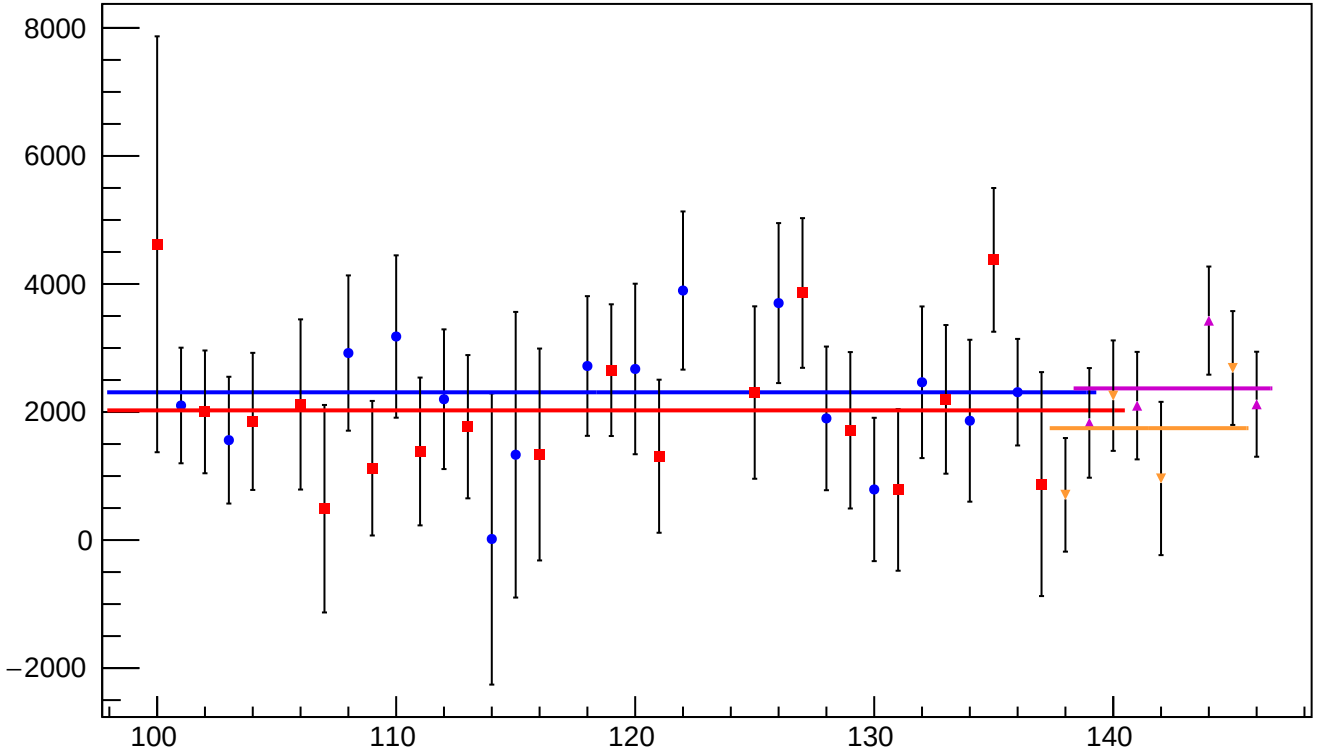
reg_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1747.801+/-467.451 χ^2/NDF:3.3/3

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

Left In: 2369.112+/-419.961 χ^2/NDF:2.2/3

Left: 2091.611+/-312.402 χ^2/NDF: 6.4/7

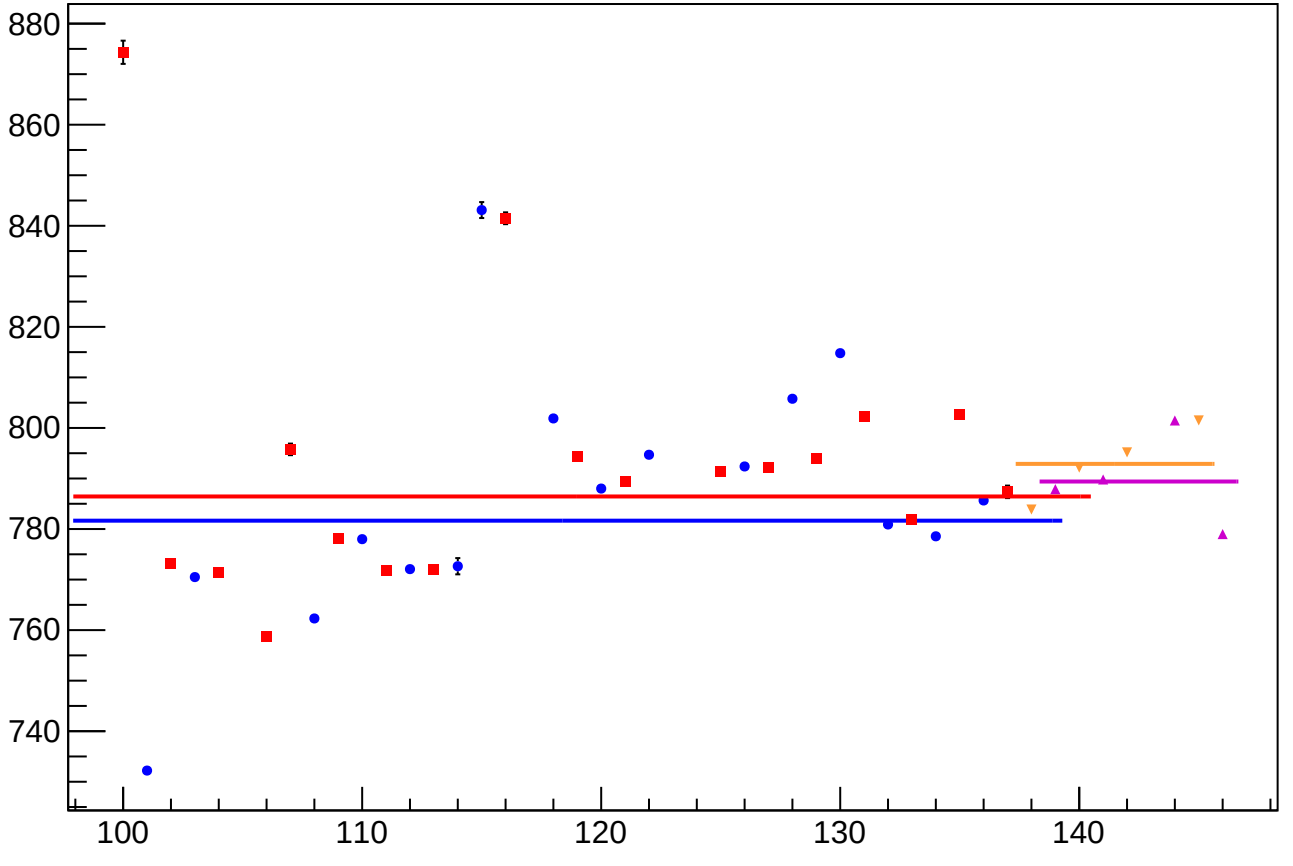
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2327.876+/-238.873 χ^2/NDF:10.0/19

Out: 1948.493+/-246.305 χ^2/NDF:15.5/21

All: 2143.994+/-171.476 χ^2/NDF: 26.7/41

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 792.890+/-0.331 χ^2/NDF:403.0/3

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

Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

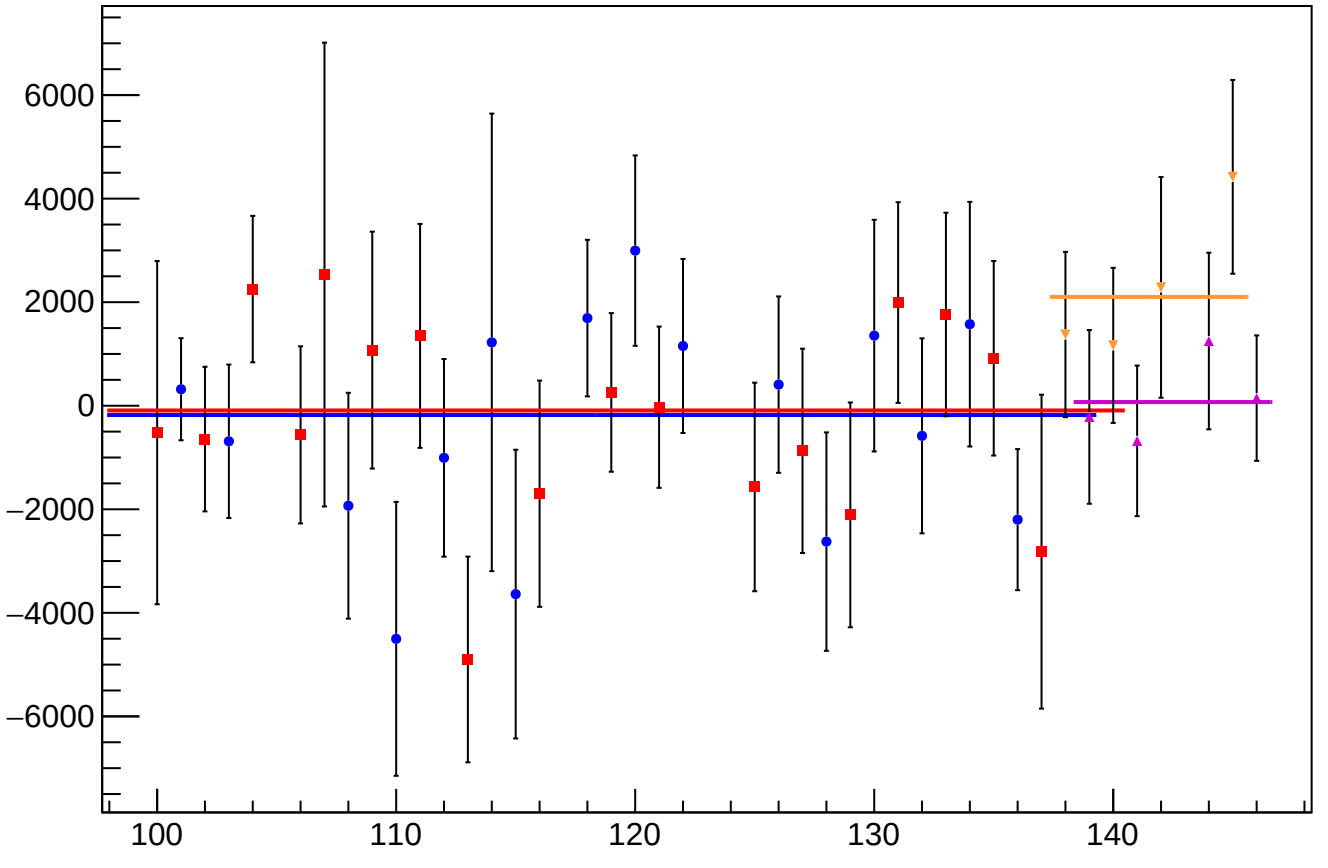
Left: 790.959+/-0.221 χ^2/NDF: 1201.9/7

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

In: 784.160+/-0.169 χ^2/NDF:13516.6/19

Out: 788.233+/-0.174 χ^2/NDF:7879.4/21

All: 786.134+/-0.121 χ^2/NDF: 21677.8/41



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

Left Out: 2102.274+/-862.568 χ^2/NDF:2.1/3

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

Left In: 71.035+/-734.604 χ^2/NDF:0.8/3

Left: 924.952+/-559.269 χ^2/NDF: 6.1/7

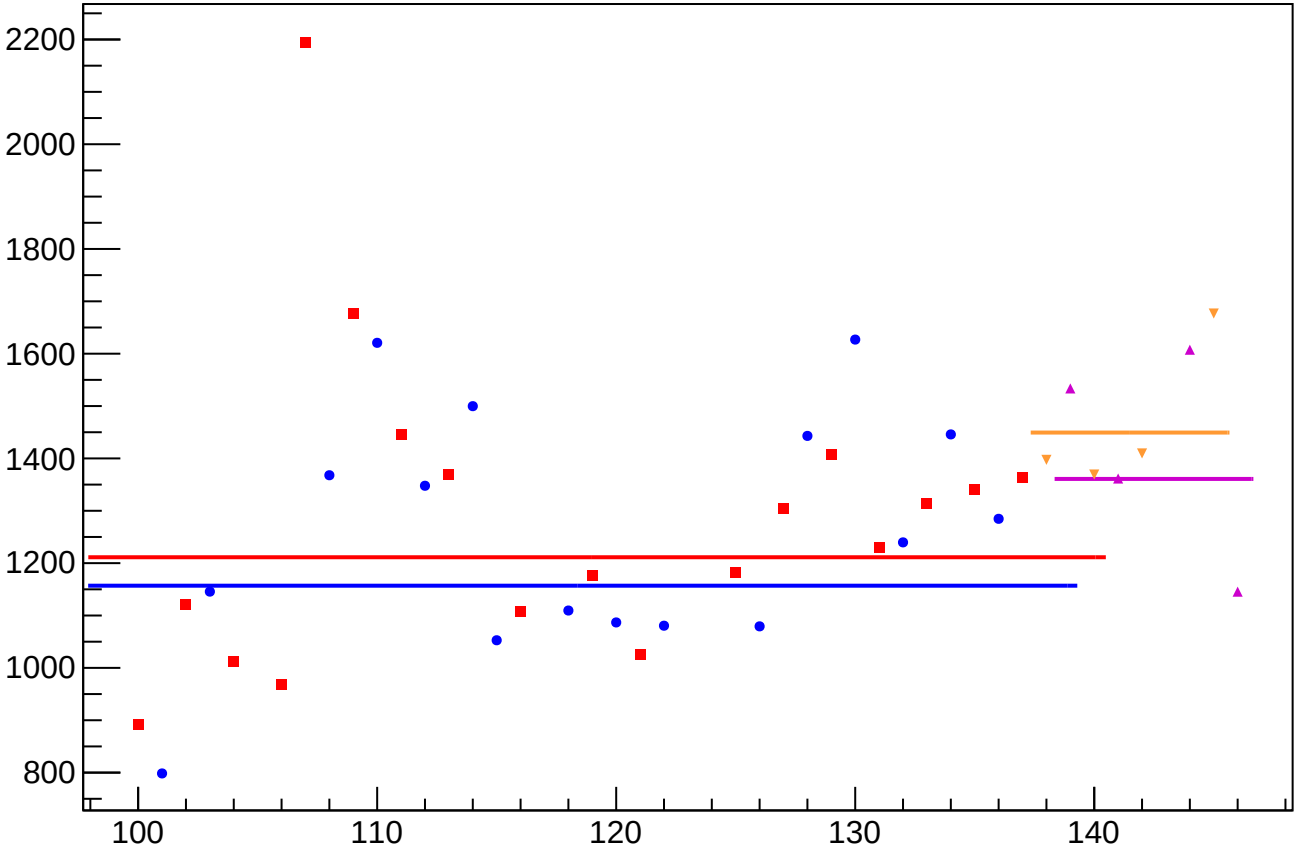
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -113.495+/-377.956 χ^2/NDF:16.3/19

Out: 385.897+/-402.311 χ^2/NDF:22.4/21

All: 120.628+/-275.463 χ^2/NDF: 39.5/41

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1449.385+/-0.610 χ^2/NDF:38082.8/3

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

Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

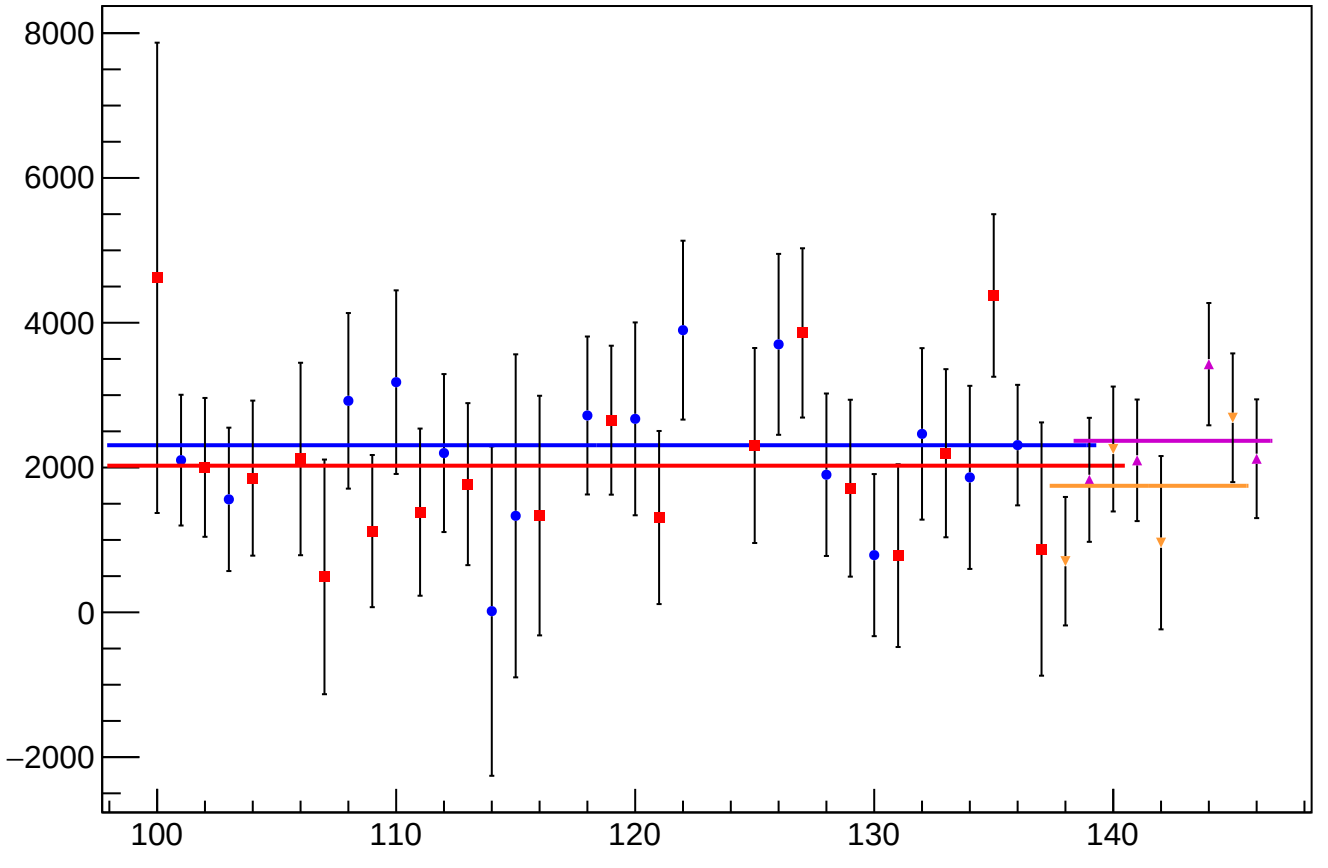
Left: 1398.058+/-0.395 χ^2/NDF: 176514.6/7

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

In: 1210.919+/-0.267 χ^2/NDF:808609.4/19

Out: 1263.065+/-0.284 χ^2/NDF:555059.6/21

All: 1235.365+/-0.195 χ^2/NDF: 1381517.1/41



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

Left Out: 1747.801+/-467.451 χ^2/NDF:3.3/3

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

Left In: 2369.112+/-419.961 χ^2/NDF:2.2/3

Left: 2091.611+/-312.402 χ^2/NDF: 6.4/7

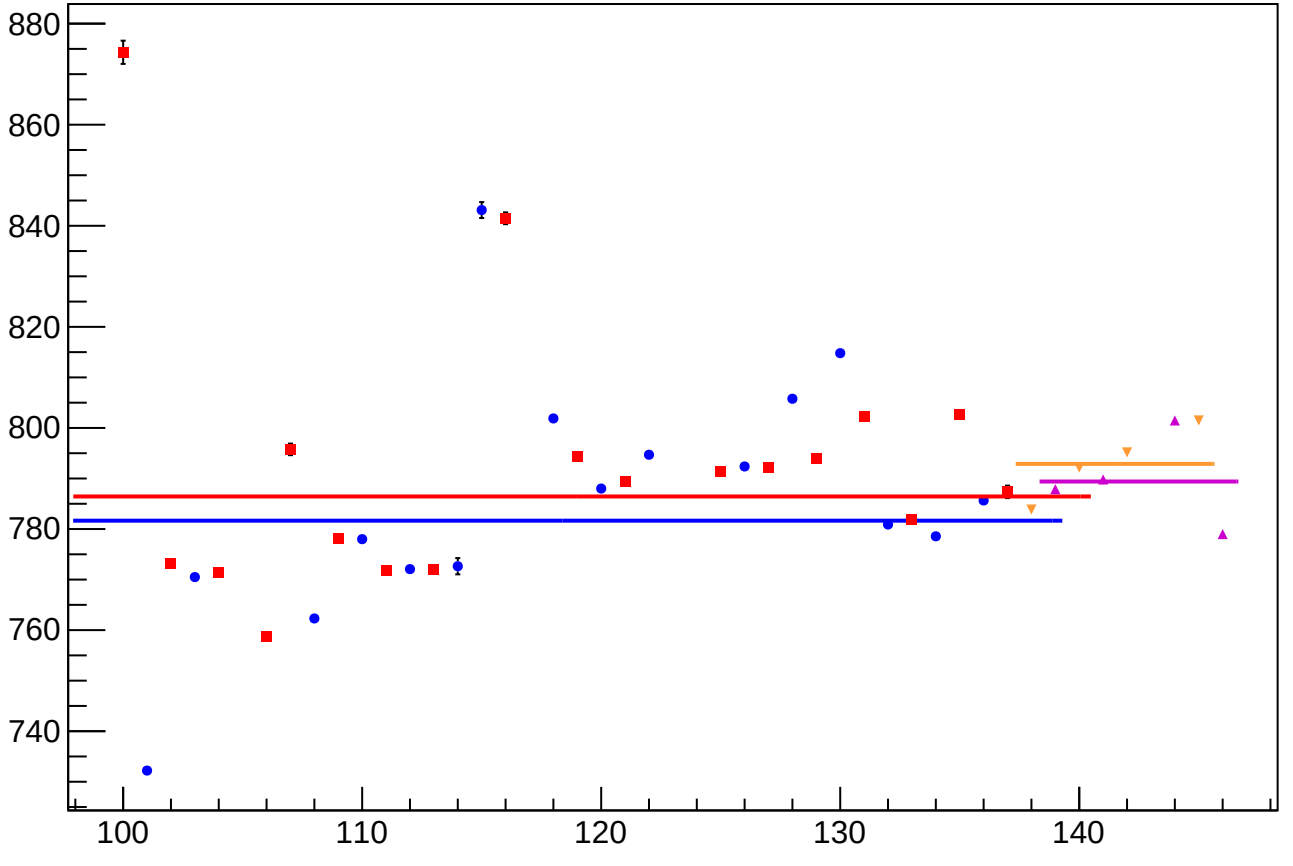
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2327.876+/-238.873 χ^2/NDF:10.0/19

Out: 1948.493+/-246.305 χ^2/NDF:15.5/21

All: 2143.994+/-171.476 χ^2/NDF: 26.7/41

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 792.890+/-0.331 χ^2/NDF:403.0/3

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

Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

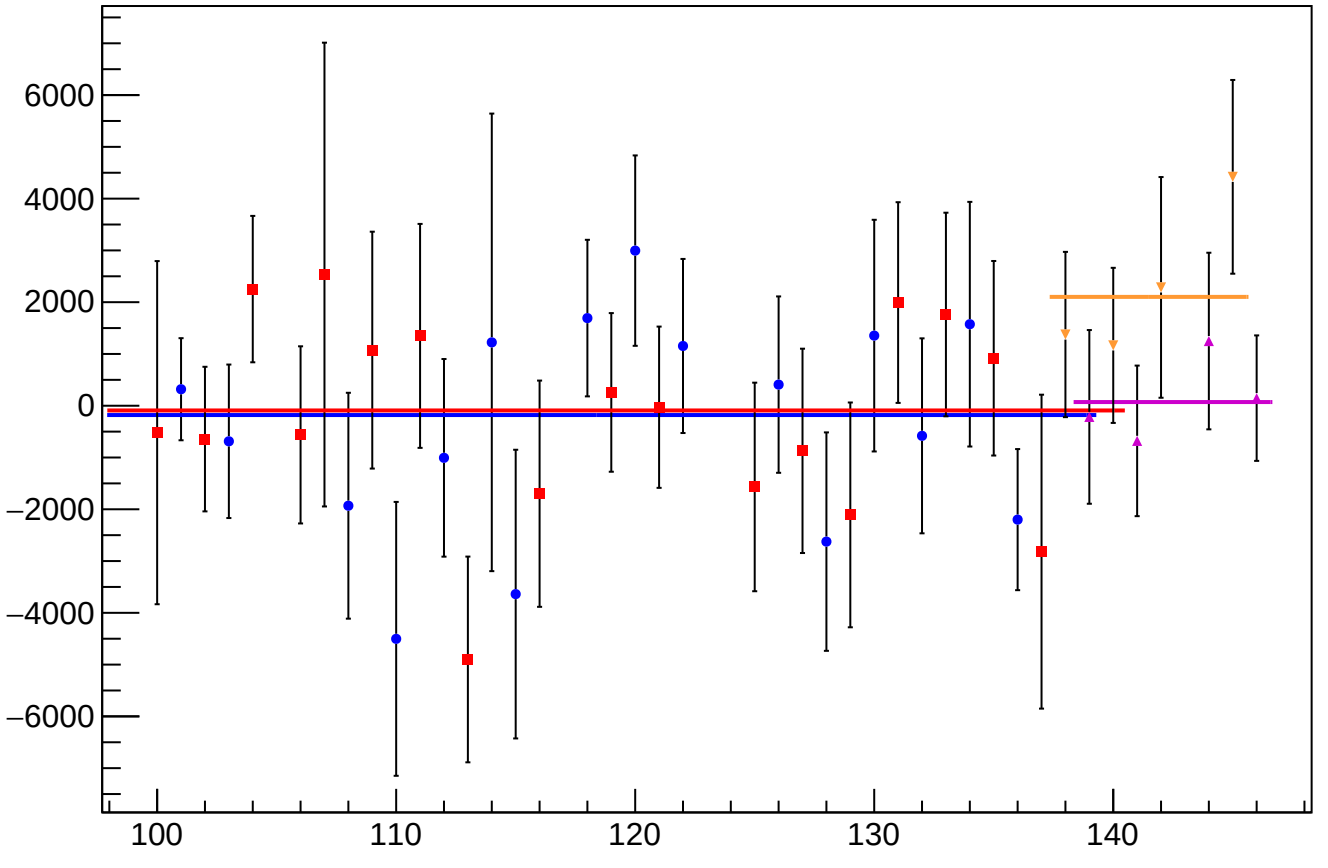
Left: 790.959+/-0.221 χ^2/NDF: 1201.9/7

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

In: 784.160+/-0.169 χ^2/NDF:13516.6/19

Out: 788.233+/-0.174 χ^2/NDF:7879.4/21

All: 786.134+/-0.121 χ^2/NDF: 21677.8/41



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

Left Out: 2102.274+/-862.568 χ^2/NDF:2.1/3

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

Left In: 71.035+/-734.604 χ^2/NDF:0.8/3

Left: 924.952+/-559.269 χ^2/NDF: 6.1/7

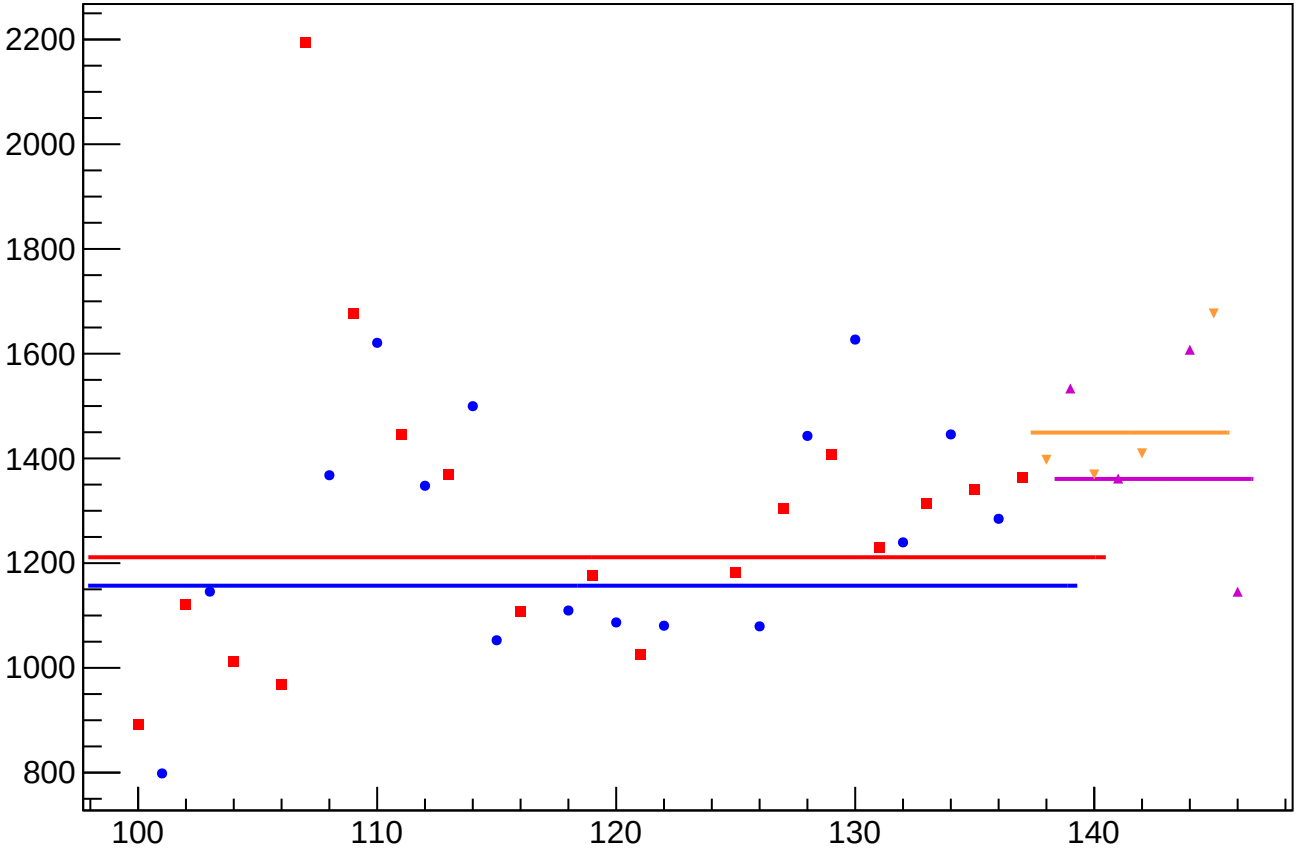
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -113.495+/-377.956 χ^2/NDF:16.3/19

Out: 385.897+/-402.311 χ^2/NDF:22.4/21

All: 120.628+/-275.463 χ^2/NDF: 39.5/41

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1449.385+/-0.610 χ^2/NDF:38082.8/3

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

Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

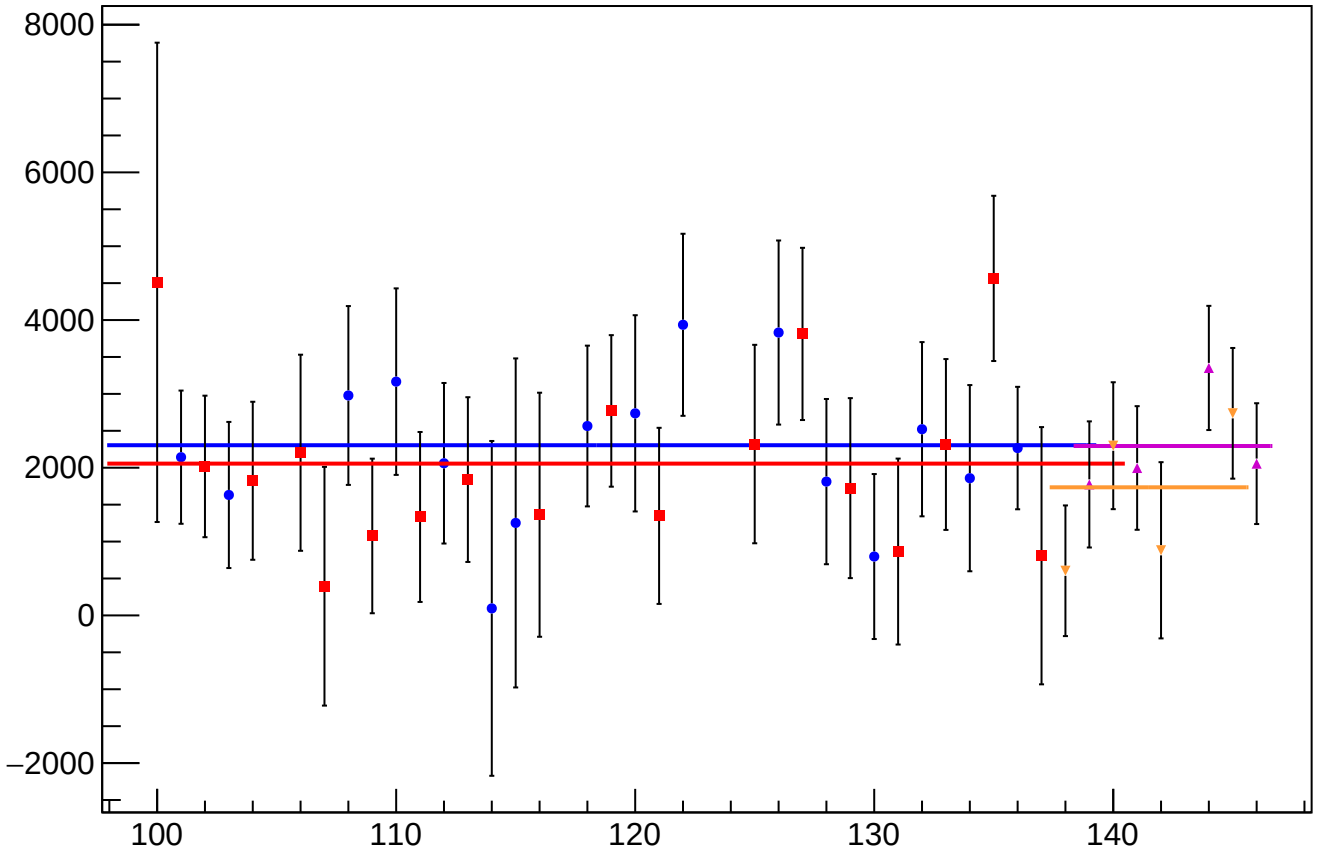
Left: 1398.058+/-0.395 χ^2/NDF: 176514.6/7

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

In: 1210.919+/-0.267 χ^2/NDF:808609.4/19

Out: 1263.065+/-0.284 χ^2/NDF:555059.6/21

All: 1235.365+/-0.195 χ^2/NDF: 1381517.1/41



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

Left Out: 1734.843+/-465.715 χ^2/NDF:3.9/3

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

Left In: 2294.202+/-418.626 χ^2/NDF:2.2/3

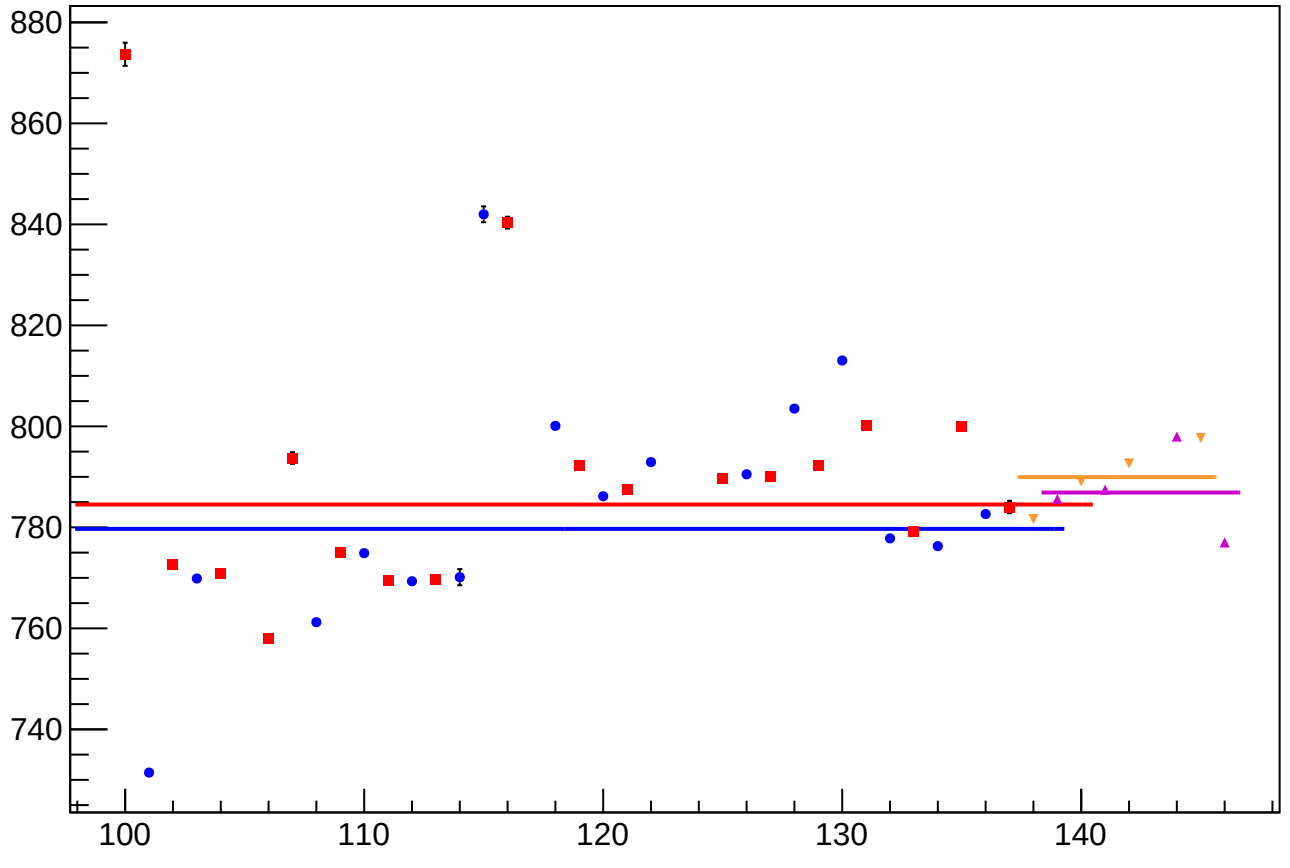
Left: 2044.223+/-311.334 χ^2/NDF: 6.8/7

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

In: 2301.403+/-238.222 χ^2/NDF:10.2/19

Out: 1966.431+/-245.616 χ^2/NDF:17.1/21

All: 2139.035+/-171.003 χ^2/NDF: 28.3/41



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

Left Out: 789.954+/-0.329 χ^2/NDF:342.7/3

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

Left In: 786.900+/-0.296 χ^2/NDF:644.6/3

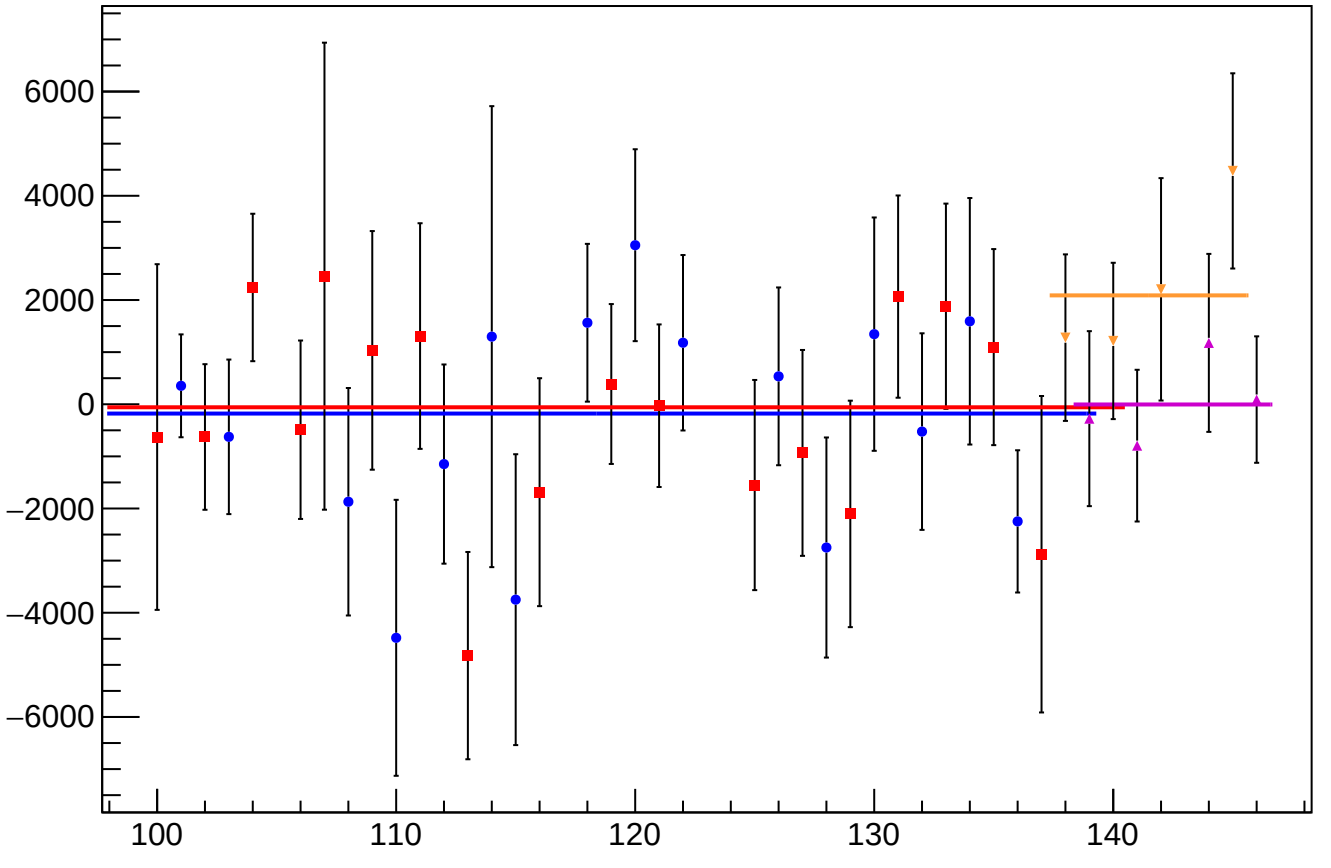
Left: 788.265+/-0.220 χ^2/NDF: 1034.9/7

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

In: 782.033+/-0.168 χ^2/NDF:13104.6/19

Out: 786.035+/-0.174 χ^2/NDF:7699.0/21

All: 783.973+/-0.121 χ^2/NDF: 21077.2/41



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

Left Out: 2088.982+/-863.488 χ^2/NDF:2.2/3

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

Left In: -4.239+/-735.349 χ^2/NDF:0.8/3

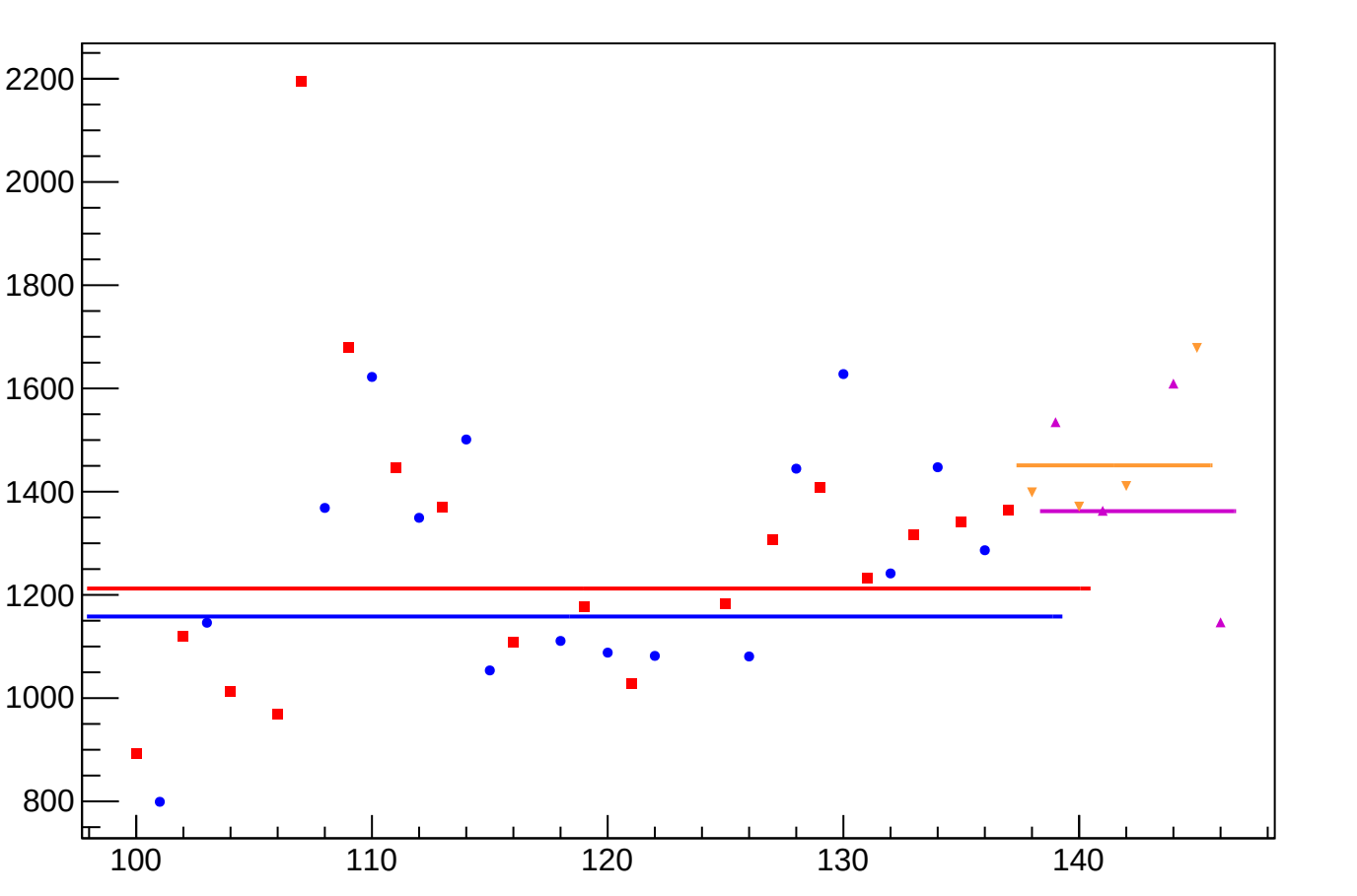
Left: 875.680+/-559.848 χ^2/NDF: 6.4/7

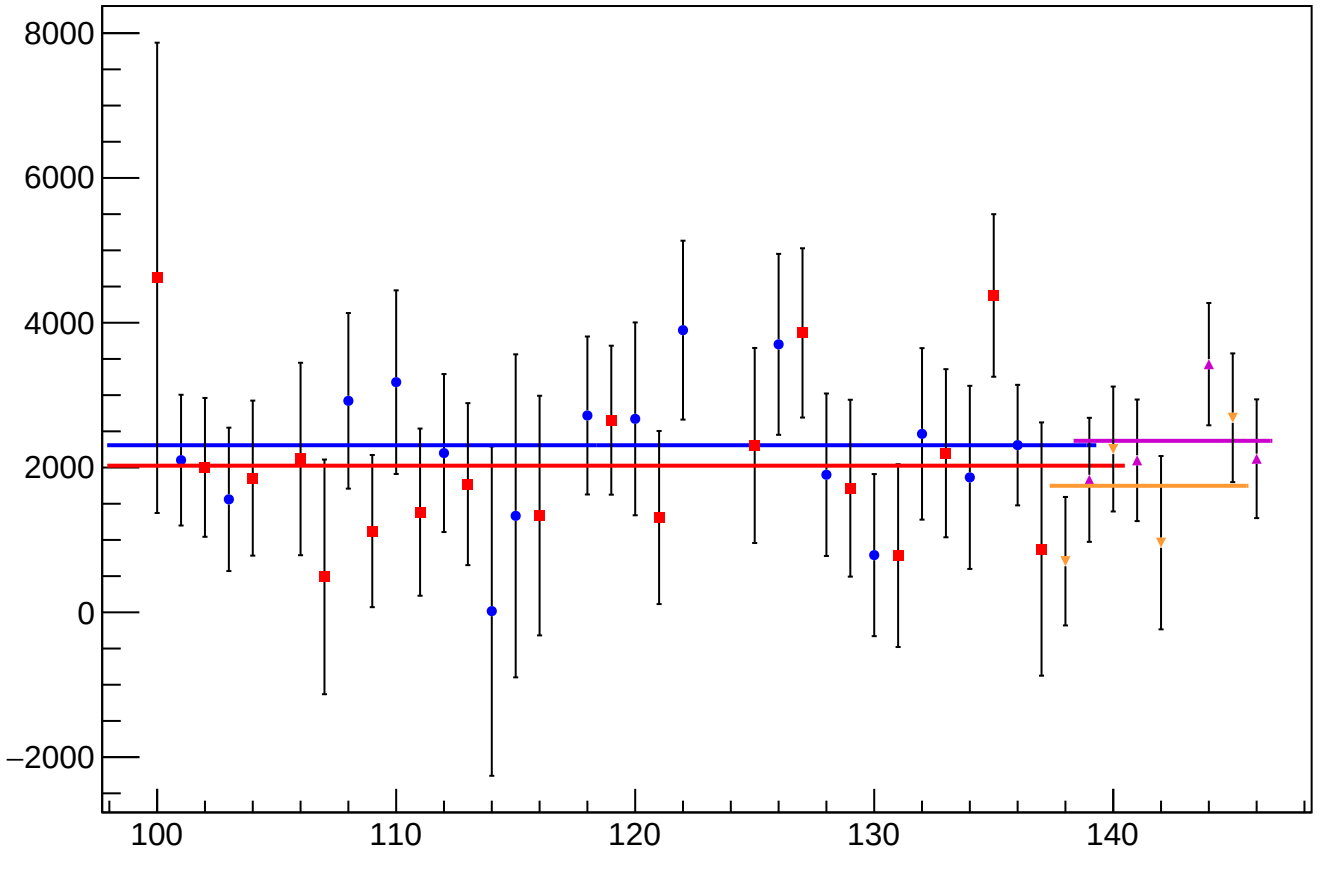
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -132.339+/-378.339 χ^2/NDF:16.5/19

Out: 408.893+/-402.685 χ^2/NDF:22.3/21

All: 121.422+/-275.732 χ^2/NDF: 39.8/41


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
Right In: 1158.134+/-0.312 χ²/NDF: 569144.8/15
Left Out: 1450.951+/-0.611 χ²/NDF:38040.0/3
Right Out: 1212.347+/-0.322 χ²/NDF: 397938.1/17
Left In: 1362.239+/-0.520 χ²/NDF:126044.5/3
Left: 1399.531+/-0.396 χ²/NDF: 176320.4/7
Right: 1184.394+/-0.224 χ²/NDF: 981708.9/33
In: 1212.163+/-0.268 χ²/NDF:808484.3/19
Out: 1264.238+/-0.285 χ²/NDF:555478.8/21
All: 1236.579+/-0.195 χ²/NDF: 1381728.3/41



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

Left Out: 1747.801+/-467.451 χ^2/NDF:3.3/3

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

Left In: 2369.112+/-419.961 χ^2/NDF:2.2/3

Left: 2091.611+/-312.402 χ^2/NDF: 6.4/7

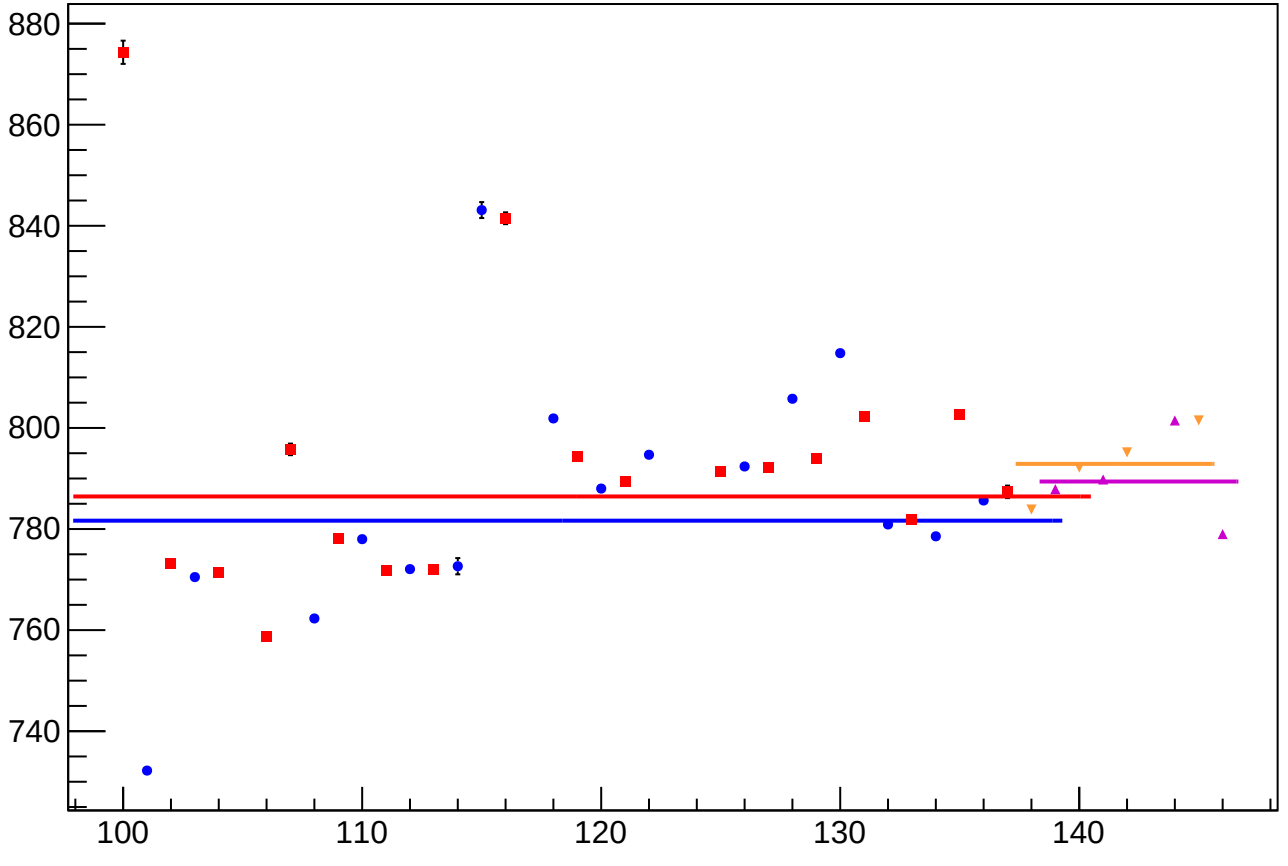
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2327.876+/-238.873 χ^2/NDF:10.0/19

Out: 1948.493+/-246.305 χ^2/NDF:15.5/21

All: 2143.994+/-171.476 χ^2/NDF: 26.7/41

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 792.890+/-0.331 χ^2/NDF:403.0/3

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

Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

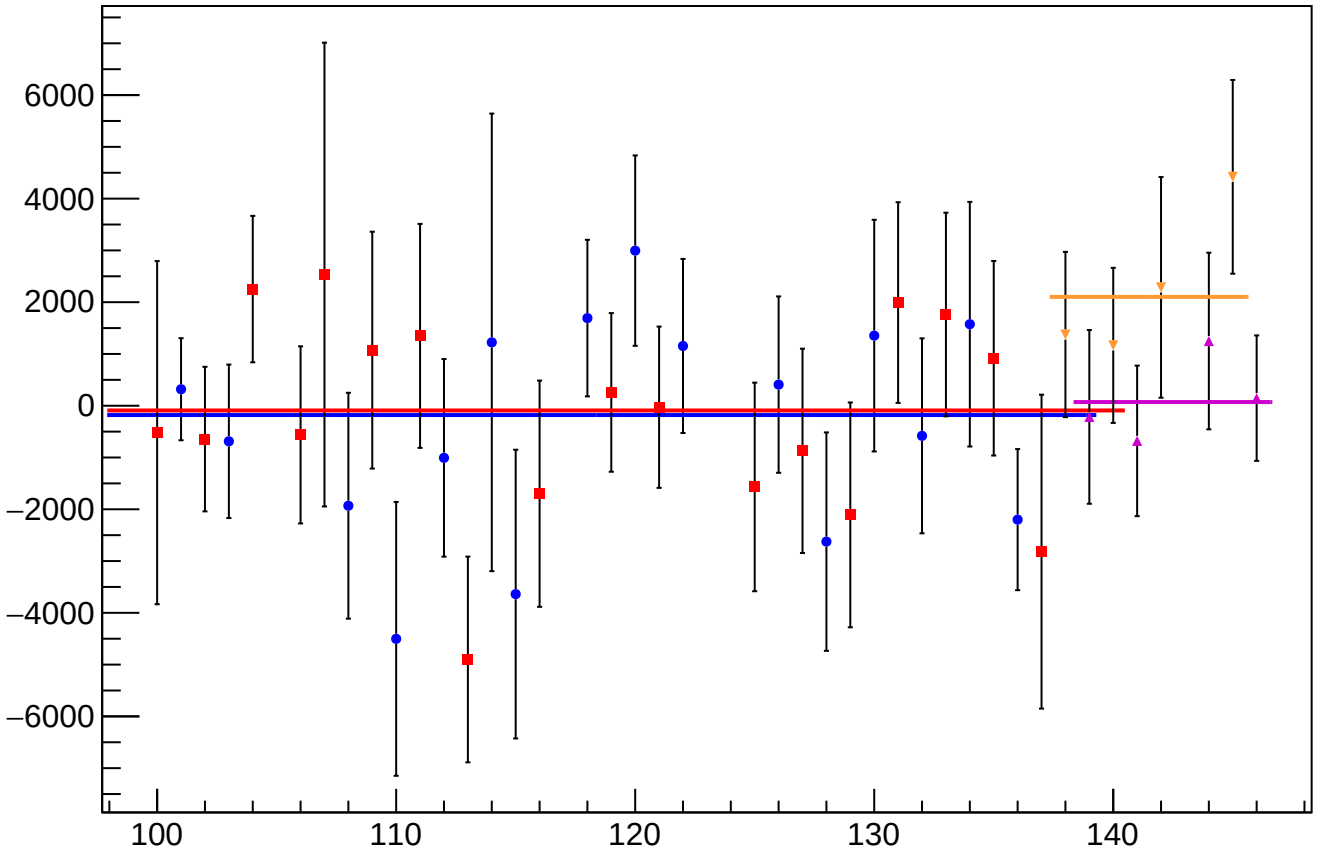
Left: 790.959+/-0.221 χ^2/NDF: 1201.9/7

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

In: 784.160+/-0.169 χ^2/NDF:13516.6/19

Out: 788.233+/-0.174 χ^2/NDF:7879.4/21

All: 786.134+/-0.121 χ^2/NDF: 21677.8/41



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

Left Out: 2102.274+/-862.568 χ^2/NDF:2.1/3

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

Left In: 71.035+/-734.604 χ^2/NDF:0.8/3

Left: 924.952+/-559.269 χ^2/NDF: 6.1/7

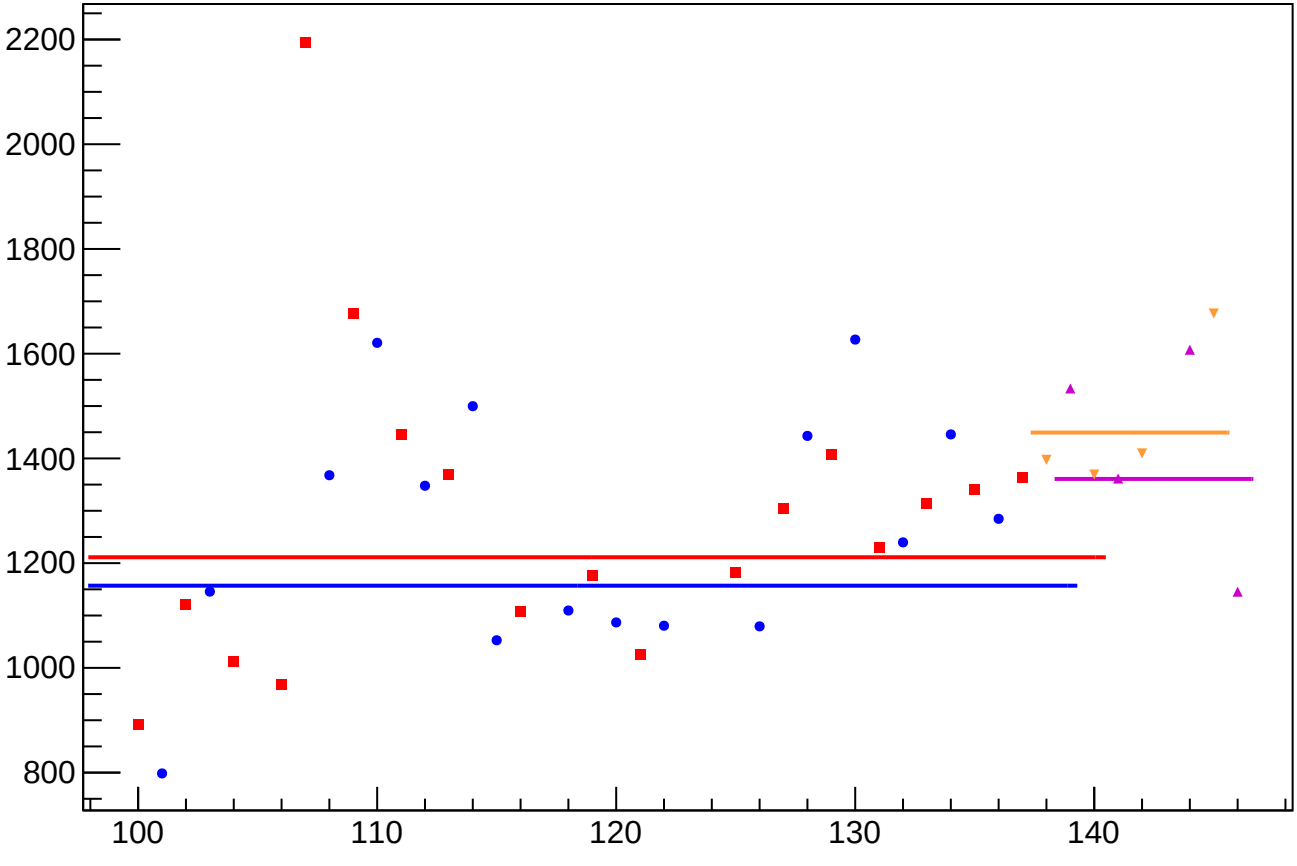
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -113.495+/-377.956 χ^2/NDF:16.3/19

Out: 385.897+/-402.311 χ^2/NDF:22.4/21

All: 120.628+/-275.463 χ^2/NDF: 39.5/41

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1449.385+/-0.610 χ^2/NDF:38082.8/3

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

Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

Left: 1398.058+/-0.395 χ^2/NDF: 176514.6/7

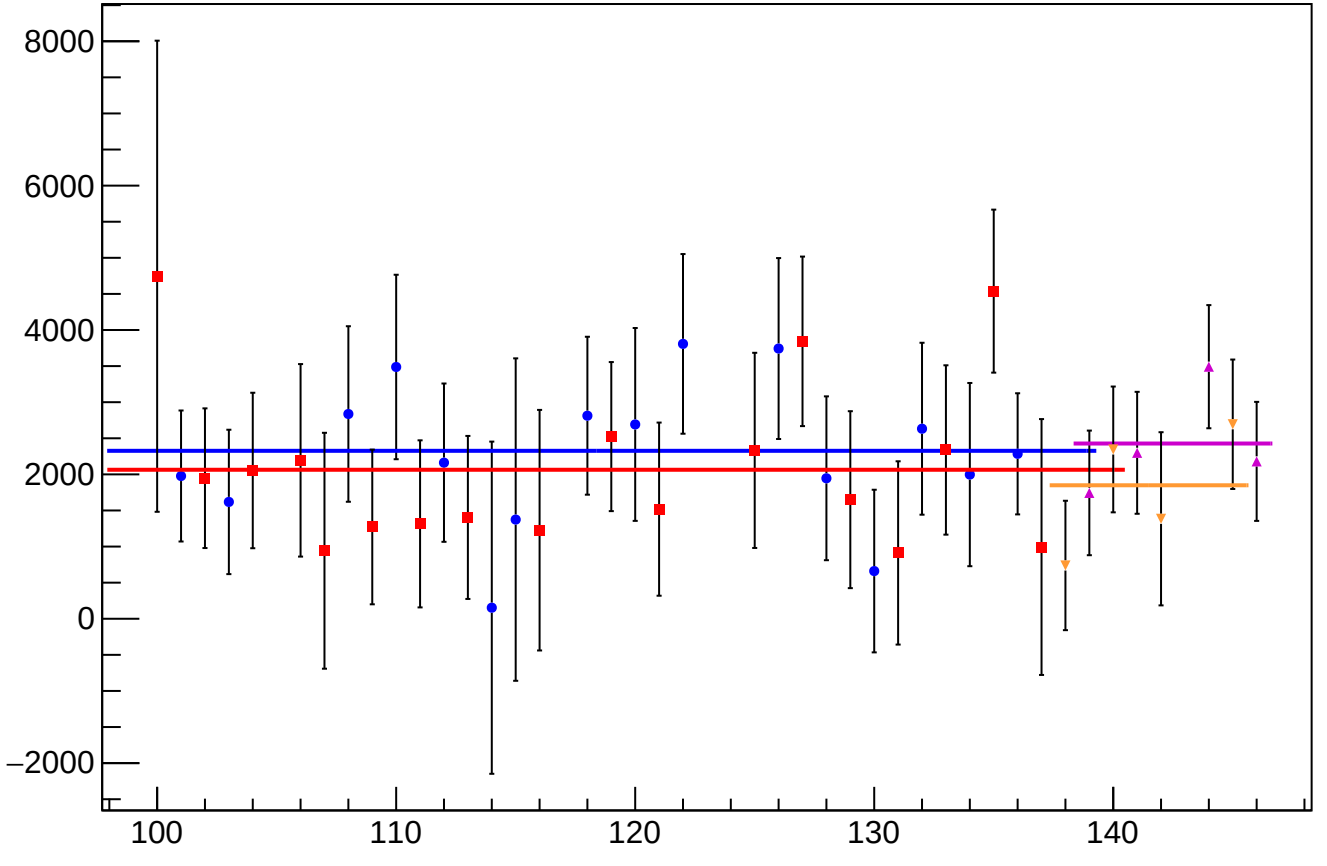
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1210.919+/-0.267 χ^2/NDF:808609.4/19

Out: 1263.065+/-0.284 χ^2/NDF:555059.6/21

All: 1235.365+/-0.195 χ^2/NDF: 1381517.1/41

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1849.051+/-471.340 χ^2/NDF:2.9/3

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

Left In: 2427.523+/-422.952 χ^2/NDF:2.3/3

Left: 2169.495+/-314.794 χ^2/NDF: 6.0/7

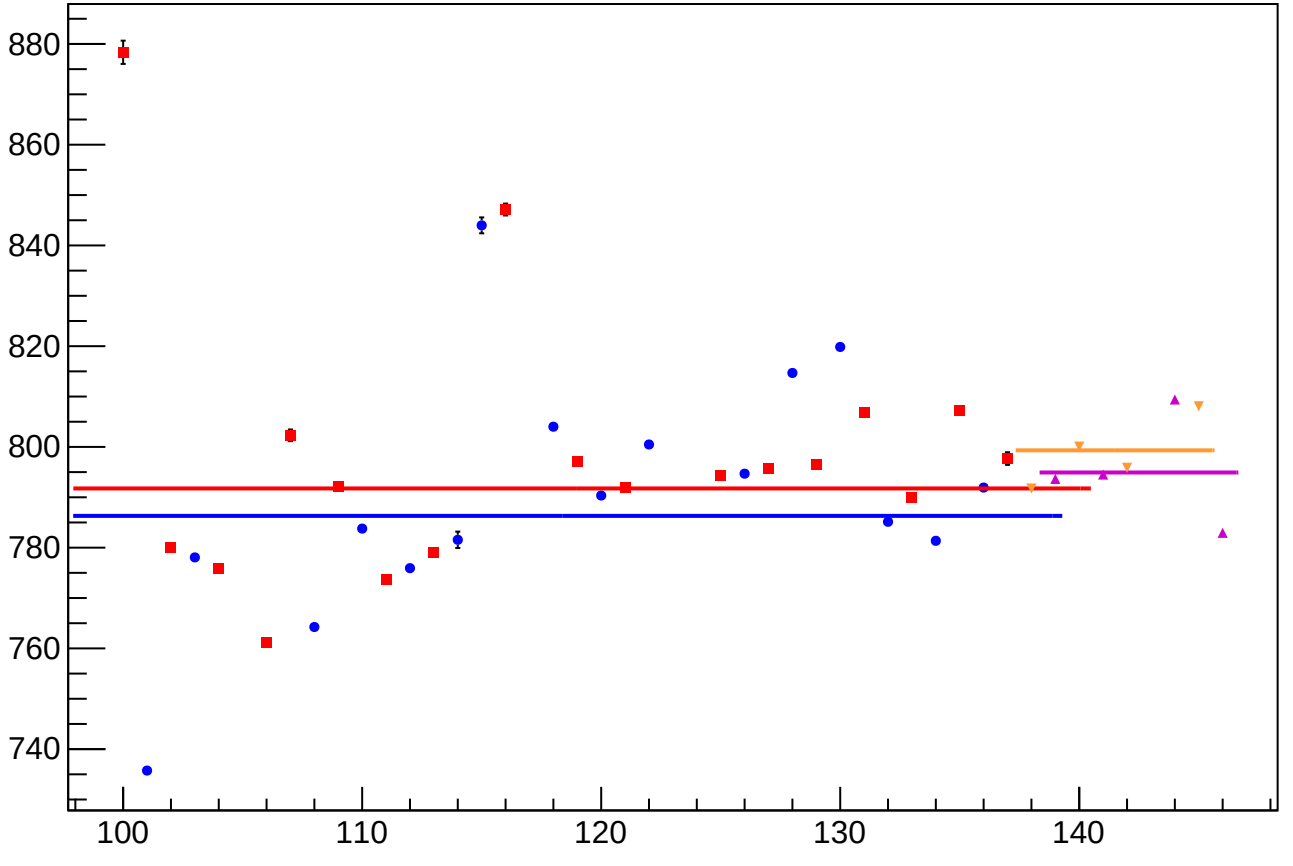
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2359.088+/-240.394 χ^2/NDF:10.5/19

Out: 2004.429+/-248.097 χ^2/NDF:14.7/21

All: 2187.350+/-172.643 χ^2/NDF: 26.2/41

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 799.322+/-0.333 χ^2/NDF:351.4/3

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

Left In: 794.925+/-0.299 χ^2/NDF:1004.5/3

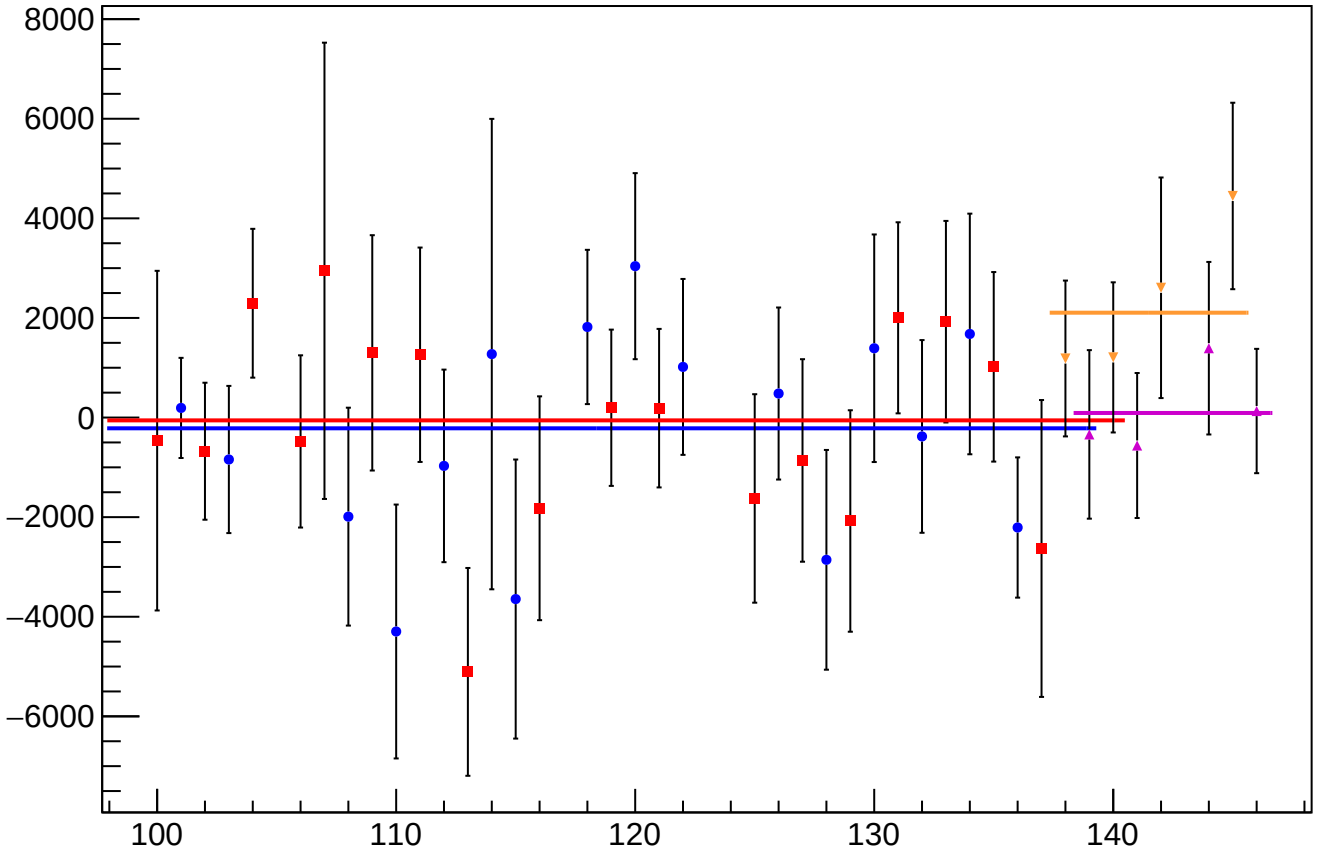
Left: 796.886+/-0.223 χ^2/NDF: 1452.2/7

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

In: 789.093+/-0.170 χ^2/NDF:14137.4/19

Out: 793.852+/-0.175 χ^2/NDF:7739.0/21

All: 791.398+/-0.122 χ^2/NDF: 22256.0/41



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

Left Out: 2105.449+/-864.579 χ^2/NDF:2.3/3

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

Left In: 91.794+/-746.201 χ^2/NDF:0.8/3

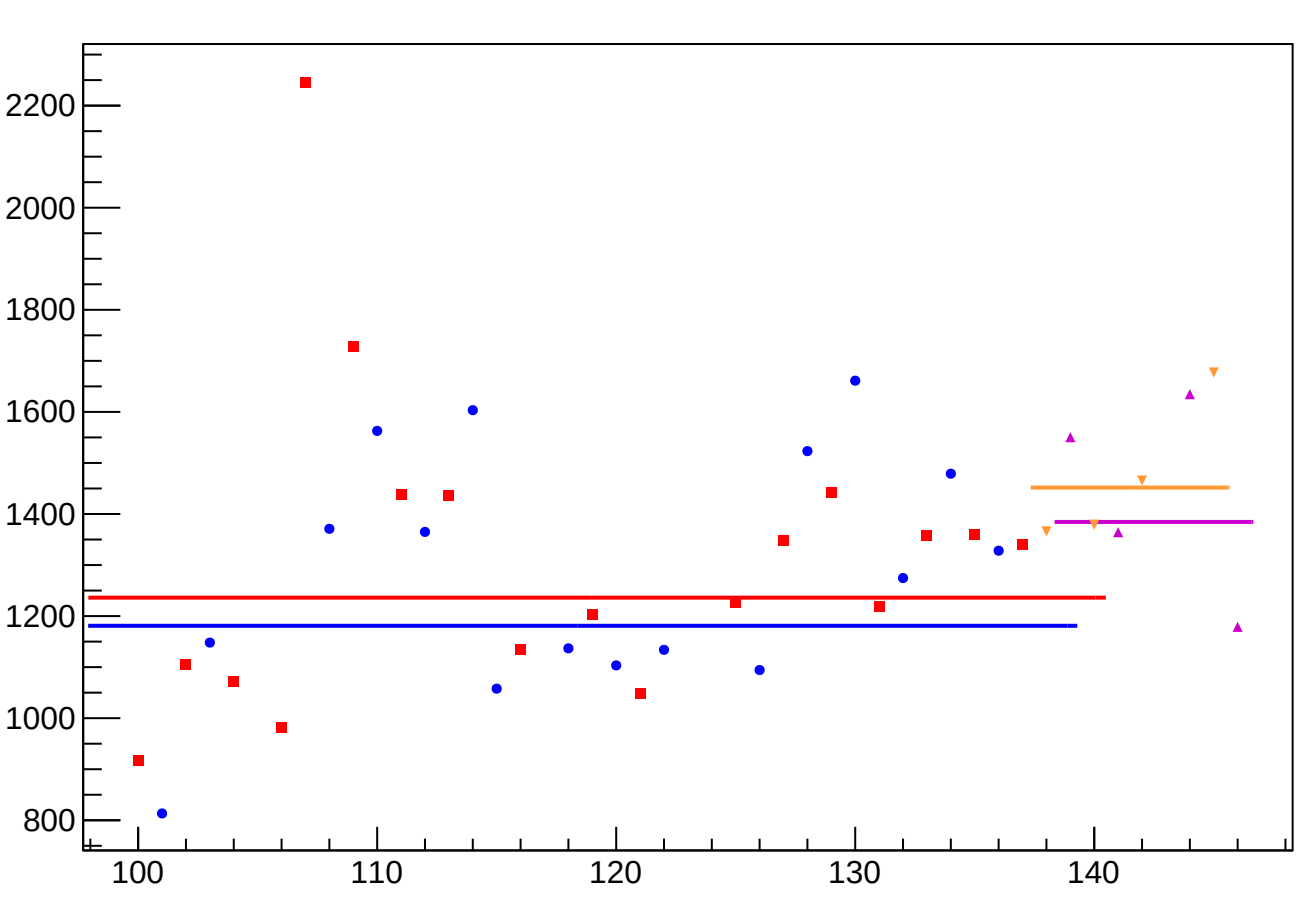
Left: 951.431+/-564.898 χ^2/NDF: 6.3/7

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

In: -134.174+/-385.061 χ^2/NDF:16.2/19

Out: 426.691+/-408.828 χ^2/NDF:22.3/21

All: 129.482+/-280.305 χ^2/NDF: 39.5/41



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

Left Out: 1451.825+/-0.611 χ^2/NDF:39775.1/3

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

Left In: 1384.457+/-0.528 χ^2/NDF:115577.0/3

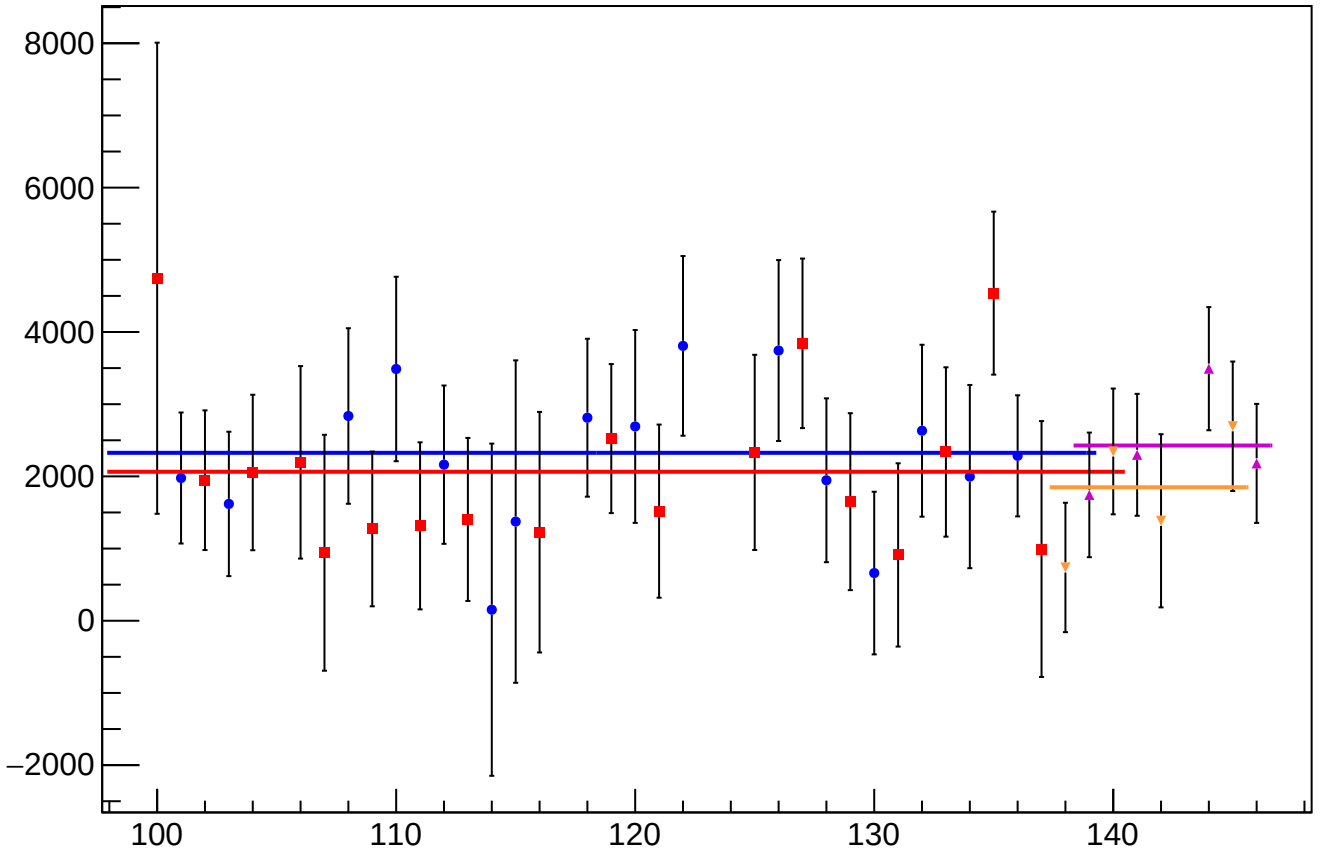
Left: 1413.217+/-0.399 χ^2/NDF: 162311.2/7

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

In: 1235.176+/-0.272 χ^2/NDF:795778.5/19

Out: 1284.363+/-0.289 χ^2/NDF:533659.9/21

All: 1258.298+/-0.198 χ^2/NDF: 1344779.2/41



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

Left Out: 1849.057+/-471.340 χ^2/NDF:2.9/3

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

Left In: 2427.522+/-422.952 χ^2/NDF:2.3/3

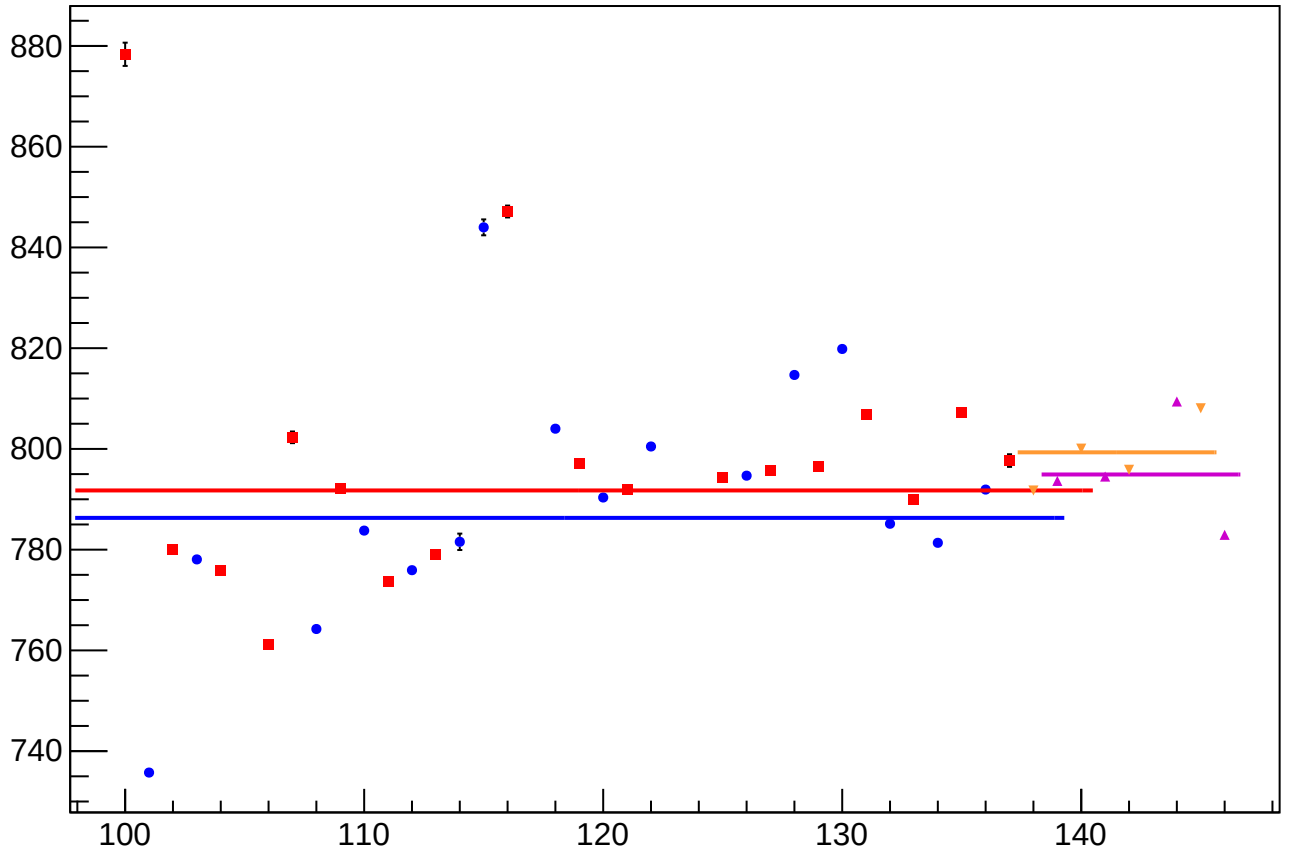
Left: 2169.497+/-314.794 χ^2/NDF: 6.0/7

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

In: 2359.087+/-240.394 χ^2/NDF:10.5/19

Out: 2004.430+/-248.097 χ^2/NDF:14.7/21

All: 2187.350+/-172.643 χ^2/NDF: 26.2/41



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

Left Out: 799.322+/-0.333 χ^2/NDF:351.4/3

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

Left In: 794.925+/-0.299 χ^2/NDF:1004.5/3

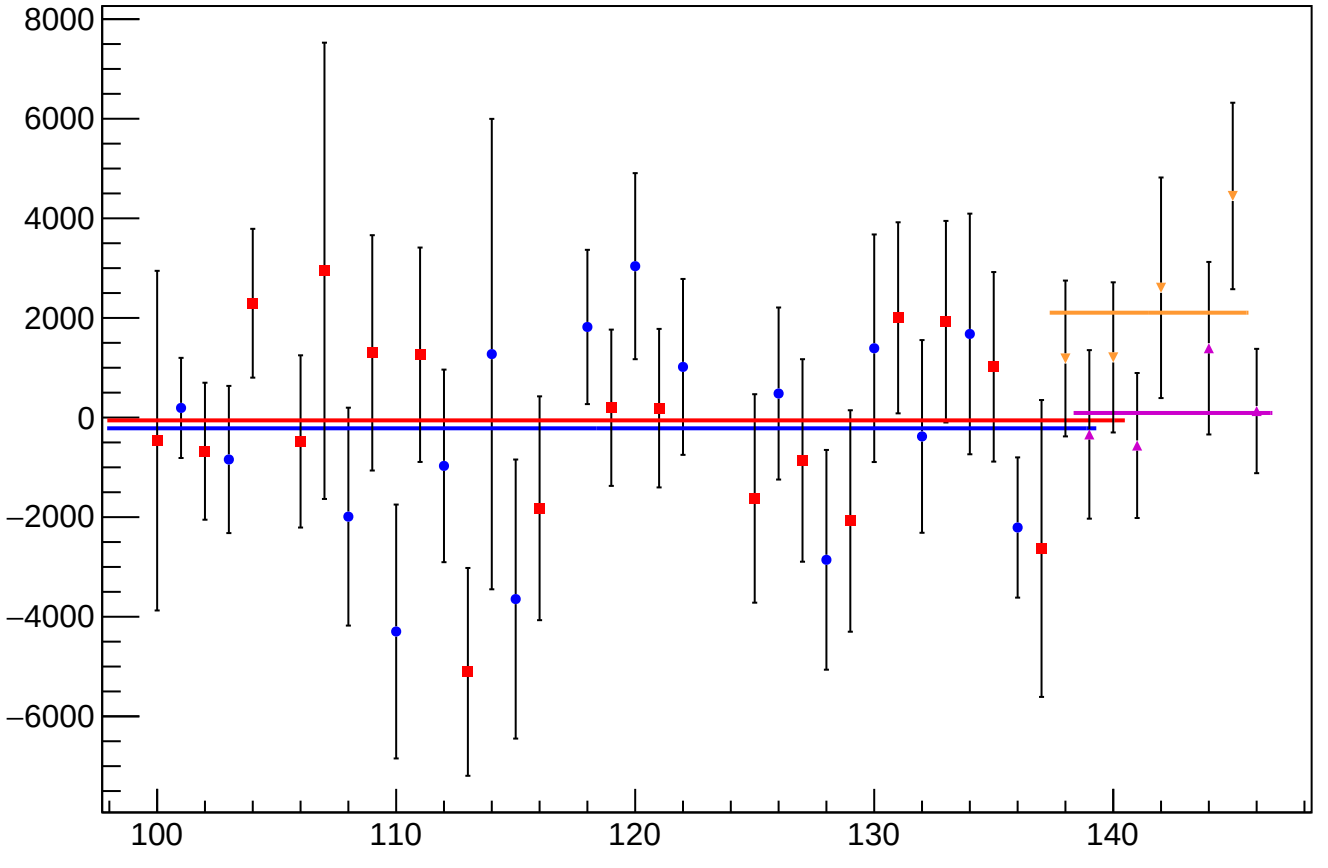
Left: 796.886+/-0.223 χ^2/NDF: 1452.2/7

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

In: 789.093+/-0.170 χ^2/NDF:14137.3/19

Out: 793.852+/-0.175 χ^2/NDF:7739.0/21

All: 791.397+/-0.122 χ^2/NDF: 22256.0/41



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

Left Out: 2105.454+/-864.581 χ^2/NDF:2.3/3

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

Left In: 91.793+/-746.203 χ^2/NDF:0.8/3

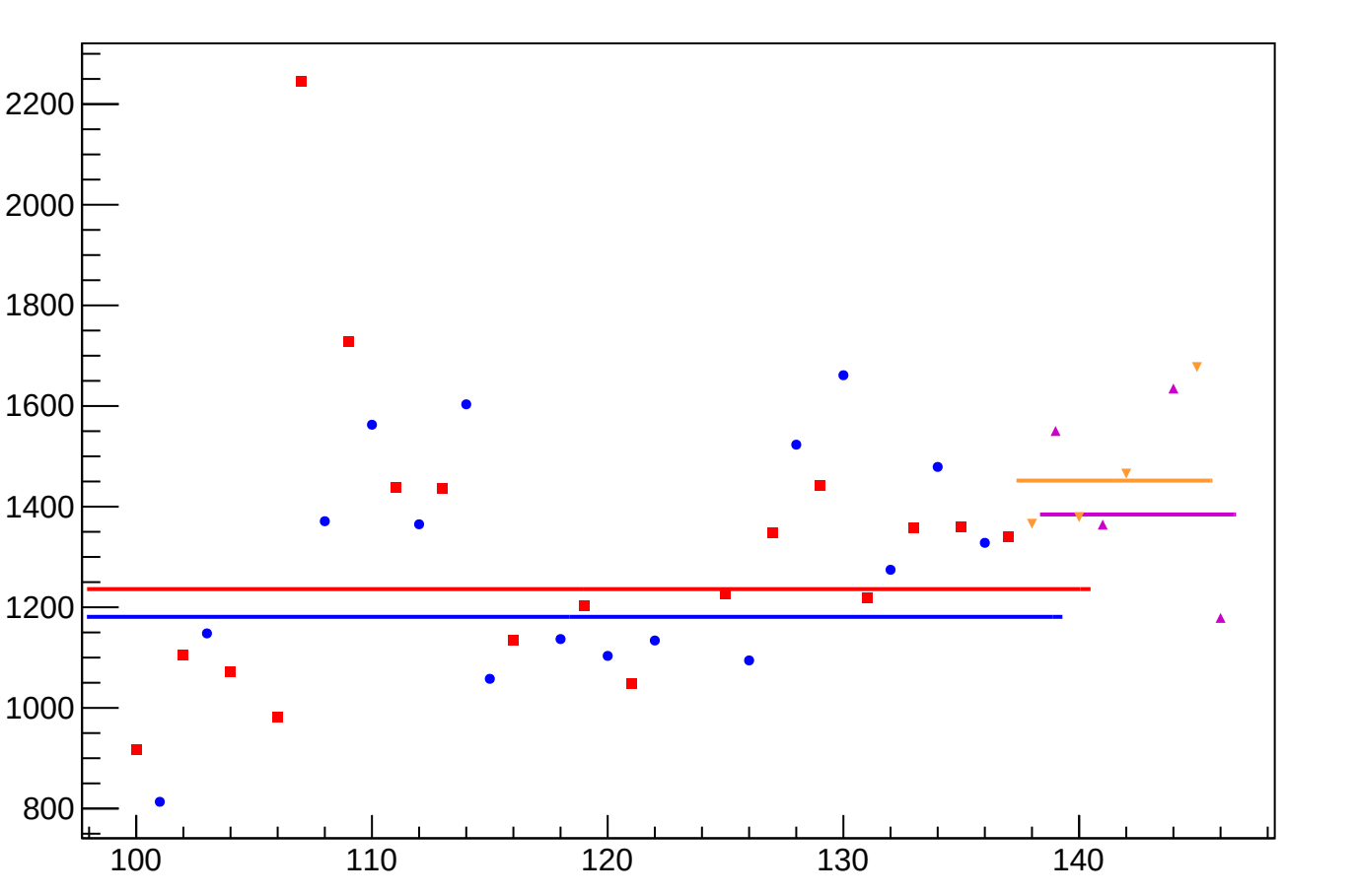
Left: 951.432+/-564.899 χ^2/NDF: 6.3/7

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

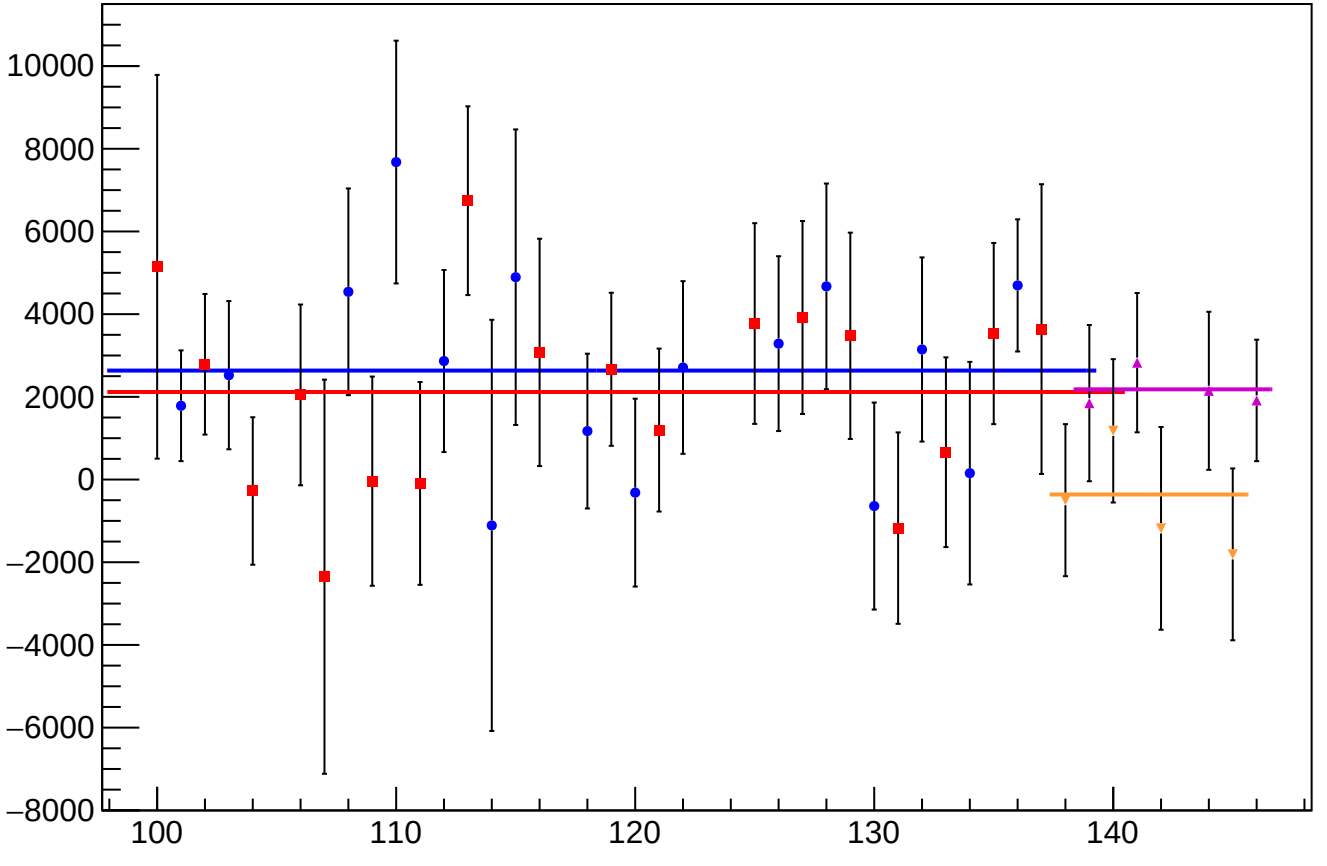
In: -134.174+/-385.060 χ^2/NDF:16.2/19

Out: 426.689+/-408.827 χ^2/NDF:22.3/21

All: 129.481+/-280.304 χ^2/NDF: 39.5/41


asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
Right In: 1180.995+/-0.318 χ²/NDF: 571105.7/15
Left Out: 1451.828+/-0.611 χ²/NDF:39775.3/3
Right Out: 1236.131+/-0.328 χ²/NDF: 397240.7/17
Left In: 1384.460+/-0.528 χ²/NDF:115577.6/3
Left: 1413.220+/-0.399 χ²/NDF: 162312.0/7
Right: 1207.692+/-0.228 χ²/NDF: 982914.1/33
In: 1235.174+/-0.272 χ²/NDF:795782.9/19
Out: 1284.360+/-0.289 χ²/NDF:533664.3/21
All: 1258.296+/-0.198 χ²/NDF: 1344787.7/41

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: -361.255+/-986.945 χ^2/NDF:1.4/3

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

Left In: 2181.628+/-854.462 χ^2/NDF:0.2/3

Left: 1092.196+/-645.996 χ^2/NDF: 5.4/7

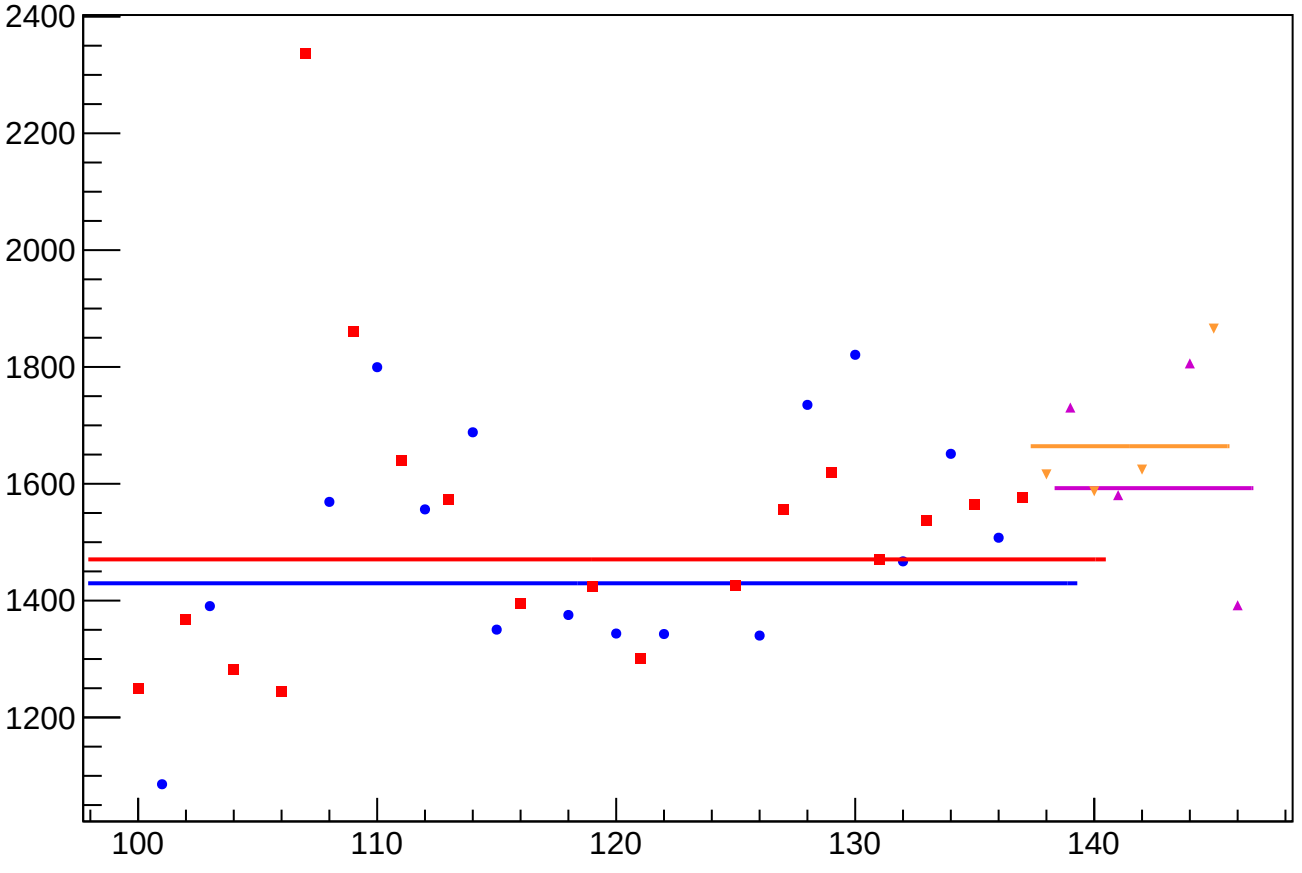
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2506.563+/-455.293 χ^2/NDF:12.7/19

Out: 1533.965+/-478.755 χ^2/NDF:19.9/21

All: 2044.679+/-329.923 χ^2/NDF: 34.8/41

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1664.315+/-0.698 χ^2/NDF:24646.6/3

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

Left In: 1592.529+/-0.604 χ^2/NDF:72993.9/3

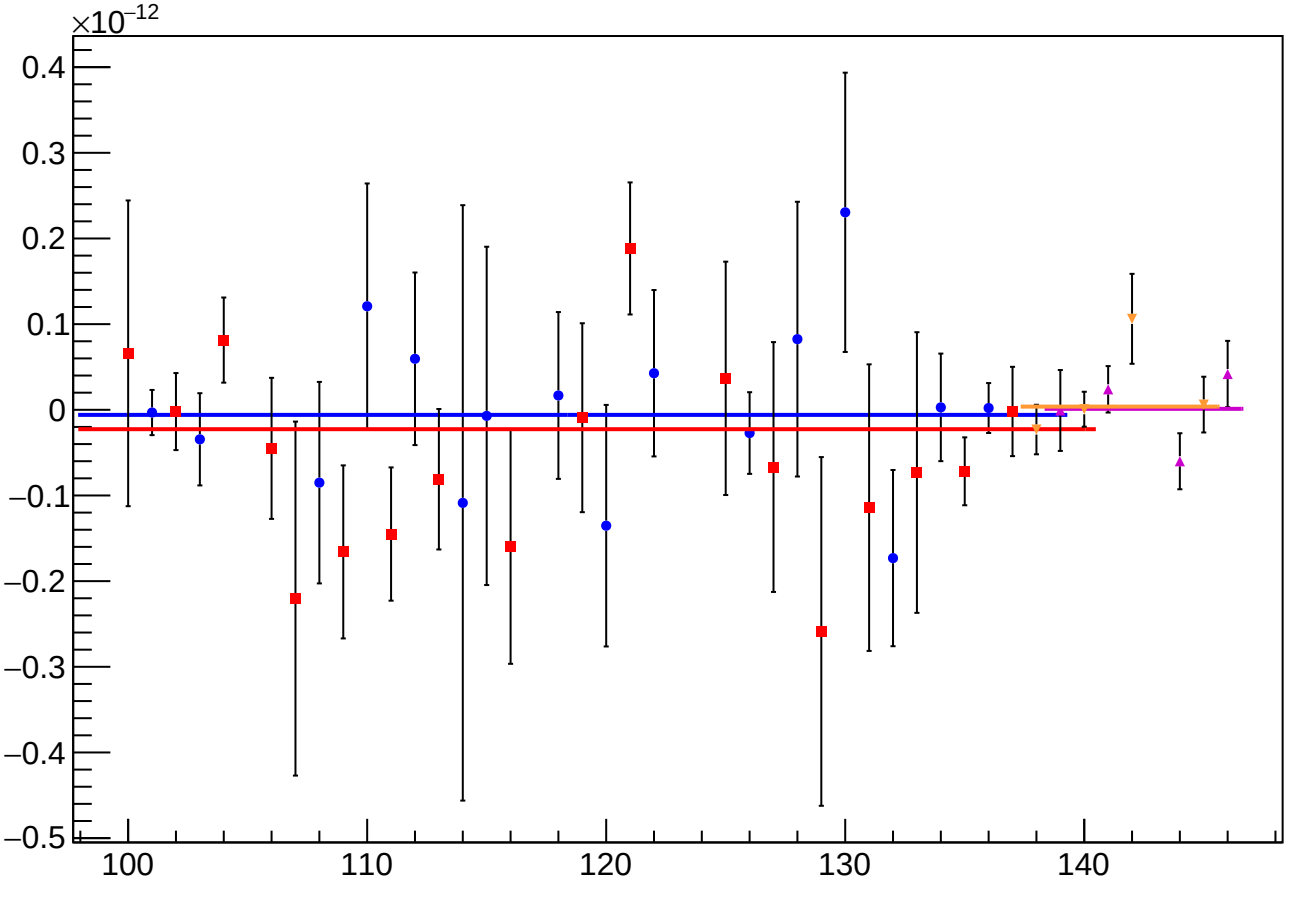
Left: 1623.284+/-0.457 χ^2/NDF: 103688.4/7

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

In: 1475.897+/-0.322 χ^2/NDF:418419.9/19

Out: 1516.157+/-0.339 χ^2/NDF:301654.7/21

All: 1495.016+/-0.233 χ^2/NDF: 727501.0/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/3

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

Left In: 0.000+/-0.000 χ^2/NDF:5.3/3

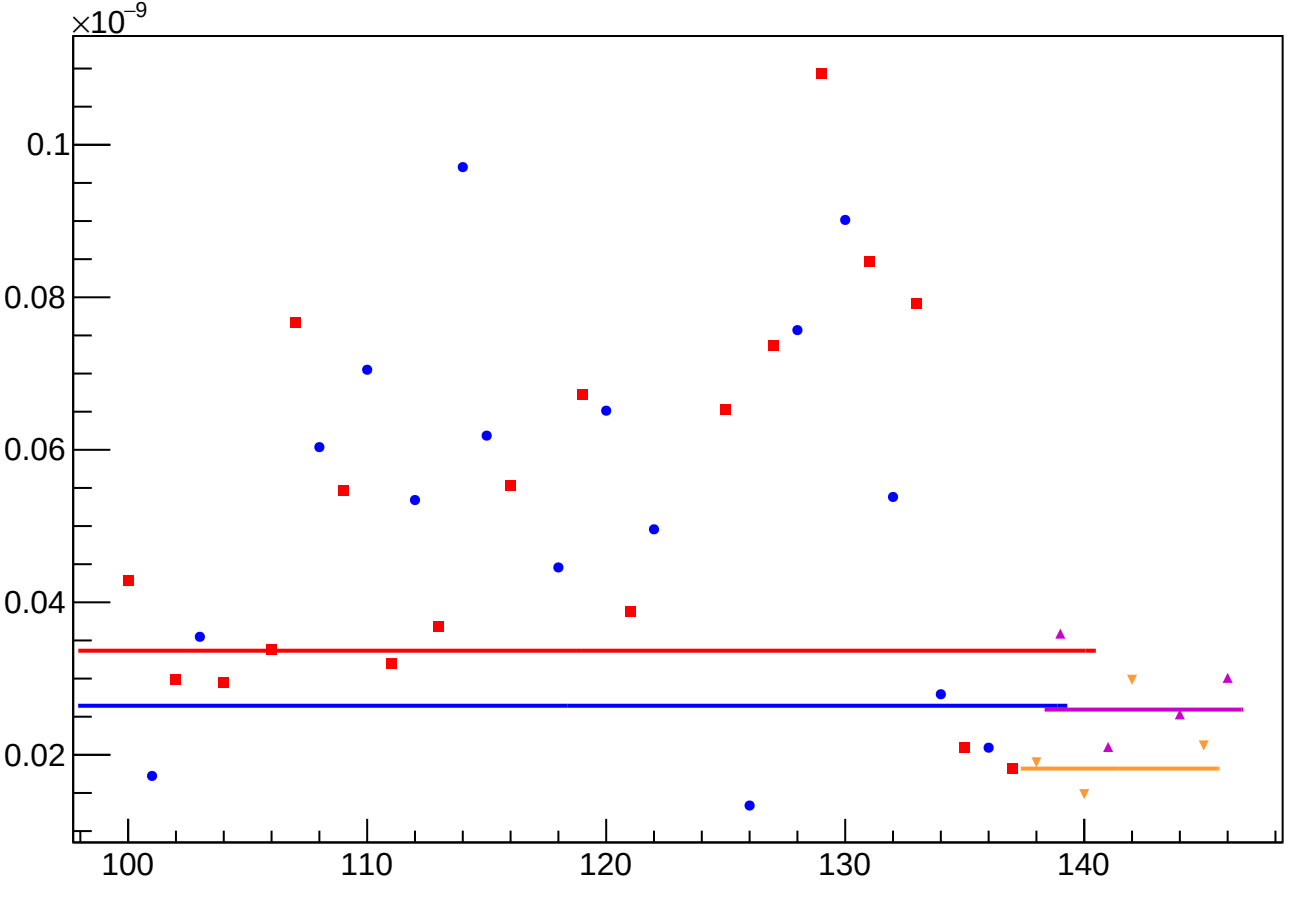
Left: 0.000+/-0.000 χ^2/NDF: 10.0/7

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

In: -0.000+/-0.000 χ^2/NDF:13.9/19

Out: -0.000+/-0.000 χ^2/NDF:29.1/21

All: -0.000+/-0.000 χ^2/NDF: 43.0/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:171623.8/3

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

Left In: 0.000+/-0.000 χ^2/NDF:178420.8/3

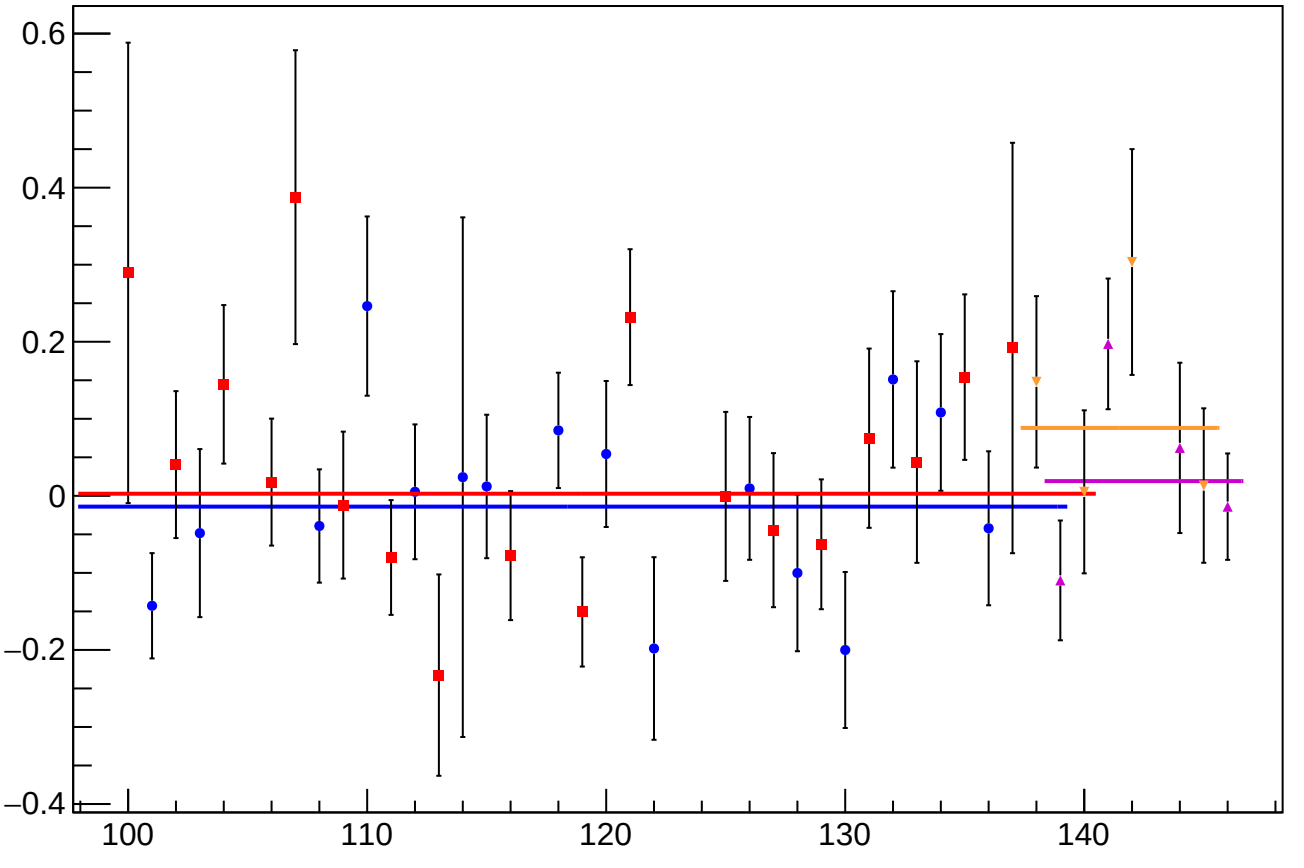
Left: 0.000+/-0.000 χ^2/NDF: 590928.7/7

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

In: 0.000+/-0.000 χ^2/NDF:2317860.0/19

Out: 0.000+/-0.000 χ^2/NDF:2777325.8/21

All: 0.000+/-0.000 χ^2/NDF: 5130724.9/41



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

Left Out: 0.088+/-0.056 χ^2/NDF:3.6/3

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

Left In: 0.019+/-0.041 χ^2/NDF:7.5/3

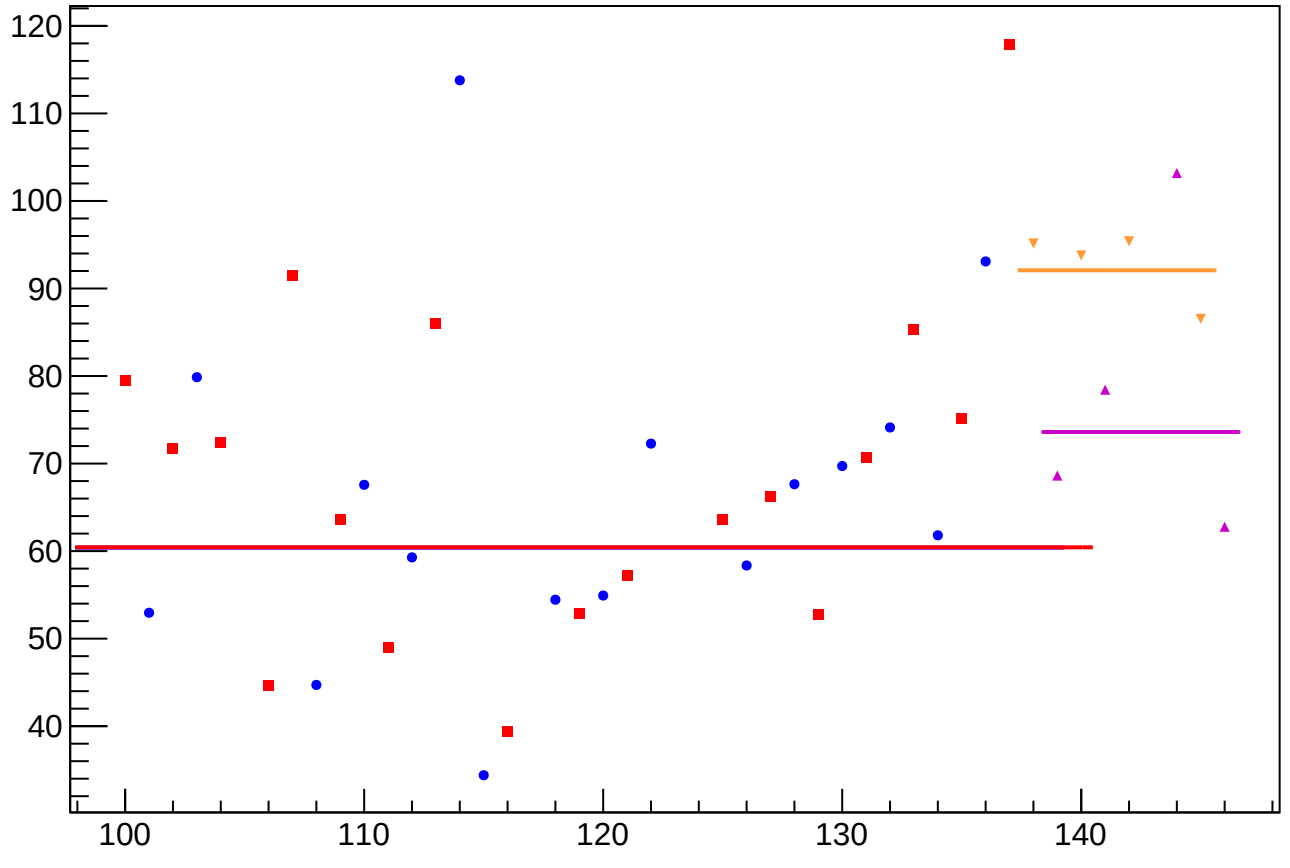
Left: 0.043+/-0.033 χ^2/NDF: 12.1/7

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

In: -0.006+/-0.021 χ^2/NDF:29.4/19

Out: 0.016+/-0.022 χ^2/NDF:33.3/21

All: 0.004+/-0.015 χ^2/NDF: 63.2/41



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

Left Out: 92.083+/-0.040 χ^2/NDF:9184.8/3

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

Left In: 73.608+/-0.029 χ^2/NDF:207137.4/3

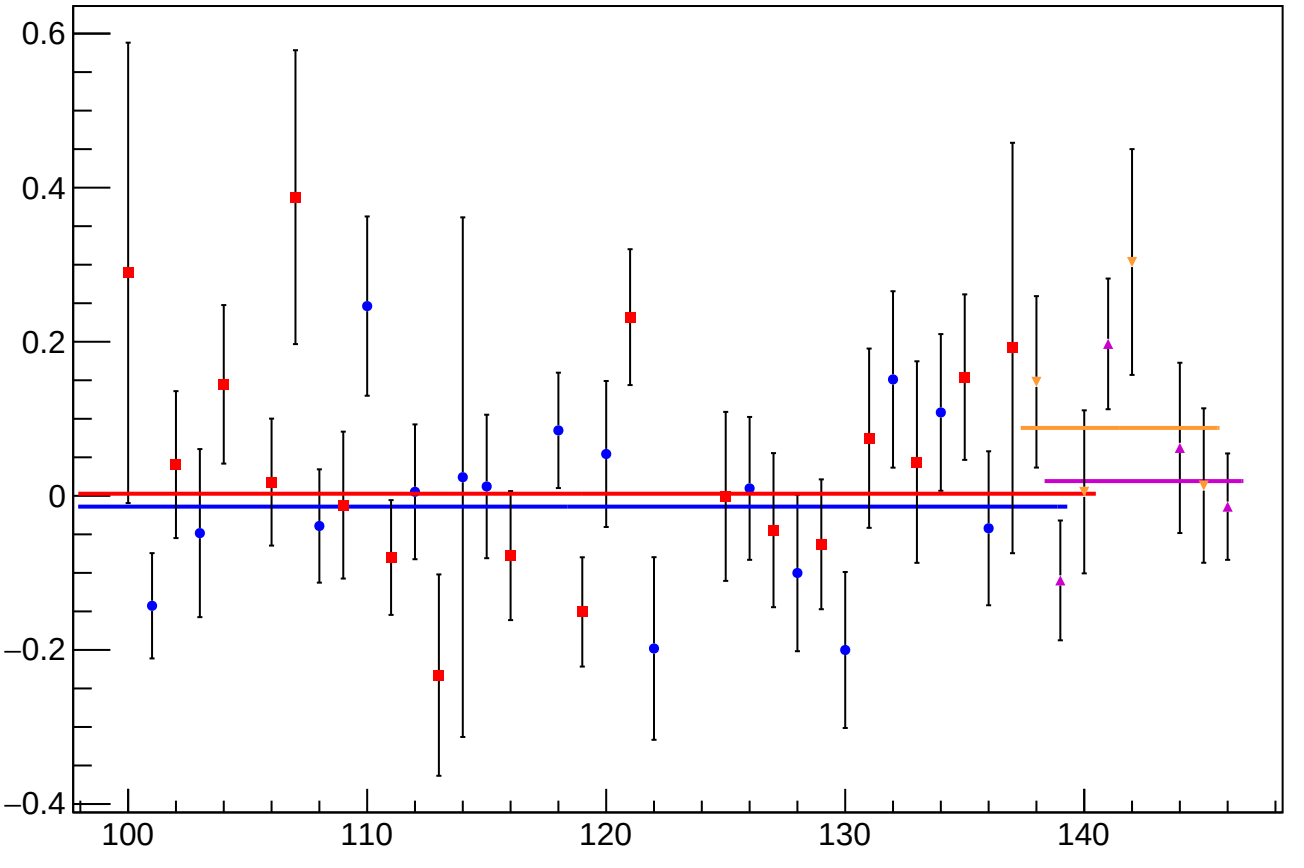
Left: 80.012+/-0.023 χ^2/NDF: 357361.4/7

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

In: 63.746+/-0.015 χ^2/NDF:1065584.5/19

Out: 65.239+/-0.015 χ^2/NDF:1257550.6/21

All: 64.447+/-0.011 χ^2/NDF: 2328063.6/41



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

Left Out: 0.088+/-0.056 χ^2/NDF:3.6/3

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

Left In: 0.019+/-0.041 χ^2/NDF:7.5/3

Left: 0.043+/-0.033 χ^2/NDF: 12.1/7

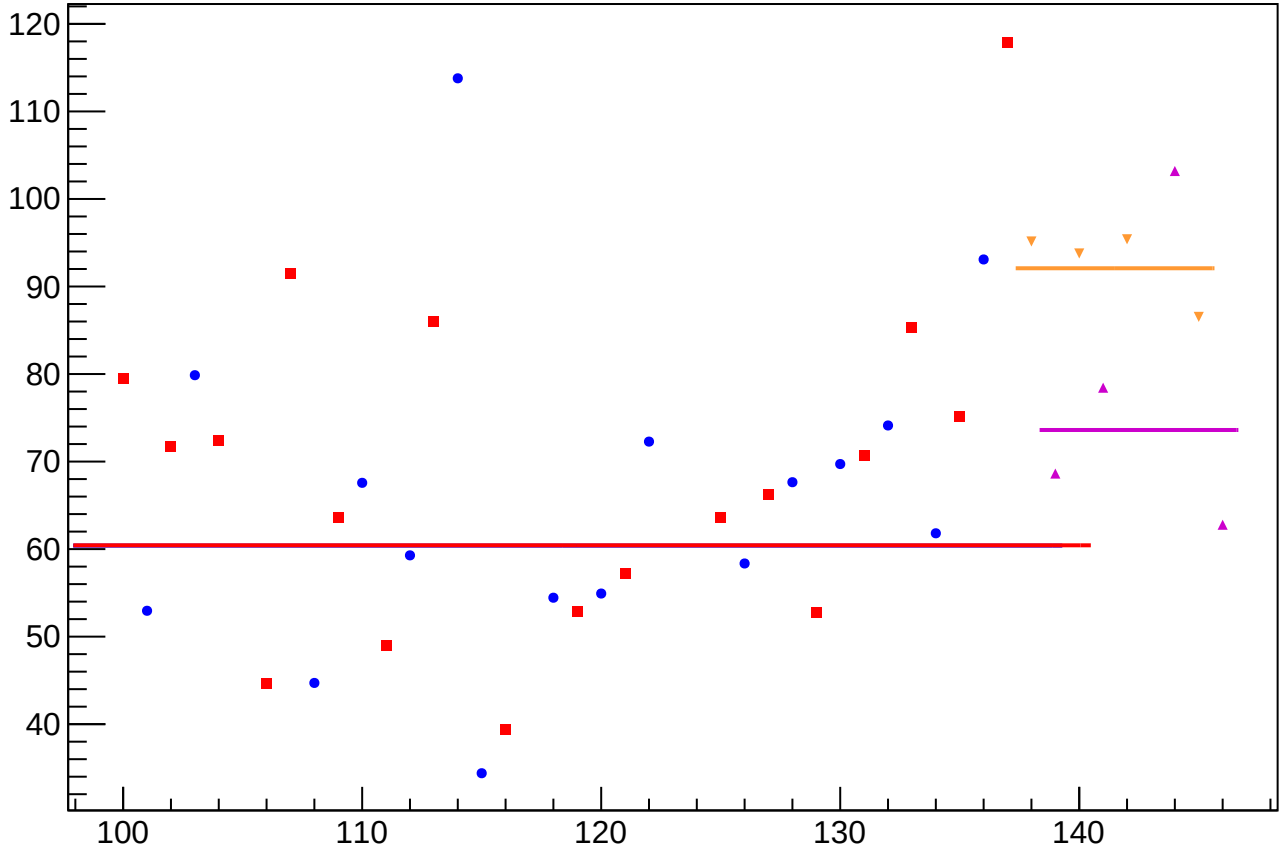
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.006+/-0.021 χ^2/NDF:29.4/19

Out: 0.016+/-0.022 χ^2/NDF:33.3/21

All: 0.004+/-0.015 χ^2/NDF: 63.2/41

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: 92.083+/-0.040 χ^2/NDF:9184.8/3

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

Left In: 73.608+/-0.029 χ^2/NDF:207137.4/3

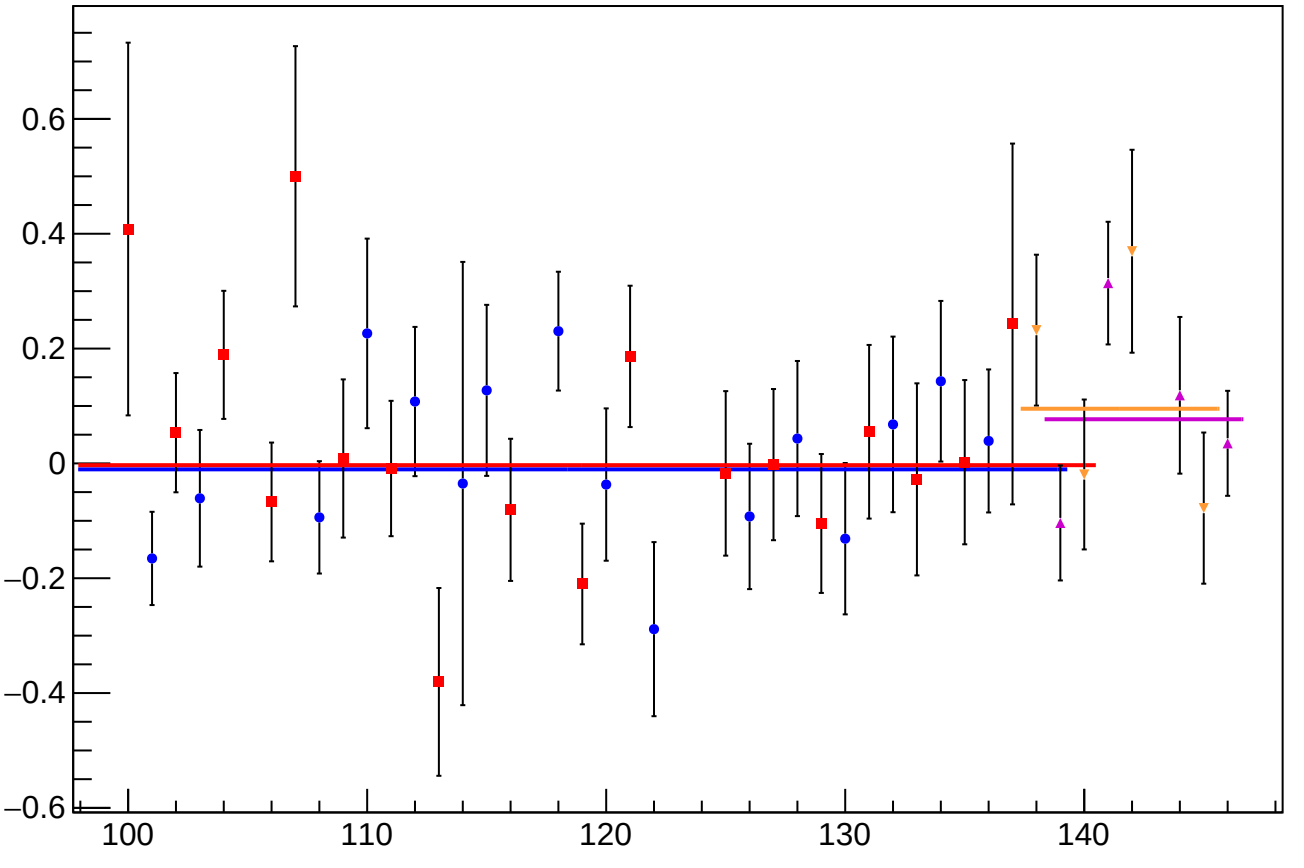
Left: 80.012+/-0.023 χ^2/NDF: 357361.4/7

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

In: 63.746+/-0.015 χ^2/NDF:1065584.5/19

Out: 65.239+/-0.015 χ^2/NDF:1257550.6/21

All: 64.447+/-0.011 χ^2/NDF: 2328063.6/41



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

Left Out: 0.095+/-0.070 χ^2/NDF:6.0/3

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

Left In: 0.077+/-0.053 χ^2/NDF:8.5/3

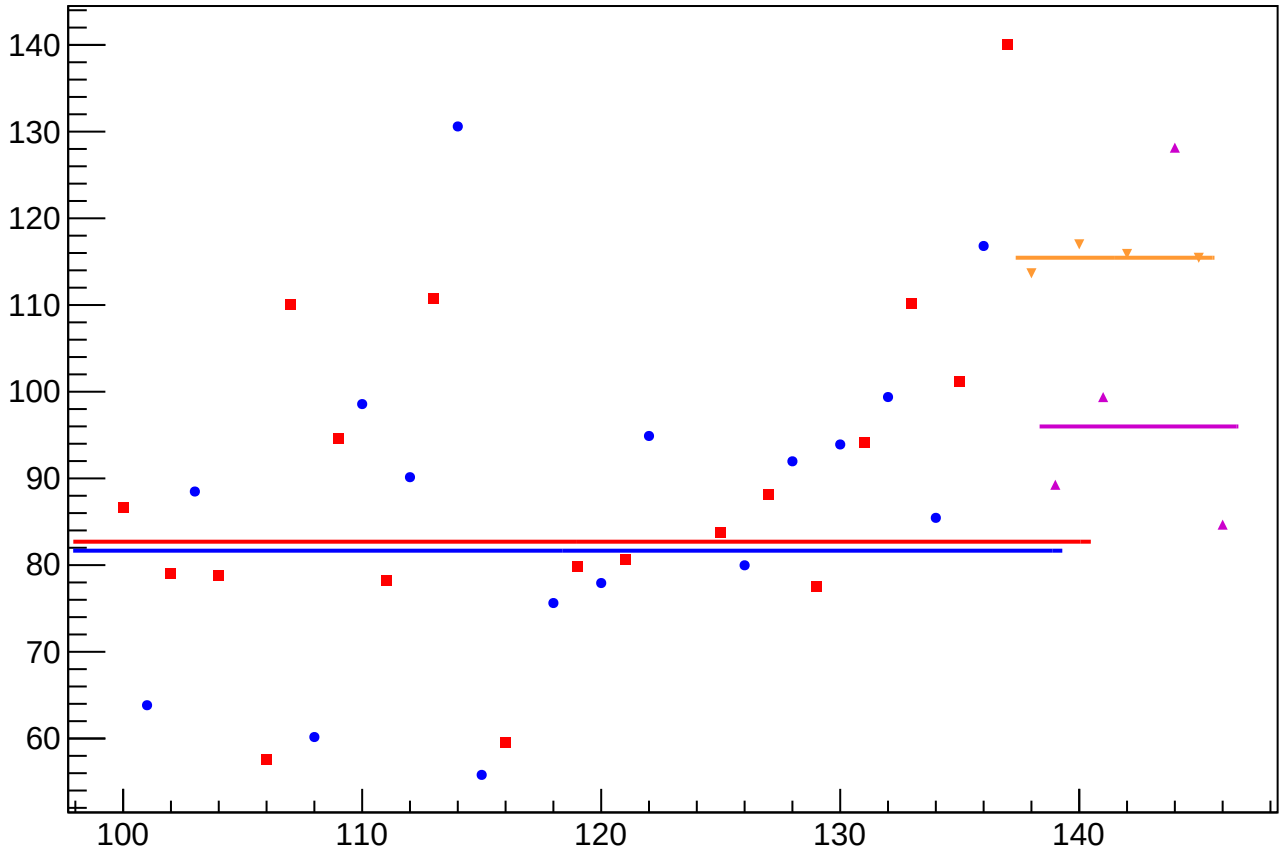
Left: 0.084+/-0.042 χ^2/NDF: 14.5/7

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

In: 0.013+/-0.027 χ^2/NDF:30.7/19

Out: 0.014+/-0.029 χ^2/NDF:31.3/21

All: 0.013+/-0.020 χ^2/NDF: 62.0/41



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

Left Out: 115.455+/-0.049 χ^2/NDF:664.7/3

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

Left In: 95.992+/-0.037 χ^2/NDF:152751.2/3

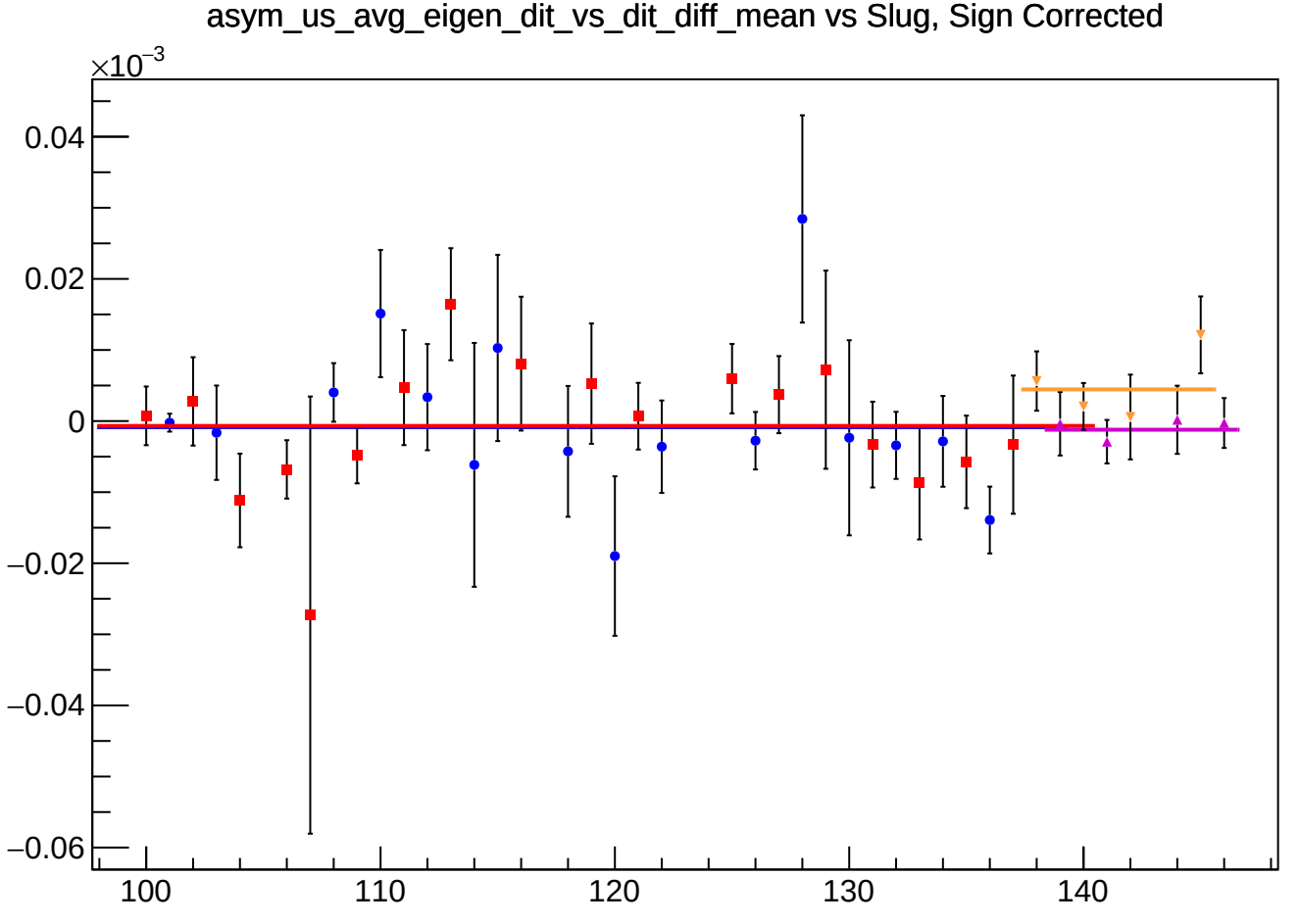
Left: 103.074+/-0.030 χ^2/NDF: 252834.2/7

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

In: 85.458+/-0.019 χ^2/NDF:823447.7/19

Out: 88.337+/-0.020 χ^2/NDF:840194.2/21

All: 86.806+/-0.014 χ^2/NDF: 1674212.2/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/3

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

Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

Left: 0.000+/-0.000 χ^2/NDF: 7.4/7

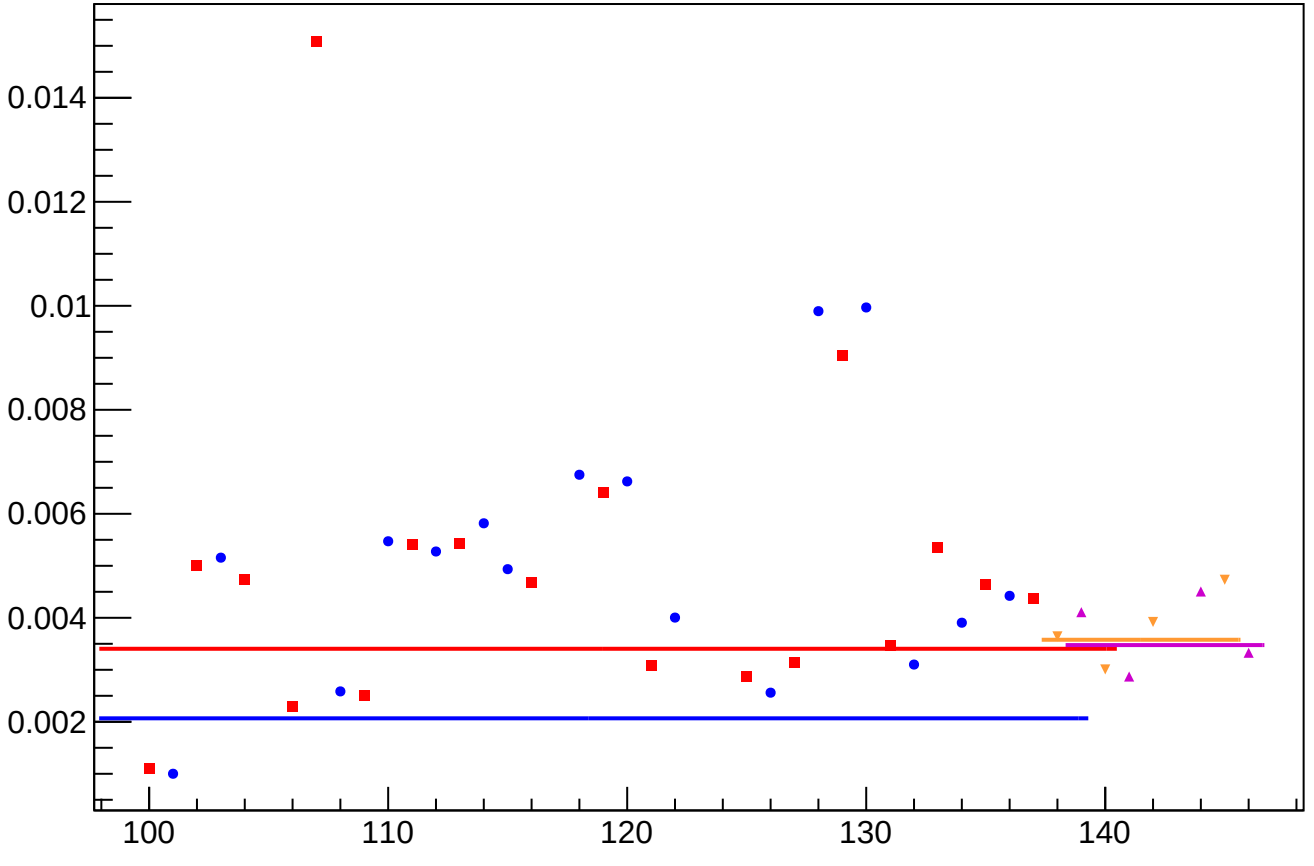
Right: -0.000+/-0.000 χ^2/NDF: 39.7/33

In: -0.000+/-0.000 χ^2/NDF:21.8/19

Out: 0.000+/-0.000 χ^2/NDF:25.3/21

All: -0.000+/-0.000 χ^2/NDF: 48.6/41

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left Out: 0.004+/-0.000 χ^2/NDF:158197.8/3

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

Left In: 0.003+/-0.000 χ^2/NDF:214167.4/3

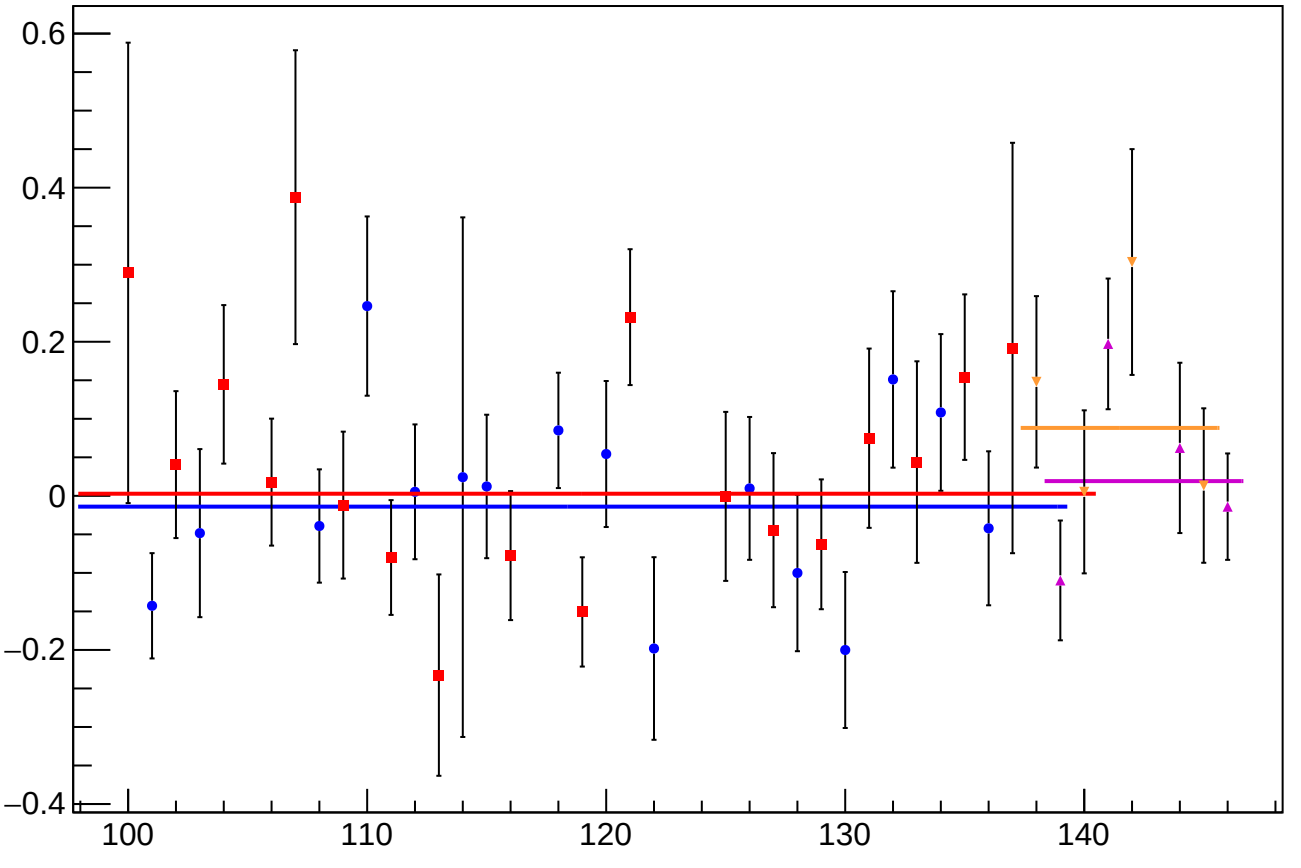
Left: 0.004+/-0.000 χ^2/NDF: 374898.5/7

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

In: 0.002+/-0.000 χ^2/NDF:6896216.7/19

Out: 0.003+/-0.000 χ^2/NDF:2658415.4/21

All: 0.003+/-0.000 χ^2/NDF: 10603181.7/41



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

Left Out: 0.088+/-0.056 χ^2/NDF:3.6/3

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

Left In: 0.019+/-0.041 χ^2/NDF:7.5/3

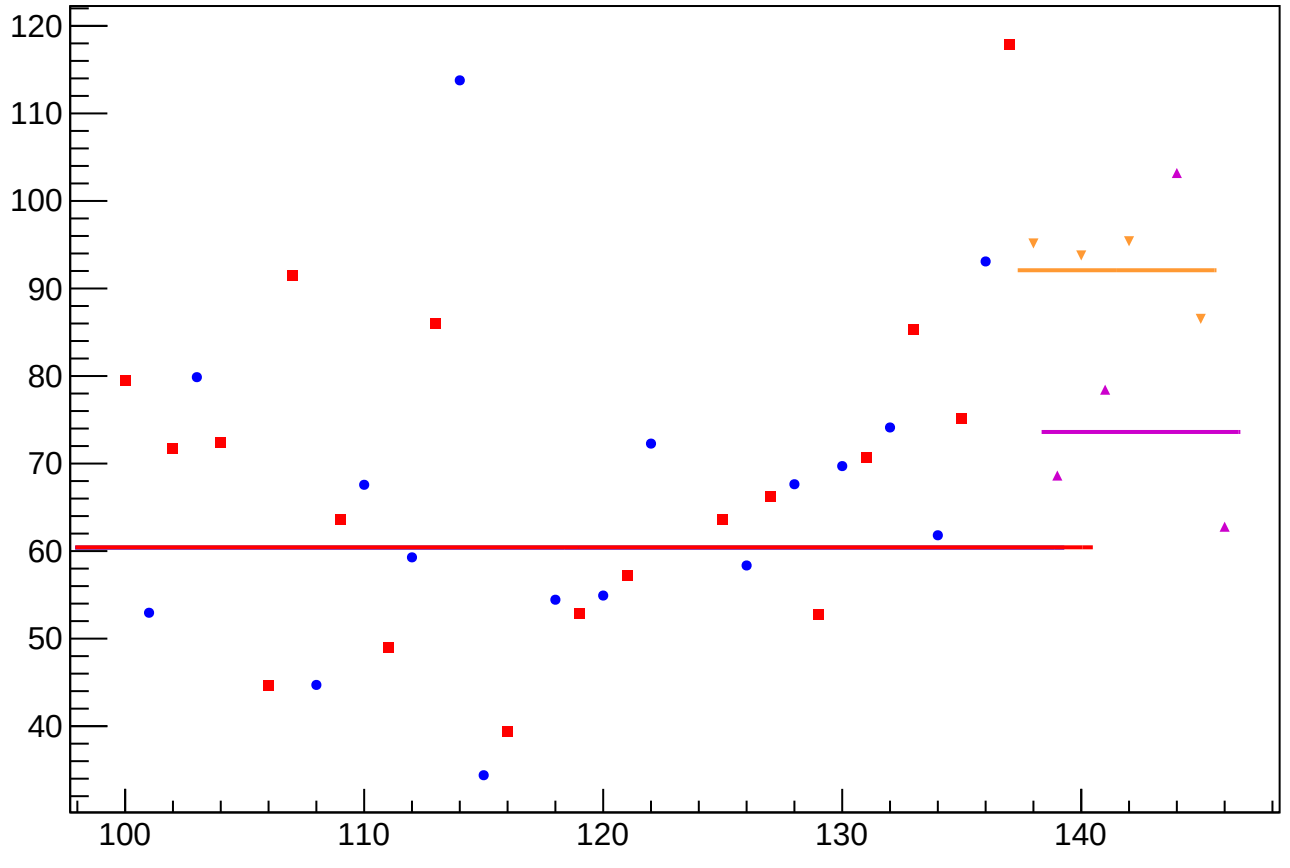
Left: 0.043+/-0.033 χ^2/NDF: 12.1/7

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

In: -0.006+/-0.021 χ^2/NDF:29.4/19

Out: 0.016+/-0.022 χ^2/NDF:33.3/21

All: 0.004+/-0.015 χ^2/NDF: 63.2/41



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

Left Out: 92.083+/-0.040 χ^2/NDF:9186.5/3

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

Left In: 73.608+/-0.029 χ^2/NDF:207127.6/3

Left: 80.012+/-0.023 χ^2/NDF: 357346.9/7

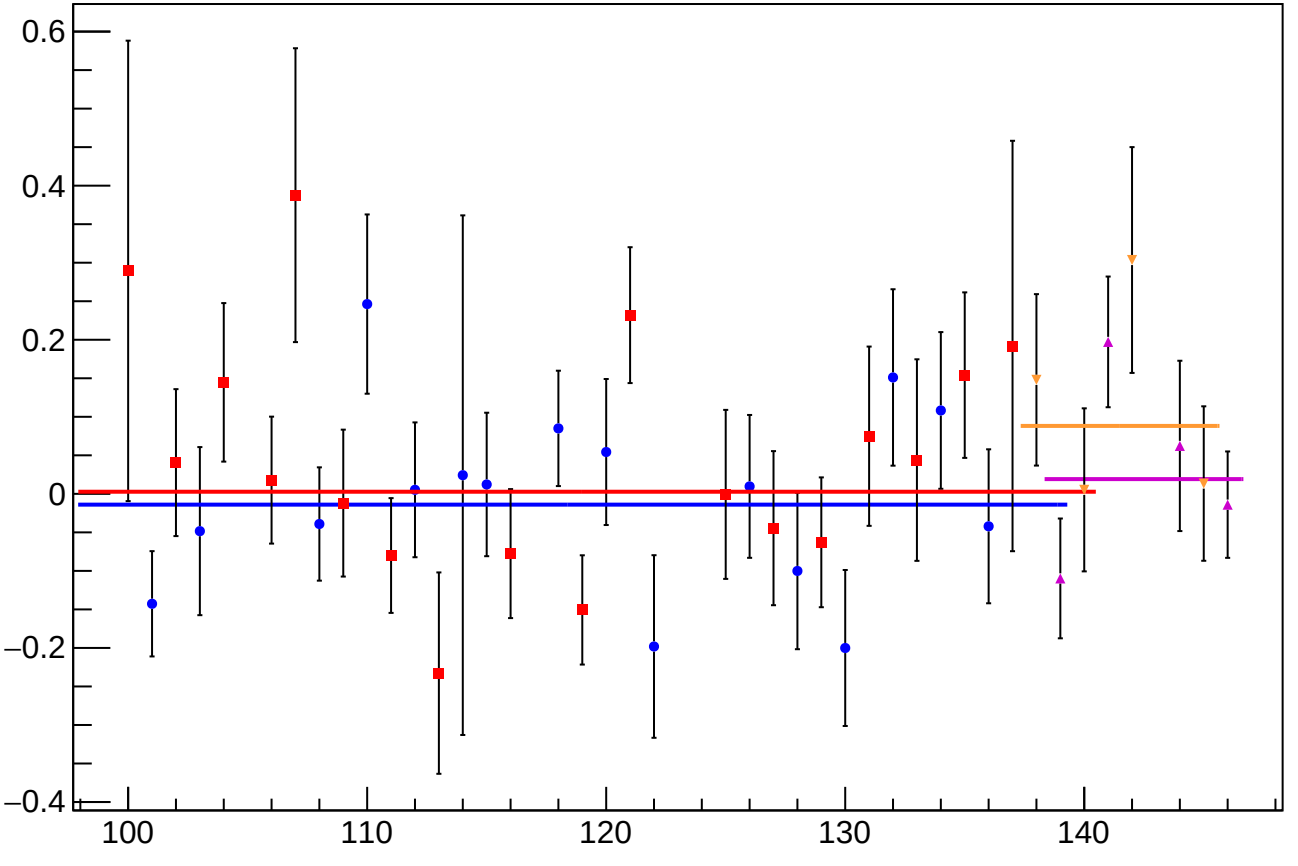
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 63.745+/-0.015 χ^2/NDF:1065630.0/19

Out: 65.238+/-0.015 χ^2/NDF:1257644.3/21

All: 64.446+/-0.011 χ^2/NDF: 2328199.2/41

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.088+/-0.056 χ^2/NDF:3.6/3

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

Left In: 0.019+/-0.041 χ^2/NDF:7.5/3

Left: 0.043+/-0.033 χ^2/NDF: 12.1/7

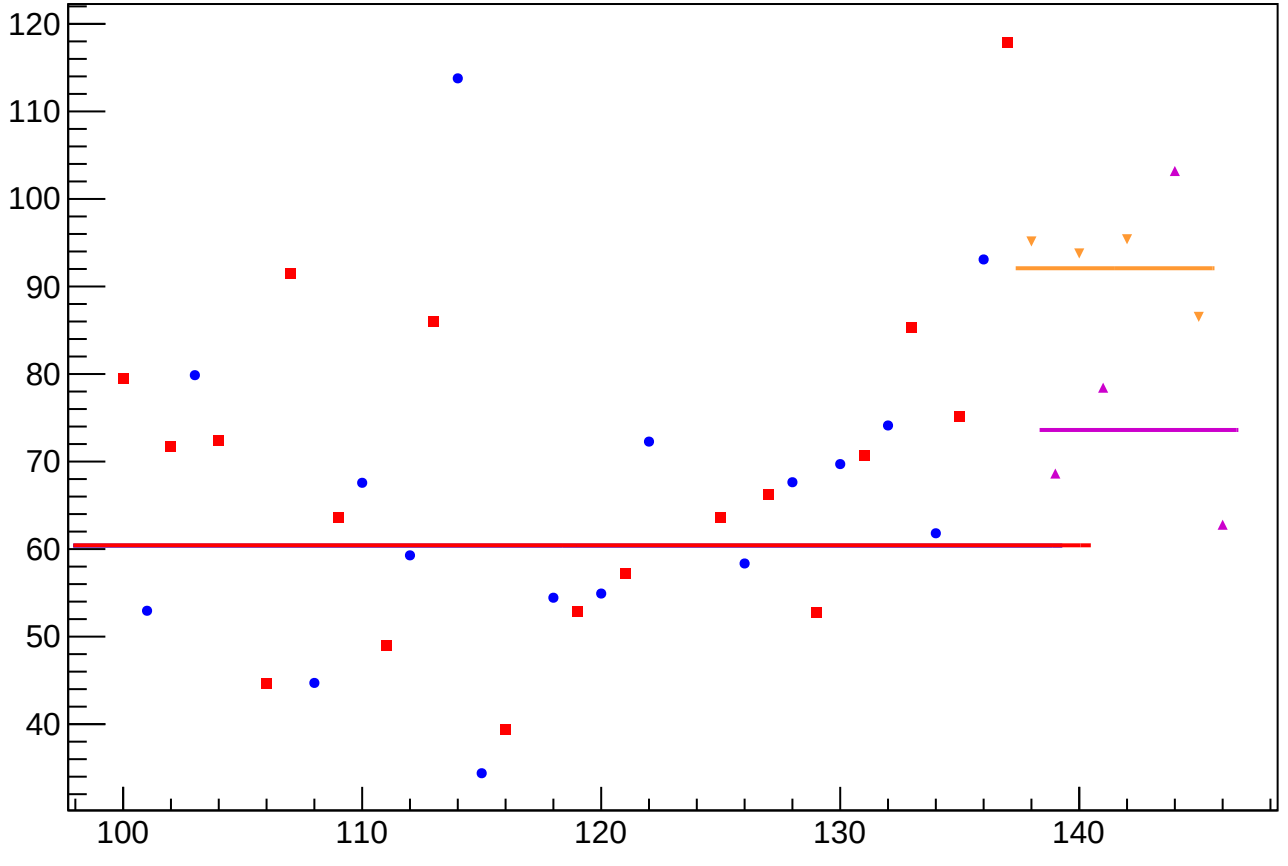
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.006+/-0.021 χ^2/NDF:29.4/19

Out: 0.016+/-0.022 χ^2/NDF:33.3/21

All: 0.004+/-0.015 χ^2/NDF: 63.2/41

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: 92.083+/-0.040 χ^2/NDF:9186.5/3

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

Left In: 73.608+/-0.029 χ^2/NDF:207127.6/3

Left: 80.012+/-0.023 χ^2/NDF: 357346.9/7

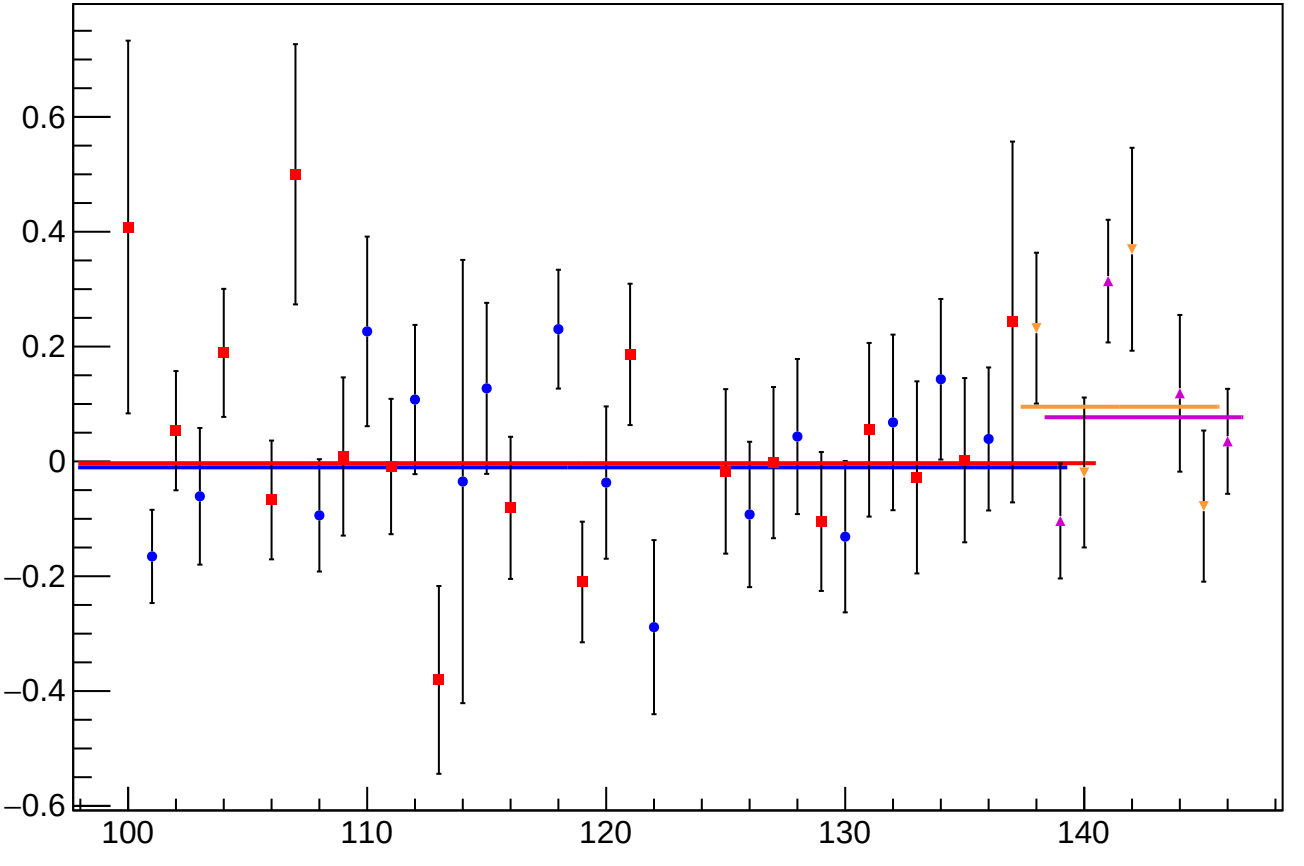
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 63.745+/-0.015 χ^2/NDF:1065630.0/19

Out: 65.238+/-0.015 χ^2/NDF:1257644.3/21

All: 64.446+/-0.011 χ^2/NDF: 2328199.2/41

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: 0.095+/-0.070 χ^2/NDF:6.0/3

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

Left In: 0.077+/-0.053 χ^2/NDF:8.5/3

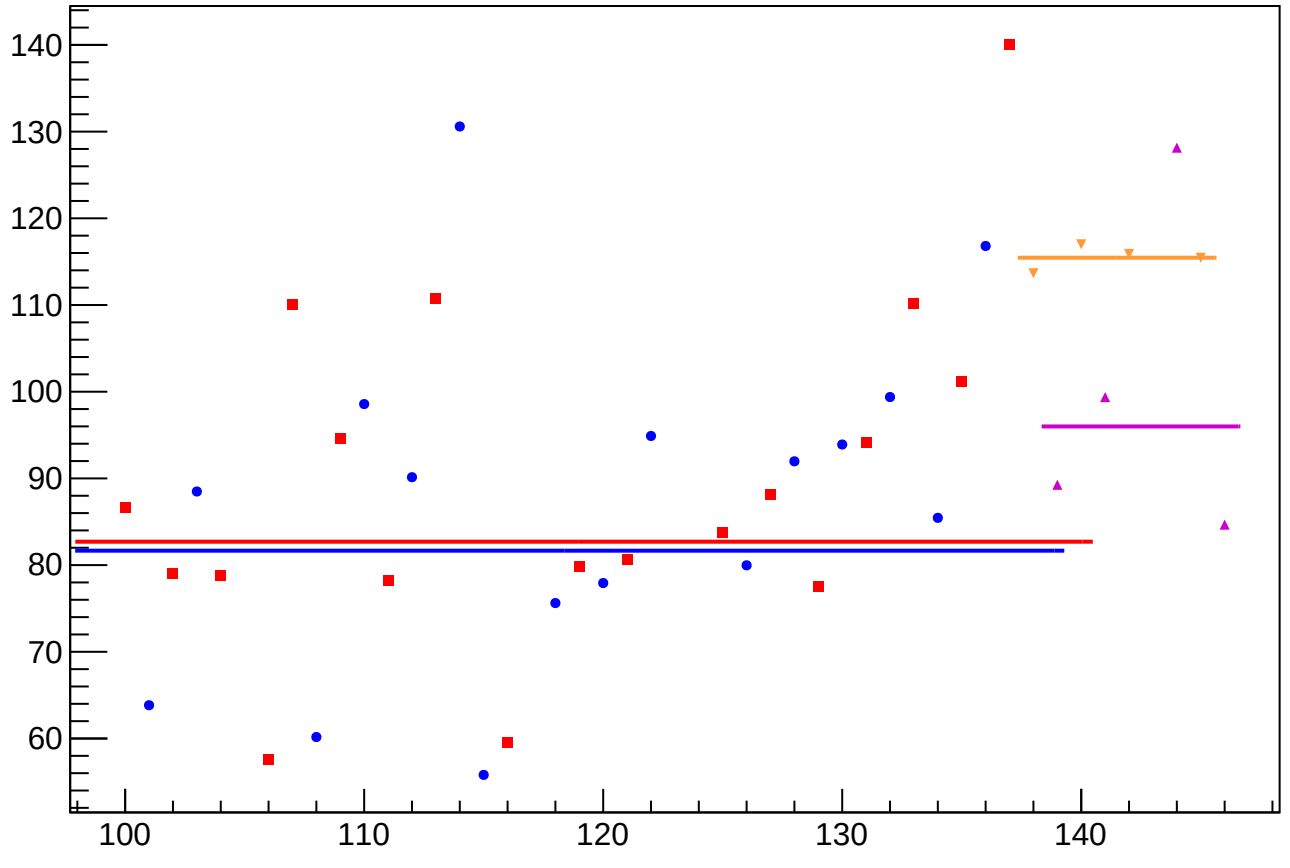
Left: 0.084+/-0.042 χ^2/NDF: 14.5/7

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

In: 0.013+/-0.027 χ^2/NDF:30.7/19

Out: 0.014+/-0.029 χ^2/NDF:31.3/21

All: 0.013+/-0.020 χ^2/NDF: 62.0/41



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

Left Out: 115.455+/-0.049 χ^2/NDF:664.7/3

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

Left In: 95.992+/-0.037 χ^2/NDF:152746.3/3

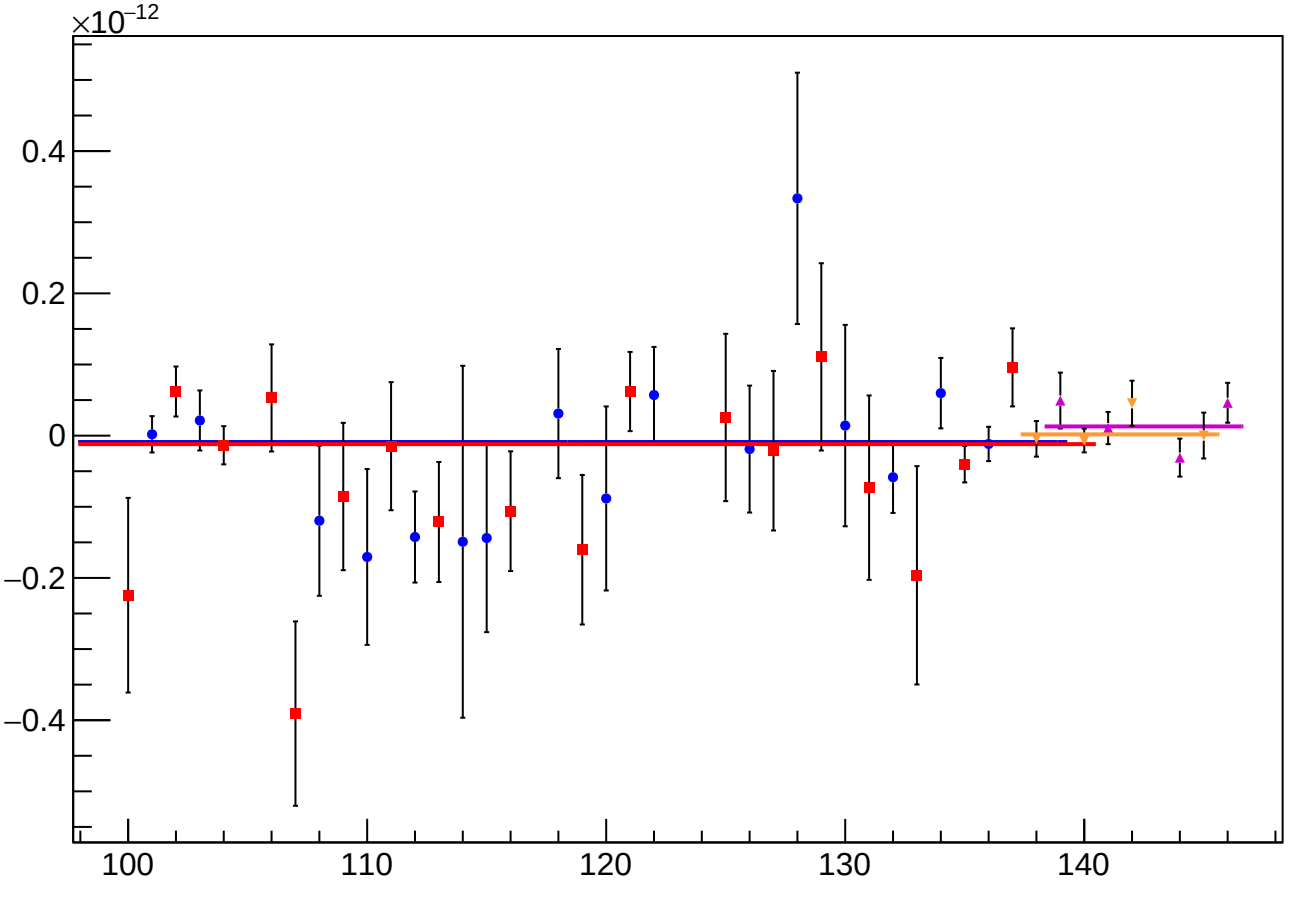
Left: 103.075+/-0.030 χ^2/NDF: 252825.7/7

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

In: 85.457+/-0.019 χ^2/NDF:823448.8/19

Out: 88.336+/-0.020 χ^2/NDF:840217.3/21

All: 86.805+/-0.014 χ^2/NDF: 1674233.8/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

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

Left In: 0.000+/-0.000 χ^2/NDF:5.0/3

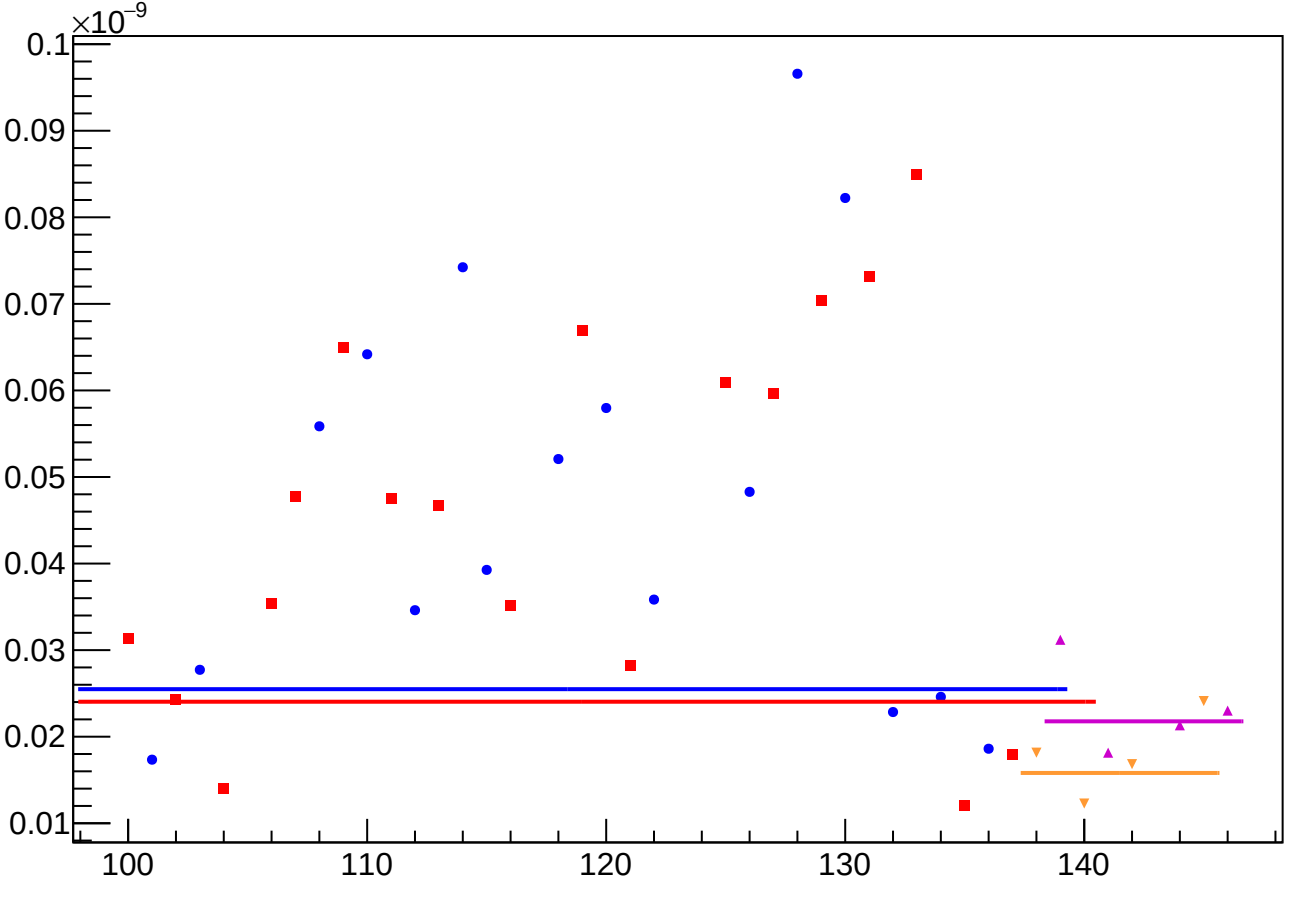
Left: 0.000+/-0.000 χ^2/NDF: 7.6/7

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

In: 0.000+/-0.000 χ^2/NDF:23.7/19

Out: -0.000+/-0.000 χ^2/NDF:33.9/21

All: -0.000+/-0.000 χ^2/NDF: 57.8/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:242703.4/3

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

Left In: 0.000+/-0.000 χ^2/NDF:170731.7/3

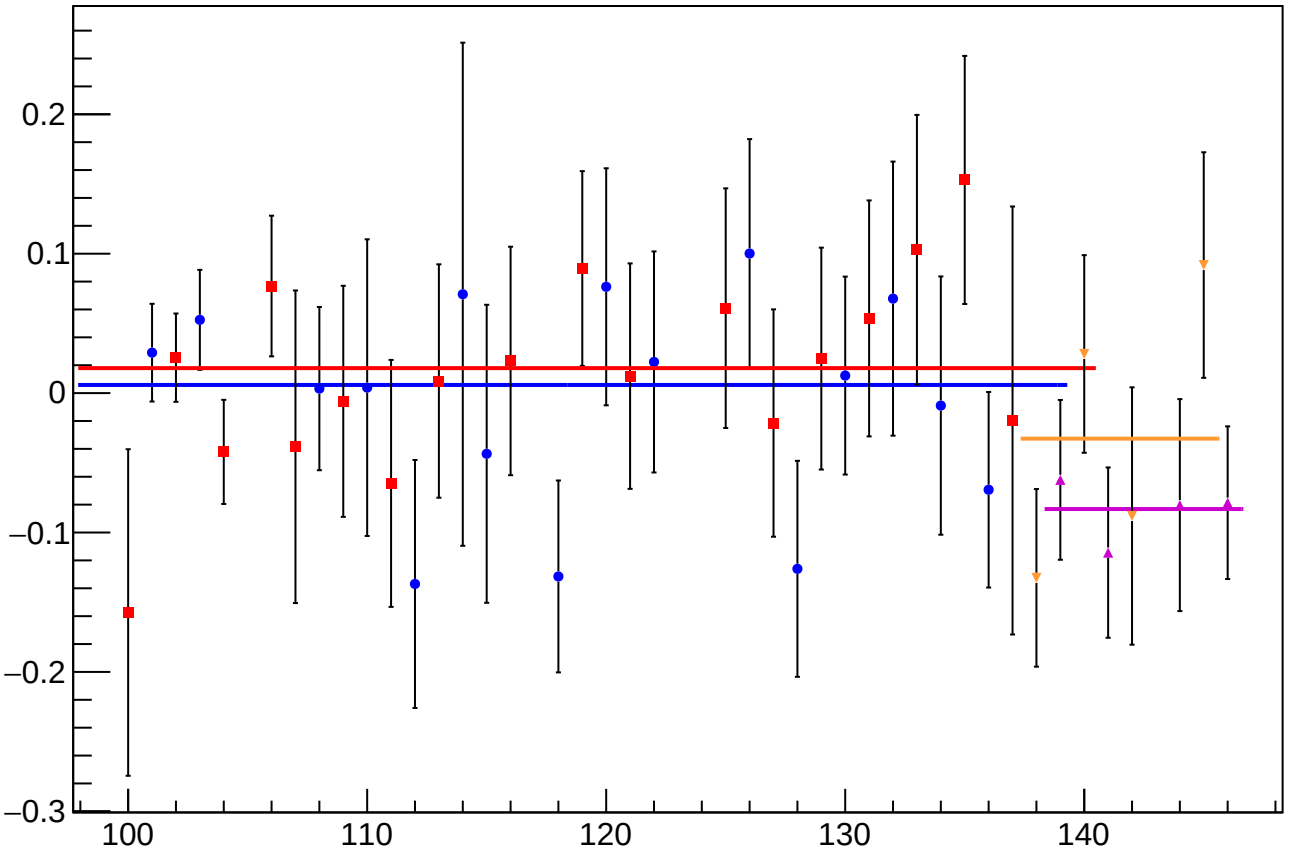
Left: 0.000+/-0.000 χ^2/NDF: 629339.2/7

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

In: 0.000+/-0.000 χ^2/NDF:2246271.7/19

Out: 0.000+/-0.000 χ^2/NDF:3751647.3/21

All: 0.000+/-0.000 χ^2/NDF: 6215199.6/41



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

Left Out: -0.033+/-0.037 χ^2/NDF:5.9/3

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

Left In: -0.083+/-0.030 χ^2/NDF:0.4/3

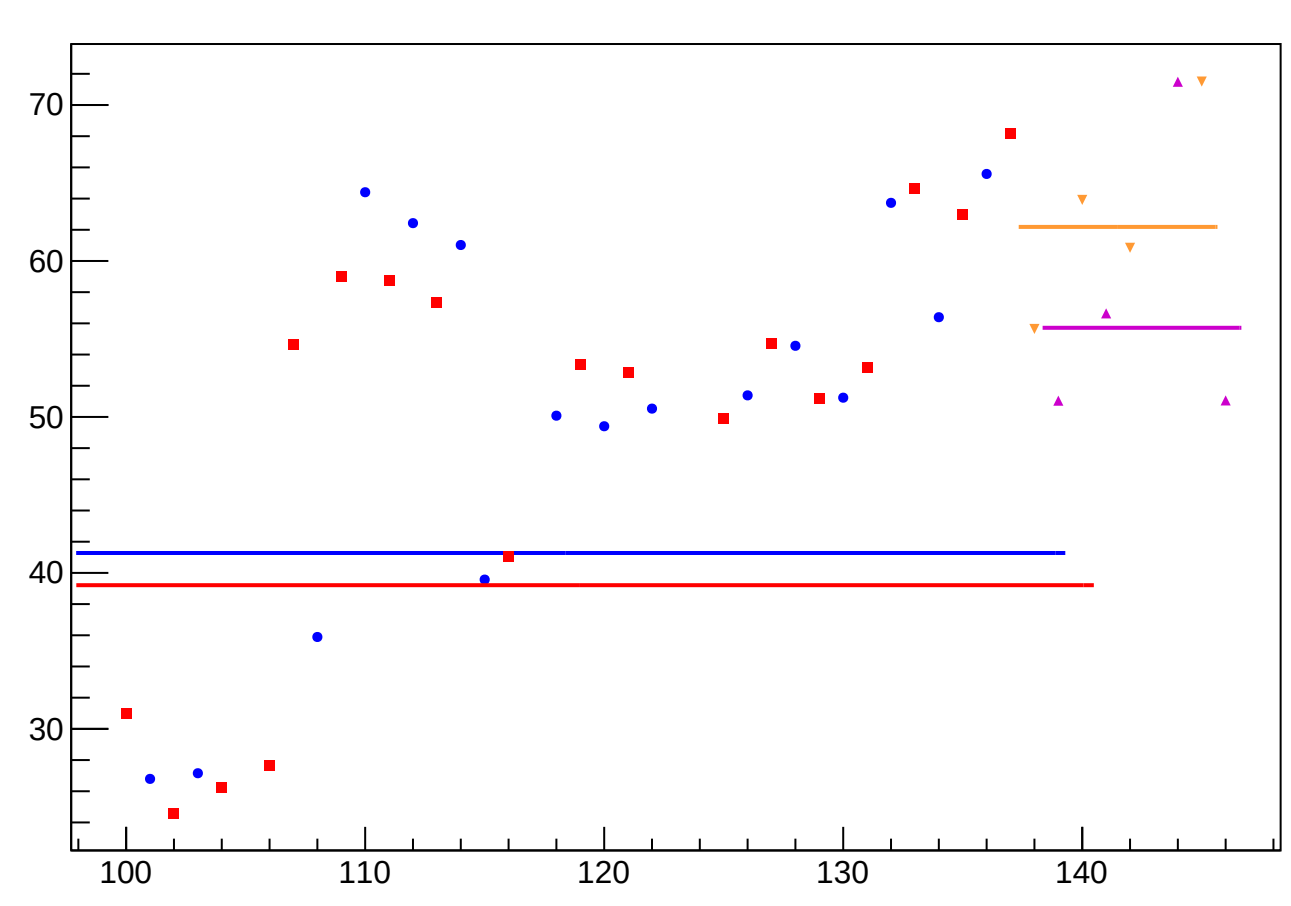
Left: -0.063+/-0.024 χ^2/NDF: 7.4/7

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.015 χ^2/NDF:22.6/19

Out: 0.010+/-0.015 χ^2/NDF:19.8/21

All: -0.002+/-0.010 χ^2/NDF: 43.8/41



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

Left Out: 62.184+/-0.026 χ^2/NDF:49237.8/3

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

Left In: 55.716+/-0.022 χ^2/NDF:114334.3/3

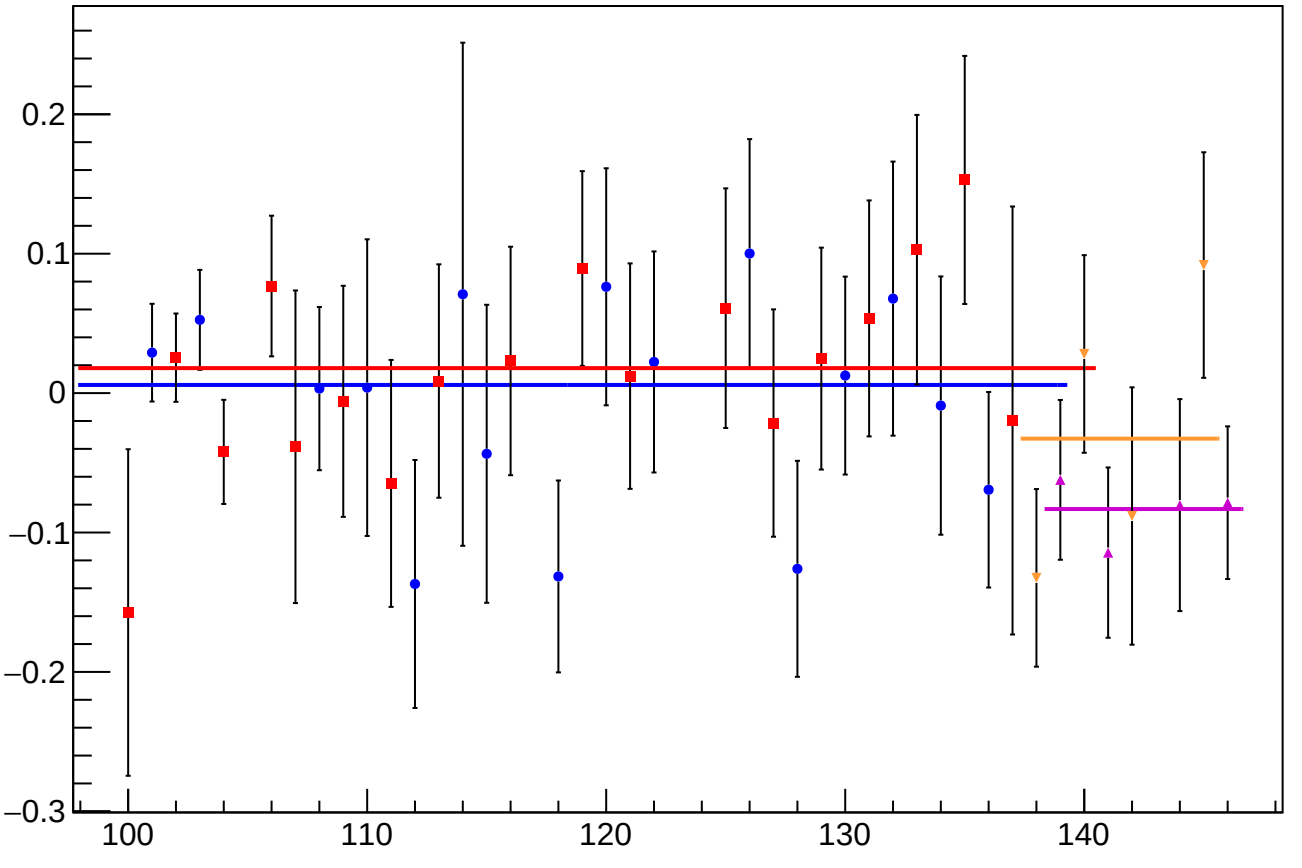
Left: 58.295+/-0.017 χ^2/NDF: 199577.9/7

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

In: 44.564+/-0.010 χ^2/NDF:1967144.3/19

Out: 42.669+/-0.010 χ^2/NDF:2510713.8/21

All: 43.615+/-0.007 χ^2/NDF: 4494903.5/41



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

Left Out: -0.033+/-0.037 χ^2/NDF:5.9/3

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

Left In: -0.083+/-0.030 χ^2/NDF:0.4/3

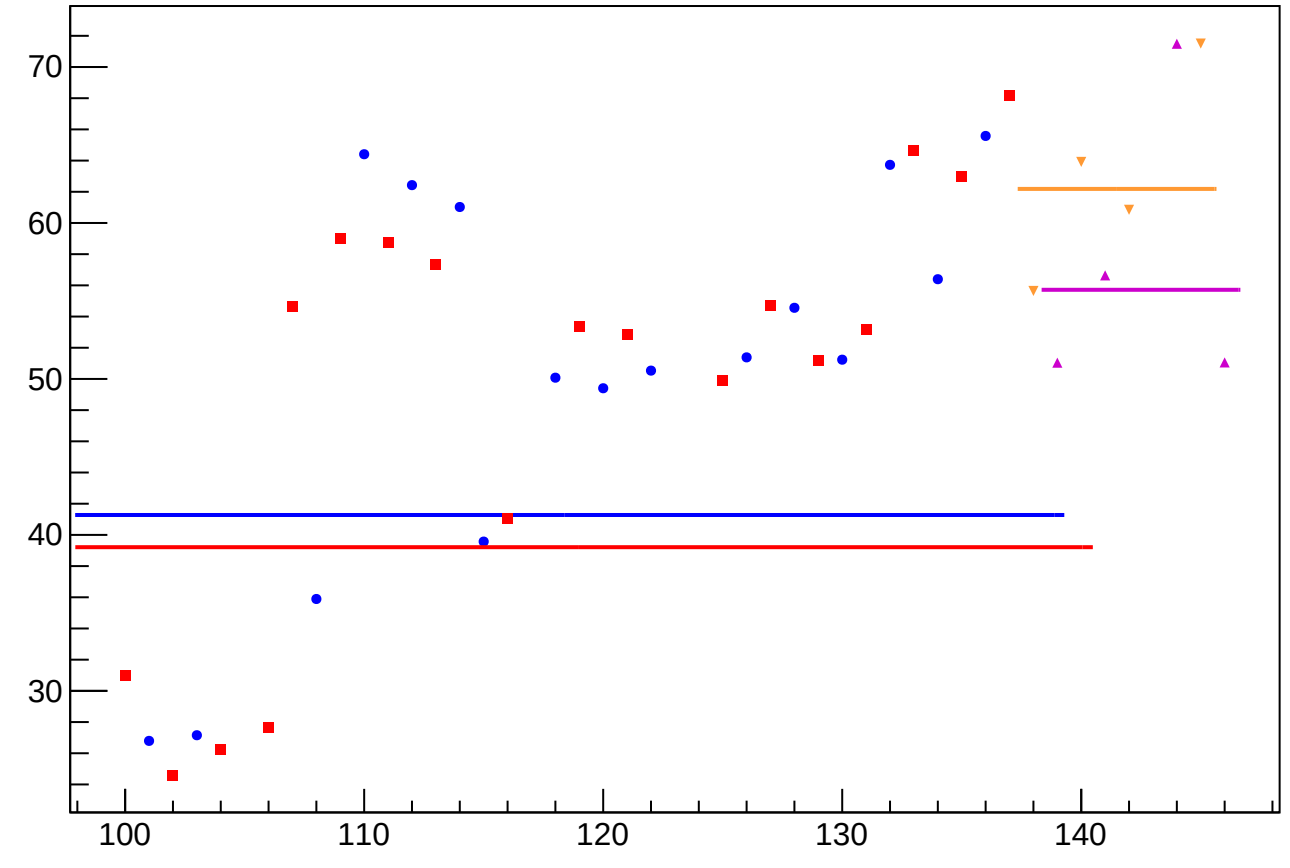
Left: -0.063+/-0.024 χ^2/NDF: 7.4/7

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.015 χ^2/NDF:22.6/19

Out: 0.010+/-0.015 χ^2/NDF:19.8/21

All: -0.002+/-0.010 χ^2/NDF: 43.8/41



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

Left Out: 62.184+/-0.026 χ^2/NDF:49237.8/3

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

Left In: 55.716+/-0.022 χ^2/NDF:114334.3/3

Left: 58.295+/-0.017 χ^2/NDF: 199577.9/7

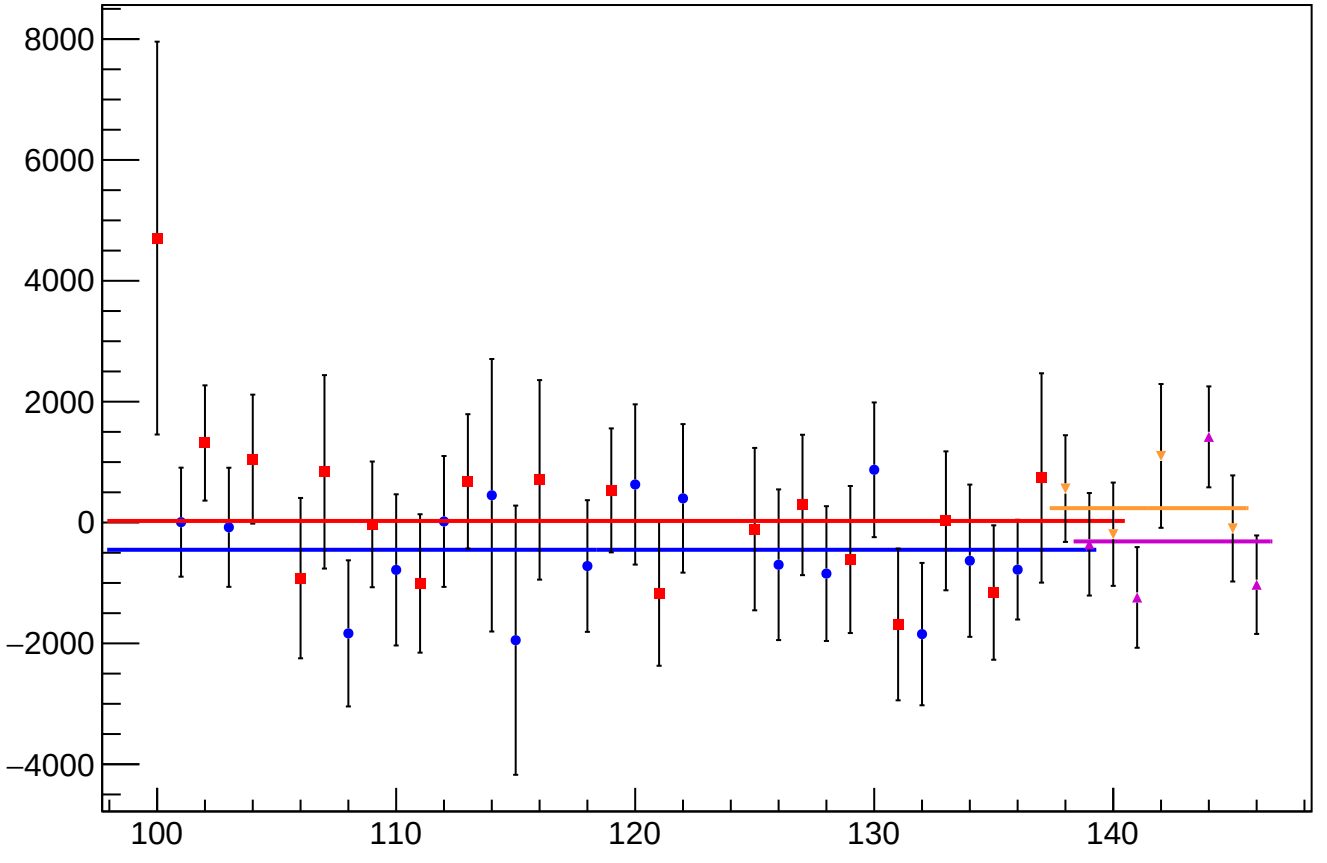
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 44.564+/-0.010 χ^2/NDF:1967144.3/19

Out: 42.669+/-0.010 χ^2/NDF:2510713.8/21

All: 43.615+/-0.007 χ^2/NDF: 4494903.5/41

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 237.846+/-463.442 χ^2/NDF:1.1/3

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

Left In: -312.528+/-416.306 χ^2/NDF:6.3/3

Left: -66.745+/-309.701 χ^2/NDF: 8.1/7

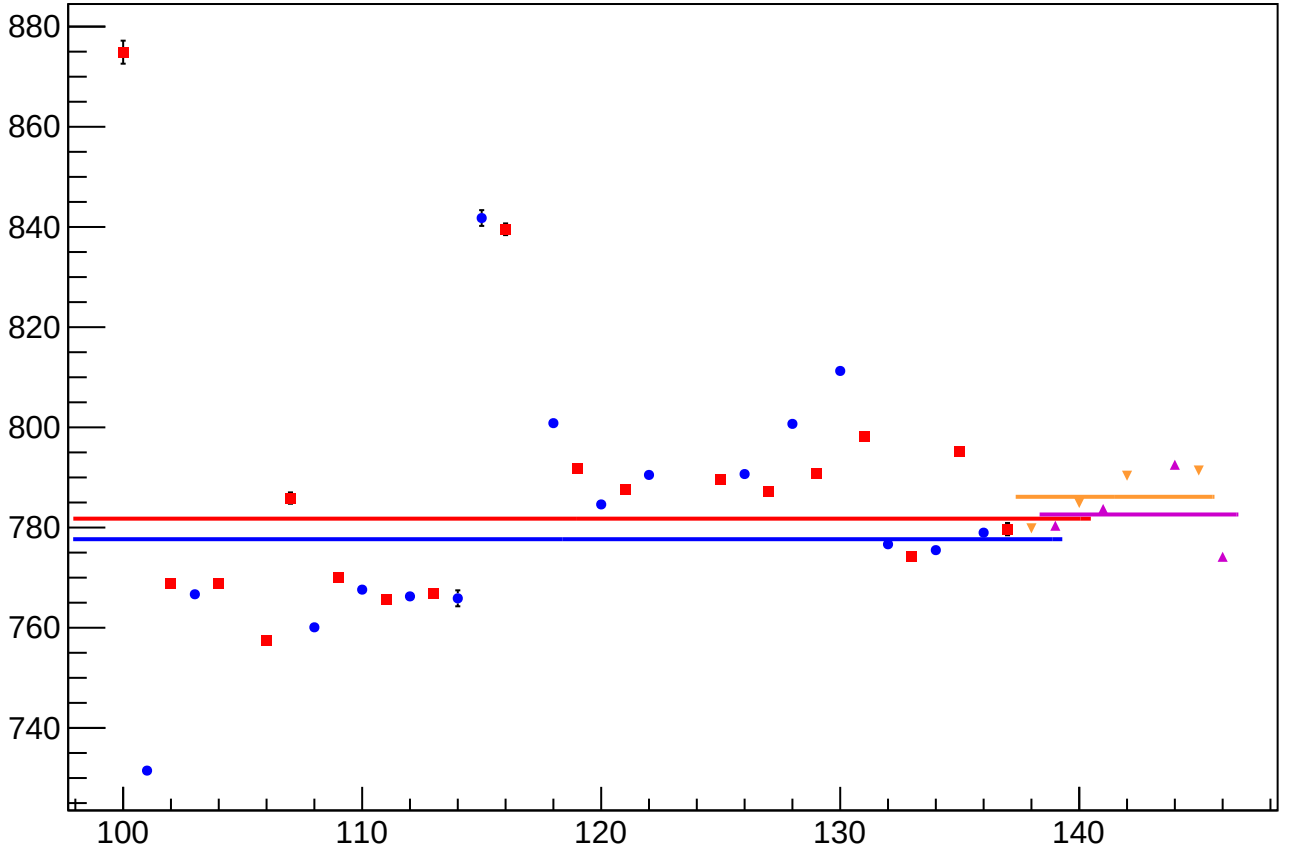
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -405.948+/-237.375 χ^2/NDF:13.3/19

Out: 85.114+/-244.663 χ^2/NDF:12.9/21

All: -167.839+/-170.368 χ^2/NDF: 28.3/41

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 786.140+/-0.328 χ^2/NDF:202.4/3

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

Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

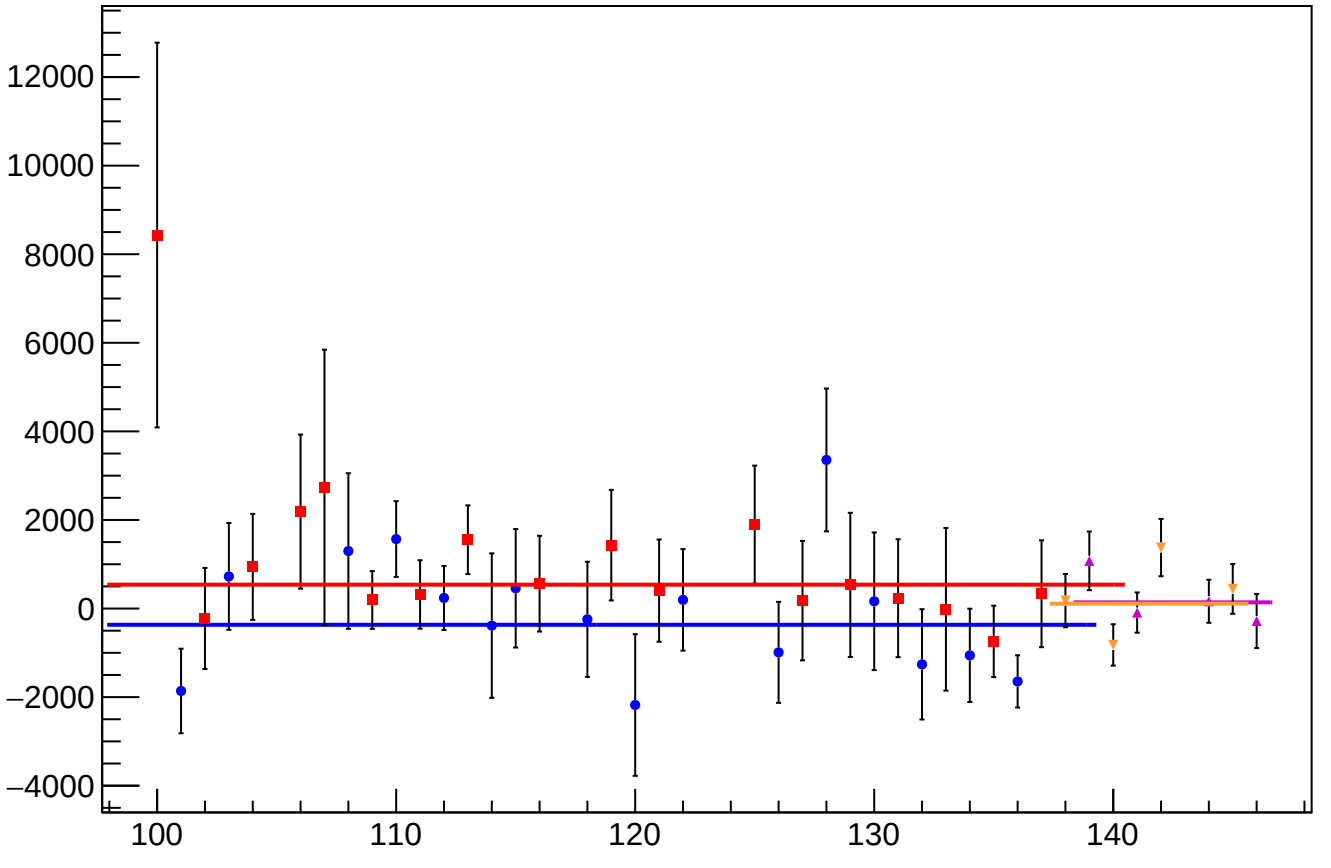
Left: 784.186+/-0.219 χ^2/NDF: 781.2/7

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

In: 779.279+/-0.168 χ^2/NDF:12759.7/19

Out: 782.993+/-0.173 χ^2/NDF:7956.6/21

All: 781.080+/-0.120 χ^2/NDF: 20953.6/41



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

Left Out: 110.275+/-278.291 χ^2/NDF:8.2/3

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

Left In: 139.569+/-266.865 χ^2/NDF:2.7/3

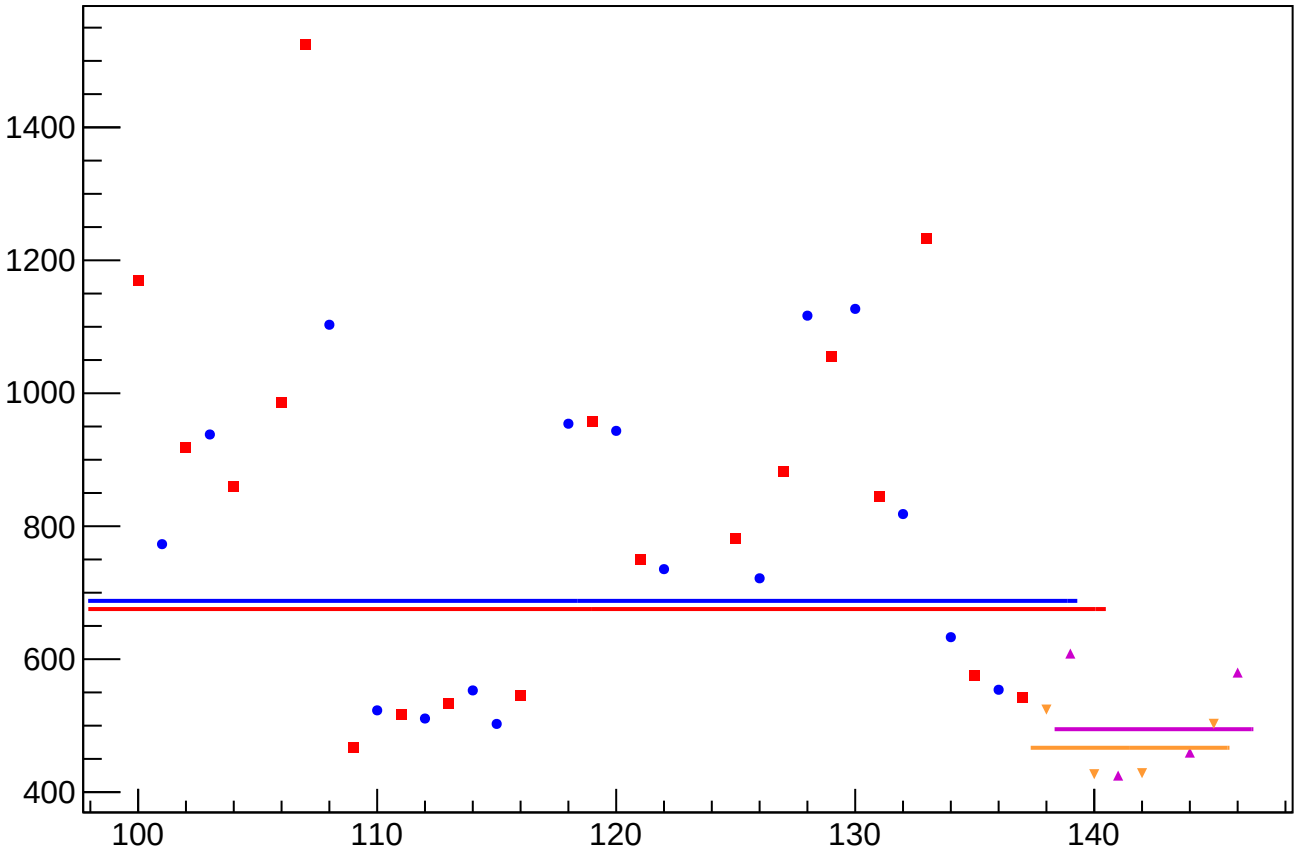
Left: 125.535+/-192.615 χ^2/NDF: 10.9/7

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

In: -113.878+/-188.643 χ^2/NDF:27.8/19

Out: 336.755+/-191.111 χ^2/NDF:21.1/21

All: 108.510+/-134.255 χ^2/NDF: 51.7/41



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

Left Out: 466.740+/-0.197 χ^2/NDF:48009.1/3

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

Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

Left: 481.295+/-0.136 χ^2/NDF: 214223.8/7

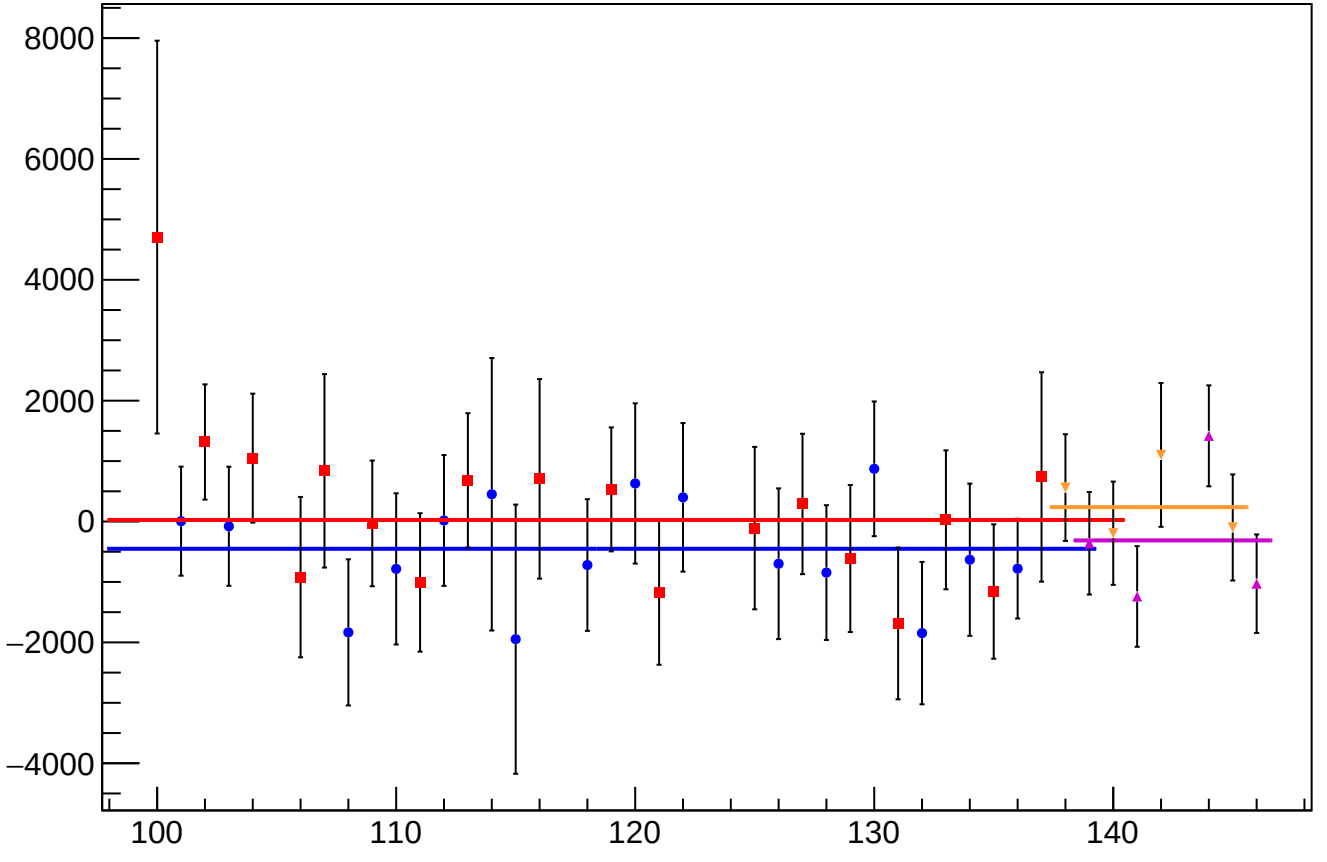
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 591.259+/-0.133 χ^2/NDF:1711181.6/19

Out: 577.002+/-0.135 χ^2/NDF:1955190.3/21

All: 584.223+/-0.095 χ^2/NDF: 3672009.5/41

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 237.846+/-463.442 χ^2/NDF:1.1/3

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

Left In: -312.528+/-416.306 χ^2/NDF:6.3/3

Left: -66.745+/-309.701 χ^2/NDF: 8.1/7

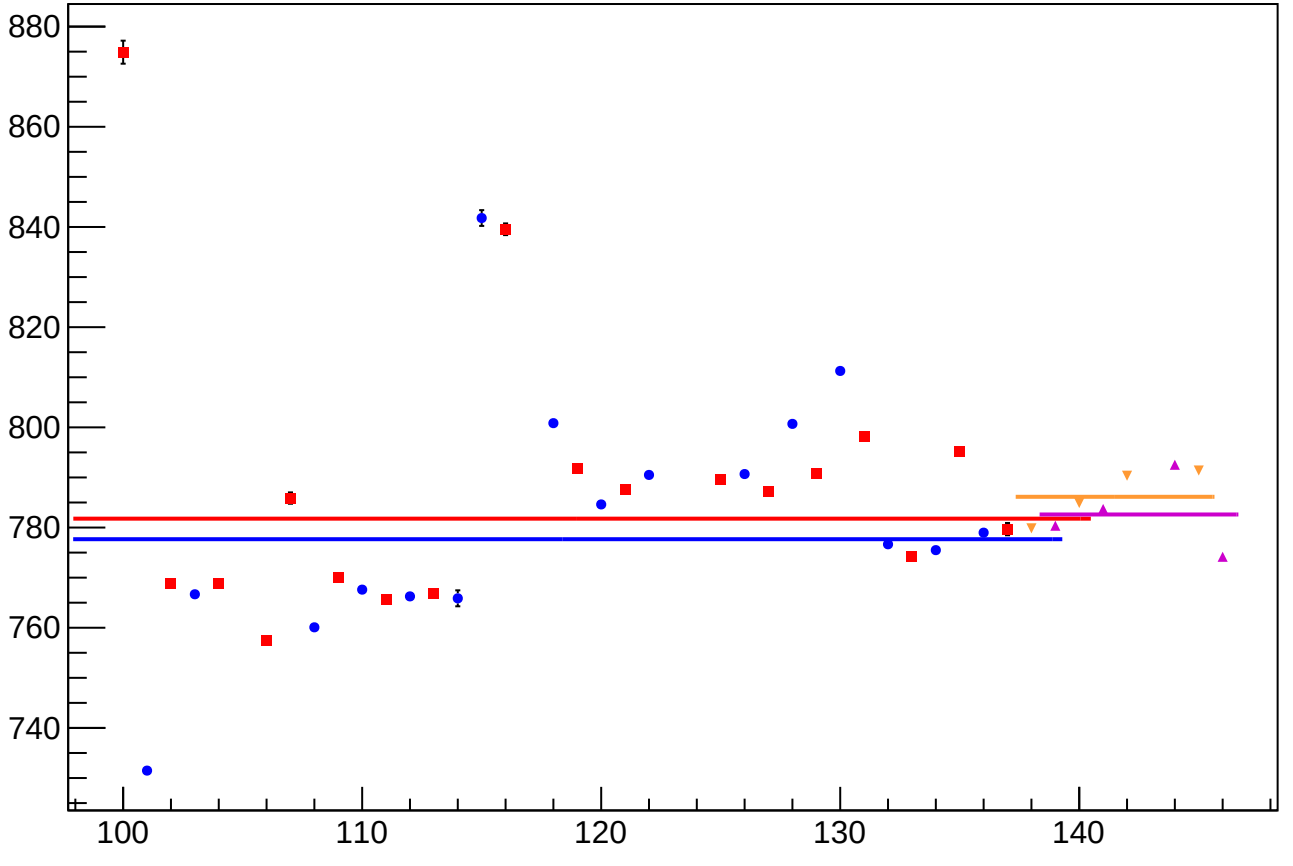
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -405.948+/-237.375 χ^2/NDF:13.3/19

Out: 85.114+/-244.663 χ^2/NDF:12.9/21

All: -167.839+/-170.368 χ^2/NDF: 28.3/41

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 786.140+/-0.328 χ^2/NDF:202.4/3

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

Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

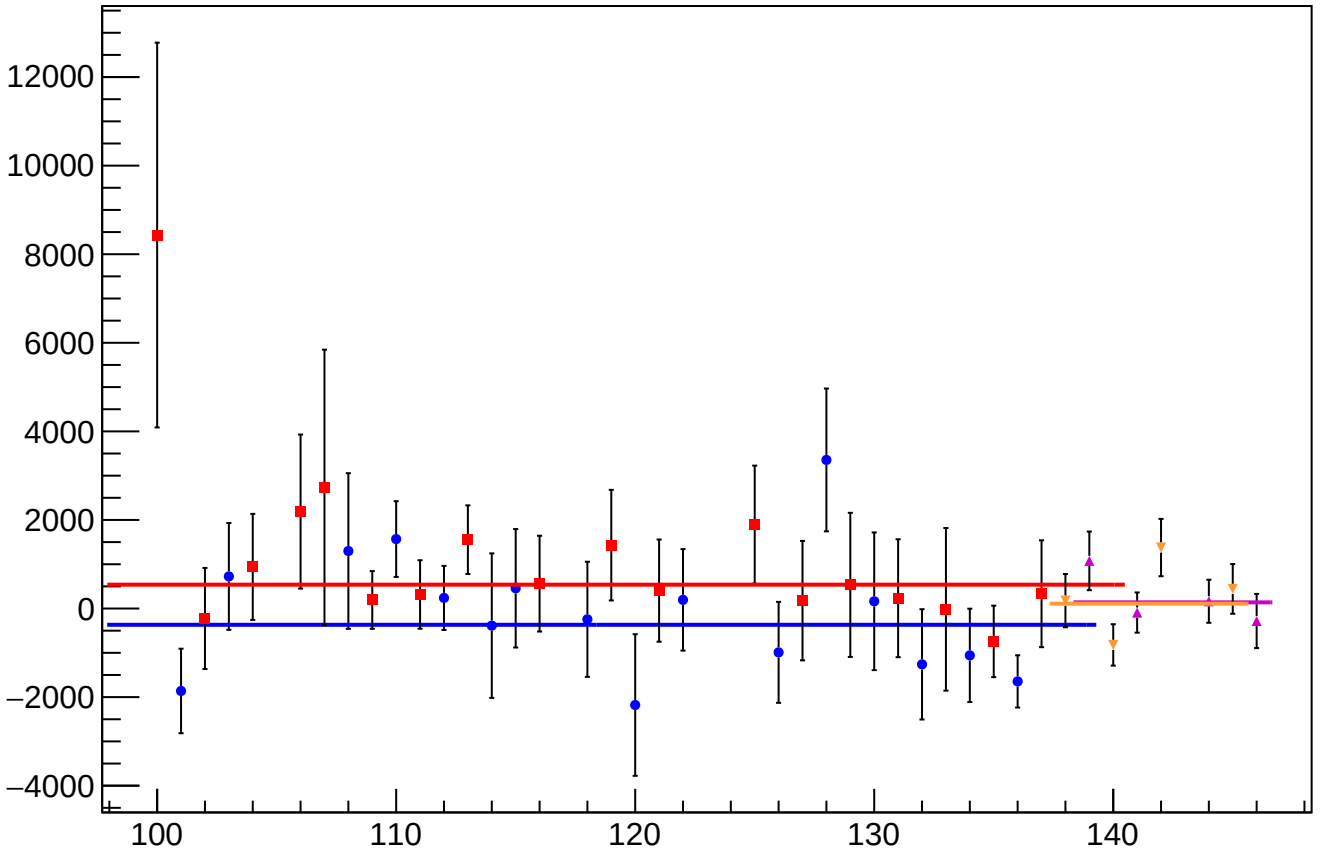
Left: 784.186+/-0.219 χ^2/NDF: 781.2/7

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

In: 779.279+/-0.168 χ^2/NDF:12759.7/19

Out: 782.993+/-0.173 χ^2/NDF:7956.6/21

All: 781.080+/-0.120 χ^2/NDF: 20953.6/41



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

Left Out: 110.275+/-278.291 χ^2/NDF:8.2/3

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

Left In: 139.569+/-266.865 χ^2/NDF:2.7/3

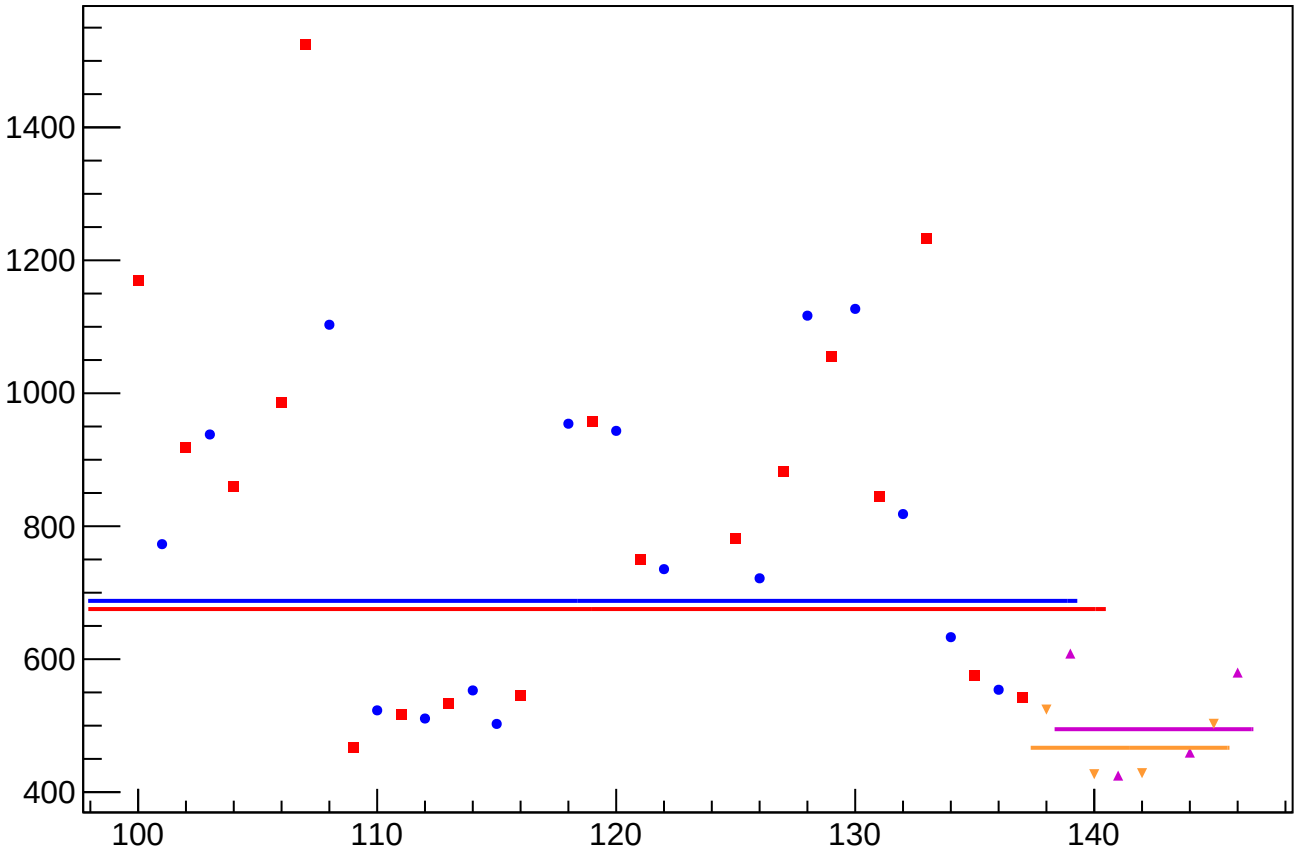
Left: 125.535+/-192.615 χ^2/NDF: 10.9/7

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

In: -113.878+/-188.643 χ^2/NDF:27.8/19

Out: 336.755+/-191.111 χ^2/NDF:21.1/21

All: 108.510+/-134.255 χ^2/NDF: 51.7/41



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

Left Out: 466.740+/-0.197 χ^2/NDF:48009.1/3

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

Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

Left: 481.295+/-0.136 χ^2/NDF: 214223.8/7

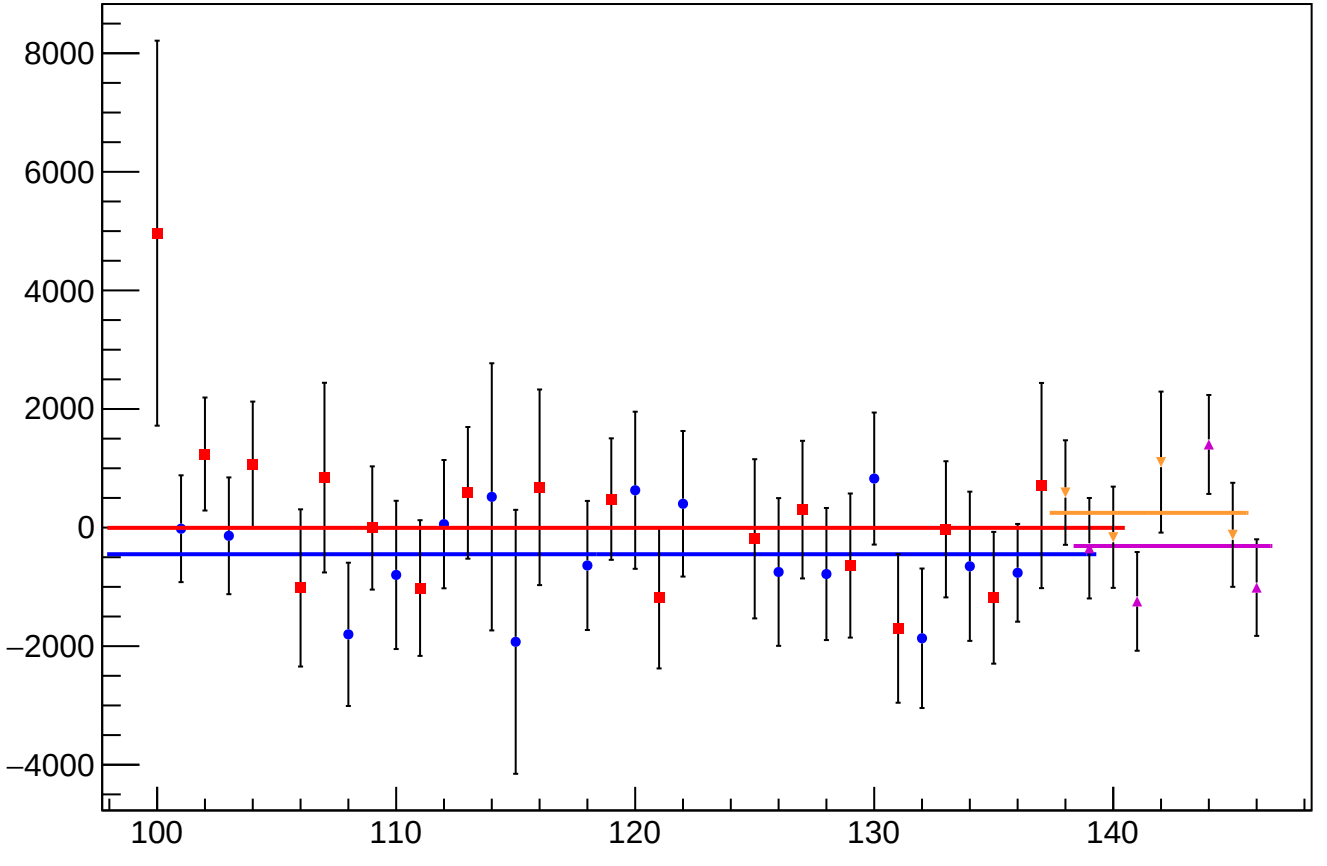
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 591.259+/-0.133 χ^2/NDF:1711181.6/19

Out: 577.002+/-0.135 χ^2/NDF:1955190.3/21

All: 584.223+/-0.095 χ^2/NDF: 3672009.5/41

overload_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 248.439+/-463.006 χ^2/NDF:1.1/3

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

Left In: -310.554+/-415.975 χ^2/NDF:6.2/3

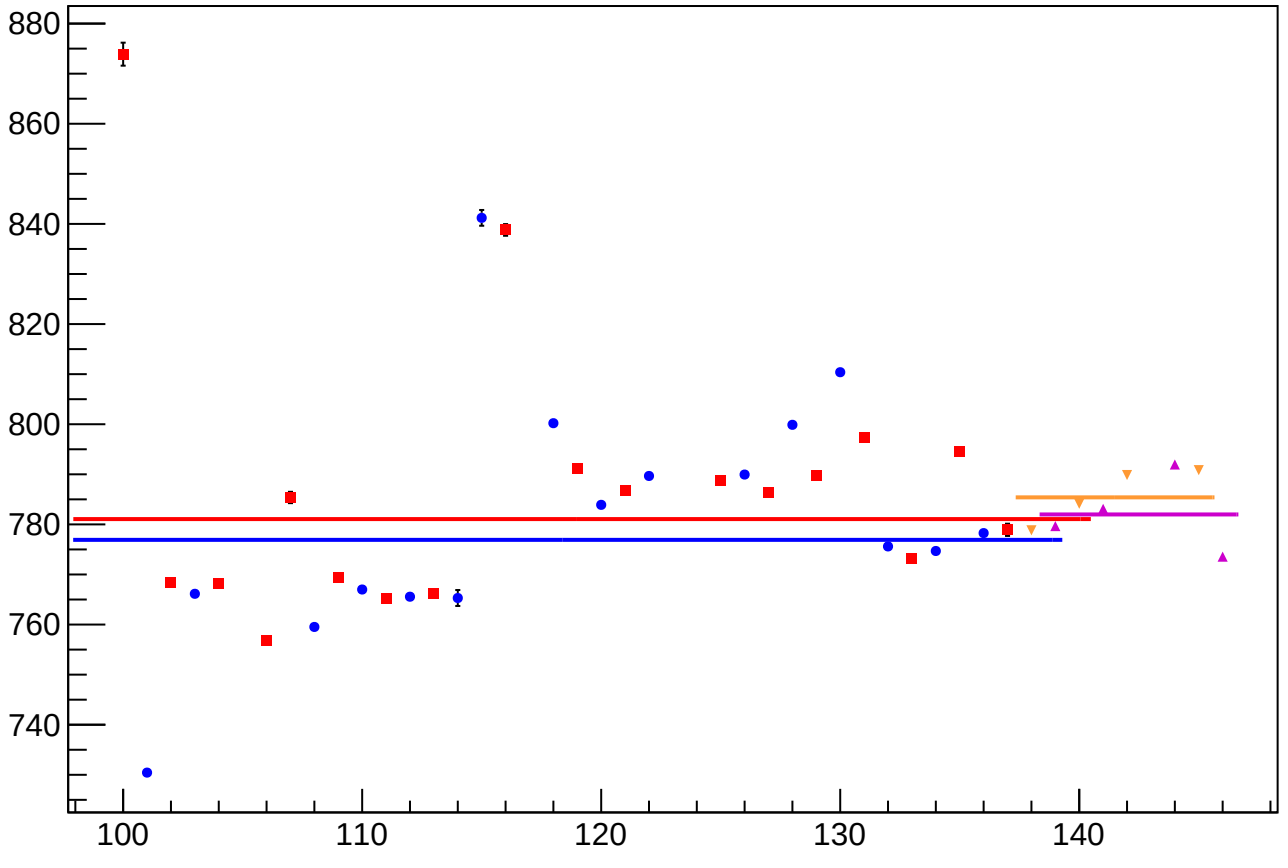
Left: -60.882+/-309.434 χ^2/NDF: 8.1/7

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

In: -404.290+/-237.158 χ^2/NDF:13.0/19

Out: 65.894+/-244.437 χ^2/NDF:13.1/21

All: -176.303+/-170.211 χ^2/NDF: 28.1/41



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

Left Out: 785.398+/-0.327 χ^2/NDF:220.6/3

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

Left In: 781.987+/-0.294 χ^2/NDF:518.5/3

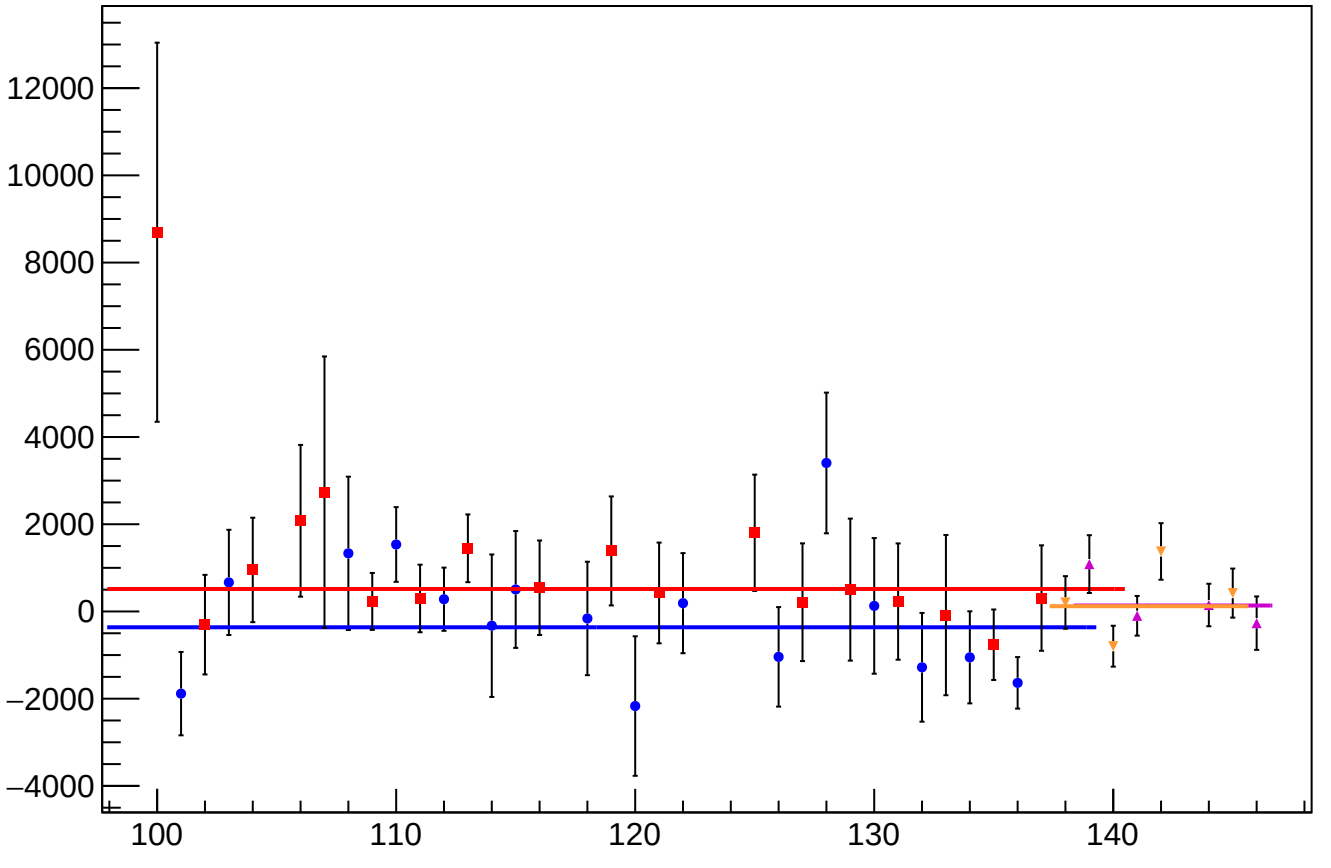
Left: 783.510+/-0.219 χ^2/NDF: 799.2/7

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

In: 778.562+/-0.168 χ^2/NDF:12842.9/19

Out: 782.270+/-0.173 χ^2/NDF:7933.0/21

All: 780.360+/-0.120 χ^2/NDF: 21012.9/41



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

Left Out: 120.318+/-279.040 χ^2/NDF:7.9/3

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

Left In: 135.982+/-267.417 χ^2/NDF:2.8/3

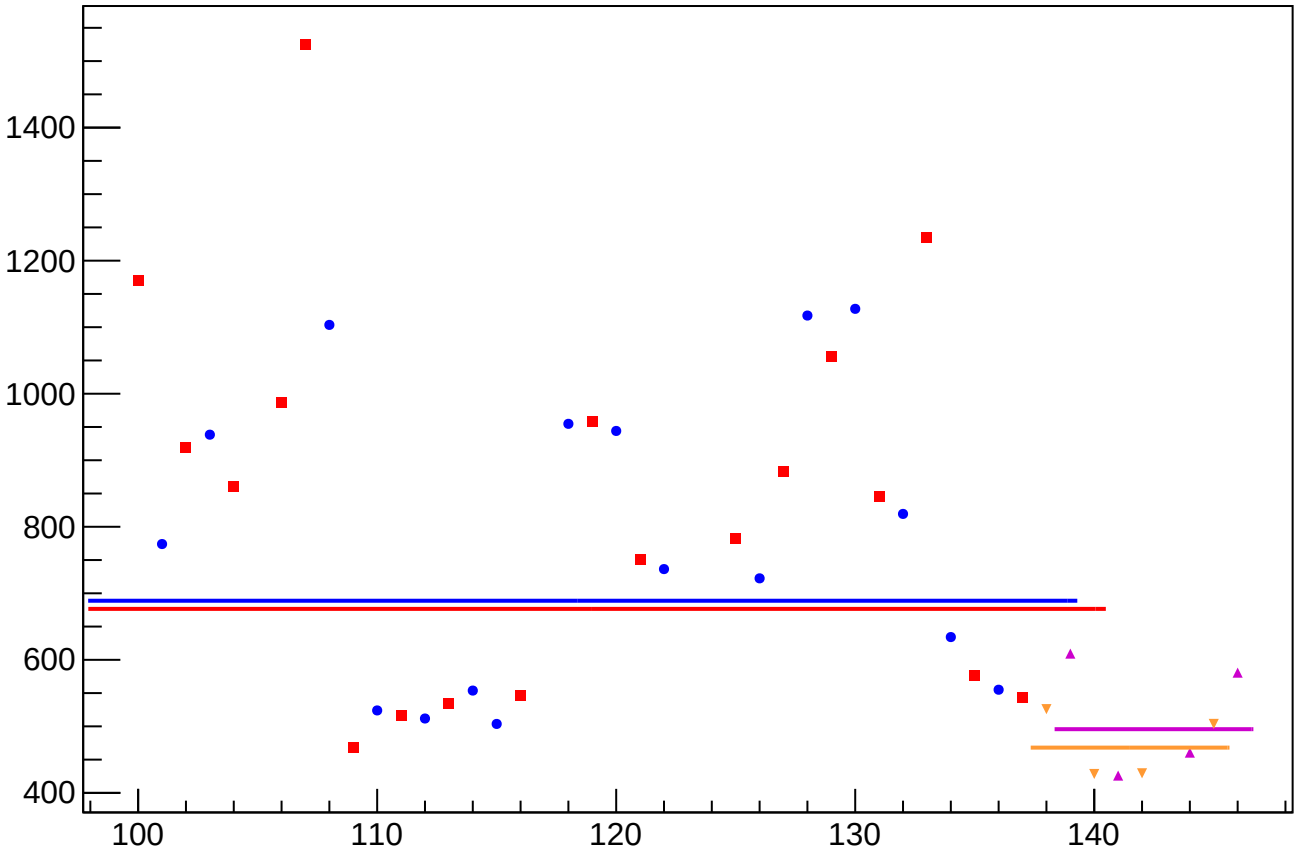
Left: 128.483+/-193.071 χ^2/NDF: 10.6/7

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

In: -113.724+/-188.975 χ^2/NDF:27.9/19

Out: 329.259+/-191.505 χ^2/NDF:20.3/21

All: 104.822+/-134.511 χ^2/NDF: 50.9/41



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

Left Out: 468.037+/-0.197 χ^2/NDF:47839.1/3

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

Left In: 495.750+/-0.189 χ^2/NDF:154724.6/3

Left: 482.483+/-0.137 χ^2/NDF: 212847.1/7

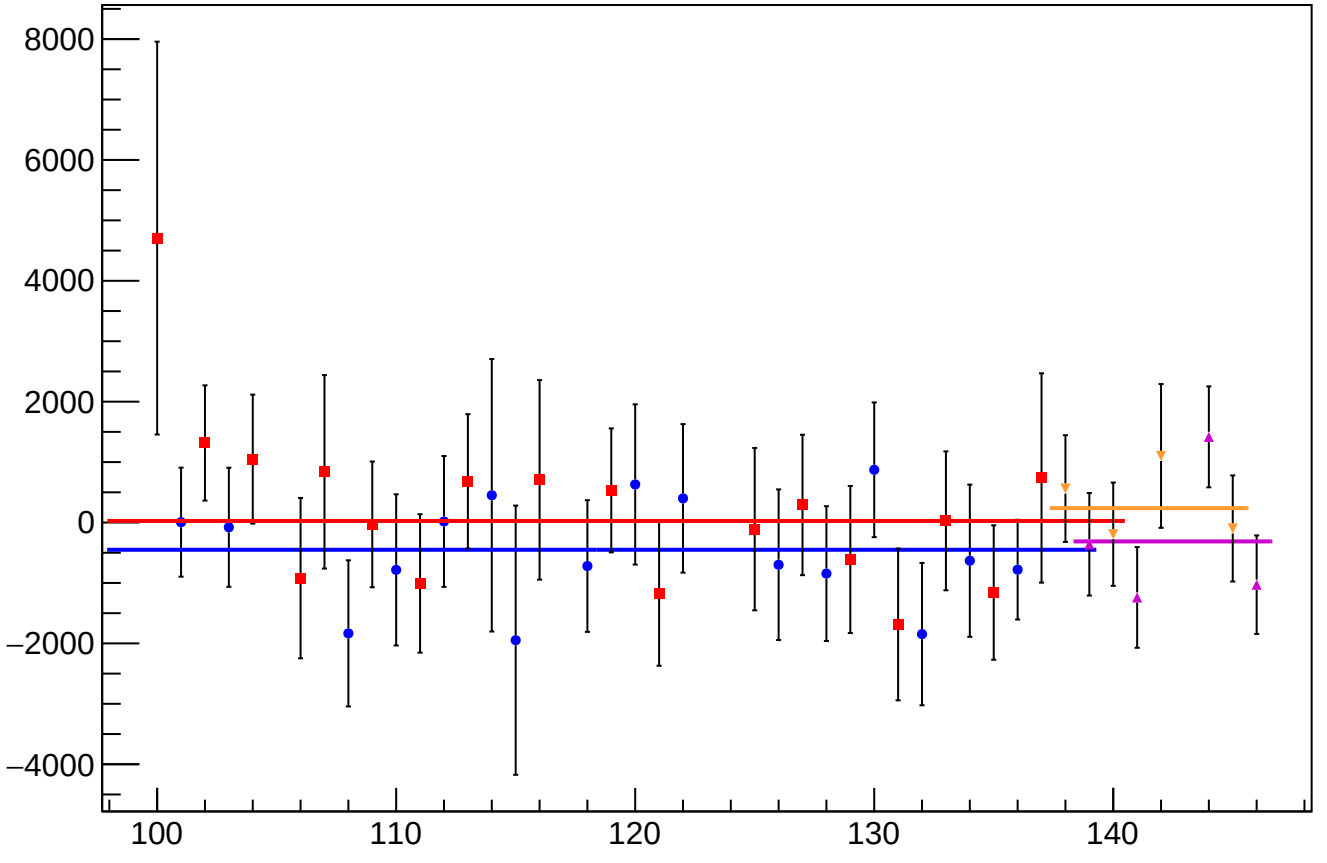
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 592.409+/-0.134 χ^2/NDF:1704789.0/19

Out: 578.351+/-0.135 χ^2/NDF:1946765.1/21

All: 585.474+/-0.095 χ^2/NDF: 3657014.9/41

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 237.846+/-463.442 χ^2/NDF:1.1/3

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

Left In: -312.528+/-416.306 χ^2/NDF:6.3/3

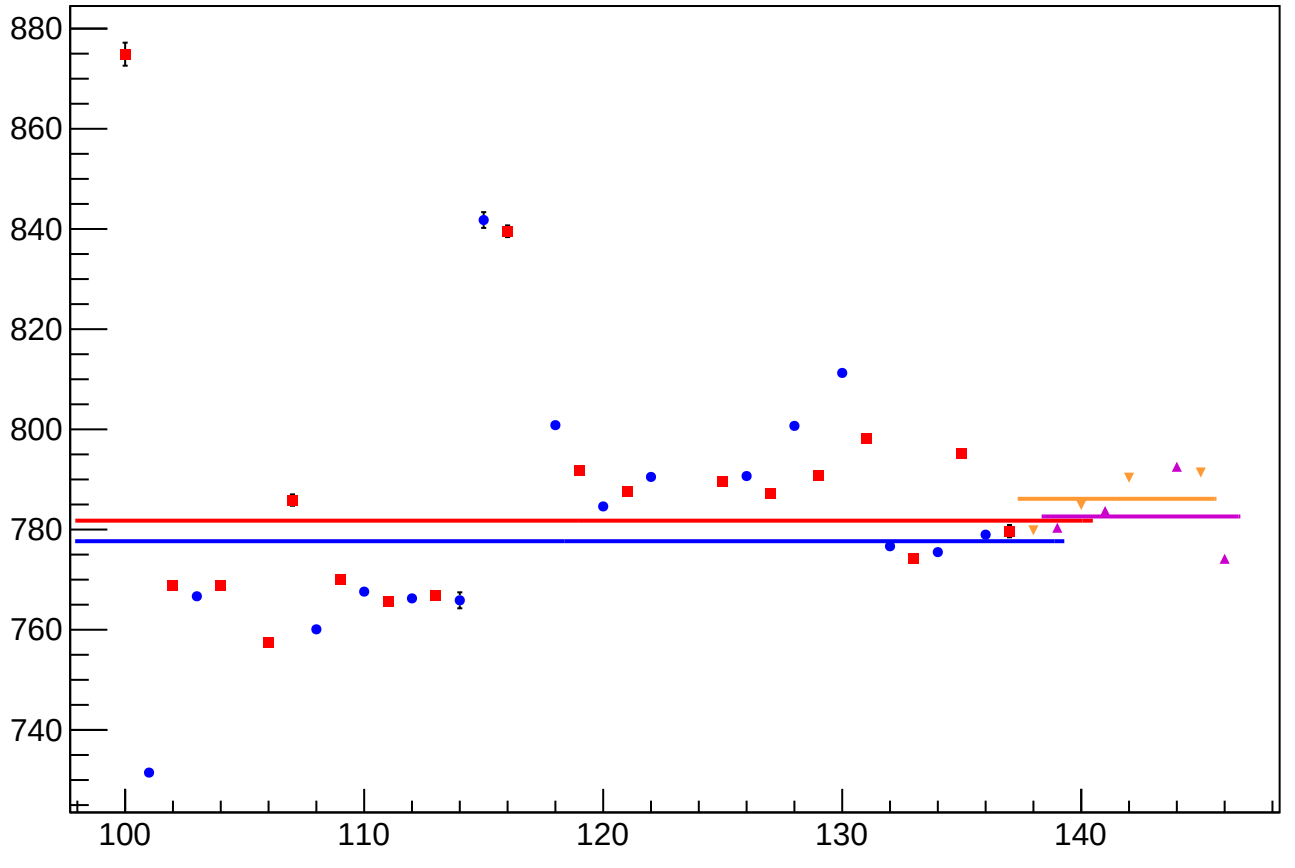
Left: -66.745+/-309.701 χ^2/NDF: 8.1/7

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

In: -405.948+/-237.375 χ^2/NDF:13.3/19

Out: 85.114+/-244.663 χ^2/NDF:12.9/21

All: -167.839+/-170.368 χ^2/NDF: 28.3/41



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

Left Out: 786.140+/-0.328 χ^2/NDF:202.4/3

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

Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

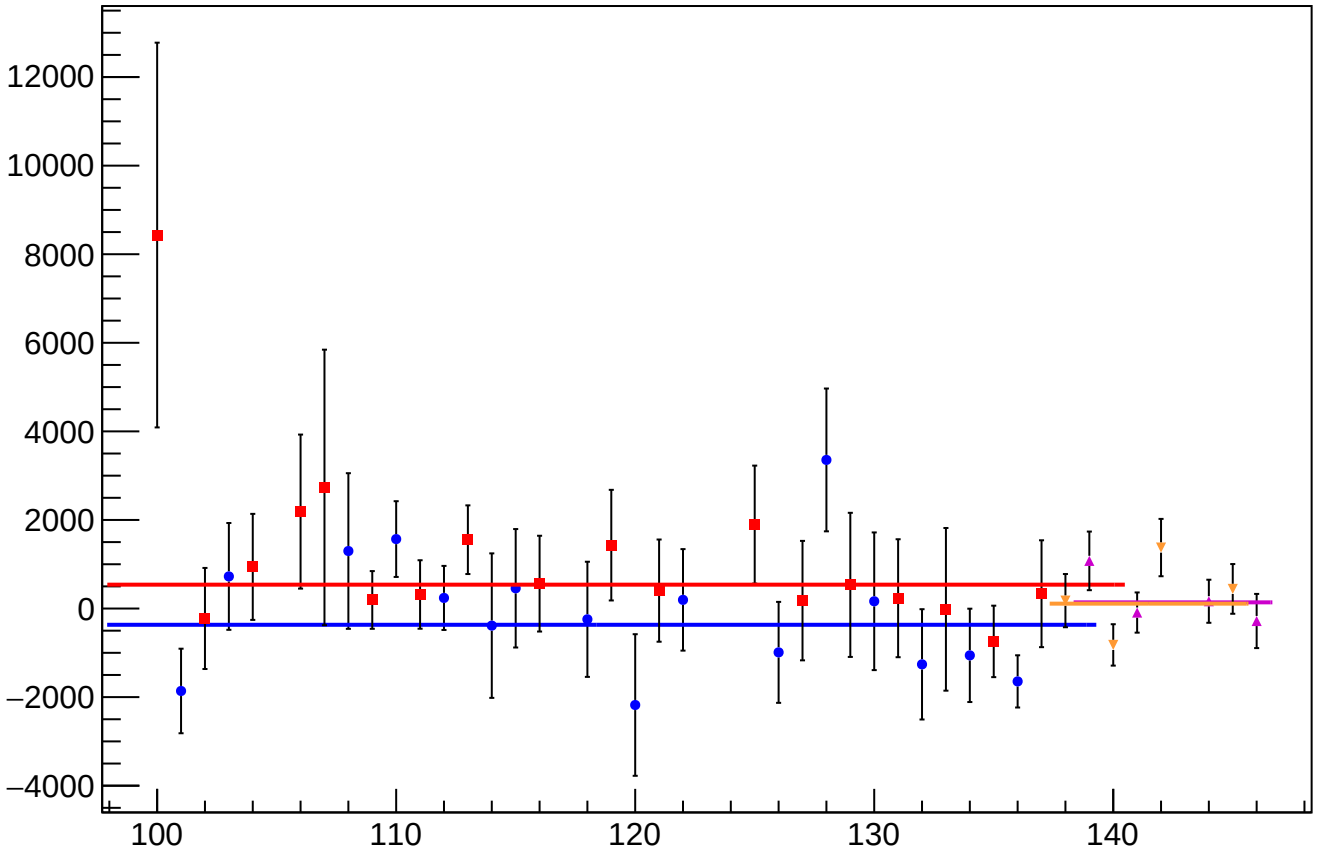
Left: 784.186+/-0.219 χ^2/NDF: 781.2/7

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

In: 779.279+/-0.168 χ^2/NDF:12759.7/19

Out: 782.993+/-0.173 χ^2/NDF:7956.6/21

All: 781.080+/-0.120 χ^2/NDF: 20953.6/41



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

Left Out: 110.275+/-278.291 χ^2/NDF:8.2/3

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

Left In: 139.569+/-266.865 χ^2/NDF:2.7/3

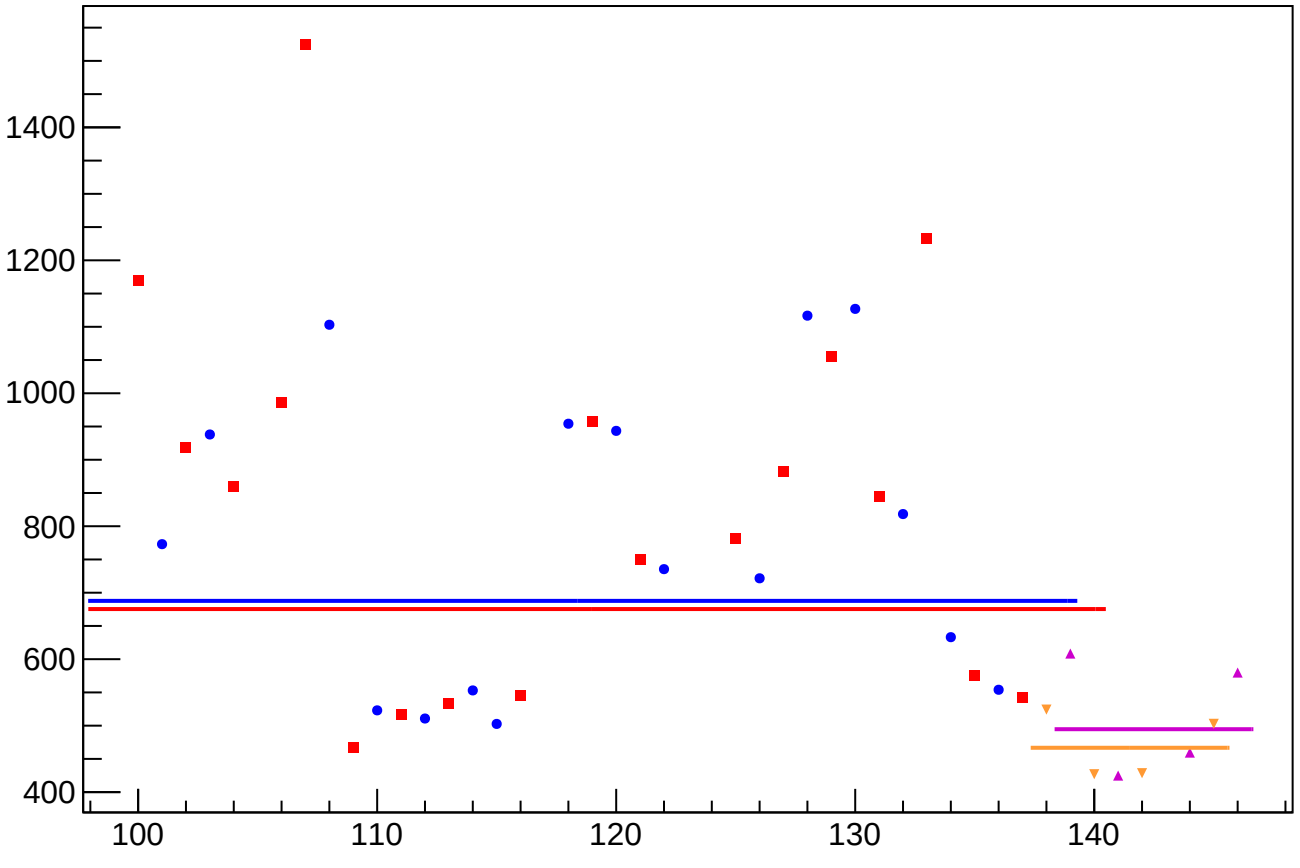
Left: 125.535+/-192.615 χ^2/NDF: 10.9/7

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

In: -113.878+/-188.643 χ^2/NDF:27.8/19

Out: 336.755+/-191.111 χ^2/NDF:21.1/21

All: 108.510+/-134.255 χ^2/NDF: 51.7/41



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

Left Out: 466.740+/-0.197 χ^2/NDF:48009.1/3

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

Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

Left: 481.295+/-0.136 χ^2/NDF: 214223.8/7

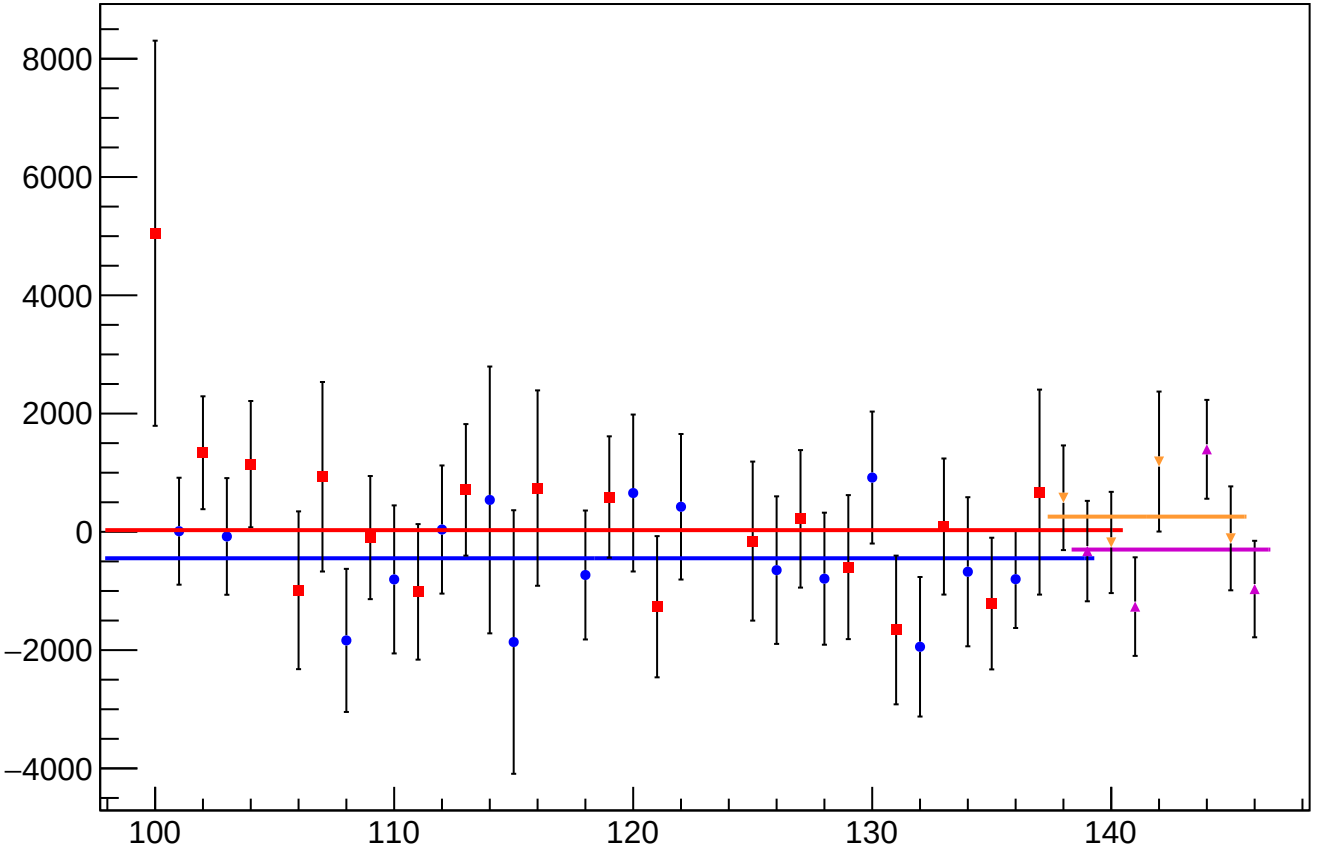
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 591.259+/-0.133 χ^2/NDF:1711181.6/19

Out: 577.002+/-0.135 χ^2/NDF:1955190.3/21

All: 584.223+/-0.095 χ^2/NDF: 3672009.5/41

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 257.318+/-463.697 χ^2/NDF:1.2/3

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

Left In: -299.554+/-416.684 χ^2/NDF:6.1/3

Left: -50.771+/-309.933 χ^2/NDF: 8.1/7

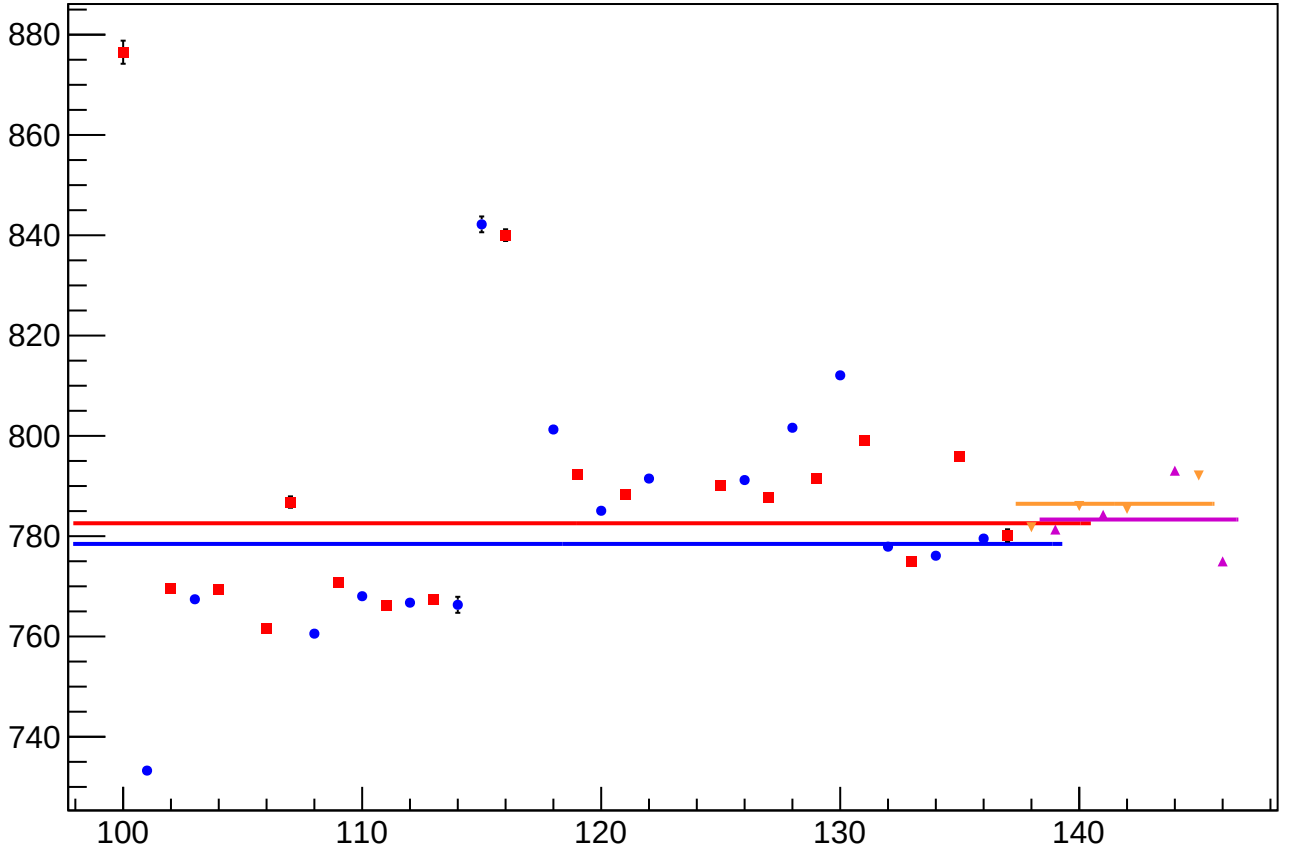
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -398.826+/-237.605 χ^2/NDF:13.5/19

Out: 92.523+/-244.880 χ^2/NDF:14.0/21

All: -160.558+/-170.526 χ^2/NDF: 29.6/41

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 786.457+/-0.328 χ^2/NDF:140.3/3

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

Left In: 783.321+/-0.295 χ^2/NDF:494.2/3

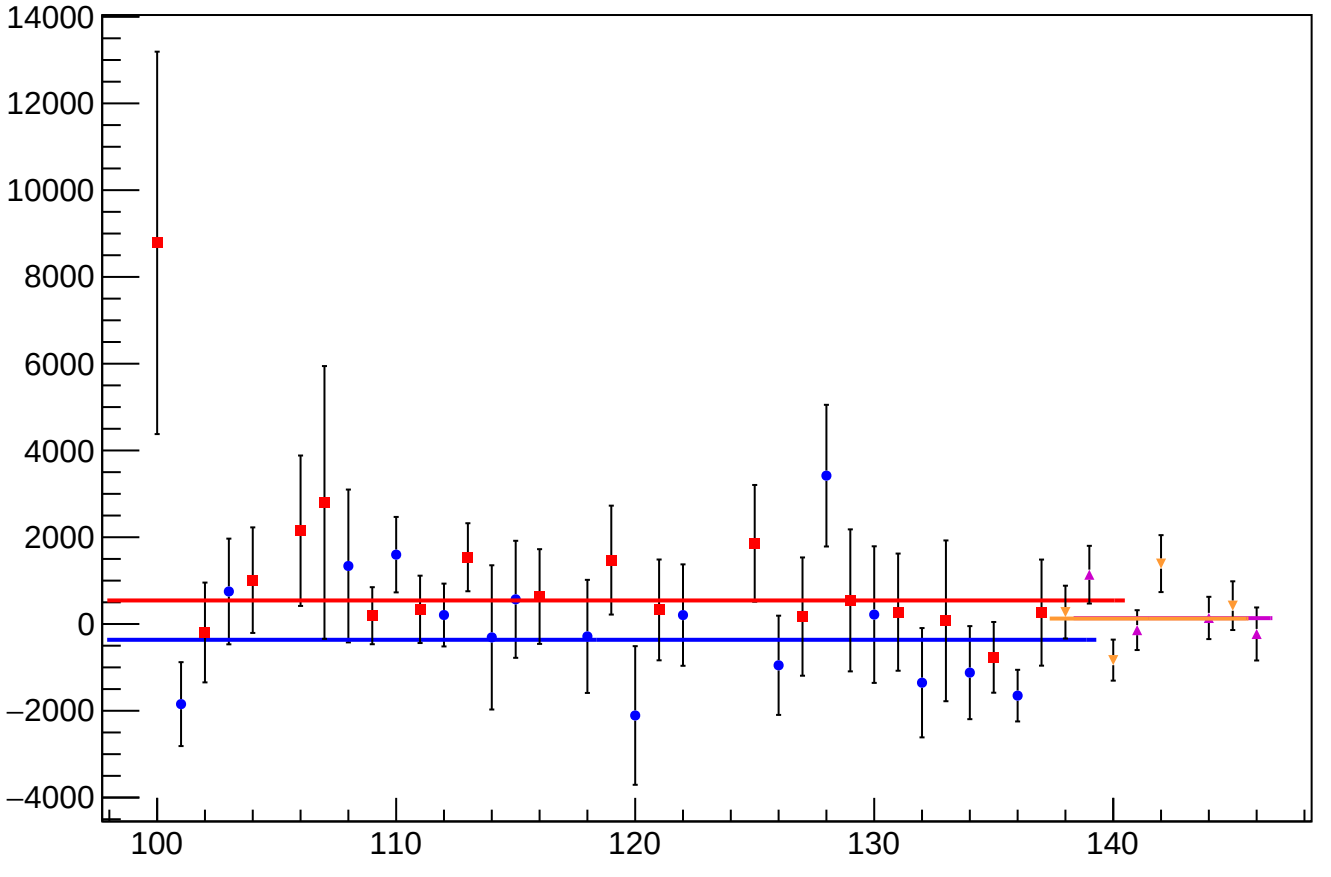
Left: 784.722+/-0.219 χ^2/NDF: 685.2/7

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

In: 780.038+/-0.168 χ^2/NDF:12473.5/19

Out: 783.658+/-0.173 χ^2/NDF:7722.9/21

All: 781.793+/-0.121 χ^2/NDF: 20421.4/41



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

Left Out: 125.447+/-280.945 χ^2/NDF:8.2/3

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

Left In: 134.881+/-268.295 χ^2/NDF:3.0/3

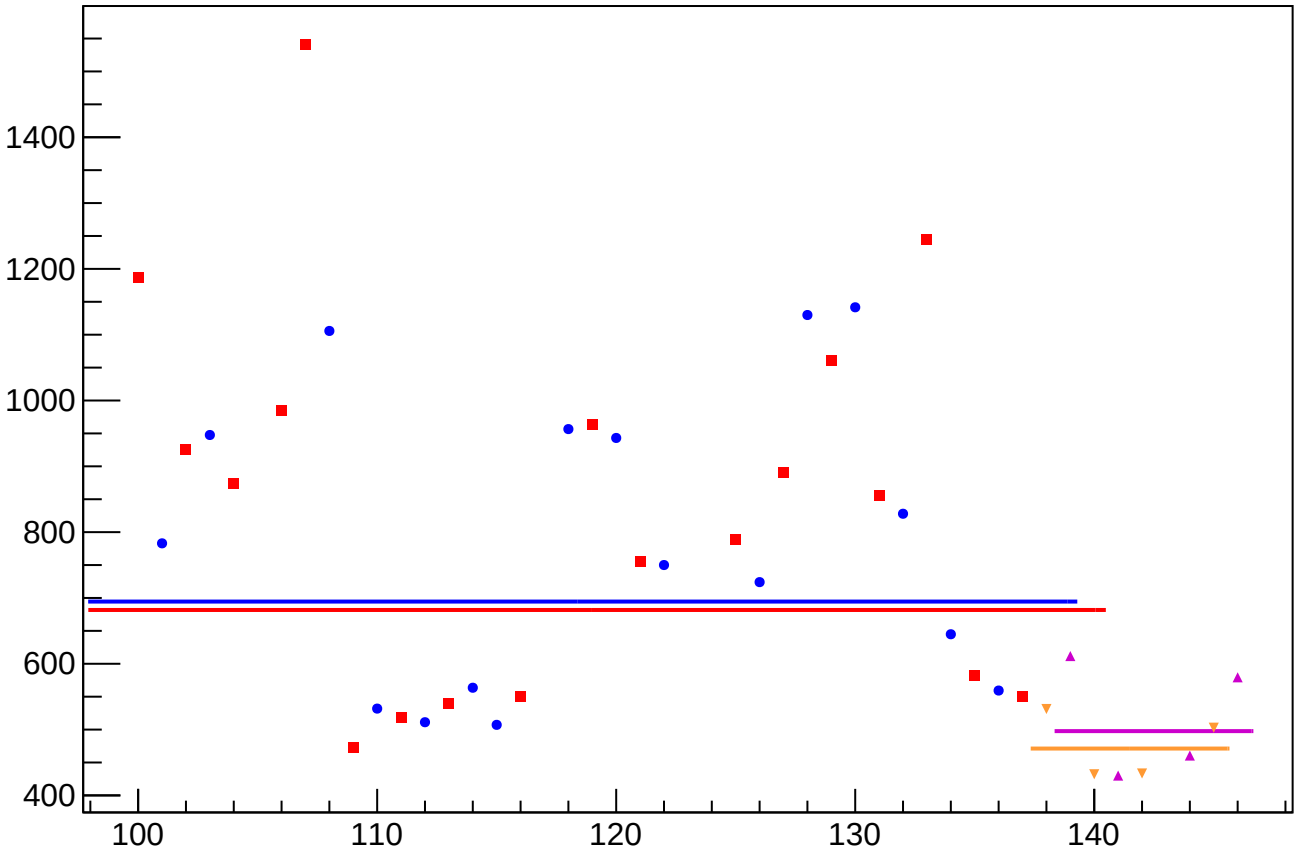
Left: 130.381+/-194.031 χ^2/NDF: 11.2/7

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

In: -113.601+/-190.073 χ^2/NDF:28.0/19

Out: 346.130+/-192.879 χ^2/NDF:21.1/21

All: 112.896+/-135.383 χ^2/NDF: 52.0/41



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

Left Out: 471.189+/-0.199 χ^2/NDF:46203.2/3

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

Left In: 497.675+/-0.190 χ^2/NDF:149514.8/3

Left: 485.041+/-0.137 χ^2/NDF: 205015.0/7

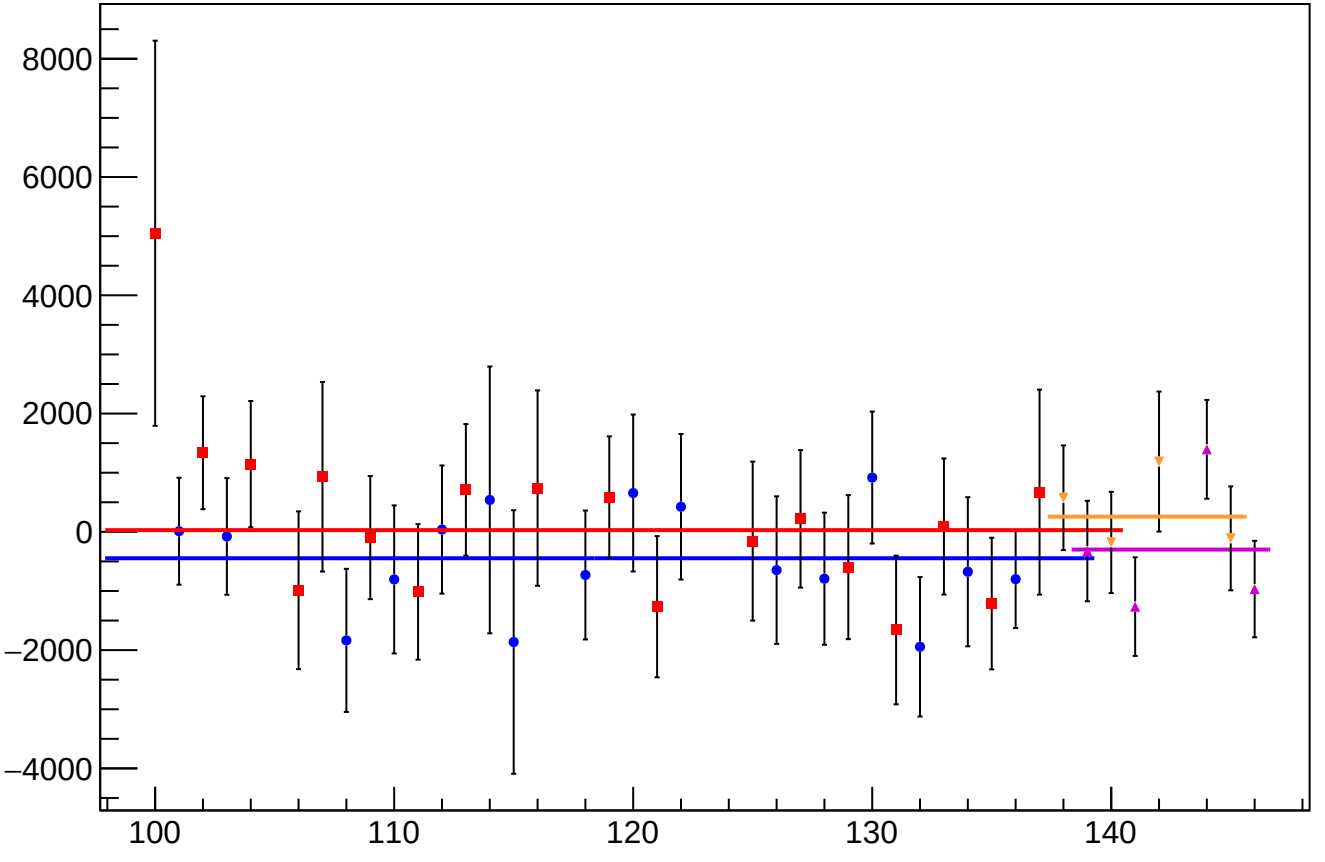
Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

In: 595.725+/-0.134 χ^2/NDF:1715669.9/19

Out: 582.502+/-0.136 χ^2/NDF:1951408.5/21

All: 589.210+/-0.096 χ^2/NDF: 3671846.6/41

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 257.317+/-463.697 χ^2/NDF:1.2/3

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

Left In: -299.552+/-416.684 χ^2/NDF:6.1/3

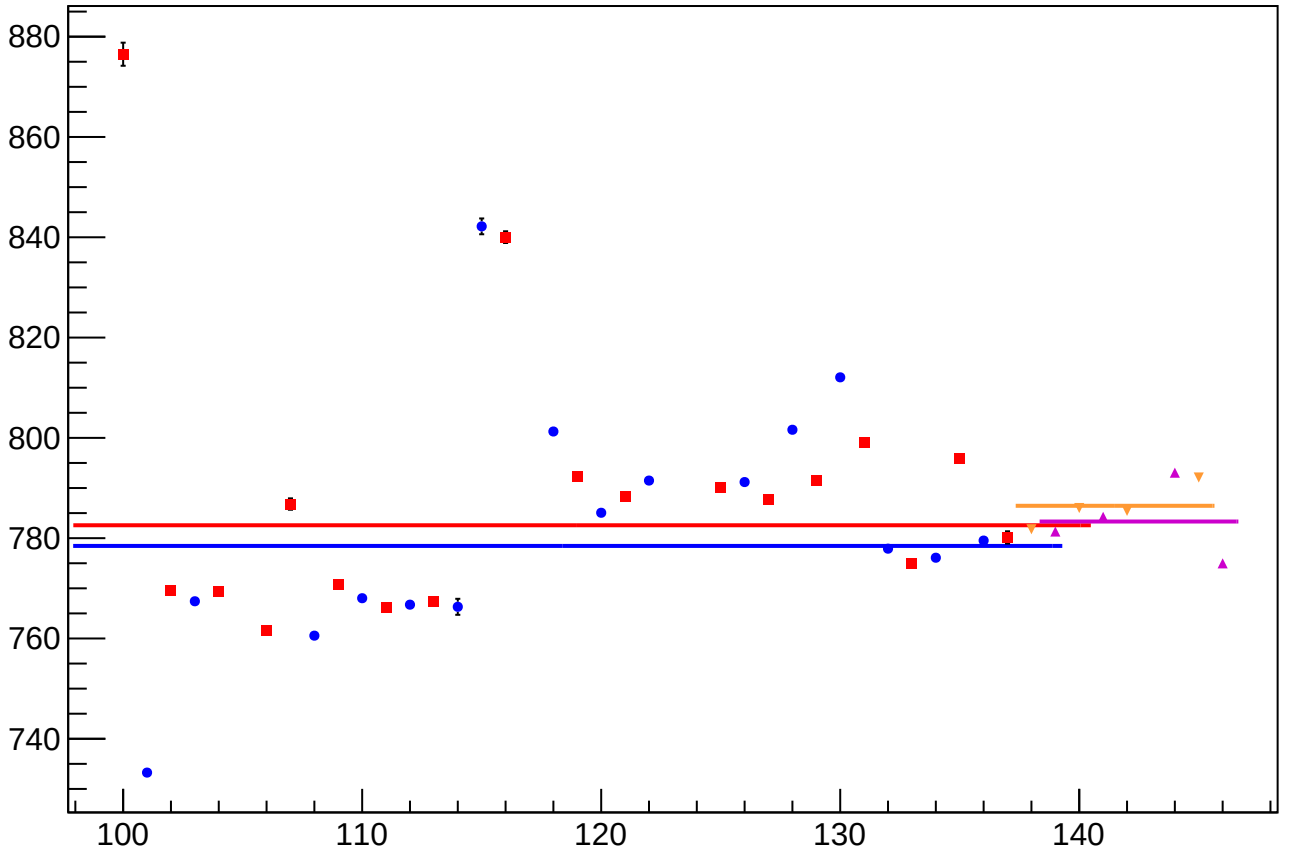
Left: -50.770+/-309.933 χ^2/NDF: 8.1/7

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

In: -398.825+/-237.605 χ^2/NDF:13.5/19

Out: 92.521+/-244.880 χ^2/NDF:14.0/21

All: -160.559+/-170.526 χ^2/NDF: 29.6/41



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

Left Out: 786.457+/-0.328 χ^2/NDF:140.3/3

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

Left In: 783.321+/-0.295 χ^2/NDF:494.2/3

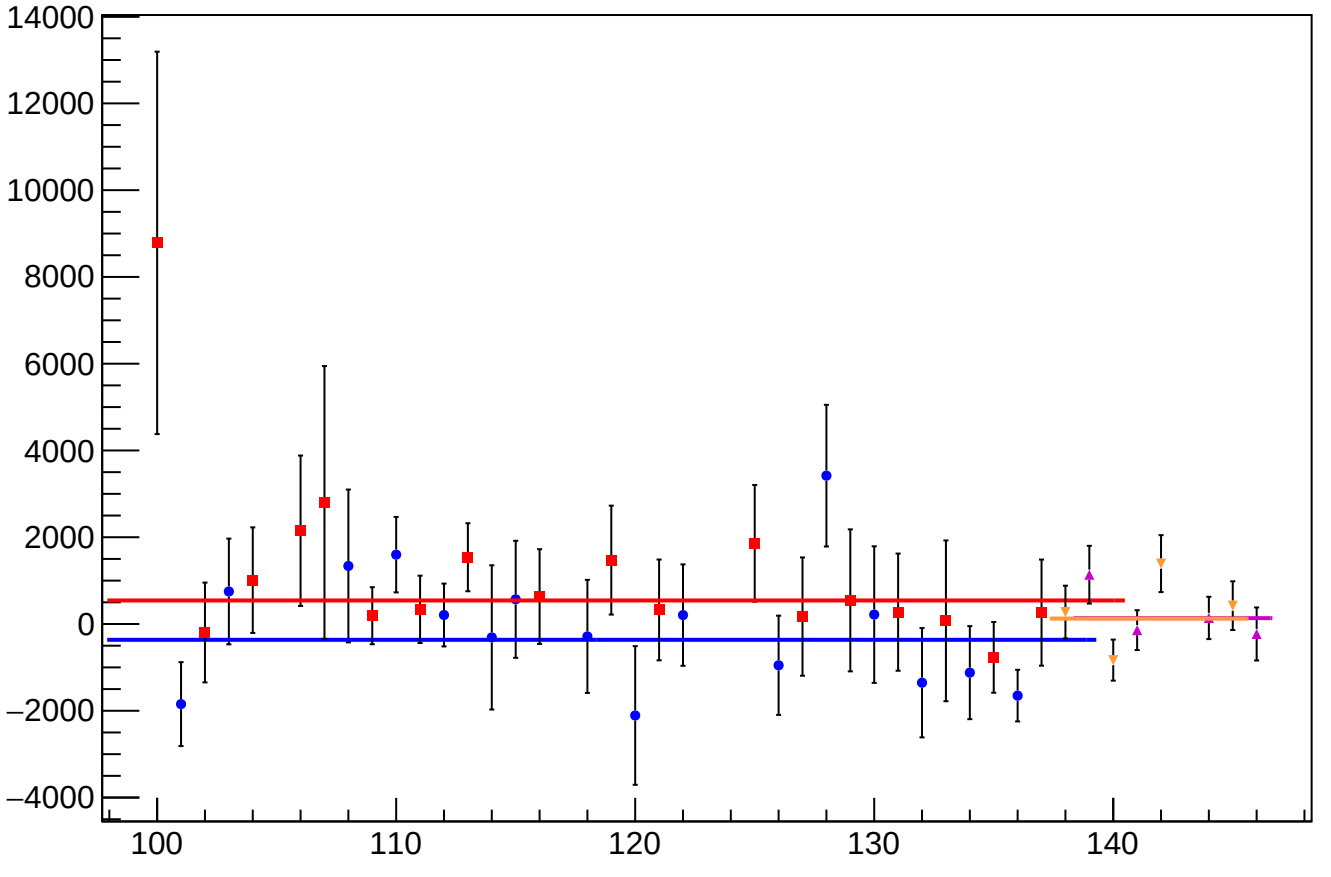
Left: 784.722+/-0.219 χ^2/NDF: 685.2/7

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

In: 780.038+/-0.168 χ^2/NDF:12473.4/19

Out: 783.658+/-0.173 χ^2/NDF:7722.8/21

All: 781.793+/-0.121 χ^2/NDF: 20421.4/41



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

Left Out: 125.444+/-280.945 χ^2/NDF:8.2/3

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

Left In: 134.879+/-268.294 χ^2/NDF:3.0/3

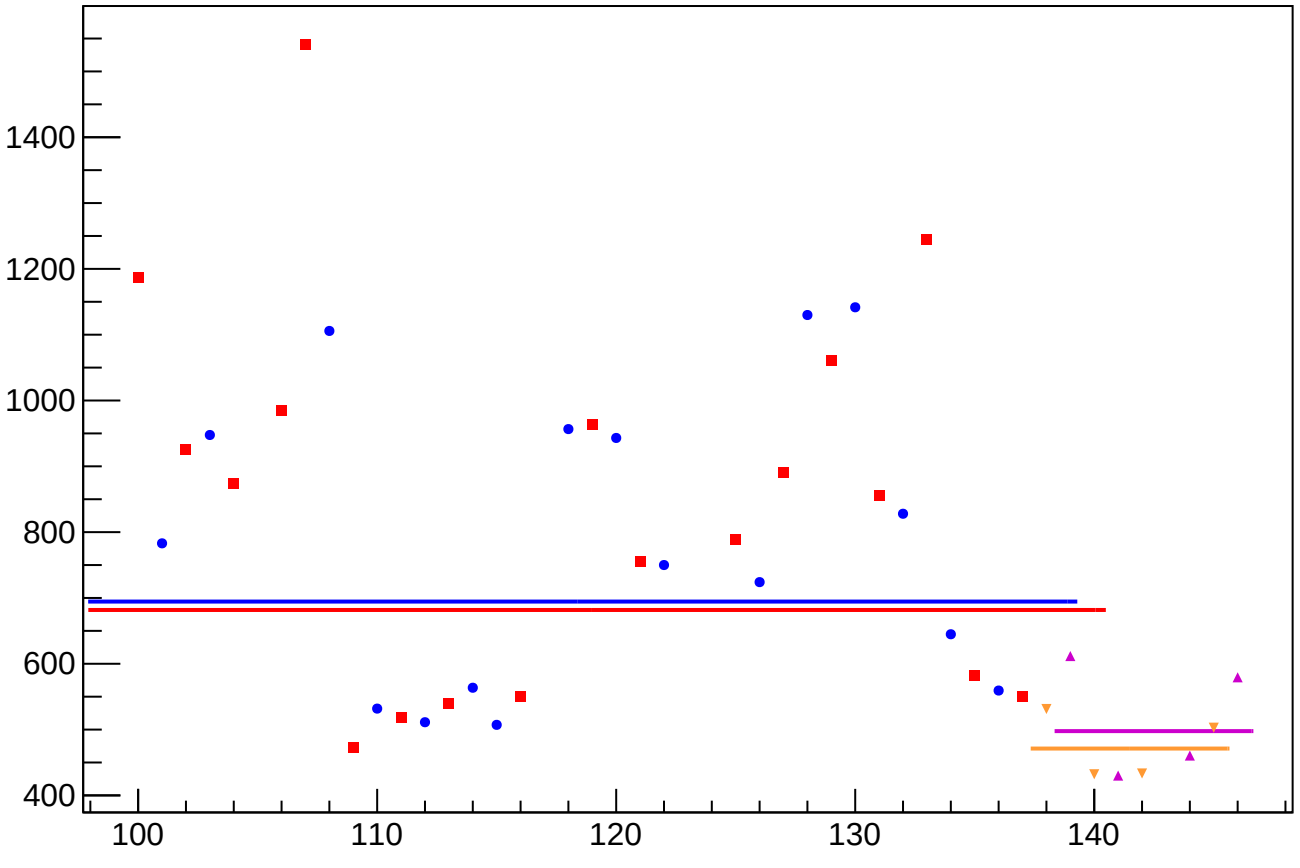
Left: 130.379+/-194.031 χ^2/NDF: 11.2/7

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

In: -113.600+/-190.072 χ^2/NDF:28.0/19

Out: 346.129+/-192.879 χ^2/NDF:21.1/21

All: 112.896+/-135.383 χ^2/NDF: 52.0/41



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

Left Out: 471.188+/-0.199 χ^2/NDF:46207.5/3

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

Left In: 497.674+/-0.190 χ^2/NDF:149521.7/3

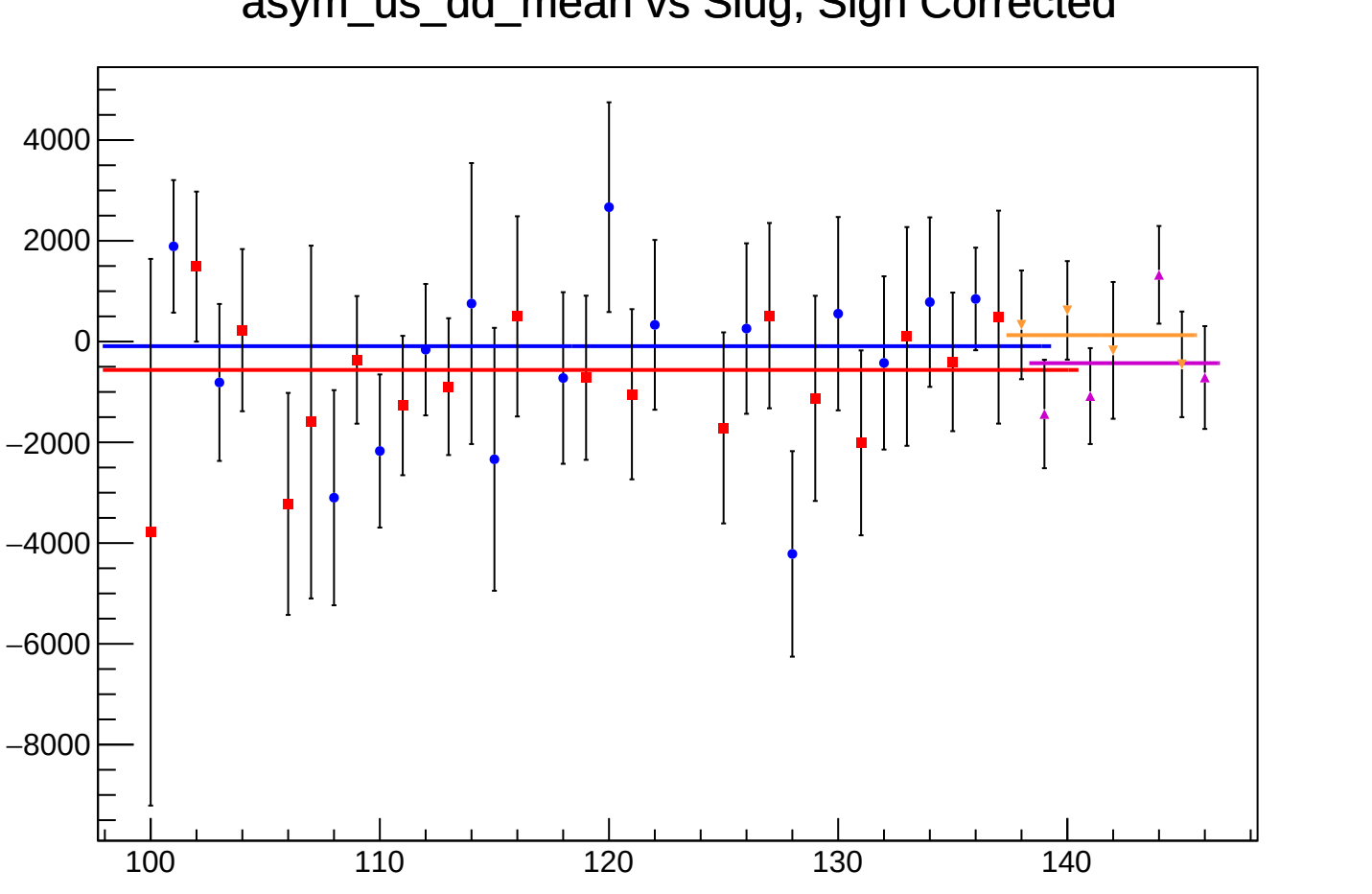
Left: 485.041+/-0.137 χ^2/NDF: 205026.2/7

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

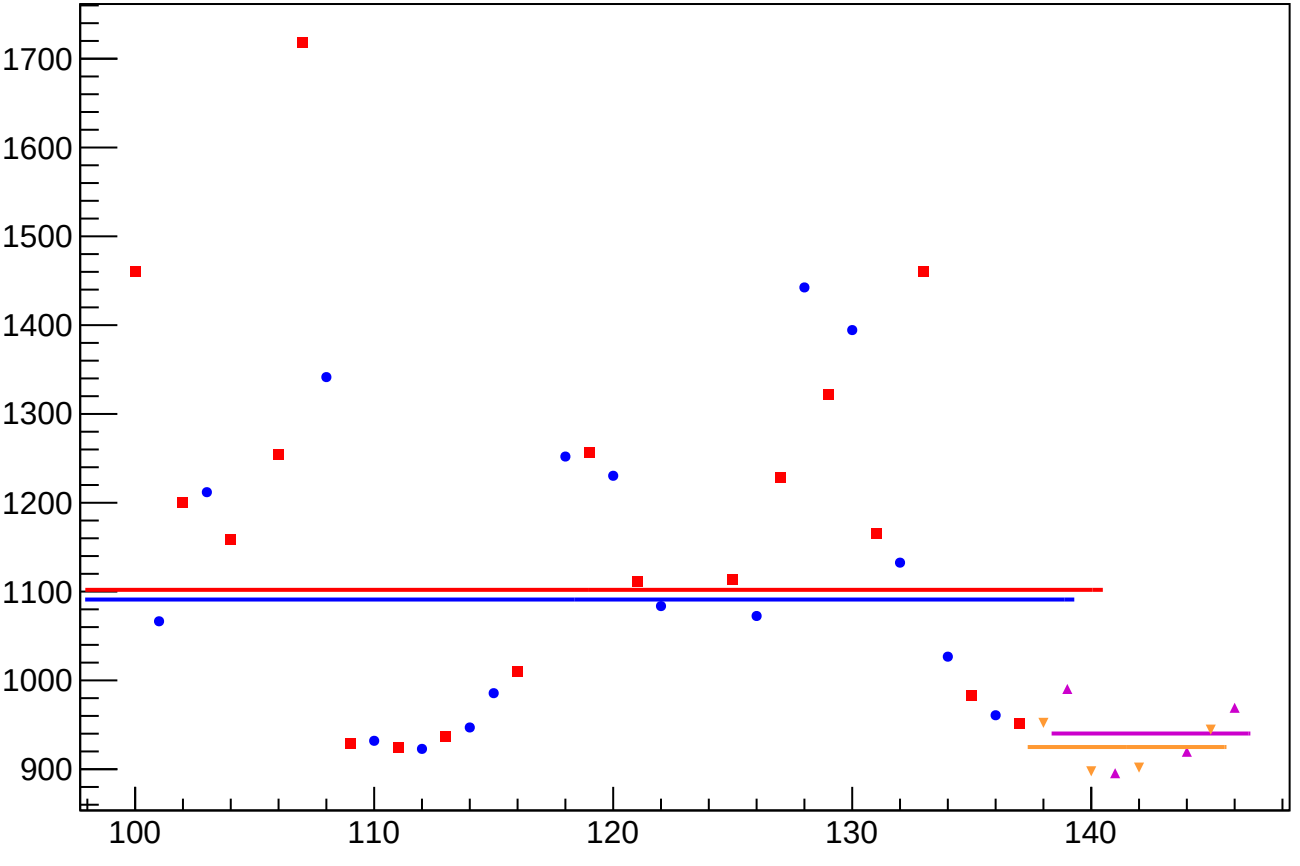
In: 595.723+/-0.134 χ^2/NDF:1715675.7/19

Out: 582.501+/-0.136 χ^2/NDF:1951421.9/21

All: 589.209+/-0.096 χ^2/NDF: 3671866.0/41


asym_us_dd_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
Right In: -91.305+/-409.957 χ²/NDF: 14.5/15
Left Out: 127.455+/-545.749 χ²/NDF:0.6/3
Right Out: -563.292+/-411.565 χ²/NDF: 6.5/17
Left In: -428.502+/-500.616 χ²/NDF:4.7/3
Left: -174.459+/-368.915 χ²/NDF: 5.9/7
Right: -326.374+/-290.450 χ²/NDF: 21.7/33
In: -226.661+/-317.177 χ²/NDF:19.5/19
Out: -312.873+/-328.600 χ²/NDF:8.2/21
All: -268.242+/-228.209 χ²/NDF: 27.7/41

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 924.967+/-0.386 χ^2/NDF:4116.1/3

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

Left In: 940.188+/-0.354 χ^2/NDF:11264.0/3

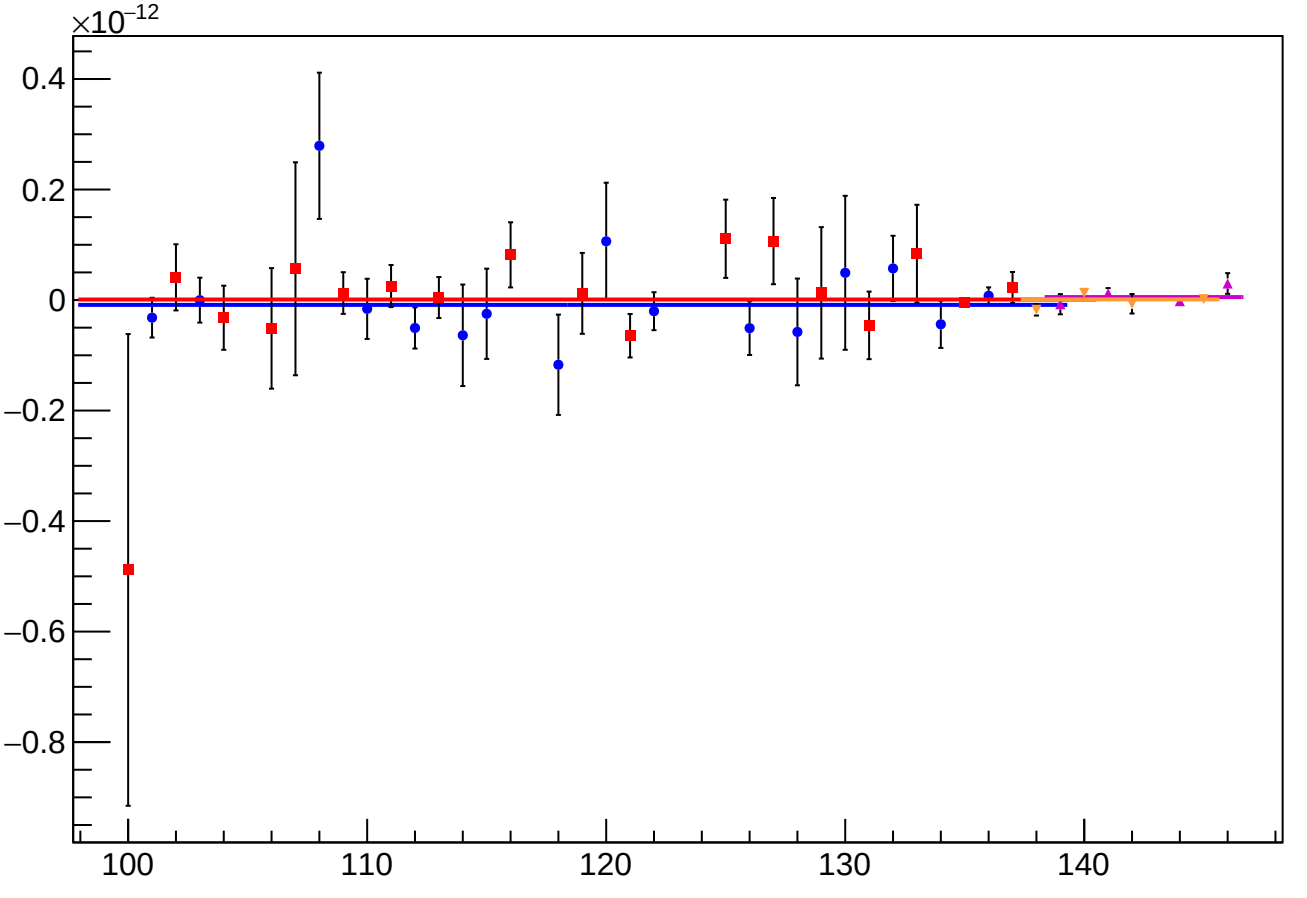
Left: 933.233+/-0.261 χ^2/NDF: 16224.9/7

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

In: 1030.486+/-0.224 χ^2/NDF:397275.7/19

Out: 1037.790+/-0.232 χ^2/NDF:466307.8/21

All: 1034.009+/-0.161 χ^2/NDF: 864095.0/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/3

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

Left In: 0.000+/-0.000 χ^2/NDF:3.5/3

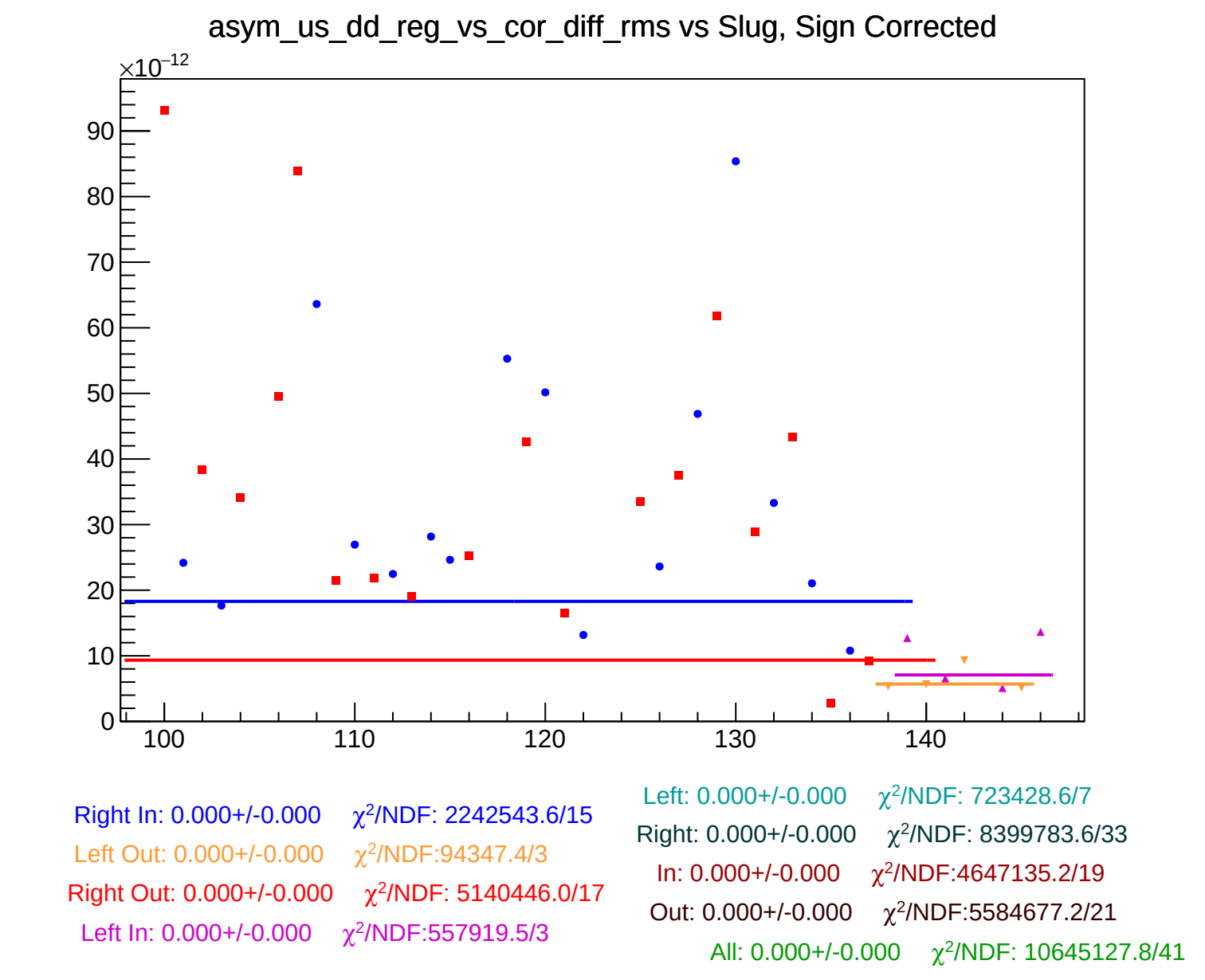
Left: 0.000+/-0.000 χ^2/NDF: 9.8/7

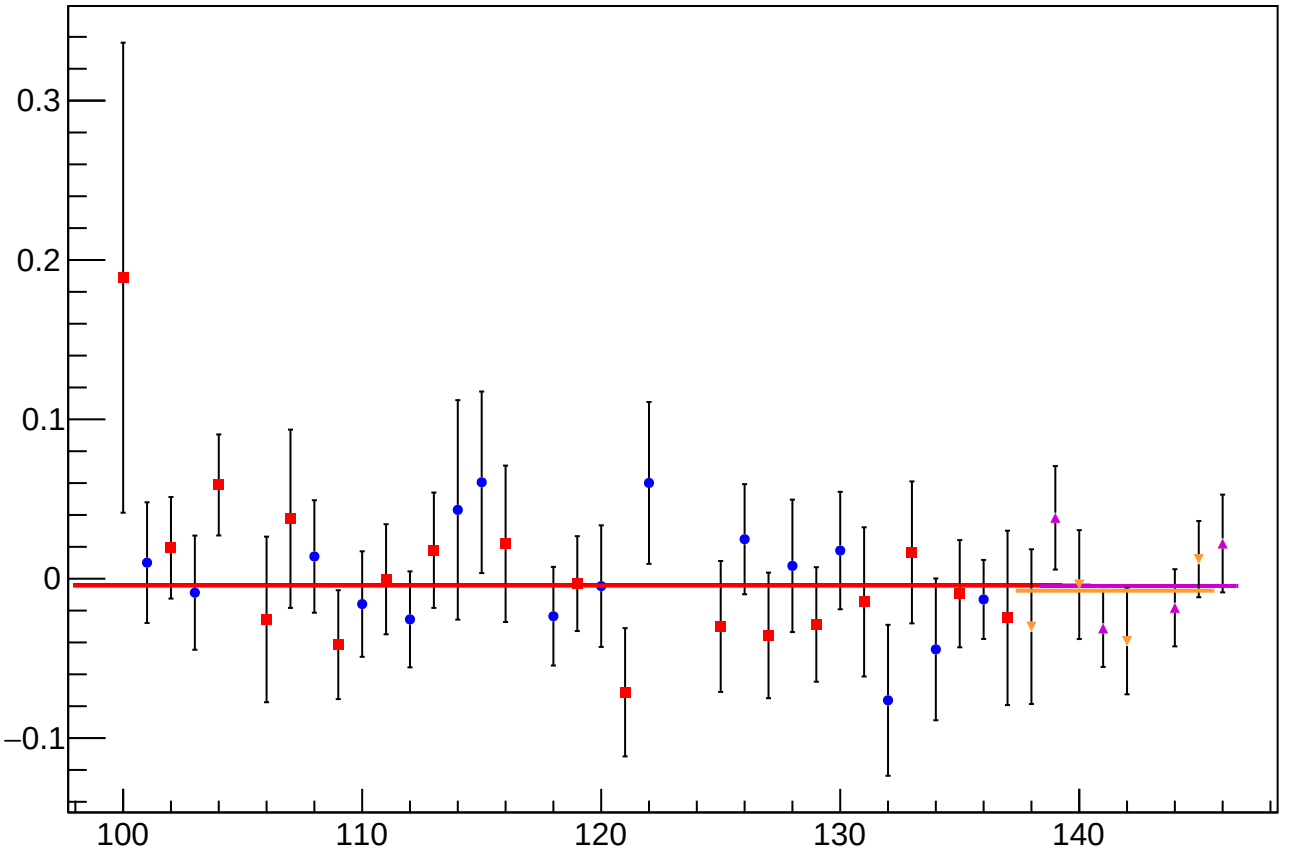
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:18.8/19

Out: 0.000+/-0.000 χ^2/NDF:20.2/21

All: 0.000+/-0.000 χ^2/NDF: 39.1/41


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
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:94347.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:557919.5/3
Left: 0.000+/-0.000 χ²/NDF: 723428.6/7
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:4647135.2/19
Out: 0.000+/-0.000 χ²/NDF:5584677.2/21
All: 0.000+/-0.000 χ²/NDF: 10645127.8/41



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

Left Out: -0.007+/-0.016 χ^2/NDF:1.8/3

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

Left In: -0.005+/-0.014 χ^2/NDF:4.0/3

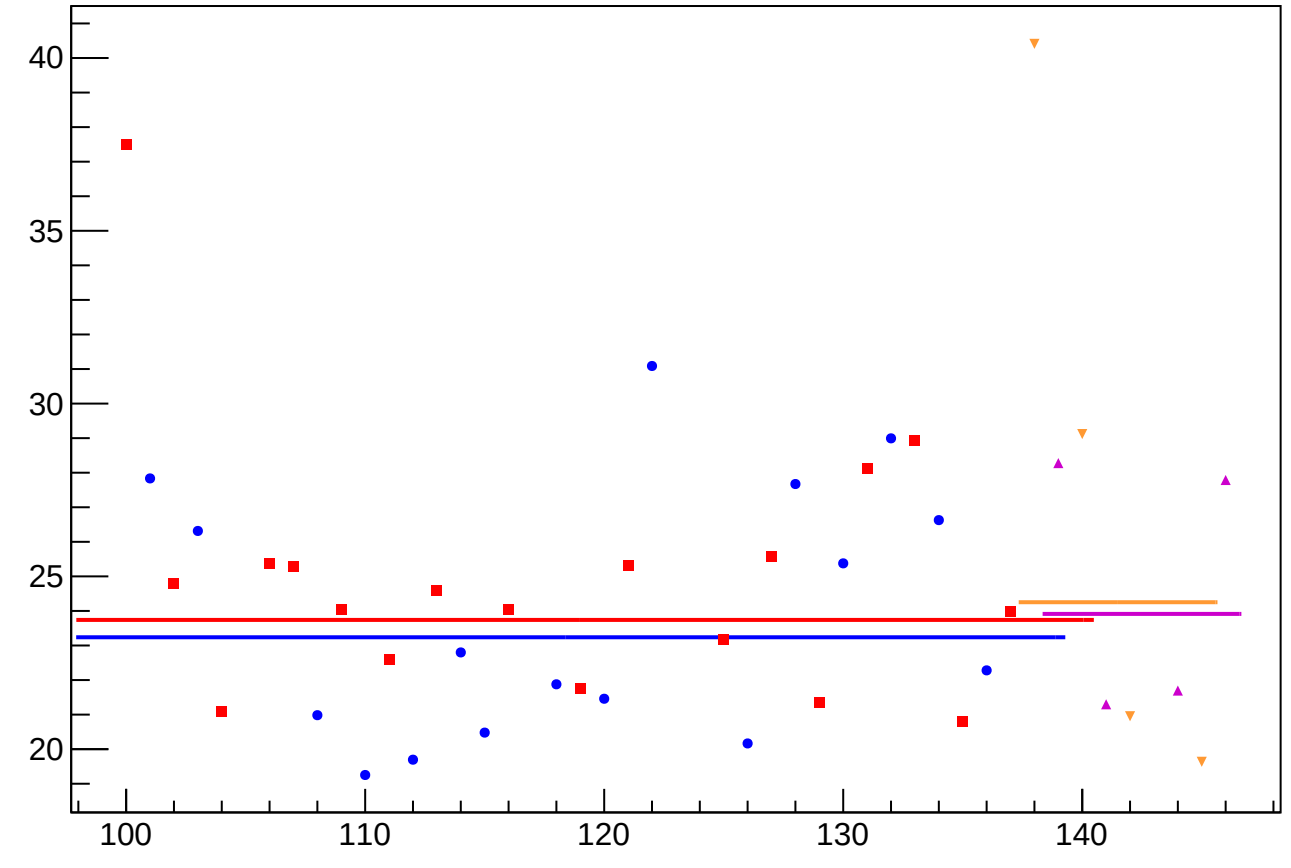
Left: -0.006+/-0.010 χ^2/NDF: 5.8/7

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

In: -0.004+/-0.008 χ^2/NDF:13.2/19

Out: -0.005+/-0.008 χ^2/NDF:15.3/21

All: -0.005+/-0.006 χ^2/NDF: 28.6/41



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

Left Out: 24.252+/-0.011 χ^2/NDF:355960.4/3

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

Left In: 23.914+/-0.010 χ^2/NDF:108197.4/3

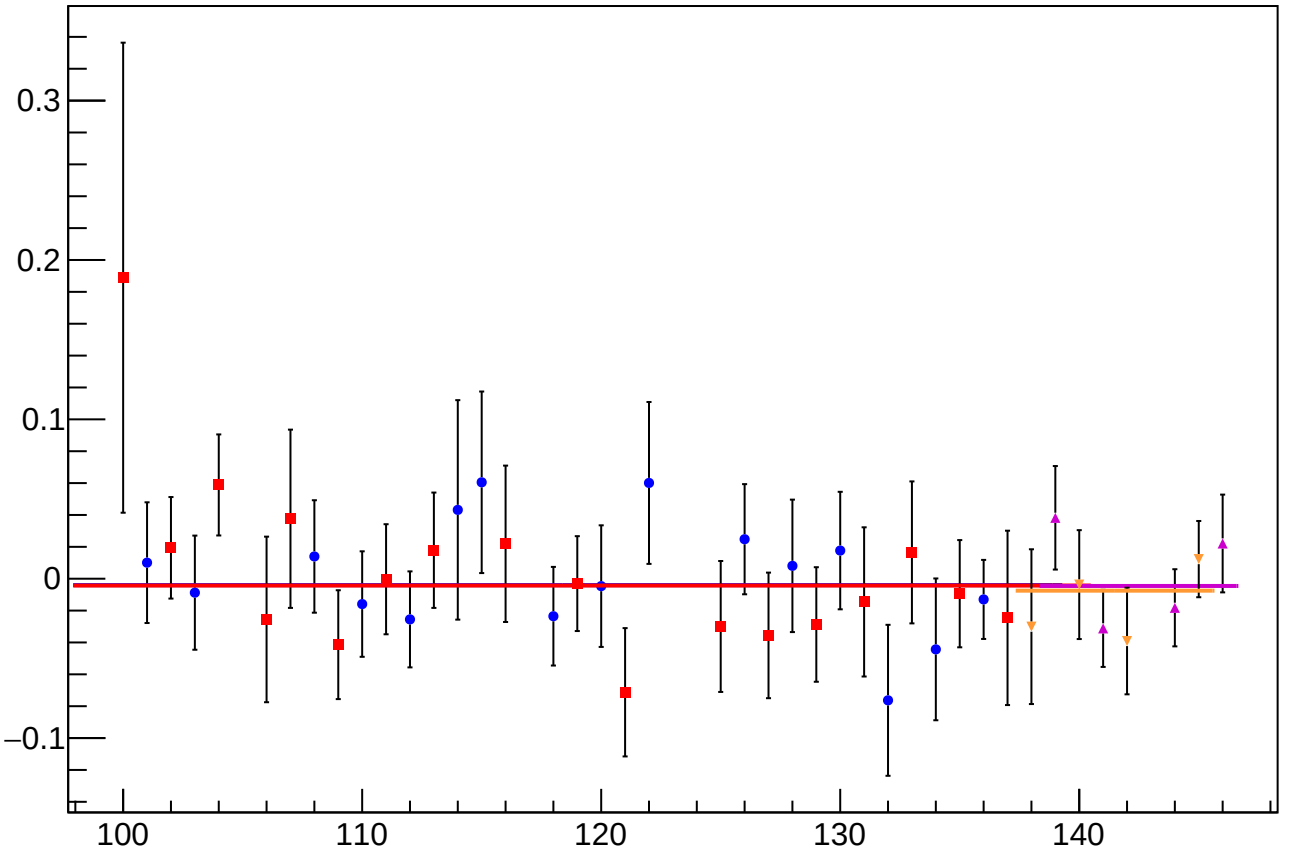
Left: 24.056+/-0.007 χ^2/NDF: 464678.3/7

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

In: 23.453+/-0.005 χ^2/NDF:370819.7/19

Out: 23.870+/-0.006 χ^2/NDF:483678.4/21

All: 23.651+/-0.004 χ^2/NDF: 857327.1/41



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

Left Out: -0.007+/-0.016 χ^2/NDF:1.8/3

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

Left In: -0.005+/-0.014 χ^2/NDF:4.0/3

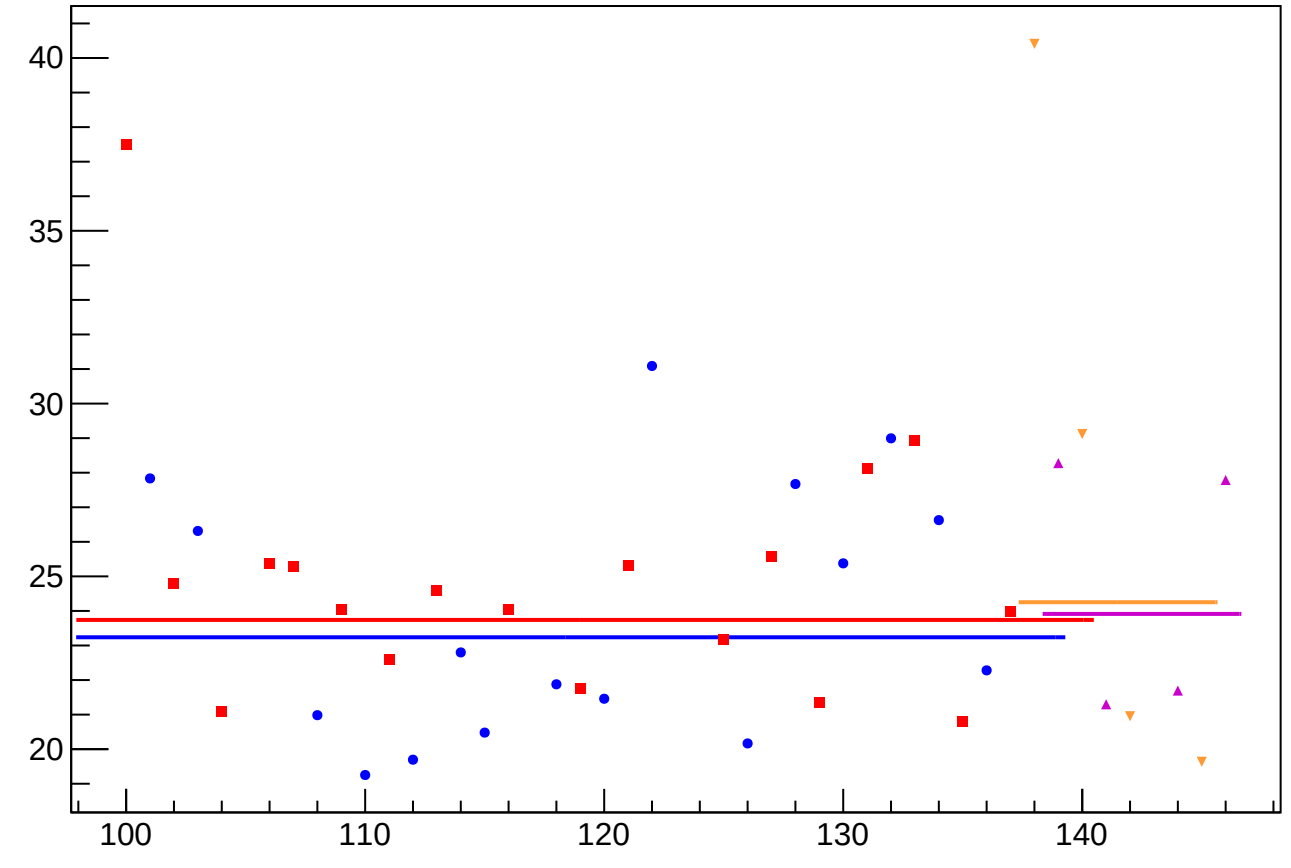
Left: -0.006+/-0.010 χ^2/NDF: 5.8/7

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

In: -0.004+/-0.008 χ^2/NDF:13.2/19

Out: -0.005+/-0.008 χ^2/NDF:15.3/21

All: -0.005+/-0.006 χ^2/NDF: 28.6/41



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

Left Out: 24.252+/-0.011 χ^2/NDF:355960.4/3

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

Left In: 23.914+/-0.010 χ^2/NDF:108197.4/3

Left: 24.056+/-0.007 χ^2/NDF: 464678.3/7

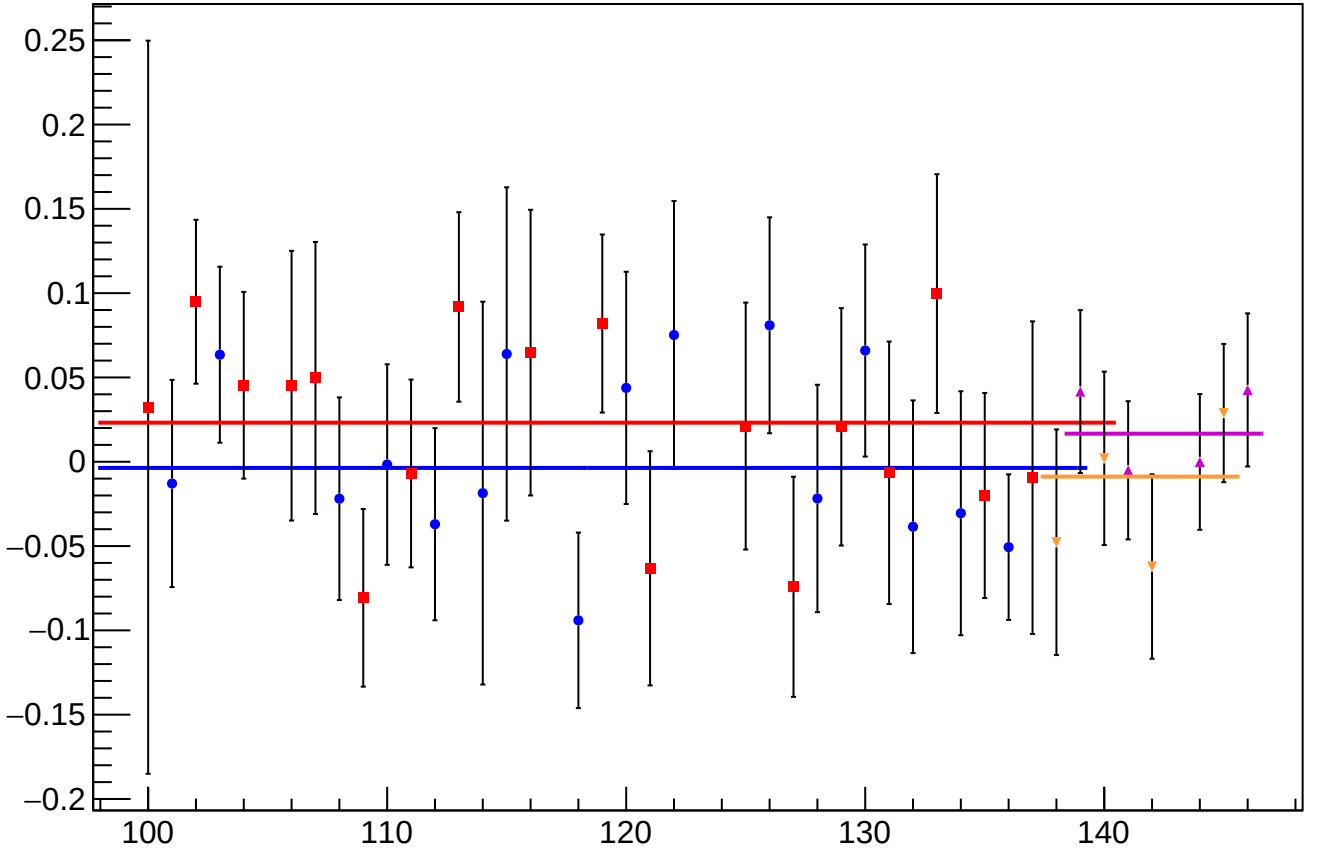
Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.453+/-0.005 χ^2/NDF:370819.7/19

Out: 23.870+/-0.006 χ^2/NDF:483678.4/21

All: 23.651+/-0.004 χ^2/NDF: 857327.1/41

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.009+/-0.026 χ^2/NDF:2.2/3

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

Left In: 0.017+/-0.022 χ^2/NDF:1.0/3

Left: 0.006+/-0.017 χ^2/NDF: 3.8/7

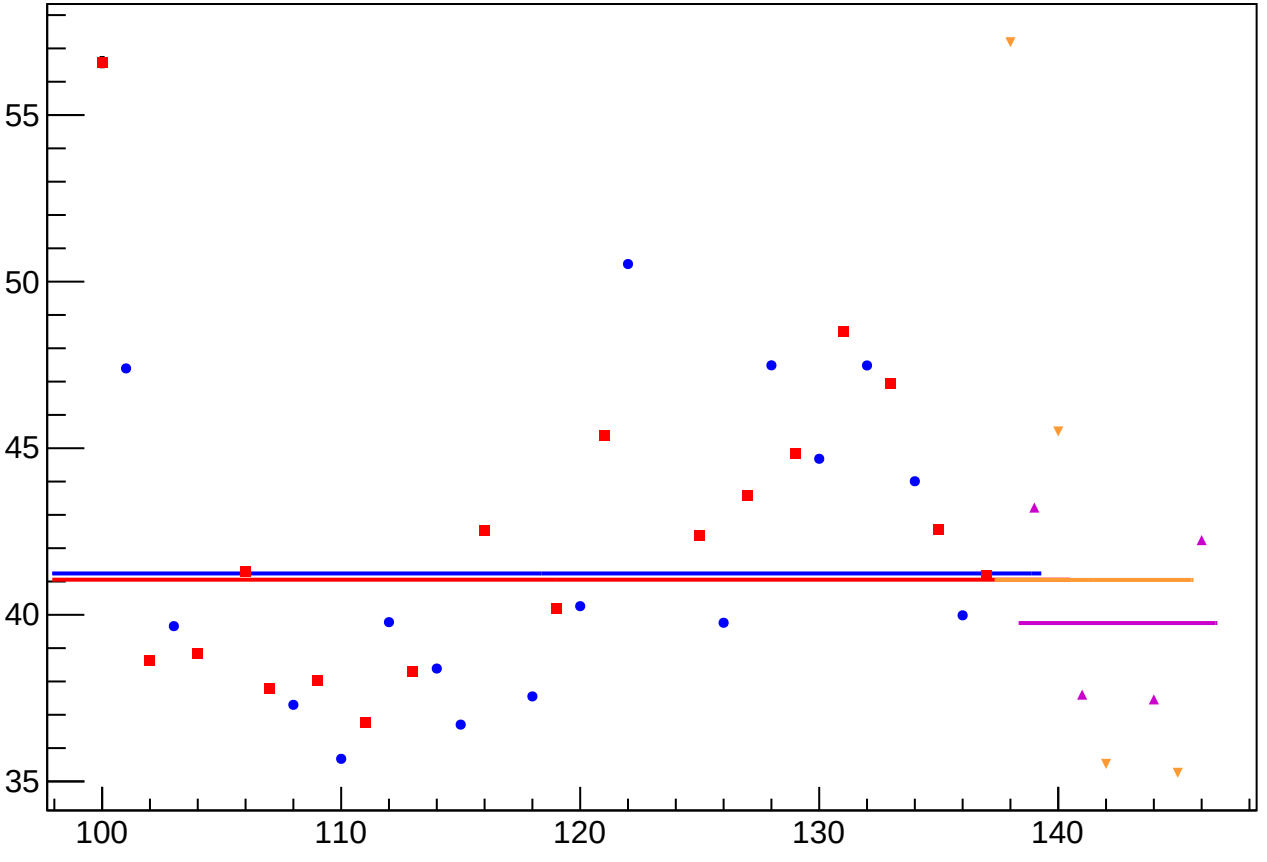
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.003+/-0.013 χ^2/NDF:13.3/19

Out: 0.015+/-0.013 χ^2/NDF:18.7/21

All: 0.009+/-0.009 χ^2/NDF: 32.4/41

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: 41.048+/-0.018 χ^2/NDF:191621.0/3

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

Left In: 39.753+/-0.015 χ^2/NDF:28277.9/3

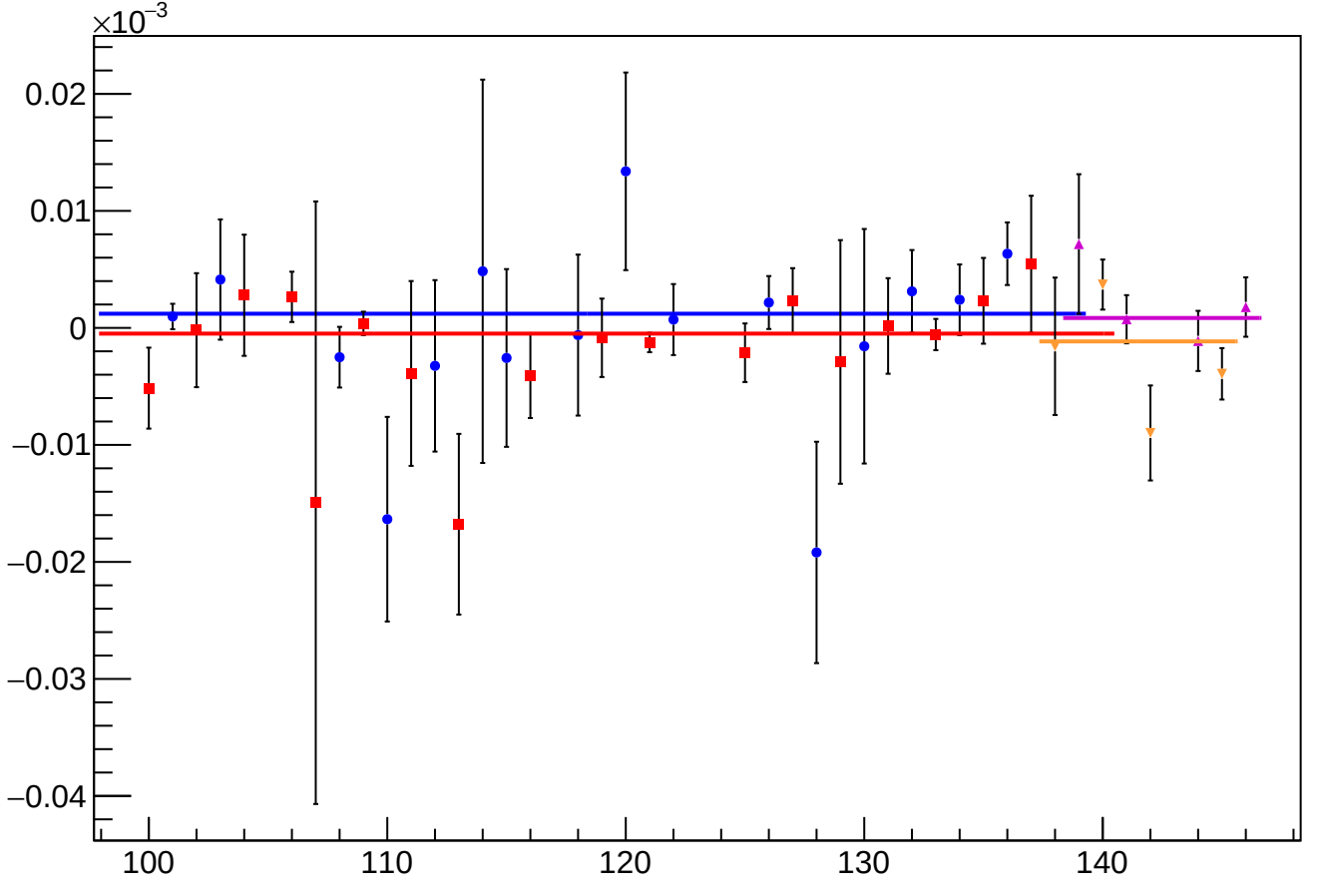
Left: 40.295+/-0.012 χ^2/NDF: 222879.5/7

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

In: 40.728+/-0.009 χ^2/NDF:169725.9/19

Out: 41.053+/-0.009 χ^2/NDF:288181.7/21

All: 40.884+/-0.006 χ^2/NDF: 458530.0/41



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/3

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

Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

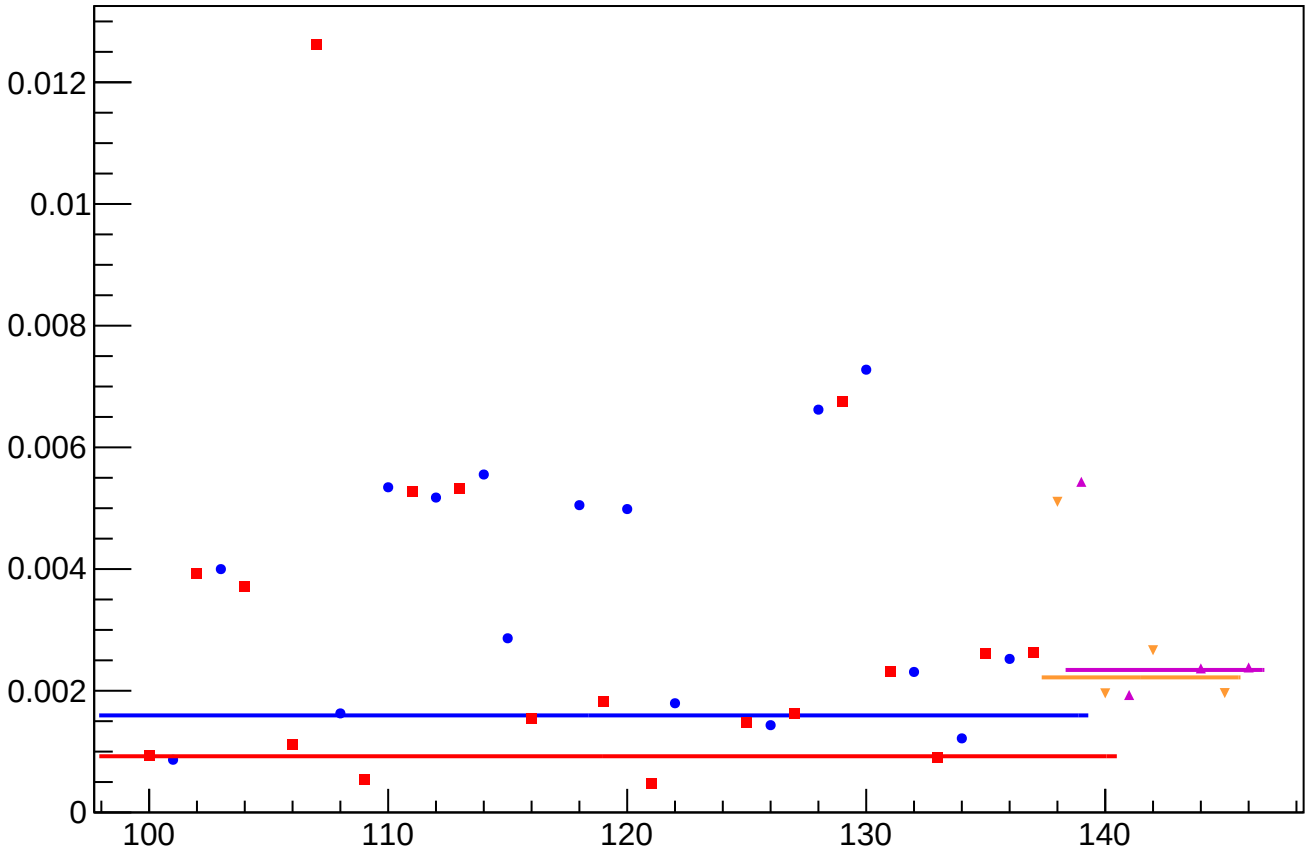
Left: -0.000+/-0.000 χ^2/NDF: 13.4/7

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:20.2/19

Out: -0.000+/-0.000 χ^2/NDF:25.6/21

All: 0.000+/-0.000 χ^2/NDF: 50.3/41



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

Left Out: 0.002+/-0.000 χ^2/NDF:564863.6/3

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

Left In: 0.002+/-0.000 χ^2/NDF:617695.2/3

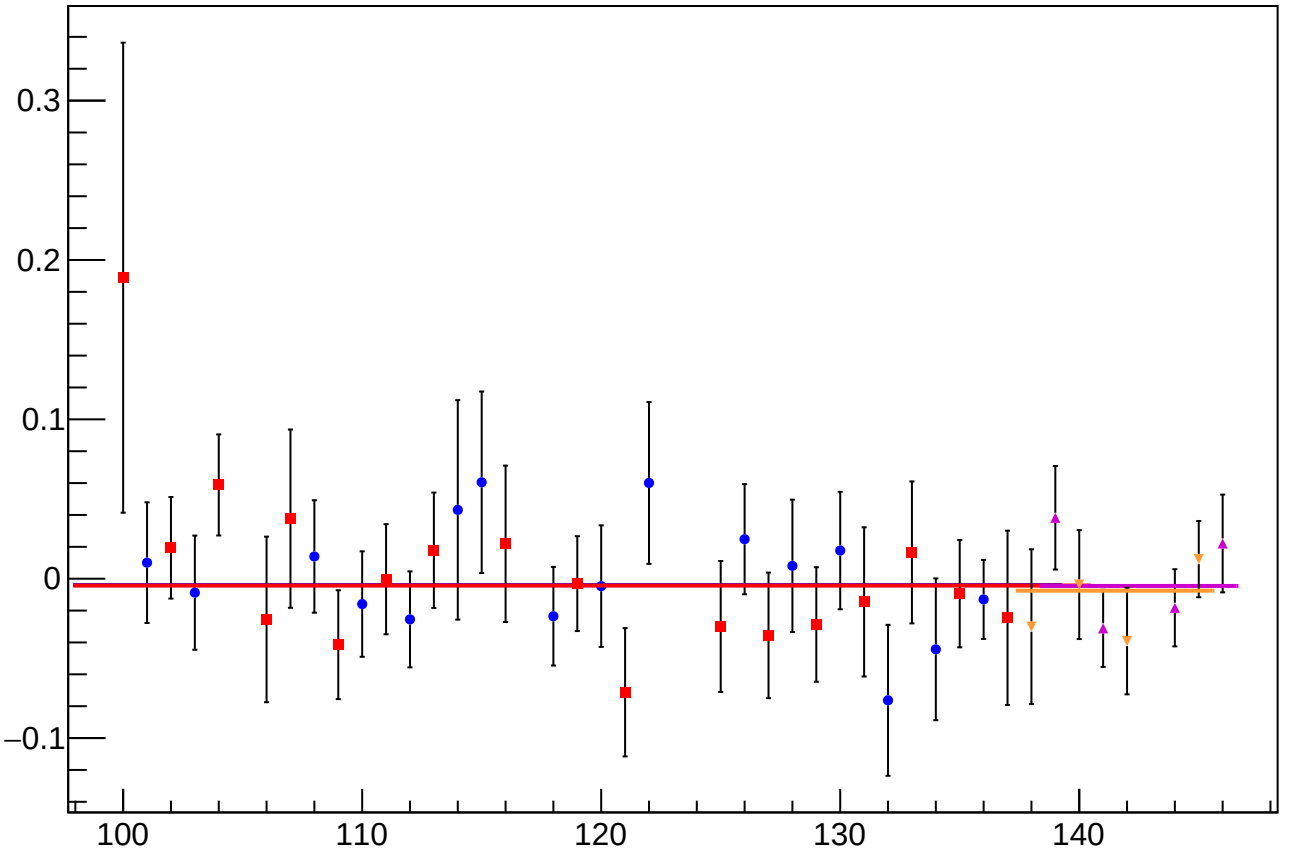
Left: 0.002+/-0.000 χ^2/NDF: 1190662.3/7

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

In: 0.002+/-0.000 χ^2/NDF:5861752.8/19

Out: 0.001+/-0.000 χ^2/NDF:7880228.7/21

All: 0.001+/-0.000 χ^2/NDF: 15289284.2/41



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

Left Out: -0.008+/-0.016 χ^2/NDF:1.8/3

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

Left In: -0.005+/-0.014 χ^2/NDF:4.0/3

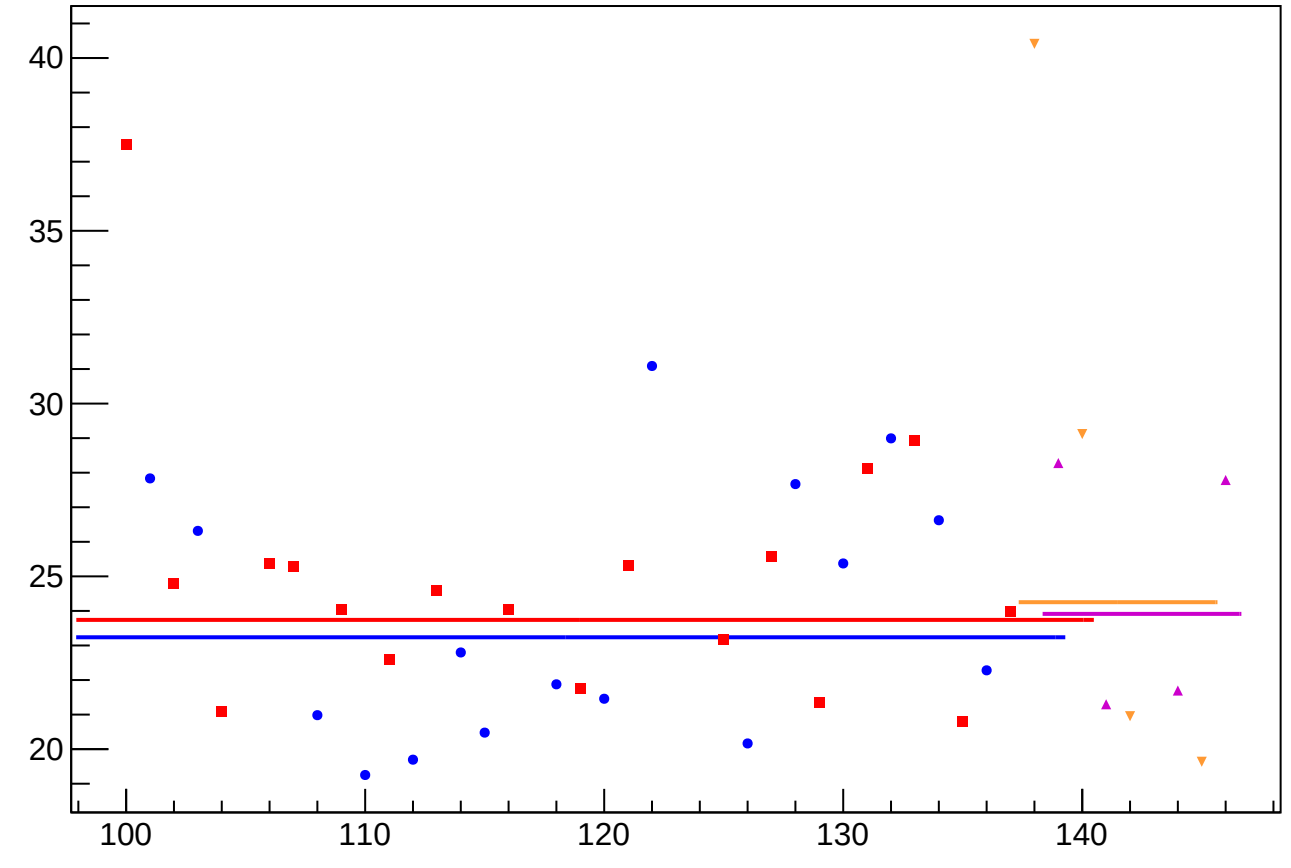
Left: -0.006+/-0.010 χ^2/NDF: 5.8/7

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

In: -0.004+/-0.008 χ^2/NDF:13.2/19

Out: -0.005+/-0.008 χ^2/NDF:15.3/21

All: -0.005+/-0.006 χ^2/NDF: 28.6/41



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

Left Out: 24.253+/-0.011 χ^2/NDF:355945.1/3

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

Left In: 23.914+/-0.010 χ^2/NDF:108209.3/3

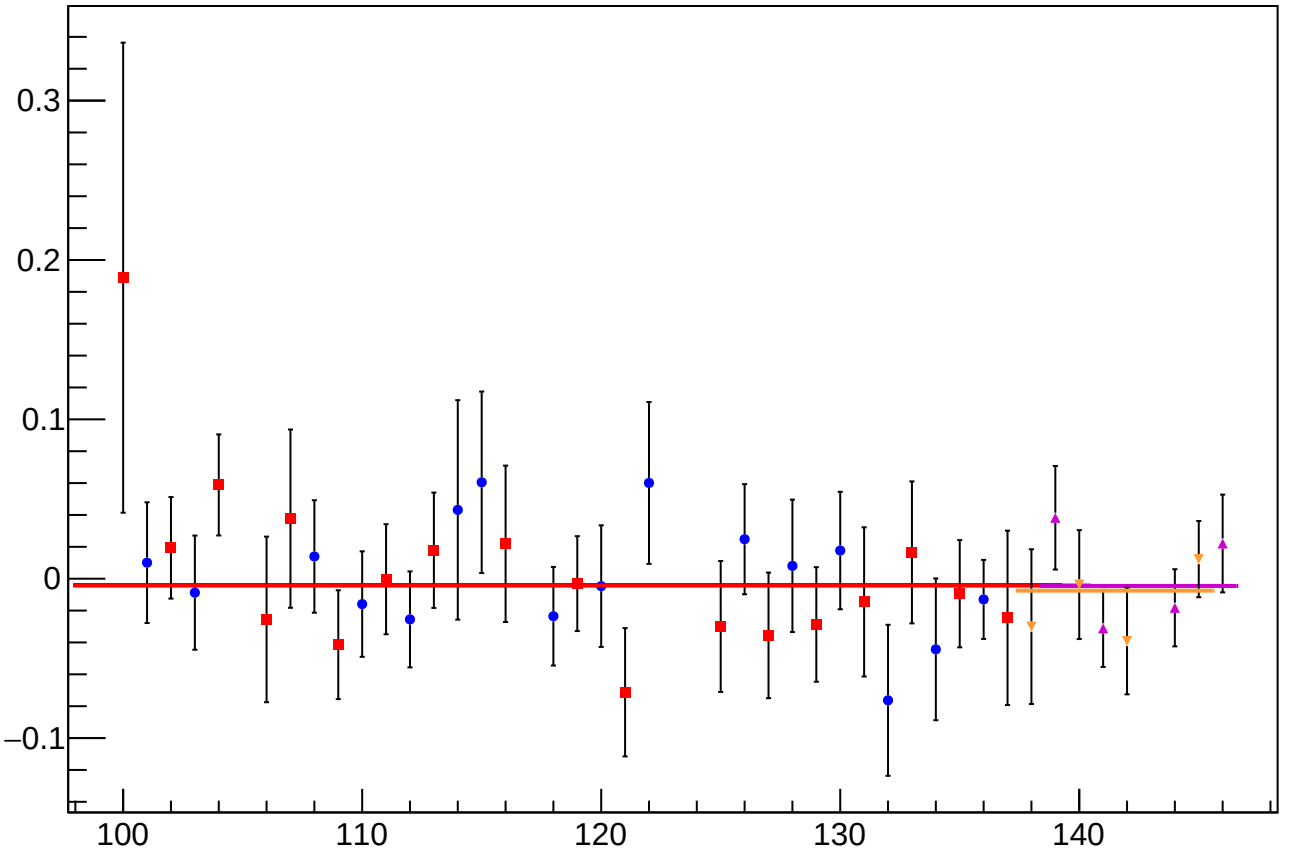
Left: 24.056+/-0.007 χ^2/NDF: 464675.6/7

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

In: 23.452+/-0.005 χ^2/NDF:370828.1/19

Out: 23.871+/-0.006 χ^2/NDF:483612.9/21

All: 23.651+/-0.004 χ^2/NDF: 857279.3/41



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

Left Out: -0.008+/-0.016 χ^2/NDF:1.8/3

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

Left In: -0.005+/-0.014 χ^2/NDF:4.0/3

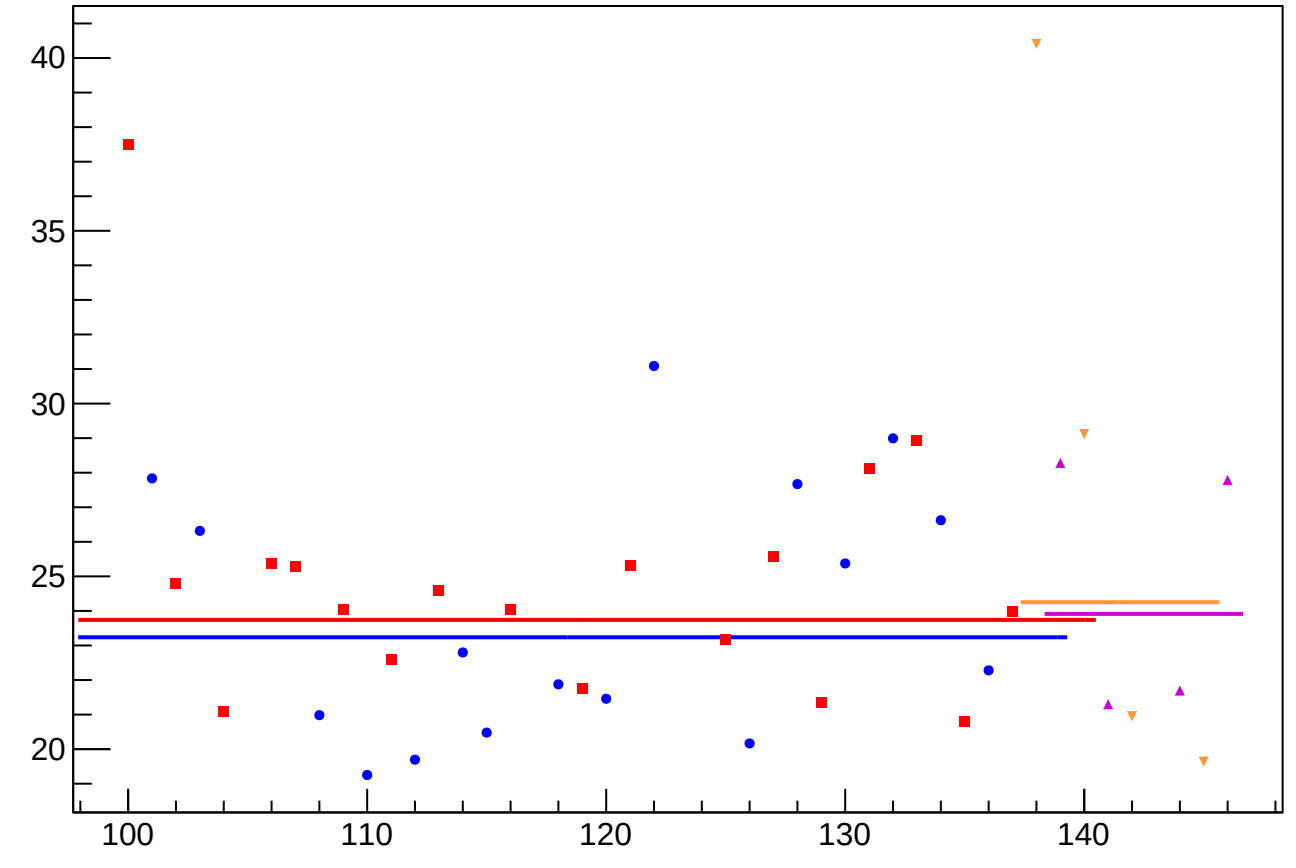
Left: -0.006+/-0.010 χ^2/NDF: 5.8/7

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

In: -0.004+/-0.008 χ^2/NDF:13.2/19

Out: -0.005+/-0.008 χ^2/NDF:15.3/21

All: -0.005+/-0.006 χ^2/NDF: 28.6/41



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

Left Out: 24.253+/-0.011 χ^2/NDF:355945.1/3

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

Left In: 23.914+/-0.010 χ^2/NDF:108209.3/3

Left: 24.056+/-0.007 χ^2/NDF: 464675.6/7

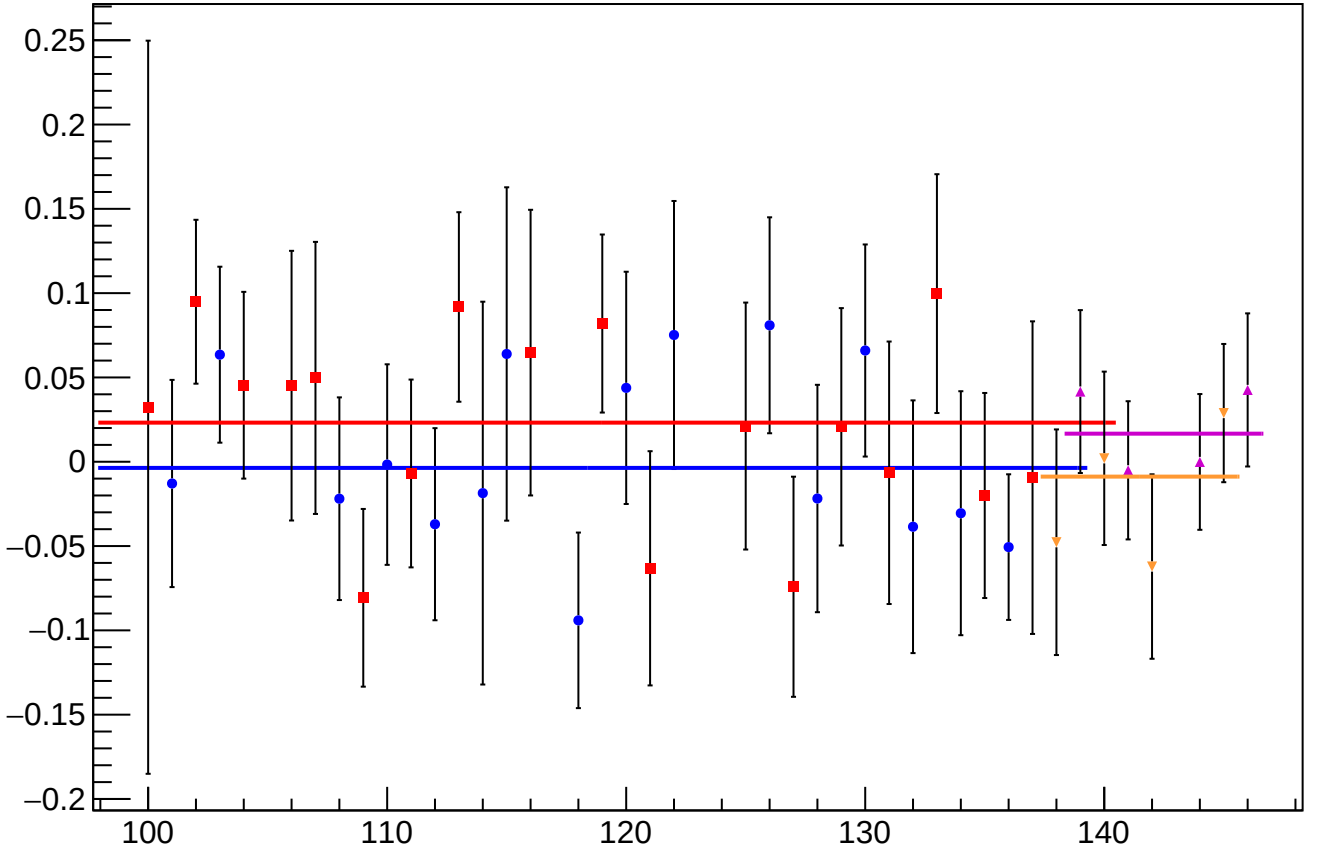
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.452+/-0.005 χ^2/NDF:370828.1/19

Out: 23.871+/-0.006 χ^2/NDF:483612.9/21

All: 23.651+/-0.004 χ^2/NDF: 857279.3/41

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.009+/-0.026 χ^2/NDF:2.2/3

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

Left In: 0.017+/-0.022 χ^2/NDF:1.0/3

Left: 0.006+/-0.017 χ^2/NDF: 3.8/7

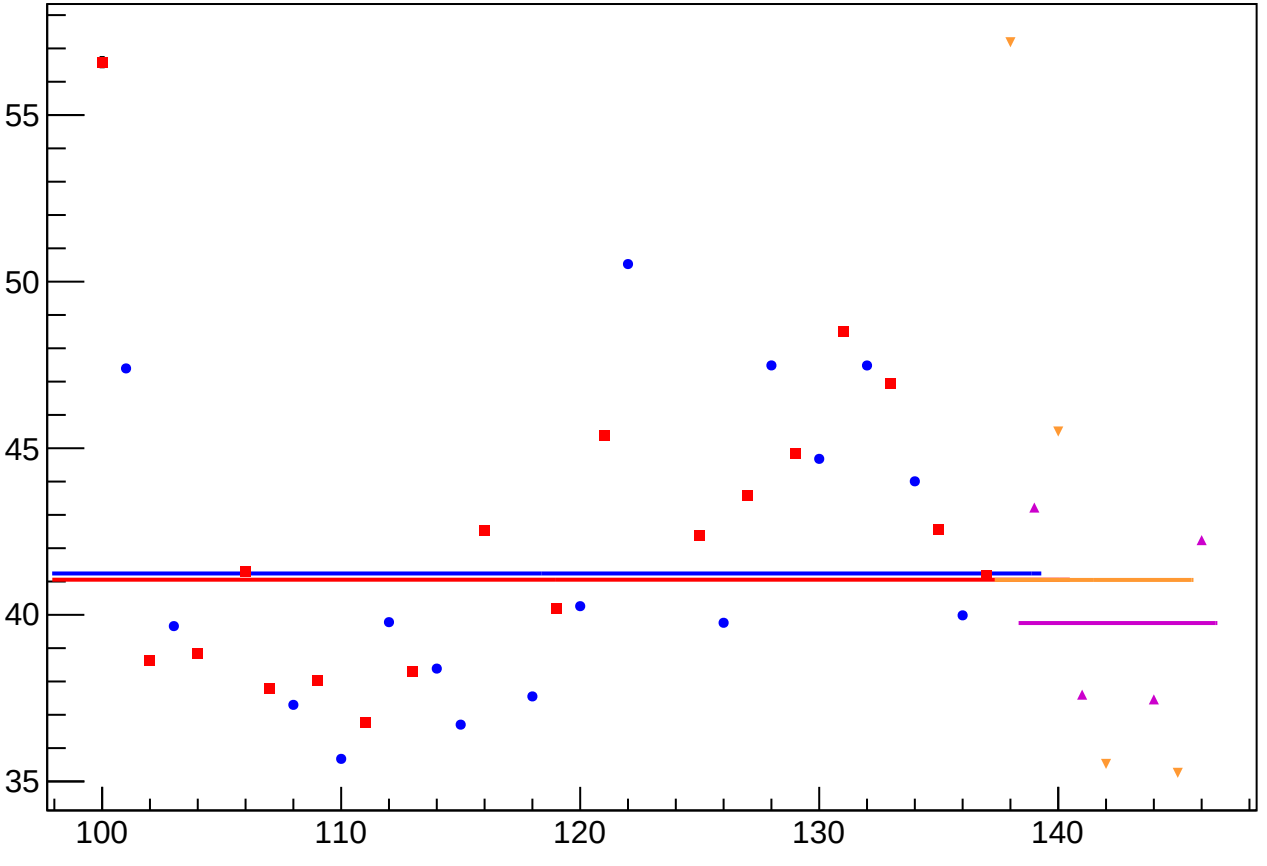
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.003+/-0.013 χ^2/NDF:13.3/19

Out: 0.015+/-0.013 χ^2/NDF:18.7/21

All: 0.009+/-0.009 χ^2/NDF: 32.4/41

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: 41.048+/-0.018 χ^2/NDF:191619.0/3

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

Left In: 39.754+/-0.015 χ^2/NDF:28282.3/3

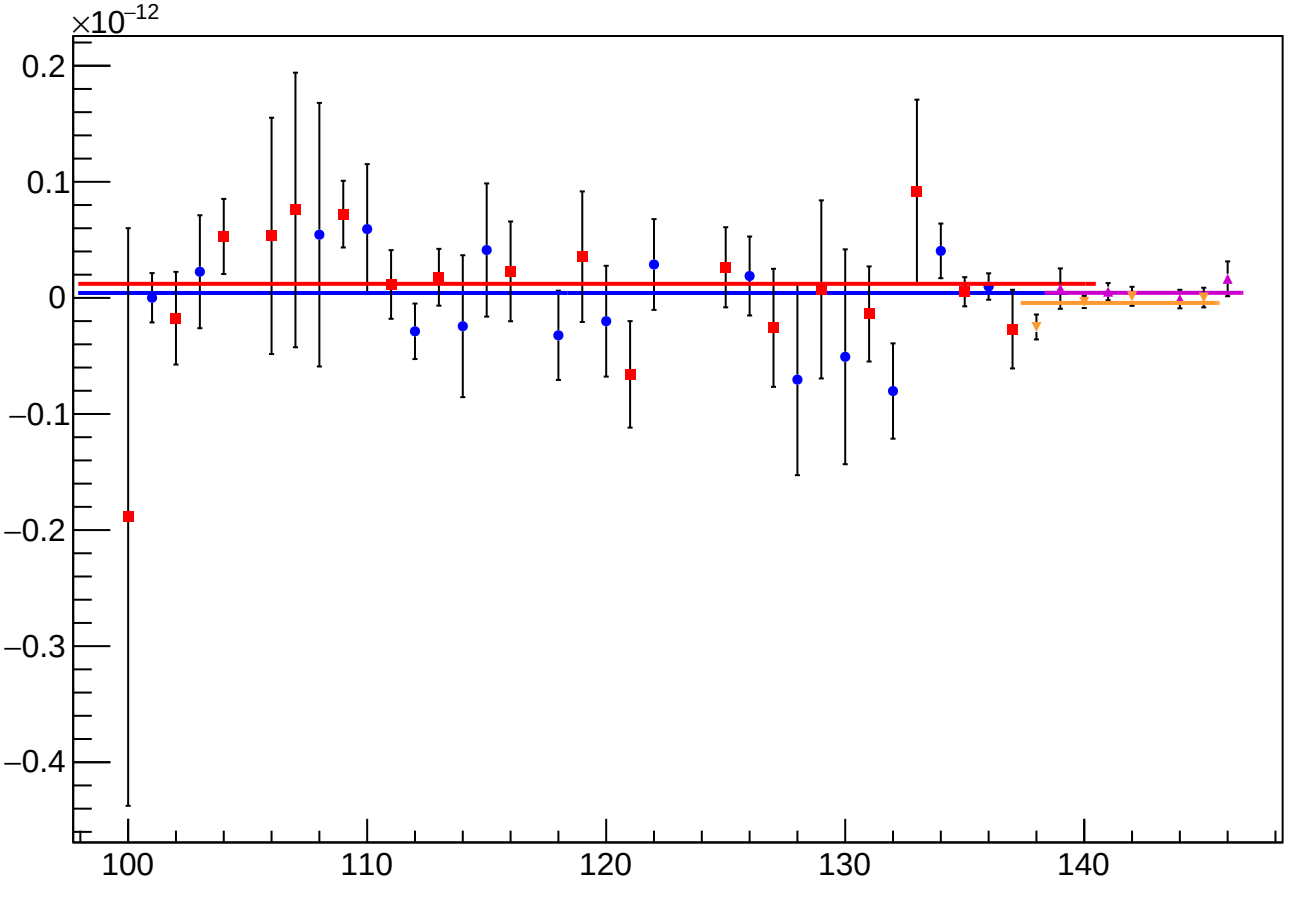
Left: 40.295+/-0.012 χ^2/NDF: 222881.8/7

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

In: 40.728+/-0.009 χ^2/NDF:169705.0/19

Out: 41.053+/-0.009 χ^2/NDF:288168.6/21

All: 40.884+/-0.006 χ^2/NDF: 458496.4/41



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/3

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

Left In: 0.000+/-0.000 χ^2/NDF:1.2/3

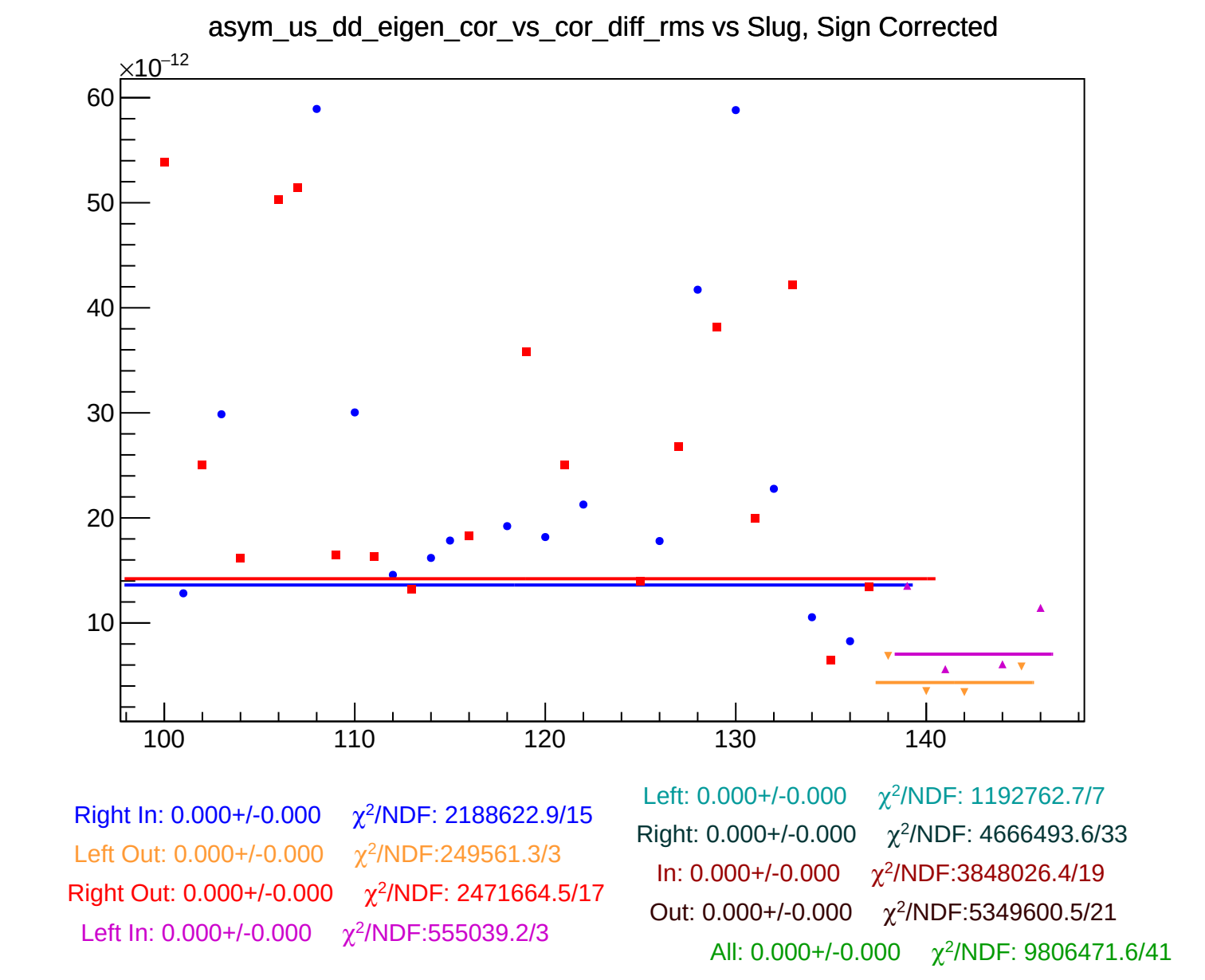
Left: -0.000+/-0.000 χ^2/NDF: 7.7/7

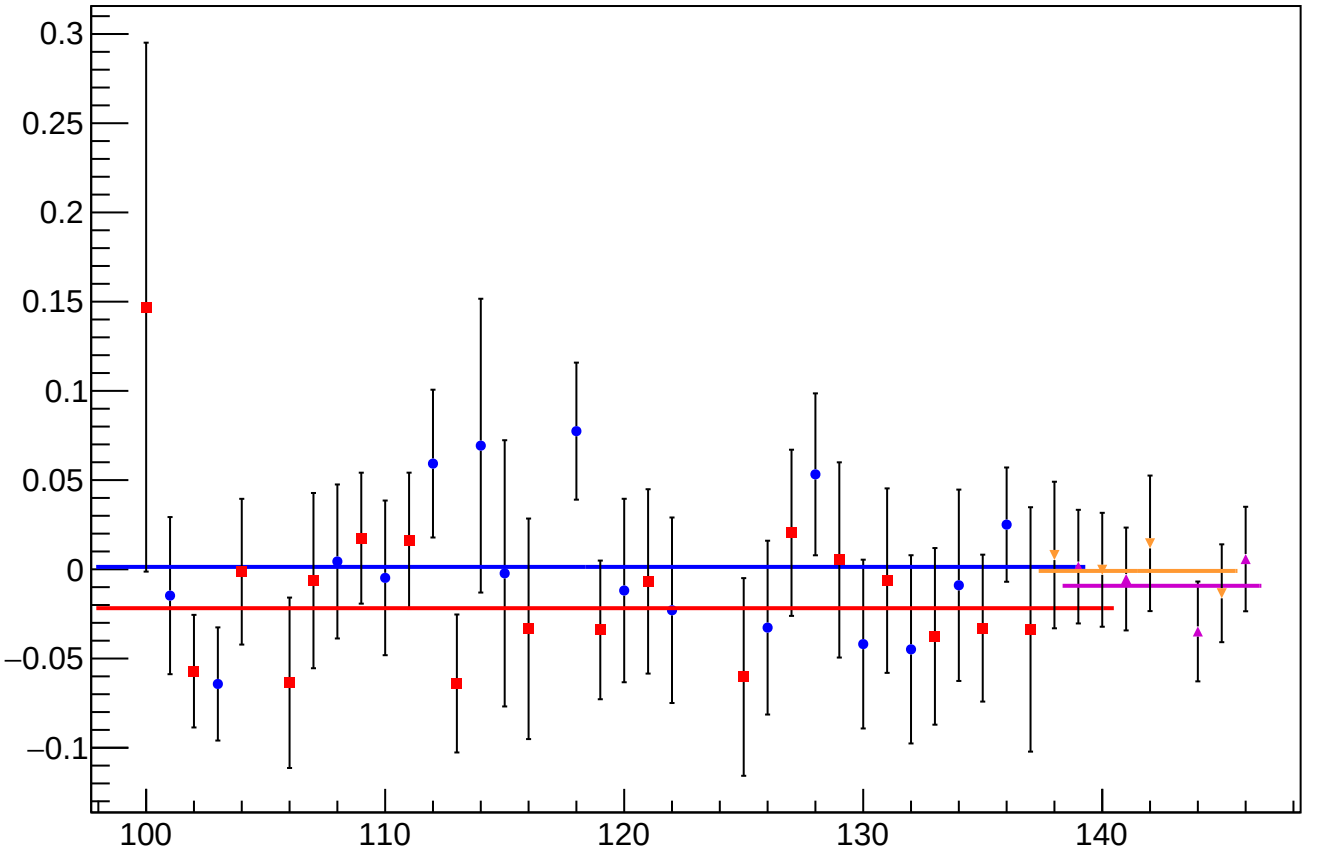
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:14.8/19

Out: -0.000+/-0.000 χ^2/NDF:22.7/21

All: 0.000+/-0.000 χ^2/NDF: 38.7/41


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
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:249561.3/3
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:555039.2/3
Left: 0.000+/-0.000 χ²/NDF: 1192762.7/7
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:3848026.4/19
Out: 0.000+/-0.000 χ²/NDF:5349600.5/21
All: 0.000+/-0.000 χ²/NDF: 9806471.6/41



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

Left Out: -0.001+/-0.017 χ^2/NDF:0.4/3

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

Left In: -0.009+/-0.015 χ^2/NDF:1.2/3

Left: -0.006+/-0.011 χ^2/NDF: 1.8/7

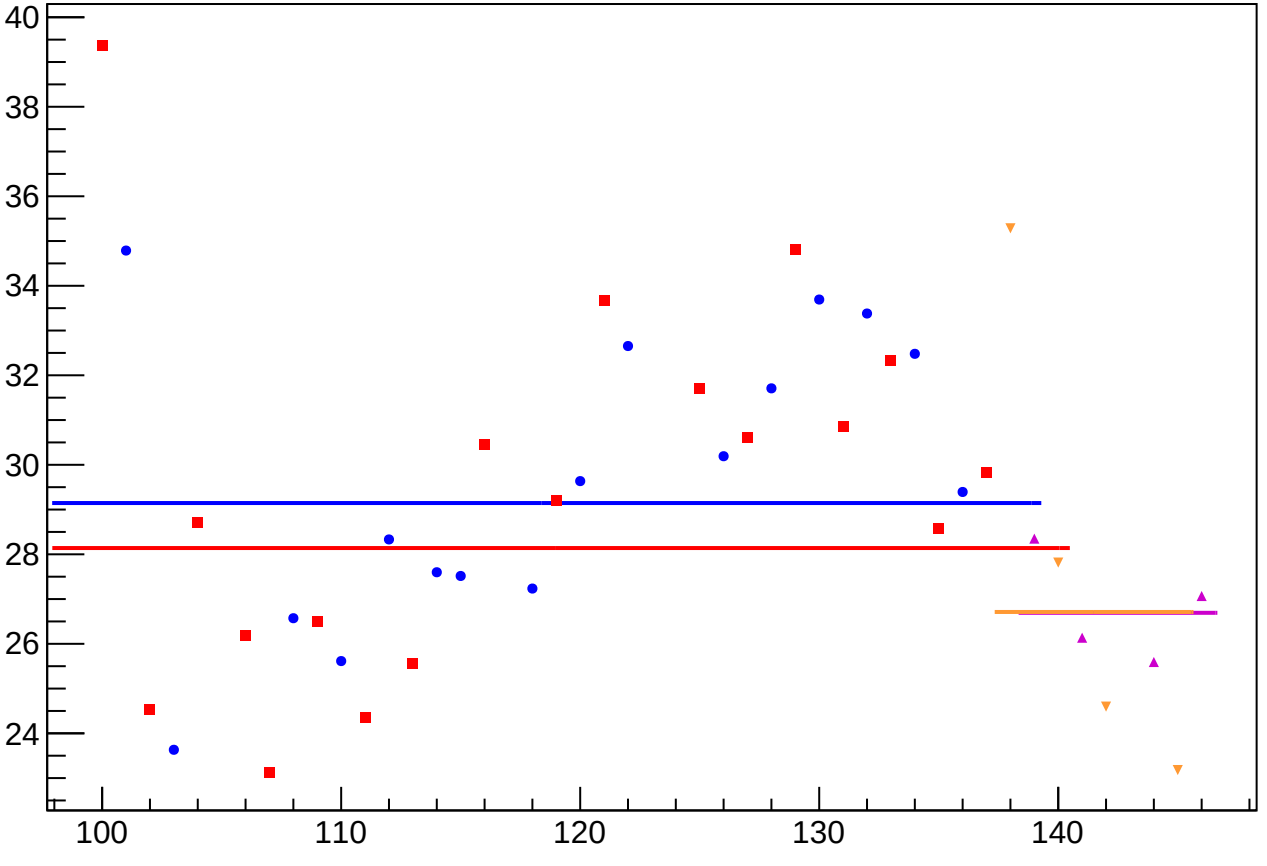
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: -0.003+/-0.009 χ^2/NDF:16.8/19

Out: -0.016+/-0.009 χ^2/NDF:10.6/21

All: -0.009+/-0.006 χ^2/NDF: 28.5/41

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: 26.712+/-0.012 χ^2/NDF:128919.5/3

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

Left In: 26.693+/-0.010 χ^2/NDF:9580.1/3

Left: 26.701+/-0.008 χ^2/NDF: 138501.1/7

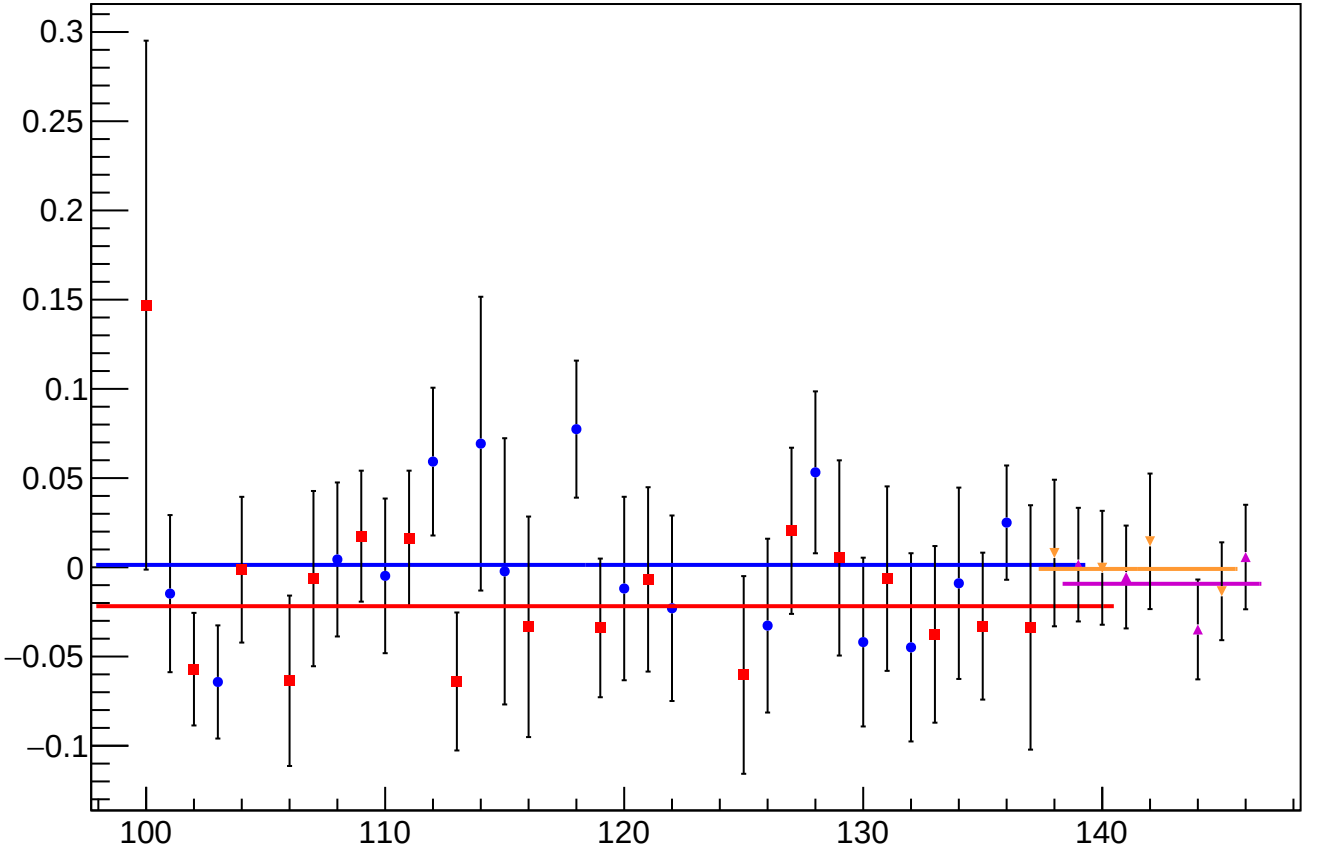
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.243+/-0.006 χ^2/NDF:221706.0/19

Out: 27.719+/-0.006 χ^2/NDF:326376.4/21

All: 27.985+/-0.004 χ^2/NDF: 551480.5/41

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: -0.001+/-0.017 χ^2/NDF:0.4/3

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

Left In: -0.009+/-0.015 χ^2/NDF:1.2/3

Left: -0.006+/-0.011 χ^2/NDF: 1.8/7

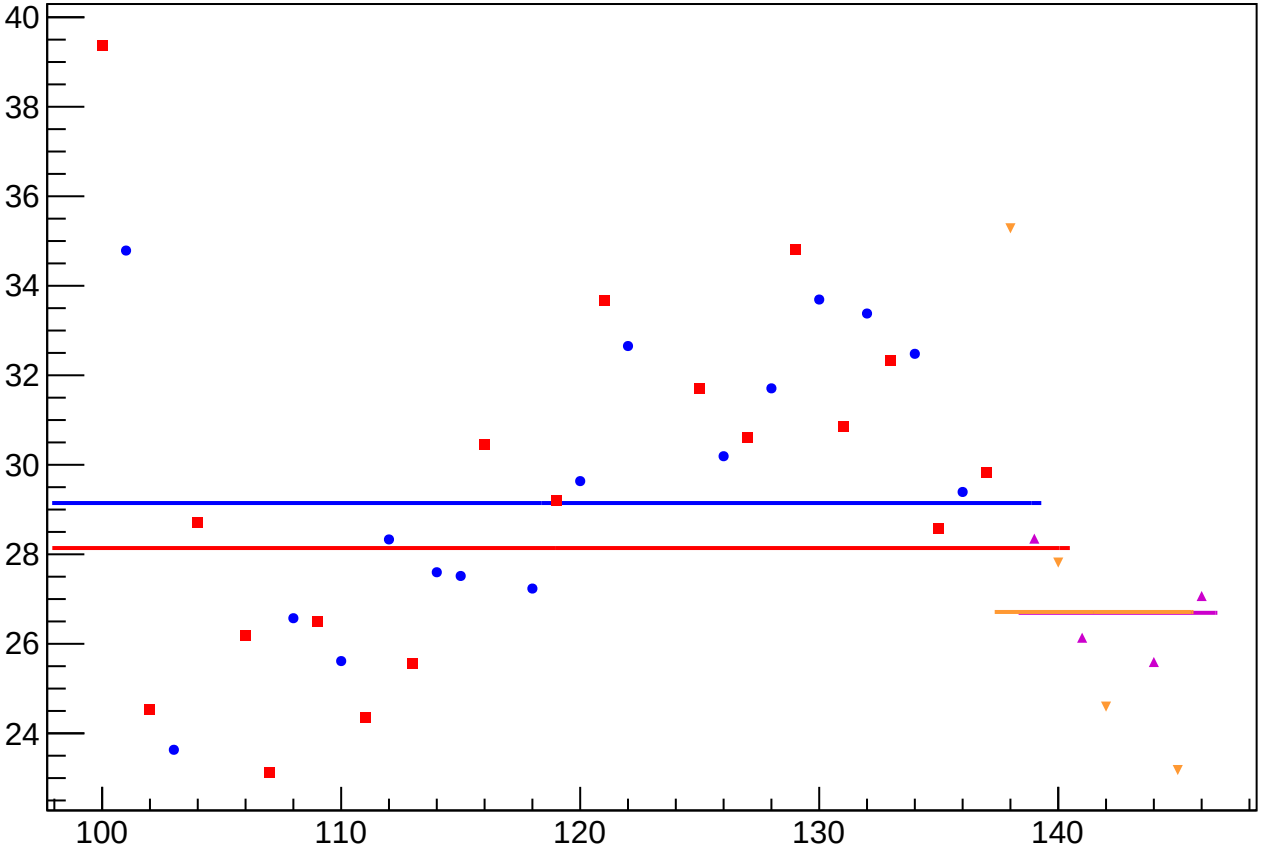
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: -0.003+/-0.009 χ^2/NDF:16.8/19

Out: -0.016+/-0.009 χ^2/NDF:10.6/21

All: -0.009+/-0.006 χ^2/NDF: 28.5/41

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: 26.712+/-0.012 χ^2/NDF:128919.5/3

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

Left In: 26.693+/-0.010 χ^2/NDF:9580.1/3

Left: 26.701+/-0.008 χ^2/NDF: 138501.1/7

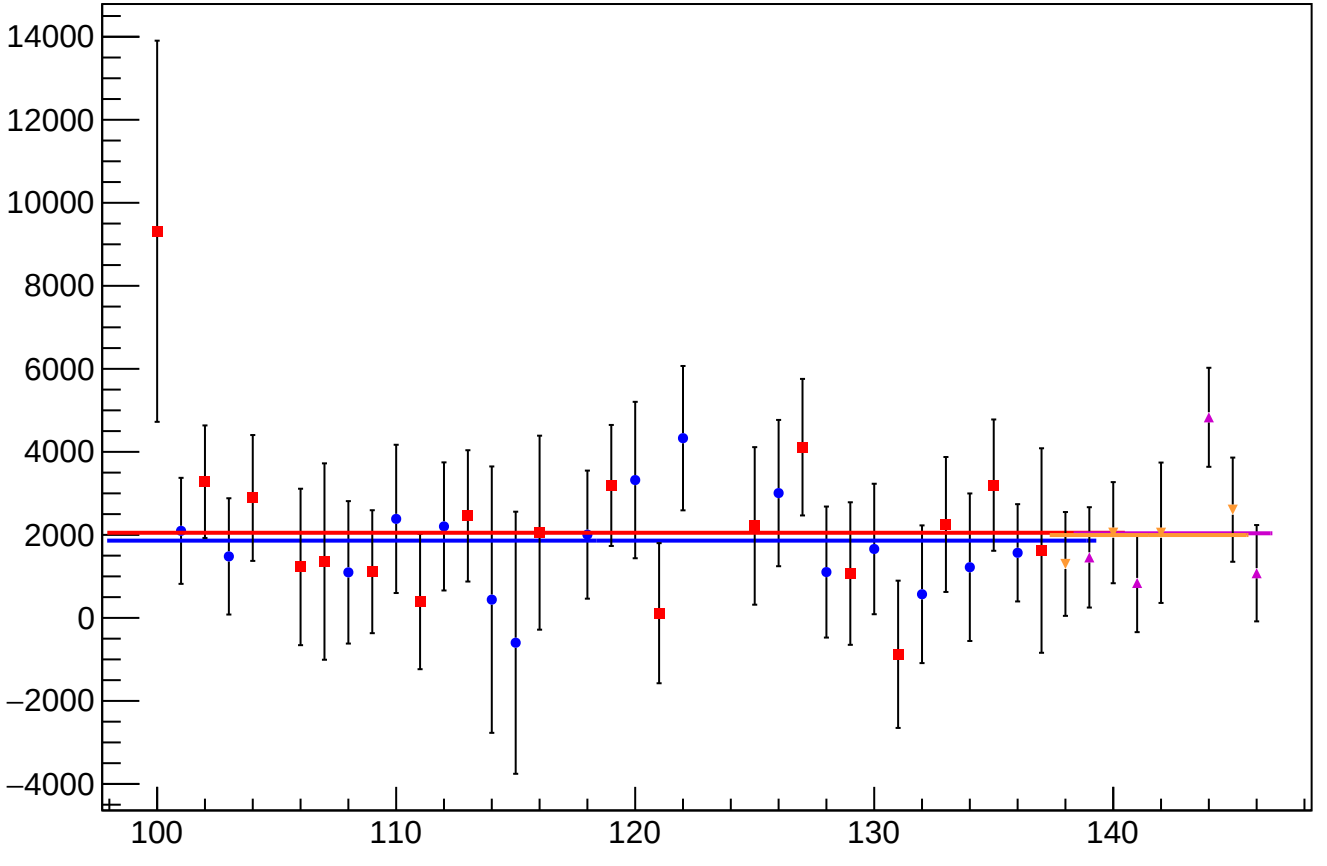
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.243+/-0.006 χ^2/NDF:221706.0/19

Out: 27.719+/-0.006 χ^2/NDF:326376.4/21

All: 27.985+/-0.004 χ^2/NDF: 551480.5/41

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1996.320+/-659.700 χ^2/NDF:0.6/3

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

Left In: 2038.301+/-593.176 χ^2/NDF:7.4/3

Left: 2019.533+/-441.088 χ^2/NDF: 8.0/7

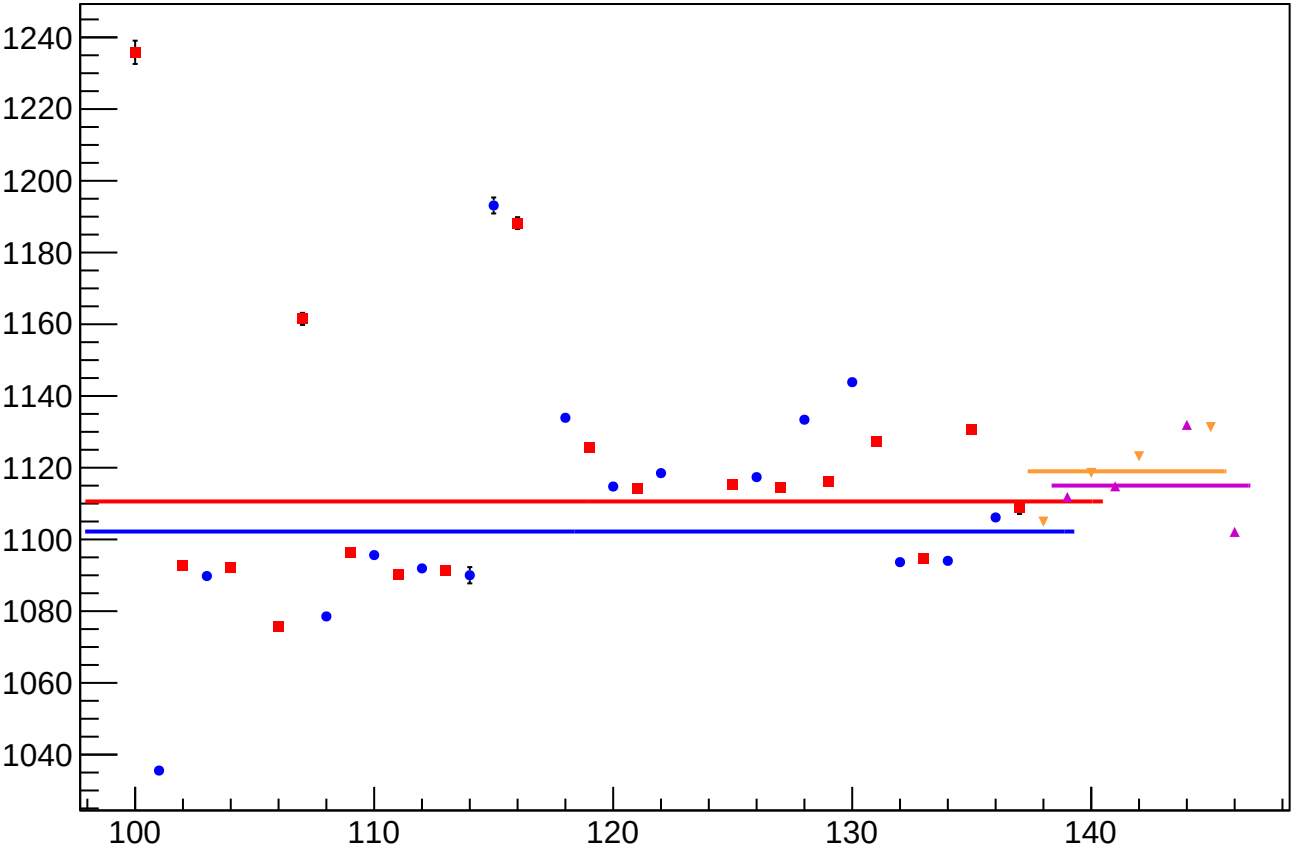
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1918.586+/-337.009 χ^2/NDF:12.8/19

Out: 2035.690+/-347.766 χ^2/NDF:13.1/21

All: 1975.299+/-242.015 χ^2/NDF: 26.0/41

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1118.997+/-0.466 χ^2/NDF:457.3/3

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

Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

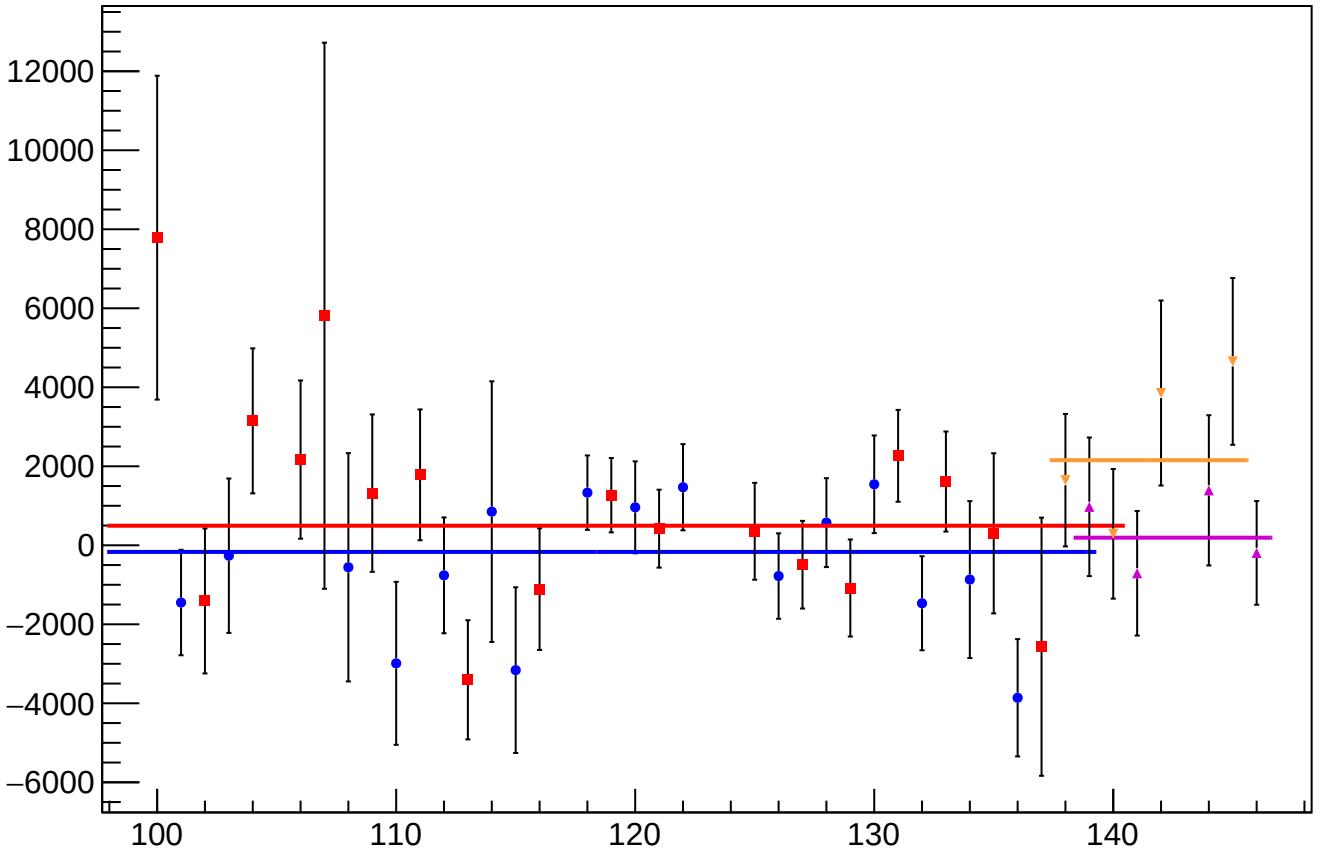
Left: 1116.795+/-0.312 χ^2/NDF: 1161.8/7

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

In: 1106.340+/-0.238 χ^2/NDF:12644.8/19

Out: 1112.927+/-0.246 χ^2/NDF:8387.8/21

All: 1109.530+/-0.171 χ^2/NDF: 21402.6/41



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

Left Out: 2154.019+/-939.118 χ^2/NDF:3.3/3

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

Left In: 192.383+/-794.553 χ^2/NDF:1.0/3

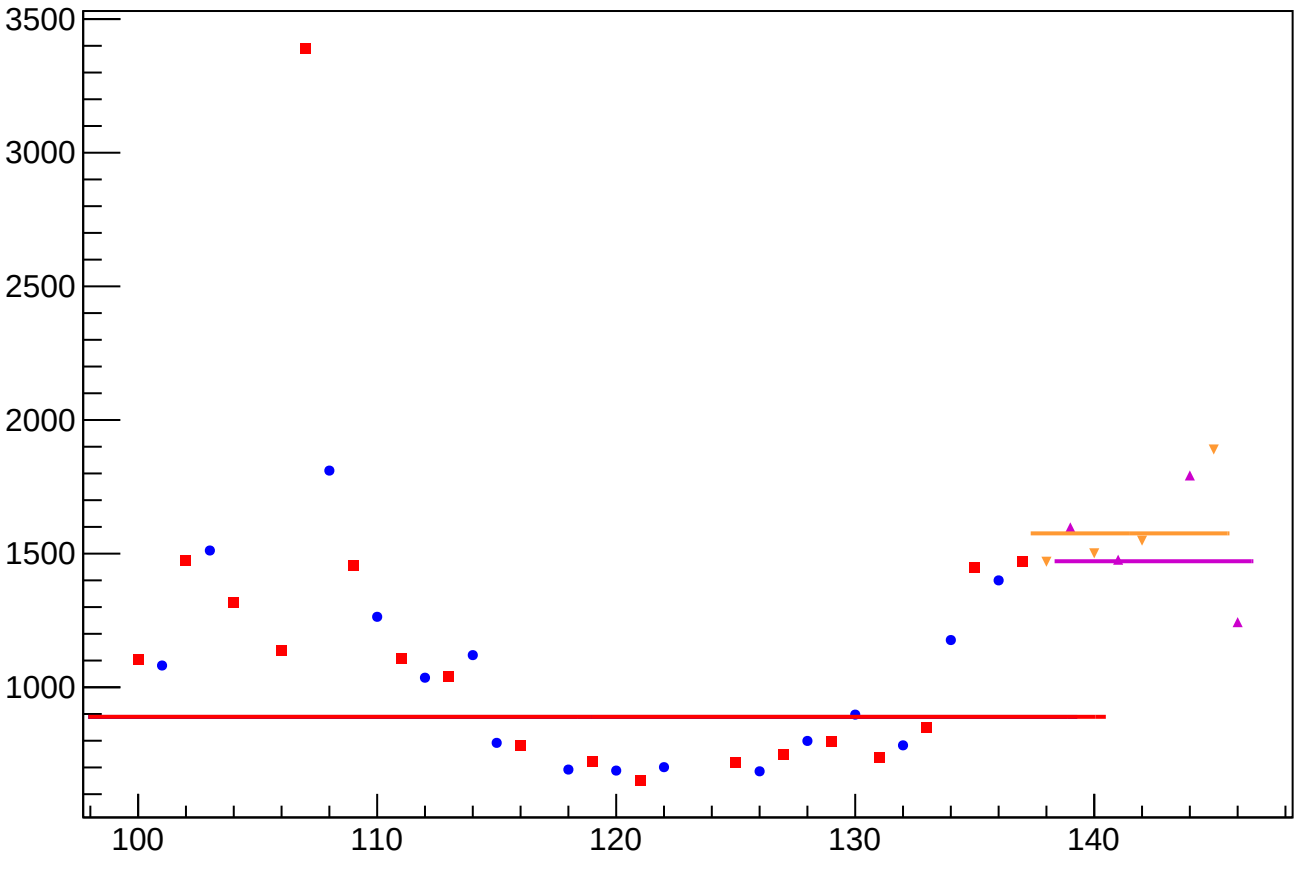
Left: 1010.755+/-606.578 χ^2/NDF: 6.9/7

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

In: -110.619+/-316.796 χ^2/NDF:22.2/19

Out: 692.480+/-323.884 χ^2/NDF:29.3/21

All: 282.047+/-226.473 χ^2/NDF: 54.7/41



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

Left Out: 1575.784+/-0.664 χ^2/NDF:56626.3/3

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

Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

Left: 1515.034+/-0.429 χ^2/NDF: 198701.8/7

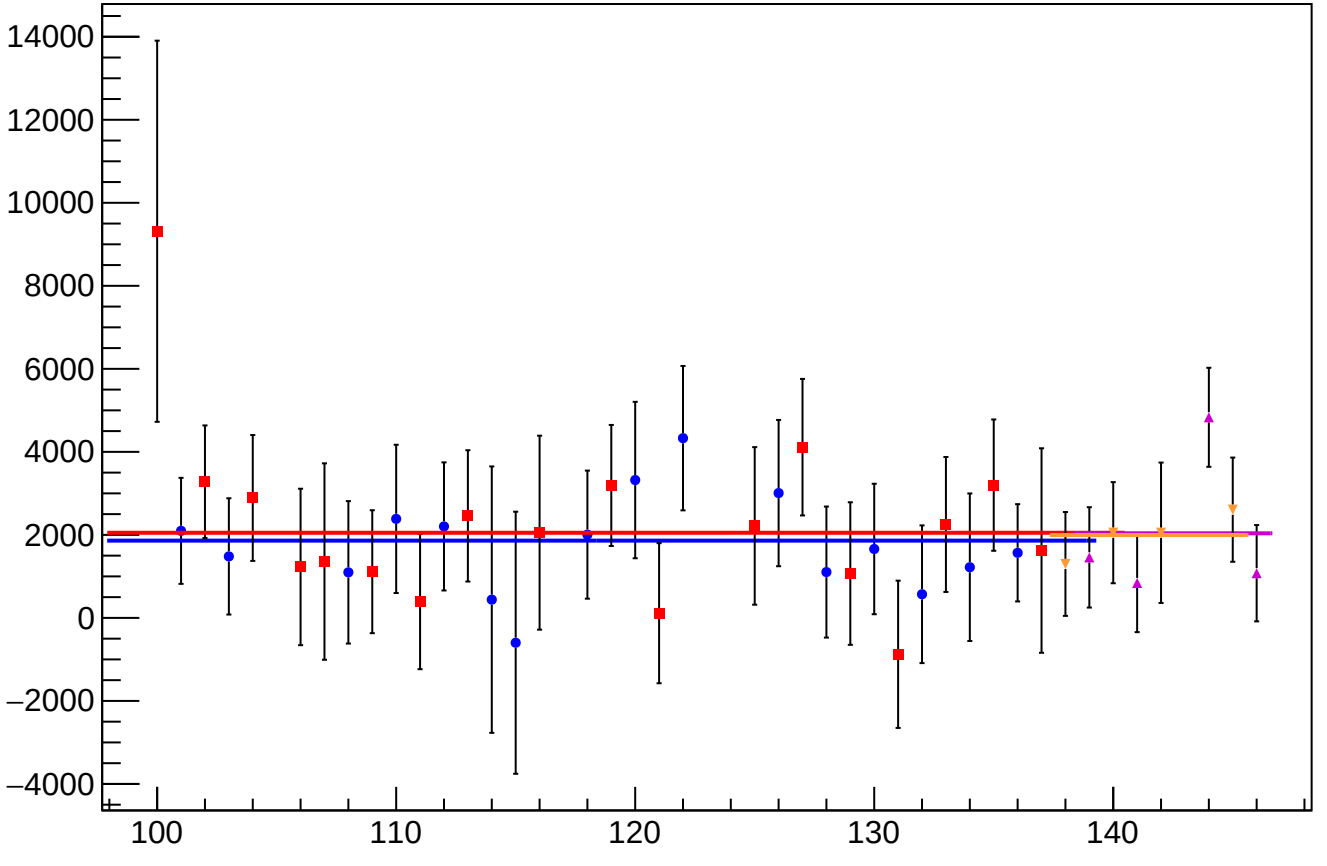
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 981.571+/-0.224 χ^2/NDF:2164808.0/19

Out: 971.109+/-0.229 χ^2/NDF:2343460.6/21

All: 976.455+/-0.160 χ^2/NDF: 4509334.9/41

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1996.320+/-659.700 χ^2/NDF:0.6/3

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

Left In: 2038.301+/-593.176 χ^2/NDF:7.4/3

Left: 2019.533+/-441.088 χ^2/NDF: 8.0/7

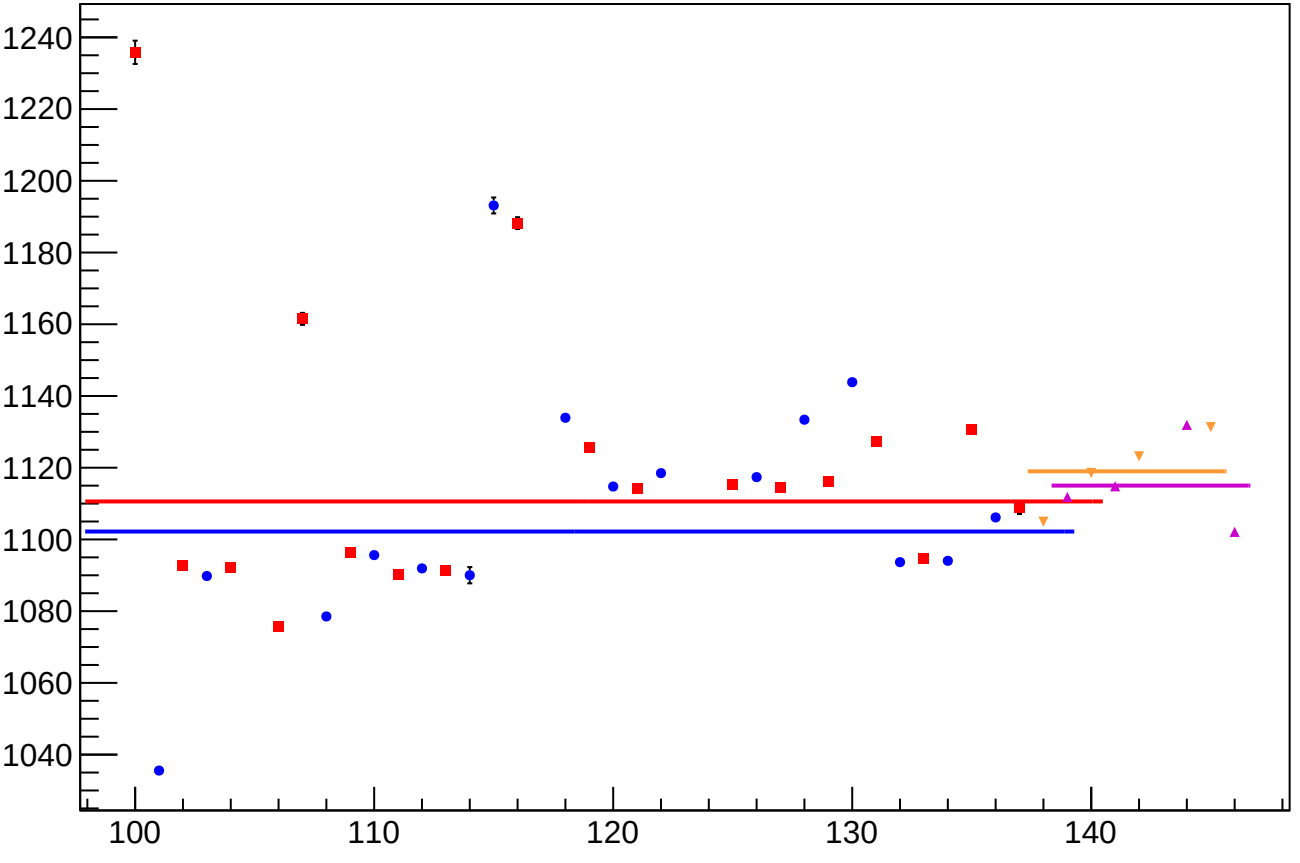
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1918.586+/-337.009 χ^2/NDF:12.8/19

Out: 2035.690+/-347.766 χ^2/NDF:13.1/21

All: 1975.299+/-242.015 χ^2/NDF: 26.0/41

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1118.997+/-0.466 χ^2/NDF:457.3/3

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

Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

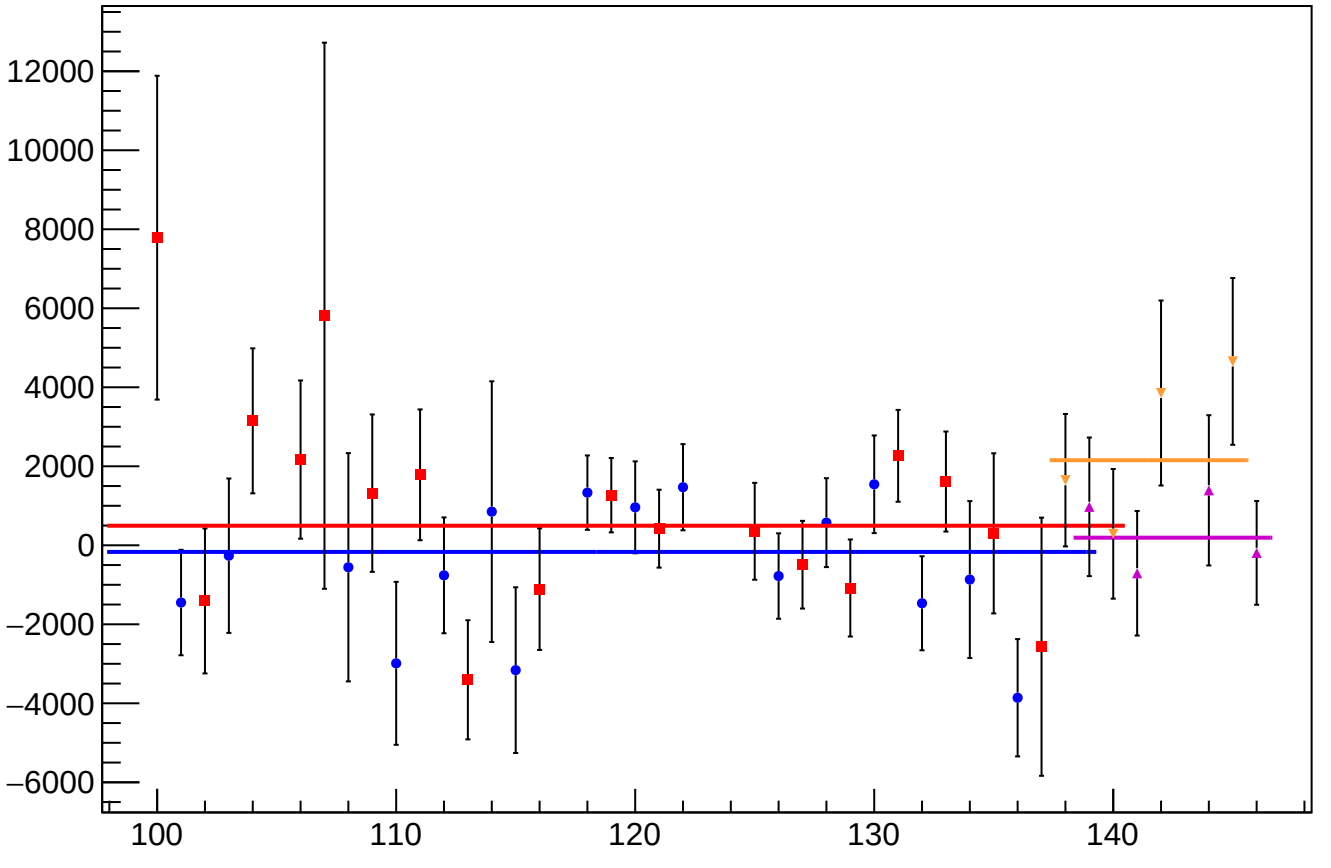
Left: 1116.795+/-0.312 χ^2/NDF: 1161.8/7

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

In: 1106.340+/-0.238 χ^2/NDF:12644.8/19

Out: 1112.927+/-0.246 χ^2/NDF:8387.8/21

All: 1109.530+/-0.171 χ^2/NDF: 21402.6/41



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

Left Out: 2154.019+/-939.118 χ^2/NDF:3.3/3

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

Left In: 192.383+/-794.553 χ^2/NDF:1.0/3

Left: 1010.755+/-606.578 χ^2/NDF: 6.9/7

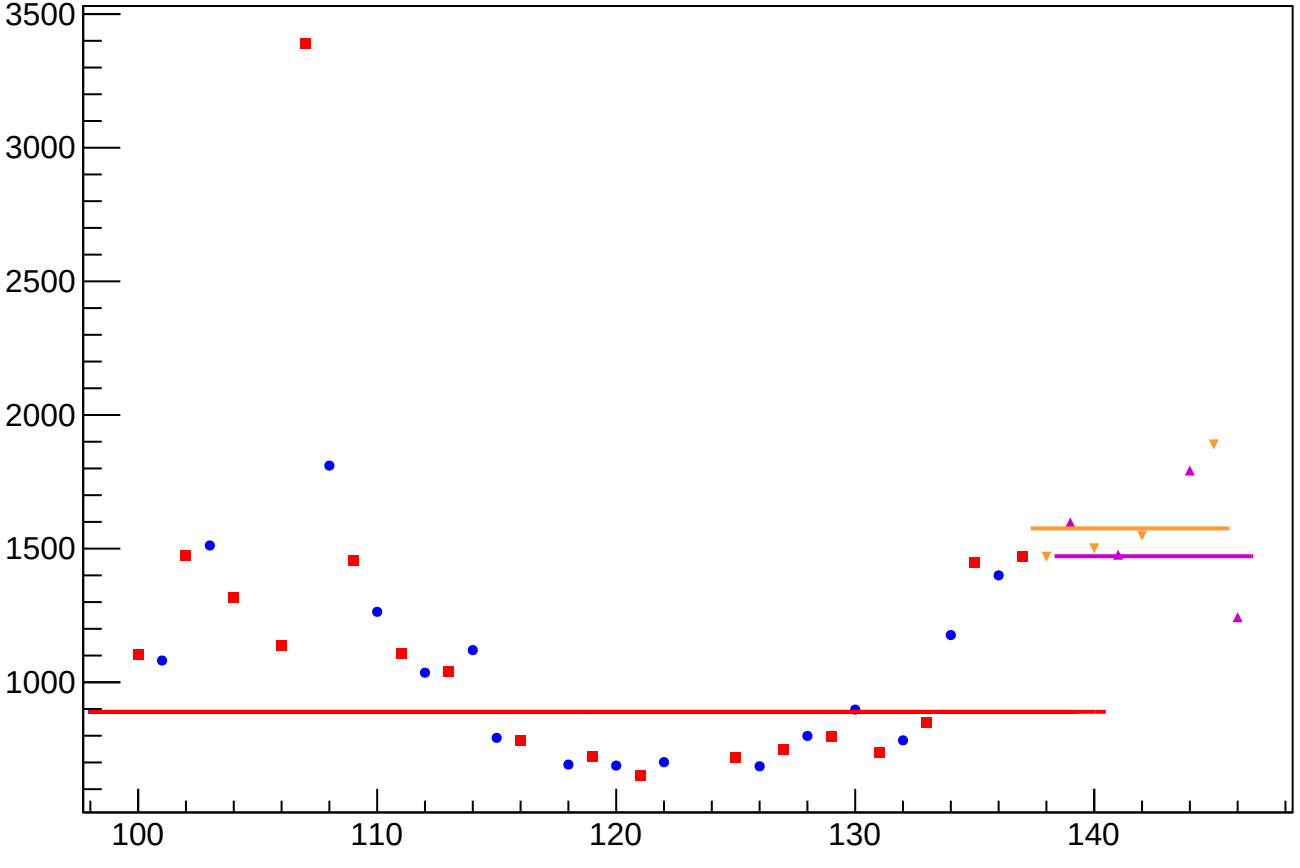
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -110.619+/-316.796 χ^2/NDF:22.2/19

Out: 692.480+/-323.884 χ^2/NDF:29.3/21

All: 282.047+/-226.473 χ^2/NDF: 54.7/41

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1575.784+/-0.664 χ^2/NDF:56626.3/3

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

Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

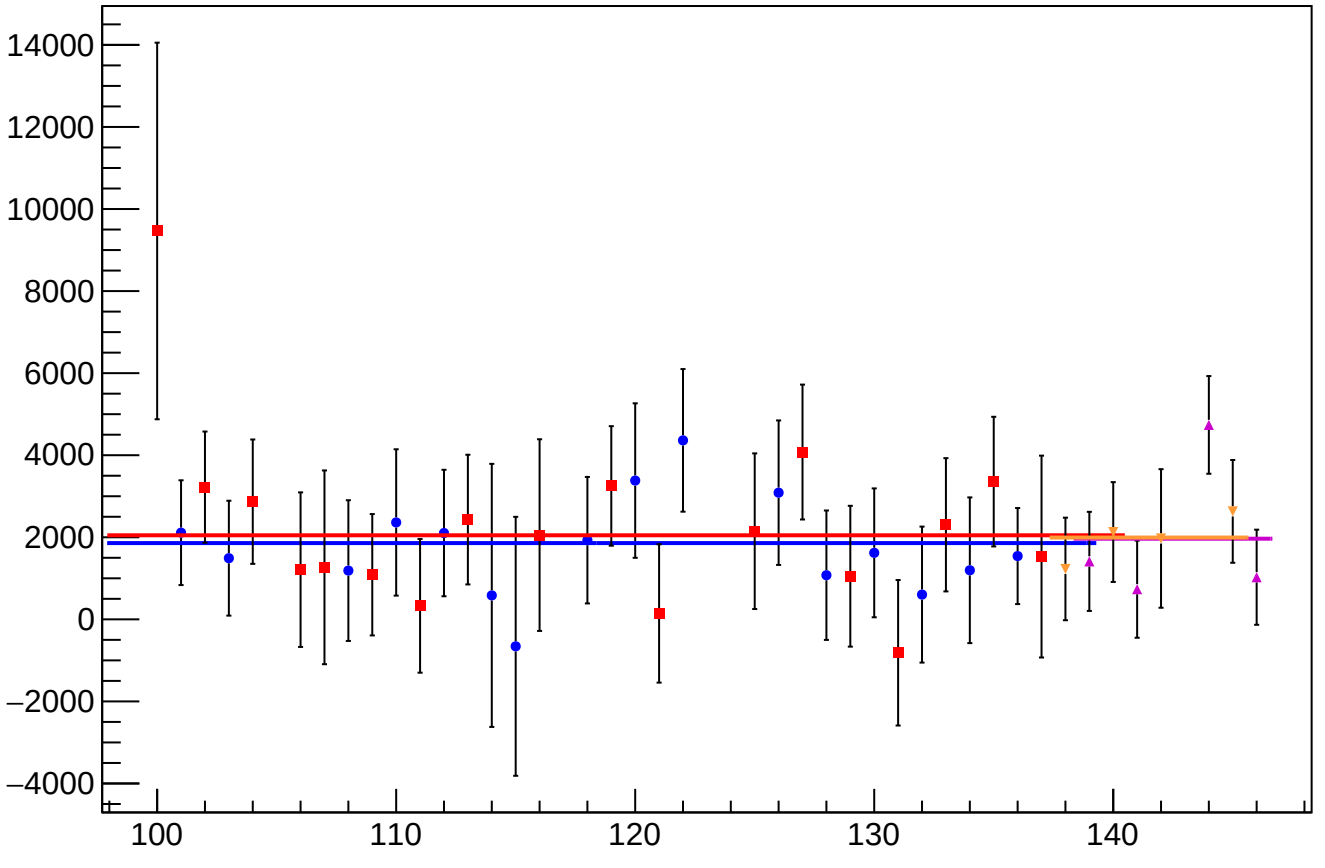
Left: 1515.034+/-0.429 χ^2/NDF: 198701.8/7

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

In: 981.571+/-0.224 χ^2/NDF:2164808.0/19

Out: 971.109+/-0.229 χ^2/NDF:2343460.6/21

All: 976.455+/-0.160 χ^2/NDF: 4509334.9/41



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

Left Out: 1993.363+/-658.753 χ^2/NDF:0.6/3

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

Left In: 1965.388+/-592.413 χ^2/NDF:7.4/3

Left: 1977.896+/-440.491 χ^2/NDF: 8.0/7

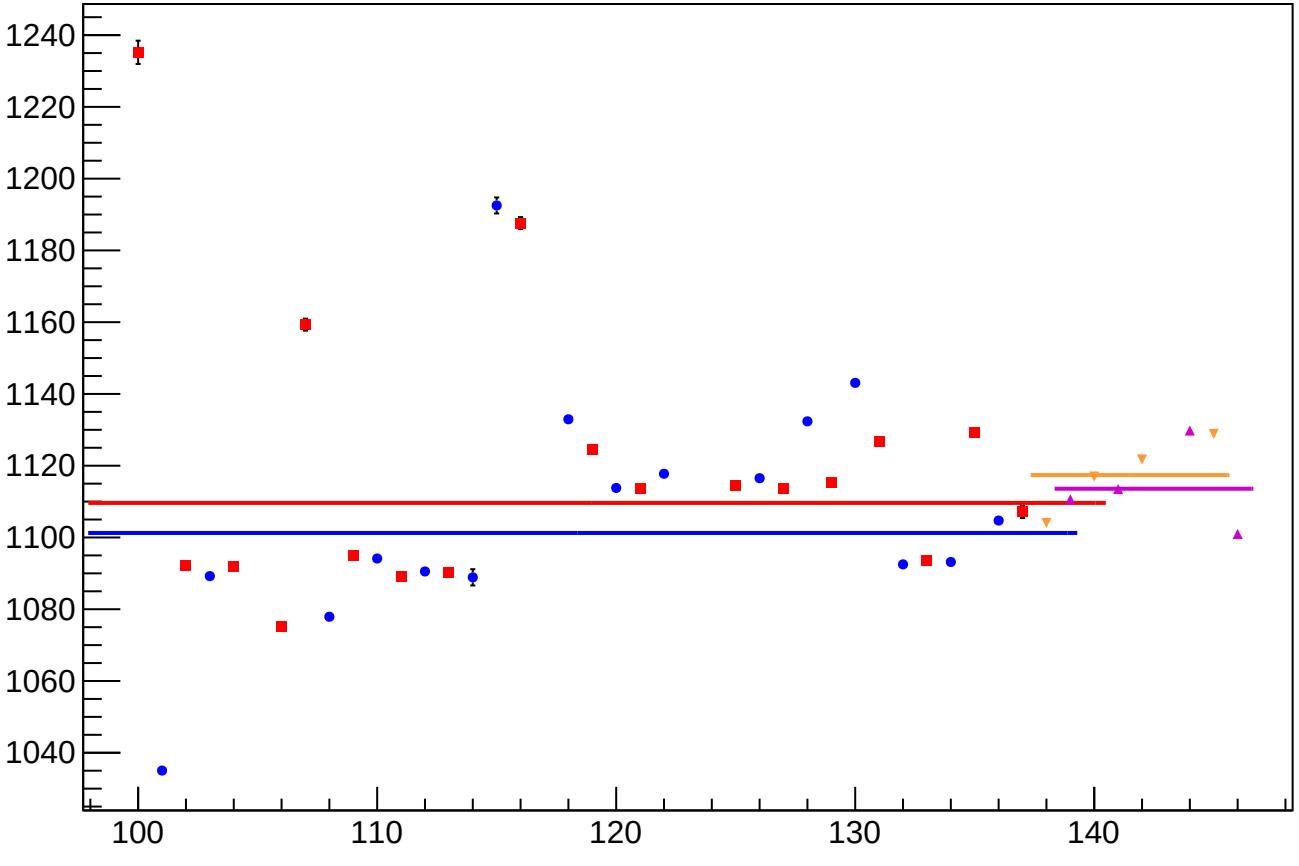
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1893.145+/-336.672 χ^2/NDF:12.8/19

Out: 2033.291+/-347.409 χ^2/NDF:13.4/21

All: 1961.019+/-241.770 χ^2/NDF: 26.3/41

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1117.397+/-0.466 χ^2/NDF:409.2/3

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

Left In: 1113.586+/-0.419 χ^2/NDF:619.1/3

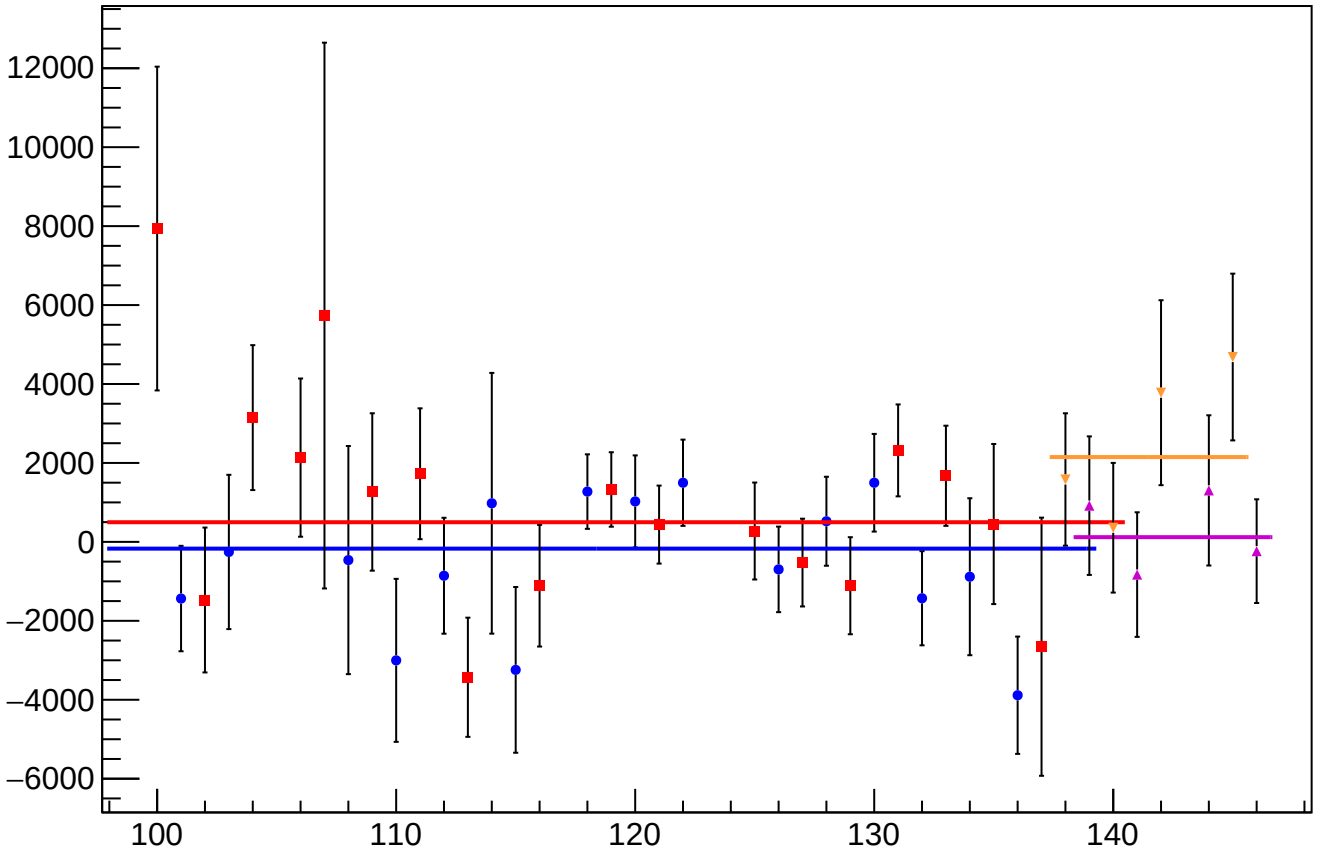
Left: 1115.290+/-0.311 χ^2/NDF: 1065.3/7

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

In: 1105.237+/-0.238 χ^2/NDF:12514.1/19

Out: 1111.789+/-0.246 χ^2/NDF:8283.0/21

All: 1108.410+/-0.171 χ^2/NDF: 21163.9/41



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

Left Out: 2148.747+/-939.742 χ^2/NDF:3.2/3

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

Left In: 119.811+/-795.099 χ^2/NDF:1.0/3

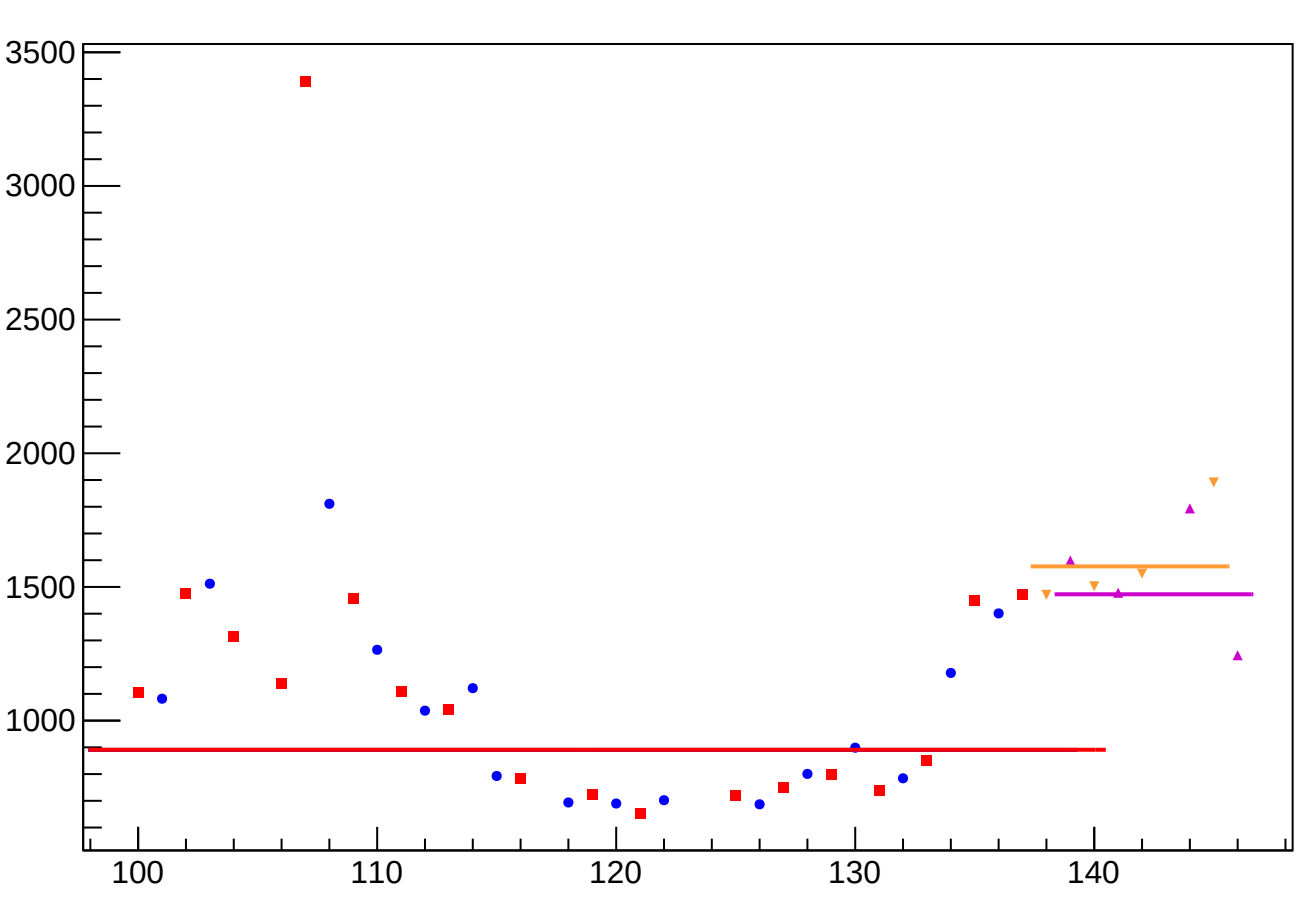
Left: 966.283+/-606.989 χ^2/NDF: 7.0/7

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

In: -124.643+/-317.247 χ^2/NDF:22.1/19

Out: 694.589+/-324.332 χ^2/NDF:29.9/21

All: 275.927+/-226.791 χ^2/NDF: 55.2/41



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

Left Out: 1576.838+/-0.664 χ^2/NDF:56663.0/3

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

Left In: 1472.577+/-0.562 χ^2/NDF:127631.4/3

Left: 1516.075+/-0.429 χ^2/NDF: 198642.1/7

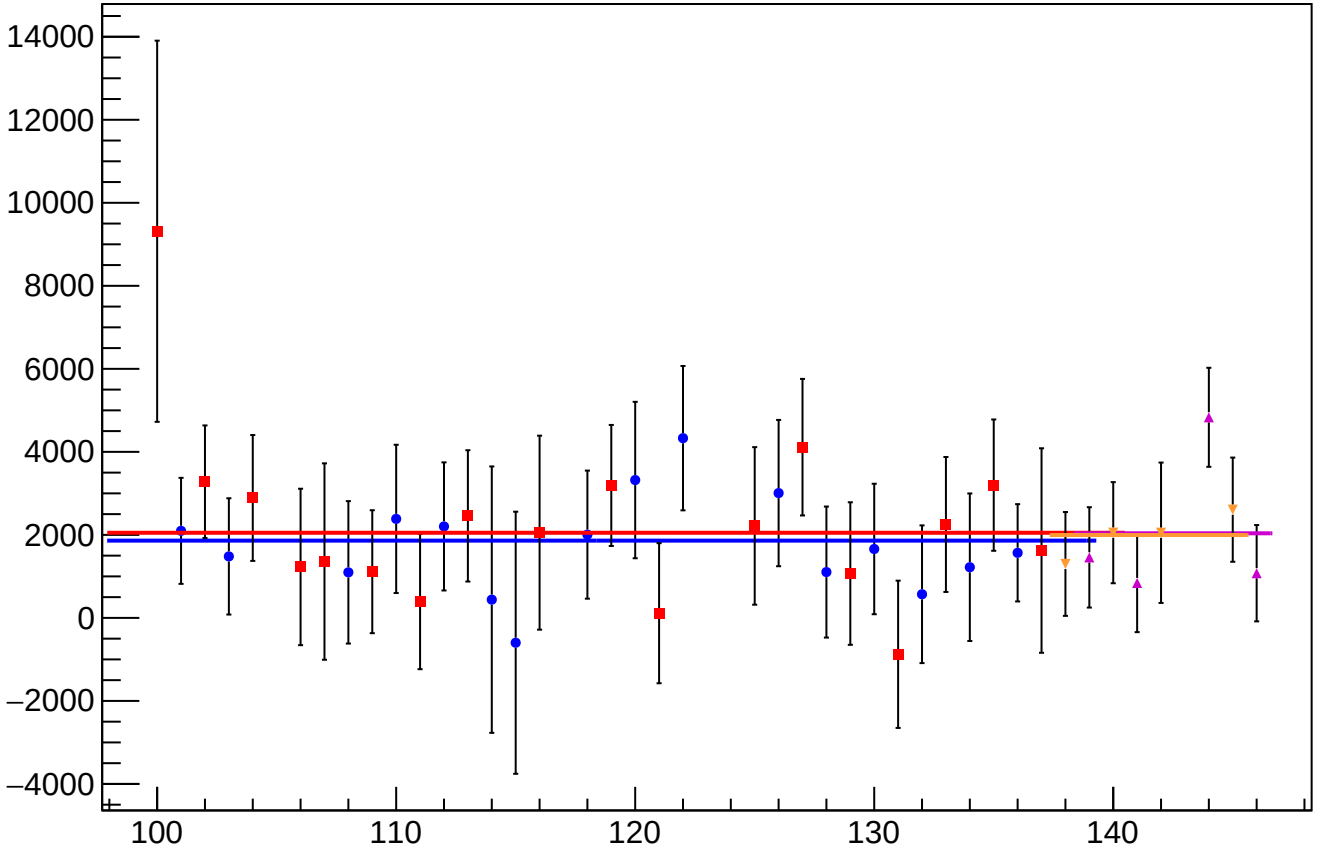
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 983.164+/-0.224 χ^2/NDF:2157626.4/19

Out: 972.639+/-0.229 χ^2/NDF:2337009.4/21

All: 978.018+/-0.160 χ^2/NDF: 4495712.2/41

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1996.320+/-659.700 χ^2/NDF:0.6/3

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

Left In: 2038.301+/-593.176 χ^2/NDF:7.4/3

Left: 2019.533+/-441.088 χ^2/NDF: 8.0/7

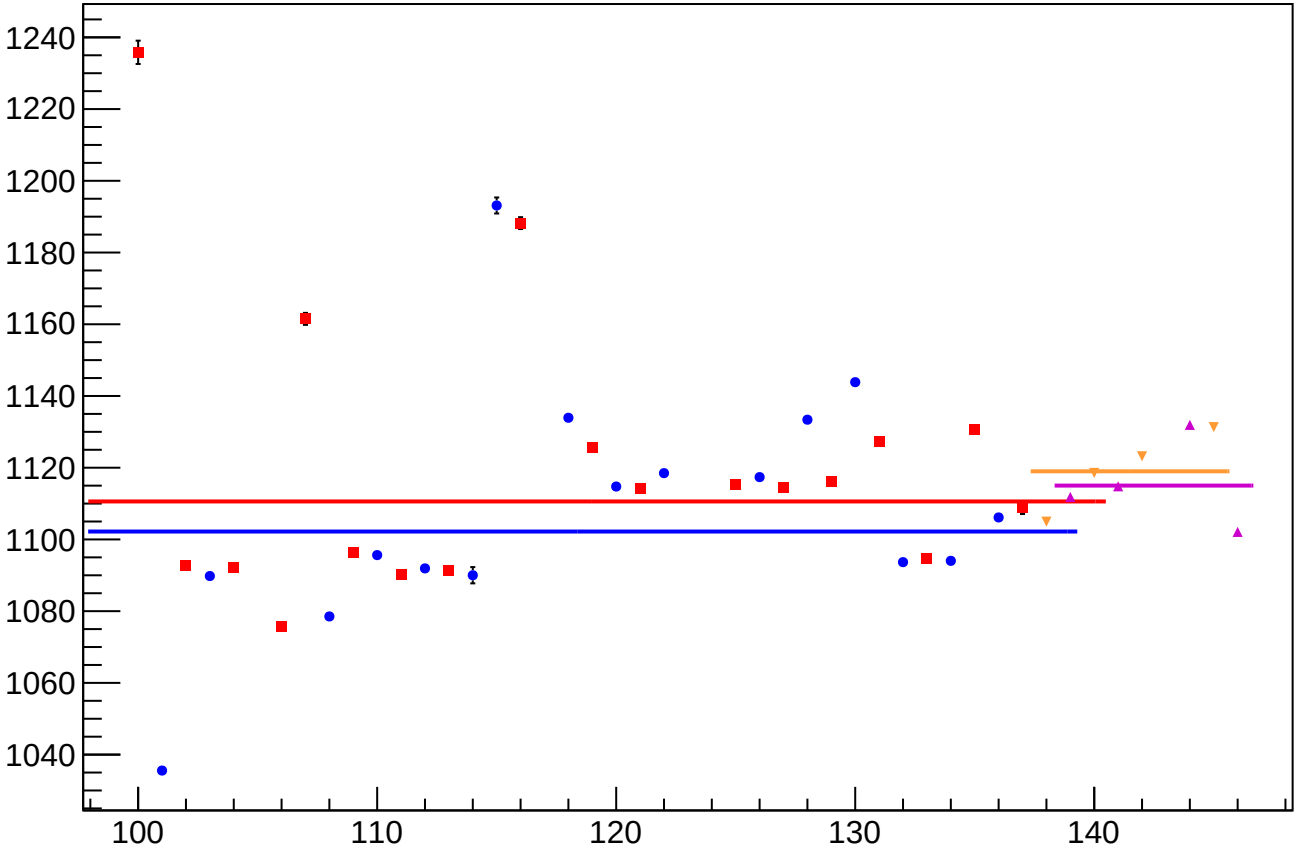
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1918.586+/-337.009 χ^2/NDF:12.8/19

Out: 2035.690+/-347.766 χ^2/NDF:13.1/21

All: 1975.299+/-242.015 χ^2/NDF: 26.0/41

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1118.997+/-0.466 χ^2/NDF:457.3/3

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

Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

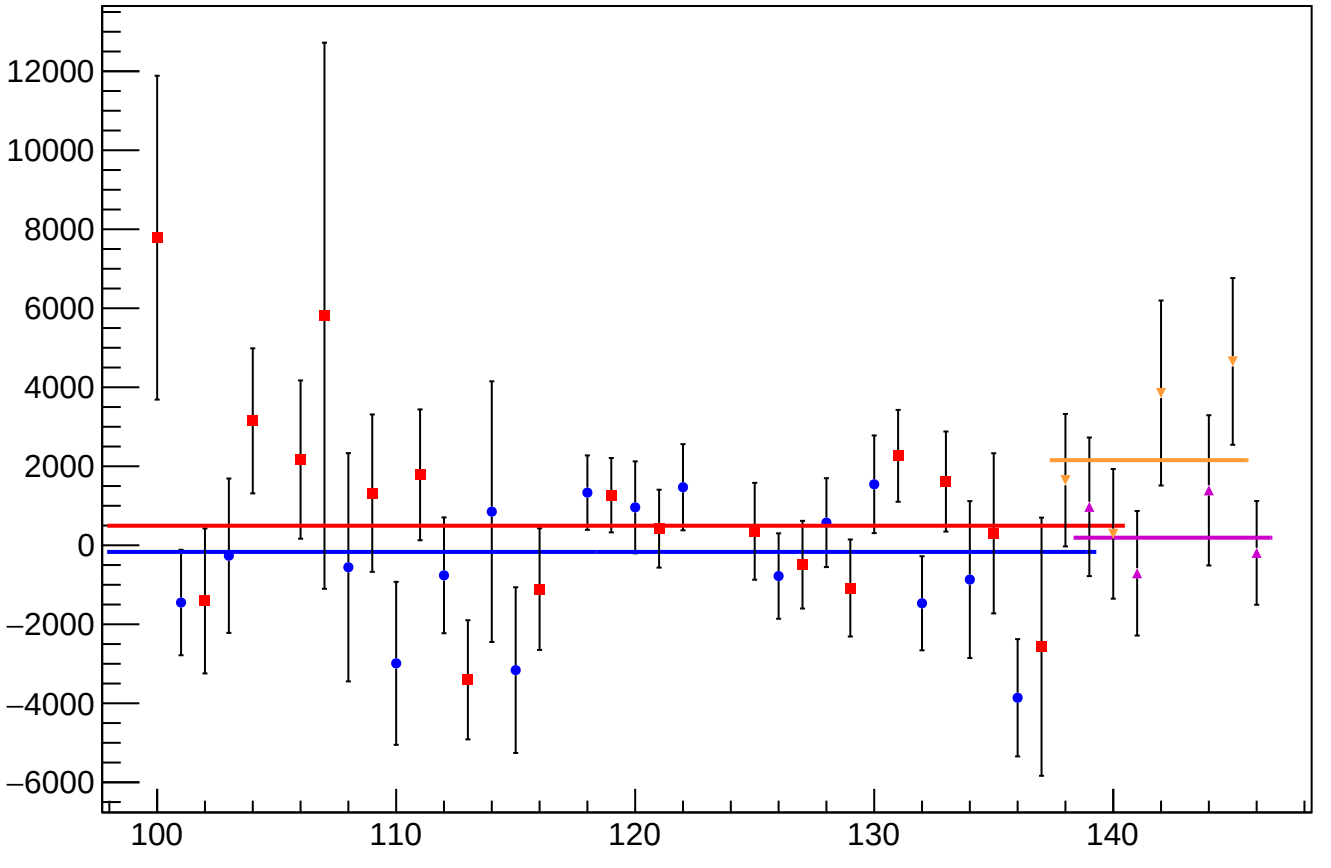
Left: 1116.795+/-0.312 χ^2/NDF: 1161.8/7

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

In: 1106.340+/-0.238 χ^2/NDF:12644.8/19

Out: 1112.927+/-0.246 χ^2/NDF:8387.8/21

All: 1109.530+/-0.171 χ^2/NDF: 21402.6/41



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

Left Out: 2154.019+/-939.118 χ^2/NDF:3.3/3

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

Left In: 192.383+/-794.553 χ^2/NDF:1.0/3

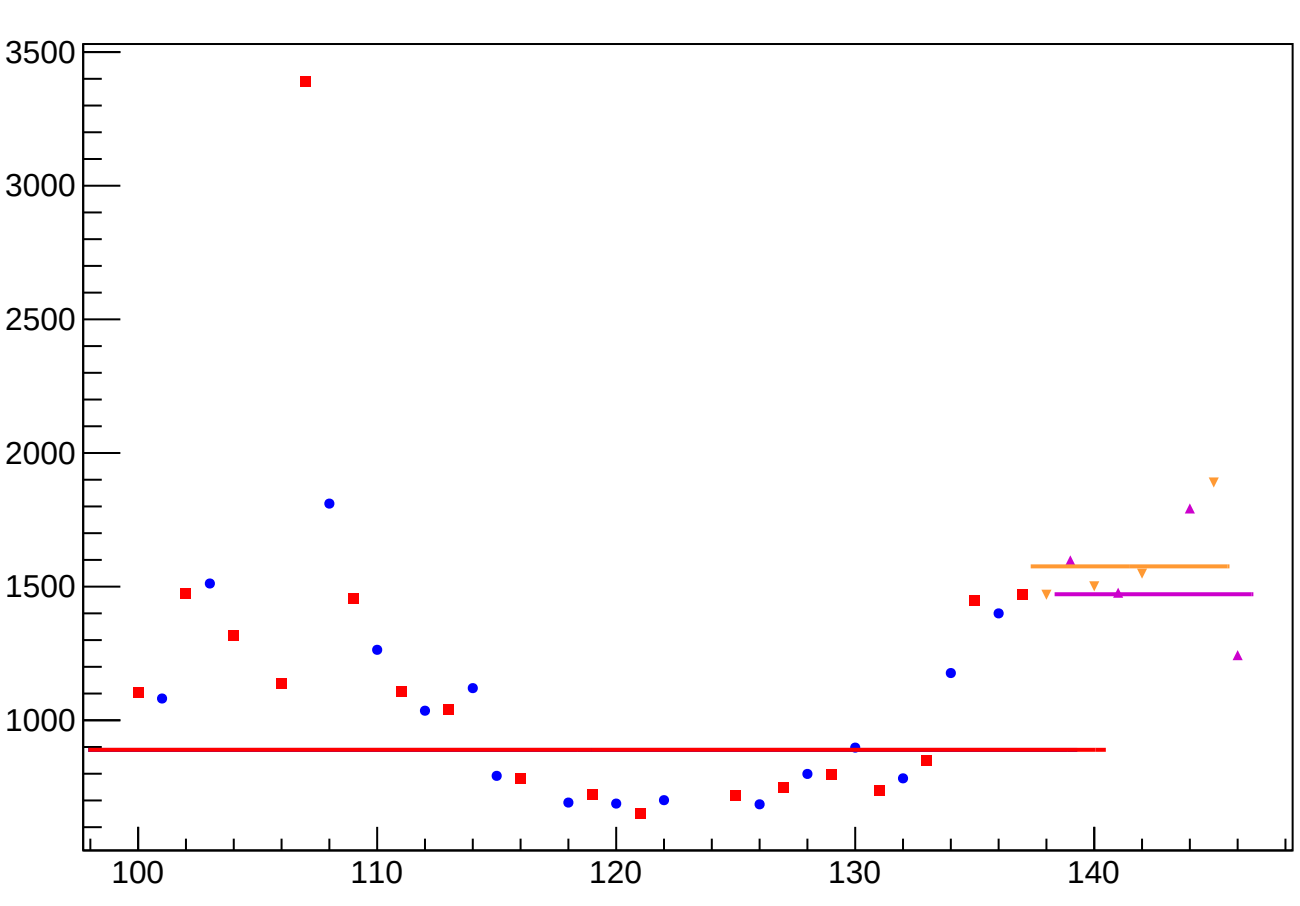
Left: 1010.755+/-606.578 χ^2/NDF: 6.9/7

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

In: -110.619+/-316.796 χ^2/NDF:22.2/19

Out: 692.480+/-323.884 χ^2/NDF:29.3/21

All: 282.047+/-226.473 χ^2/NDF: 54.7/41



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

Left Out: 1575.784+/-0.664 χ^2/NDF:56626.3/3

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

Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

Left: 1515.034+/-0.429 χ^2/NDF: 198701.8/7

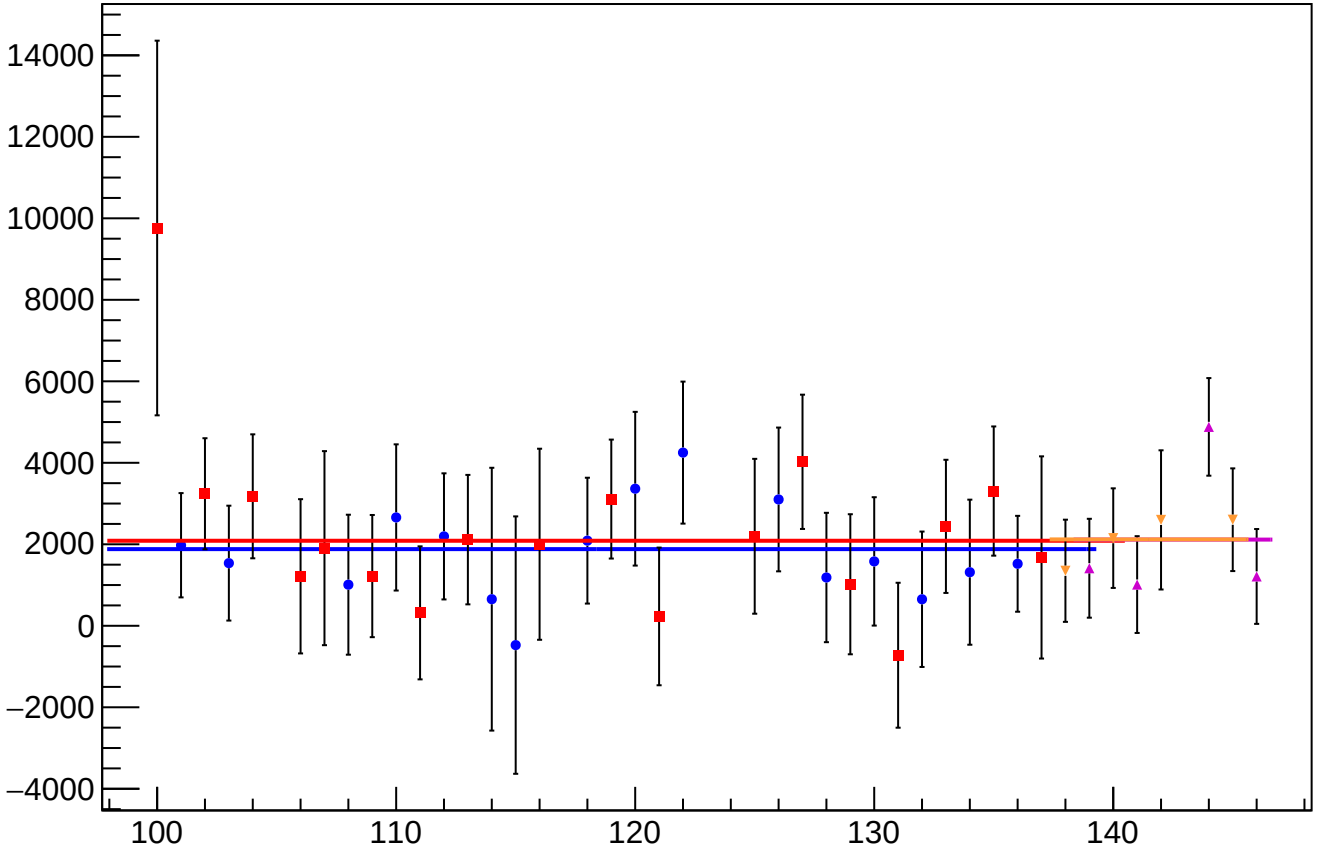
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 981.571+/-0.224 χ^2/NDF:2164808.0/19

Out: 971.109+/-0.229 χ^2/NDF:2343460.6/21

All: 976.455+/-0.160 χ^2/NDF: 4509334.9/41

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2119.724+/-662.564 χ^2/NDF:0.6/3

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

Left In: 2115.384+/-595.141 χ^2/NDF:7.1/3

Left: 2117.322+/-442.752 χ^2/NDF: 7.7/7

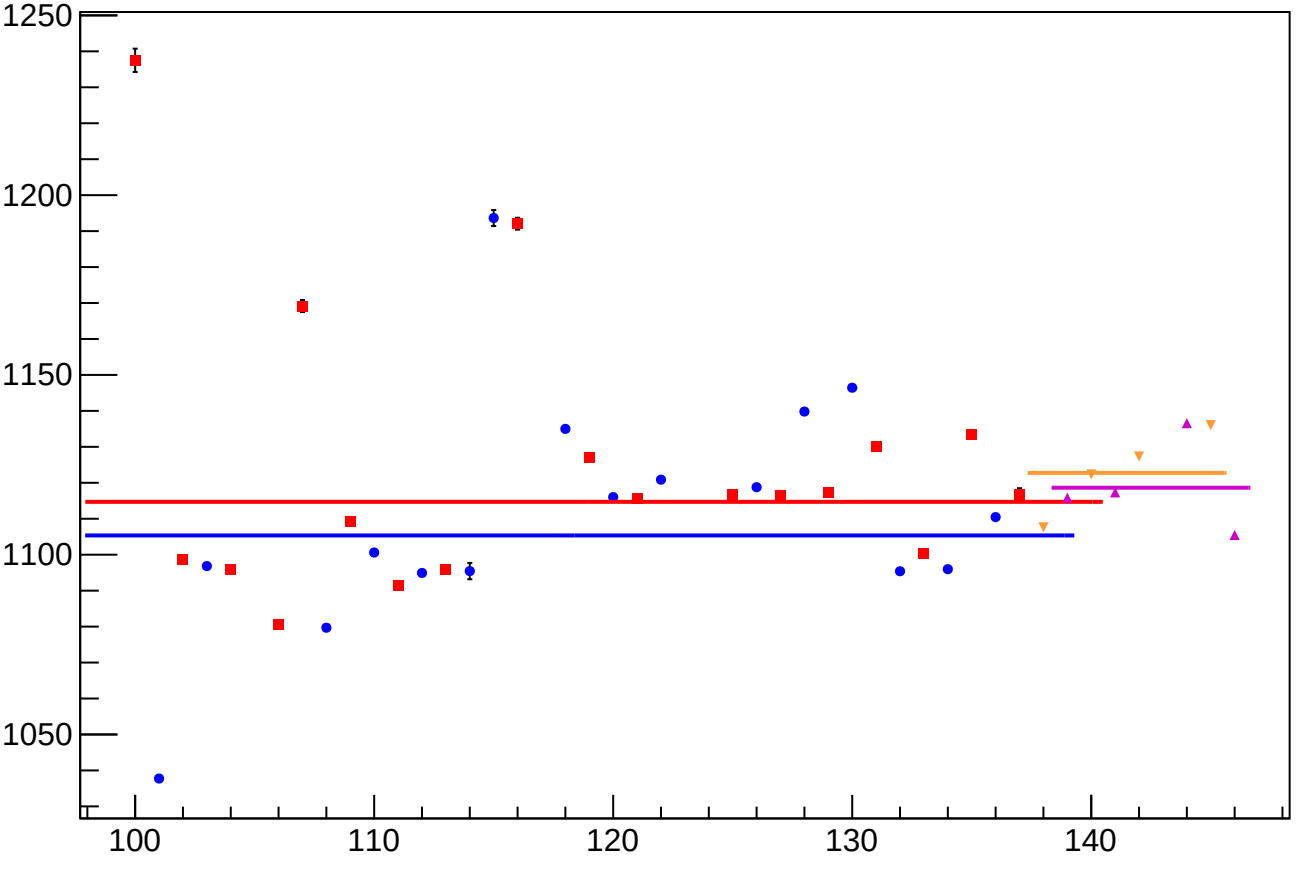
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1956.966+/-338.025 χ^2/NDF:12.4/19

Out: 2096.004+/-349.128 χ^2/NDF:13.0/21

All: 2024.239+/-242.850 χ^2/NDF: 25.5/41

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1122.755+/-0.469 χ^2/NDF:528.1/3

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

Left In: 1118.635+/-0.421 χ^2/NDF:717.5/3

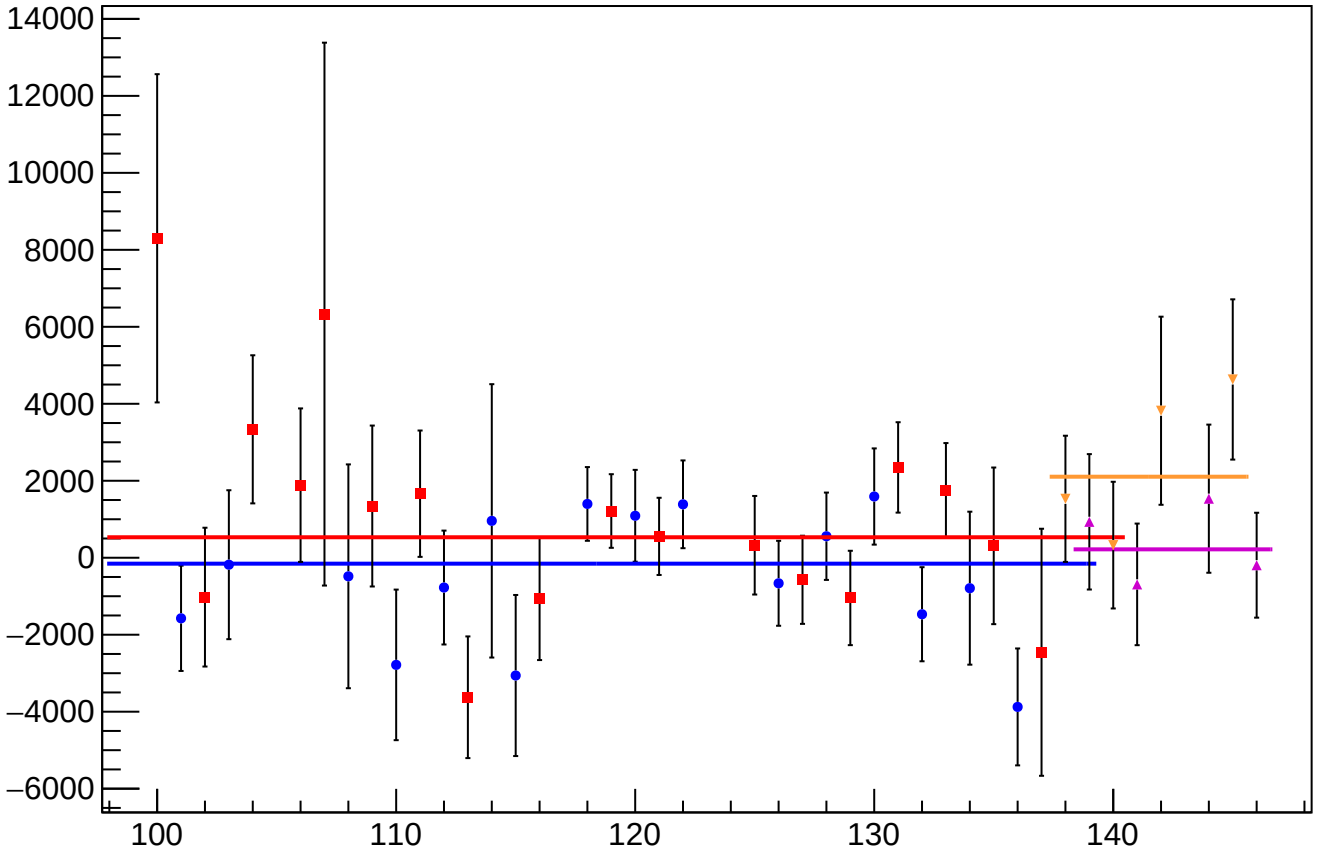
Left: 1120.475+/-0.313 χ^2/NDF: 1288.4/7

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

In: 1109.639+/-0.239 χ^2/NDF:12723.0/19

Out: 1116.940+/-0.247 χ^2/NDF:8071.7/21

All: 1113.172+/-0.172 χ^2/NDF: 21246.1/41



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

Left Out: 2105.375+/-936.719 χ^2/NDF:3.3/3

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

Left In: 218.129+/-807.823 χ^2/NDF:1.1/3

Left: 1023.069+/-611.754 χ^2/NDF: 6.6/7

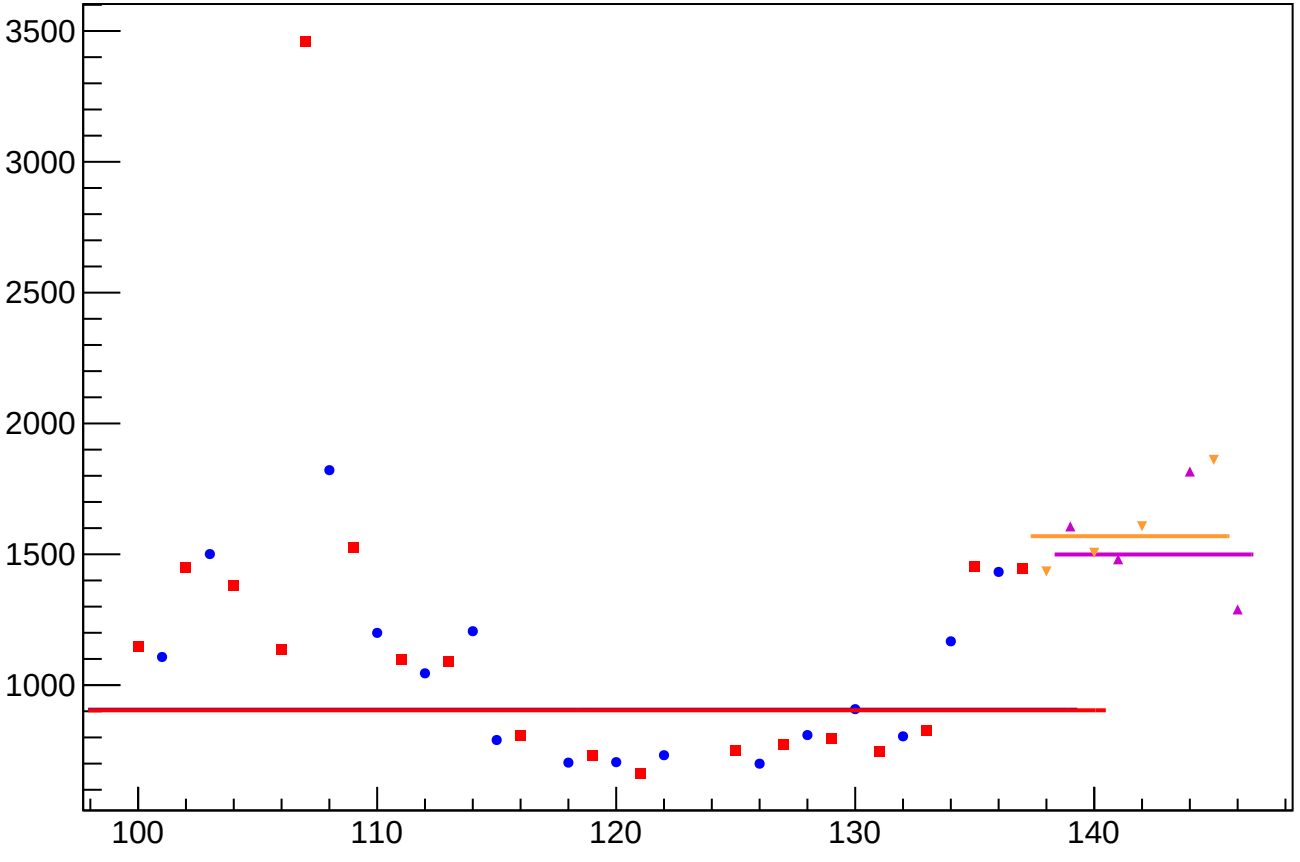
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: -94.812+/-322.170 χ^2/NDF:21.7/19

Out: 725.279+/-328.196 χ^2/NDF:29.0/21

All: 307.636+/-229.909 χ^2/NDF: 53.8/41

asym_usl_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1569.193+/-0.662 χ^2/NDF:56223.7/3

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

Left In: 1499.261+/-0.571 χ^2/NDF:109449.7/3

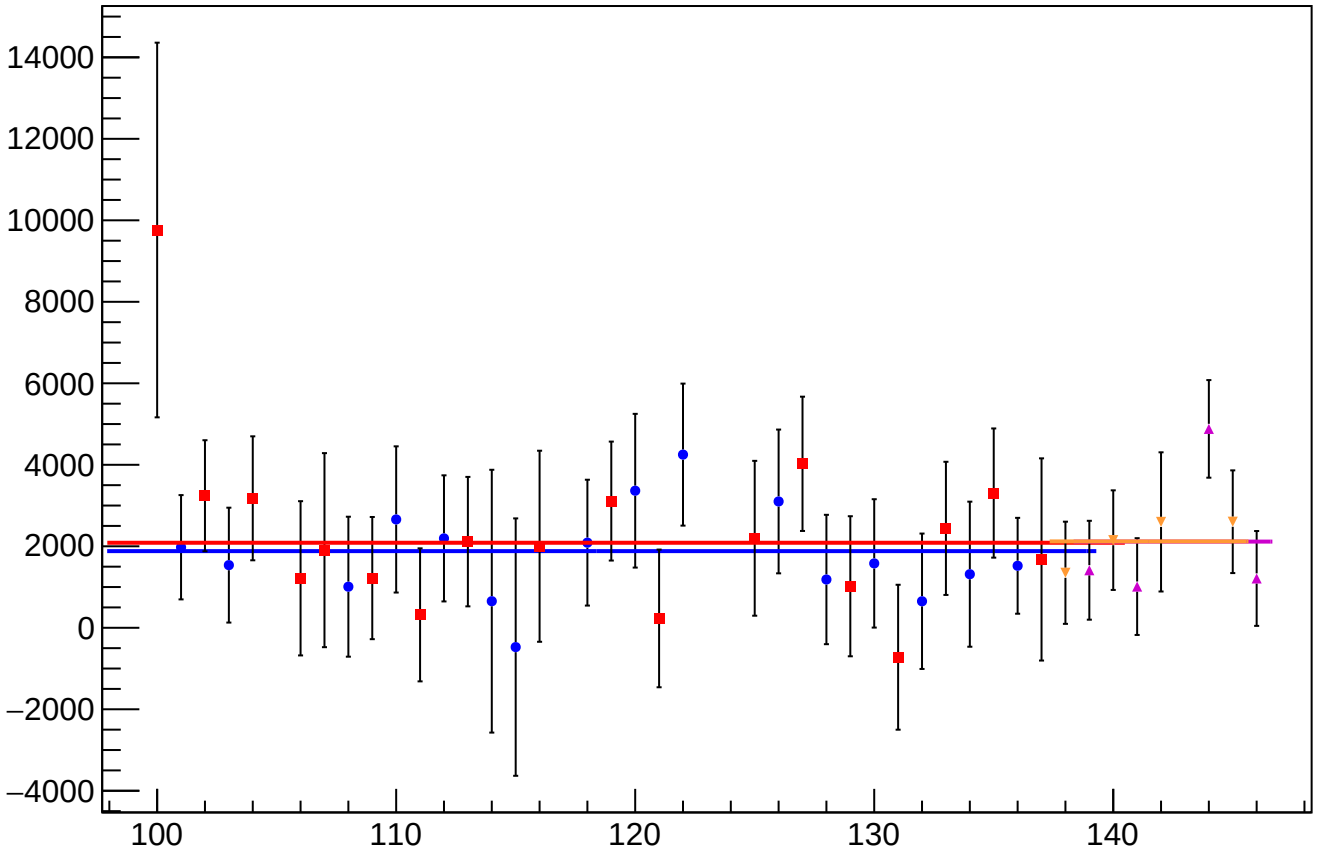
Left: 1529.088+/-0.433 χ^2/NDF: 172066.1/7

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

In: 1000.389+/-0.228 χ^2/NDF:2095883.1/19

Out: 985.441+/-0.232 χ^2/NDF:2281624.7/21

All: 993.053+/-0.163 χ^2/NDF: 4379620.8/41



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

Left Out: 2119.728+/-662.564 χ^2/NDF:0.6/3

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

Left In: 2115.385+/-595.141 χ^2/NDF:7.1/3

Left: 2117.325+/-442.752 χ^2/NDF: 7.7/7

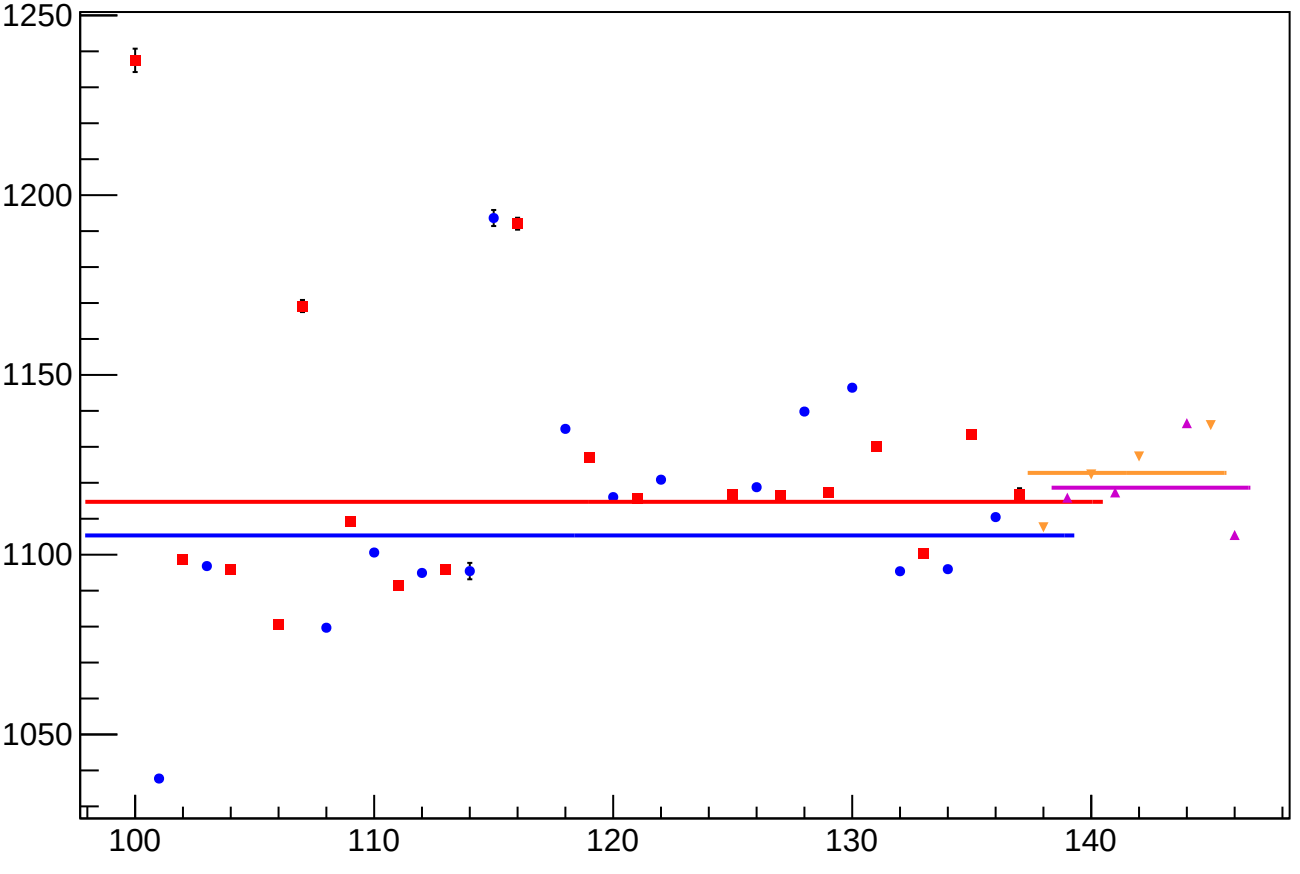
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1956.966+/-338.025 χ^2/NDF:12.4/19

Out: 2096.003+/-349.128 χ^2/NDF:13.0/21

All: 2024.239+/-242.850 χ^2/NDF: 25.5/41

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1122.755+/-0.469 χ^2/NDF:528.1/3

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

Left In: 1118.635+/-0.421 χ^2/NDF:717.5/3

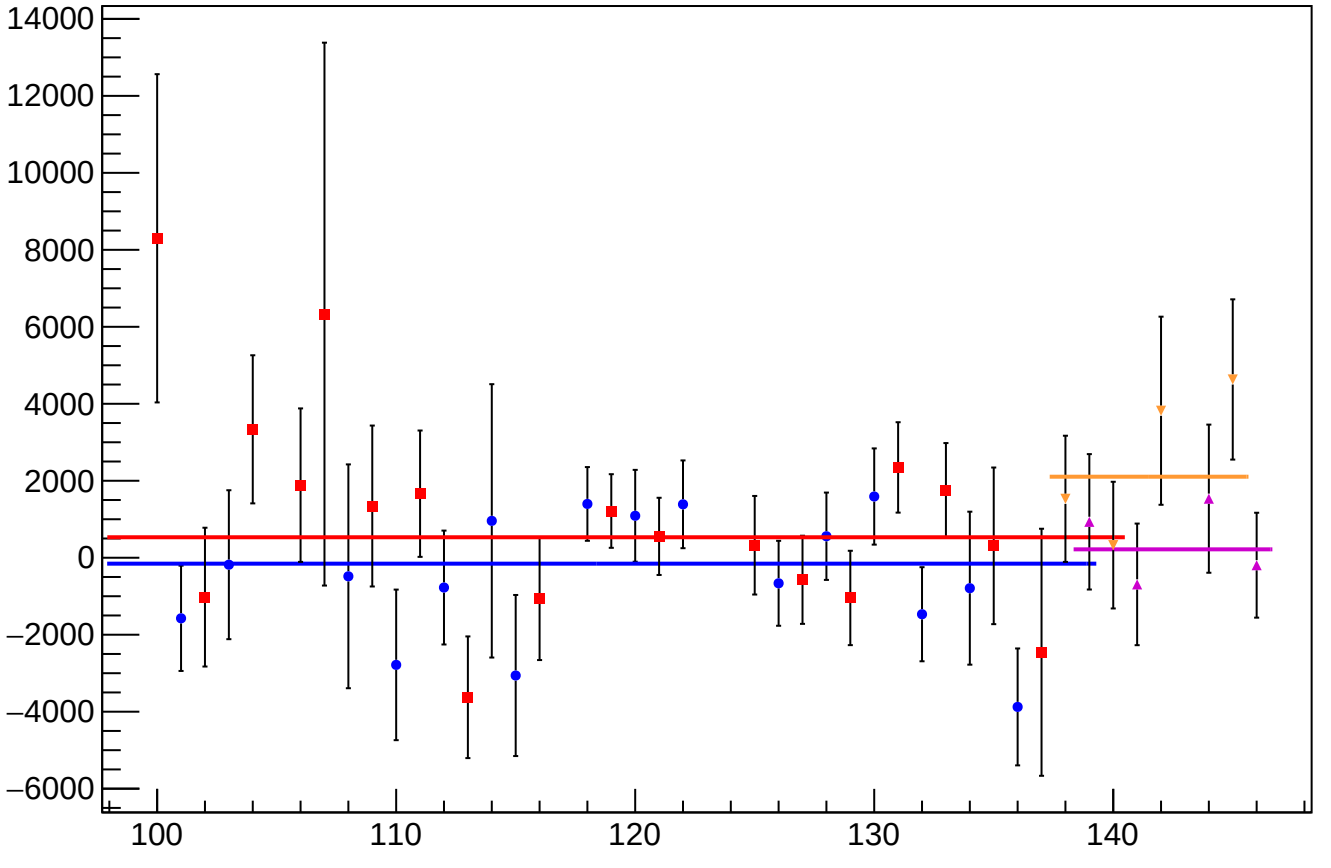
Left: 1120.475+/-0.313 χ^2/NDF: 1288.4/7

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

In: 1109.639+/-0.239 χ^2/NDF:12723.0/19

Out: 1116.940+/-0.247 χ^2/NDF:8071.6/21

All: 1113.172+/-0.172 χ^2/NDF: 21246.0/41



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

Left Out: 2105.379+/-936.721 χ^2/NDF:3.3/3

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

Left In: 218.130+/-807.824 χ^2/NDF:1.1/3

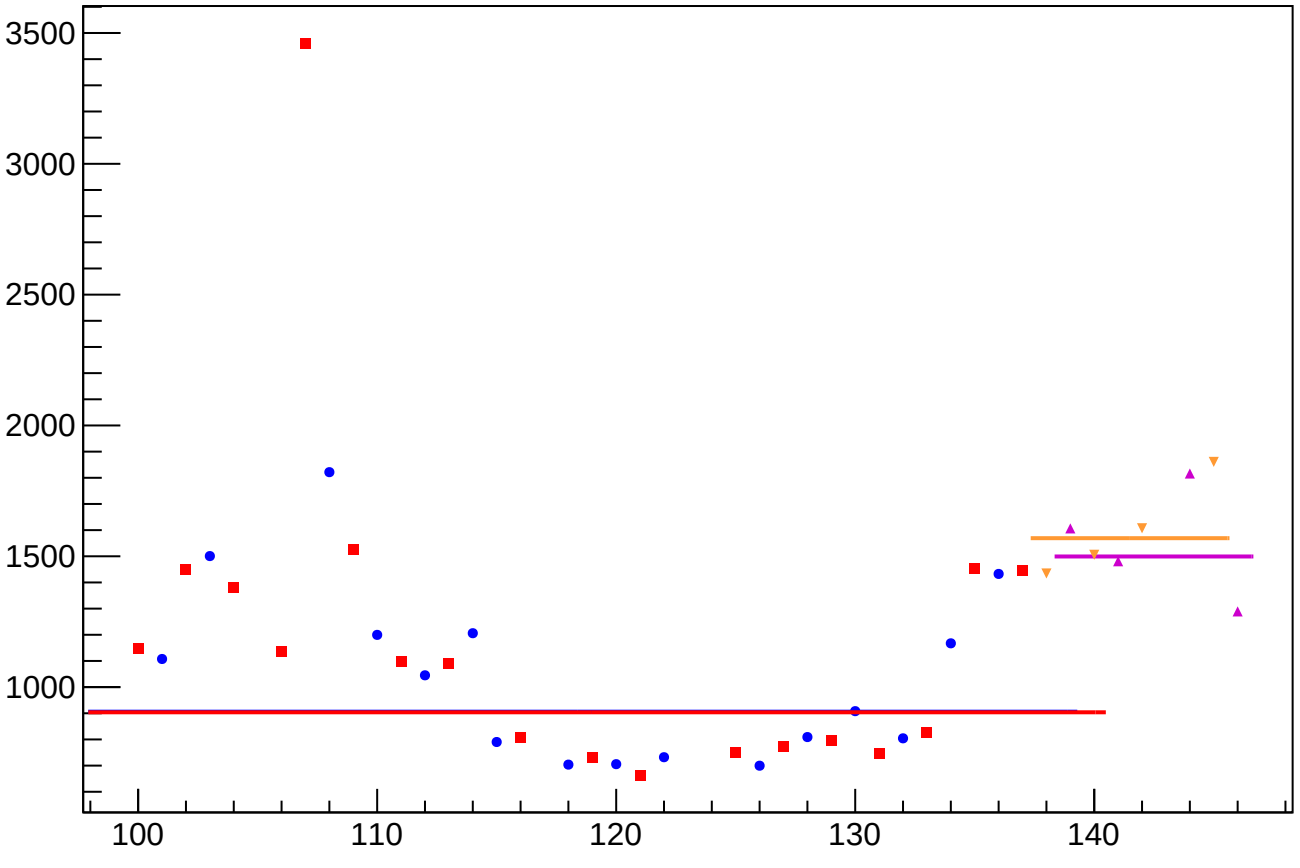
Left: 1023.072+/-611.755 χ^2/NDF: 6.6/7

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

In: -94.811+/-322.169 χ^2/NDF:21.7/19

Out: 725.278+/-328.195 χ^2/NDF:29.0/21

All: 307.636+/-229.909 χ^2/NDF: 53.8/41



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

Left Out: 1569.195+/-0.662 χ^2/NDF:56223.6/3

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

Left In: 1499.263+/-0.571 χ^2/NDF:109449.5/3

Left: 1529.090+/-0.433 χ^2/NDF: 172065.9/7

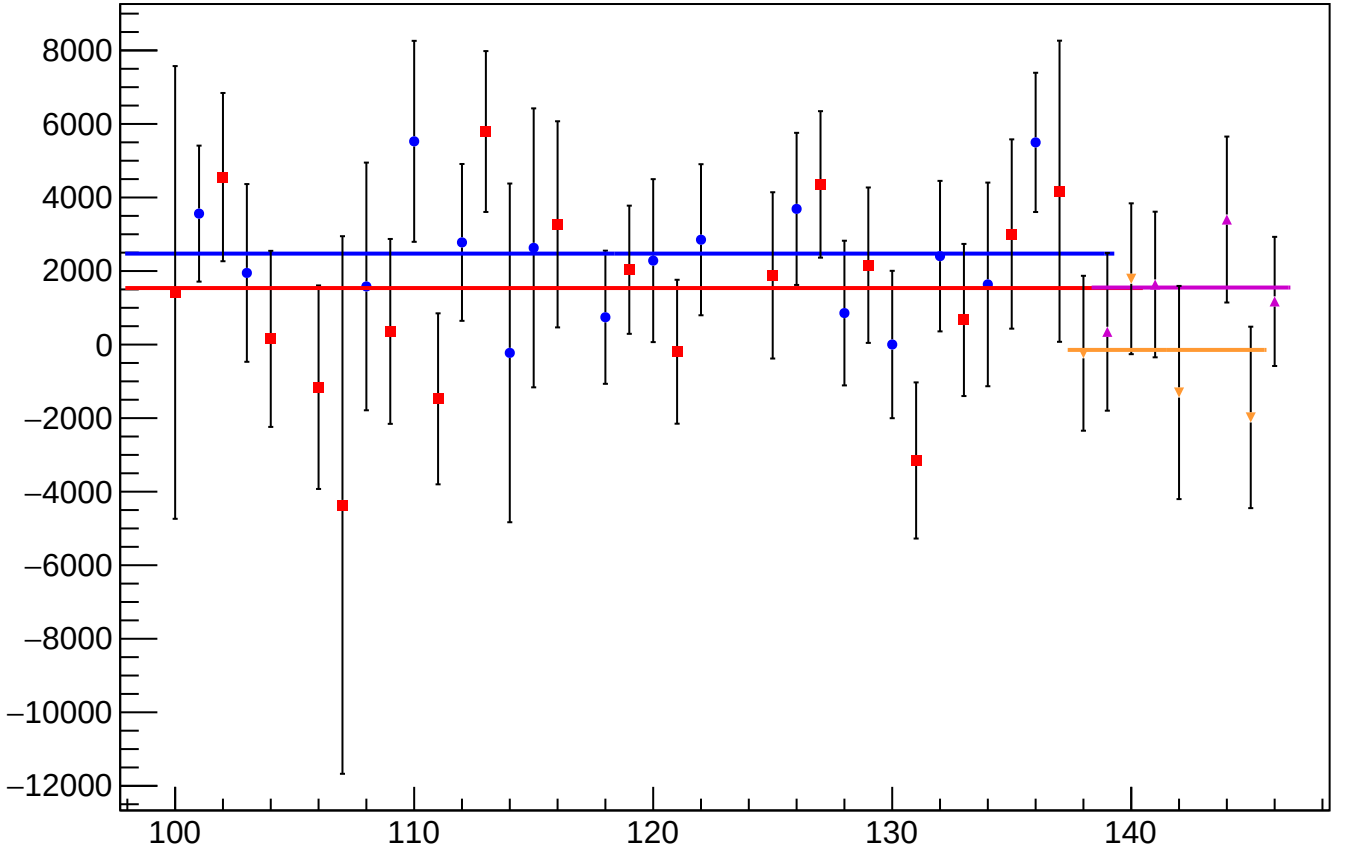
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1000.387+/-0.228 χ^2/NDF:2095898.4/19

Out: 985.439+/-0.232 χ^2/NDF:2281637.2/21

All: 993.051+/-0.163 χ^2/NDF: 4379648.6/41

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: -144.881+/-1157.444 χ^2/NDF:1.6/3

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

Left In: 1551.279+/-1003.437 χ^2/NDF:1.0/3

Left: 823.474+/-758.183 χ^2/NDF: 3.9/7

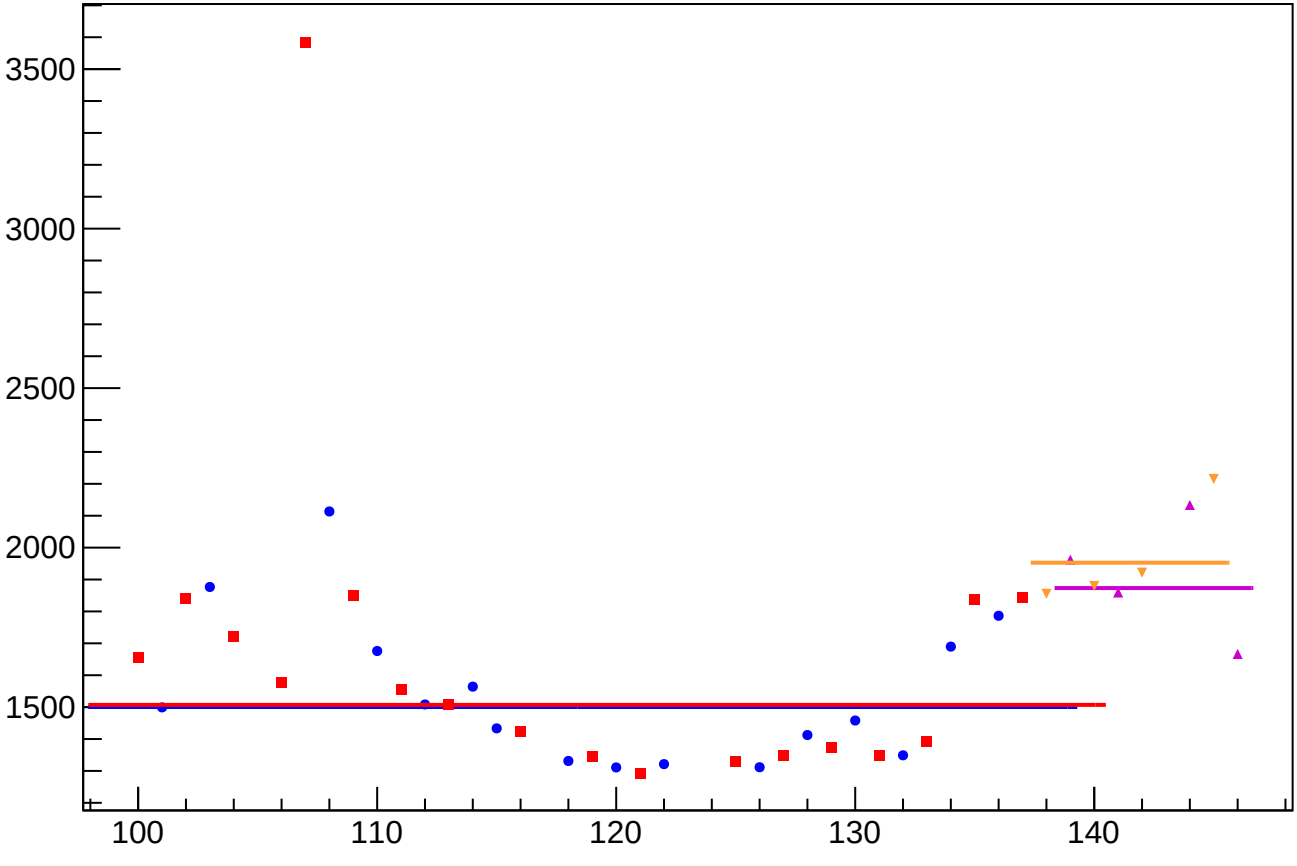
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 2253.246+/-490.861 χ^2/NDF:9.9/19

Out: 1215.041+/-506.688 χ^2/NDF:21.8/21

All: 1750.611+/-352.554 χ^2/NDF: 33.9/41

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1952.794+/-0.818 χ^2/NDF:29710.8/3

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

Left In: 1873.261+/-0.710 χ^2/NDF:57890.9/3

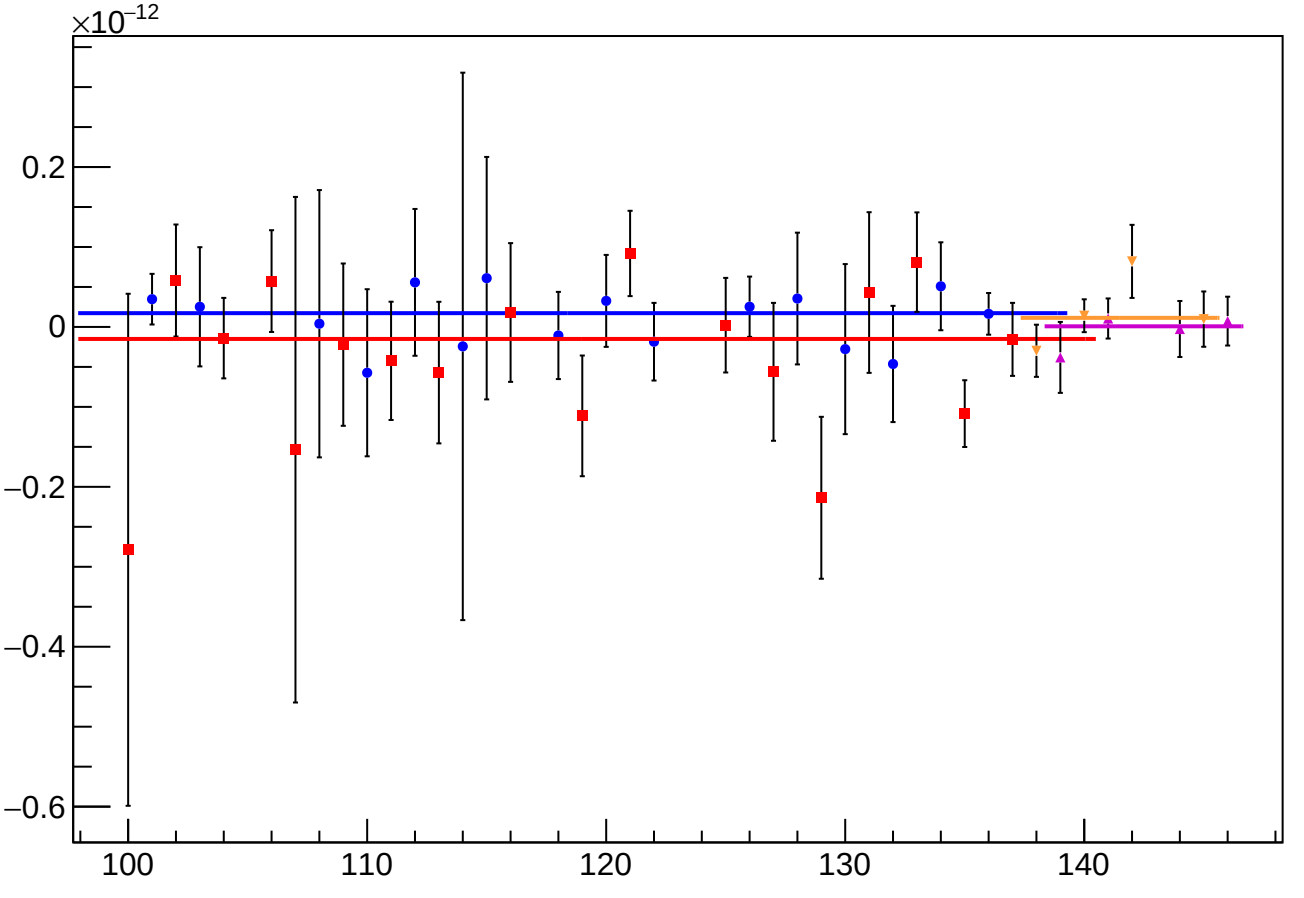
Left: 1907.388+/-0.536 χ^2/NDF: 92992.9/7

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

In: 1589.607+/-0.347 χ^2/NDF:526777.2/19

Out: 1592.510+/-0.358 χ^2/NDF:670663.3/21

All: 1591.012+/-0.249 χ^2/NDF: 1197474.4/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/3

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

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

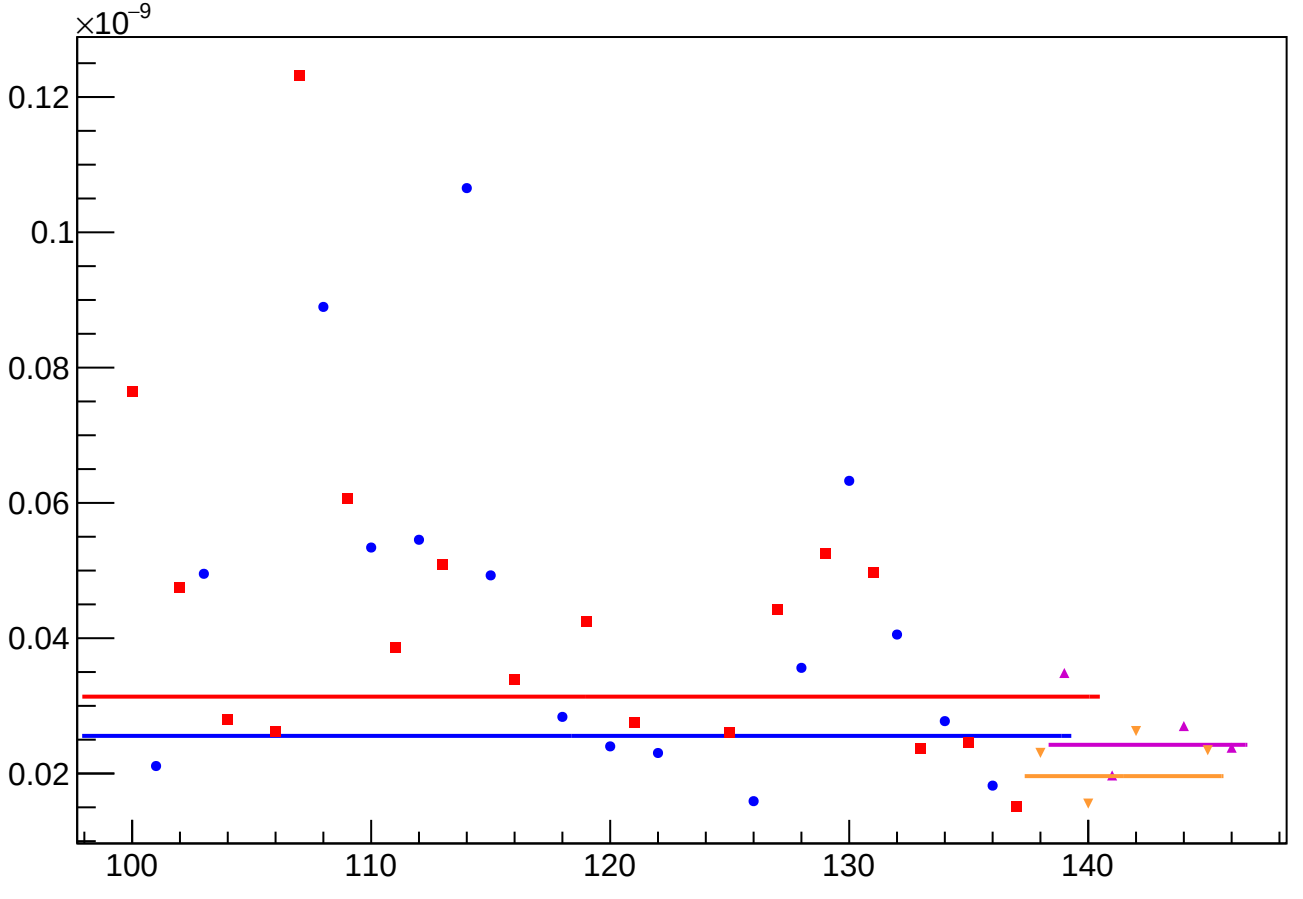
Left: 0.000+/-0.000 χ^2/NDF: 5.2/7

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:5.0/19

Out: -0.000+/-0.000 χ^2/NDF:26.8/21

All: 0.000+/-0.000 χ^2/NDF: 32.3/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:167325.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:192692.9/3

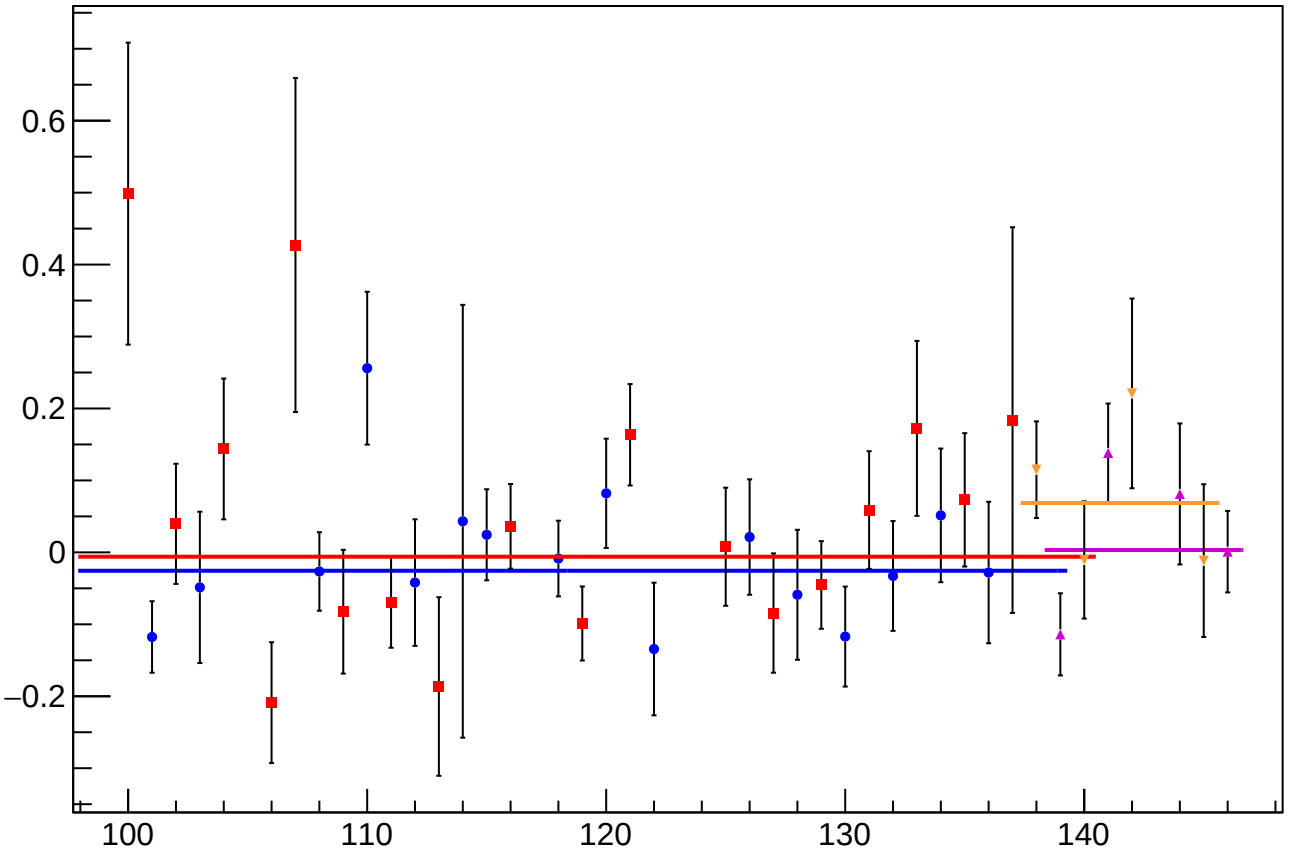
Left: 0.000+/-0.000 χ^2/NDF: 451774.9/7

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

In: 0.000+/-0.000 χ^2/NDF:1908530.2/19

Out: 0.000+/-0.000 χ^2/NDF:1976412.5/21

All: 0.000+/-0.000 χ^2/NDF: 3884962.2/41



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

Left Out: 0.069+/-0.044 χ^2/NDF:3.3/3

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

Left In: 0.003+/-0.033 χ^2/NDF:8.7/3

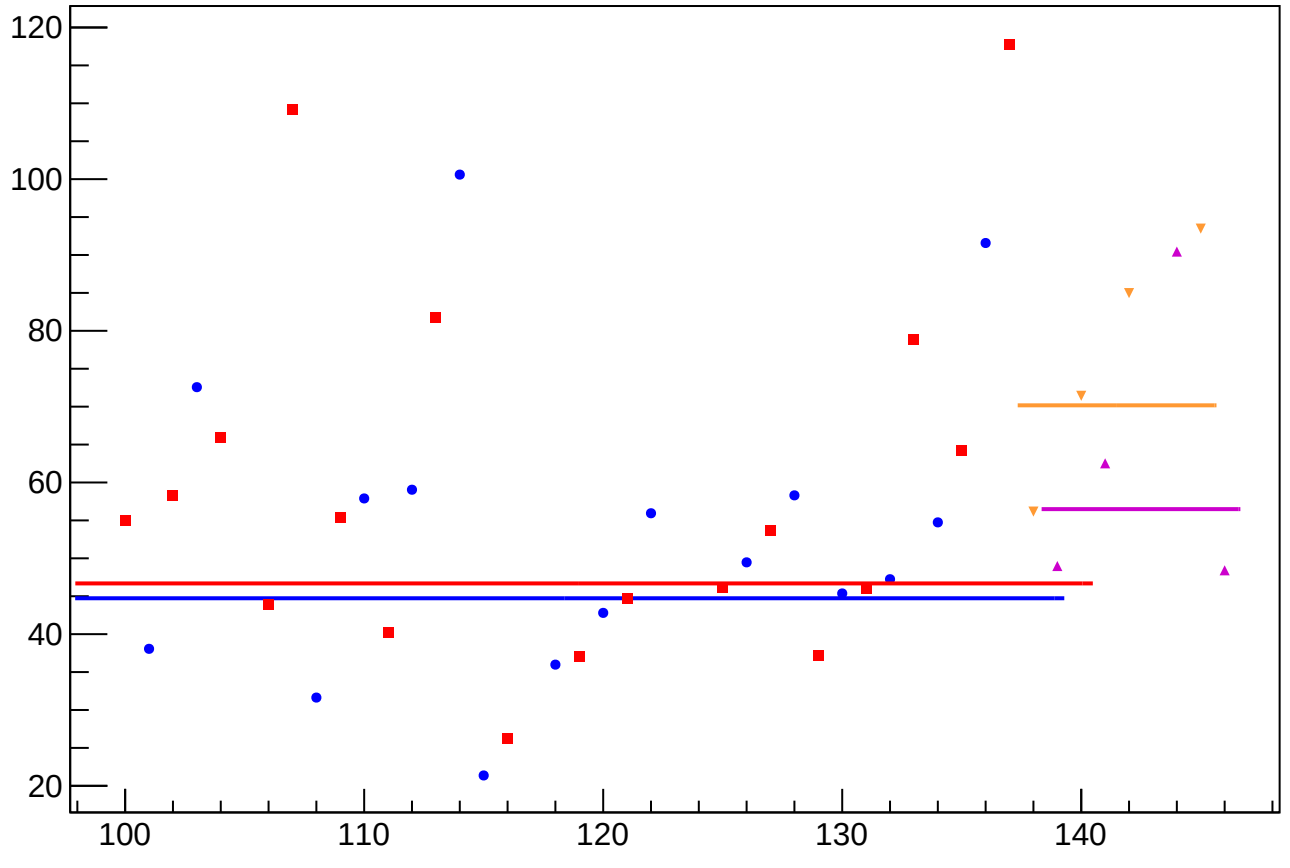
Left: 0.027+/-0.026 χ^2/NDF: 13.4/7

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

In: -0.018+/-0.016 χ^2/NDF:26.9/19

Out: 0.006+/-0.018 χ^2/NDF:42.3/21

All: -0.007+/-0.012 χ^2/NDF: 70.2/41



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

Left Out: 70.174+/-0.031 χ^2/NDF:209157.6/3

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

Left In: 56.487+/-0.023 χ^2/NDF:330732.4/3

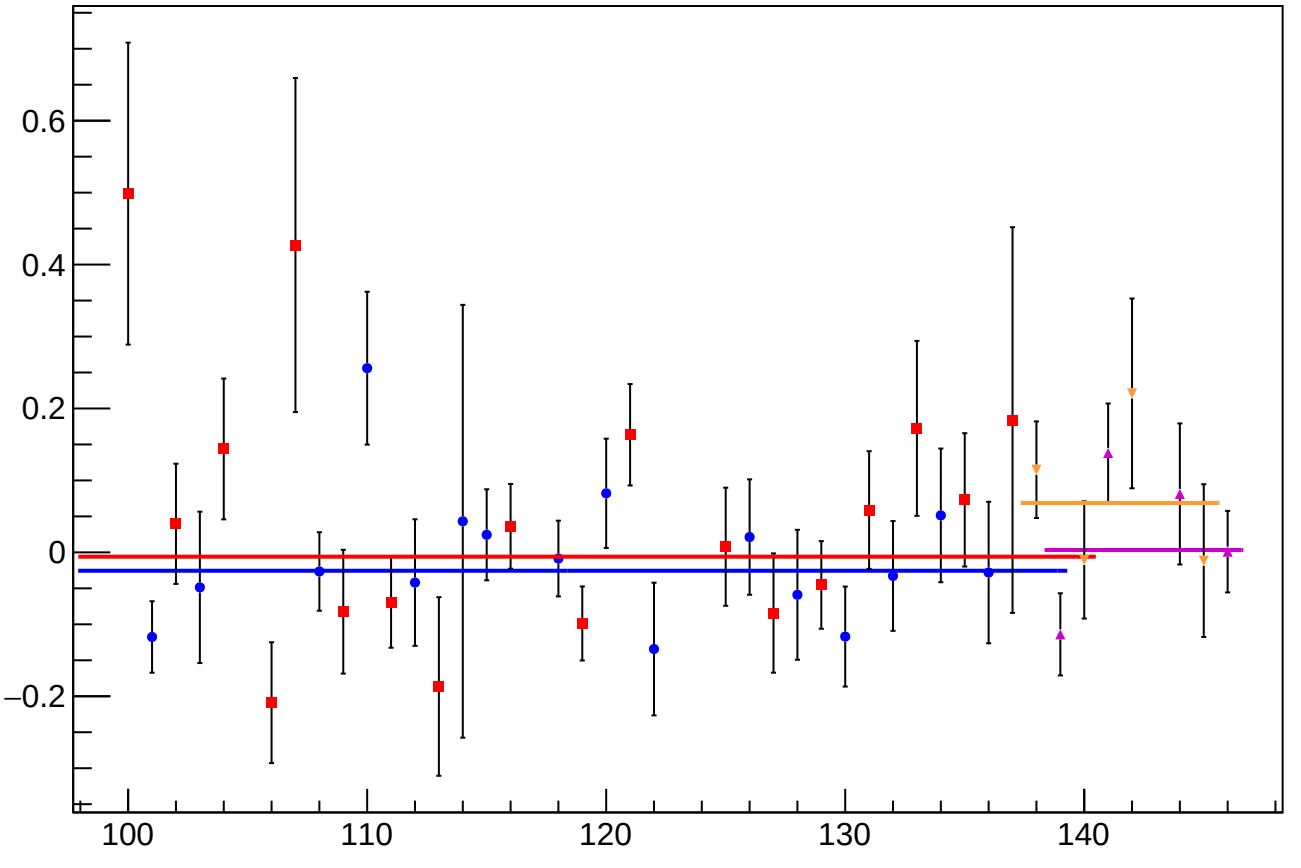
Left: 61.374+/-0.019 χ^2/NDF: 664863.2/7

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

In: 47.643+/-0.012 χ^2/NDF:1859518.8/19

Out: 50.524+/-0.013 χ^2/NDF:1883411.1/21

All: 48.960+/-0.008 χ^2/NDF: 3771562.1/41



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

Left Out: 0.069+/-0.044 χ^2/NDF:3.3/3

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

Left In: 0.003+/-0.033 χ^2/NDF:8.7/3

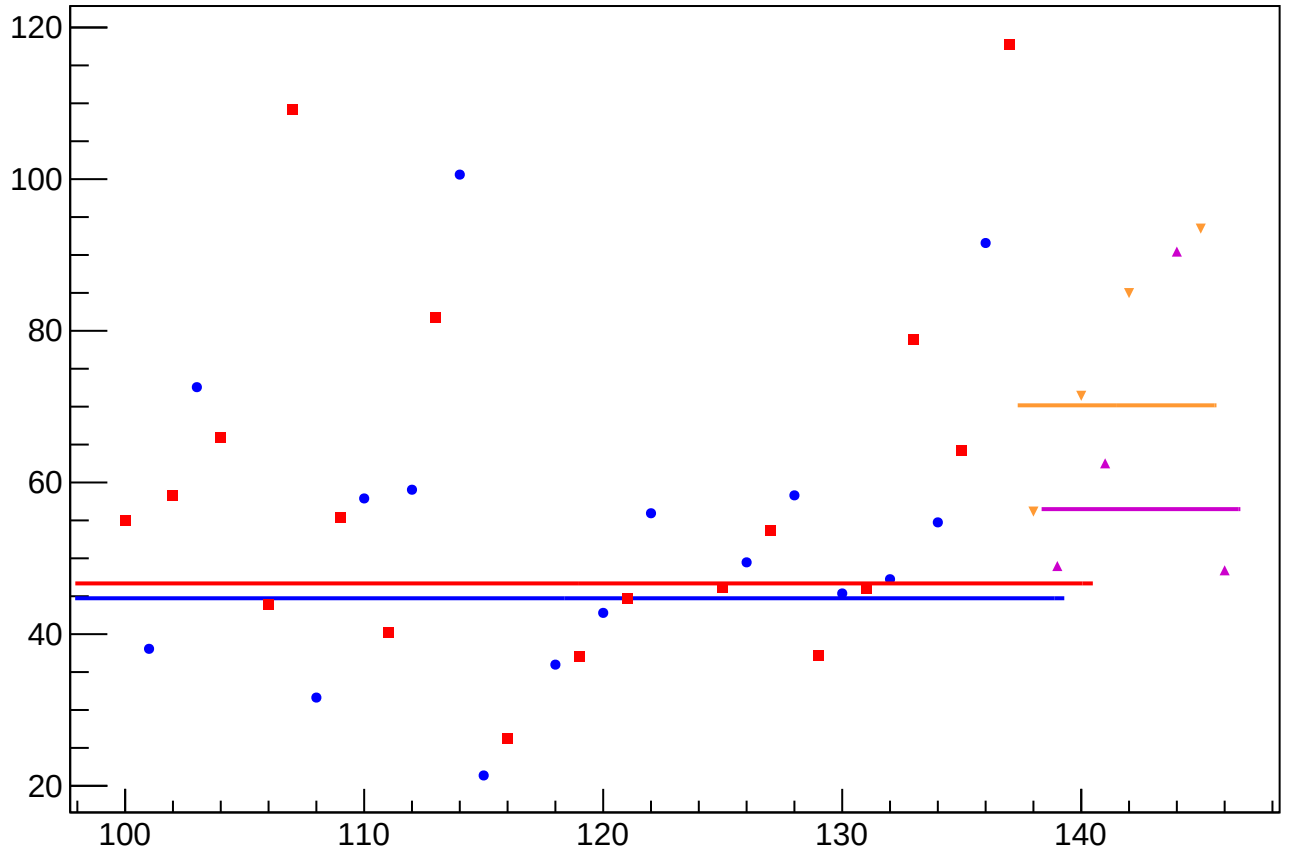
Left: 0.027+/-0.026 χ^2/NDF: 13.4/7

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

In: -0.018+/-0.016 χ^2/NDF:26.9/19

Out: 0.006+/-0.018 χ^2/NDF:42.3/21

All: -0.007+/-0.012 χ^2/NDF: 70.2/41



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

Left Out: 70.174+/-0.031 χ^2/NDF:209157.6/3

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

Left In: 56.487+/-0.023 χ^2/NDF:330732.4/3

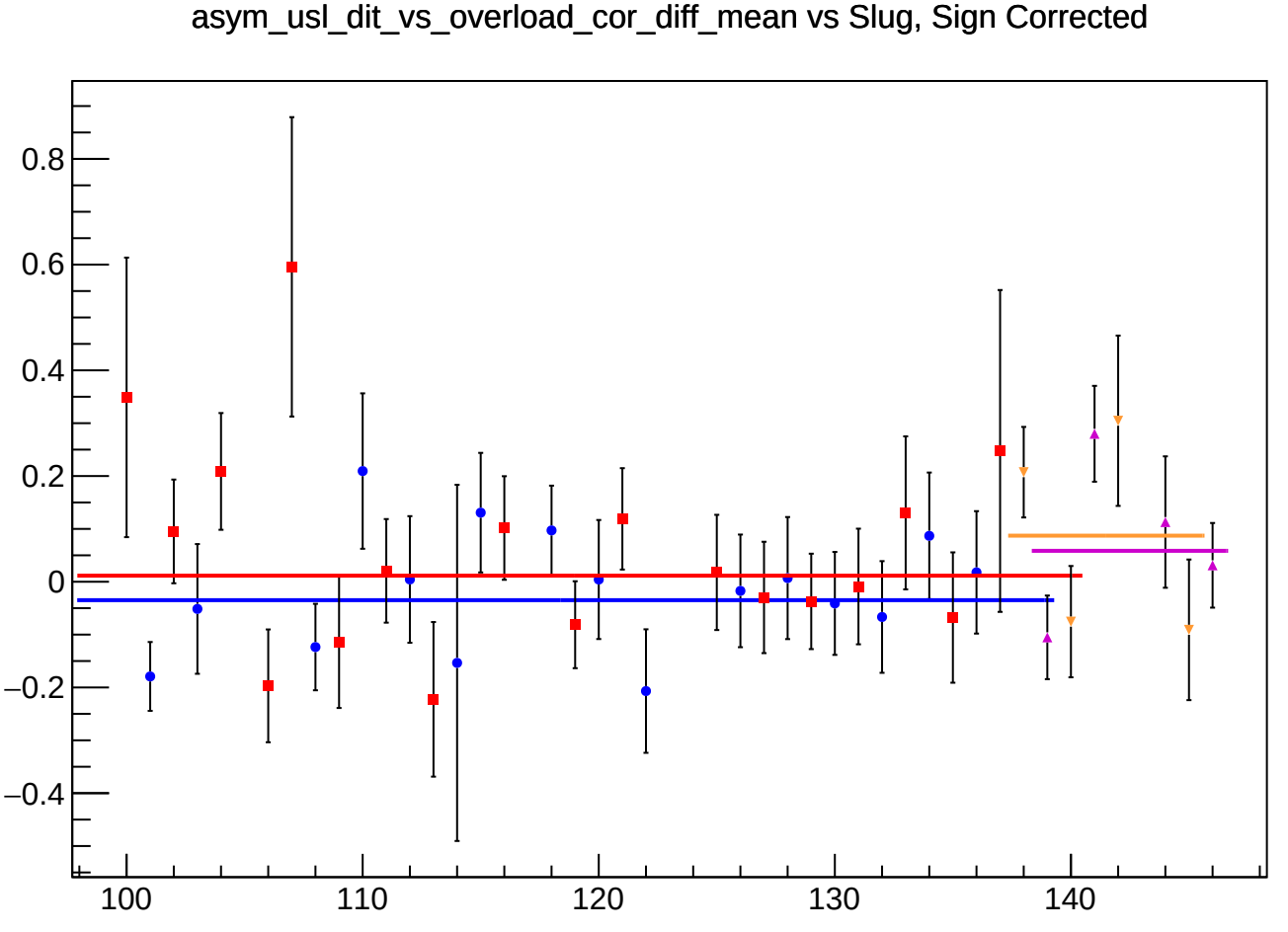
Left: 61.374+/-0.019 χ^2/NDF: 664863.2/7

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

In: 47.643+/-0.012 χ^2/NDF:1859518.8/19

Out: 50.524+/-0.013 χ^2/NDF:1883411.1/21

All: 48.960+/-0.008 χ^2/NDF: 3771562.1/41



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

Left Out: 0.087+/-0.056 χ^2/NDF:8.0/3

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.059+/-0.045 χ^2/NDF:10.6/3

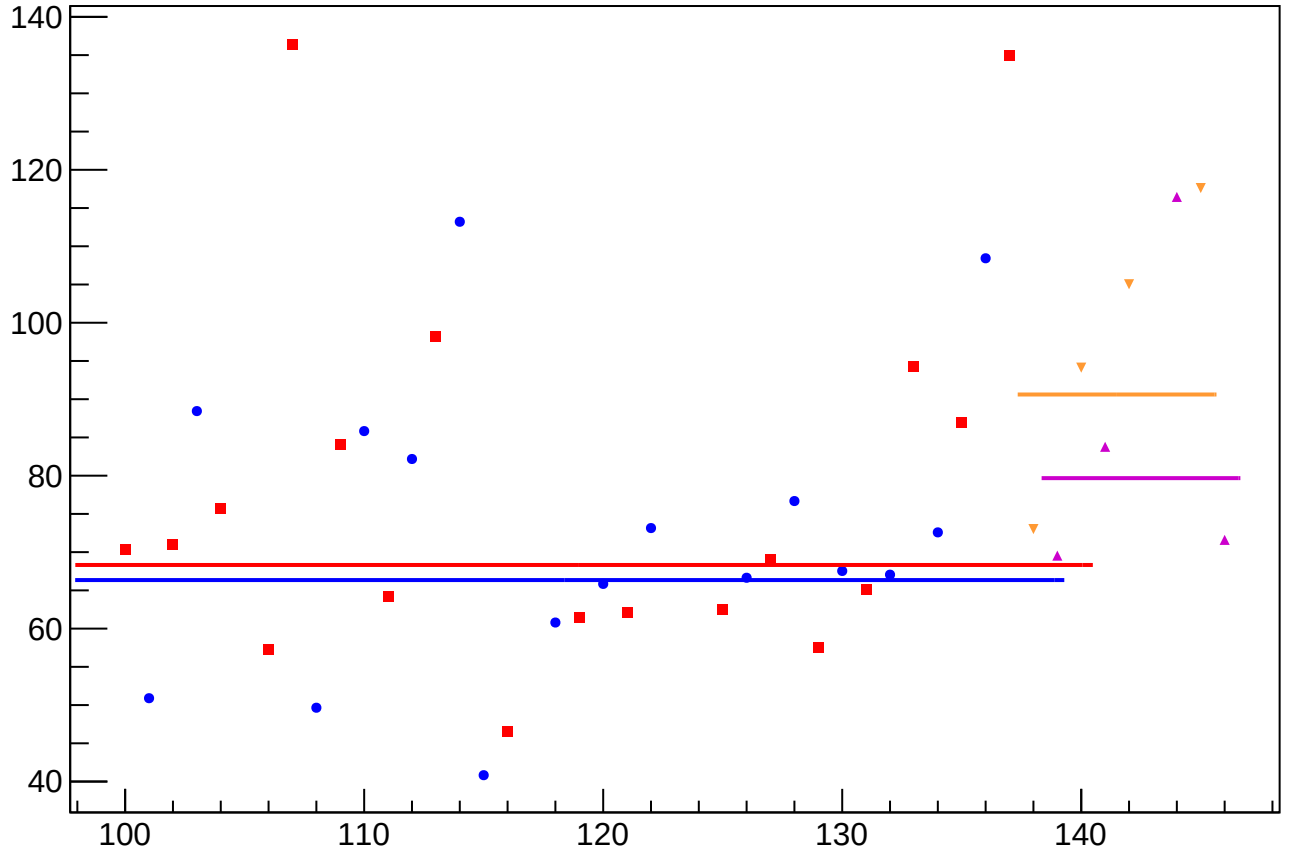
Left: 0.070+/-0.035 χ^2/NDF: 18.7/7

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.011+/-0.023 χ^2/NDF:31.3/19

Out: 0.026+/-0.024 χ^2/NDF:32.2/21

All: 0.006+/-0.017 χ^2/NDF: 64.7/41



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

Left Out: 90.616+/-0.039 χ^2/NDF:185069.5/3

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 79.678+/-0.032 χ^2/NDF:232352.8/3

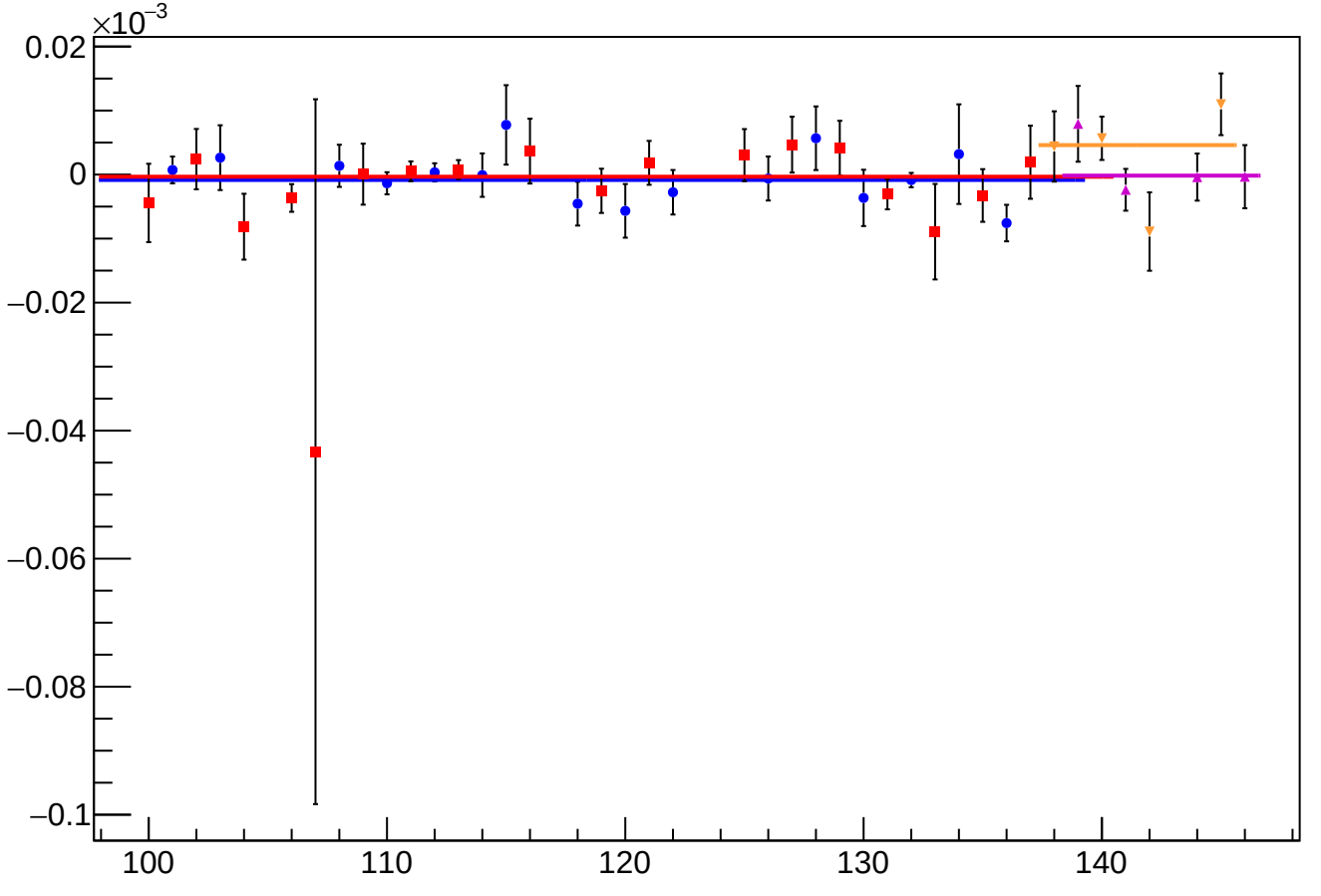
Left: 83.947+/-0.025 χ^2/NDF: 464329.1/7

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 69.780+/-0.016 χ^2/NDF:1137524.1/19

Out: 72.530+/-0.017 χ^2/NDF:1074029.1/21

All: 71.062+/-0.012 χ^2/NDF: 2225315.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.3/3

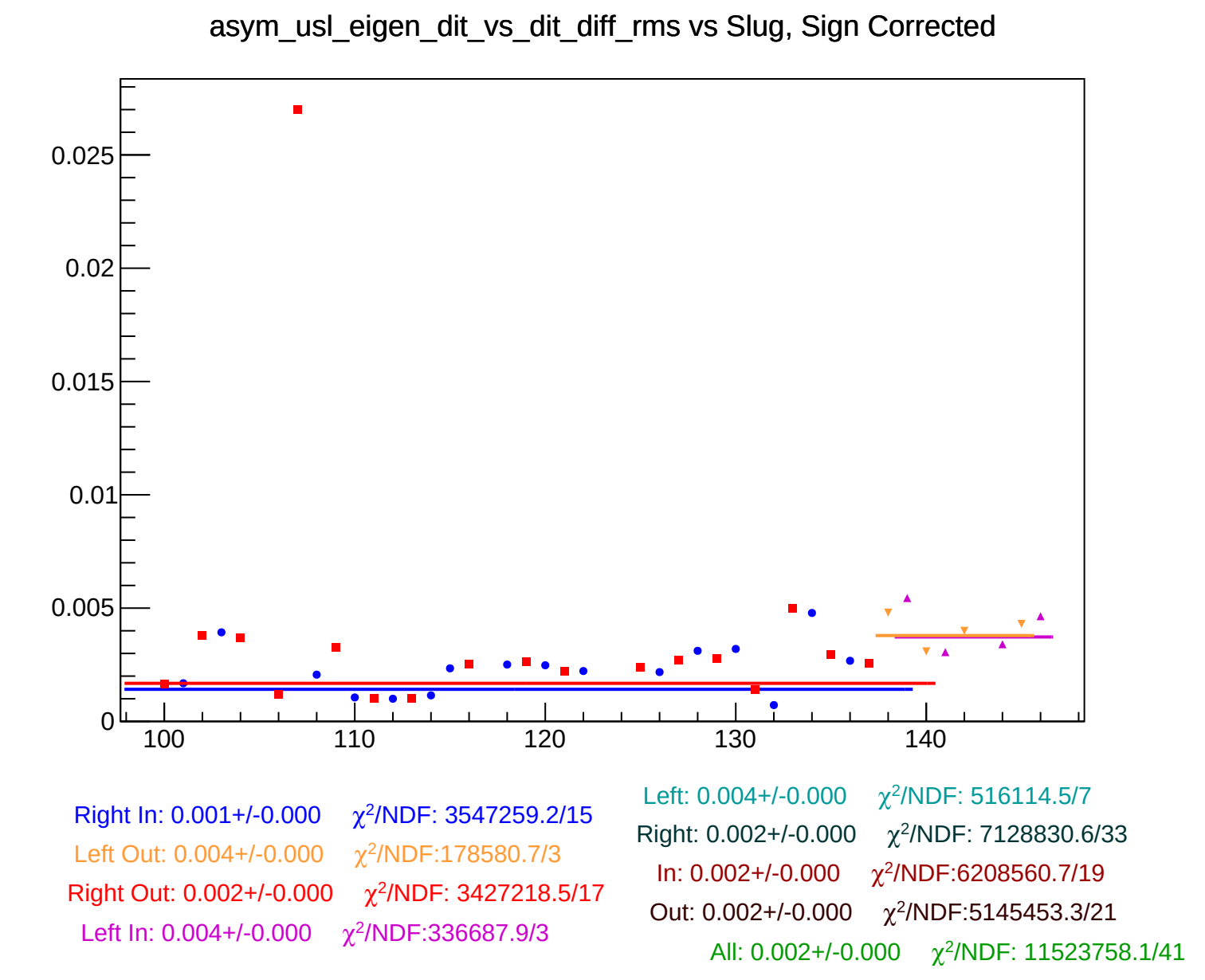
Left: 0.000+/-0.000 χ^2/NDF: 11.5/7

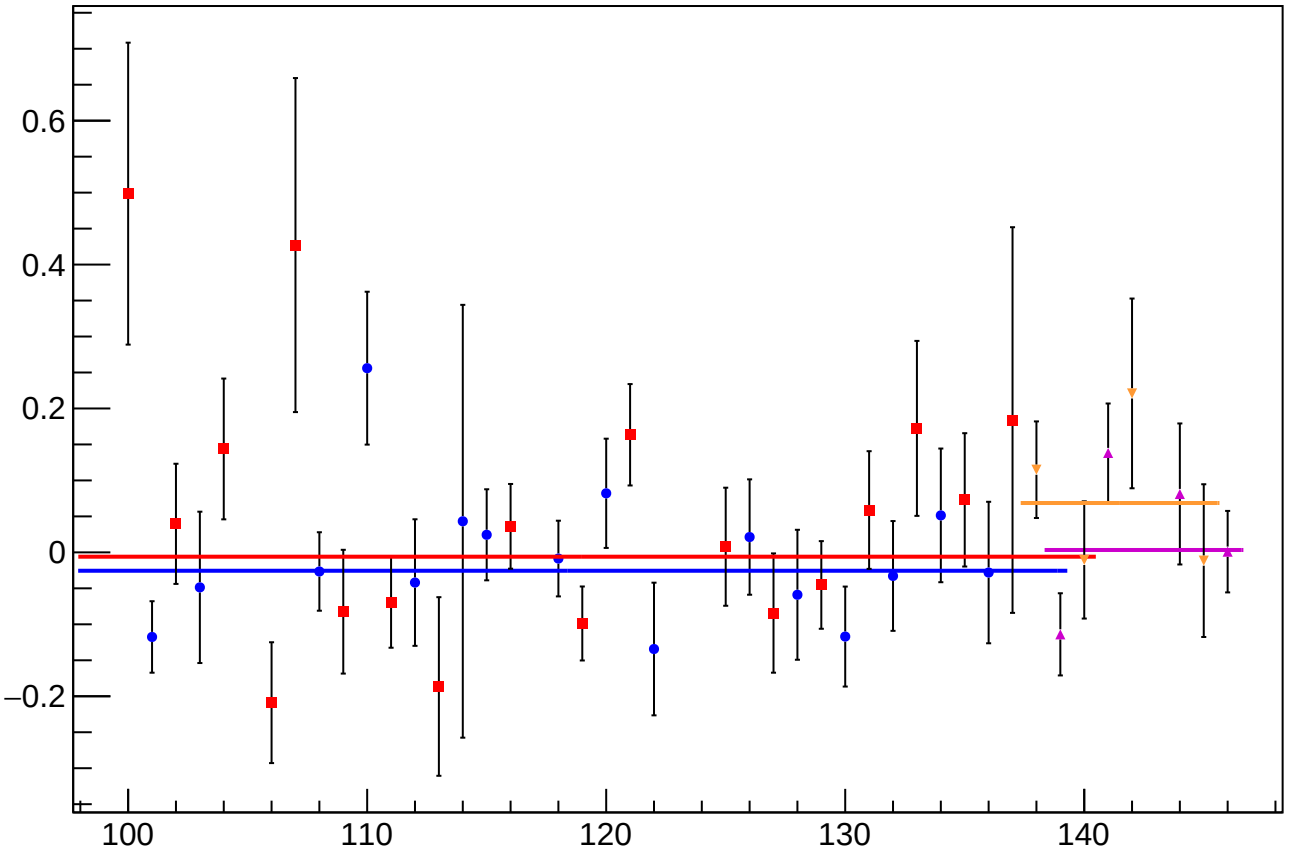
Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:17.4/19

Out: 0.000+/-0.000 χ^2/NDF:25.7/21

All: -0.000+/-0.000 χ^2/NDF: 44.2/41


asym_usl_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 3547259.2/15
Left Out: 0.004+/-0.000 χ²/NDF:178580.7/3
Right Out: 0.002+/-0.000 χ²/NDF: 3427218.5/17
Left In: 0.004+/-0.000 χ²/NDF:336687.9/3
Left: 0.004+/-0.000 χ²/NDF: 516114.5/7
Right: 0.002+/-0.000 χ²/NDF: 7128830.6/33
In: 0.002+/-0.000 χ²/NDF:6208560.7/19
Out: 0.002+/-0.000 χ²/NDF:5145453.3/21
All: 0.002+/-0.000 χ²/NDF: 11523758.1/41



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

Left Out: 0.069+/-0.044 χ^2/NDF:3.3/3

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

Left In: 0.003+/-0.033 χ^2/NDF:8.7/3

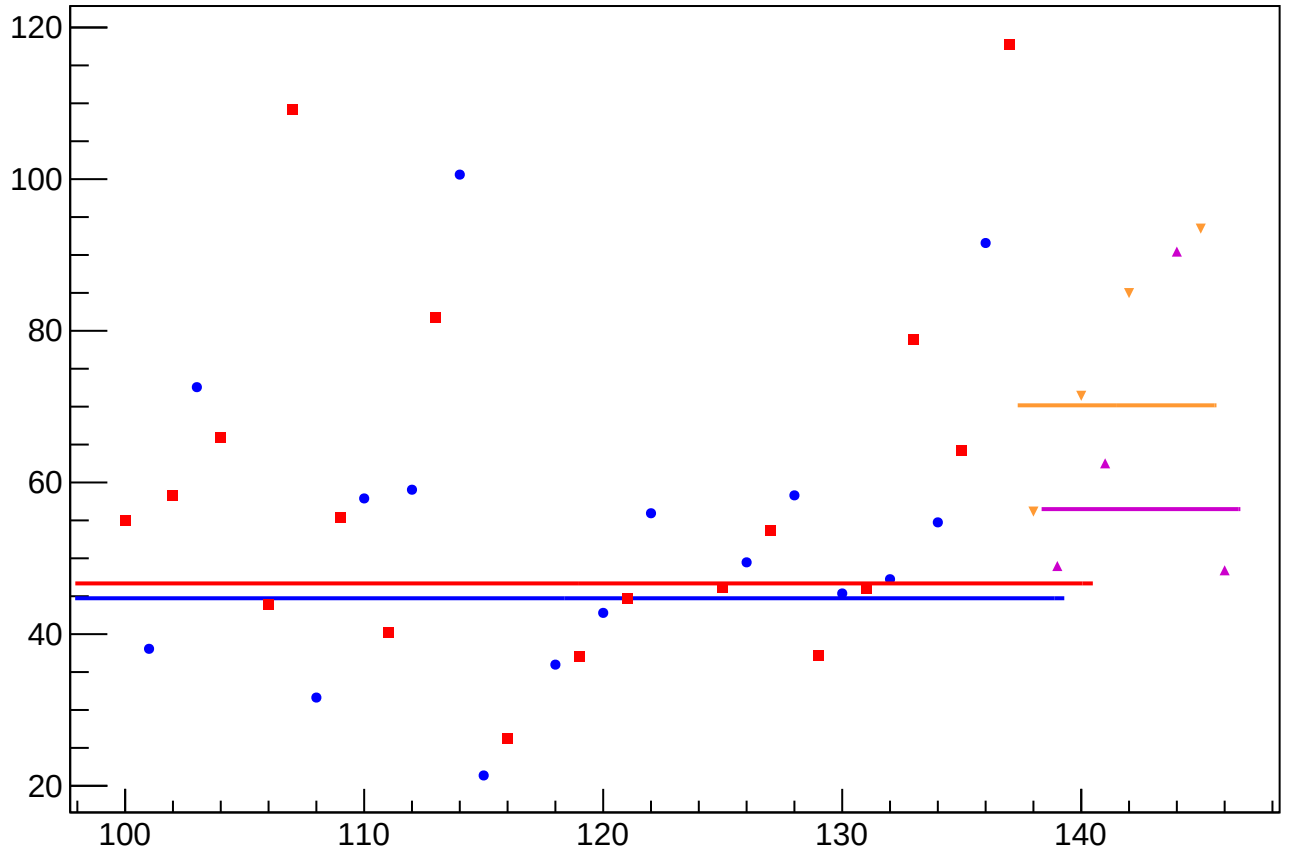
Left: 0.027+/-0.026 χ^2/NDF: 13.4/7

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

In: -0.018+/-0.016 χ^2/NDF:26.9/19

Out: 0.006+/-0.018 χ^2/NDF:42.3/21

All: -0.007+/-0.012 χ^2/NDF: 70.2/41



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

Left Out: 70.174+/-0.031 χ^2/NDF:209163.1/3

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 56.488+/-0.023 χ^2/NDF:330711.4/3

Left: 61.374+/-0.019 χ^2/NDF: 664830.7/7

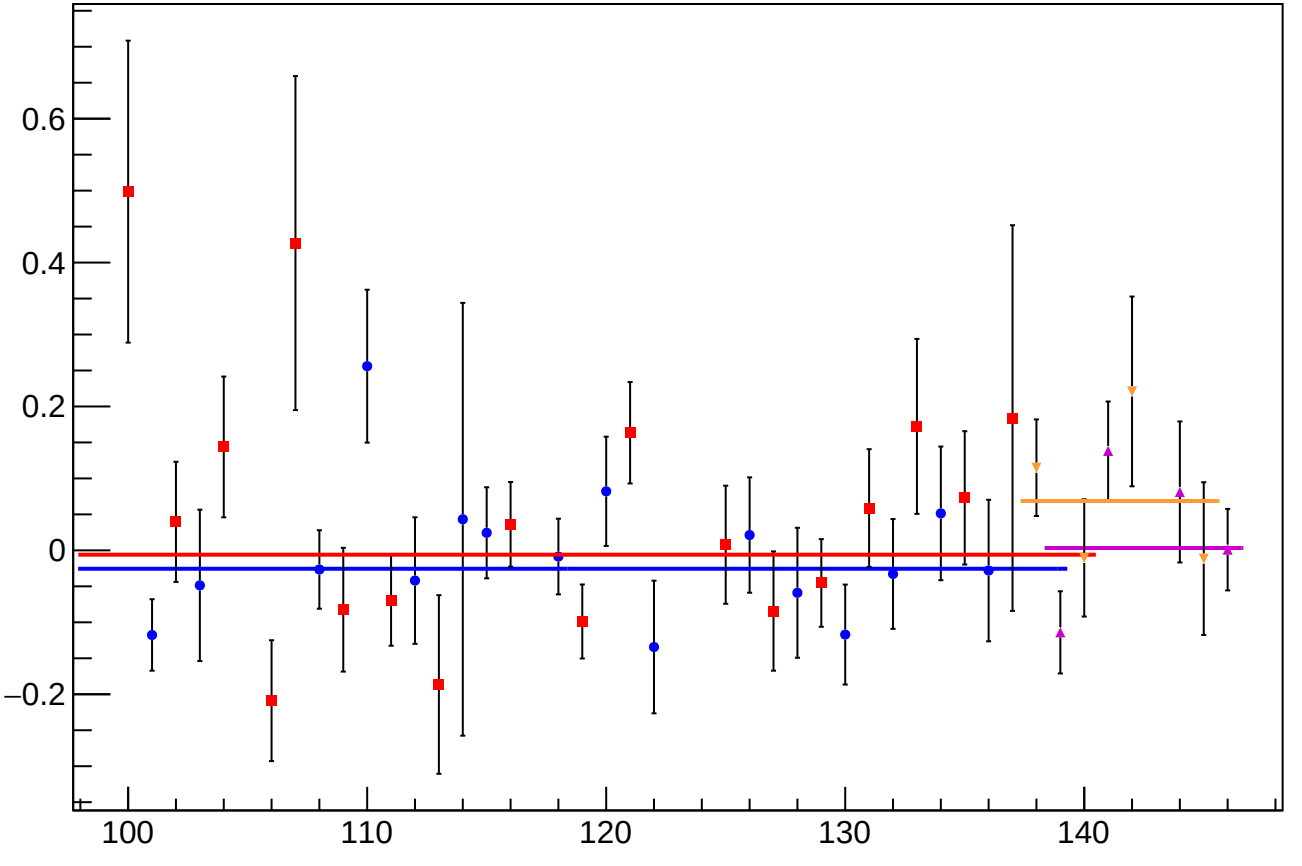
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 47.643+/-0.012 χ^2/NDF:1859604.0/19

Out: 50.523+/-0.013 χ^2/NDF:1883479.9/21

All: 48.960+/-0.008 χ^2/NDF: 3771711.8/41

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.069+/-0.044 χ^2/NDF:3.3/3

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

Left In: 0.003+/-0.033 χ^2/NDF:8.7/3

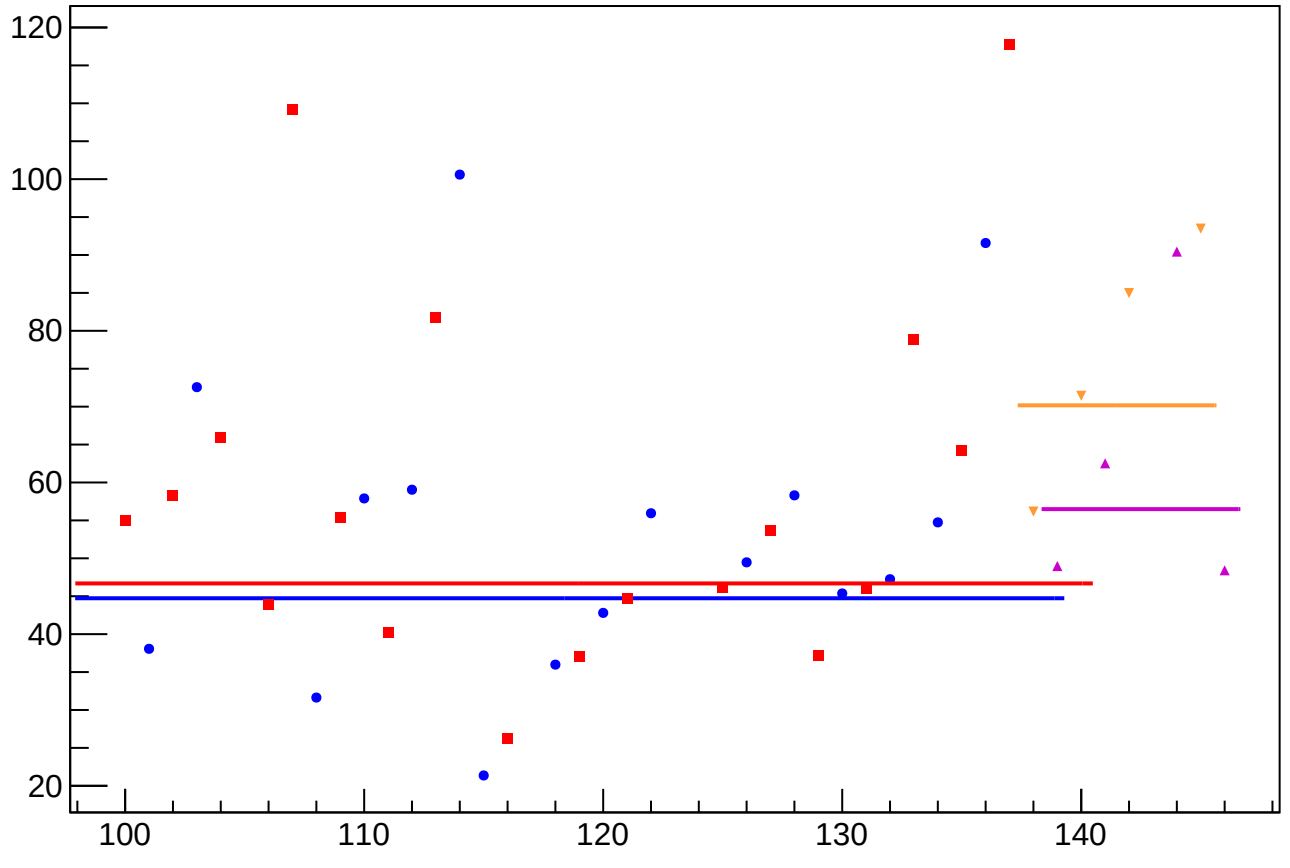
Left: 0.027+/-0.026 χ^2/NDF: 13.4/7

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

In: -0.018+/-0.016 χ^2/NDF:26.9/19

Out: 0.006+/-0.018 χ^2/NDF:42.3/21

All: -0.007+/-0.012 χ^2/NDF: 70.2/41



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

Left Out: 70.174+/-0.031 χ^2/NDF:209163.1/3

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 56.488+/-0.023 χ^2/NDF:330711.4/3

Left: 61.374+/-0.019 χ^2/NDF: 664830.7/7

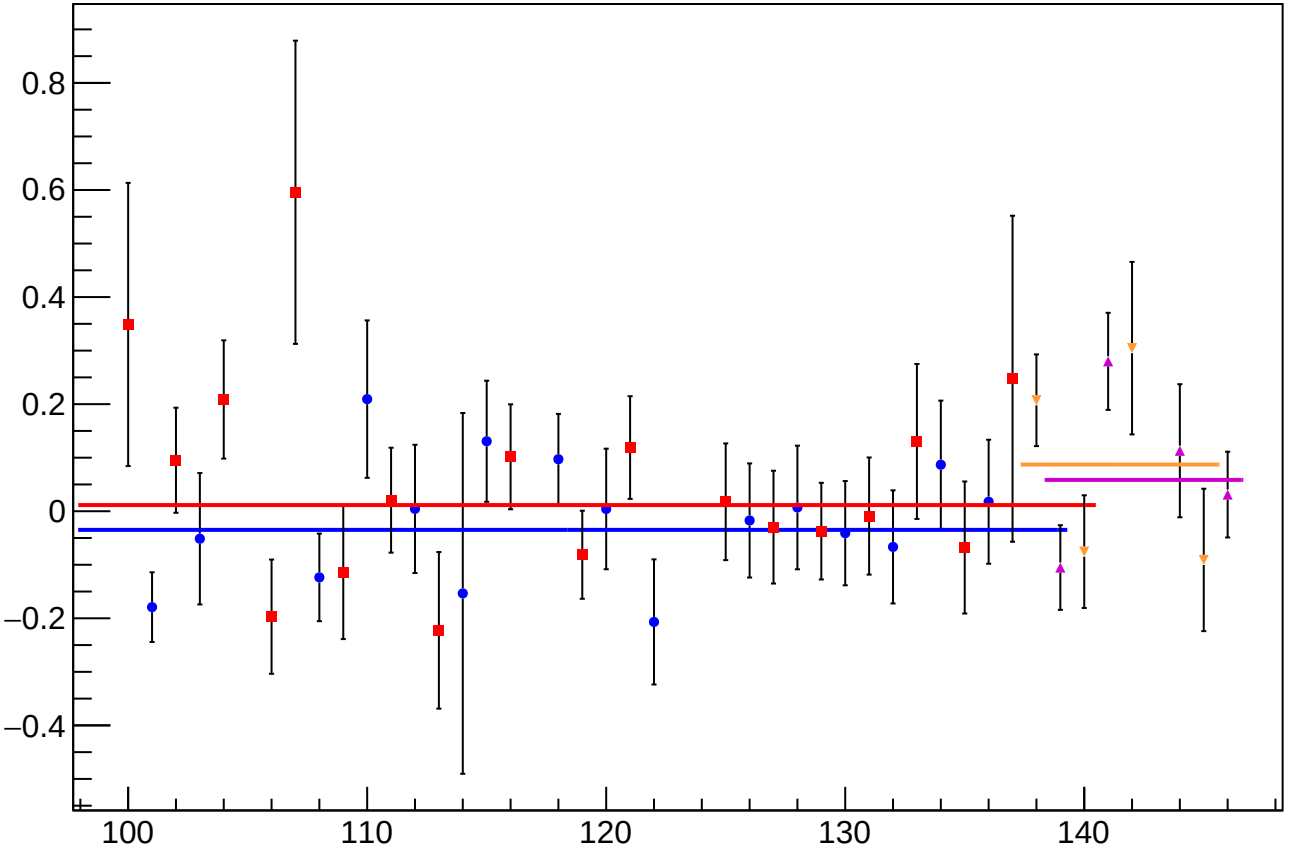
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 47.643+/-0.012 χ^2/NDF:1859604.0/19

Out: 50.523+/-0.013 χ^2/NDF:1883479.9/21

All: 48.960+/-0.008 χ^2/NDF: 3771711.8/41

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.087+/-0.056 χ^2/NDF:8.0/3

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.059+/-0.045 χ^2/NDF:10.6/3

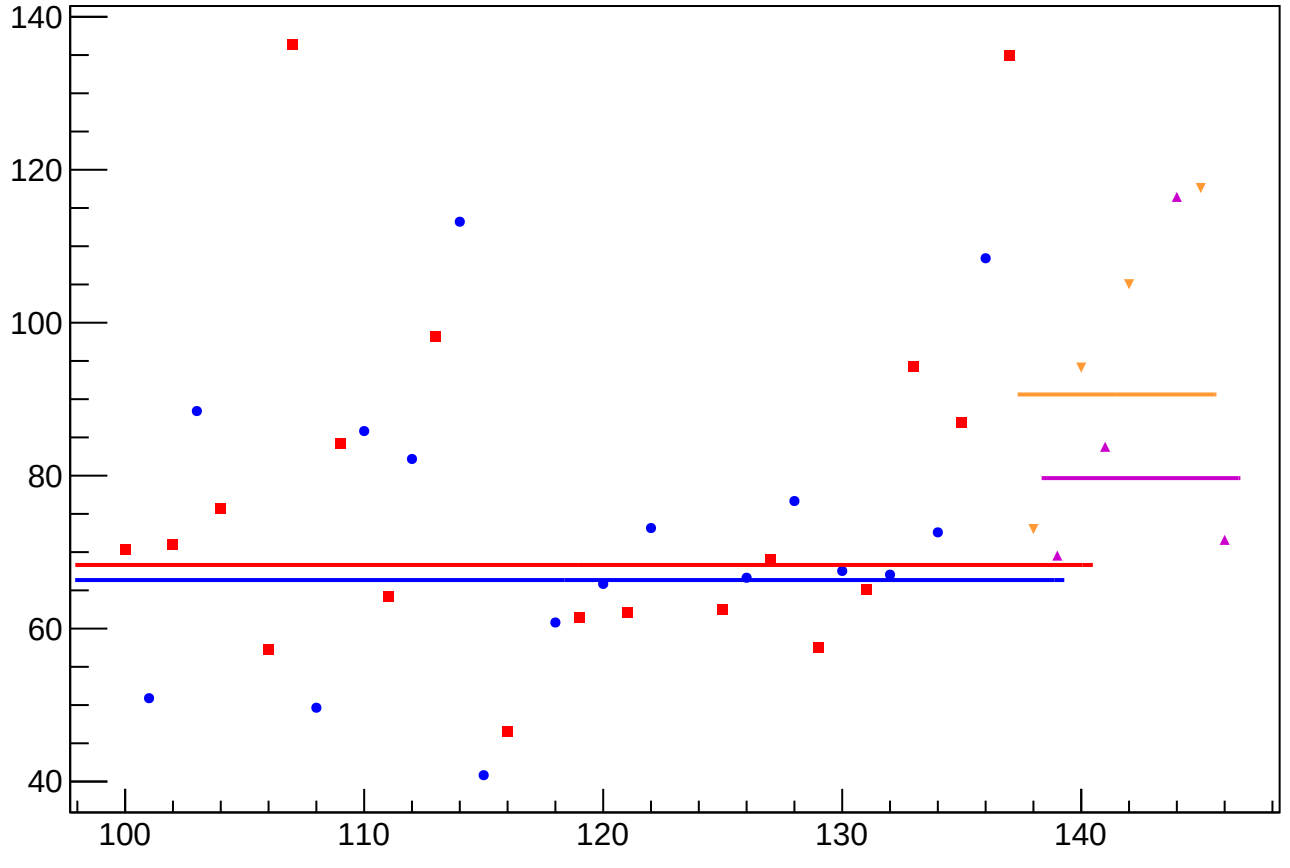
Left: 0.070+/-0.035 χ^2/NDF: 18.7/7

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.011+/-0.023 χ^2/NDF:31.3/19

Out: 0.026+/-0.024 χ^2/NDF:32.2/21

All: 0.006+/-0.017 χ^2/NDF: 64.7/41



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

Left Out: 90.616+/-0.039 χ^2/NDF:185072.4/3

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 79.678+/-0.032 χ^2/NDF:232344.0/3

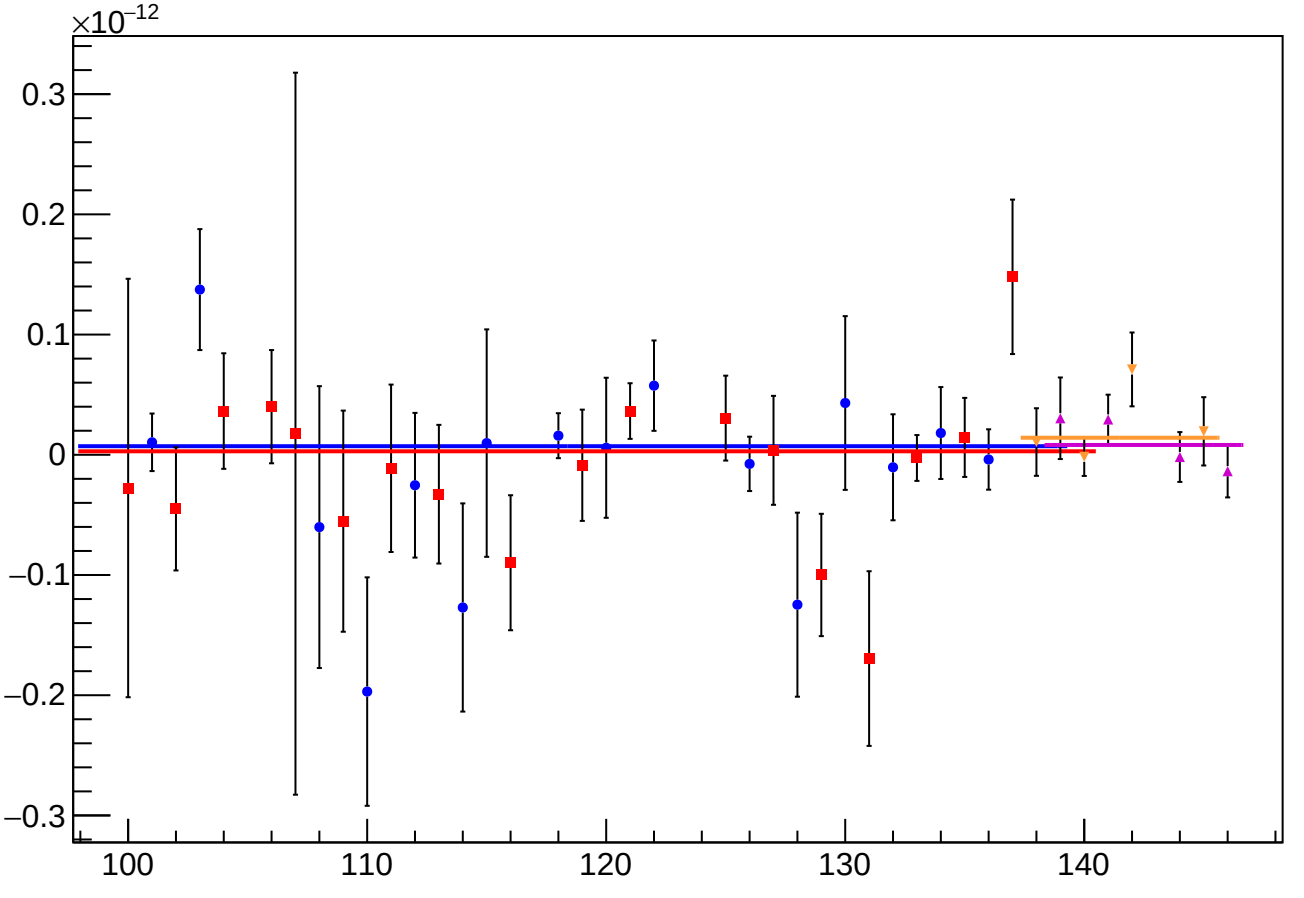
Left: 83.947+/-0.025 χ^2/NDF: 464317.9/7

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 69.779+/-0.016 χ^2/NDF:1137537.9/19

Out: 72.530+/-0.017 χ^2/NDF:1074038.7/21

All: 71.061+/-0.012 χ^2/NDF: 2225335.7/41



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:2.7/3

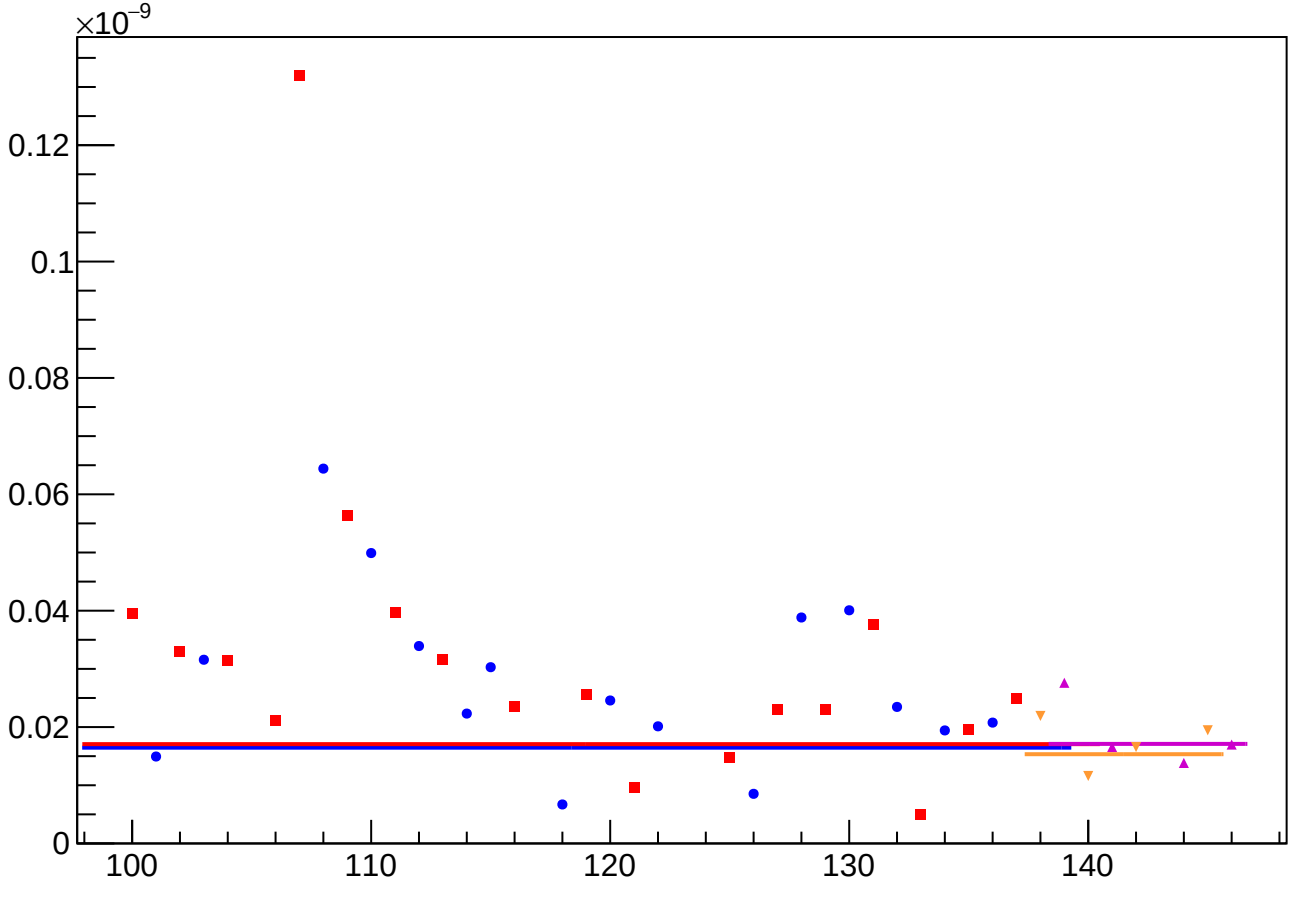
Left: 0.000+/-0.000 χ^2/NDF: 7.3/7

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:23.2/19

Out: 0.000+/-0.000 χ^2/NDF:28.4/21

All: 0.000+/-0.000 χ^2/NDF: 51.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:264628.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:242940.0/3

Left: 0.000+/-0.000 χ^2/NDF: 531293.9/7

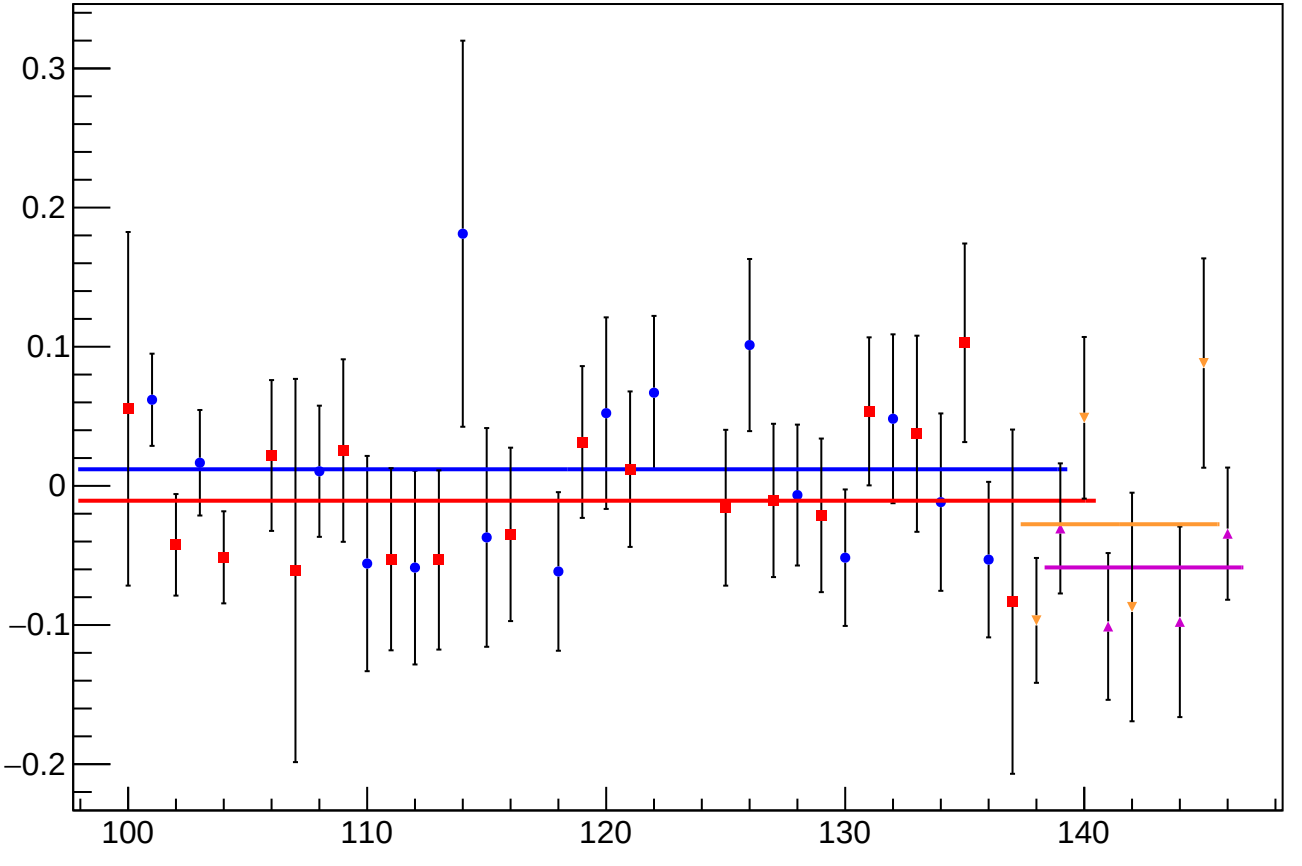
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:2592712.6/19

Out: 0.000+/-0.000 χ^2/NDF:3082029.5/21

All: 0.000+/-0.000 χ^2/NDF: 5677340.5/41

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.028+/-0.030 χ^2/NDF:7.0/3

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.059+/-0.026 χ^2/NDF:1.6/3

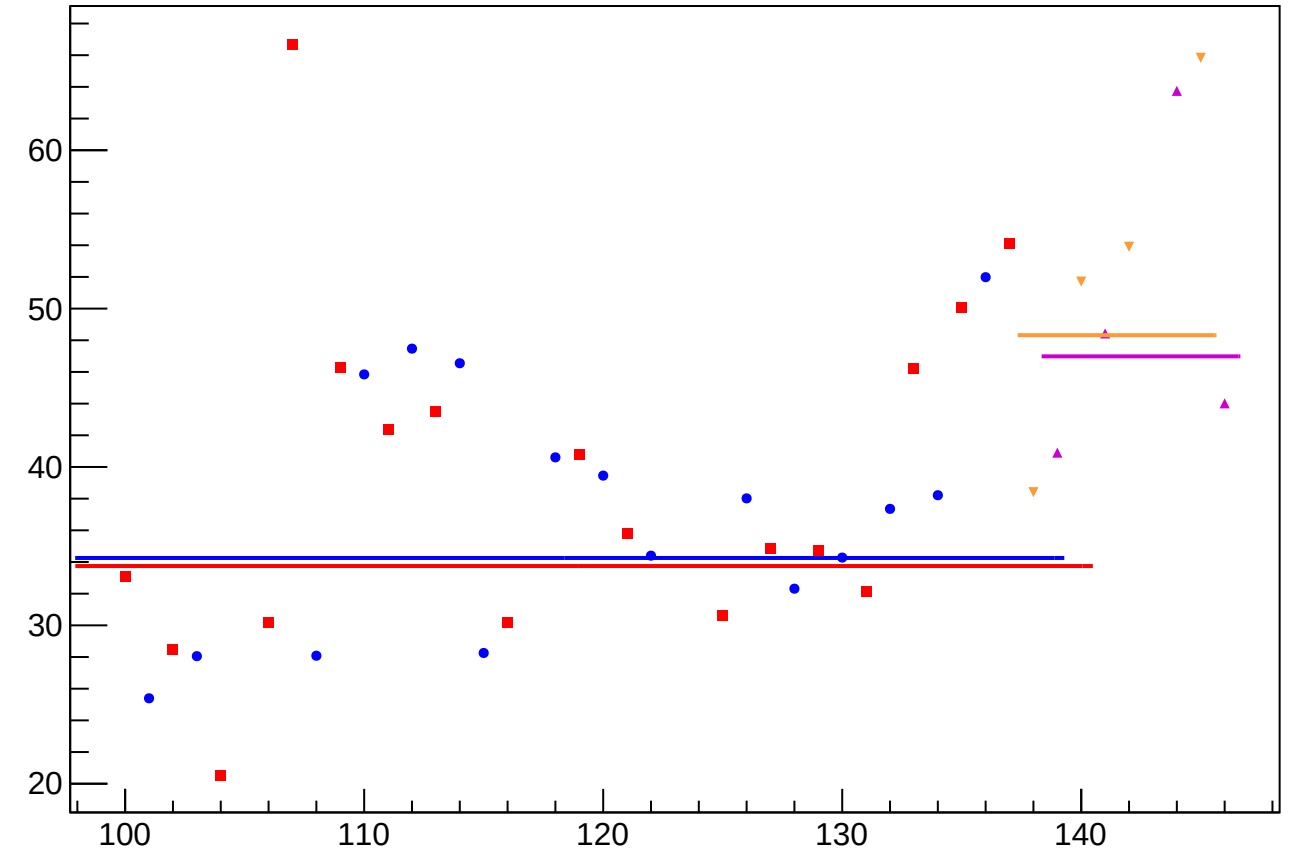
Left: -0.045+/-0.020 χ^2/NDF: 9.2/7

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.003+/-0.012 χ^2/NDF:22.1/19

Out: -0.014+/-0.012 χ^2/NDF:17.2/21

All: -0.008+/-0.009 χ^2/NDF: 39.6/41



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

Left Out: 48.322+/-0.021 χ^2/NDF:221998.5/3

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 46.985+/-0.018 χ^2/NDF:163017.4/3

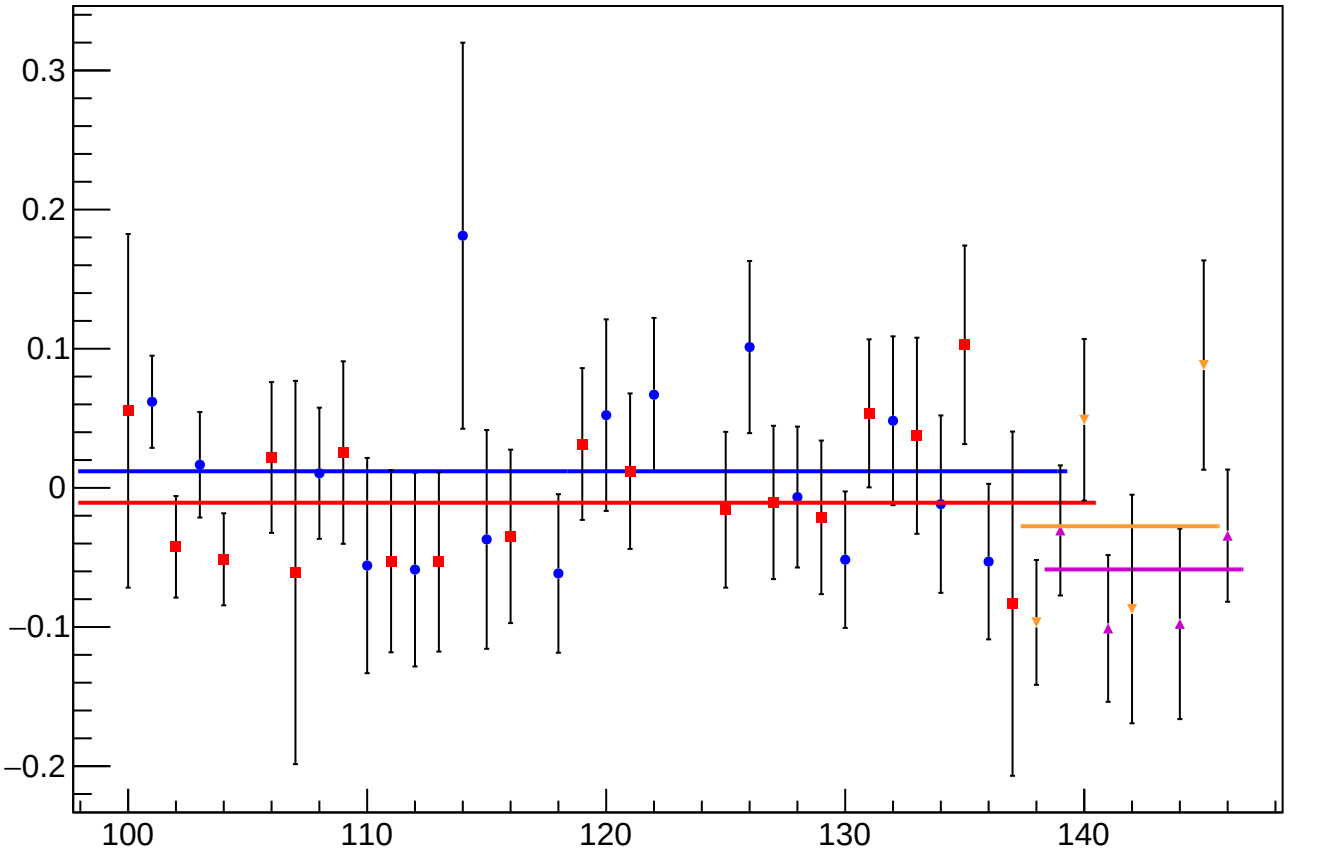
Left: 47.562+/-0.014 χ^2/NDF: 387288.2/7

Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

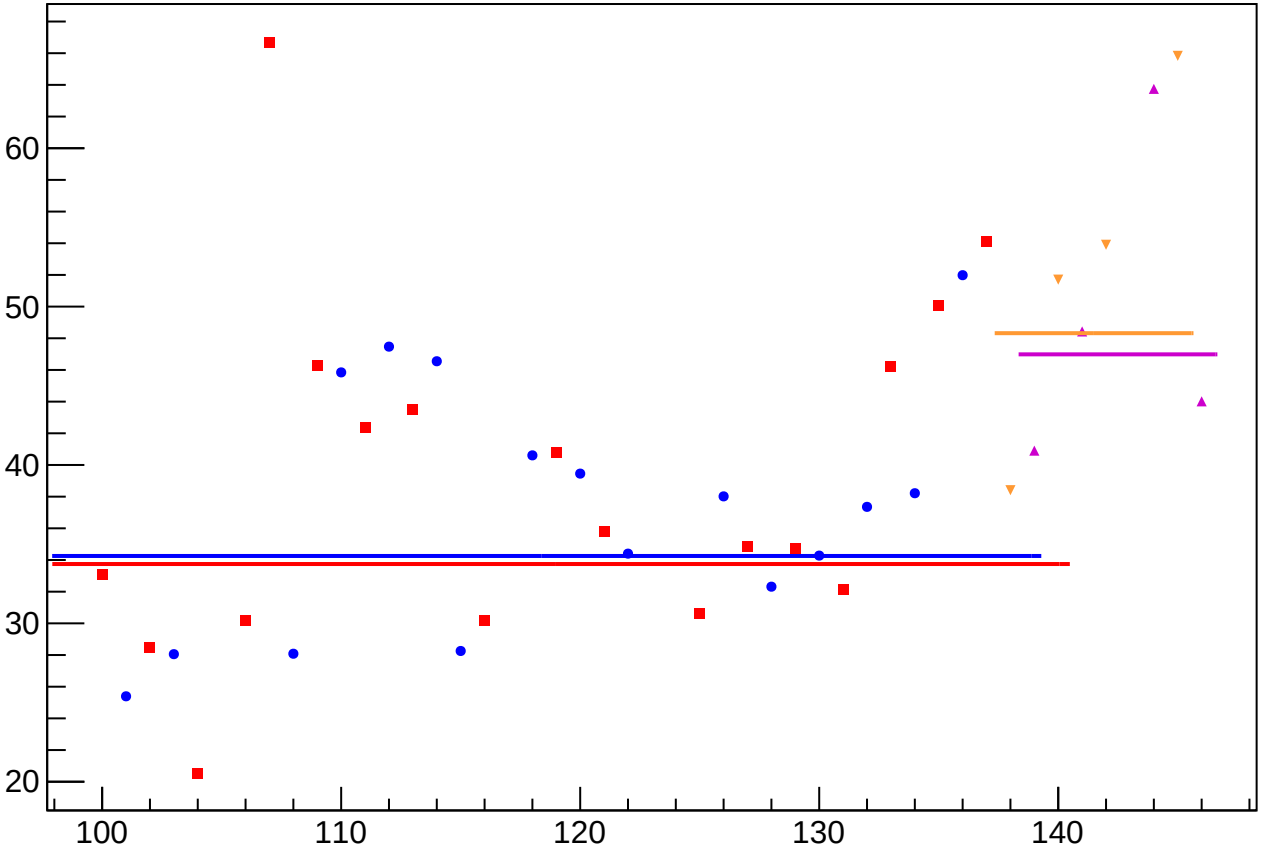
In: 36.985+/-0.009 χ^2/NDF:1174181.1/19

Out: 36.195+/-0.009 χ^2/NDF:1529107.6/21

All: 36.597+/-0.006 χ^2/NDF: 2707500.2/41


asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.028+/-0.030 χ²/NDF:7.0/3
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.059+/-0.026 χ²/NDF:1.6/3
Left: -0.045+/-0.020 χ²/NDF: 9.2/7
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.003+/-0.012 χ²/NDF:22.1/19
Out: -0.014+/-0.012 χ²/NDF:17.2/21
All: -0.008+/-0.009 χ²/NDF: 39.6/41

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: 48.322+/-0.021 χ^2/NDF:221998.5/3

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 46.985+/-0.018 χ^2/NDF:163017.4/3

Left: 47.562+/-0.014 χ^2/NDF: 387288.2/7

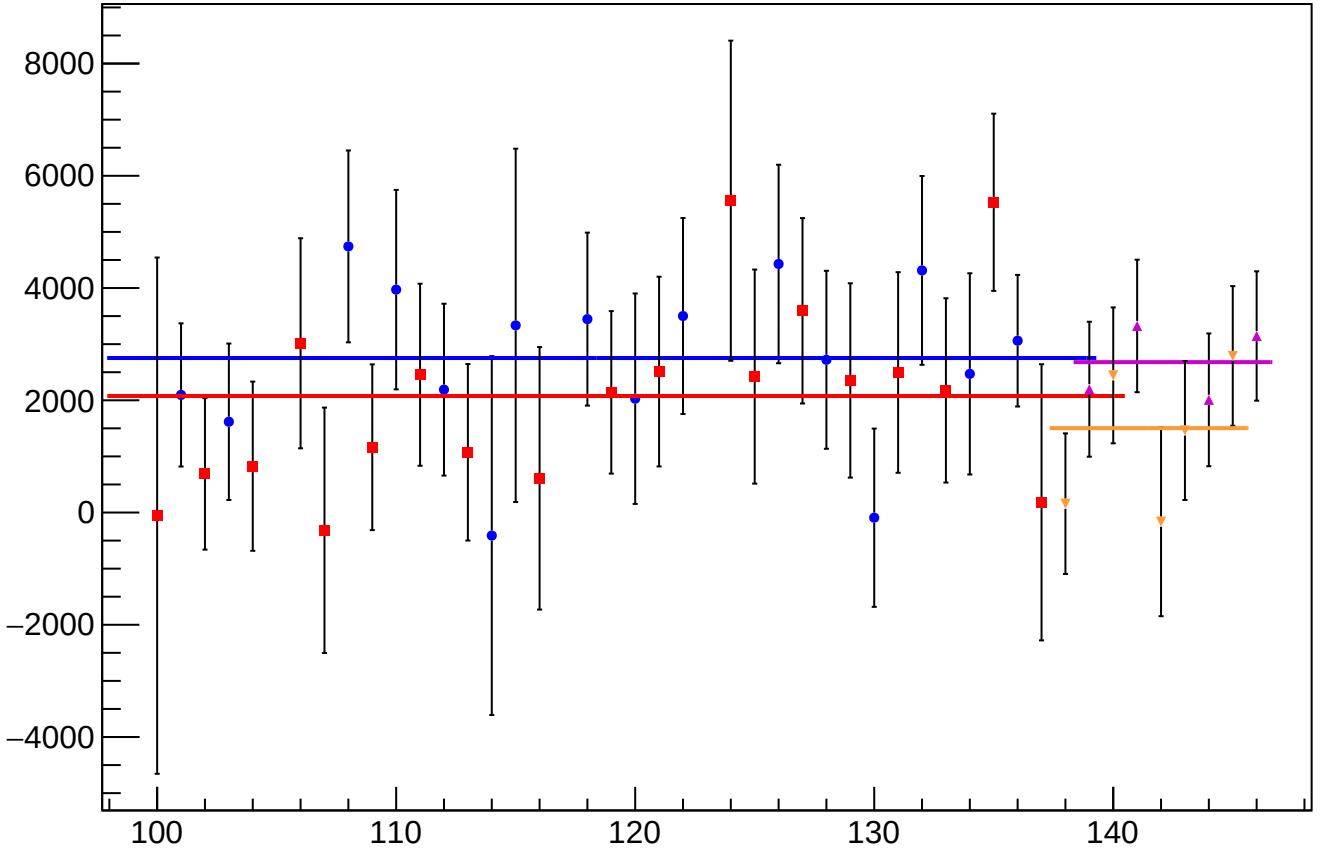
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 36.985+/-0.009 χ^2/NDF:1174181.1/19

Out: 36.195+/-0.009 χ^2/NDF:1529107.6/21

All: 36.597+/-0.006 χ^2/NDF: 2707500.2/41

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1503.745+/-580.326 χ^2/NDF:3.8/4

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2679.555+/-589.505 χ^2/NDF:0.9/3

Left: 2082.424+/-413.559 χ^2/NDF: 6.8/8

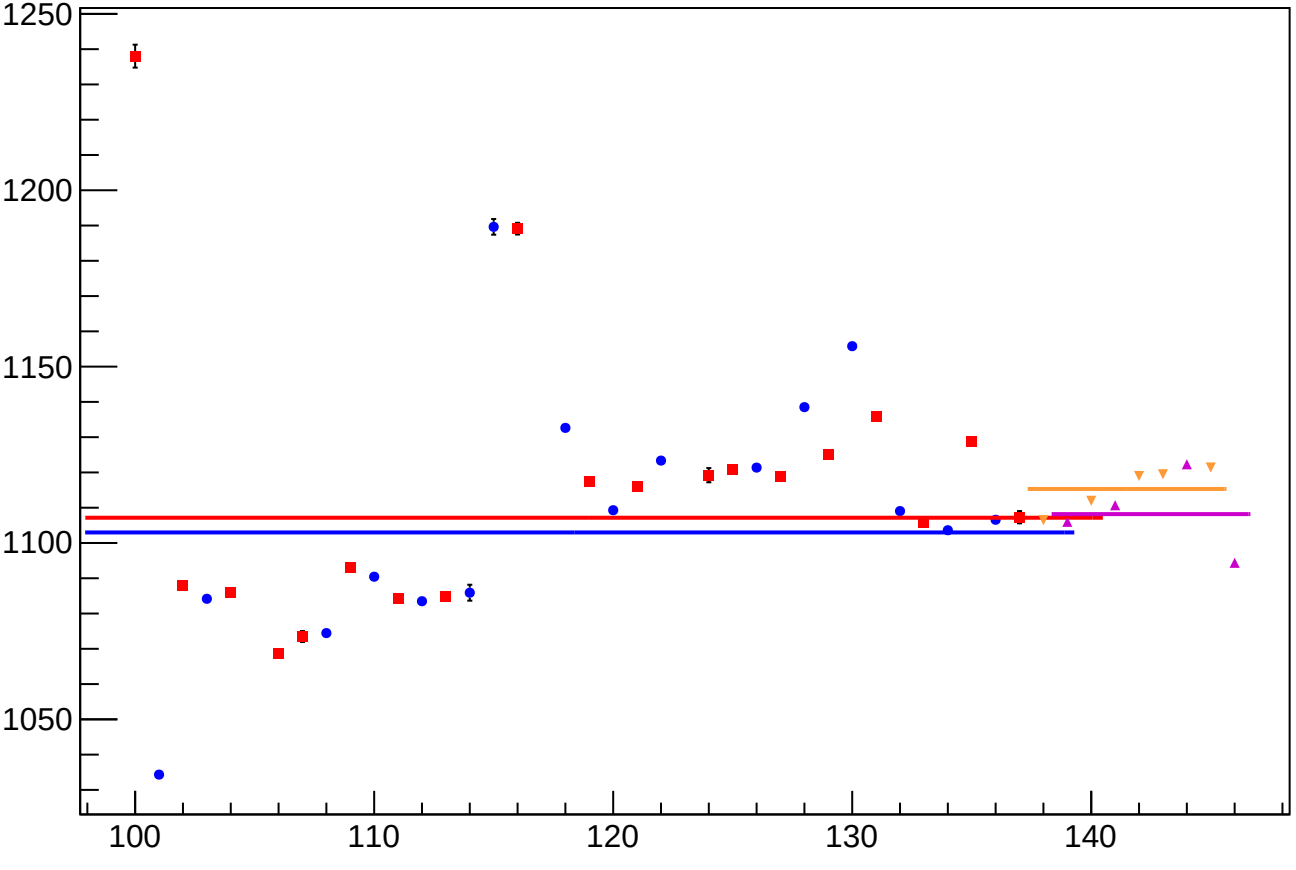
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2729.151+/-336.505 χ^2/NDF:10.5/19

Out: 1889.640+/-331.454 χ^2/NDF:17.0/23

All: 2303.047+/-236.139 χ^2/NDF: 30.6/43

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1115.318+/-0.410 χ^2/NDF:195.0/4

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

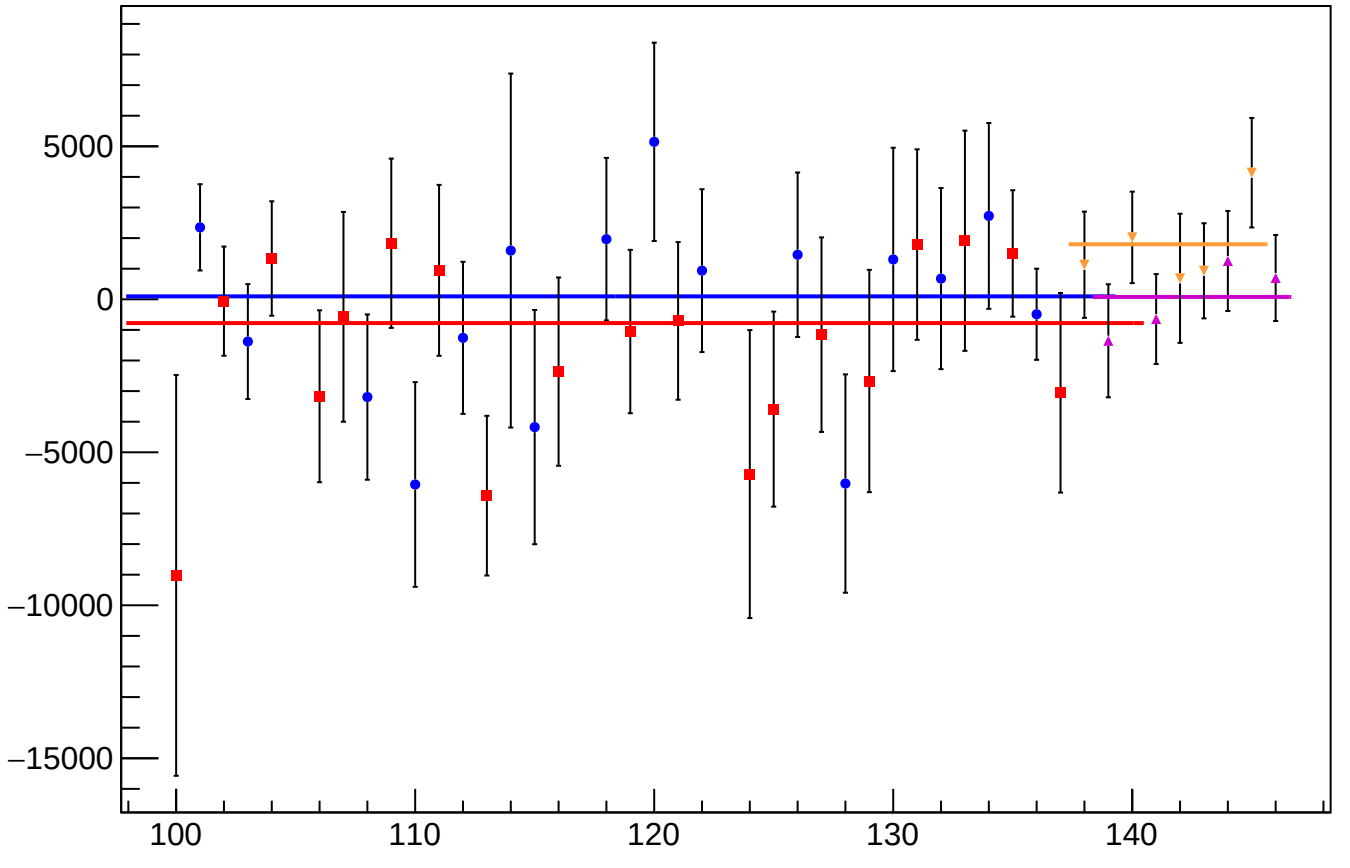
Left: 1111.809+/-0.292 χ^2/NDF: 931.5/8

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1104.682+/-0.238 χ^2/NDF:13916.6/19

Out: 1109.821+/-0.234 χ^2/NDF:9144.7/23

All: 1107.290+/-0.167 χ^2/NDF: 23298.1/43



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

Left Out: 1798.971+/-760.244 χ^2/NDF:2.5/4

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 76.767+/-781.740 χ^2/NDF:1.6/3

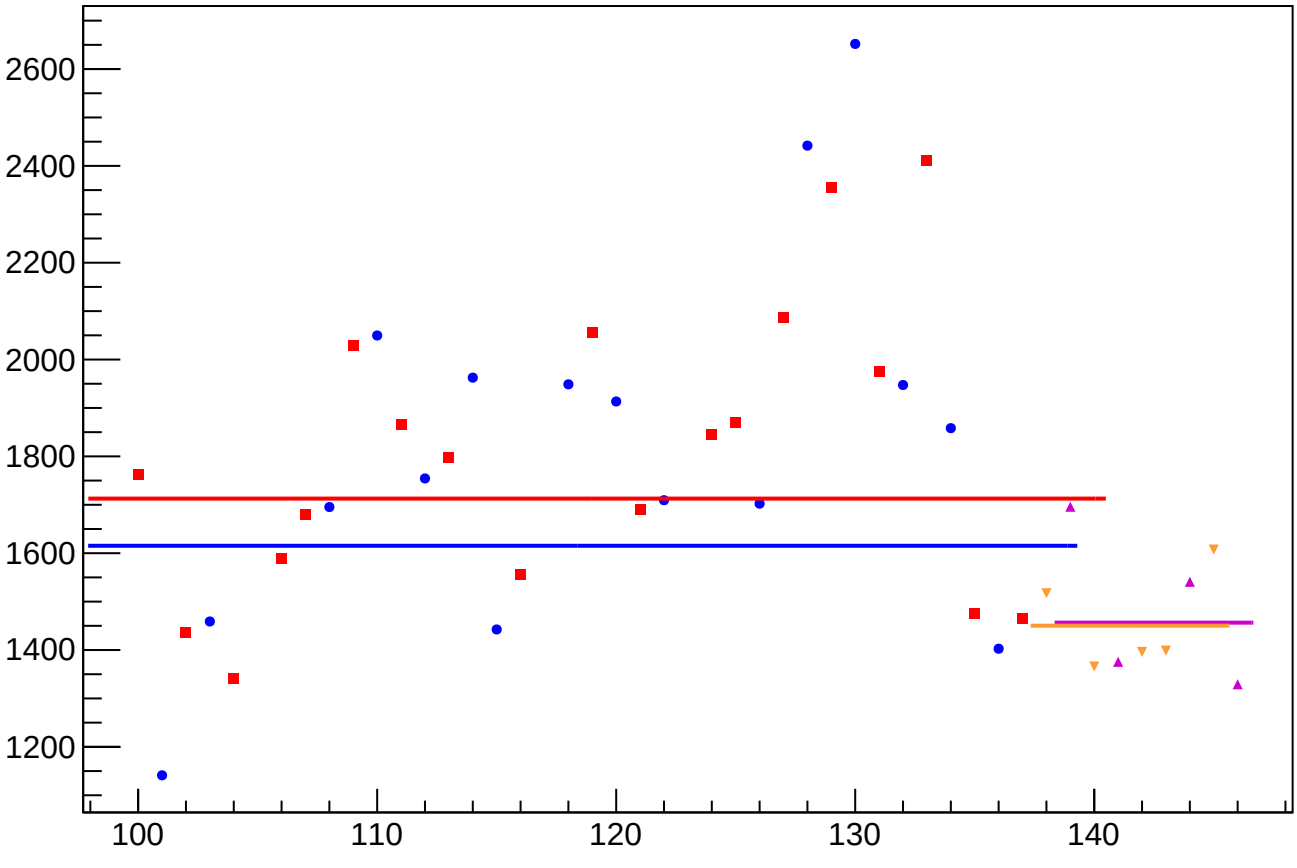
Left: 961.873+/-545.015 χ^2/NDF: 6.5/8

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 88.574+/-484.851 χ^2/NDF:18.5/19

Out: 285.462+/-488.246 χ^2/NDF:24.3/23

All: 186.331+/-344.036 χ^2/NDF: 42.8/43



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

Left Out: 1450.274+/-0.538 χ^2/NDF:28297.0/4

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

Left: 1453.318+/-0.385 χ^2/NDF: 89730.9/8

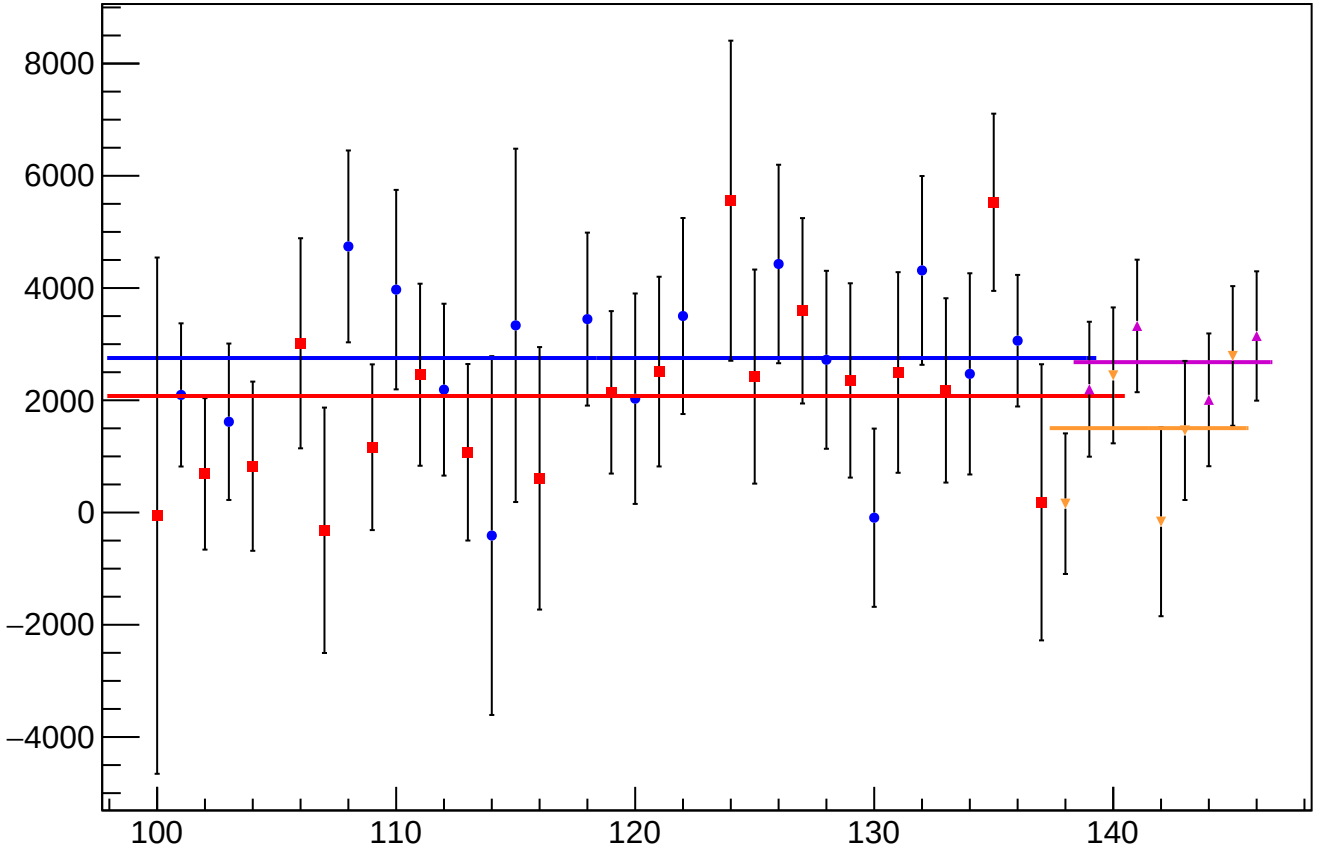
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1554.237+/-0.343 χ^2/NDF:805767.0/19

Out: 1604.520+/-0.345 χ^2/NDF:596484.1/23

All: 1579.203+/-0.243 χ^2/NDF: 1412931.2/43

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1503.745+/-580.326 χ^2/NDF:3.8/4

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2679.555+/-589.505 χ^2/NDF:0.9/3

Left: 2082.424+/-413.559 χ^2/NDF: 6.8/8

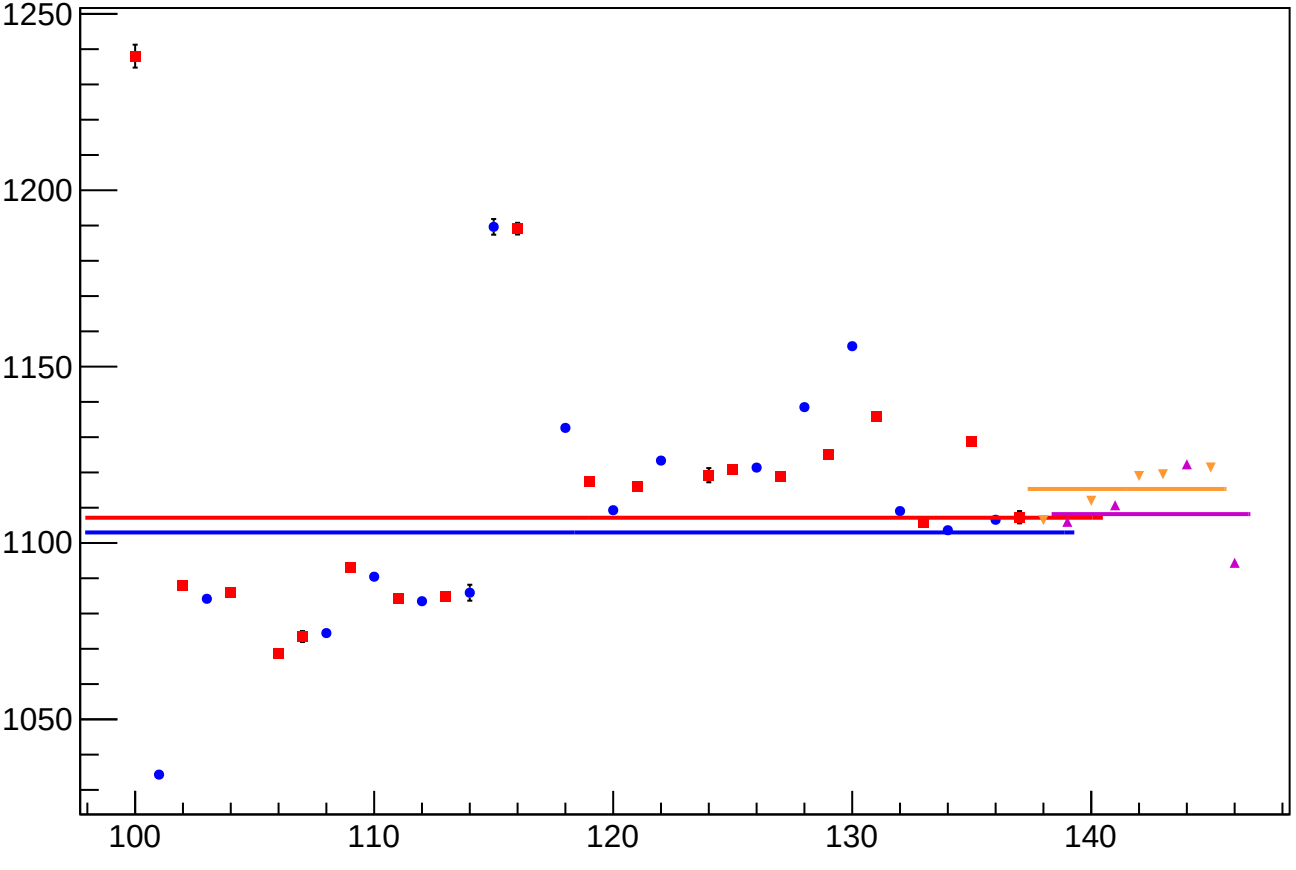
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2729.151+/-336.505 χ^2/NDF:10.5/19

Out: 1889.640+/-331.454 χ^2/NDF:17.0/23

All: 2303.047+/-236.139 χ^2/NDF: 30.6/43

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1115.318+/-0.410 χ^2/NDF:195.0/4

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

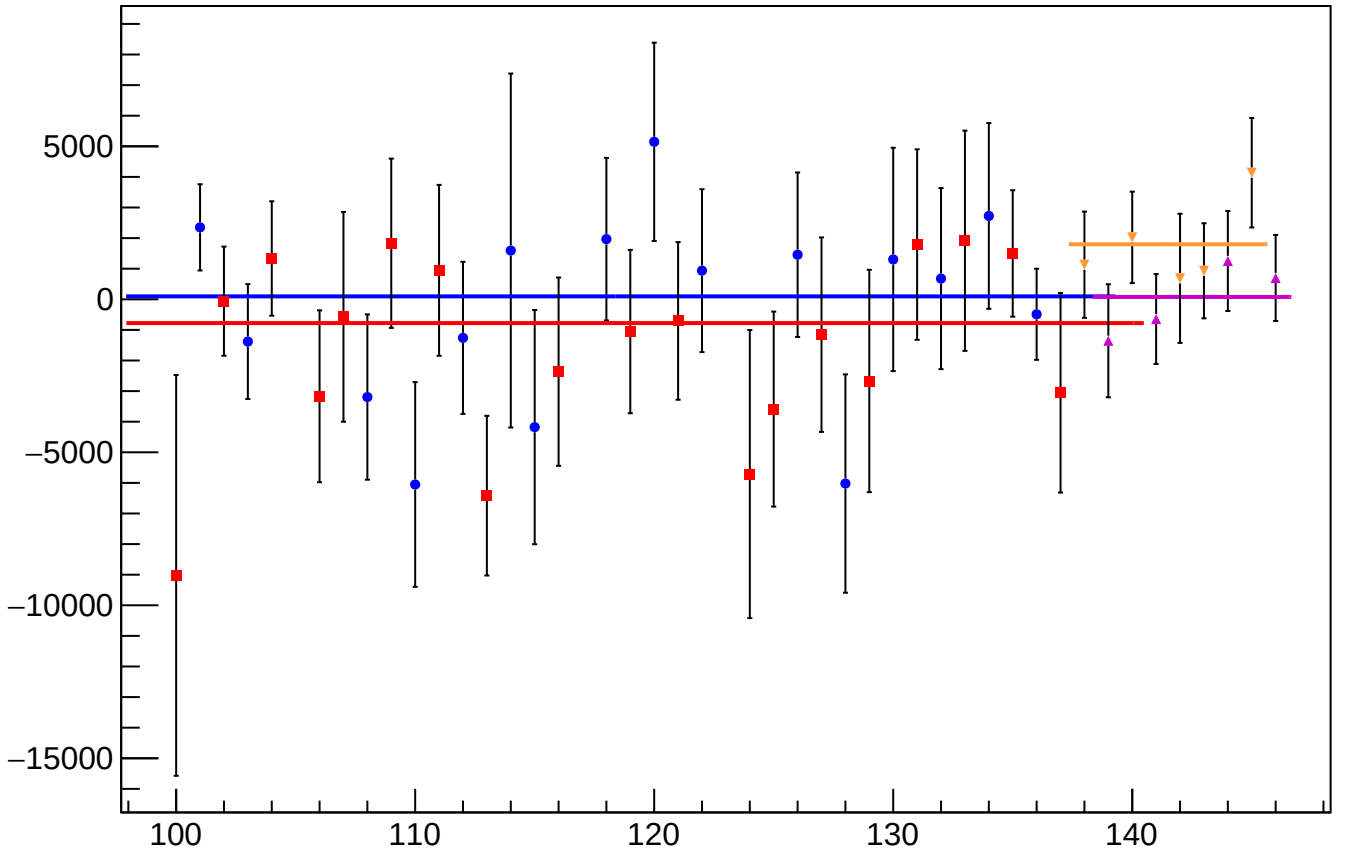
Left: 1111.809+/-0.292 χ^2/NDF: 931.5/8

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1104.682+/-0.238 χ^2/NDF:13916.6/19

Out: 1109.821+/-0.234 χ^2/NDF:9144.7/23

All: 1107.290+/-0.167 χ^2/NDF: 23298.1/43



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

Left Out: 1798.971+/-760.244 χ^2/NDF:2.5/4

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 76.767+/-781.740 χ^2/NDF:1.6/3

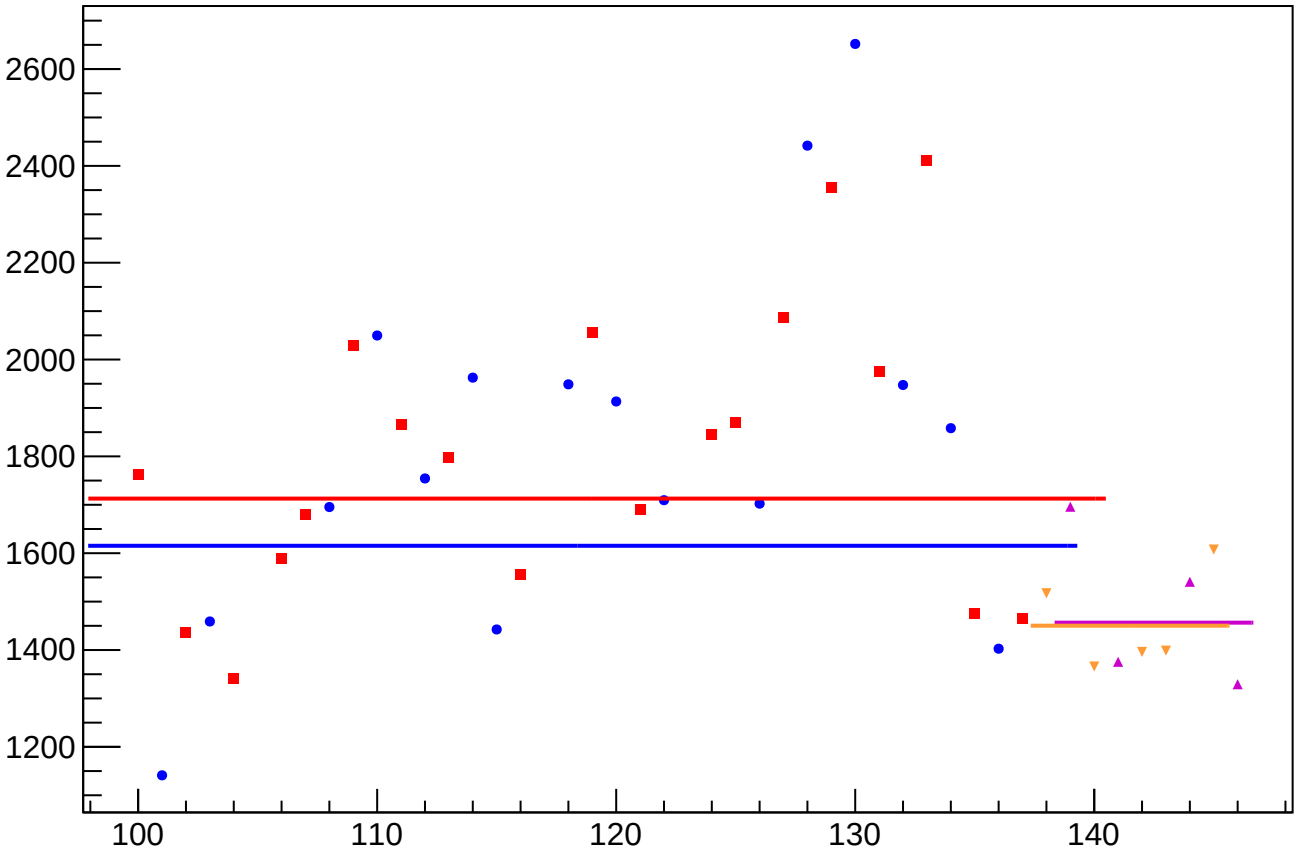
Left: 961.873+/-545.015 χ^2/NDF: 6.5/8

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 88.574+/-484.851 χ^2/NDF:18.5/19

Out: 285.462+/-488.246 χ^2/NDF:24.3/23

All: 186.331+/-344.036 χ^2/NDF: 42.8/43



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

Left Out: 1450.274+/-0.538 χ^2/NDF:28297.0/4

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

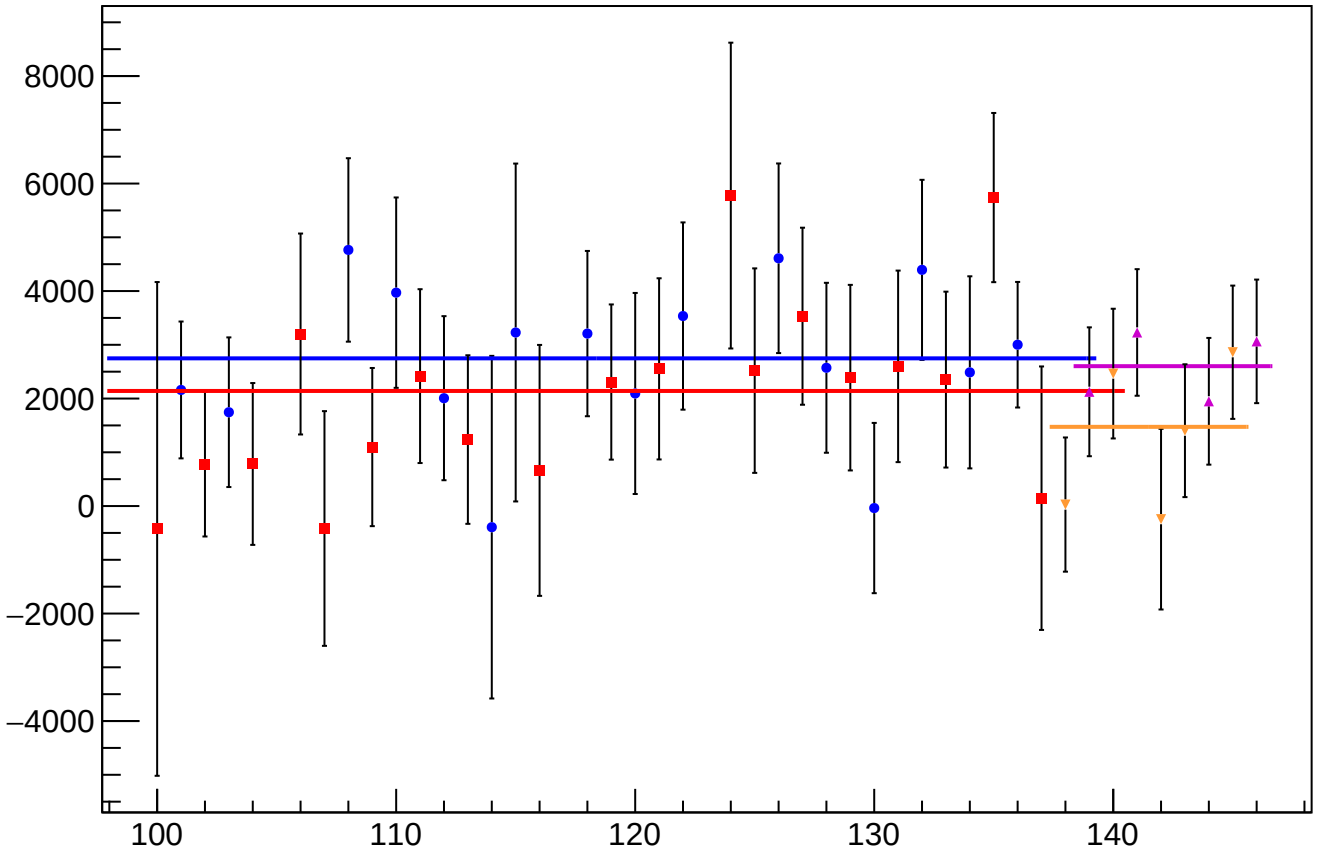
Left: 1453.318+/-0.385 χ^2/NDF: 89730.9/8

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1554.237+/-0.343 χ^2/NDF:805767.0/19

Out: 1604.520+/-0.345 χ^2/NDF:596484.1/23

All: 1579.203+/-0.243 χ^2/NDF: 1412931.2/43



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

Left Out: 1473.633+/-578.504 χ^2/NDF:4.3/4

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2602.411+/-587.901 χ^2/NDF:0.9/3

Left: 2028.929+/-412.346 χ^2/NDF: 7.1/8

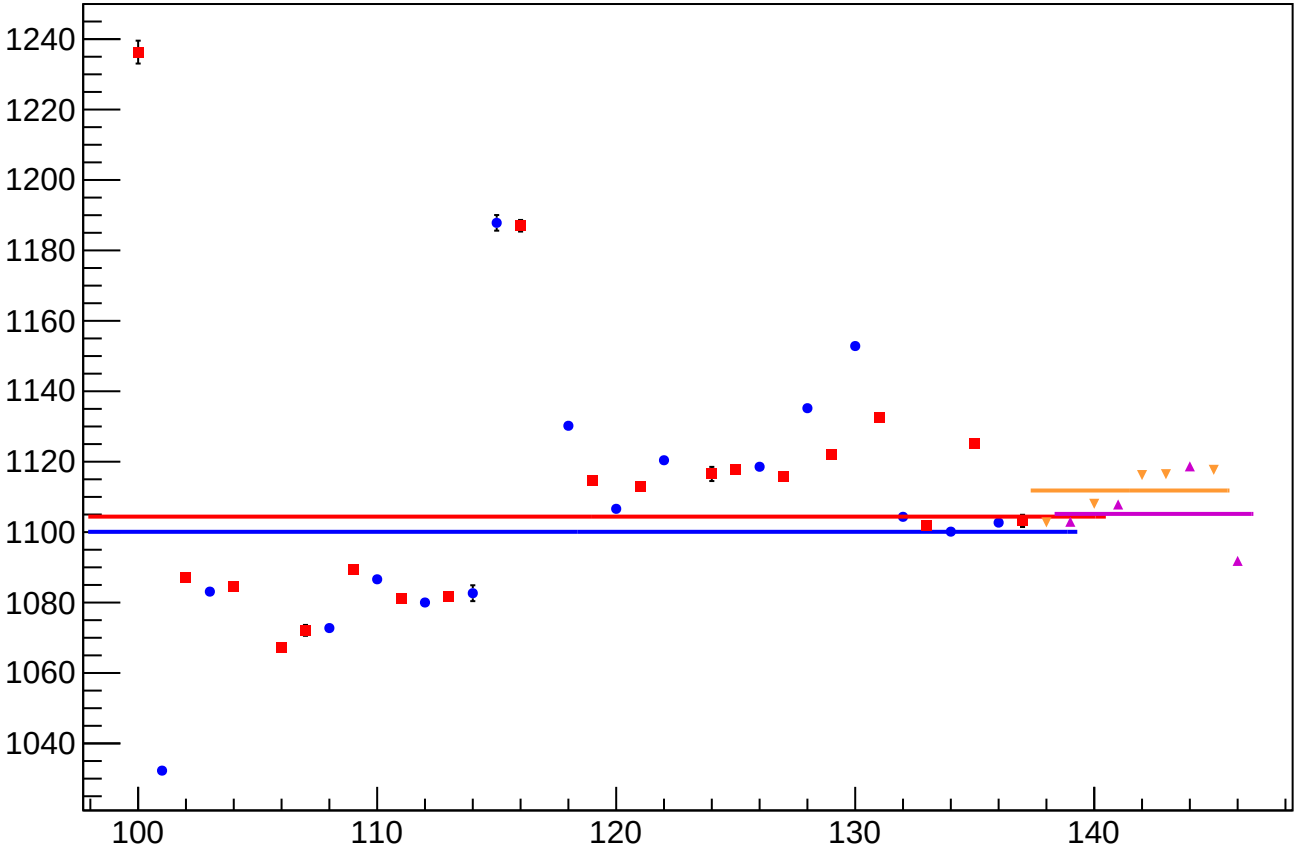
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2700.514+/-335.610 χ^2/NDF:10.5/19

Out: 1923.220+/-330.557 χ^2/NDF:18.8/23

All: 2305.971+/-235.505 χ^2/NDF: 31.9/43

overload_cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1111.818+/-0.409 χ^2/NDF:210.9/4

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1105.175+/-0.416 χ^2/NDF:549.1/3

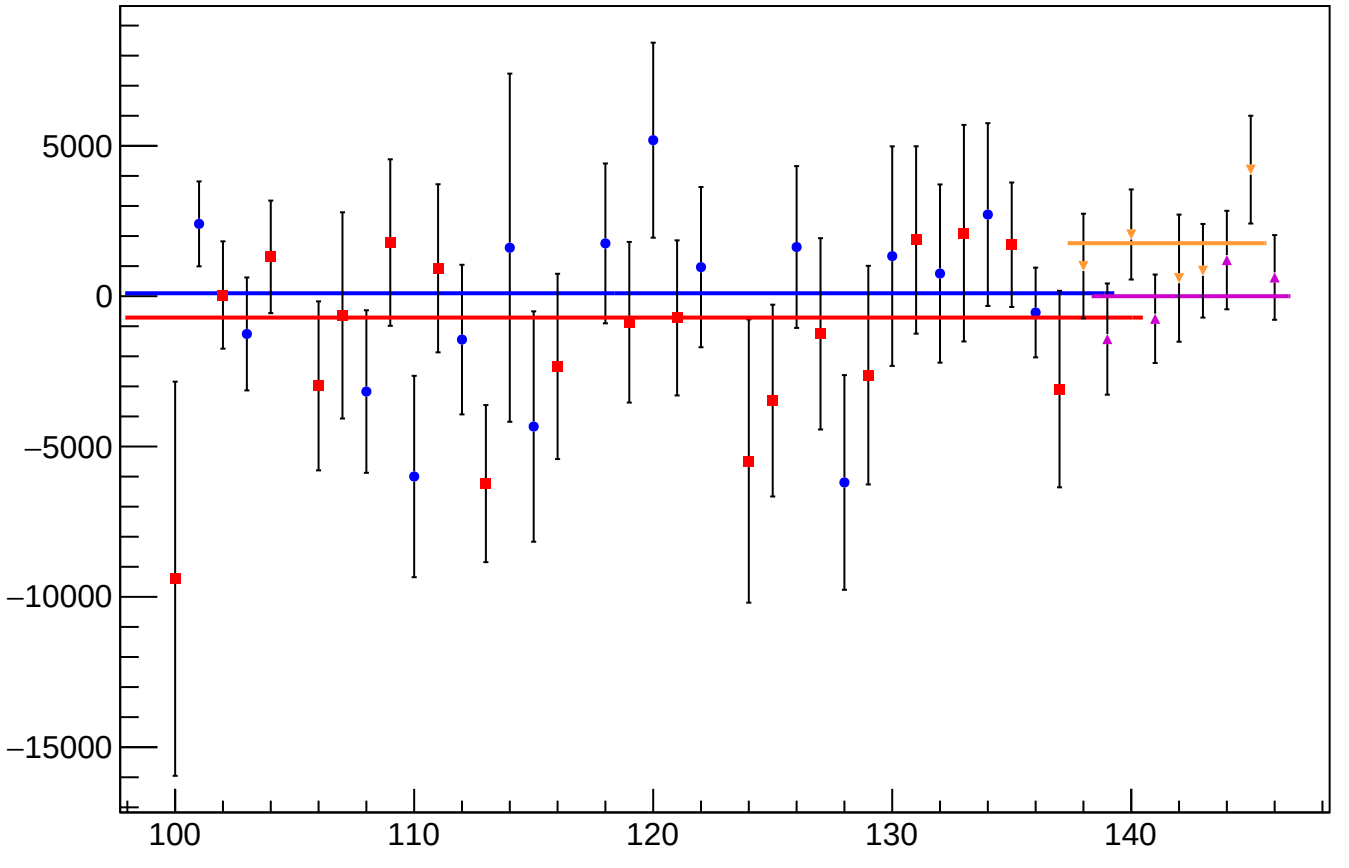
Left: 1108.550+/-0.292 χ^2/NDF: 889.8/8

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1101.747+/-0.237 χ^2/NDF:13727.1/19

Out: 1106.824+/-0.234 χ^2/NDF:8975.8/23

All: 1104.324+/-0.167 χ^2/NDF: 22935.1/43



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

Left Out: 1762.935+/-761.652 χ^2/NDF:2.7/4

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -0.807+/-782.969 χ^2/NDF:1.6/3

Left: 905.400+/-545.950 χ^2/NDF: 6.9/8

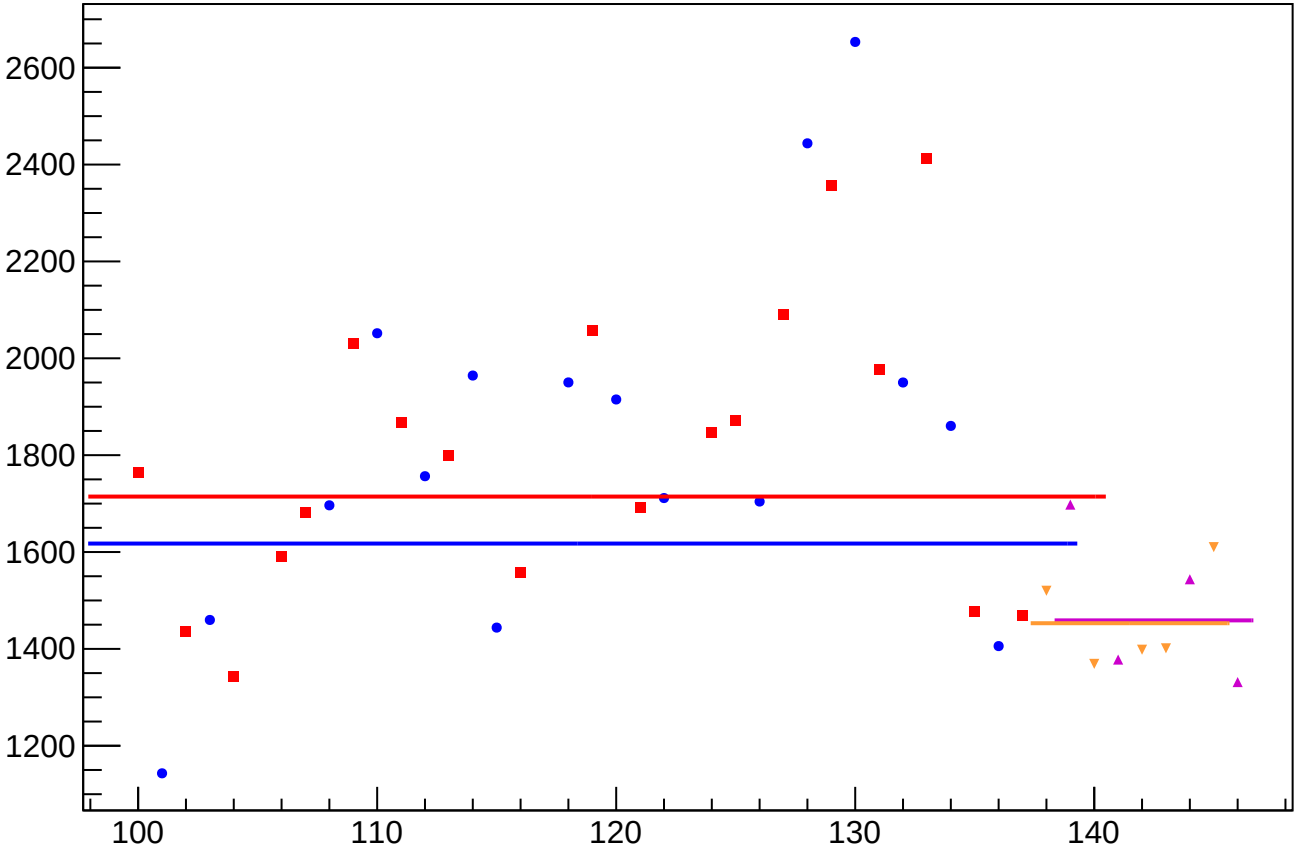
Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 59.658+/-485.521 χ^2/NDF:18.8/19

Out: 308.156+/-488.898 χ^2/NDF:23.9/23

All: 183.046+/-344.503 χ^2/NDF: 42.8/43

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1453.008+/-0.539 χ^2/NDF:28161.7/4

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1458.874+/-0.554 χ^2/NDF:61193.8/3

Left: 1455.860+/-0.386 χ^2/NDF: 89413.2/8

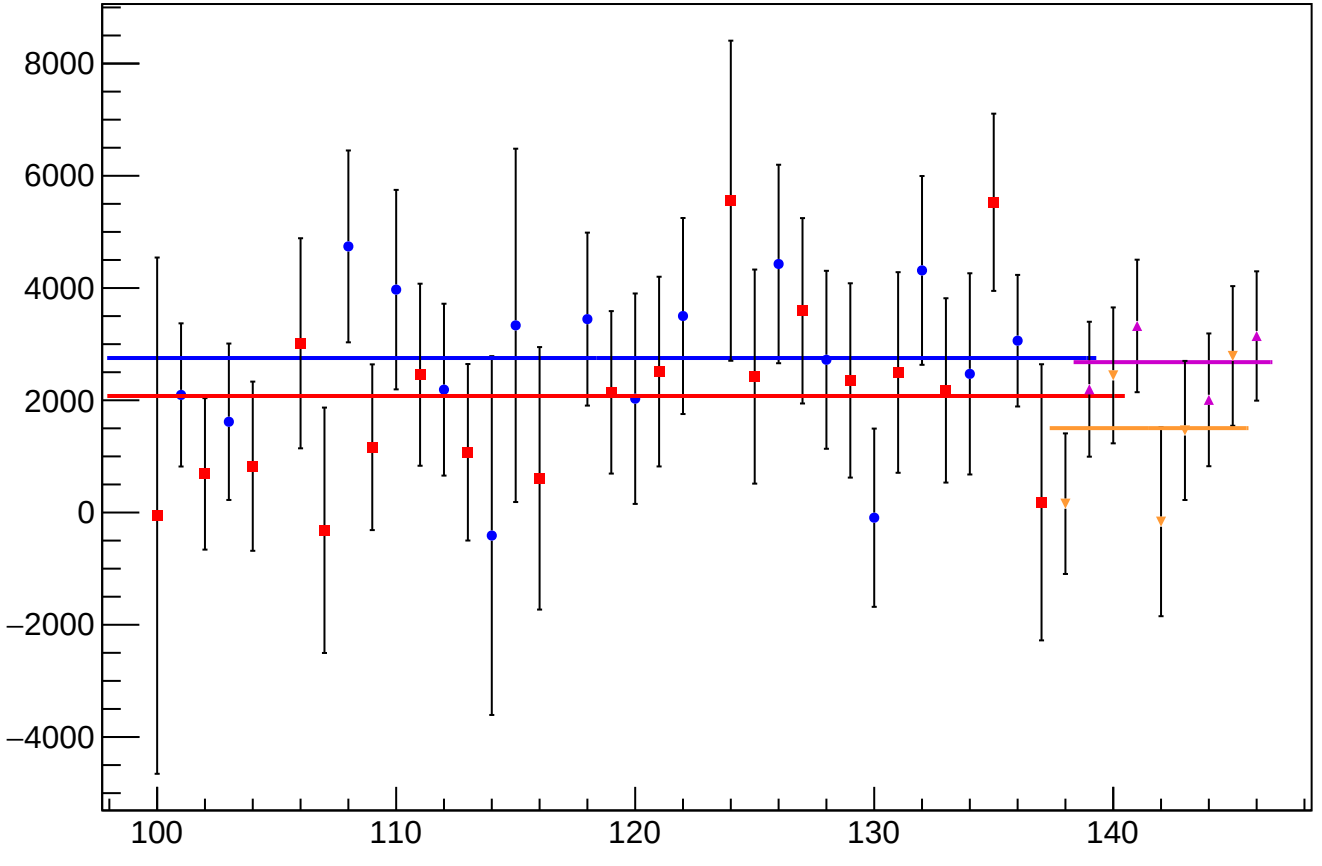
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1556.498+/-0.343 χ^2/NDF:803437.8/19

Out: 1606.763+/-0.346 χ^2/NDF:594488.7/23

All: 1581.456+/-0.244 χ^2/NDF: 1408570.2/43

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1503.745+/-580.326 χ^2/NDF:3.8/4

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2679.555+/-589.505 χ^2/NDF:0.9/3

Left: 2082.424+/-413.559 χ^2/NDF: 6.8/8

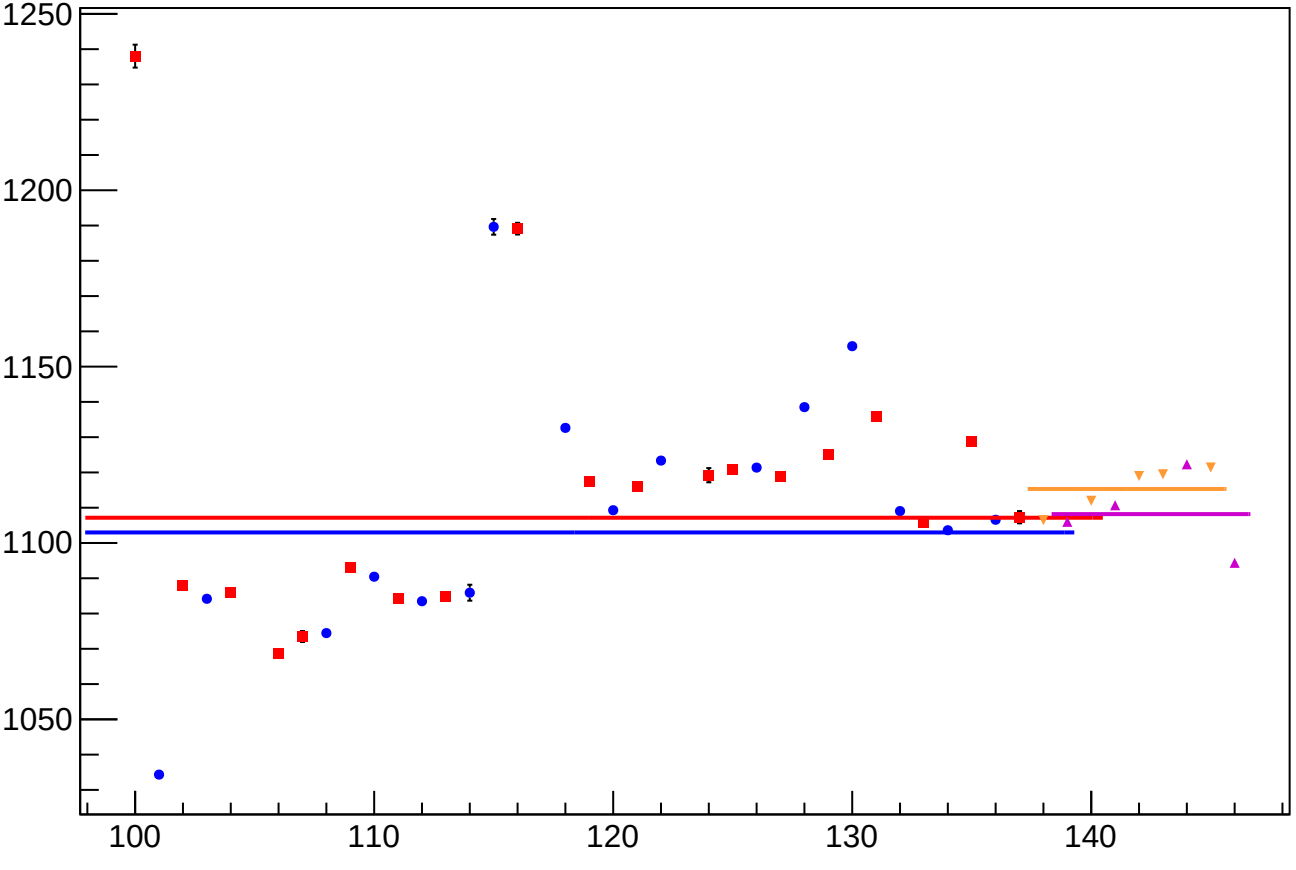
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2729.151+/-336.505 χ^2/NDF:10.5/19

Out: 1889.640+/-331.454 χ^2/NDF:17.0/23

All: 2303.047+/-236.139 χ^2/NDF: 30.6/43

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1115.318+/-0.410 χ^2/NDF:195.0/4

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

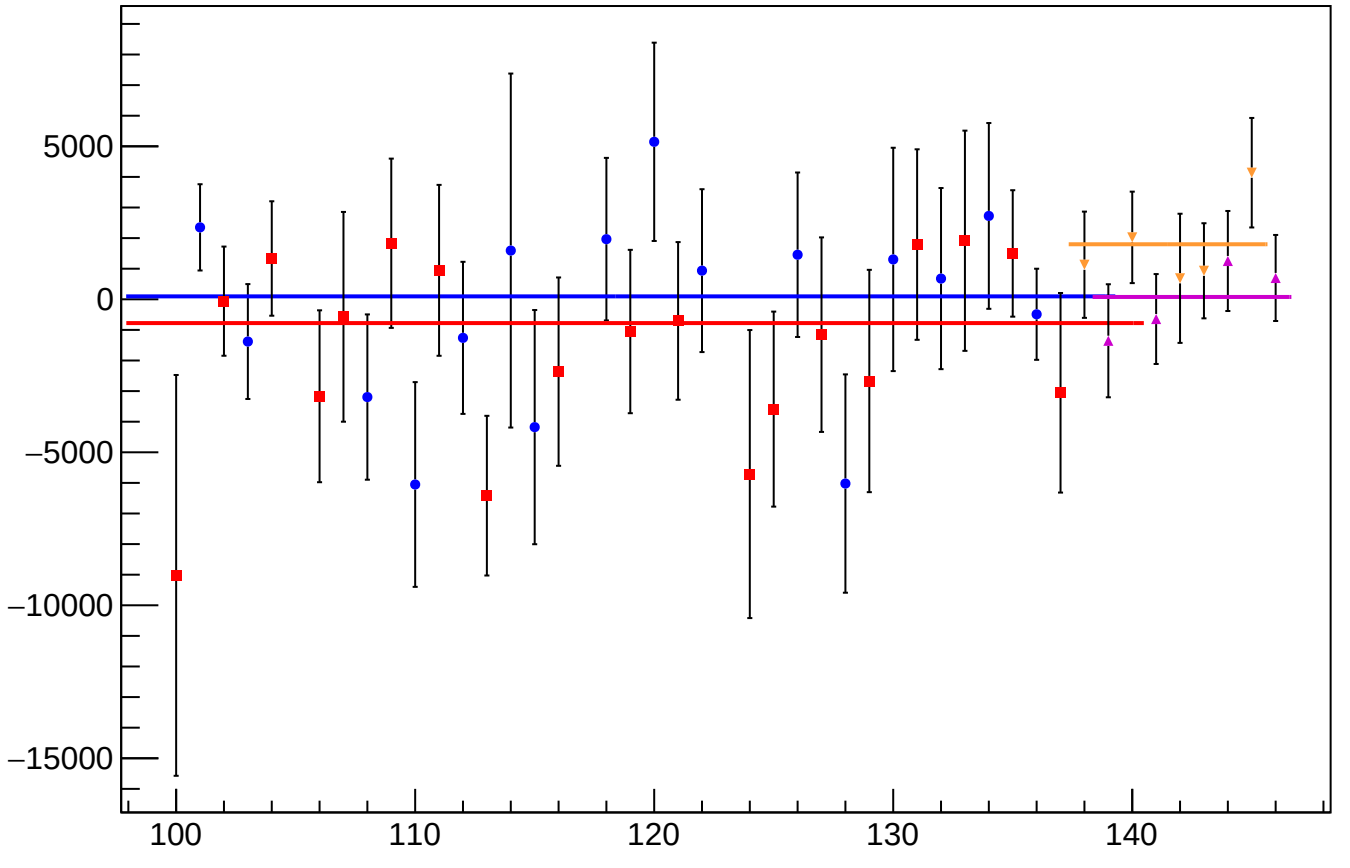
Left: 1111.809+/-0.292 χ^2/NDF: 931.5/8

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1104.682+/-0.238 χ^2/NDF:13916.6/19

Out: 1109.821+/-0.234 χ^2/NDF:9144.7/23

All: 1107.290+/-0.167 χ^2/NDF: 23298.1/43



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

Left Out: 1798.971+/-760.244 χ^2/NDF:2.5/4

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 76.767+/-781.740 χ^2/NDF:1.6/3

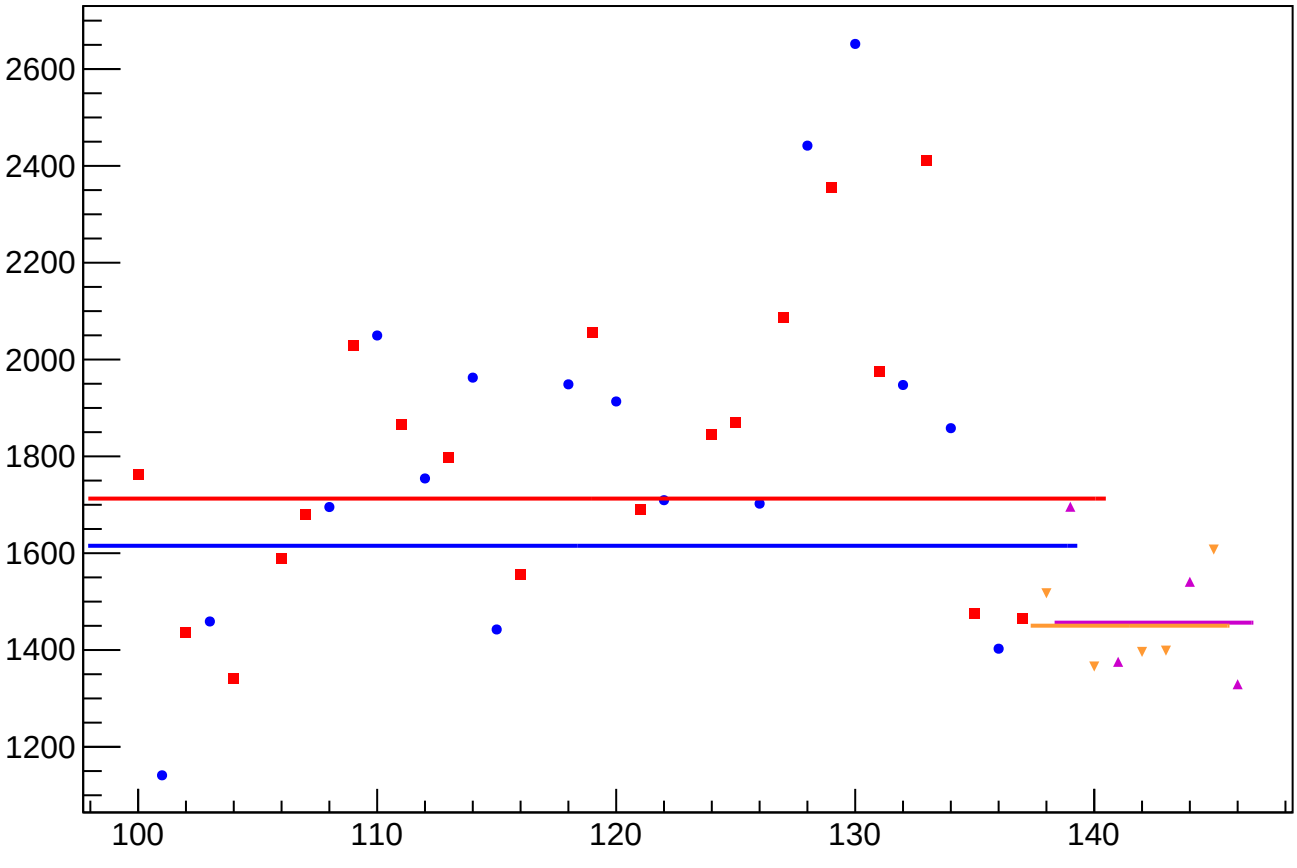
Left: 961.873+/-545.015 χ^2/NDF: 6.5/8

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 88.574+/-484.851 χ^2/NDF:18.5/19

Out: 285.462+/-488.246 χ^2/NDF:24.3/23

All: 186.331+/-344.036 χ^2/NDF: 42.8/43



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

Left Out: 1450.274+/-0.538 χ^2/NDF:28297.0/4

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

Left: 1453.318+/-0.385 χ^2/NDF: 89730.9/8

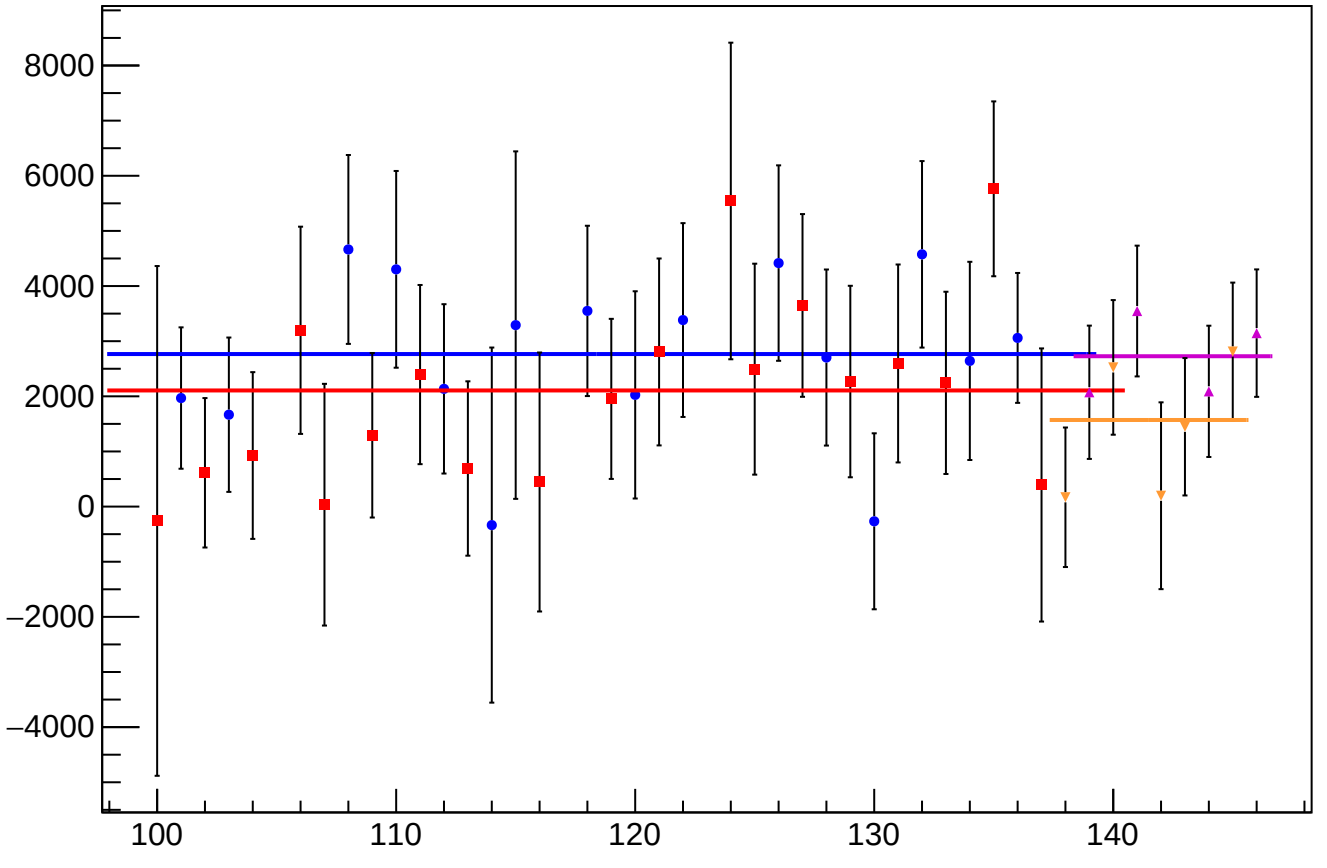
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1554.237+/-0.343 χ^2/NDF:805767.0/19

Out: 1604.520+/-0.345 χ^2/NDF:596484.1/23

All: 1579.203+/-0.243 χ^2/NDF: 1412931.2/43

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1570.829+/-584.425 χ^2/NDF:3.5/4

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2727.042+/-592.406 χ^2/NDF:1.2/3

Left: 2141.094+/-416.044 χ^2/NDF: 6.6/8

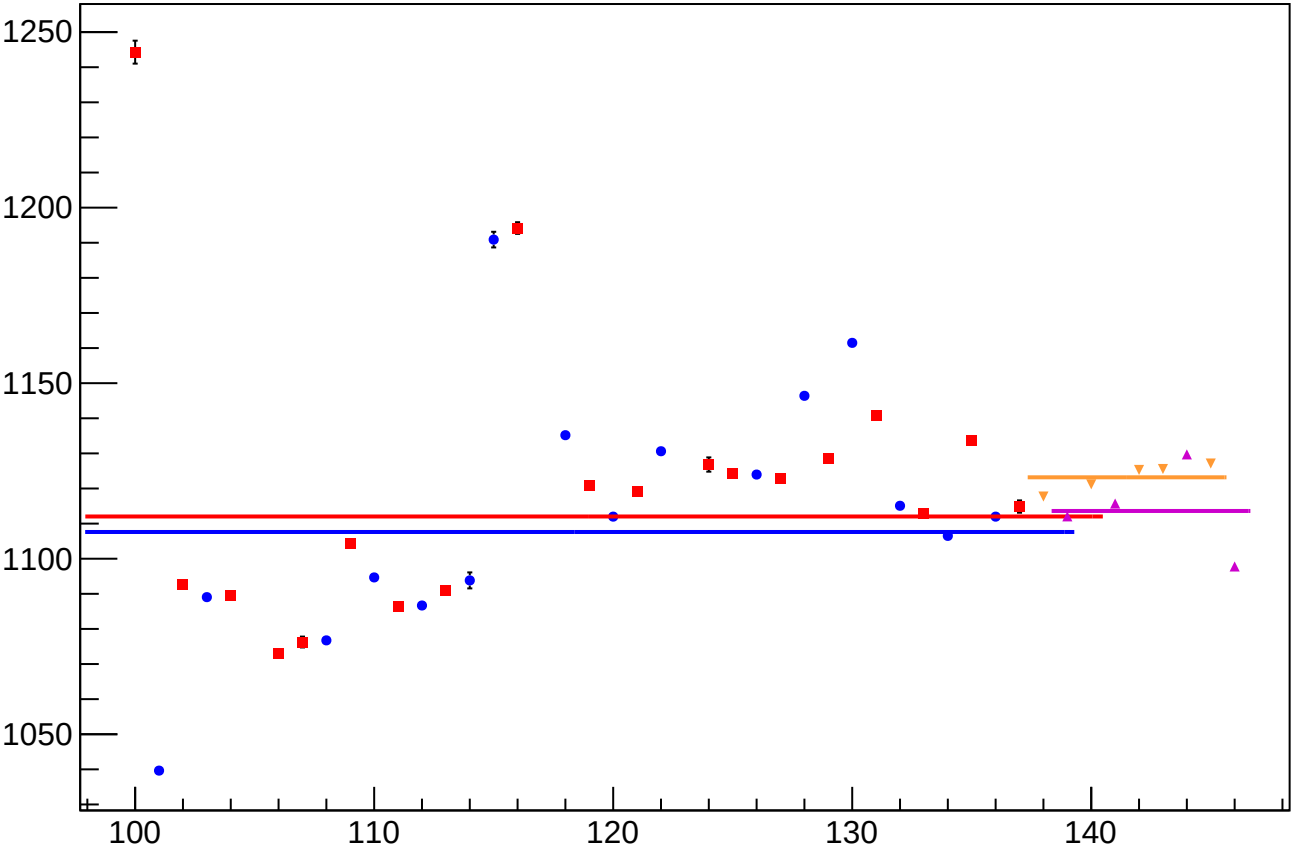
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2753.761+/-338.000 χ^2/NDF:11.5/19

Out: 1932.276+/-333.207 χ^2/NDF:17.4/23

All: 2337.152+/-237.289 χ^2/NDF: 31.9/43

dit_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1123.187+/-0.413 χ^2/NDF:72.8/4

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1113.599+/-0.419 χ^2/NDF:750.2/3

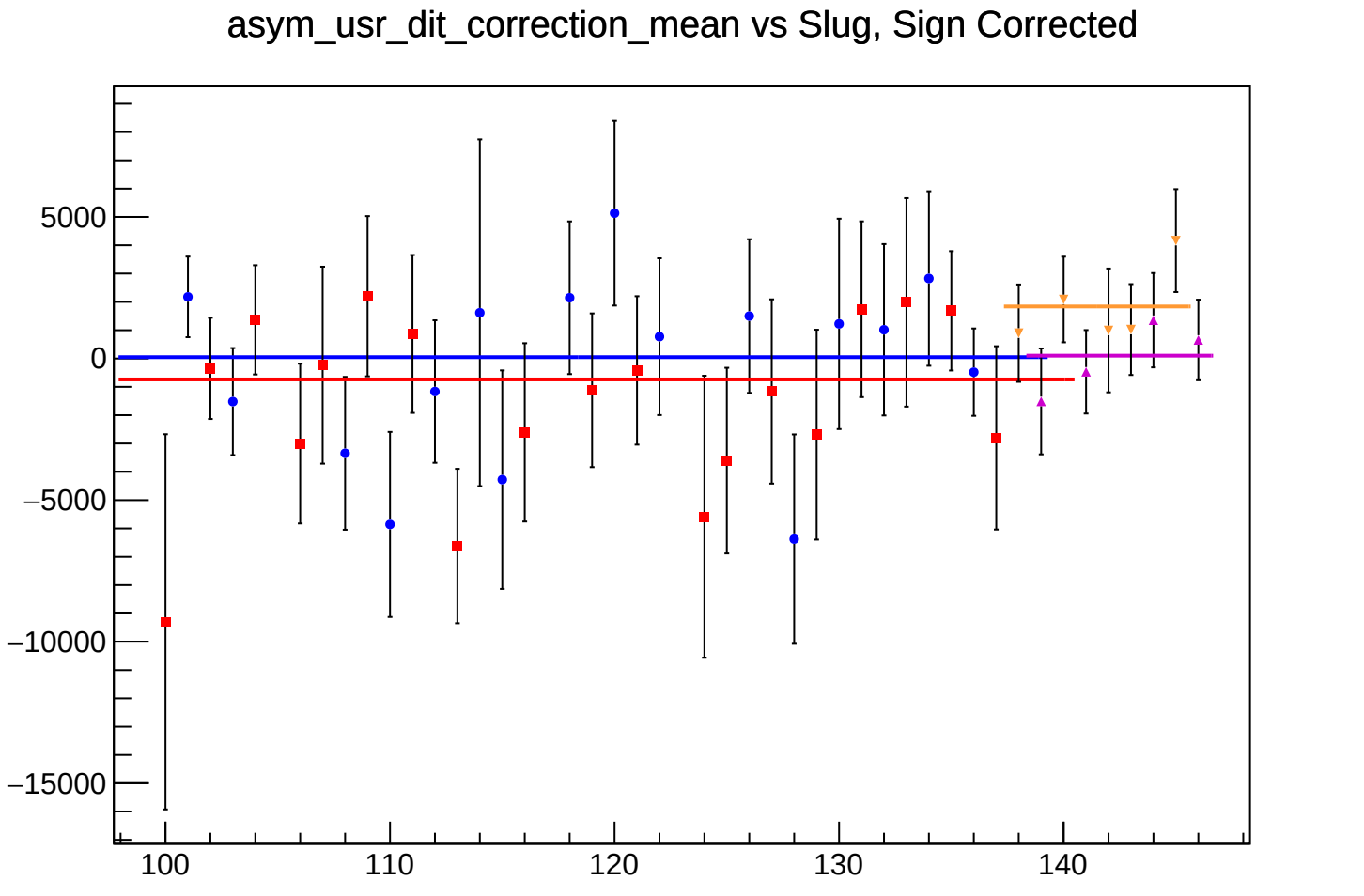
Left: 1118.458+/-0.294 χ^2/NDF: 1088.5/8

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1109.562+/-0.239 χ^2/NDF:14108.7/19

Out: 1115.656+/-0.236 χ^2/NDF:9218.3/23

All: 1112.653+/-0.168 χ^2/NDF: 23656.7/43



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

Left Out: 1837.631+/-772.365 χ^2/NDF:2.4/4

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: 101.434+/-790.243 χ^2/NDF:1.6/3

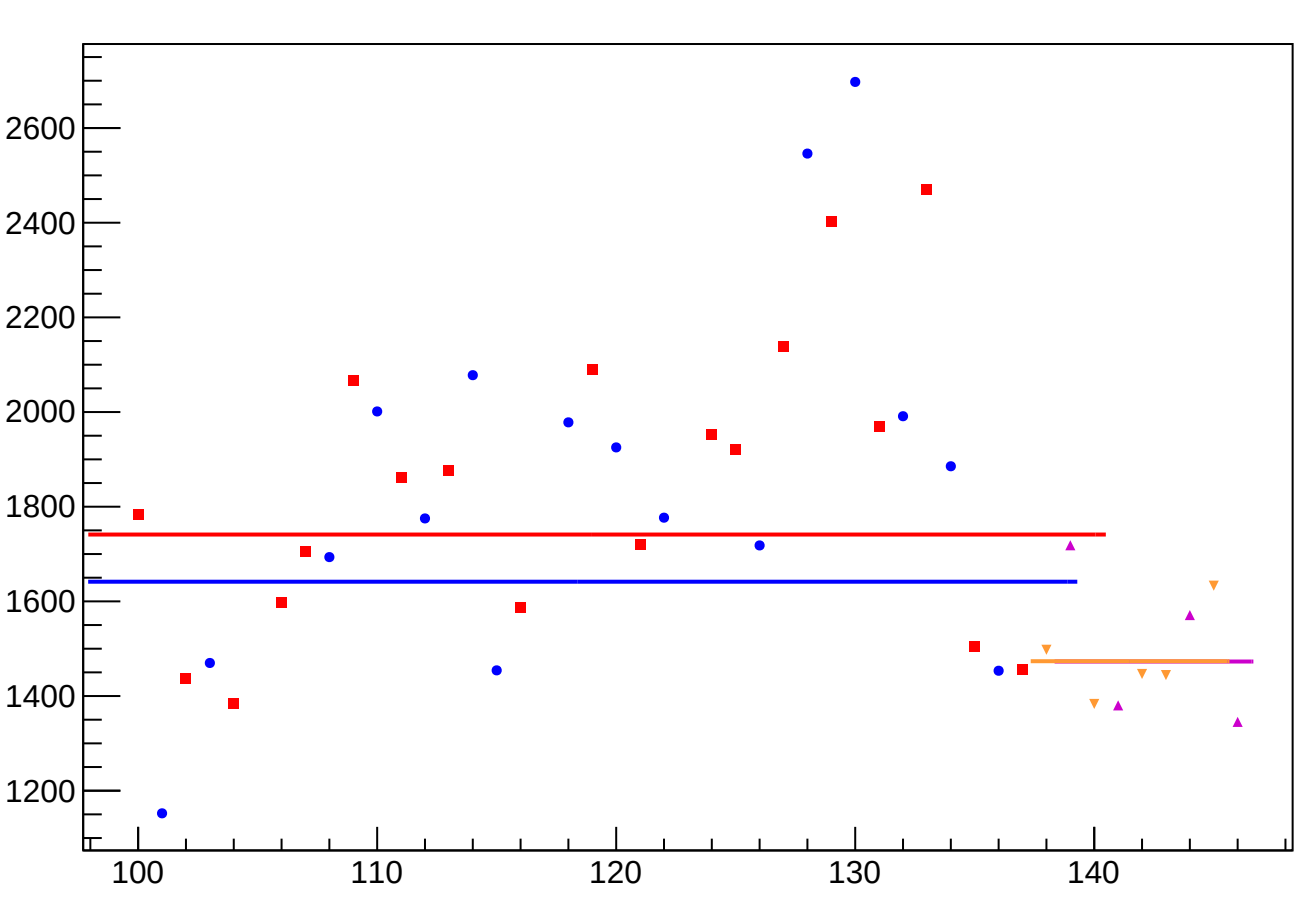
Left: 989.394+/-552.357 χ^2/NDF: 6.5/8

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: 68.574+/-491.685 χ^2/NDF:18.5/19

Out: 325.510+/-496.334 χ^2/NDF:23.8/23

All: 195.833+/-349.306 χ^2/NDF: 42.5/43



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

Left Out: 1473.564+/-0.546 χ^2/NDF:23911.1/4

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1472.913+/-0.559 χ^2/NDF:65422.9/3

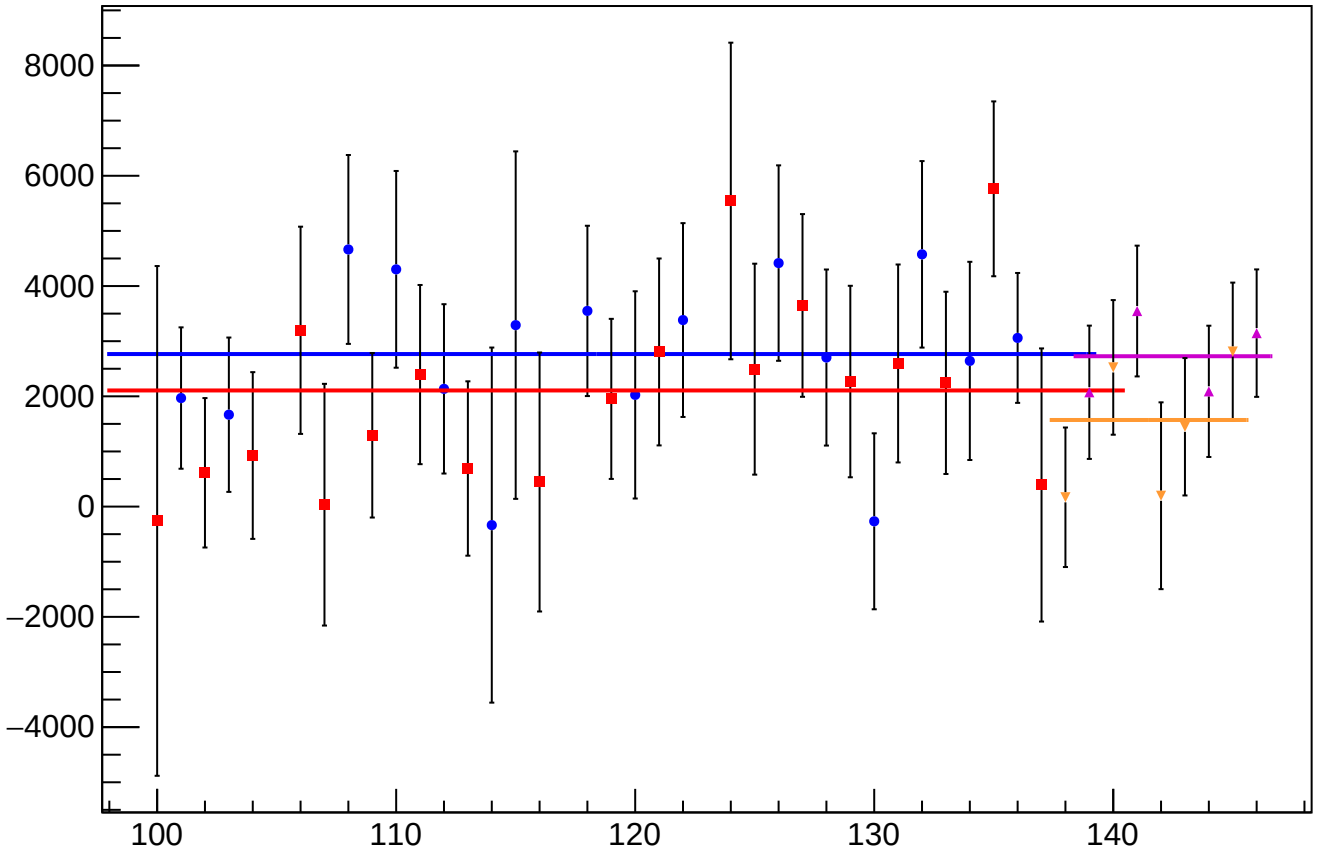
Left: 1473.246+/-0.391 χ^2/NDF: 89334.8/8

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1576.259+/-0.348 χ^2/NDF:822545.6/19

Out: 1630.679+/-0.351 χ^2/NDF:603223.7/23

All: 1603.213+/-0.247 χ^2/NDF: 1437904.2/43



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

Left Out: 1570.832+/-584.425 χ^2/NDF:3.5/4

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2727.039+/-592.406 χ^2/NDF:1.2/3

Left: 2141.094+/-416.044 χ^2/NDF: 6.6/8

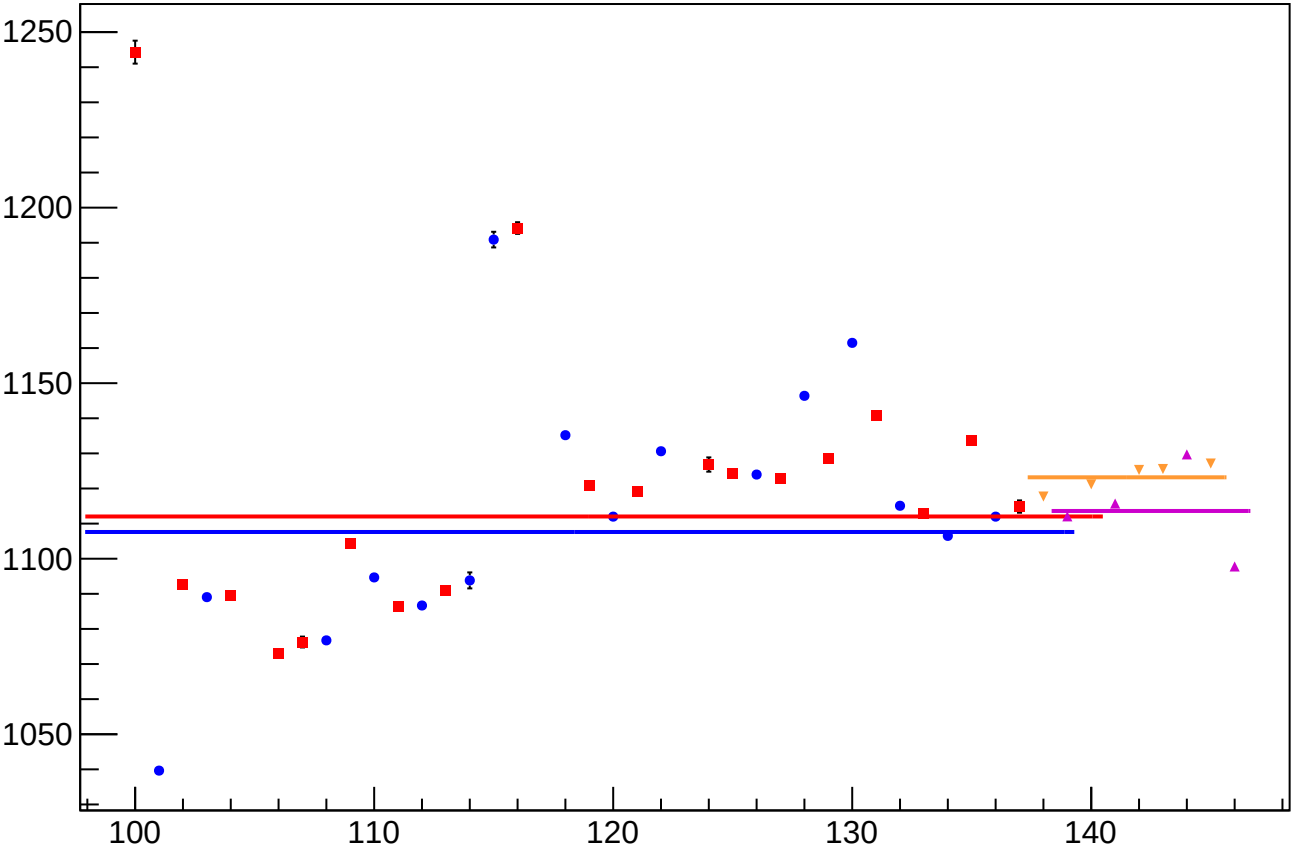
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2753.759+/-338.000 χ^2/NDF:11.5/19

Out: 1932.279+/-333.207 χ^2/NDF:17.4/23

All: 2337.153+/-237.289 χ^2/NDF: 31.9/43

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1123.187+/-0.413 χ^2/NDF:72.8/4

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1113.599+/-0.419 χ^2/NDF:750.2/3

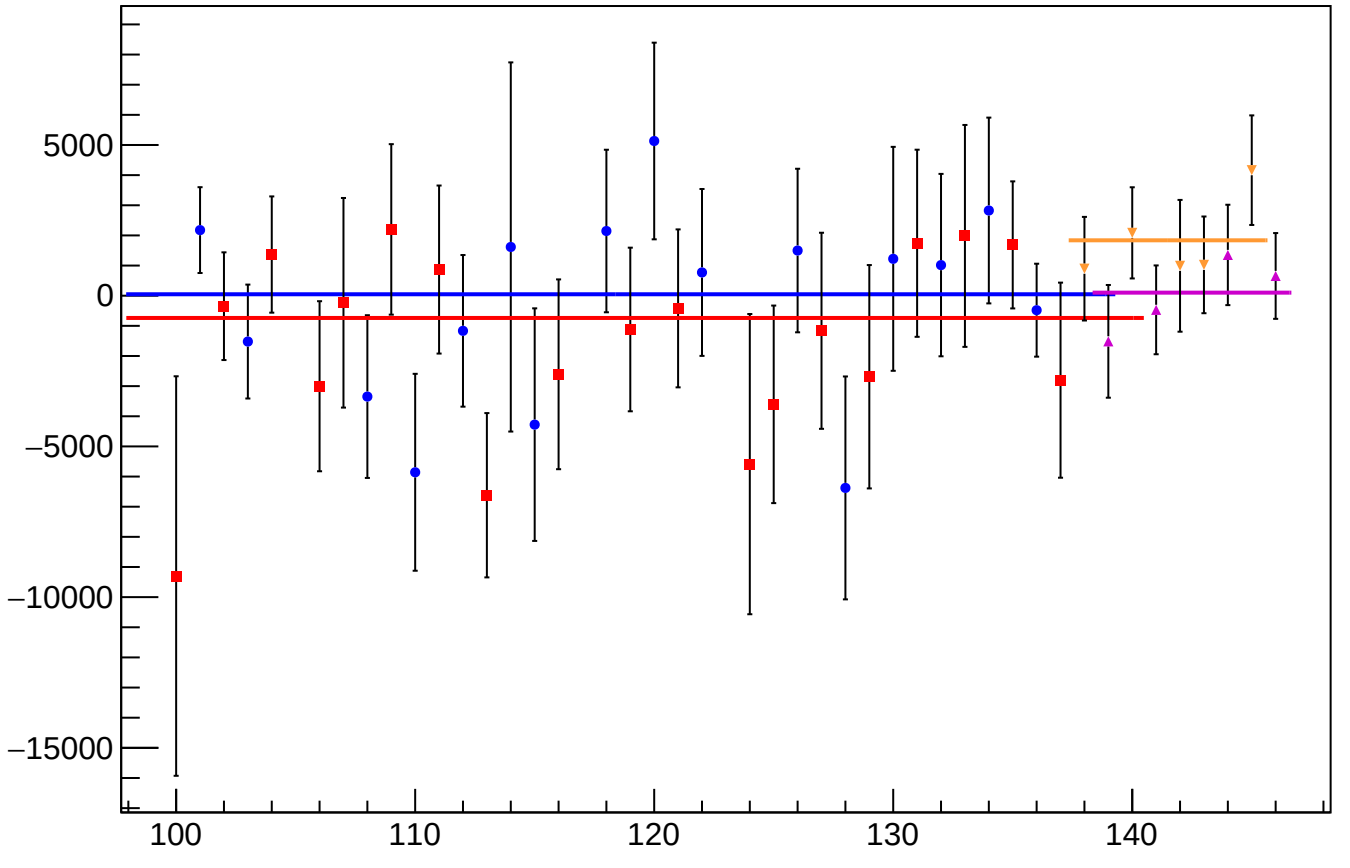
Left: 1118.458+/-0.294 χ^2/NDF: 1088.5/8

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1109.562+/-0.239 χ^2/NDF:14108.6/19

Out: 1115.656+/-0.236 χ^2/NDF:9218.3/23

All: 1112.652+/-0.168 χ^2/NDF: 23656.7/43



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

Left Out: 1837.634+/-772.367 χ^2/NDF:2.4/4

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 101.432+/-790.245 χ^2/NDF:1.6/3

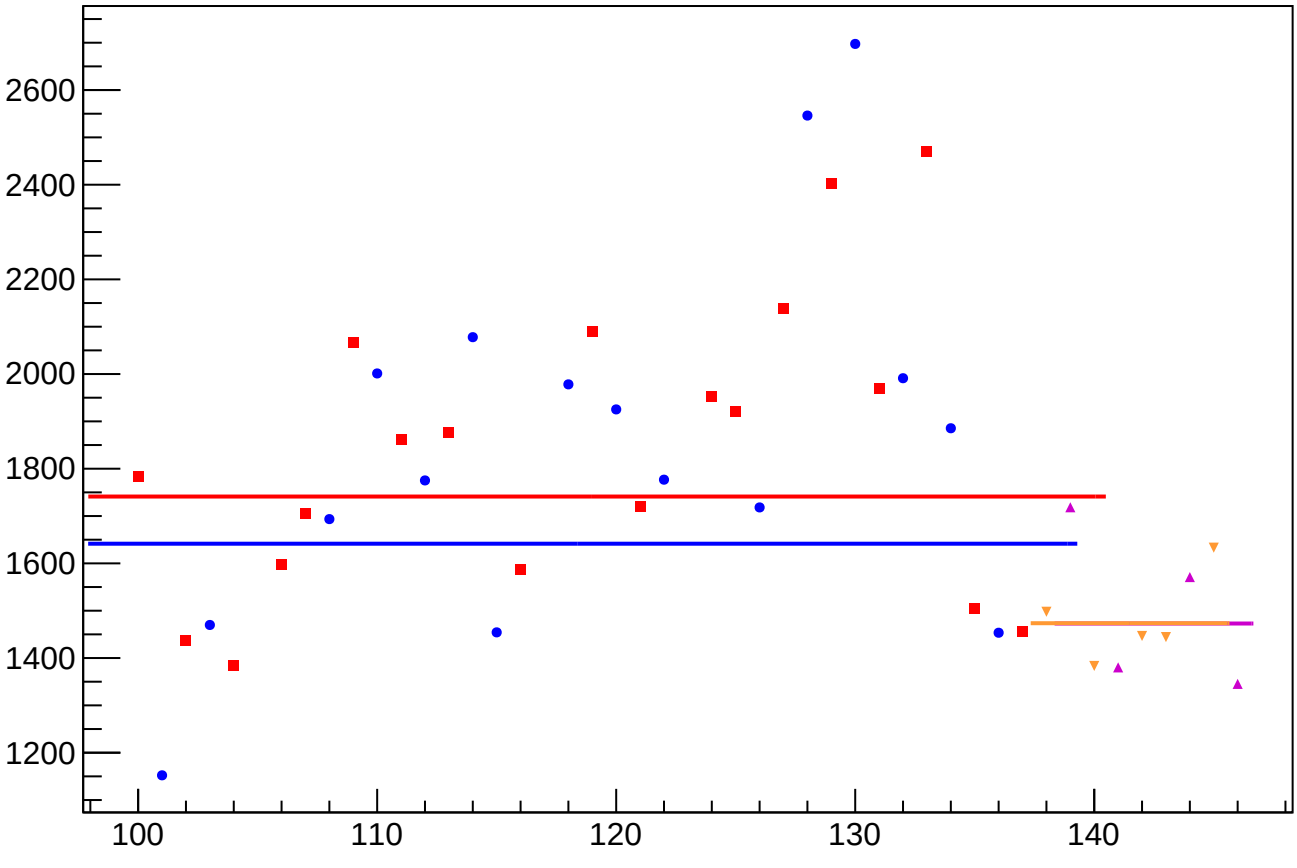
Left: 989.395+/-552.358 χ^2/NDF: 6.5/8

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: 68.570+/-491.685 χ^2/NDF:18.5/19

Out: 325.504+/-496.334 χ^2/NDF:23.8/23

All: 195.828+/-349.306 χ^2/NDF: 42.5/43



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

Left Out: 1473.568+/-0.546 χ^2/NDF:23911.7/4

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1472.916+/-0.559 χ^2/NDF:65424.7/3

Left: 1473.250+/-0.391 χ^2/NDF: 89337.1/8

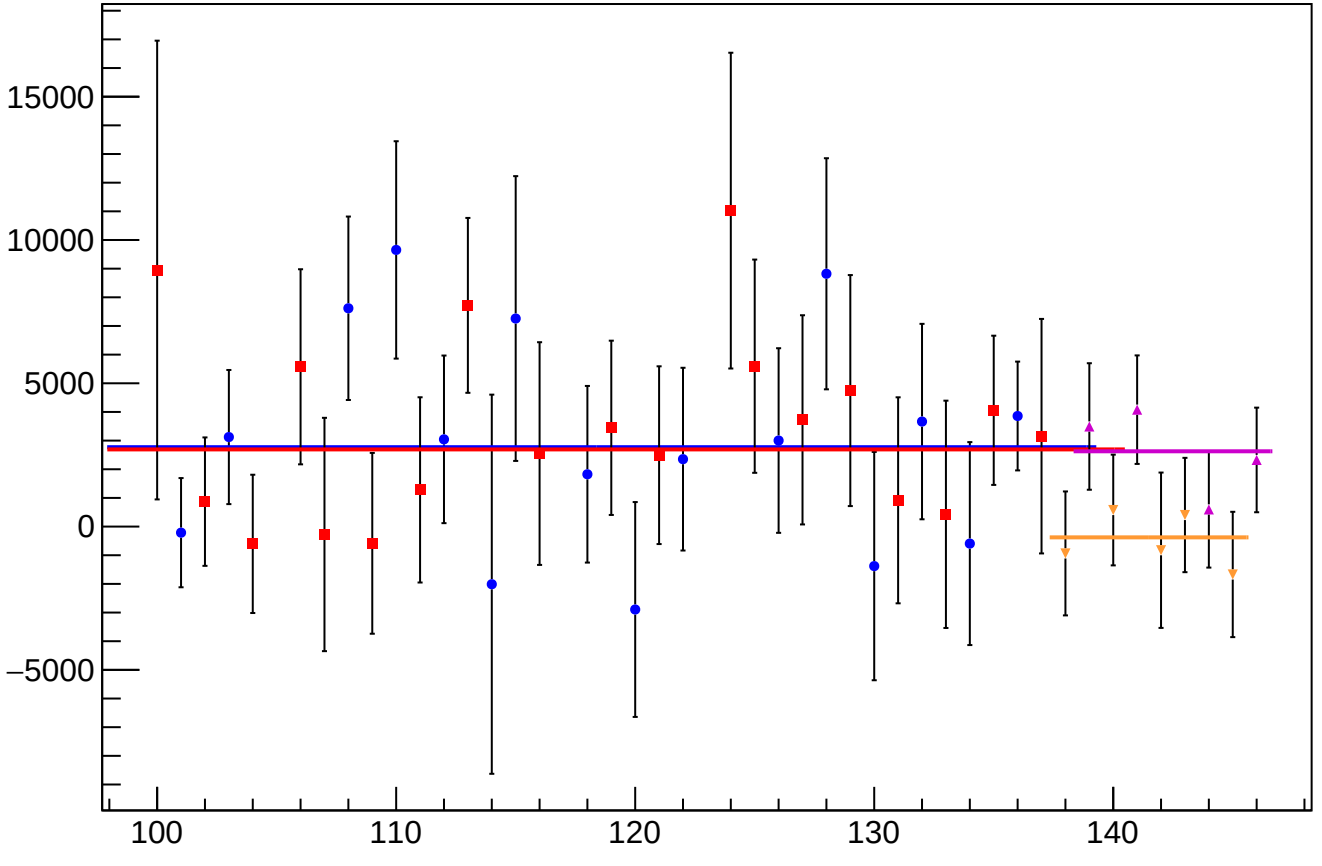
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1576.259+/-0.348 χ^2/NDF:822531.5/19

Out: 1630.680+/-0.351 χ^2/NDF:603206.1/23

All: 1603.214+/-0.247 χ^2/NDF: 1437872.9/43

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: -376.402+/-962.945 χ^2/NDF:0.8/4

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2627.058+/-986.779 χ^2/NDF:1.8/3

Left: 1088.618+/-689.177 χ^2/NDF: 7.4/8

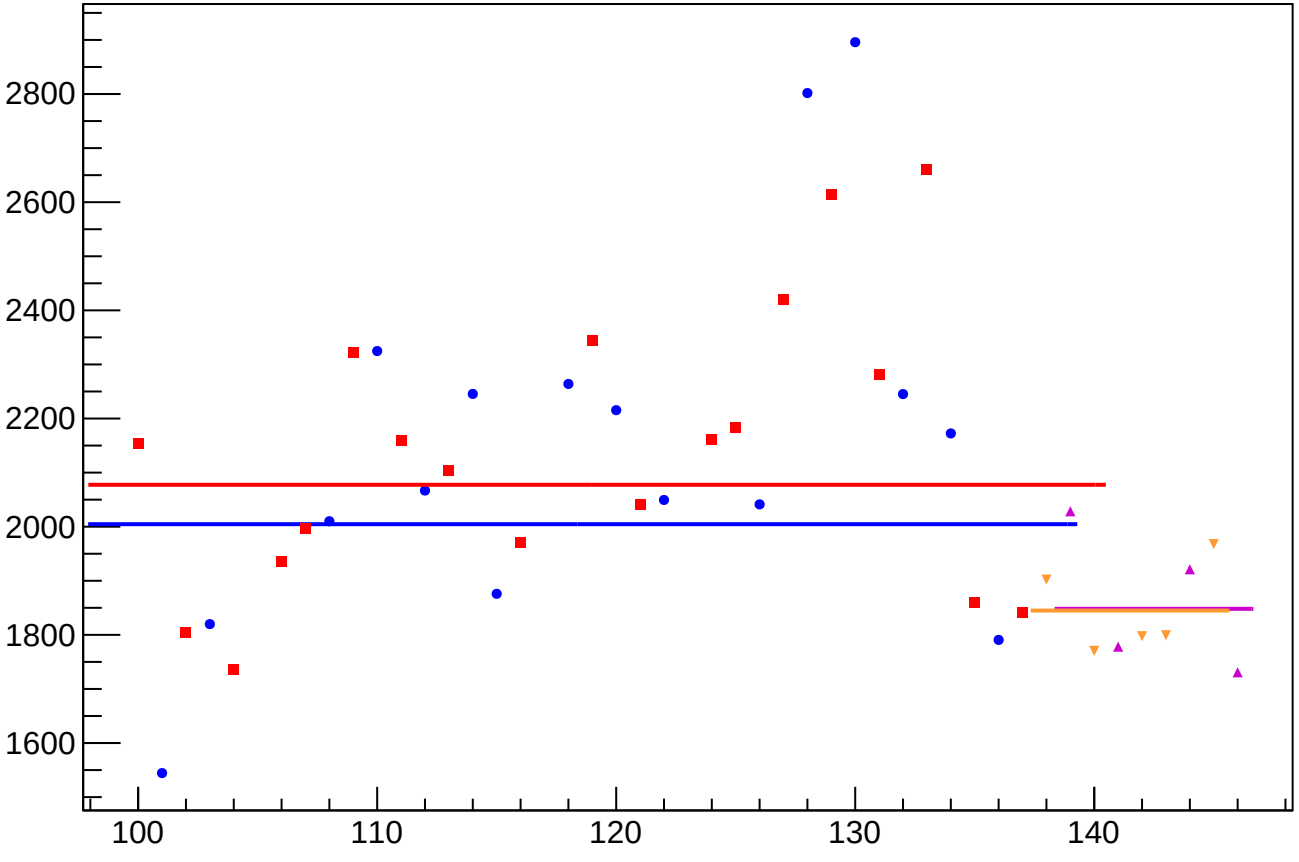
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2717.003+/-600.677 χ^2/NDF:18.2/19

Out: 1503.696+/-599.348 χ^2/NDF:19.6/23

All: 2109.006+/-424.272 χ^2/NDF: 39.9/43

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1844.954+/-0.681 χ^2/NDF:12337.1/4

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1848.144+/-0.698 χ^2/NDF:26951.0/3

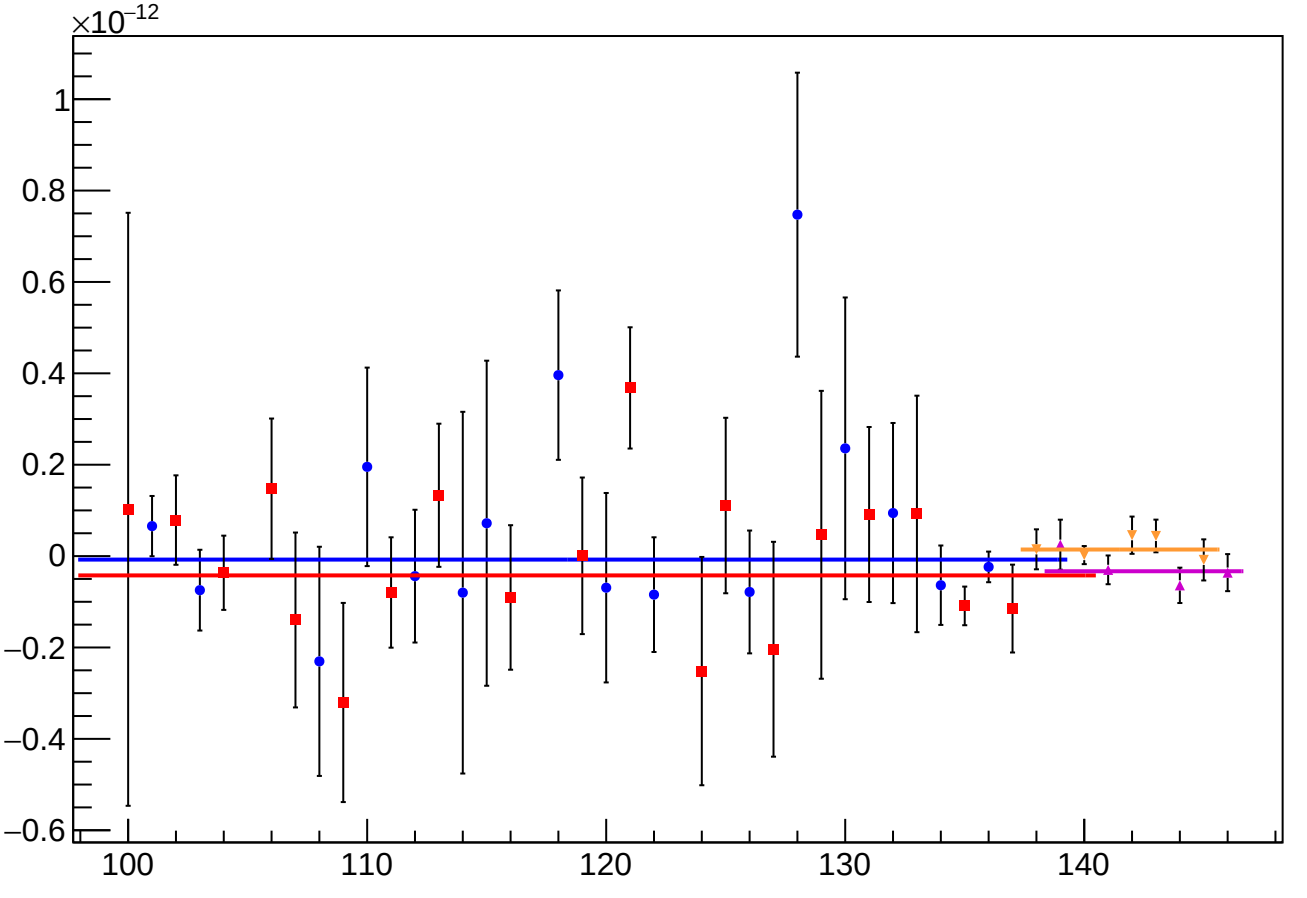
Left: 1846.510+/-0.487 χ^2/NDF: 39298.8/8

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1946.648+/-0.425 χ^2/NDF:446179.9/19

Out: 1987.413+/-0.424 χ^2/NDF:314272.8/23

All: 1967.076+/-0.300 χ^2/NDF: 765068.5/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

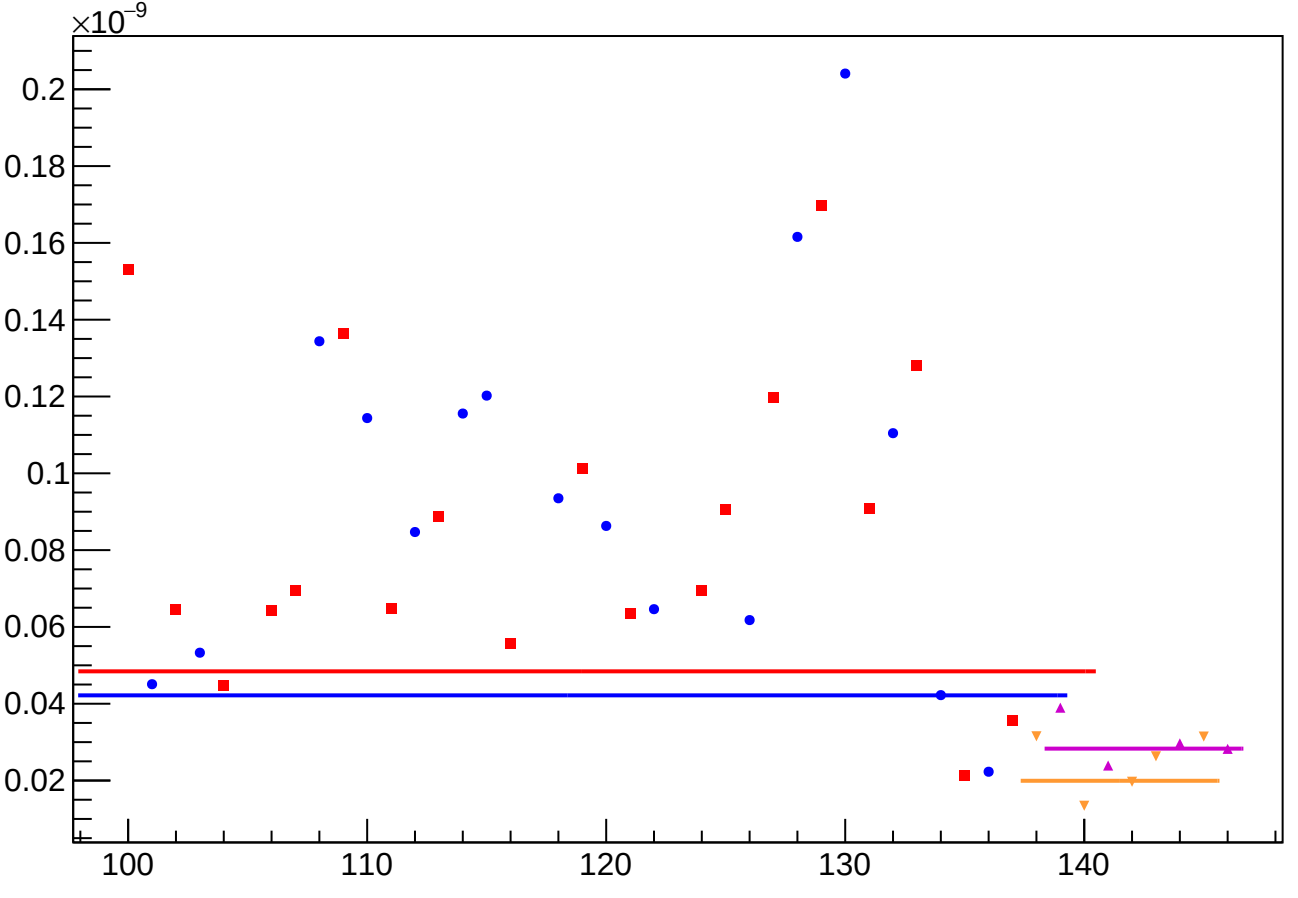
Left: -0.000+/-0.000 χ^2/NDF: 7.6/8

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:18.9/19

Out: 0.000+/-0.000 χ^2/NDF:27.1/23

All: -0.000+/-0.000 χ^2/NDF: 47.7/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:550420.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:117498.6/3

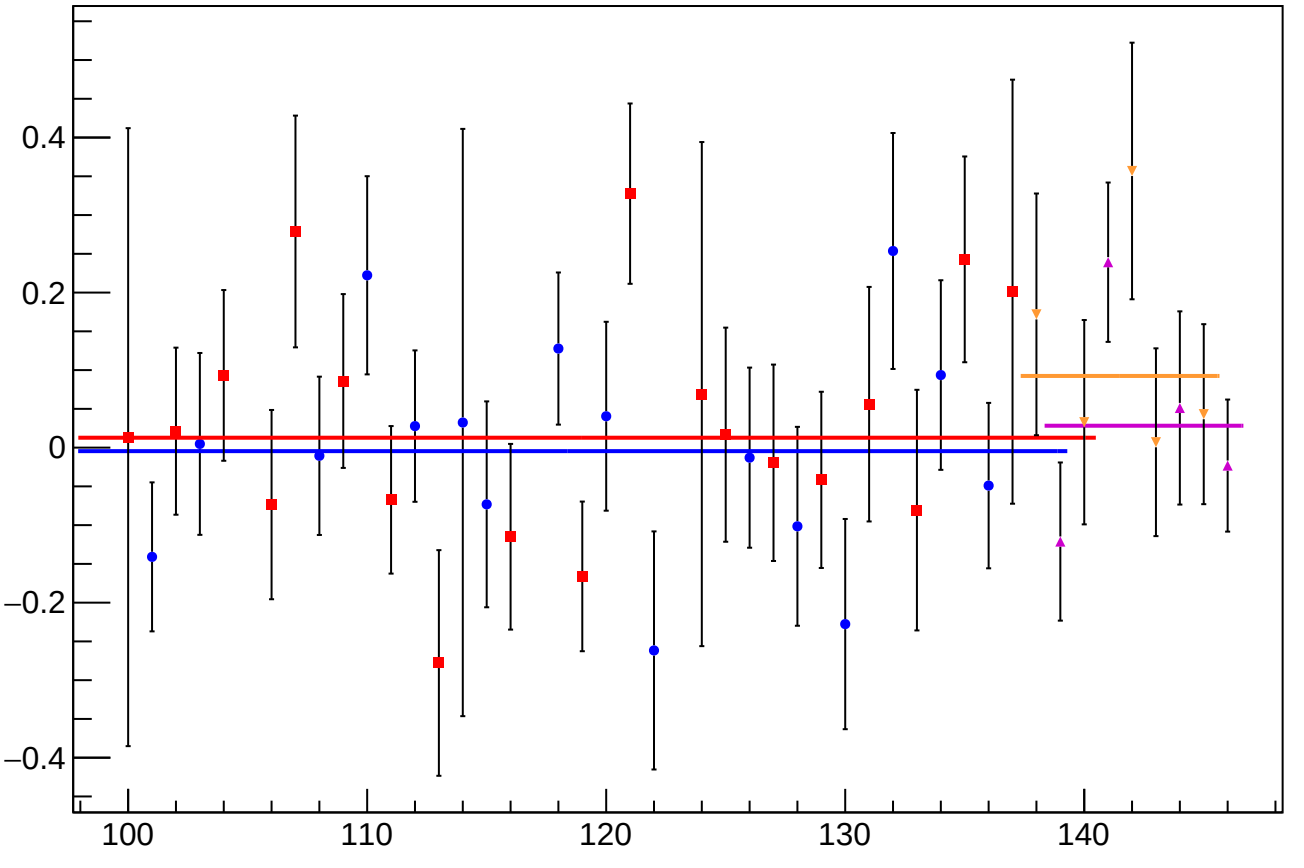
Left: 0.000+/-0.000 χ^2/NDF: 908015.6/8

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:3447230.2/19

Out: 0.000+/-0.000 χ^2/NDF:4898027.2/23

All: 0.000+/-0.000 χ^2/NDF: 8645020.6/43



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

Left Out: 0.092+/-0.060 χ^2/NDF:3.7/4

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.028+/-0.050 χ^2/NDF:6.8/3

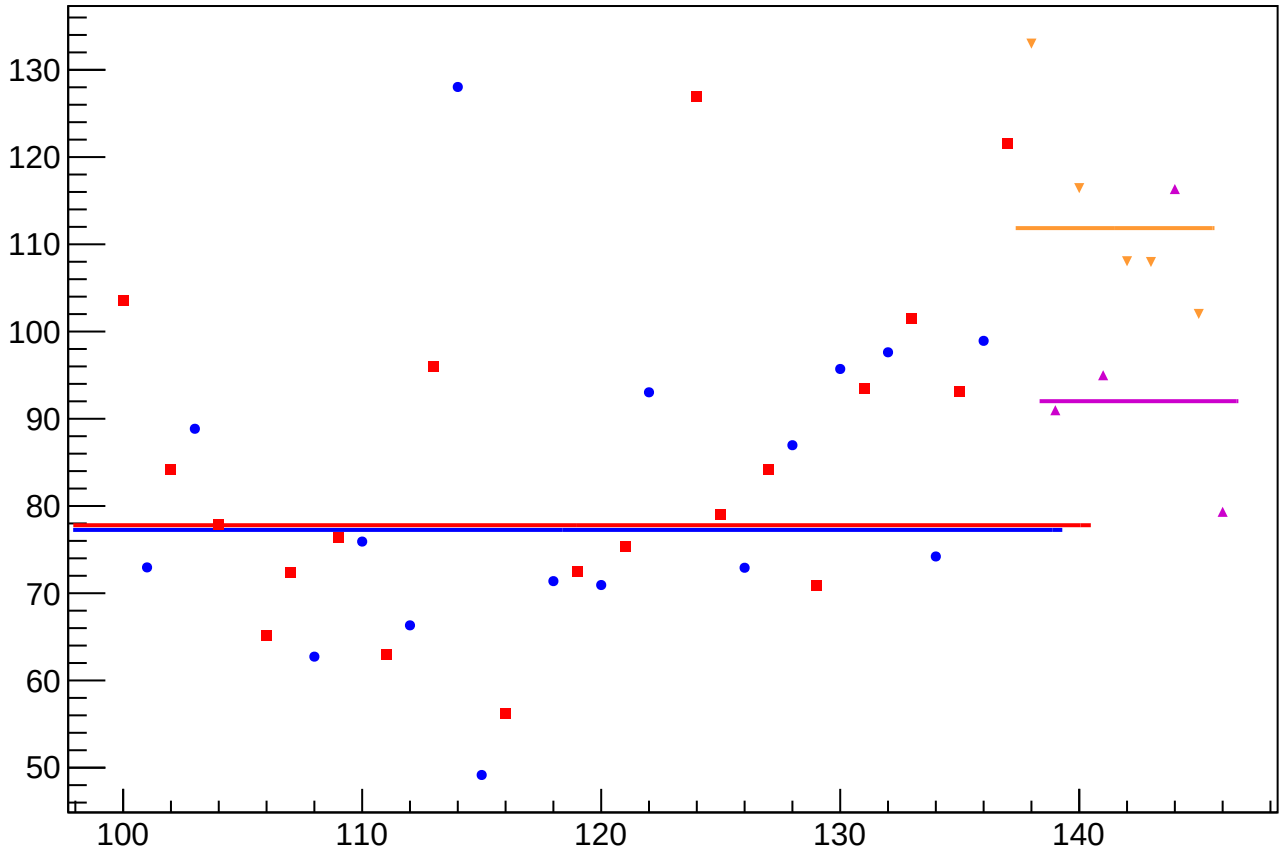
Left: 0.055+/-0.039 χ^2/NDF: 11.1/8

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.004+/-0.026 χ^2/NDF:24.4/19

Out: 0.028+/-0.027 χ^2/NDF:30.6/23

All: 0.016+/-0.019 χ^2/NDF: 55.4/43



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

Left Out: 111.856+/-0.042 χ^2/NDF:56703.6/4

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 92.016+/-0.036 χ^2/NDF:122377.8/3

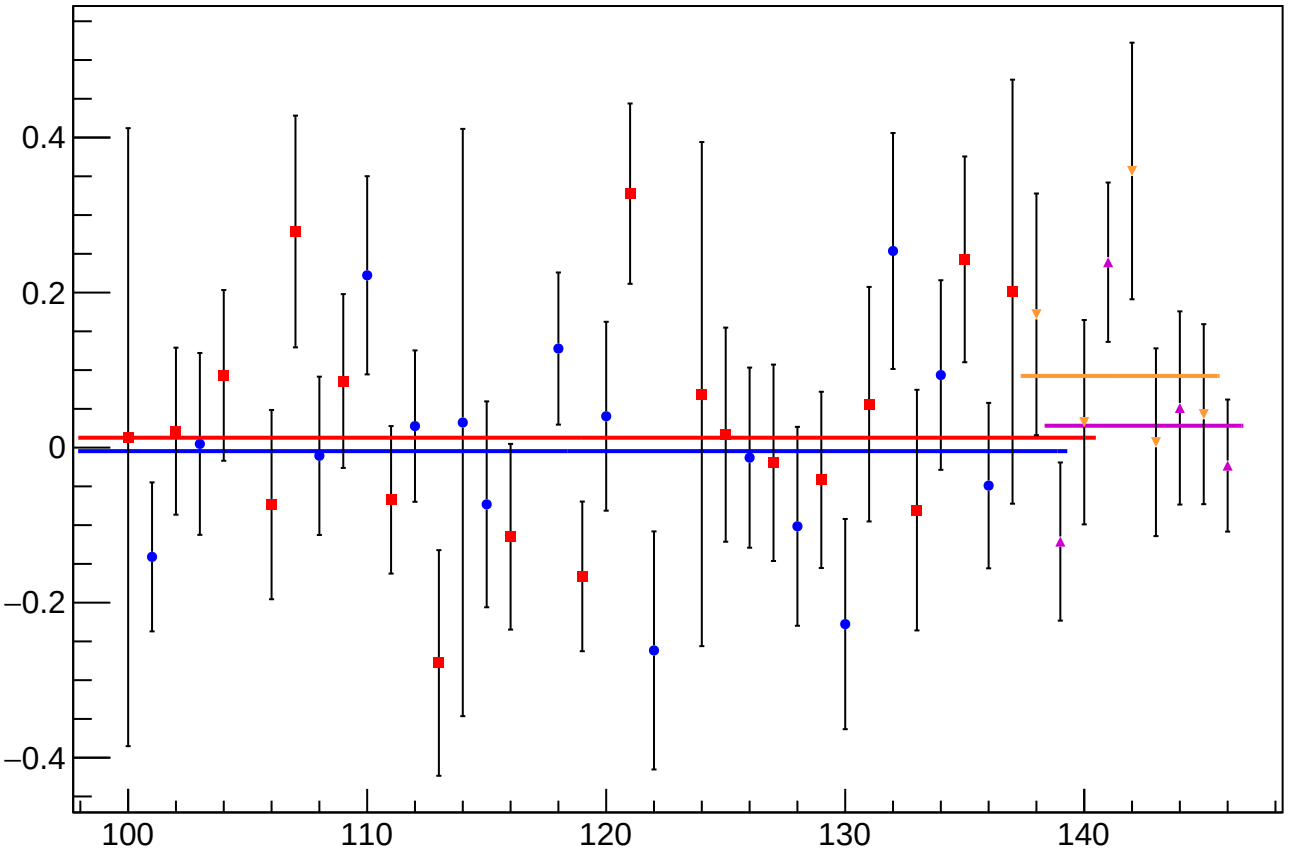
Left: 100.229+/-0.027 χ^2/NDF: 307145.5/8

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 81.124+/-0.018 χ^2/NDF:668000.7/19

Out: 84.504+/-0.019 χ^2/NDF:970365.4/23

All: 82.761+/-0.013 χ^2/NDF: 1654971.5/43



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

Left Out: 0.092+/-0.060 χ^2/NDF:3.7/4

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.028+/-0.050 χ^2/NDF:6.8/3

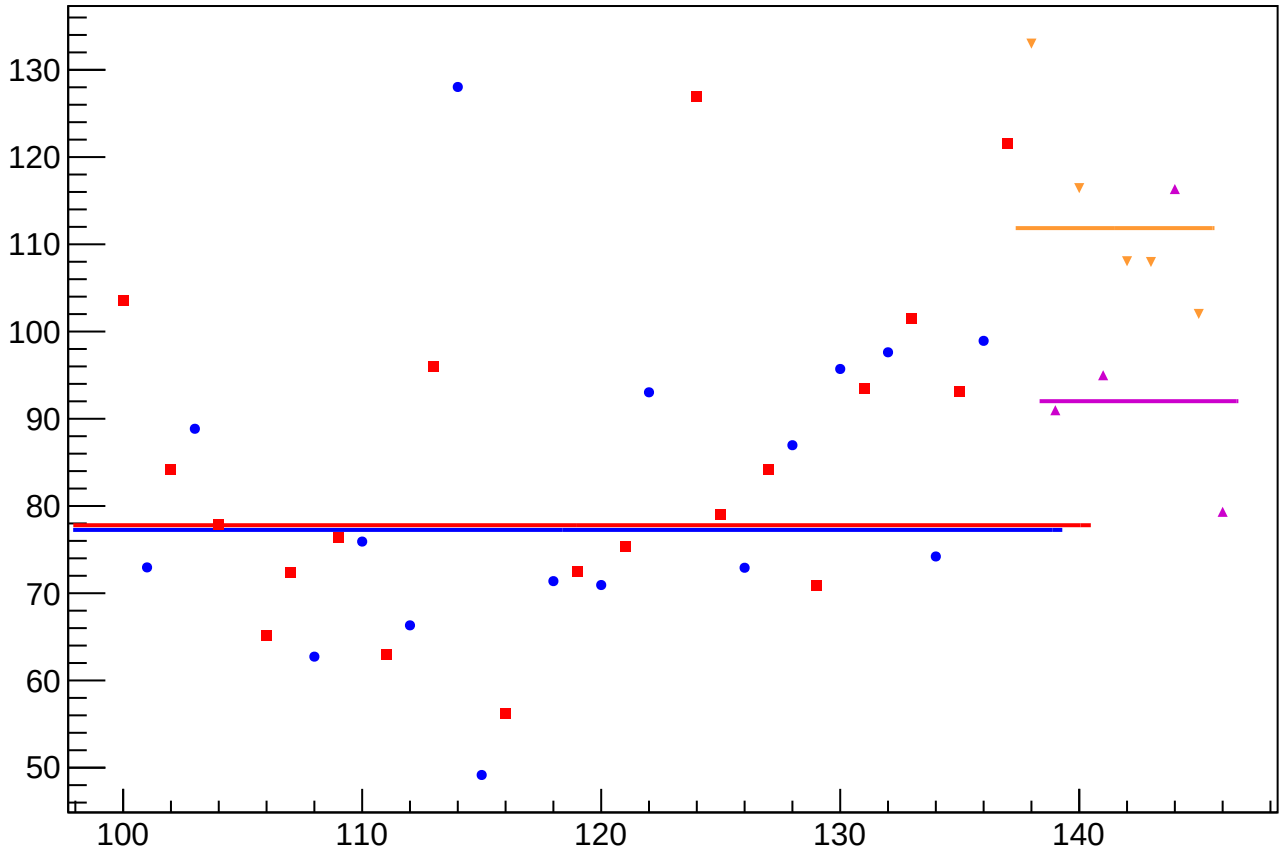
Left: 0.055+/-0.039 χ^2/NDF: 11.1/8

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.004+/-0.026 χ^2/NDF:24.4/19

Out: 0.028+/-0.027 χ^2/NDF:30.6/23

All: 0.016+/-0.019 χ^2/NDF: 55.4/43



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

Left Out: 111.856+/-0.042 χ^2/NDF:56703.6/4

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 92.016+/-0.036 χ^2/NDF:122377.8/3

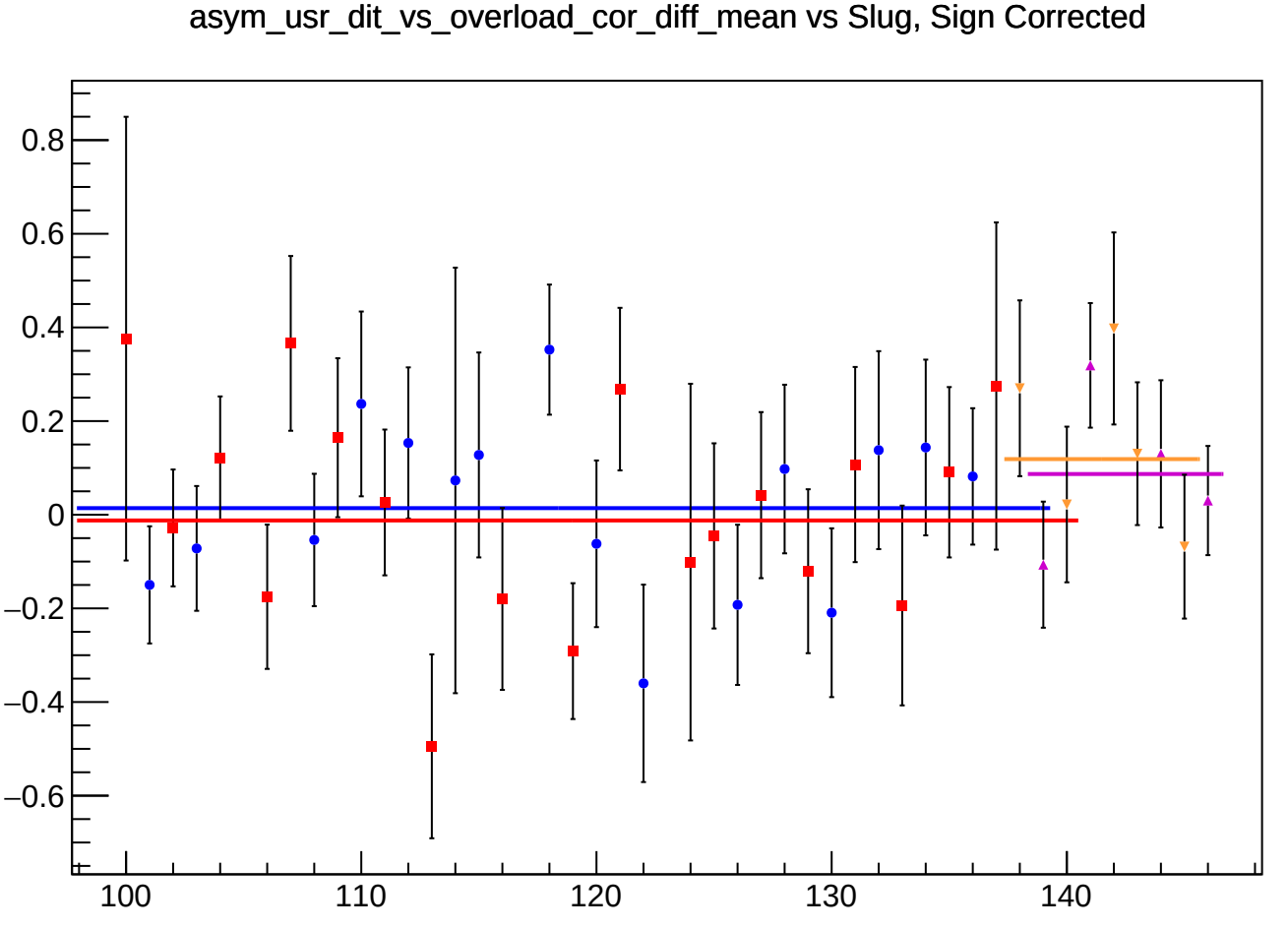
Left: 100.229+/-0.027 χ^2/NDF: 307145.5/8

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 81.124+/-0.018 χ^2/NDF:668000.7/19

Out: 84.504+/-0.019 χ^2/NDF:970365.4/23

All: 82.761+/-0.013 χ^2/NDF: 1654971.5/43



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

Left Out: 0.119+/-0.076 χ^2/NDF:4.3/4

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.087+/-0.067 χ^2/NDF:5.4/3

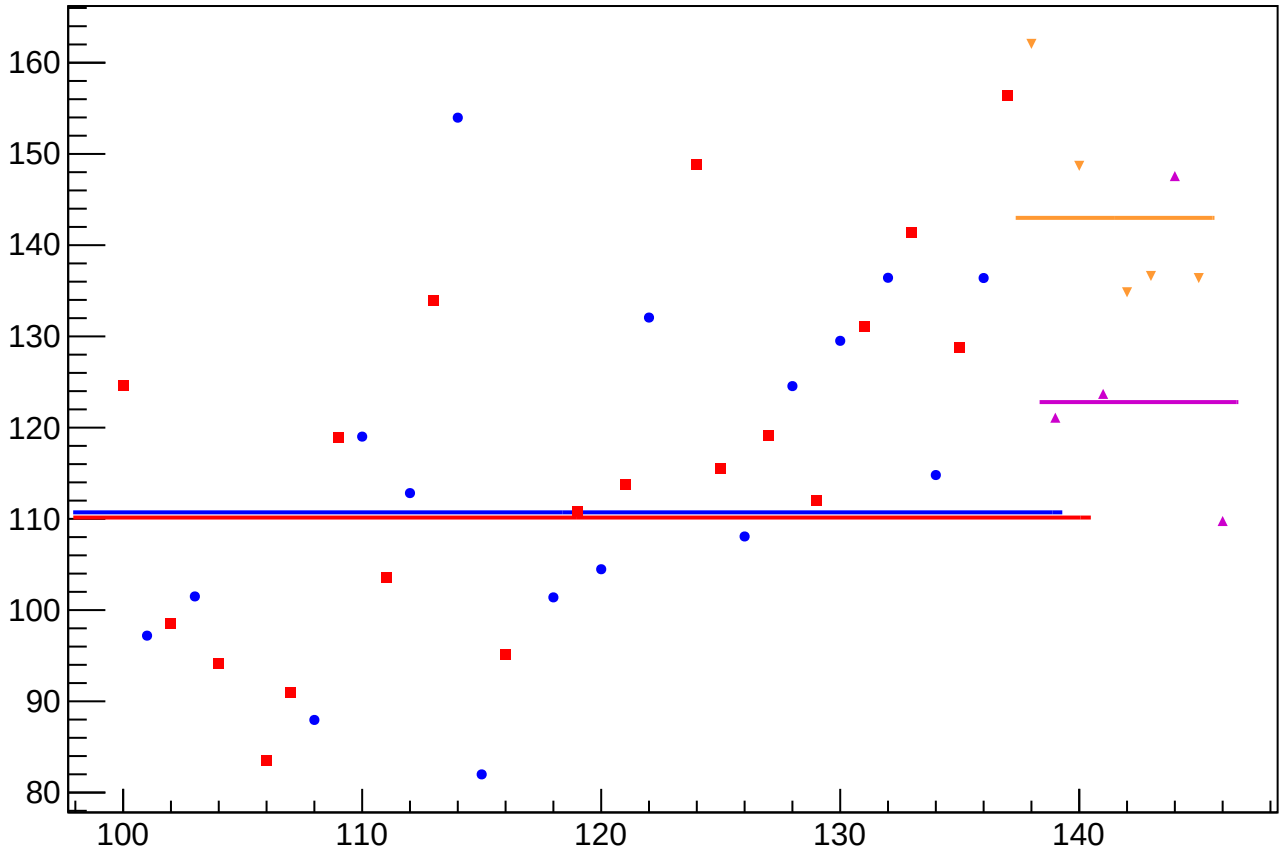
Left: 0.101+/-0.050 χ^2/NDF: 9.8/8

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.035+/-0.036 χ^2/NDF:24.5/19

Out: 0.018+/-0.036 χ^2/NDF:30.4/23

All: 0.027+/-0.025 χ^2/NDF: 54.9/43



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

Left Out: 142.994+/-0.054 χ^2/NDF:33340.9/4

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 122.800+/-0.047 χ^2/NDF:75063.5/3

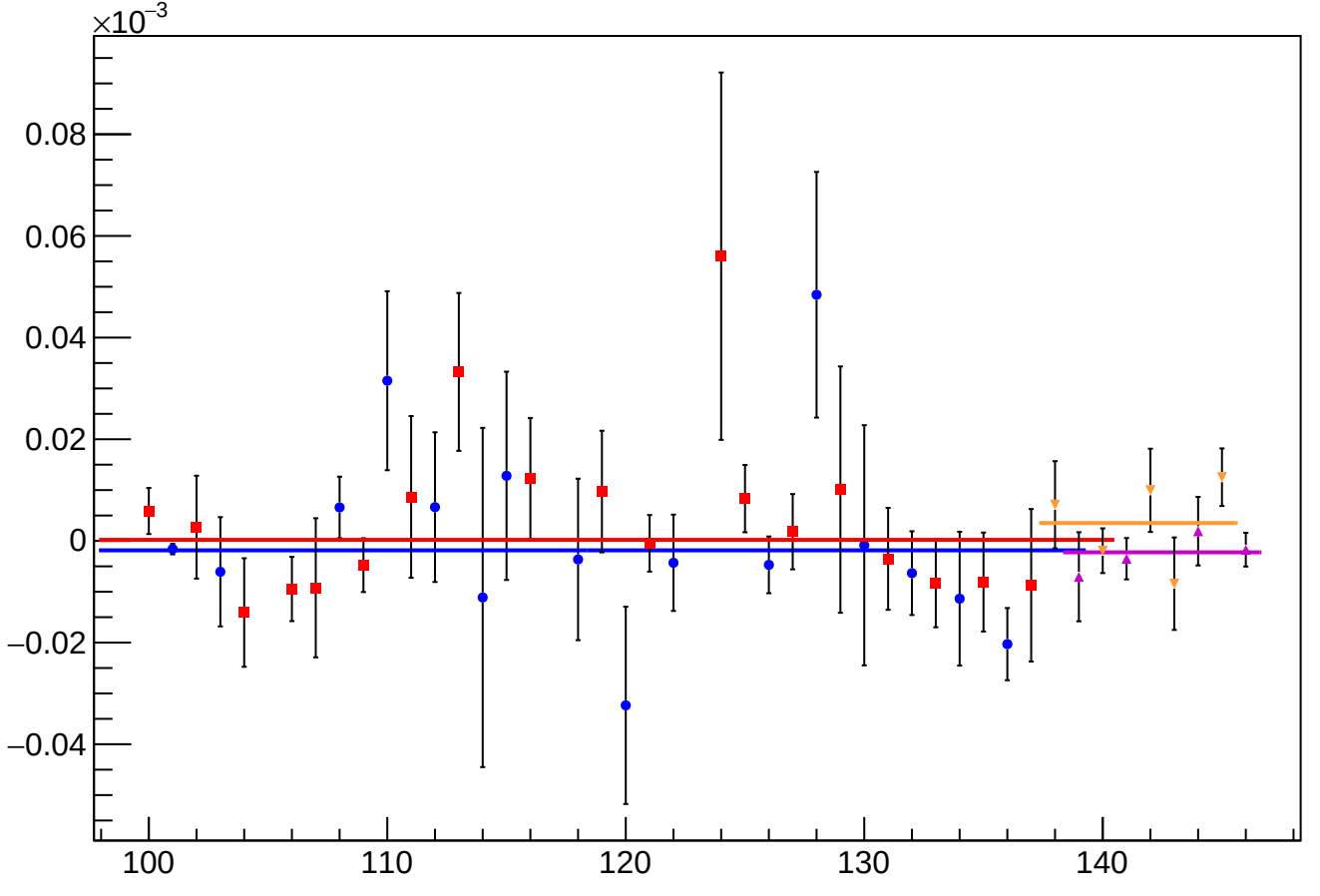
Left: 131.583+/-0.035 χ^2/NDF: 188462.5/8

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 114.188+/-0.025 χ^2/NDF:422022.7/19

Out: 117.657+/-0.026 χ^2/NDF:649240.0/23

All: 115.893+/-0.018 χ^2/NDF: 1080557.3/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/3

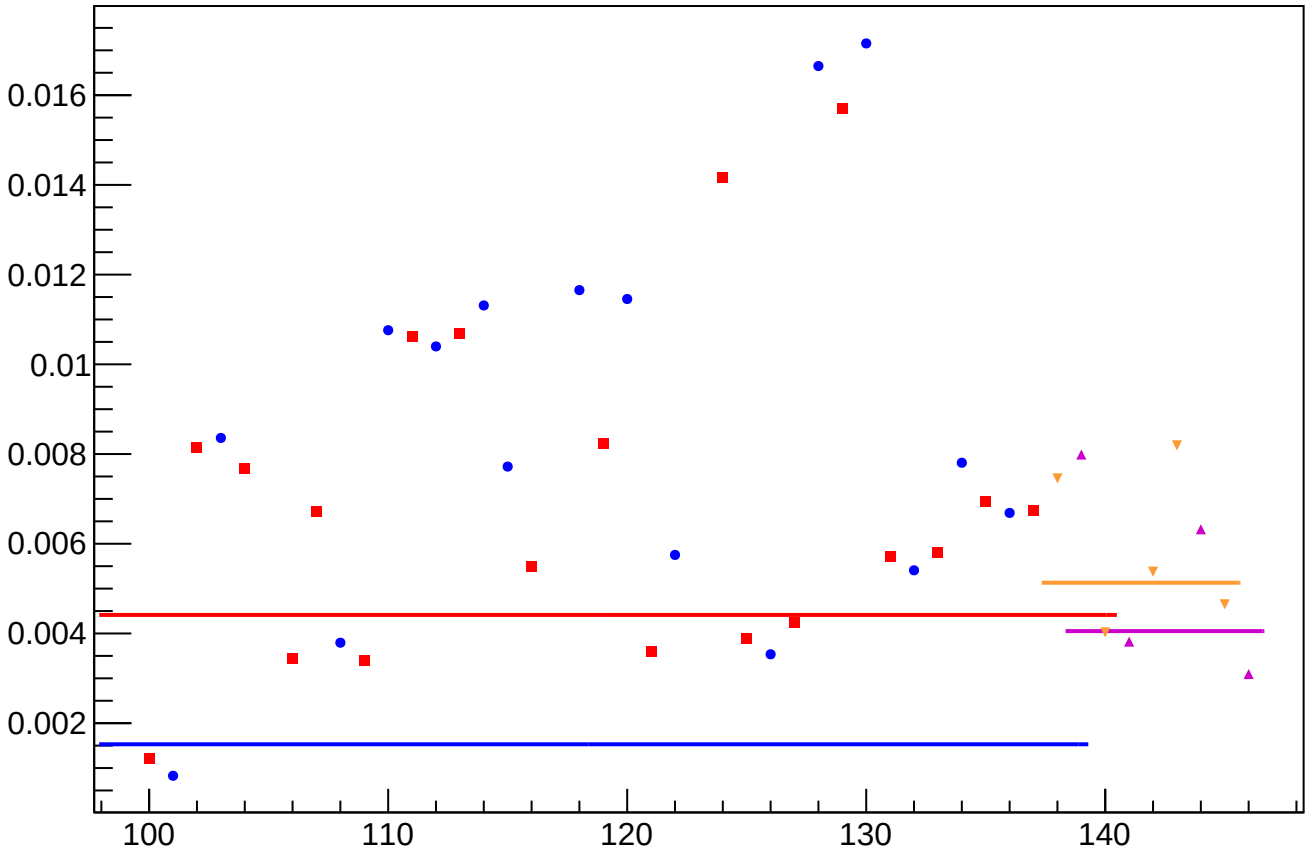
Left: 0.000+/-0.000 χ^2/NDF: 9.8/8

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:22.2/19

Out: 0.000+/-0.000 χ^2/NDF:27.4/23

All: -0.000+/-0.000 χ^2/NDF: 52.6/43



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

Left Out: 0.005+/-0.000 χ^2/NDF:517045.1/4

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.004+/-0.000 χ^2/NDF:803985.2/3

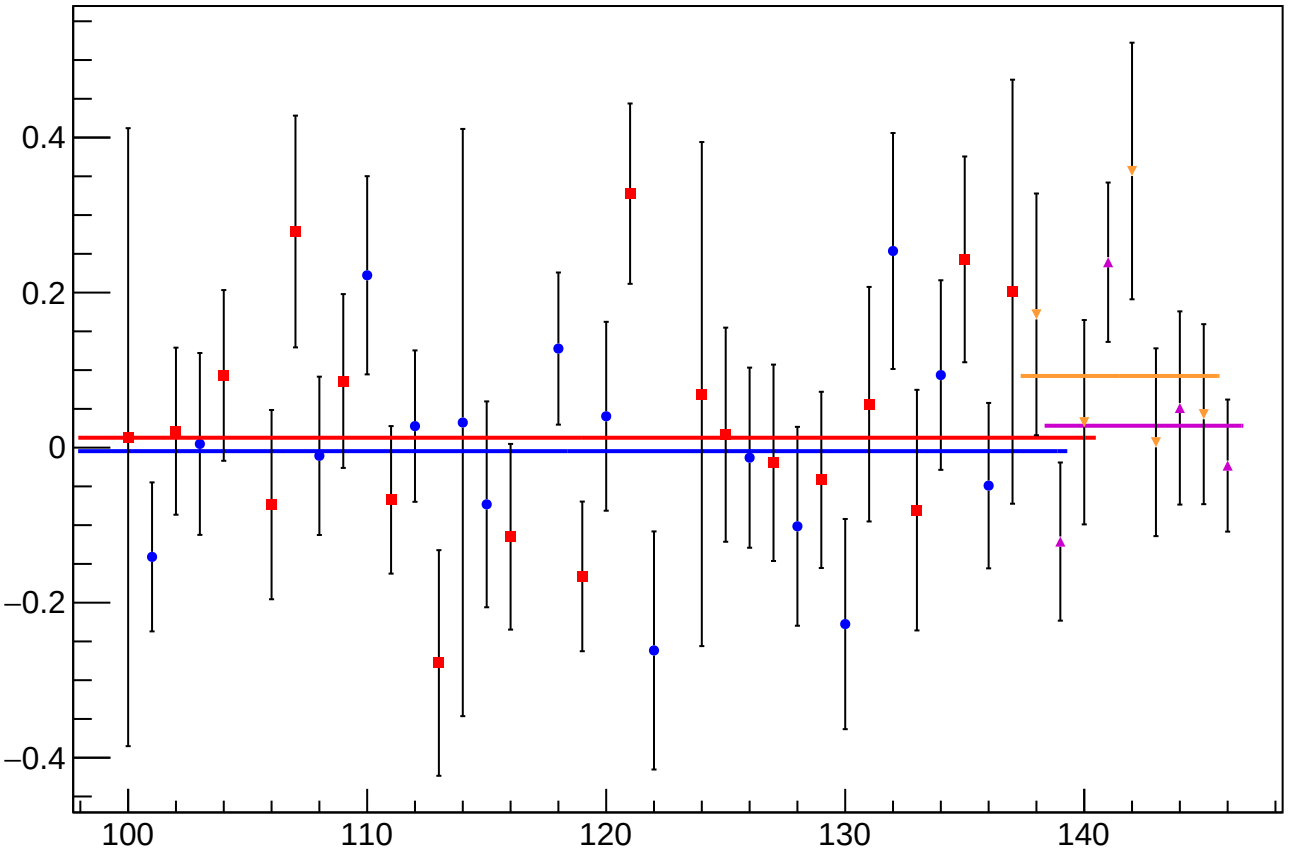
Left: 0.004+/-0.000 χ^2/NDF: 1493920.7/8

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.002+/-0.000 χ^2/NDF:12045382.9/19

Out: 0.005+/-0.000 χ^2/NDF:3992450.6/23

All: 0.003+/-0.000 χ^2/NDF: 20492354.2/43



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

Left Out: 0.092+/-0.060 χ^2/NDF:3.7/4

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.028+/-0.050 χ^2/NDF:6.8/3

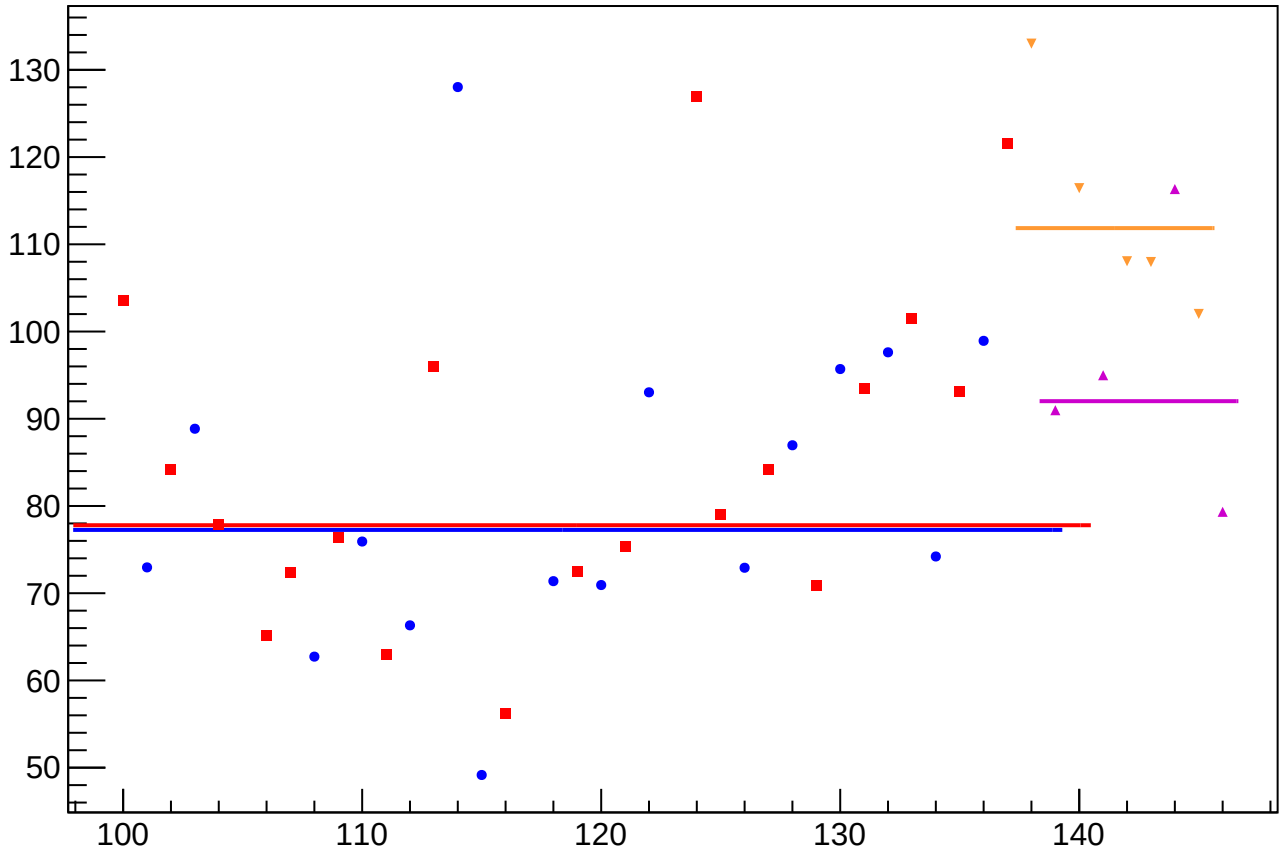
Left: 0.055+/-0.039 χ^2/NDF: 11.1/8

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.004+/-0.026 χ^2/NDF:24.4/19

Out: 0.028+/-0.027 χ^2/NDF:30.6/23

All: 0.016+/-0.019 χ^2/NDF: 55.4/43



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

Left Out: 111.857+/-0.042 χ^2/NDF:56703.3/4

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.017+/-0.036 χ^2/NDF:122378.2/3

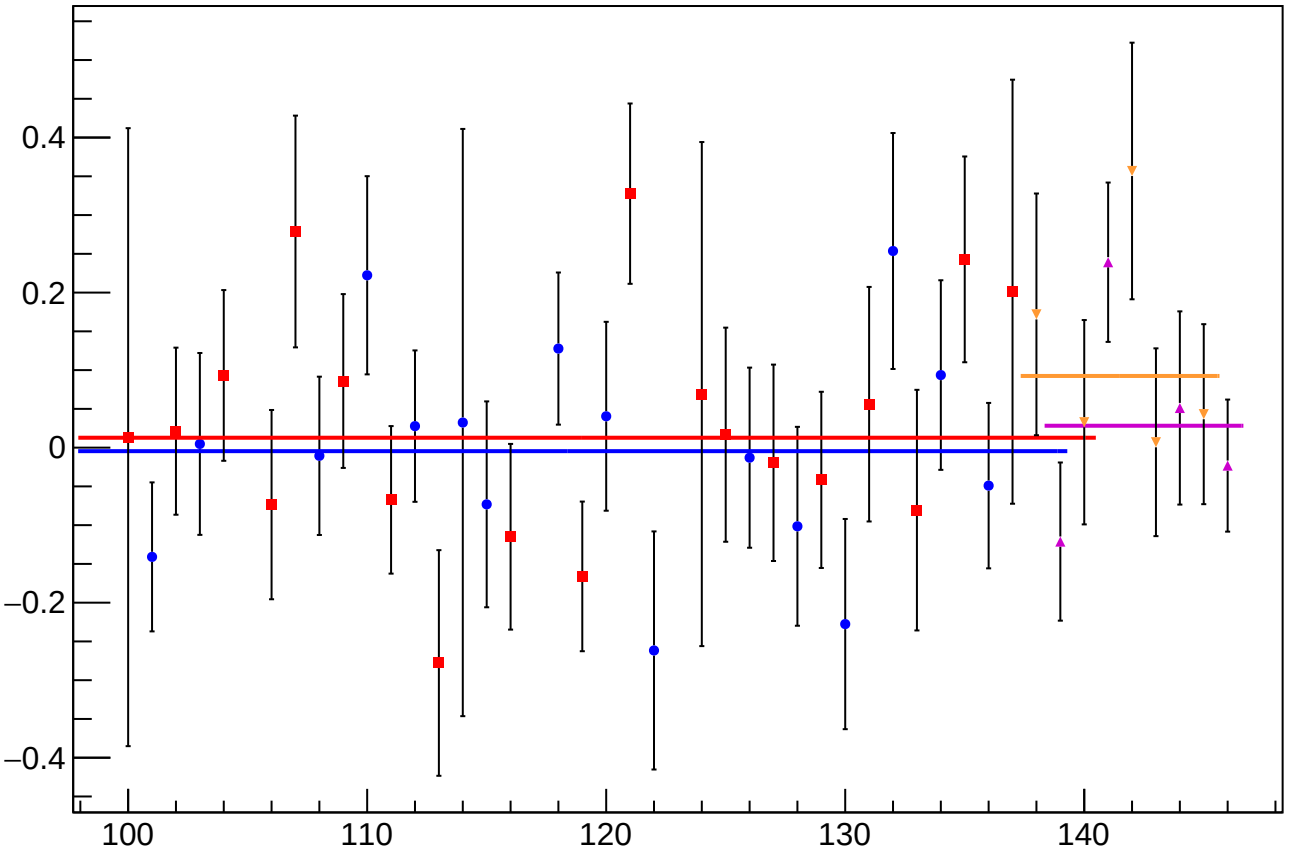
Left: 100.230+/-0.027 χ^2/NDF: 307145.4/8

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 81.123+/-0.018 χ^2/NDF:668020.9/19

Out: 84.503+/-0.019 χ^2/NDF:970423.9/23

All: 82.760+/-0.013 χ^2/NDF: 1655048.3/43



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

Left Out: 0.092+/-0.060 χ^2/NDF:3.7/4

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.028+/-0.050 χ^2/NDF:6.8/3

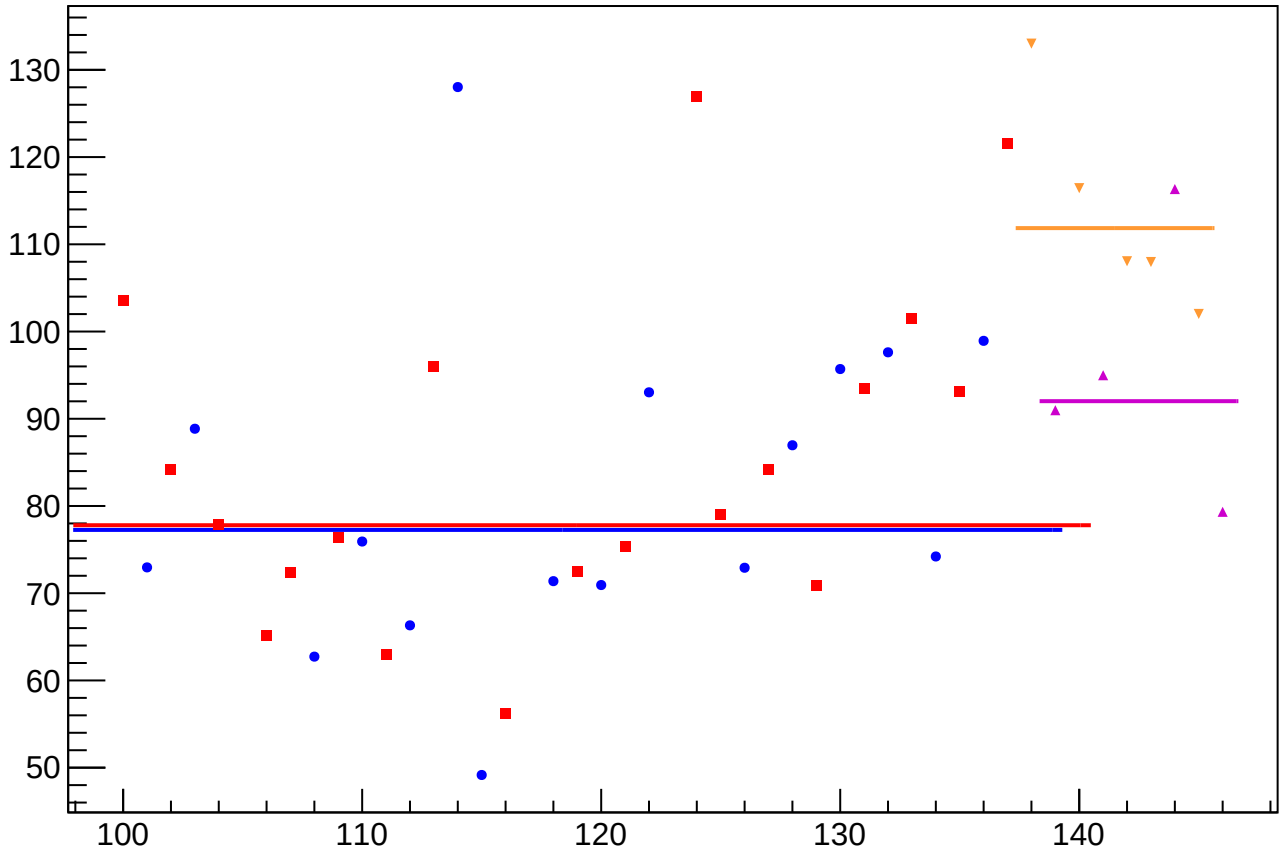
Left: 0.055+/-0.039 χ^2/NDF: 11.1/8

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.004+/-0.026 χ^2/NDF:24.4/19

Out: 0.028+/-0.027 χ^2/NDF:30.6/23

All: 0.016+/-0.019 χ^2/NDF: 55.4/43



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

Left Out: 111.857+/-0.042 χ^2/NDF:56703.3/4

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.017+/-0.036 χ^2/NDF:122378.2/3

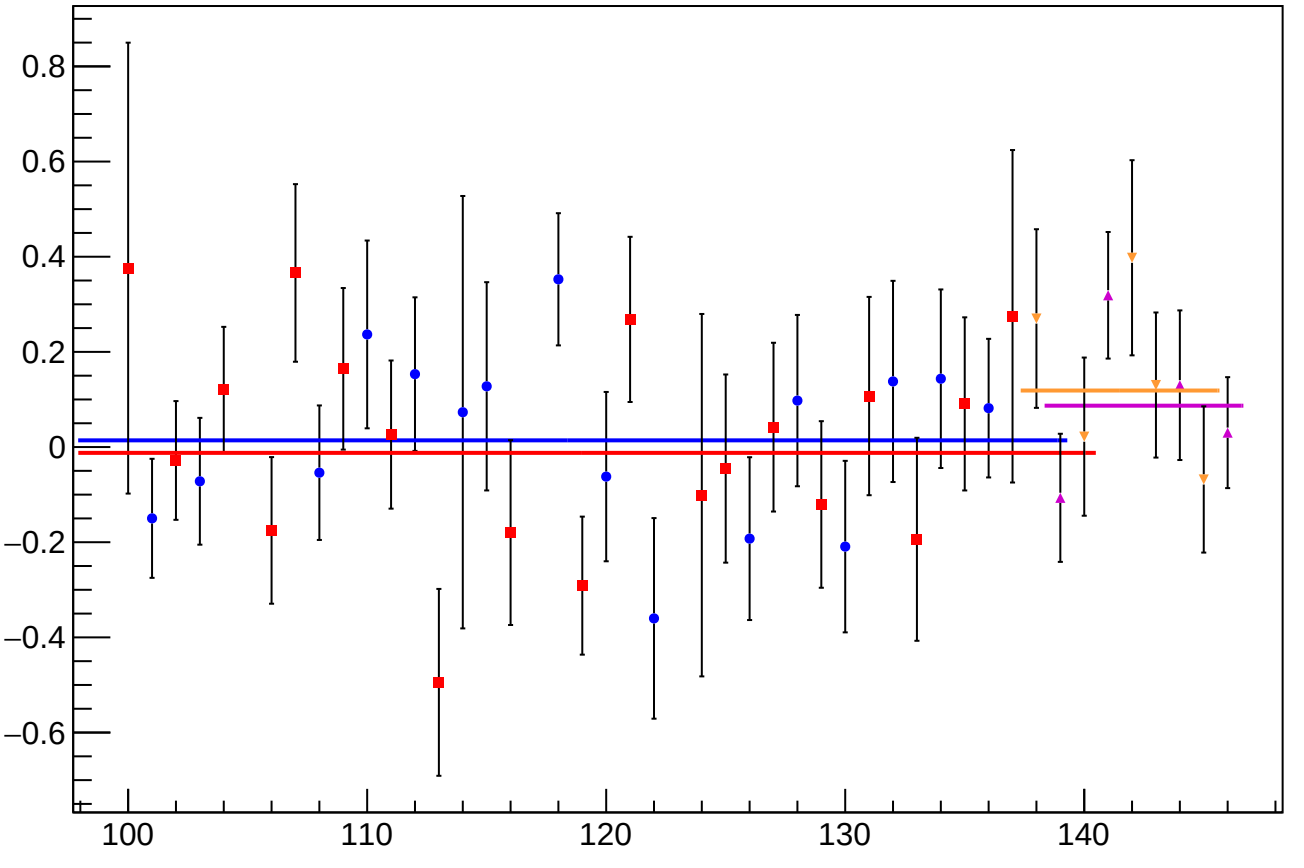
Left: 100.230+/-0.027 χ^2/NDF: 307145.4/8

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 81.123+/-0.018 χ^2/NDF:668020.9/19

Out: 84.503+/-0.019 χ^2/NDF:970423.9/23

All: 82.760+/-0.013 χ^2/NDF: 1655048.3/43



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

Left Out: 0.119+/-0.076 χ^2/NDF:4.3/4

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.087+/-0.067 χ^2/NDF:5.4/3

Left: 0.101+/-0.050 χ^2/NDF: 9.8/8

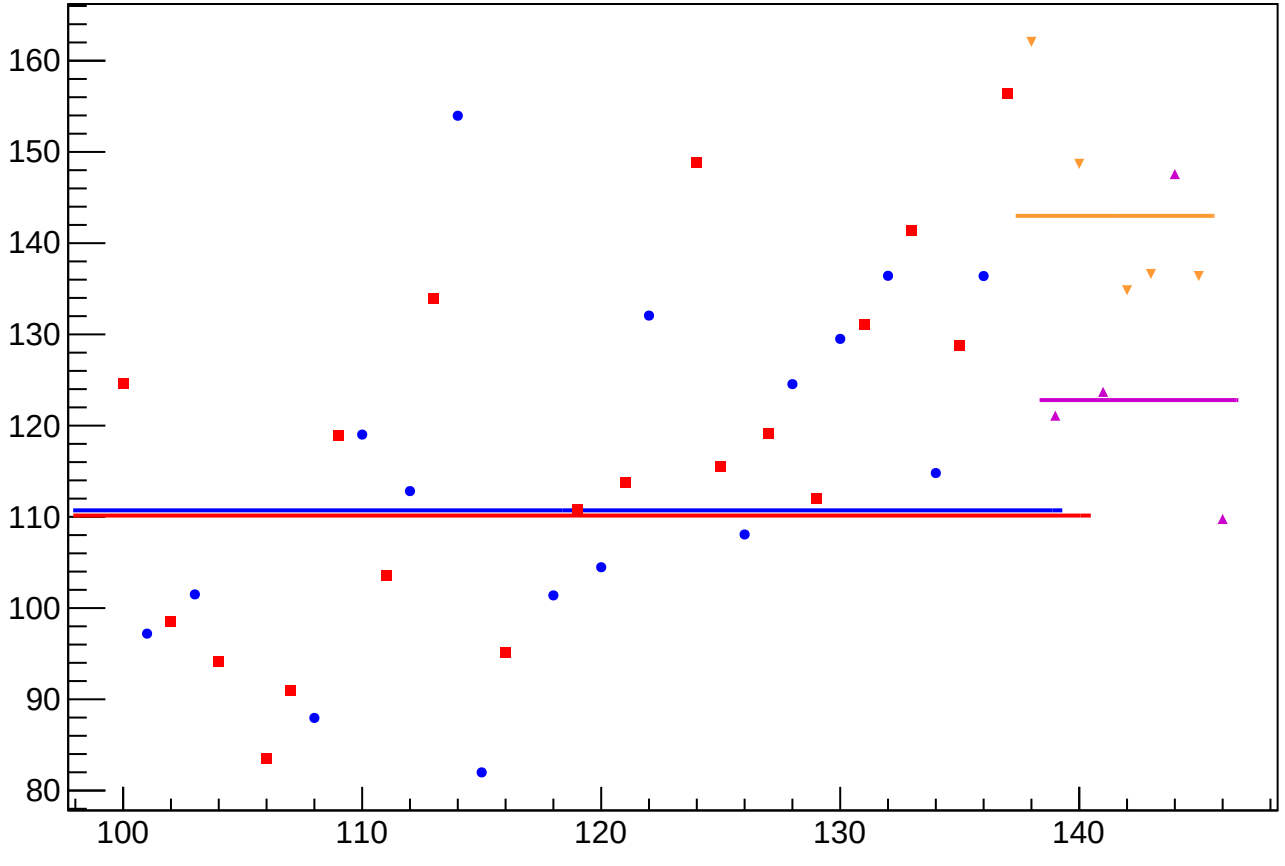
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.035+/-0.036 χ^2/NDF:24.5/19

Out: 0.018+/-0.036 χ^2/NDF:30.4/23

All: 0.027+/-0.025 χ^2/NDF: 54.9/43

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 142.994+/-0.054 χ^2/NDF:33339.5/4

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 122.801+/-0.047 χ^2/NDF:75063.7/3

Left: 131.583+/-0.035 χ^2/NDF: 188460.4/8

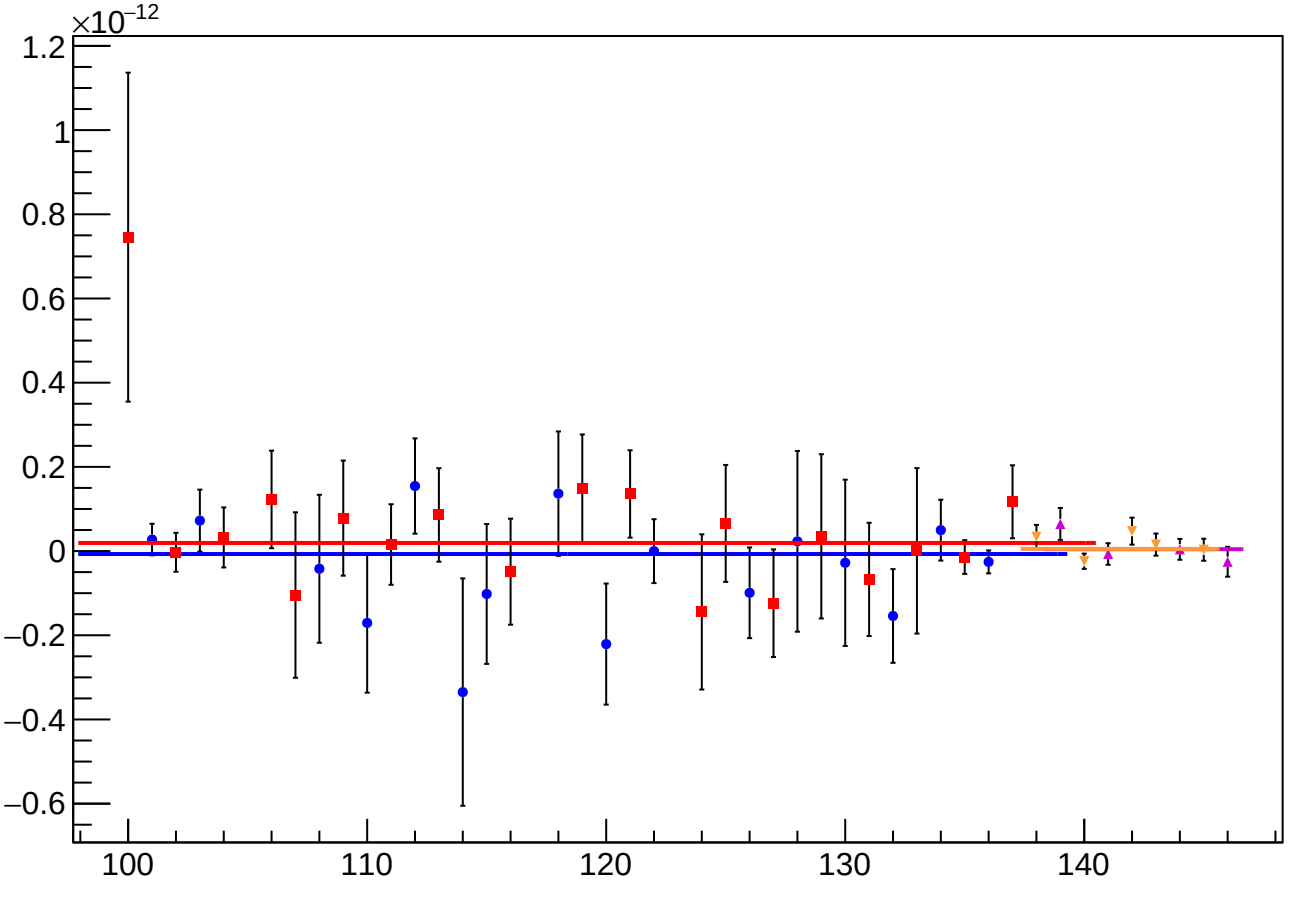
Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 114.187+/-0.025 χ^2/NDF:422008.1/19

Out: 117.656+/-0.026 χ^2/NDF:649227.8/23

All: 115.893+/-0.018 χ^2/NDF: 1080530.3/43

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/3

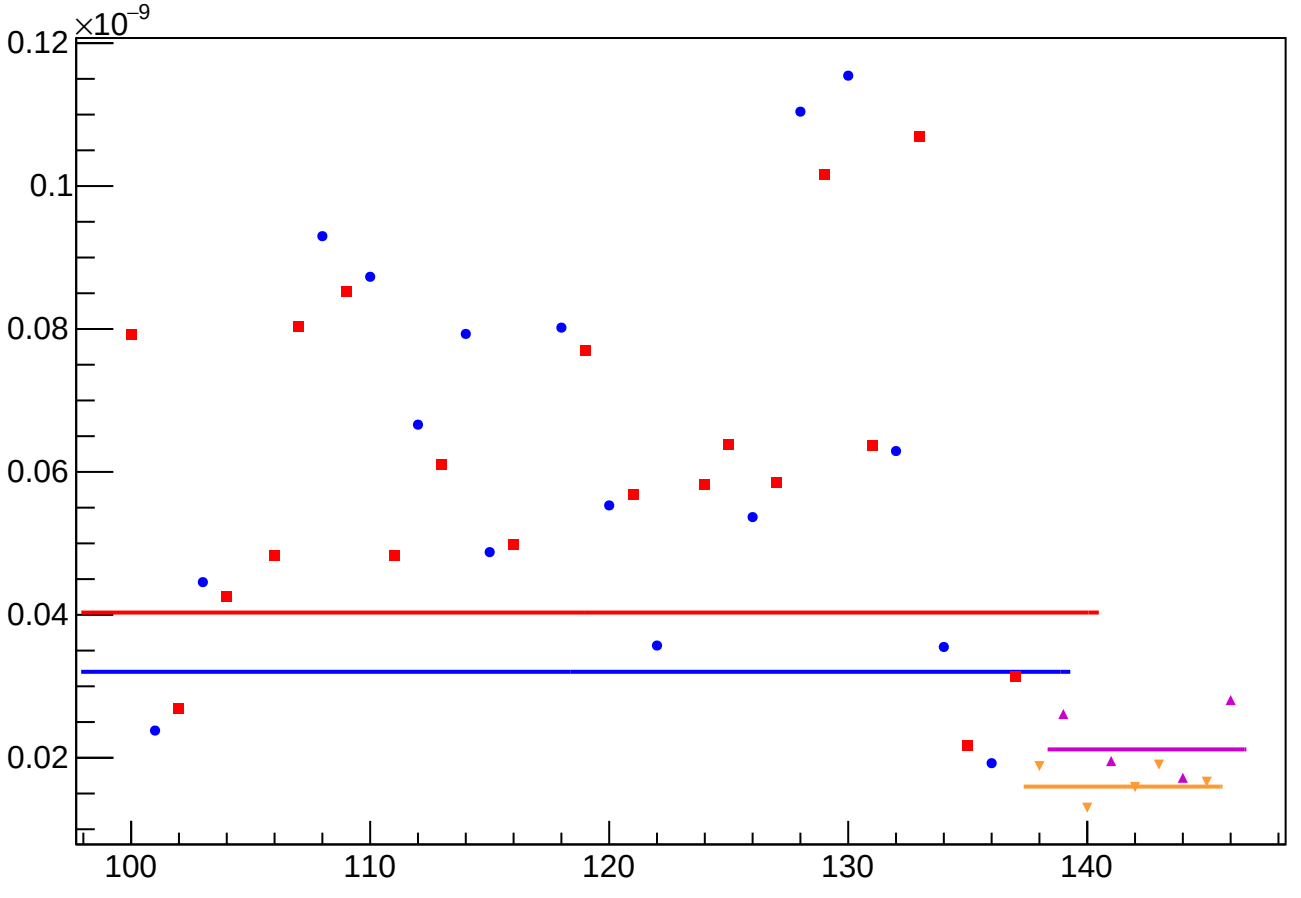
Left: 0.000+/-0.000 χ^2/NDF: 9.0/8

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:17.3/19

Out: 0.000+/-0.000 χ^2/NDF:18.5/23

All: 0.000+/-0.000 χ^2/NDF: 36.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:102503.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:169471.2/3

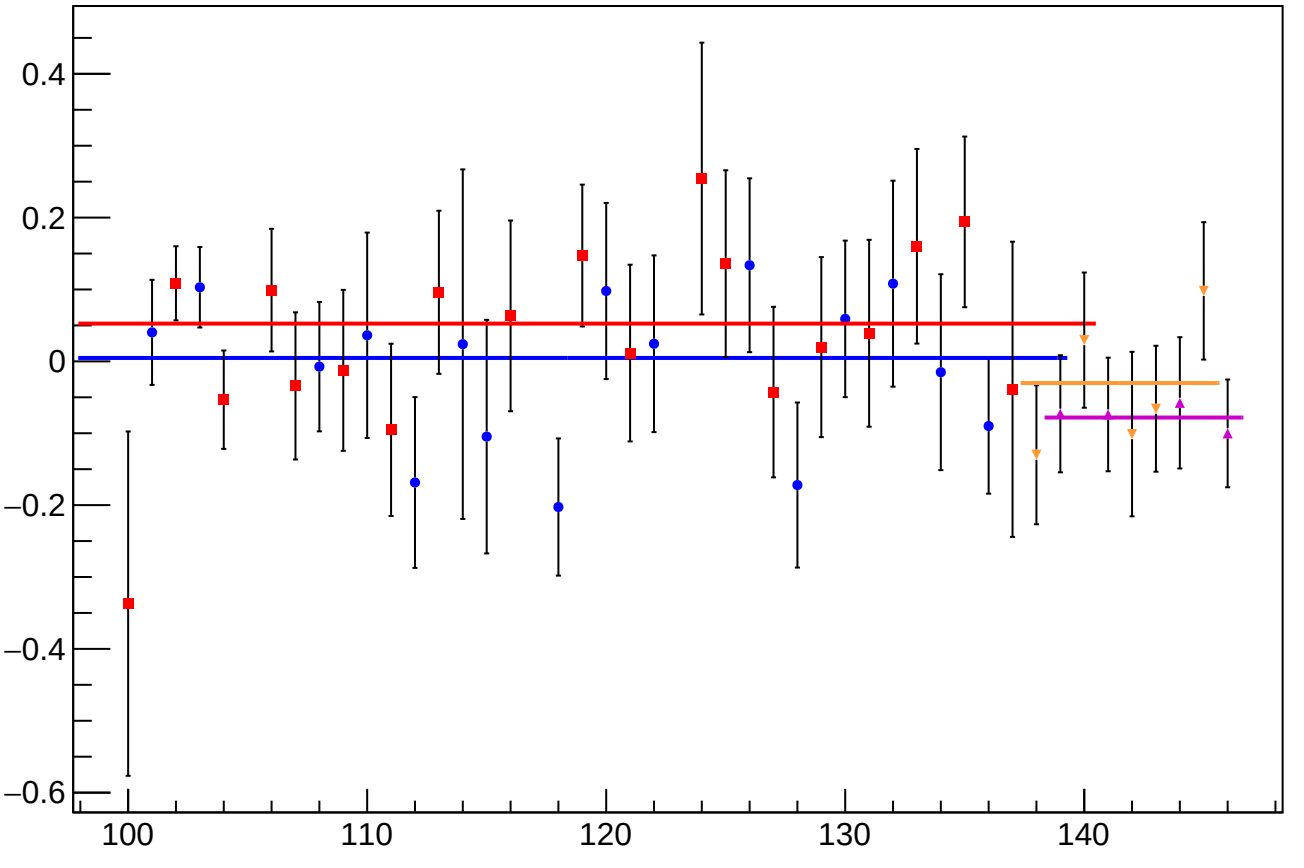
Left: 0.000+/-0.000 χ^2/NDF: 432397.5/8

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:3068435.5/19

Out: 0.000+/-0.000 χ^2/NDF:4056152.7/23

All: 0.000+/-0.000 χ^2/NDF: 7290803.2/43



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.030+/-0.043 χ^2/NDF:3.8/4

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.078+/-0.041 χ^2/NDF:0.1/3

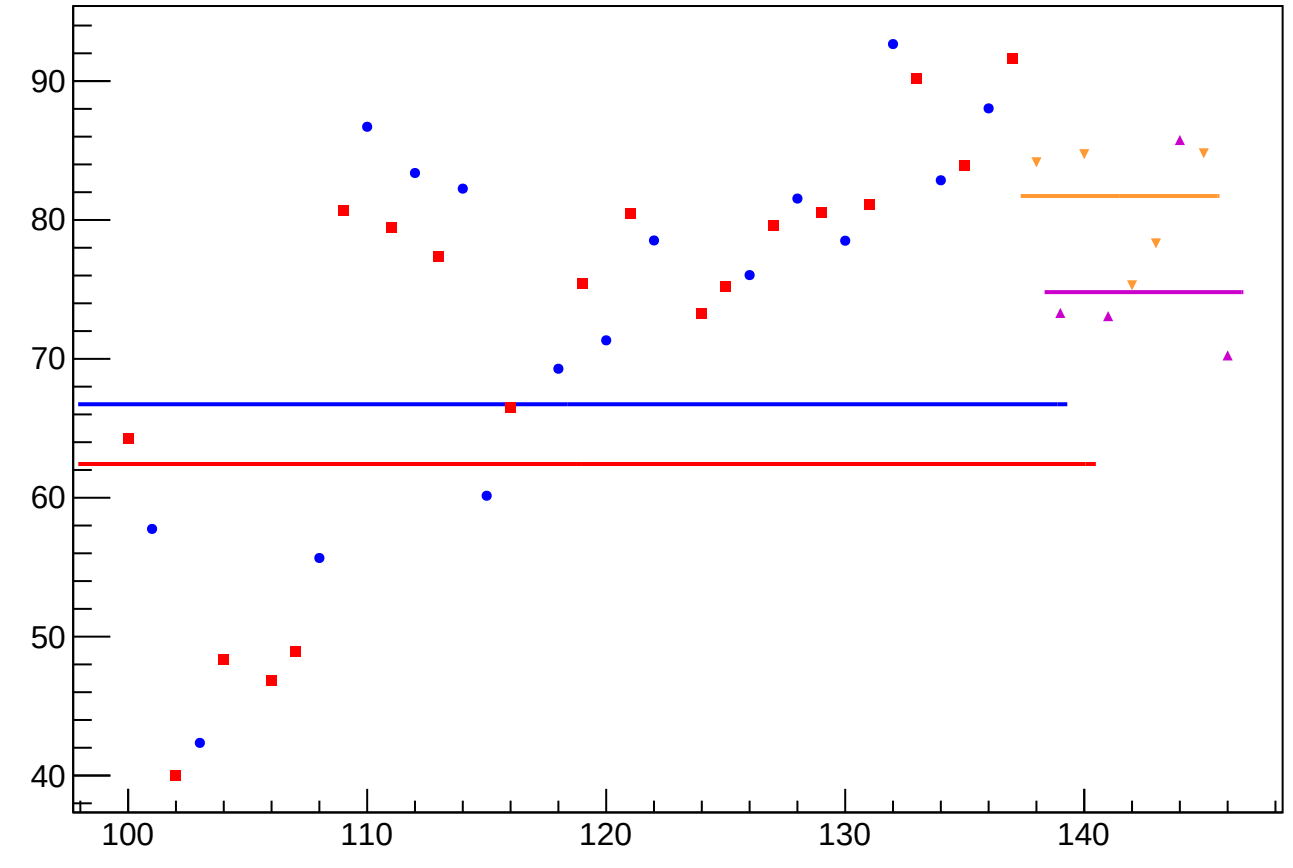
Left: -0.056+/-0.030 χ^2/NDF: 4.6/8

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.019+/-0.022 χ^2/NDF:19.7/19

Out: 0.033+/-0.021 χ^2/NDF:21.4/23

All: 0.008+/-0.015 χ^2/NDF: 44.1/43



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 81.726+/-0.031 χ^2/NDF:14730.4/4

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 74.805+/-0.029 χ^2/NDF:37782.5/3

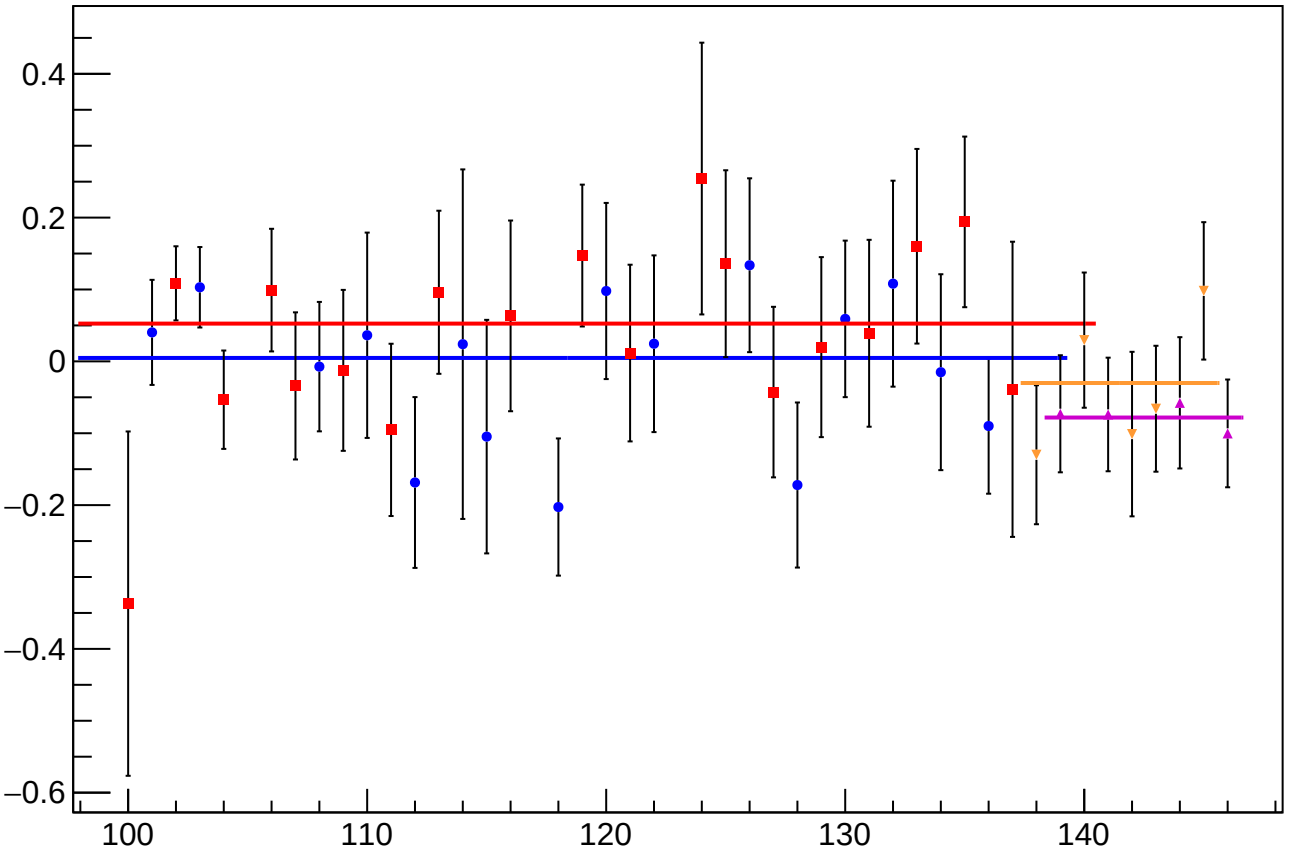
Left: 78.046+/-0.021 χ^2/NDF: 79822.9/8

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.073+/-0.015 χ^2/NDF:910872.0/19

Out: 67.008+/-0.015 χ^2/NDF:1433366.2/23

All: 68.002+/-0.011 χ^2/NDF: 2353518.6/43



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.030+/-0.043 χ^2/NDF:3.8/4

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.078+/-0.041 χ^2/NDF:0.1/3

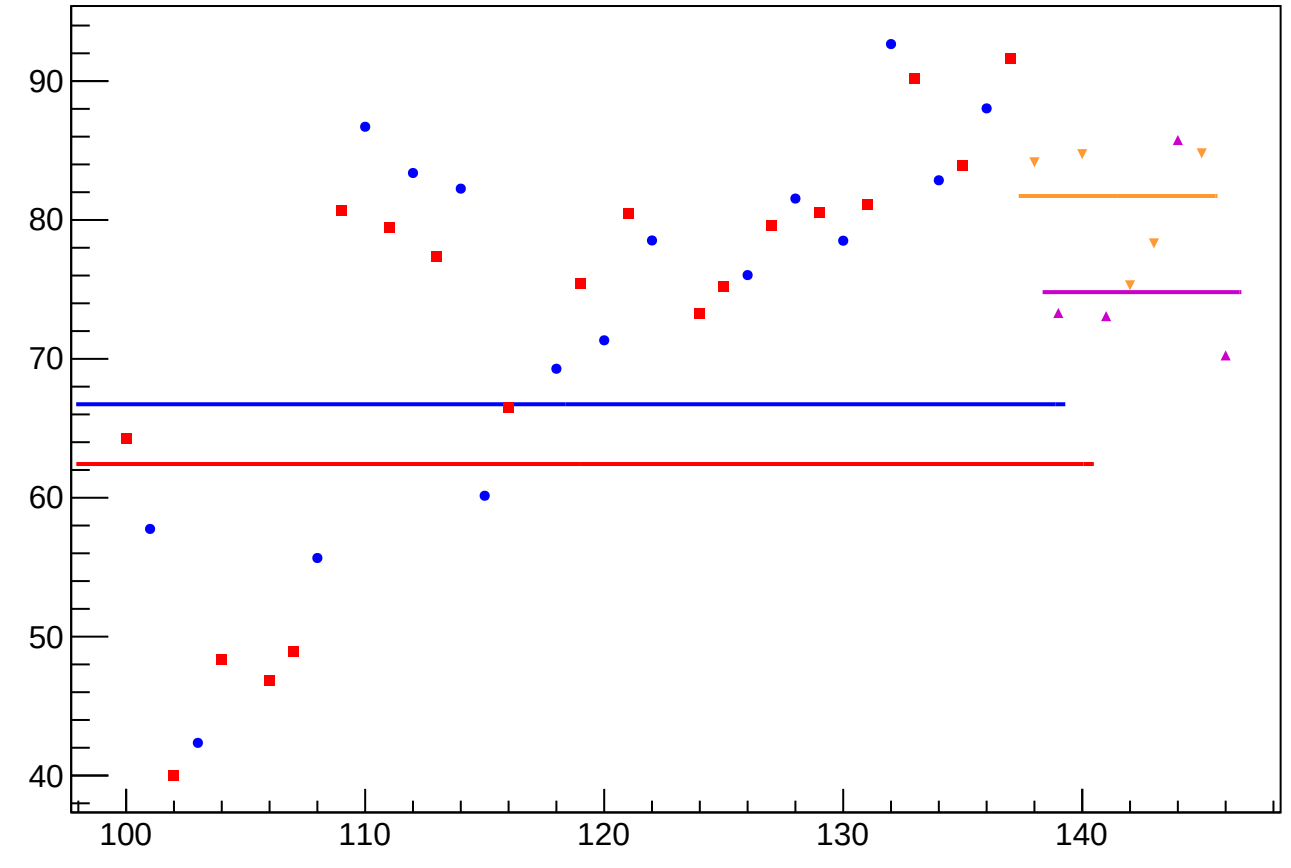
Left: -0.056+/-0.030 χ^2/NDF: 4.6/8

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.019+/-0.022 χ^2/NDF:19.7/19

Out: 0.033+/-0.021 χ^2/NDF:21.4/23

All: 0.008+/-0.015 χ^2/NDF: 44.1/43



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 81.726+/-0.031 χ^2/NDF:14730.4/4

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 74.805+/-0.029 χ^2/NDF:37782.5/3

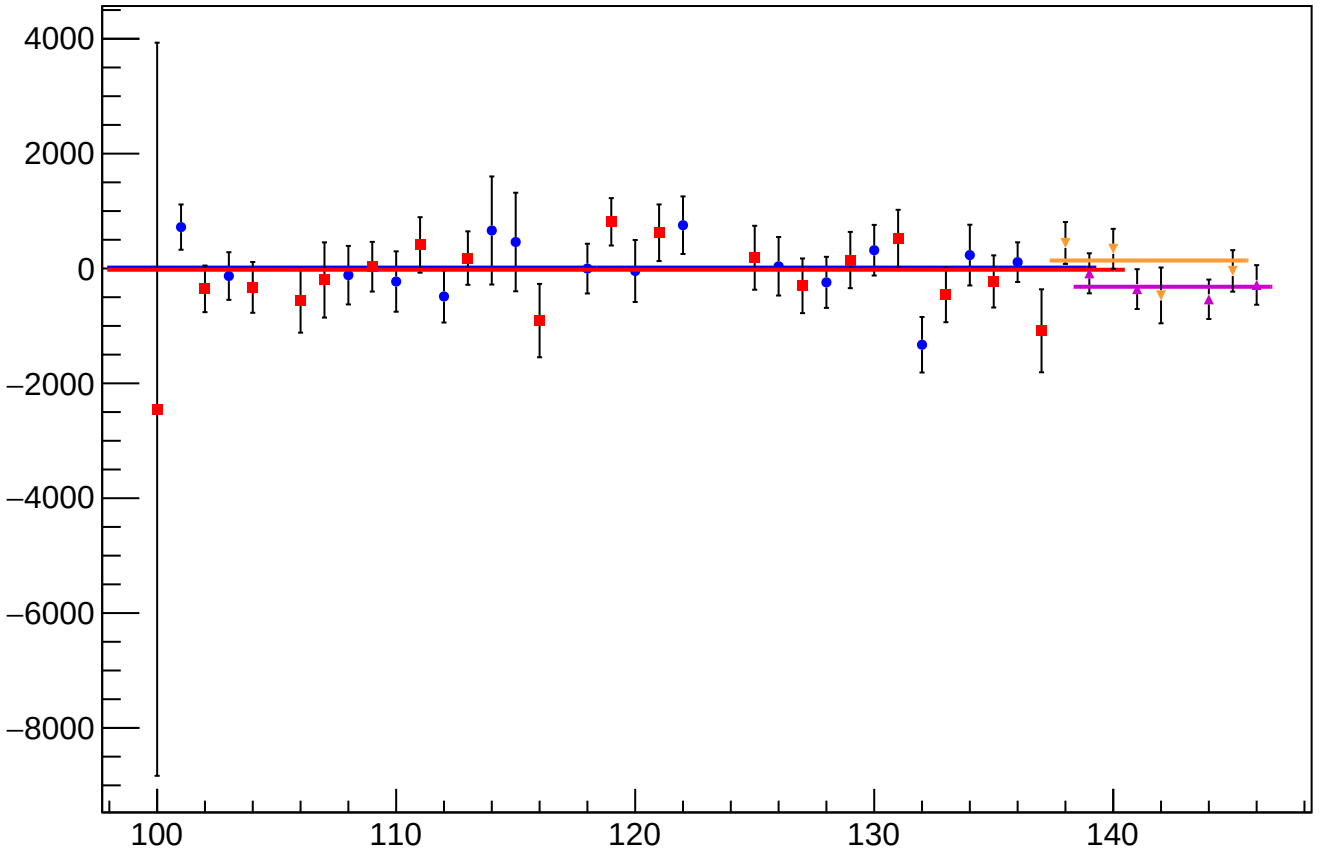
Left: 78.046+/-0.021 χ^2/NDF: 79822.9/8

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.073+/-0.015 χ^2/NDF:910872.0/19

Out: 67.008+/-0.015 χ^2/NDF:1433366.2/23

All: 68.002+/-0.011 χ^2/NDF: 2353518.6/43



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: 139.298+/-190.105 χ^2/NDF:2.9/3

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -318.022+/-172.914 χ^2/NDF:0.9/3

Left: -110.971+/-127.915 χ^2/NDF: 6.9/7

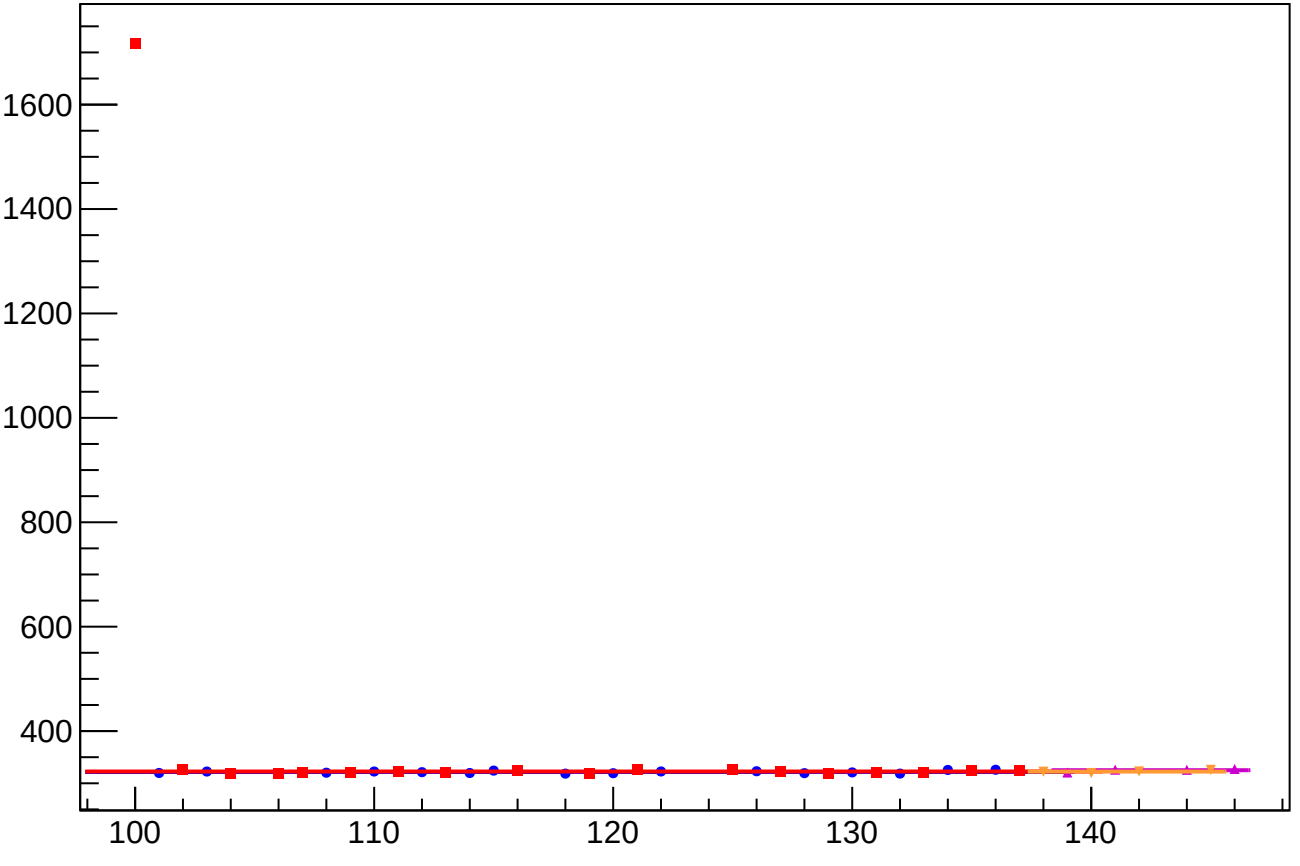
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -92.209+/-98.269 χ^2/NDF:19.9/19

Out: 23.421+/-100.997 χ^2/NDF:19.4/21

All: -35.976+/-70.431 χ^2/NDF: 40.0/41

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 322.474+/-0.134 χ^2/NDF:285.8/3

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 325.062+/-0.122 χ^2/NDF:439.4/3

Left: 323.890+/-0.090 χ^2/NDF: 928.0/7

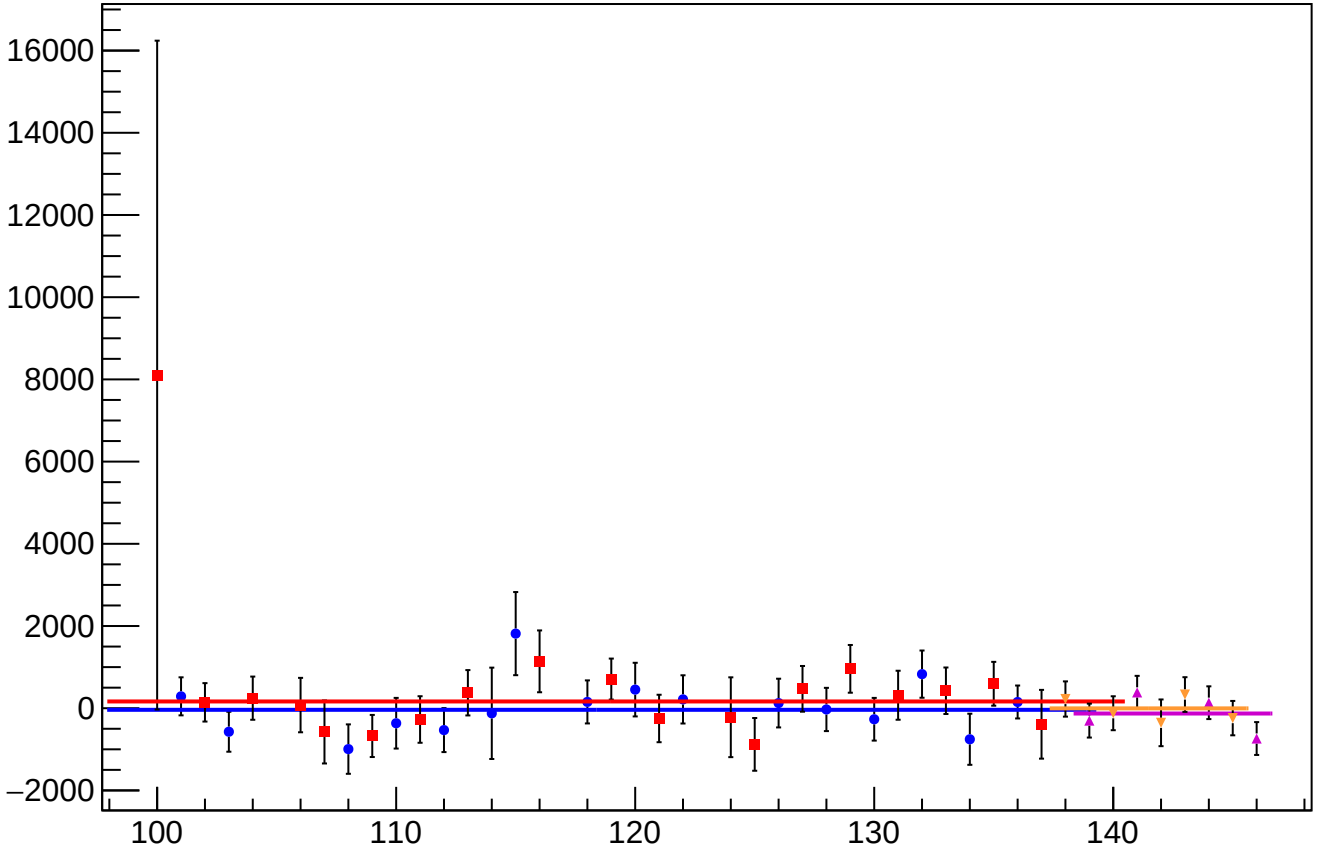
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 322.721+/-0.069 χ^2/NDF:1803.9/19

Out: 322.531+/-0.071 χ^2/NDF:97177.9/21

All: 322.628+/-0.050 χ^2/NDF: 98985.4/41

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -4.021+/-197.096 χ^2/NDF:1.7/4

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -128.780+/-201.565 χ^2/NDF:4.6/3

Left: -65.002+/-140.921 χ^2/NDF: 6.5/8

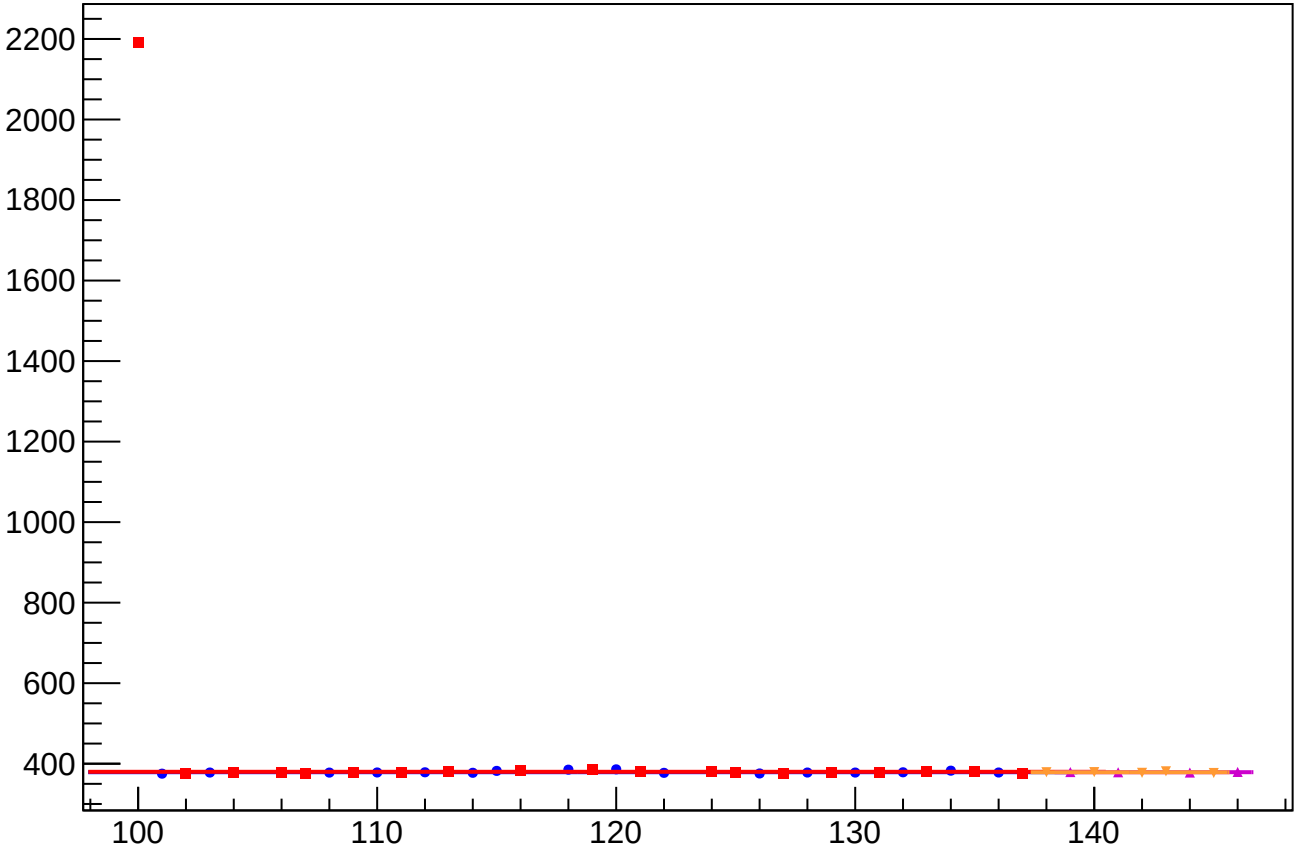
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -68.362+/-115.383 χ^2/NDF:18.4/19

Out: 108.637+/-113.572 χ^2/NDF:17.3/23

All: 21.538+/-80.940 χ^2/NDF: 36.9/43

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.784+/-0.139 χ^2/NDF:111.5/4

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.916+/-0.143 χ^2/NDF:15.7/3

Left: 378.849+/-0.100 χ^2/NDF: 127.6/8

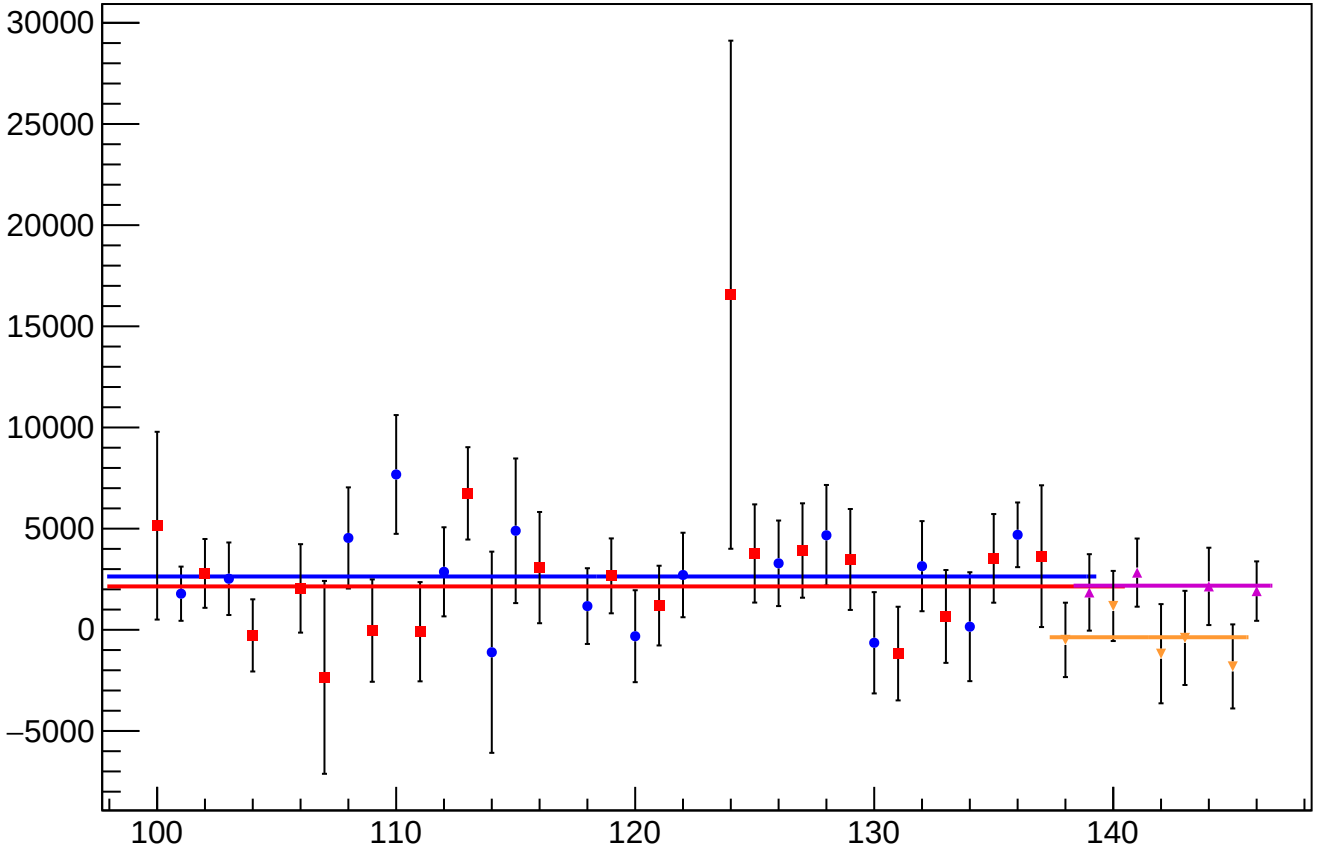
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.912+/-0.082 χ^2/NDF:866.9/19

Out: 379.515+/-0.080 χ^2/NDF:99774.1/23

All: 379.218+/-0.057 χ^2/NDF: 100668.8/43

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: -367.196+/-908.586 χ^2/NDF:1.4/4

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 2181.628+/-854.462 χ^2/NDF:0.2/3

Left: 985.389+/-622.451 χ^2/NDF: 5.8/8

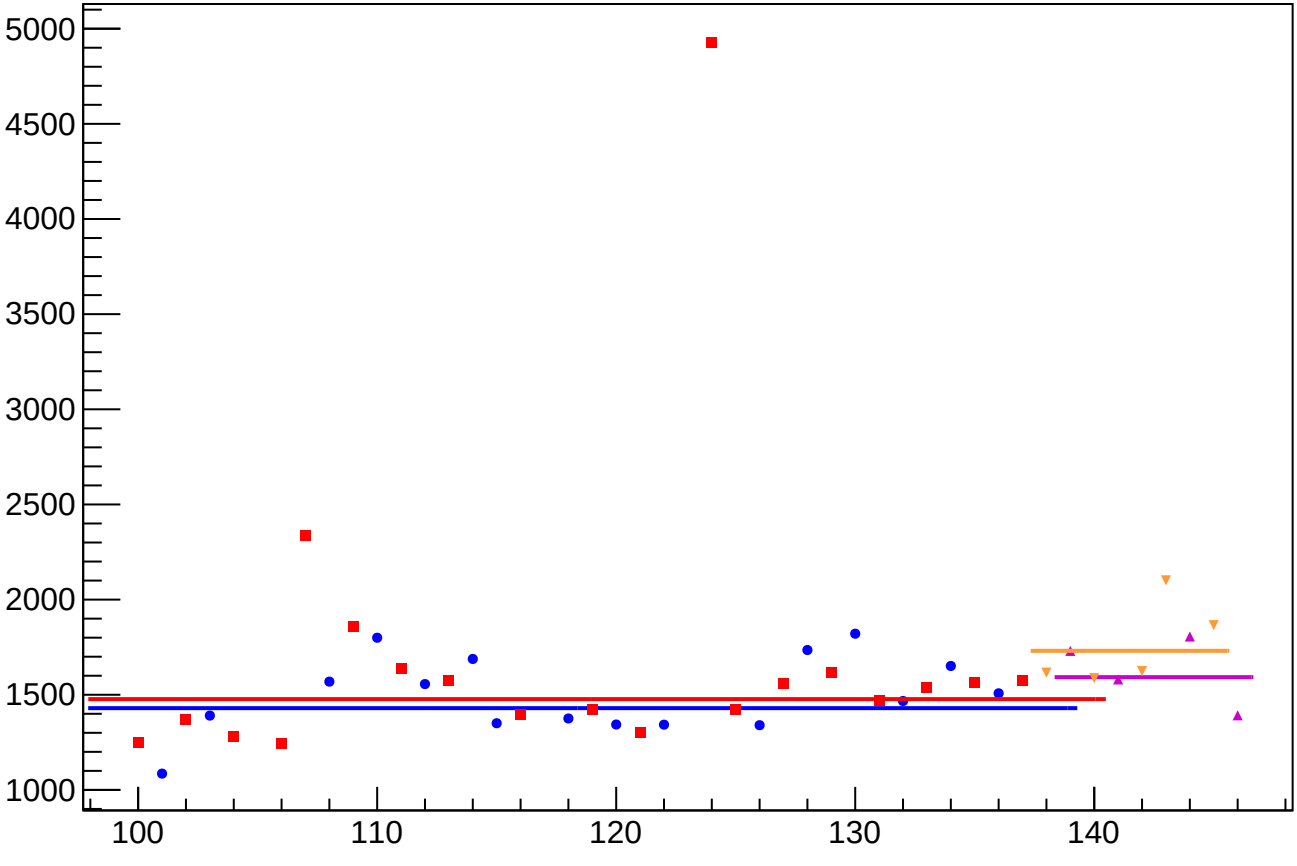
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2506.563+/-455.293 χ^2/NDF:12.7/19

Out: 1476.441+/-468.604 χ^2/NDF:22.0/23

All: 2006.341+/-326.545 χ^2/NDF: 37.2/43

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1730.927+/-0.642 χ^2/NDF:84392.7/4

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1592.529+/-0.604 χ^2/NDF:72993.9/3

Left: 1657.483+/-0.440 χ^2/NDF: 182011.9/8

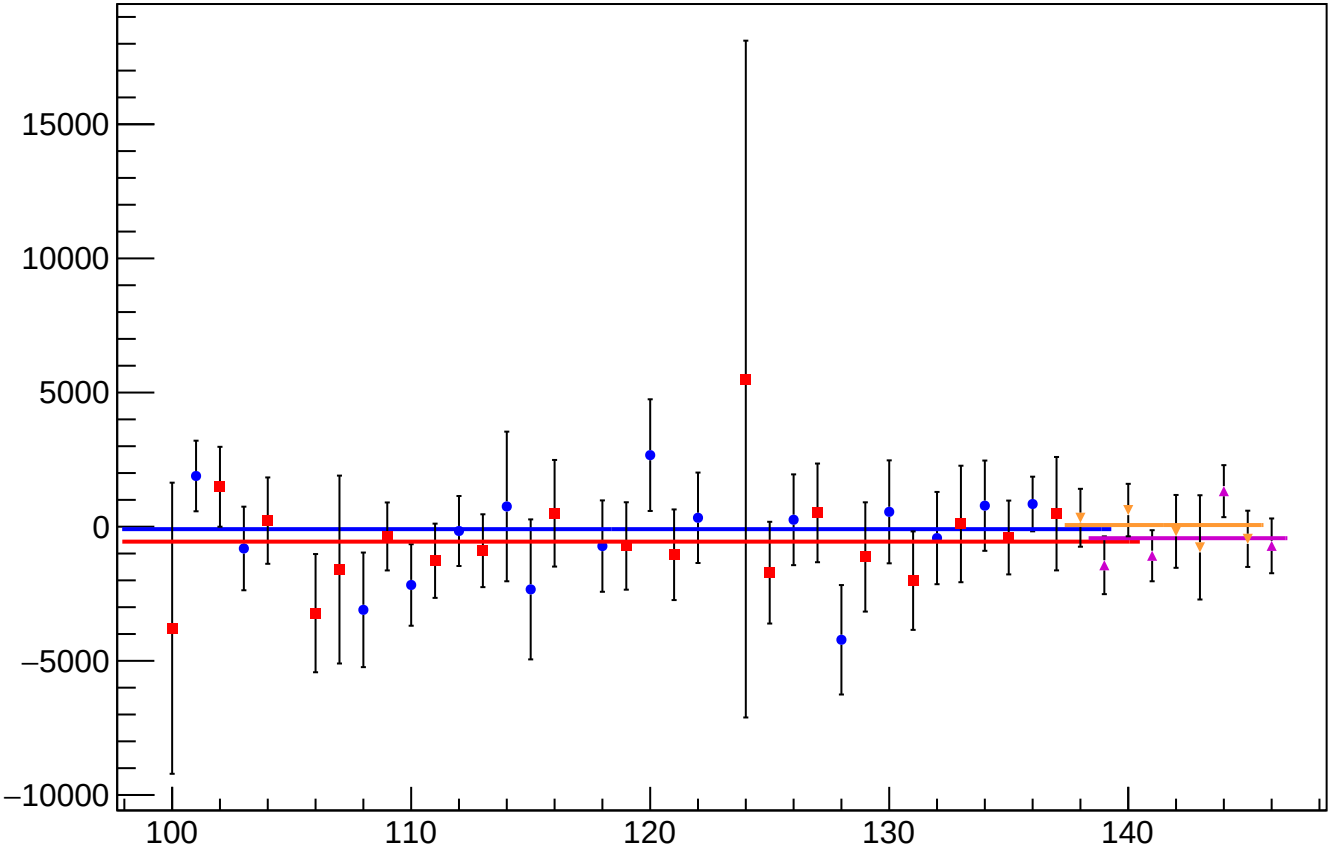
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1475.897+/-0.322 χ^2/NDF:418419.9/19

Out: 1544.637+/-0.331 χ^2/NDF:568369.7/23

All: 1509.277+/-0.231 χ^2/NDF: 1008927.4/43

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 61.793+/-525.420 χ^2/NDF:0.8/4

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -428.502+/-500.616 χ^2/NDF:4.7/3

Left: -195.200+/-362.441 χ^2/NDF: 6.0/8

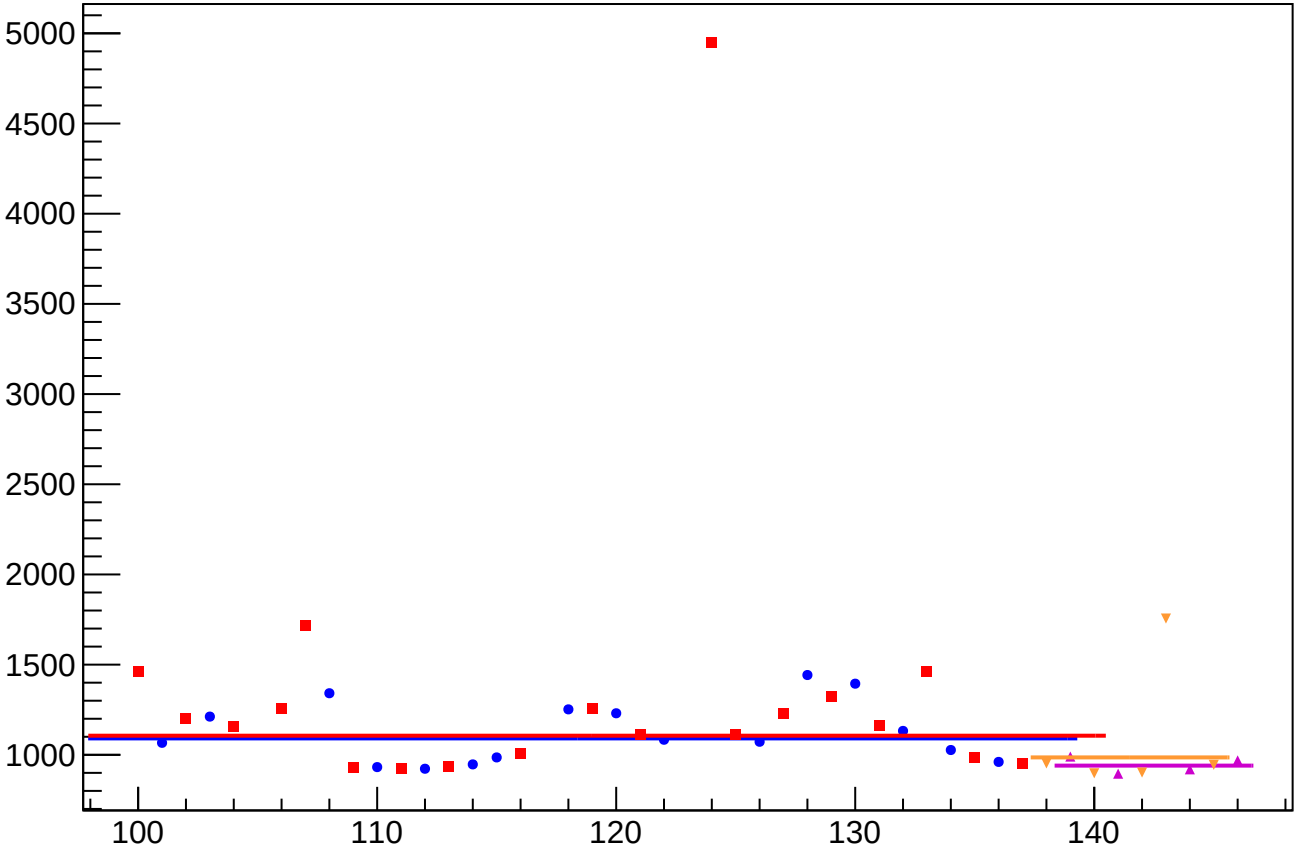
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -226.661+/-317.177 χ^2/NDF:19.5/19

Out: -321.757+/-323.893 χ^2/NDF:8.5/23

All: -273.213+/-226.615 χ^2/NDF: 28.0/43

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 985.691+/-0.372 χ^2/NDF:342787.8/4

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 940.188+/-0.354 χ^2/NDF:11264.0/3

Left: 961.840+/-0.256 χ^2/NDF: 361914.4/8

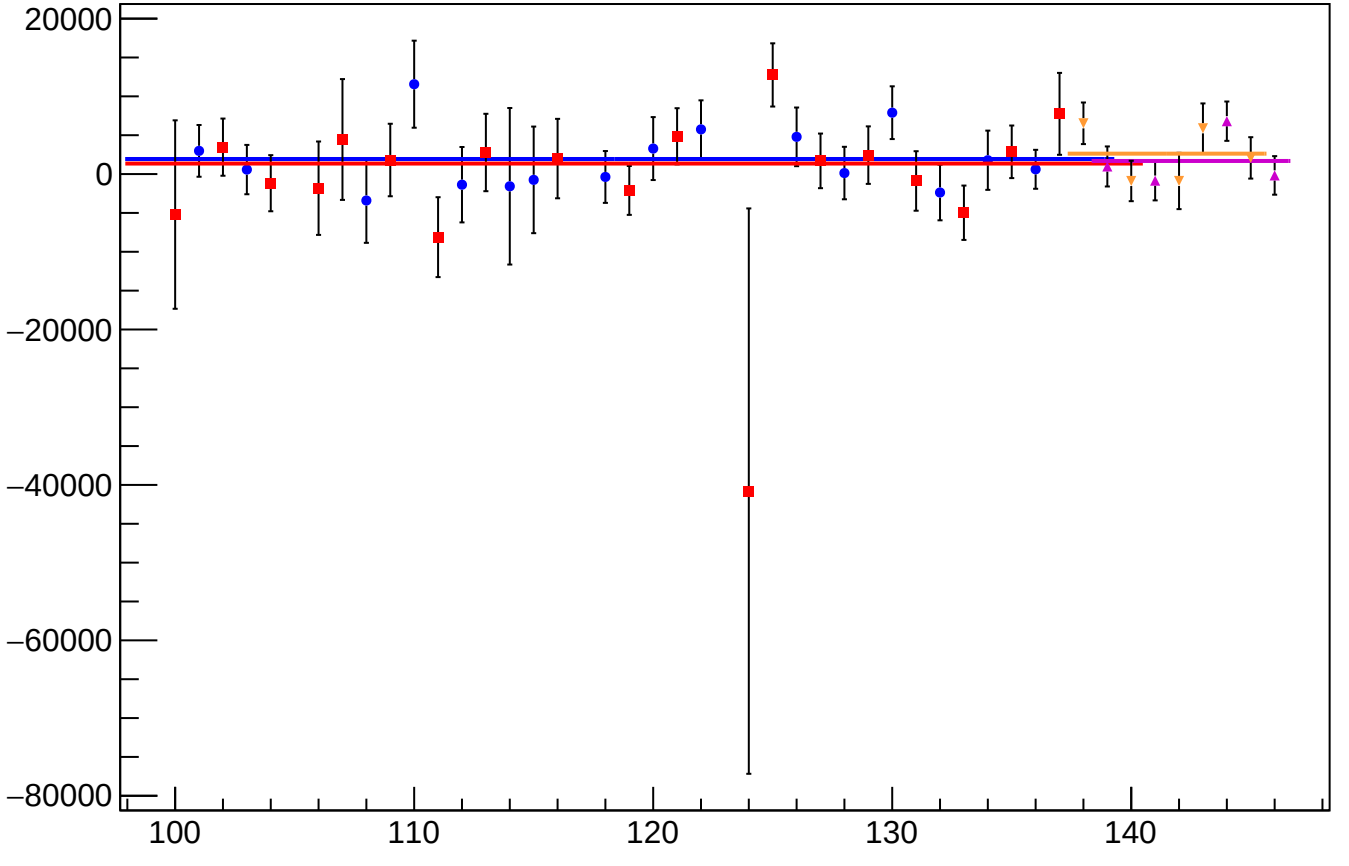
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1030.486+/-0.224 χ^2/NDF:397275.7/19

Out: 1060.311+/-0.229 χ^2/NDF:921948.4/23

All: 1045.086+/-0.160 χ^2/NDF: 1327880.7/43

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2625.524+/-1288.410 χ^2/NDF:6.0/4

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1685.215+/-1265.894 χ^2/NDF:5.7/3

Left: 2147.081+/-902.977 χ^2/NDF: 12.0/8

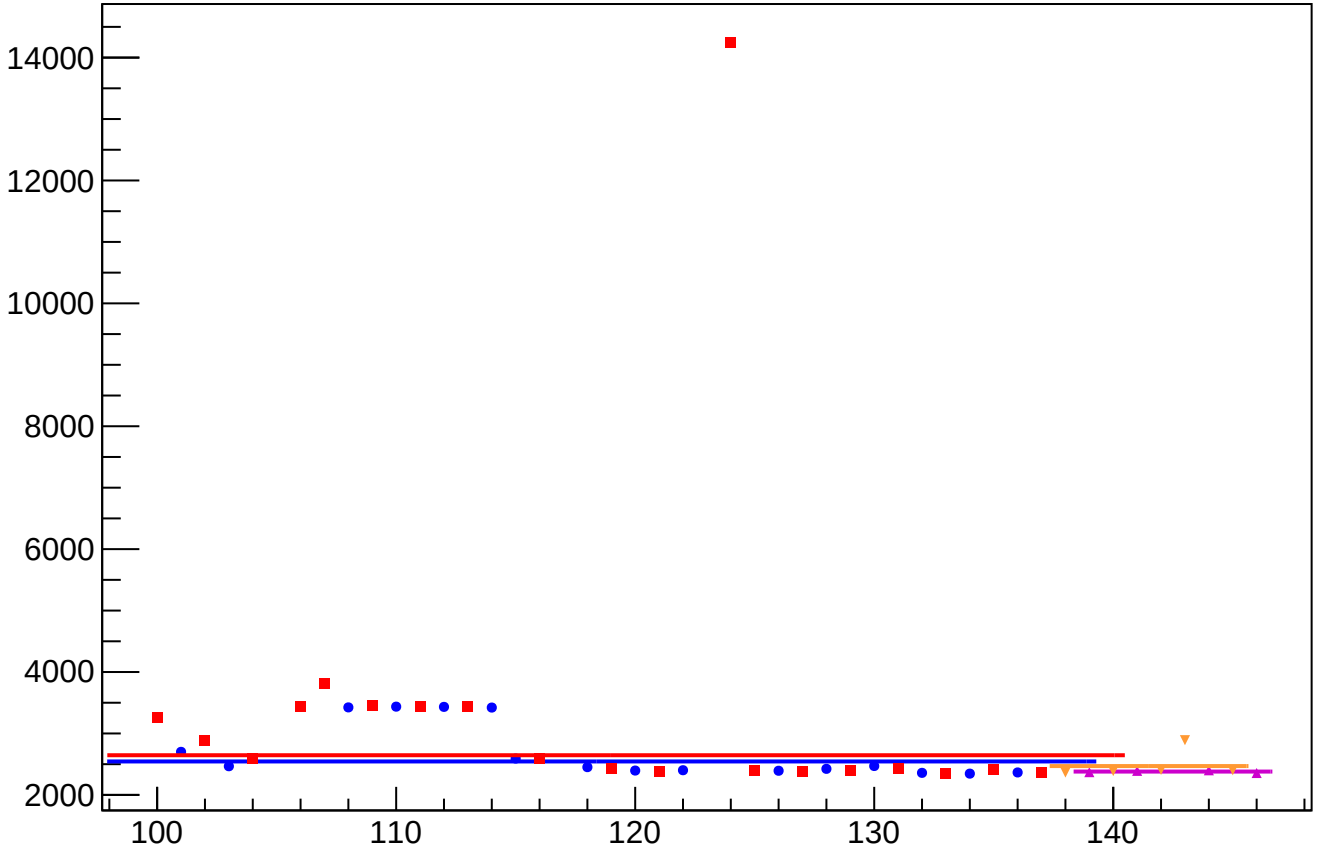
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1847.673+/-761.129 χ^2/NDF:18.0/19

Out: 1822.745+/-782.577 χ^2/NDF:28.4/23

All: 1835.555+/-545.625 χ^2/NDF: 46.4/43

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2469.240+/-0.911 χ^2/NDF:41616.0/4

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

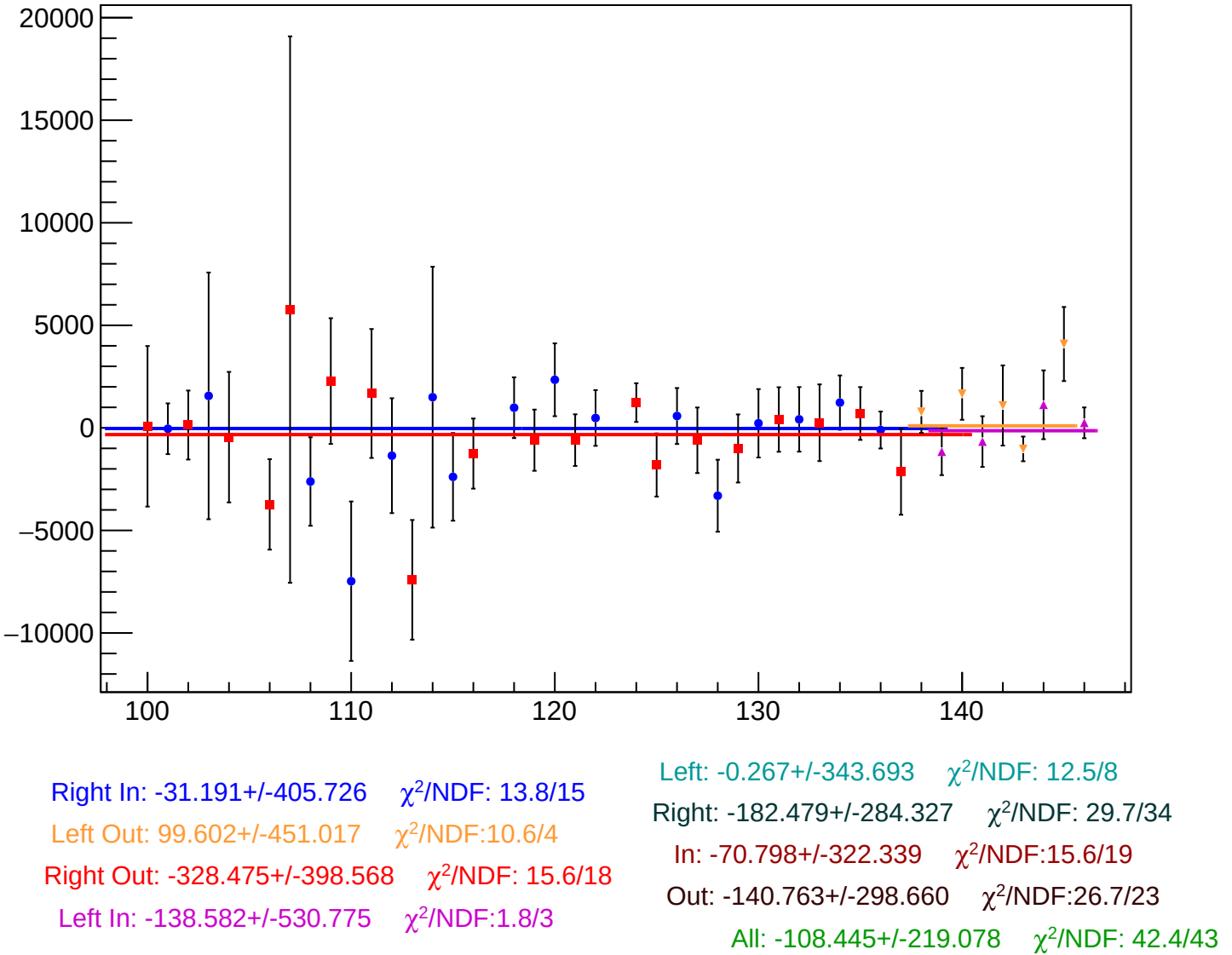
Left: 2423.704+/-0.639 χ^2/NDF: 46909.5/8

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

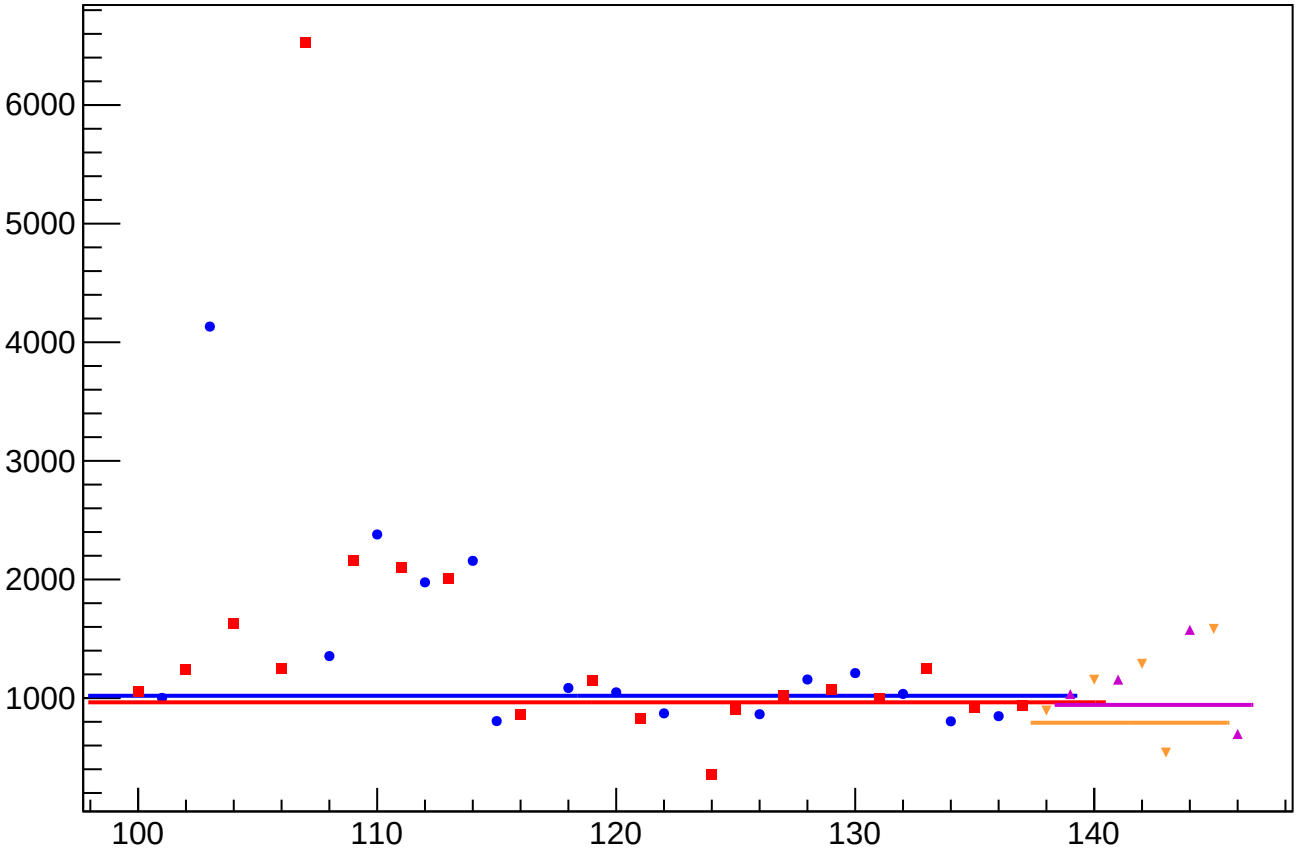
In: 2484.886+/-0.538 χ^2/NDF:247605.8/19

Out: 2580.565+/-0.553 χ^2/NDF:602242.0/23

All: 2531.396+/-0.386 χ^2/NDF: 865210.9/43


asym_atl1_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -31.191+/-405.726 χ²/NDF: 13.8/15
Left Out: 99.602+/-451.017 χ²/NDF:10.6/4
Right Out: -328.475+/-398.568 χ²/NDF: 15.6/18
Left In: -138.582+/-530.775 χ²/NDF:1.8/3
Left: -0.267+/-343.693 χ²/NDF: 12.5/8
Right: -182.479+/-284.327 χ²/NDF: 29.7/34
In: -70.798+/-322.339 χ²/NDF:15.6/19
Out: -140.763+/-298.660 χ²/NDF:26.7/23
All: -108.445+/-219.078 χ²/NDF: 42.4/43

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 792.222+/-0.319 χ^2/NDF:1048033.7/4

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 942.715+/-0.375 χ^2/NDF:569251.6/3

Left: 855.323+/-0.243 χ^2/NDF: 1710653.6/8

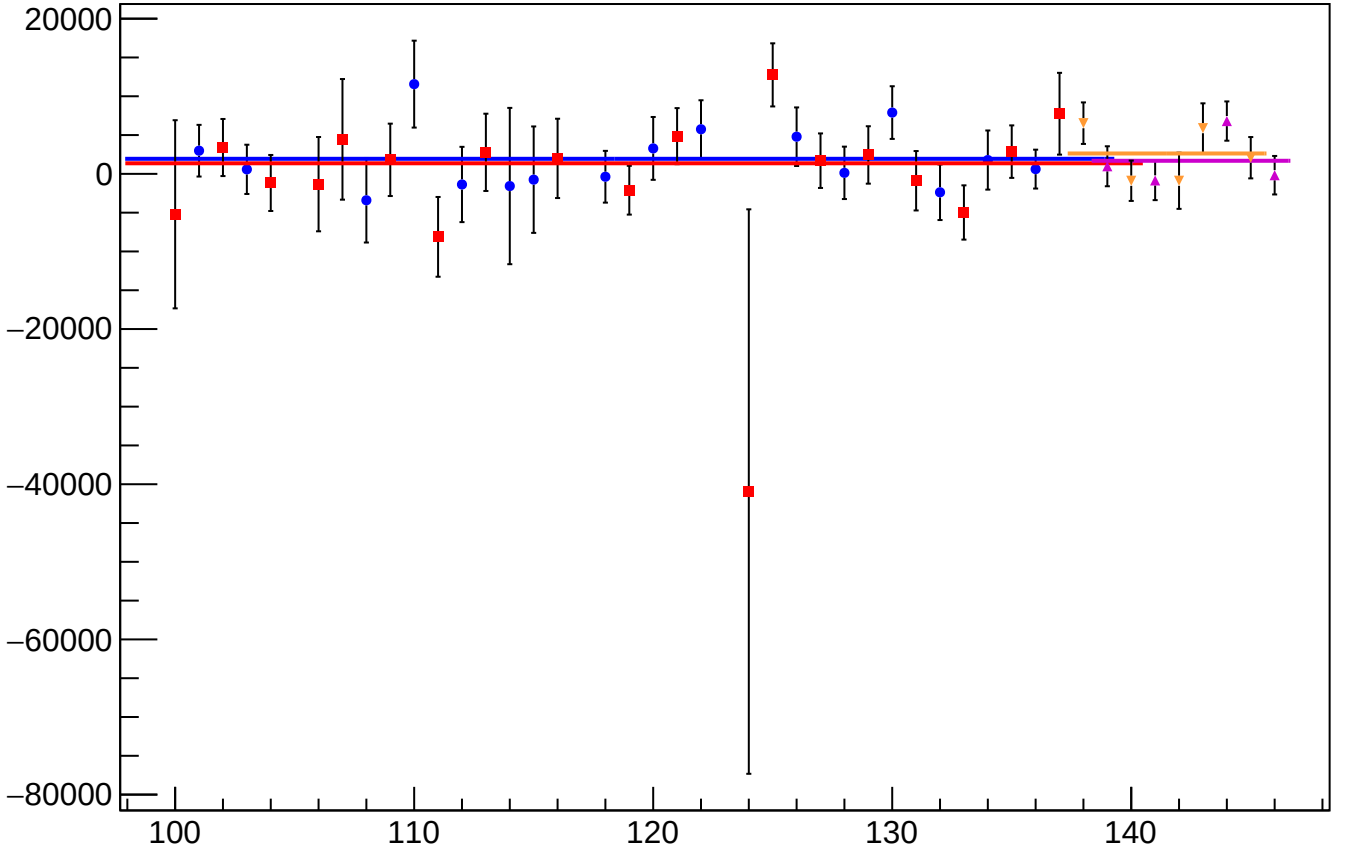
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 991.195+/-0.228 χ^2/NDF:1960432.5/19

Out: 888.888+/-0.211 χ^2/NDF:3521016.4/23

All: 936.146+/-0.155 χ^2/NDF: 5589856.6/43

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2625.638+/-1288.410 χ^2/NDF:6.0/4

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1685.359+/-1265.894 χ^2/NDF:5.7/3

Left: 2147.211+/-902.977 χ^2/NDF: 12.0/8

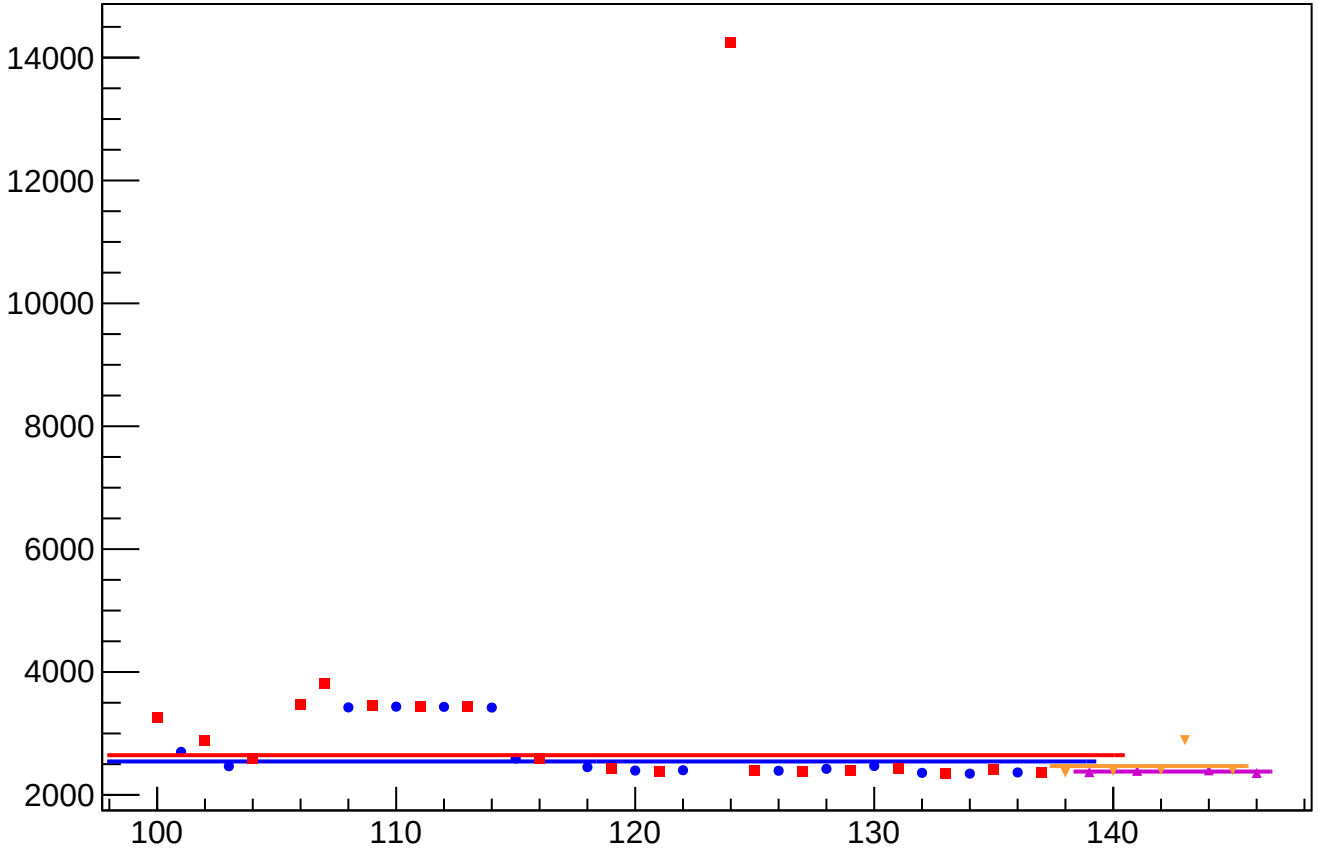
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1847.948+/-761.129 χ^2/NDF:18.0/19

Out: 1829.063+/-782.728 χ^2/NDF:28.3/23

All: 1838.769+/-545.676 χ^2/NDF: 46.3/43

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2469.240+/-0.911 χ^2/NDF:41616.0/4

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

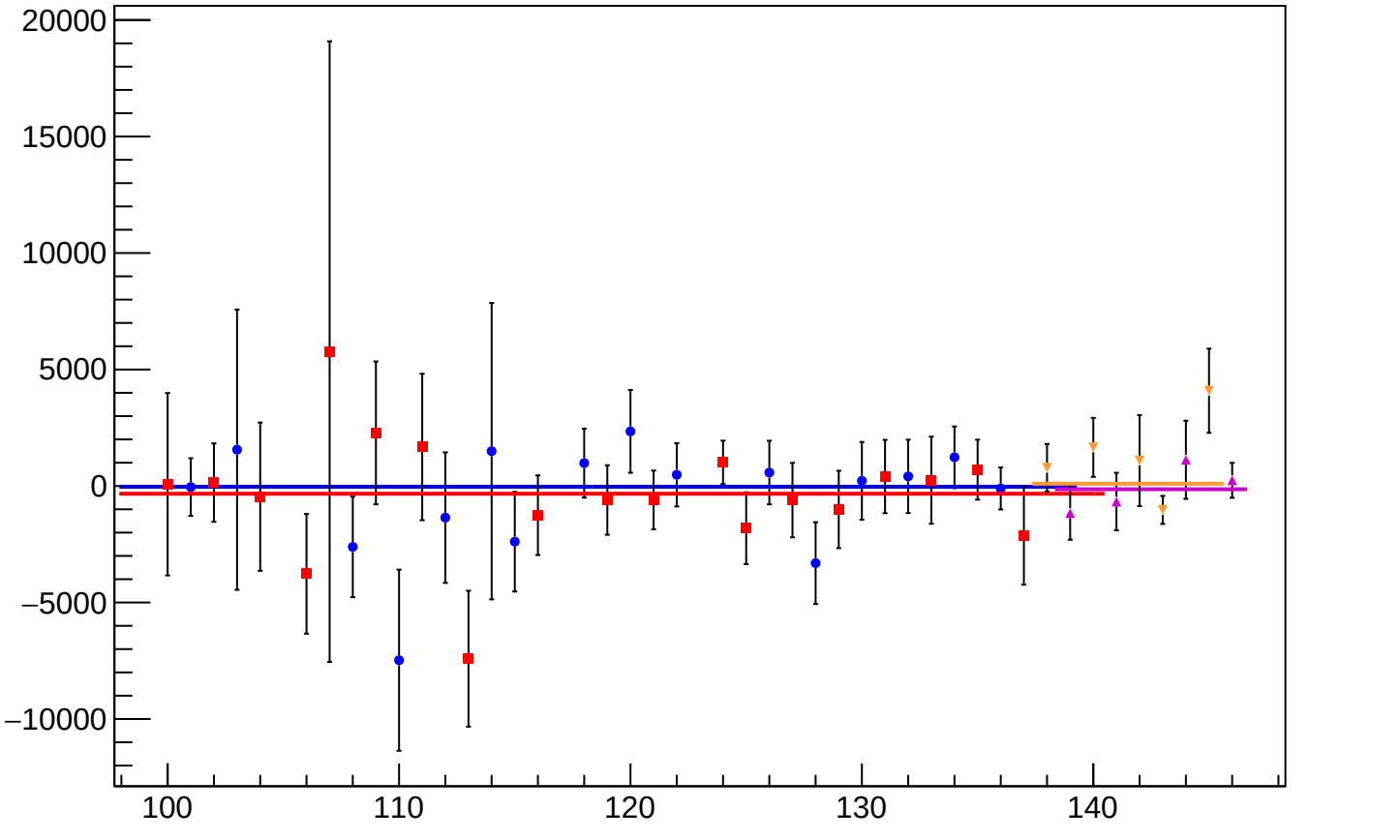
Left: 2423.704+/-0.639 χ^2/NDF: 46909.5/8

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2484.886+/-0.538 χ^2/NDF:247605.8/19

Out: 2580.890+/-0.553 χ^2/NDF:604967.7/23

All: 2531.545+/-0.386 χ^2/NDF: 868038.4/43



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 99.761+/-451.031 χ^2/NDF:10.6/4

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -138.795+/-530.772 χ^2/NDF:1.8/3

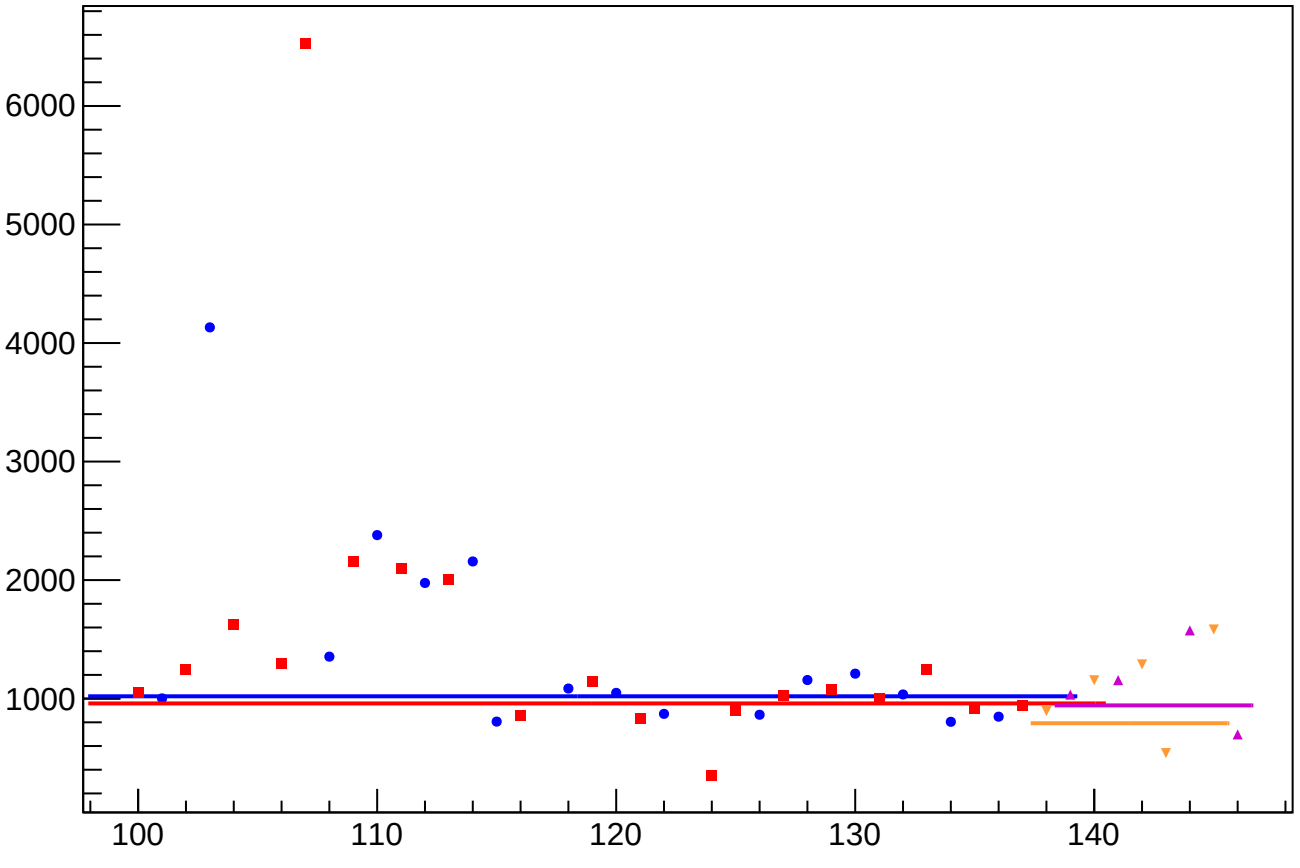
Left: -0.269+/-343.698 χ^2/NDF: 12.5/8

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -70.916+/-322.337 χ^2/NDF:15.6/19

Out: -142.250+/-298.986 χ^2/NDF:25.5/23

All: -109.260+/-219.206 χ^2/NDF: 41.2/43



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 792.255+/-0.319 χ^2/NDF:1047928.7/4

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 942.706+/-0.375 χ^2/NDF:569276.1/3

Left: 855.341+/-0.243 χ^2/NDF: 1710518.8/8

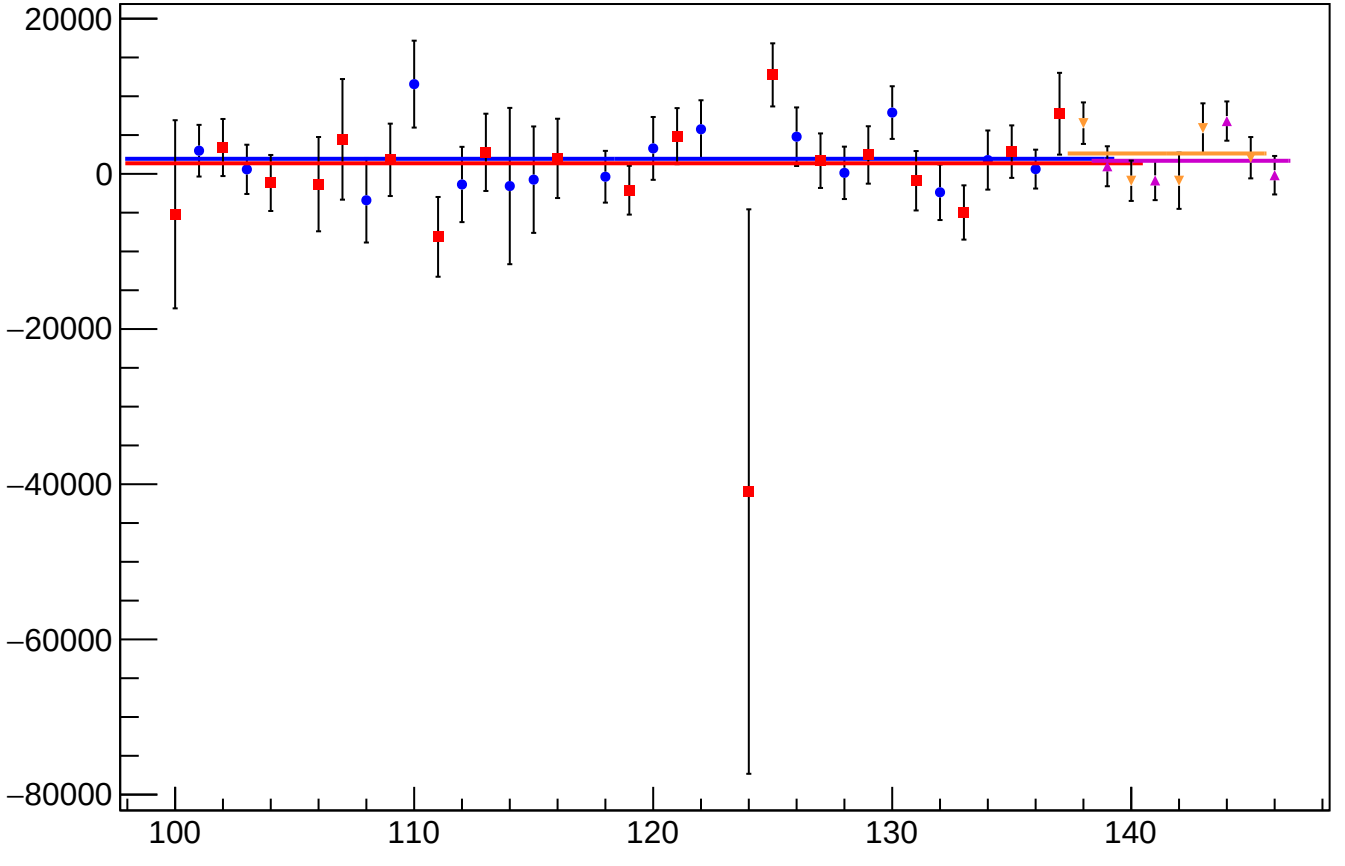
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 991.186+/-0.228 χ^2/NDF:1960452.8/19

Out: 885.920+/-0.211 χ^2/NDF:3546230.2/23

All: 934.603+/-0.155 χ^2/NDF: 5621337.7/43

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2625.638+/-1288.410 χ^2/NDF:6.0/4

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1685.359+/-1265.894 χ^2/NDF:5.7/3

Left: 2147.211+/-902.977 χ^2/NDF: 12.0/8

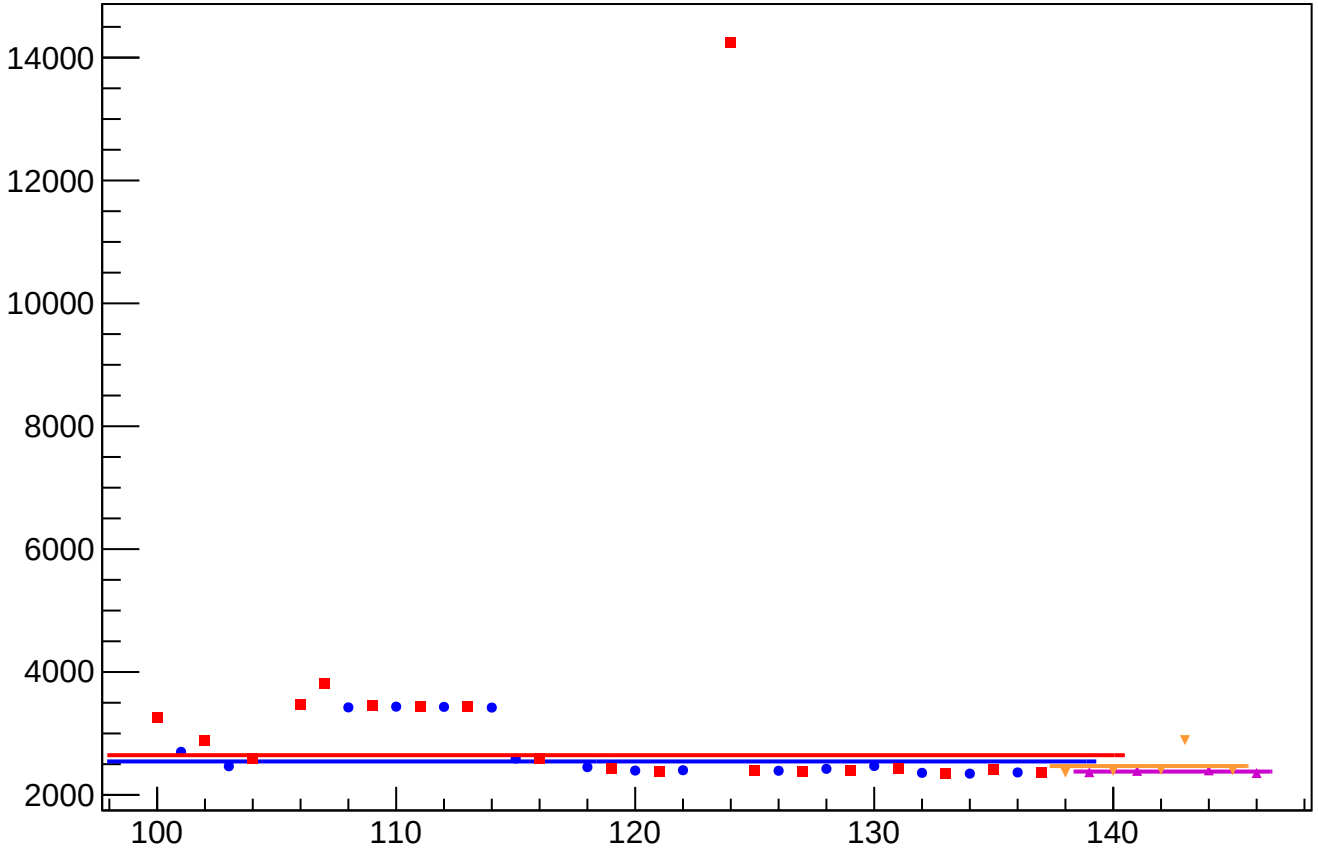
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1847.948+/-761.129 χ^2/NDF:18.0/19

Out: 1829.063+/-782.728 χ^2/NDF:28.3/23

All: 1838.769+/-545.676 χ^2/NDF: 46.3/43

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2469.240+/-0.911 χ^2/NDF:41616.0/4

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

Left: 2423.704+/-0.639 χ^2/NDF: 46909.5/8

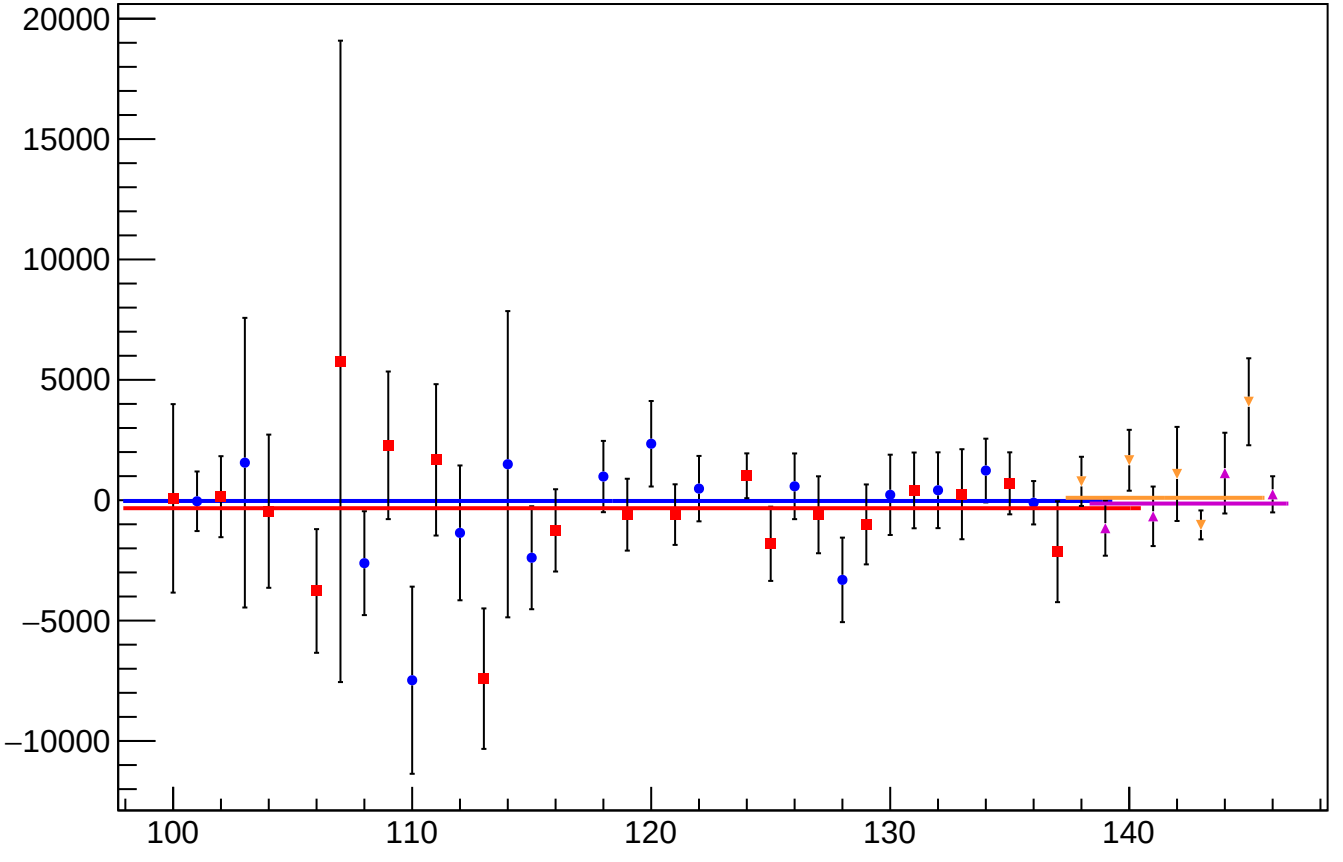
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2484.886+/-0.538 χ^2/NDF:247605.8/19

Out: 2580.890+/-0.553 χ^2/NDF:604967.7/23

All: 2531.545+/-0.386 χ^2/NDF: 868038.4/43

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 99.761+/-451.031 χ^2/NDF:10.6/4

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -138.795+/-530.772 χ^2/NDF:1.8/3

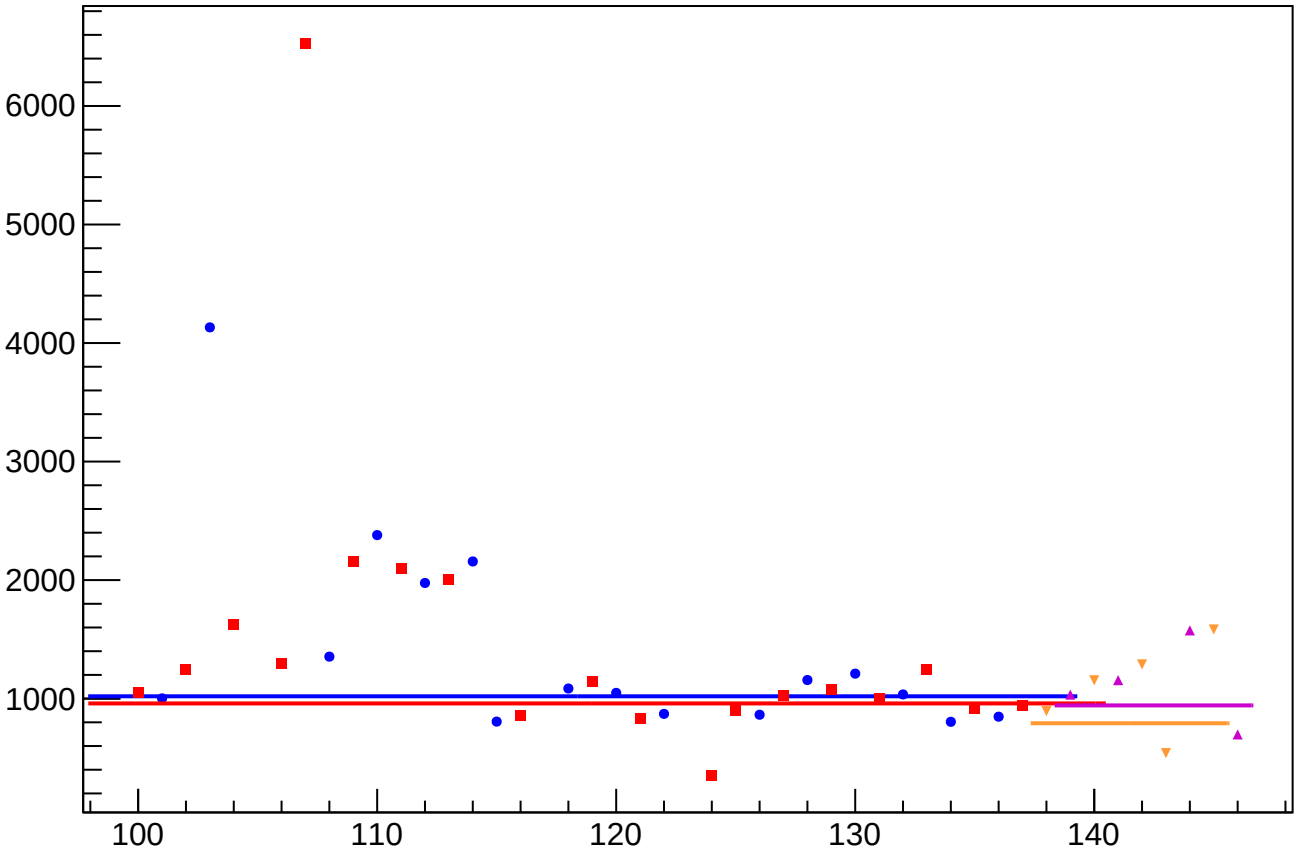
Left: -0.269+/-343.698 χ^2/NDF: 12.5/8

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -70.916+/-322.337 χ^2/NDF:15.6/19

Out: -142.250+/-298.986 χ^2/NDF:25.5/23

All: -109.260+/-219.206 χ^2/NDF: 41.2/43



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 792.255+/-0.319 χ^2/NDF:1047928.7/4

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 942.706+/-0.375 χ^2/NDF:569276.1/3

Left: 855.341+/-0.243 χ^2/NDF: 1710518.8/8

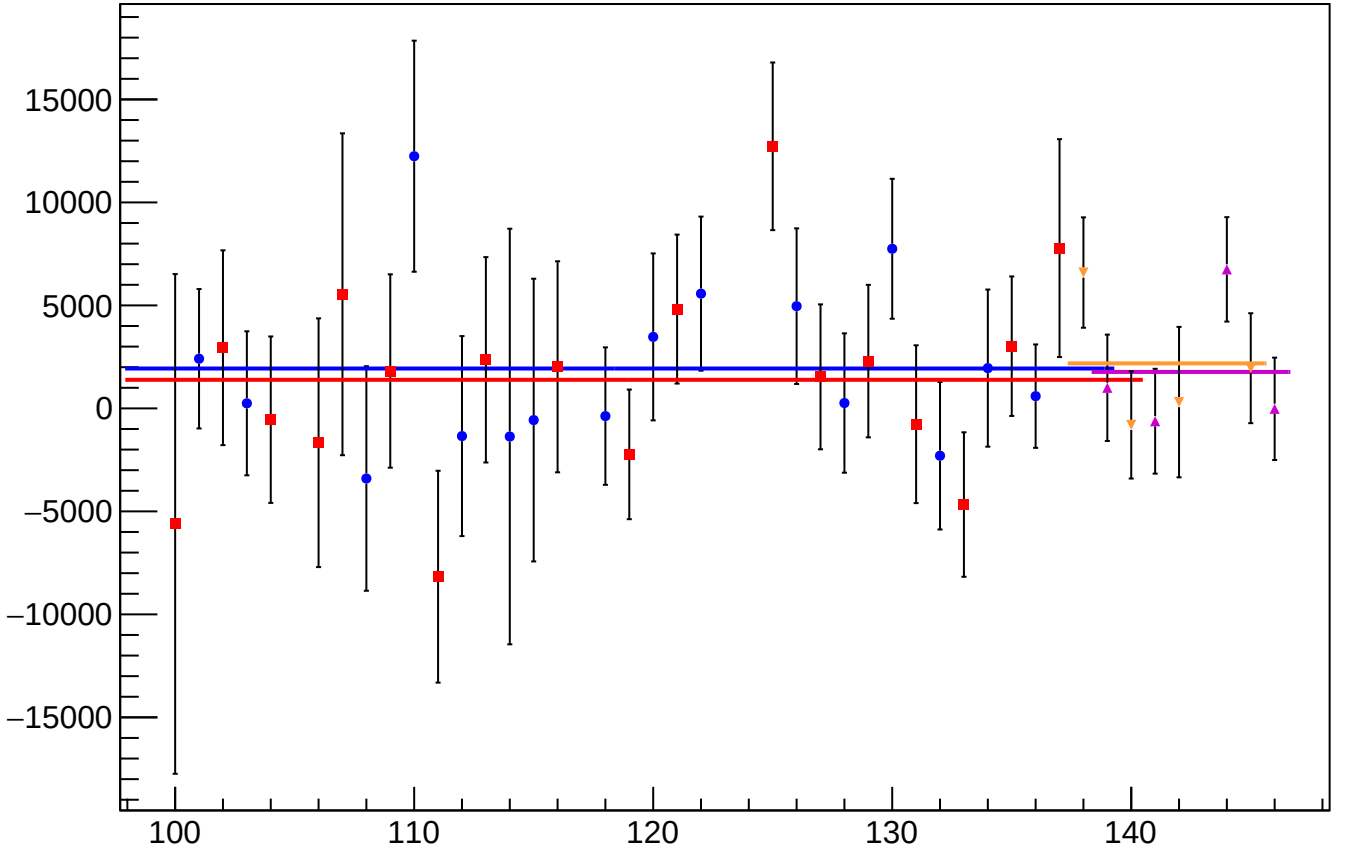
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 991.186+/-0.228 χ^2/NDF:1960452.8/19

Out: 885.920+/-0.211 χ^2/NDF:3546230.2/23

All: 934.603+/-0.155 χ^2/NDF: 5621337.7/43

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2185.316+/-1411.373 χ^2/NDF:4.3/3

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1769.617+/-1267.828 χ^2/NDF:5.4/3

Left: 1955.258+/-943.169 χ^2/NDF: 9.7/7

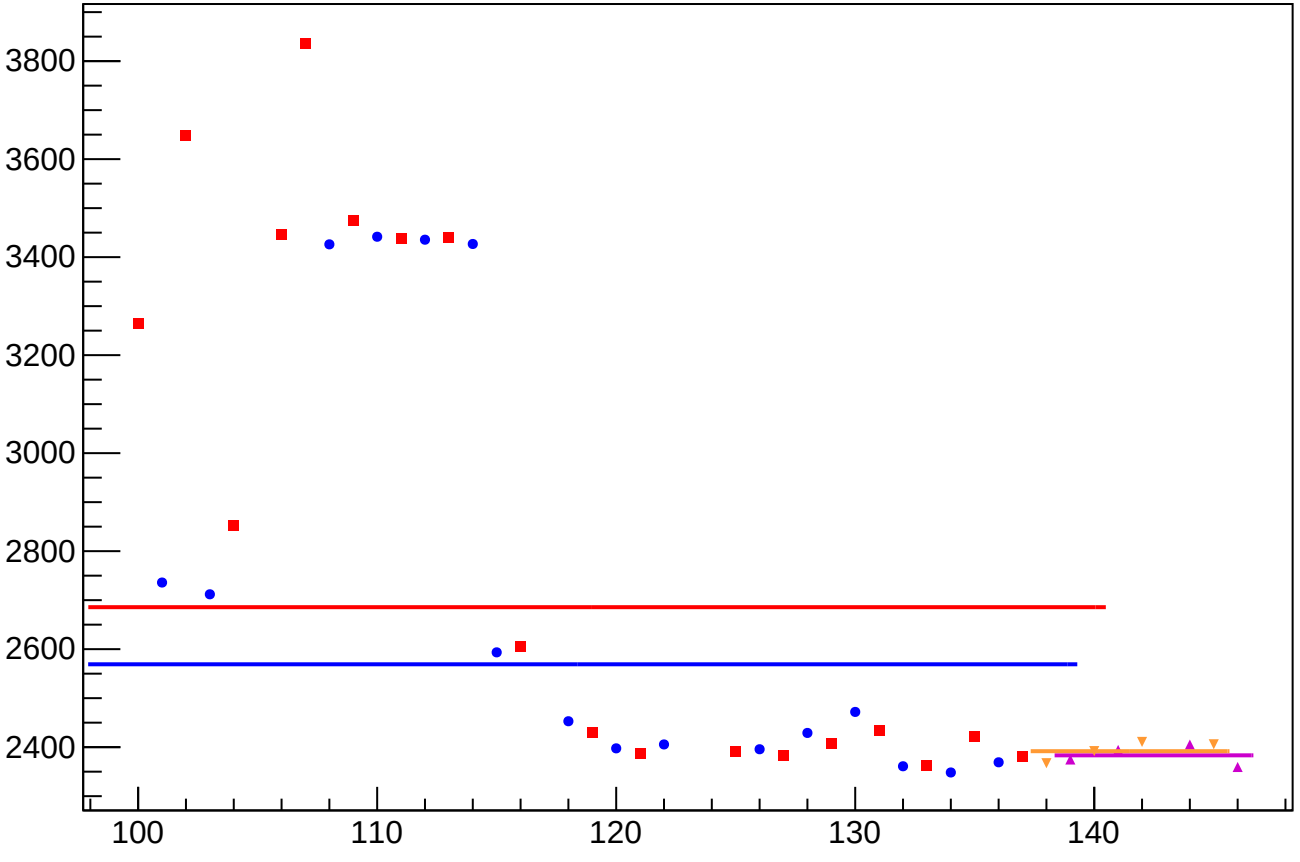
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1875.176+/-766.522 χ^2/NDF:17.7/19

Out: 1657.412+/-820.872 χ^2/NDF:24.3/21

All: 1773.741+/-560.242 χ^2/NDF: 42.0/41

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2391.783+/-0.998 χ^2/NDF:276.9/3

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2383.338+/-0.896 χ^2/NDF:392.3/3

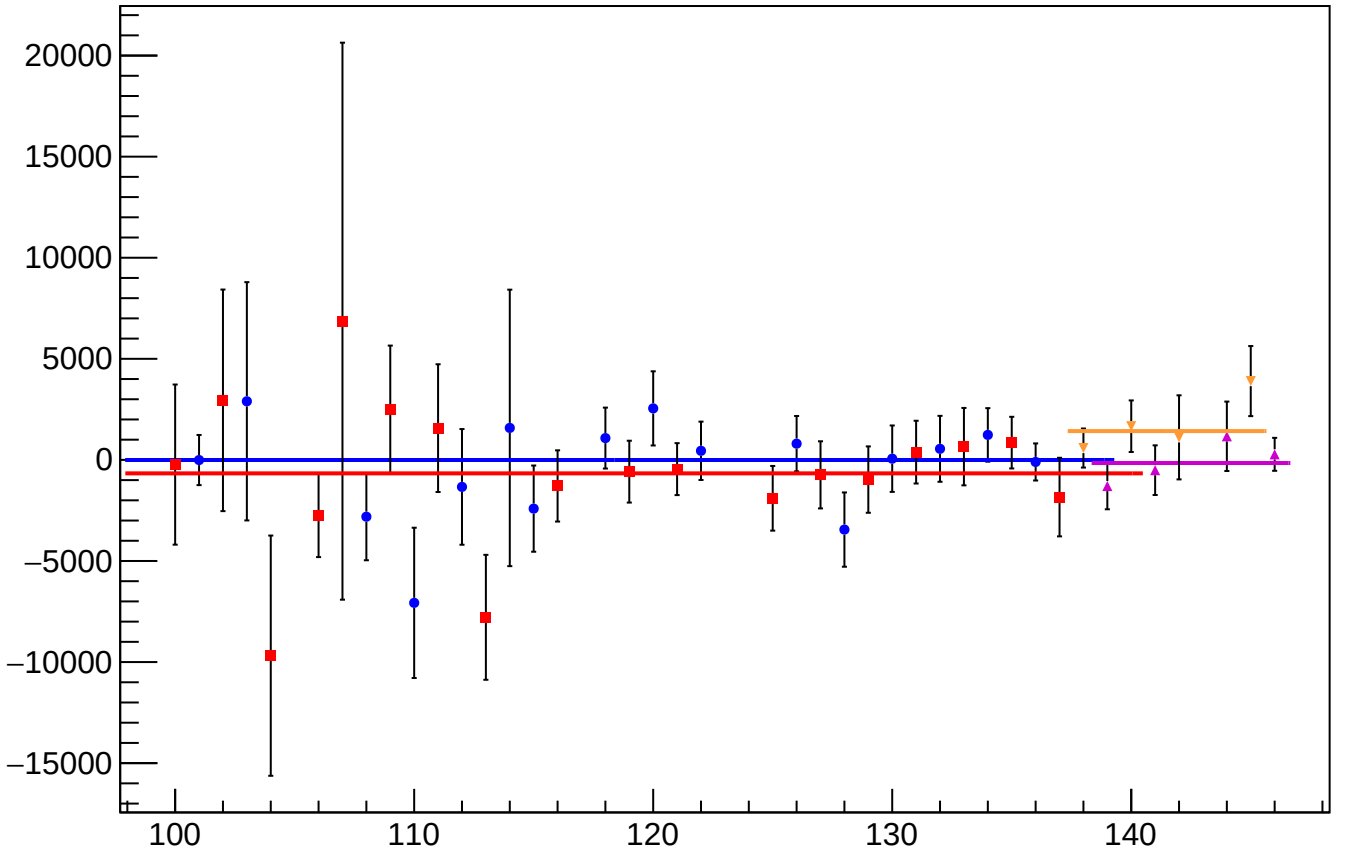
Left: 2387.109+/-0.667 χ^2/NDF: 708.8/7

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2501.217+/-0.542 χ^2/NDF:257130.0/19

Out: 2586.259+/-0.580 χ^2/NDF:476926.7/21

All: 2540.829+/-0.396 χ^2/NDF: 745523.8/41



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 1425.808+/-666.633 χ^2/NDF:2.8/3

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -154.097+/-553.549 χ^2/NDF:1.9/3

Left: 490.681+/-425.869 χ^2/NDF: 8.1/7

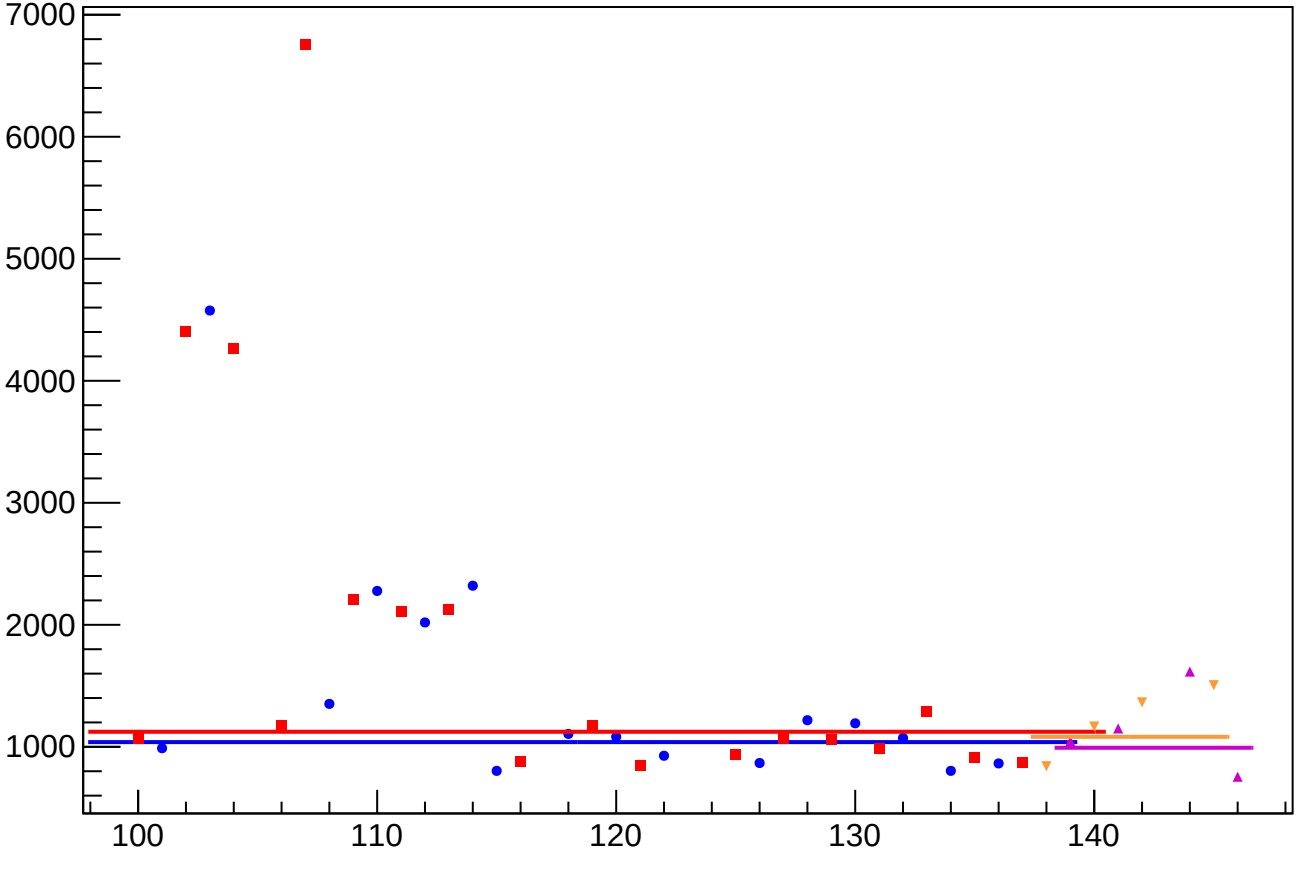
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -58.301+/-330.632 χ^2/NDF:16.5/19

Out: 9.788+/-378.896 χ^2/NDF:23.9/21

All: -28.867+/-249.120 χ^2/NDF: 40.4/41

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 1081.913+/-0.471 χ^2/NDF:289406.4/3

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 992.441+/-0.391 χ^2/NDF:471808.9/3

Left: 1028.956+/-0.301 χ^2/NDF: 782539.5/7

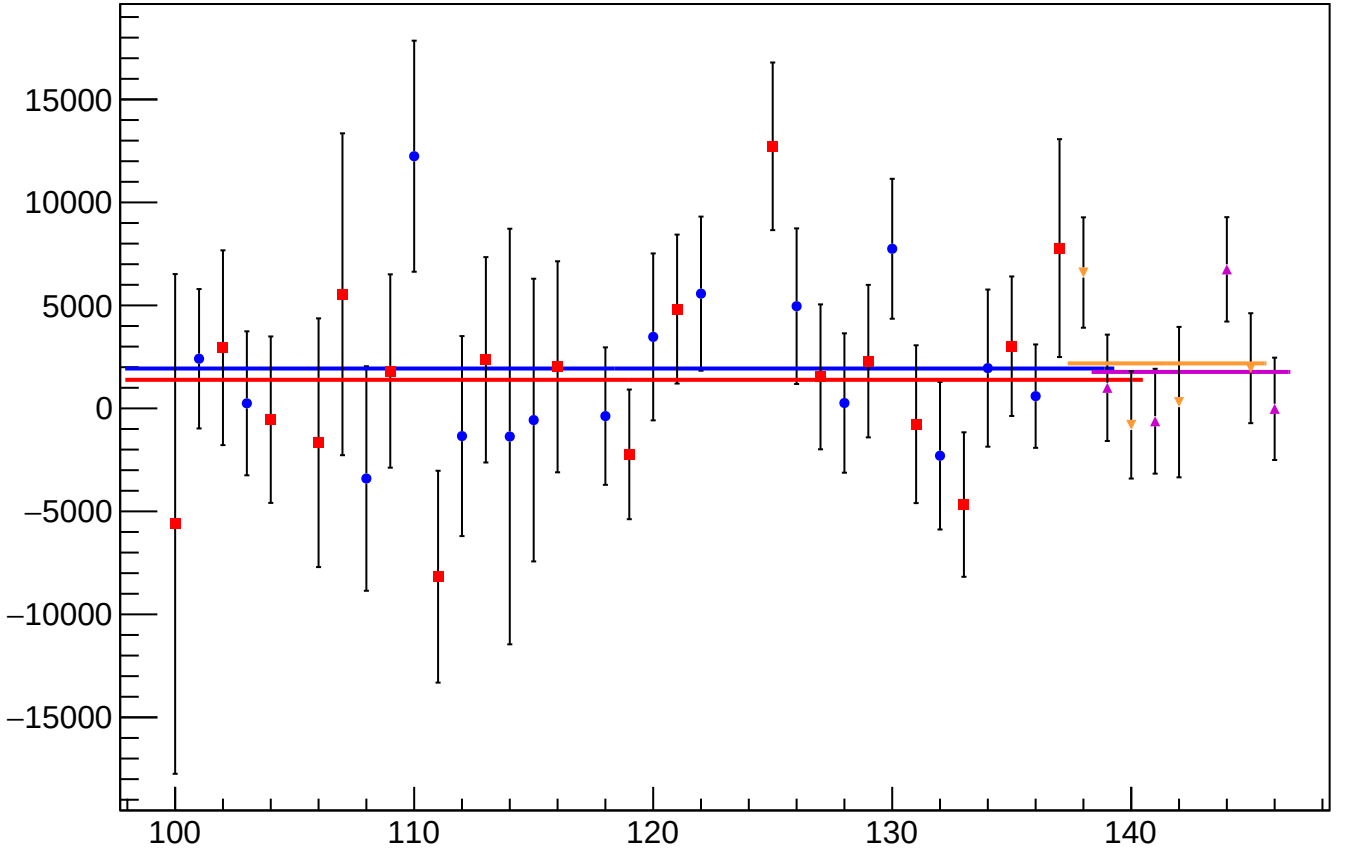
Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 1022.263+/-0.234 χ^2/NDF:2020564.2/19

Out: 1110.048+/-0.268 χ^2/NDF:2830180.5/21

All: 1060.211+/-0.176 χ^2/NDF: 4911692.6/41

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2185.321+/-1411.373 χ^2/NDF:4.3/3

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1769.616+/-1267.828 χ^2/NDF:5.4/3

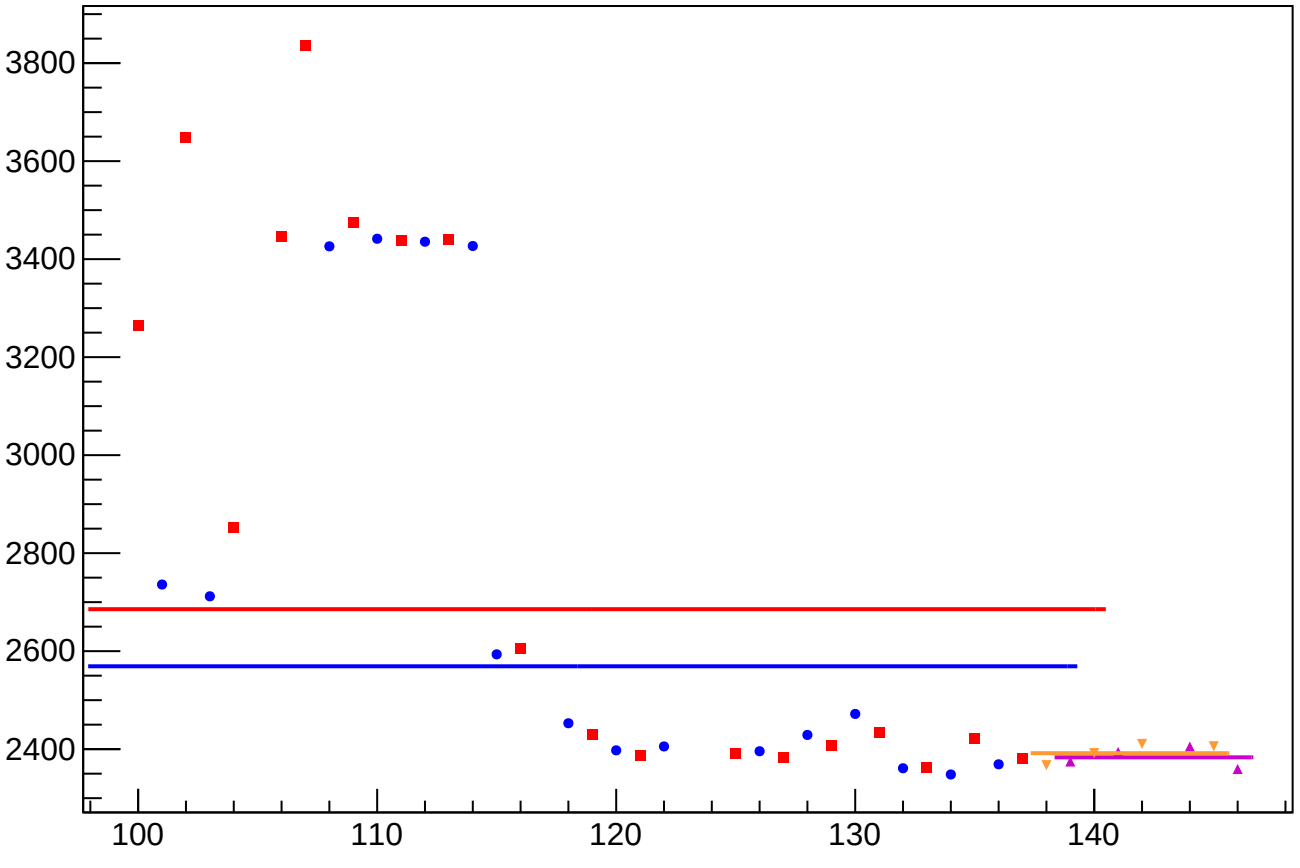
Left: 1955.260+/-943.169 χ^2/NDF: 9.7/7

Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1875.174+/-766.522 χ^2/NDF:17.7/19

Out: 1657.412+/-820.872 χ^2/NDF:24.3/21

All: 1773.740+/-560.242 χ^2/NDF: 42.0/41



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2391.783+/-0.998 χ^2/NDF:276.9/3

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2383.338+/-0.896 χ^2/NDF:392.3/3

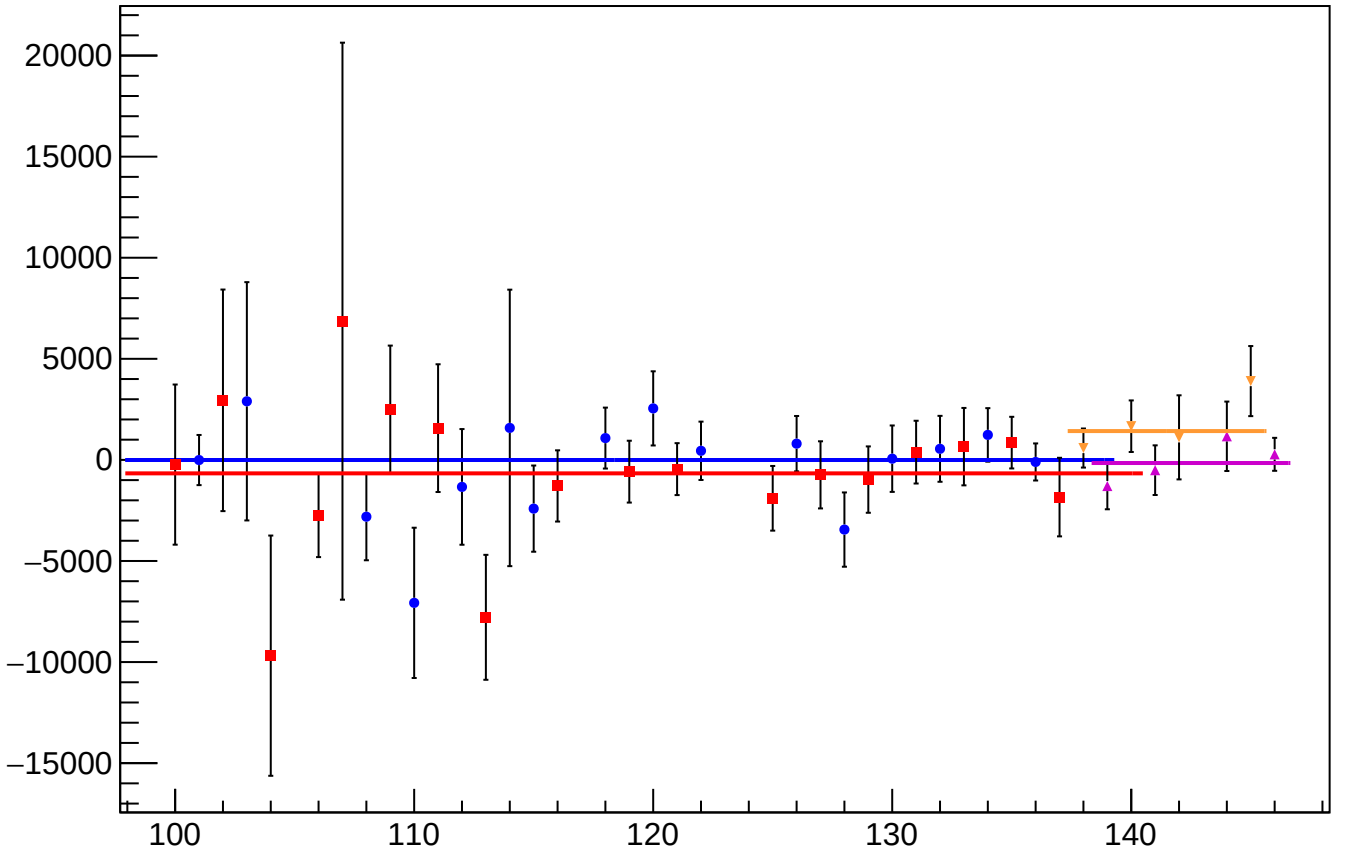
Left: 2387.109+/-0.667 χ^2/NDF: 708.7/7

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2501.216+/-0.542 χ^2/NDF:257129.7/19

Out: 2586.259+/-0.580 χ^2/NDF:476926.0/21

All: 2540.829+/-0.396 χ^2/NDF: 745522.7/41



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 1425.811+/-666.633 χ^2/NDF:2.8/3

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -154.099+/-553.550 χ^2/NDF:1.9/3

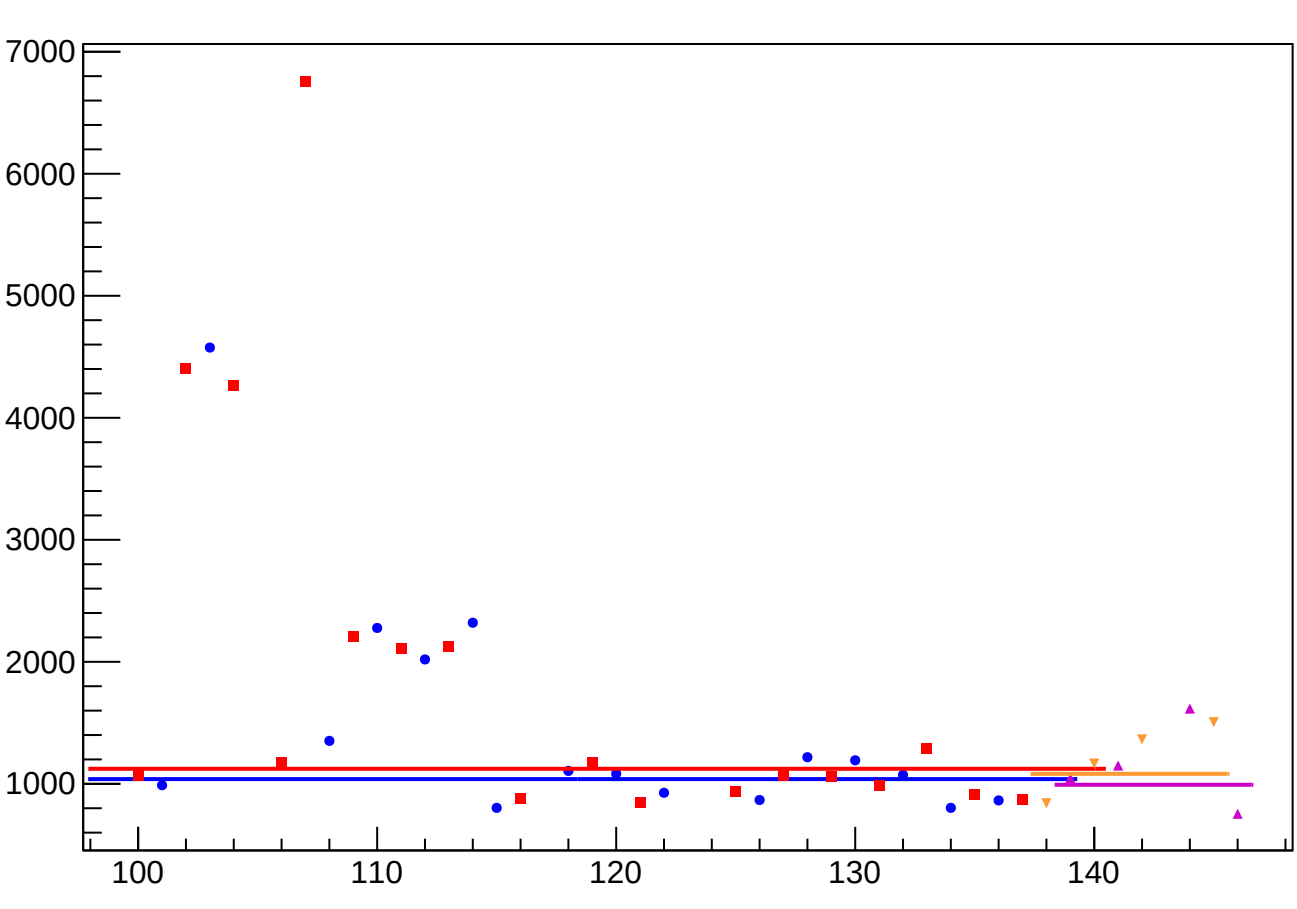
Left: 490.681+/-425.869 χ^2/NDF: 8.1/7

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -58.303+/-330.632 χ^2/NDF:16.5/19

Out: 9.787+/-378.896 χ^2/NDF:23.9/21

All: -28.868+/-249.120 χ^2/NDF: 40.4/41



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 1081.914+/-0.471 χ^2/NDF:289406.8/3

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 992.442+/-0.391 χ^2/NDF:471809.2/3

Left: 1028.957+/-0.301 χ^2/NDF: 782540.0/7

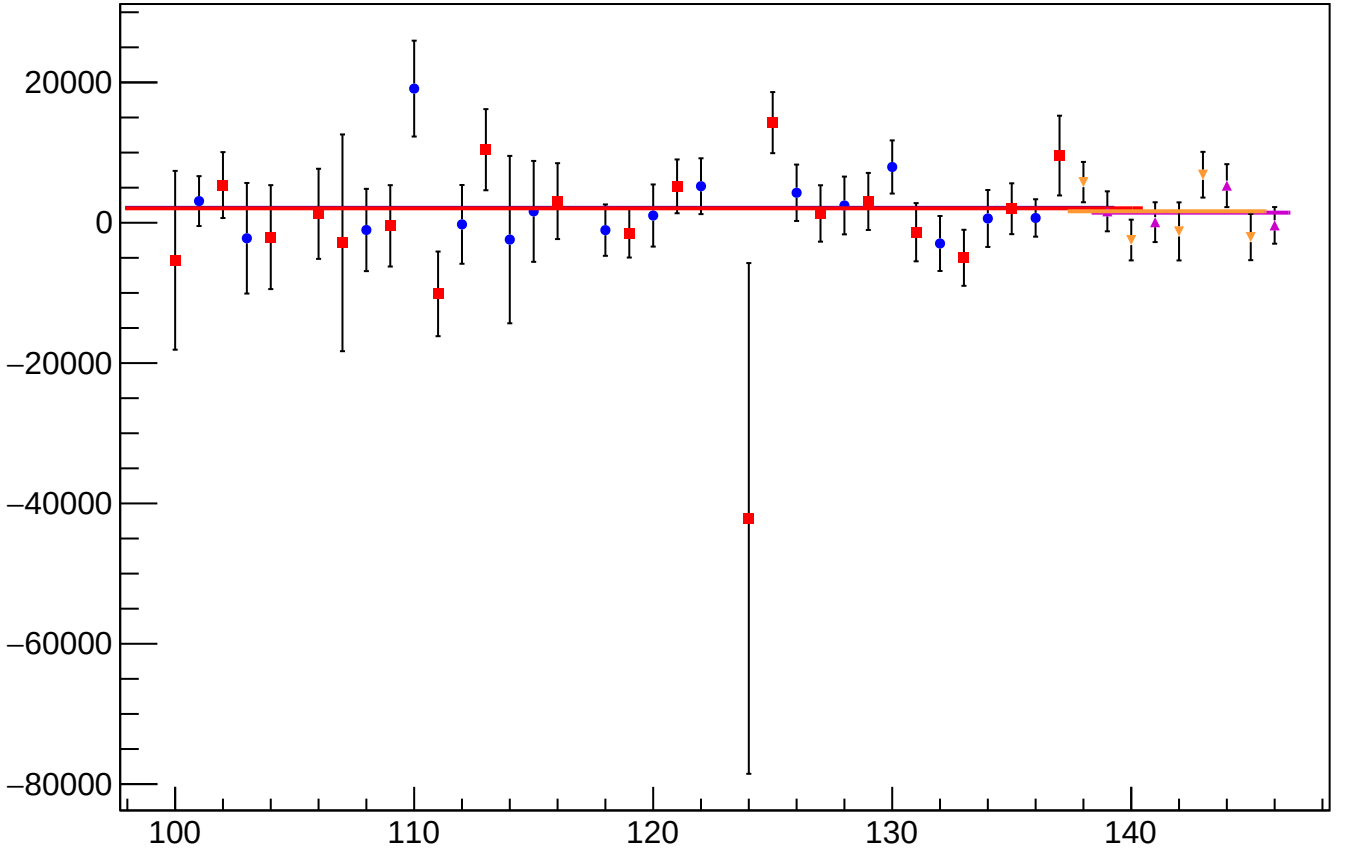
Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 1022.264+/-0.234 χ^2/NDF:2020558.1/19

Out: 1110.048+/-0.268 χ^2/NDF:2830179.0/21

All: 1060.212+/-0.176 χ^2/NDF: 4911684.1/41

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1635.880+/-1436.493 χ^2/NDF:8.4/4

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1439.679+/-1412.923 χ^2/NDF:2.3/3

Left: 1536.157+/-1007.317 χ^2/NDF: 10.7/8

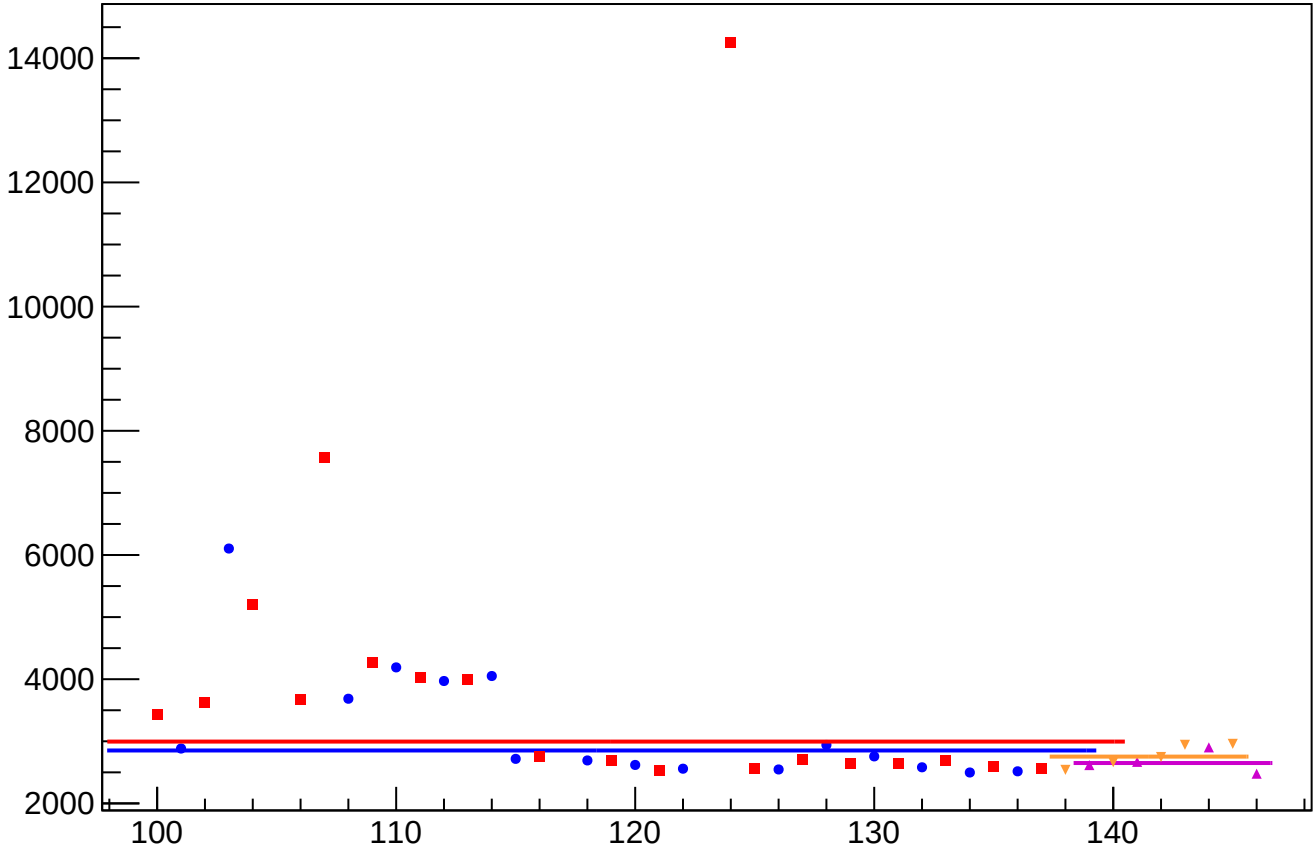
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1868.978+/-860.395 χ^2/NDF:15.8/19

Out: 1896.513+/-891.435 χ^2/NDF:32.7/23

All: 1882.258+/-619.074 χ^2/NDF: 48.6/43

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2753.605+/-1.016 χ^2/NDF:27529.5/4

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2650.230+/-0.999 χ^2/NDF:22568.7/3

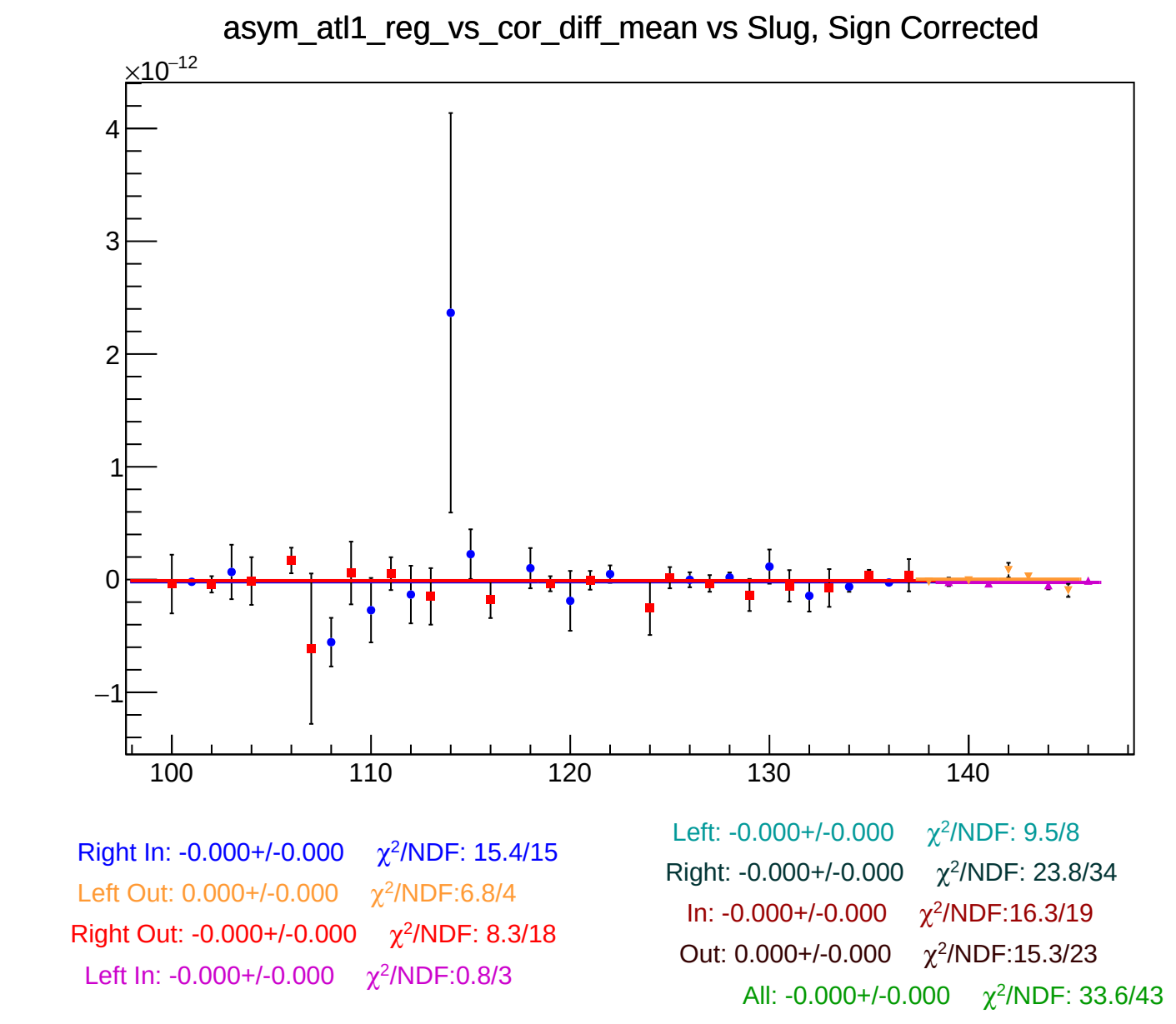
Left: 2701.063+/-0.712 χ^2/NDF: 55362.6/8

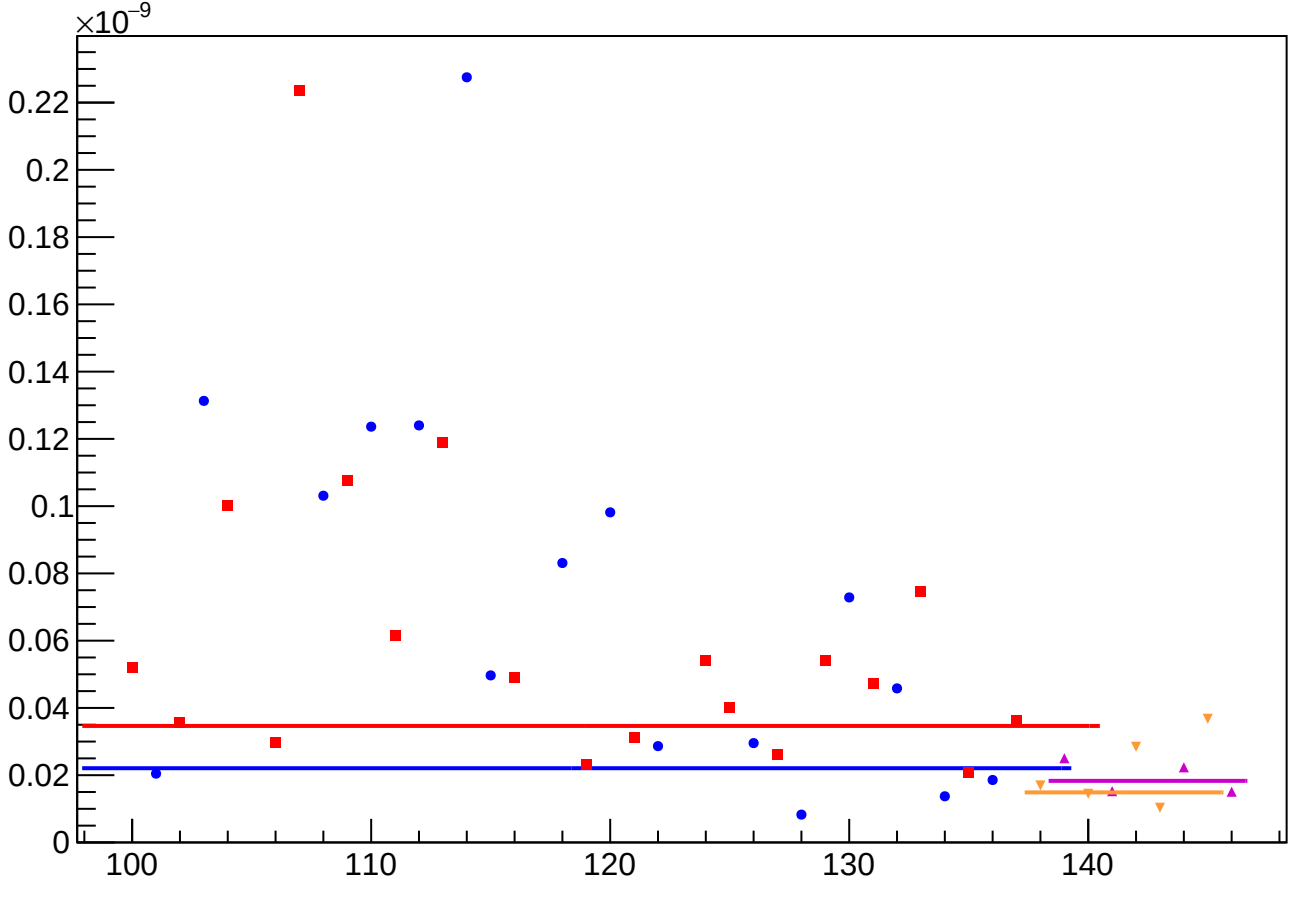
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2777.310+/-0.608 χ^2/NDF:696997.9/19

Out: 2902.362+/-0.630 χ^2/NDF:1041577.7/23

All: 2837.621+/-0.438 χ^2/NDF: 1758951.9/43


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:6.8/4
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:0.8/3
Left: -0.000+/-0.000 χ²/NDF: 9.5/8
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:16.3/19
Out: 0.000+/-0.000 χ²/NDF:15.3/23
All: -0.000+/-0.000 χ²/NDF: 33.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:495960.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:134045.3/3

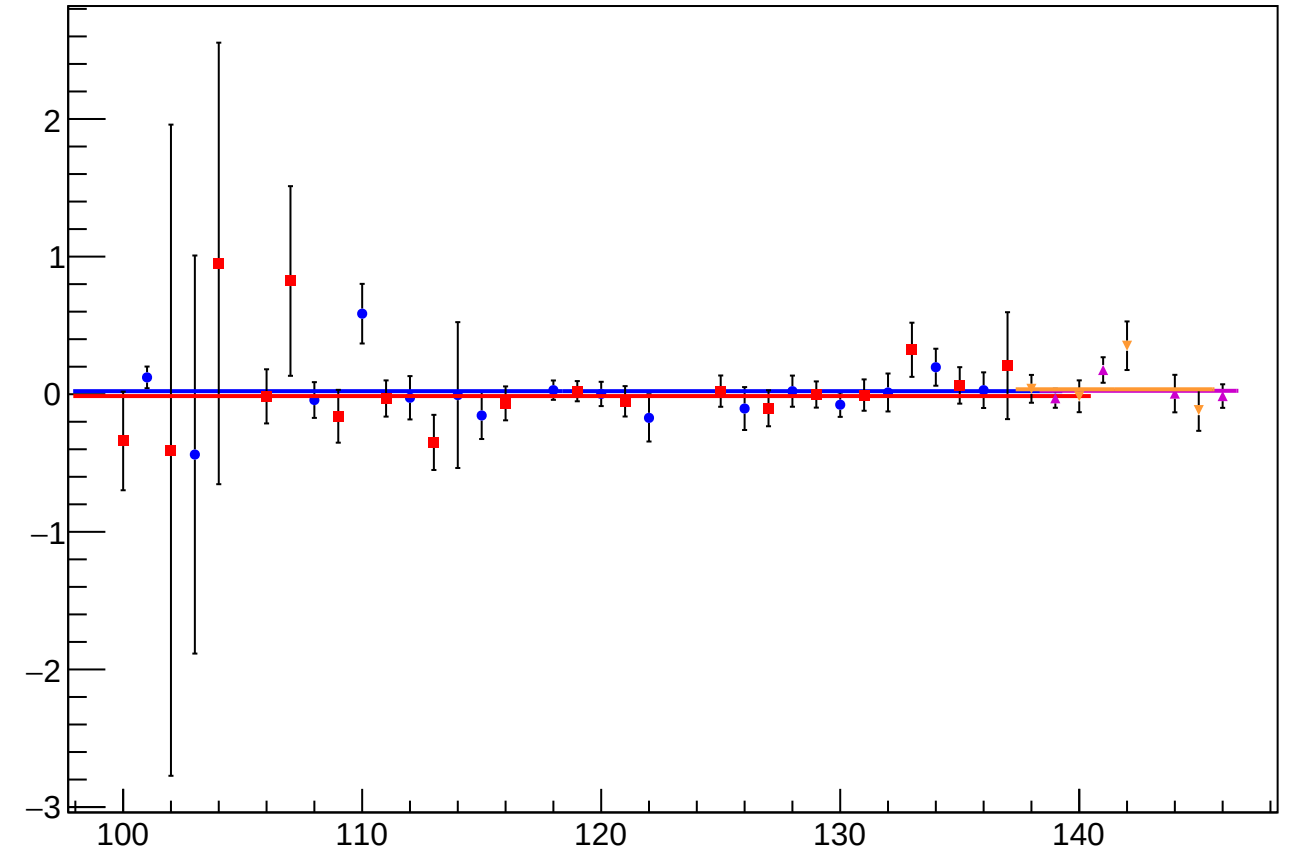
Left: 0.000+/-0.000 χ^2/NDF: 685002.6/8

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2528883.1/19

Out: 0.000+/-0.000 χ^2/NDF:2765466.4/23

All: 0.000+/-0.000 χ^2/NDF: 5301038.4/43



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.036+/-0.063 χ^2/NDF:4.4/3

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.025+/-0.044 χ^2/NDF:3.5/3

Left: 0.028+/-0.036 χ^2/NDF: 7.9/7

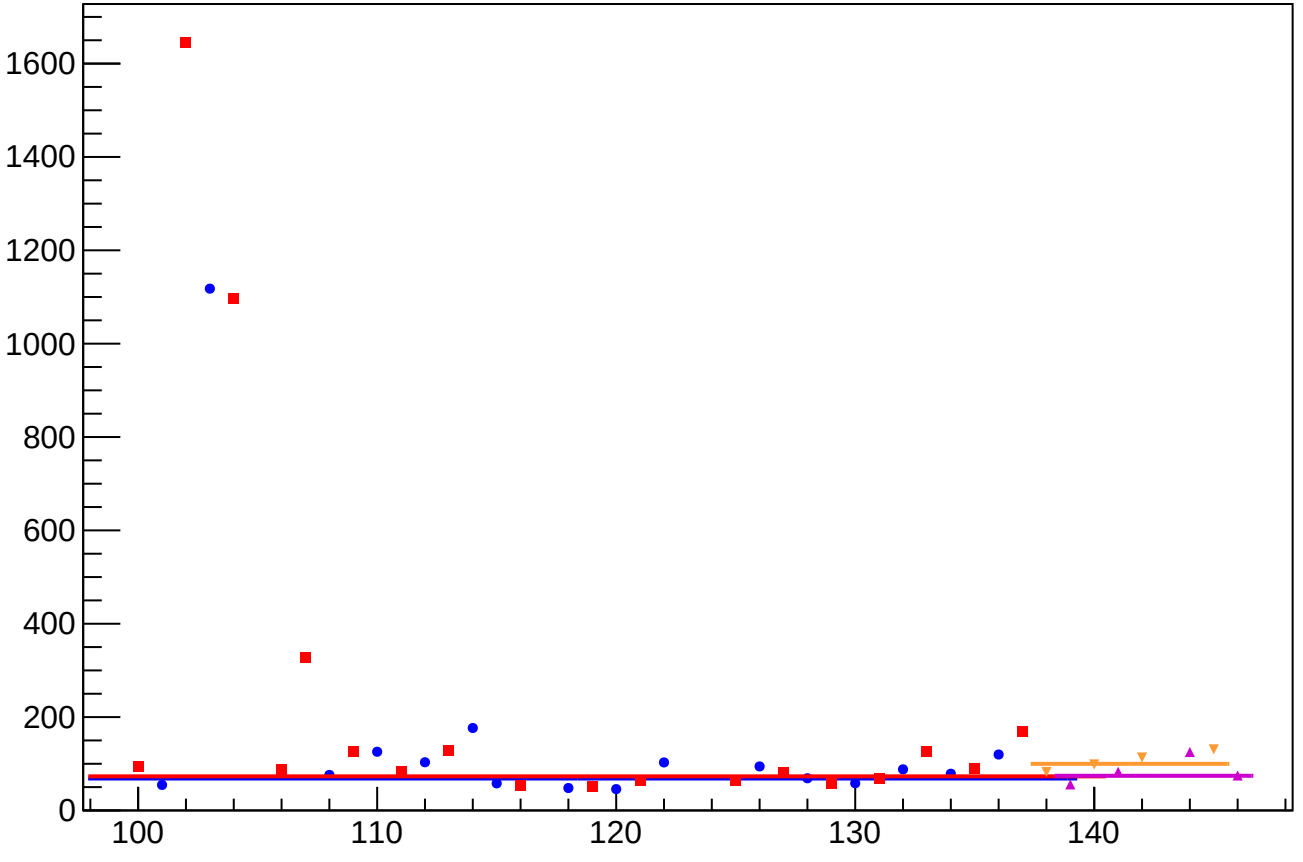
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.023+/-0.025 χ^2/NDF:18.3/19

Out: -0.003+/-0.030 χ^2/NDF:15.7/21

All: 0.012+/-0.019 χ^2/NDF: 34.5/41

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 99.872+/-0.045 χ^2/NDF:155714.4/3

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 74.253+/-0.031 χ^2/NDF:439598.8/3

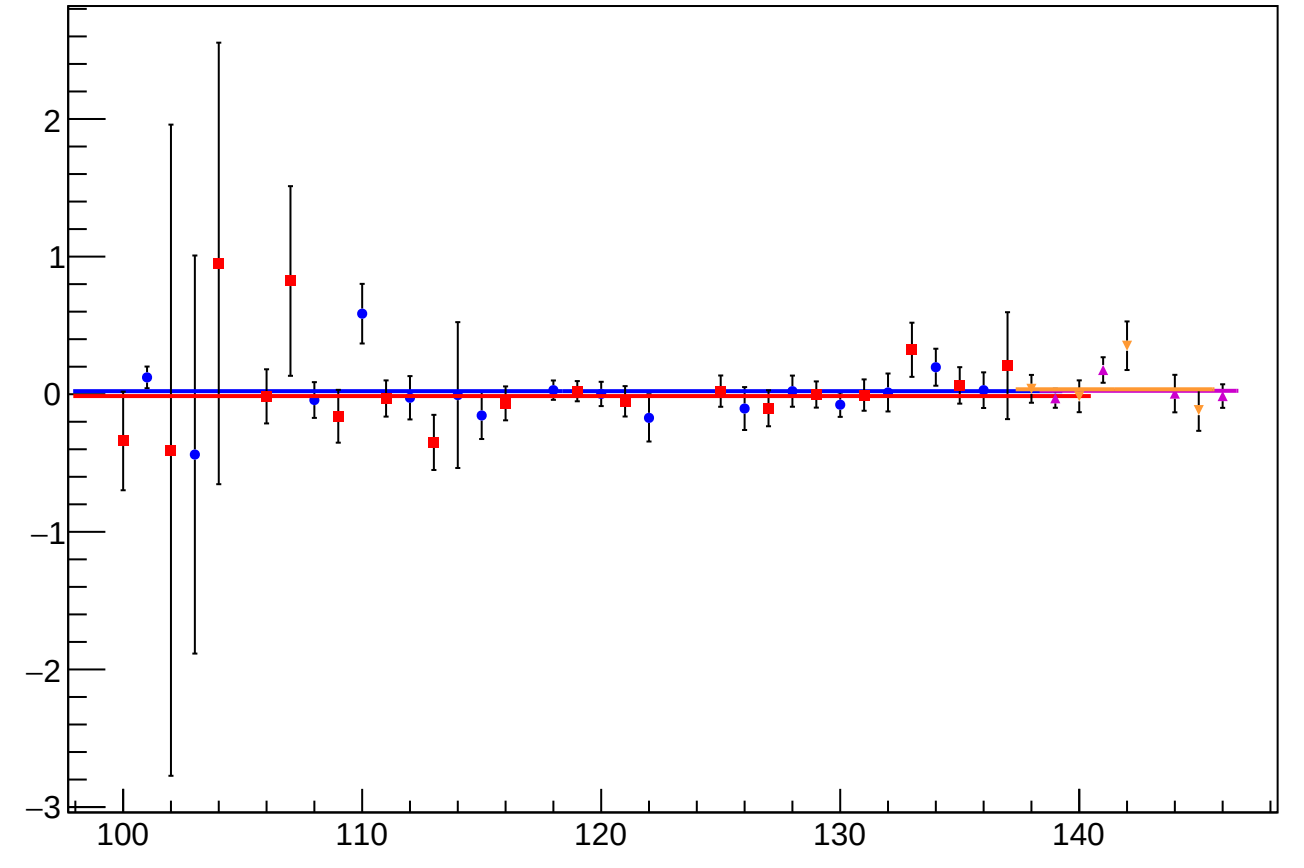
Left: 82.594+/-0.026 χ^2/NDF: 815408.7/7

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 70.286+/-0.018 χ^2/NDF:2741469.5/19

Out: 78.912+/-0.021 χ^2/NDF:3348161.9/21

All: 73.857+/-0.013 χ^2/NDF: 6189133.1/41



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.036+/-0.063 χ^2/NDF:4.4/3

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.025+/-0.044 χ^2/NDF:3.5/3

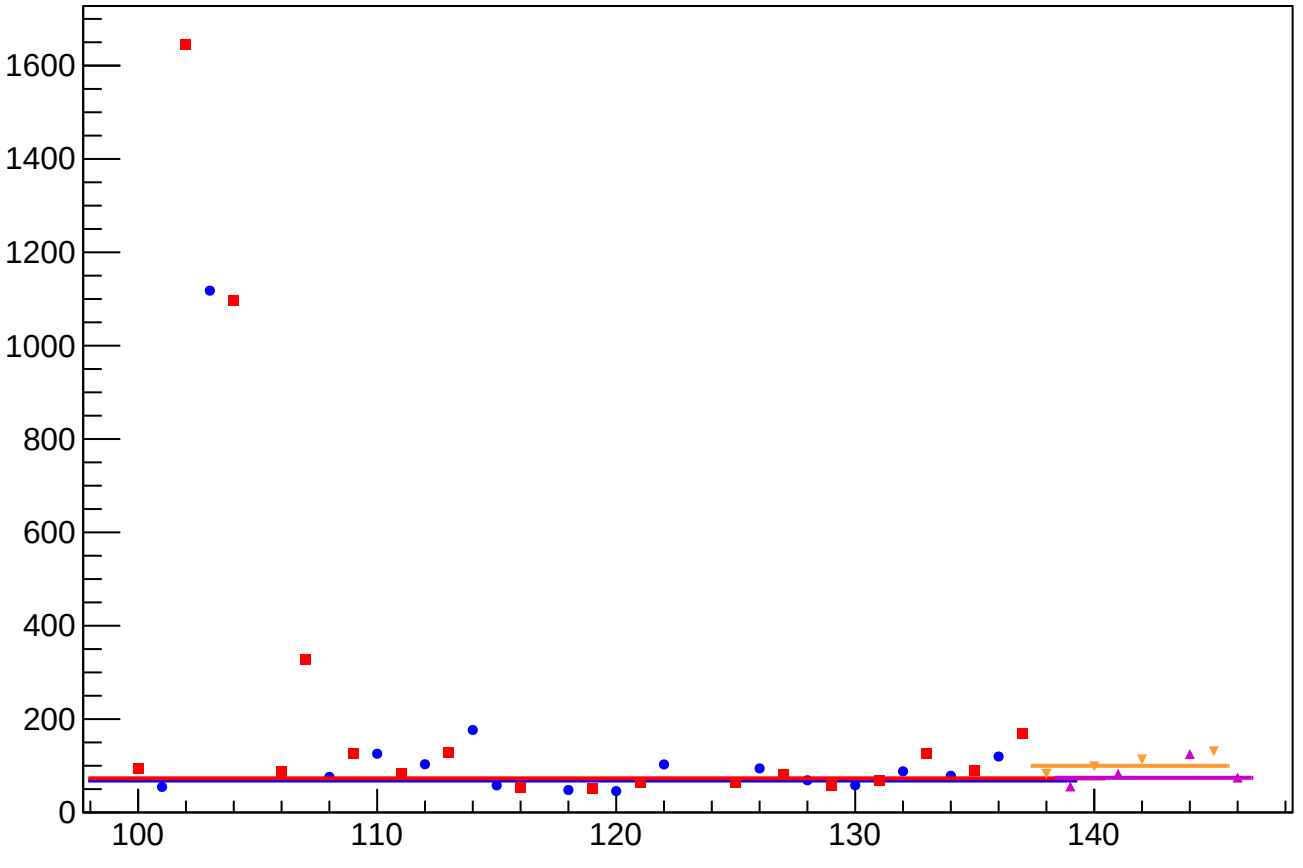
Left: 0.028+/-0.036 χ^2/NDF: 7.9/7

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.023+/-0.025 χ^2/NDF:18.3/19

Out: -0.003+/-0.030 χ^2/NDF:15.7/21

All: 0.012+/-0.019 χ^2/NDF: 34.5/41



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 99.872+/-0.045 χ^2/NDF:155714.4/3

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 74.253+/-0.031 χ^2/NDF:439598.8/3

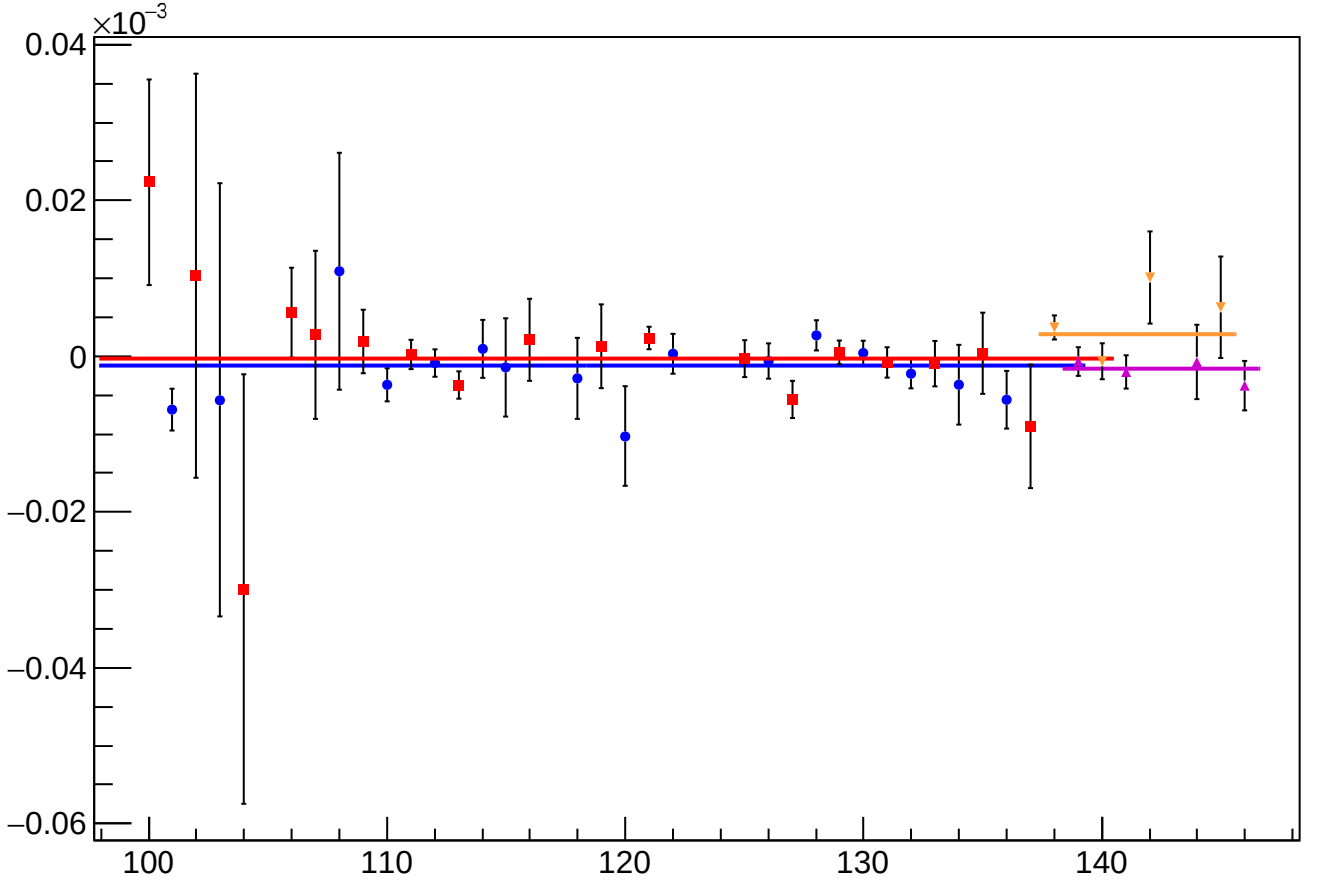
Left: 82.594+/-0.026 χ^2/NDF: 815408.7/7

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 70.286+/-0.018 χ^2/NDF:2741469.5/19

Out: 78.912+/-0.021 χ^2/NDF:3348161.9/21

All: 73.857+/-0.013 χ^2/NDF: 6189133.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.8/3

Left: 0.000+/-0.000 χ^2/NDF: 11.6/7

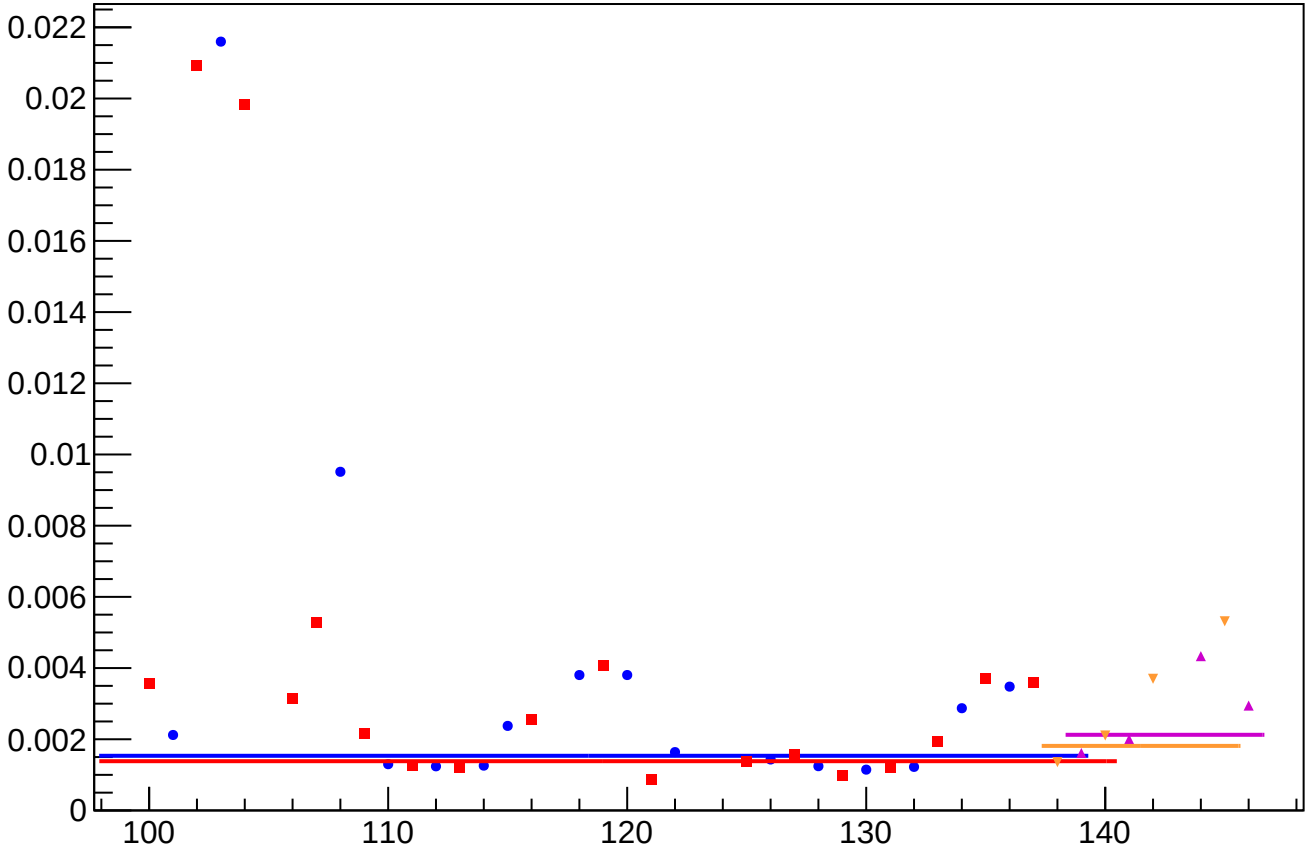
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:17.2/19

Out: 0.000+/-0.000 χ^2/NDF:29.0/21

All: -0.000+/-0.000 χ^2/NDF: 50.3/41

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:994213.6/3

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:728391.1/3

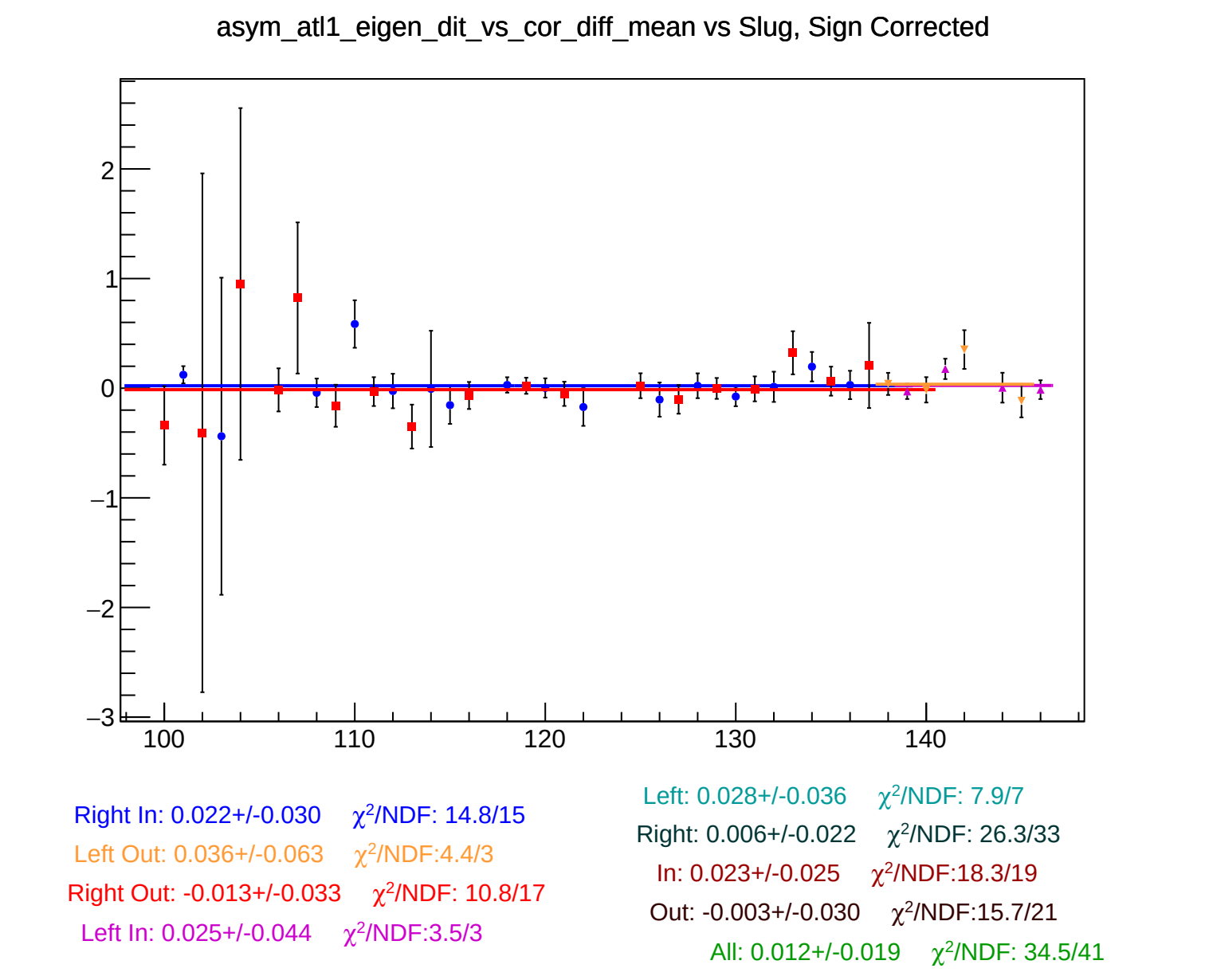
Left: 0.002+/-0.000 χ^2/NDF: 1786879.3/7

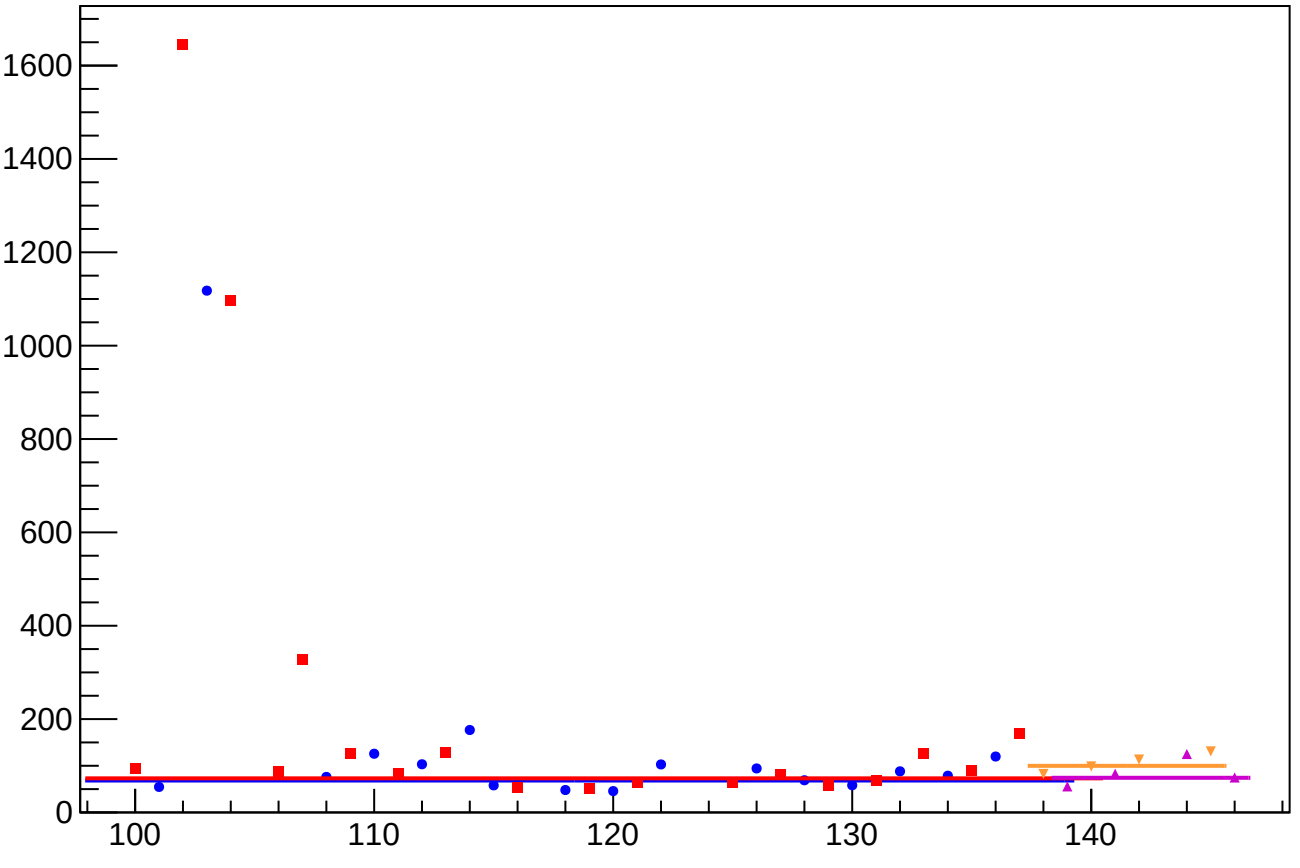
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:4458248.8/19

Out: 0.001+/-0.000 χ^2/NDF:5456908.8/21

All: 0.002+/-0.000 χ^2/NDF: 10030658.1/41


asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
Right In: 0.022+/-0.030 χ²/NDF: 14.8/15
Left Out: 0.036+/-0.063 χ²/NDF:4.4/3
Right Out: -0.013+/-0.033 χ²/NDF: 10.8/17
Left In: 0.025+/-0.044 χ²/NDF:3.5/3
Left: 0.028+/-0.036 χ²/NDF: 7.9/7
Right: 0.006+/-0.022 χ²/NDF: 26.3/33
In: 0.023+/-0.025 χ²/NDF:18.3/19
Out: -0.003+/-0.030 χ²/NDF:15.7/21
All: 0.012+/-0.019 χ²/NDF: 34.5/41



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 99.872+/-0.045 χ^2/NDF:155706.1/3

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 74.253+/-0.031 χ^2/NDF:439597.5/3

Left: 82.594+/-0.026 χ^2/NDF: 815393.4/7

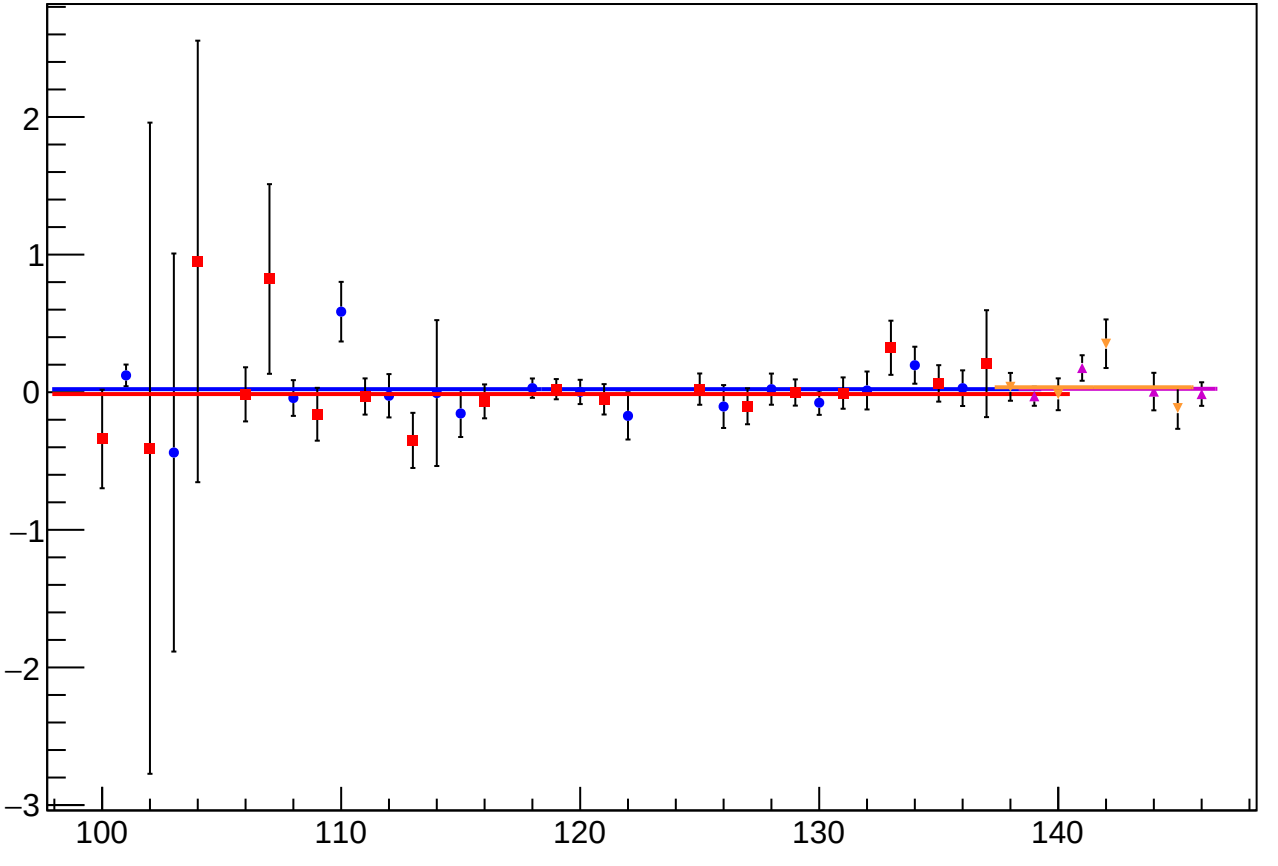
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 70.285+/-0.018 χ^2/NDF:2741562.1/19

Out: 78.912+/-0.021 χ^2/NDF:3348175.6/21

All: 73.857+/-0.013 χ^2/NDF: 6189243.6/41

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: 0.036+/-0.063 χ^2/NDF:4.4/3

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.025+/-0.044 χ^2/NDF:3.5/3

Left: 0.028+/-0.036 χ^2/NDF: 7.9/7

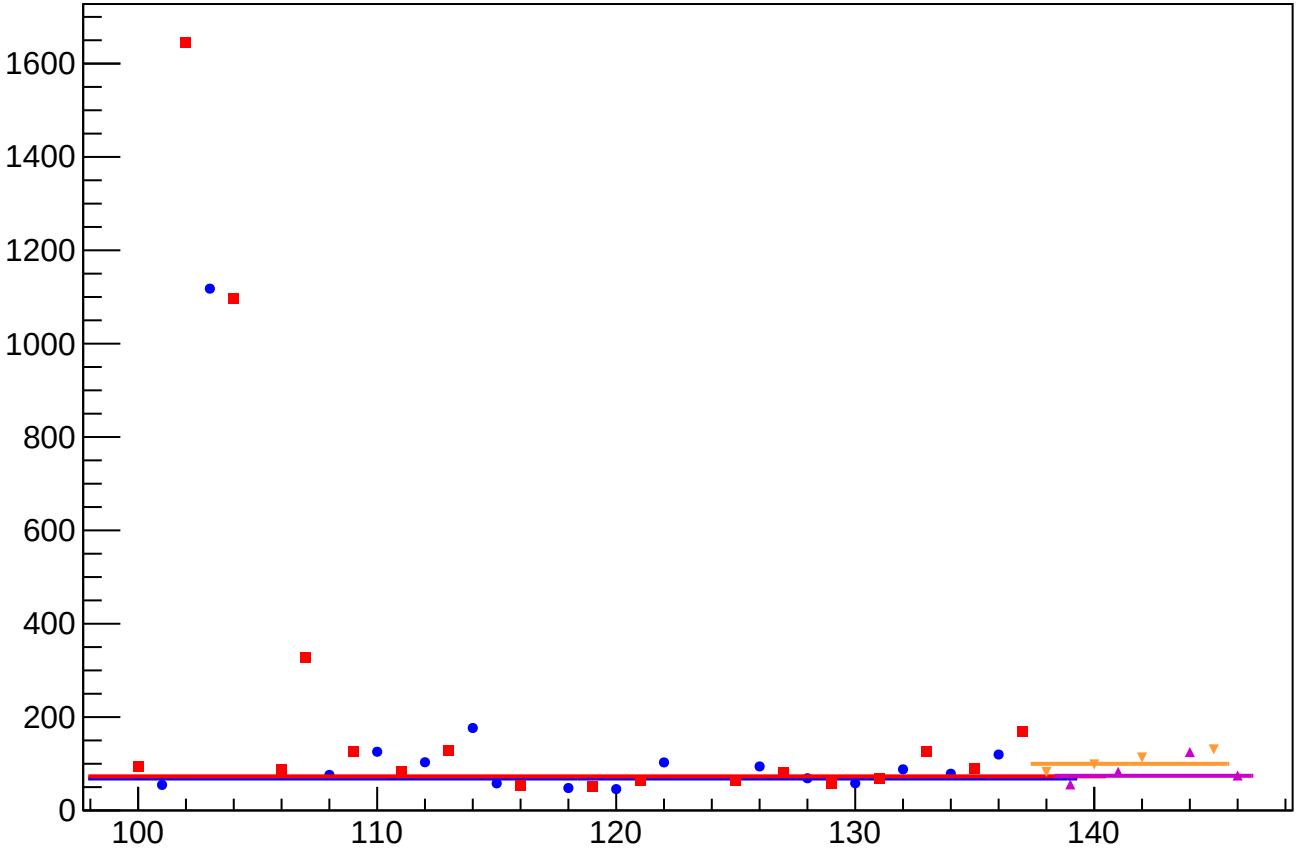
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.023+/-0.025 χ^2/NDF:18.3/19

Out: -0.003+/-0.030 χ^2/NDF:15.7/21

All: 0.012+/-0.019 χ^2/NDF: 34.5/41

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: 99.872+/-0.045 χ^2/NDF:155706.1/3

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 74.253+/-0.031 χ^2/NDF:439597.5/3

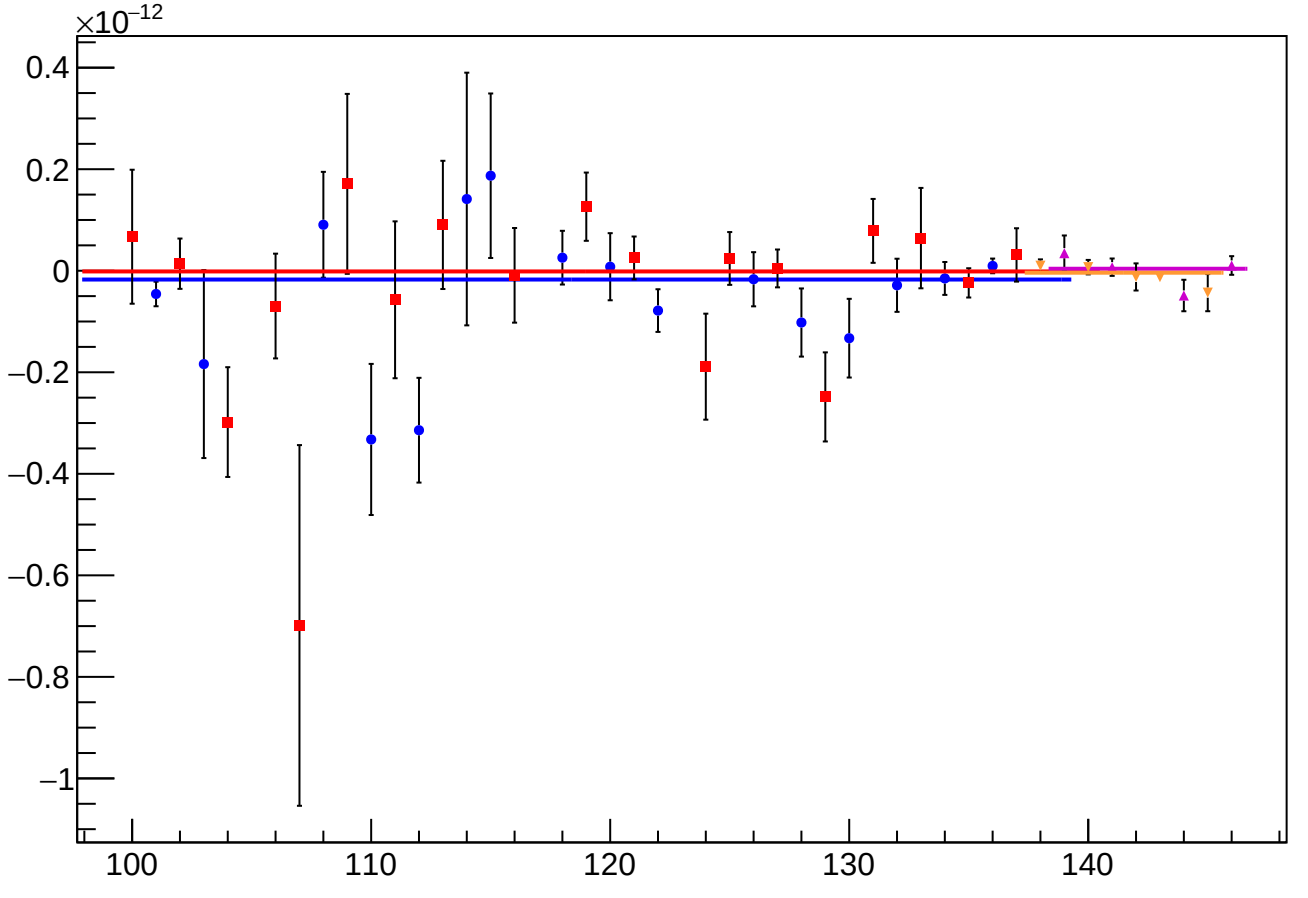
Left: 82.594+/-0.026 χ^2/NDF: 815393.4/7

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 70.285+/-0.018 χ^2/NDF:2741562.1/19

Out: 78.912+/-0.021 χ^2/NDF:3348175.6/21

All: 73.857+/-0.013 χ^2/NDF: 6189243.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/3

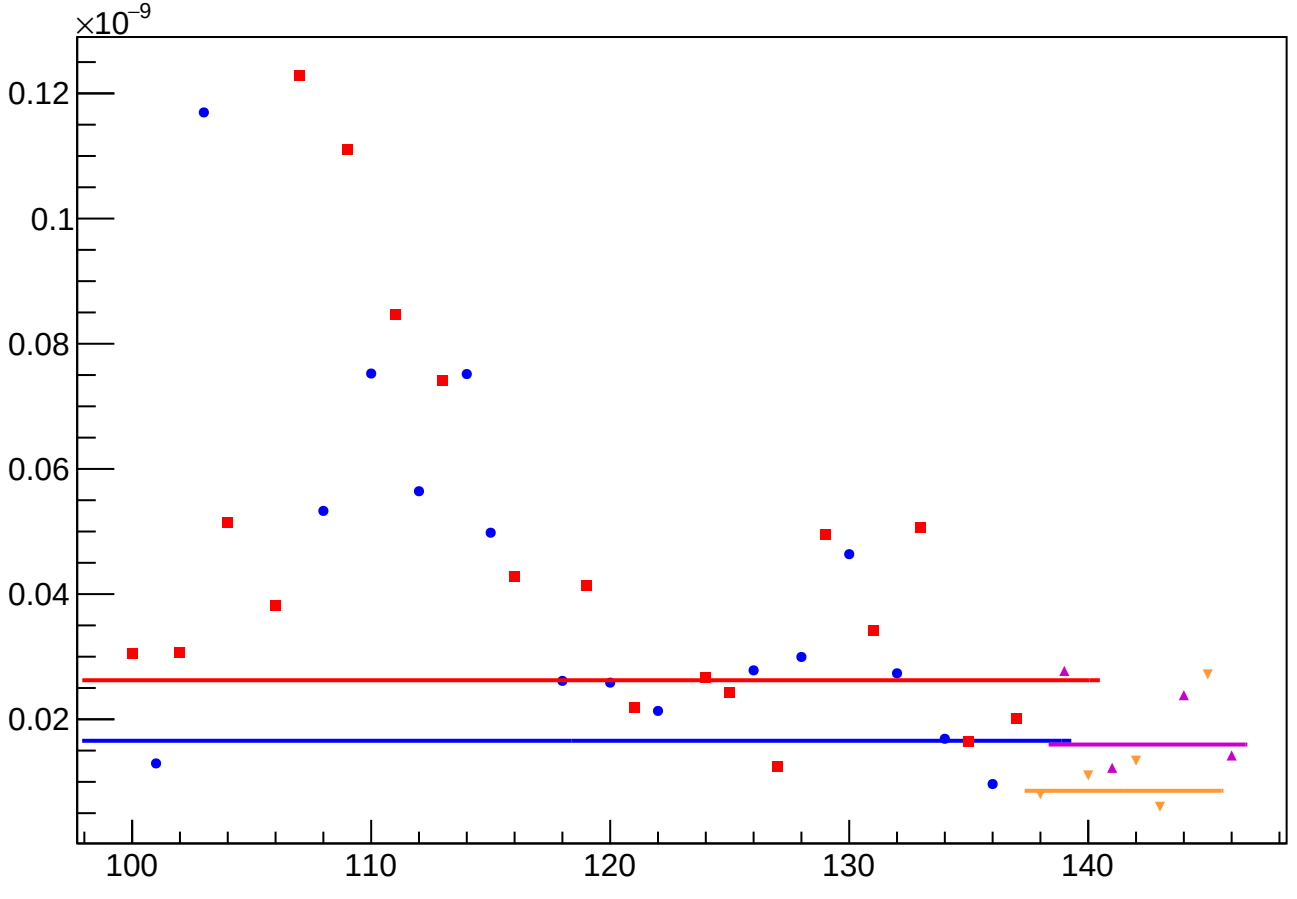
Left: -0.000+/-0.000 χ^2/NDF: 8.1/8

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:34.1/19

Out: -0.000+/-0.000 χ^2/NDF:36.2/23

All: -0.000+/-0.000 χ^2/NDF: 70.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:793931.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:470072.9/3

Left: 0.000+/-0.000 χ^2/NDF: 1940537.8/8

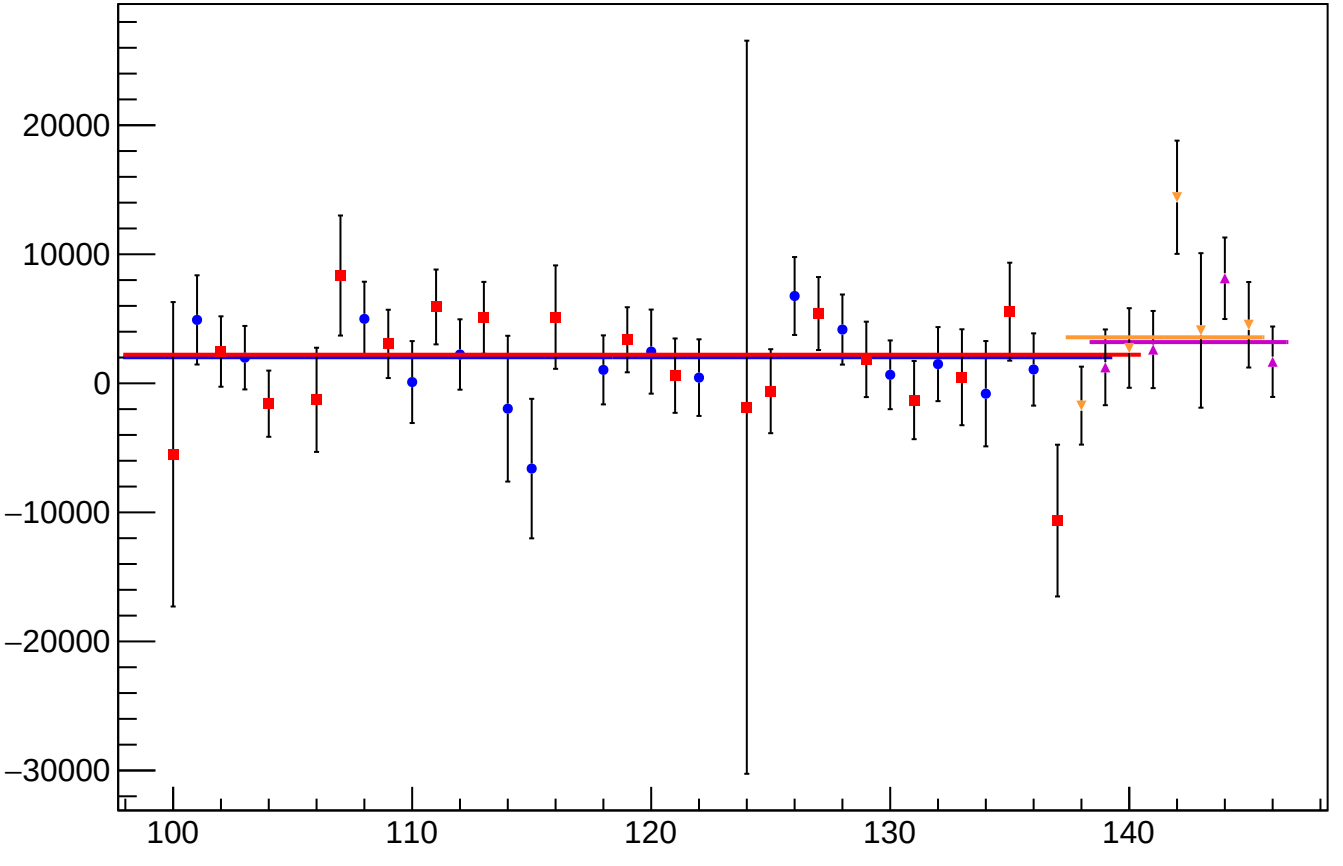
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3296778.1/19

Out: 0.000+/-0.000 χ^2/NDF:5702830.6/23

All: 0.000+/-0.000 χ^2/NDF: 9522728.9/43

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3565.790+/-1610.123 χ^2/NDF:9.4/4

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 3194.912+/-1470.622 χ^2/NDF:3.2/3

Left: 3363.592+/-1085.862 χ^2/NDF: 12.6/8

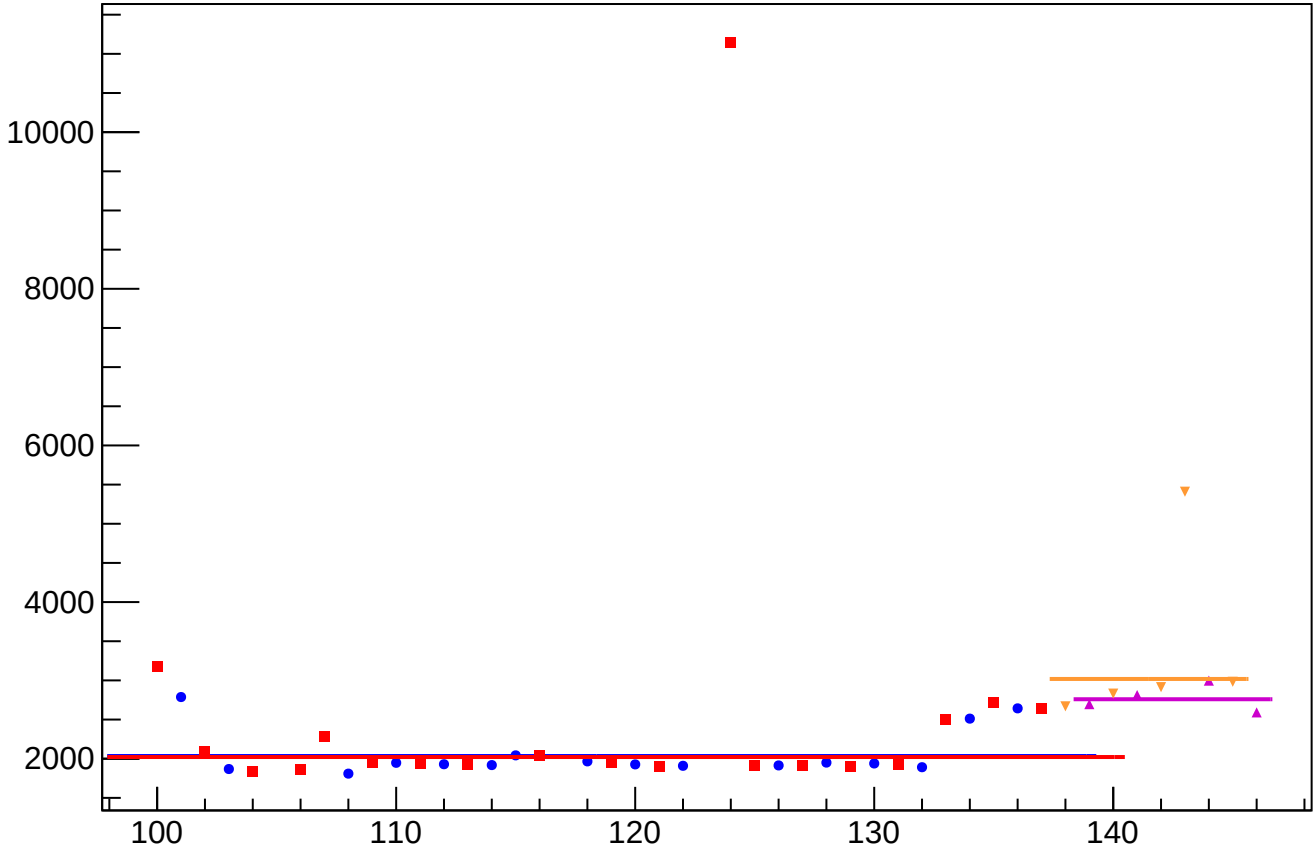
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2272.005+/-678.219 χ^2/NDF:13.3/19

Out: 2460.927+/-684.425 χ^2/NDF:28.1/23

All: 2365.605+/-481.753 χ^2/NDF: 41.5/43

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 3018.367+/-1.139 χ^2/NDF:354436.1/4

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

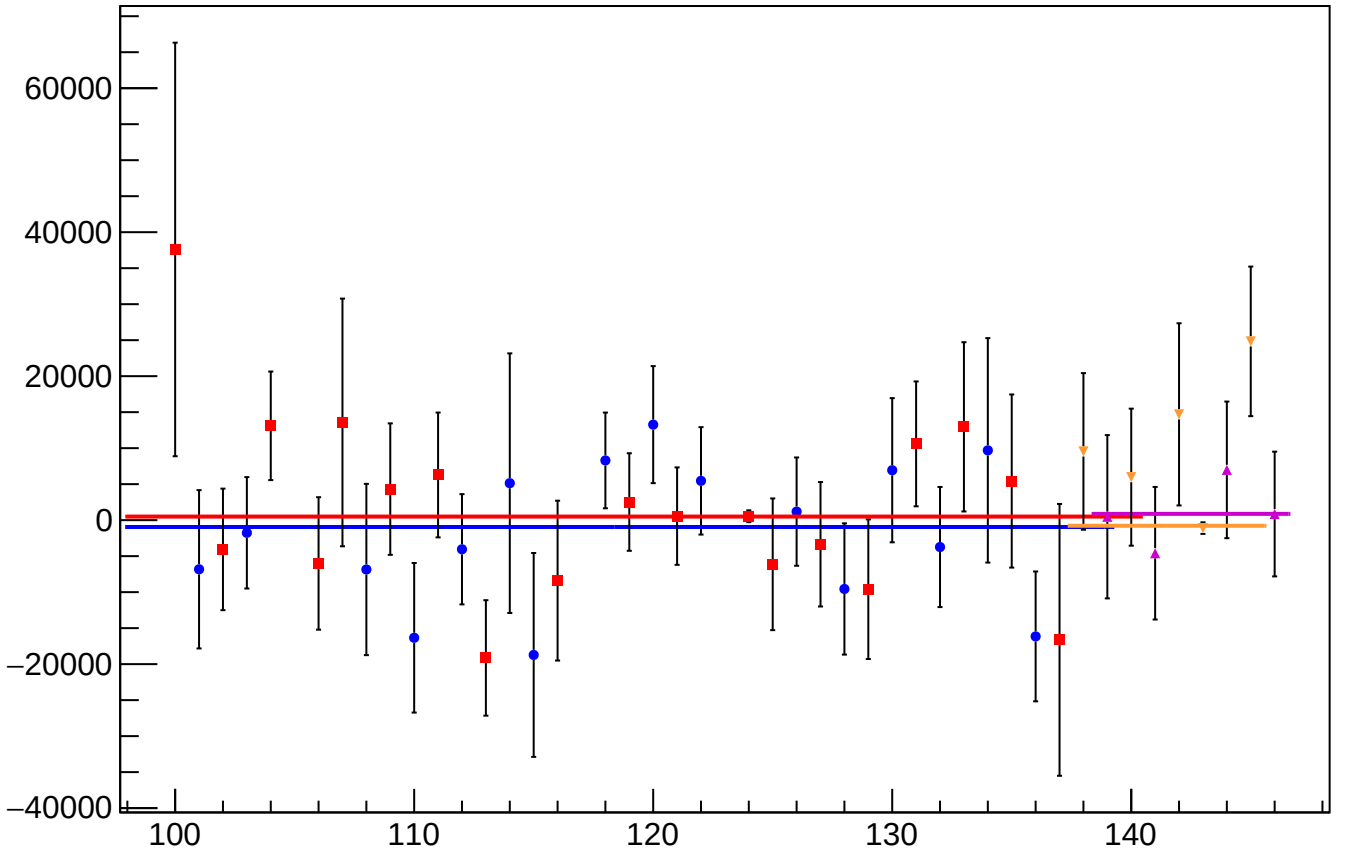
Left: 2877.180+/-0.768 χ^2/NDF: 403058.8/8

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2188.407+/-0.480 χ^2/NDF:666322.1/19

Out: 2201.660+/-0.484 χ^2/NDF:1372809.6/23

All: 2194.973+/-0.341 χ^2/NDF: 2039510.1/43



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -780.276+/-798.102 χ^2/NDF:9.1/4

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 871.797+/-4767.472 χ^2/NDF:0.8/3

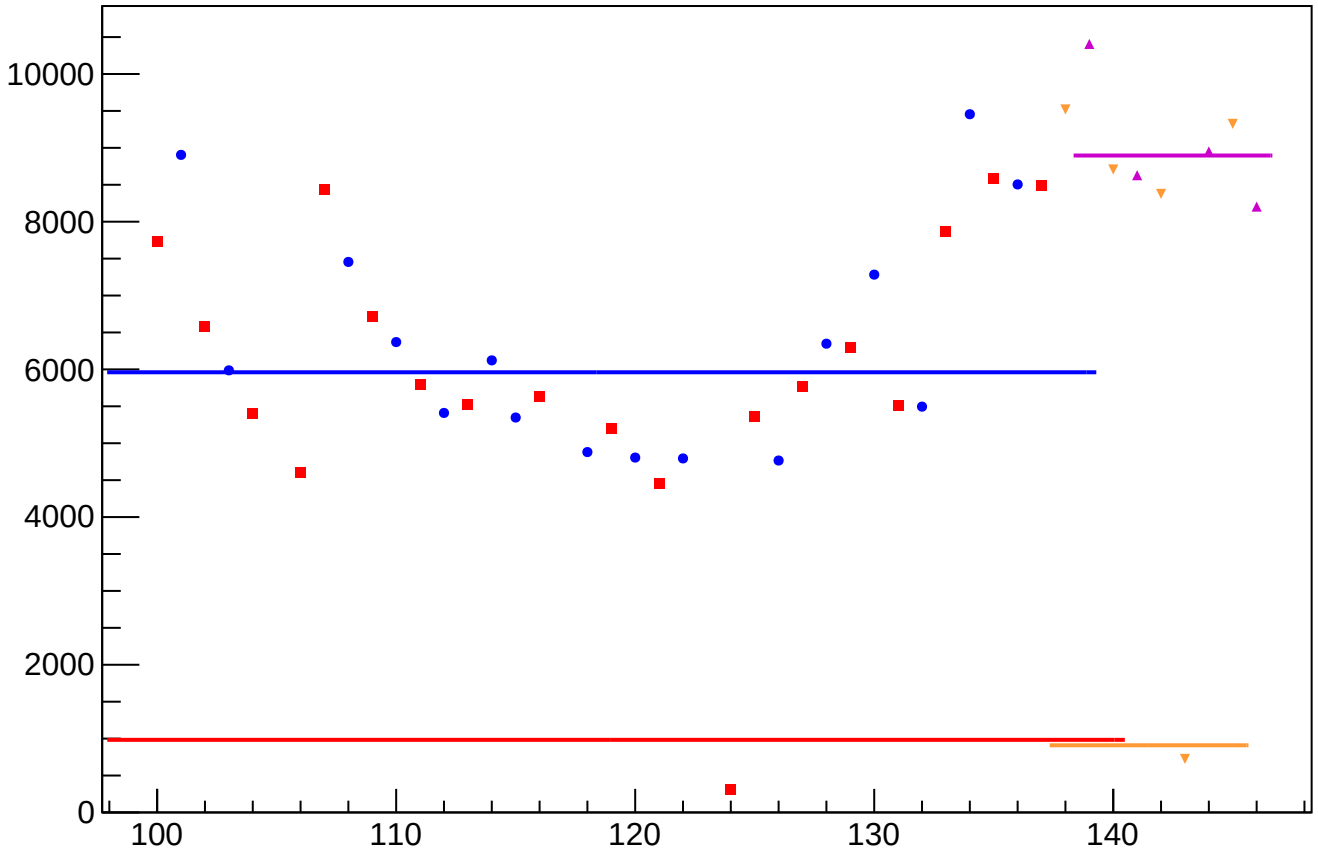
Left: -735.240+/-787.148 χ^2/NDF: 10.0/8

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -611.667+/-2055.804 χ^2/NDF:16.2/19

Out: -117.155+/-553.501 χ^2/NDF:28.9/23

All: -150.579+/-534.468 χ^2/NDF: 45.2/43



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 909.649+/-0.564 χ^2/NDF:4709266.9/4

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8896.149+/-3.371 χ^2/NDF:50009.5/3

Left: 1127.367+/-0.557 χ^2/NDF: 10218904.7/8

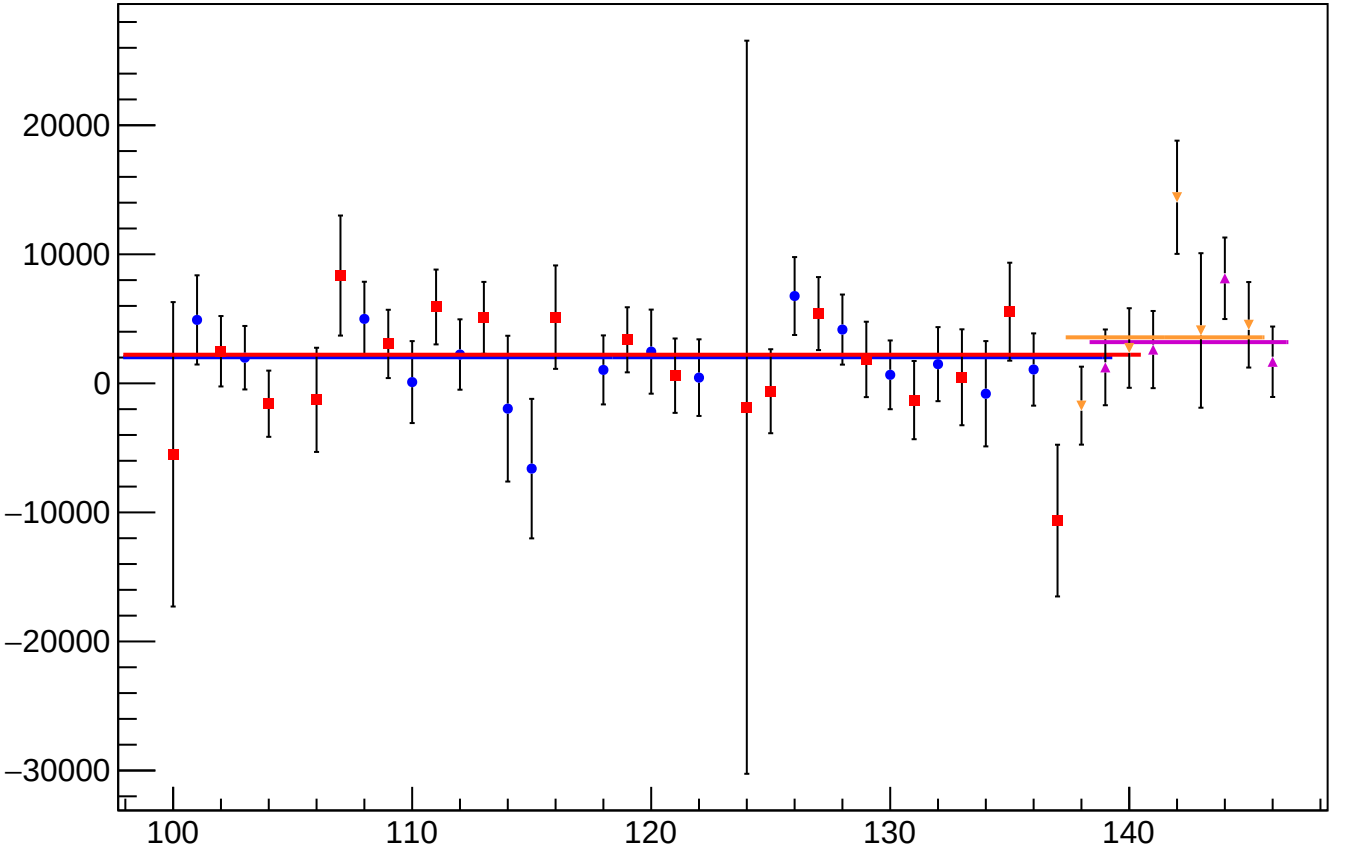
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6506.618+/-1.454 χ^2/NDF:1356476.9/19

Out: 947.885+/-0.391 χ^2/NDF:16134800.7/23

All: 1323.598+/-0.378 χ^2/NDF: 31125344.2/4

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3566.087+/-1610.123 χ^2/NDF:9.4/4

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3195.013+/-1470.622 χ^2/NDF:3.2/3

Left: 3363.782+/-1085.862 χ^2/NDF: 12.6/8

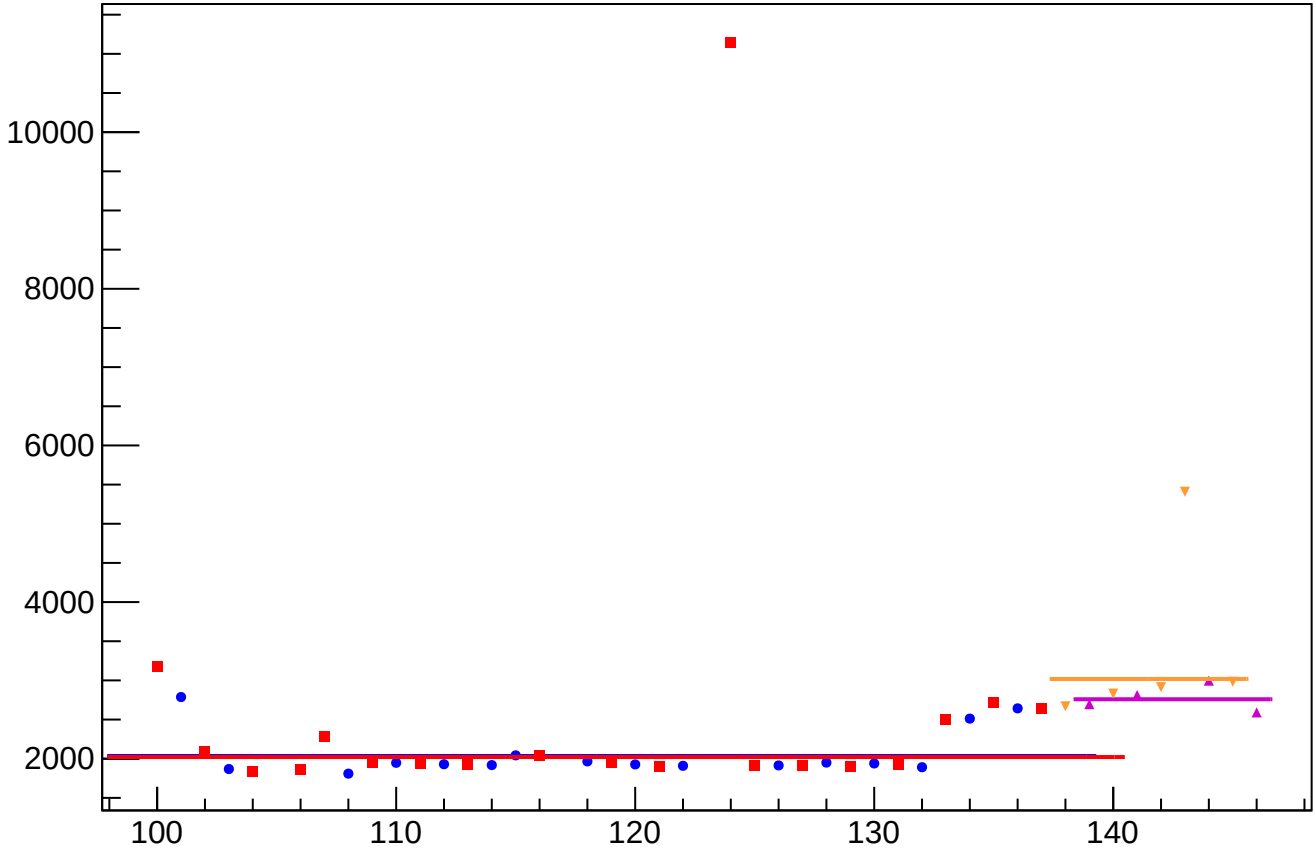
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2272.126+/-678.219 χ^2/NDF:13.4/19

Out: 2462.490+/-684.431 χ^2/NDF:28.1/23

All: 2366.440+/-481.755 χ^2/NDF: 41.5/43

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 3018.367+/-1.139 χ^2/NDF:354436.1/4

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

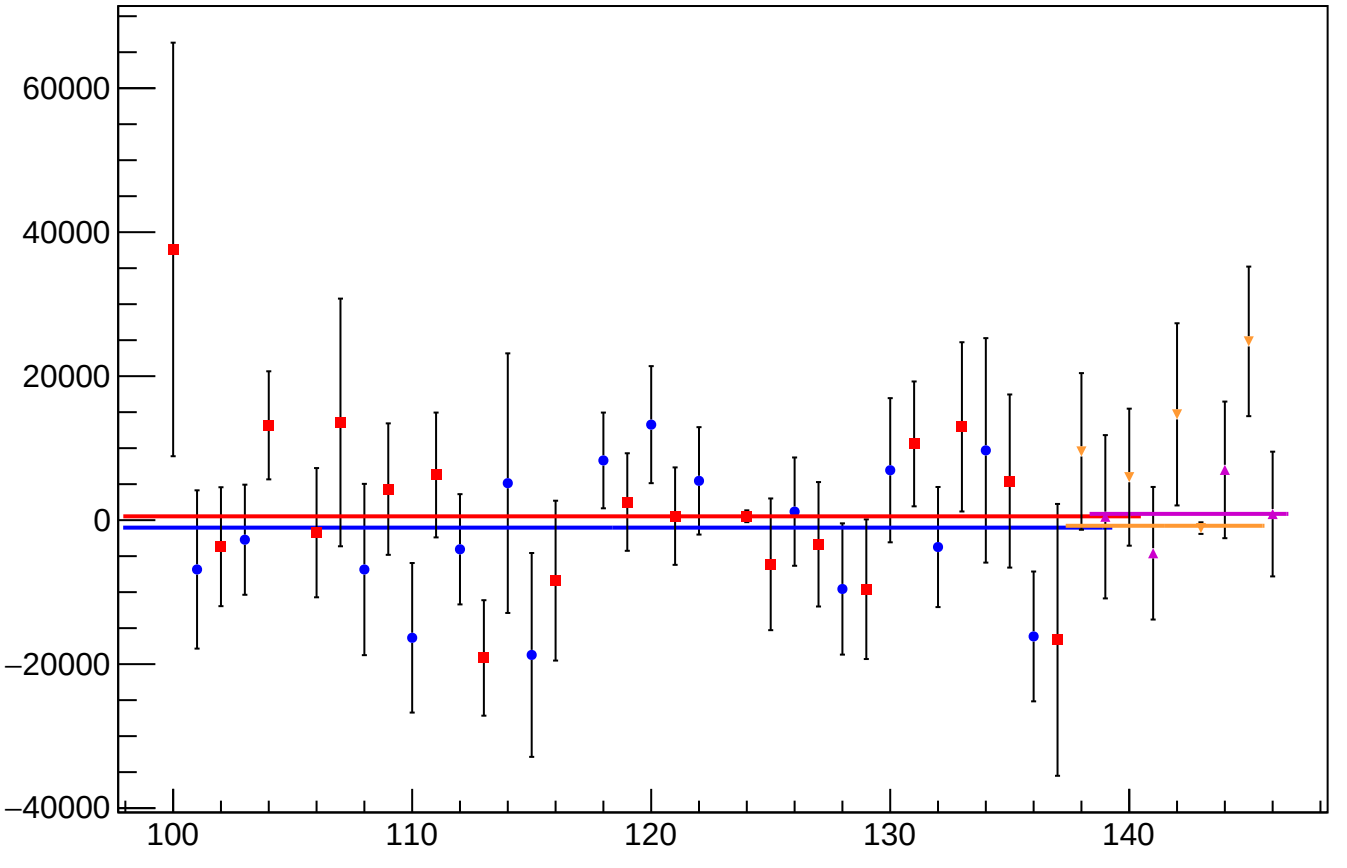
Left: 2877.180+/-0.768 χ^2/NDF: 403058.8/8

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2188.407+/-0.480 χ^2/NDF:666322.0/19

Out: 2201.681+/-0.484 χ^2/NDF:1372791.9/23

All: 2194.983+/-0.341 χ^2/NDF: 2039493.6/43



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -780.075+/-798.026 χ^2/NDF:9.1/4

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 871.806+/-4767.466 χ^2/NDF:0.8/3

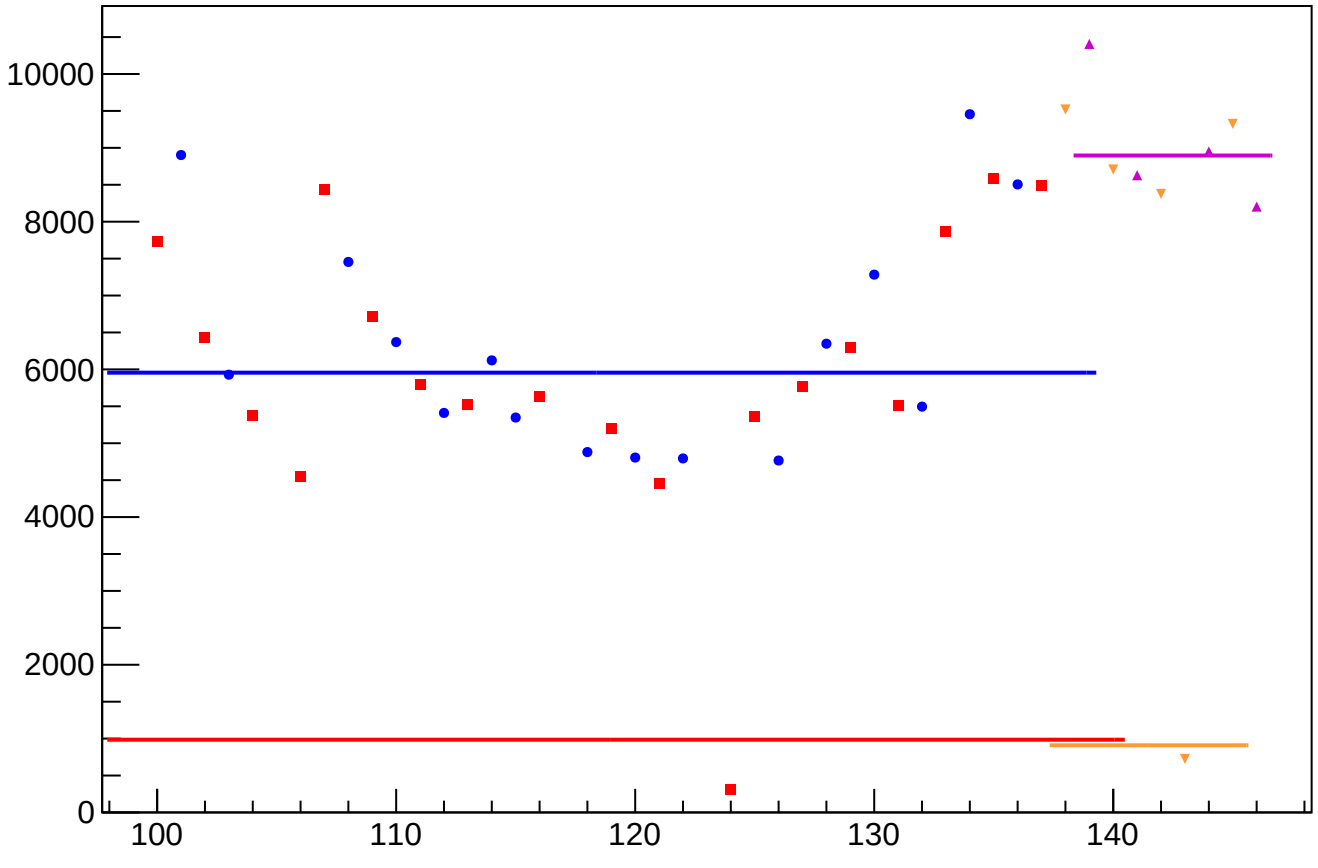
Left: -735.052+/-787.076 χ^2/NDF: 10.0/8

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -683.428+/-2054.076 χ^2/NDF:16.3/19

Out: -99.539+/-553.349 χ^2/NDF:28.6/23

All: -139.046+/-534.301 χ^2/NDF: 44.9/43



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 909.548+/-0.564 χ^2/NDF:4709365.0/4

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8896.137+/-3.371 χ^2/NDF:50010.0/3

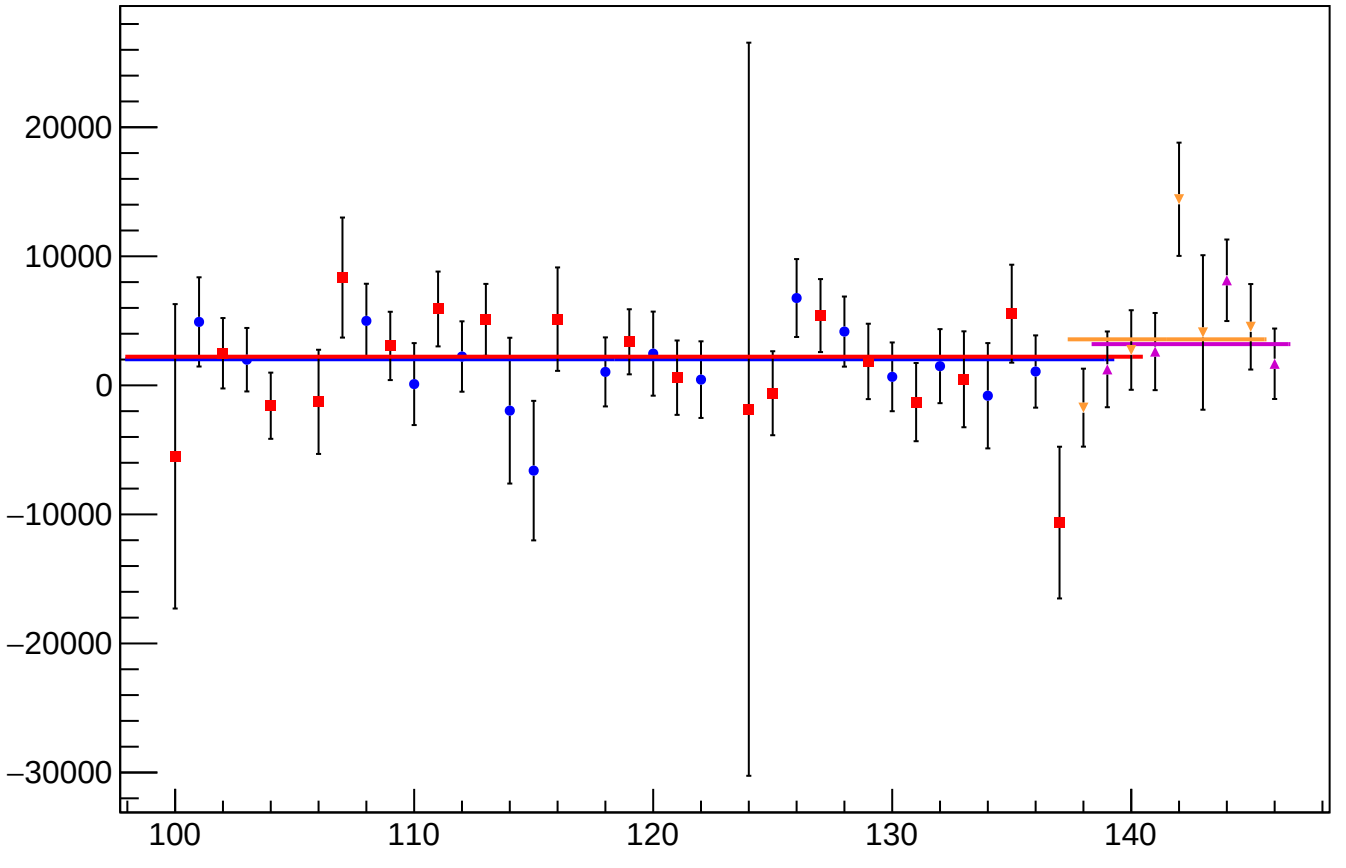
Left: 1127.228+/-0.557 χ^2/NDF: 10219168.3/8

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6501.495+/-1.452 χ^2/NDF:1358758.7/19

Out: 948.746+/-0.391 χ^2/NDF:16131501.8/23

All: 1324.451+/-0.378 χ^2/NDF: 31116844.9/4



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 3566.087+/-1610.123 χ^2/NDF:9.4/4

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3195.013+/-1470.622 χ^2/NDF:3.2/3

Left: 3363.782+/-1085.862 χ^2/NDF: 12.6/8

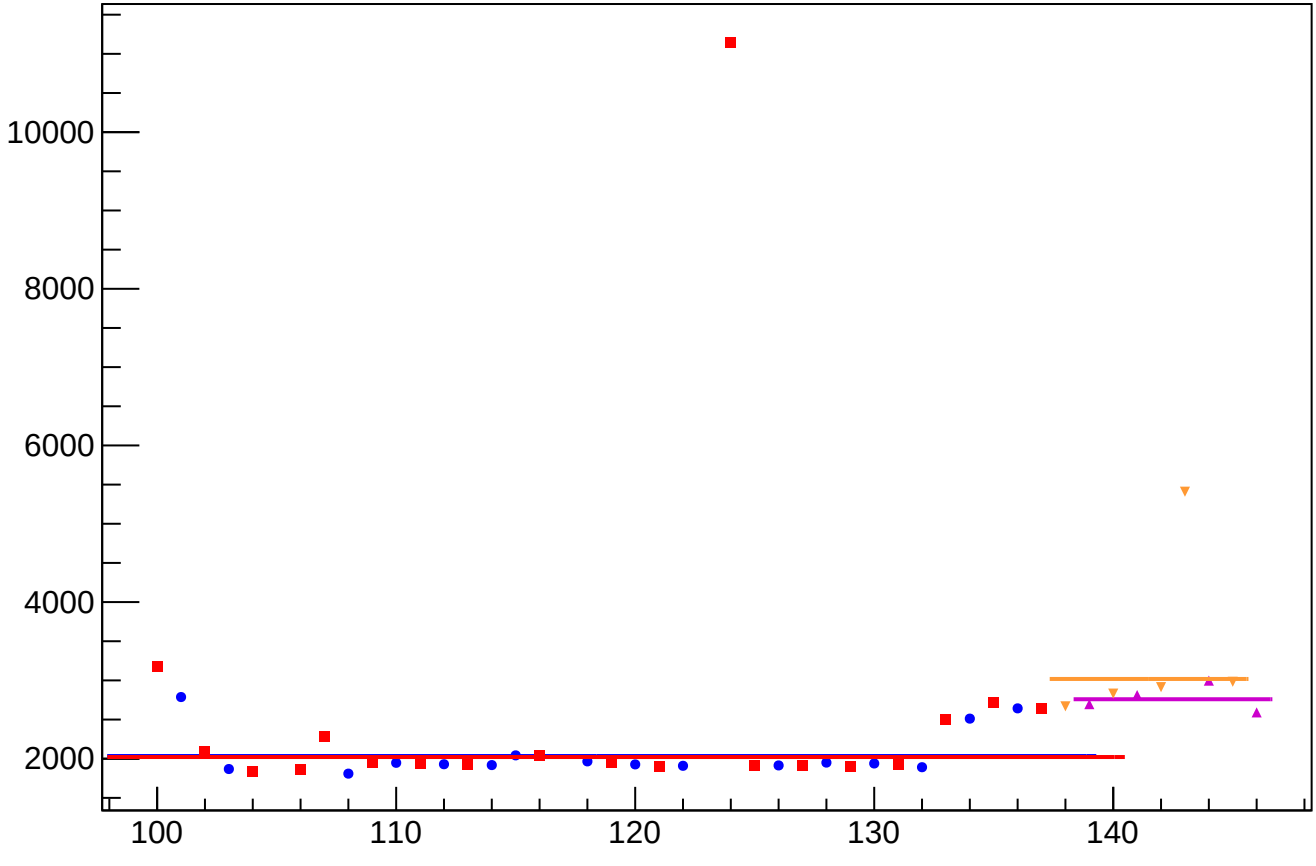
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2272.126+/-678.219 χ^2/NDF:13.4/19

Out: 2462.490+/-684.431 χ^2/NDF:28.1/23

All: 2366.440+/-481.755 χ^2/NDF: 41.5/43

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 3018.367+/-1.139 χ^2/NDF:354436.1/4

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

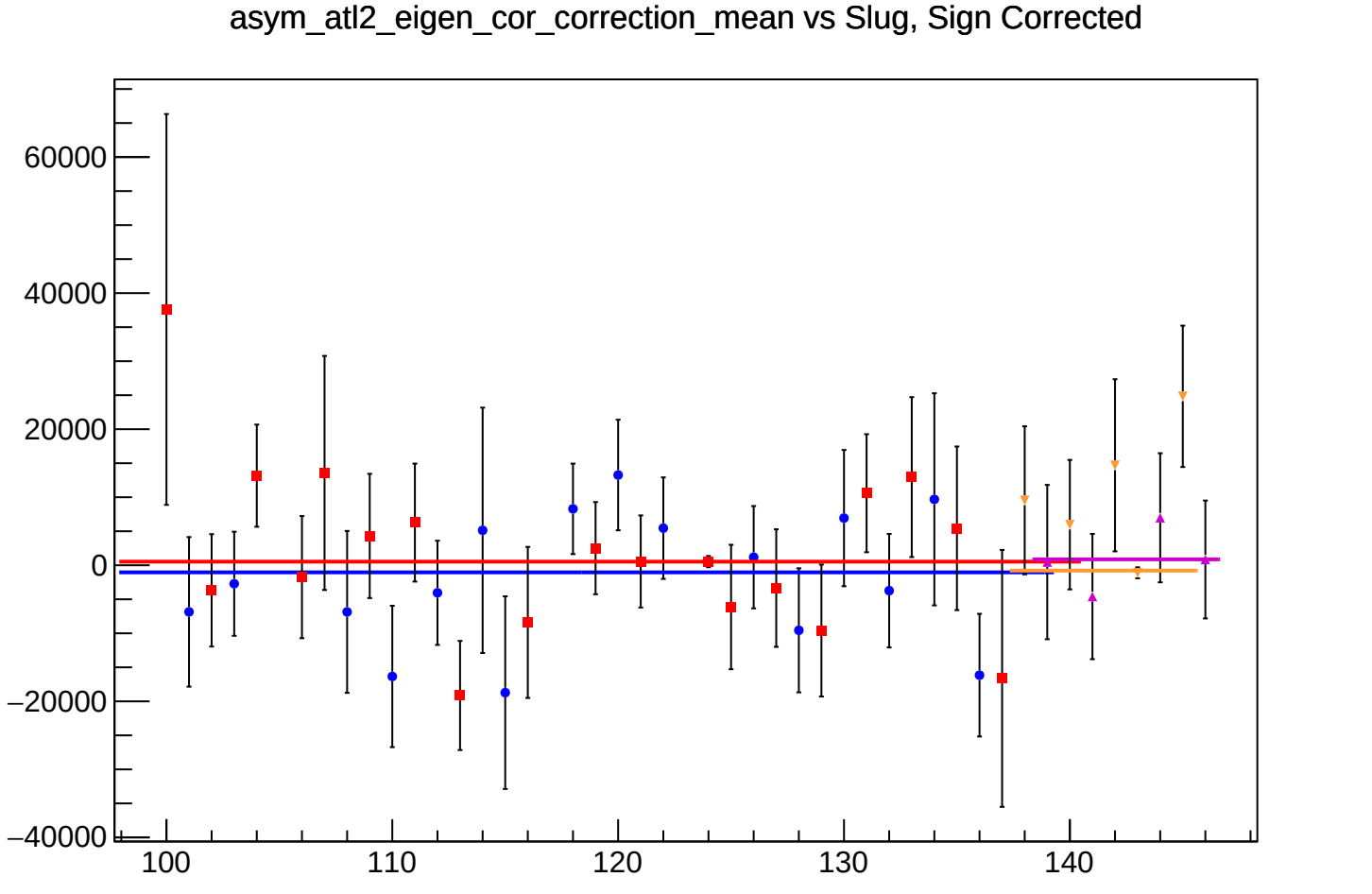
Left: 2877.180+/-0.768 χ^2/NDF: 403058.8/8

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2188.407+/-0.480 χ^2/NDF:666322.0/19

Out: 2201.681+/-0.484 χ^2/NDF:1372791.9/23

All: 2194.983+/-0.341 χ^2/NDF: 2039493.6/43



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -780.075+/-798.026 χ^2/NDF:9.1/4

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 871.806+/-4767.466 χ^2/NDF:0.8/3

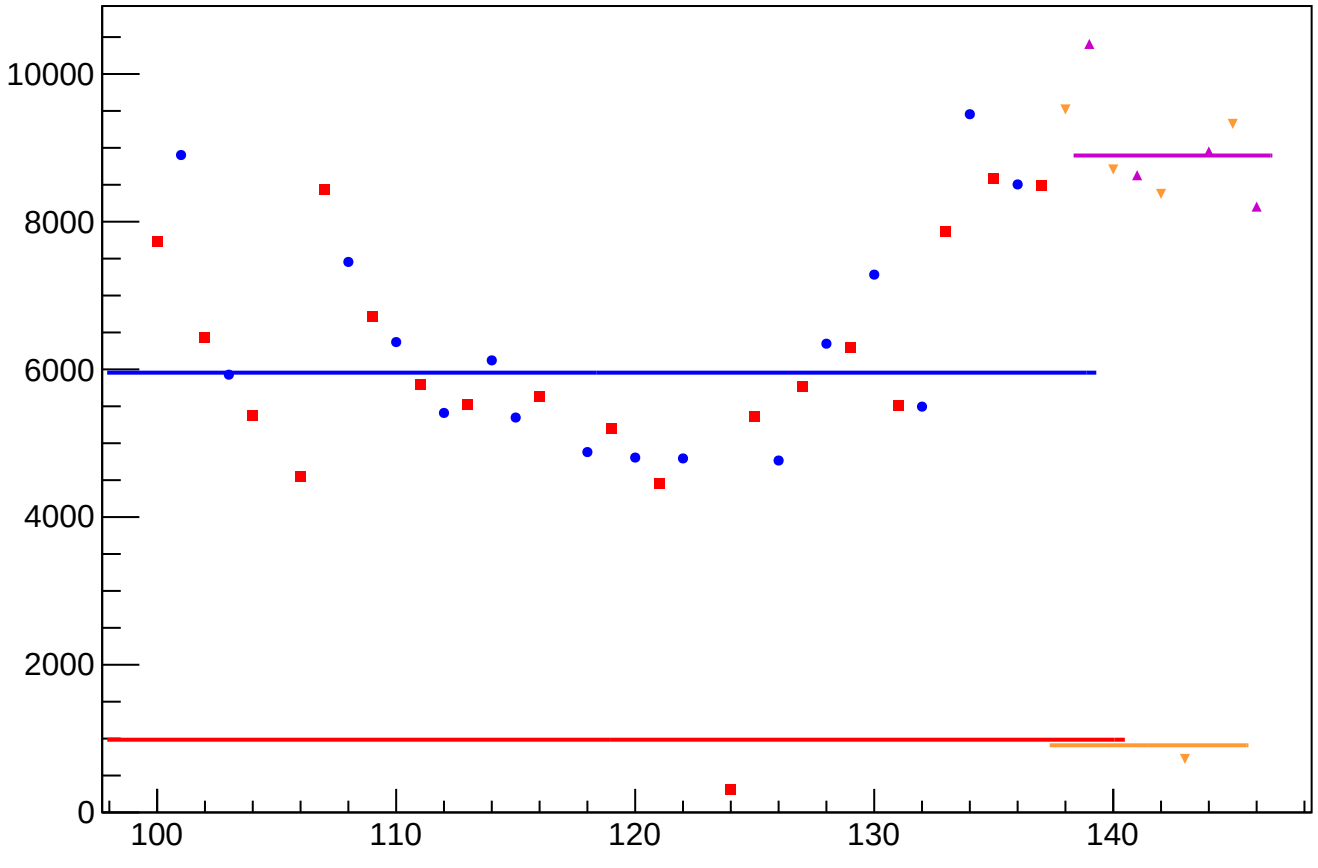
Left: -735.052+/-787.076 χ^2/NDF: 10.0/8

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -683.428+/-2054.076 χ^2/NDF:16.3/19

Out: -99.539+/-553.349 χ^2/NDF:28.6/23

All: -139.046+/-534.301 χ^2/NDF: 44.9/43



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 909.548+/-0.564 χ^2/NDF:4709365.0/4

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8896.137+/-3.371 χ^2/NDF:50010.0/3

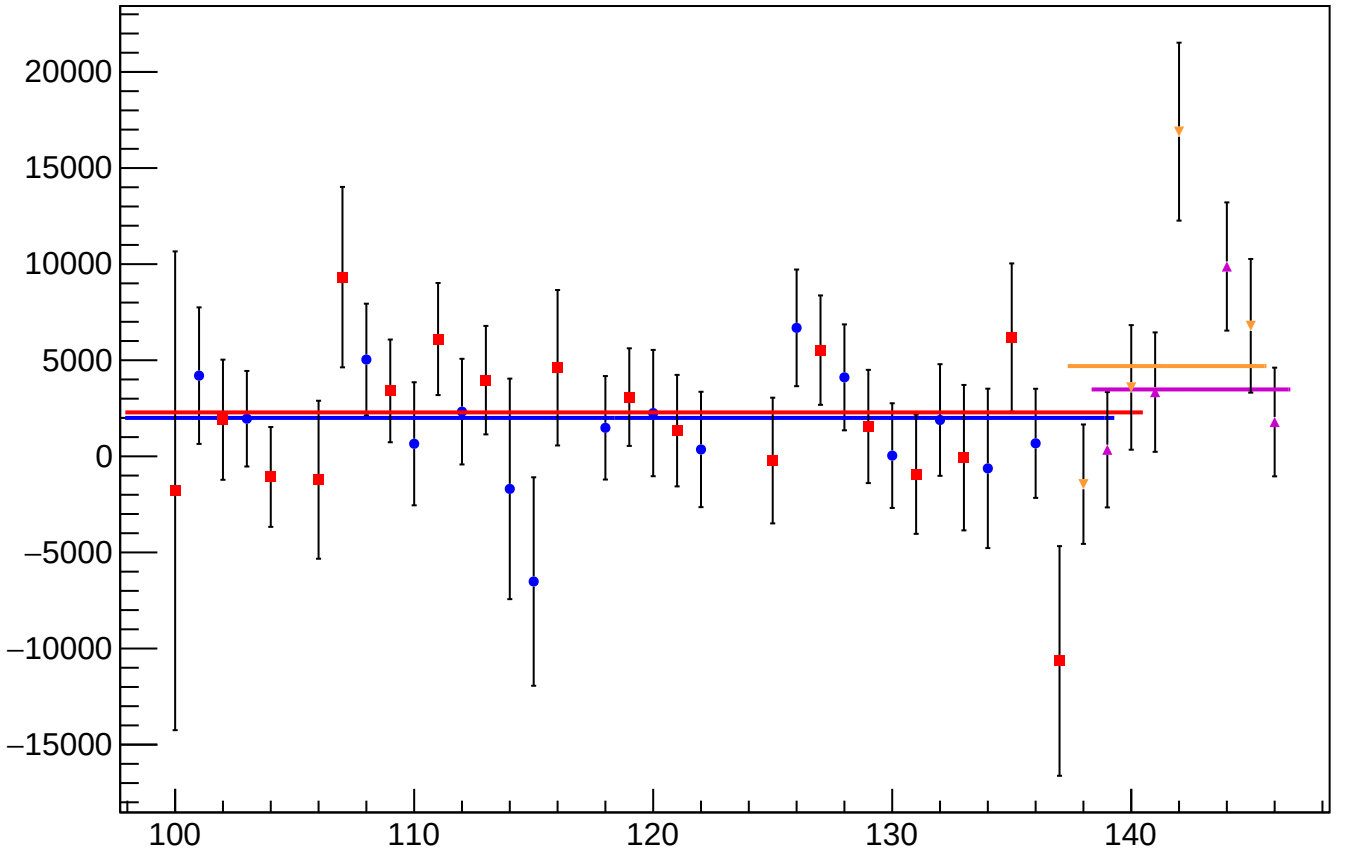
Left: 1127.228+/-0.557 χ^2/NDF: 10219168.3/8

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6501.495+/-1.452 χ^2/NDF:1358758.7/19

Out: 948.746+/-0.391 χ^2/NDF:16131501.8/23

All: 1324.451+/-0.378 χ^2/NDF: 31116844.9/4



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 4696.397+/-1745.679 χ^2/NDF:11.3/3

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 3480.680+/-1525.624 χ^2/NDF:5.1/3

Left: 4007.128+/-1148.750 χ^2/NDF: 16.7/7

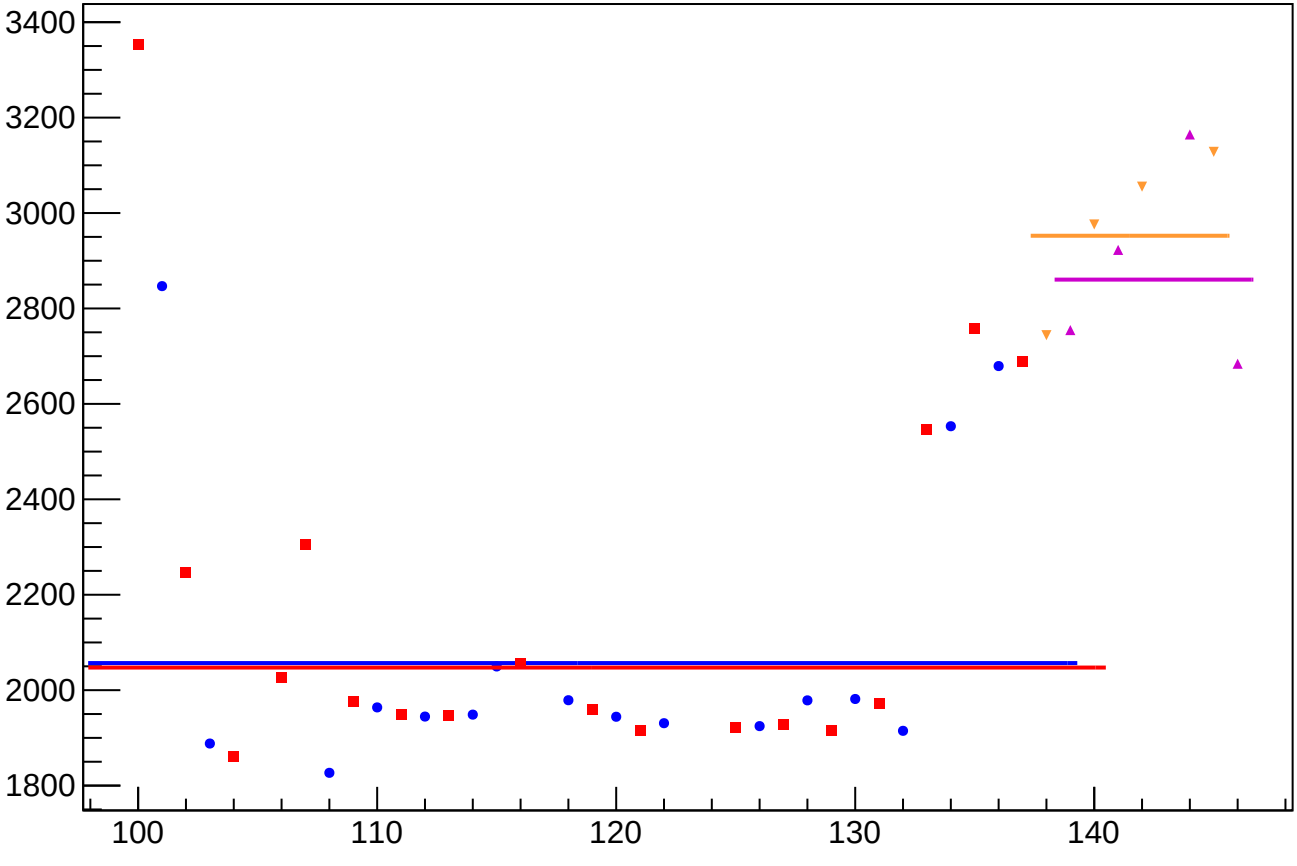
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2302.182+/-689.922 χ^2/NDF:14.9/19

Out: 2679.610+/-705.504 χ^2/NDF:29.6/21

All: 2486.682+/-493.265 χ^2/NDF: 44.6/41

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2952.407+/-1.234 χ^2/NDF:15207.8/3

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2860.469+/-1.079 χ^2/NDF:27695.7/3

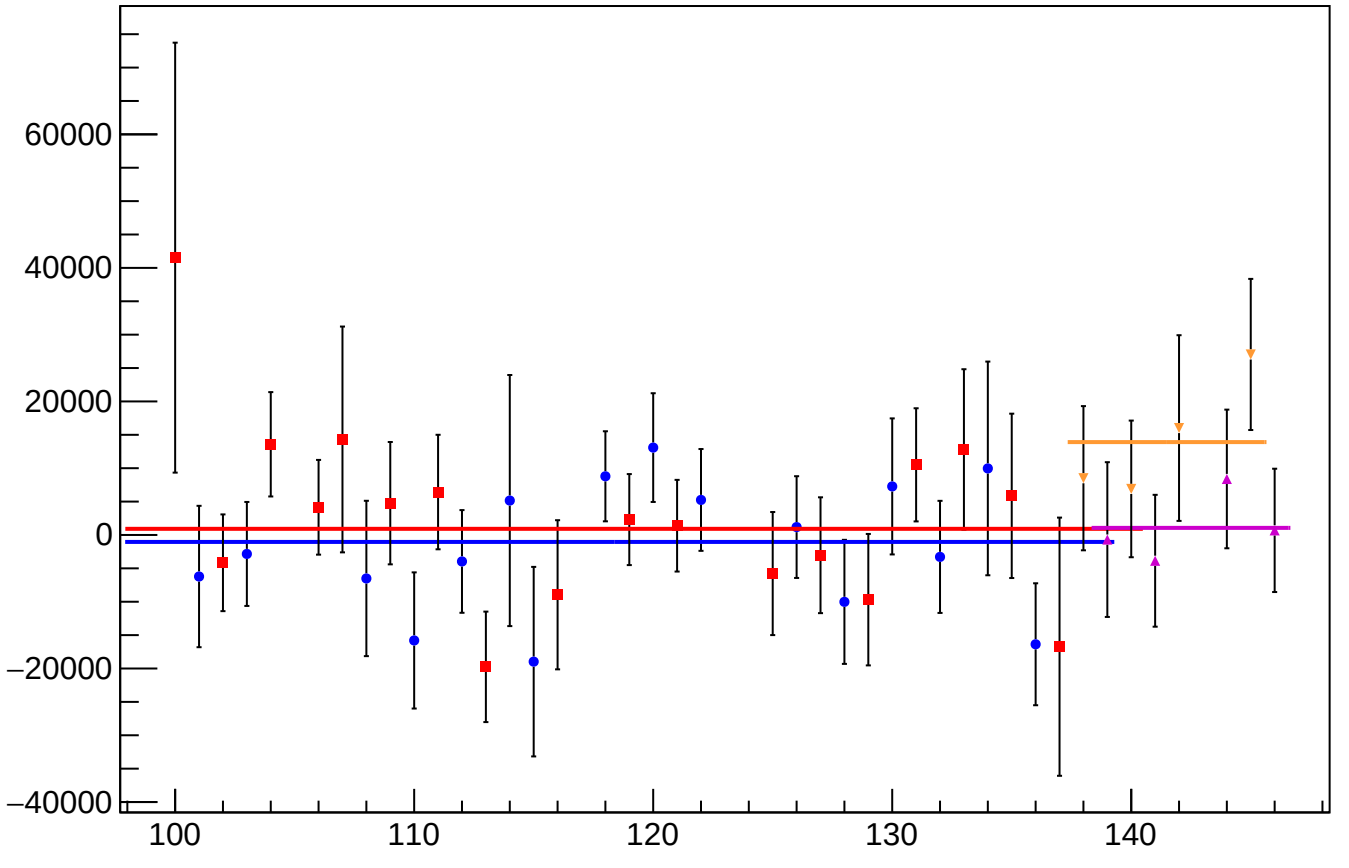
Left: 2900.281+/-0.812 χ^2/NDF: 46048.6/7

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2221.151+/-0.488 χ^2/NDF:739650.8/19

Out: 2194.843+/-0.498 χ^2/NDF:661689.3/21

All: 2208.274+/-0.349 χ^2/NDF: 1402763.5/41



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 13910.218+/-5670.132 χ^2/NDF:2.1/3

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 1062.067+/-5083.115 χ^2/NDF:0.8/3

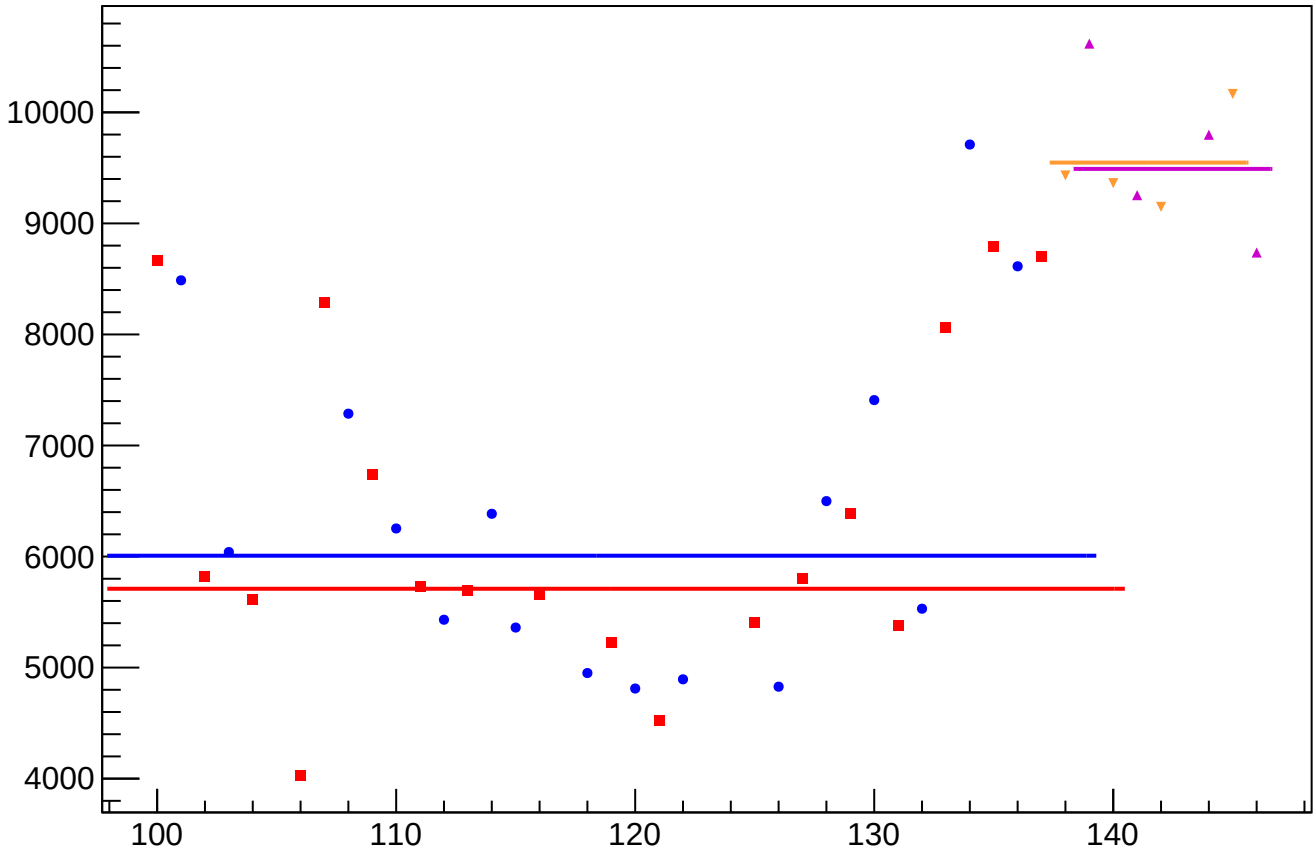
Left: 6786.850+/-3784.882 χ^2/NDF: 5.7/7

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -686.248+/-2091.390 χ^2/NDF:16.2/19

Out: 2553.816+/-2011.063 χ^2/NDF:25.0/21

All: 997.201+/-1449.602 χ^2/NDF: 42.5/41



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9547.681+/-4.009 χ^2/NDF:8499.0/3

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9490.786+/-3.594 χ^2/NDF:35166.0/3

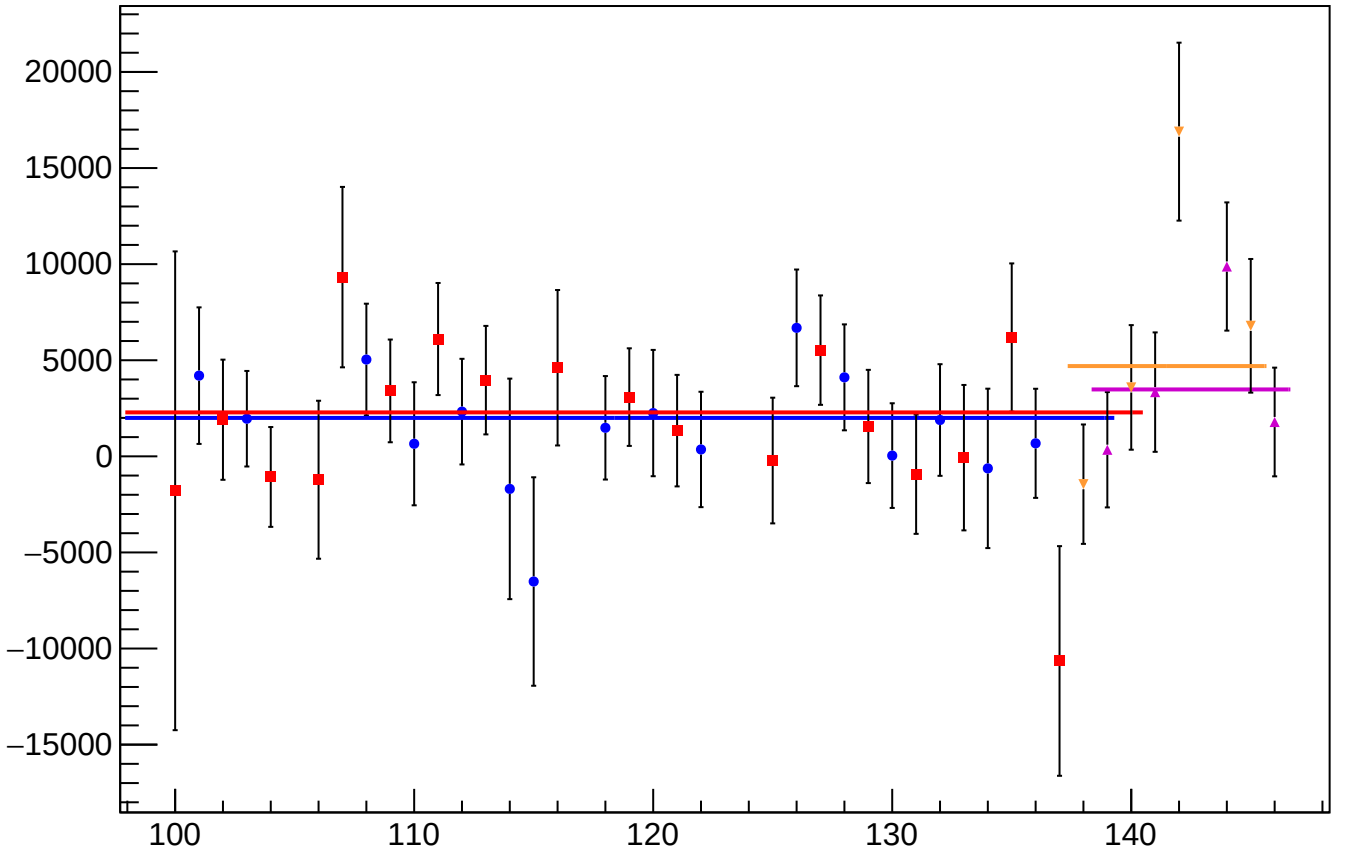
Left: 9516.137+/-2.676 χ^2/NDF: 43776.6/7

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 6597.095+/-1.479 χ^2/NDF:1469389.4/19

Out: 6192.678+/-1.422 χ^2/NDF:1345395.7/21

All: 6386.971+/-1.025 χ^2/NDF: 2853641.6/41



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 4696.431+/-1745.681 χ^2/NDF:11.3/3

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 3480.685+/-1525.626 χ^2/NDF:5.1/3

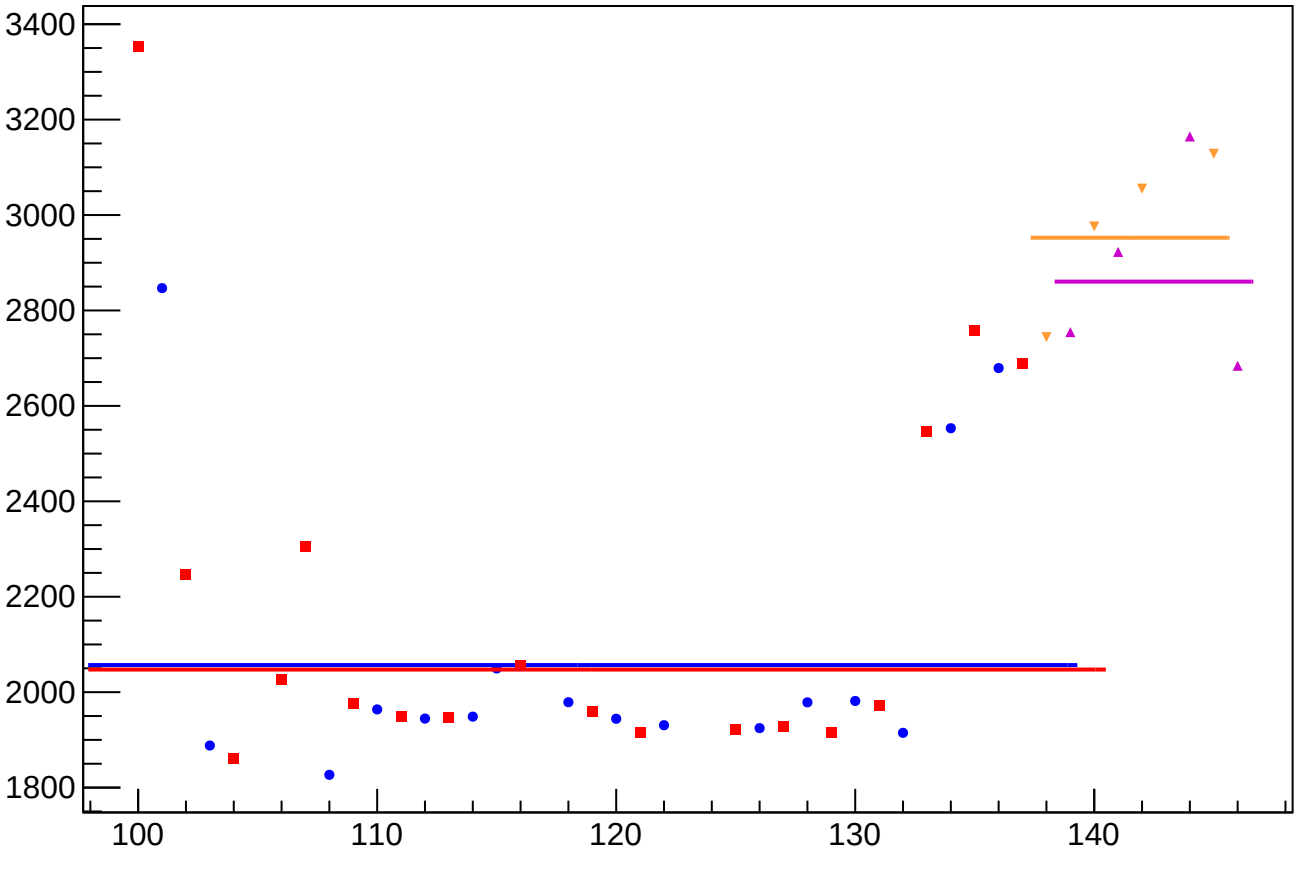
Left: 4007.145+/-1148.752 χ^2/NDF: 16.7/7

Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2302.186+/-689.922 χ^2/NDF:14.9/19

Out: 2679.617+/-705.504 χ^2/NDF:29.6/21

All: 2486.688+/-493.265 χ^2/NDF: 44.6/41



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2952.410+/-1.234 χ^2/NDF:15208.3/3

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2860.472+/-1.079 χ^2/NDF:27695.9/3

Left: 2900.284+/-0.812 χ^2/NDF: 46049.5/7

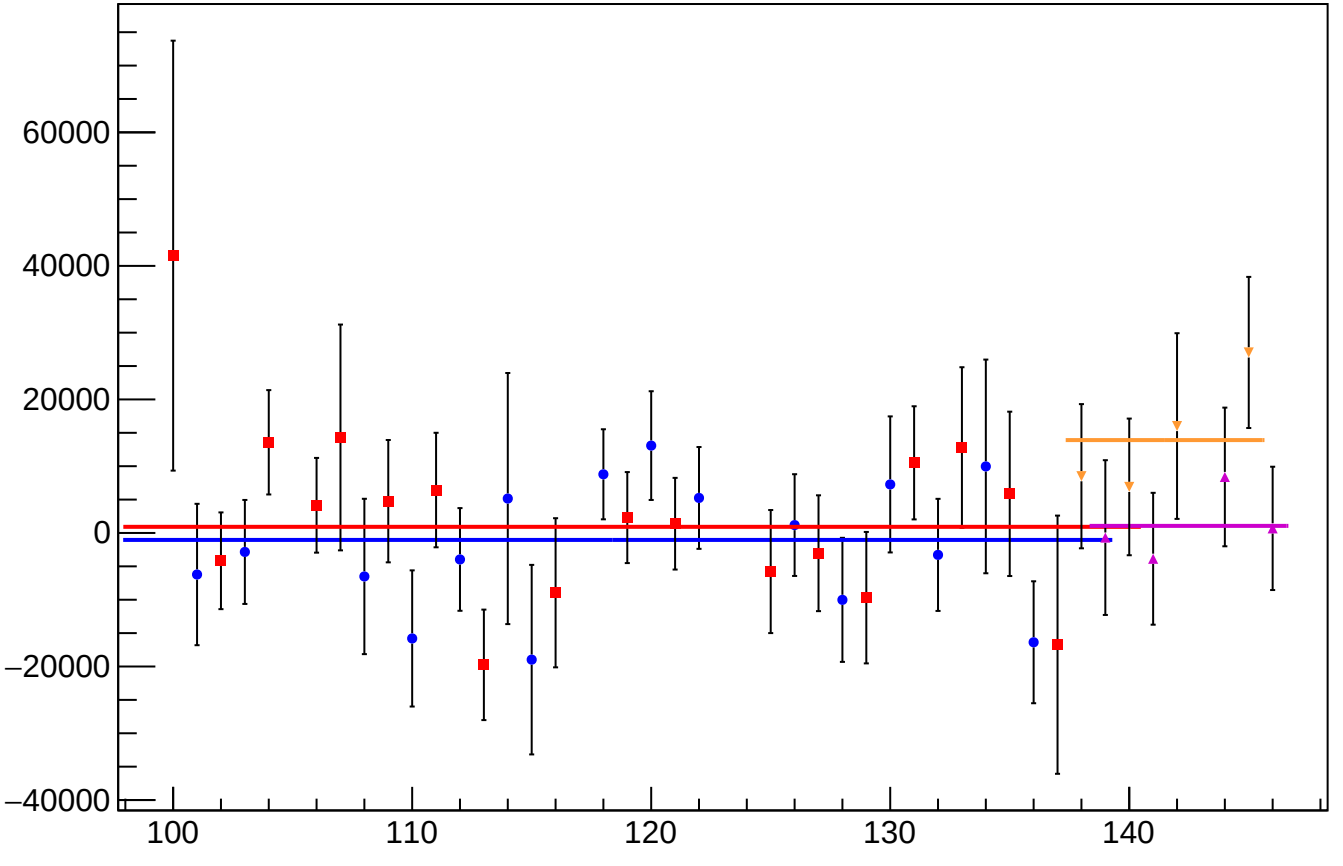
Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2221.152+/-0.488 χ^2/NDF:739653.5/19

Out: 2194.843+/-0.498 χ^2/NDF:661692.7/21

All: 2208.275+/-0.349 χ^2/NDF: 1402769.7/41

asym_atl2_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 13910.268+/-5670.148 χ^2/NDF:2.1/3

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 1062.068+/-5083.125 χ^2/NDF:0.8/3

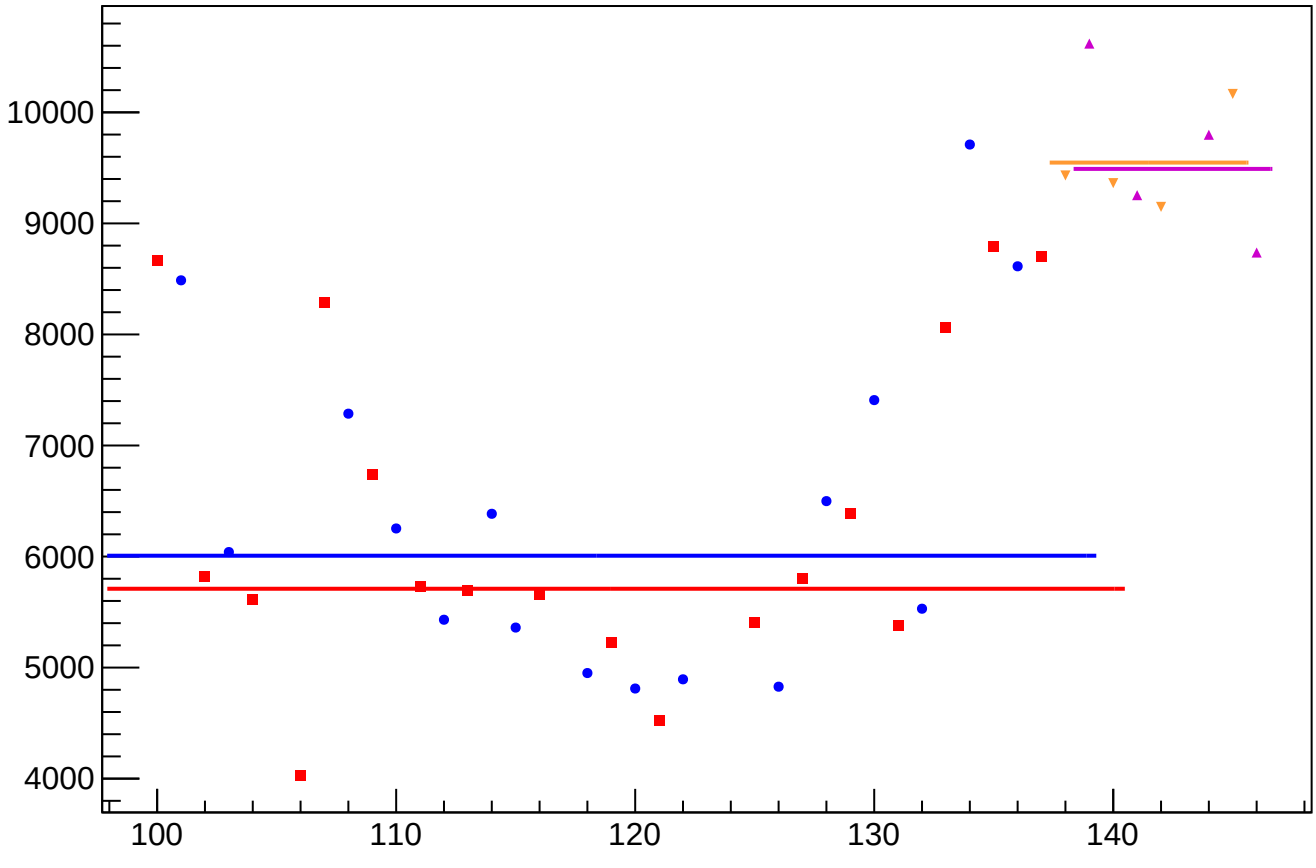
Left: 6786.867+/-3784.891 χ^2/NDF: 5.7/7

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -686.240+/-2091.386 χ^2/NDF:16.2/19

Out: 2553.810+/-2011.059 χ^2/NDF:25.0/21

All: 997.202+/-1449.599 χ^2/NDF: 42.5/41



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9547.707+/-4.009 χ^2/NDF:8499.0/3

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9490.804+/-3.594 χ^2/NDF:35166.9/3

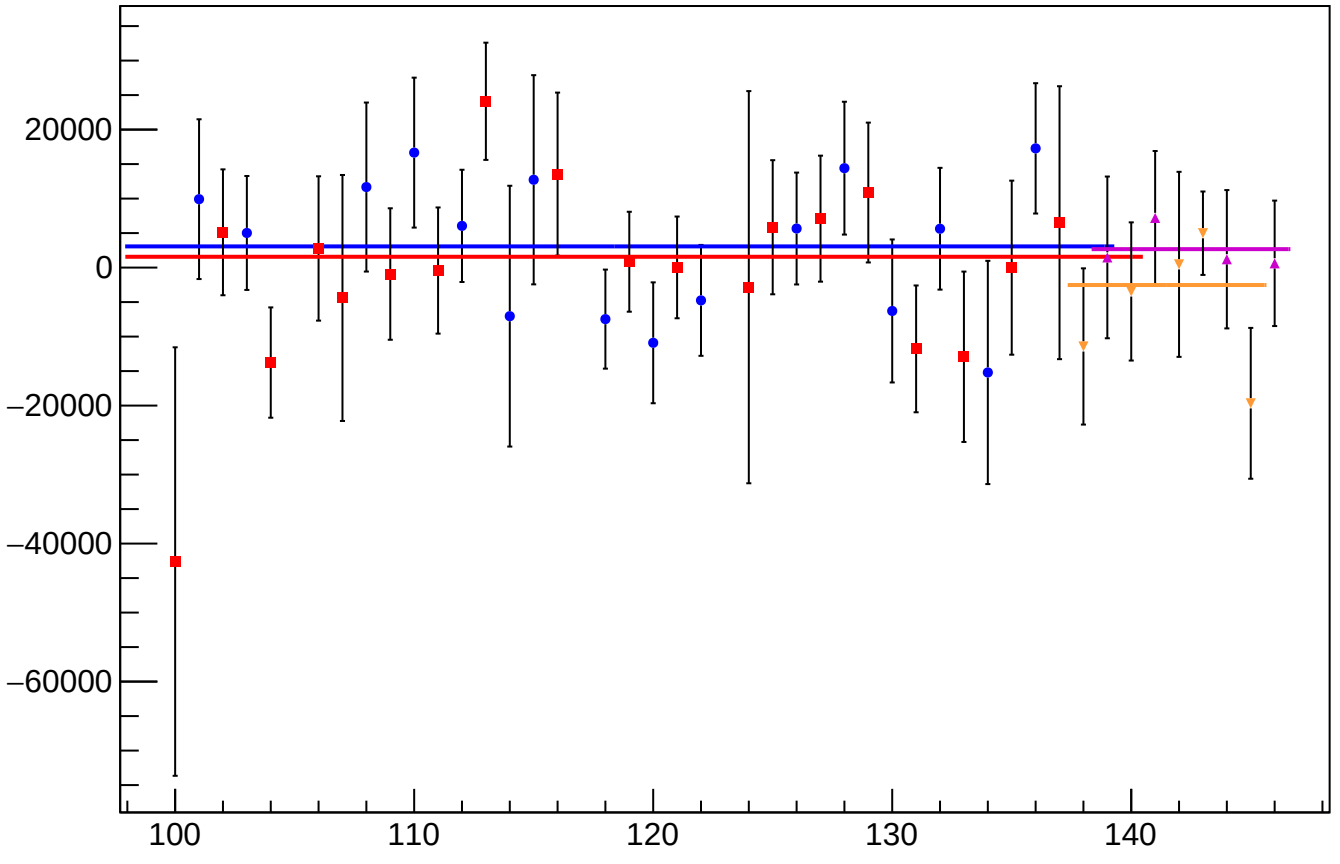
Left: 9516.159+/-2.676 χ^2/NDF: 43777.6/7

Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6597.076+/-1.479 χ^2/NDF:1469413.8/19

Out: 6192.661+/-1.422 χ^2/NDF:1345414.3/21

All: 6386.953+/-1.025 χ^2/NDF: 2853684.4/41



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -2526.999+/-4114.196 χ^2/NDF:4.7/4

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 2672.930+/-5001.598 χ^2/NDF:0.3/3

Left: -428.484+/-3177.358 χ^2/NDF: 5.6/8

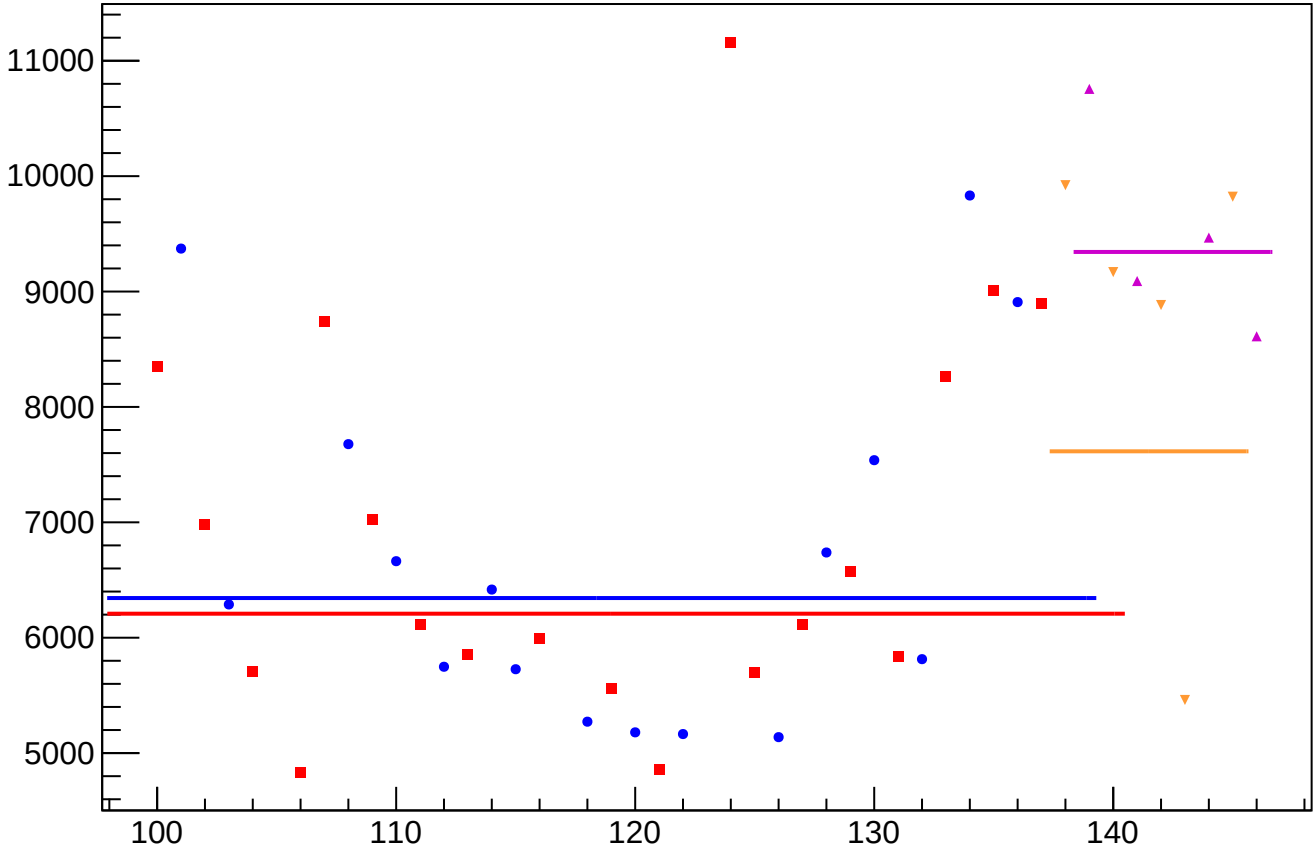
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2994.878+/-2178.933 χ^2/NDF:15.2/19

Out: 569.061+/-2031.316 χ^2/NDF:24.6/23

All: 1697.022+/-1485.805 χ^2/NDF: 40.5/43

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7615.374+/-2.909 χ^2/NDF:484748.0/4

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9343.149+/-3.537 χ^2/NDF:43678.2/3

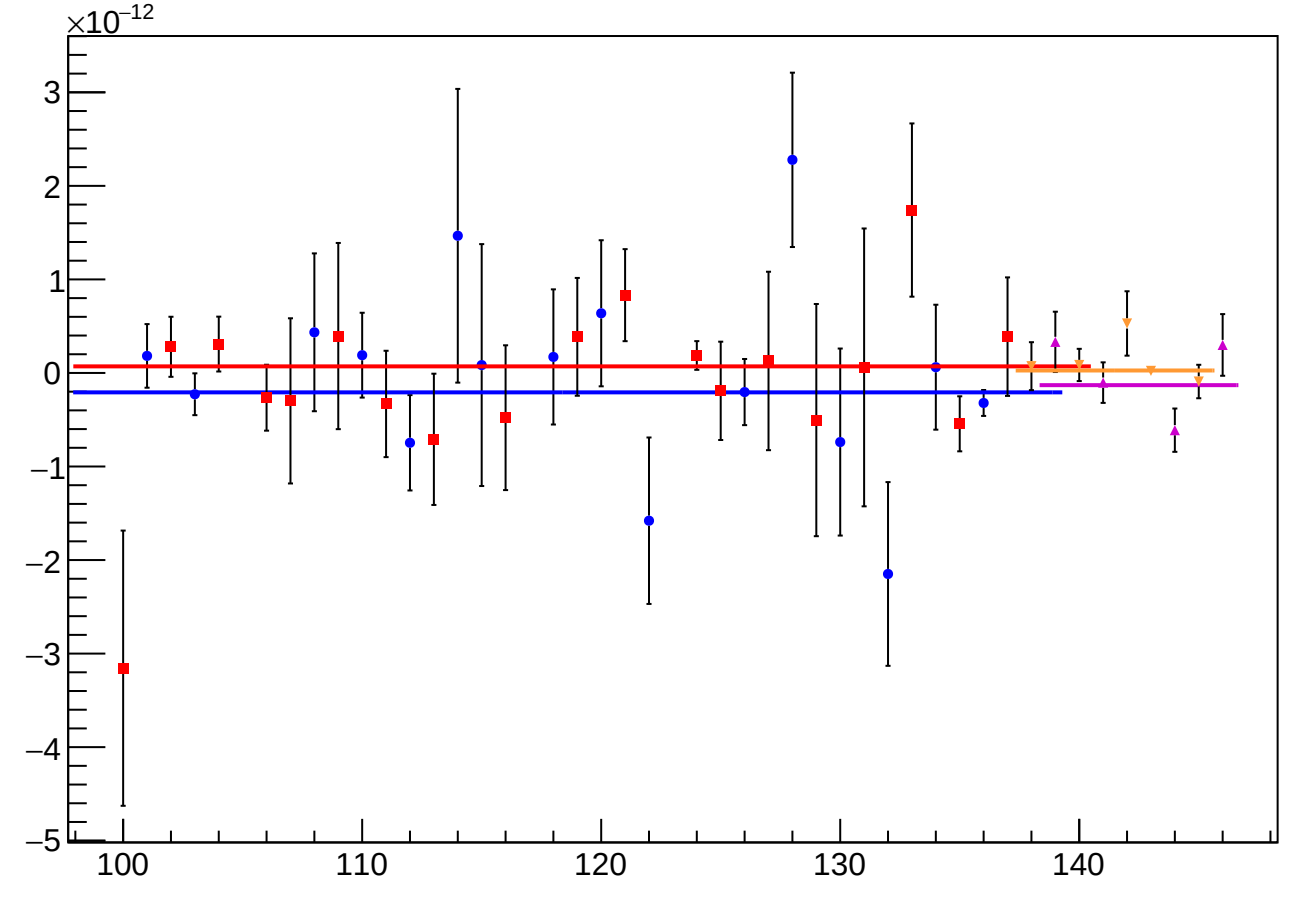
Left: 8312.645+/-2.247 χ^2/NDF: 670773.5/8

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 6913.038+/-1.541 χ^2/NDF:1247646.7/19

Out: 6551.153+/-1.436 χ^2/NDF:1133547.1/23

All: 6719.423+/-1.051 χ^2/NDF: 2410709.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/3

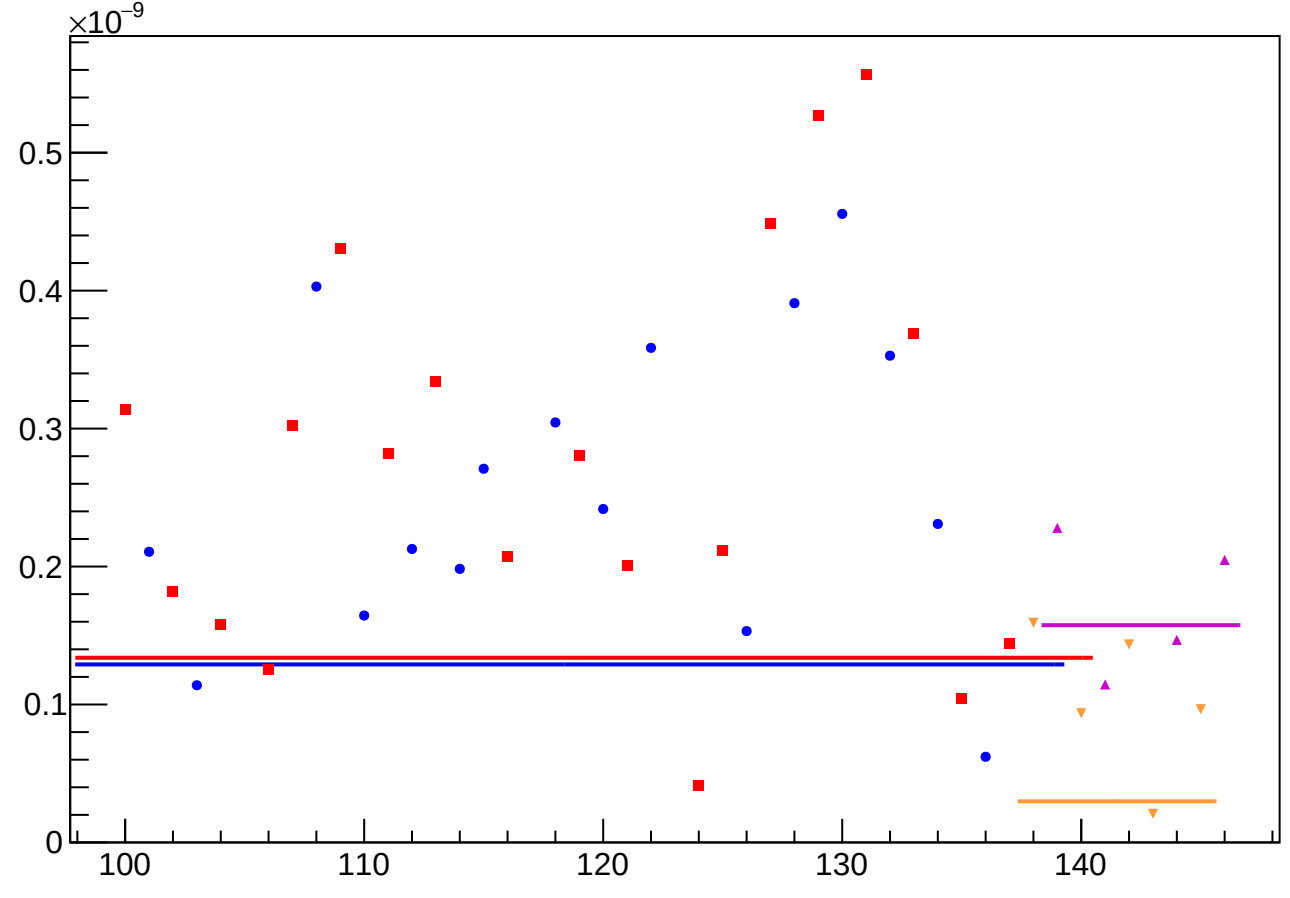
Left: 0.000+/-0.000 χ^2/NDF: 12.2/8

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:29.3/19

Out: 0.000+/-0.000 χ^2/NDF:23.8/23

All: 0.000+/-0.000 χ^2/NDF: 59.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1411111.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:219819.6/3

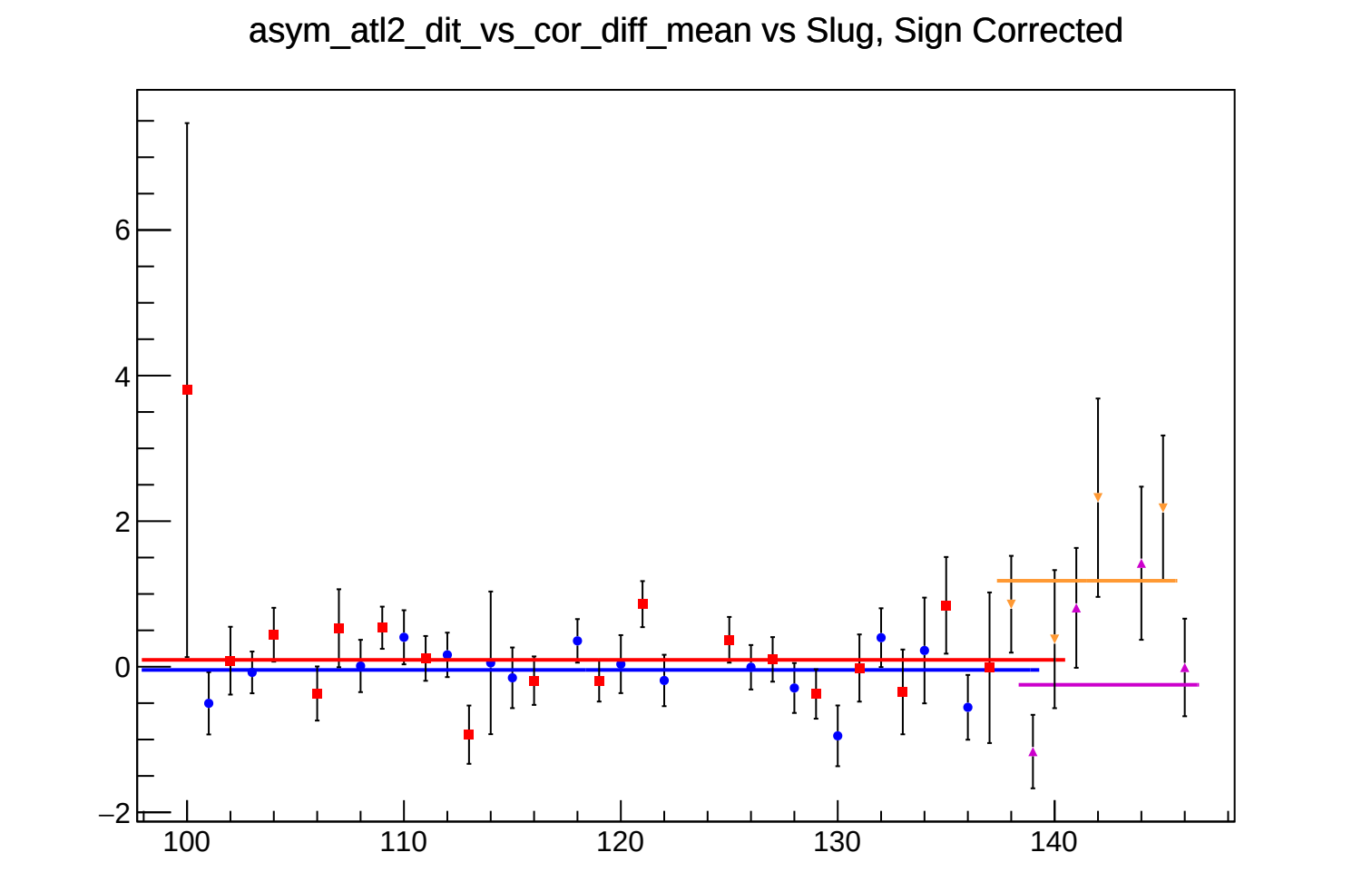
Left: 0.000+/-0.000 χ^2/NDF: 3427608.7/8

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2002215.1/19

Out: 0.000+/-0.000 χ^2/NDF:5818000.1/23

All: 0.000+/-0.000 χ^2/NDF: 10571024.1/43



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 1.181+/-0.451 χ^2/NDF:2.7/3

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.248+/-0.342 χ^2/NDF:7.6/3

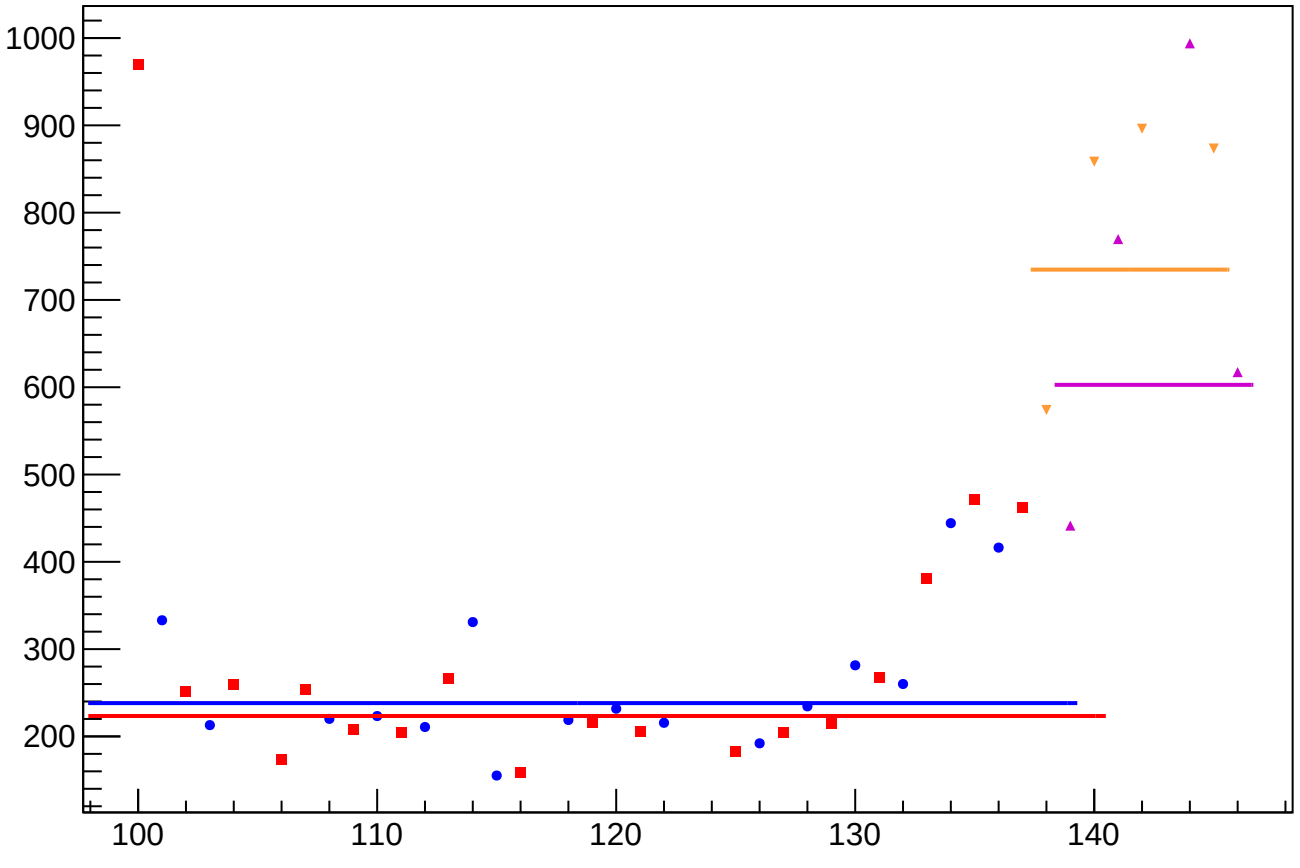
Left: 0.275+/-0.273 χ^2/NDF: 16.6/7

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.058+/-0.090 χ^2/NDF:21.0/19

Out: 0.136+/-0.088 χ^2/NDF:33.5/21

All: 0.041+/-0.063 χ^2/NDF: 56.9/41



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 734.740+/-0.319 χ^2/NDF:217837.9/3

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 602.741+/-0.242 χ^2/NDF:563814.6/3

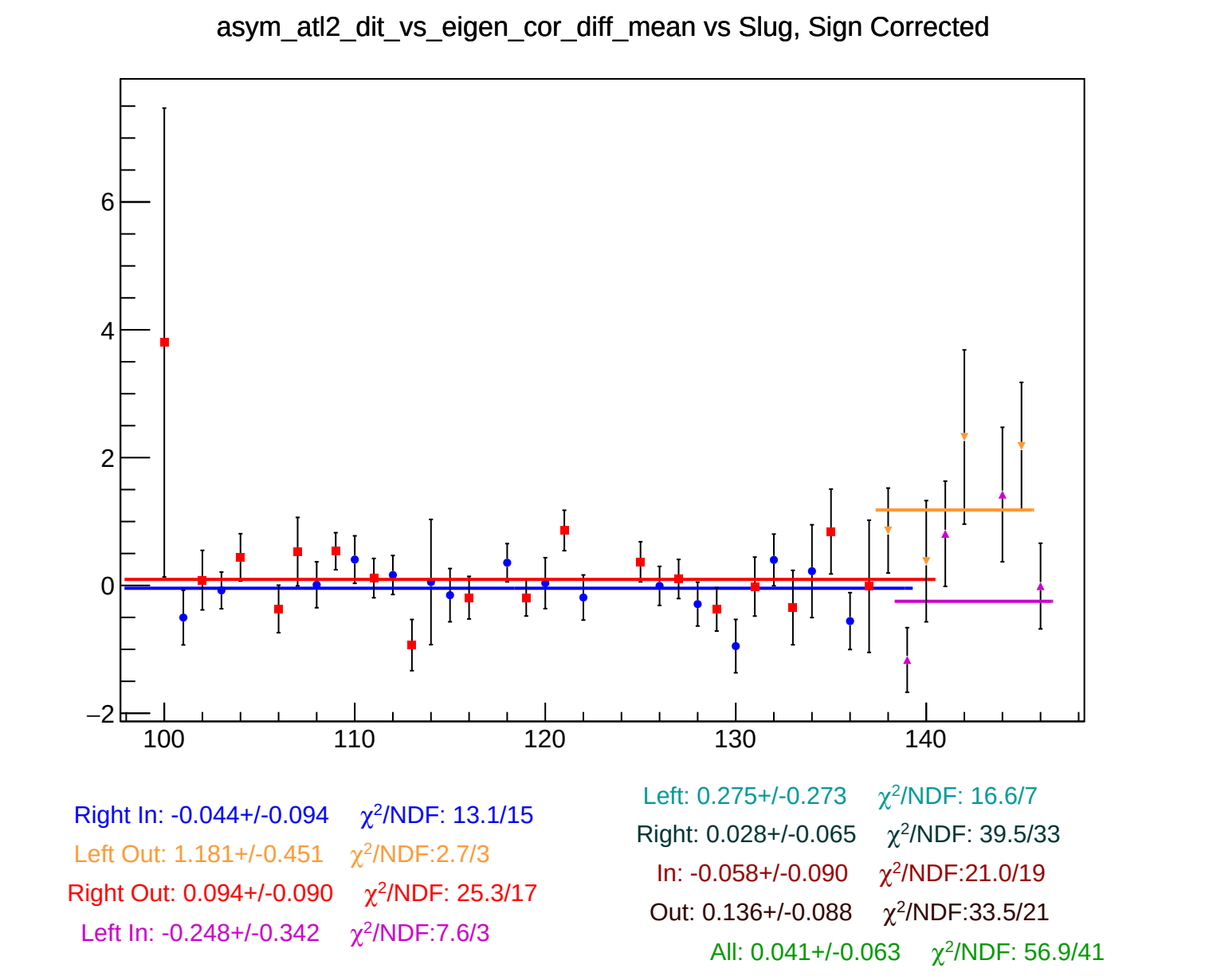
Left: 651.038+/-0.193 χ^2/NDF: 890371.6/7

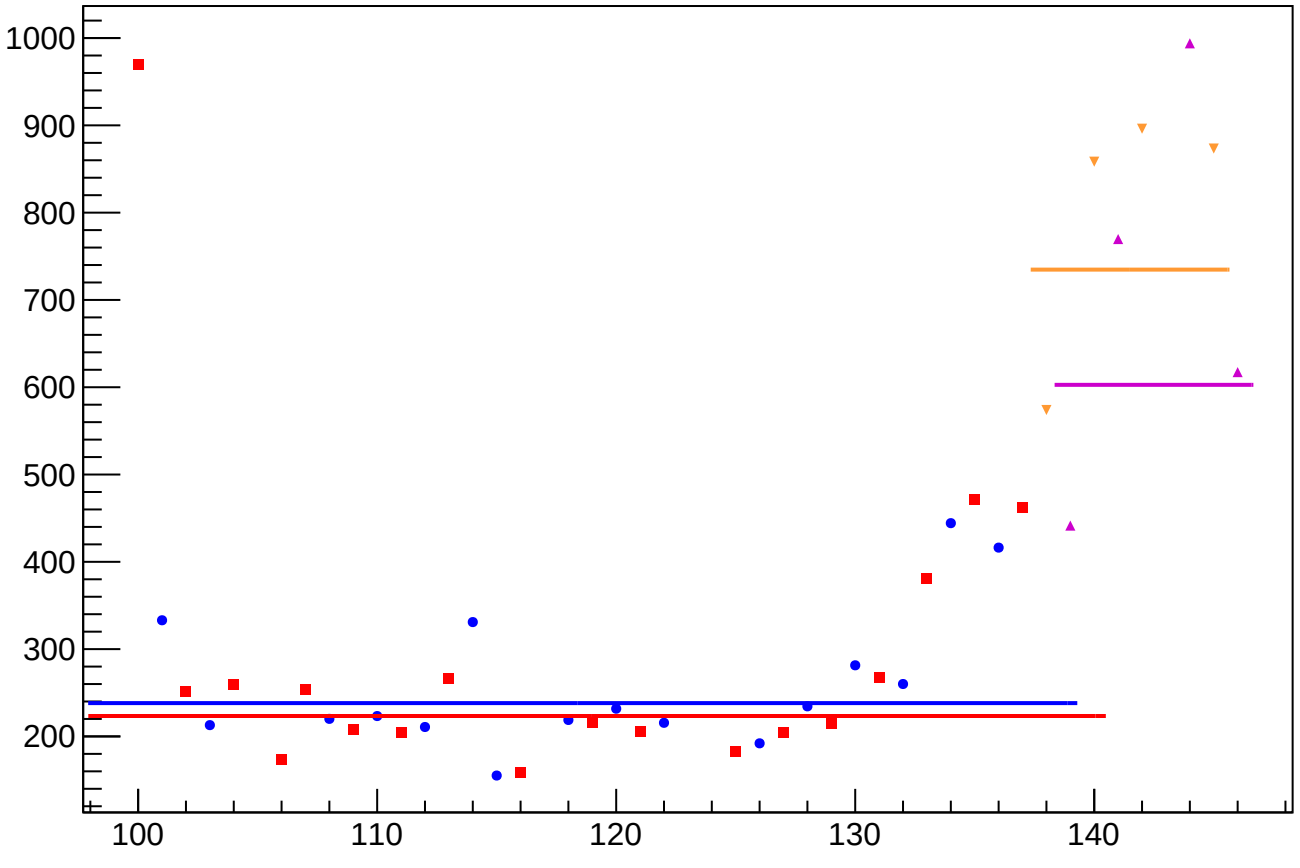
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 263.607+/-0.064 χ^2/NDF:3479539.7/19

Out: 243.000+/-0.062 χ^2/NDF:3554573.2/21

All: 253.053+/-0.045 χ^2/NDF: 7087262.7/41


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: 1.181+/-0.451 χ²/NDF:2.7/3
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.248+/-0.342 χ²/NDF:7.6/3
Left: 0.275+/-0.273 χ²/NDF: 16.6/7
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.058+/-0.090 χ²/NDF:21.0/19
Out: 0.136+/-0.088 χ²/NDF:33.5/21
All: 0.041+/-0.063 χ²/NDF: 56.9/41



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 734.740+/-0.319 χ^2/NDF:217837.9/3

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 602.741+/-0.242 χ^2/NDF:563814.6/3

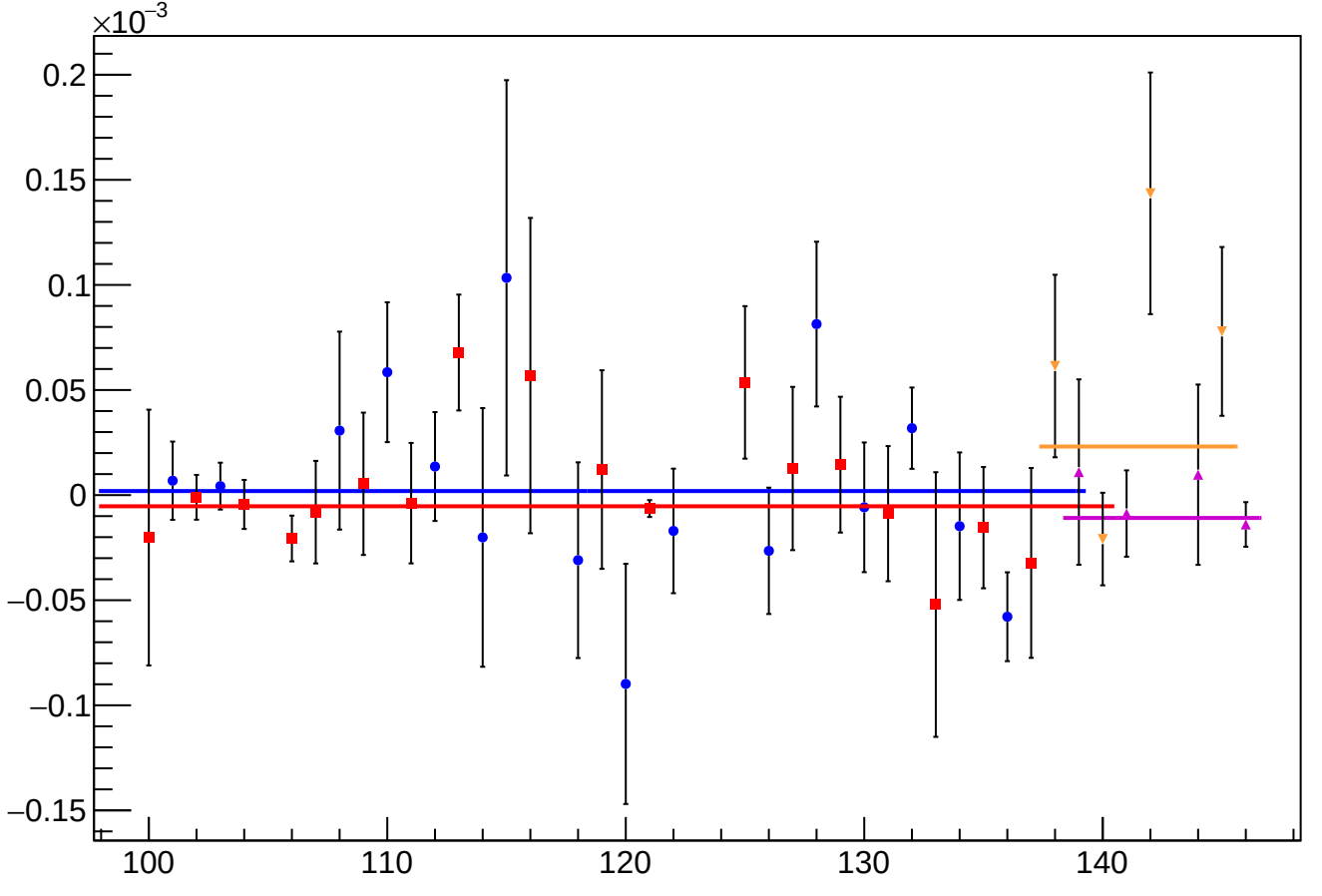
Left: 651.038+/-0.193 χ^2/NDF: 890371.6/7

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 263.607+/-0.064 χ^2/NDF:3479539.7/19

Out: 243.000+/-0.062 χ^2/NDF:3554573.2/21

All: 253.053+/-0.045 χ^2/NDF: 7087262.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.0/3

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

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

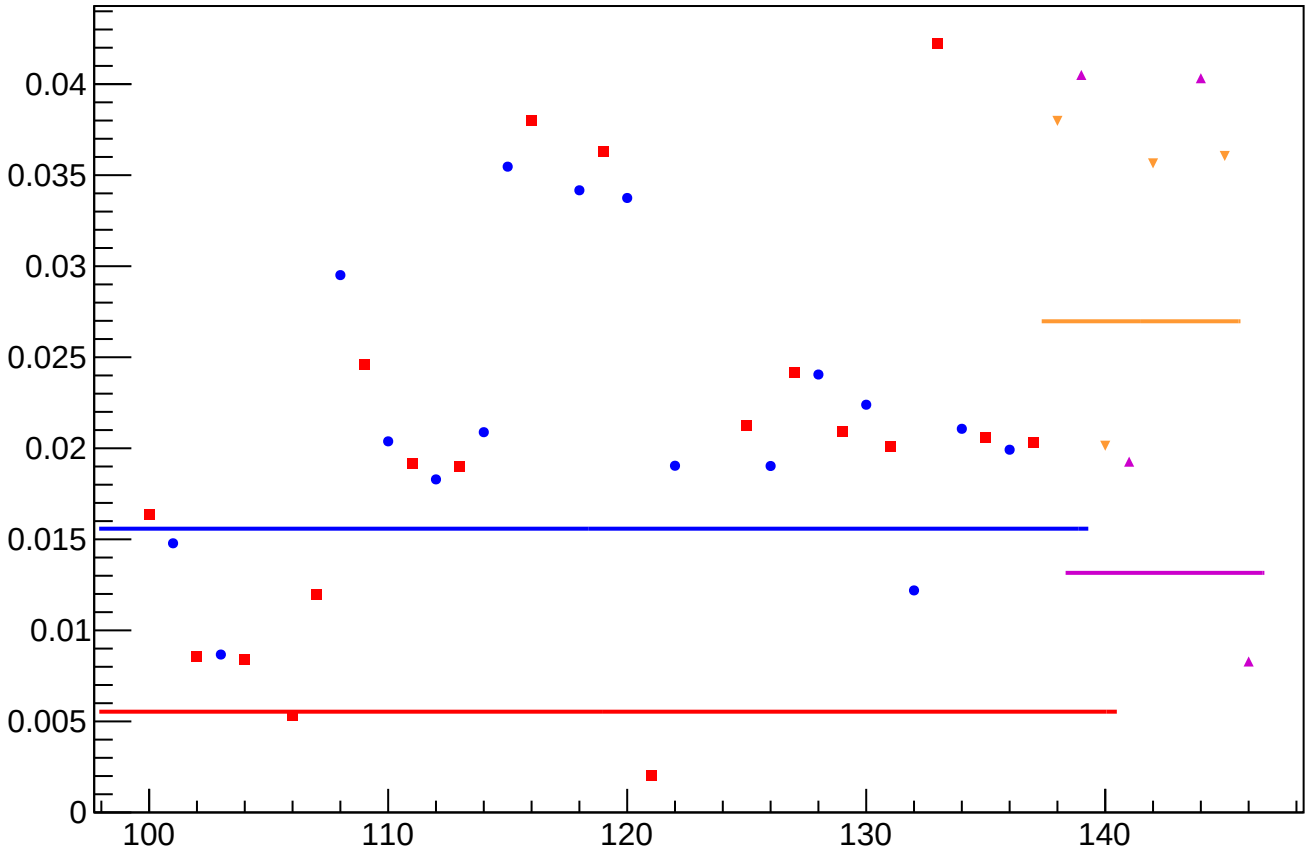
Left: -0.000+/-0.000 χ^2/NDF: 14.8/7

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: -0.000+/-0.000 χ^2/NDF:26.0/19

Out: -0.000+/-0.000 χ^2/NDF:28.3/21

All: -0.000+/-0.000 χ^2/NDF: 54.4/41



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.027+/-0.000 χ^2/NDF:468943.7/3

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.013+/-0.000 χ^2/NDF:2168983.5/3

Left: 0.016+/-0.000 χ^2/NDF: 3682118.7/7

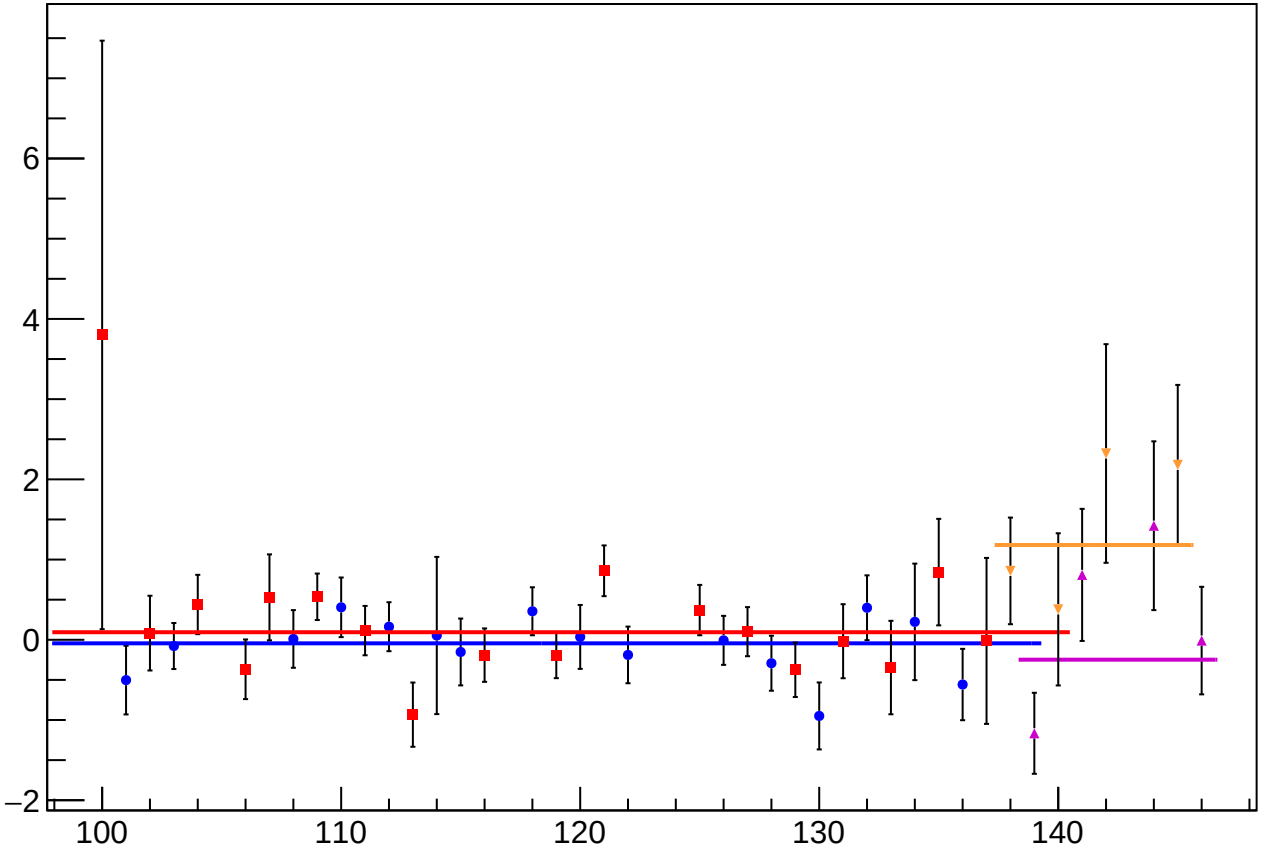
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.015+/-0.000 χ^2/NDF:4340247.8/19

Out: 0.006+/-0.000 χ^2/NDF:11543789.1/21

All: 0.009+/-0.000 χ^2/NDF: 19790122.4/41

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 1.181+/-0.451 χ^2/NDF:2.7/3

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.248+/-0.342 χ^2/NDF:7.6/3

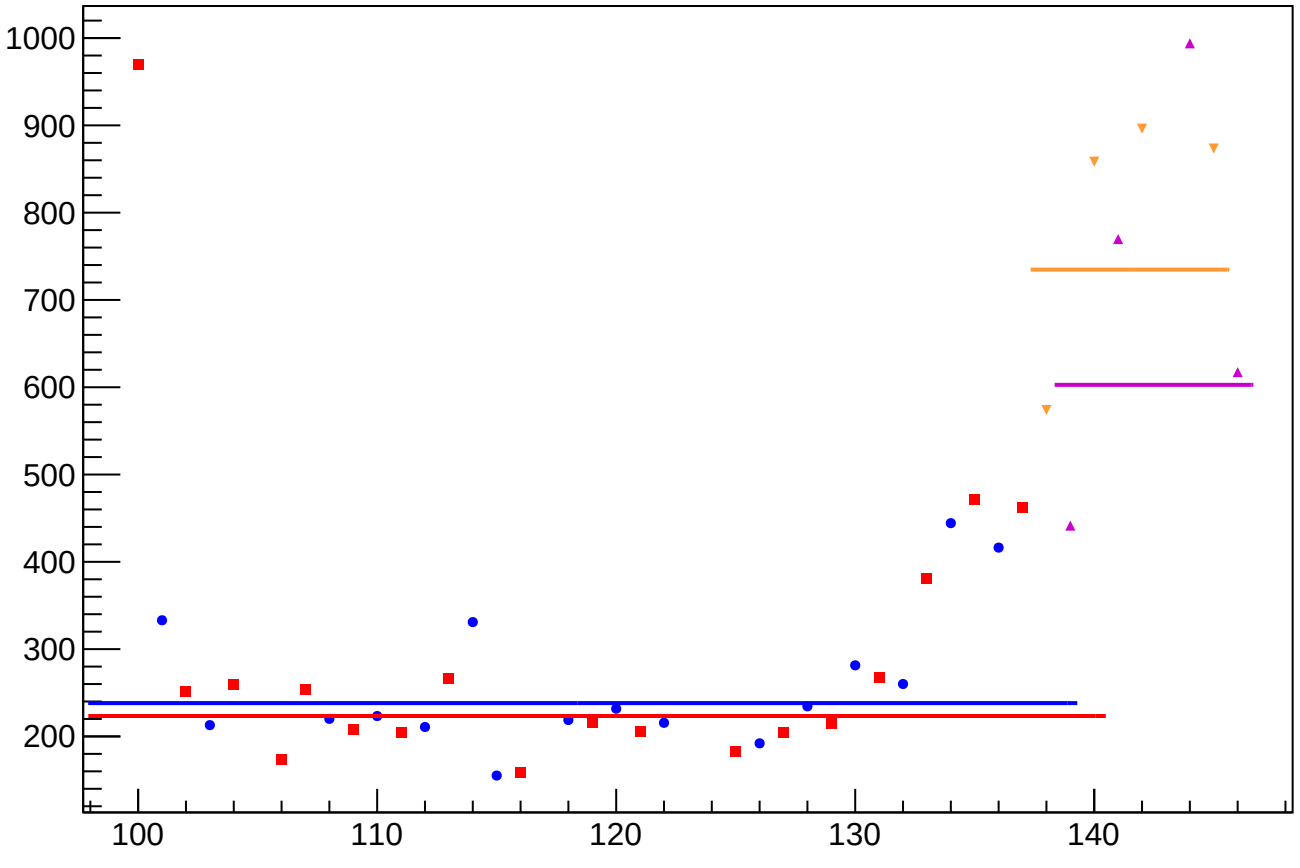
Left: 0.275+/-0.273 χ^2/NDF: 16.6/7

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.058+/-0.090 χ^2/NDF:21.0/19

Out: 0.136+/-0.088 χ^2/NDF:33.5/21

All: 0.041+/-0.063 χ^2/NDF: 56.9/41



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 734.749+/-0.319 χ^2/NDF:217854.8/3

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 602.753+/-0.242 χ^2/NDF:563792.5/3

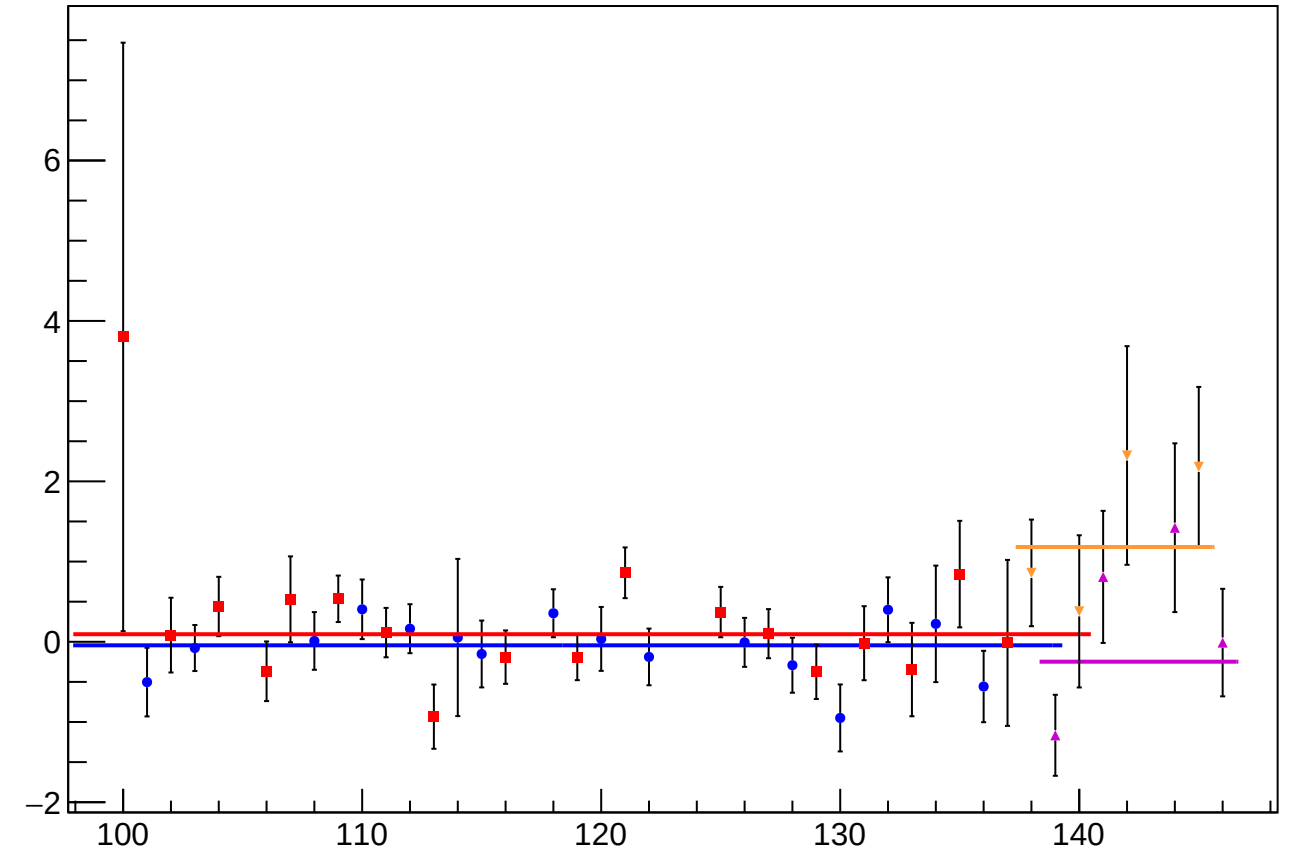
Left: 651.049+/-0.193 χ^2/NDF: 890358.3/7

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 263.608+/-0.064 χ^2/NDF:3479539.7/19

Out: 243.001+/-0.062 χ^2/NDF:3554540.7/21

All: 253.054+/-0.045 χ^2/NDF: 7087225.7/41



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 1.181+/-0.451 χ^2/NDF:2.7/3

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.248+/-0.342 χ^2/NDF:7.6/3

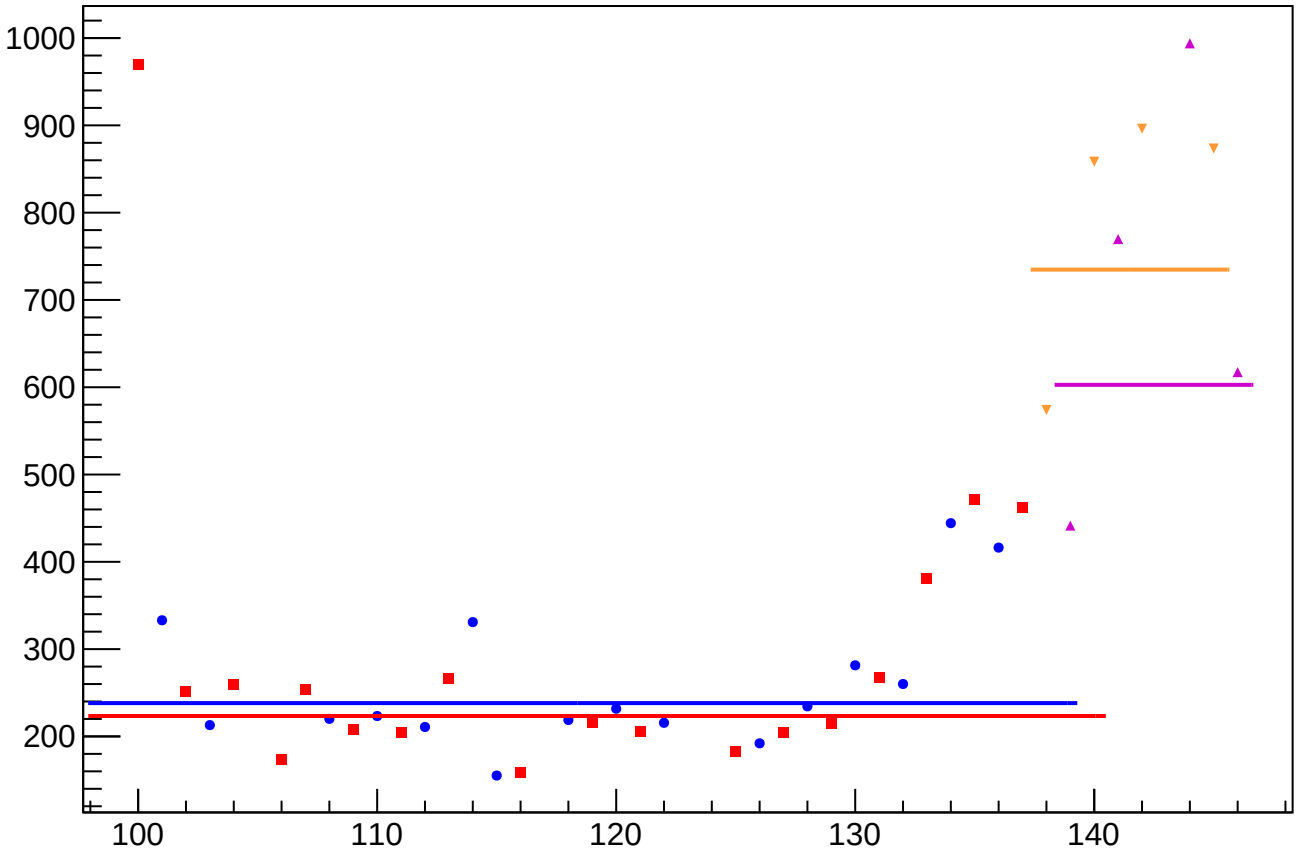
Left: 0.275+/-0.273 χ^2/NDF: 16.6/7

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.058+/-0.090 χ^2/NDF:21.0/19

Out: 0.136+/-0.088 χ^2/NDF:33.5/21

All: 0.041+/-0.063 χ^2/NDF: 56.9/41



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 734.749+/-0.319 χ^2/NDF:217854.8/3

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 602.753+/-0.242 χ^2/NDF:563792.5/3

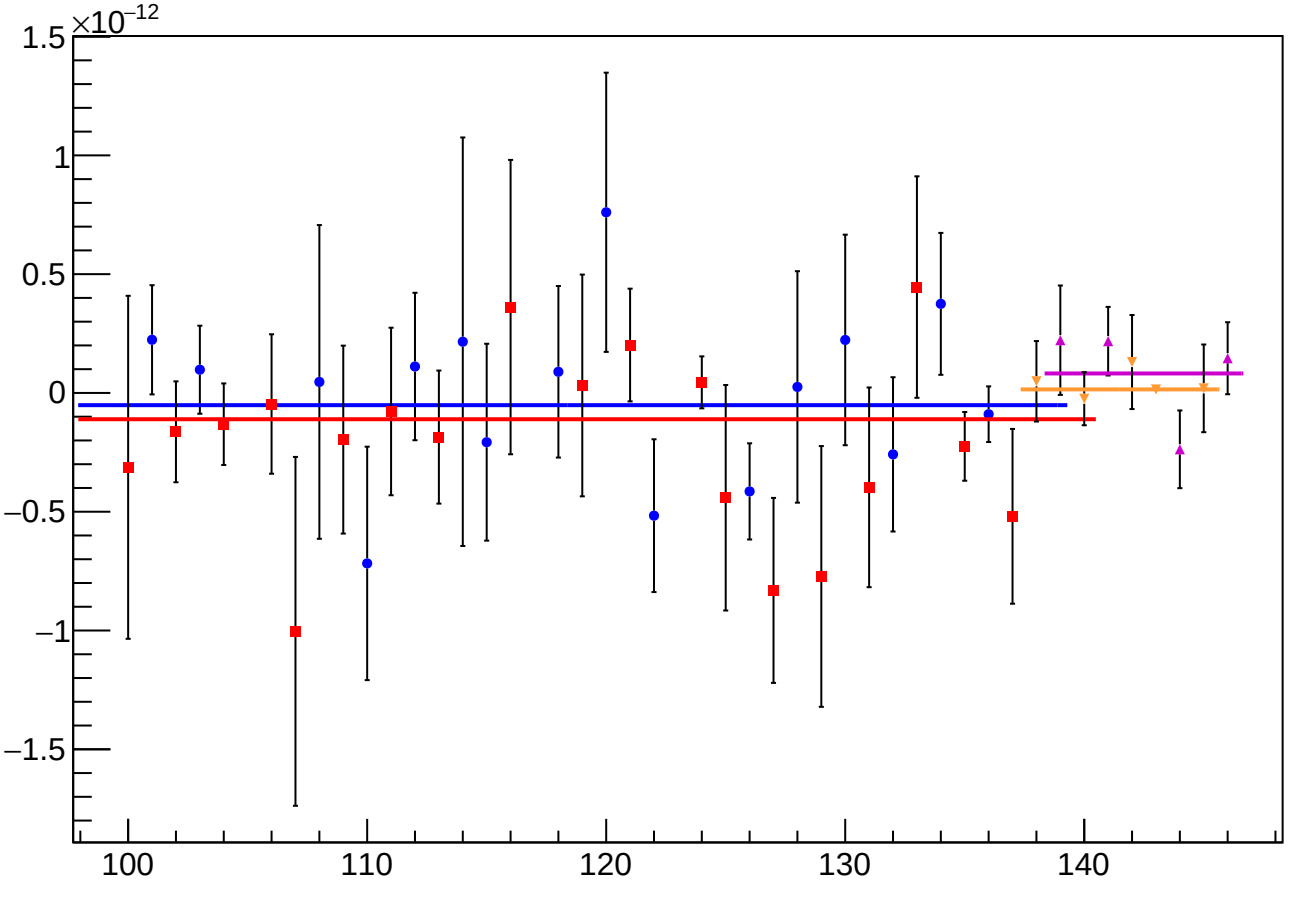
Left: 651.049+/-0.193 χ^2/NDF: 890358.3/7

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 263.608+/-0.064 χ^2/NDF:3479539.7/19

Out: 243.001+/-0.062 χ^2/NDF:3554540.7/21

All: 253.054+/-0.045 χ^2/NDF: 7087225.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/3

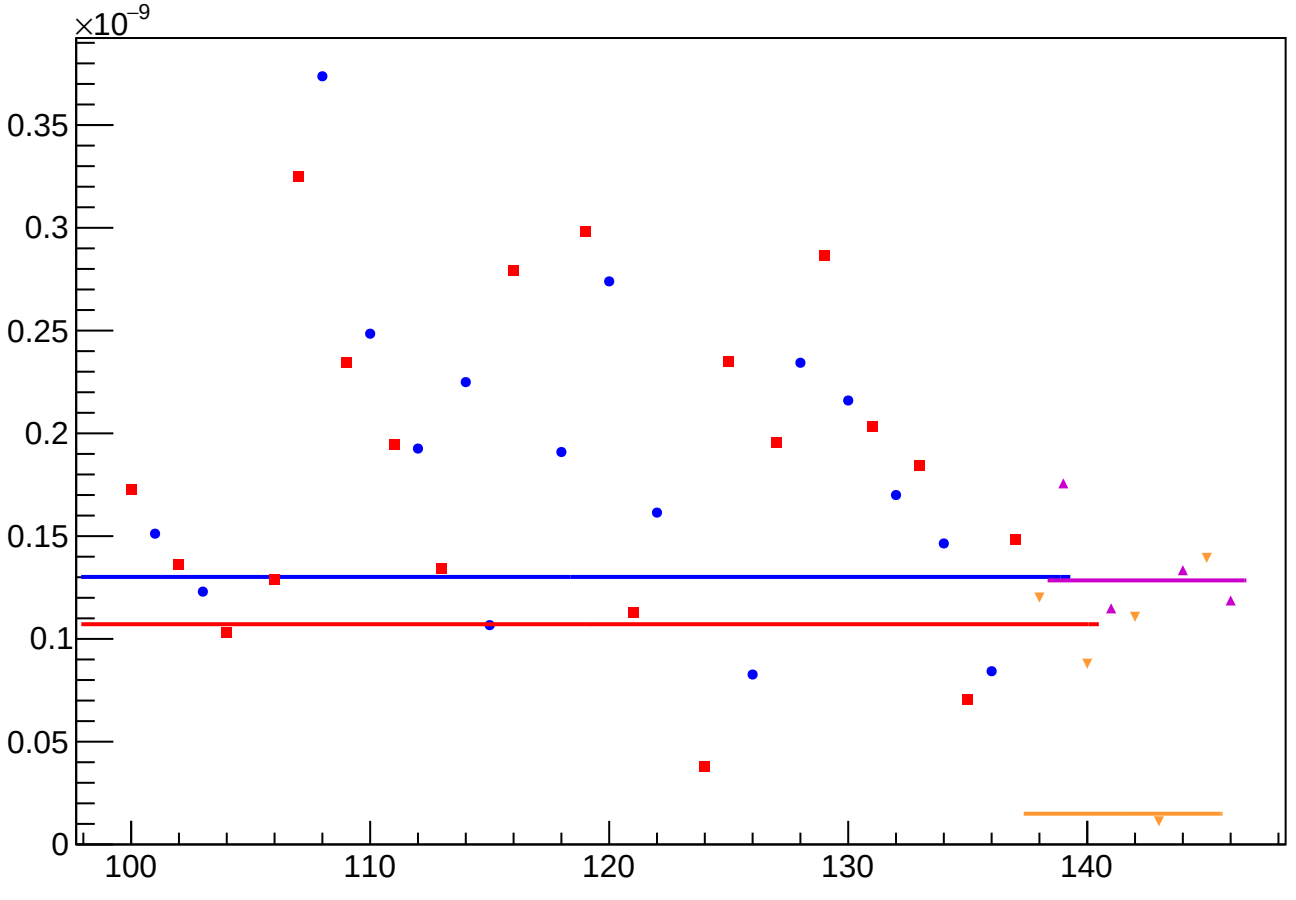
Left: 0.000+/-0.000 χ^2/NDF: 6.4/8

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: 0.000+/-0.000 χ^2/NDF:21.6/19

Out: 0.000+/-0.000 χ^2/NDF:20.1/23

All: 0.000+/-0.000 χ^2/NDF: 41.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3118619.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:111975.9/3

Left: 0.000+/-0.000 χ^2/NDF: 6913959.8/8

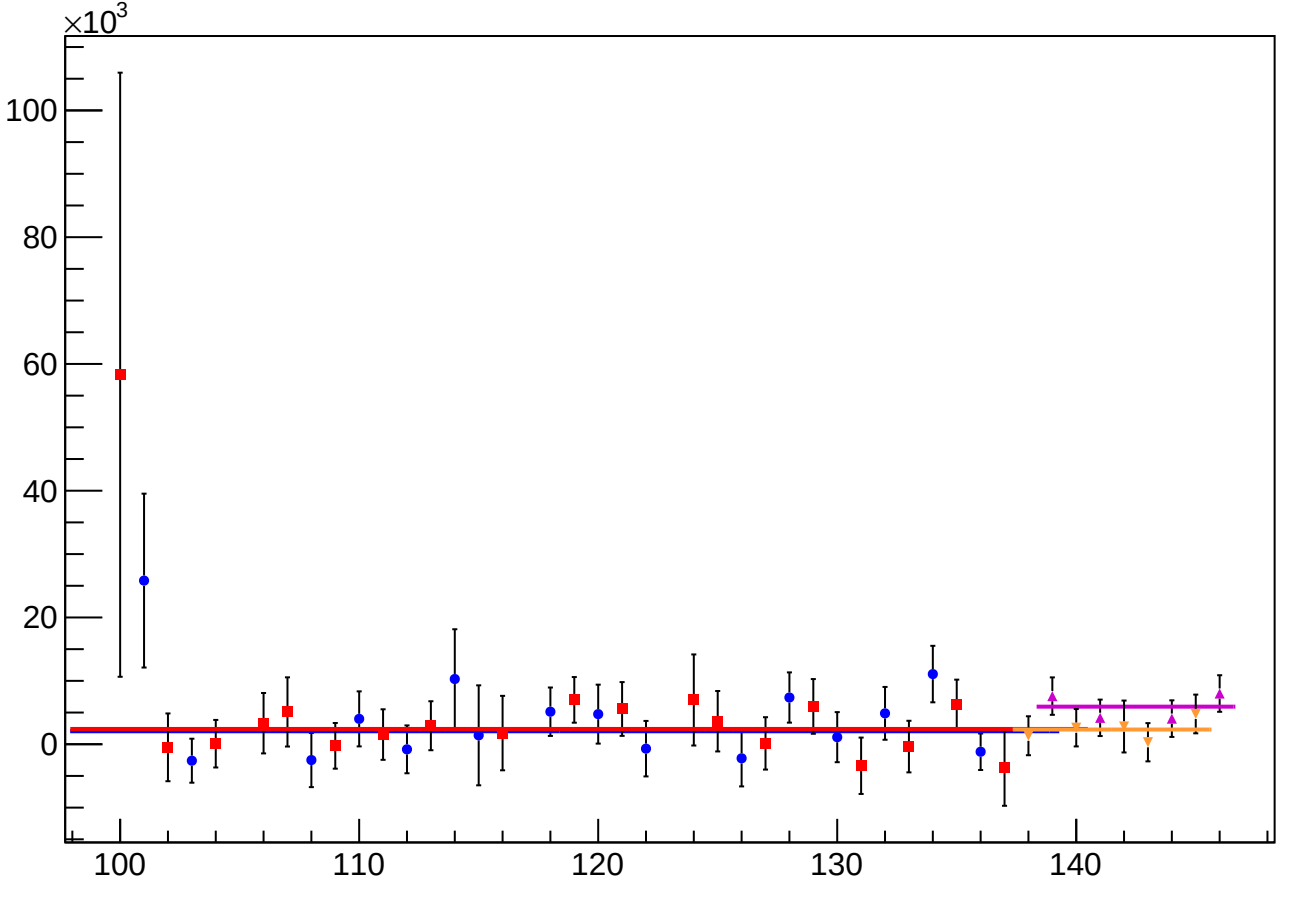
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:1446745.5/19

Out: 0.000+/-0.000 χ^2/NDF:10352950.2/23

All: 0.000+/-0.000 χ^2/NDF: 19868321.9/43

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2319.997+/-1417.613 χ^2/NDF:1.2/4

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 5929.200+/-1449.731 χ^2/NDF:1.6/3

Left: 4084.176+/-1013.568 χ^2/NDF: 6.0/8

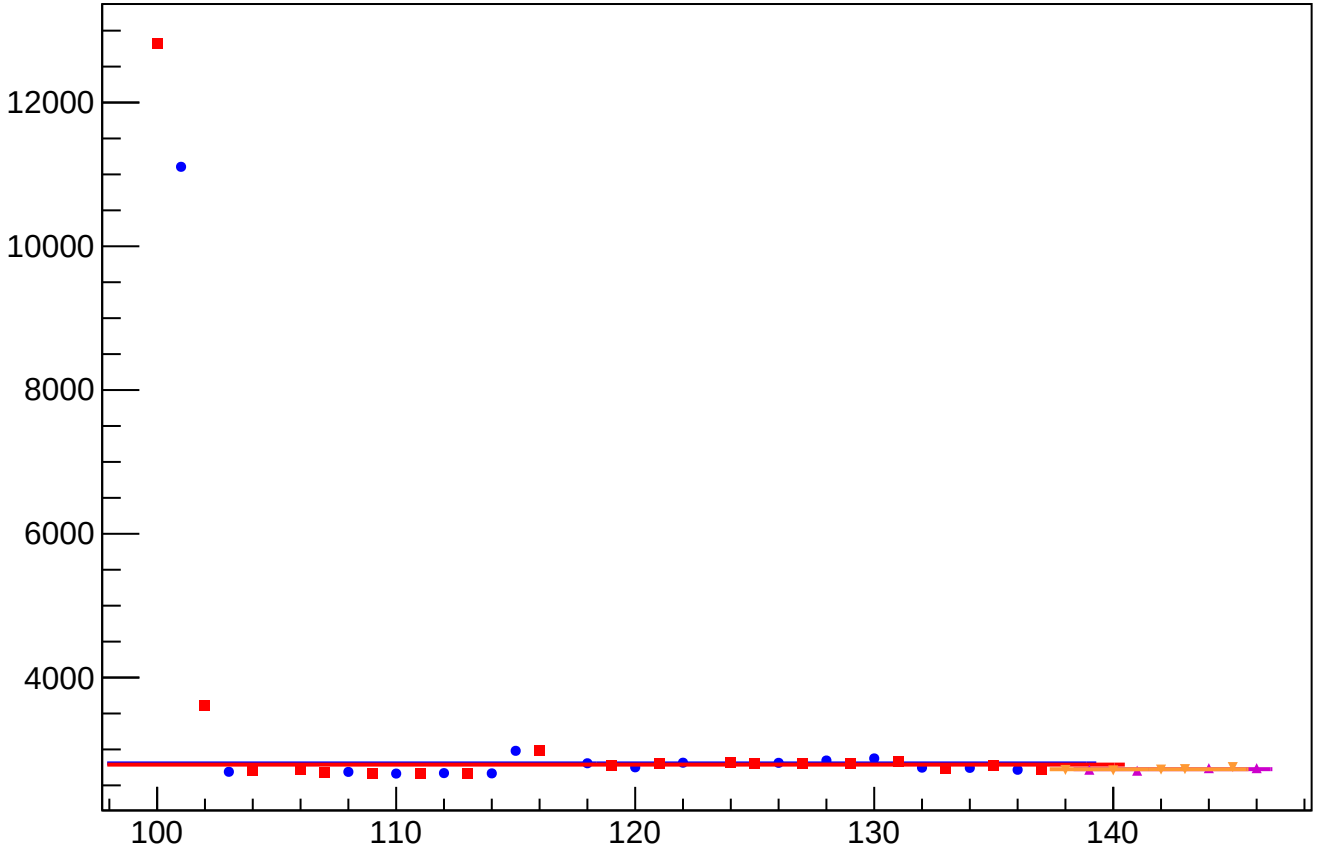
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 3418.302+/-861.111 χ^2/NDF:24.1/19

Out: 2379.899+/-836.164 χ^2/NDF:12.0/23

All: 2883.841+/-599.883 χ^2/NDF: 36.8/43

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2724.495+/-1.002 χ^2/NDF:269.4/4

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

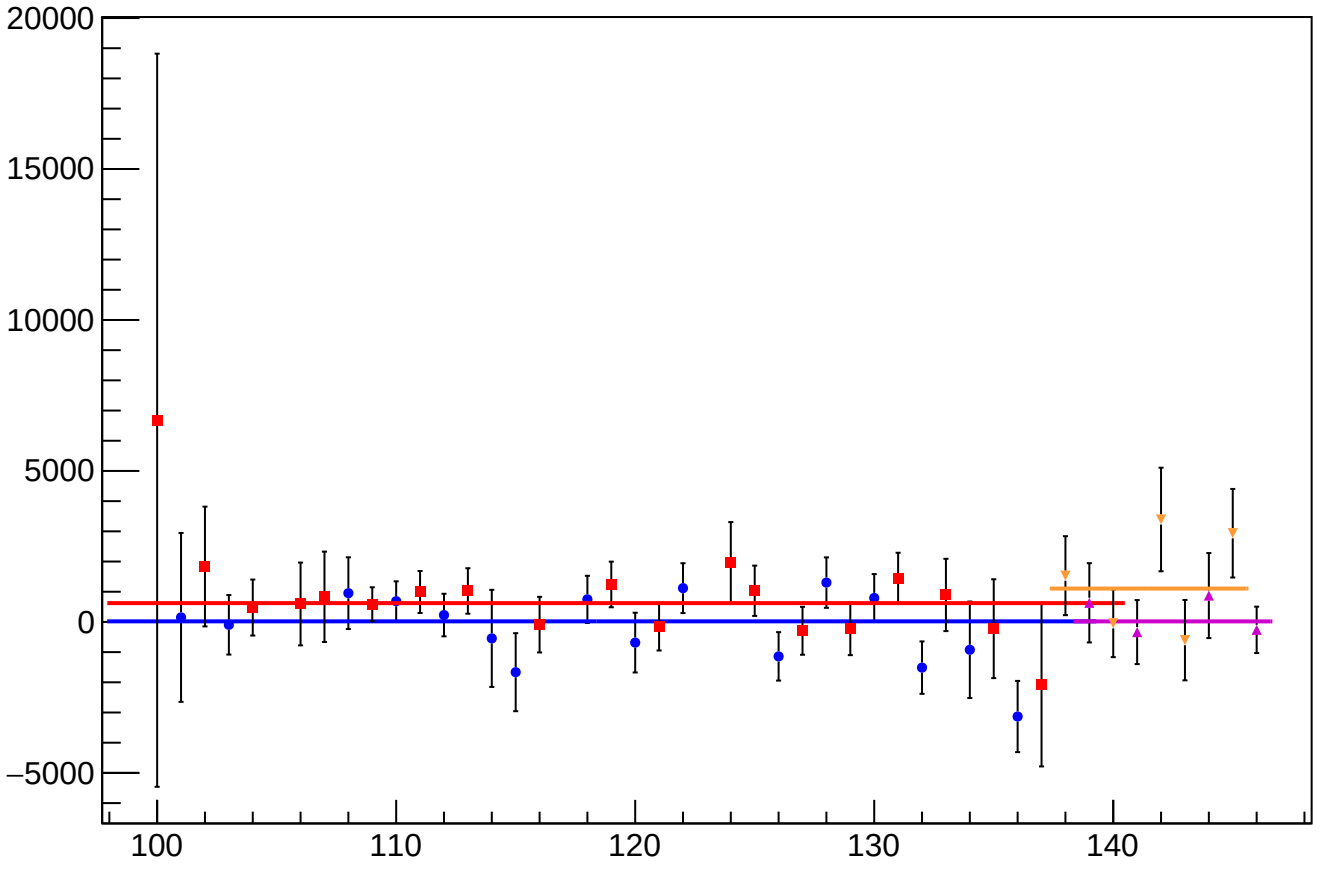
Left: 2724.938+/-0.717 χ^2/NDF: 489.1/8

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2777.205+/-0.609 χ^2/NDF:750405.8/19

Out: 2766.441+/-0.591 χ^2/NDF:149953.0/23

All: 2771.665+/-0.424 χ^2/NDF: 900519.6/43



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: 1104.589+/-603.063 χ^2/NDF:6.1/4

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 17.317+/-522.166 χ^2/NDF:0.8/3

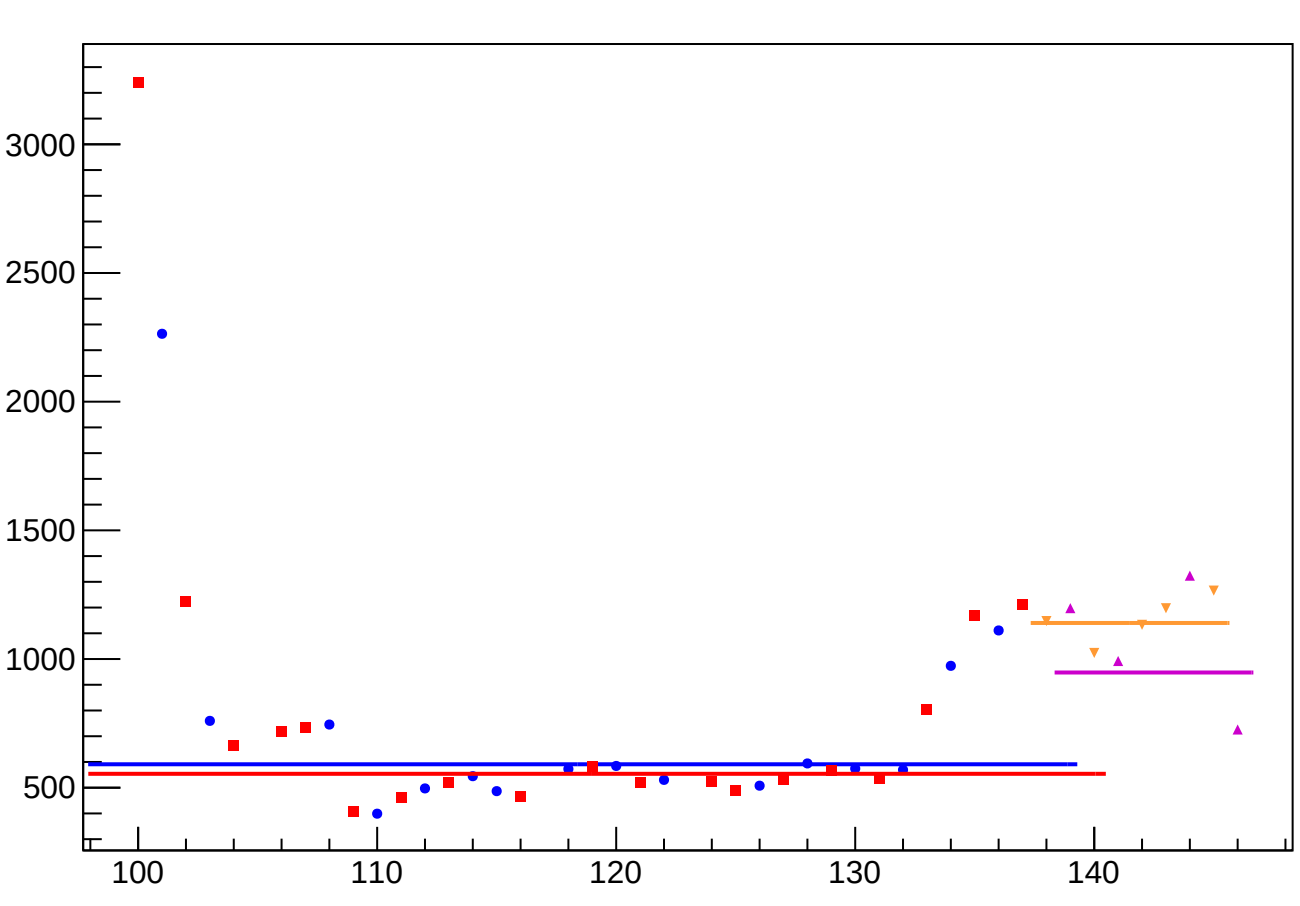
Left: 483.187+/-394.753 χ^2/NDF: 8.8/8

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 18.704+/-213.145 χ^2/NDF:23.6/19

Out: 677.829+/-203.307 χ^2/NDF:16.0/23

All: 363.830+/-147.115 χ^2/NDF: 44.6/43



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 1140.123+/-0.426 χ^2/NDF:40084.5/4

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 947.646+/-0.369 χ^2/NDF:385028.8/3

Left: 1030.118+/-0.279 χ^2/NDF: 541552.7/8

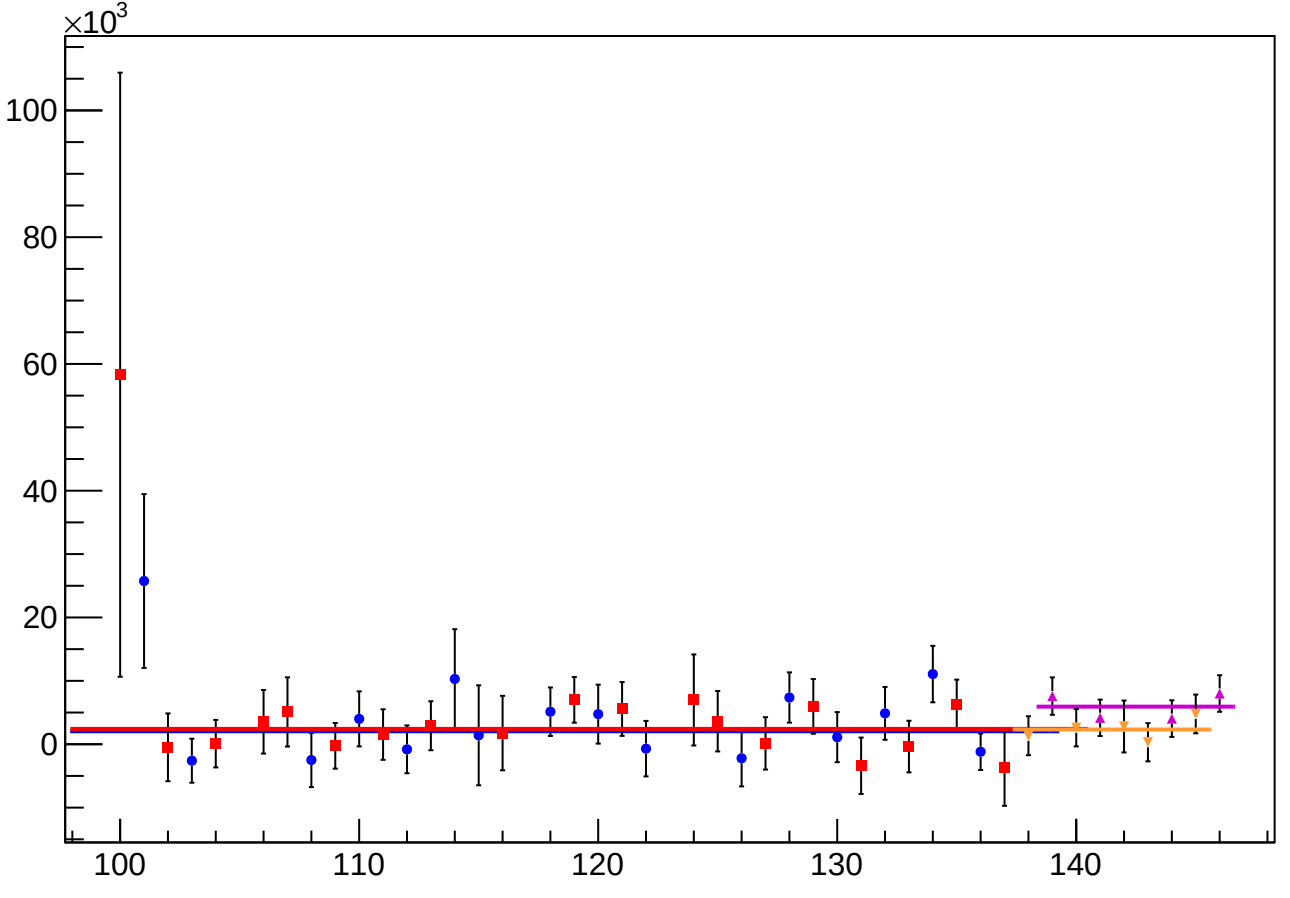
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 650.459+/-0.151 χ^2/NDF:2730062.2/19

Out: 620.598+/-0.144 χ^2/NDF:2831612.1/23

All: 634.824+/-0.104 χ^2/NDF: 5582228.9/43

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2320.312+/-1417.613 χ^2/NDF:1.2/4

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 5929.467+/-1449.731 χ^2/NDF:1.6/3

Left: 4084.468+/-1013.569 χ^2/NDF: 6.0/8

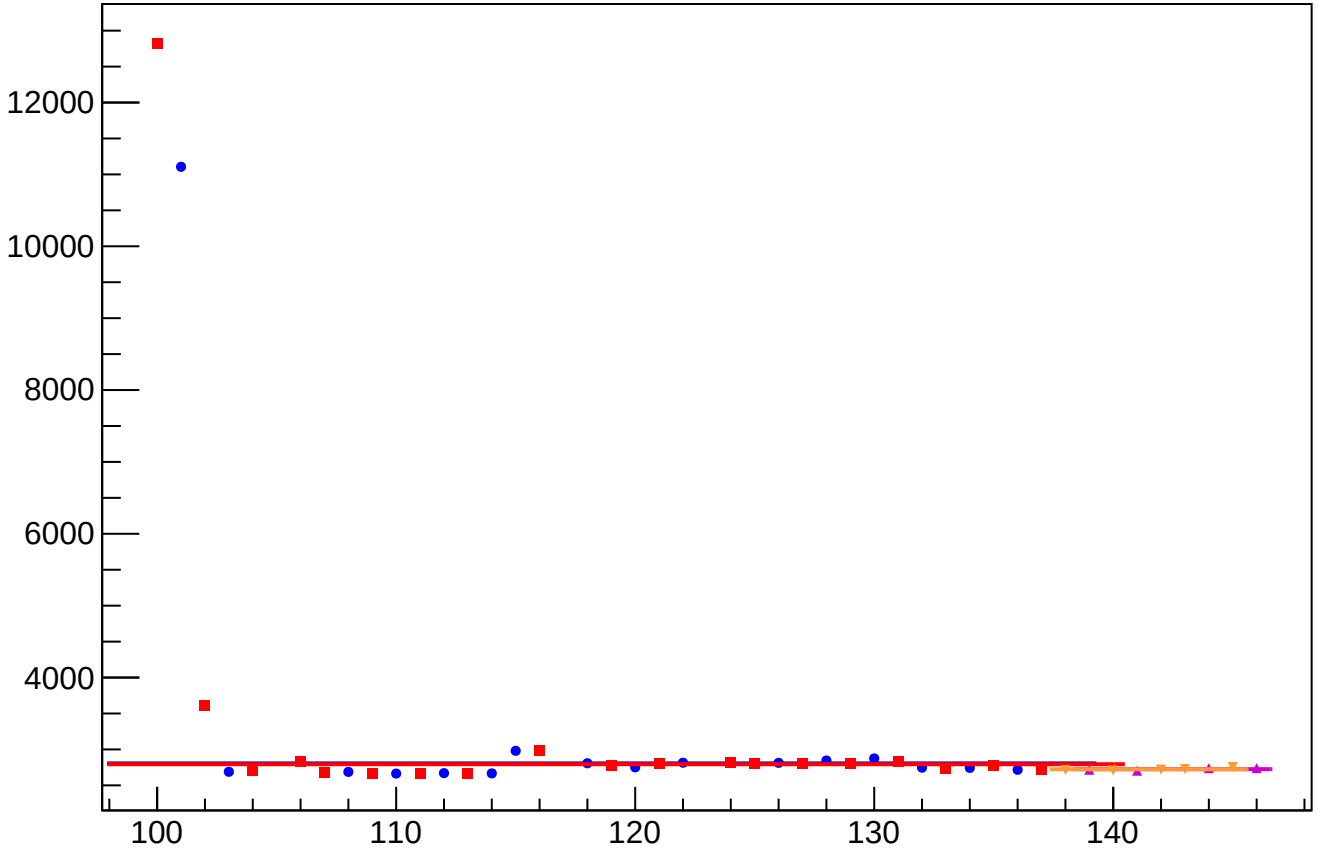
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 3417.874+/-861.111 χ^2/NDF:24.1/19

Out: 2383.852+/-837.418 χ^2/NDF:12.0/23

All: 2886.443+/-600.346 χ^2/NDF: 36.8/43

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2724.495+/-1.002 χ^2/NDF:269.4/4

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

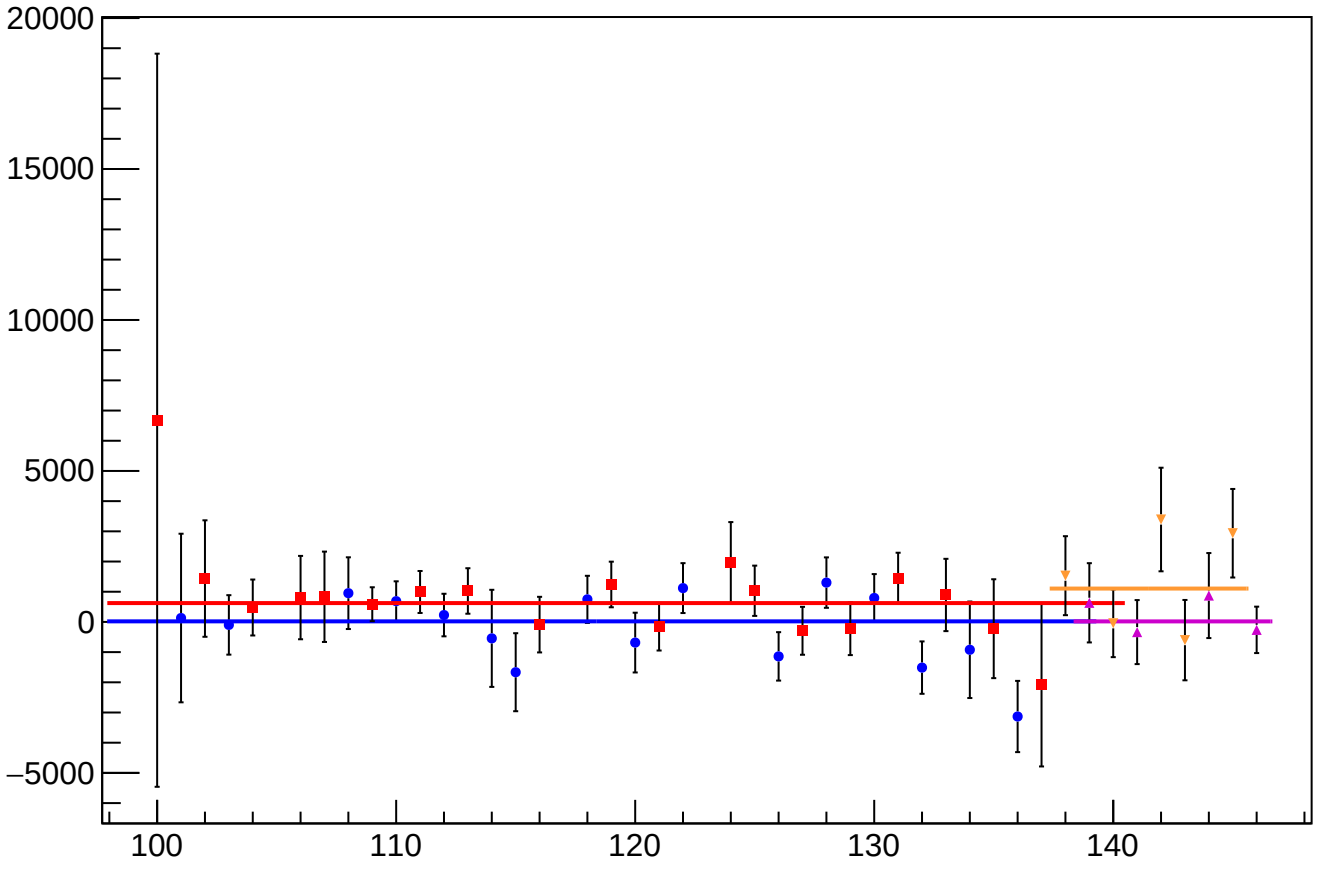
Left: 2724.938+/-0.717 χ^2/NDF: 489.1/8

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2777.205+/-0.609 χ^2/NDF:750404.9/19

Out: 2769.848+/-0.592 χ^2/NDF:150158.0/23

All: 2773.424+/-0.425 χ^2/NDF: 900637.9/43



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 1104.719+/-603.059 χ^2/NDF:6.1/4

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 17.305+/-522.167 χ^2/NDF:0.8/3

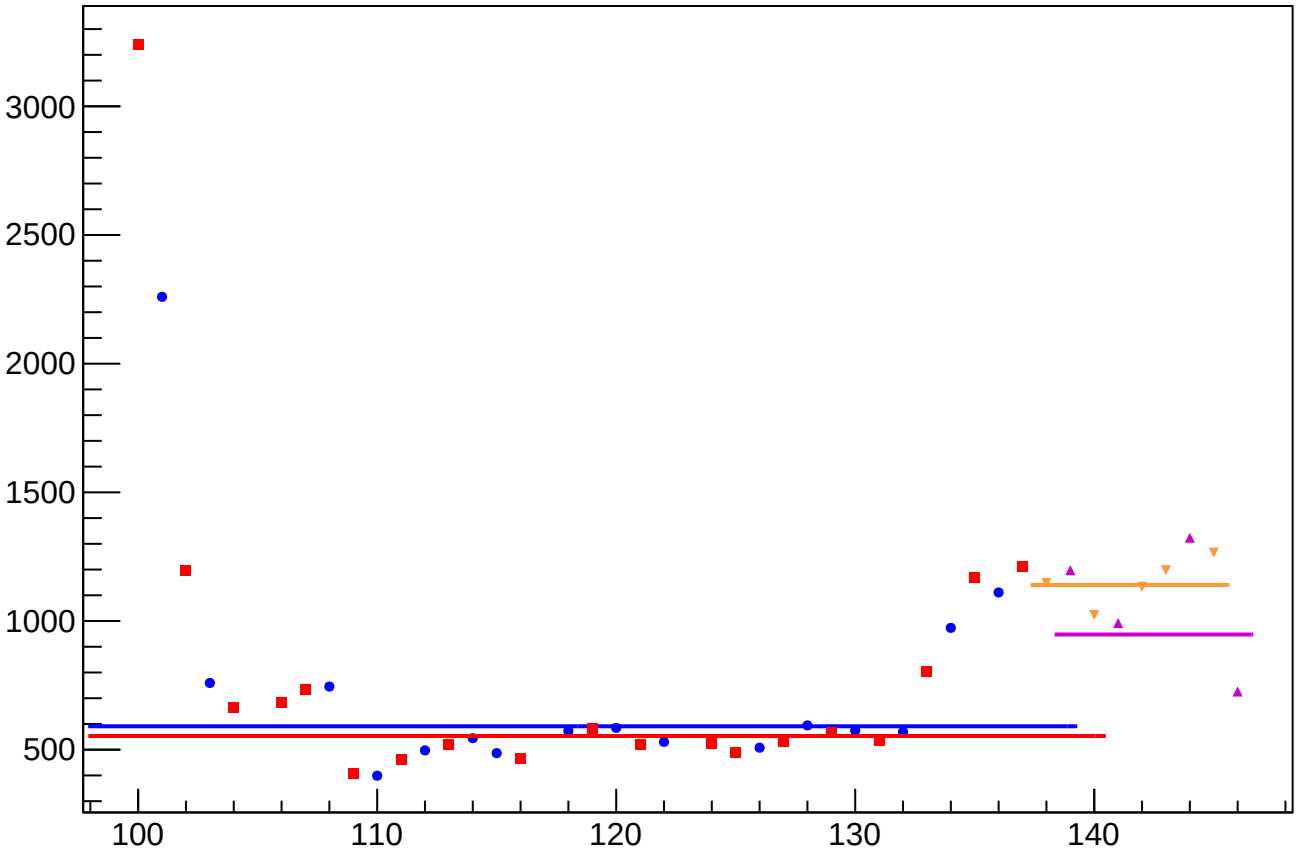
Left: 483.240+/-394.753 χ^2/NDF: 8.8/8

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 18.668+/-213.137 χ^2/NDF:23.6/19

Out: 678.807+/-203.268 χ^2/NDF:15.8/23

All: 364.374+/-147.097 χ^2/NDF: 44.4/43



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1140.114+/-0.426 χ^2/NDF:40077.6/4

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 947.645+/-0.369 χ^2/NDF:385033.4/3

Left: 1030.114+/-0.279 χ^2/NDF: 541540.8/8

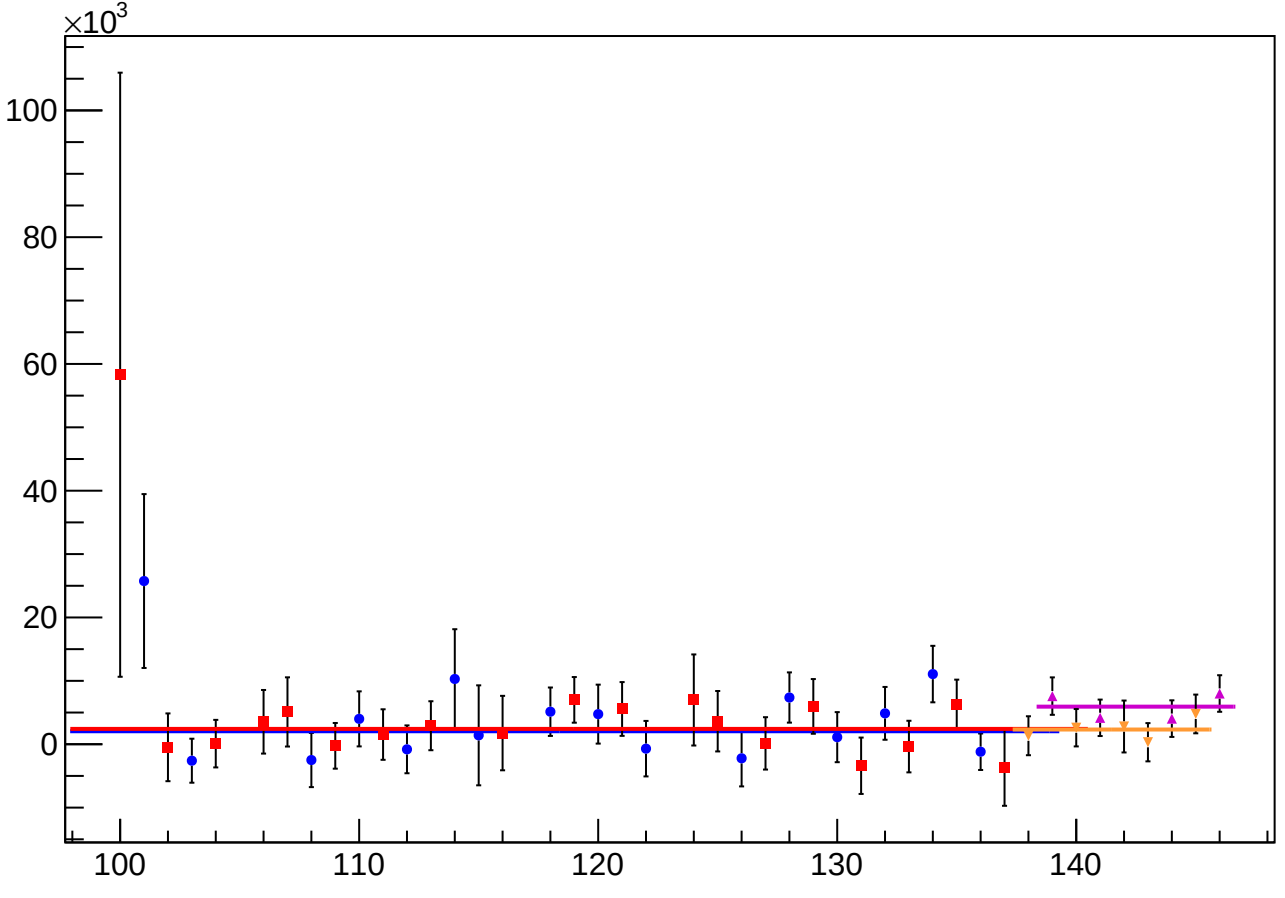
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 650.453+/-0.151 χ^2/NDF:2729053.2/19

Out: 619.908+/-0.144 χ^2/NDF:2820668.7/23

All: 634.457+/-0.104 χ^2/NDF: 5571232.3/43

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2320.312+/-1417.613 χ^2/NDF:1.2/4

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 5929.467+/-1449.731 χ^2/NDF:1.6/3

Left: 4084.468+/-1013.569 χ^2/NDF: 6.0/8

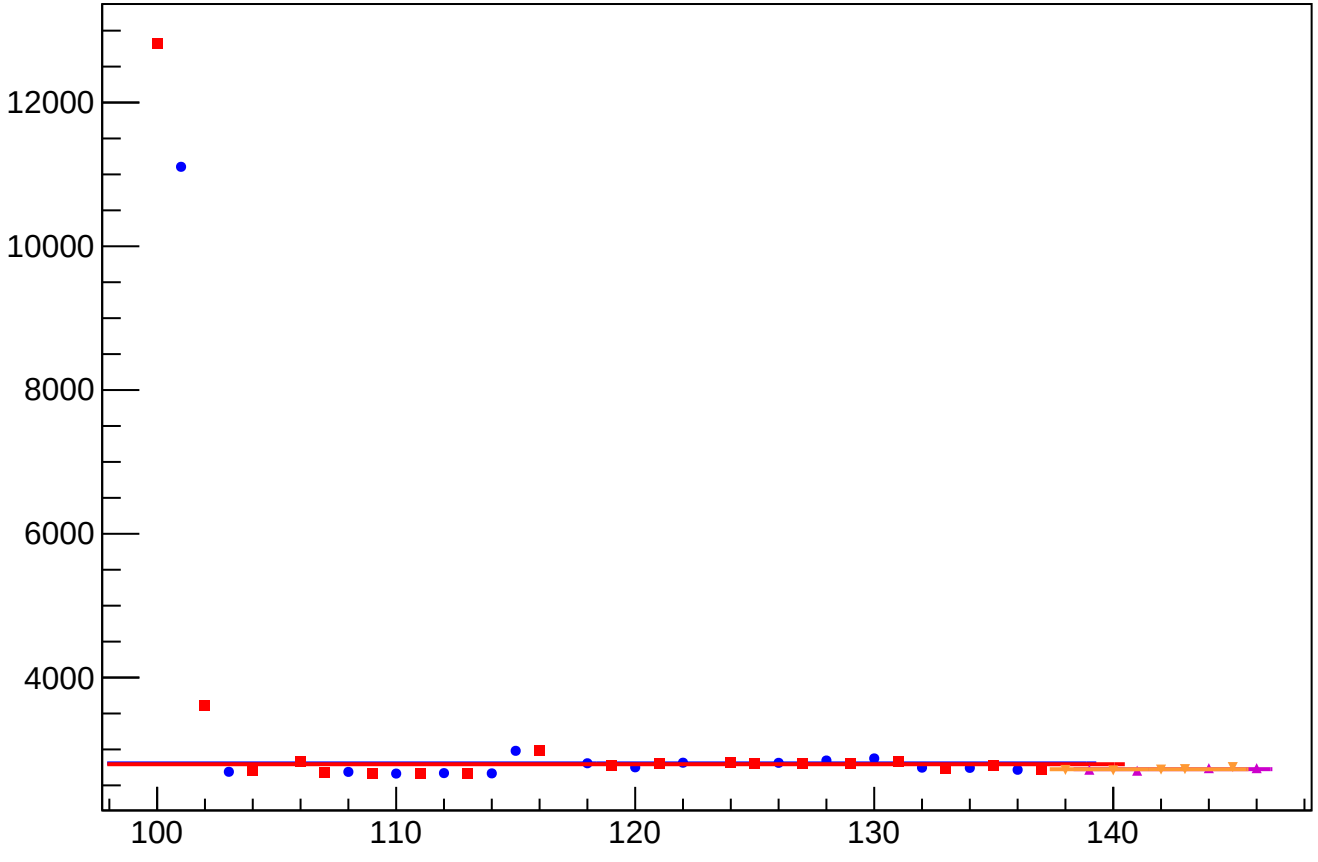
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 3417.874+/-861.111 χ^2/NDF:24.1/19

Out: 2383.852+/-837.418 χ^2/NDF:12.0/23

All: 2886.443+/-600.346 χ^2/NDF: 36.8/43

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2724.495+/-1.002 χ^2/NDF:269.4/4

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

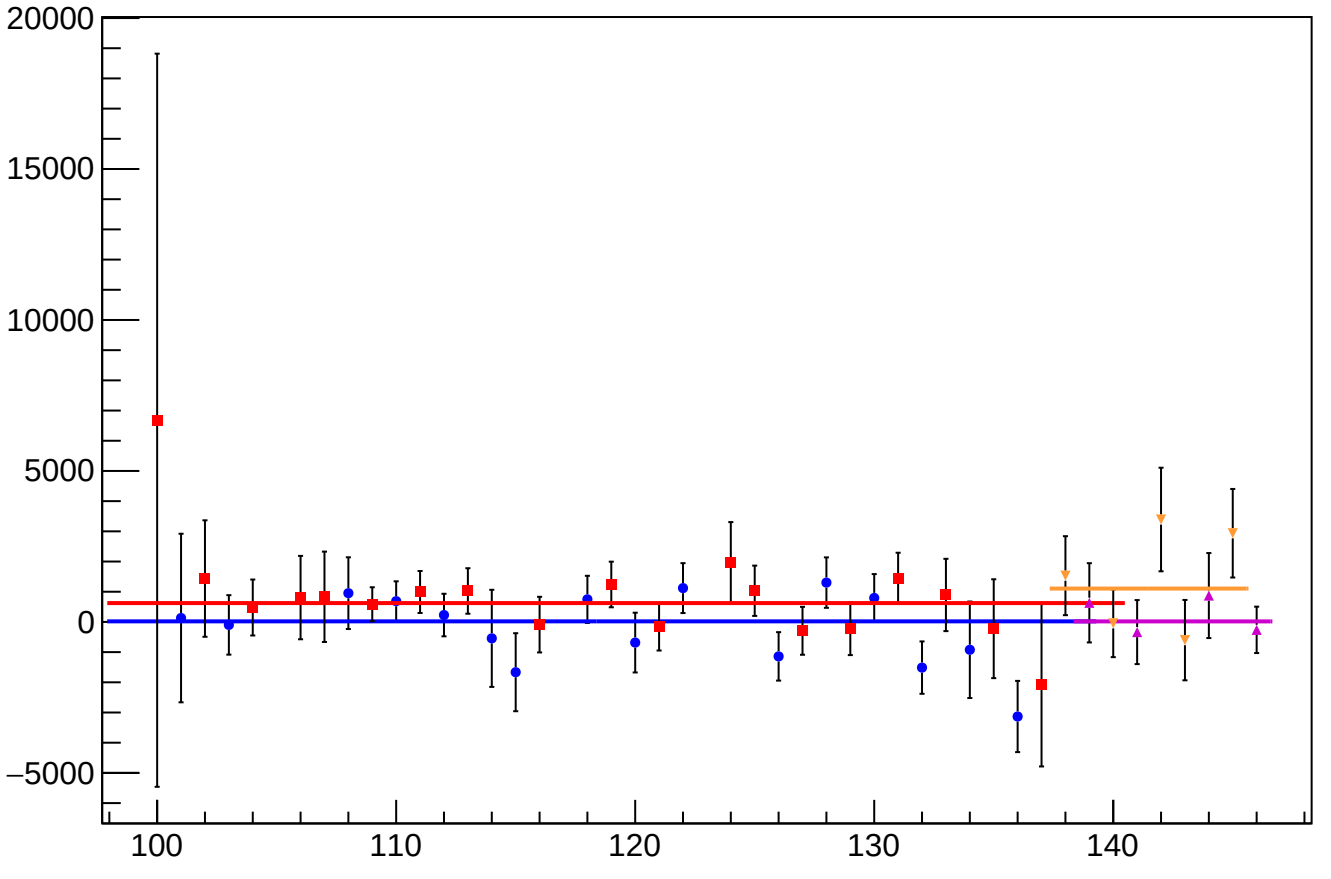
Left: 2724.938+/-0.717 χ^2/NDF: 489.1/8

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2777.205+/-0.609 χ^2/NDF:750404.9/19

Out: 2769.848+/-0.592 χ^2/NDF:150158.0/23

All: 2773.424+/-0.425 χ^2/NDF: 900637.9/43



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: 1104.719+/-603.059 χ^2/NDF:6.1/4

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 17.305+/-522.167 χ^2/NDF:0.8/3

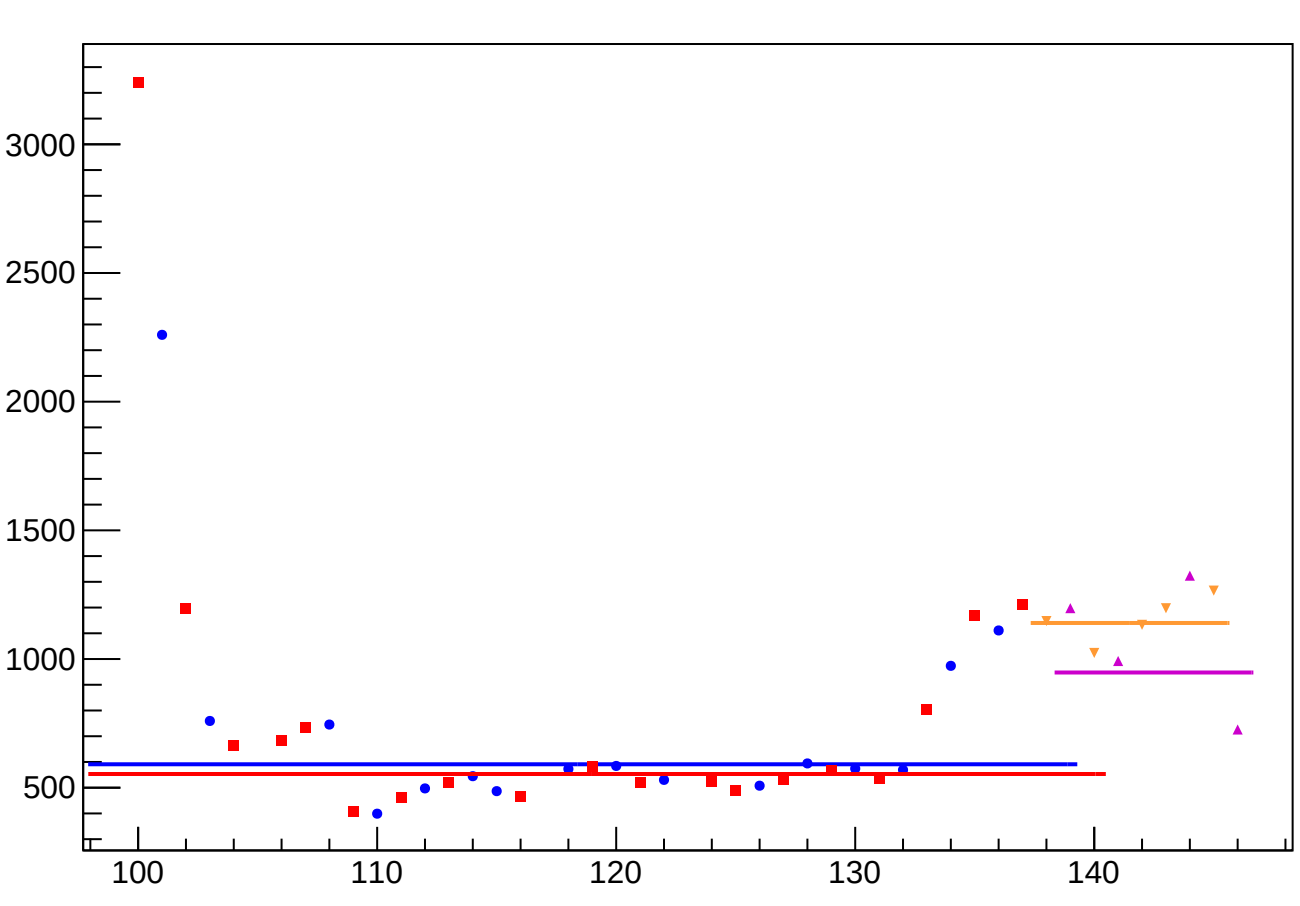
Left: 483.240+/-394.753 χ^2/NDF: 8.8/8

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 18.668+/-213.137 χ^2/NDF:23.6/19

Out: 678.807+/-203.268 χ^2/NDF:15.8/23

All: 364.374+/-147.097 χ^2/NDF: 44.4/43



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 1140.114+/-0.426 χ^2/NDF:40077.6/4

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 947.645+/-0.369 χ^2/NDF:385033.4/3

Left: 1030.114+/-0.279 χ^2/NDF: 541540.8/8

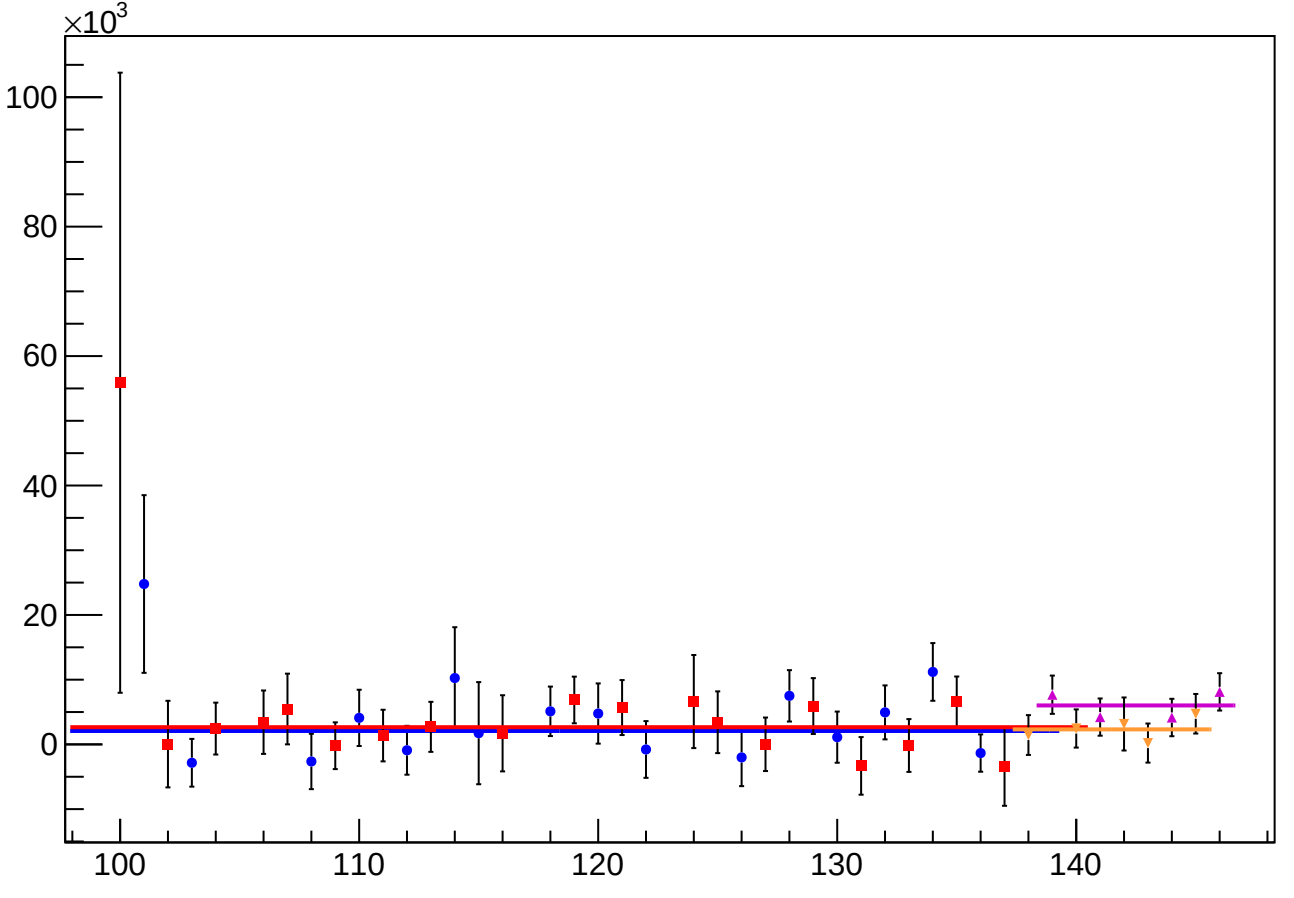
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 650.453+/-0.151 χ^2/NDF:2729053.2/19

Out: 619.908+/-0.144 χ^2/NDF:2820668.7/23

All: 634.457+/-0.104 χ^2/NDF: 5571232.3/43

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2319.627+/-1419.072 χ^2/NDF:1.2/4

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 6019.407+/-1451.078 χ^2/NDF:1.6/3

Left: 4128.265+/-1014.562 χ^2/NDF: 6.2/8

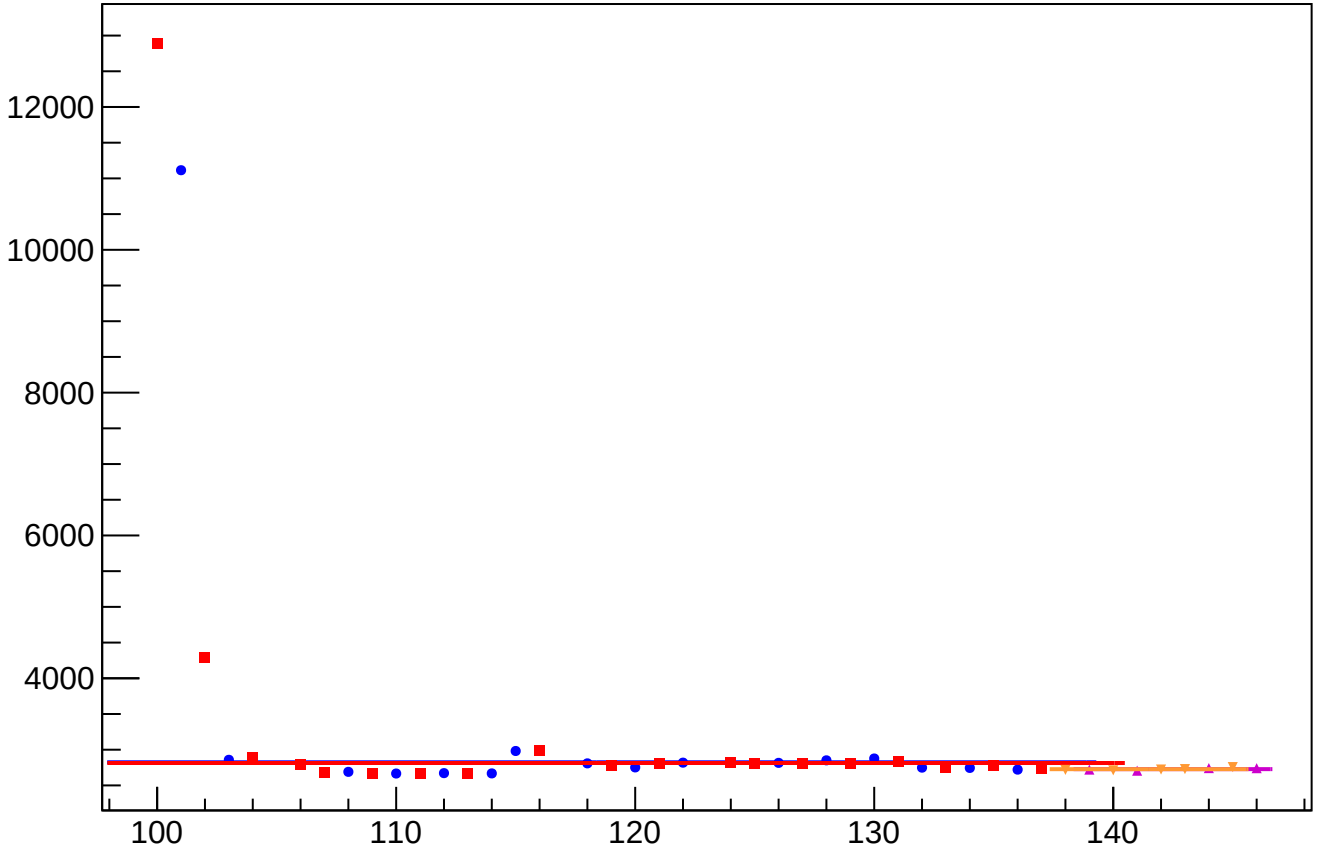
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 3476.212+/-864.919 χ^2/NDF:24.3/19

Out: 2537.855+/-843.998 χ^2/NDF:11.2/23

All: 2995.548+/-604.057 χ^2/NDF: 36.1/43

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2727.292+/-1.003 χ^2/NDF:265.6/4

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2727.907+/-1.026 χ^2/NDF:217.4/3

Left: 2727.593+/-0.717 χ^2/NDF: 483.2/8

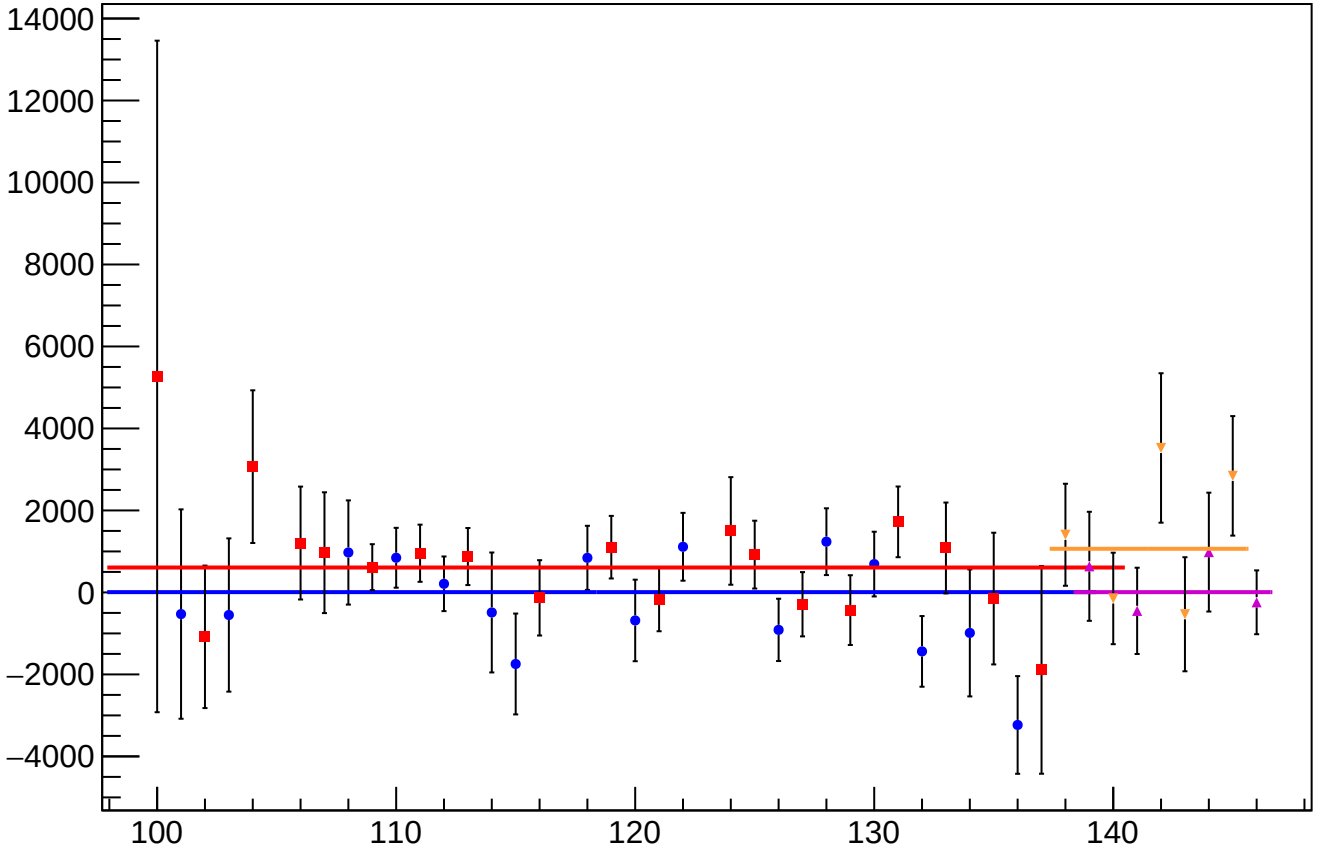
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2789.504+/-0.612 χ^2/NDF:749723.4/19

Out: 2783.213+/-0.597 χ^2/NDF:205583.3/23

All: 2786.282+/-0.427 χ^2/NDF: 955360.9/43

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: 1064.801+/-604.450 χ^2/NDF:5.9/4

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 6.778+/-527.554 χ^2/NDF:1.0/3

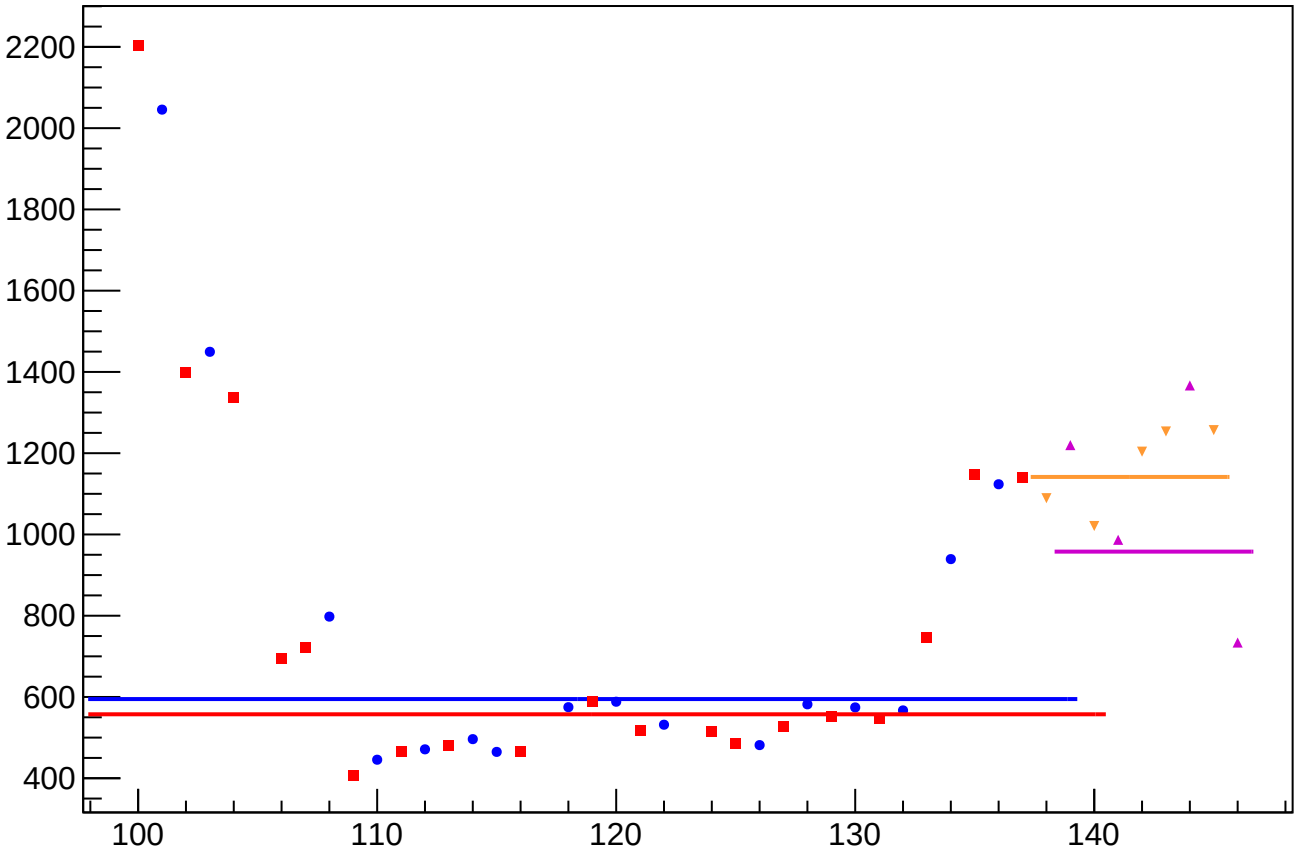
Left: 464.249+/-397.461 χ^2/NDF: 8.6/8

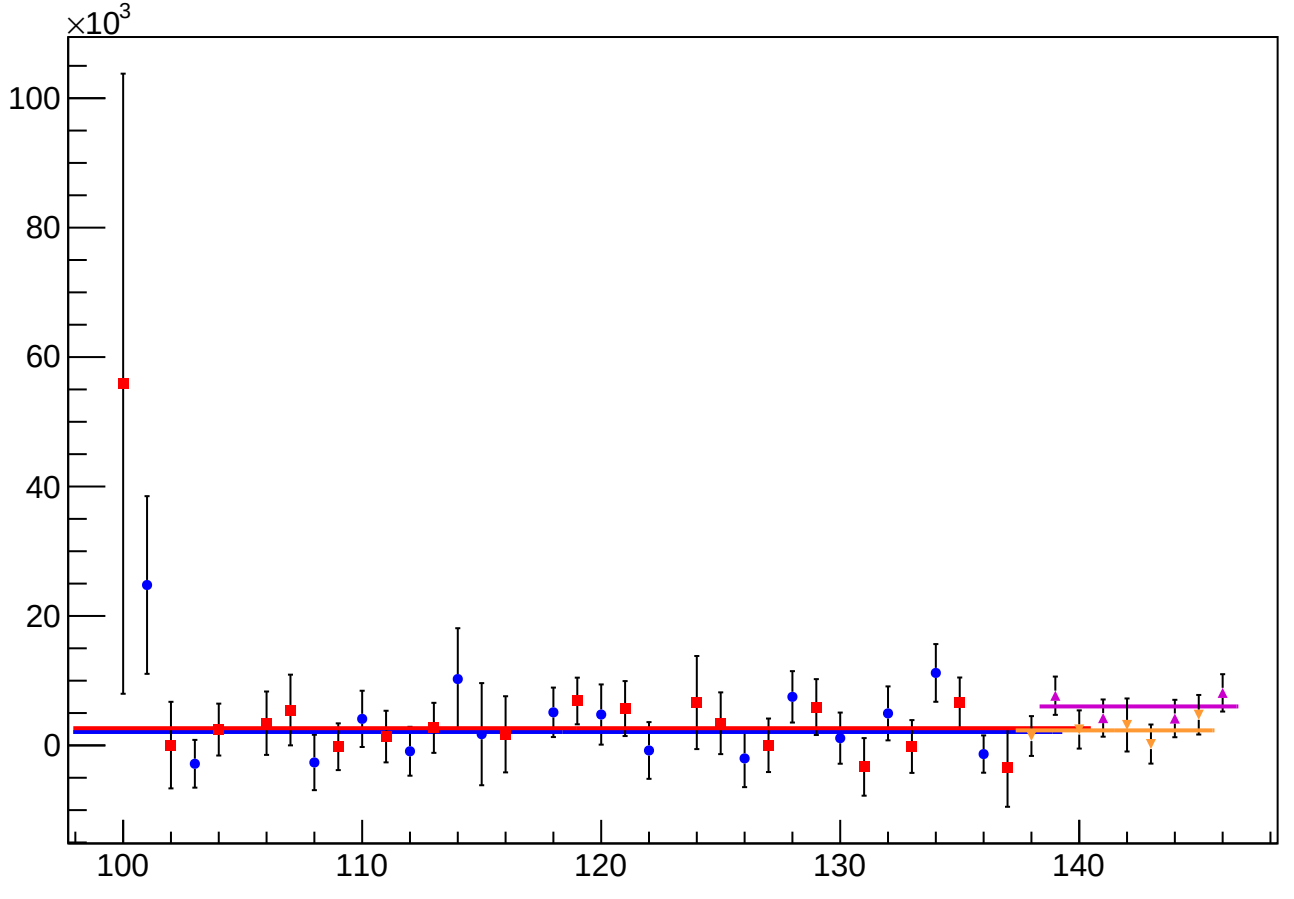
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 7.003+/-216.532 χ^2/NDF:23.8/19

Out: 659.880+/-204.315 χ^2/NDF:18.5/23

All: 352.377+/-148.604 χ^2/NDF: 47.1/43


asym_atr1_dit_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
Right In: 594.858+/-0.168 χ²/NDF: 1852655.3/15
Left Out: 1141.558+/-0.427 χ²/NDF:54711.8/4
Right Out: 557.397+/-0.154 χ²/NDF: 1631309.6/18
Left In: 957.738+/-0.373 χ²/NDF:403529.9/3
Left: 1037.219+/-0.281 χ²/NDF: 563232.1/8
Right: 574.453+/-0.113 χ²/NDF: 3511078.0/34
In: 655.990+/-0.153 χ²/NDF:3043055.2/19
Out: 624.141+/-0.144 χ²/NDF:3340578.7/23
All: 639.142+/-0.105 χ²/NDF: 6406523.6/43



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2319.630+/-1419.072 χ^2/NDF:1.2/4

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 6019.407+/-1451.078 χ^2/NDF:1.6/3

Left: 4128.267+/-1014.562 χ^2/NDF: 6.2/8

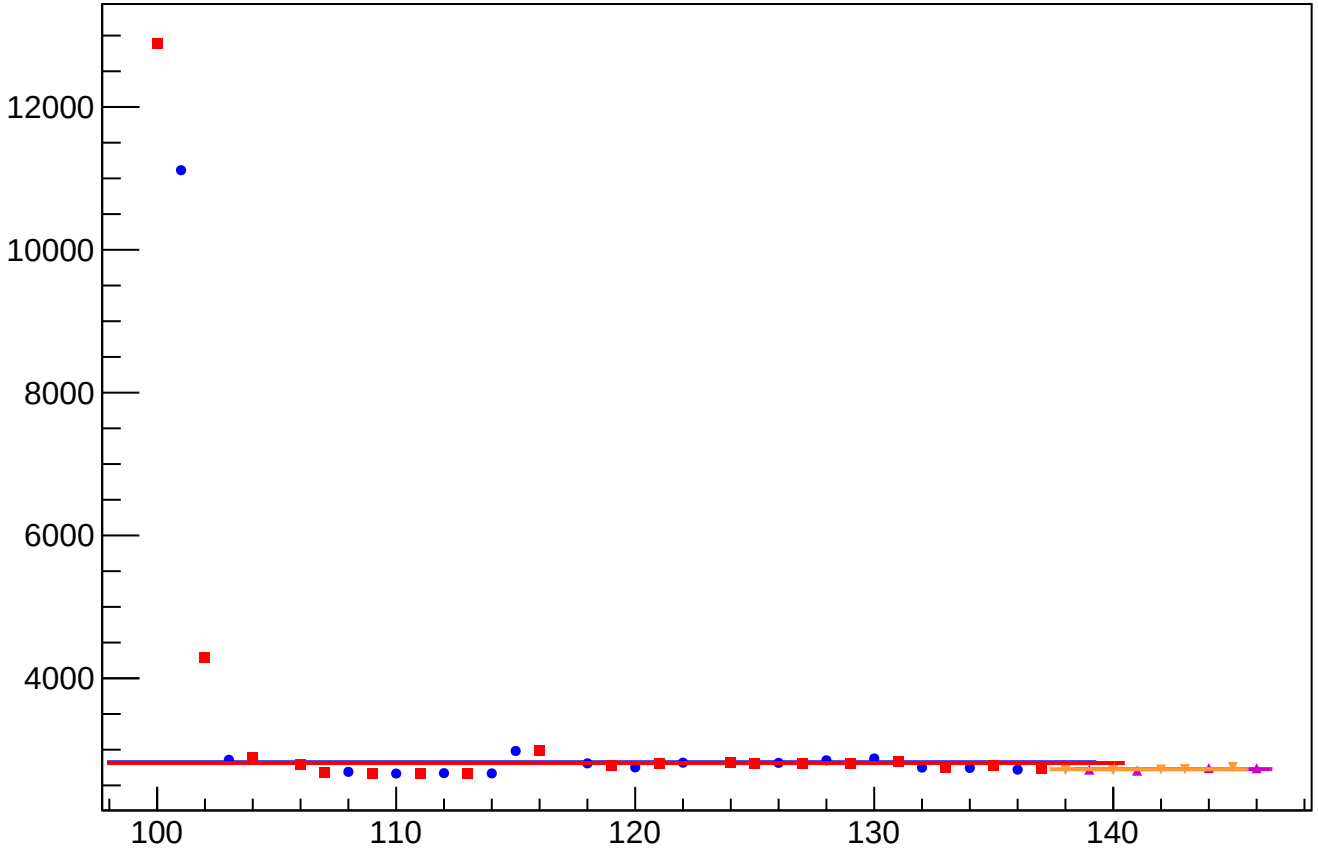
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 3476.212+/-864.919 χ^2/NDF:24.3/19

Out: 2537.855+/-843.998 χ^2/NDF:11.2/23

All: 2995.548+/-604.057 χ^2/NDF: 36.1/43

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2727.292+/-1.003 χ^2/NDF:265.6/4

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2727.907+/-1.026 χ^2/NDF:217.4/3

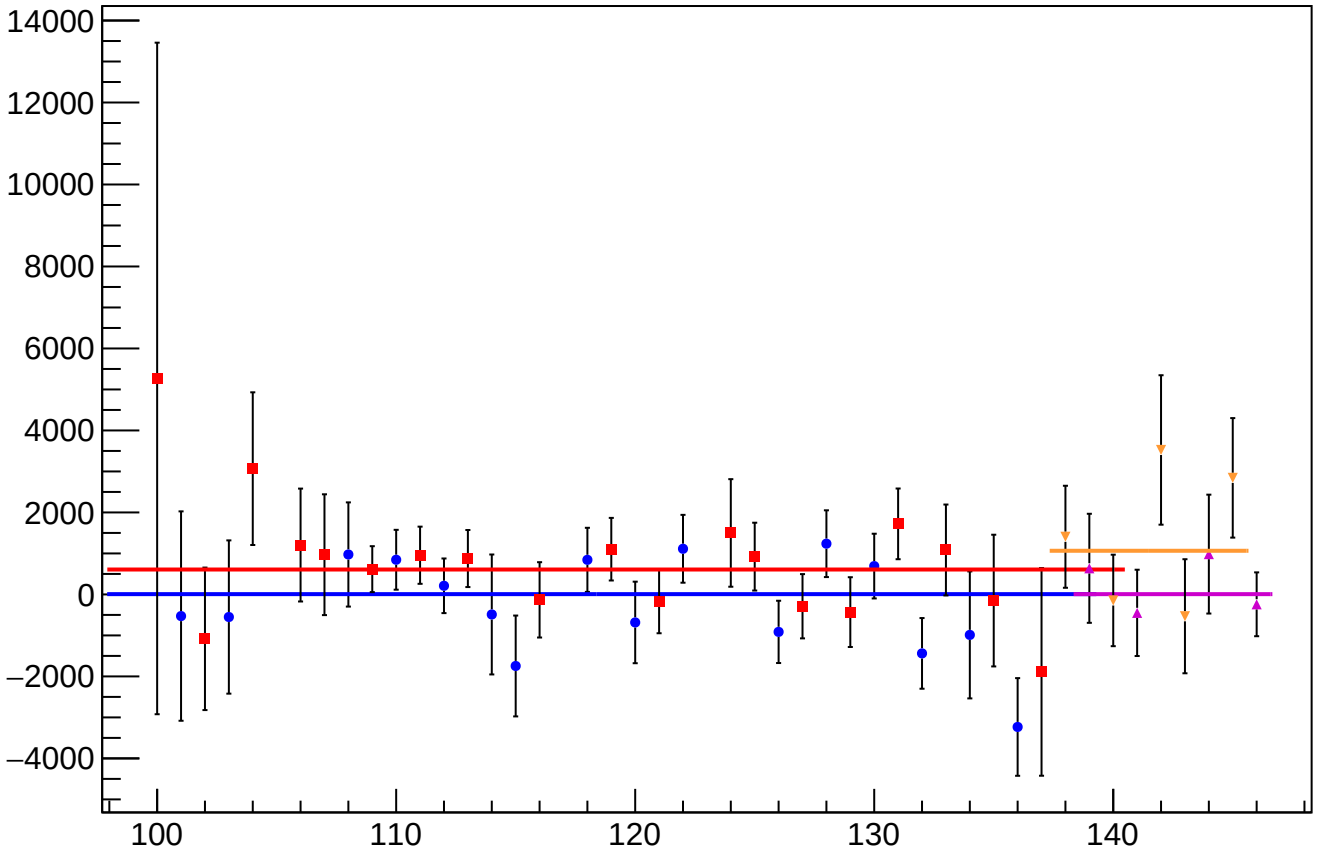
Left: 2727.593+/-0.717 χ^2/NDF: 483.2/8

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2789.504+/-0.612 χ^2/NDF:749723.3/19

Out: 2783.213+/-0.597 χ^2/NDF:205583.1/23

All: 2786.282+/-0.427 χ^2/NDF: 955360.6/43



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: 1064.802+/-604.451 χ^2/NDF:5.9/4

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 6.778+/-527.555 χ^2/NDF:1.0/3

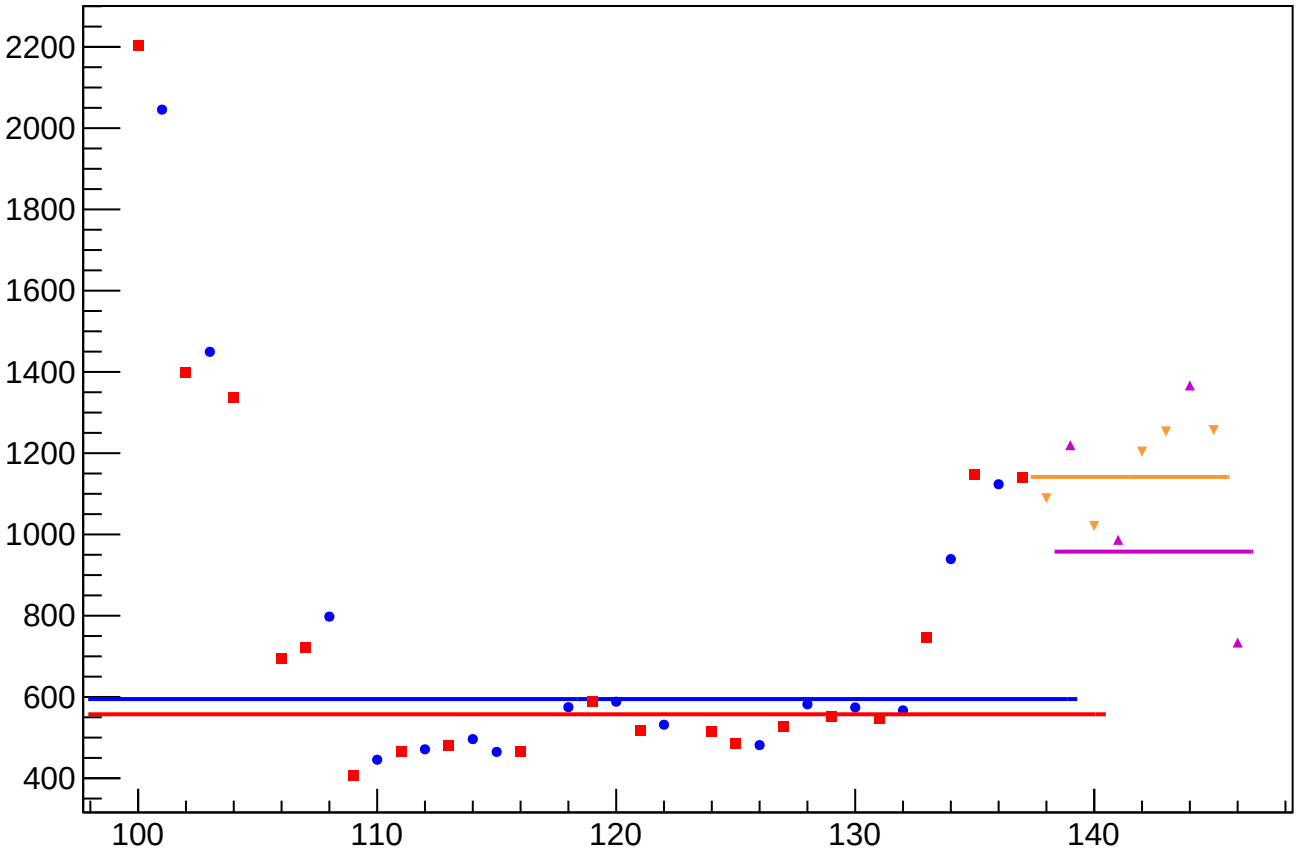
Left: 464.250+/-397.462 χ^2/NDF: 8.6/8

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 7.003+/-216.532 χ^2/NDF:23.8/19

Out: 659.880+/-204.315 χ^2/NDF:18.5/23

All: 352.378+/-148.604 χ^2/NDF: 47.1/43



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 1141.559+/-0.427 χ^2/NDF:54712.8/4

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 957.739+/-0.373 χ^2/NDF:403529.7/3

Left: 1037.219+/-0.281 χ^2/NDF: 563232.6/8

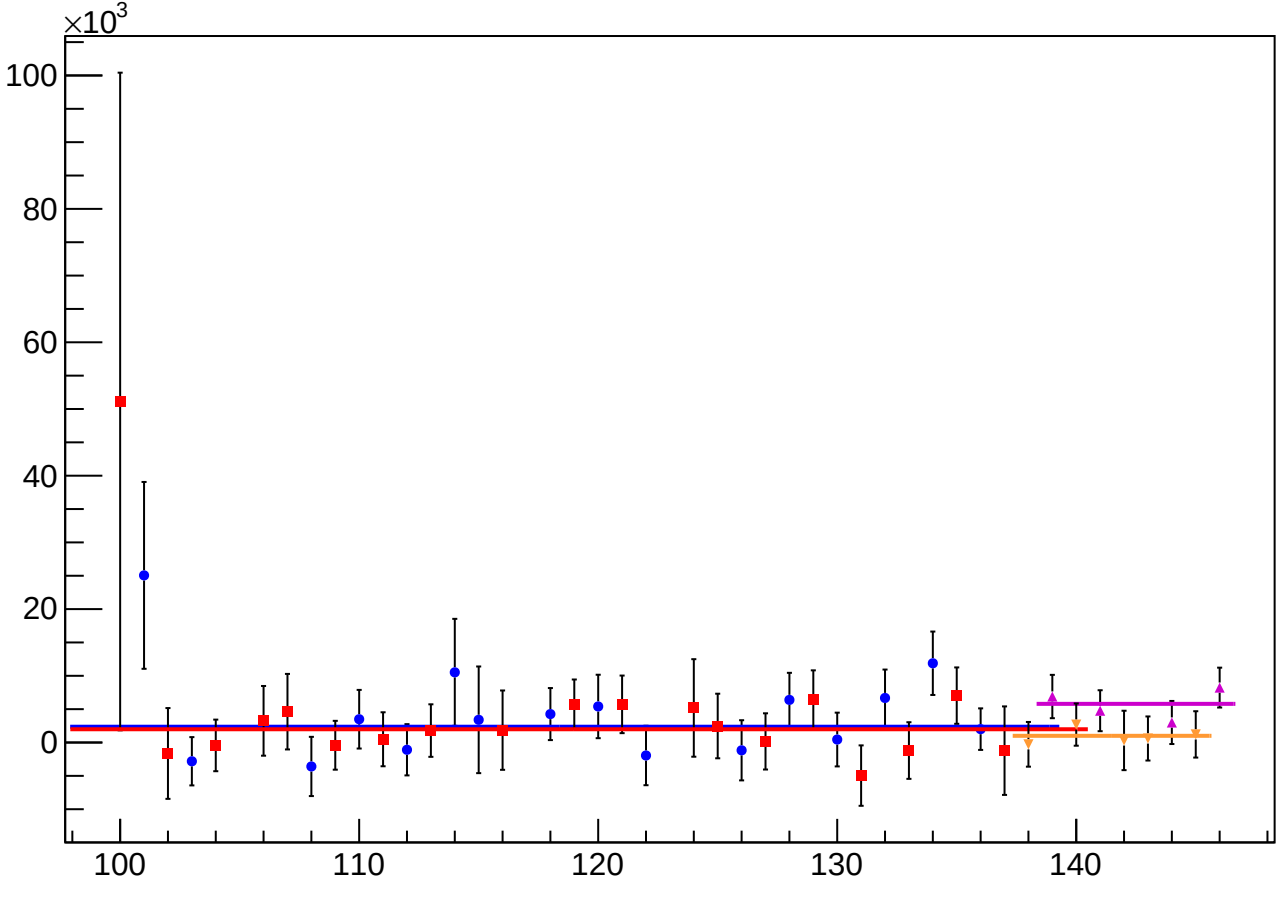
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 655.991+/-0.153 χ^2/NDF:3043049.6/19

Out: 624.141+/-0.144 χ^2/NDF:3340577.7/23

All: 639.142+/-0.105 χ^2/NDF: 6406517.5/43

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 1004.423+/-1554.562 χ^2/NDF:0.5/4

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 5794.825+/-1564.233 χ^2/NDF:1.6/3

Left: 3384.770+/-1102.645 χ^2/NDF: 6.8/8

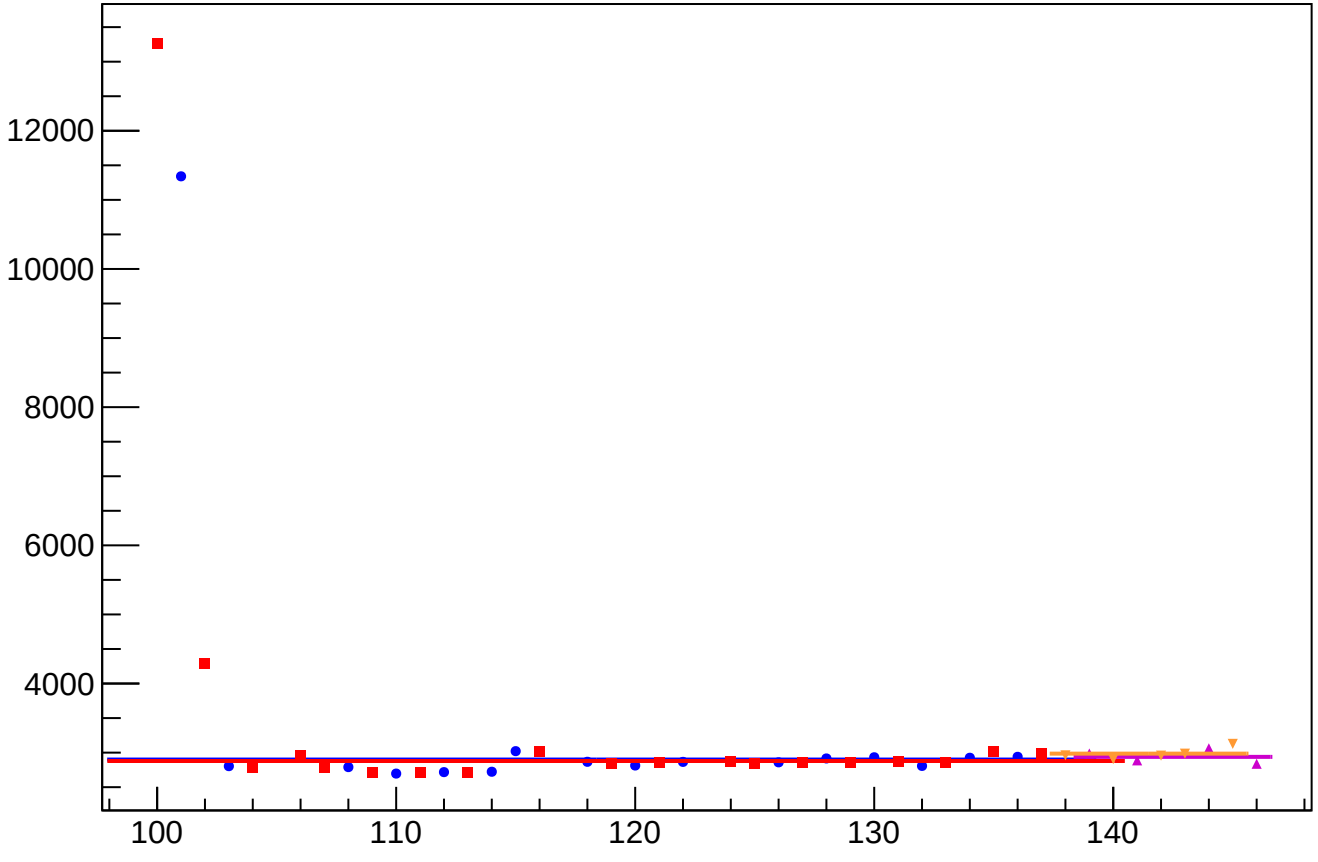
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 3509.893+/-903.177 χ^2/NDF:21.7/19

Out: 1669.042+/-884.358 χ^2/NDF:11.0/23

All: 2570.089+/-631.884 χ^2/NDF: 34.8/43

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2985.382+/-1.099 χ^2/NDF:4785.7/4

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2938.671+/-1.106 χ^2/NDF:6161.6/3

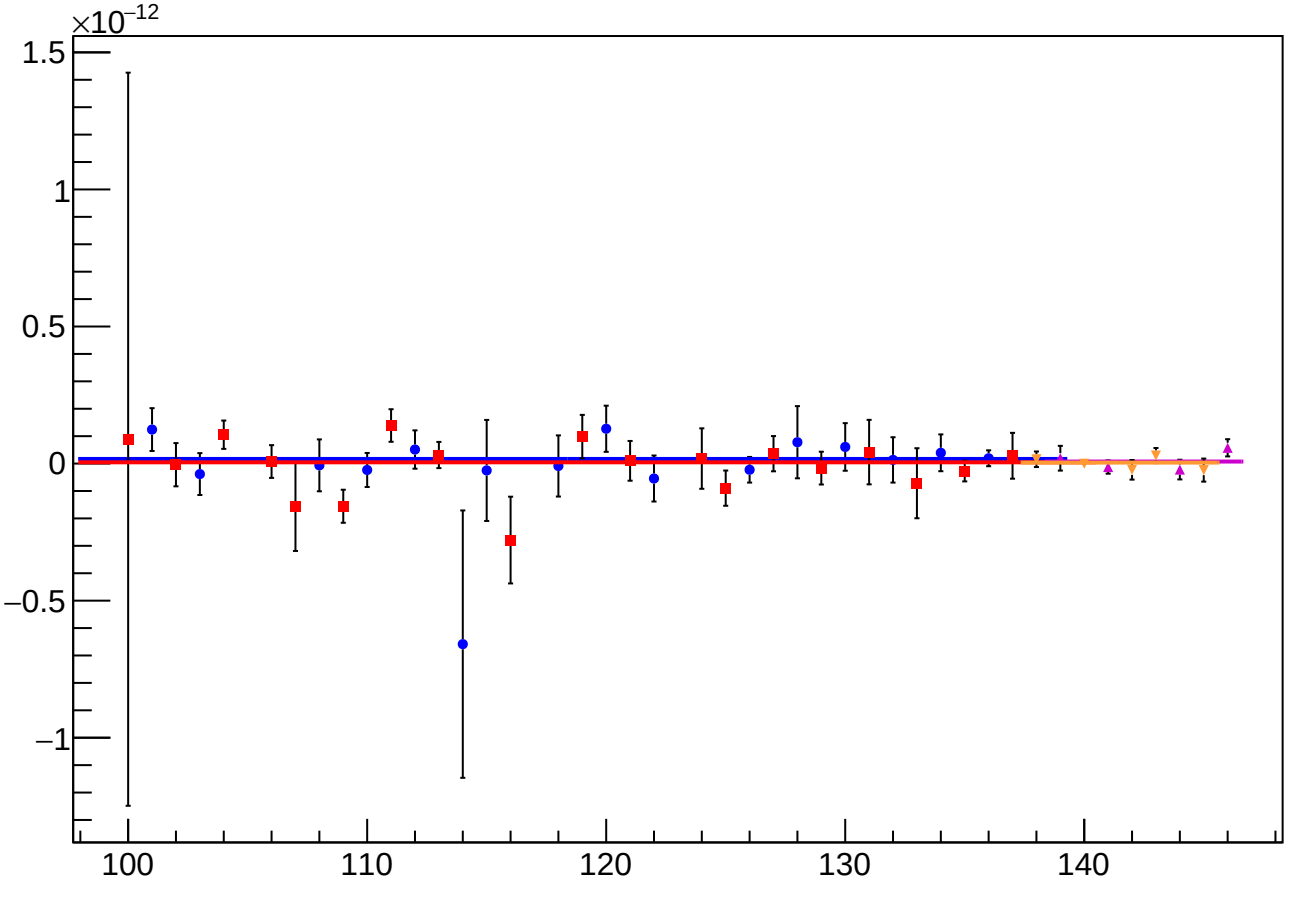
Left: 2962.171+/-0.780 χ^2/NDF: 11844.6/8

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2912.777+/-0.639 χ^2/NDF:748801.9/19

Out: 2913.398+/-0.625 χ^2/NDF:204408.1/23

All: 2913.094+/-0.447 χ^2/NDF: 953210.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/3

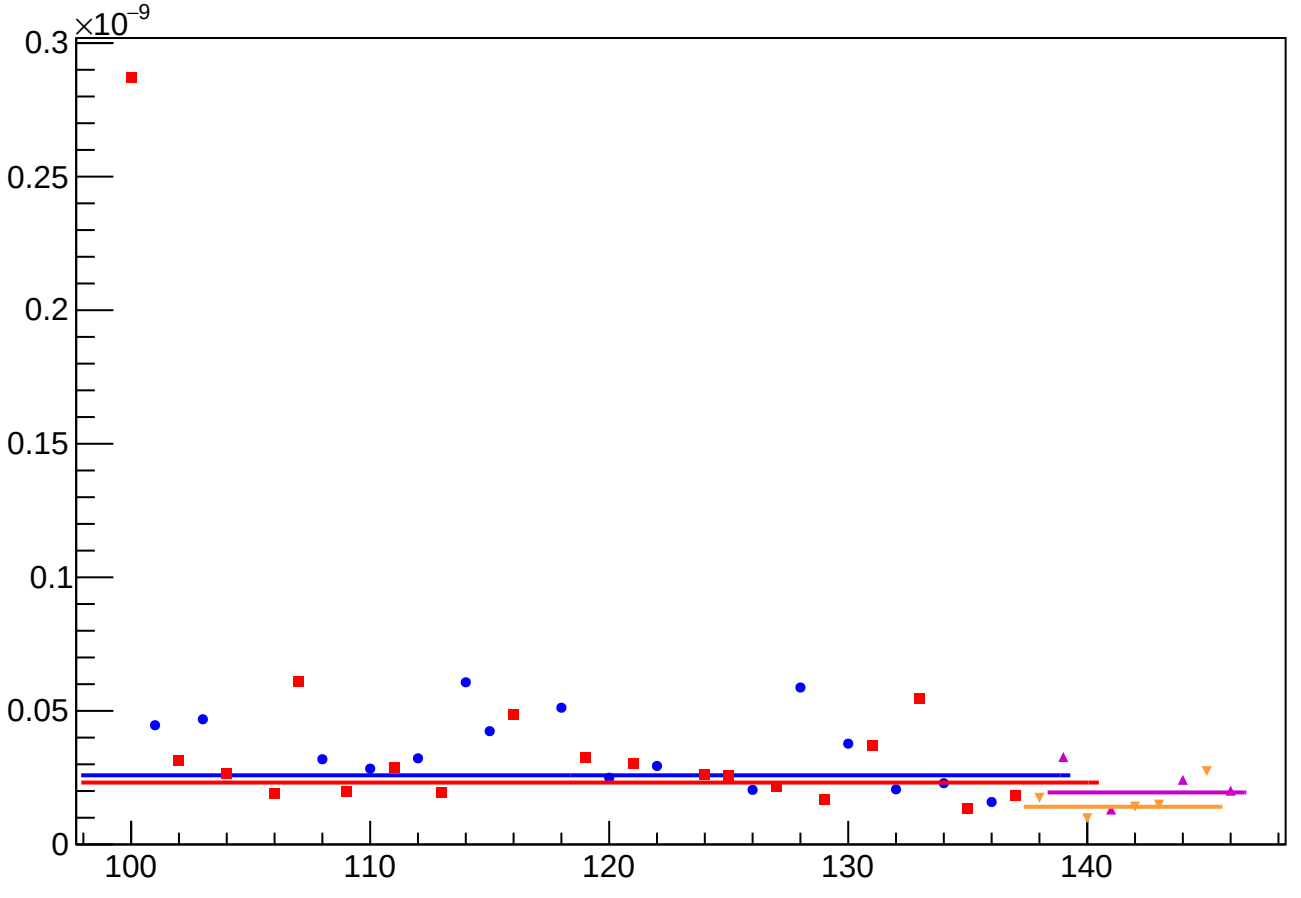
Left: 0.000+/-0.000 χ^2/NDF: 6.1/8

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:13.0/19

Out: 0.000+/-0.000 χ^2/NDF:27.8/23

All: 0.000+/-0.000 χ^2/NDF: 41.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:339236.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:347574.8/3

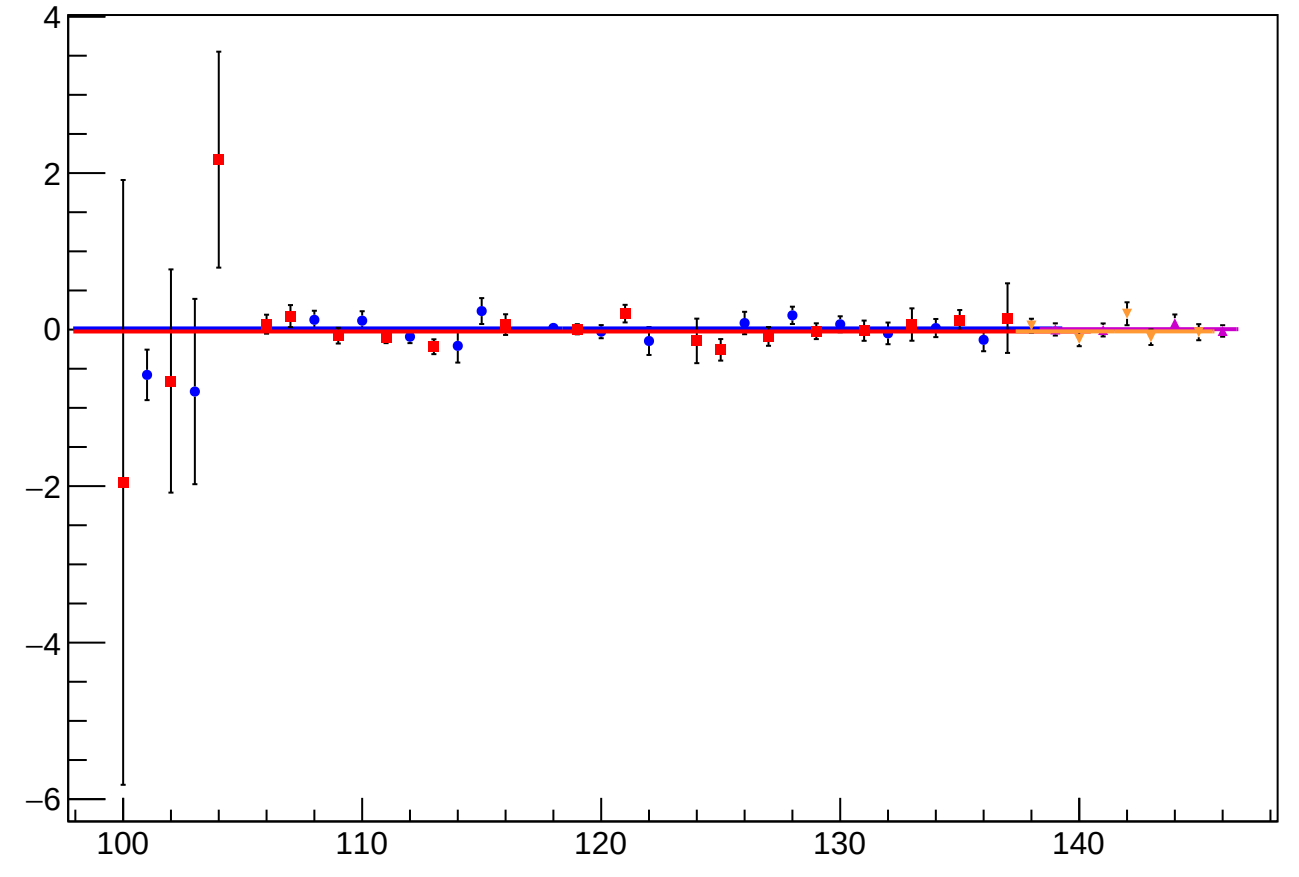
Left: 0.000+/-0.000 χ^2/NDF: 831595.3/8

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1366575.2/19

Out: 0.000+/-0.000 χ^2/NDF:1447348.0/23

All: 0.000+/-0.000 χ^2/NDF: 3035589.4/43



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.023+/-0.045 χ^2/NDF:4.8/4

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.005+/-0.042 χ^2/NDF:0.6/3

Left: -0.008+/-0.031 χ^2/NDF: 5.6/8

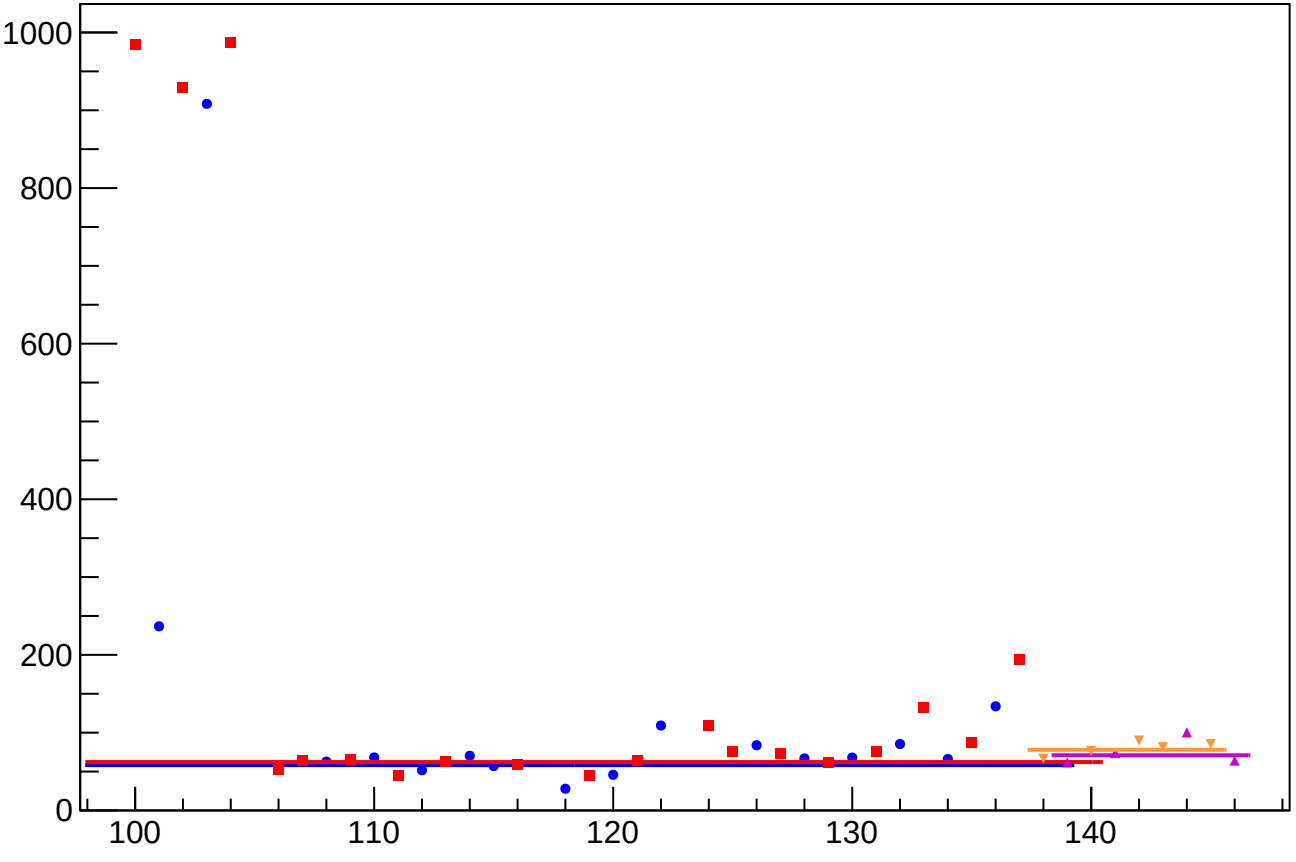
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.023 χ^2/NDF:15.7/19

Out: -0.024+/-0.024 χ^2/NDF:25.6/23

All: -0.005+/-0.017 χ^2/NDF: 42.4/43

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 77.922+/-0.032 χ^2/NDF:59585.6/4

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 70.948+/-0.029 χ^2/NDF:187956.9/3

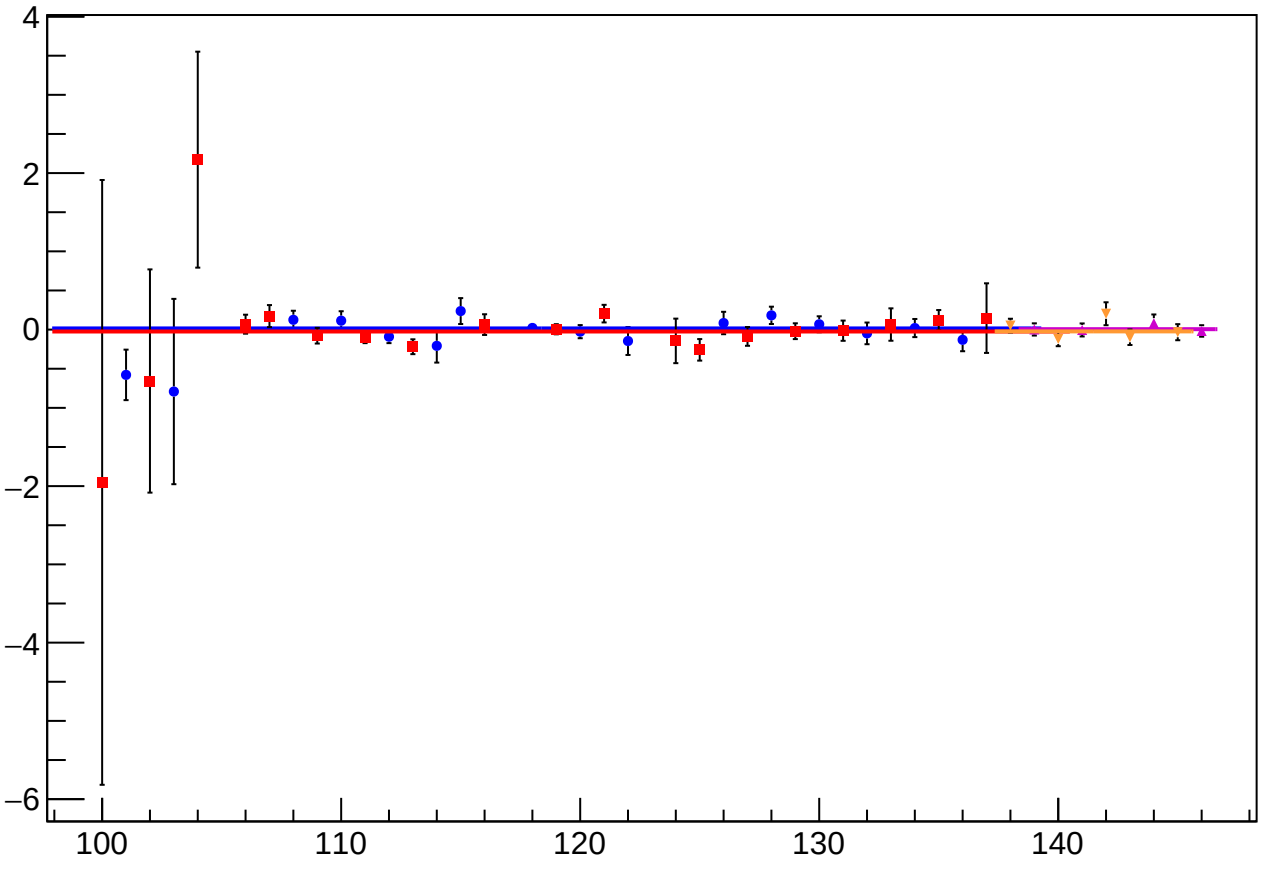
Left: 74.162+/-0.022 χ^2/NDF: 273319.2/8

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 62.206+/-0.016 χ^2/NDF:3575380.5/19

Out: 66.605+/-0.017 χ^2/NDF:2861127.1/23

All: 64.344+/-0.012 χ^2/NDF: 6471605.9/43



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.023+/-0.045 χ^2/NDF:4.8/4

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.005+/-0.042 χ^2/NDF:0.6/3

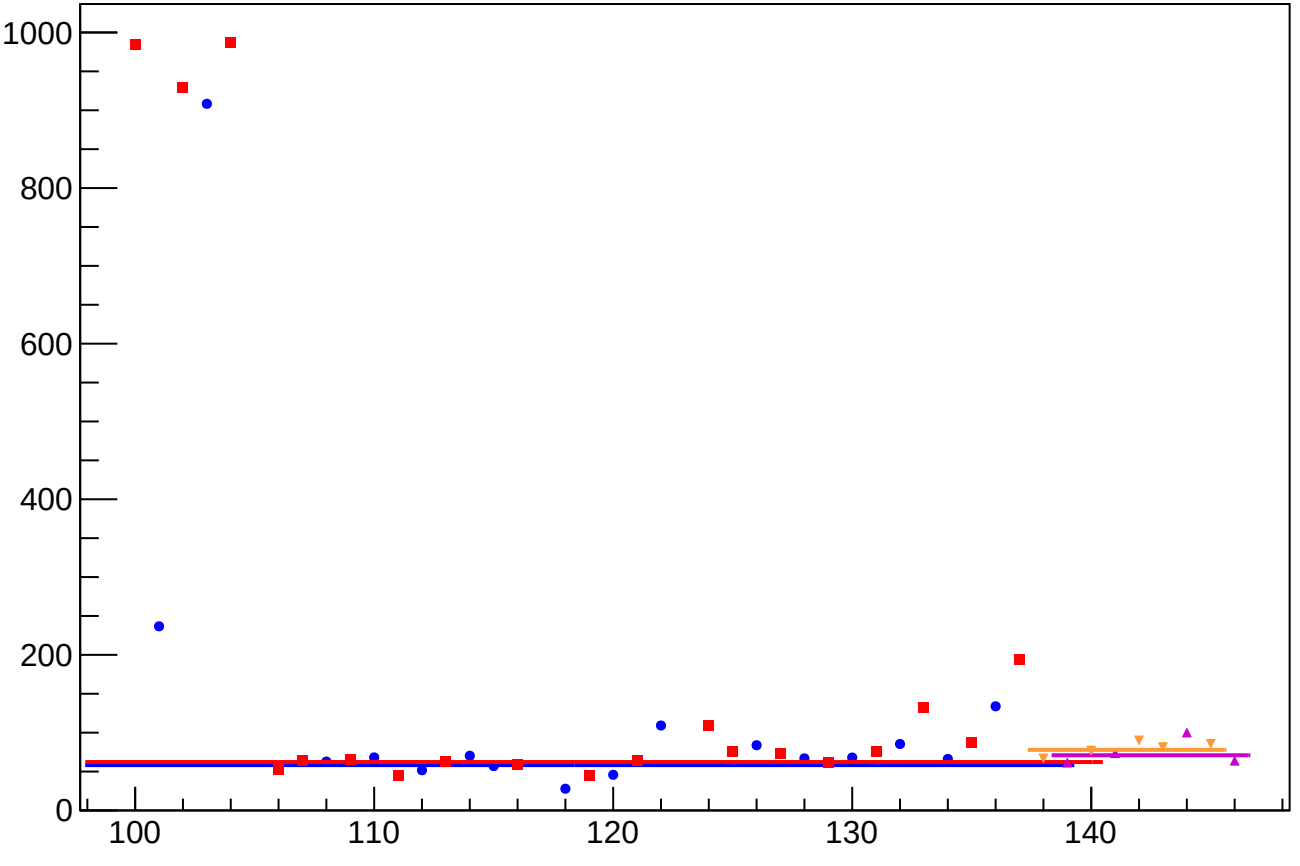
Left: -0.008+/-0.031 χ^2/NDF: 5.6/8

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.023 χ^2/NDF:15.7/19

Out: -0.024+/-0.024 χ^2/NDF:25.6/23

All: -0.005+/-0.017 χ^2/NDF: 42.4/43



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 77.922+/-0.032 χ^2/NDF:59585.6/4

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 70.948+/-0.029 χ^2/NDF:187956.9/3

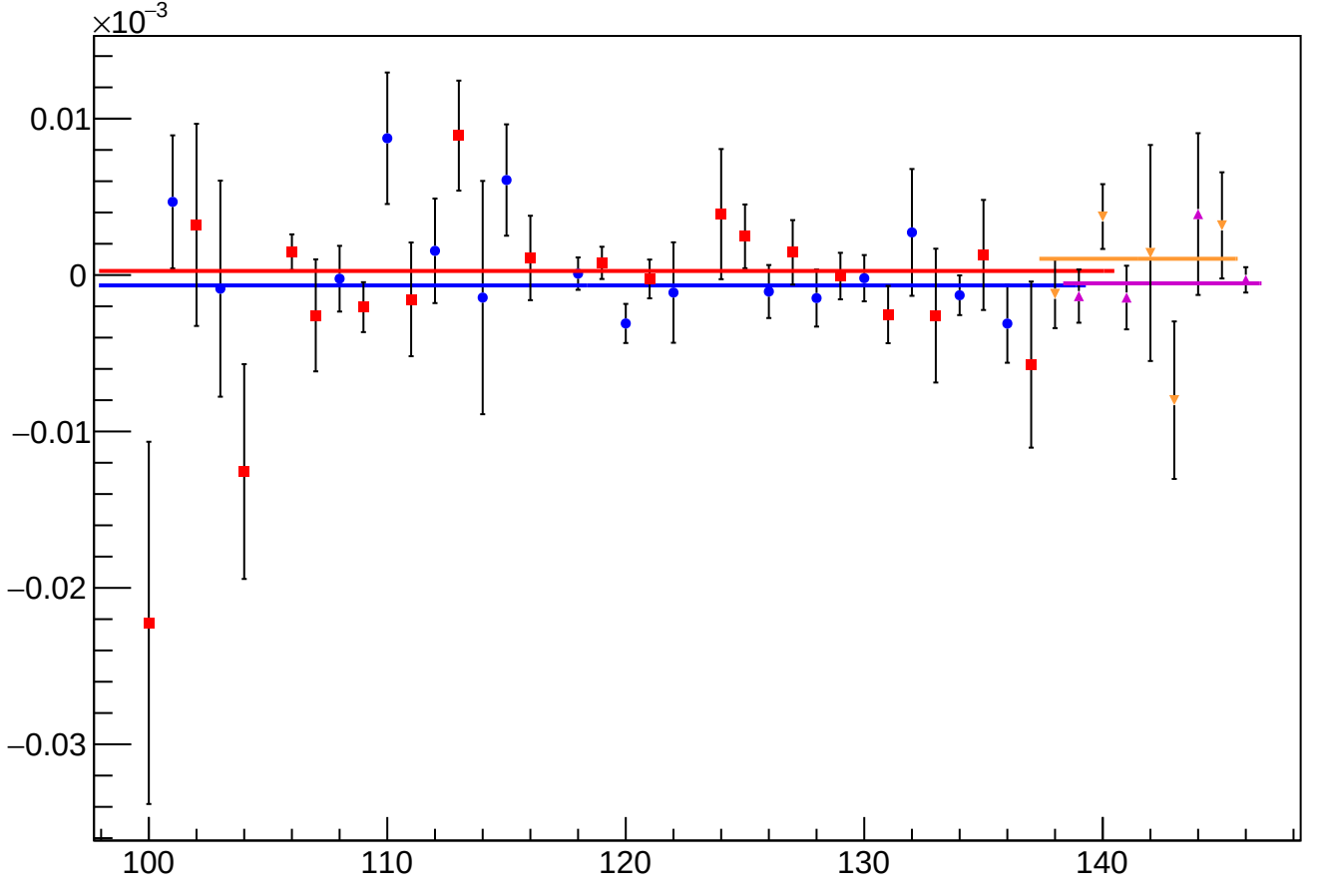
Left: 74.162+/-0.022 χ^2/NDF: 273319.2/8

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 62.206+/-0.016 χ^2/NDF:3575380.5/19

Out: 66.605+/-0.017 χ^2/NDF:2861127.1/23

All: 64.344+/-0.012 χ^2/NDF: 6471605.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

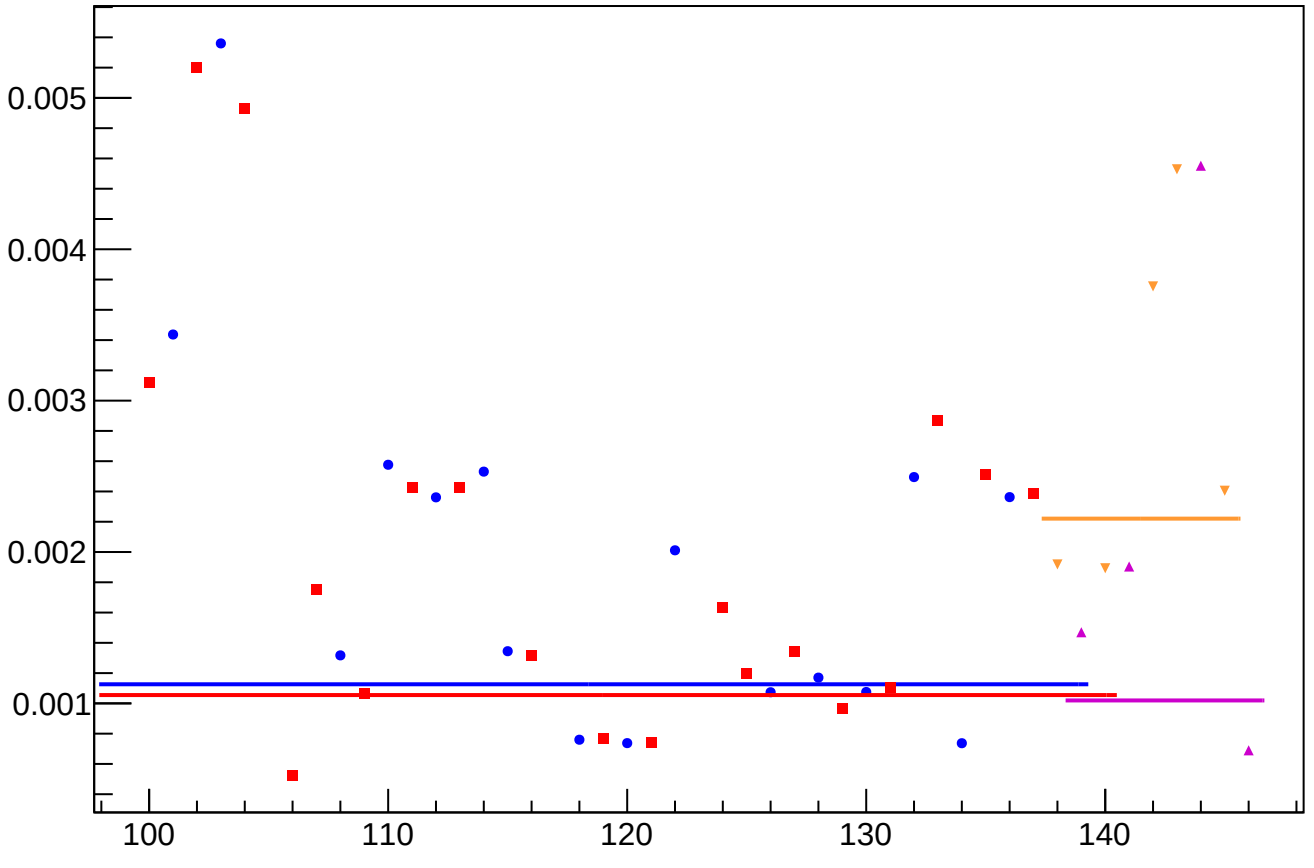
Left: -0.000+/-0.000 χ^2/NDF: 8.7/8

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:18.5/19

Out: 0.000+/-0.000 χ^2/NDF:31.2/23

All: -0.000+/-0.000 χ^2/NDF: 52.4/43



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:613086.1/4

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:1782665.1/3

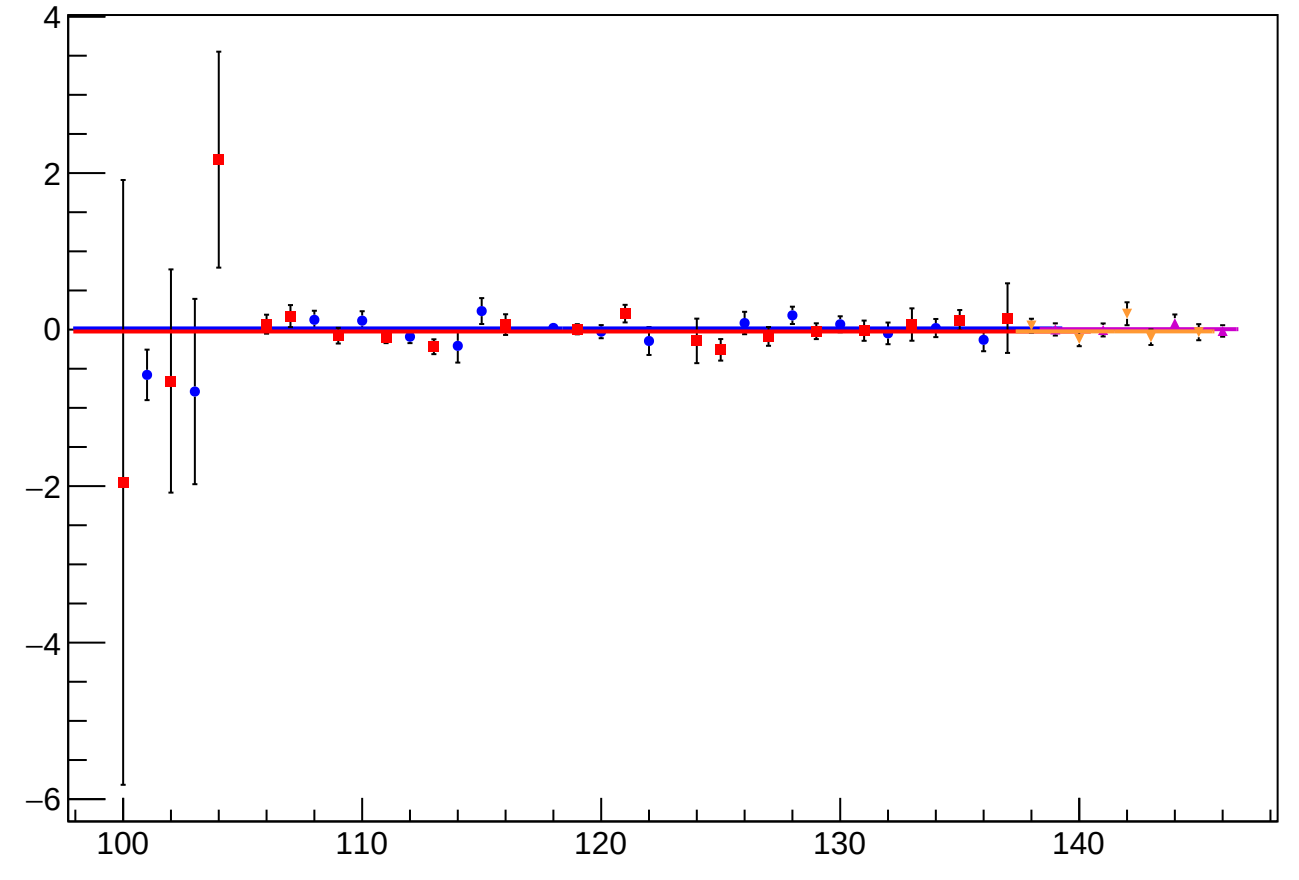
Left: 0.001+/-0.000 χ^2/NDF: 3727467.8/8

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:5268041.6/19

Out: 0.001+/-0.000 χ^2/NDF:5879036.0/23

All: 0.001+/-0.000 χ^2/NDF: 11200228.6/43



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.023+/-0.045 χ^2/NDF:4.8/4

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.005+/-0.042 χ^2/NDF:0.6/3

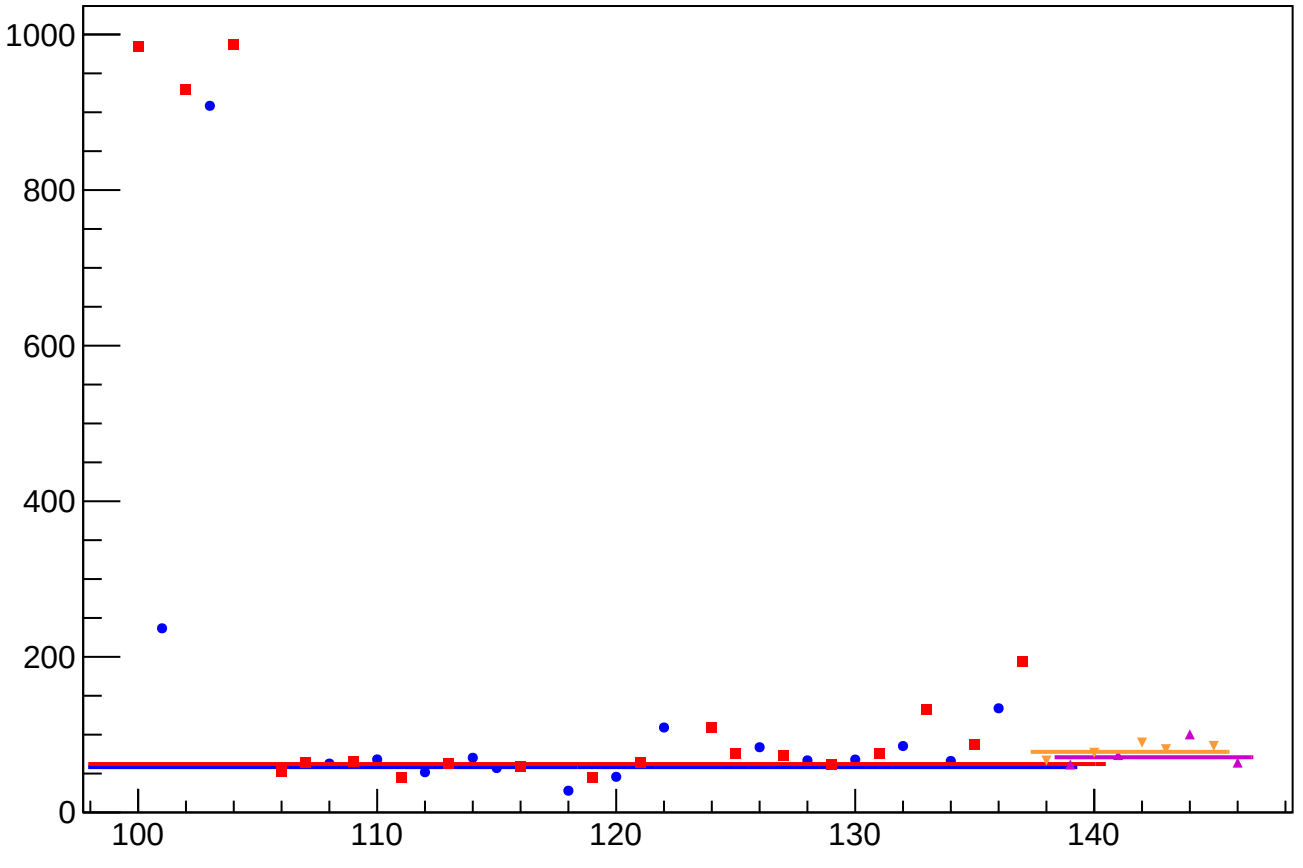
Left: -0.008+/-0.031 χ^2/NDF: 5.6/8

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.023 χ^2/NDF:15.7/19

Out: -0.024+/-0.024 χ^2/NDF:25.6/23

All: -0.005+/-0.017 χ^2/NDF: 42.4/43



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 77.922+/-0.032 χ^2/NDF:59588.7/4

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 70.949+/-0.029 χ^2/NDF:187954.3/3

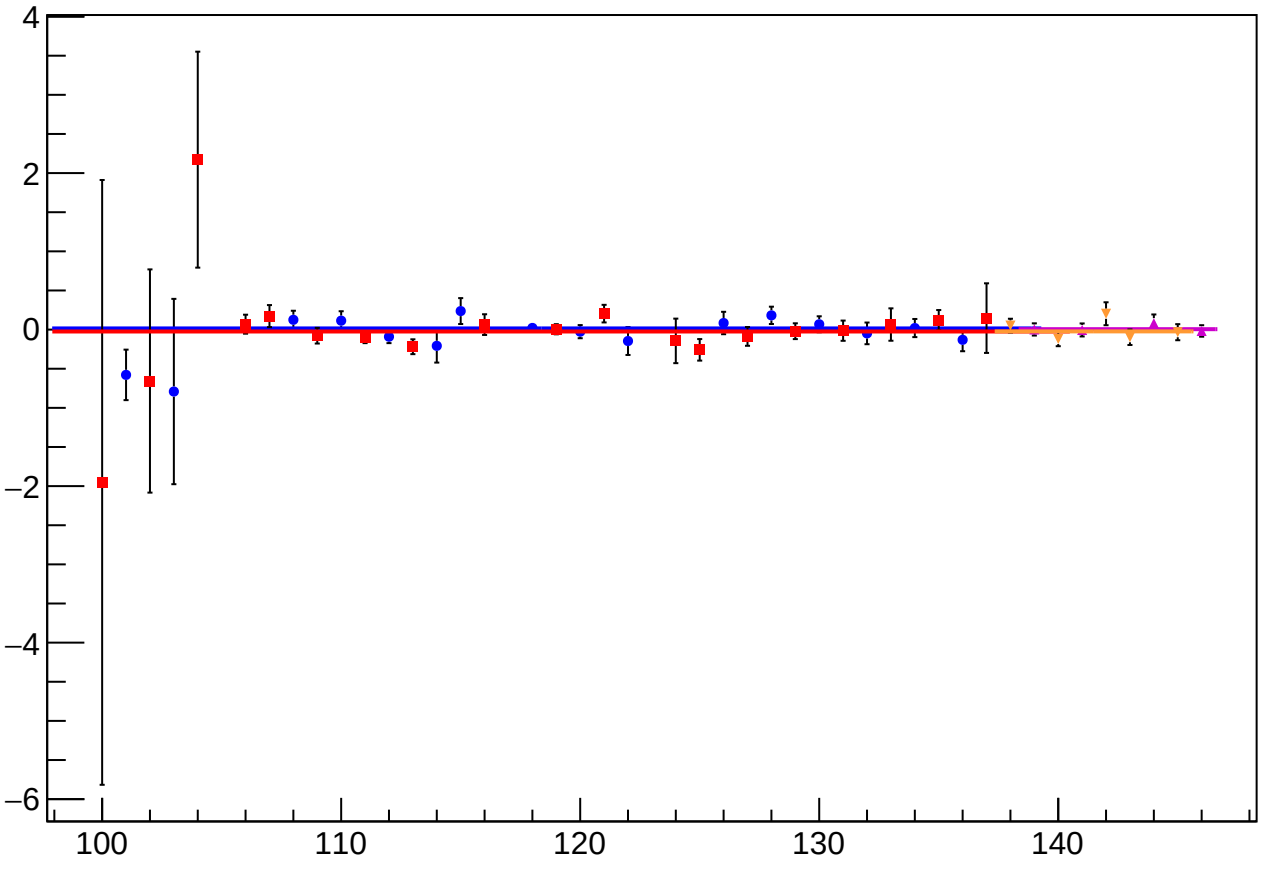
Left: 74.162+/-0.022 χ^2/NDF: 273310.6/8

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 62.206+/-0.016 χ^2/NDF:3575486.5/19

Out: 66.605+/-0.017 χ^2/NDF:2861113.5/23

All: 64.344+/-0.012 χ^2/NDF: 6471701.3/43



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.023+/-0.045 χ^2/NDF:4.8/4

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.005+/-0.042 χ^2/NDF:0.6/3

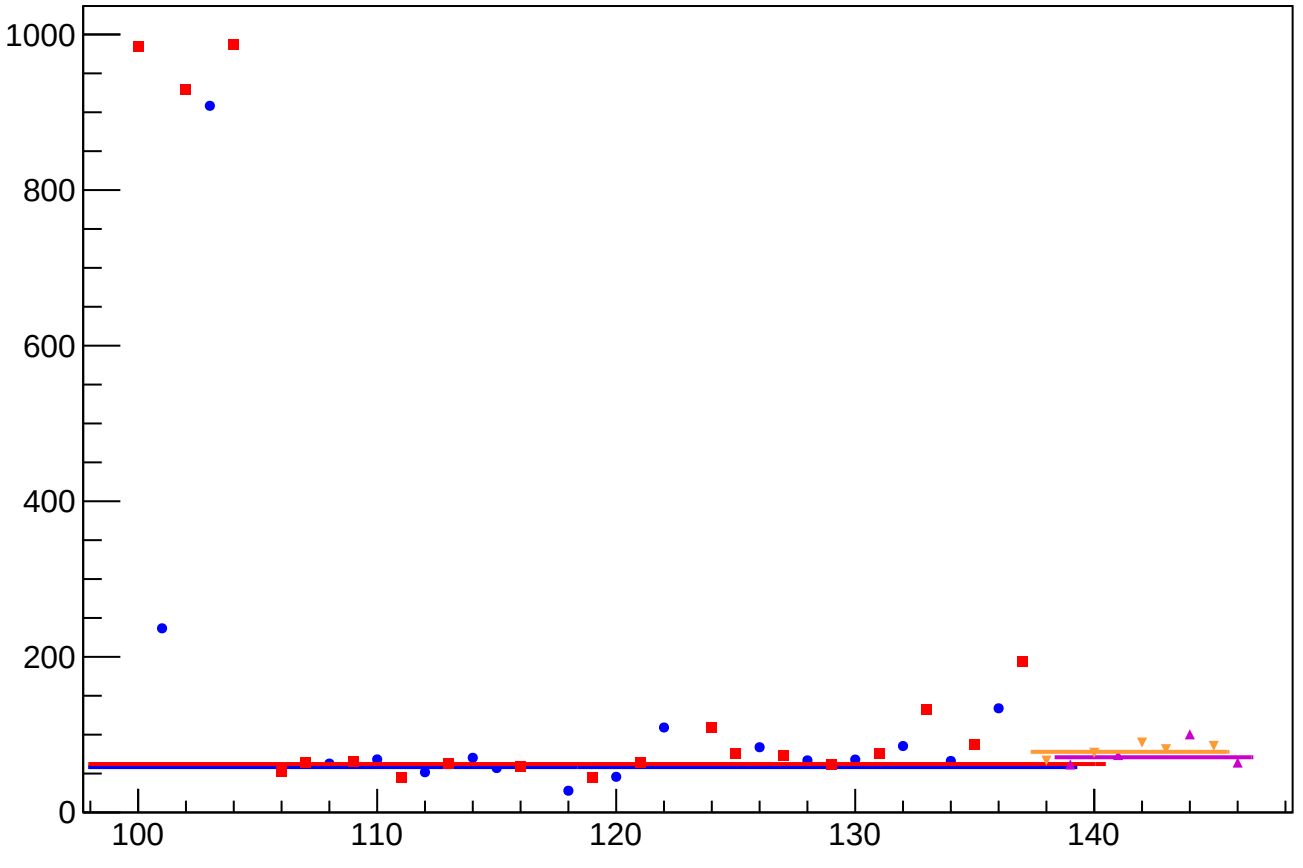
Left: -0.008+/-0.031 χ^2/NDF: 5.6/8

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.023 χ^2/NDF:15.7/19

Out: -0.024+/-0.024 χ^2/NDF:25.6/23

All: -0.005+/-0.017 χ^2/NDF: 42.4/43



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 77.922+/-0.032 χ^2/NDF:59588.7/4

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 70.949+/-0.029 χ^2/NDF:187954.3/3

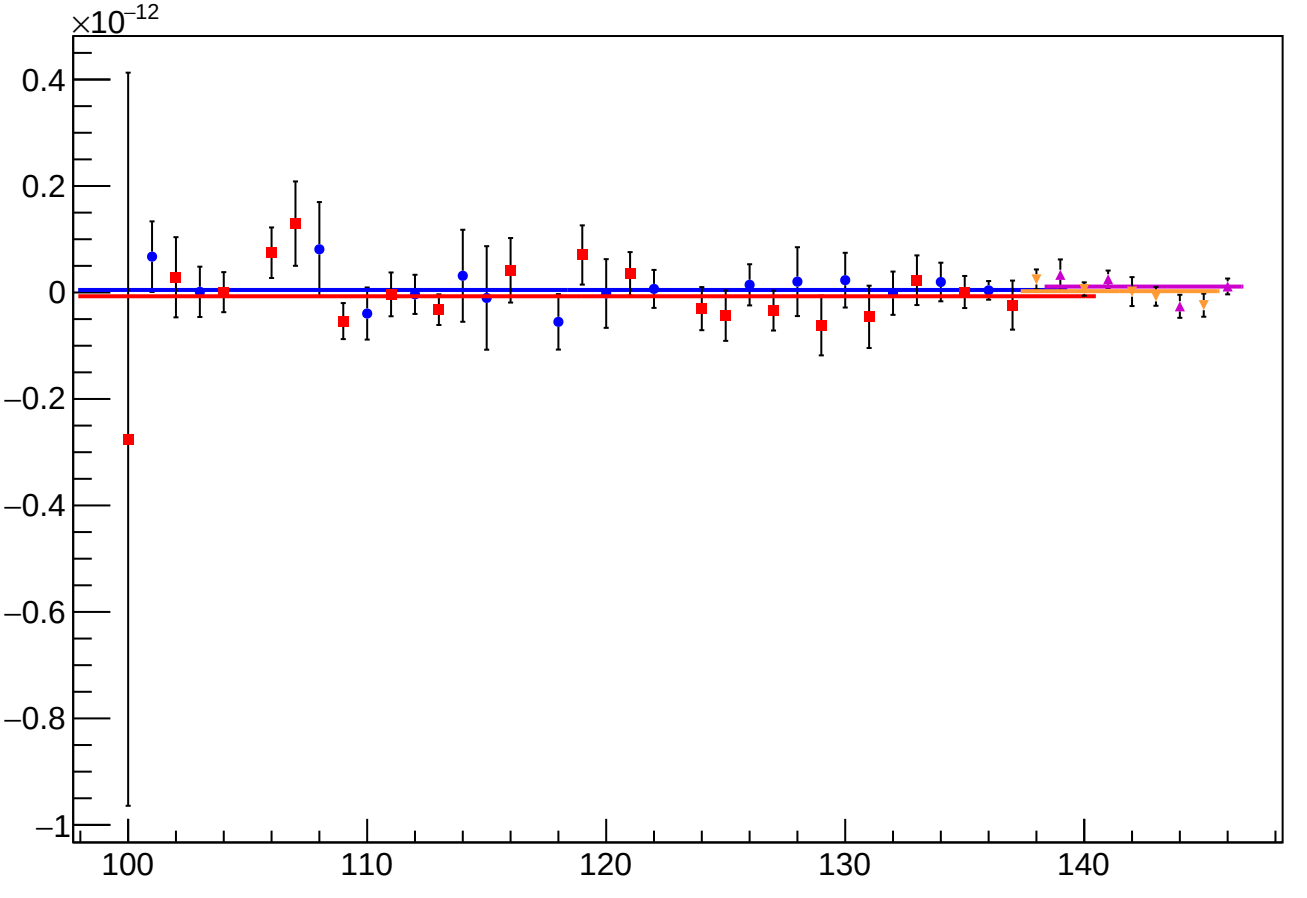
Left: 74.162+/-0.022 χ^2/NDF: 273310.6/8

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 62.206+/-0.016 χ^2/NDF:3575486.5/19

Out: 66.605+/-0.017 χ^2/NDF:2861113.5/23

All: 64.344+/-0.012 χ^2/NDF: 6471701.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/3

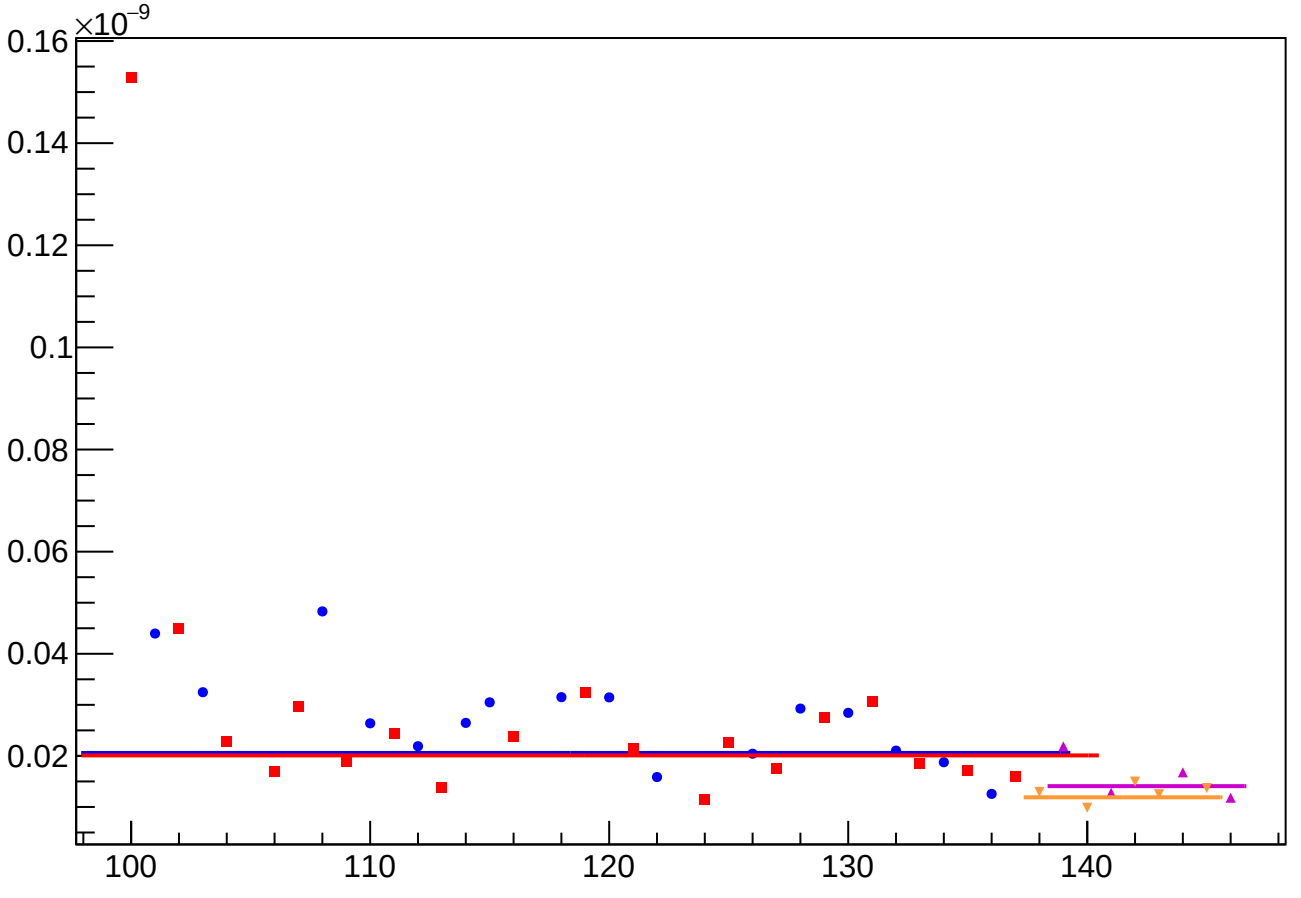
Left: 0.000+/-0.000 χ^2/NDF: 8.0/8

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:8.8/19

Out: -0.000+/-0.000 χ^2/NDF:19.9/23

All: 0.000+/-0.000 χ^2/NDF: 29.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:100591.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:235486.8/3

Left: 0.000+/-0.000 χ^2/NDF: 400053.5/8

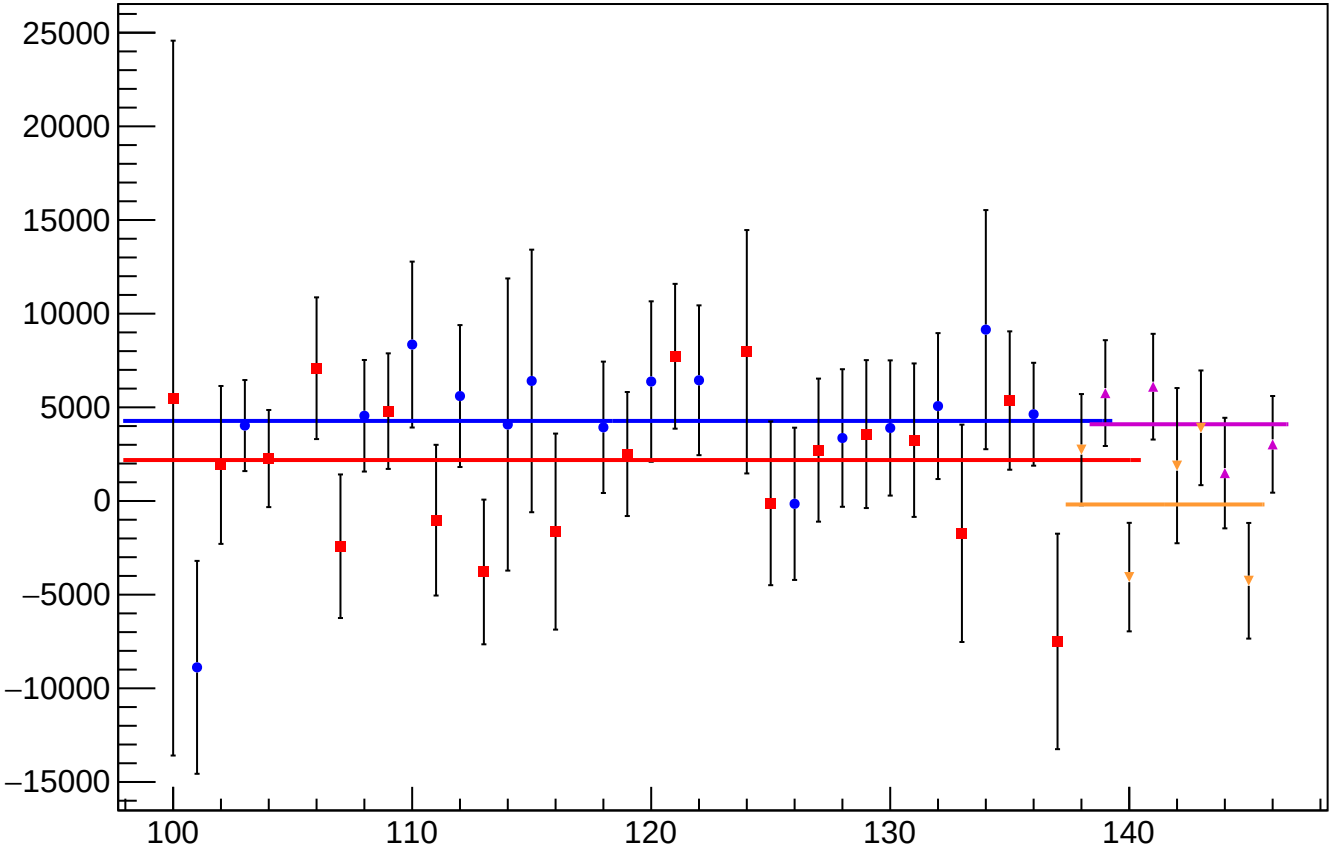
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:1997012.7/19

Out: 0.000+/-0.000 χ^2/NDF:1726479.0/23

All: 0.000+/-0.000 χ^2/NDF: 3814647.9/43

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -185.057+/-1410.470 χ^2/NDF:6.5/4

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 4096.908+/-1392.160 χ^2/NDF:1.8/3

Left: 1983.899+/-990.816 χ^2/NDF: 13.0/8

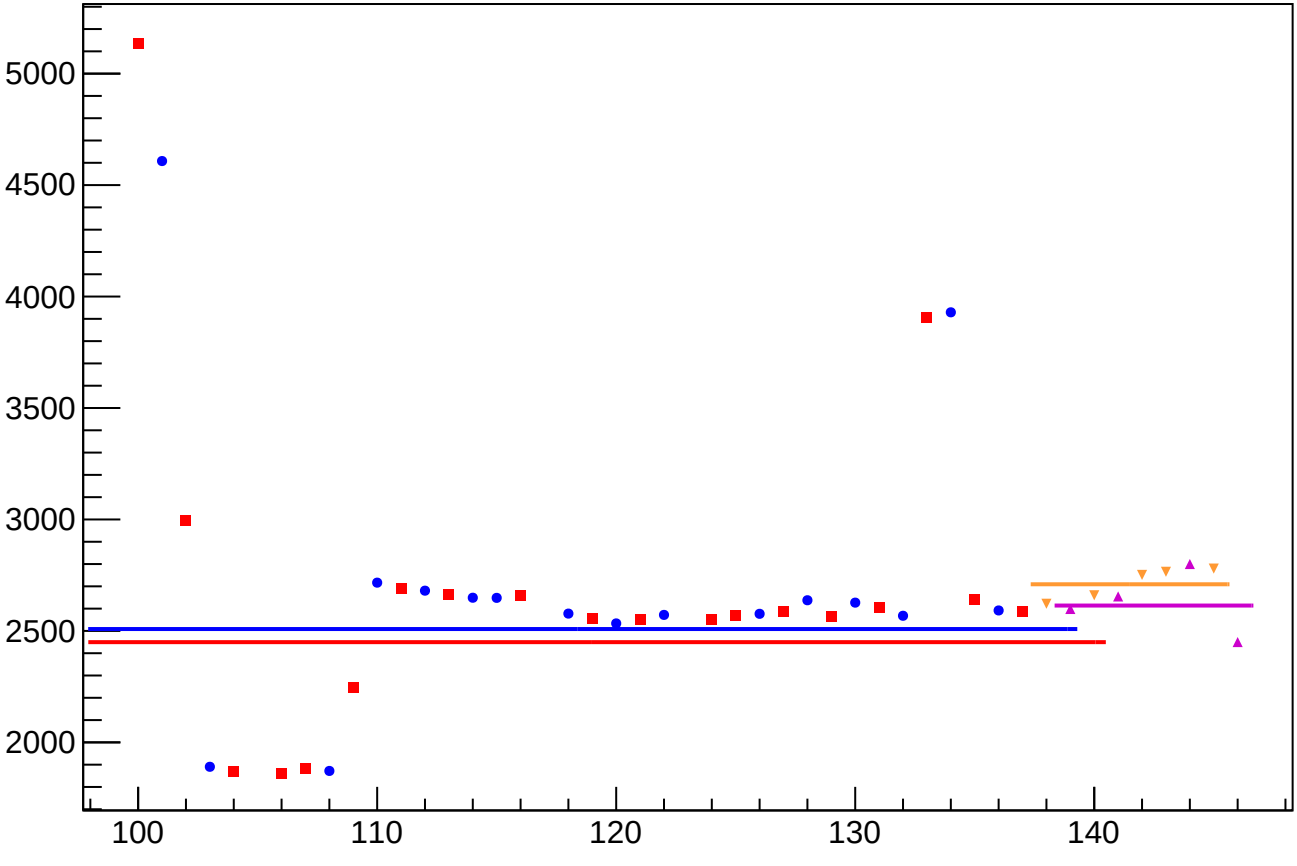
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 4217.845+/-785.807 χ^2/NDF:10.7/19

Out: 1476.233+/-771.805 χ^2/NDF:23.3/23

All: 2822.395+/-550.632 χ^2/NDF: 40.2/43

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2709.263+/-0.997 χ^2/NDF:4233.2/4

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2613.832+/-0.984 χ^2/NDF:16505.6/3

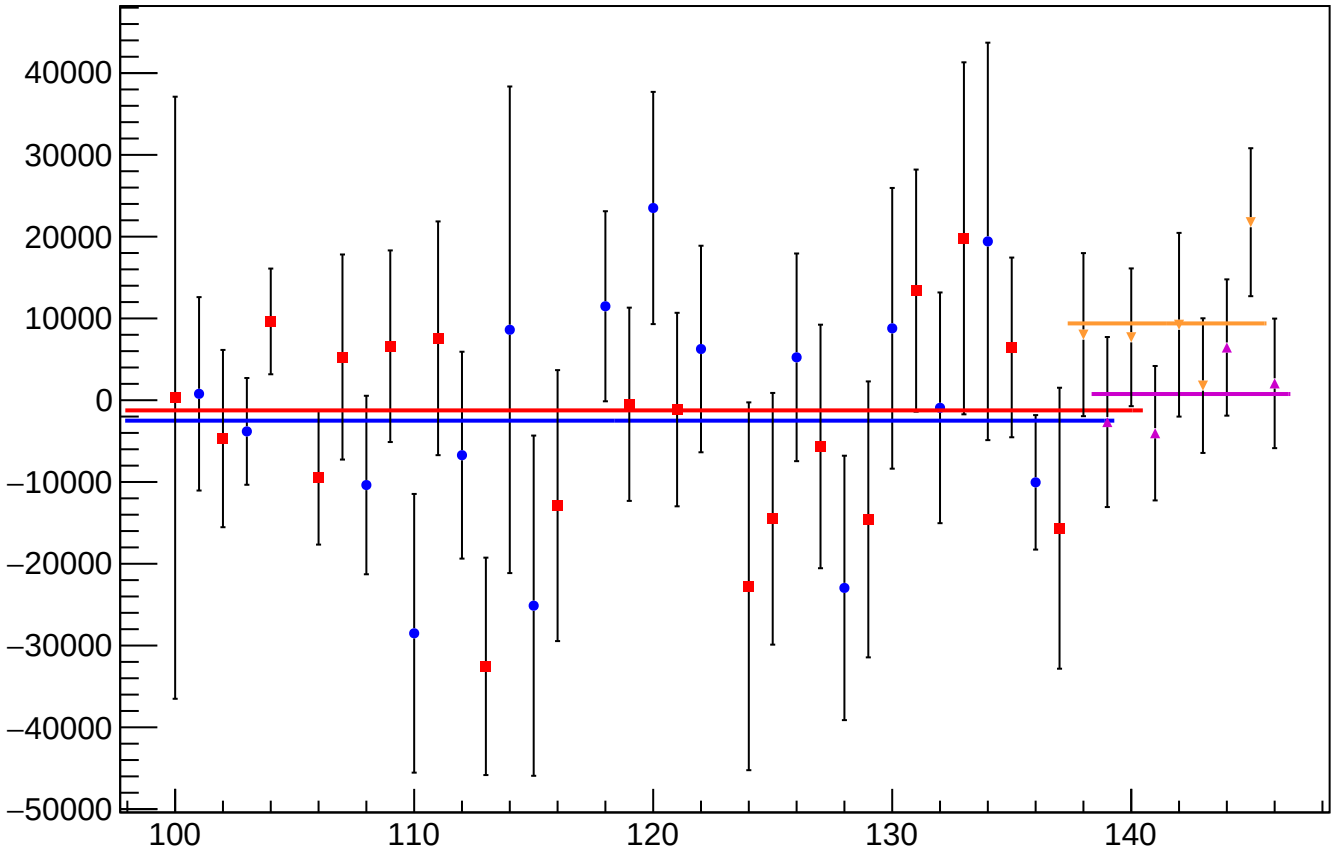
Left: 2660.924+/-0.701 χ^2/NDF: 25376.4/8

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2542.036+/-0.556 χ^2/NDF:635901.6/19

Out: 2527.365+/-0.546 χ^2/NDF:488613.2/23

All: 2534.569+/-0.389 χ^2/NDF: 1124869.6/43



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 9390.147+/-4115.004 χ^2/NDF:2.8/4

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 757.441+/-4287.709 χ^2/NDF:0.9/3

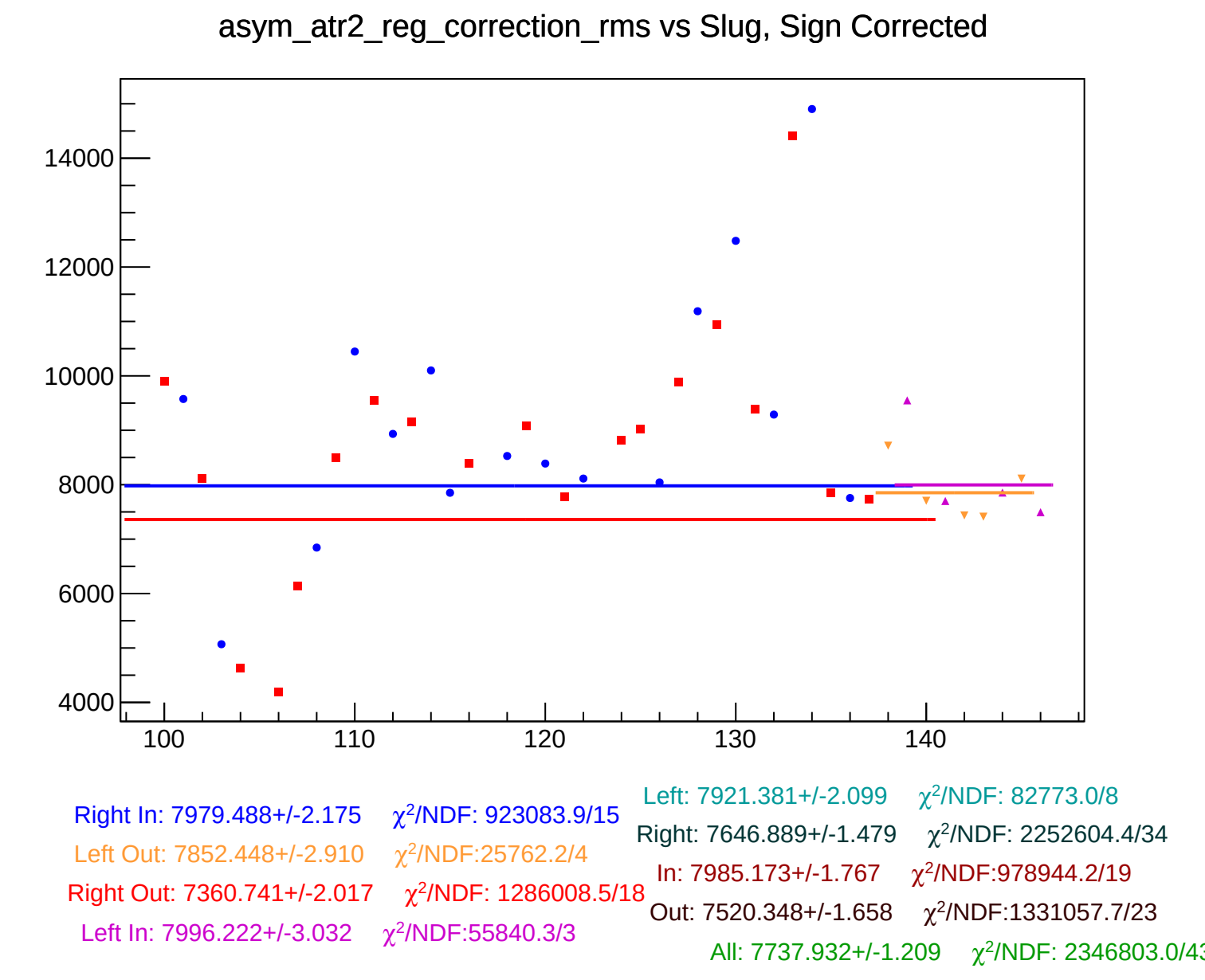
Left: 5251.151+/-2968.925 χ^2/NDF: 5.8/8

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

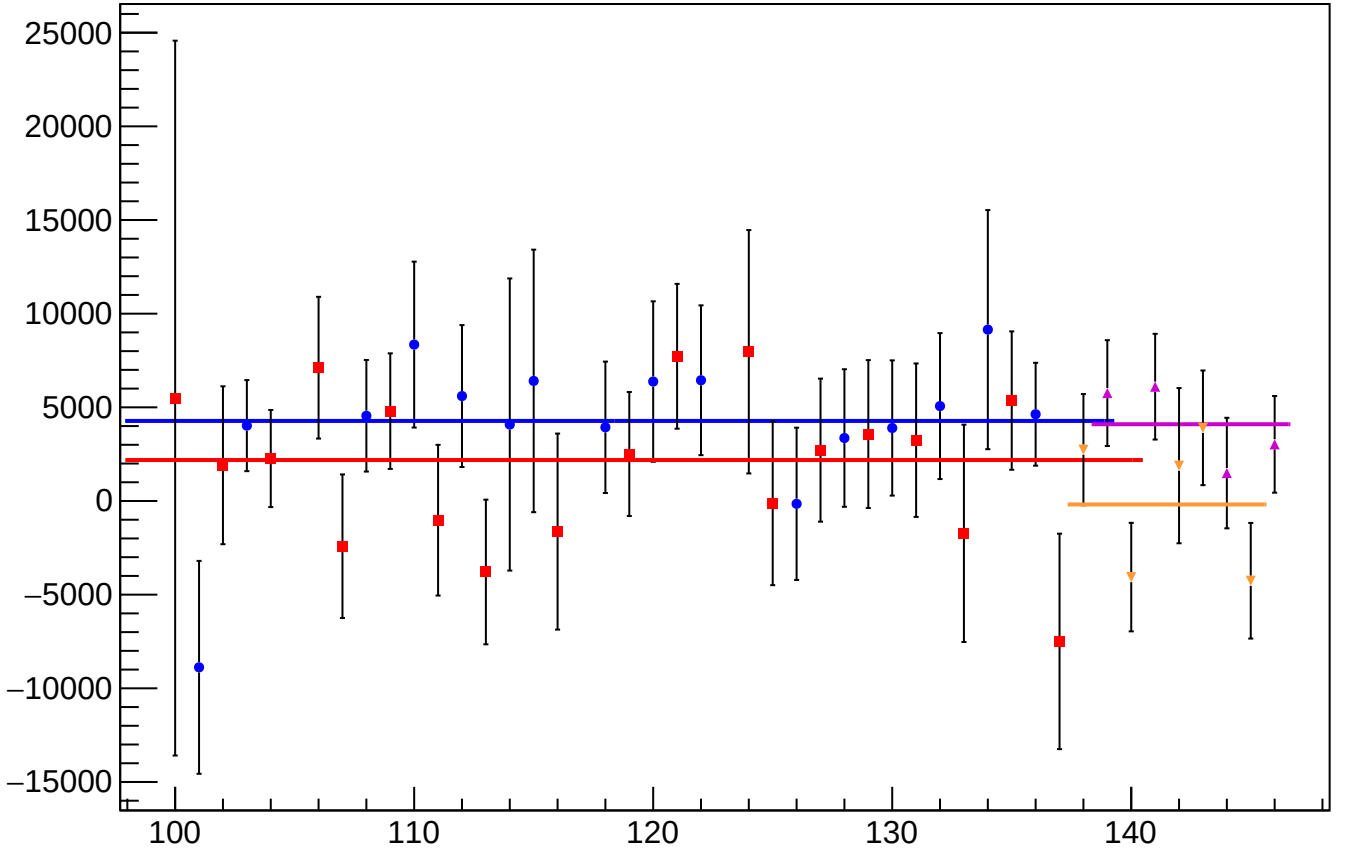
In: -1393.762+/-2499.133 χ^2/NDF:15.1/19

Out: 2207.585+/-2344.462 χ^2/NDF:23.9/23

All: 521.796+/-1709.851 χ^2/NDF: 40.1/43


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 7852.448+/-2.910 χ²/NDF:25762.2/4
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 7996.222+/-3.032 χ²/NDF:55840.3/3
Left: 7921.381+/-2.099 χ²/NDF: 82773.0/8
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 7985.173+/-1.767 χ²/NDF:978944.2/19
Out: 7520.348+/-1.658 χ²/NDF:1331057.7/23
All: 7737.932+/-1.209 χ²/NDF: 2346803.0/43

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -185.088+/-1410.470 χ^2/NDF:6.5/4

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 4097.289+/-1392.160 χ^2/NDF:1.8/3

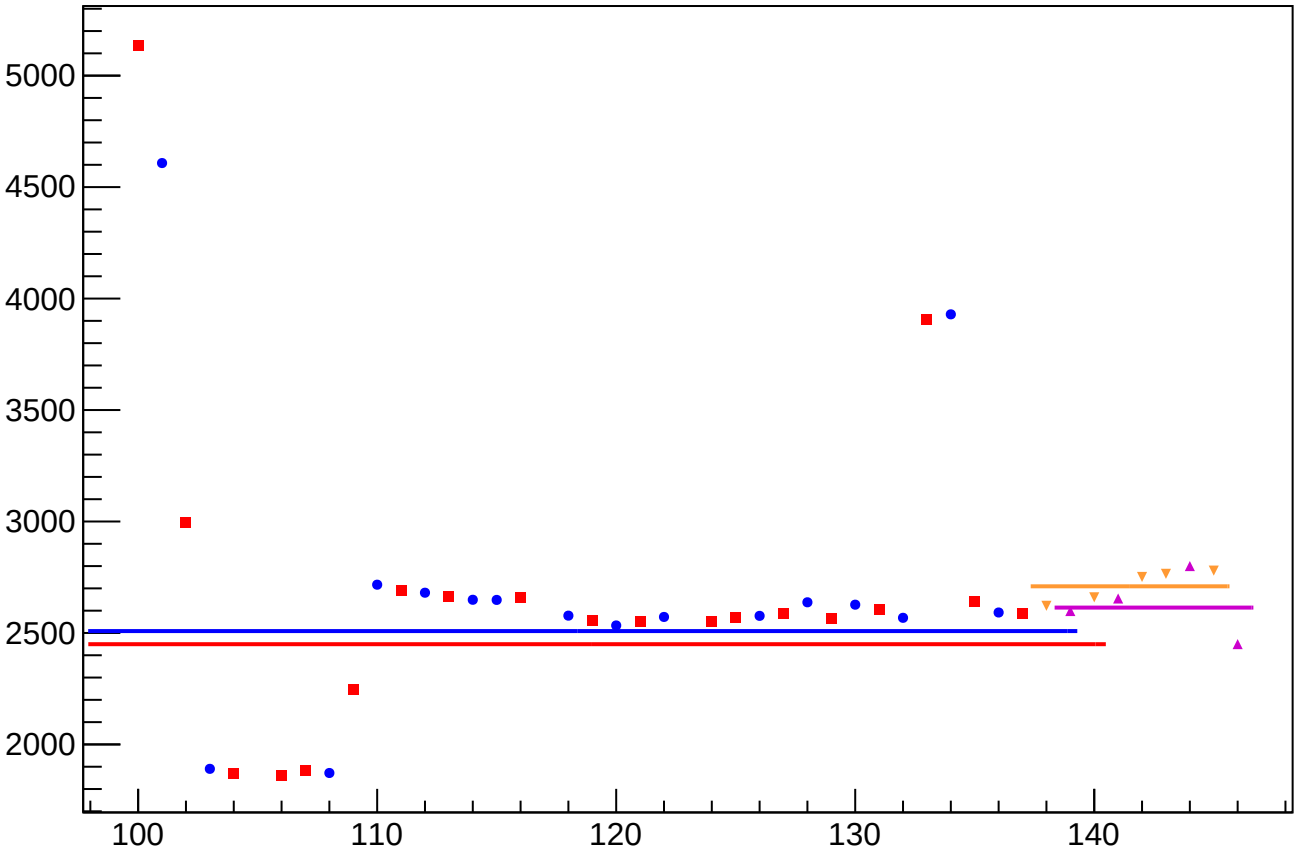
Left: 1984.076+/-990.816 χ^2/NDF: 13.0/8

Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4217.633+/-785.807 χ^2/NDF:10.7/19

Out: 1476.652+/-771.809 χ^2/NDF:23.3/23

All: 2822.511+/-550.634 χ^2/NDF: 40.2/43



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2709.263+/-0.997 χ^2/NDF:4233.2/4

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2613.832+/-0.984 χ^2/NDF:16505.6/3

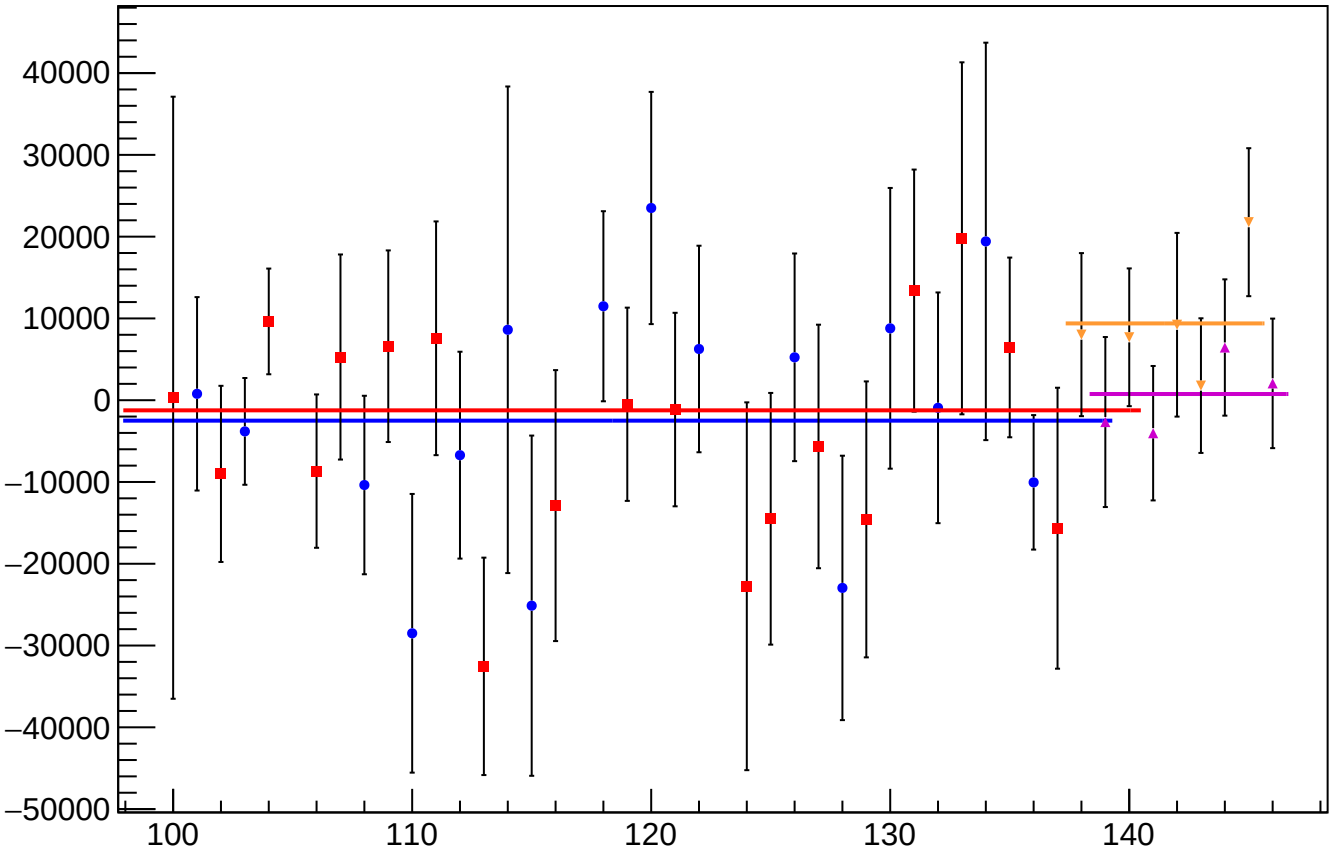
Left: 2660.924+/-0.701 χ^2/NDF: 25376.4/8

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2542.037+/-0.556 χ^2/NDF:635899.2/19

Out: 2527.383+/-0.546 χ^2/NDF:488549.7/23

All: 2534.578+/-0.389 χ^2/NDF: 1124802.9/43



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 9389.967+/-4114.988 χ^2/NDF:2.8/4

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 757.623+/-4287.708 χ^2/NDF:0.9/3

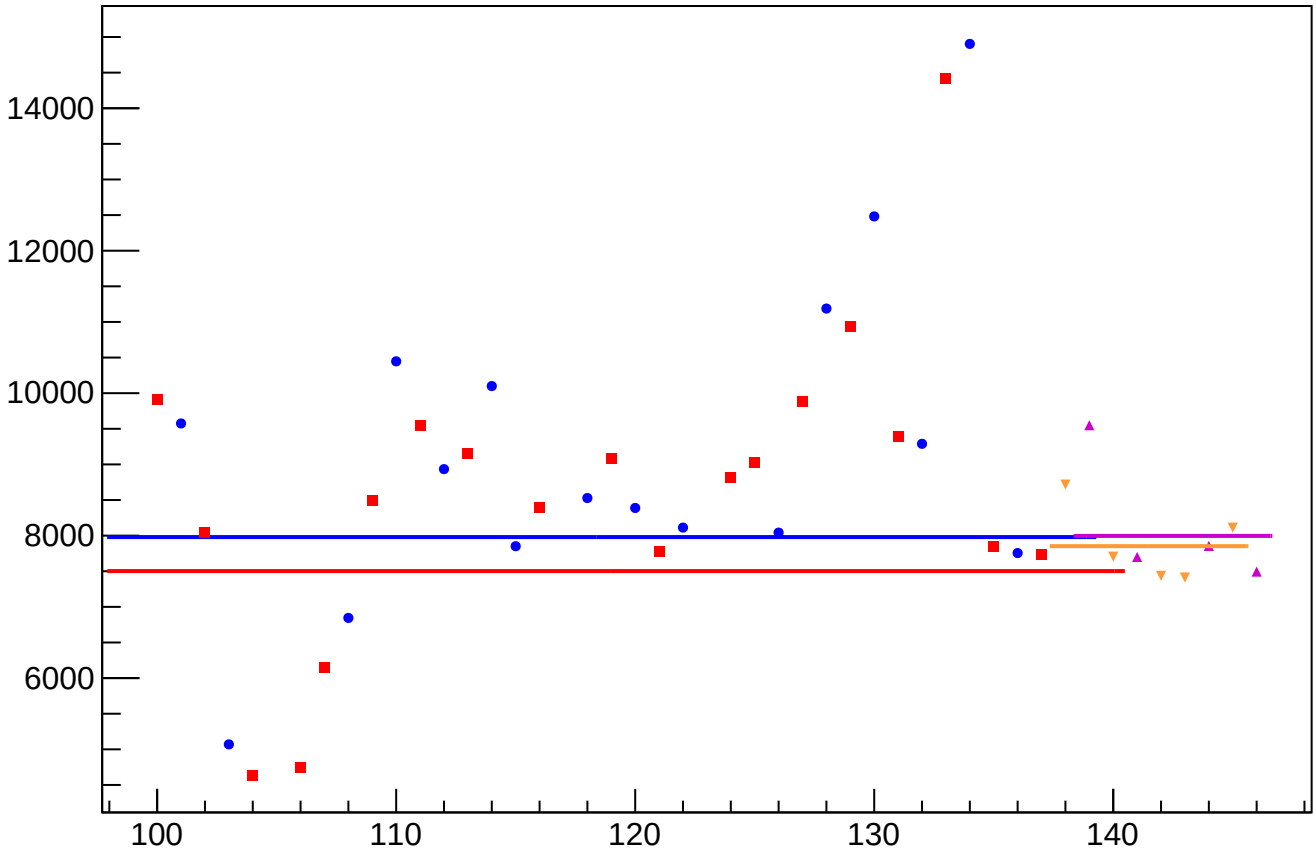
Left: 5251.160+/-2968.919 χ^2/NDF: 5.8/8

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -1393.511+/-2499.180 χ^2/NDF:15.1/19

Out: 2276.947+/-2366.908 χ^2/NDF:23.9/23

All: 541.416+/-1718.516 χ^2/NDF: 40.1/43



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7852.417+/-2.910 χ^2/NDF:25763.7/4

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7996.220+/-3.032 χ^2/NDF:55839.9/3

Left: 7921.364+/-2.099 χ^2/NDF: 82774.7/8

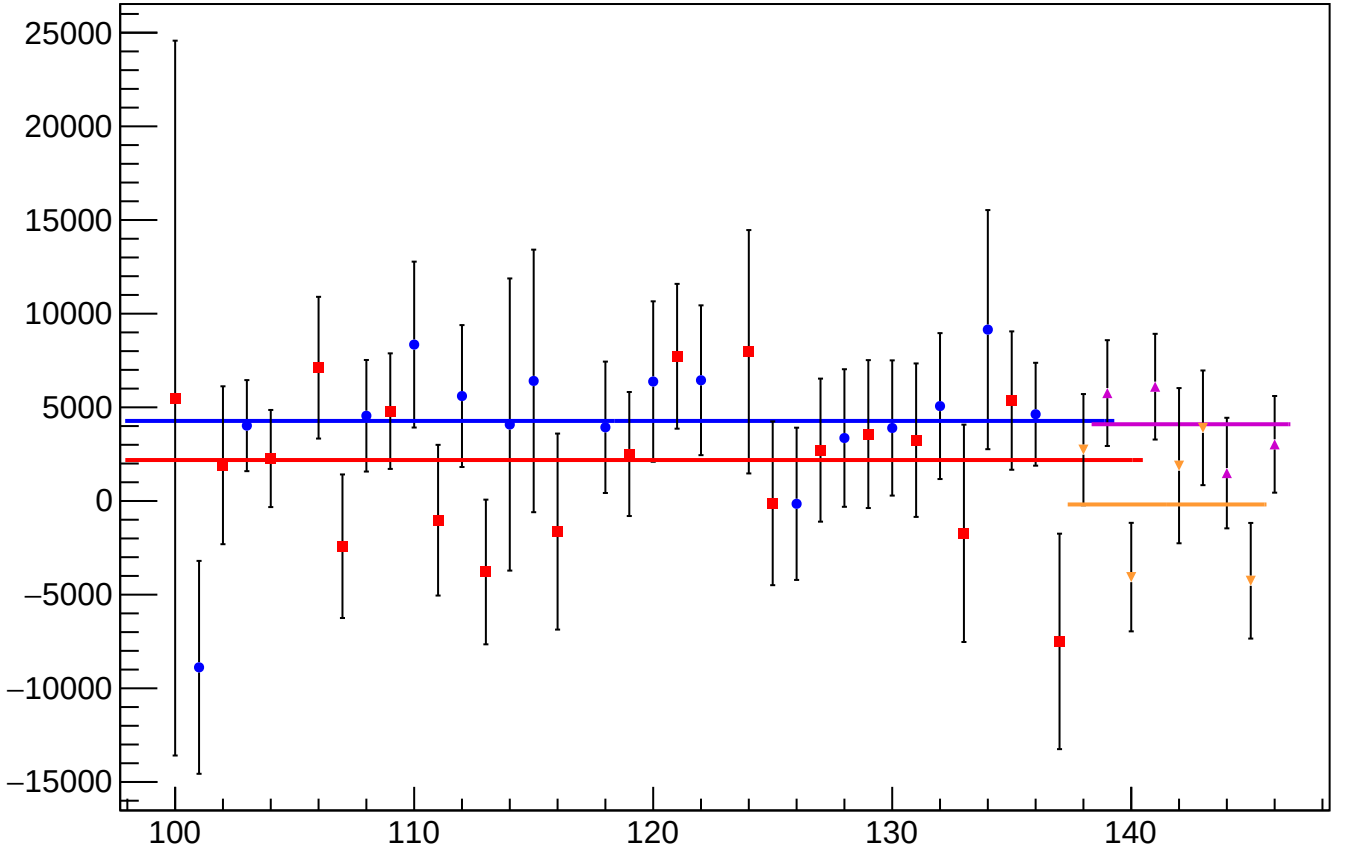
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7985.386+/-1.767 χ^2/NDF:978644.6/19

Out: 7618.392+/-1.674 χ^2/NDF:1170954.2/23

All: 7791.921+/-1.215 χ^2/NDF: 2172333.9/43

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -185.088+/-1410.470 χ^2/NDF:6.5/4

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 4097.289+/-1392.160 χ^2/NDF:1.8/3

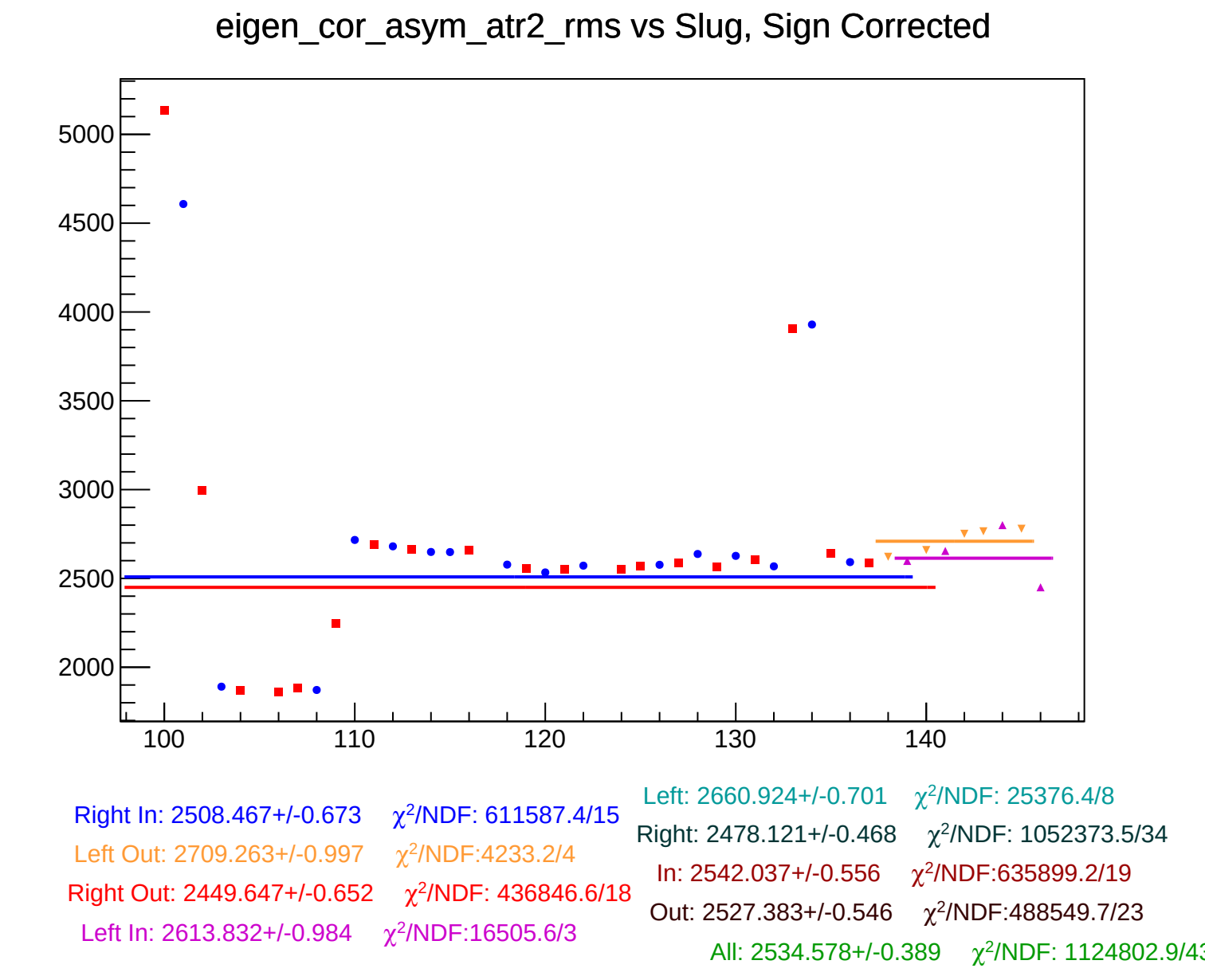
Left: 1984.076+/-990.816 χ^2/NDF: 13.0/8

Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

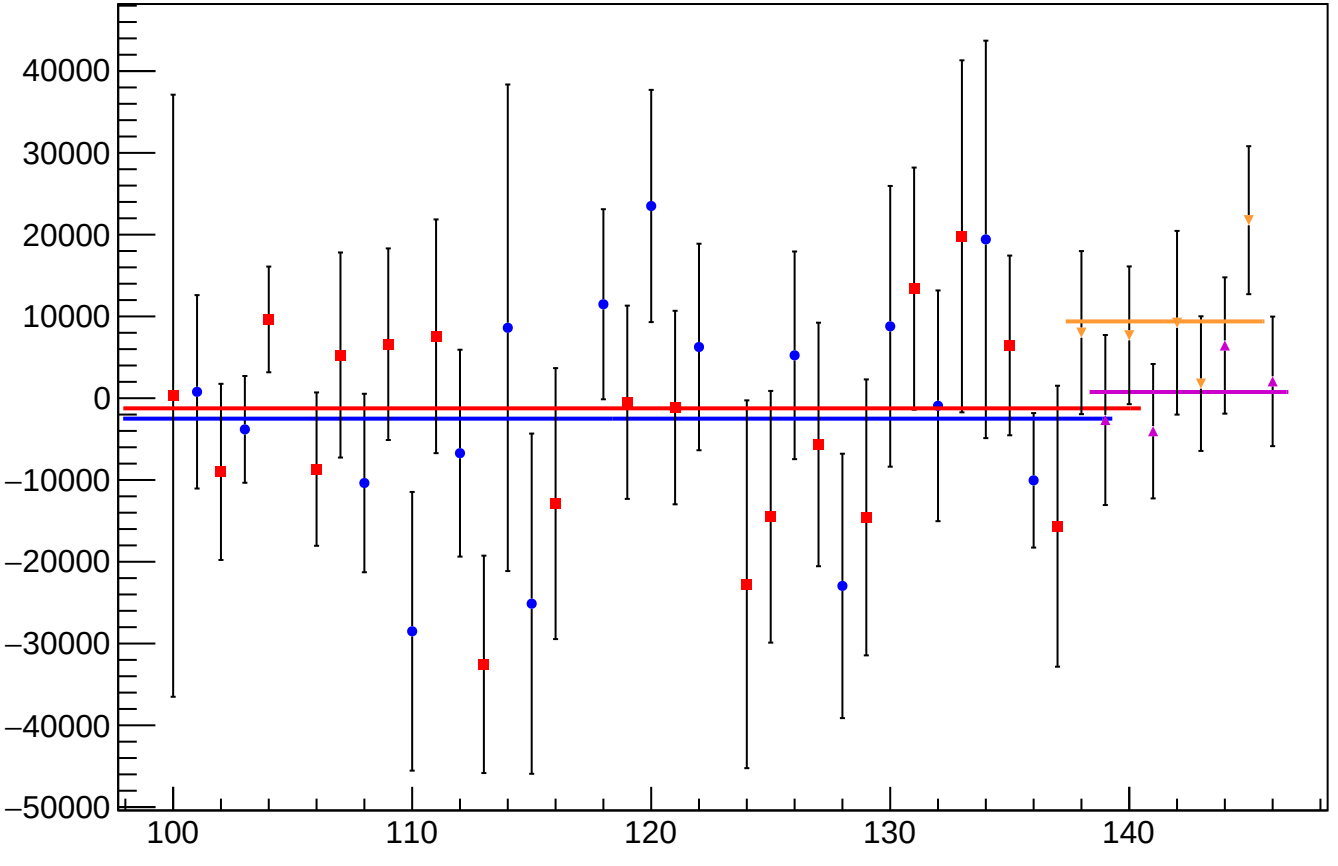
In: 4217.633+/-785.807 χ^2/NDF:10.7/19

Out: 1476.652+/-771.809 χ^2/NDF:23.3/23

All: 2822.511+/-550.634 χ^2/NDF: 40.2/43


eigen_cor_asym_atr2_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
Right In: 2508.467+/-0.673 χ²/NDF: 611587.4/15
Left Out: 2709.263+/-0.997 χ²/NDF:4233.2/4
Right Out: 2449.647+/-0.652 χ²/NDF: 436846.6/18
Left In: 2613.832+/-0.984 χ²/NDF:16505.6/3
Left: 2660.924+/-0.701 χ²/NDF: 25376.4/8
Right: 2478.121+/-0.468 χ²/NDF: 1052373.5/34
In: 2542.037+/-0.556 χ²/NDF:635899.2/19
Out: 2527.383+/-0.546 χ²/NDF:488549.7/23
All: 2534.578+/-0.389 χ²/NDF: 1124802.9/43

asym_atr2_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 9389.967+/-4114.988 χ^2/NDF:2.8/4

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 757.623+/-4287.708 χ^2/NDF:0.9/3

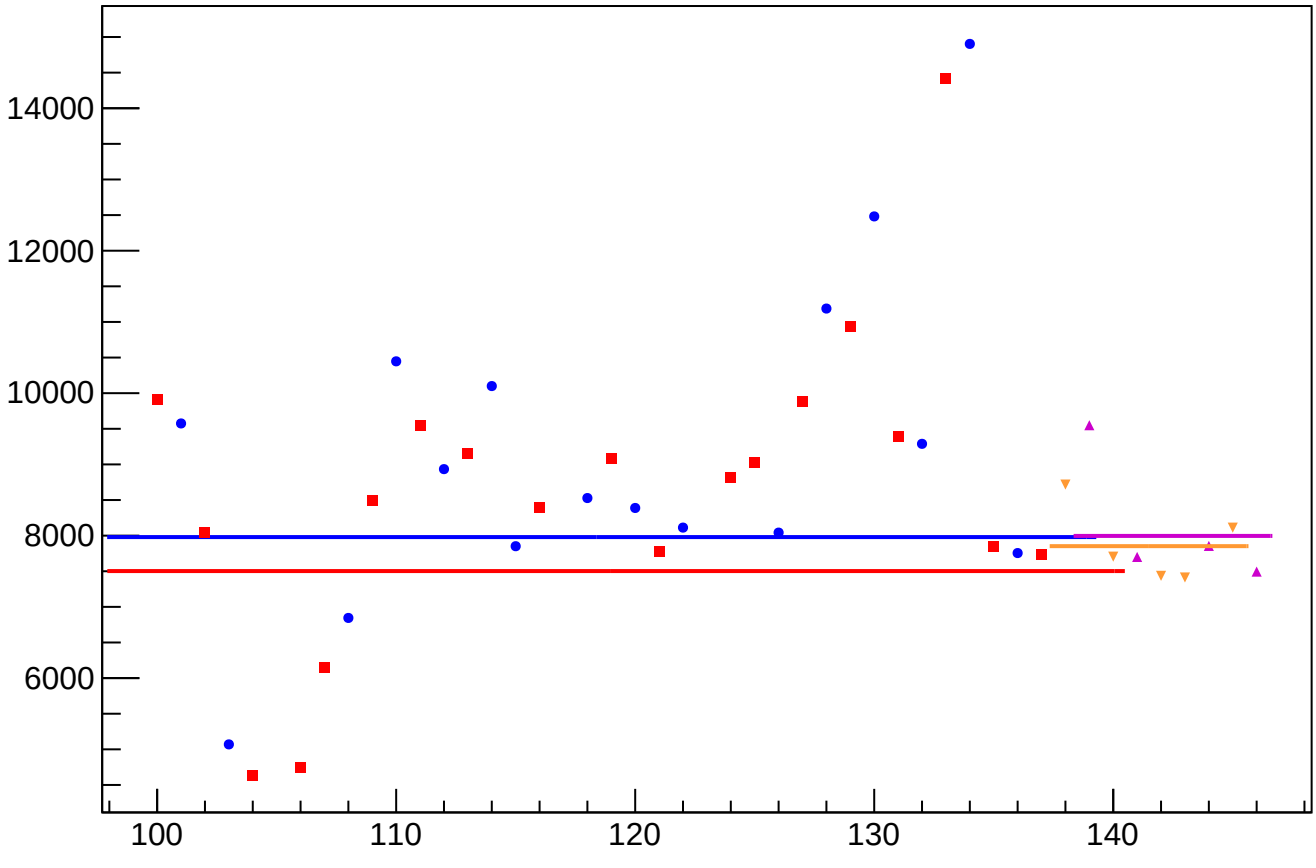
Left: 5251.160+/-2968.919 χ^2/NDF: 5.8/8

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -1393.511+/-2499.180 χ^2/NDF:15.1/19

Out: 2276.947+/-2366.908 χ^2/NDF:23.9/23

All: 541.416+/-1718.516 χ^2/NDF: 40.1/43



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7852.417+/-2.910 χ^2/NDF:25763.7/4

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7996.220+/-3.032 χ^2/NDF:55839.9/3

Left: 7921.364+/-2.099 χ^2/NDF: 82774.7/8

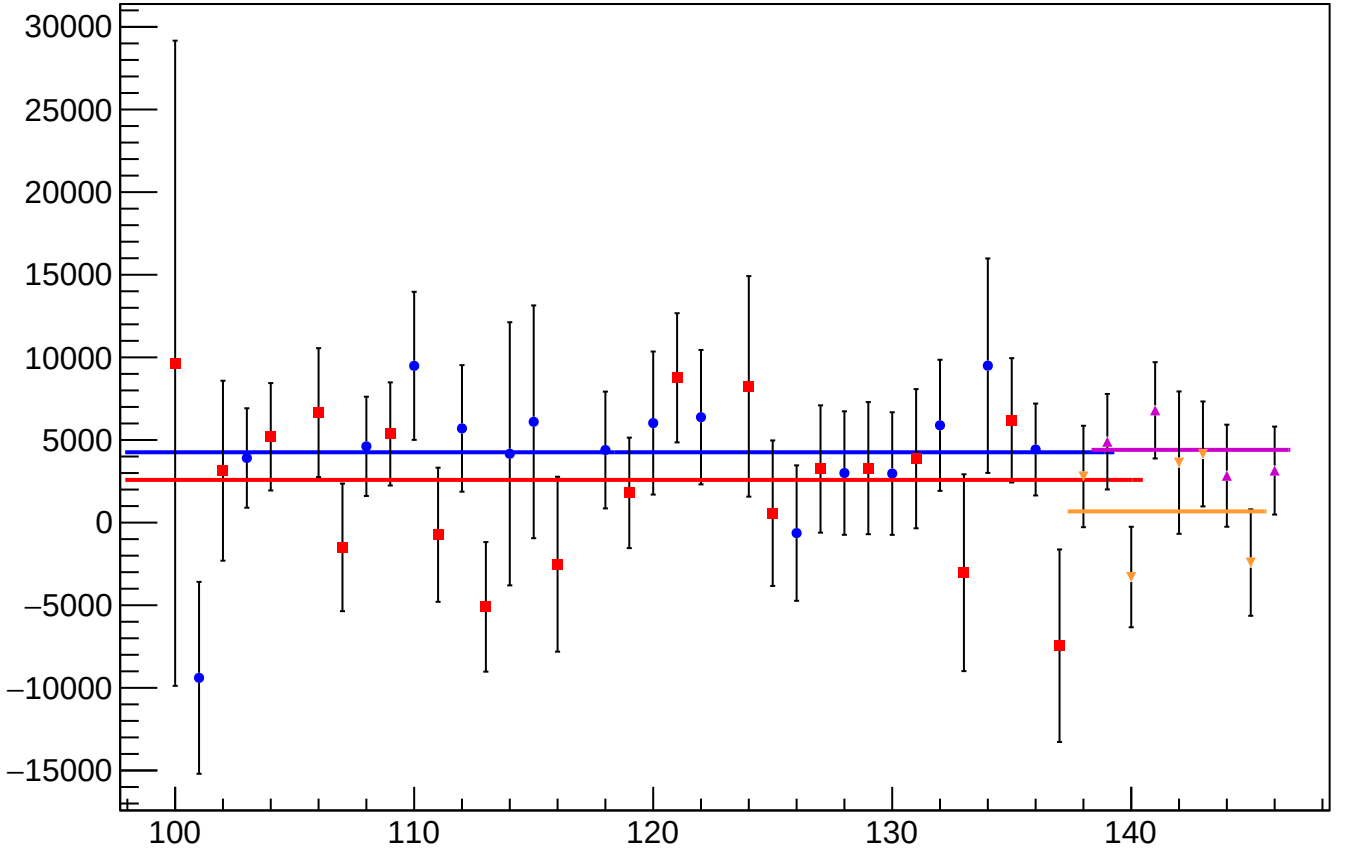
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7985.386+/-1.767 χ^2/NDF:978644.6/19

Out: 7618.392+/-1.674 χ^2/NDF:1170954.2/23

All: 7791.921+/-1.215 χ^2/NDF: 2172333.9/43

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 679.033+/-1468.677 χ^2/NDF:4.8/4

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 4403.058+/-1438.330 χ^2/NDF:1.2/3

Left: 2579.918+/-1027.614 χ^2/NDF: 9.2/8

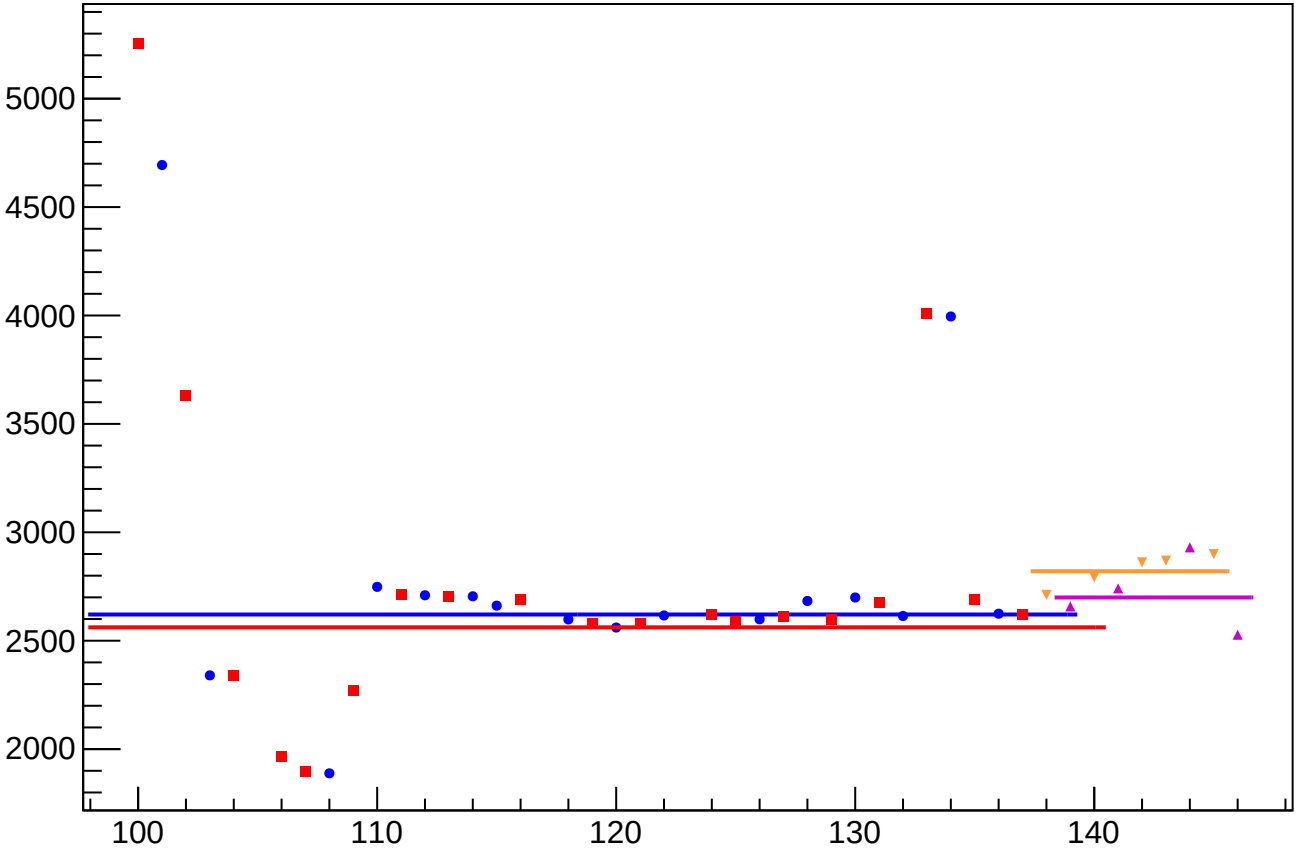
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4303.971+/-815.800 χ^2/NDF:11.2/19

Out: 2009.187+/-807.101 χ^2/NDF:23.6/23

All: 3144.278+/-573.757 χ^2/NDF: 38.8/43

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2820.621+/-1.039 χ^2/NDF:4561.2/4

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2699.479+/-1.017 χ^2/NDF:20348.3/3

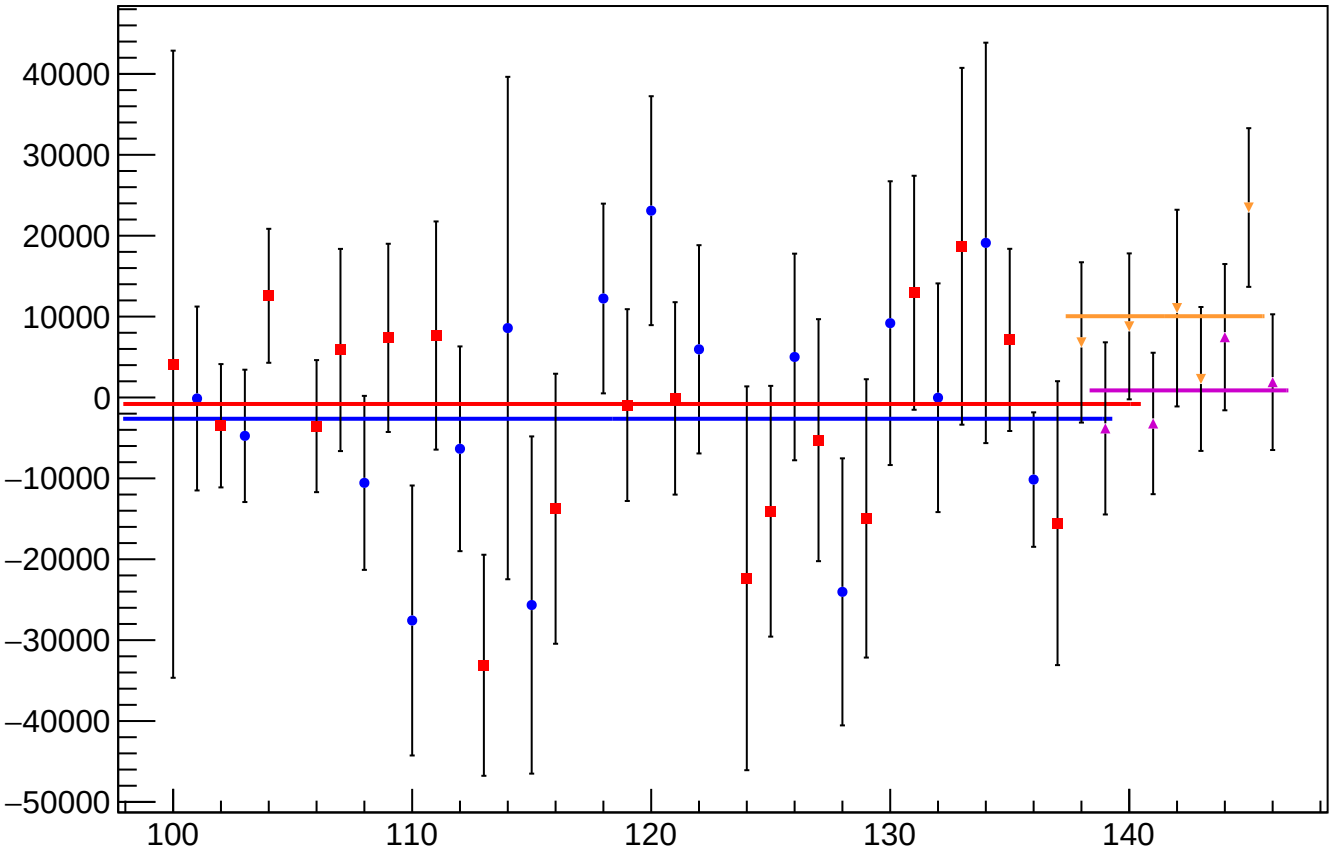
Left: 2758.785+/-0.727 χ^2/NDF: 31855.1/8

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2646.222+/-0.577 χ^2/NDF:510304.8/19

Out: 2639.842+/-0.570 χ^2/NDF:426217.8/23

All: 2642.997+/-0.406 χ^2/NDF: 936584.4/43



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 10047.044+/-4374.129 χ^2/NDF:2.8/4

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 876.102+/-4547.820 χ^2/NDF:1.0/3

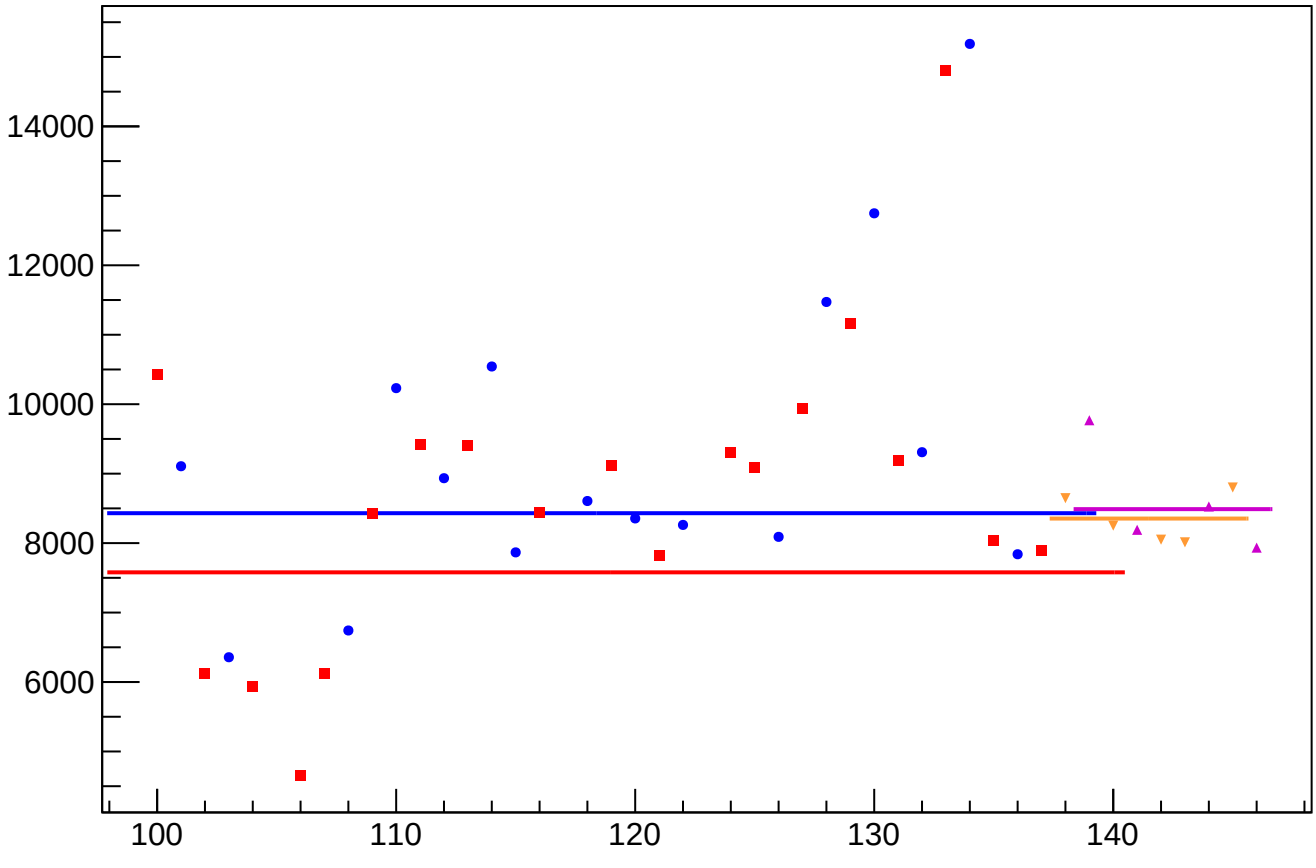
Left: 5640.044+/-3152.592 χ^2/NDF: 5.8/8

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -1464.659+/-2623.349 χ^2/NDF:15.2/19

Out: 2467.043+/-2401.303 χ^2/NDF:22.5/23

All: 674.601+/-1771.285 χ^2/NDF: 38.8/43



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8353.574+/-3.093 χ^2/NDF:10379.9/4

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8489.239+/-3.216 χ^2/NDF:40002.6/3

Left: 8418.766+/-2.229 χ^2/NDF: 51307.0/8

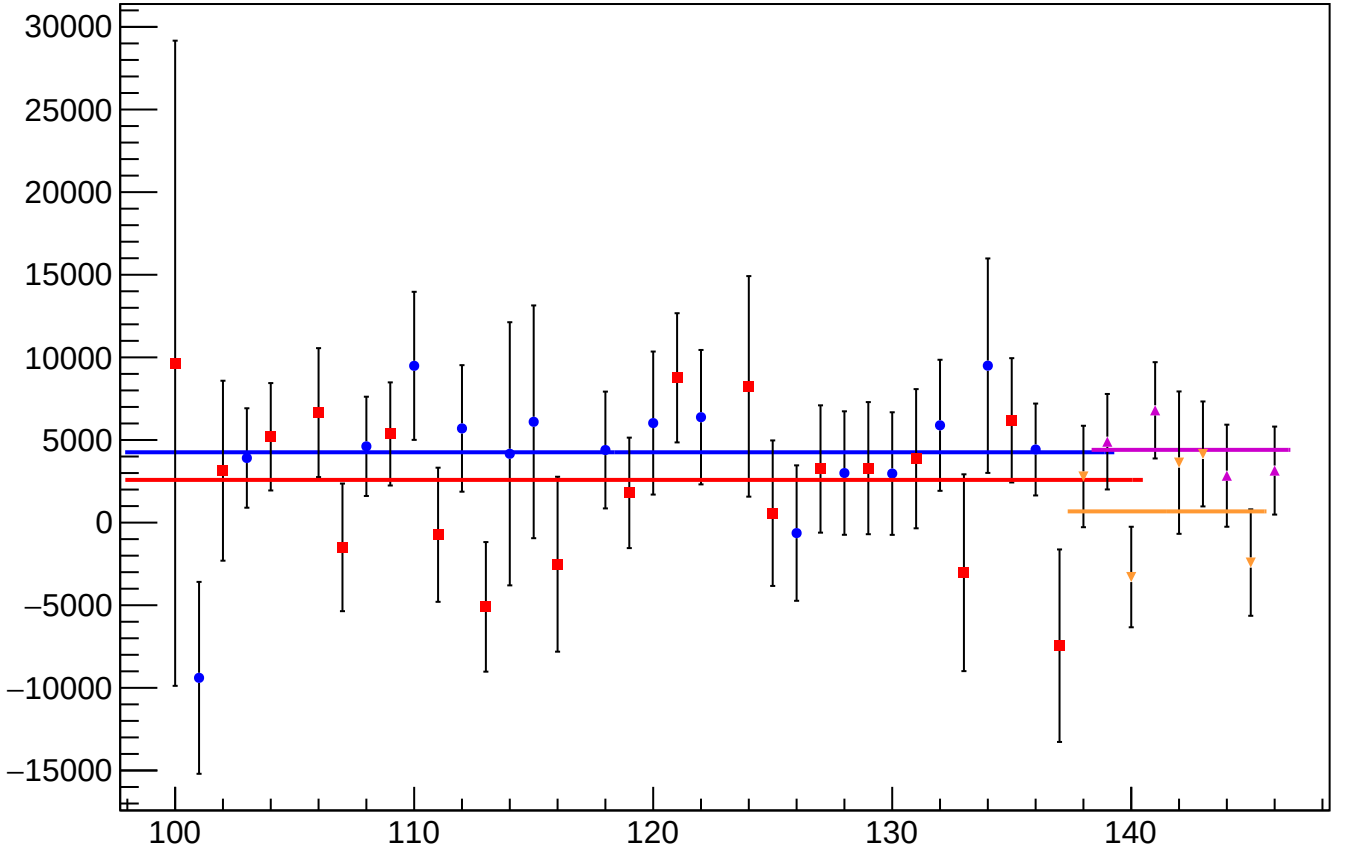
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8450.224+/-1.855 χ^2/NDF:620518.3/19

Out: 7812.517+/-1.698 χ^2/NDF:1028308.3/23

All: 8103.244+/-1.252 χ^2/NDF: 1713131.2/43

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 679.040+/-1468.678 χ^2/NDF:4.8/4

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 4403.044+/-1438.331 χ^2/NDF:1.2/3

Left: 2579.914+/-1027.615 χ^2/NDF: 9.2/8

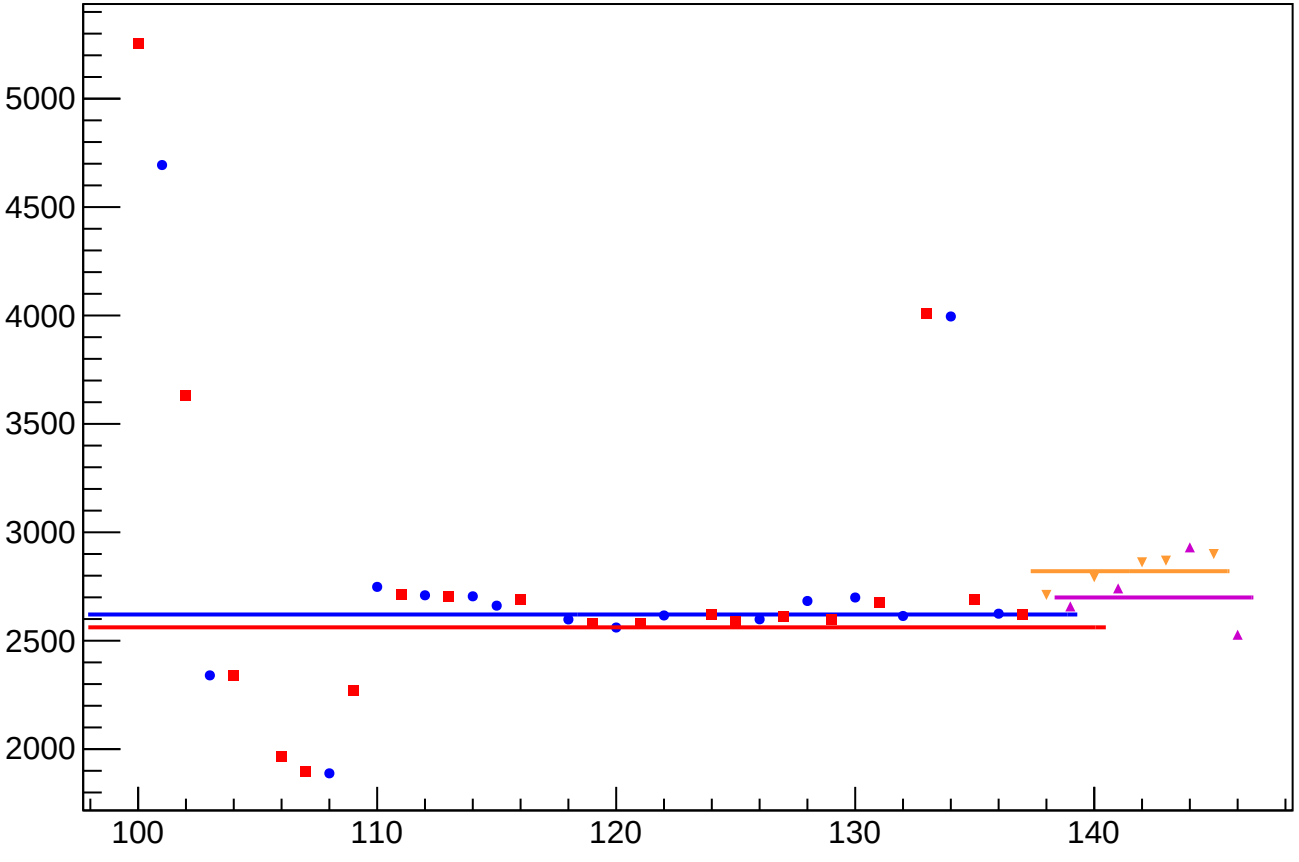
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4303.971+/-815.800 χ^2/NDF:11.2/19

Out: 2009.197+/-807.101 χ^2/NDF:23.6/23

All: 3144.283+/-573.757 χ^2/NDF: 38.8/43

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2820.623+/-1.039 χ^2/NDF:4561.3/4

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2699.481+/-1.017 χ^2/NDF:20348.1/3

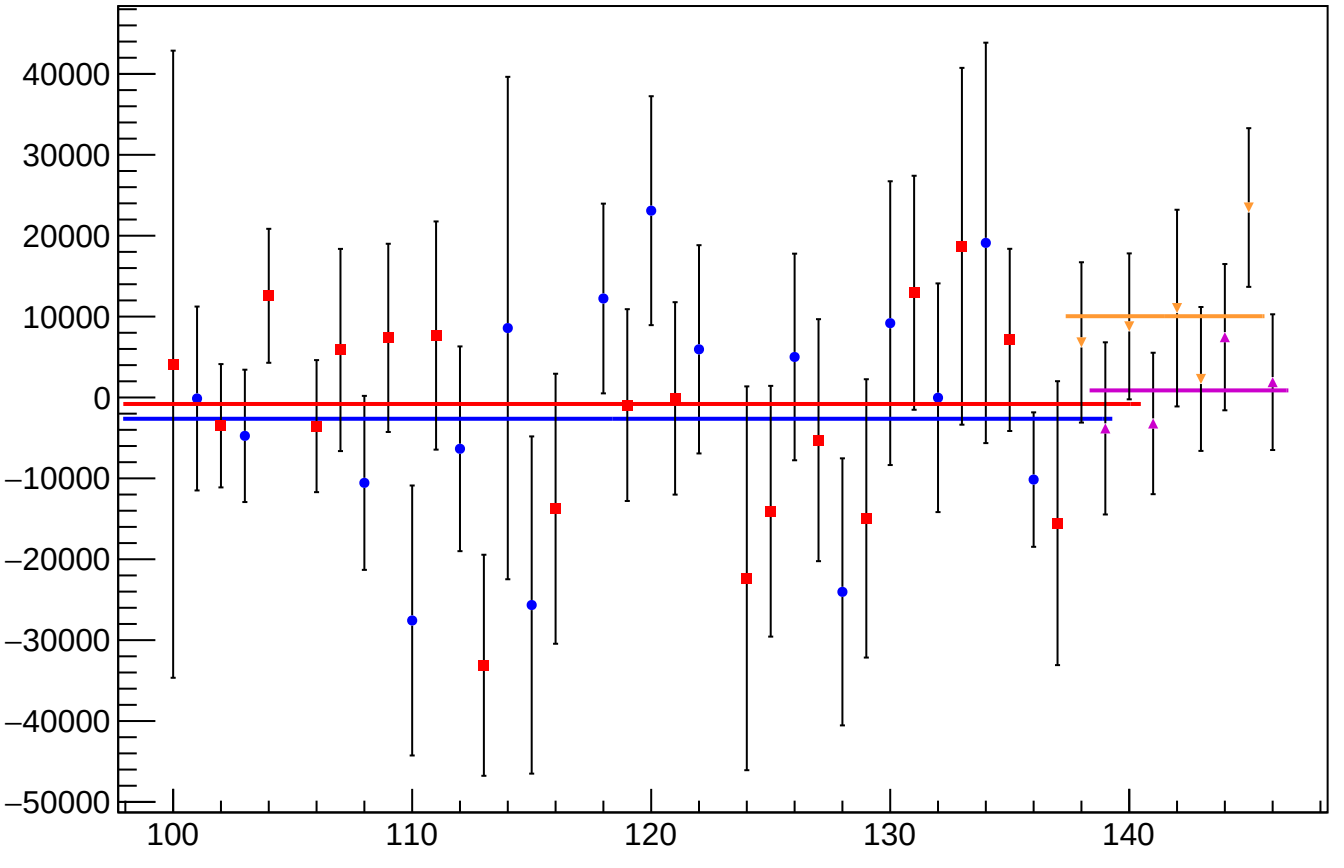
Left: 2758.787+/-0.727 χ^2/NDF: 31855.0/8

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2646.222+/-0.577 χ^2/NDF:510305.1/19

Out: 2639.843+/-0.570 χ^2/NDF:426218.0/23

All: 2642.997+/-0.406 χ^2/NDF: 936584.9/43



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 10047.056+/-4374.135 χ^2/NDF:2.8/4

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 876.083+/-4547.825 χ^2/NDF:1.0/3

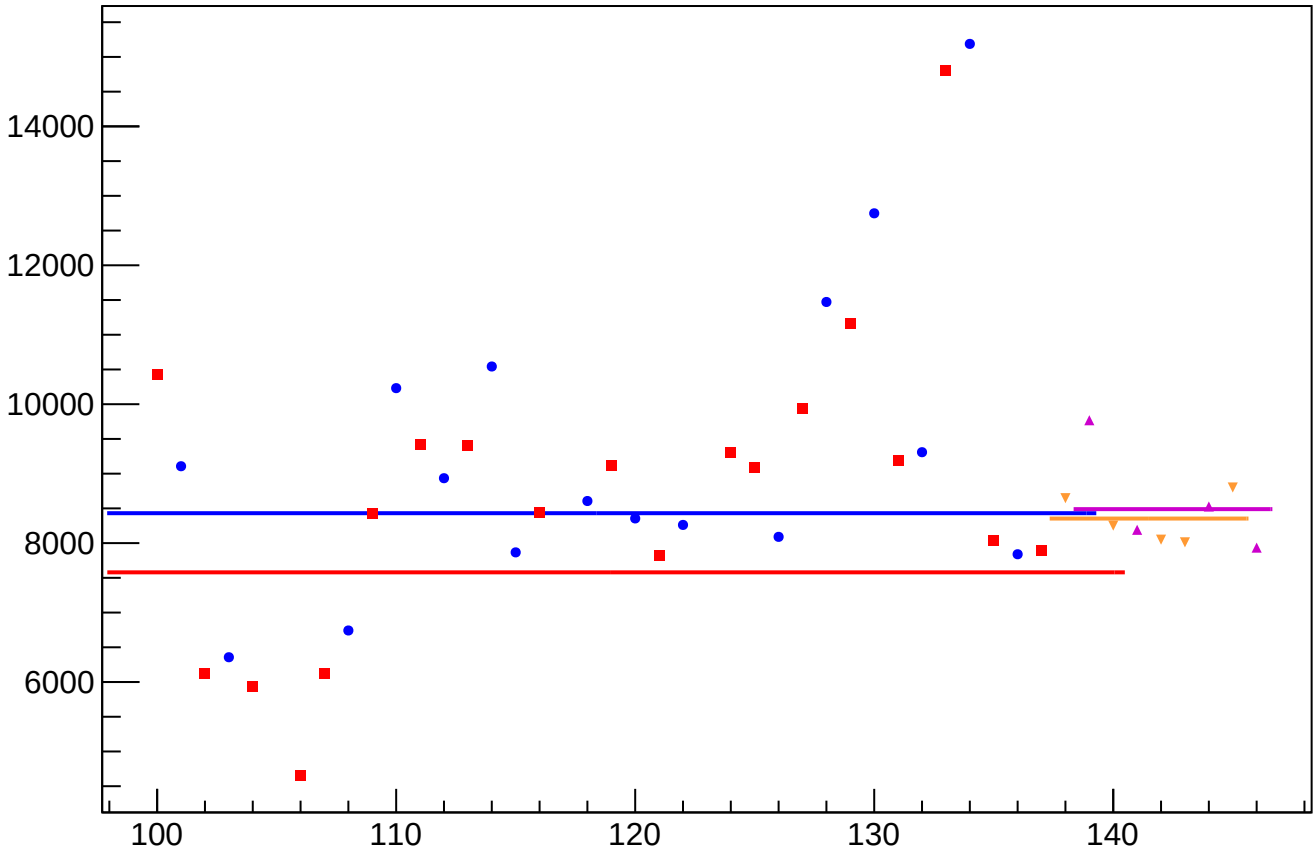
Left: 5640.041+/-3152.596 χ^2/NDF: 5.8/8

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -1464.647+/-2623.348 χ^2/NDF:15.2/19

Out: 2467.036+/-2401.301 χ^2/NDF:22.5/23

All: 674.603+/-1771.284 χ^2/NDF: 38.8/43



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8353.585+/-3.093 χ^2/NDF:10380.0/4

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8489.249+/-3.216 χ^2/NDF:40003.0/3

Left: 8418.777+/-2.229 χ^2/NDF: 51307.5/8

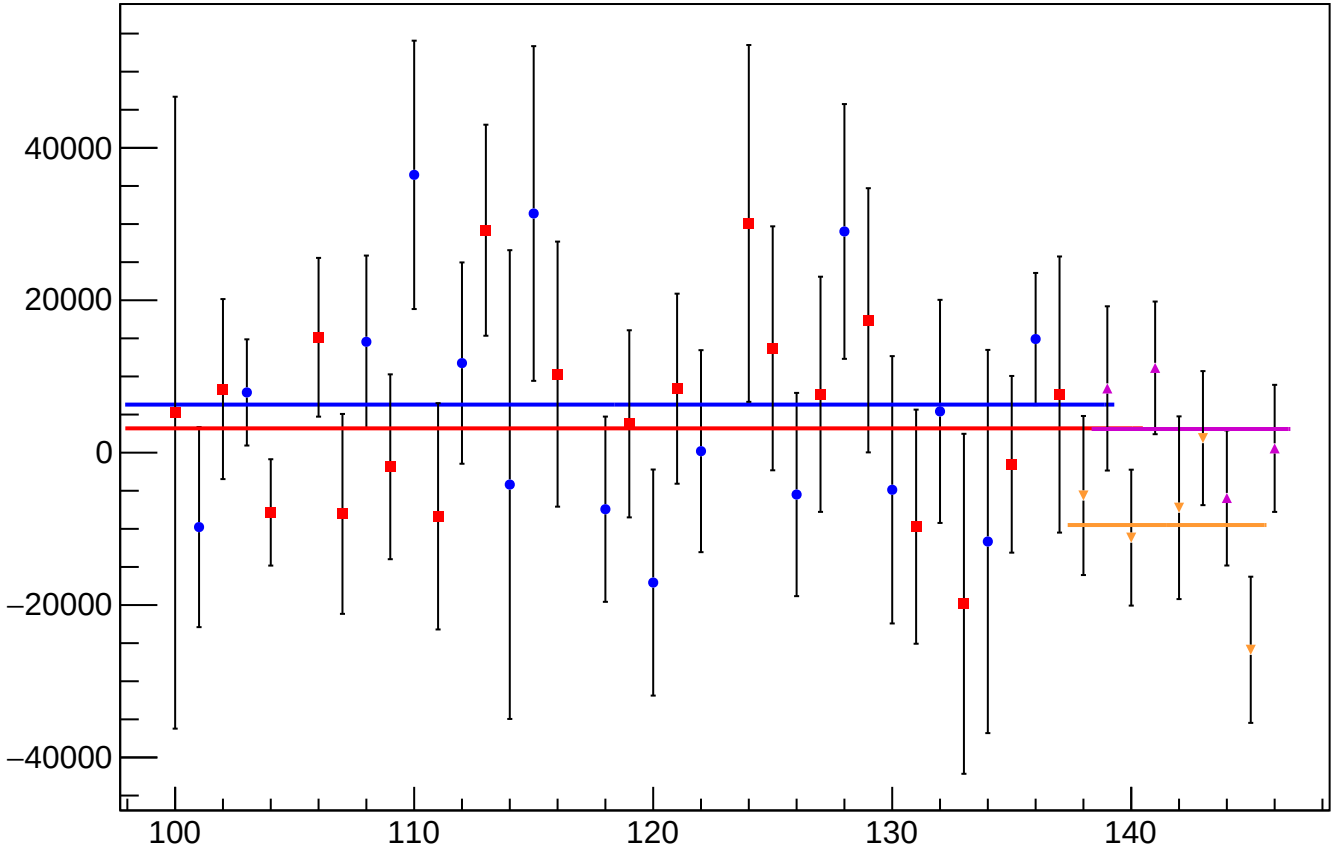
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8450.220+/-1.855 χ^2/NDF:620513.1/19

Out: 7812.512+/-1.698 χ^2/NDF:1028307.3/23

All: 8103.240+/-1.252 χ^2/NDF: 1713125.5/43

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -9496.878+/-4363.319 χ^2/NDF:4.8/4

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 3105.068+/-4521.460 χ^2/NDF:2.2/3

Left: -3418.695+/-3140.124 χ^2/NDF: 11.1/8

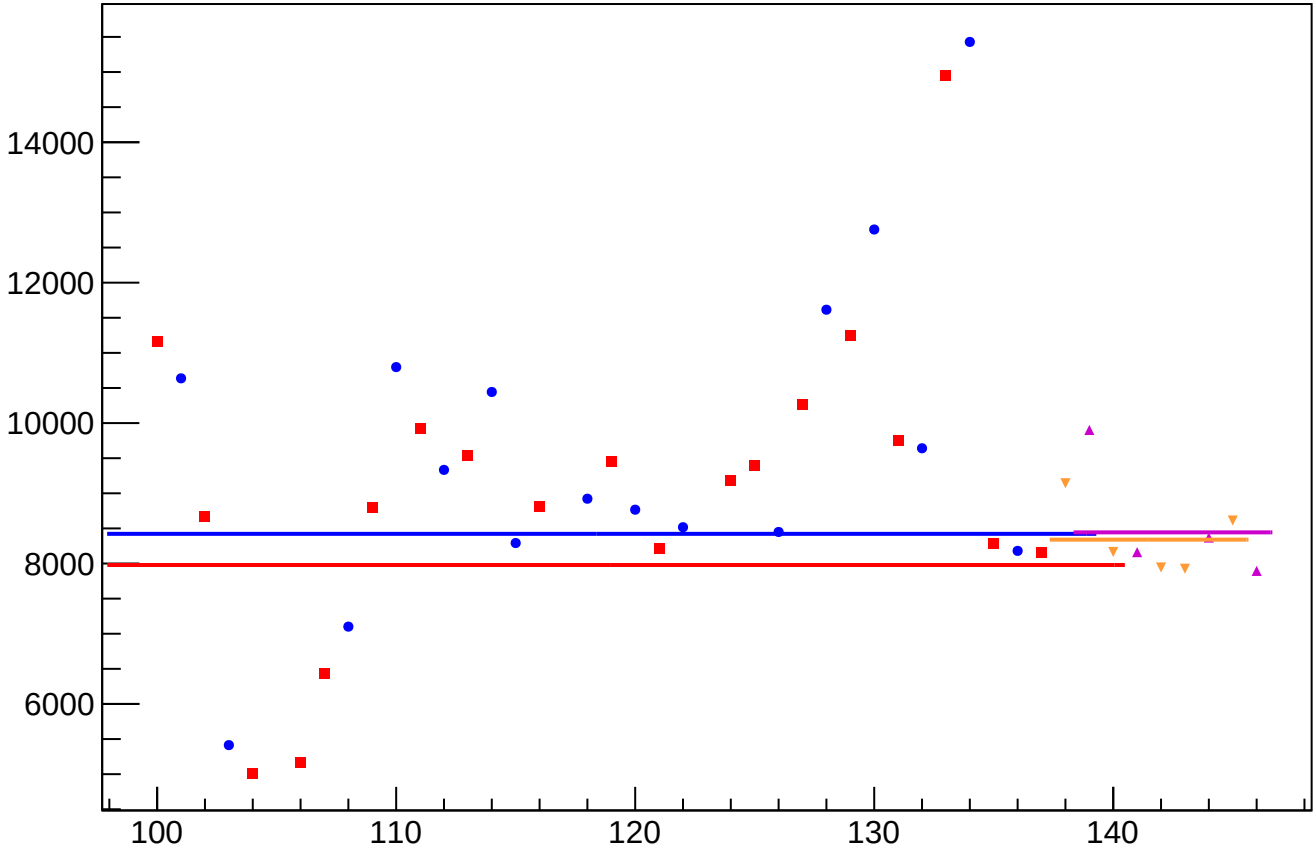
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 5220.816+/-2633.473 χ^2/NDF:17.7/19

Out: -1007.579+/-2510.246 χ^2/NDF:24.3/23

All: 1957.492+/-1817.014 χ^2/NDF: 44.9/43

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8340.061+/-3.086 χ^2/NDF:20849.8/4

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8443.768+/-3.197 χ^2/NDF:47533.6/3

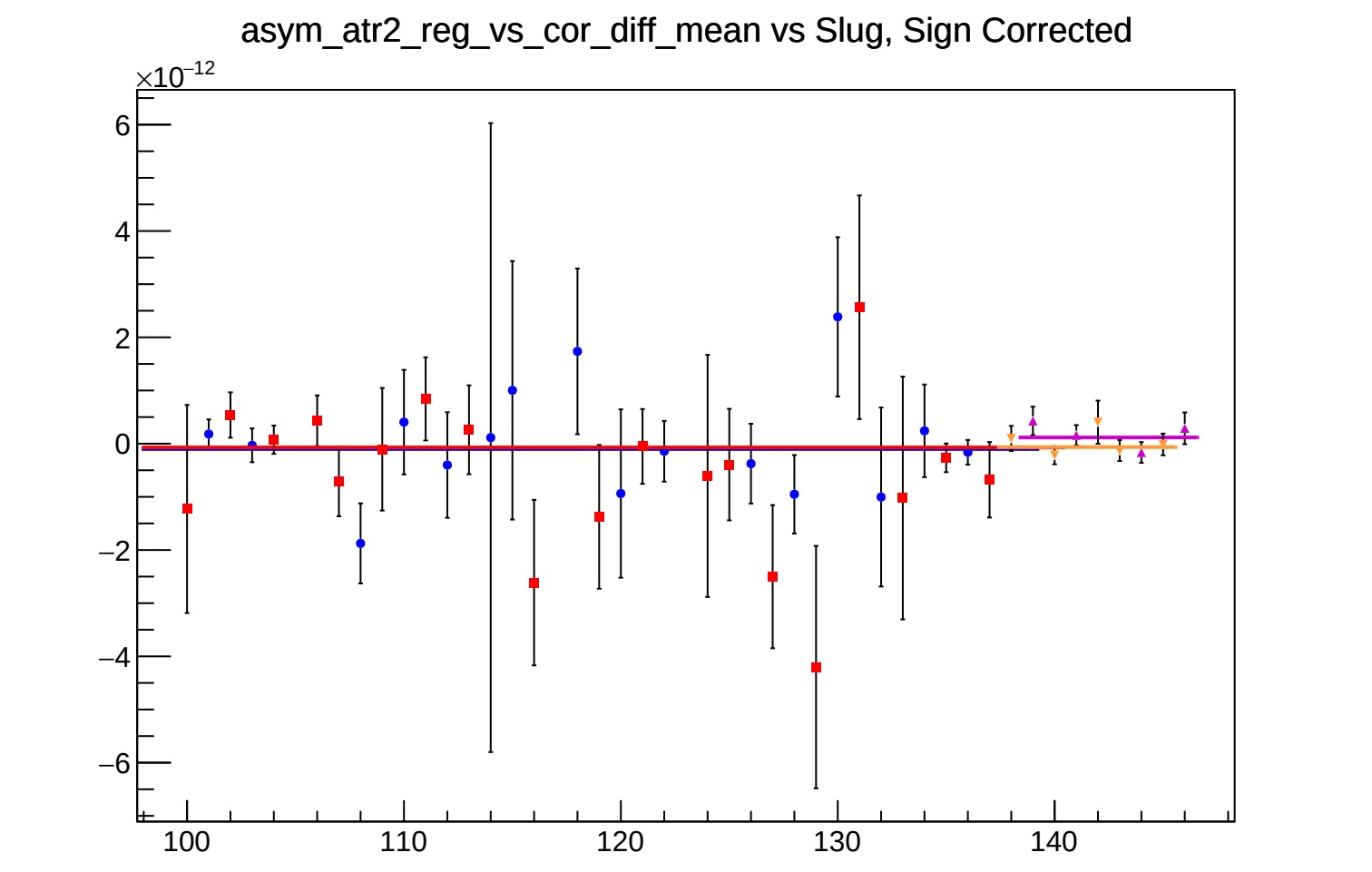
Left: 8390.081+/-2.220 χ^2/NDF: 68928.1/8

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8429.858+/-1.862 χ^2/NDF:929396.1/19

Out: 8098.443+/-1.775 χ^2/NDF:1046029.1/23

All: 8256.214+/-1.285 χ^2/NDF: 1992021.4/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:2.8/4

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/3

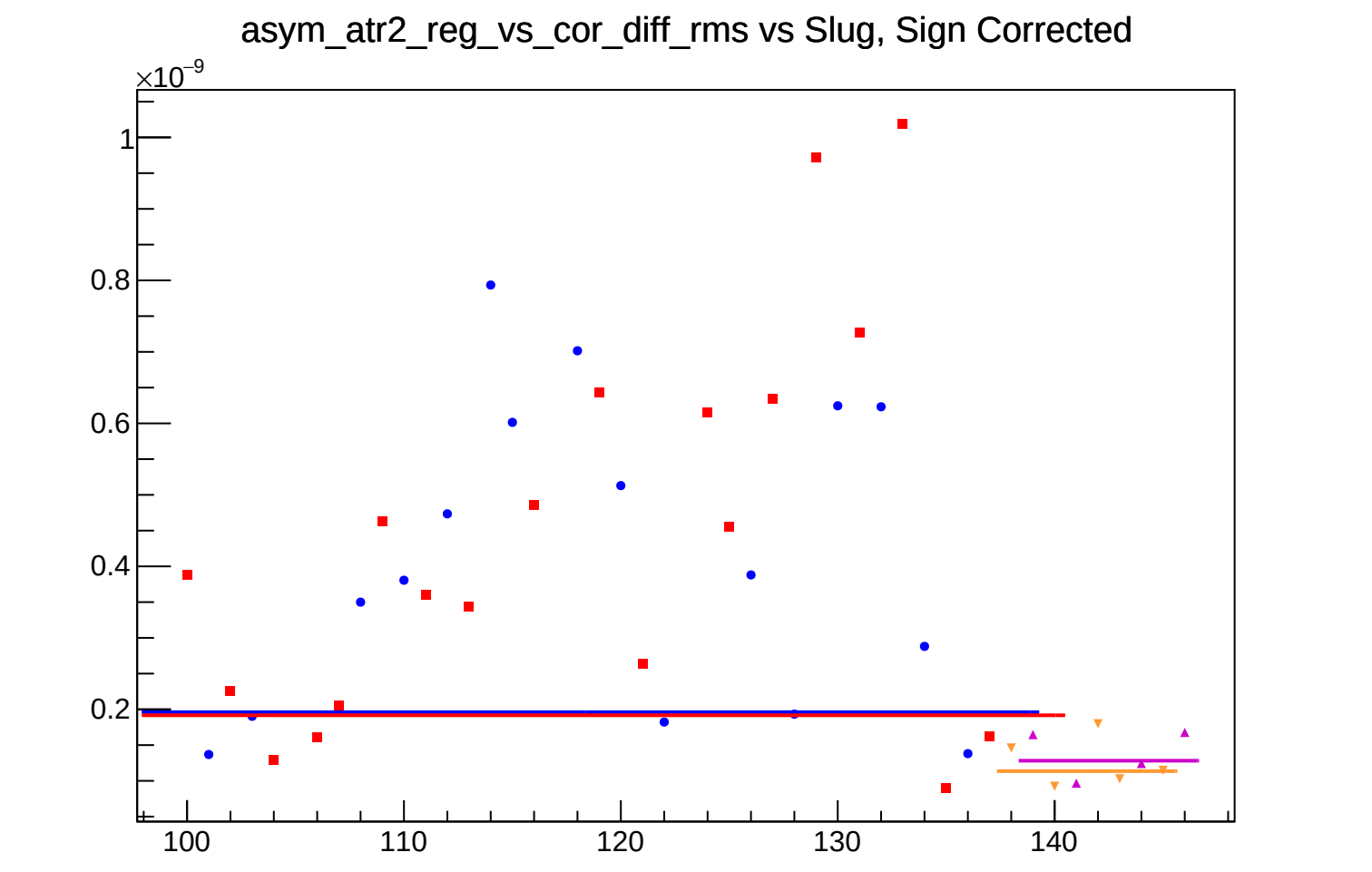
Left: 0.000+/-0.000 χ^2/NDF: 8.1/8

Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: 0.000+/-0.000 χ^2/NDF:19.0/19

Out: -0.000+/-0.000 χ^2/NDF:22.4/23

All: -0.000+/-0.000 χ^2/NDF: 42.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:128197.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:126962.7/3

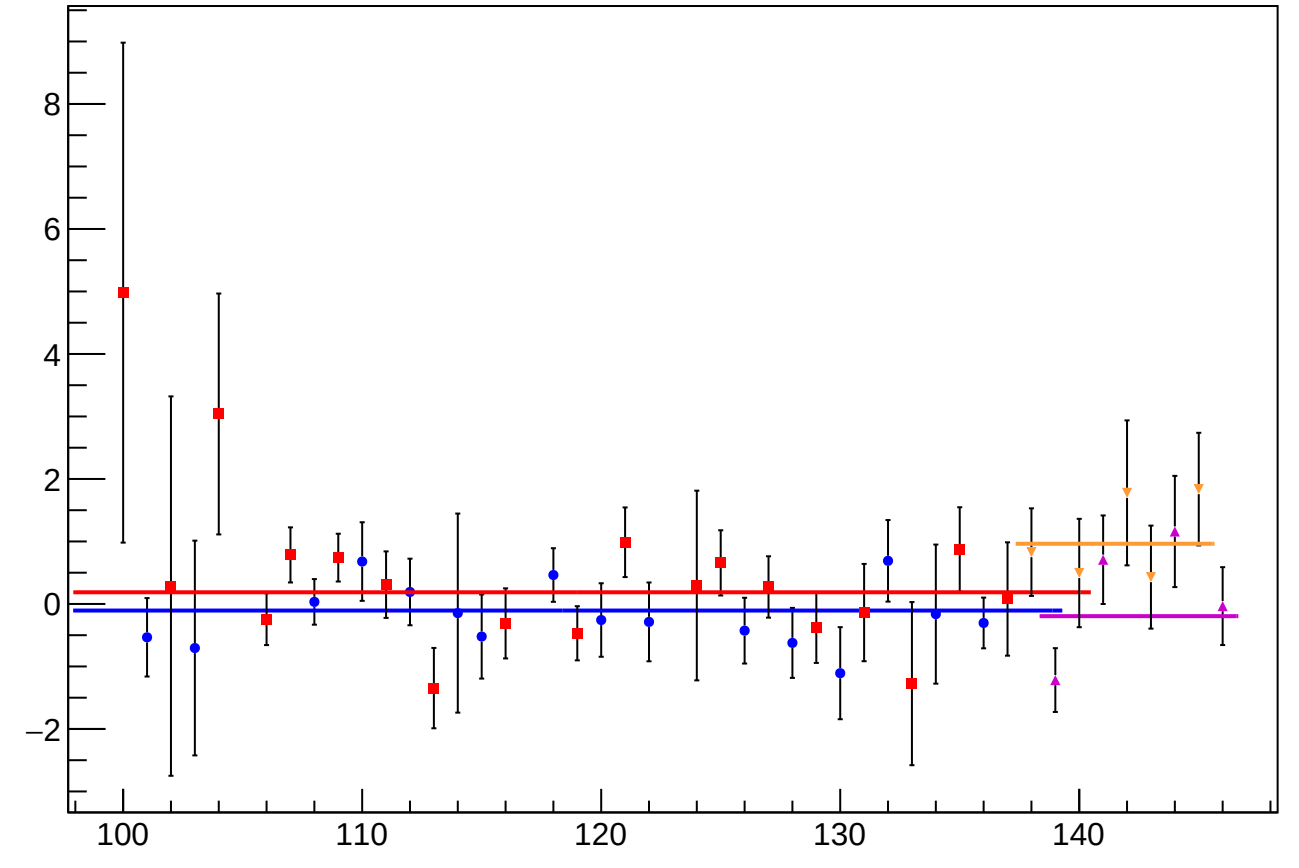
Left: 0.000+/-0.000 χ^2/NDF: 274529.9/8

Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:1769290.5/19

Out: 0.000+/-0.000 χ^2/NDF:2620890.8/23

All: 0.000+/-0.000 χ^2/NDF: 4435092.3/43



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.963+/-0.383 χ^2/NDF:2.2/4

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.195+/-0.322 χ^2/NDF:8.0/3

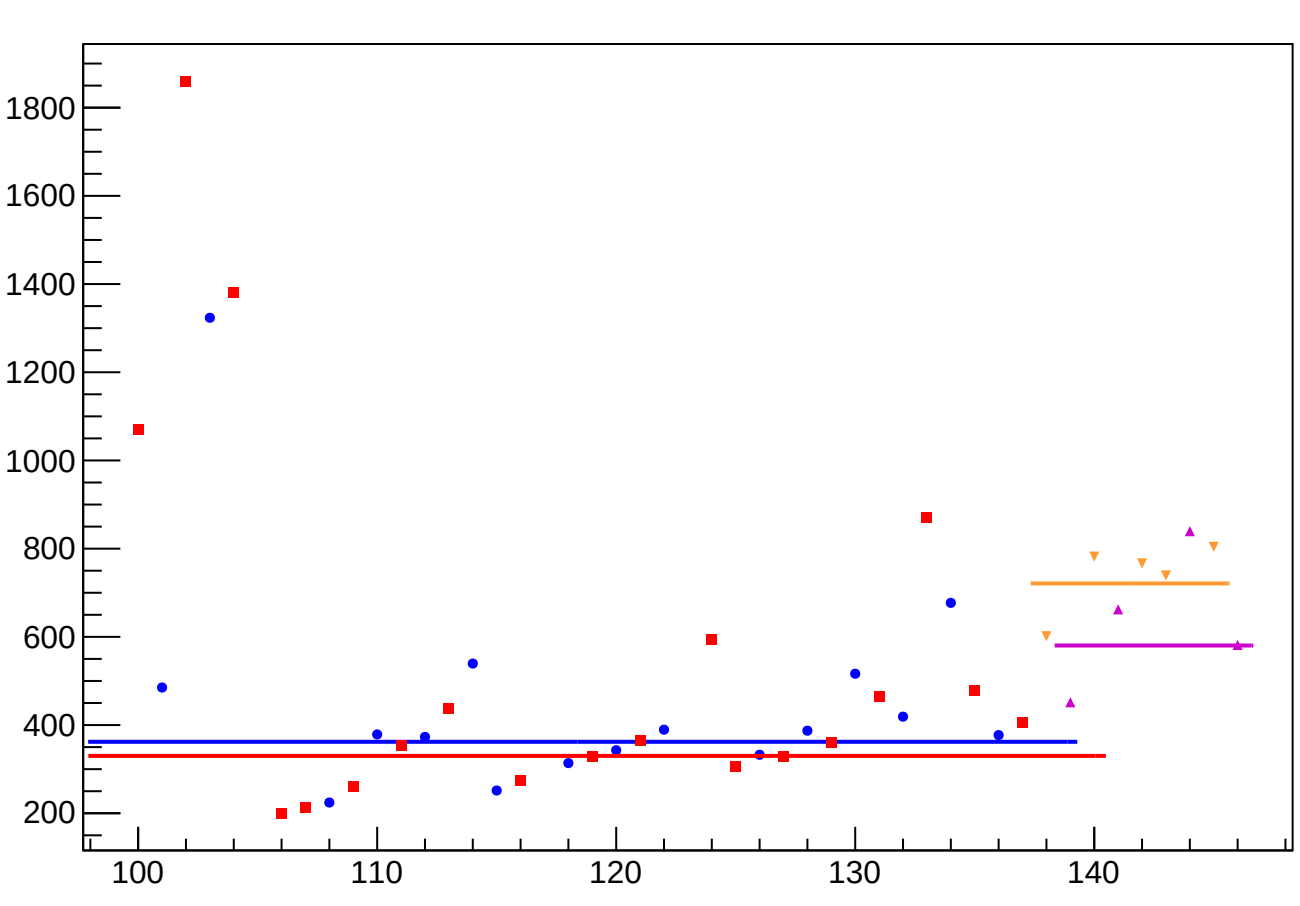
Left: 0.284+/-0.246 χ^2/NDF: 15.6/8

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.121+/-0.132 χ^2/NDF:17.8/19

Out: 0.275+/-0.129 χ^2/NDF:29.7/23

All: 0.081+/-0.092 χ^2/NDF: 52.1/43



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 721.111+/-0.271 χ^2/NDF:89248.5/4

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 580.394+/-0.227 χ^2/NDF:323510.7/3

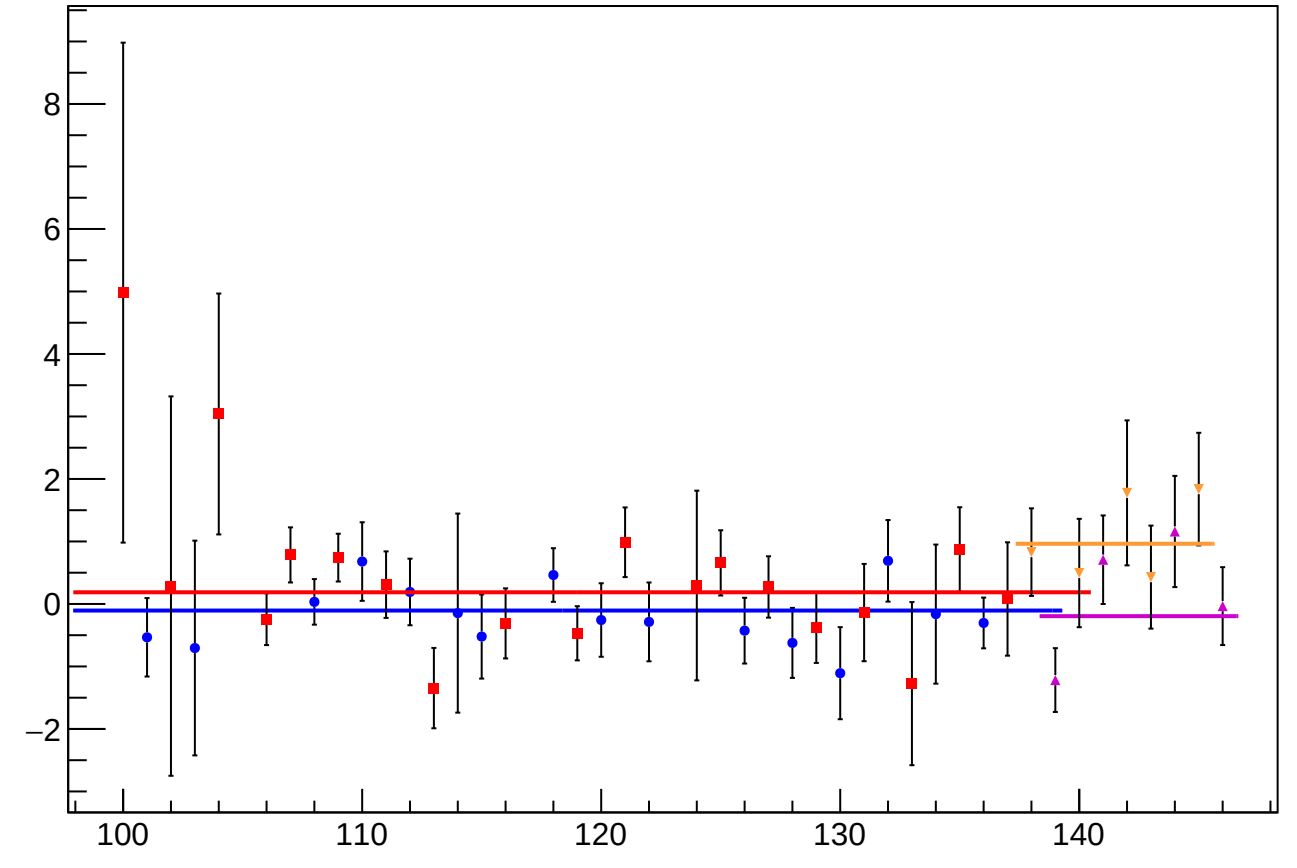
Left: 638.564+/-0.174 χ^2/NDF: 571051.1/8

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 398.794+/-0.093 χ^2/NDF:2467659.5/19

Out: 374.657+/-0.091 χ^2/NDF:4181882.3/23

All: 386.485+/-0.065 χ^2/NDF: 6683672.9/43



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.963+/-0.383 χ^2/NDF:2.2/4

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.195+/-0.322 χ^2/NDF:8.0/3

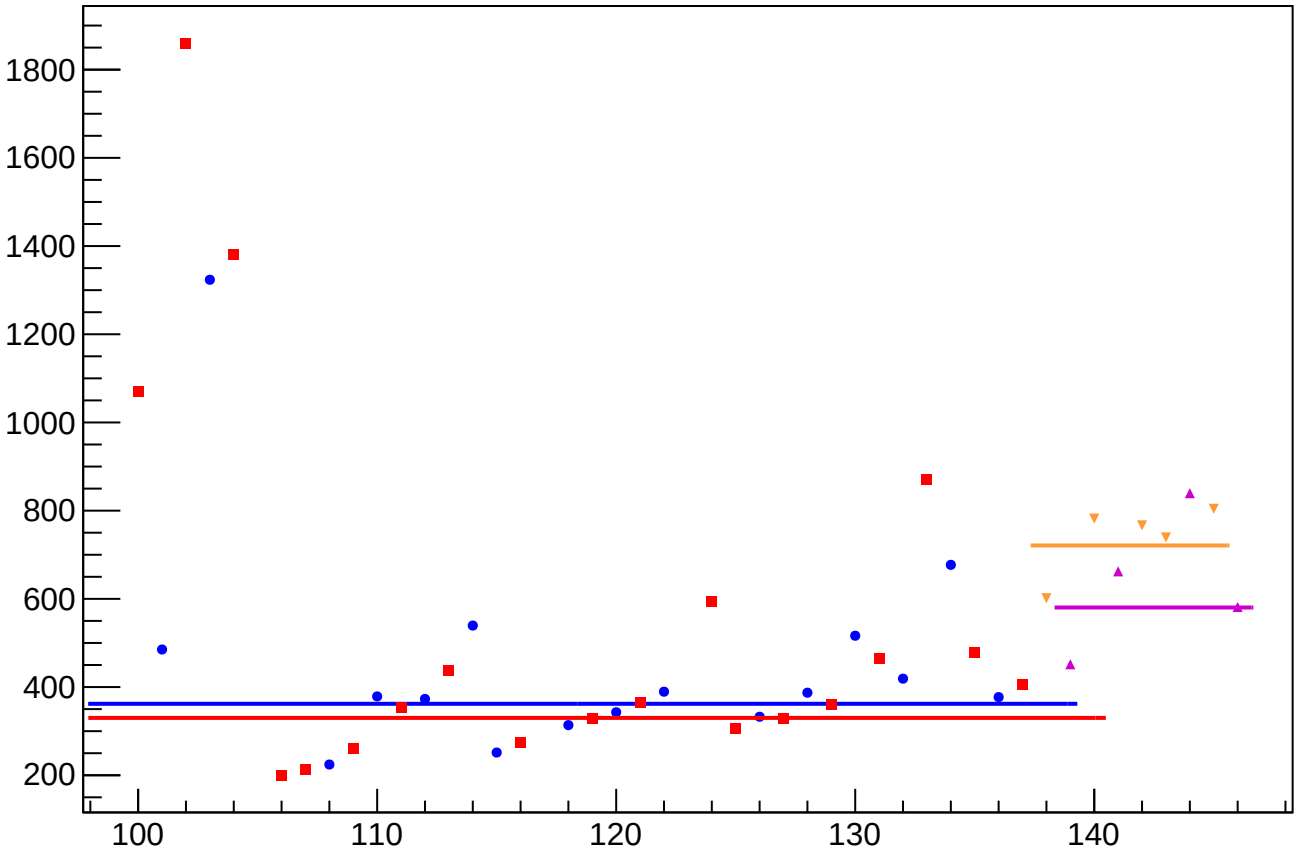
Left: 0.284+/-0.246 χ^2/NDF: 15.6/8

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.121+/-0.132 χ^2/NDF:17.8/19

Out: 0.275+/-0.129 χ^2/NDF:29.7/23

All: 0.081+/-0.092 χ^2/NDF: 52.1/43



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 721.111+/-0.271 χ^2/NDF:89248.5/4

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 580.394+/-0.227 χ^2/NDF:323510.7/3

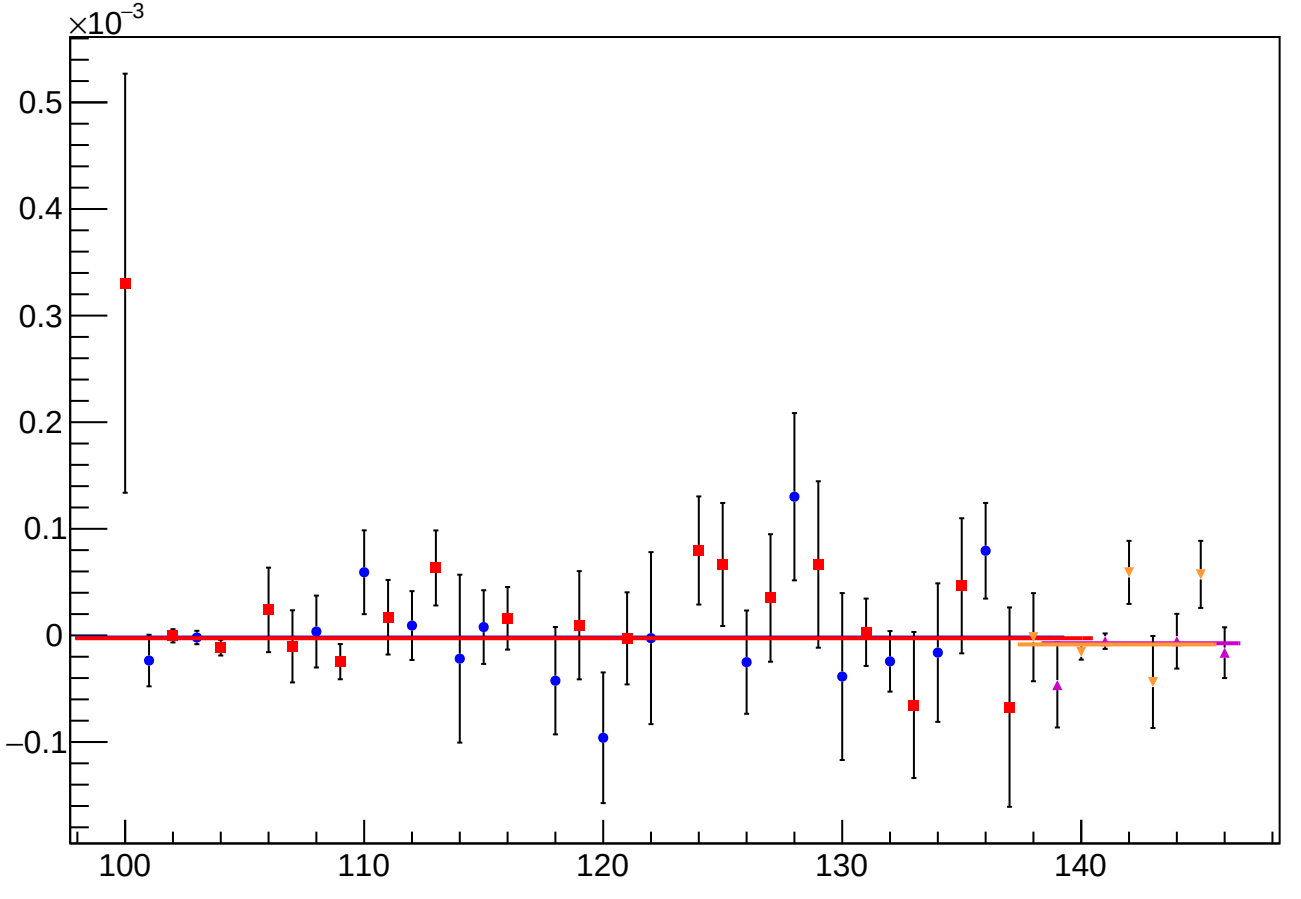
Left: 638.564+/-0.174 χ^2/NDF: 571051.1/8

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 398.794+/-0.093 χ^2/NDF:2467659.5/19

Out: 374.657+/-0.091 χ^2/NDF:4181882.3/23

All: 386.485+/-0.065 χ^2/NDF: 6683672.9/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

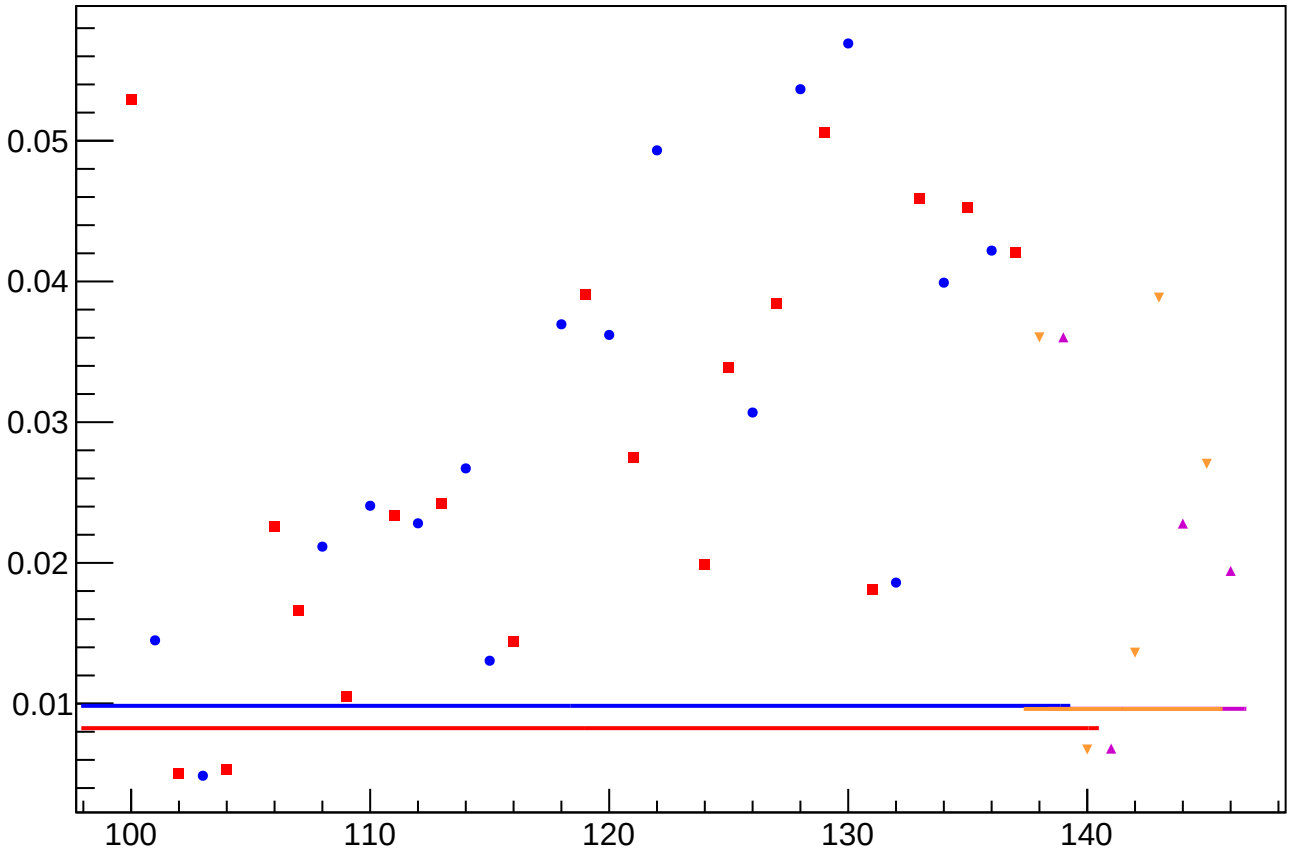
Left: -0.000+/-0.000 χ^2/NDF: 12.4/8

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:15.3/19

Out: -0.000+/-0.000 χ^2/NDF:29.9/23

All: -0.000+/-0.000 χ^2/NDF: 45.3/43



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:2692711.4/4

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.010+/-0.000 χ^2/NDF:2050851.9/3

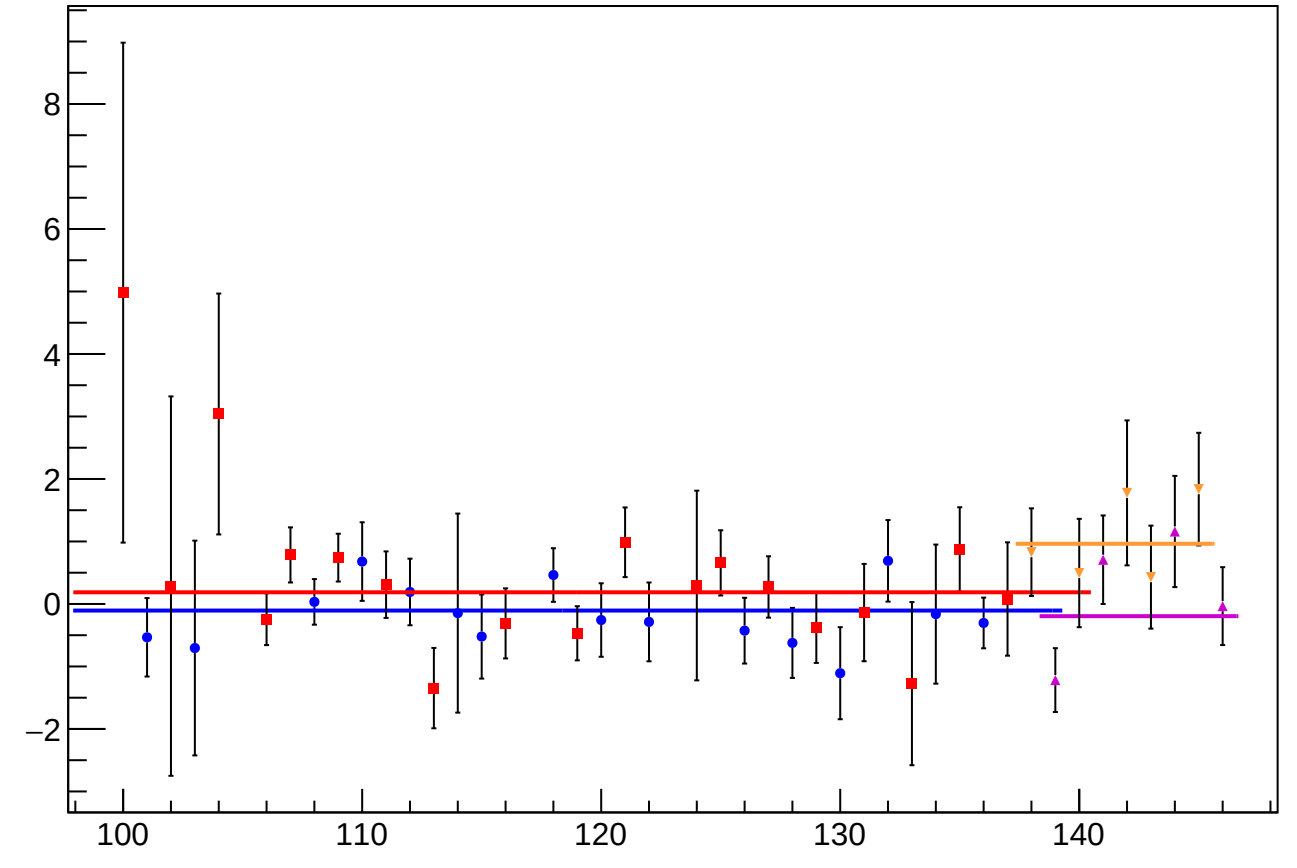
Left: 0.010+/-0.000 χ^2/NDF: 4743565.9/8

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.010+/-0.000 χ^2/NDF:9104454.9/19

Out: 0.009+/-0.000 χ^2/NDF:9492163.1/23

All: 0.009+/-0.000 χ^2/NDF: 18679216.1/43



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.963+/-0.383 χ^2/NDF:2.2/4

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.195+/-0.322 χ^2/NDF:8.0/3

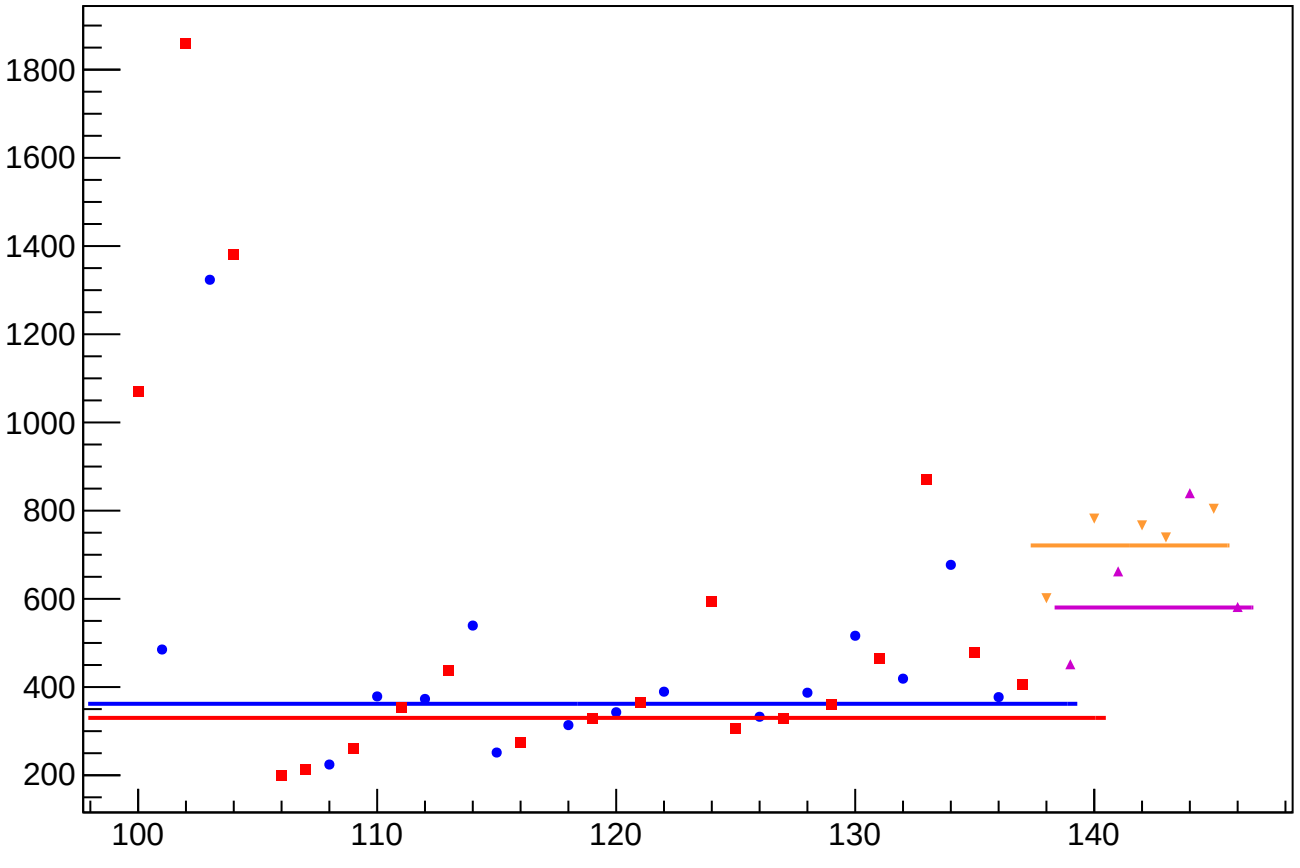
Left: 0.284+/-0.246 χ^2/NDF: 15.6/8

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.121+/-0.132 χ^2/NDF:17.8/19

Out: 0.275+/-0.129 χ^2/NDF:29.7/23

All: 0.081+/-0.092 χ^2/NDF: 52.1/43



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 721.120+/-0.271 χ^2/NDF:89241.9/4

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 580.401+/-0.227 χ^2/NDF:323497.0/3

Left: 638.572+/-0.174 χ^2/NDF: 571029.5/8

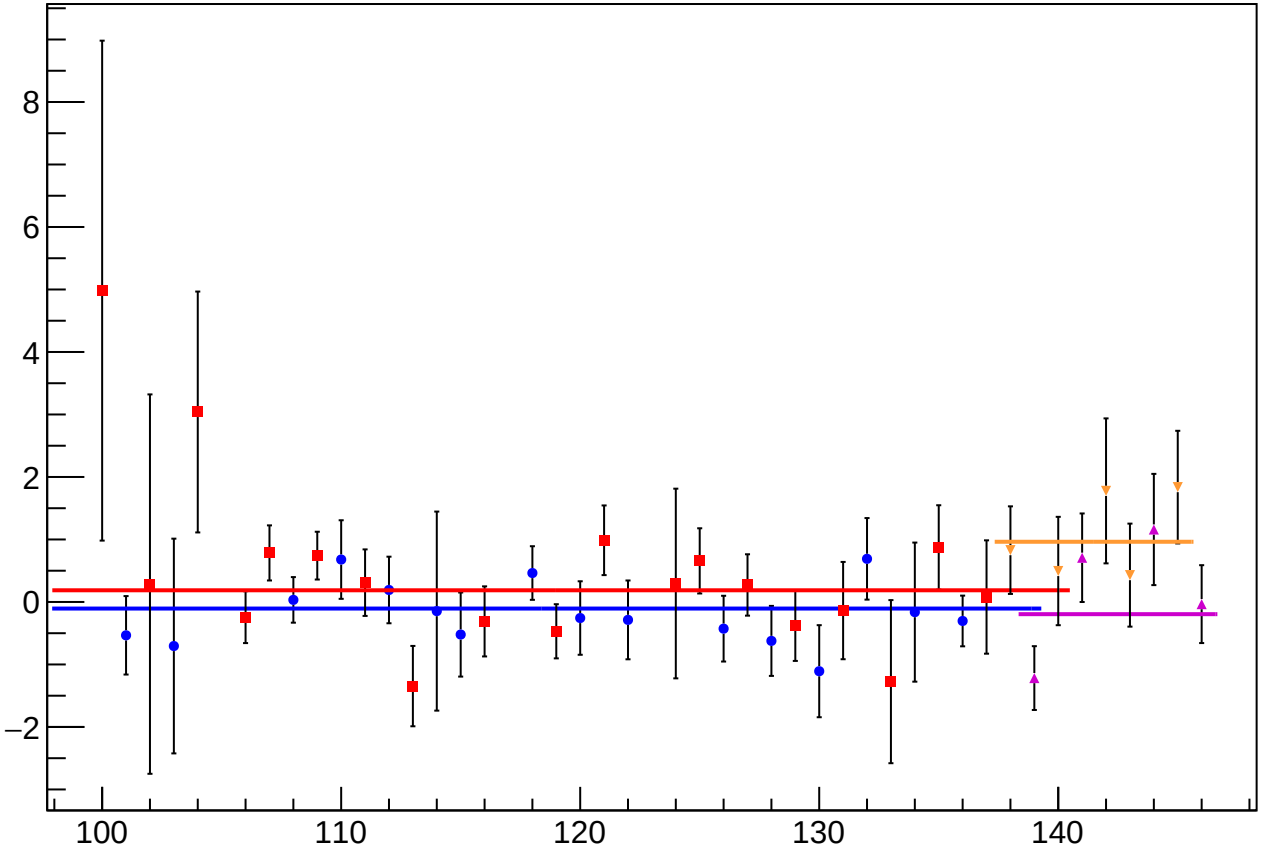
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 398.792+/-0.093 χ^2/NDF:2467708.1/19

Out: 374.655+/-0.091 χ^2/NDF:4181926.4/23

All: 386.483+/-0.065 χ^2/NDF: 6683763.9/43

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: 0.963+/-0.383 χ^2/NDF:2.2/4

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.195+/-0.322 χ^2/NDF:8.0/3

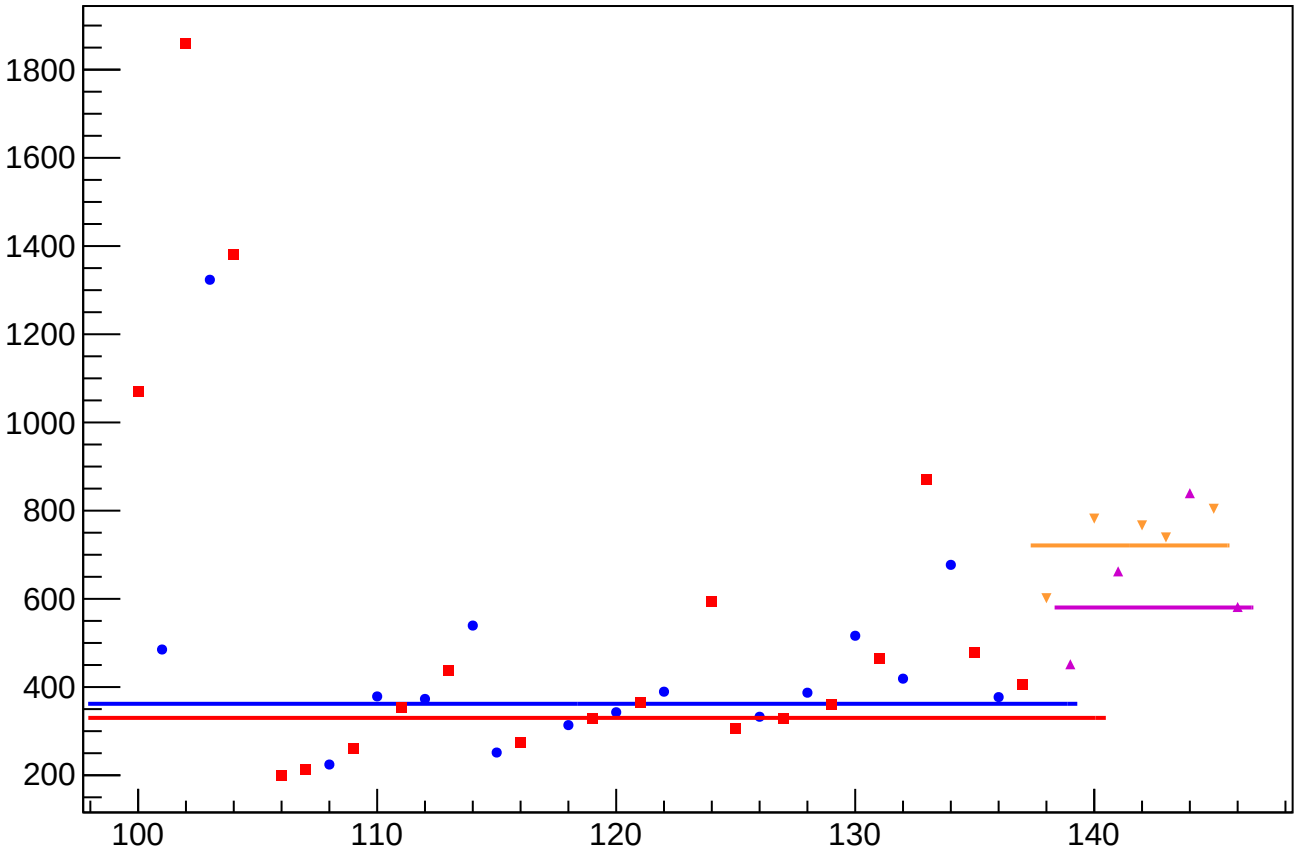
Left: 0.284+/-0.246 χ^2/NDF: 15.6/8

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.121+/-0.132 χ^2/NDF:17.8/19

Out: 0.275+/-0.129 χ^2/NDF:29.7/23

All: 0.081+/-0.092 χ^2/NDF: 52.1/43



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 721.120+/-0.271 χ^2/NDF:89241.9/4

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 580.401+/-0.227 χ^2/NDF:323497.0/3

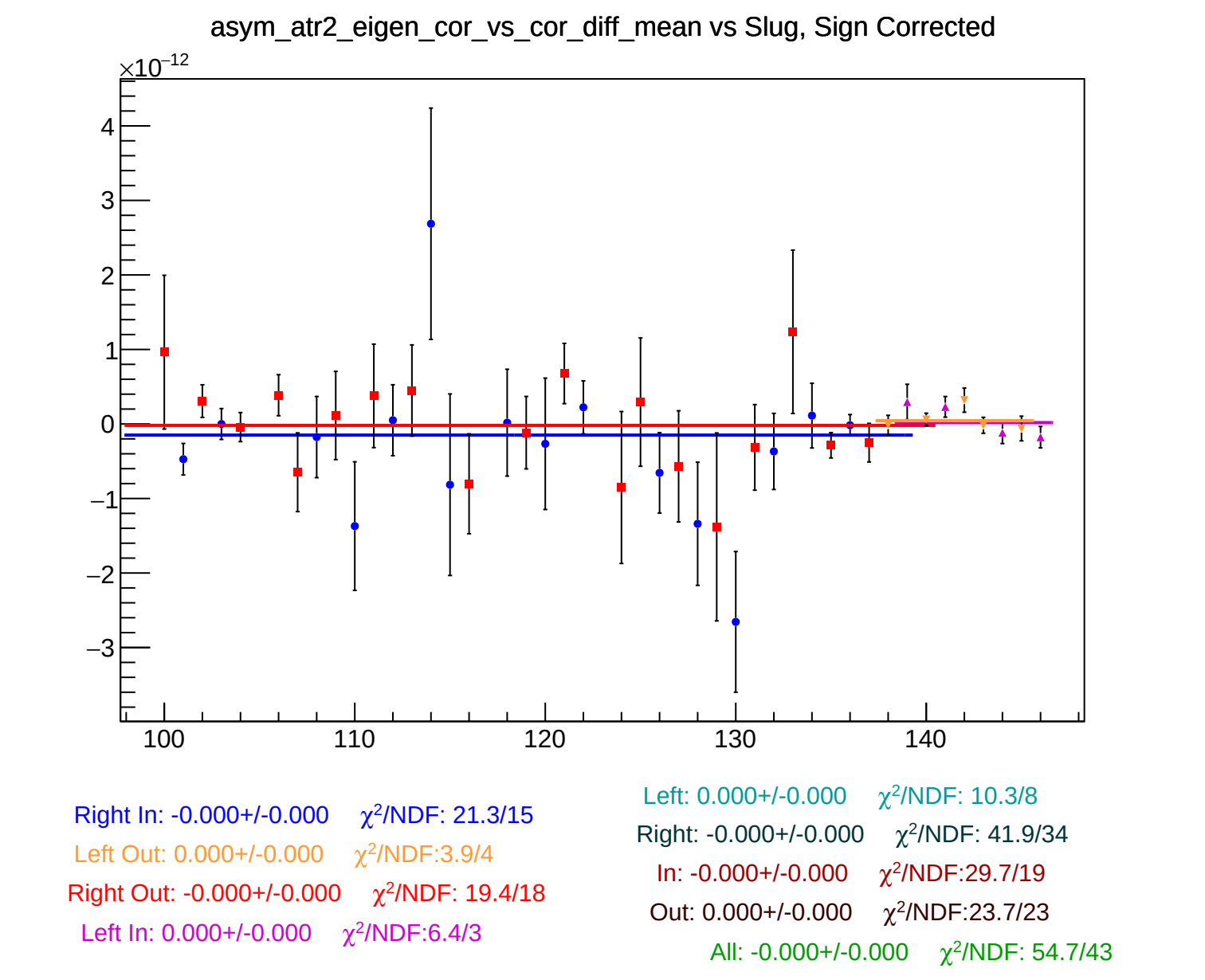
Left: 638.572+/-0.174 χ^2/NDF: 571029.5/8

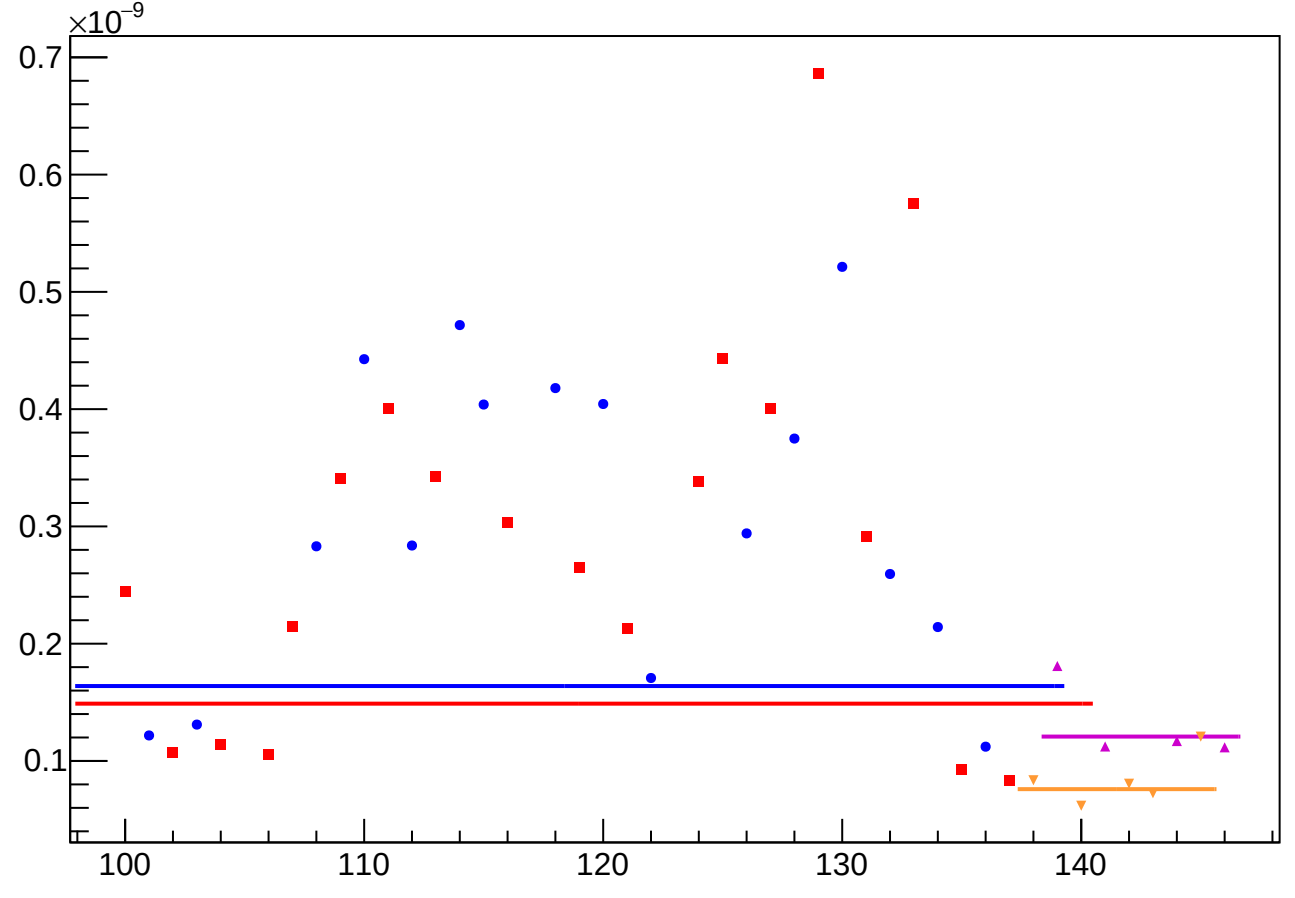
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 398.792+/-0.093 χ^2/NDF:2467708.1/19

Out: 374.655+/-0.091 χ^2/NDF:4181926.4/23

All: 386.483+/-0.065 χ^2/NDF: 6683763.9/43


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
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3.9/4
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: 0.000+/-0.000 χ²/NDF:6.4/3
Left: 0.000+/-0.000 χ²/NDF: 10.3/8
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:29.7/19
Out: 0.000+/-0.000 χ²/NDF:23.7/23
All: -0.000+/-0.000 χ²/NDF: 54.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:212248.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:145315.5/3

Left: 0.000+/-0.000 χ^2/NDF: 812890.9/8

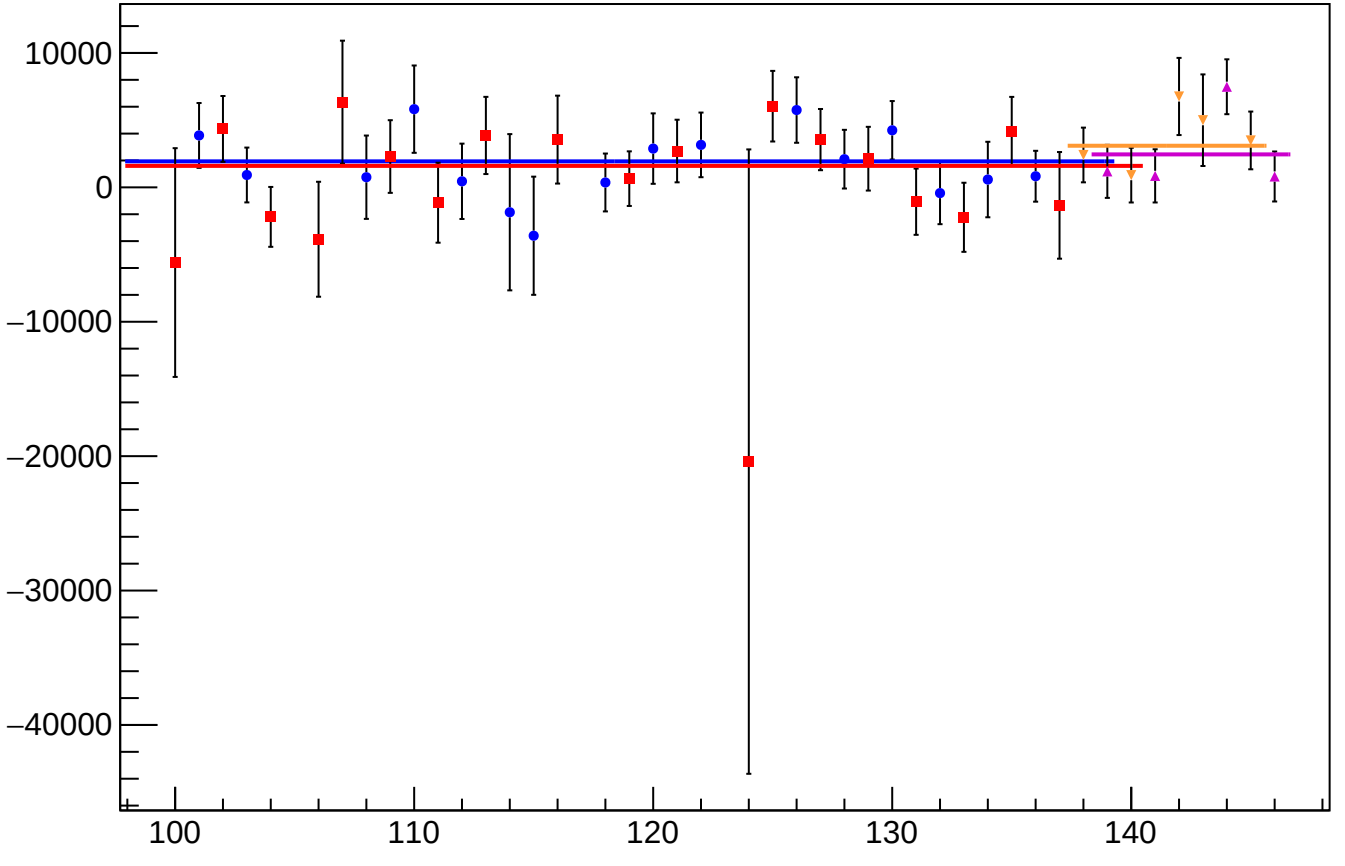
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:2428479.9/19

Out: 0.000+/-0.000 χ^2/NDF:4146486.0/23

All: 0.000+/-0.000 χ^2/NDF: 7266120.6/43

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 3096.358+/-1049.976 χ^2/NDF:3.2/4

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2452.763+/-980.121 χ^2/NDF:7.9/3

Left: 2752.441+/-716.474 χ^2/NDF: 11.4/8

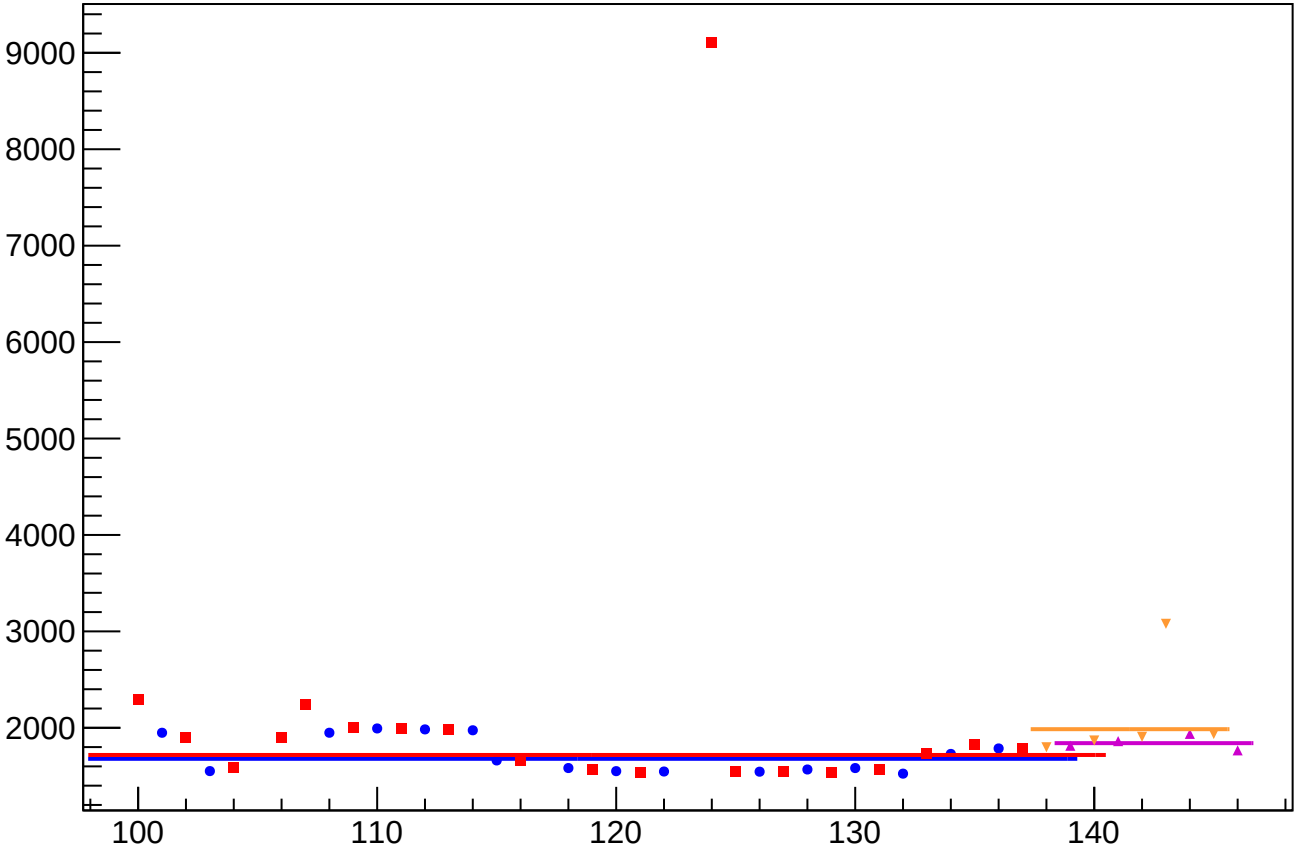
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2085.481+/-528.694 χ^2/NDF:19.0/19

Out: 2005.902+/-547.854 χ^2/NDF:24.1/23

All: 2047.107+/-380.437 χ^2/NDF: 43.1/43

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1985.779+/-0.742 χ^2/NDF:231916.8/4

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

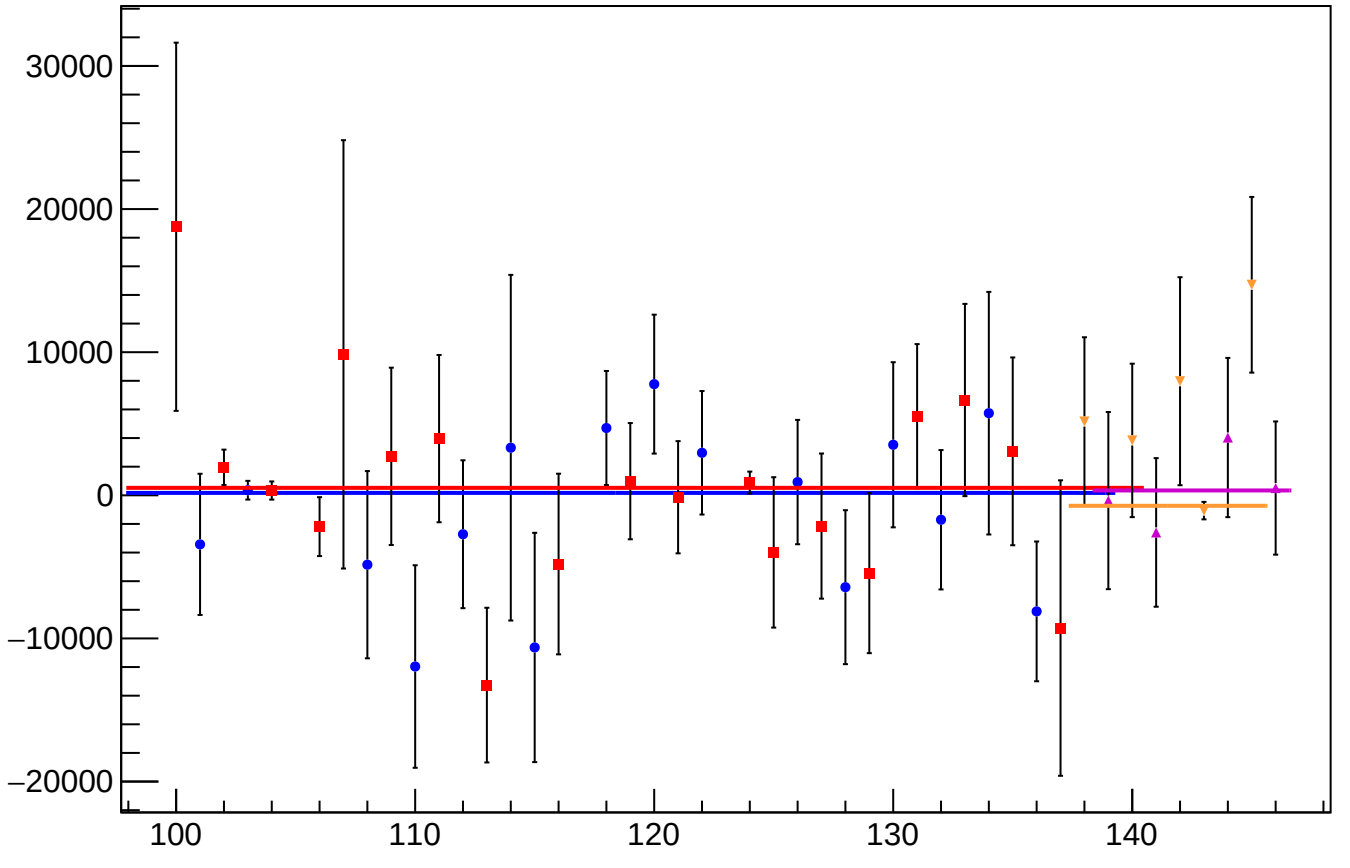
Left: 1908.371+/-0.507 χ^2/NDF: 260529.5/8

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1725.790+/-0.374 χ^2/NDF:188674.5/19

Out: 1790.630+/-0.386 χ^2/NDF:709786.8/23

All: 1757.168+/-0.269 χ^2/NDF: 913018.9/43



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -732.966+/-598.349 χ^2/NDF:9.8/4

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 339.019+/-2656.747 χ^2/NDF:0.8/3

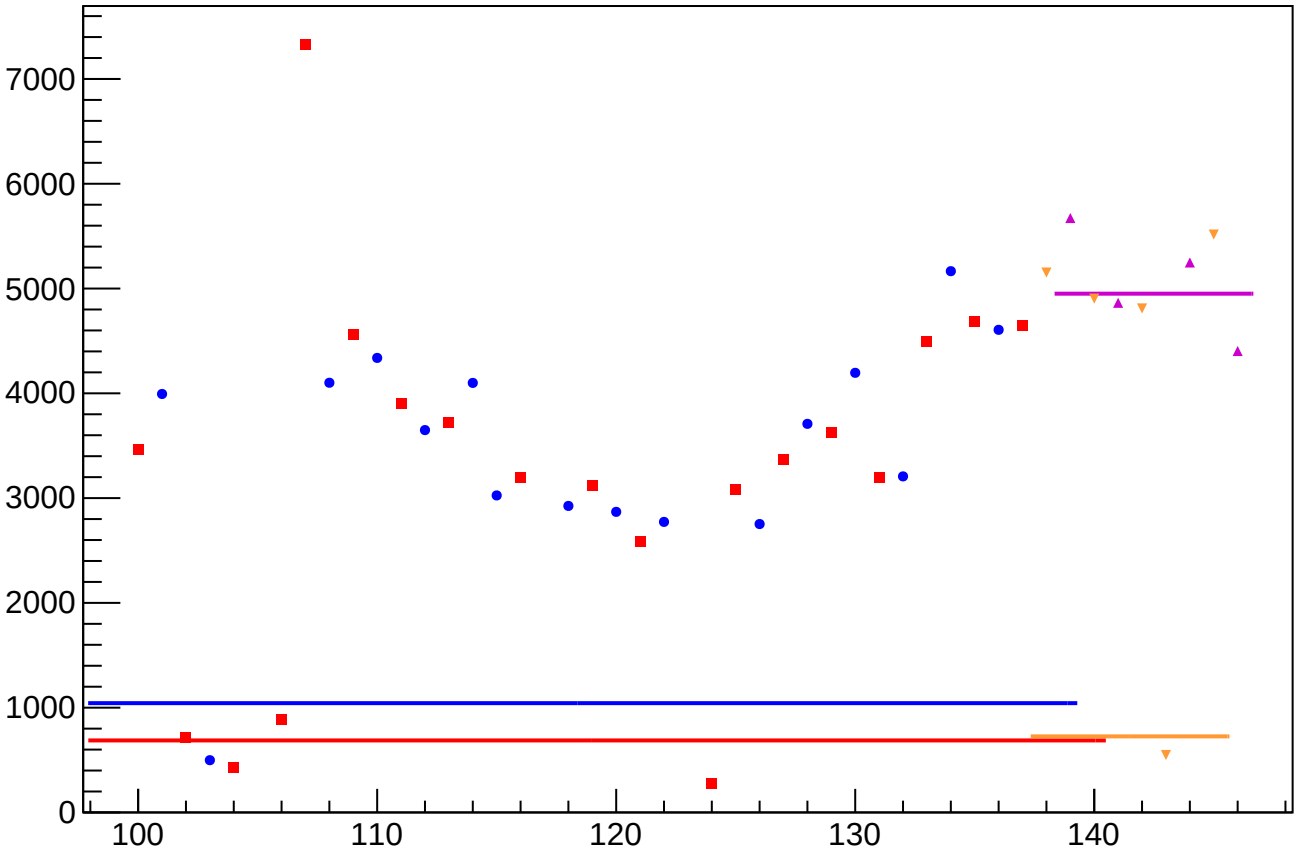
Left: -681.216+/-583.728 χ^2/NDF: 10.7/8

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 176.349+/-577.463 χ^2/NDF:16.6/19

Out: 100.845+/-346.373 χ^2/NDF:31.3/23

All: 120.822+/-297.036 χ^2/NDF: 47.9/43



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 726.084+/-0.423 χ^2/NDF:4364327.6/4

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 4950.964+/-1.879 χ^2/NDF:61180.3/3

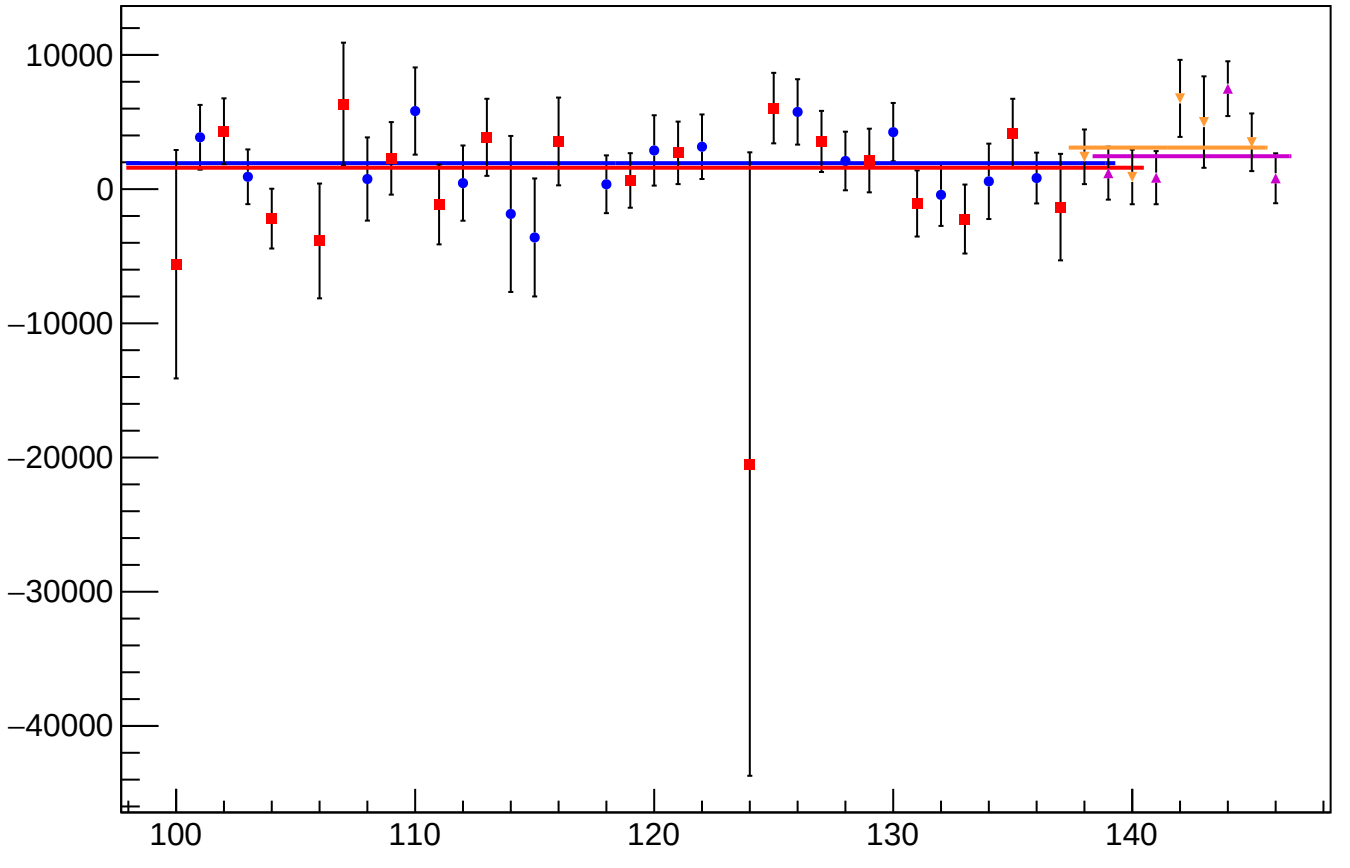
Left: 930.040+/-0.413 χ^2/NDF: 9239106.4/8

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1227.740+/-0.408 χ^2/NDF:12295821.9/19

Out: 700.316+/-0.245 χ^2/NDF:13001435.9/23

All: 839.866+/-0.210 χ^2/NDF: 26524220.8/43



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 3096.548+/-1049.976 χ^2/NDF:3.2/4

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2452.895+/-980.121 χ^2/NDF:7.9/3

Left: 2752.600+/-716.474 χ^2/NDF: 11.4/8

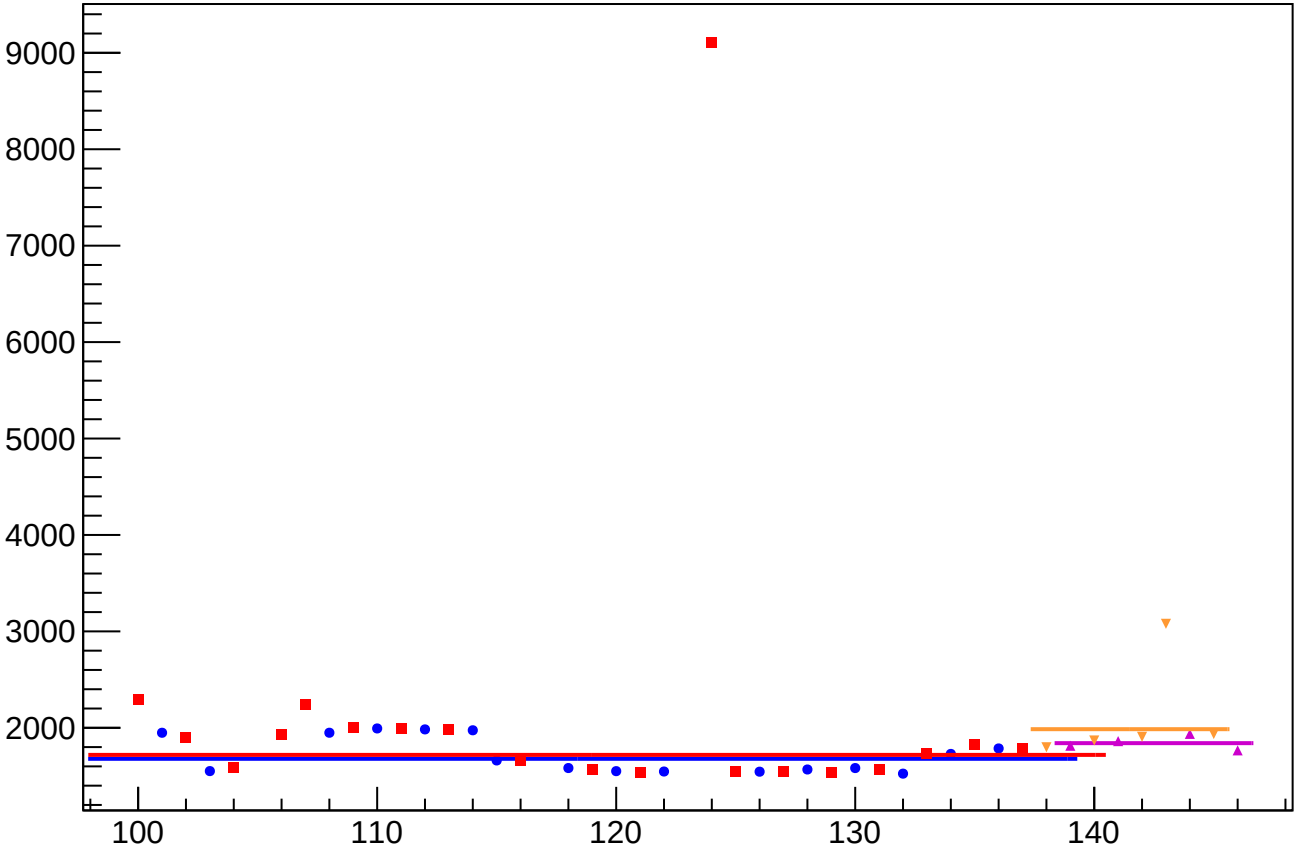
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2085.601+/-528.694 χ^2/NDF:19.0/19

Out: 2004.184+/-547.858 χ^2/NDF:24.1/23

All: 2046.341+/-380.438 χ^2/NDF: 43.1/43

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1985.779+/-0.742 χ^2/NDF:231916.8/4

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

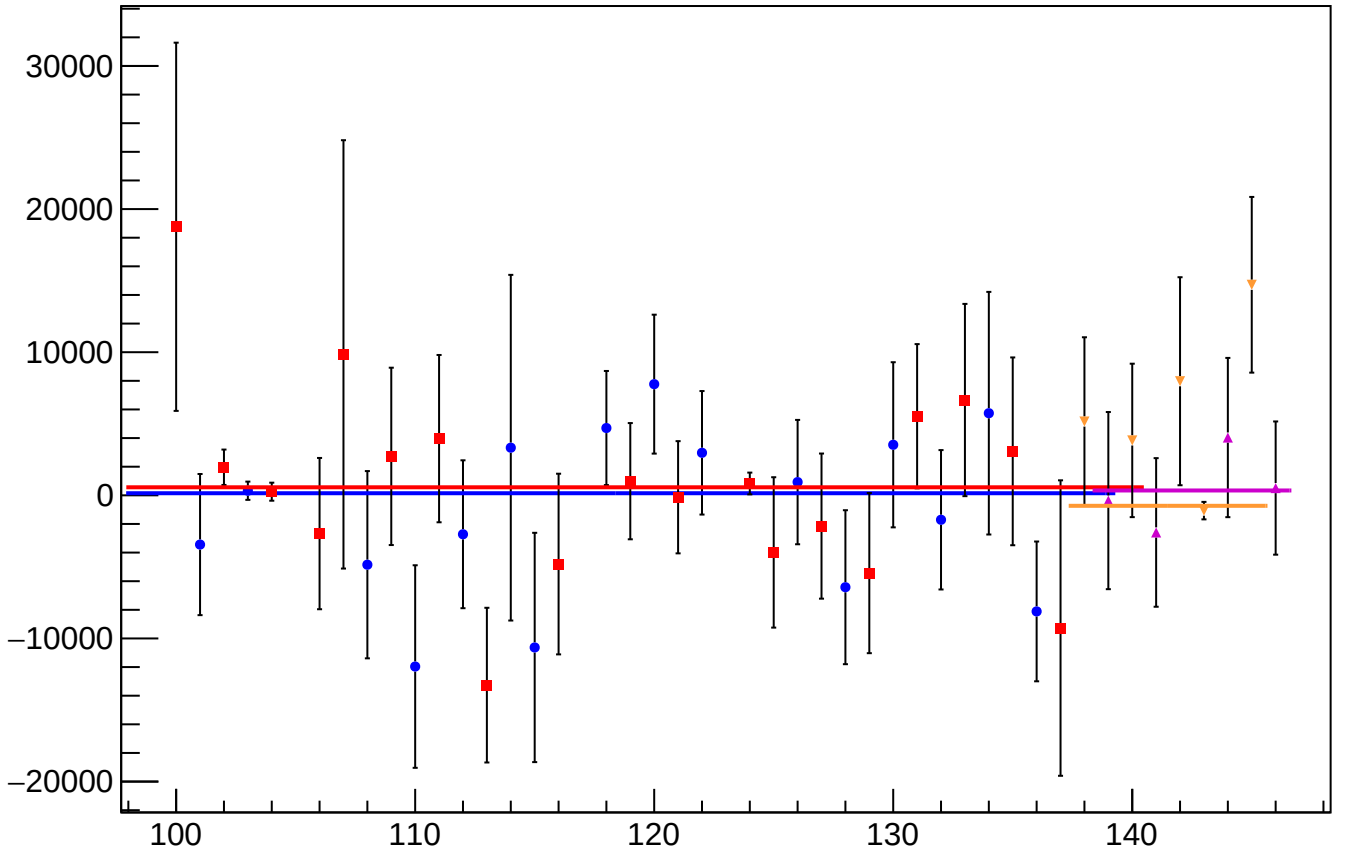
Left: 1908.371+/-0.507 χ^2/NDF: 260529.5/8

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1725.790+/-0.374 χ^2/NDF:188674.7/19

Out: 1791.290+/-0.386 χ^2/NDF:710915.0/23

All: 1757.476+/-0.269 χ^2/NDF: 914439.9/43



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -732.586+/-598.325 χ^2/NDF:9.8/4

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 339.057+/-2656.742 χ^2/NDF:0.8/3

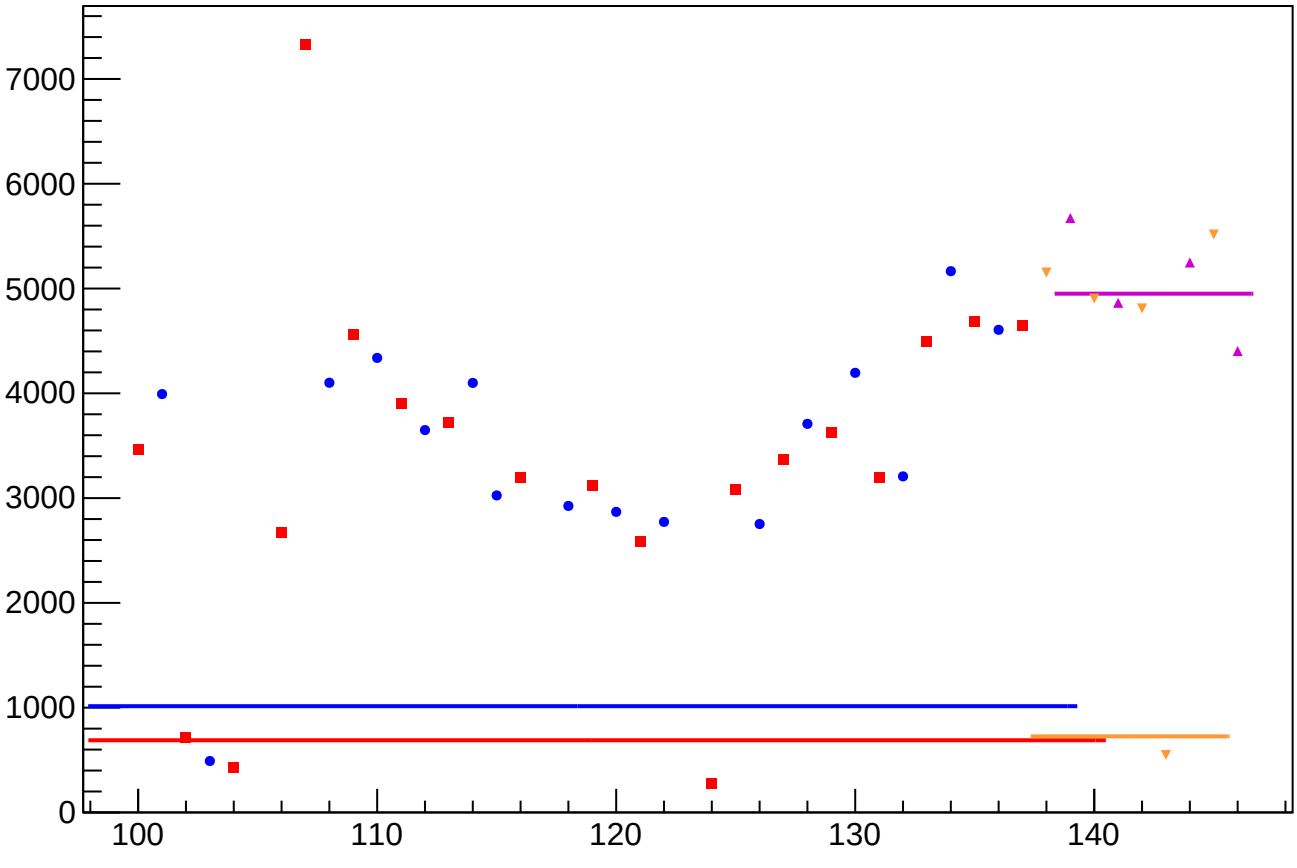
Left: -680.856+/-583.705 χ^2/NDF: 10.7/8

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 155.287+/-566.053 χ^2/NDF:16.6/19

Out: 119.887+/-349.512 χ^2/NDF:30.1/23

All: 129.658+/-297.390 χ^2/NDF: 46.7/43



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 726.050+/-0.423 χ^2/NDF:4364384.9/4

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4950.954+/-1.879 χ^2/NDF:61182.4/3

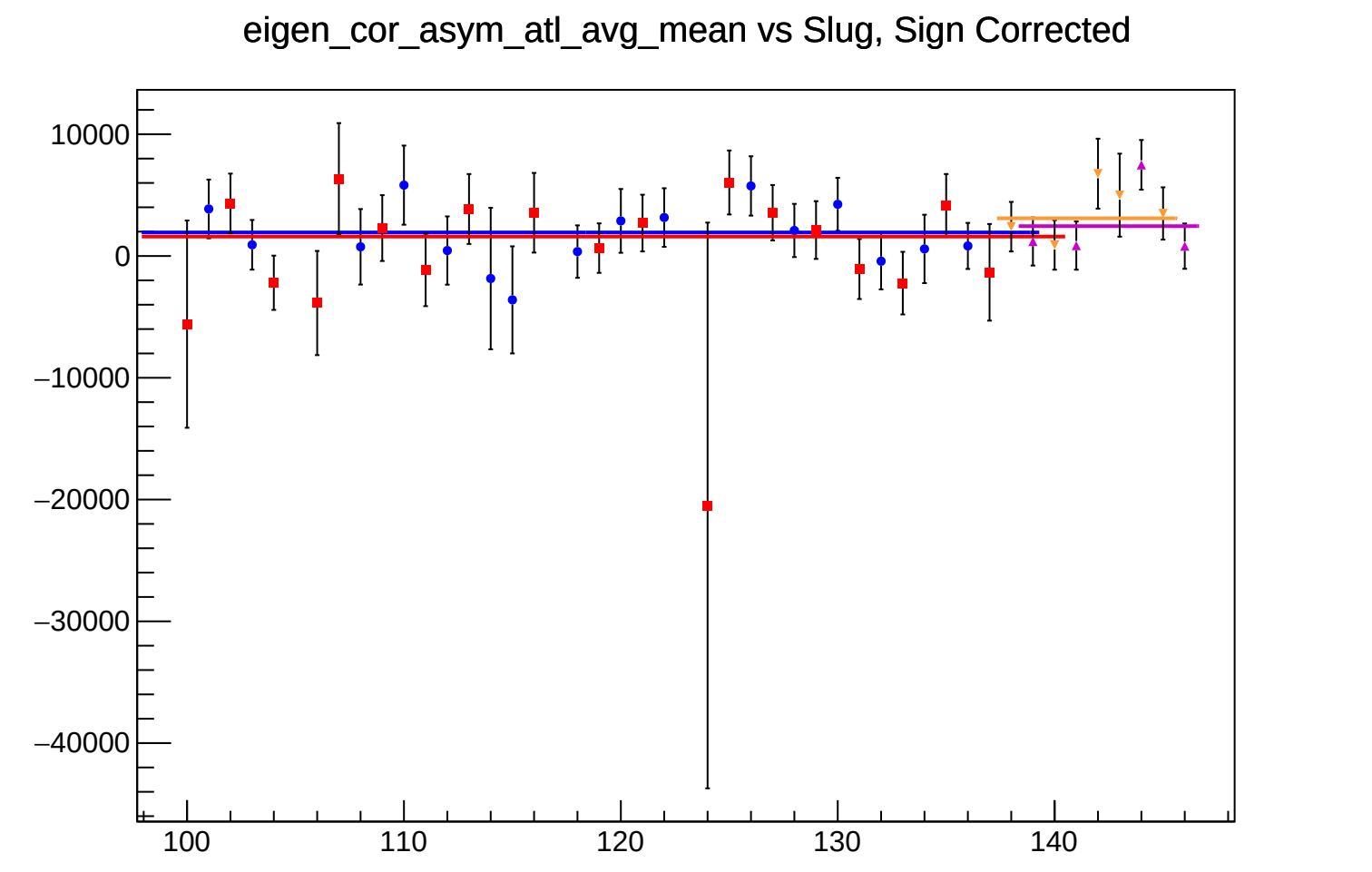
Left: 929.991+/-0.413 χ^2/NDF: 9239256.3/8

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1192.811+/-0.400 χ^2/NDF:12476518.4/19

Out: 701.678+/-0.247 χ^2/NDF:13279786.4/23

All: 837.240+/-0.210 χ^2/NDF: 26846342.0/43



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 3096.548+/-1049.976 χ^2/NDF:3.2/4

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2452.895+/-980.121 χ^2/NDF:7.9/3

Left: 2752.600+/-716.474 χ^2/NDF: 11.4/8

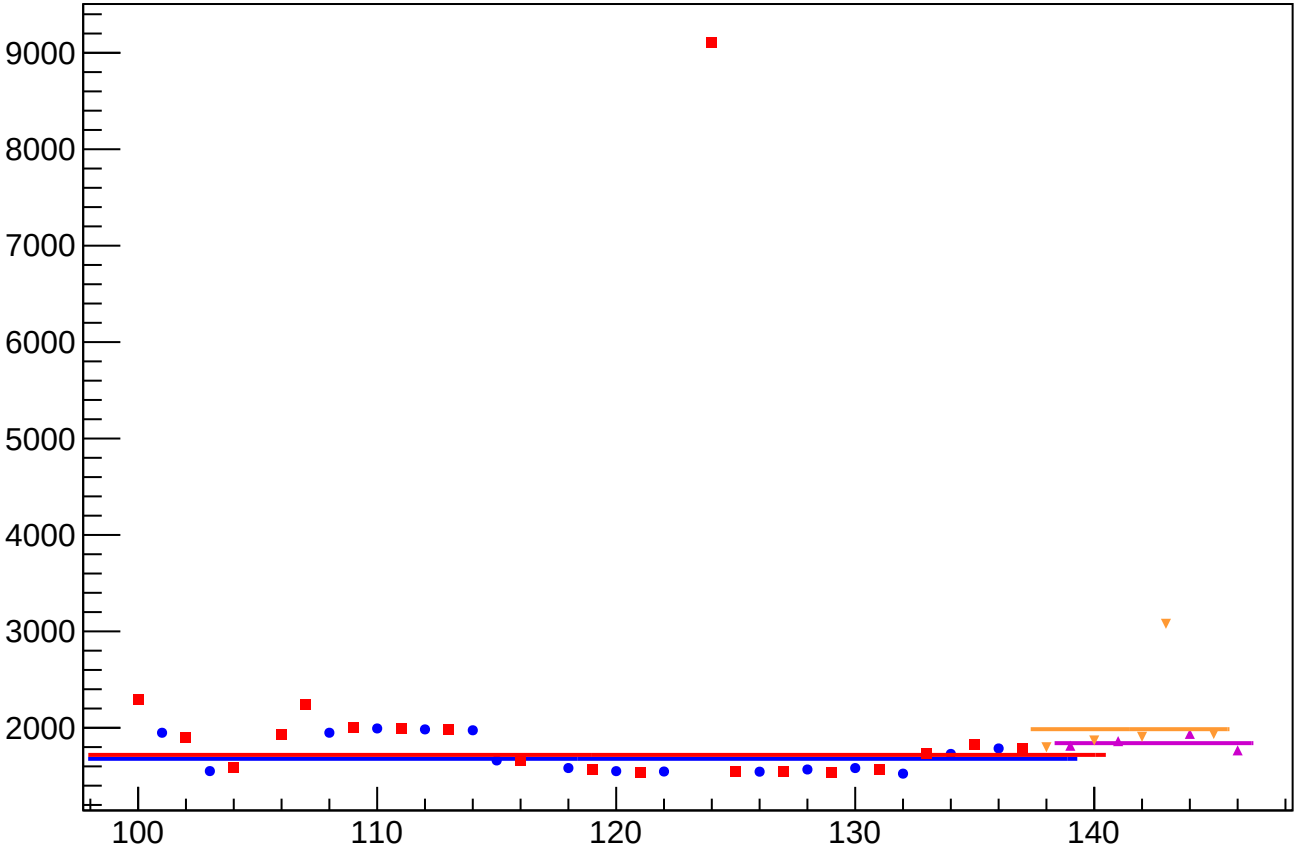
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2085.601+/-528.694 χ^2/NDF:19.0/19

Out: 2004.184+/-547.858 χ^2/NDF:24.1/23

All: 2046.341+/-380.438 χ^2/NDF: 43.1/43

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1985.779+/-0.742 χ^2/NDF:231916.8/4

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

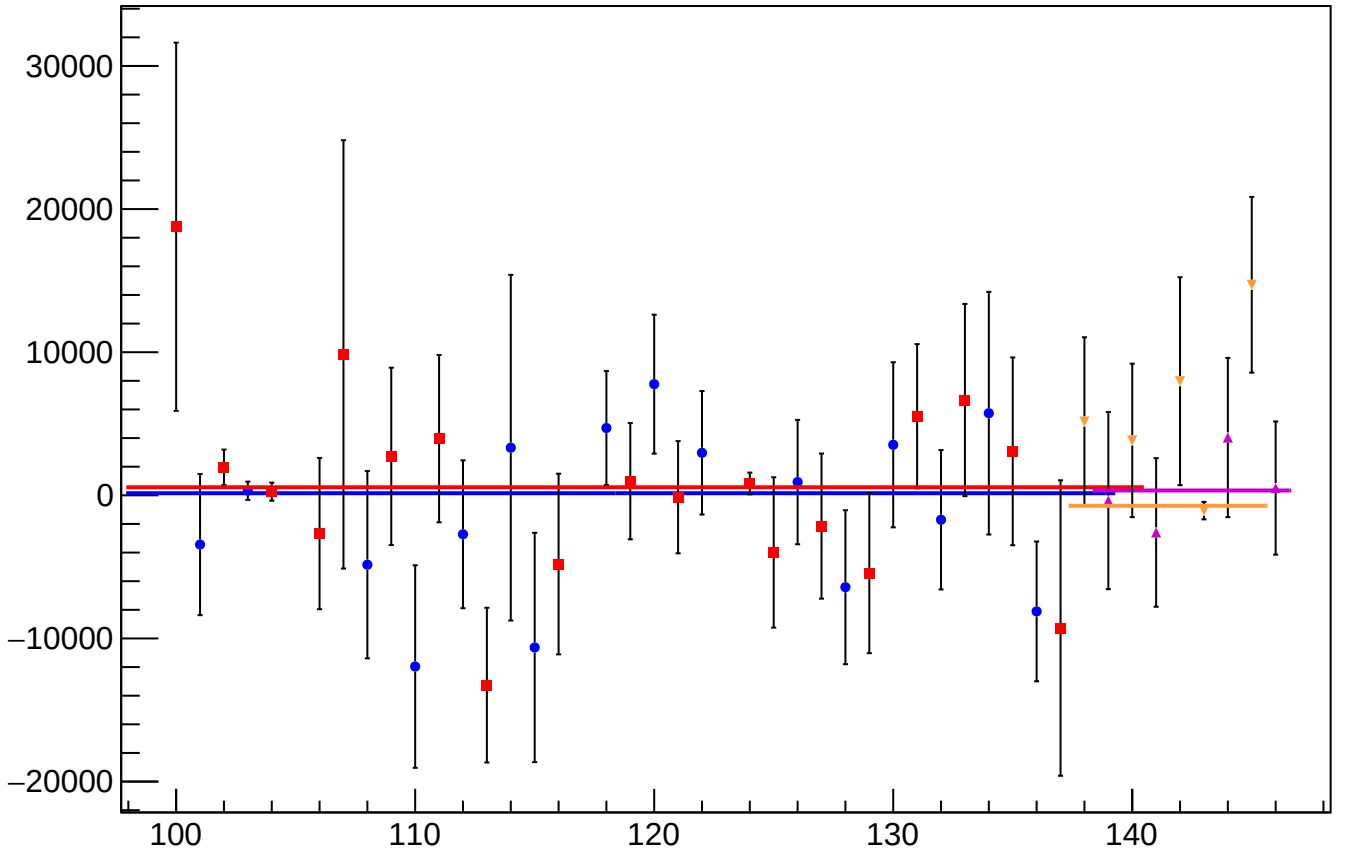
Left: 1908.371+/-0.507 χ^2/NDF: 260529.5/8

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1725.790+/-0.374 χ^2/NDF:188674.7/19

Out: 1791.290+/-0.386 χ^2/NDF:710915.0/23

All: 1757.476+/-0.269 χ^2/NDF: 914439.9/43



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -732.586+/-598.325 χ^2/NDF:9.8/4

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 339.057+/-2656.742 χ^2/NDF:0.8/3

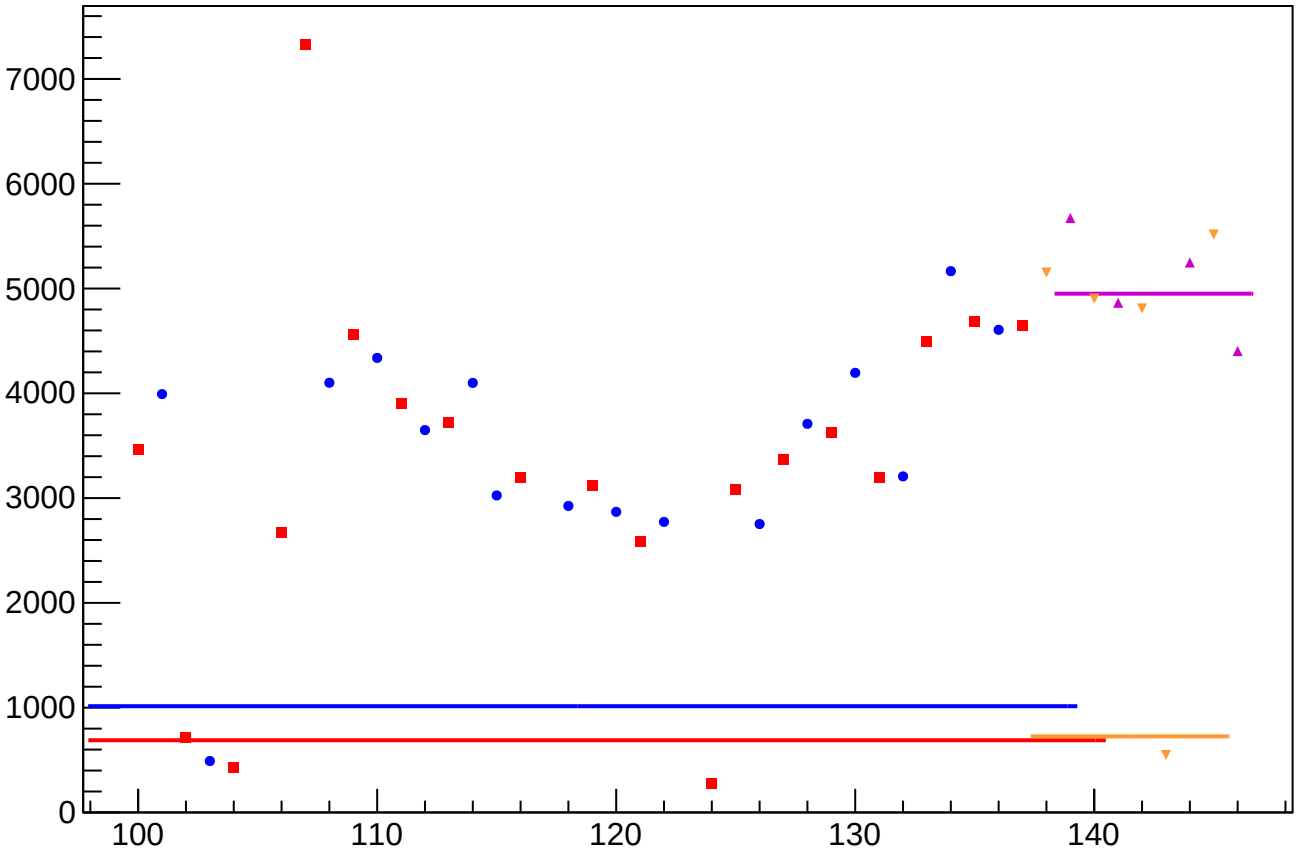
Left: -680.856+/-583.705 χ^2/NDF: 10.7/8

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 155.287+/-566.053 χ^2/NDF:16.6/19

Out: 119.887+/-349.512 χ^2/NDF:30.1/23

All: 129.658+/-297.390 χ^2/NDF: 46.7/43



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 726.050+/-0.423 χ^2/NDF:4364384.9/4

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4950.954+/-1.879 χ^2/NDF:61182.4/3

Left: 929.991+/-0.413 χ^2/NDF: 9239256.3/8

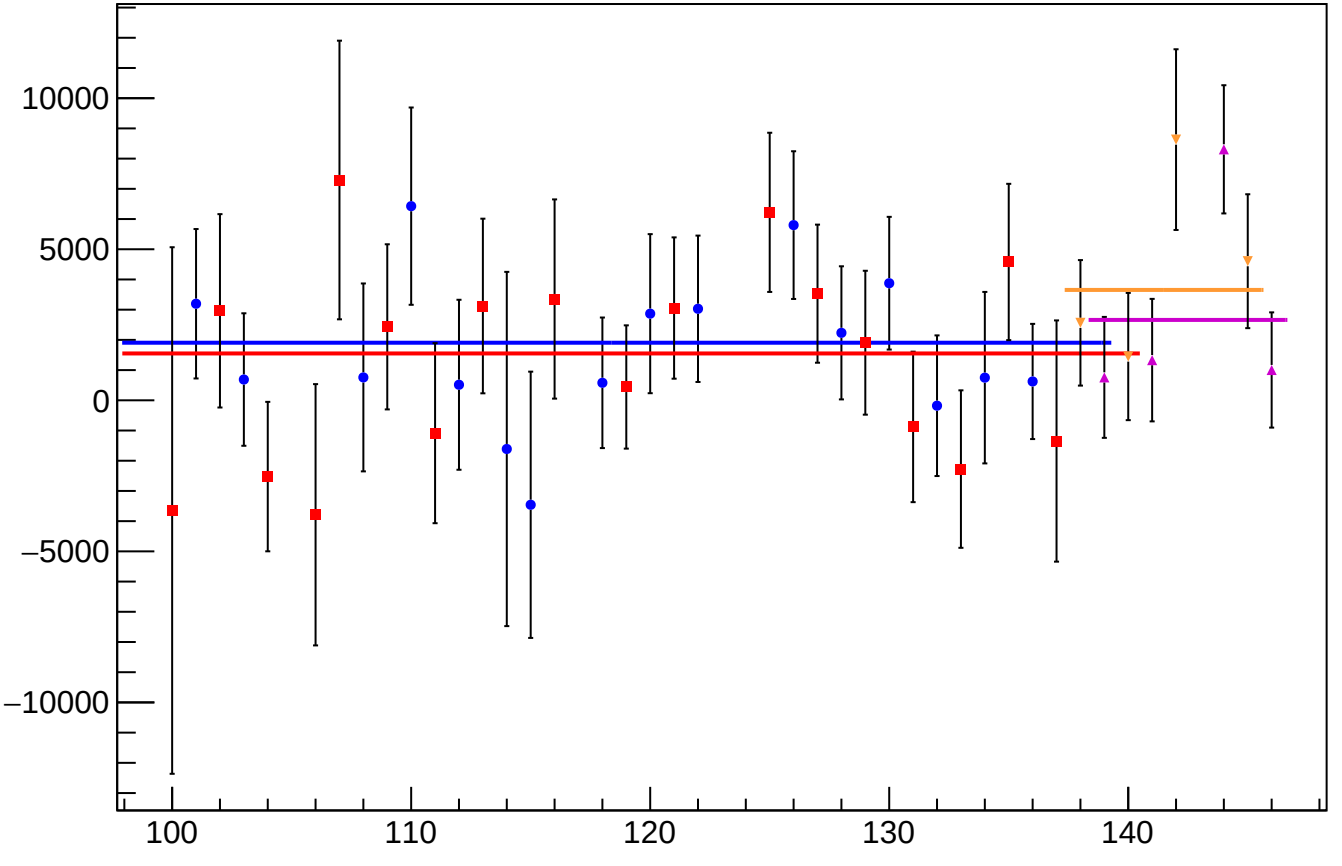
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1192.811+/-0.400 χ^2/NDF:12476518.4/19

Out: 701.678+/-0.247 χ^2/NDF:13279786.4/23

All: 837.240+/-0.210 χ^2/NDF: 26846342.0/43

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 3653.722+/-1137.596 χ^2/NDF:4.3/3

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2660.906+/-1005.087 χ^2/NDF:9.2/3

Left: 3096.150+/-753.216 χ^2/NDF: 13.9/7

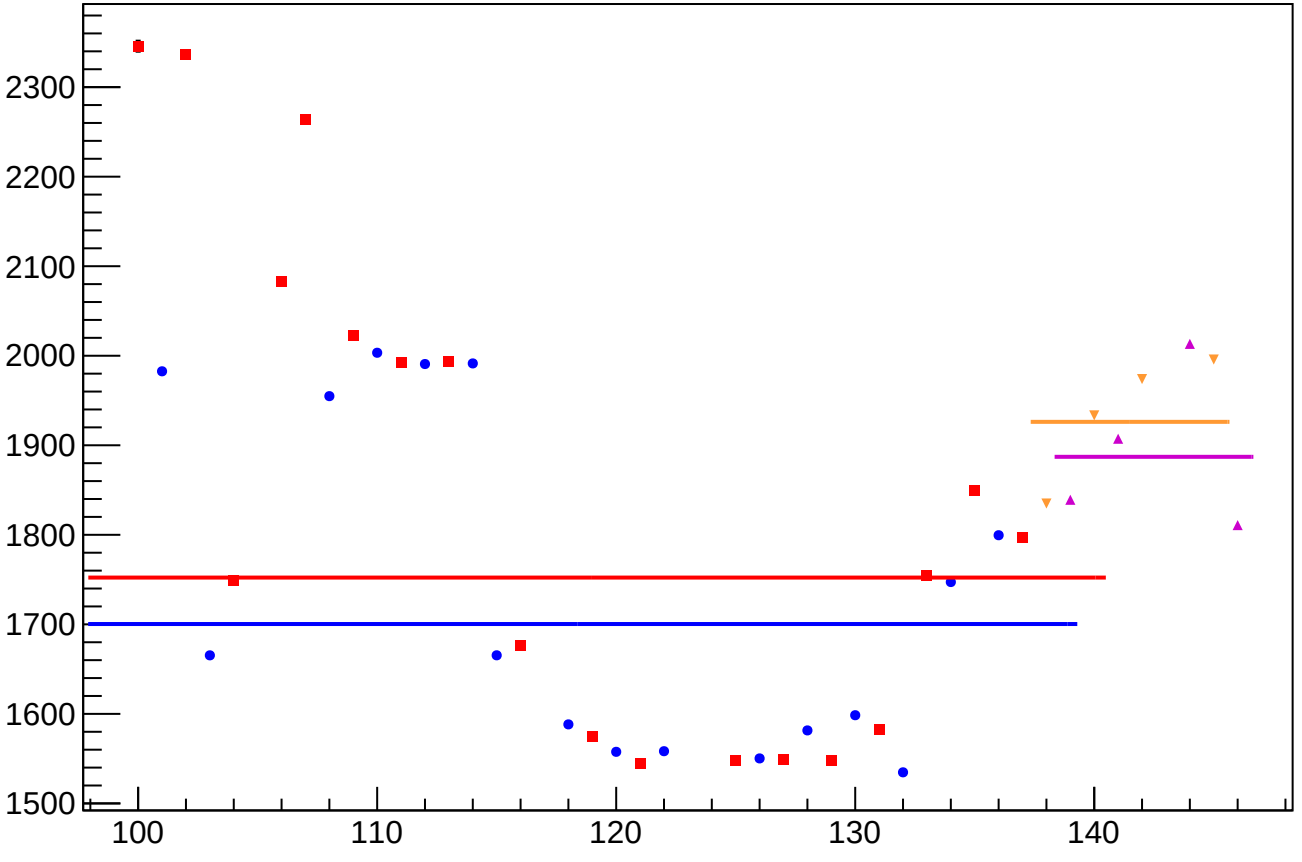
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2122.203+/-537.700 χ^2/NDF:19.8/19

Out: 2081.788+/-571.560 χ^2/NDF:24.3/21

All: 2103.228+/-391.635 χ^2/NDF: 44.1/41

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1926.174+/-0.804 χ^2/NDF:6364.3/3

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1887.116+/-0.711 χ^2/NDF:11615.8/3

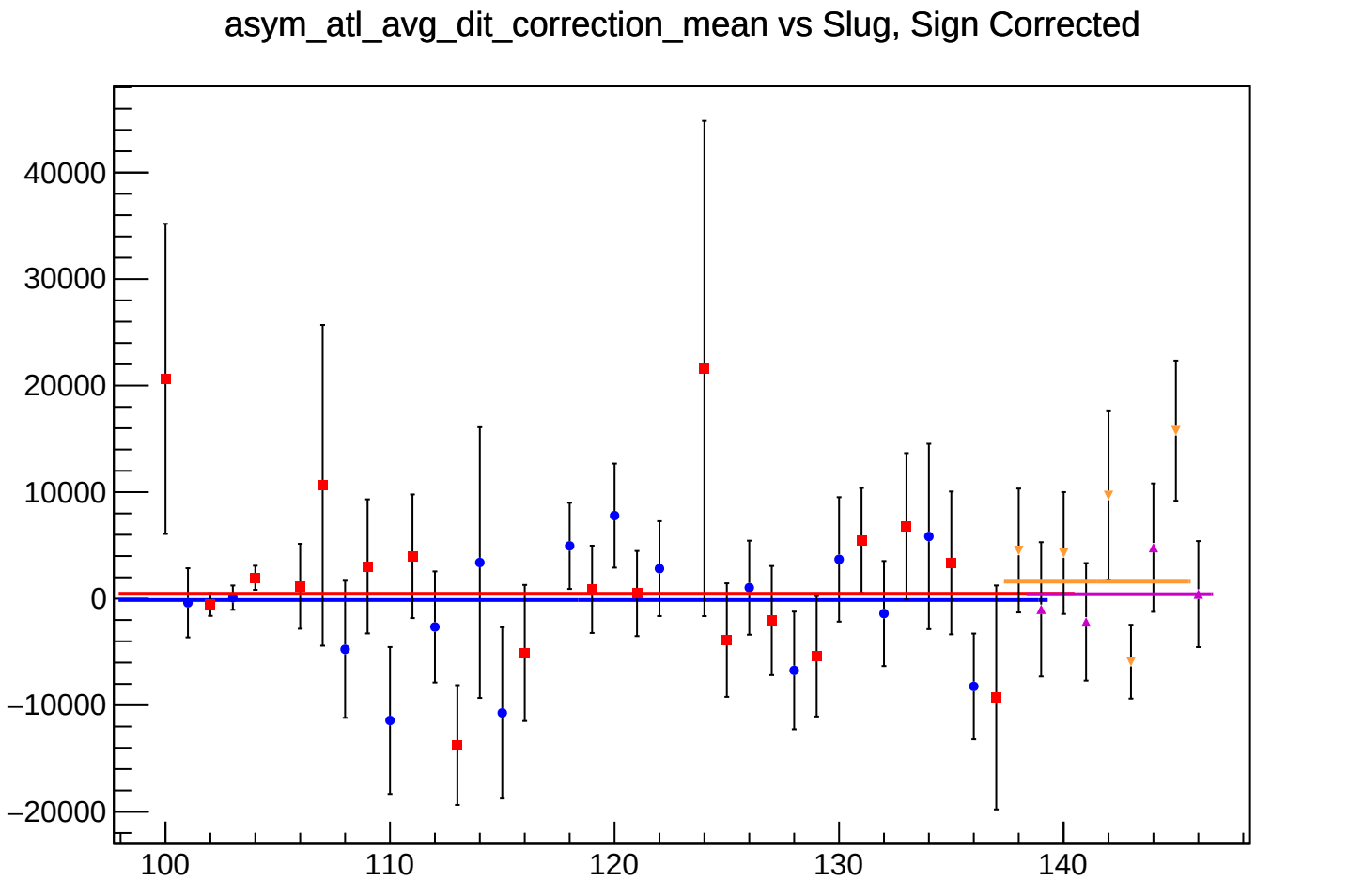
Left: 1904.238+/-0.533 χ^2/NDF: 19304.1/7

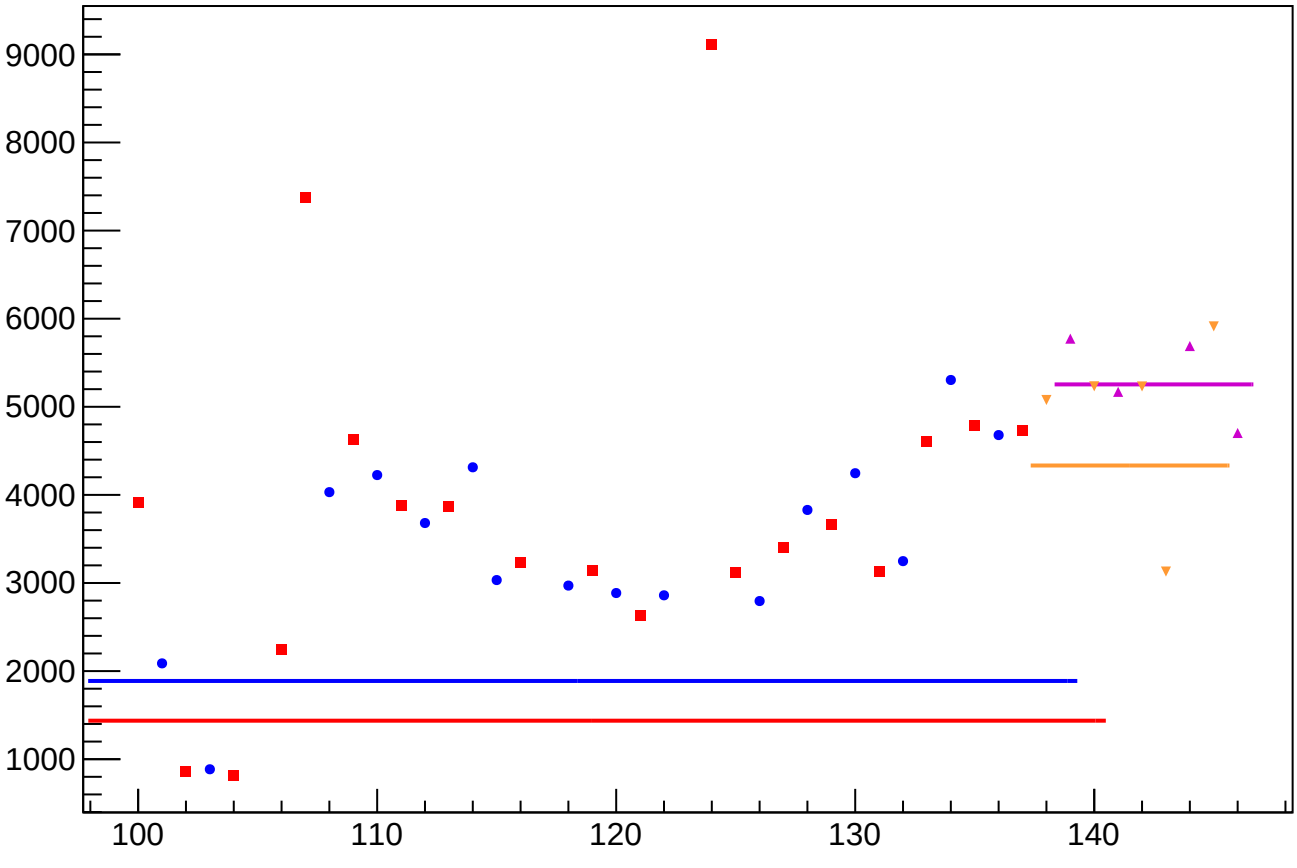
Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1753.808+/-0.380 χ^2/NDF:196325.1/19

Out: 1795.996+/-0.403 χ^2/NDF:289309.7/21

All: 1773.651+/-0.277 χ^2/NDF: 491425.9/41


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
Right In: -125.468+/-867.645 χ²/NDF: 15.1/15
Left Out: 1597.086+/-2340.191 χ²/NDF:10.9/4
Right Out: 459.431+/-679.157 χ²/NDF: 18.5/18
Left In: 416.409+/-2818.067 χ²/NDF:0.8/3
Left: 1115.198+/-1800.358 χ²/NDF: 11.8/8
Right: 237.213+/-534.800 χ²/NDF: 33.9/34
In: -78.549+/-829.232 χ²/NDF:15.9/19
Out: 547.806+/-652.245 χ²/NDF:29.6/23
All: 308.404+/-512.660 χ²/NDF: 45.8/43



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4333.588+/-1.655 χ^2/NDF:464603.3/4

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5254.211+/-1.993 χ^2/NDF:49030.7/3

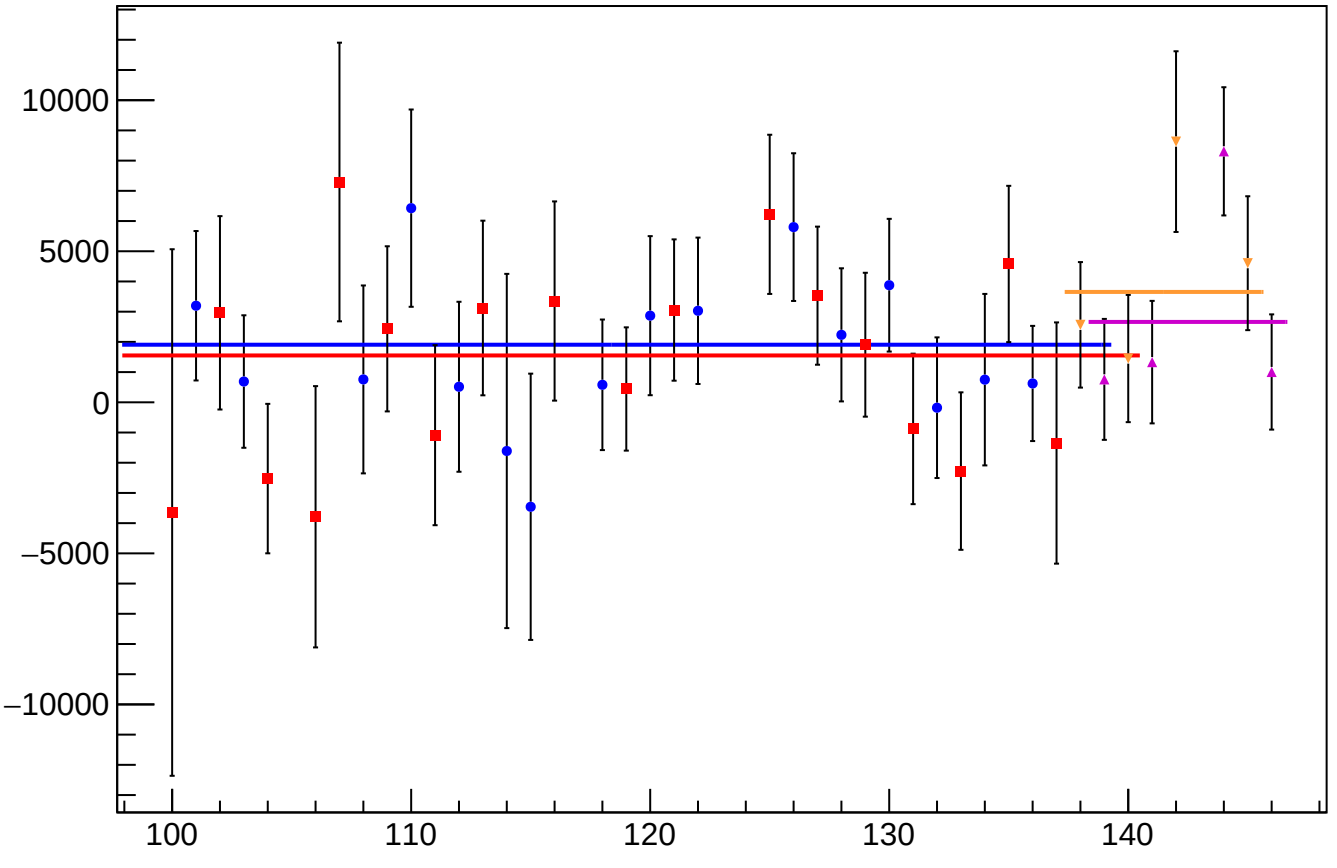
Left: 4709.336+/-1.273 χ^2/NDF: 639963.8/8

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2179.467+/-0.586 χ^2/NDF:7081343.5/19

Out: 1662.111+/-0.461 χ^2/NDF:9254649.0/23

All: 1859.852+/-0.363 χ^2/NDF: 16816935.4/4



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 3653.745+/-1137.597 χ^2/NDF:4.3/3

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2660.908+/-1005.087 χ^2/NDF:9.2/3

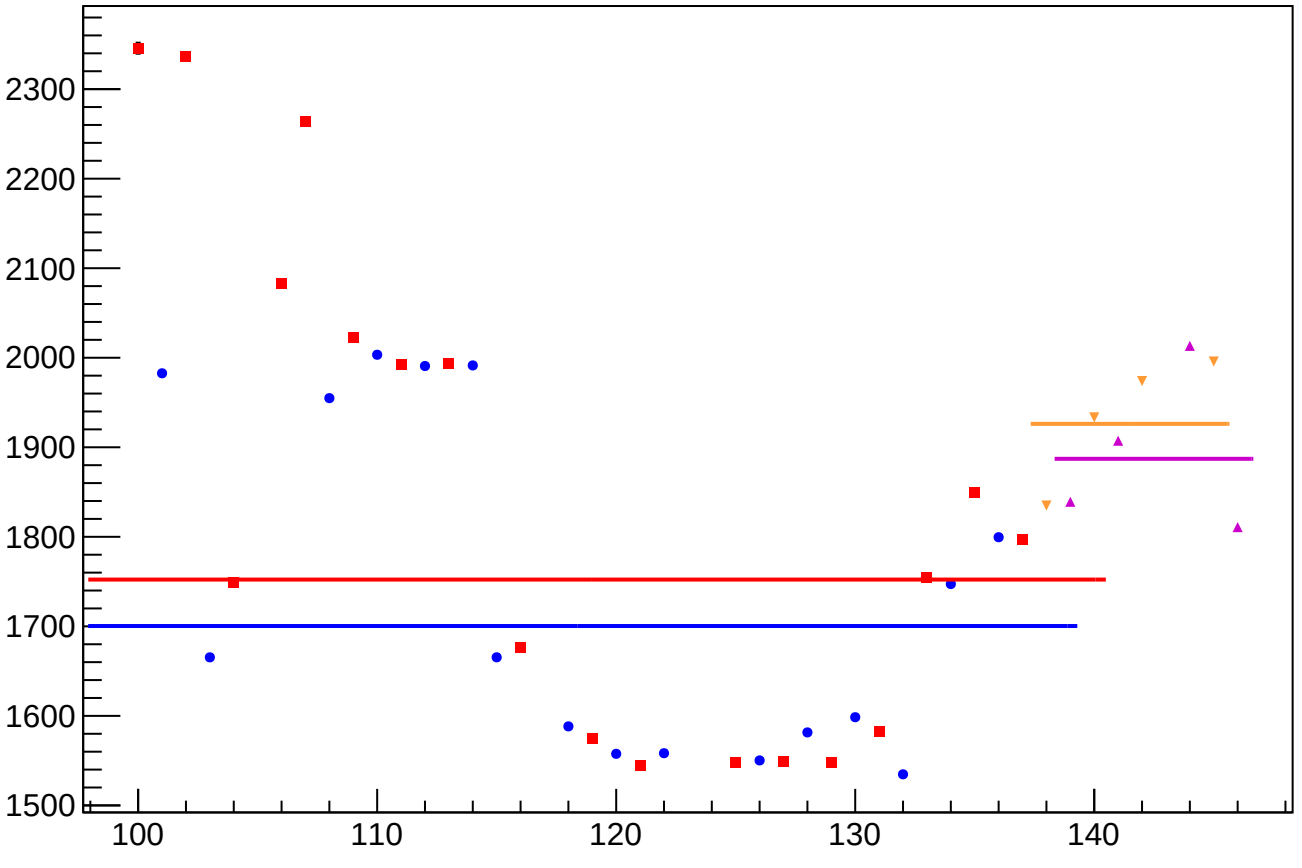
Left: 3096.161+/-753.217 χ^2/NDF: 13.9/7

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2122.202+/-537.701 χ^2/NDF:19.8/19

Out: 2081.791+/-571.560 χ^2/NDF:24.3/21

All: 2103.229+/-391.635 χ^2/NDF: 44.1/41



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1926.175+/-0.804 χ^2/NDF:6364.5/3

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1887.117+/-0.711 χ^2/NDF:11615.9/3

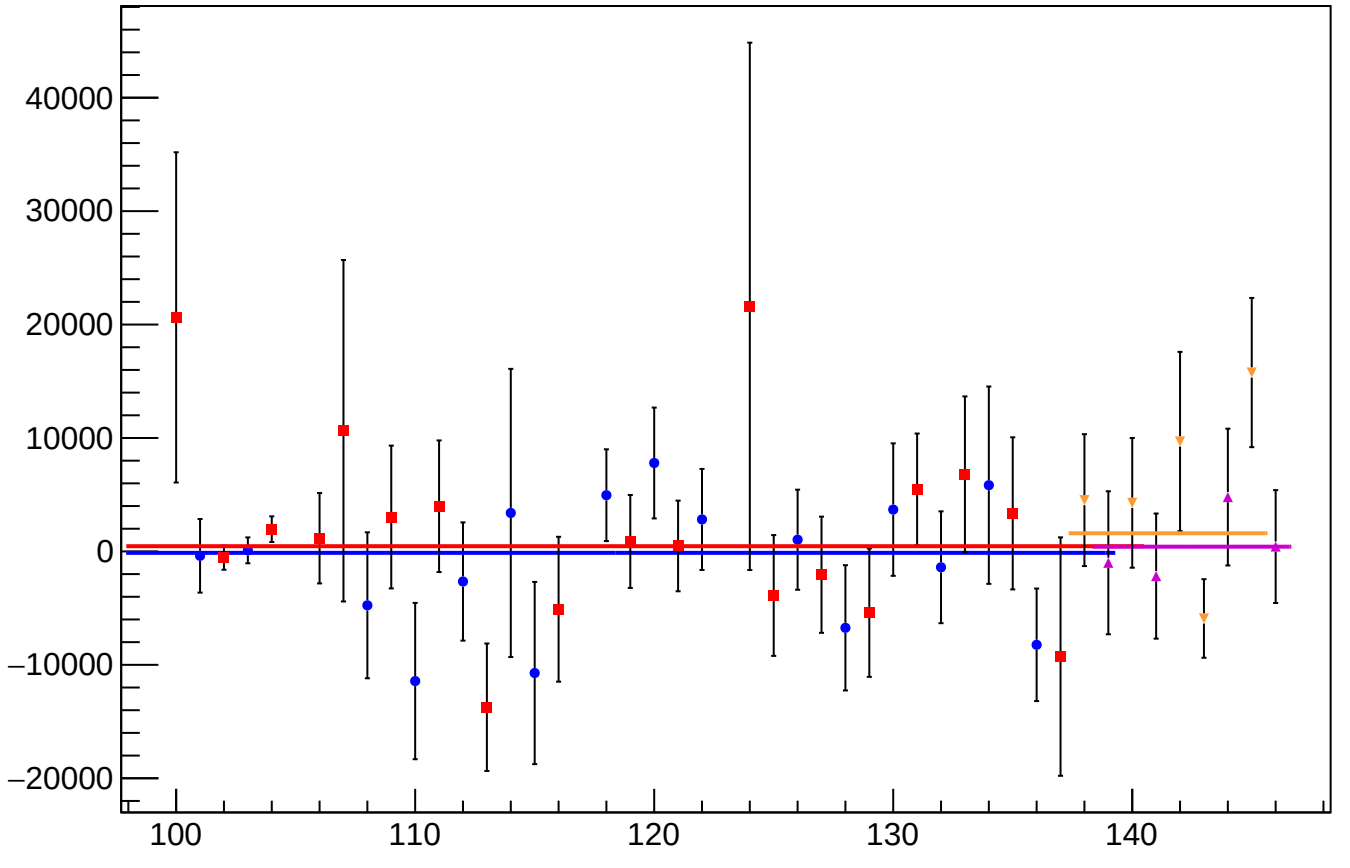
Left: 1904.240+/-0.533 χ^2/NDF: 19304.5/7

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1753.808+/-0.380 χ^2/NDF:196326.3/19

Out: 1795.996+/-0.403 χ^2/NDF:289310.3/21

All: 1773.651+/-0.277 χ^2/NDF: 491427.6/41



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: 1597.083+/-2340.194 χ^2/NDF:10.9/4

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 416.409+/-2818.072 χ^2/NDF:0.8/3

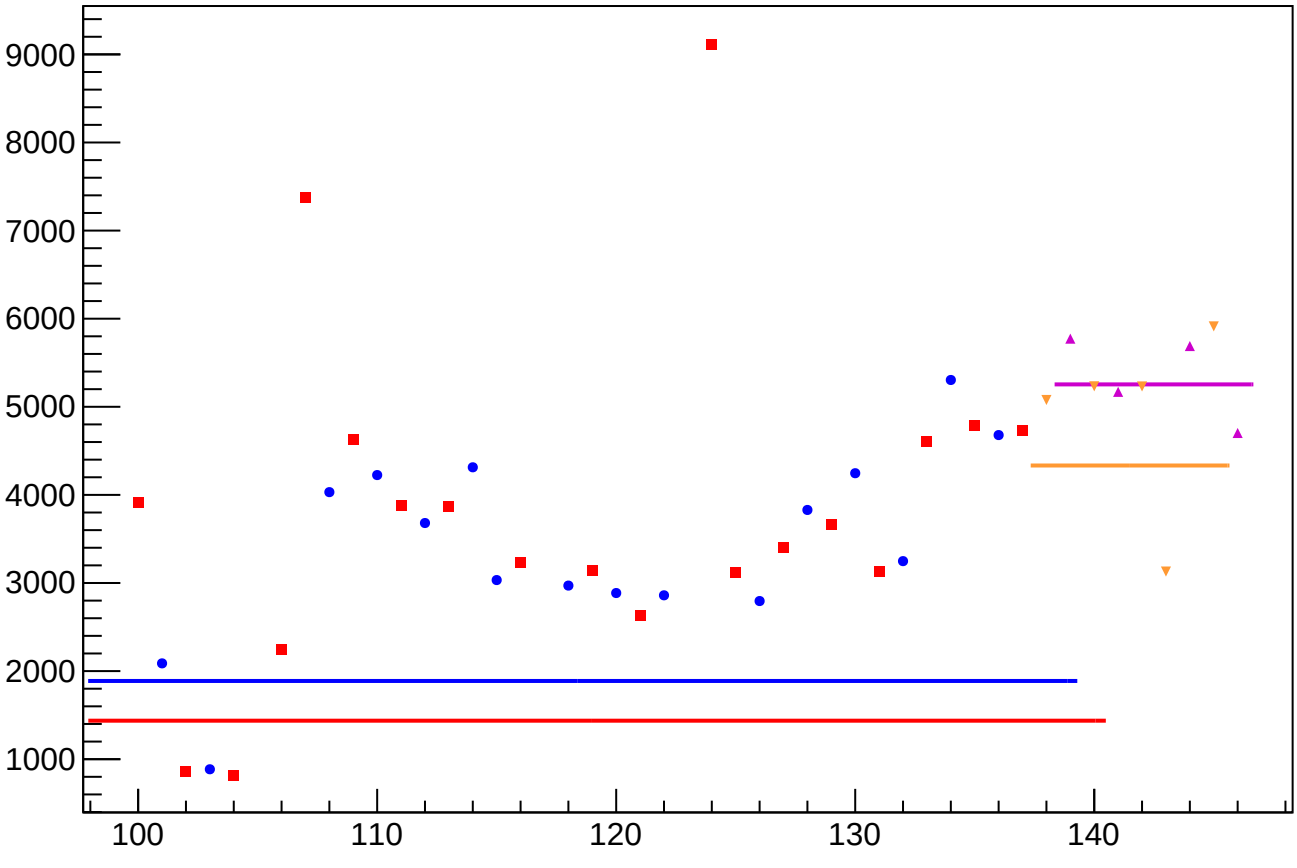
Left: 1115.196+/-1800.361 χ^2/NDF: 11.8/8

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -78.546+/-829.227 χ^2/NDF:15.9/19

Out: 547.803+/-652.240 χ^2/NDF:29.6/23

All: 308.404+/-512.657 χ^2/NDF: 45.8/43



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4333.593+/-1.655 χ^2/NDF:464607.8/4

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5254.221+/-1.993 χ^2/NDF:49031.6/3

Left: 4709.343+/-1.273 χ^2/NDF: 639970.2/8

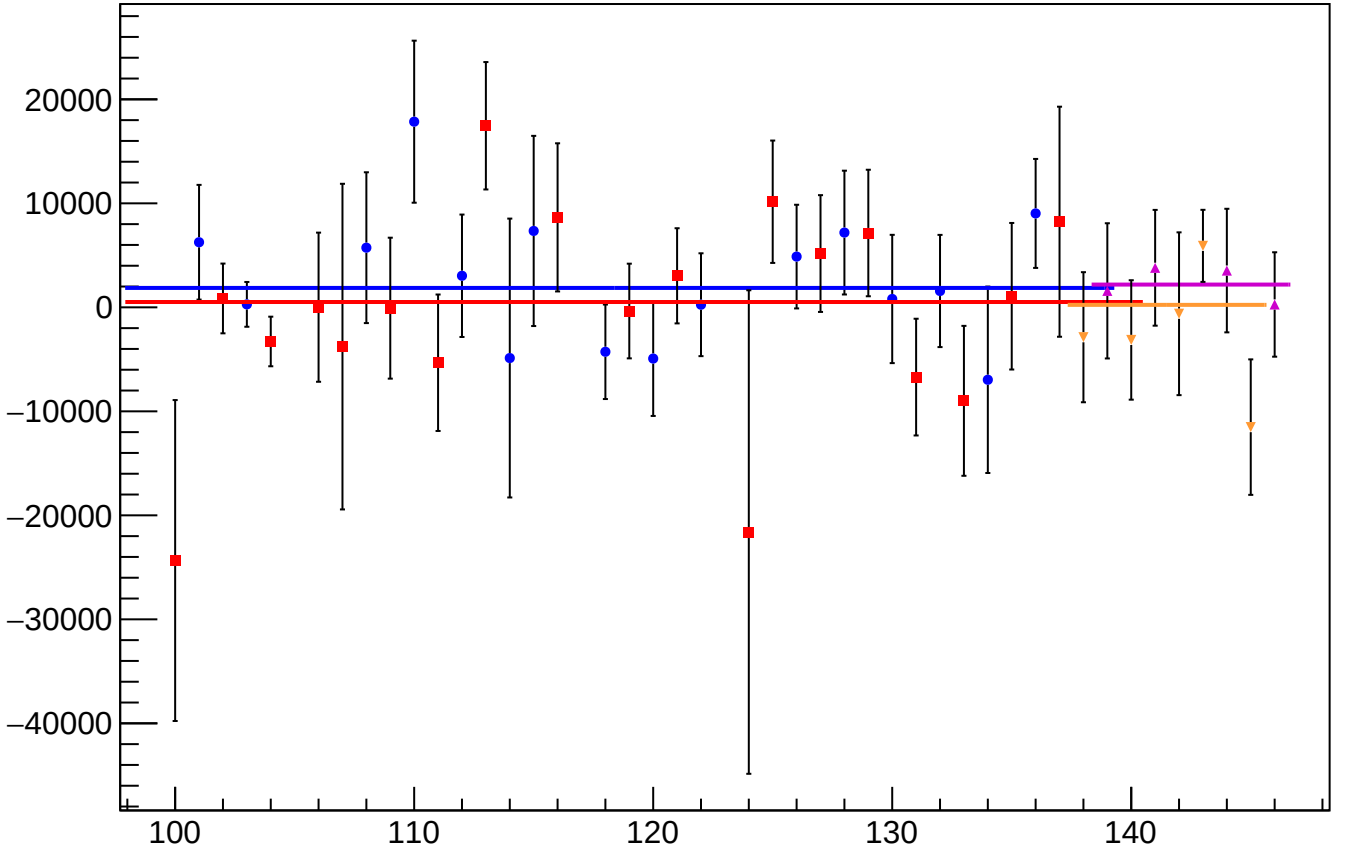
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2179.448+/-0.586 χ^2/NDF:7081415.8/19

Out: 1662.096+/-0.461 χ^2/NDF:9254719.7/23

All: 1859.835+/-0.363 χ^2/NDF: 16817079.0/4

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 237.577+/-2362.818 χ^2/NDF:6.5/4

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 2188.764+/-2840.302 χ^2/NDF:0.3/3

Left: 1035.608+/-1816.456 χ^2/NDF: 7.1/8

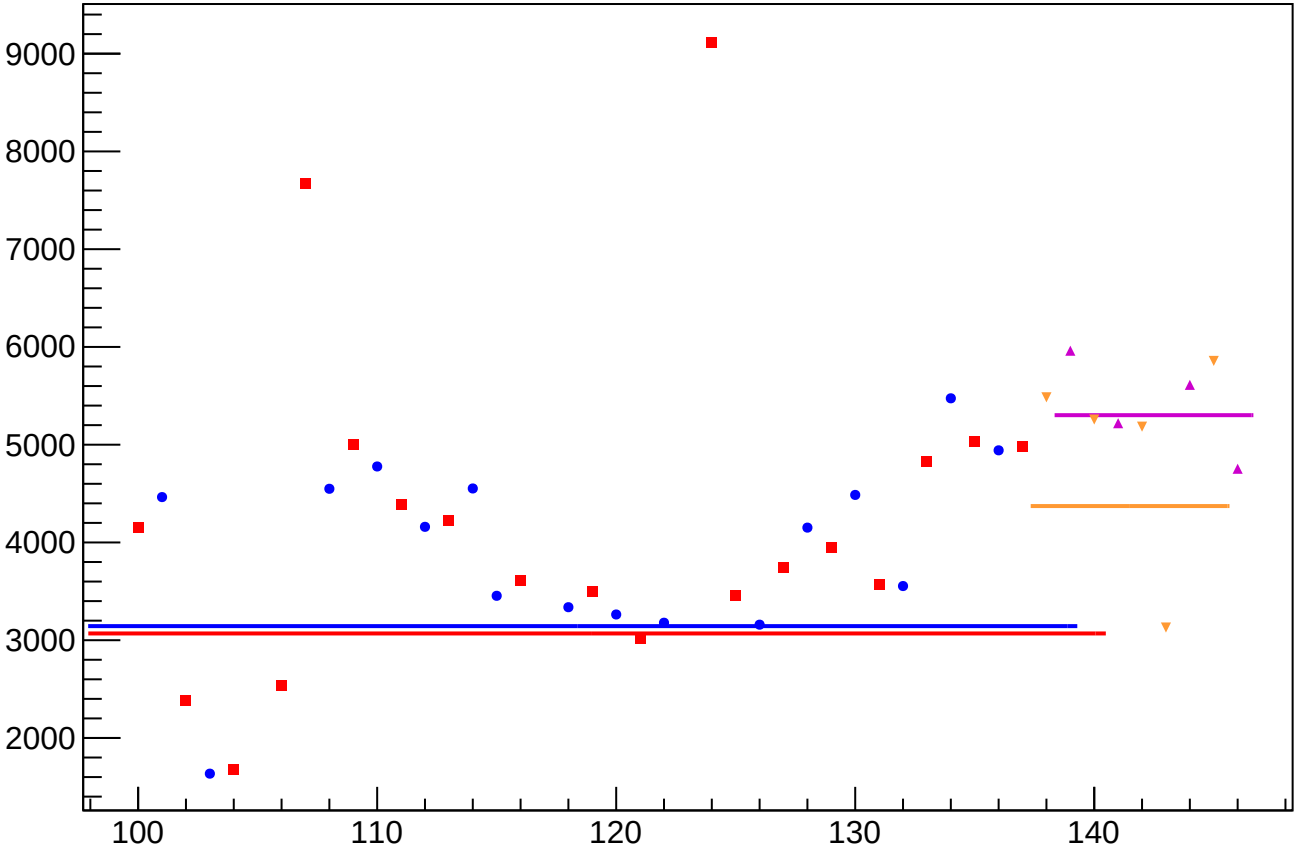
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1919.533+/-1151.136 χ^2/NDF:14.1/19

Out: 453.042+/-1099.035 χ^2/NDF:31.2/23

All: 1152.350+/-794.916 χ^2/NDF: 46.2/43

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4372.288+/-1.671 χ^2/NDF:493567.8/4

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5302.030+/-2.008 χ^2/NDF:50311.8/3

Left: 4752.551+/-1.284 χ^2/NDF: 670532.4/8

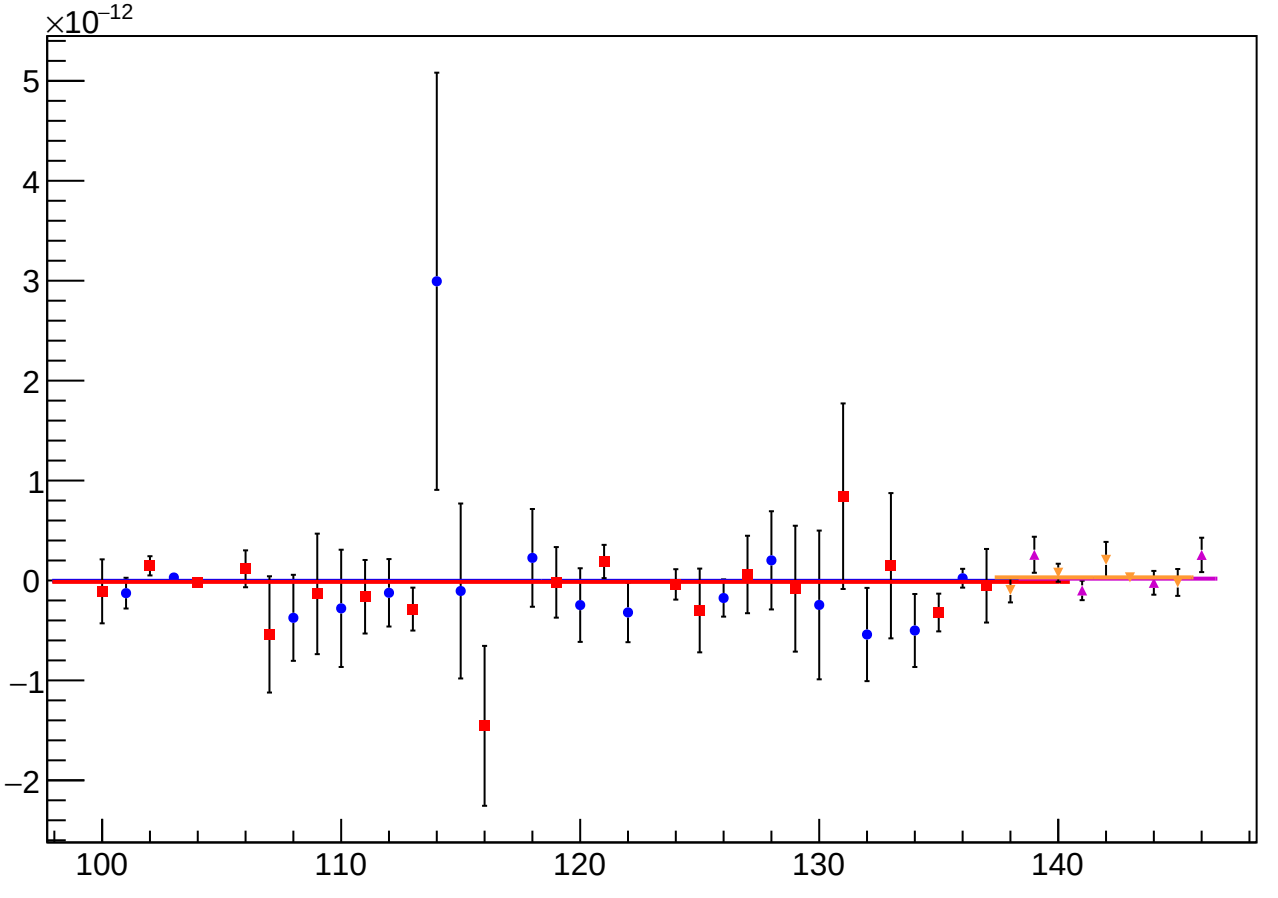
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3498.584+/-0.814 χ^2/NDF:2898244.2/19

Out: 3344.169+/-0.768 χ^2/NDF:2855189.6/23

All: 3416.853+/-0.558 χ^2/NDF: 5772482.1/43

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:2.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/3

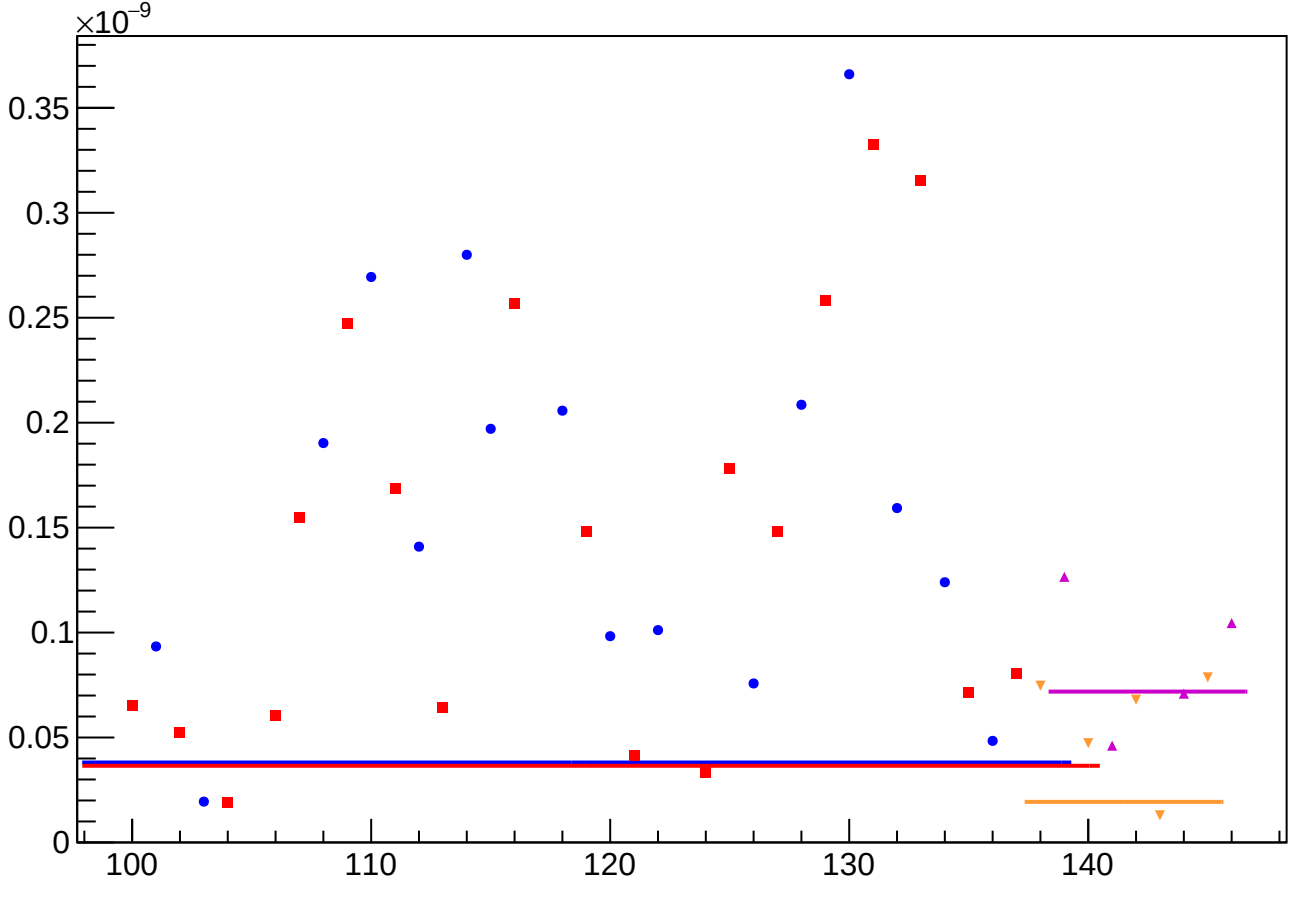
Left: 0.000+/-0.000 χ^2/NDF: 7.7/8

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: 0.000+/-0.000 χ^2/NDF:16.0/19

Out: 0.000+/-0.000 χ^2/NDF:18.6/23

All: 0.000+/-0.000 χ^2/NDF: 34.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1275403.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:396453.8/3

Left: 0.000+/-0.000 χ^2/NDF: 2864692.5/8

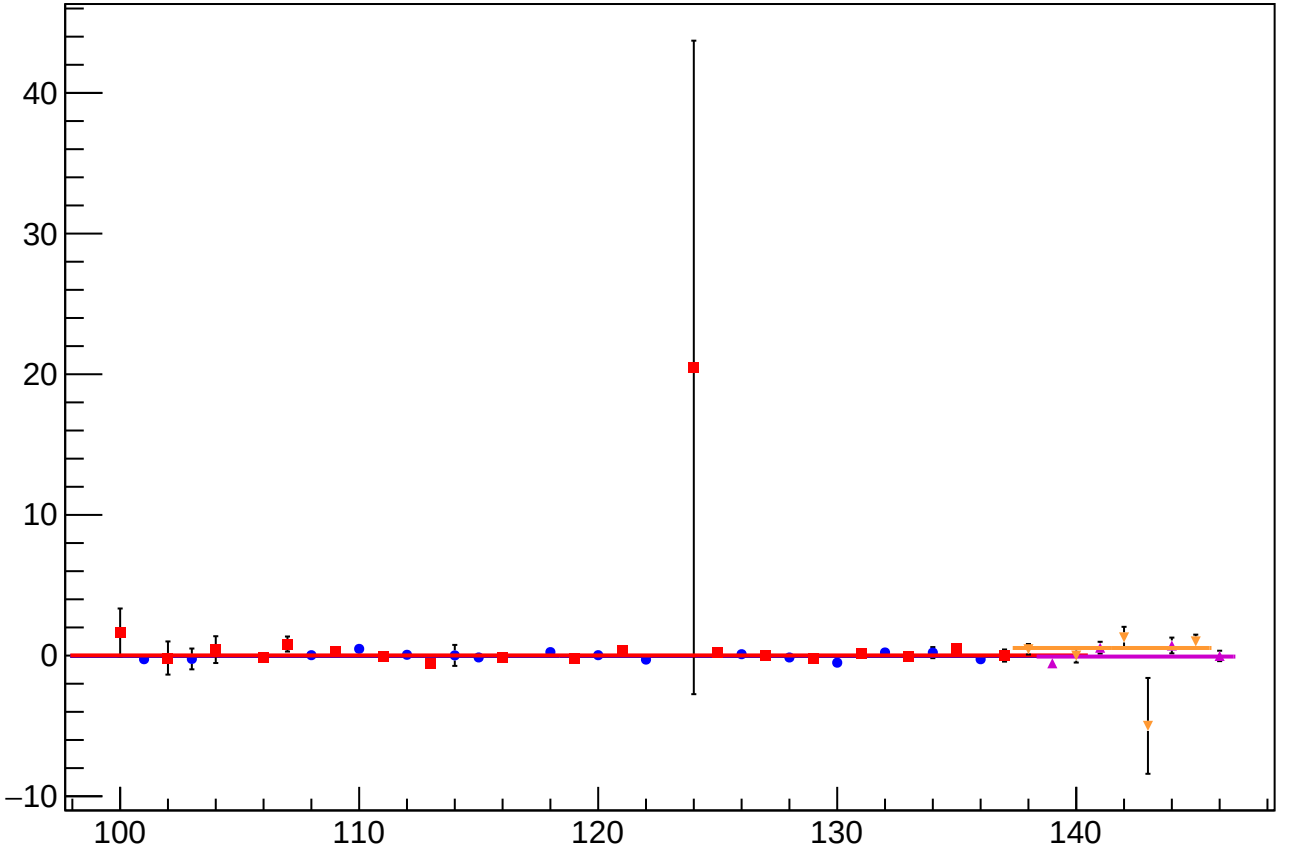
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:3715146.2/19

Out: 0.000+/-0.000 χ^2/NDF:4344779.3/23

All: 0.000+/-0.000 χ^2/NDF: 8761273.8/43

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: 0.540+/-0.240 χ^2/NDF:5.8/4

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.071+/-0.184 χ^2/NDF:7.3/3

Left: 0.155+/-0.146 χ^2/NDF: 17.2/8

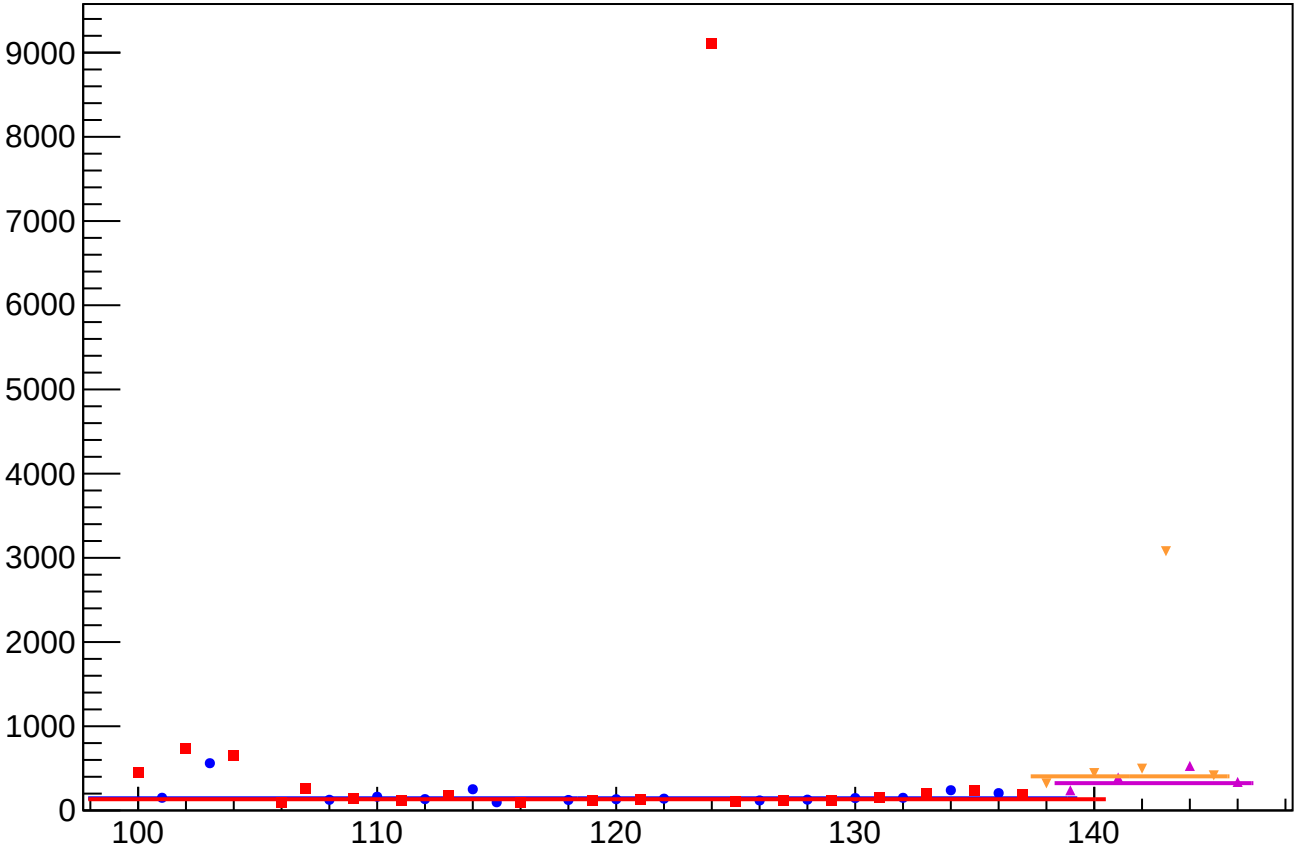
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.032+/-0.055 χ^2/NDF:24.6/19

Out: 0.038+/-0.055 χ^2/NDF:32.2/23

All: 0.003+/-0.039 χ^2/NDF: 57.6/43

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 405.124+/-0.170 χ^2/NDF:1373181.7/4

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.290+/-0.130 χ^2/NDF:511352.1/3

Left: 354.169+/-0.103 χ^2/NDF: 2027274.0/8

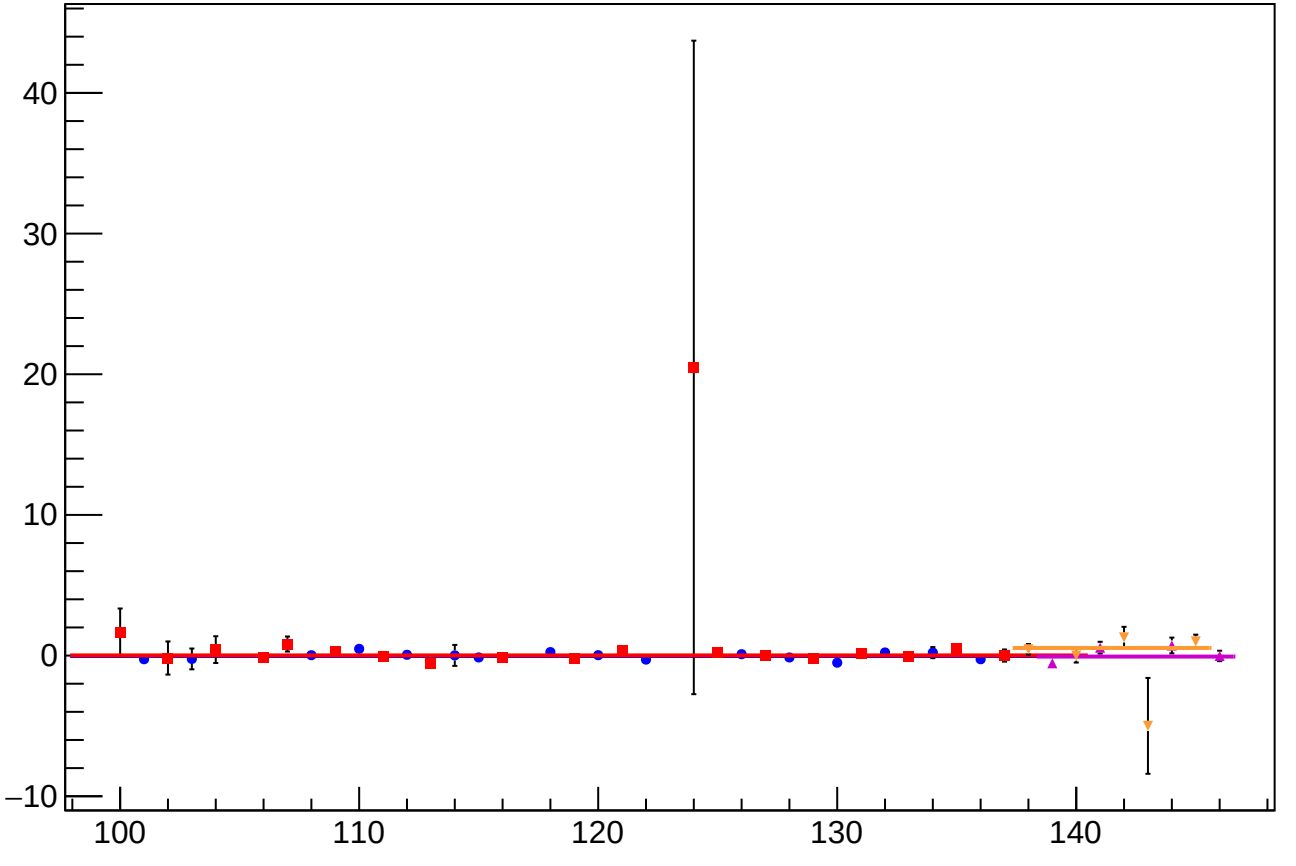
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 160.478+/-0.039 χ^2/NDF:3382723.2/19

Out: 147.509+/-0.039 χ^2/NDF:6021013.0/23

All: 153.975+/-0.028 χ^2/NDF: 9459155.3/43

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: 0.540+/-0.240 χ^2/NDF:5.8/4

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.071+/-0.184 χ^2/NDF:7.3/3

Left: 0.155+/-0.146 χ^2/NDF: 17.2/8

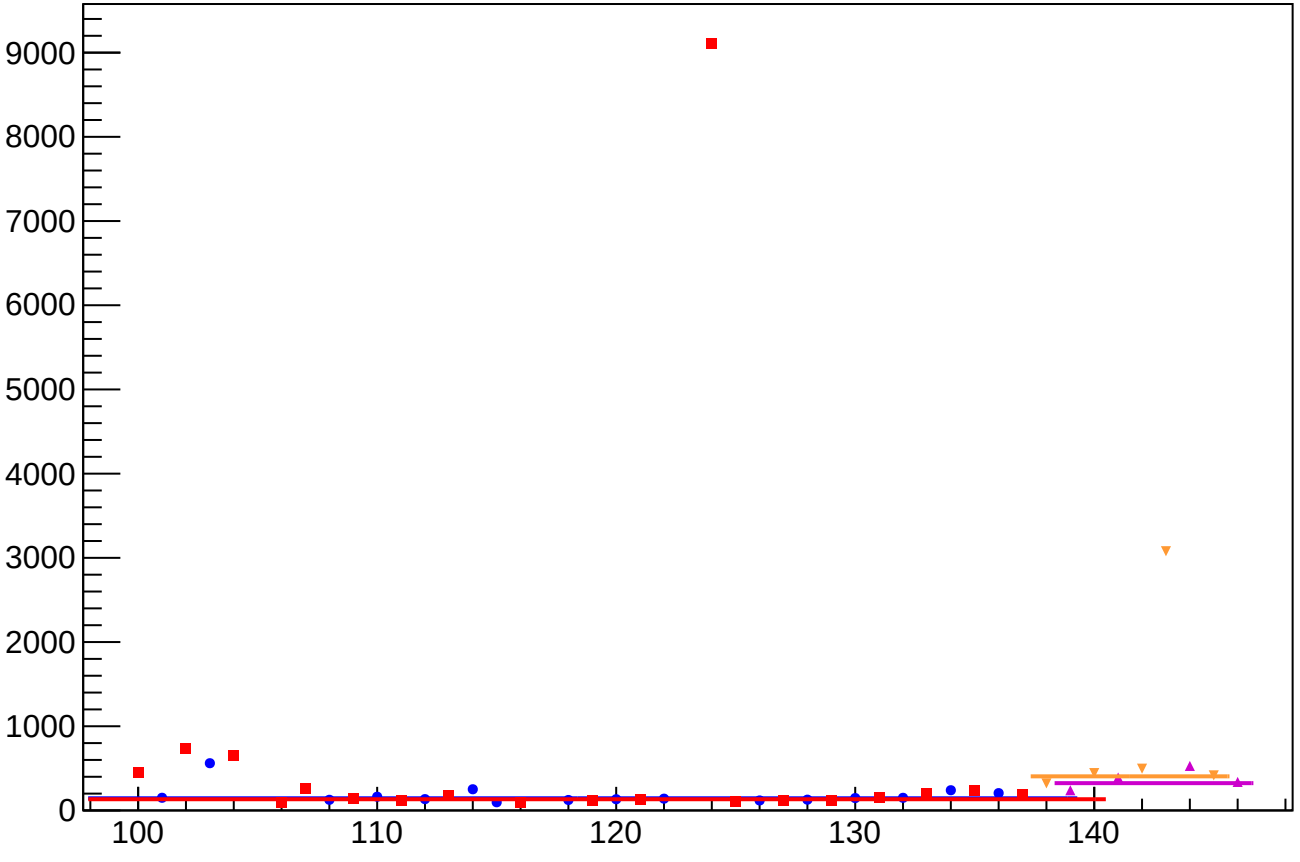
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.032+/-0.055 χ^2/NDF:24.6/19

Out: 0.038+/-0.055 χ^2/NDF:32.2/23

All: 0.003+/-0.039 χ^2/NDF: 57.6/43

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 405.124+/-0.170 χ^2/NDF:1373181.7/4

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.290+/-0.130 χ^2/NDF:511352.1/3

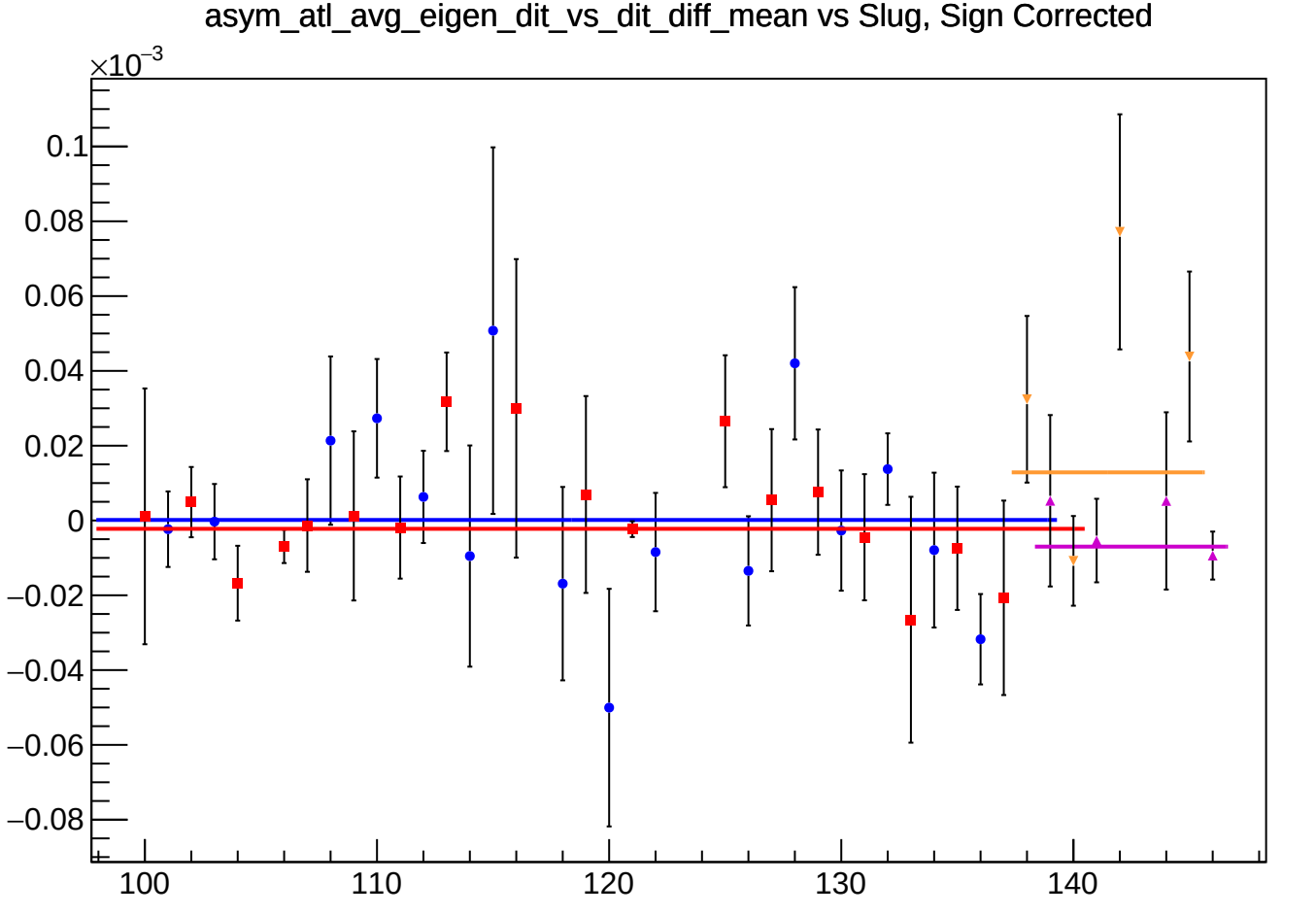
Left: 354.169+/-0.103 χ^2/NDF: 2027274.0/8

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 160.478+/-0.039 χ^2/NDF:3382723.2/19

Out: 147.509+/-0.039 χ^2/NDF:6021013.0/23

All: 153.975+/-0.028 χ^2/NDF: 9459155.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

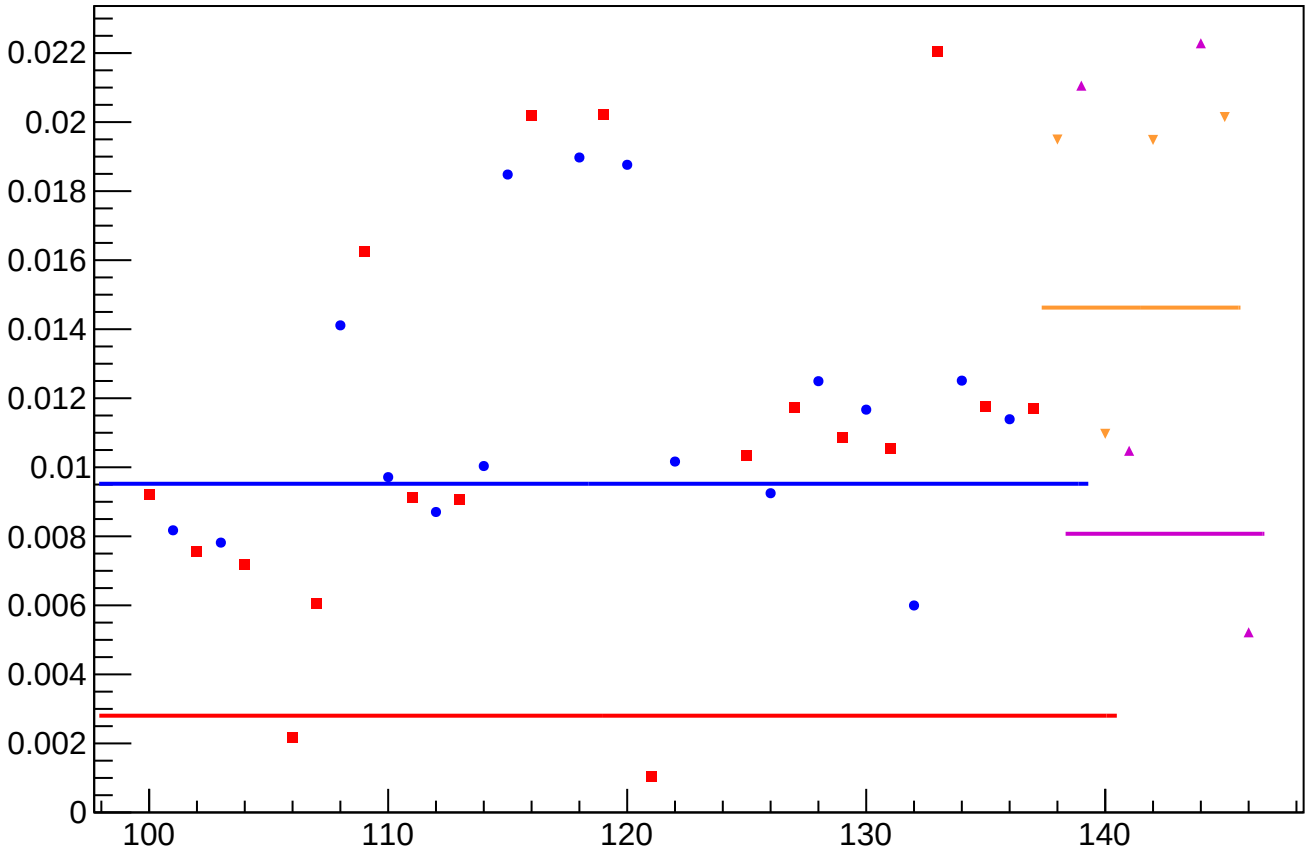
Left: -0.000+/-0.000 χ^2/NDF: 15.0/7

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: -0.000+/-0.000 χ^2/NDF:24.7/19

Out: -0.000+/-0.000 χ^2/NDF:28.9/21

All: -0.000+/-0.000 χ^2/NDF: 53.7/41



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.015+/-0.000 χ^2/NDF:447383.6/3

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.008+/-0.000 χ^2/NDF:1849210.6/3

Left: 0.010+/-0.000 χ^2/NDF: 3065334.1/7

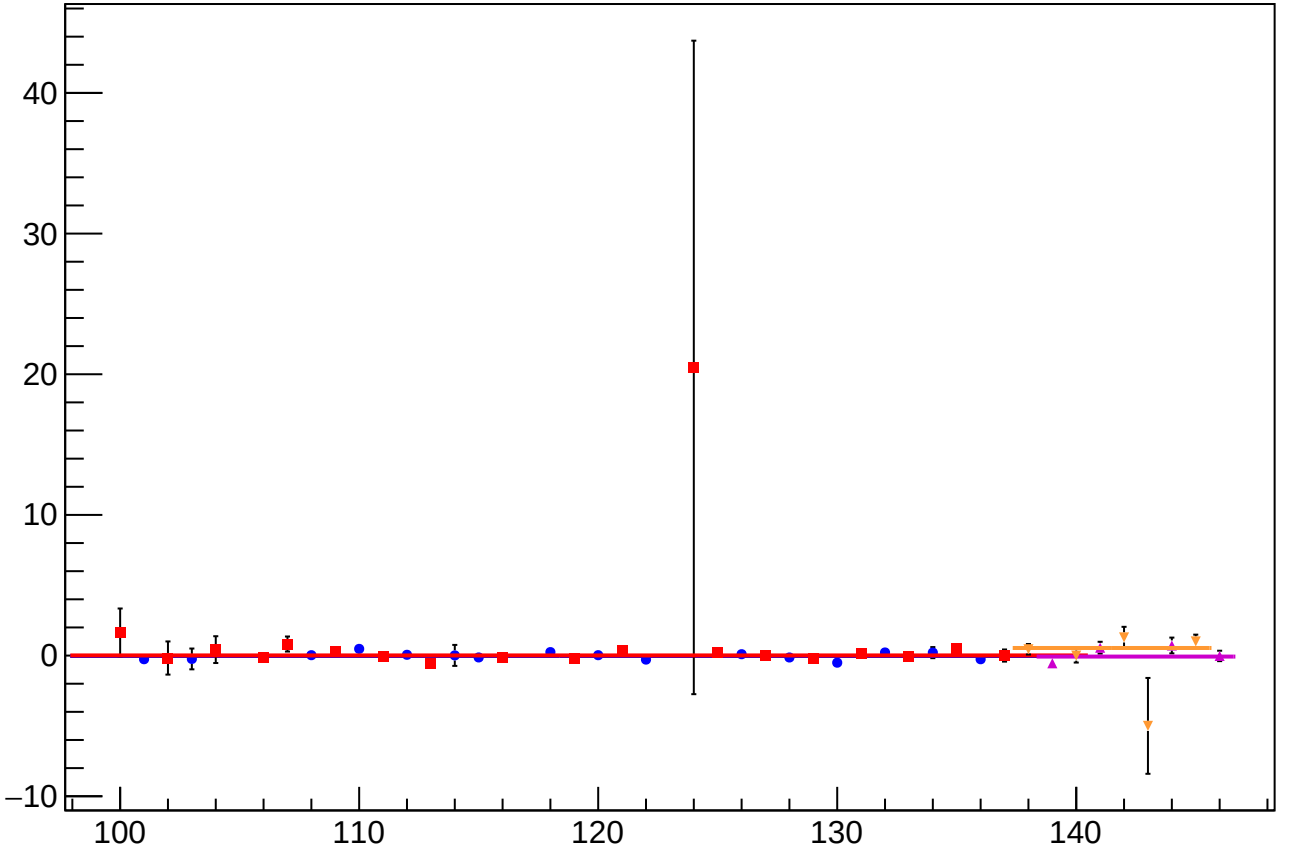
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.009+/-0.000 χ^2/NDF:3082551.1/19

Out: 0.003+/-0.000 χ^2/NDF:12234617.8/21

All: 0.005+/-0.000 χ^2/NDF: 20901513.5/41

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: 0.540+/-0.240 χ^2/NDF:5.8/4

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.071+/-0.184 χ^2/NDF:7.3/3

Left: 0.155+/-0.146 χ^2/NDF: 17.2/8

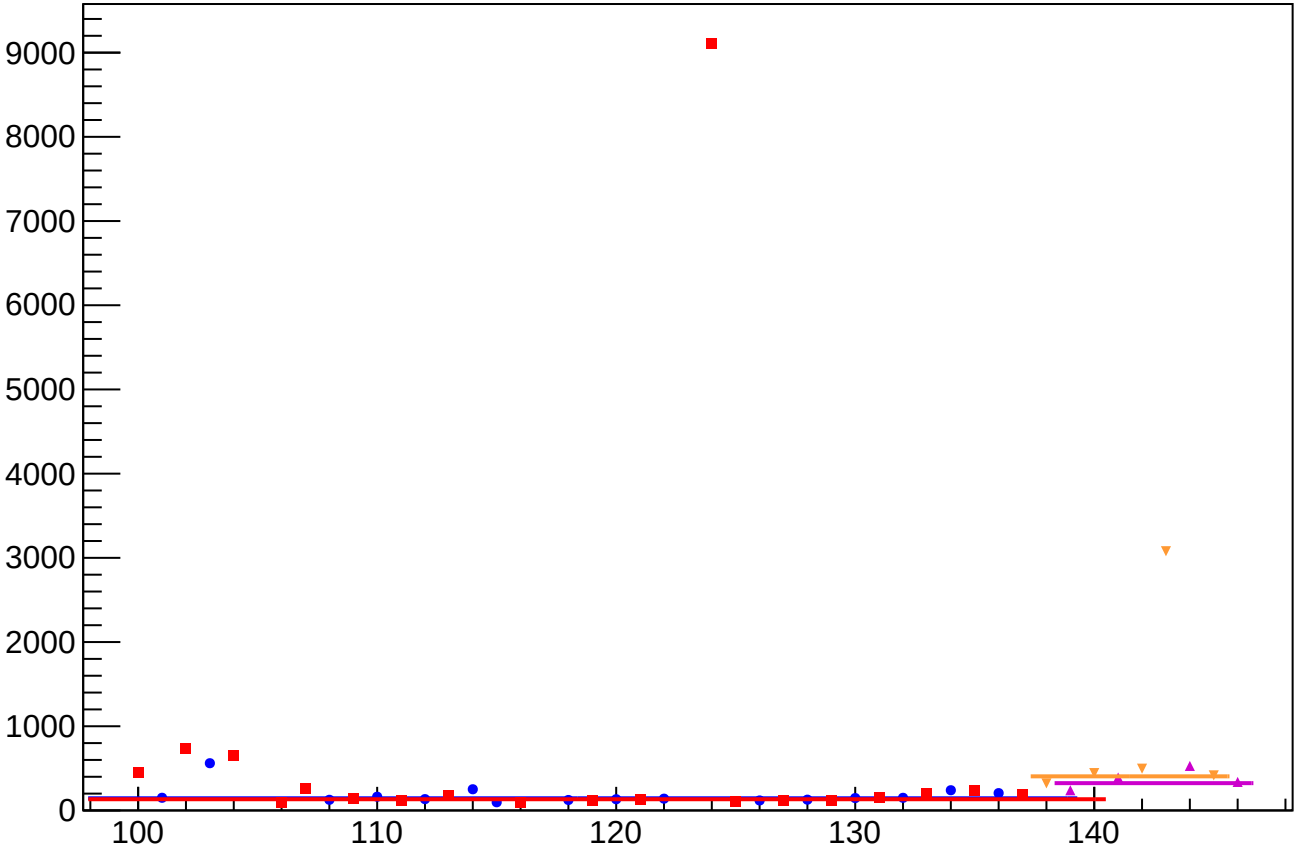
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.032+/-0.055 χ^2/NDF:24.6/19

Out: 0.038+/-0.055 χ^2/NDF:32.2/23

All: 0.003+/-0.039 χ^2/NDF: 57.6/43

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: 405.129+/-0.170 χ^2/NDF:1373189.2/4

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.296+/-0.130 χ^2/NDF:511332.8/3

Left: 354.175+/-0.103 χ^2/NDF: 2027255.4/8

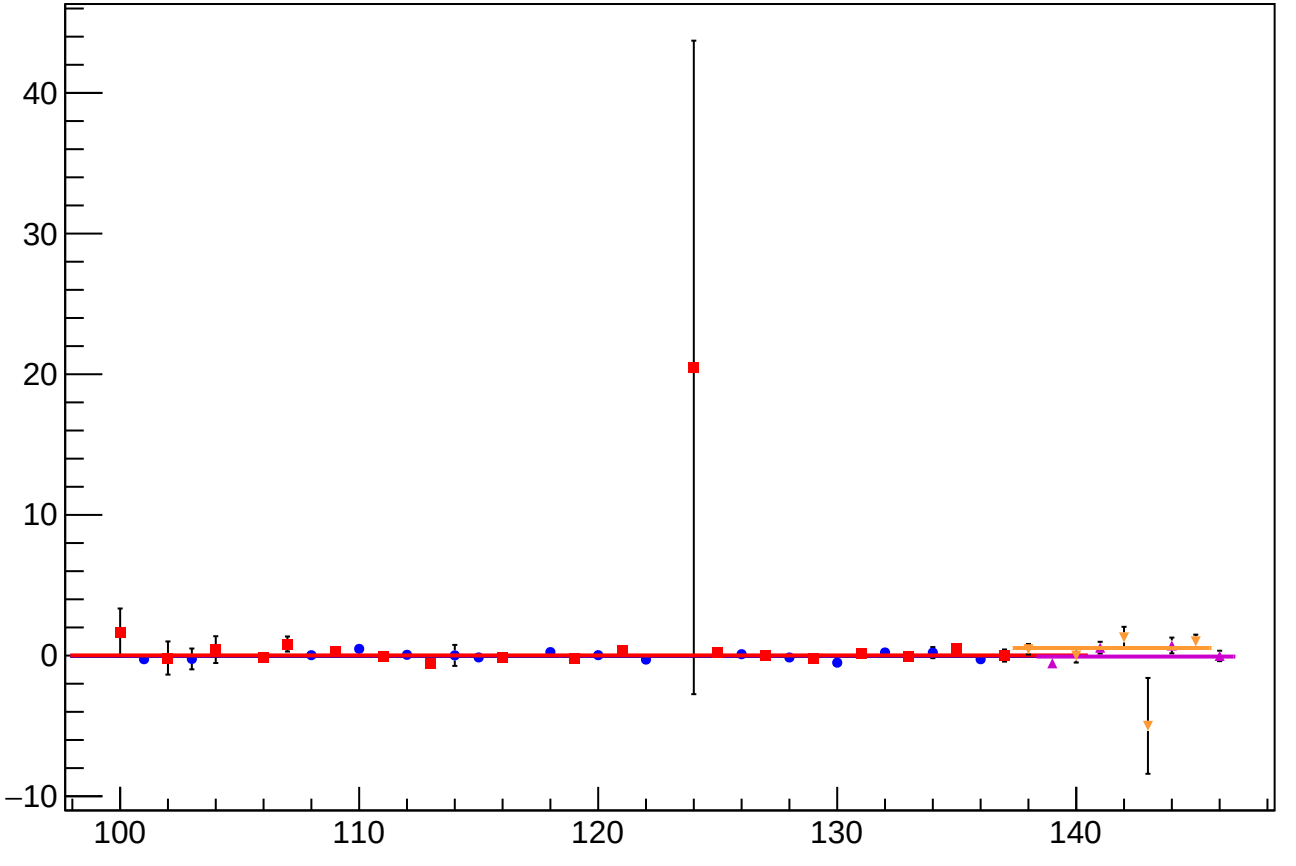
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 160.476+/-0.039 χ^2/NDF:3382821.4/19

Out: 147.508+/-0.039 χ^2/NDF:6021029.3/23

All: 153.974+/-0.028 χ^2/NDF: 9459264.1/43

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: 0.540+/-0.240 χ^2/NDF:5.8/4

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.071+/-0.184 χ^2/NDF:7.3/3

Left: 0.155+/-0.146 χ^2/NDF: 17.2/8

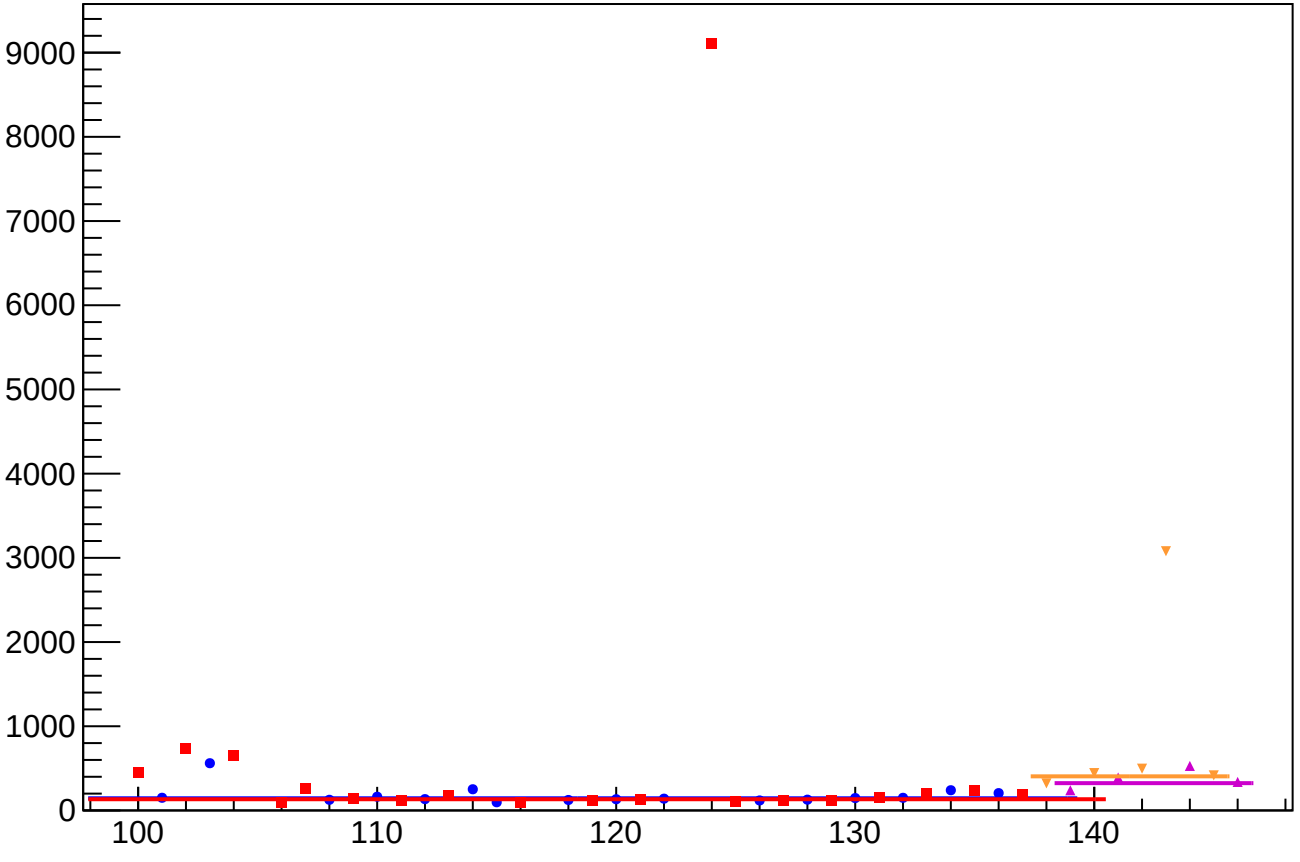
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.032+/-0.055 χ^2/NDF:24.6/19

Out: 0.038+/-0.055 χ^2/NDF:32.2/23

All: 0.003+/-0.039 χ^2/NDF: 57.6/43

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: 405.129+/-0.170 χ^2/NDF:1373189.2/4

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.296+/-0.130 χ^2/NDF:511332.8/3

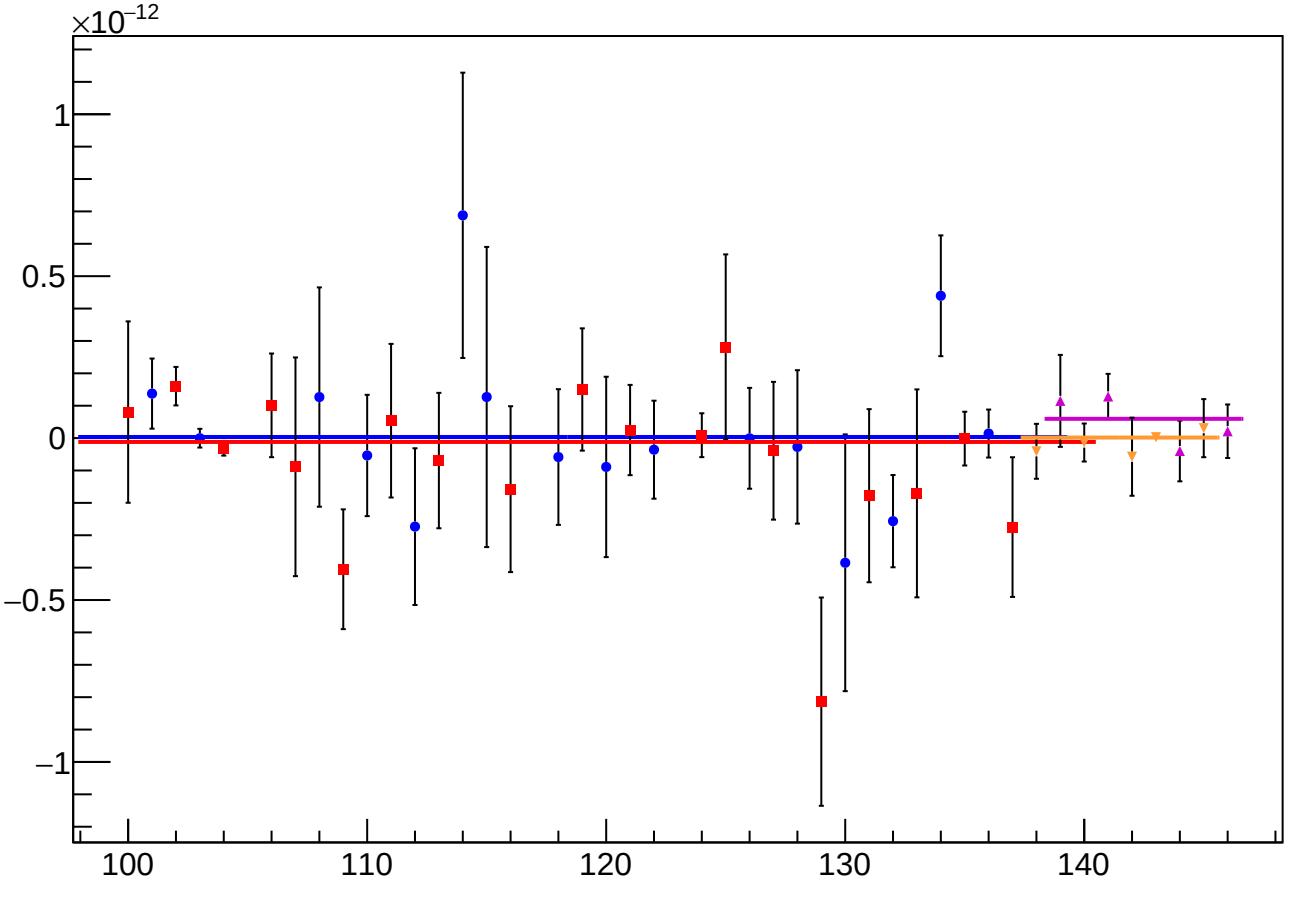
Left: 354.175+/-0.103 χ^2/NDF: 2027255.4/8

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 160.476+/-0.039 χ^2/NDF:3382821.4/19

Out: 147.508+/-0.039 χ^2/NDF:6021029.3/23

All: 153.974+/-0.028 χ^2/NDF: 9459264.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/4

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

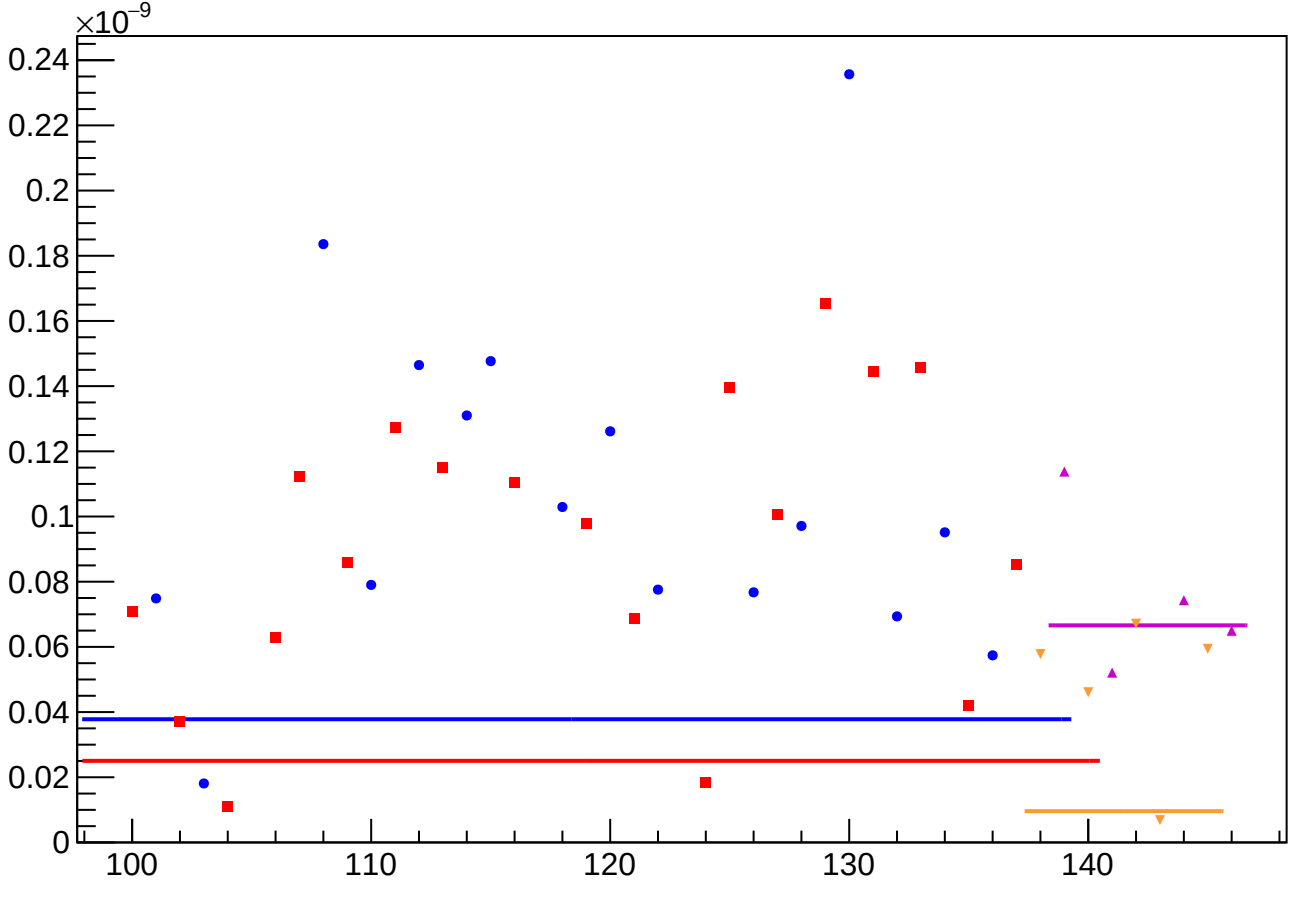
Left: 0.000+/-0.000 χ^2/NDF: 4.8/8

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:19.3/19

Out: -0.000+/-0.000 χ^2/NDF:26.2/23

All: 0.000+/-0.000 χ^2/NDF: 46.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2641918.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:321557.3/3

Left: 0.000+/-0.000 χ^2/NDF: 6157039.9/8

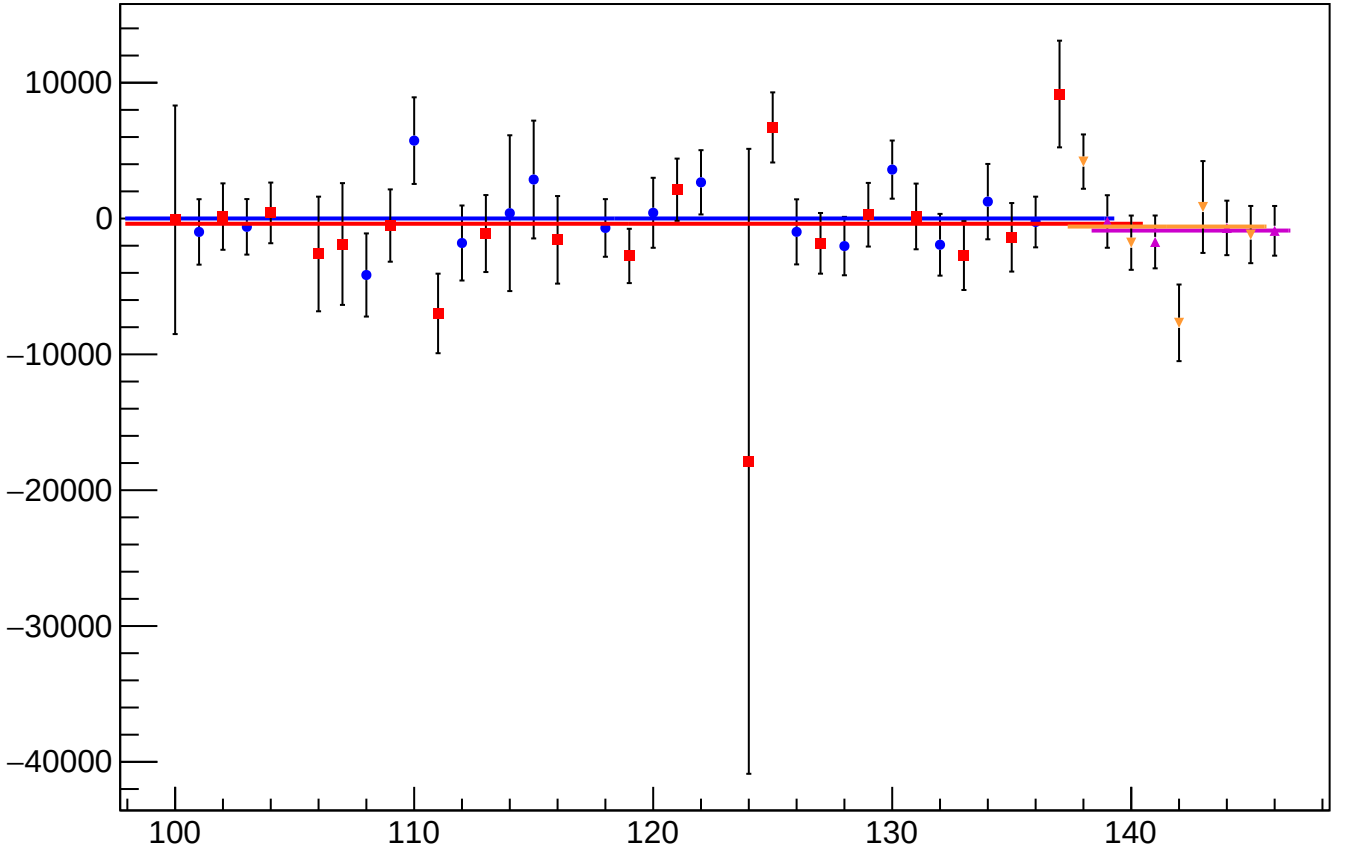
Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:4924737.4/19

Out: 0.000+/-0.000 χ^2/NDF:8430108.2/23

All: 0.000+/-0.000 χ^2/NDF: 17180019.2/43

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: -590.830+/-1032.016 χ^2/NDF:12.6/4

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -884.916+/-962.840 χ^2/NDF:0.3/3

Left: -748.058+/-704.017 χ^2/NDF: 13.0/8

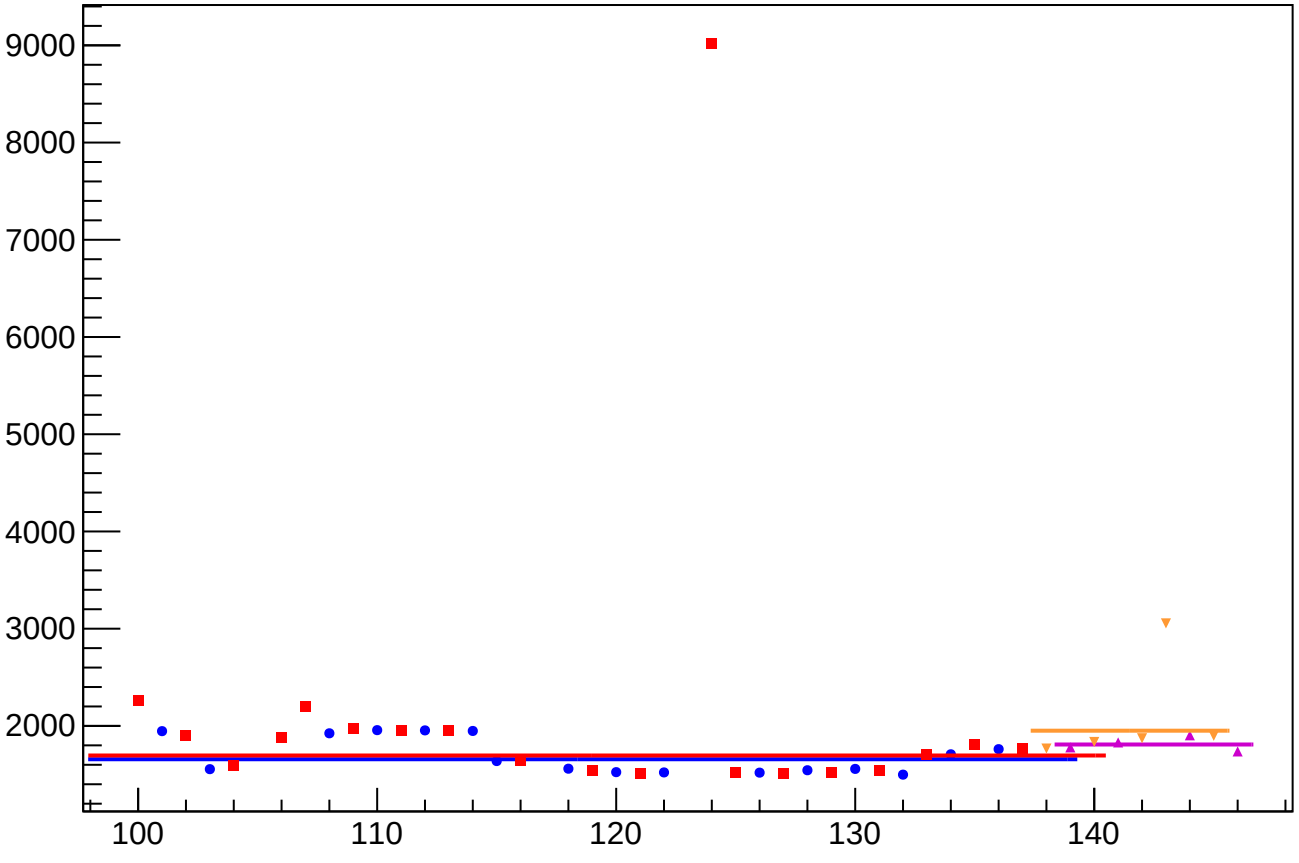
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -256.229+/-521.220 χ^2/NDF:13.4/19

Out: -441.179+/-540.008 χ^2/NDF:36.7/23

All: -345.431+/-375.025 χ^2/NDF: 50.1/43

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1950.787+/-0.730 χ^2/NDF:239493.7/4

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

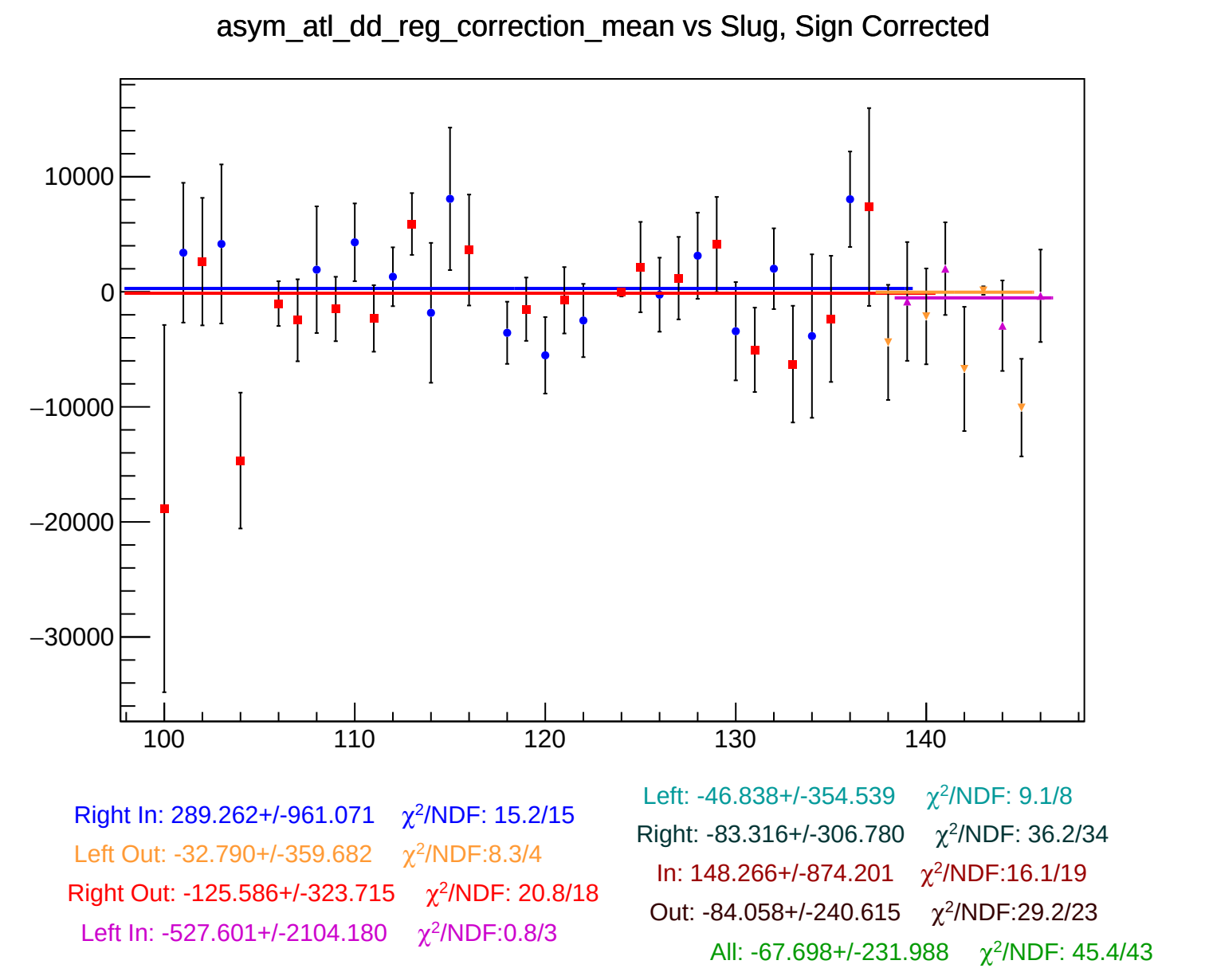
Left: 1874.879+/-0.498 χ^2/NDF: 267910.9/8

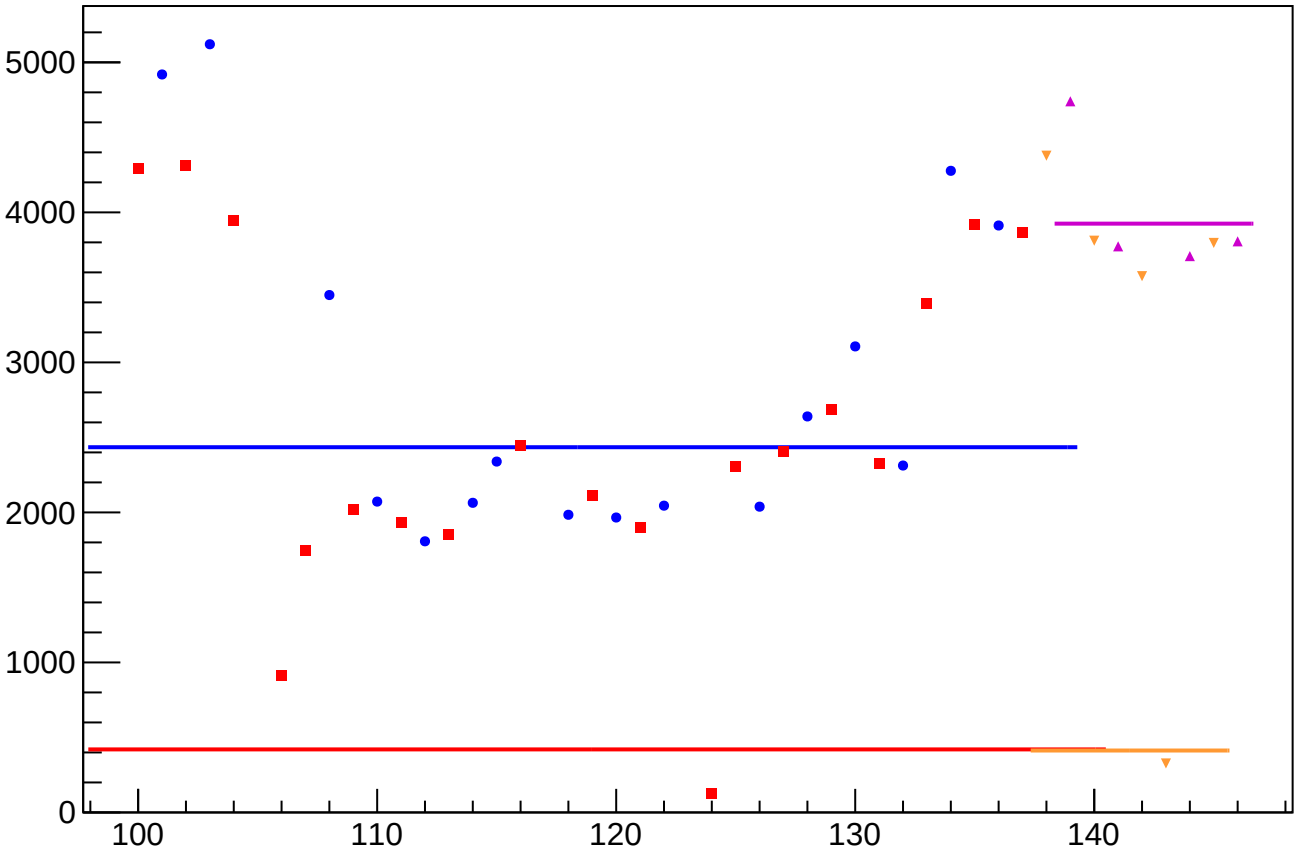
Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1701.570+/-0.369 χ^2/NDF:187253.4/19

Out: 1765.038+/-0.381 χ^2/NDF:714703.4/23

All: 1732.287+/-0.265 χ^2/NDF: 916309.0/43


asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
Right In: 289.262+/-961.071 χ²/NDF: 15.2/15
Left Out: -32.790+/-359.682 χ²/NDF:8.3/4
Right Out: -125.586+/-323.715 χ²/NDF: 20.8/18
Left In: -527.601+/-2104.180 χ²/NDF:0.8/3
Left: -46.838+/-354.539 χ²/NDF: 9.1/8
Right: -83.316+/-306.780 χ²/NDF: 36.2/34
In: 148.266+/-874.201 χ²/NDF:16.1/19
Out: -84.058+/-240.615 χ²/NDF:29.2/23
All: -67.698+/-231.988 χ²/NDF: 45.4/43



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 412.900+/-0.254 χ^2/NDF:4658466.9/4

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 3924.855+/-1.488 χ^2/NDF:60545.1/3

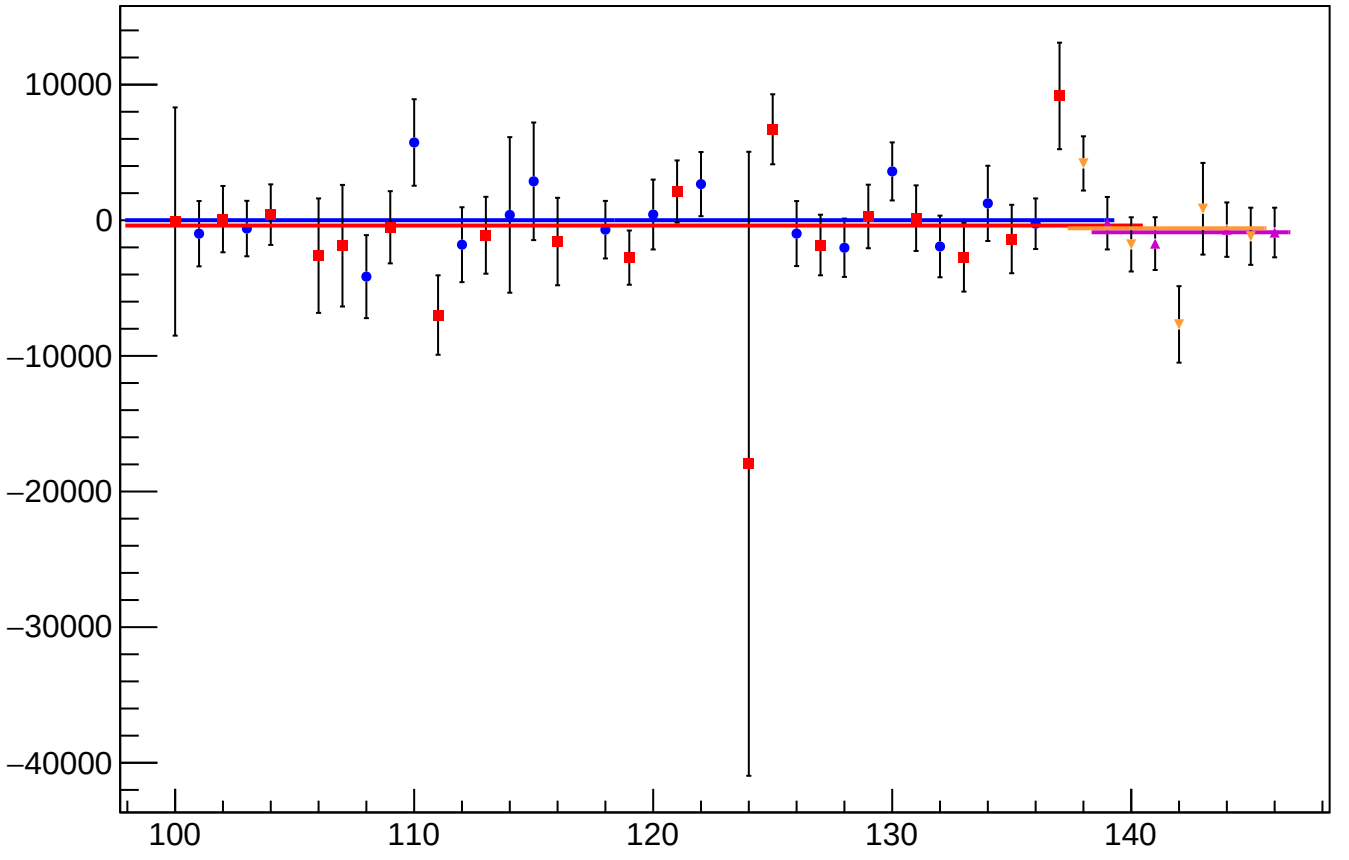
Left: 512.604+/-0.251 χ^2/NDF: 10132216.6/8

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2691.822+/-0.618 χ^2/NDF:2348312.0/19

Out: 416.984+/-0.170 χ^2/NDF:15722907.5/23

All: 577.182+/-0.164 χ^2/NDF: 30660301.0/43



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: -590.917+/-1032.016 χ^2/NDF:12.6/4

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -884.895+/-962.840 χ^2/NDF:0.3/3

Left: -748.088+/-704.017 χ^2/NDF: 13.0/8

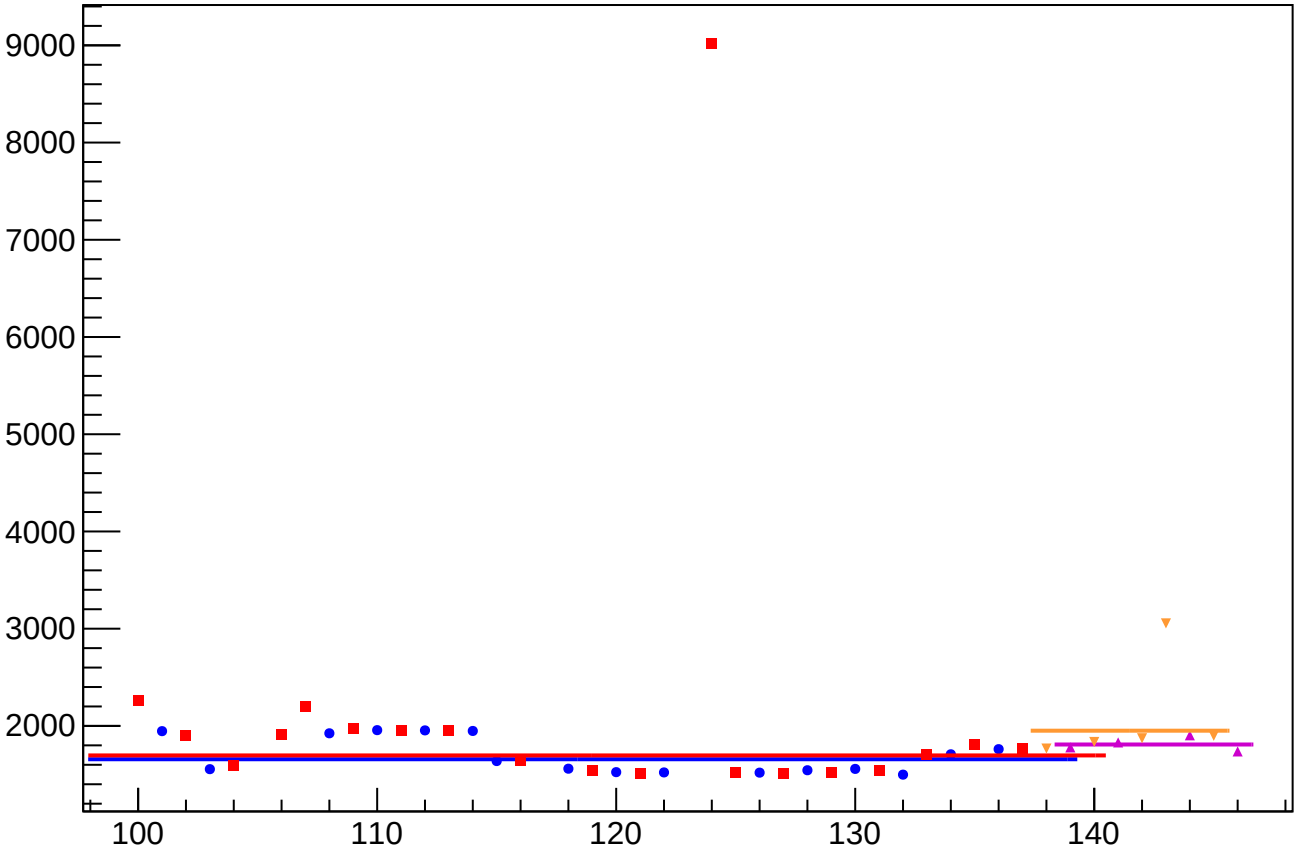
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -256.278+/-521.220 χ^2/NDF:13.4/19

Out: -444.325+/-540.012 χ^2/NDF:36.7/23

All: -346.972+/-375.026 χ^2/NDF: 50.1/43

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1950.787+/-0.730 χ^2/NDF:239493.7/4

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

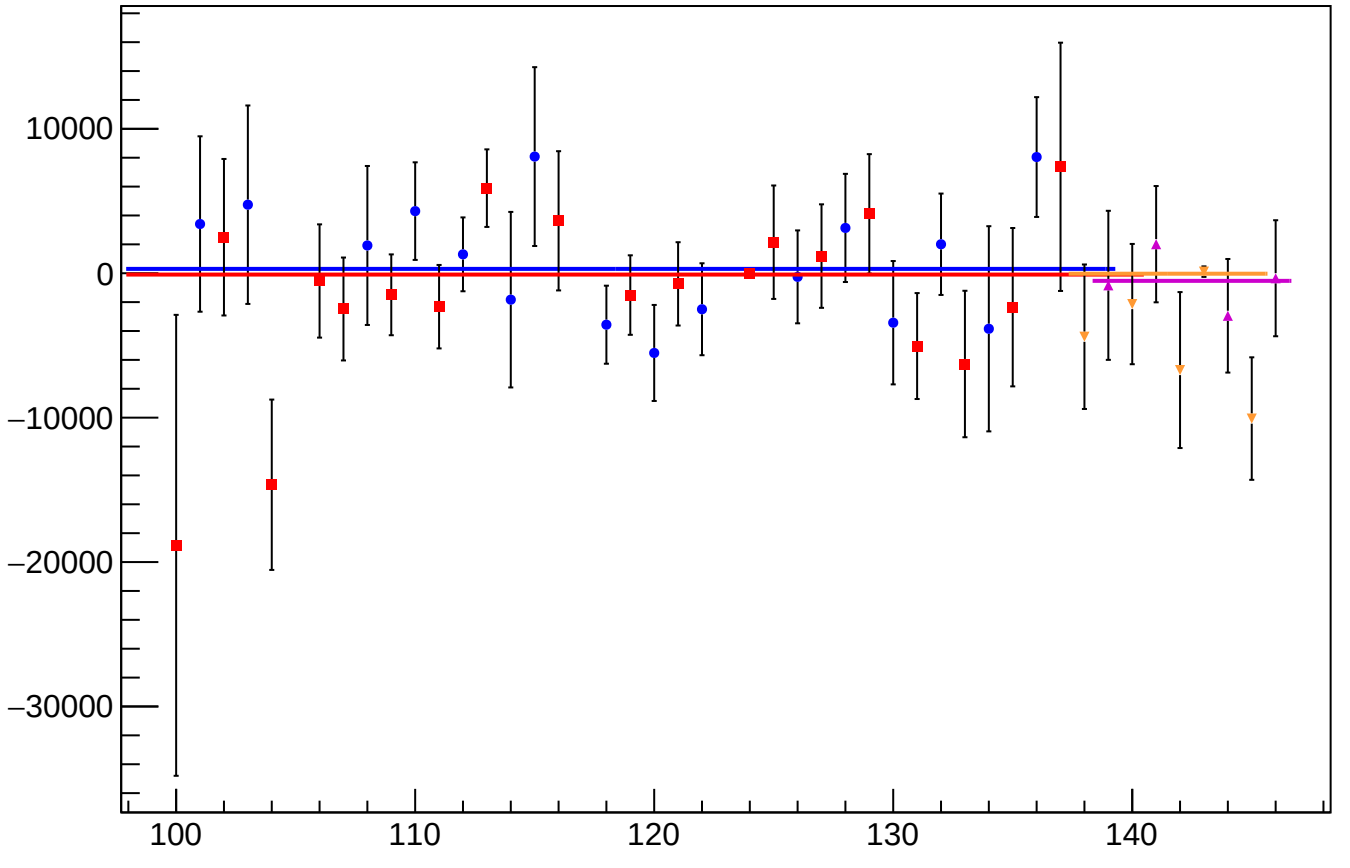
Left: 1874.879+/-0.498 χ^2/NDF: 267910.9/8

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1701.570+/-0.369 χ^2/NDF:187253.5/19

Out: 1765.664+/-0.381 χ^2/NDF:715885.8/23

All: 1732.579+/-0.265 χ^2/NDF: 917770.9/43



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: -32.309+/-359.654 χ^2/NDF:8.3/4

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -527.551+/-2104.179 χ^2/NDF:0.8/3

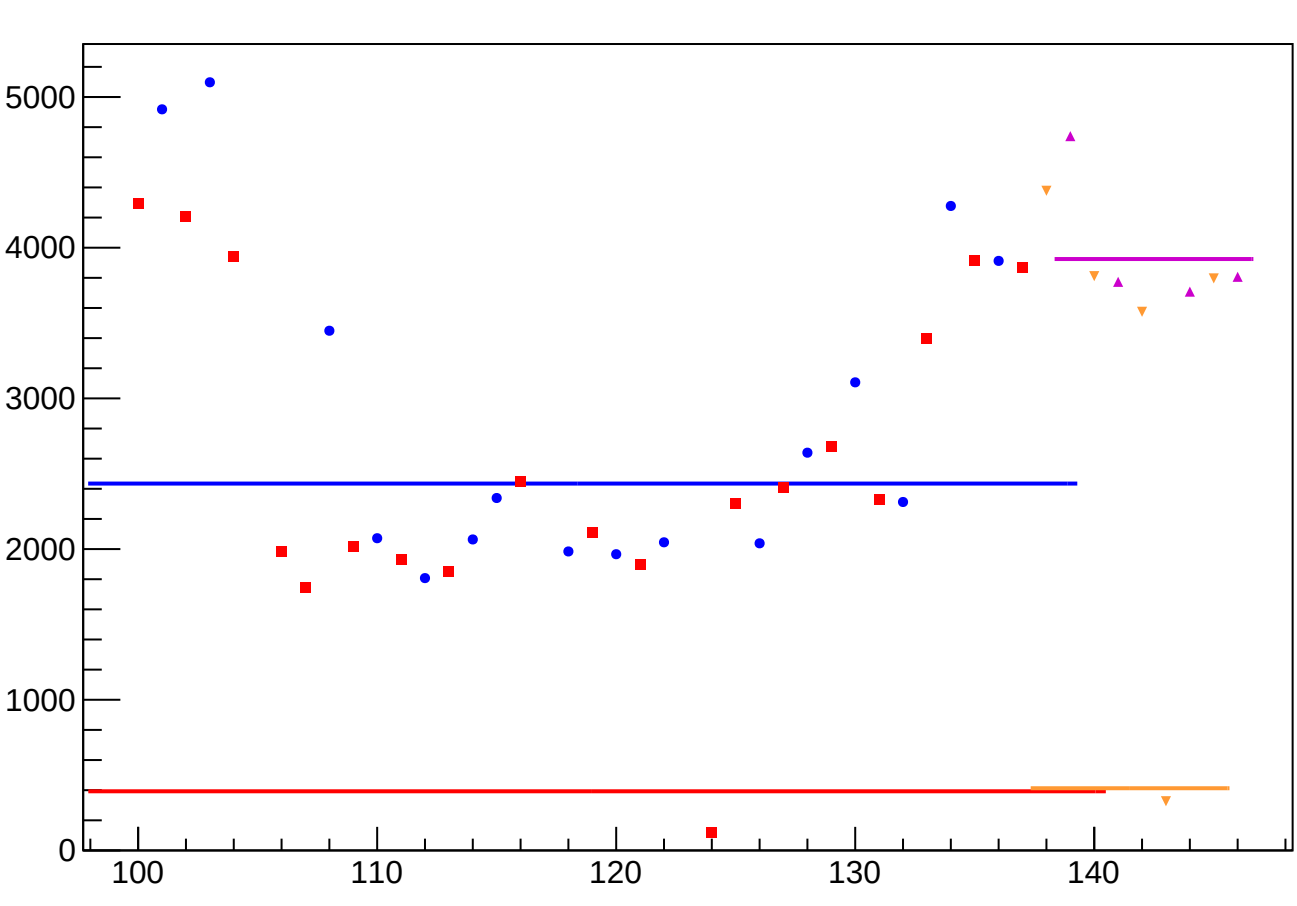
Left: -46.367+/-354.513 χ^2/NDF: 9.1/8

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 158.710+/-874.112 χ^2/NDF:16.2/19

Out: -66.155+/-237.285 χ^2/NDF:28.9/23

All: -50.722+/-228.997 χ^2/NDF: 45.2/43



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 412.858+/-0.254 χ^2/NDF:4658558.3/4

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3924.855+/-1.488 χ^2/NDF:60543.4/3

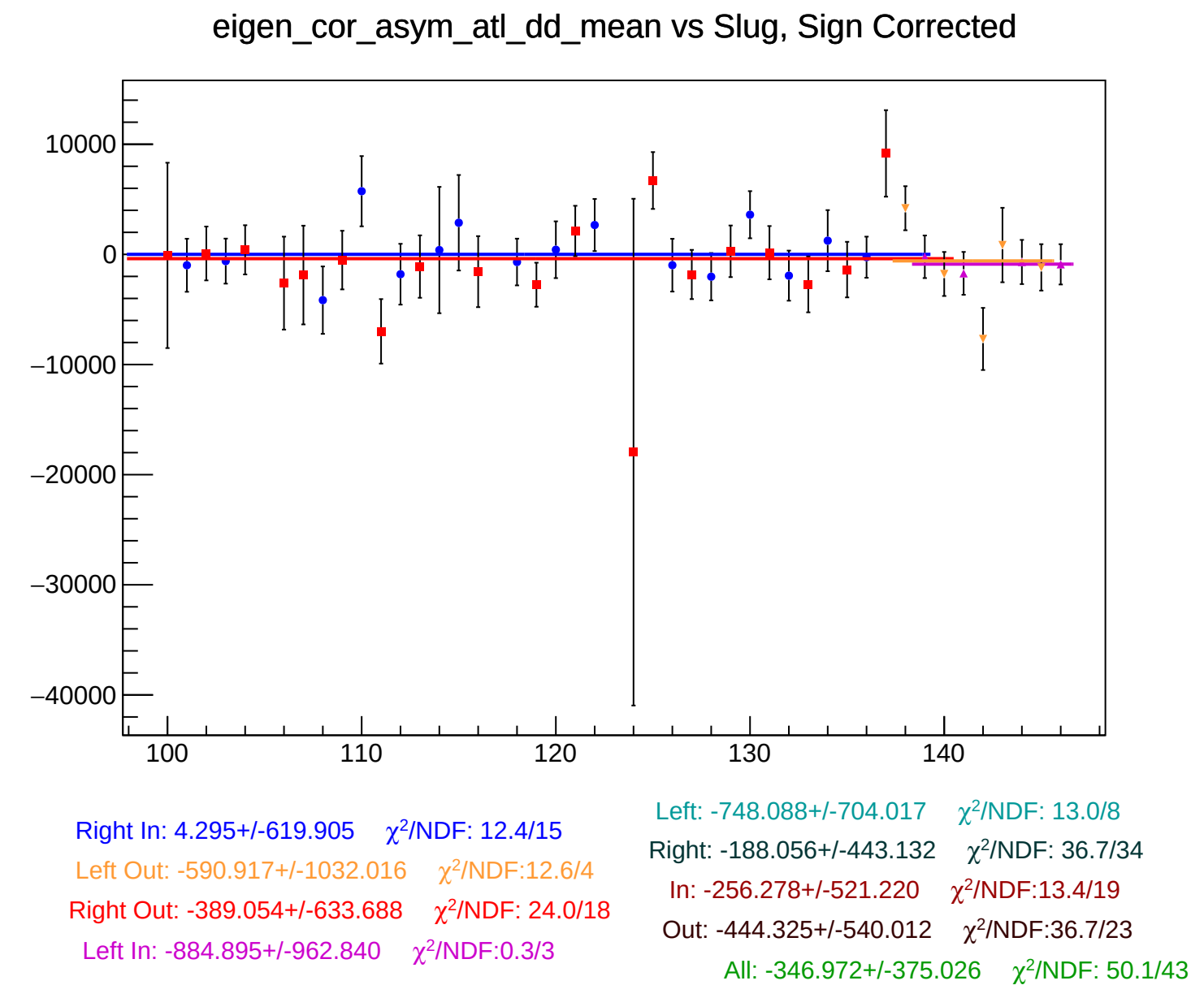
Left: 512.548+/-0.251 χ^2/NDF: 10132461.2/8

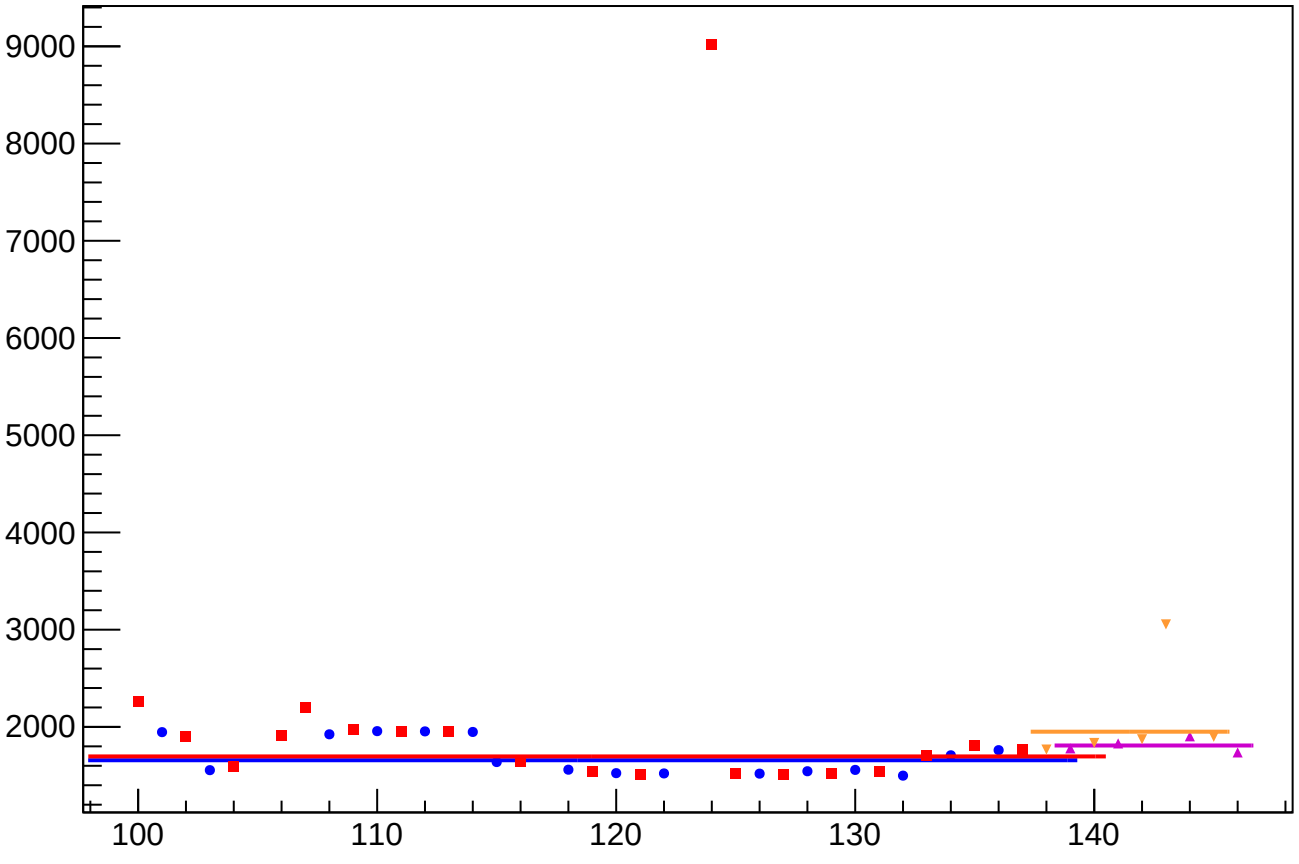
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2691.906+/-0.618 χ^2/NDF:2346467.8/19

Out: 401.455+/-0.168 χ^2/NDF:16070124.8/23

All: 558.653+/-0.162 χ^2/NDF: 31206262.1/43


eigen_cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
Right In: 4.295+/-619.905 χ²/NDF: 12.4/15
Left Out: -590.917+/-1032.016 χ²/NDF:12.6/4
Right Out: -389.054+/-633.688 χ²/NDF: 24.0/18
Left In: -884.895+/-962.840 χ²/NDF:0.3/3
Left: -748.088+/-704.017 χ²/NDF: 13.0/8
Right: -188.056+/-443.132 χ²/NDF: 36.7/34
In: -256.278+/-521.220 χ²/NDF:13.4/19
Out: -444.325+/-540.012 χ²/NDF:36.7/23
All: -346.972+/-375.026 χ²/NDF: 50.1/43



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1950.787+/-0.730 χ^2/NDF:239493.7/4

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

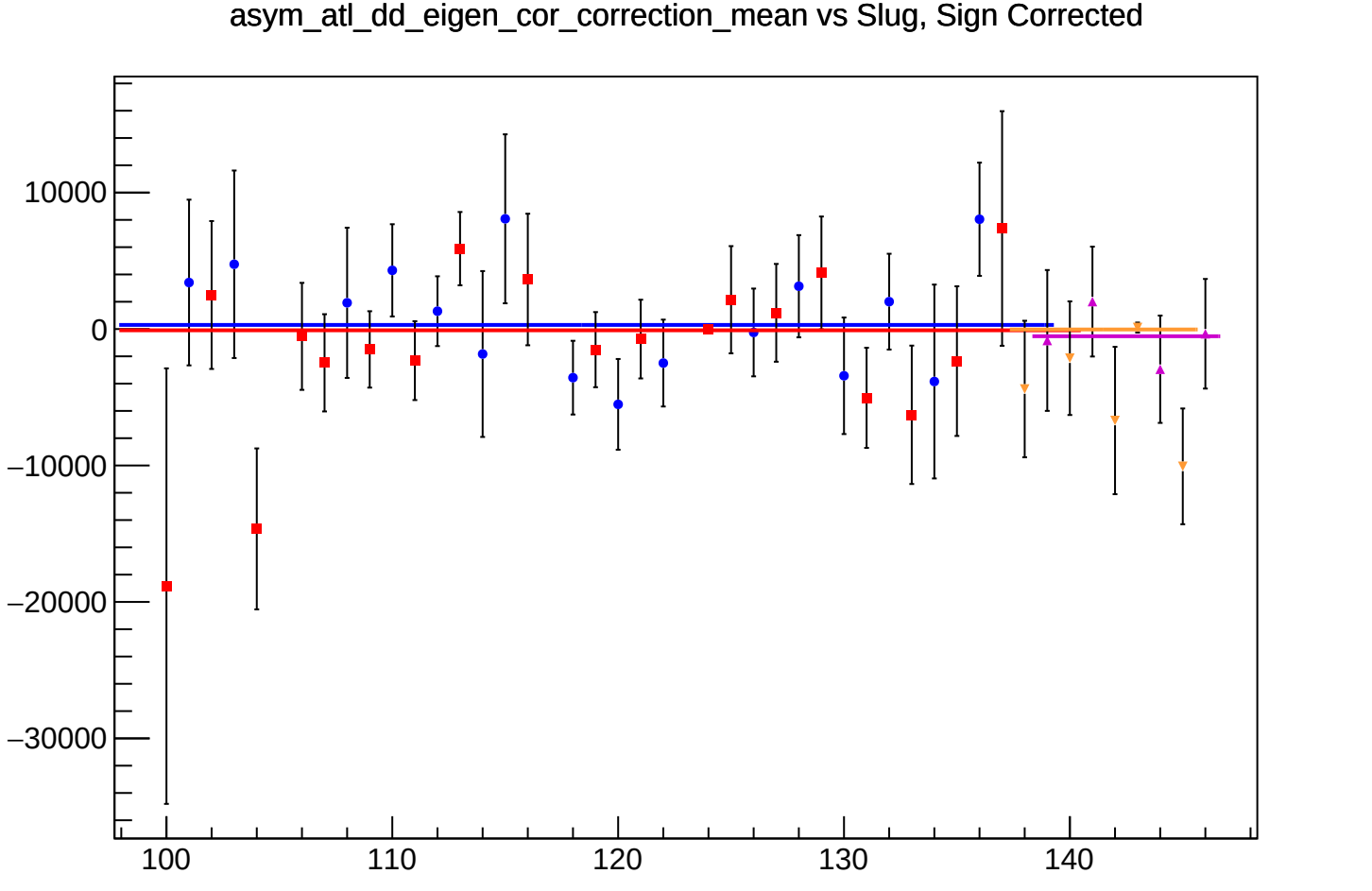
Left: 1874.879+/-0.498 χ^2/NDF: 267910.9/8

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1701.570+/-0.369 χ^2/NDF:187253.5/19

Out: 1765.664+/-0.381 χ^2/NDF:715885.8/23

All: 1732.579+/-0.265 χ^2/NDF: 917770.9/43



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: -32.309+/-359.654 χ^2/NDF:8.3/4

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -527.551+/-2104.179 χ^2/NDF:0.8/3

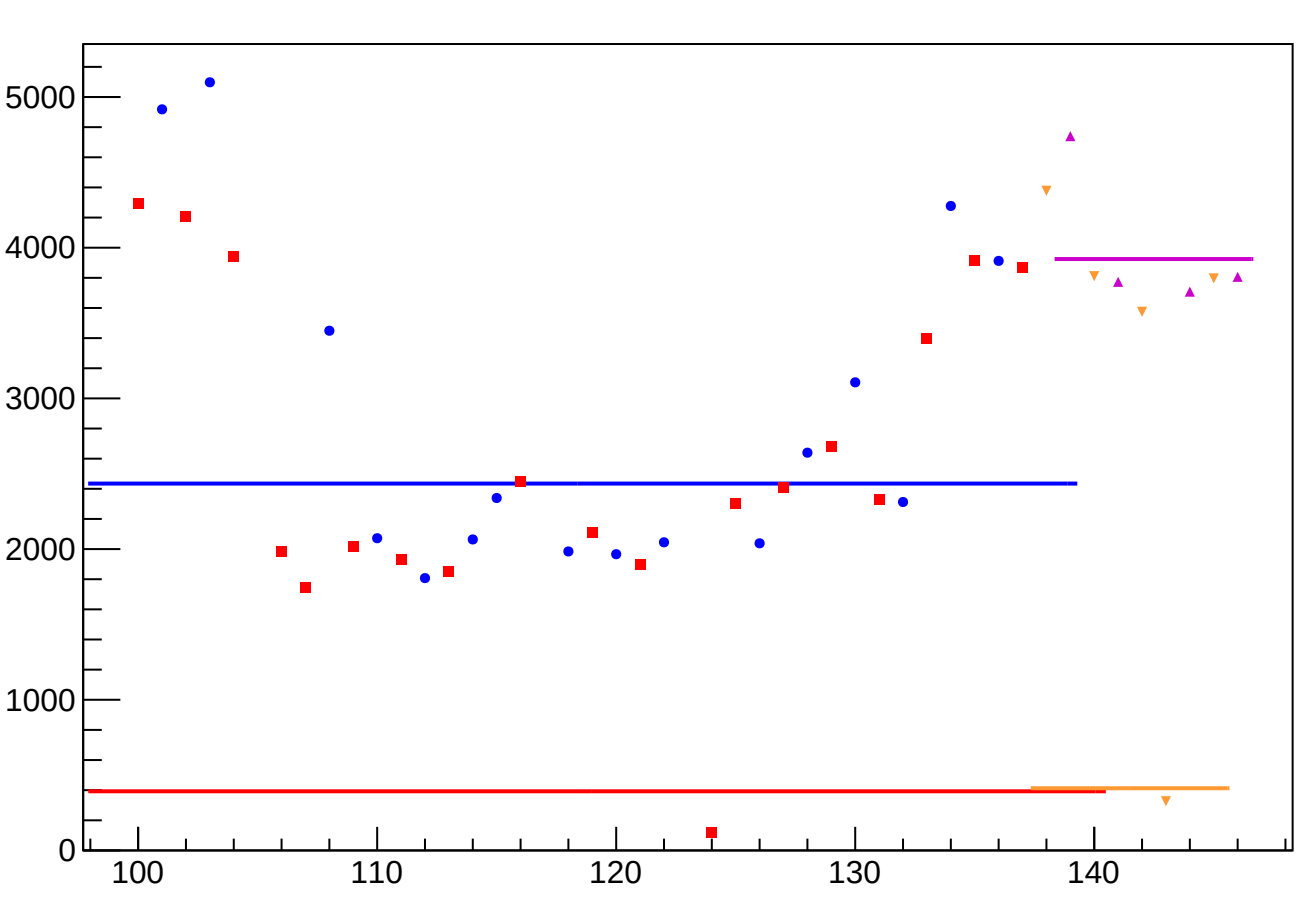
Left: -46.367+/-354.513 χ^2/NDF: 9.1/8

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 158.710+/-874.112 χ^2/NDF:16.2/19

Out: -66.155+/-237.285 χ^2/NDF:28.9/23

All: -50.722+/-228.997 χ^2/NDF: 45.2/43



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 412.858+/-0.254 χ^2/NDF:4658558.3/4

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3924.855+/-1.488 χ^2/NDF:60543.4/3

Left: 512.548+/-0.251 χ^2/NDF: 10132461.2/8

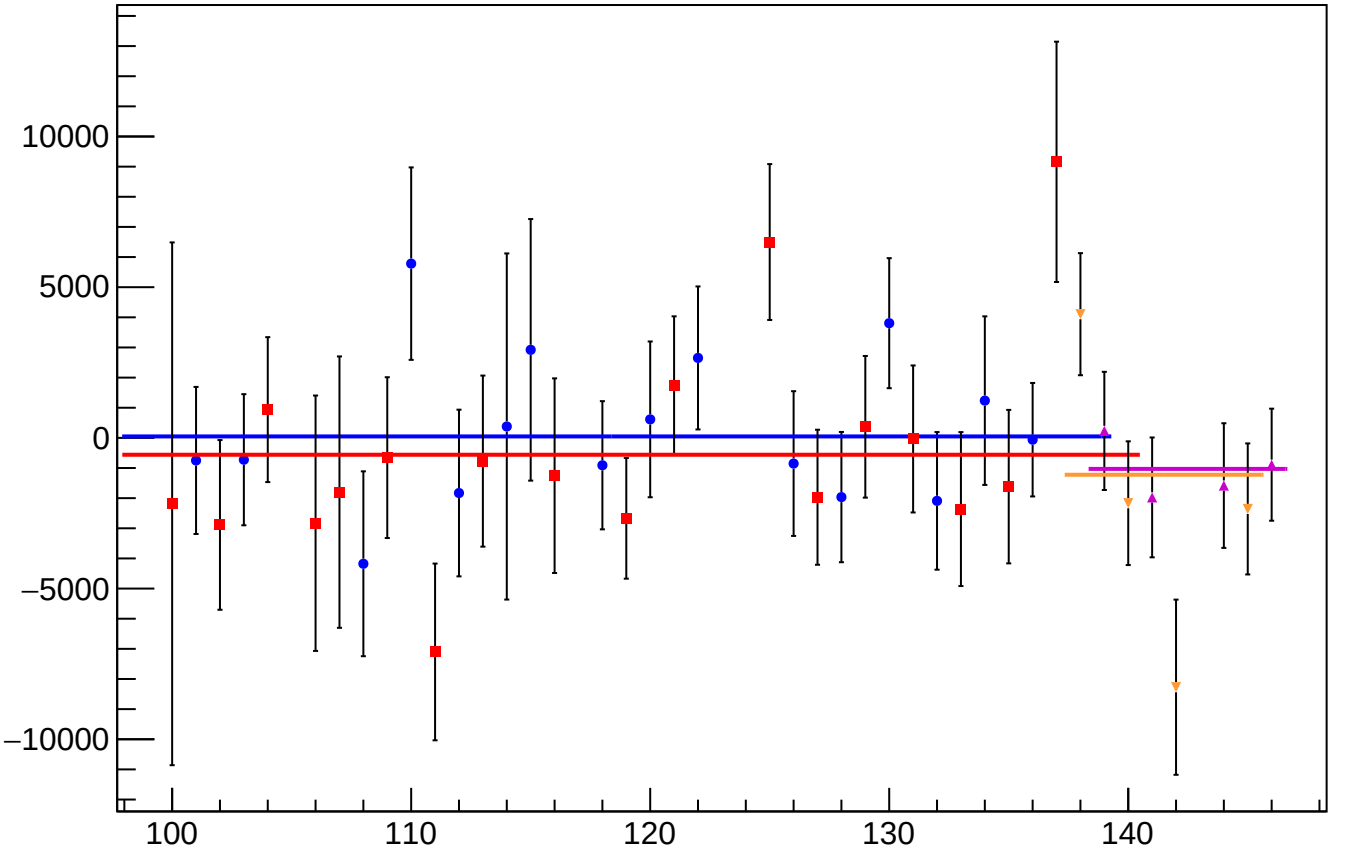
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2691.906+/-0.618 χ^2/NDF:2346467.8/19

Out: 401.455+/-0.168 χ^2/NDF:16070124.8/23

All: 558.653+/-0.162 χ^2/NDF: 31206262.1/43

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: -1223.293+/-1110.398 χ^2/NDF:13.3/3

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -1029.255+/-982.242 χ^2/NDF:0.7/3

Left: -1114.435+/-735.707 χ^2/NDF: 14.0/7

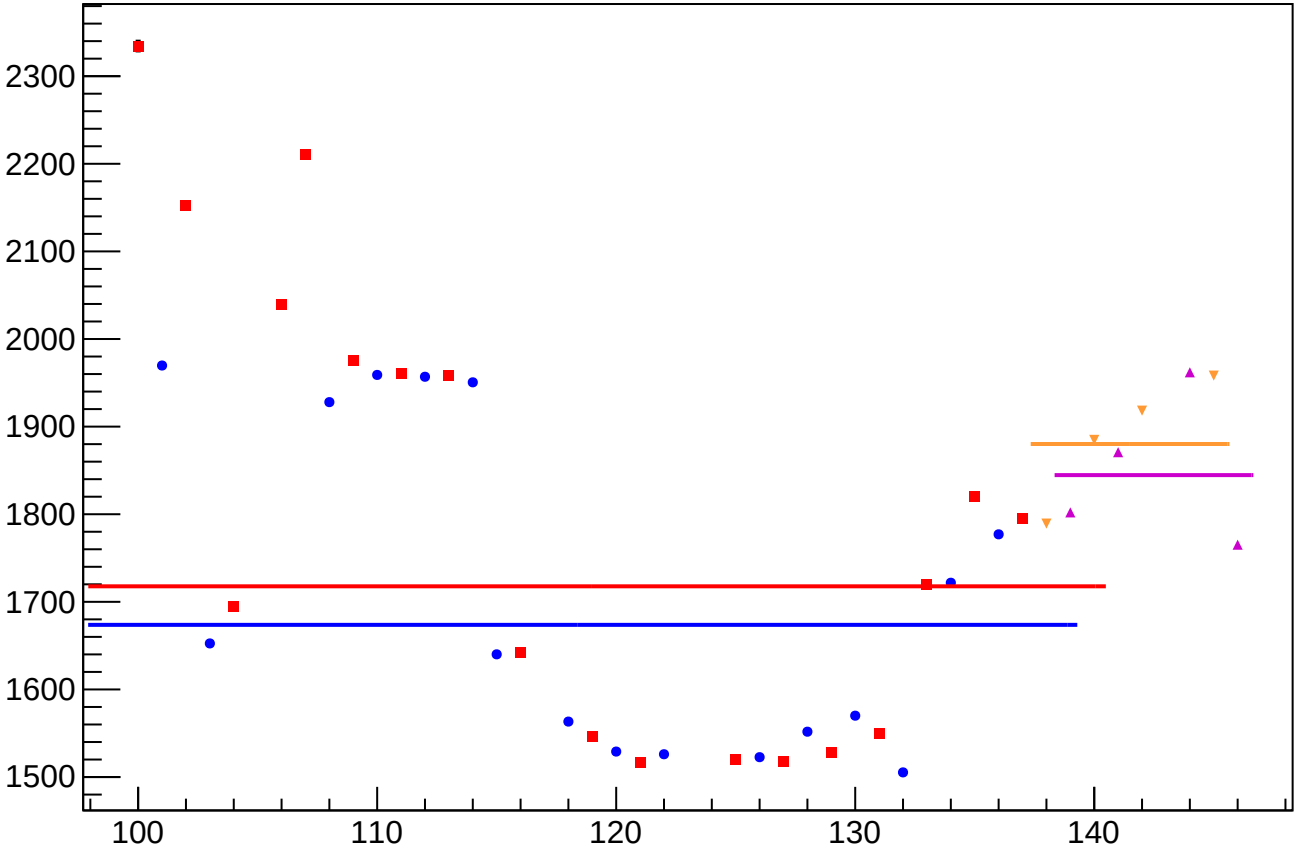
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -263.037+/-527.994 χ^2/NDF:14.4/19

Out: -727.154+/-557.922 χ^2/NDF:36.8/21

All: -482.314+/-383.492 χ^2/NDF: 51.6/41

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1880.161+/-0.785 χ^2/NDF:6955.5/3

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1844.655+/-0.695 χ^2/NDF:11378.8/3

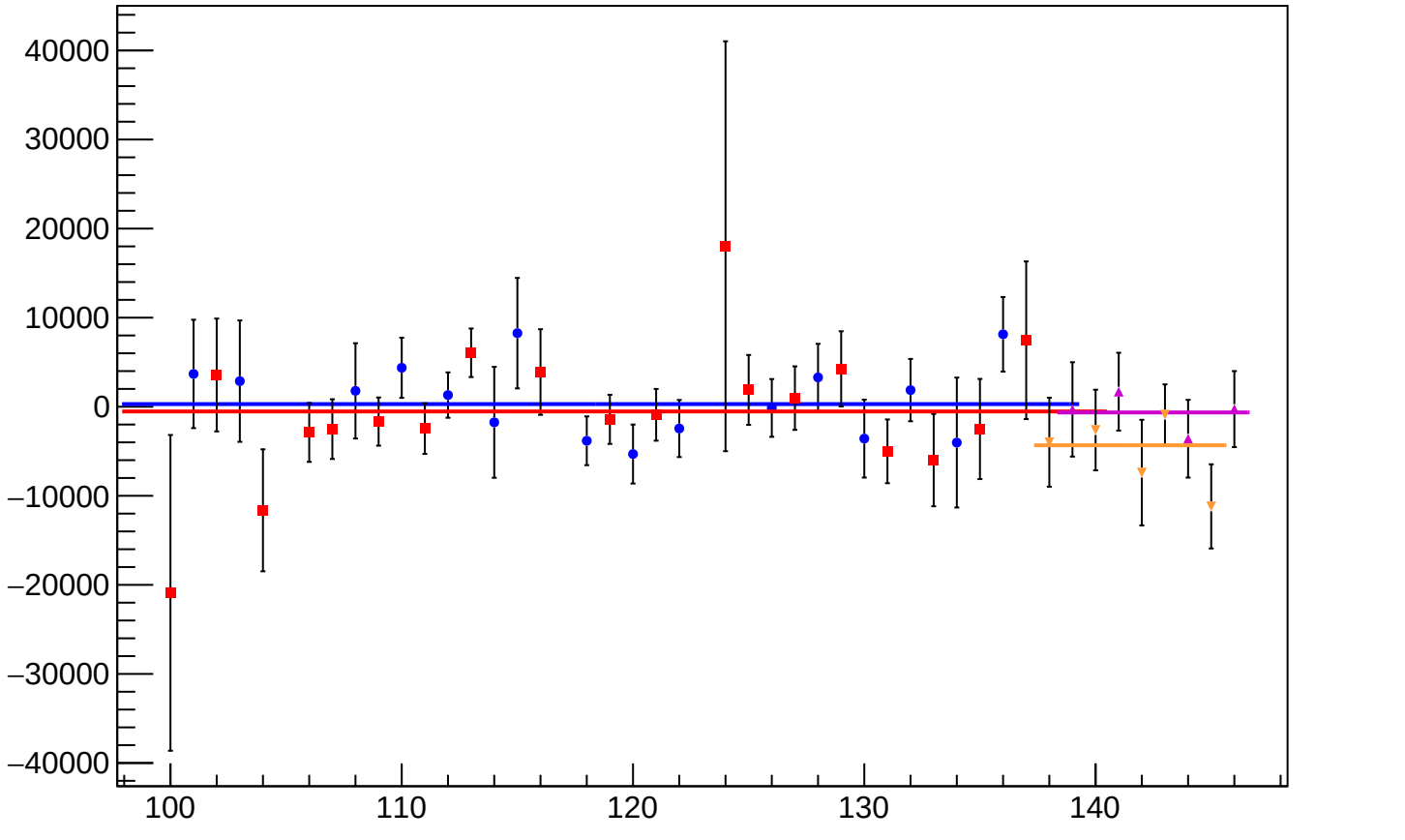
Left: 1860.242+/-0.520 χ^2/NDF: 19481.6/7

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1723.118+/-0.373 χ^2/NDF:195315.7/19

Out: 1758.583+/-0.394 χ^2/NDF:266633.9/21

All: 1739.904+/-0.271 χ^2/NDF: 466220.6/41



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -4328.453+/-2005.805 χ^2/NDF:3.5/4

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -640.685+/-2261.434 χ^2/NDF:0.8/3

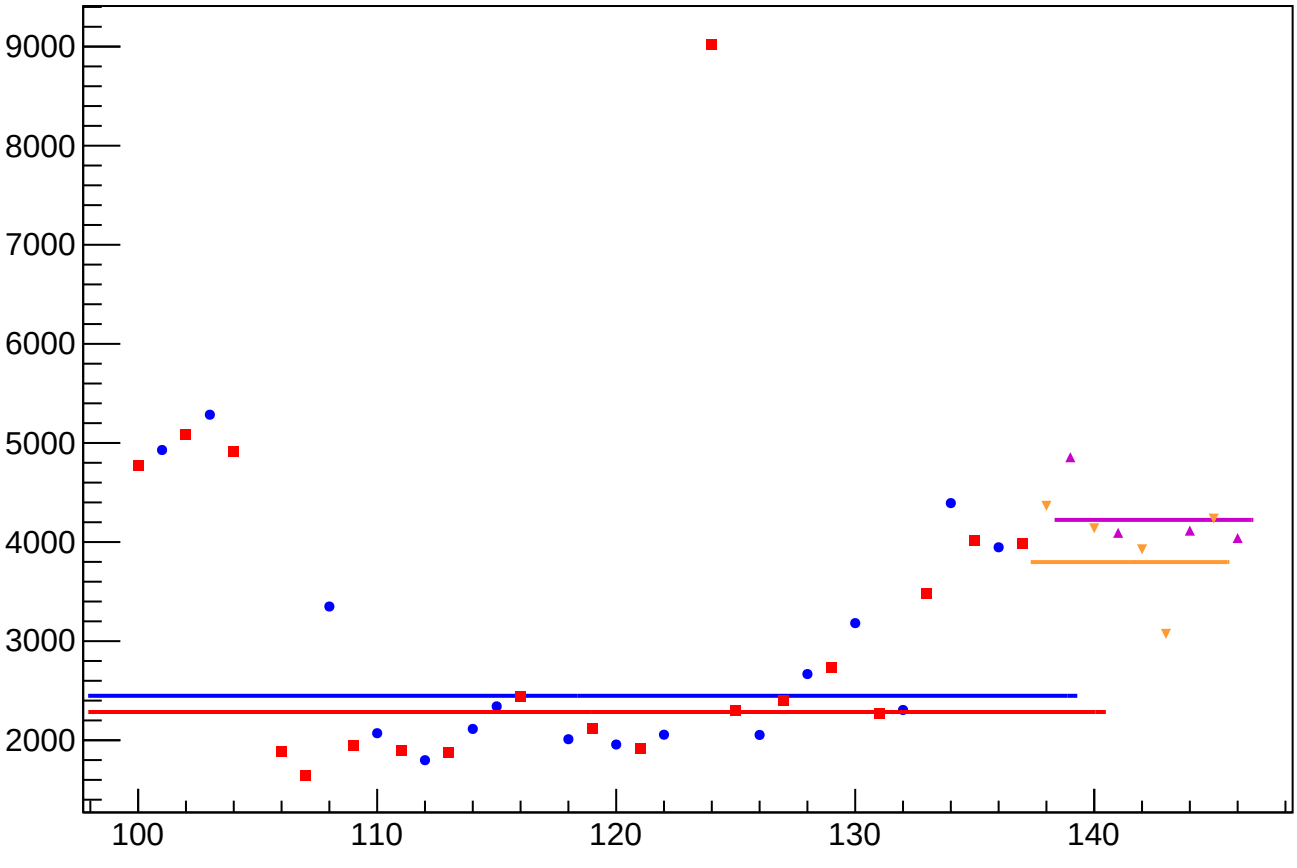
Left: -2704.695+/-1500.593 χ^2/NDF: 5.8/8

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 152.231+/-887.318 χ^2/NDF:16.2/19

Out: -1148.601+/-808.900 χ^2/NDF:25.3/23

All: -558.196+/-597.783 χ^2/NDF: 42.6/43



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3798.029+/-1.418 χ^2/NDF:146090.1/4

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4223.739+/-1.599 χ^2/NDF:35242.8/3

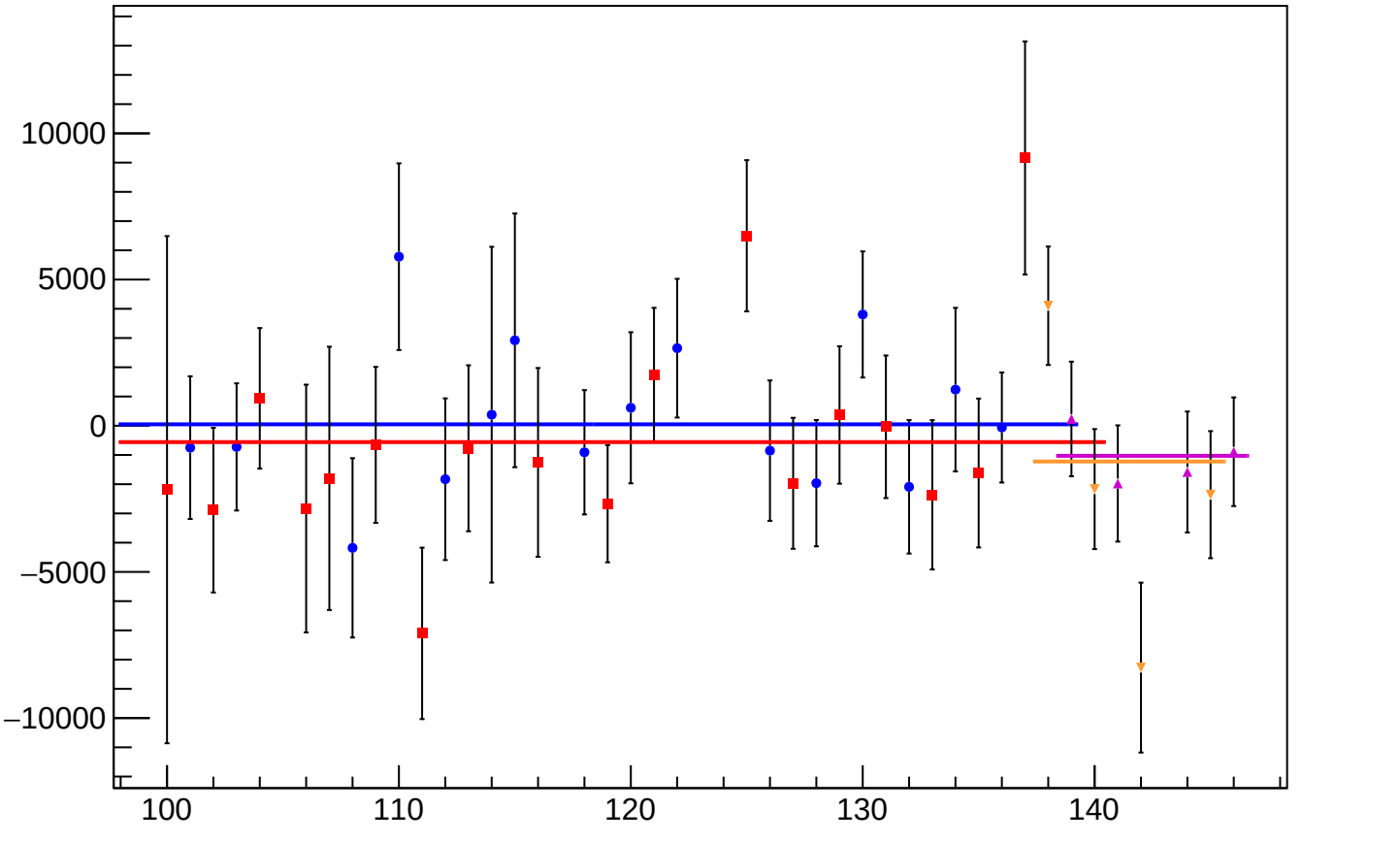
Left: 3985.473+/-1.061 χ^2/NDF: 221000.6/8

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2721.888+/-0.627 χ^2/NDF:2595438.7/19

Out: 2531.133+/-0.572 χ^2/NDF:2647748.1/23

All: 2617.710+/-0.423 χ^2/NDF: 5293667.1/43



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: -1223.310+/-1110.399 χ^2/NDF:13.3/3

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -1029.260+/-982.242 χ^2/NDF:0.7/3

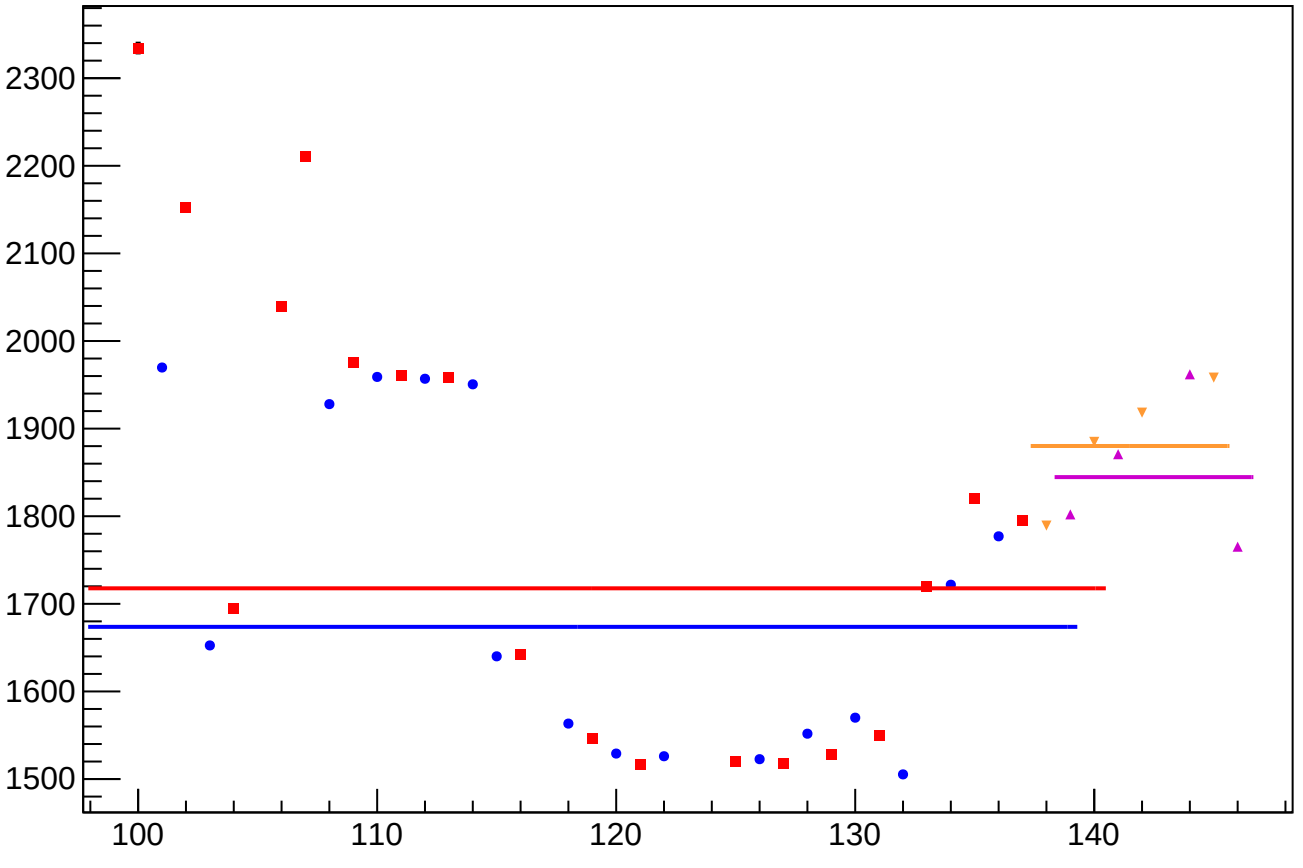
Left: -1114.445+/-735.707 χ^2/NDF: 14.0/7

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -263.039+/-527.994 χ^2/NDF:14.4/19

Out: -727.159+/-557.922 χ^2/NDF:36.8/21

All: -482.318+/-383.492 χ^2/NDF: 51.6/41



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1880.162+/-0.785 χ^2/NDF:6955.7/3

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1844.656+/-0.695 χ^2/NDF:11378.9/3

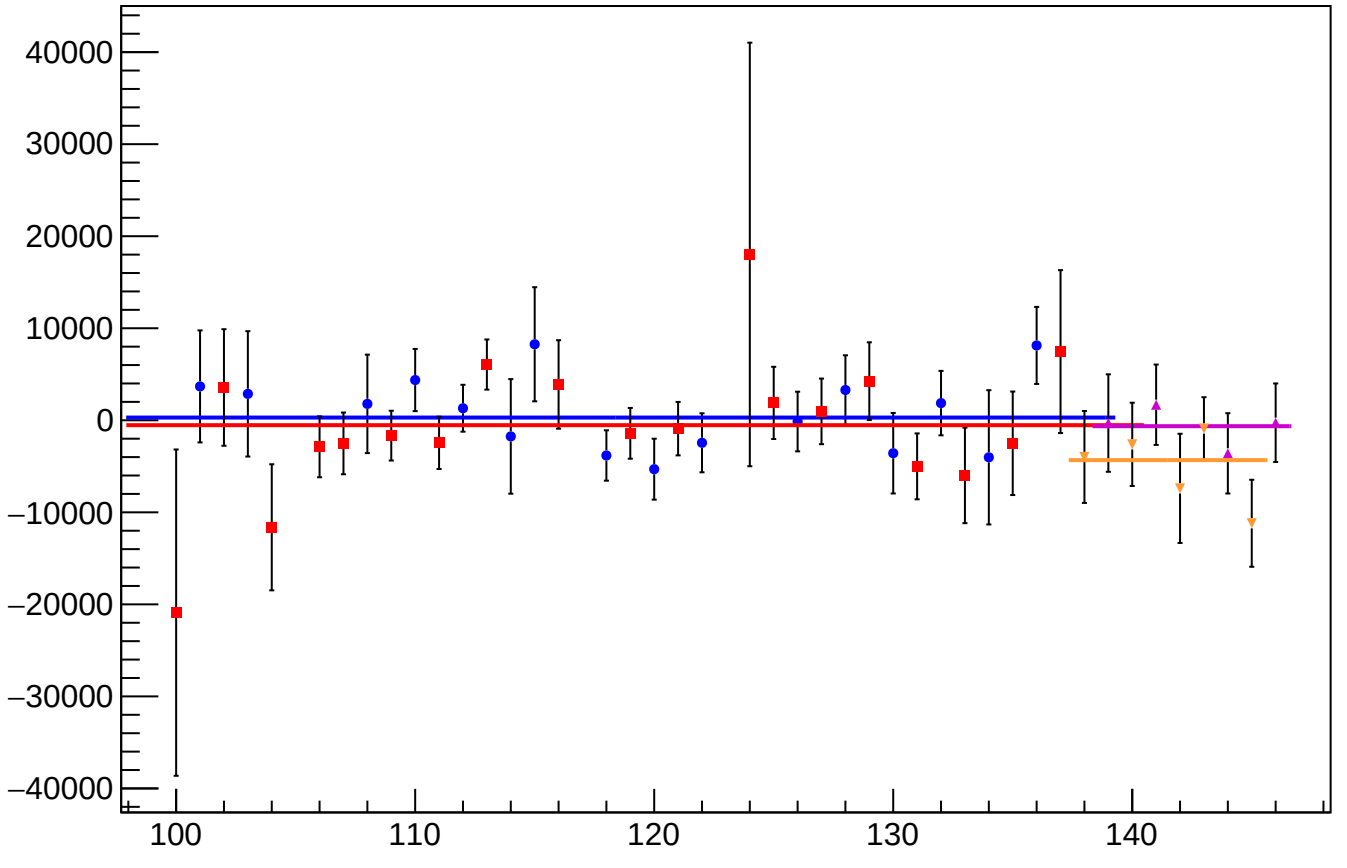
Left: 1860.243+/-0.520 χ^2/NDF: 19481.9/7

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1723.118+/-0.373 χ^2/NDF:195316.5/19

Out: 1758.583+/-0.394 χ^2/NDF:266633.9/21

All: 1739.904+/-0.271 χ^2/NDF: 466221.4/41



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -4328.461+/-2005.809 χ^2/NDF:3.5/4

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -640.687+/-2261.439 χ^2/NDF:0.8/3

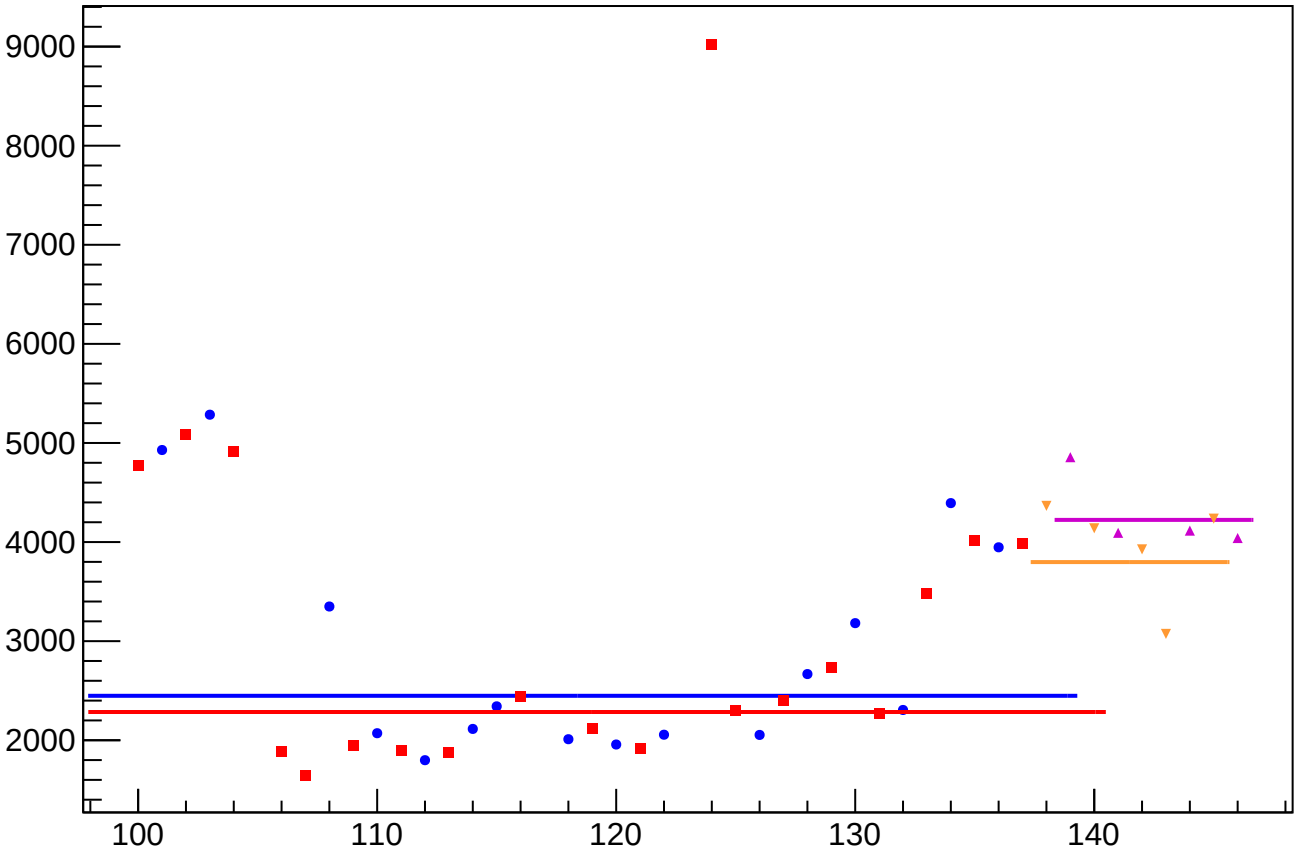
Left: -2704.700+/-1500.596 χ^2/NDF: 5.8/8

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 152.227+/-887.315 χ^2/NDF:16.2/19

Out: -1148.598+/-808.897 χ^2/NDF:25.3/23

All: -558.196+/-597.781 χ^2/NDF: 42.6/43



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3798.036+/-1.418 χ^2/NDF:146092.9/4

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4223.748+/-1.599 χ^2/NDF:35243.7/3

Left: 3985.480+/-1.061 χ^2/NDF: 221004.6/8

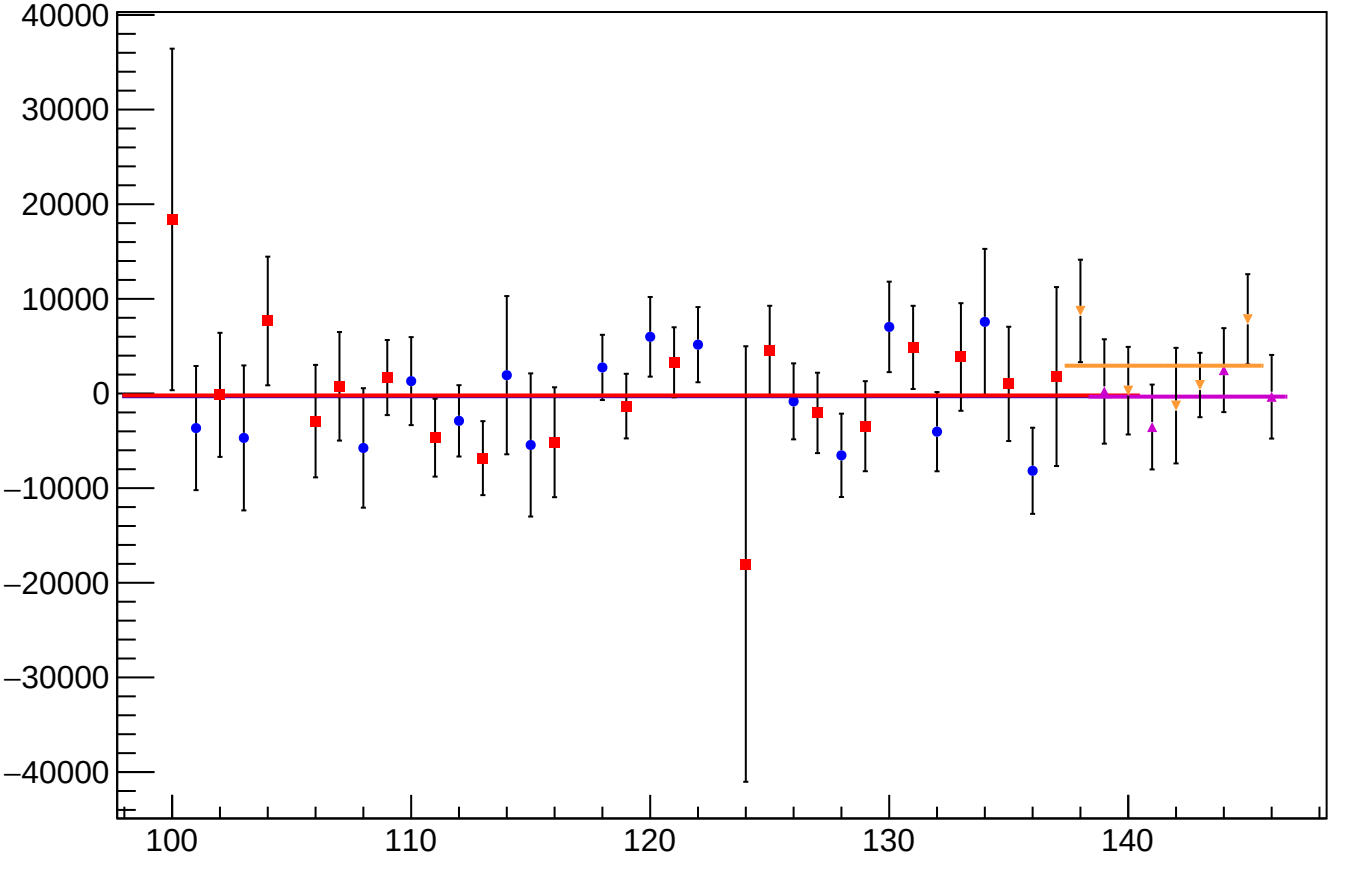
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2721.877+/-0.627 χ^2/NDF:2595472.5/19

Out: 2531.124+/-0.572 χ^2/NDF:2647776.3/23

All: 2617.701+/-0.423 χ^2/NDF: 5293728.2/43

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 2937.794+/-2049.535 χ^2/NDF:3.4/4

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: -332.172+/-2326.877 χ^2/NDF:0.9/3

Left: 1509.206+/-1537.996 χ^2/NDF: 5.4/8

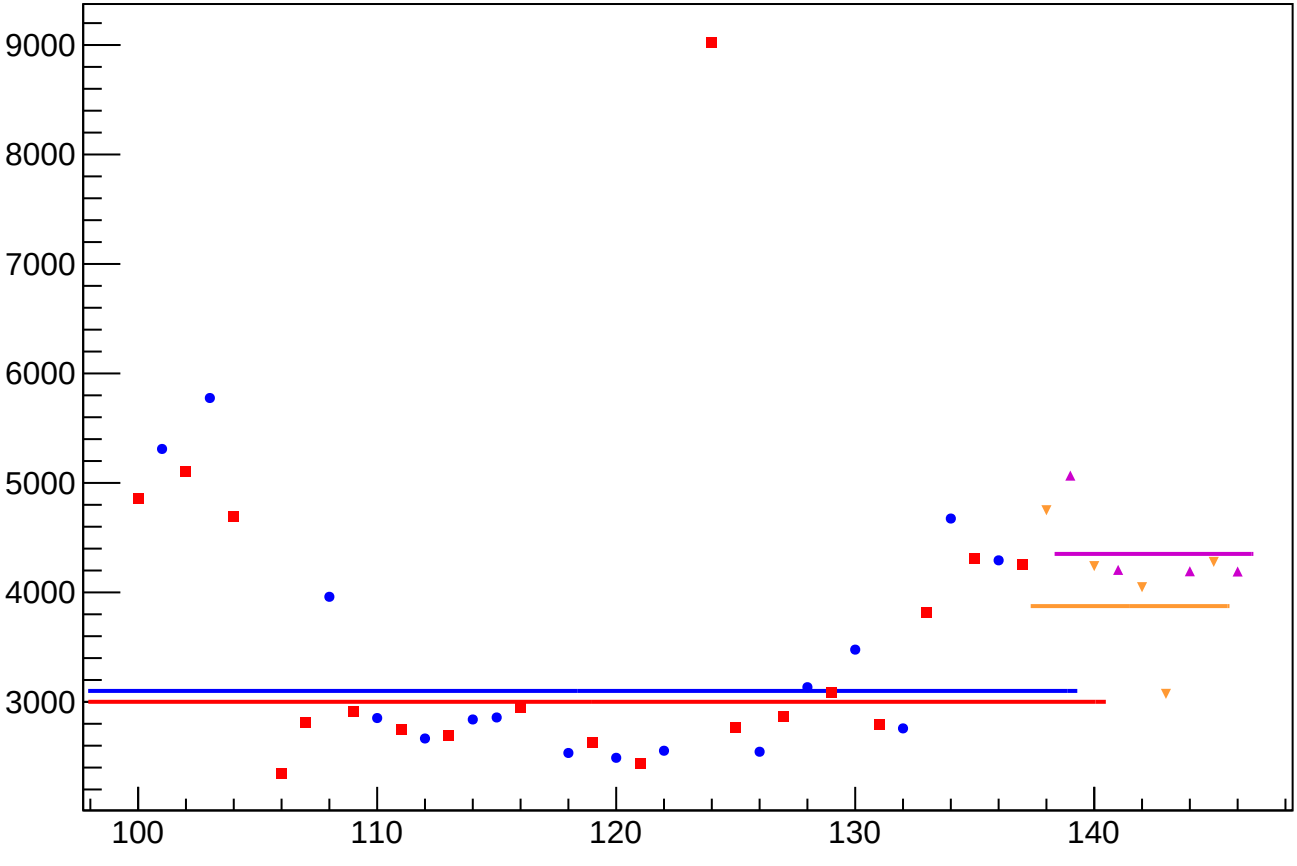
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -296.675+/-1064.656 χ^2/NDF:17.5/19

Out: 547.868+/-1005.389 χ^2/NDF:18.0/23

All: 149.757+/-730.972 χ^2/NDF: 35.8/43

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 3874.908+/-1.449 χ^2/NDF:191770.7/4

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4351.601+/-1.645 χ^2/NDF:40943.5/3

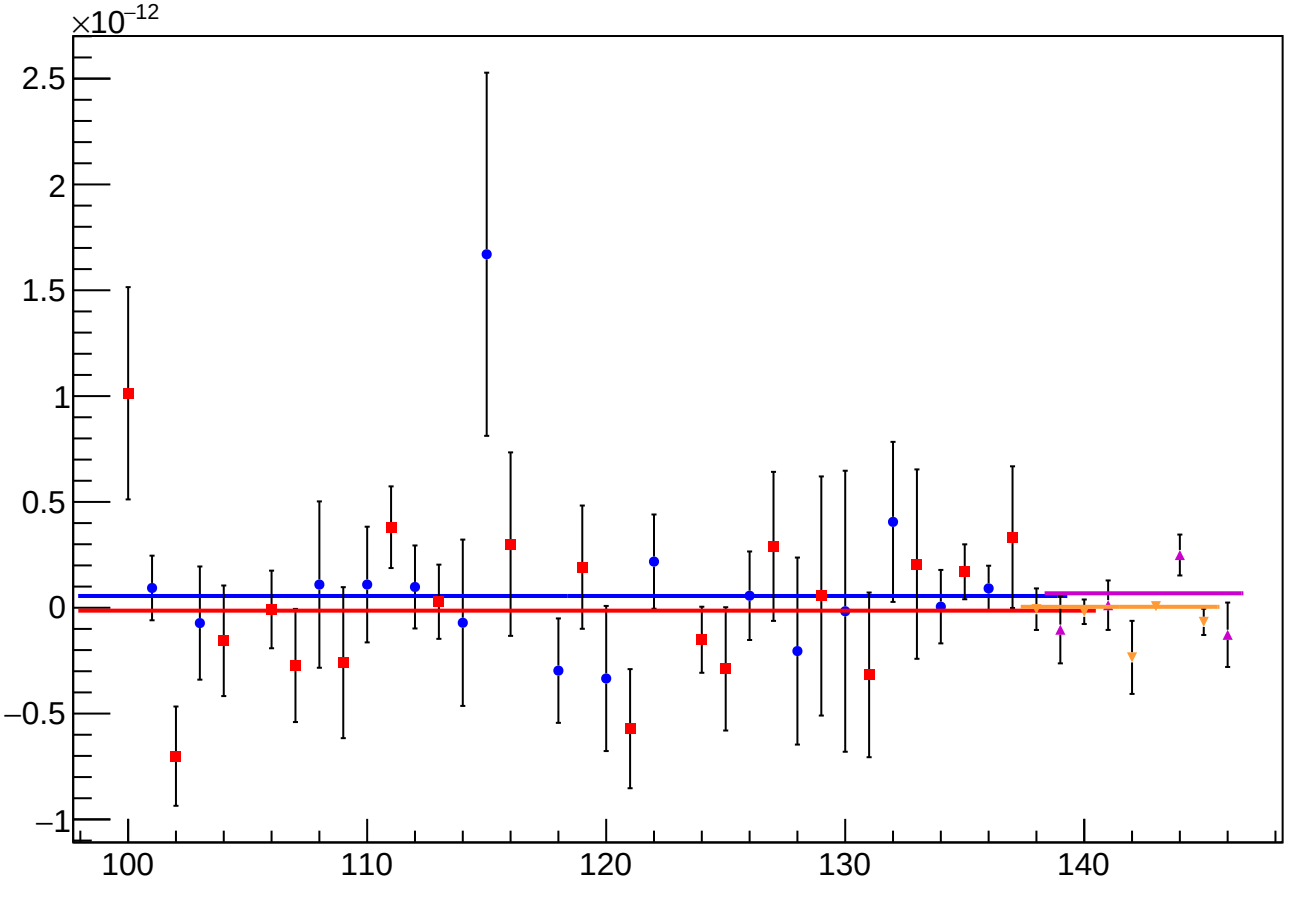
Left: 4083.166+/-1.088 χ^2/NDF: 279981.4/8

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3362.128+/-0.753 χ^2/NDF:1462023.7/19

Out: 3206.791+/-0.704 χ^2/NDF:1276446.8/23

All: 3279.215+/-0.514 χ^2/NDF: 2761195.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/3

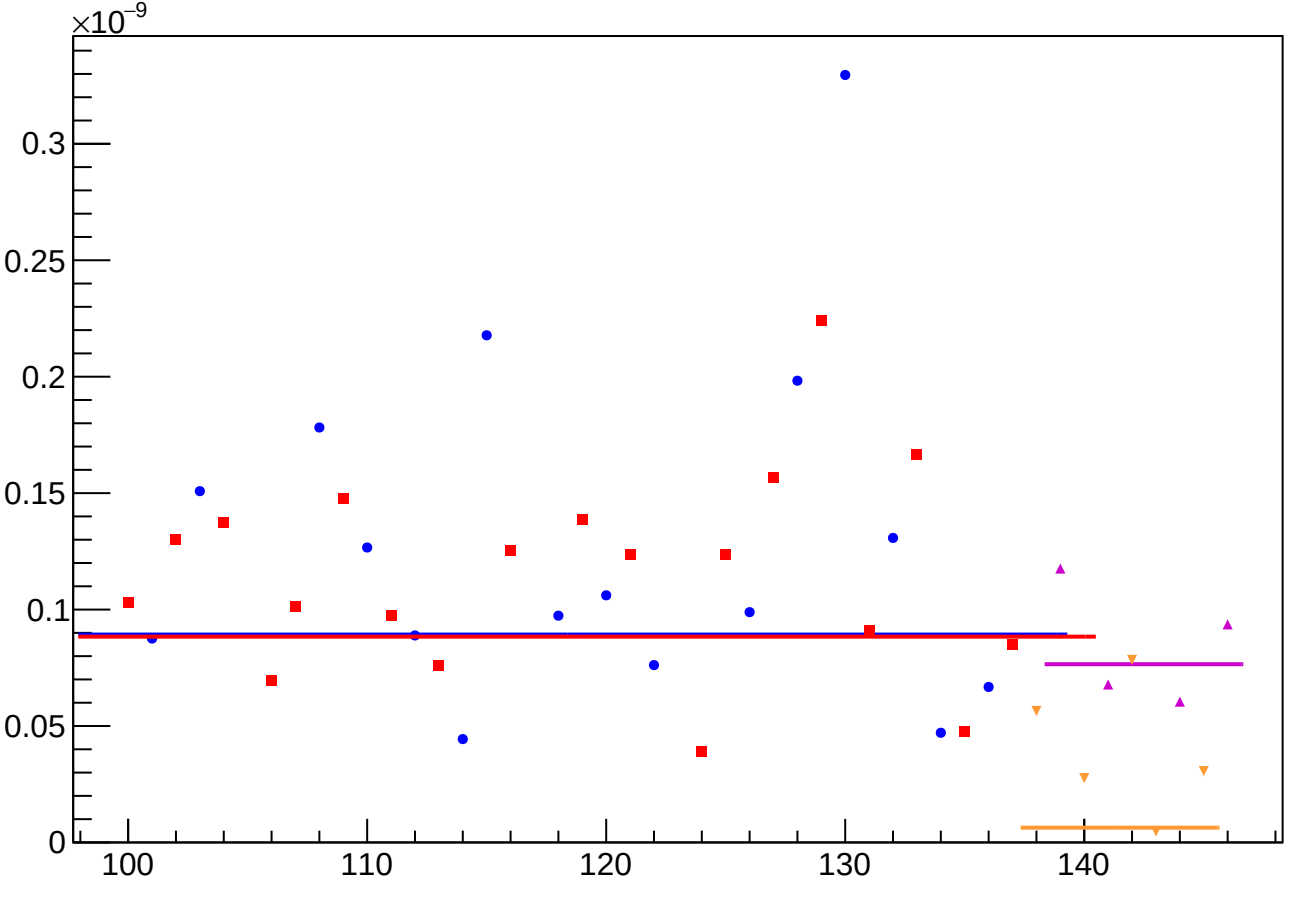
Left: 0.000+/-0.000 χ^2/NDF: 11.1/8

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:15.9/19

Out: 0.000+/-0.000 χ^2/NDF:33.6/23

All: 0.000+/-0.000 χ^2/NDF: 51.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1510516.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:224781.6/3

Left: 0.000+/-0.000 χ^2/NDF: 4274456.8/8

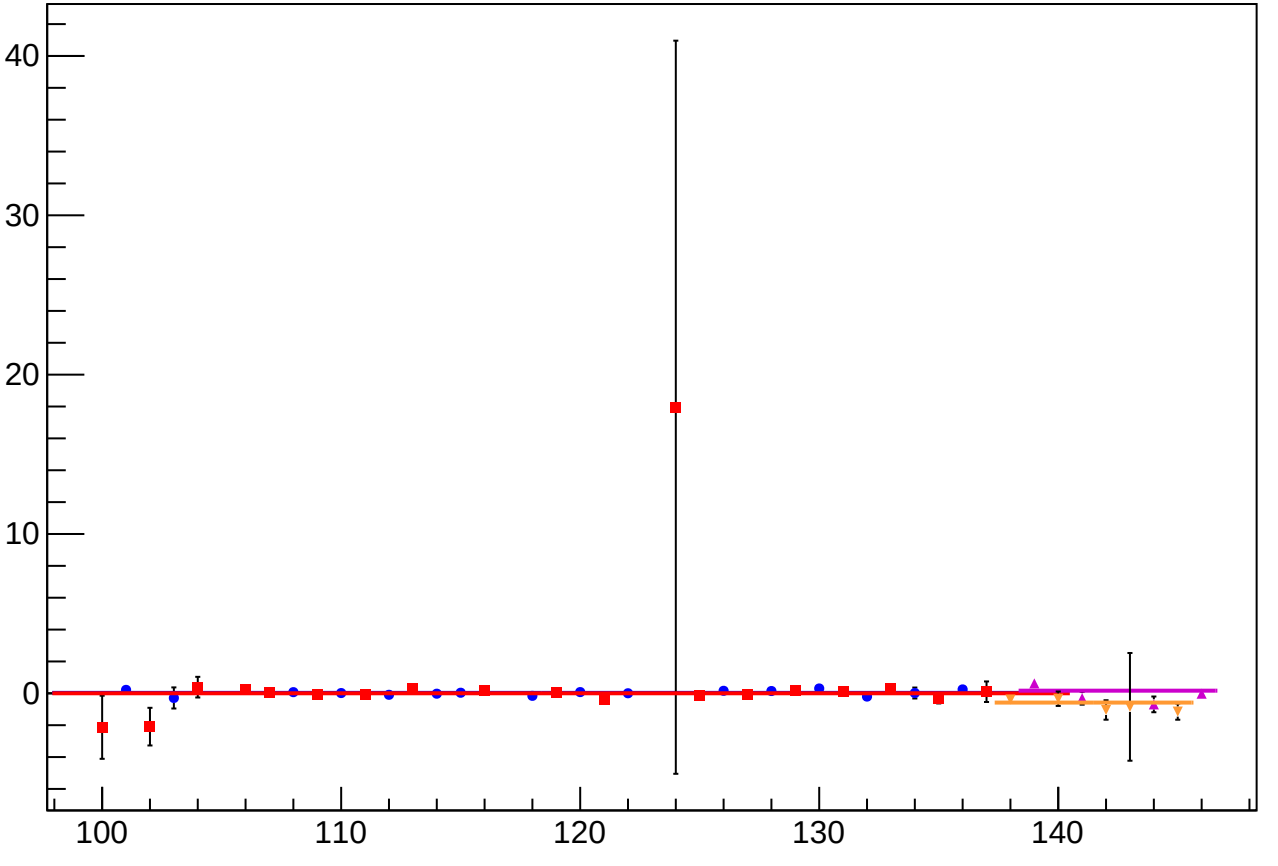
Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1220730.8/19

Out: 0.000+/-0.000 χ^2/NDF:6747119.5/23

All: 0.000+/-0.000 χ^2/NDF: 14211535.8/43

asym_atl_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.581+/-0.208 χ^2/NDF:2.5/4

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.166+/-0.158 χ^2/NDF:8.7/3

Left: -0.109+/-0.126 χ^2/NDF: 19.4/8

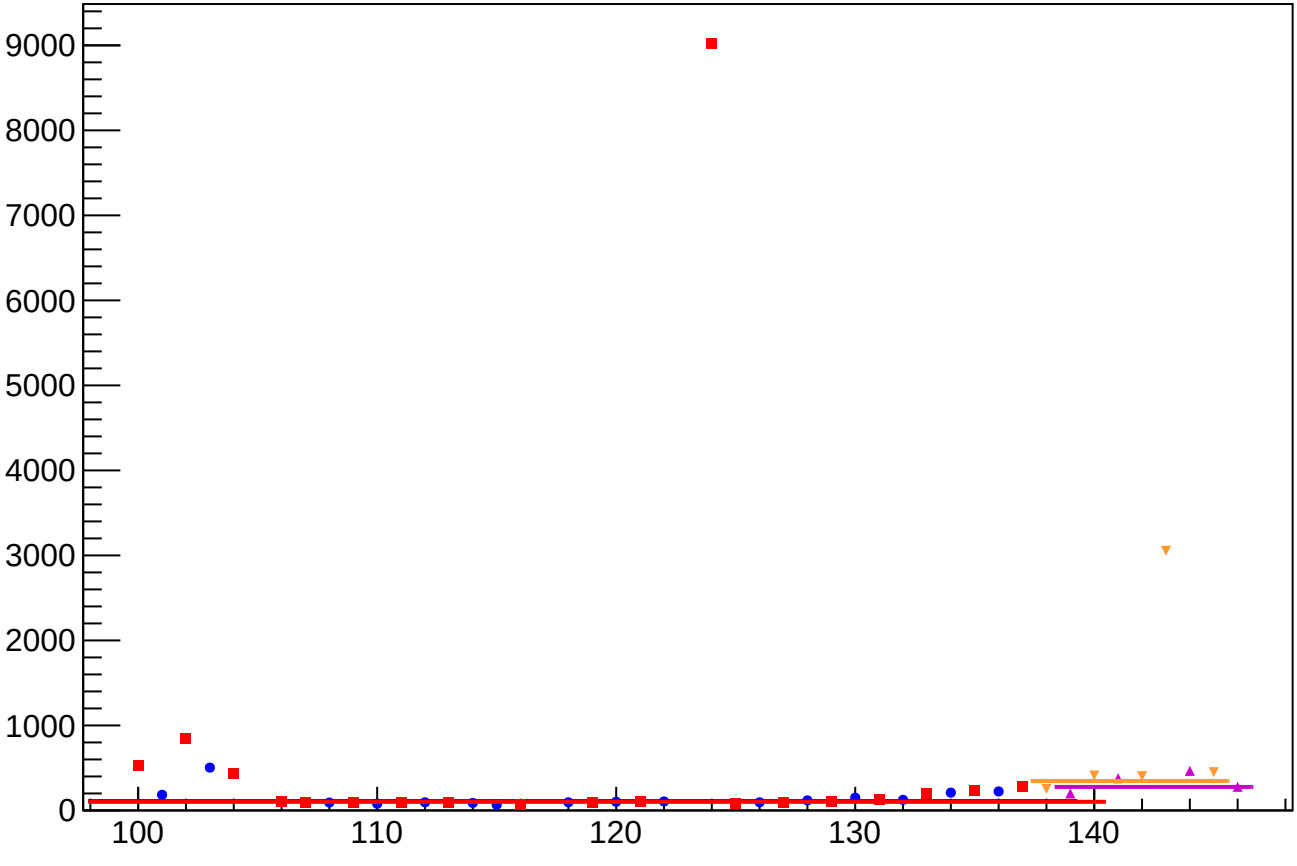
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.044 χ^2/NDF:18.2/19

Out: -0.021+/-0.042 χ^2/NDF:32.5/23

All: 0.008+/-0.030 χ^2/NDF: 51.7/43

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 347.195+/-0.147 χ^2/NDF:1624044.5/4

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 276.849+/-0.112 χ^2/NDF:639118.7/3

Left: 302.710+/-0.089 χ^2/NDF: 2408216.2/8

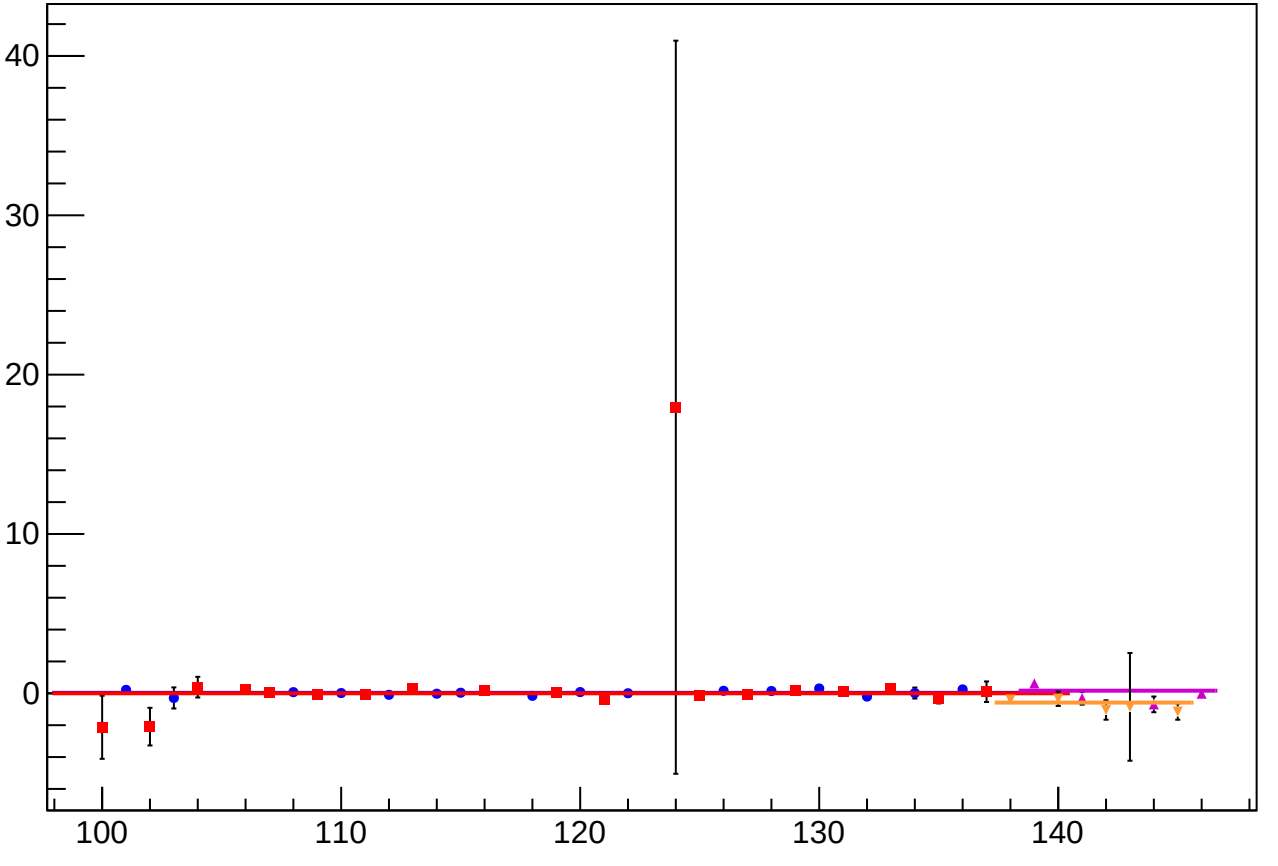
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 122.607+/-0.031 χ^2/NDF:4621791.7/19

Out: 112.101+/-0.030 χ^2/NDF:6887388.6/23

All: 117.220+/-0.021 χ^2/NDF: 11568850.5/43

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.581+/-0.208 χ^2/NDF:2.5/4

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.166+/-0.158 χ^2/NDF:8.7/3

Left: -0.109+/-0.126 χ^2/NDF: 19.4/8

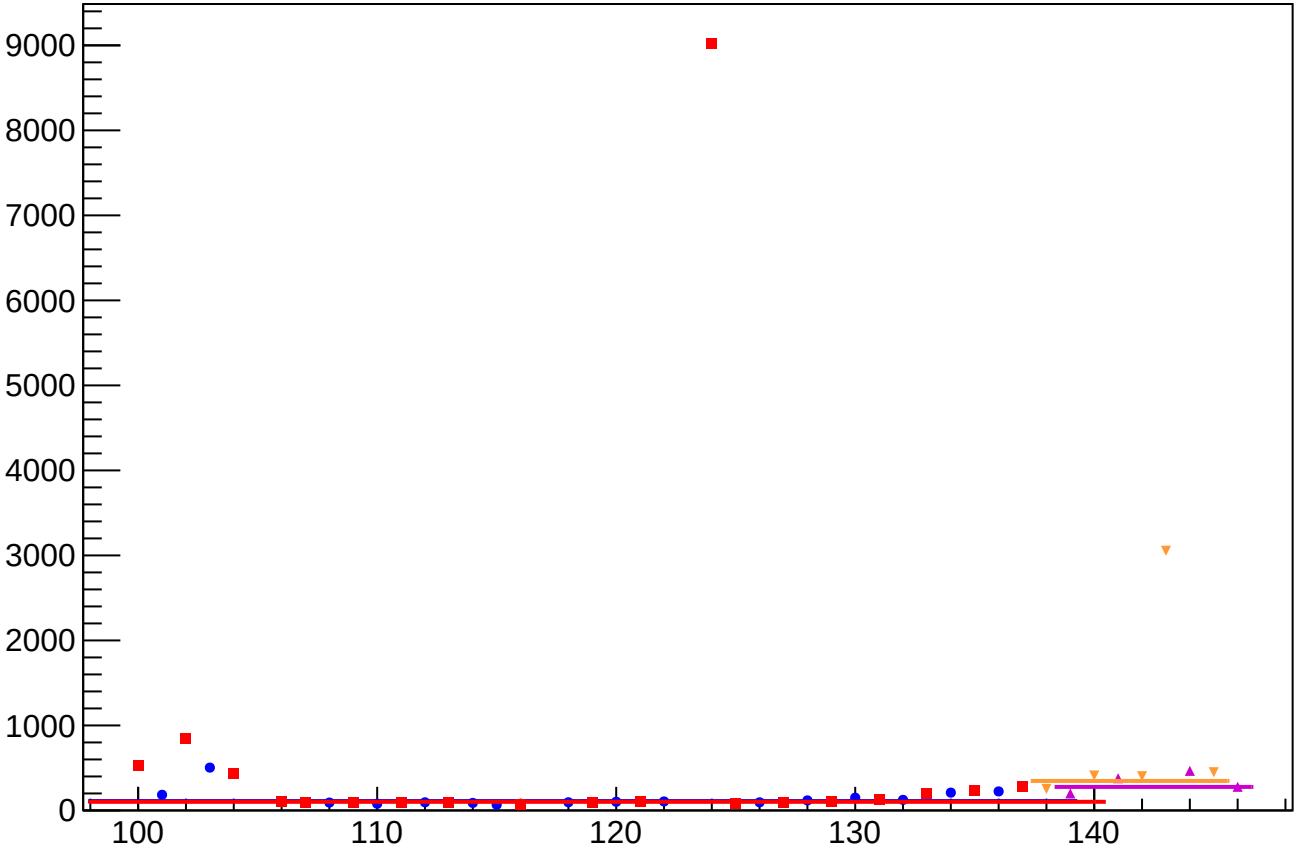
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.044 χ^2/NDF:18.2/19

Out: -0.021+/-0.042 χ^2/NDF:32.5/23

All: 0.008+/-0.030 χ^2/NDF: 51.7/43

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: 347.195+/-0.147 χ^2/NDF:1624044.5/4

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 276.849+/-0.112 χ^2/NDF:639118.7/3

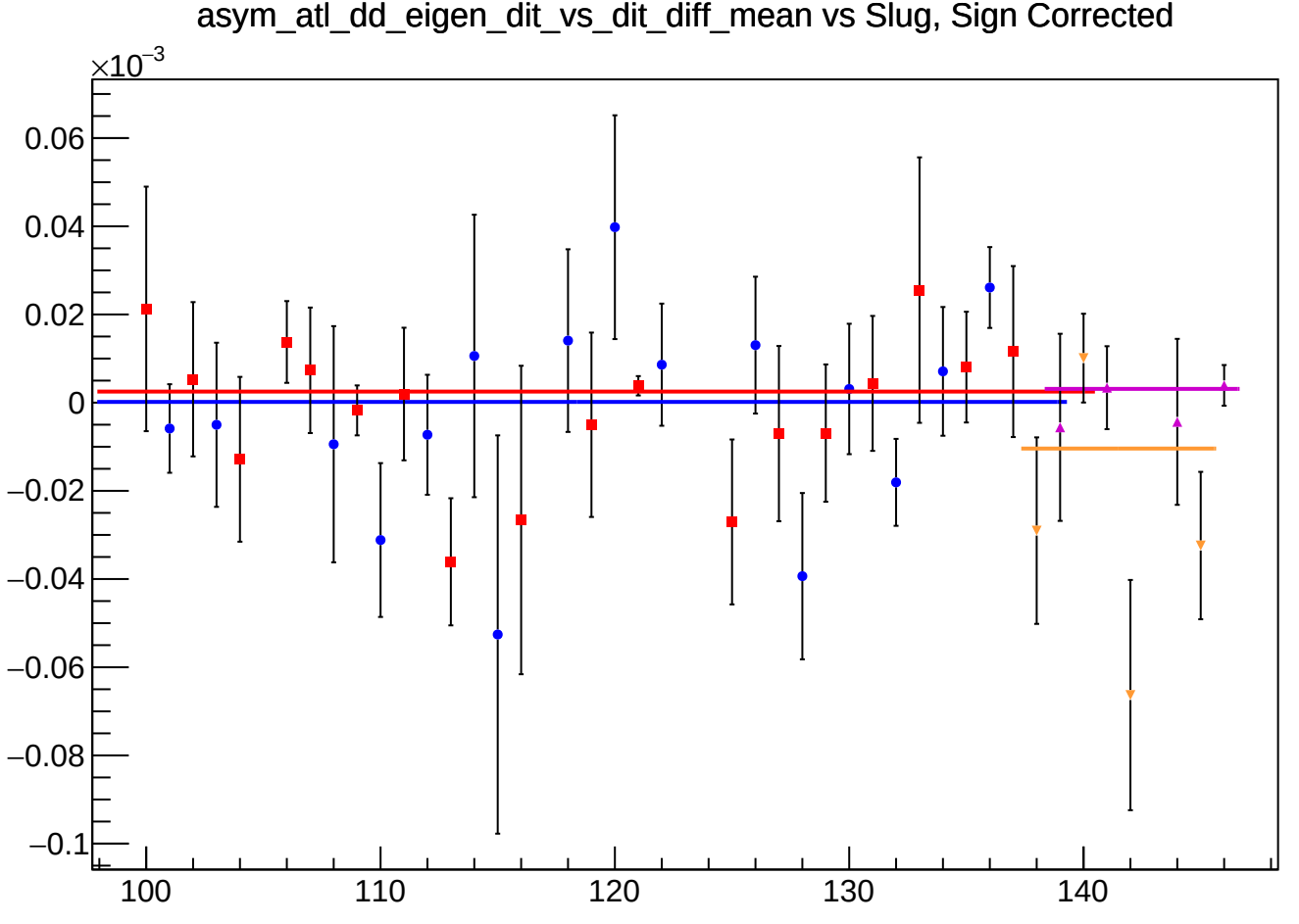
Left: 302.710+/-0.089 χ^2/NDF: 2408216.2/8

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 122.607+/-0.031 χ^2/NDF:4621791.7/19

Out: 112.101+/-0.030 χ^2/NDF:6887388.6/23

All: 117.220+/-0.021 χ^2/NDF: 11568850.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.4/3

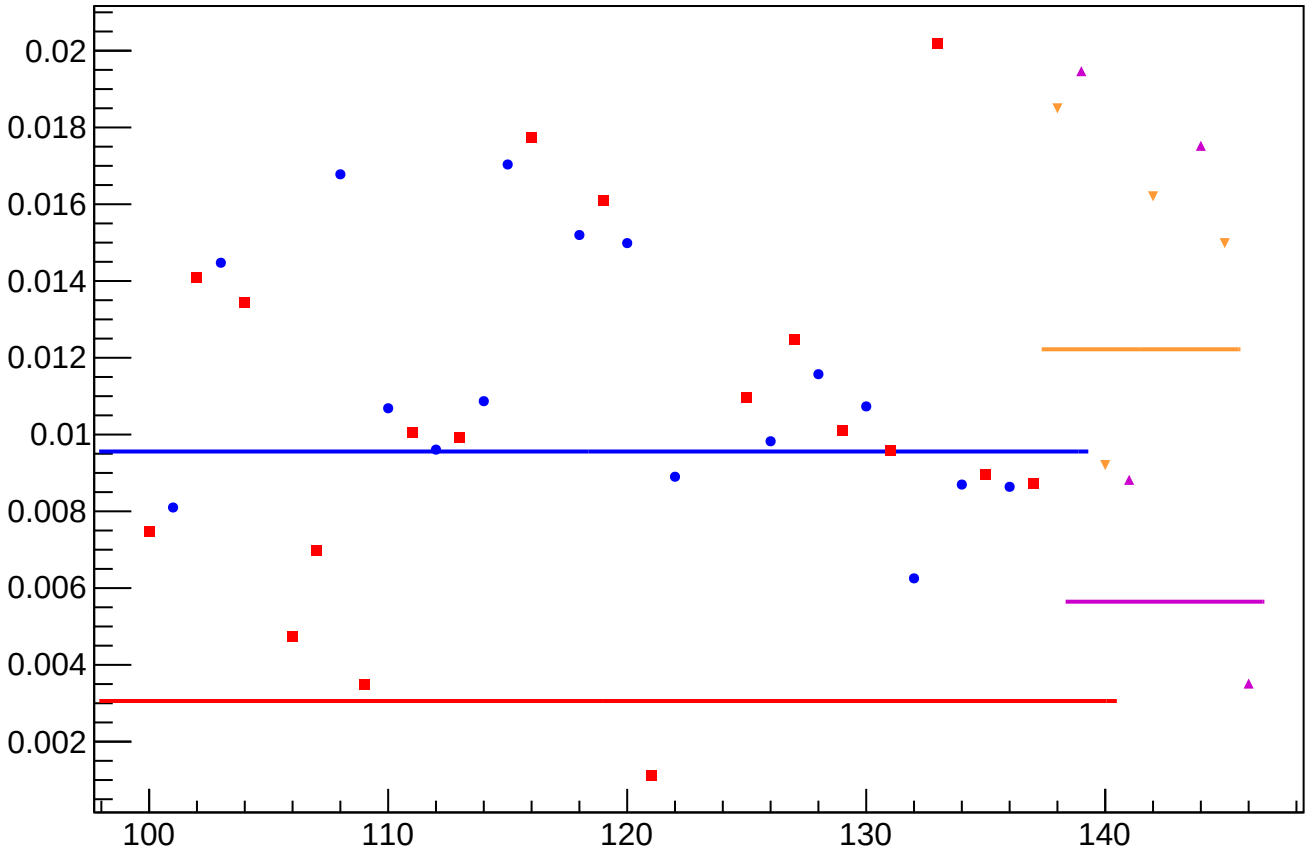
Left: 0.000+/-0.000 χ^2/NDF: 14.1/7

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: 0.000+/-0.000 χ^2/NDF:26.2/19

Out: 0.000+/-0.000 χ^2/NDF:29.7/21

All: 0.000+/-0.000 χ^2/NDF: 56.0/41



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:457265.6/3

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.006+/-0.000 χ^2/NDF:2299775.0/3

Left: 0.007+/-0.000 χ^2/NDF: 3924104.1/7

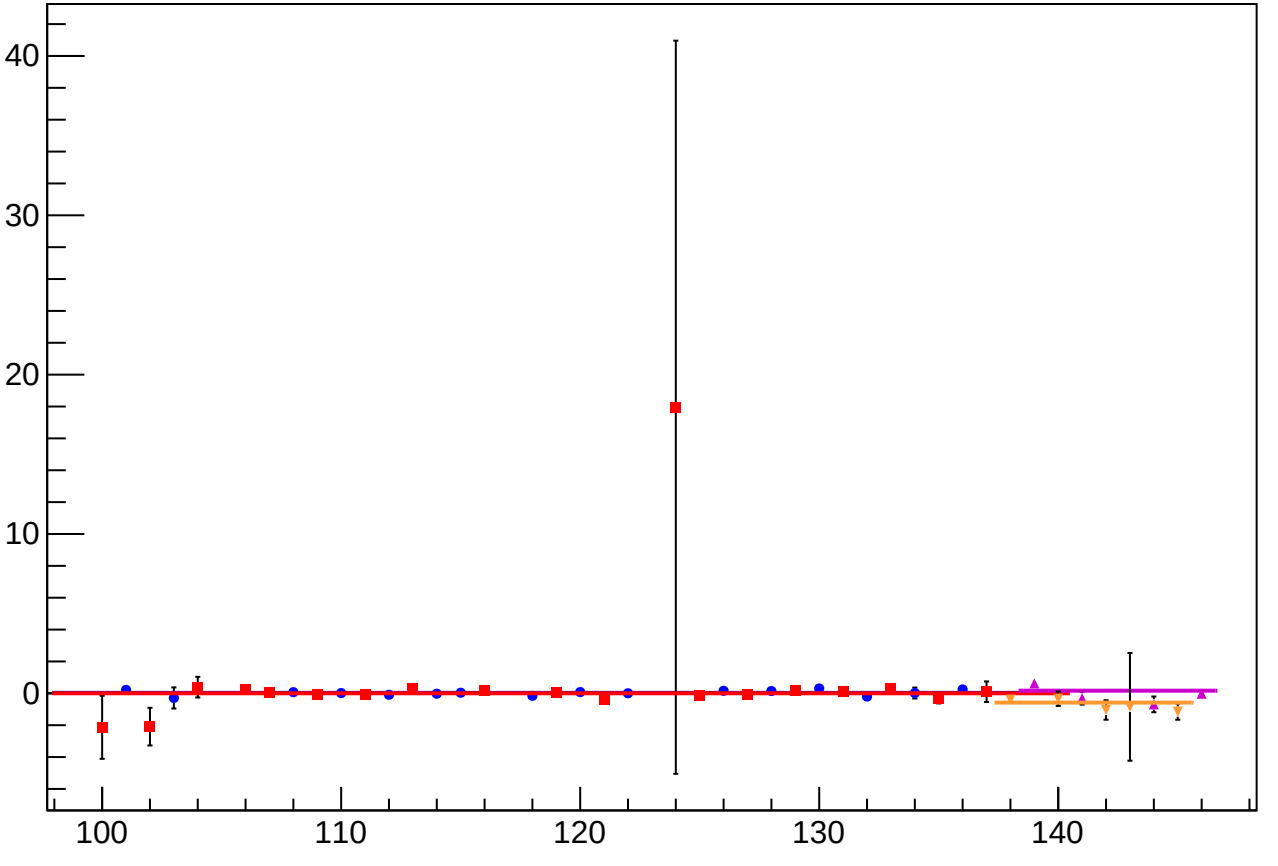
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.008+/-0.000 χ^2/NDF:4256409.6/19

Out: 0.004+/-0.000 χ^2/NDF:11303792.2/21

All: 0.005+/-0.000 χ^2/NDF: 18854160.9/41

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: -0.581+/-0.208 χ^2/NDF:2.5/4

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.166+/-0.158 χ^2/NDF:8.7/3

Left: -0.109+/-0.126 χ^2/NDF: 19.4/8

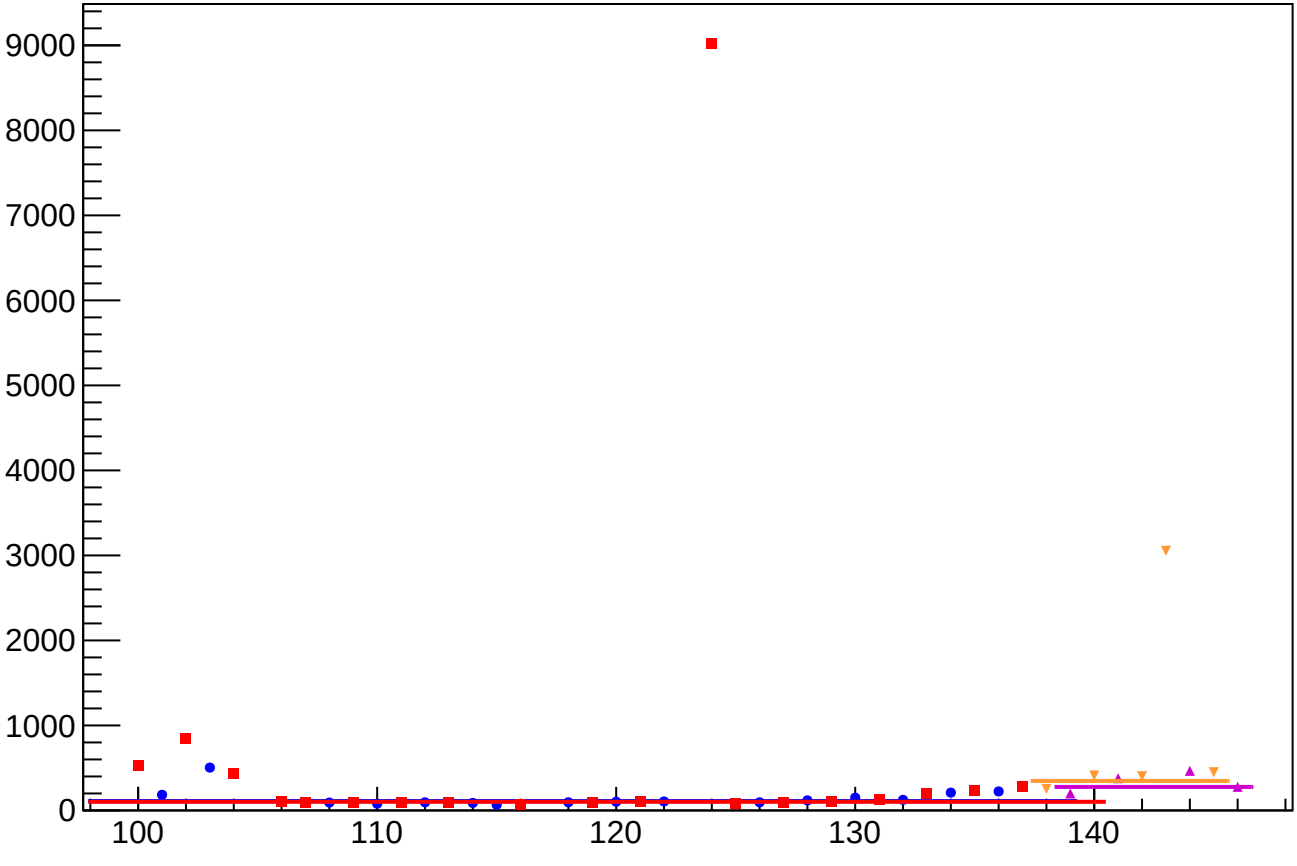
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.044 χ^2/NDF:18.2/19

Out: -0.021+/-0.042 χ^2/NDF:32.5/23

All: 0.008+/-0.030 χ^2/NDF: 51.7/43

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: 347.200+/-0.147 χ^2/NDF:1624054.0/4

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.855+/-0.112 χ^2/NDF:639093.5/3

Left: 302.716+/-0.089 χ^2/NDF: 2408192.1/8

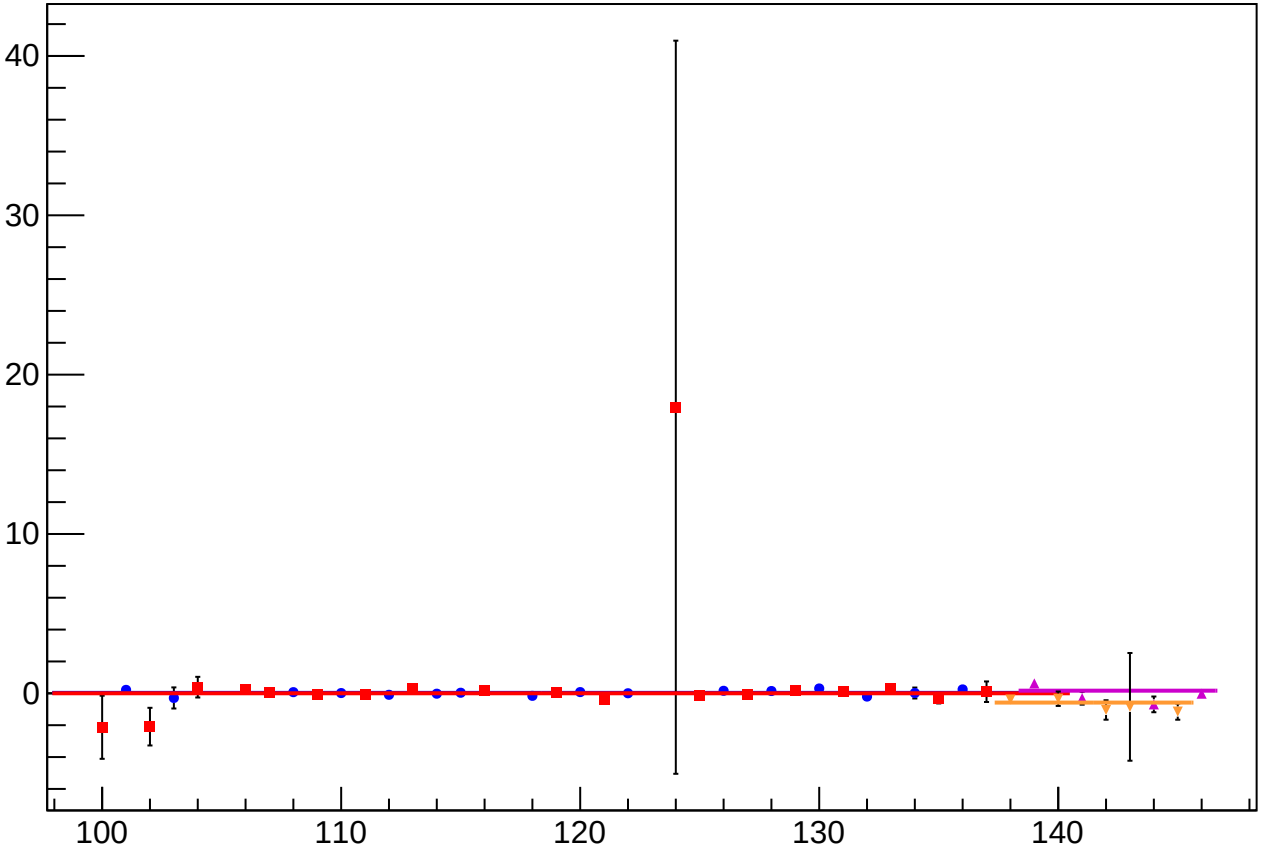
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 122.608+/-0.031 χ^2/NDF:4621743.9/19

Out: 112.103+/-0.030 χ^2/NDF:6887320.8/23

All: 117.221+/-0.021 χ^2/NDF: 11568729.7/43

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: -0.581+/-0.208 χ^2/NDF:2.5/4

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.166+/-0.158 χ^2/NDF:8.7/3

Left: -0.109+/-0.126 χ^2/NDF: 19.4/8

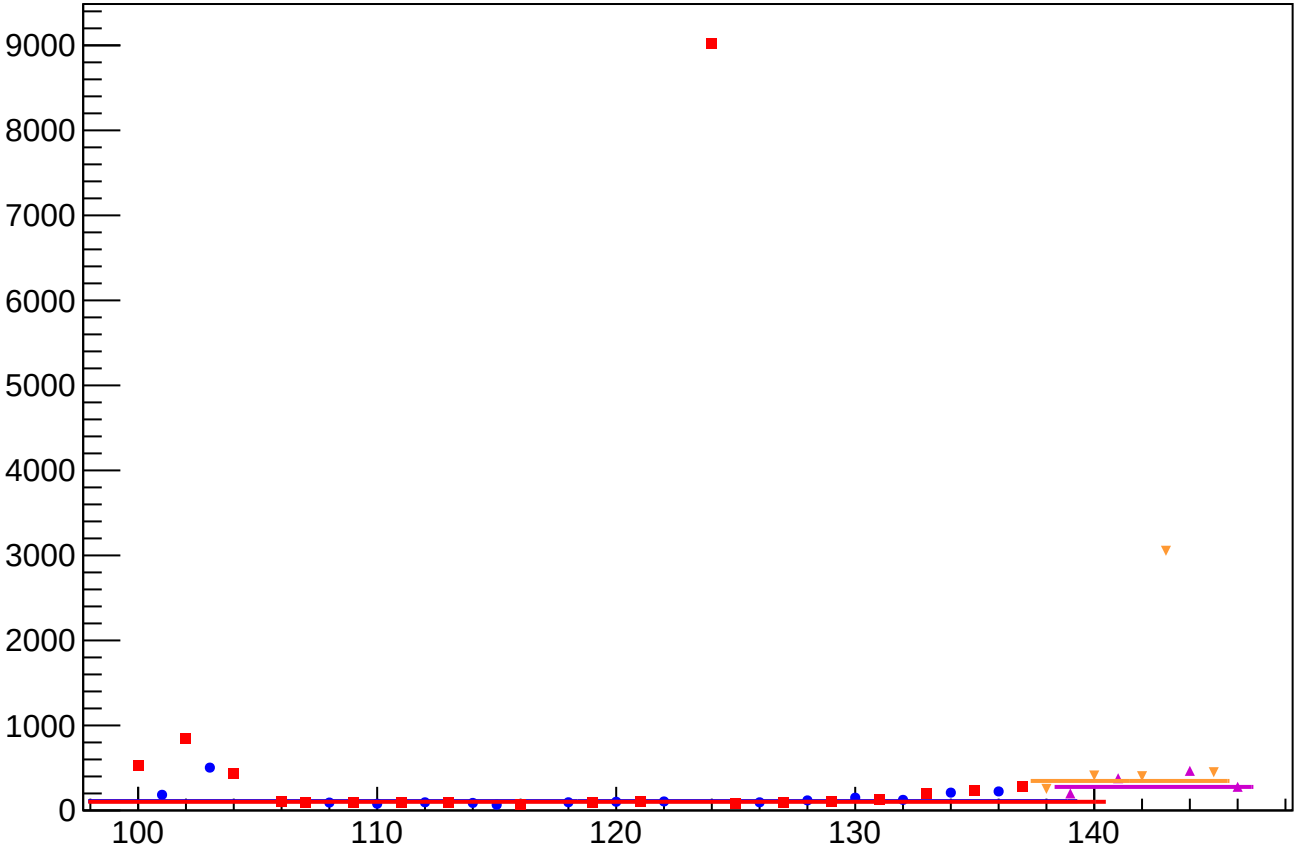
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.044 χ^2/NDF:18.2/19

Out: -0.021+/-0.042 χ^2/NDF:32.5/23

All: 0.008+/-0.030 χ^2/NDF: 51.7/43

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: 347.200+/-0.147 χ^2/NDF:1624054.0/4

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.855+/-0.112 χ^2/NDF:639093.5/3

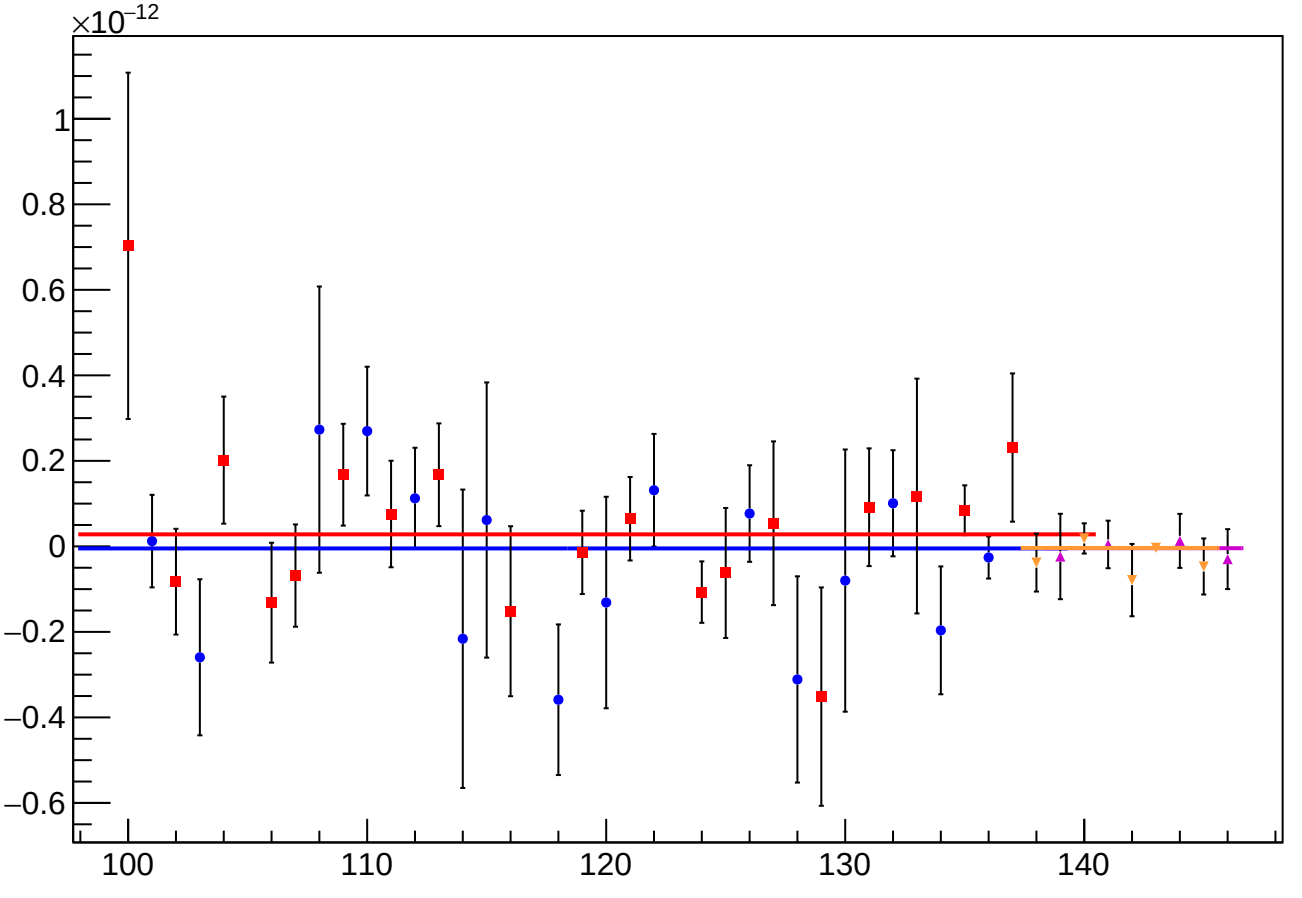
Left: 302.716+/-0.089 χ^2/NDF: 2408192.1/8

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 122.608+/-0.031 χ^2/NDF:4621743.9/19

Out: 112.103+/-0.030 χ^2/NDF:6887320.8/23

All: 117.221+/-0.021 χ^2/NDF: 11568729.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/3

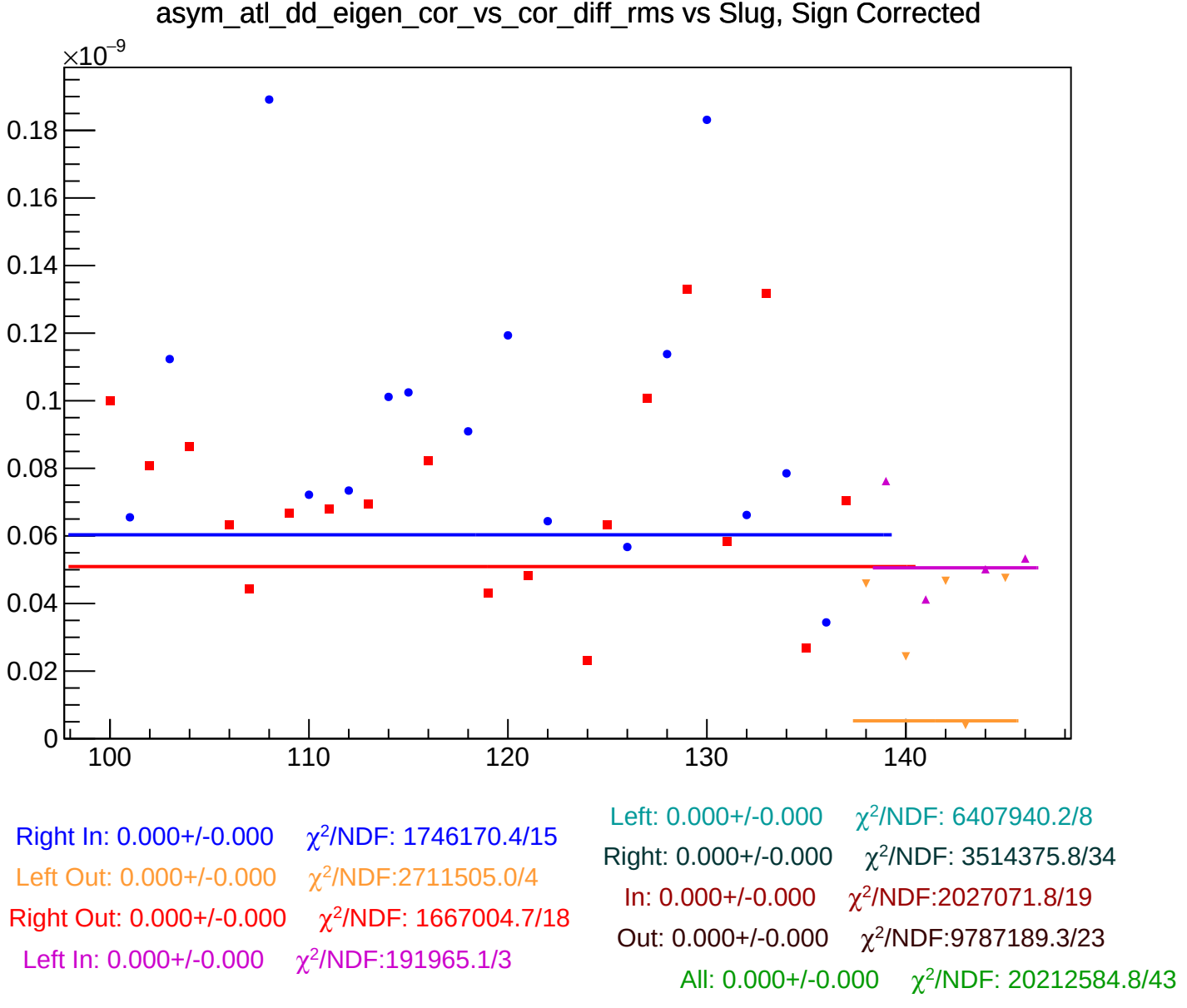
Left: -0.000+/-0.000 χ^2/NDF: 2.2/8

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

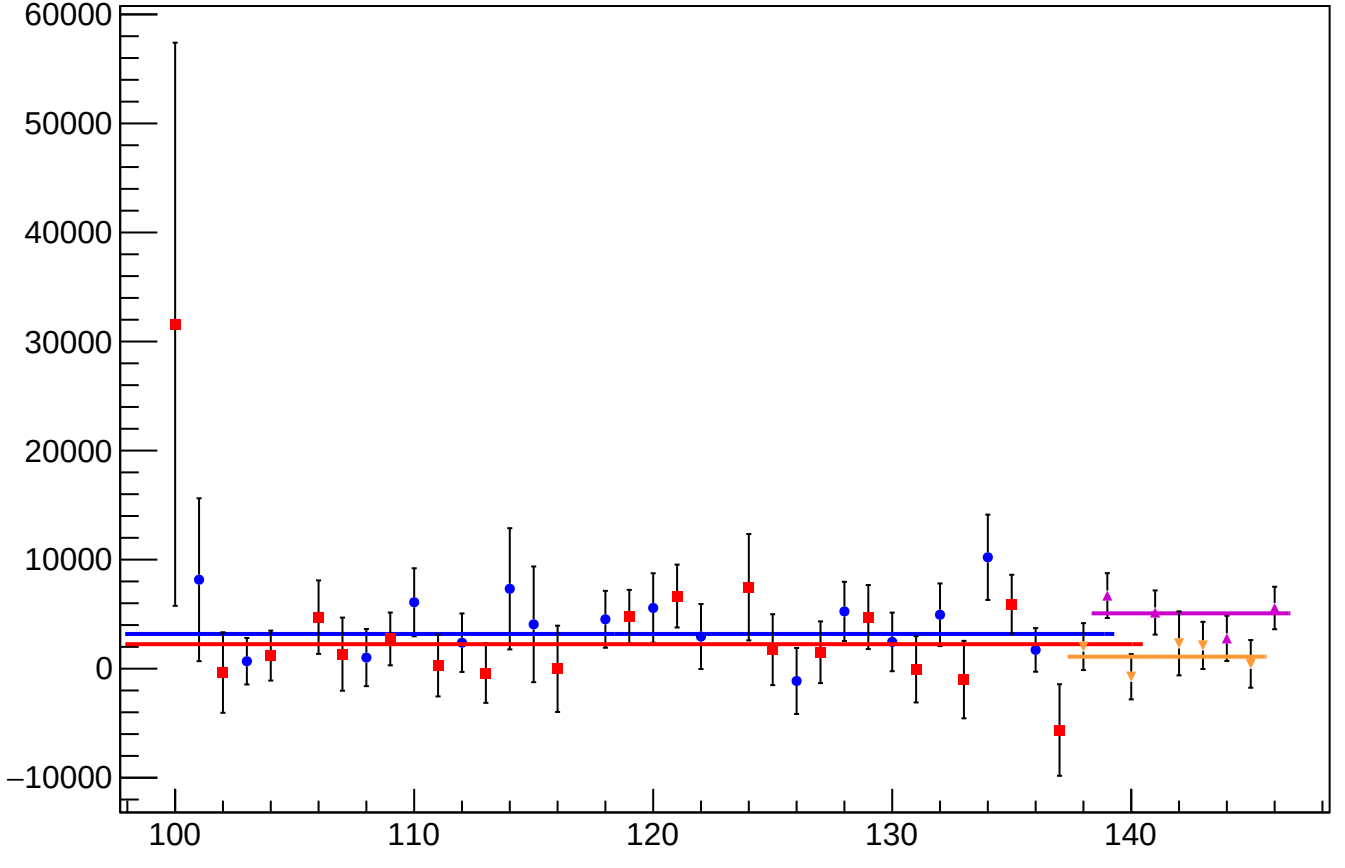
In: -0.000+/-0.000 χ^2/NDF:17.8/19

Out: -0.000+/-0.000 χ^2/NDF:22.8/23

All: -0.000+/-0.000 χ^2/NDF: 40.6/43


asym_atl_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
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2711505.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:191965.1/3
Left: 0.000+/-0.000 χ²/NDF: 6407940.2/8
Right: 0.000+/-0.000 χ²/NDF: 3514375.8/34
In: 0.000+/-0.000 χ²/NDF:2027071.8/19
Out: 0.000+/-0.000 χ²/NDF:9787189.3/23
All: 0.000+/-0.000 χ²/NDF: 20212584.8/43

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1098.421+/-1006.885 χ^2/NDF:1.5/4

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 5074.330+/-1012.551 χ^2/NDF:1.9/3

Left: 3075.221+/-713.970 χ^2/NDF: 11.1/8

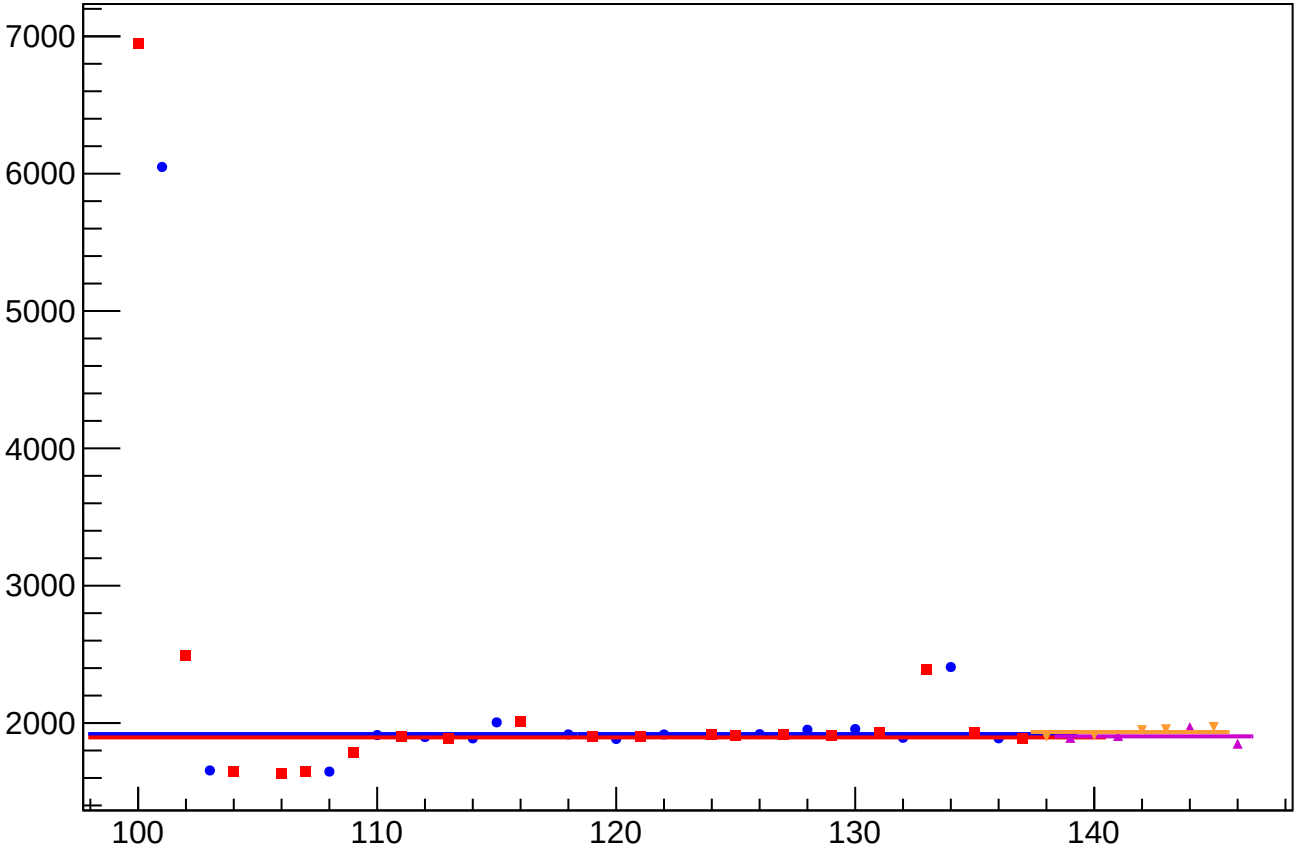
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3831.630+/-592.757 χ^2/NDF:15.9/19

Out: 1864.274+/-580.746 χ^2/NDF:18.8/23

All: 2827.818+/-414.831 χ^2/NDF: 40.4/43

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1934.803+/-0.712 χ^2/NDF:1577.5/4

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

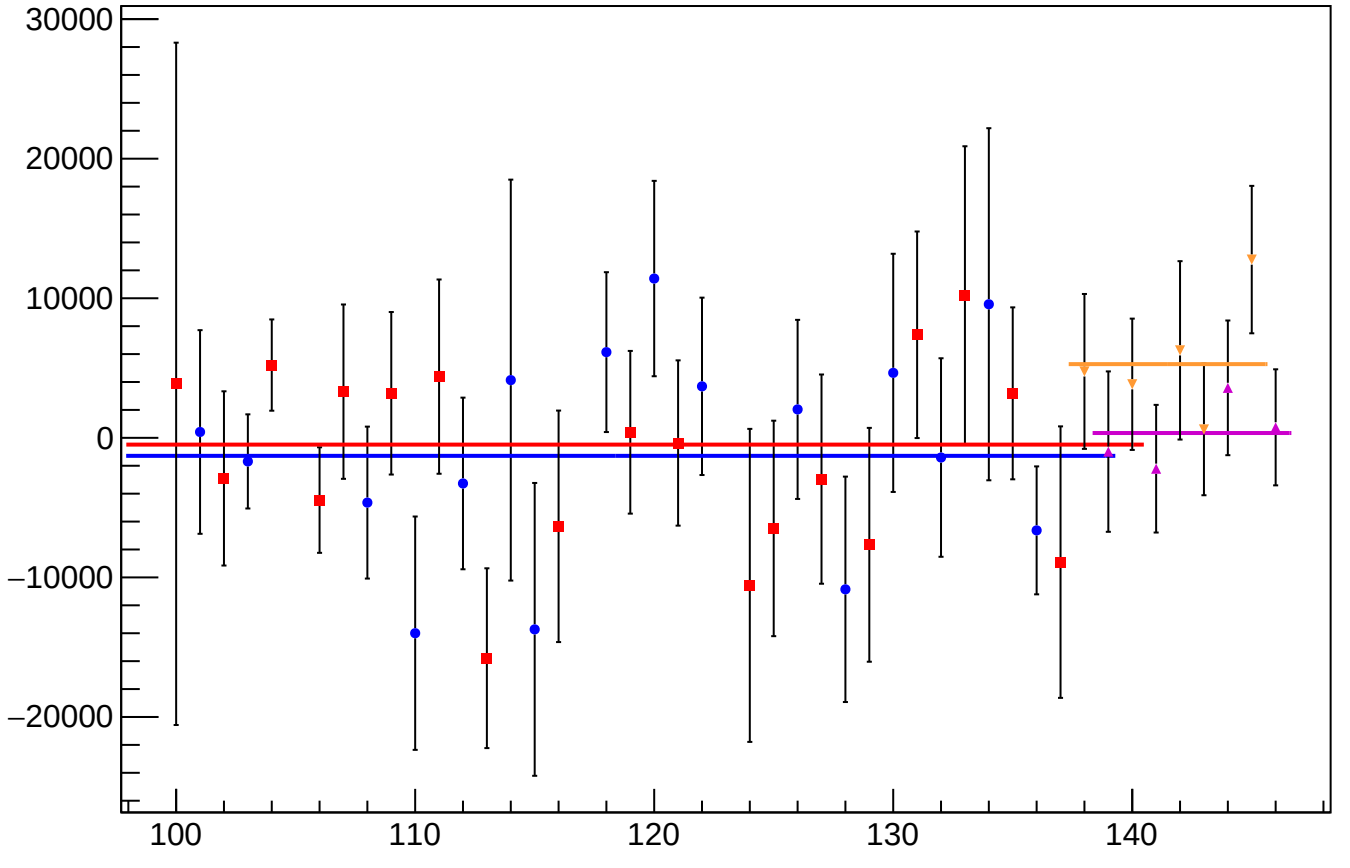
Left: 1918.970+/-0.505 χ^2/NDF: 6254.7/8

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1914.046+/-0.419 χ^2/NDF:701379.0/19

Out: 1908.422+/-0.410 χ^2/NDF:225904.0/23

All: 1911.170+/-0.293 χ^2/NDF: 927375.1/43



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 5280.987+/-2337.751 χ^2/NDF:3.1/4

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 345.188+/-2364.185 χ^2/NDF:0.8/3

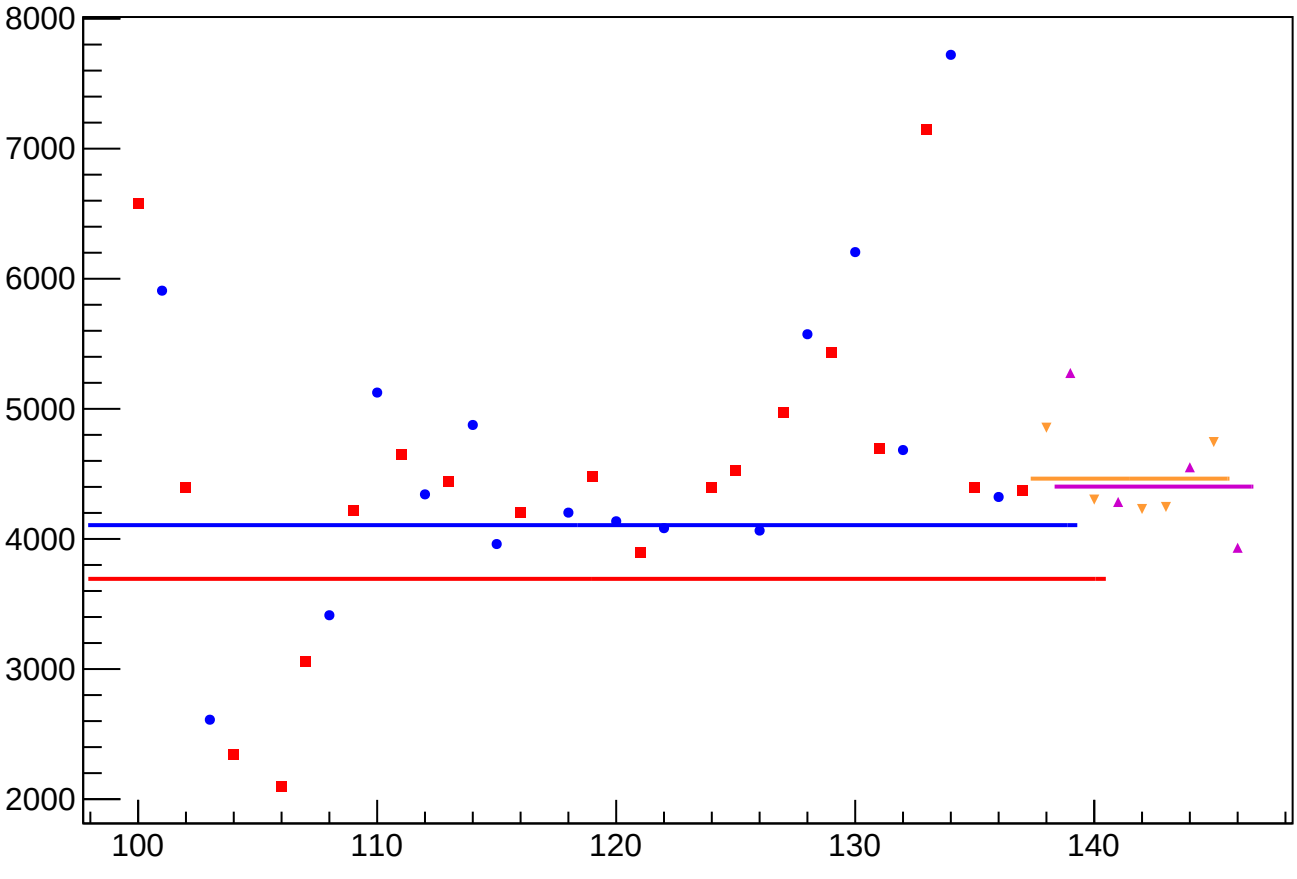
Left: 2840.835+/-1662.307 χ^2/NDF: 6.2/8

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -783.095+/-1316.762 χ^2/NDF:15.4/19

Out: 1096.797+/-1224.498 χ^2/NDF:24.8/23

All: 225.013+/-896.696 χ^2/NDF: 41.3/43



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4463.582+/-1.653 χ^2/NDF:24898.6/4

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4402.380+/-1.672 χ^2/NDF:74983.9/3

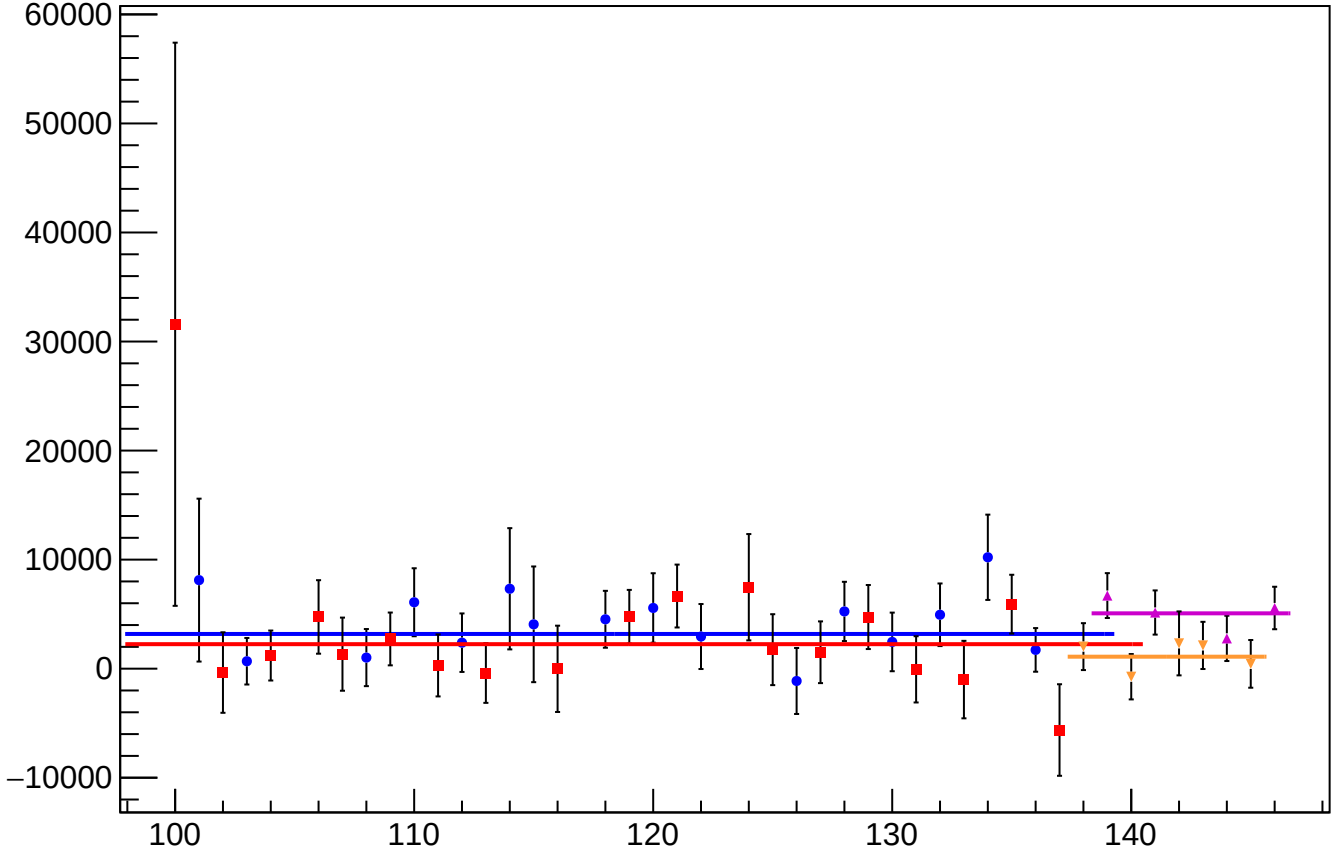
Left: 4433.325+/-1.175 χ^2/NDF: 100560.2/8

Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4198.037+/-0.931 χ^2/NDF:1052774.8/19

Out: 3904.610+/-0.866 χ^2/NDF:1539118.8/23

All: 4040.684+/-0.634 χ^2/NDF: 2645152.3/43



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1098.556+/-1006.885 χ^2/NDF:1.5/4

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 5074.645+/-1012.551 χ^2/NDF:1.9/3

Left: 3075.446+/-713.970 χ^2/NDF: 11.1/8

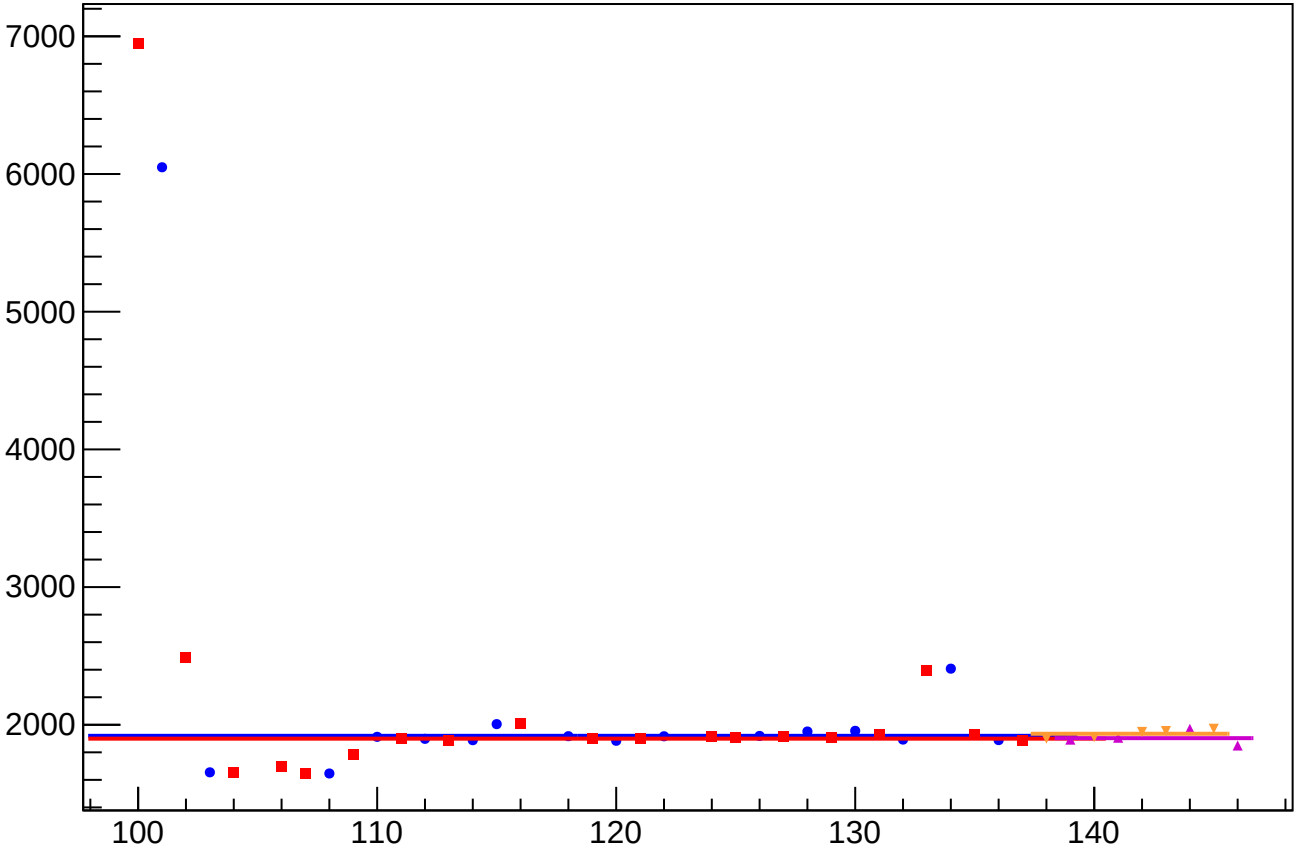
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3831.258+/-592.757 χ^2/NDF:15.9/19

Out: 1865.074+/-580.748 χ^2/NDF:18.8/23

All: 2828.048+/-414.832 χ^2/NDF: 40.4/43

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1934.803+/-0.712 χ^2/NDF:1577.5/4

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

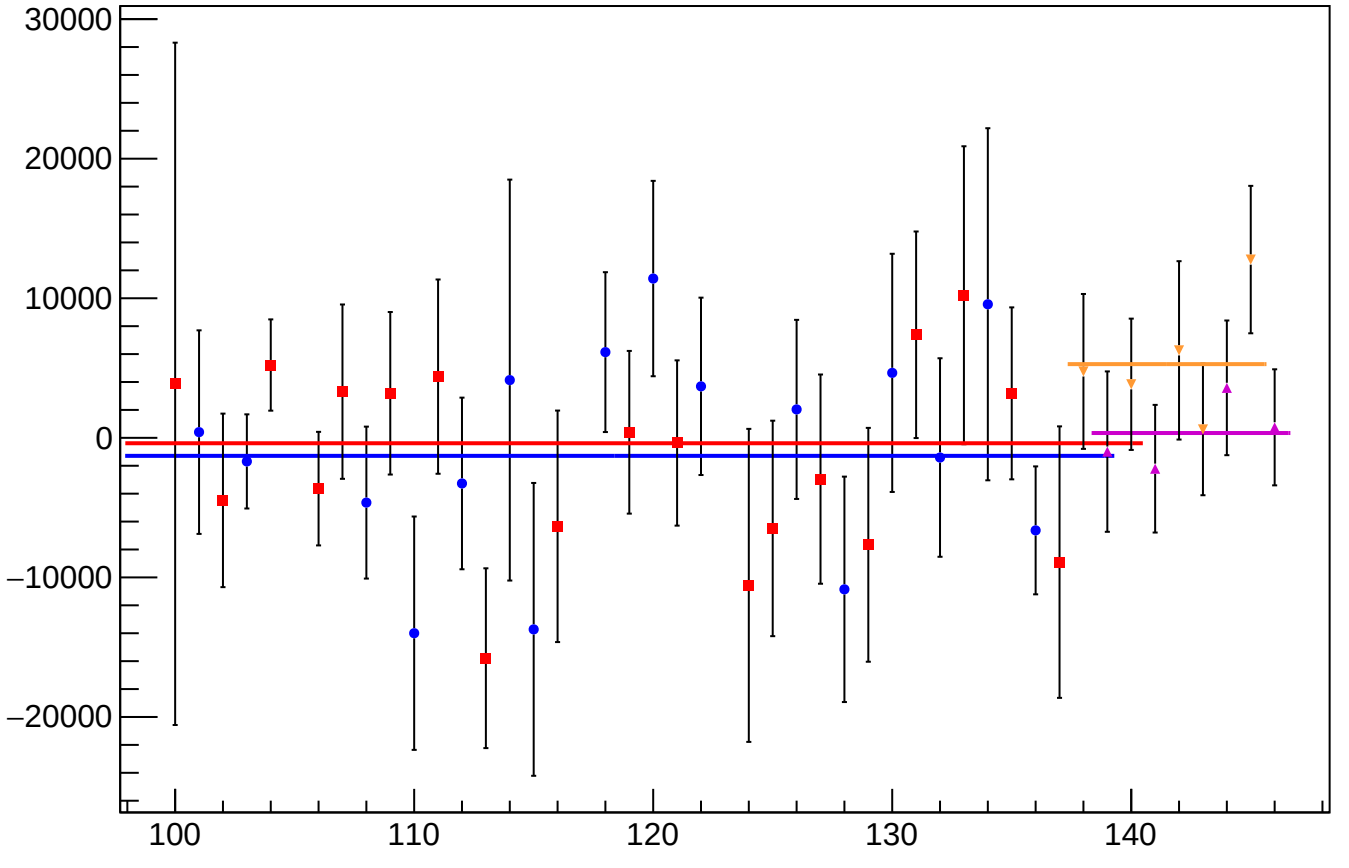
Left: 1918.970+/-0.505 χ^2/NDF: 6254.7/8

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1914.047+/-0.419 χ^2/NDF:701378.2/19

Out: 1911.128+/-0.410 χ^2/NDF:218886.7/23

All: 1912.556+/-0.293 χ^2/NDF: 920289.6/43



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 5281.070+/-2337.740 χ^2/NDF:3.1/4

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 345.233+/-2364.190 χ^2/NDF:0.8/3

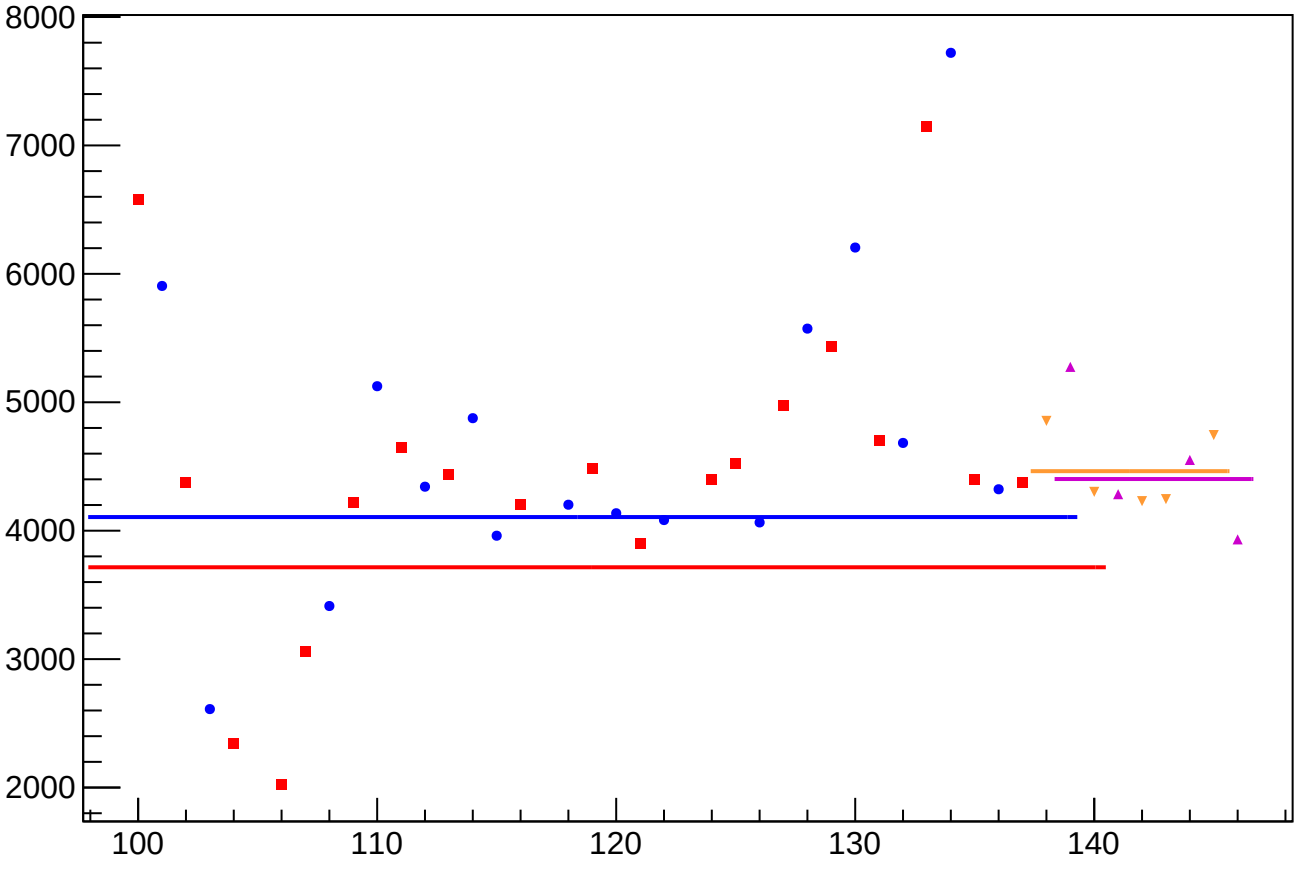
Left: 2840.916+/-1662.304 χ^2/NDF: 6.2/8

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -783.335+/-1316.764 χ^2/NDF:15.4/19

Out: 1189.718+/-1233.156 χ^2/NDF:24.4/23

All: 267.816+/-900.080 χ^2/NDF: 41.0/43



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4463.560+/-1.653 χ^2/NDF:24899.8/4

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4402.389+/-1.672 χ^2/NDF:74982.8/3

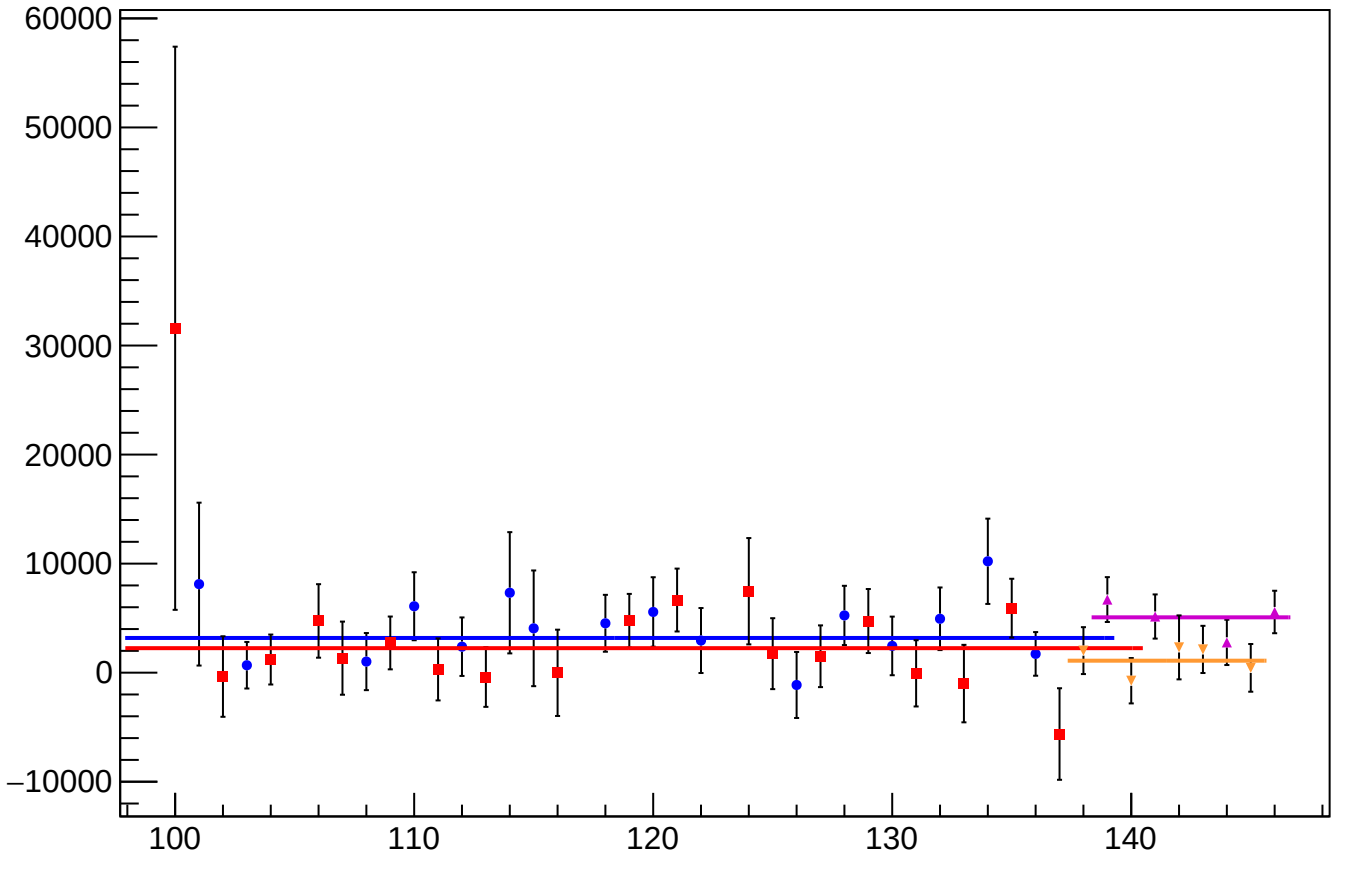
Left: 4433.318+/-1.175 χ^2/NDF: 100559.6/8

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4198.103+/-0.931 χ^2/NDF:1052262.2/19

Out: 3923.437+/-0.872 χ^2/NDF:1507924.8/23

All: 4051.774+/-0.636 χ^2/NDF: 2606547.8/43



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1098.556+/-1006.885 χ^2/NDF:1.5/4

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 5074.645+/-1012.551 χ^2/NDF:1.9/3

Left: 3075.446+/-713.970 χ^2/NDF: 11.1/8

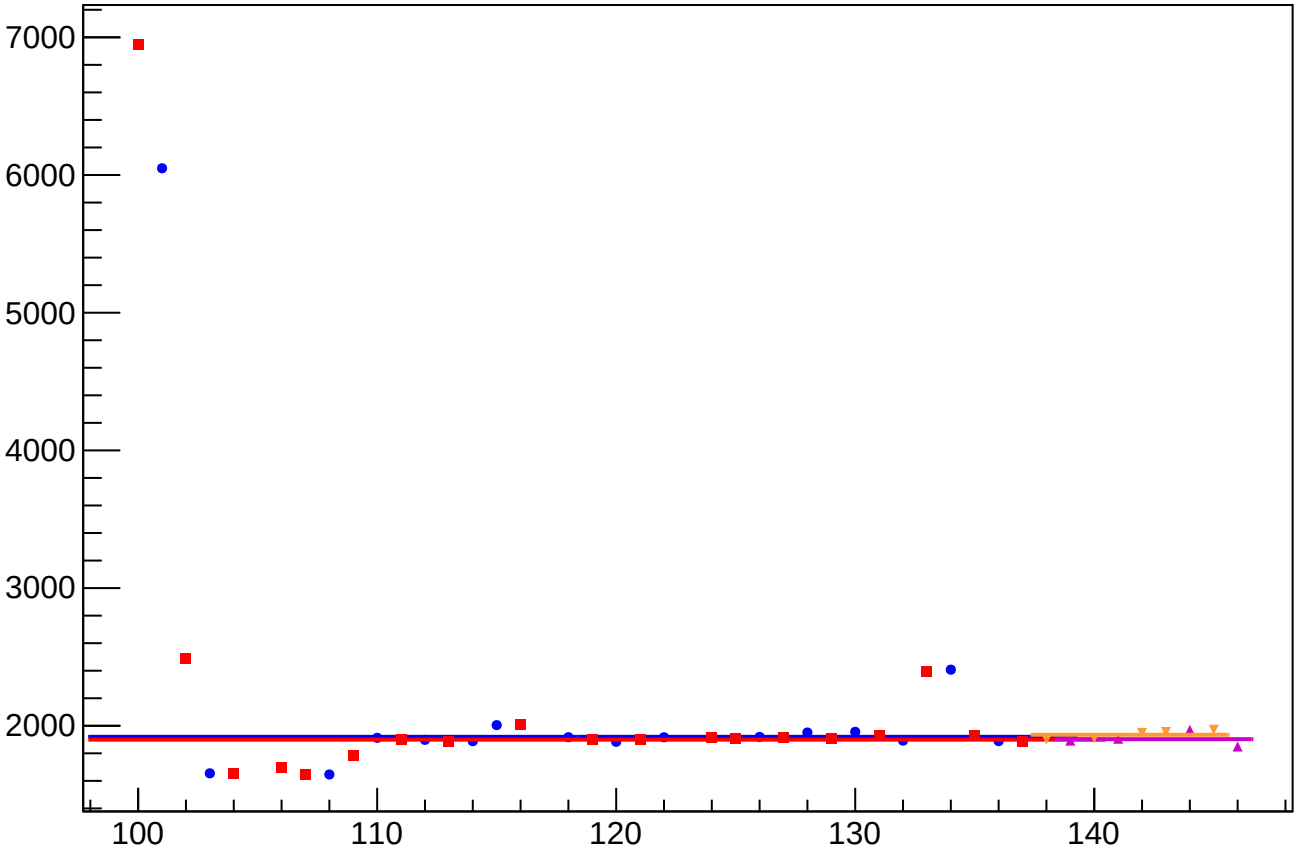
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3831.258+/-592.757 χ^2/NDF:15.9/19

Out: 1865.074+/-580.748 χ^2/NDF:18.8/23

All: 2828.048+/-414.832 χ^2/NDF: 40.4/43

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1934.803+/-0.712 χ^2/NDF:1577.5/4

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

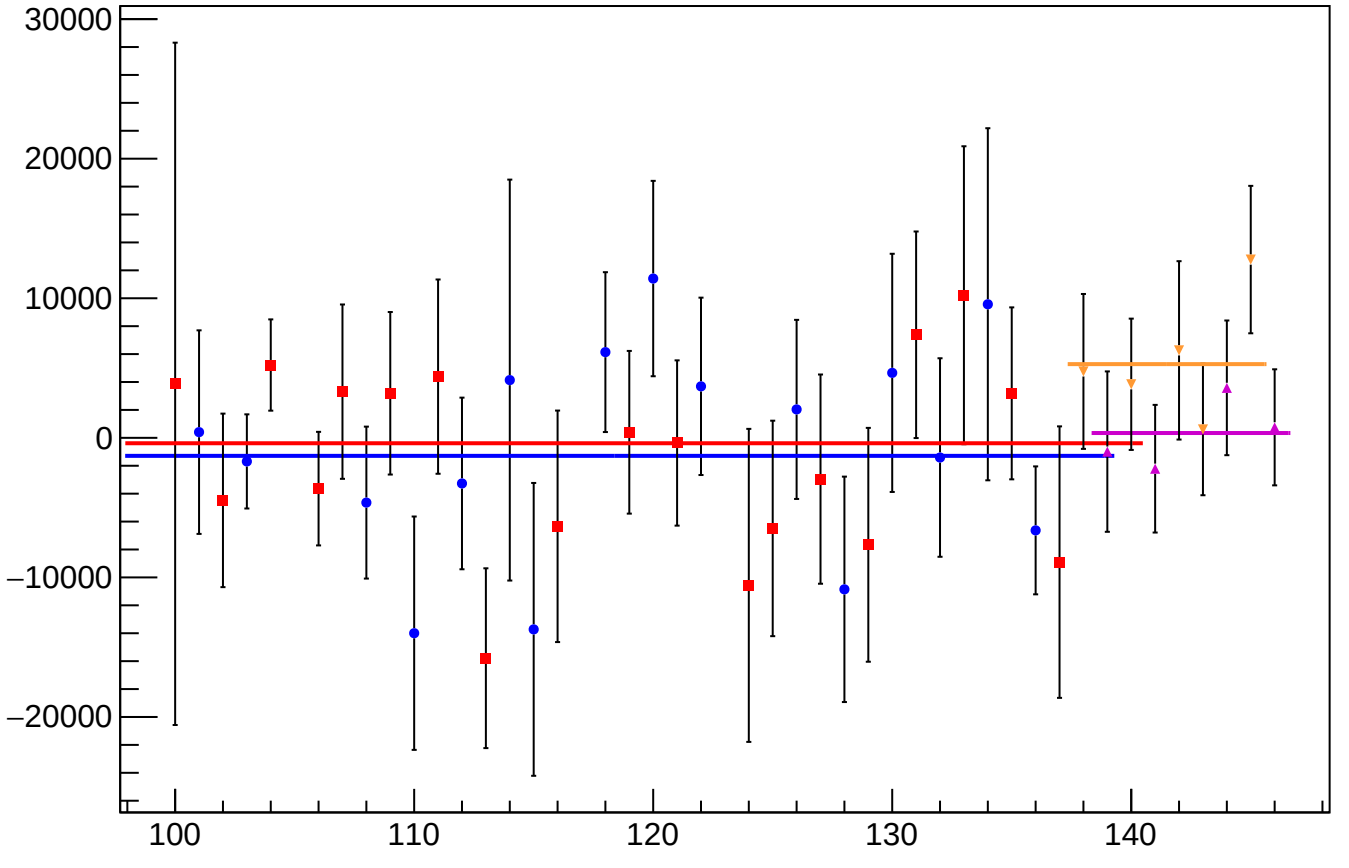
Left: 1918.970+/-0.505 χ^2/NDF: 6254.7/8

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1914.047+/-0.419 χ^2/NDF:701378.2/19

Out: 1911.128+/-0.410 χ^2/NDF:218886.7/23

All: 1912.556+/-0.293 χ^2/NDF: 920289.6/43



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 5281.070+/-2337.740 χ^2/NDF:3.1/4

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 345.233+/-2364.190 χ^2/NDF:0.8/3

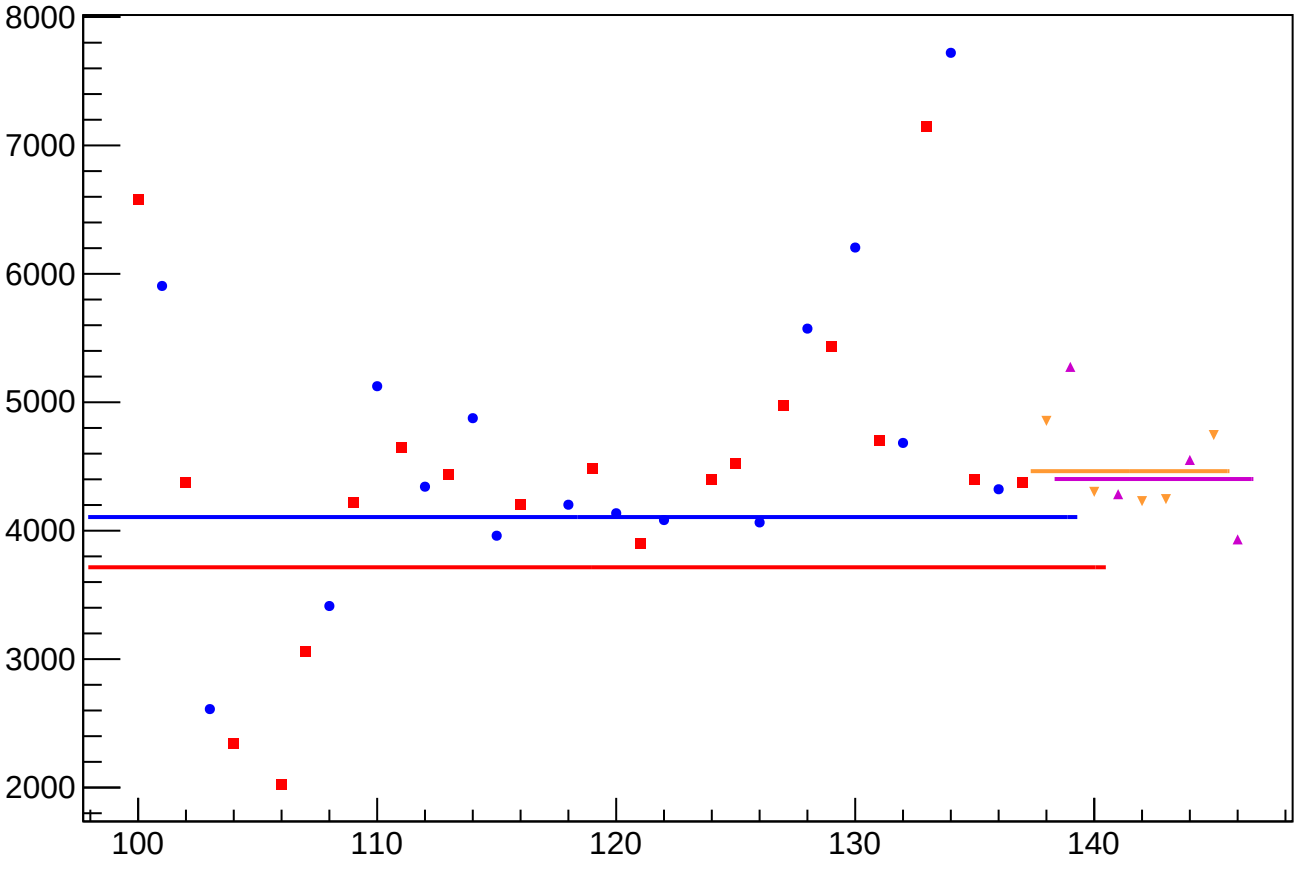
Left: 2840.916+/-1662.304 χ^2/NDF: 6.2/8

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -783.335+/-1316.764 χ^2/NDF:15.4/19

Out: 1189.718+/-1233.156 χ^2/NDF:24.4/23

All: 267.816+/-900.080 χ^2/NDF: 41.0/43



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4463.560+/-1.653 χ^2/NDF:24899.8/4

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4402.389+/-1.672 χ^2/NDF:74982.8/3

Left: 4433.318+/-1.175 χ^2/NDF: 100559.6/8

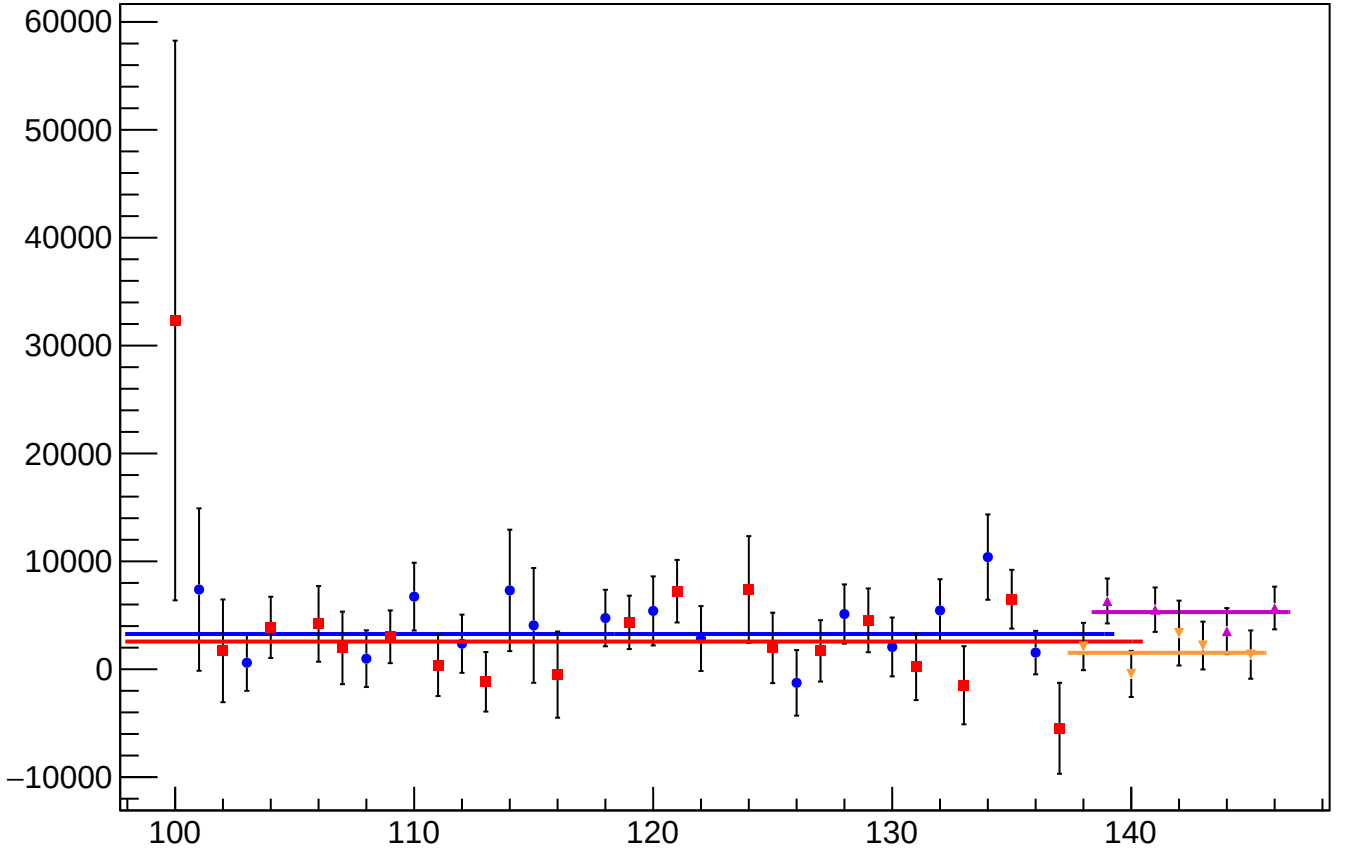
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4198.103+/-0.931 χ^2/NDF:1052262.2/19

Out: 3923.437+/-0.872 χ^2/NDF:1507924.8/23

All: 4051.774+/-0.636 χ^2/NDF: 2606547.8/43

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1522.849+/-1031.206 χ^2/NDF:1.4/4

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 5298.446+/-1030.963 χ^2/NDF:1.0/3

Left: 3411.092+/-729.087 χ^2/NDF: 9.1/8

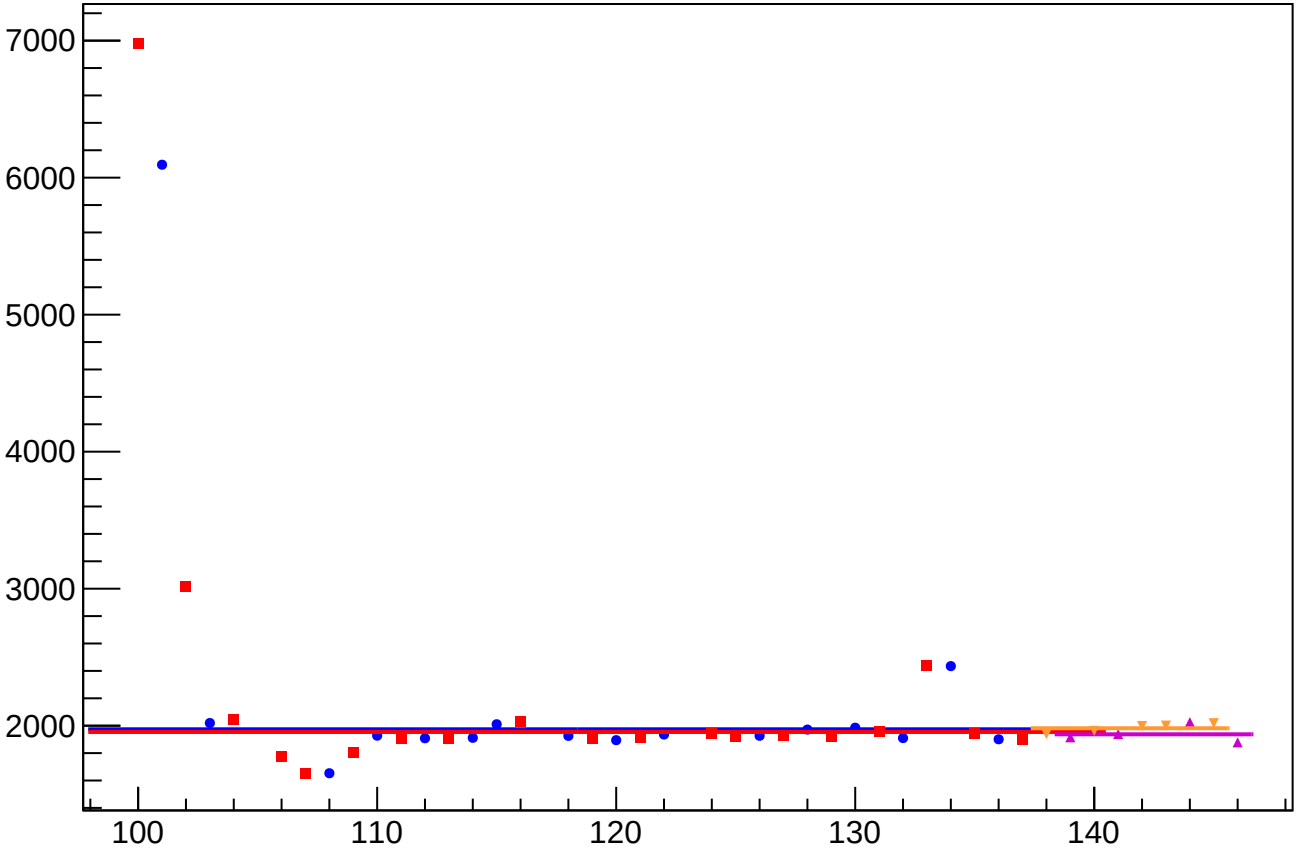
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3969.544+/-606.951 χ^2/NDF:15.7/19

Out: 2215.115+/-598.459 χ^2/NDF:19.1/23

All: 3079.971+/-426.145 χ^2/NDF: 39.0/43

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1981.409+/-0.729 χ^2/NDF:1667.8/4

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1937.235+/-0.729 χ^2/NDF:5422.7/3

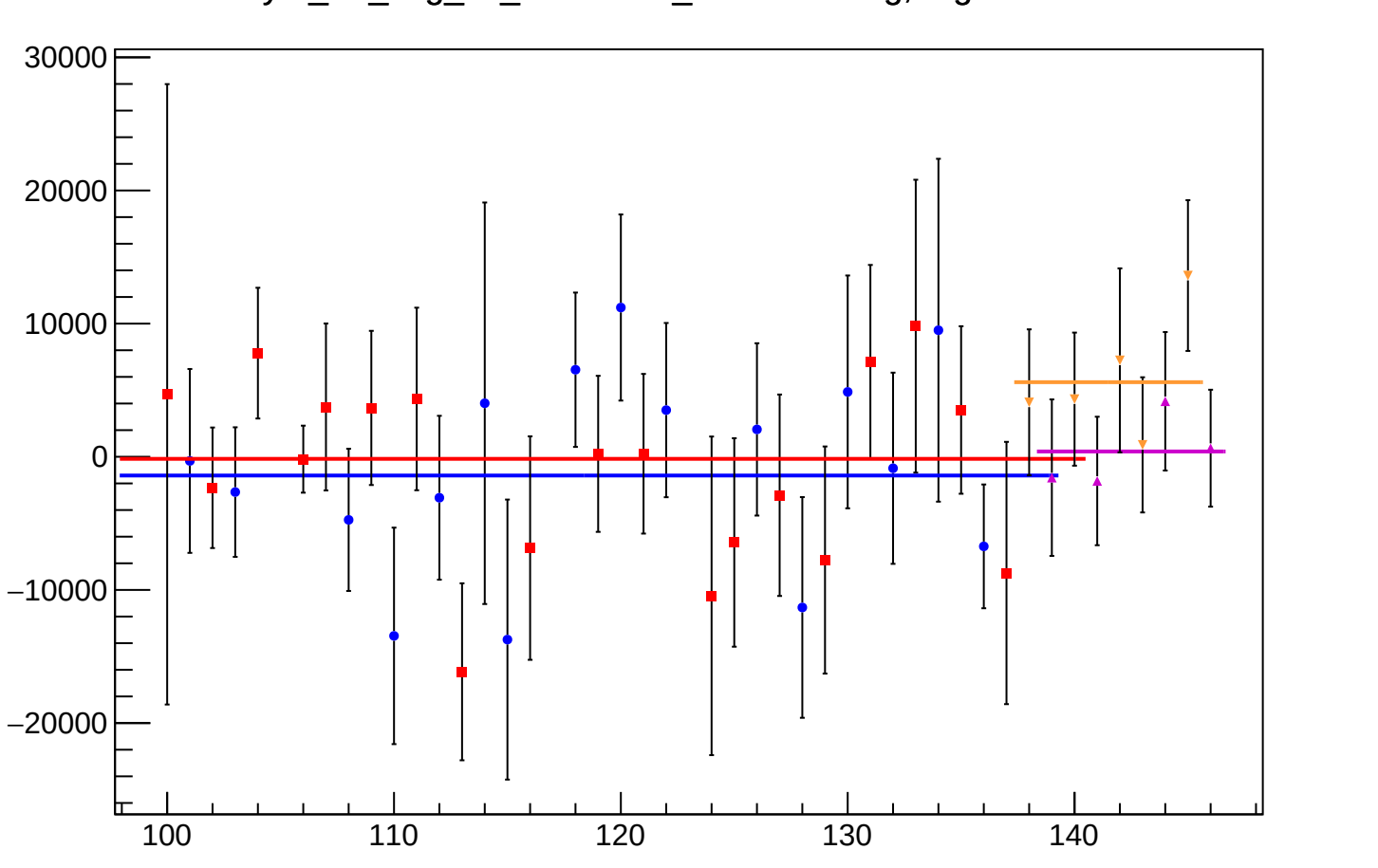
Left: 1959.317+/-0.516 χ^2/NDF: 8926.0/8

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1961.093+/-0.429 χ^2/NDF:672186.1/19

Out: 1963.446+/-0.423 χ^2/NDF:248793.7/23

All: 1962.287+/-0.301 χ^2/NDF: 920995.1/43



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 5603.157+/-2467.187 χ^2/NDF:3.1/4

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 398.437+/-2493.895 χ^2/NDF:0.9/3

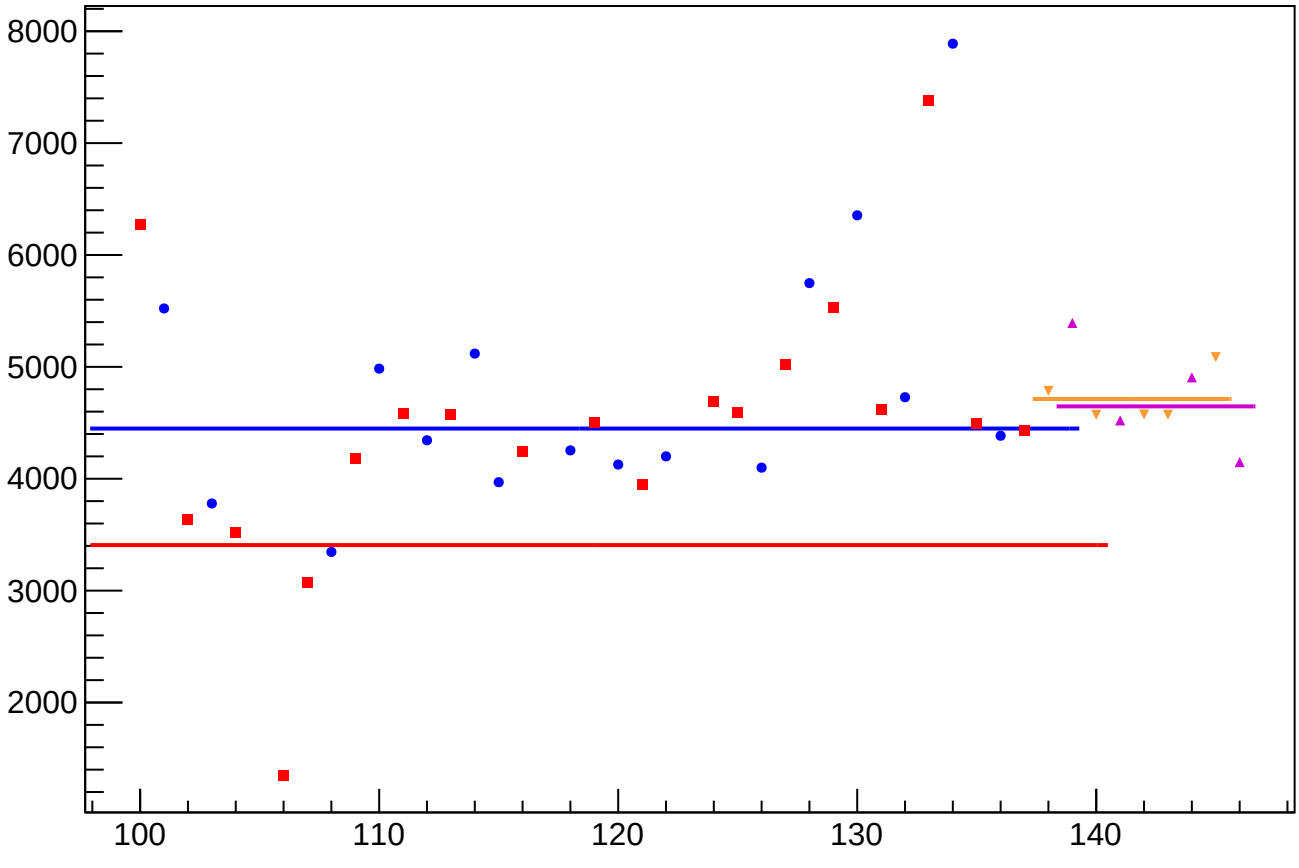
Left: 3028.816+/-1753.931 χ^2/NDF: 6.1/8

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -839.095+/-1399.023 χ^2/NDF:15.4/19

Out: 1192.225+/-1193.476 χ^2/NDF:23.0/23

All: 336.612+/-907.976 χ^2/NDF: 39.7/43



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4712.894+/-1.745 χ^2/NDF:13035.9/4

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4646.859+/-1.763 χ^2/NDF:64280.4/3

Left: 4680.232+/-1.240 χ^2/NDF: 78025.0/8

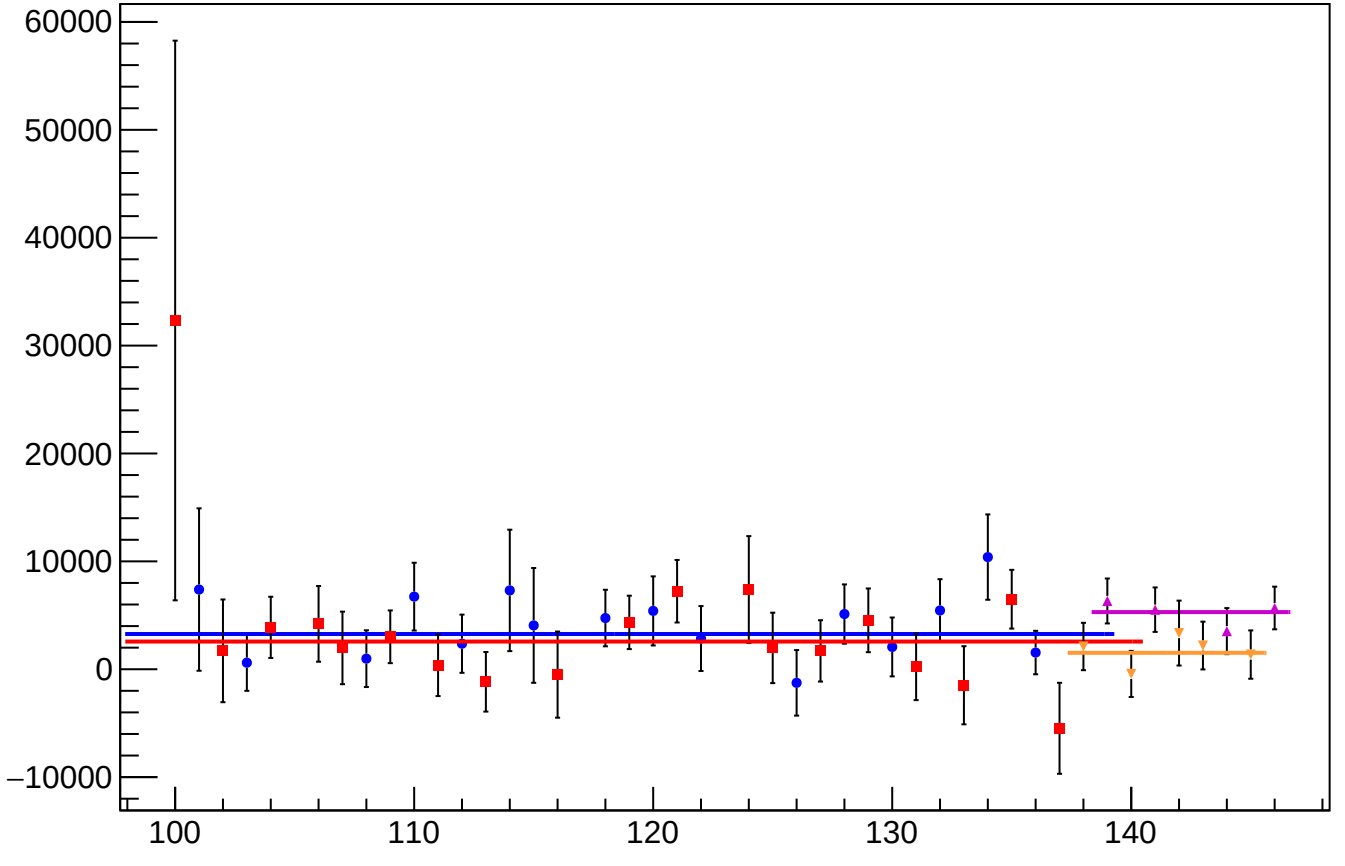
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4511.068+/-0.989 χ^2/NDF:567546.3/19

Out: 3712.682+/-0.844 χ^2/NDF:2768221.1/23

All: 4048.970+/-0.642 χ^2/NDF: 3712754.3/43

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1522.855+/-1031.207 χ^2/NDF:1.4/4

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 5298.438+/-1030.964 χ^2/NDF:1.0/3

Left: 3411.091+/-729.087 χ^2/NDF: 9.1/8

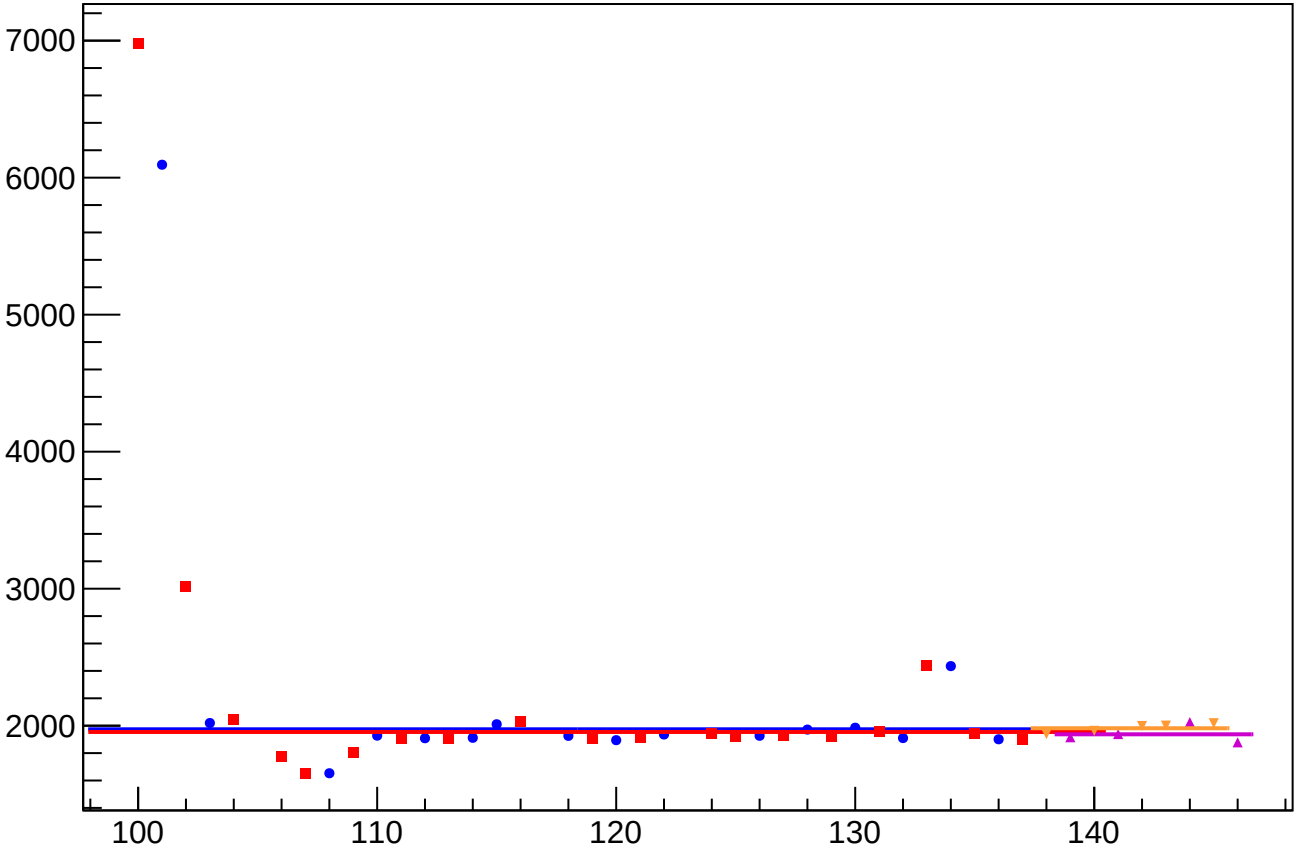
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3969.543+/-606.951 χ^2/NDF:15.7/19

Out: 2215.121+/-598.459 χ^2/NDF:19.1/23

All: 3079.974+/-426.145 χ^2/NDF: 39.0/43

eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1981.410+/-0.729 χ^2/NDF:1667.9/4

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1937.235+/-0.729 χ^2/NDF:5422.7/3

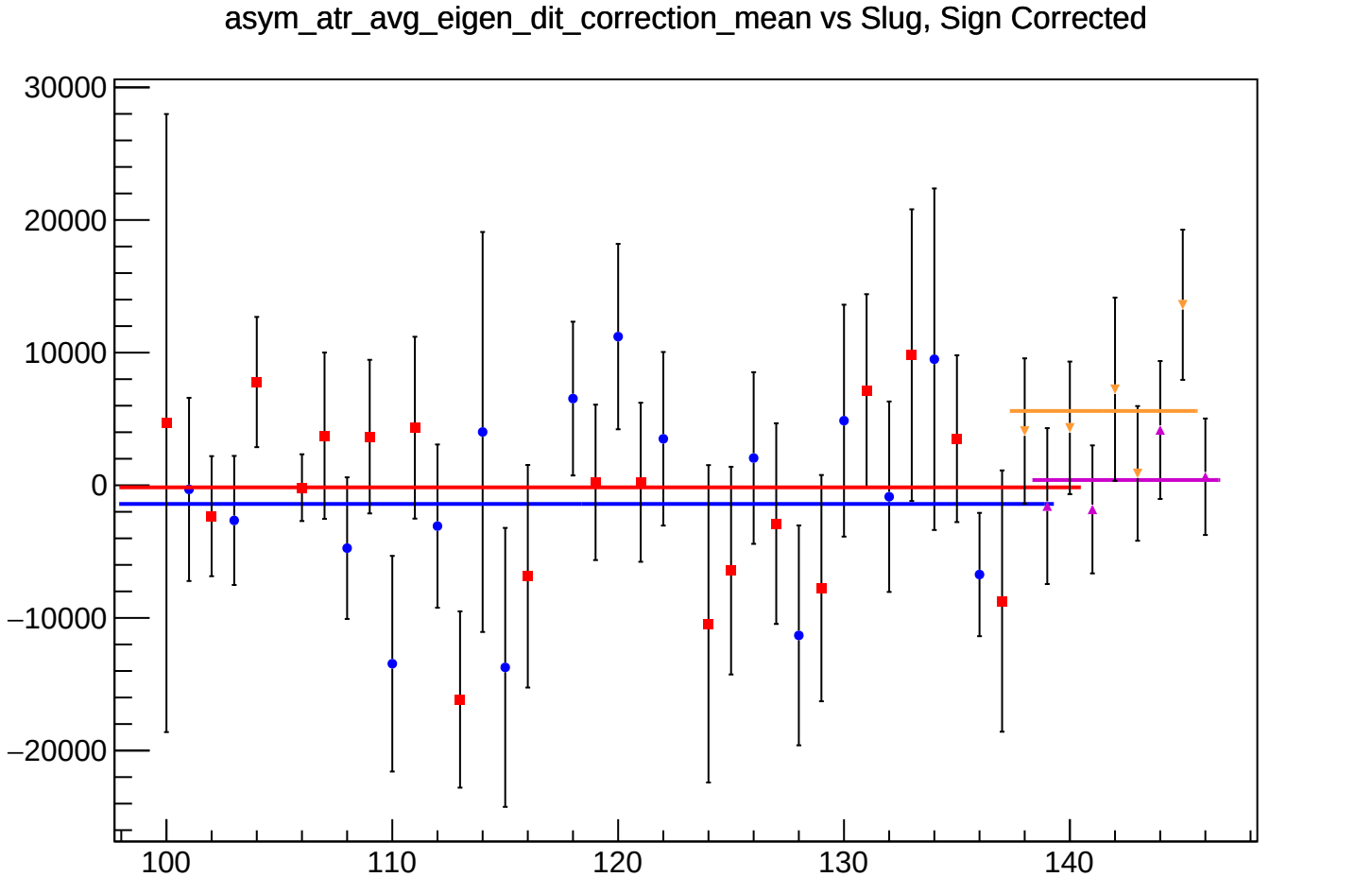
Left: 1959.318+/-0.516 χ^2/NDF: 8926.0/8

Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1961.093+/-0.429 χ^2/NDF:672186.0/19

Out: 1963.446+/-0.423 χ^2/NDF:248793.3/23

All: 1962.287+/-0.301 χ^2/NDF: 920994.6/43



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 5603.163+/-2467.190 χ^2/NDF:3.1/4

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 398.426+/-2493.898 χ^2/NDF:0.9/3

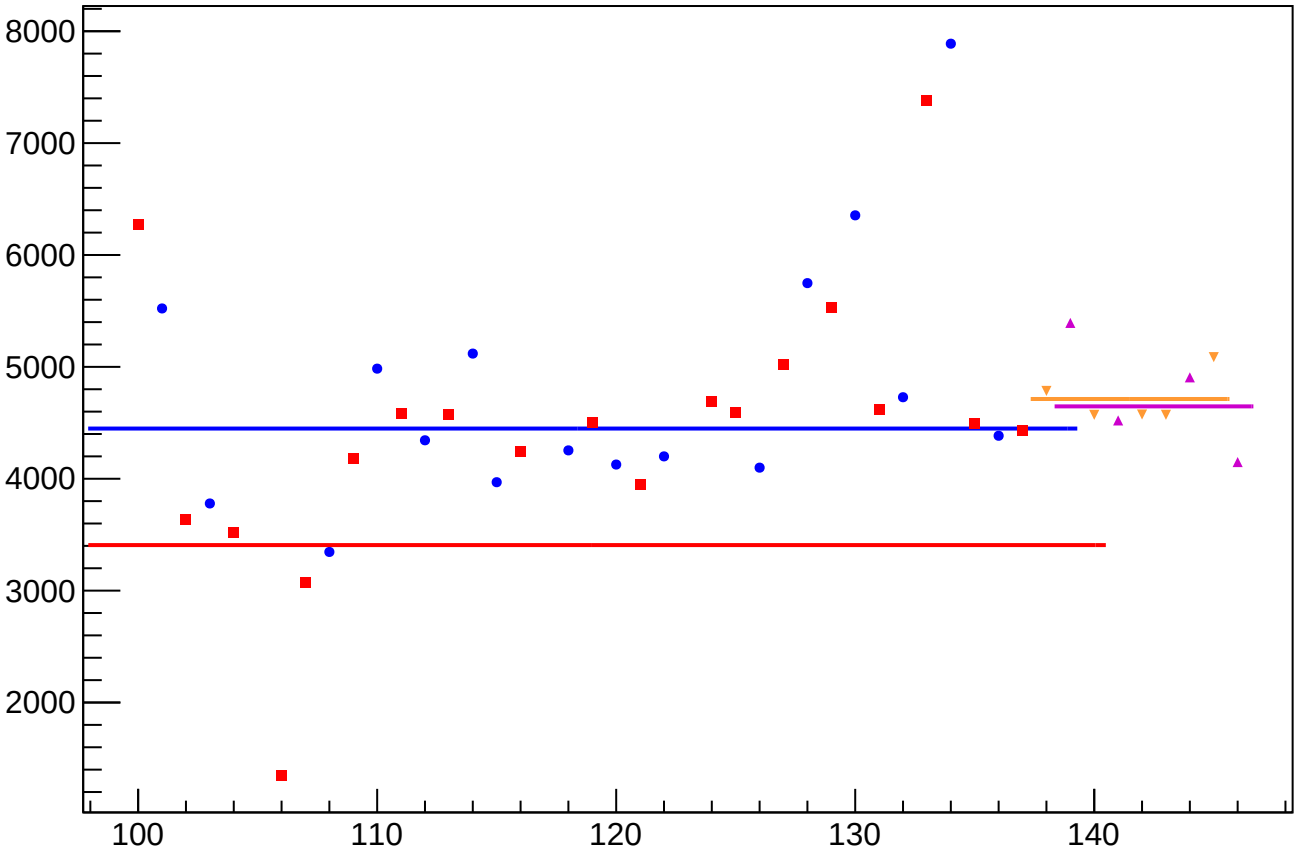
Left: 3028.814+/-1753.933 χ^2/NDF: 6.1/8

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -839.088+/-1399.022 χ^2/NDF:15.4/19

Out: 1192.218+/-1193.474 χ^2/NDF:23.0/23

All: 336.612+/-907.975 χ^2/NDF: 39.7/43



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4712.901+/-1.745 χ^2/NDF:13036.2/4

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4646.865+/-1.763 χ^2/NDF:64280.4/3

Left: 4680.239+/-1.240 χ^2/NDF: 78025.3/8

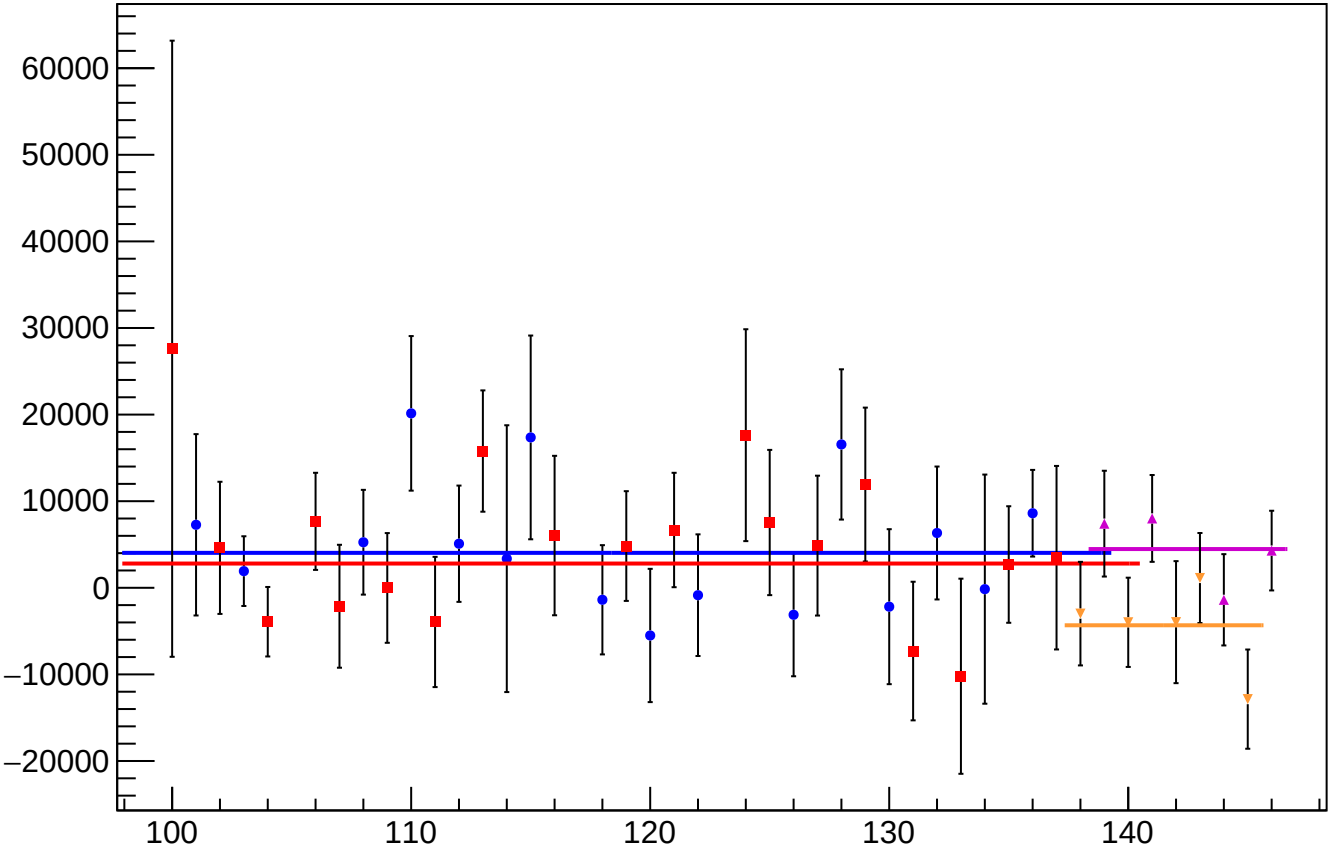
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4511.064+/-0.989 χ^2/NDF:567544.5/19

Out: 3712.676+/-0.844 χ^2/NDF:2768234.2/23

All: 4048.965+/-0.642 χ^2/NDF: 3712769.3/43

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -4328.690+/-2554.487 χ^2/NDF:3.4/4

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 4473.663+/-2583.377 χ^2/NDF:2.0/3

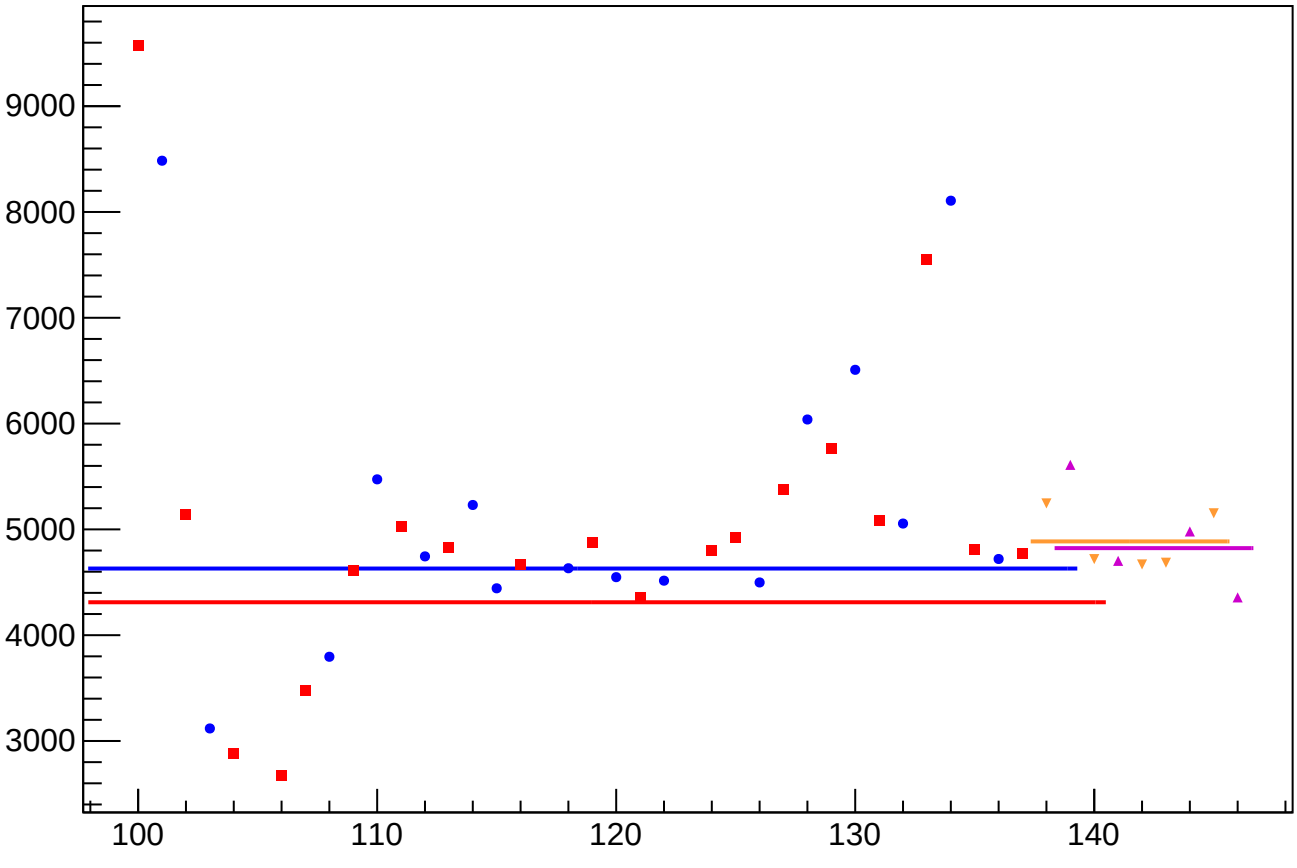
Left: 22.993+/-1816.423 χ^2/NDF: 11.2/8

Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 4176.142+/-1466.886 χ^2/NDF:14.3/19

Out: 662.542+/-1398.900 χ^2/NDF:24.3/23

All: 2336.034+/-1012.353 χ^2/NDF: 41.6/43



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4886.278+/-1.806 χ^2/NDF:18541.4/4

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4822.746+/-1.827 χ^2/NDF:56635.6/3

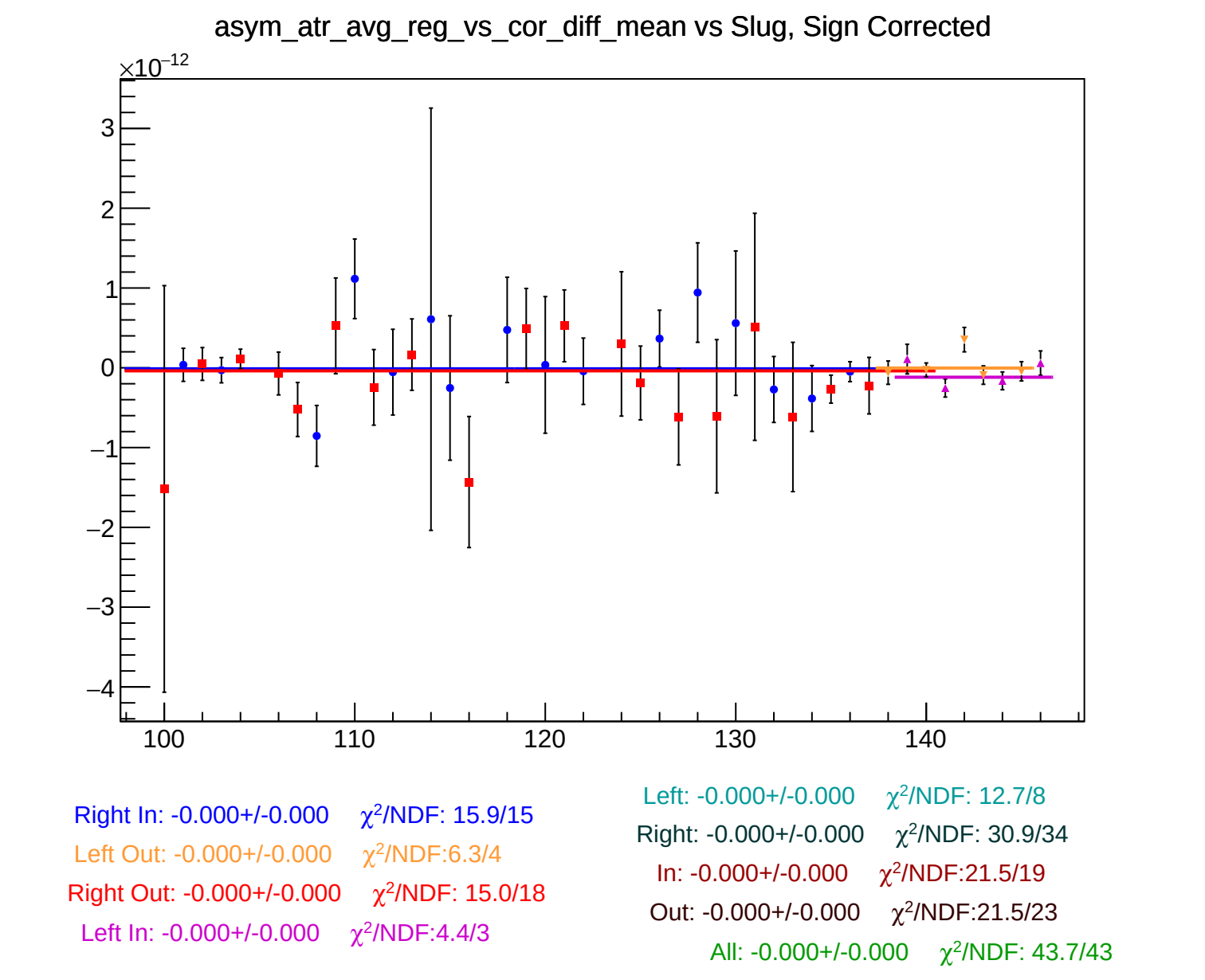
Left: 4854.869+/-1.284 χ^2/NDF: 75788.6/8

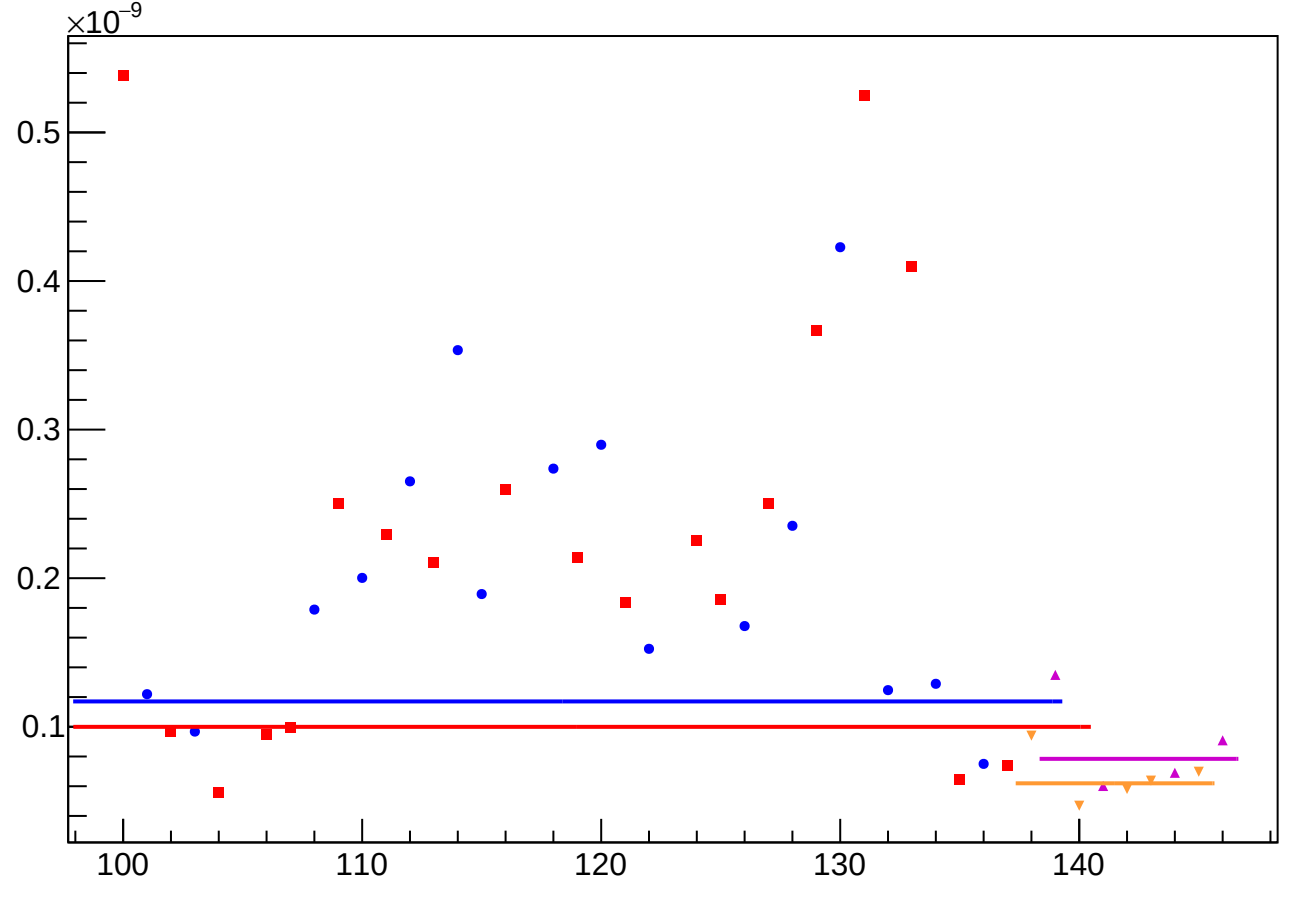
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4692.122+/-1.037 χ^2/NDF:964428.3/19

Out: 4481.583+/-0.983 χ^2/NDF:994607.0/23

All: 4581.220+/-0.714 χ^2/NDF: 1980737.8/43


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
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:6.3/4
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:4.4/3
Left: -0.000+/-0.000 χ²/NDF: 12.7/8
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:21.5/19
Out: -0.000+/-0.000 χ²/NDF:21.5/23
All: -0.000+/-0.000 χ²/NDF: 43.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:166475.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:265037.2/3

Left: 0.000+/-0.000 χ^2/NDF: 508209.4/8

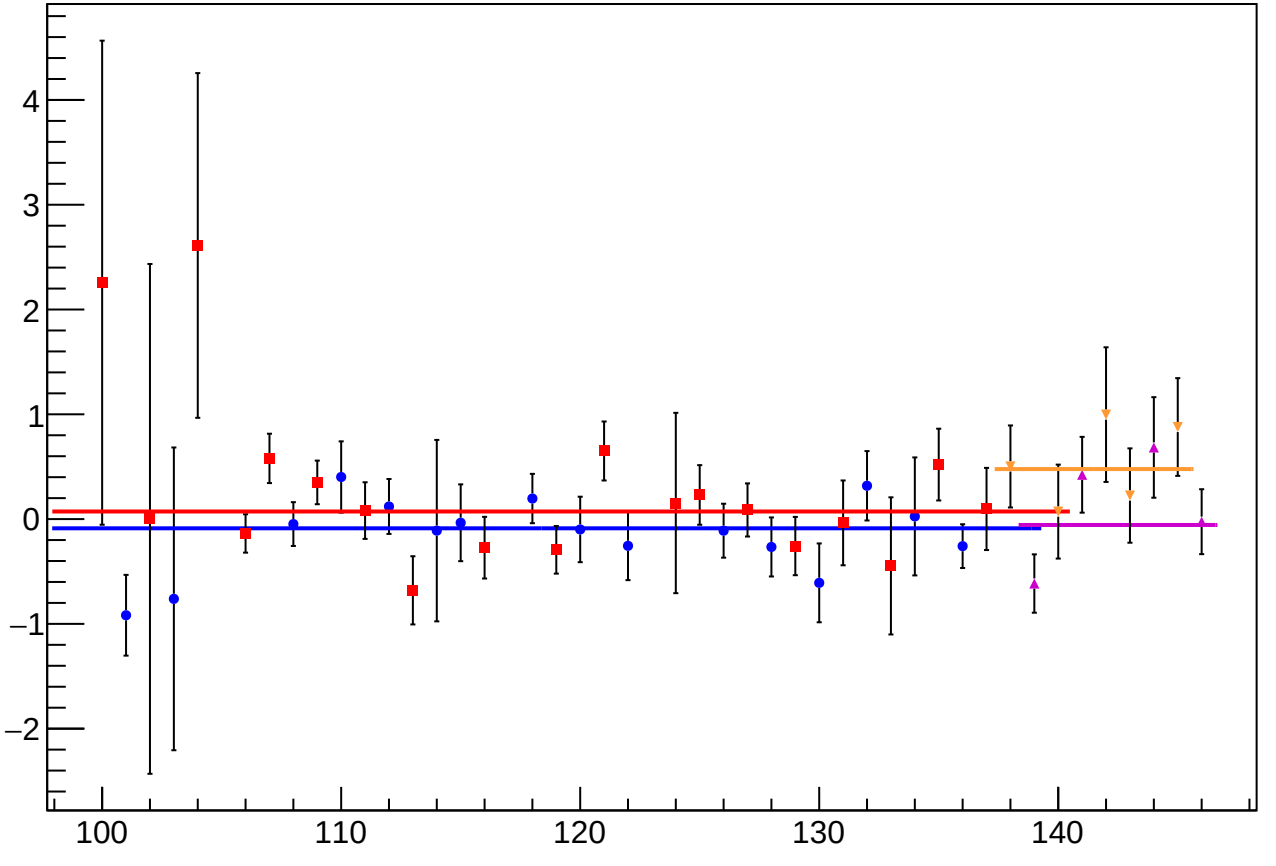
Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:1663296.6/19

Out: 0.000+/-0.000 χ^2/NDF:2371020.2/23

All: 0.000+/-0.000 χ^2/NDF: 4226352.3/43

asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.477+/-0.206 χ^2/NDF:2.5/4

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.056+/-0.168 χ^2/NDF:8.2/3

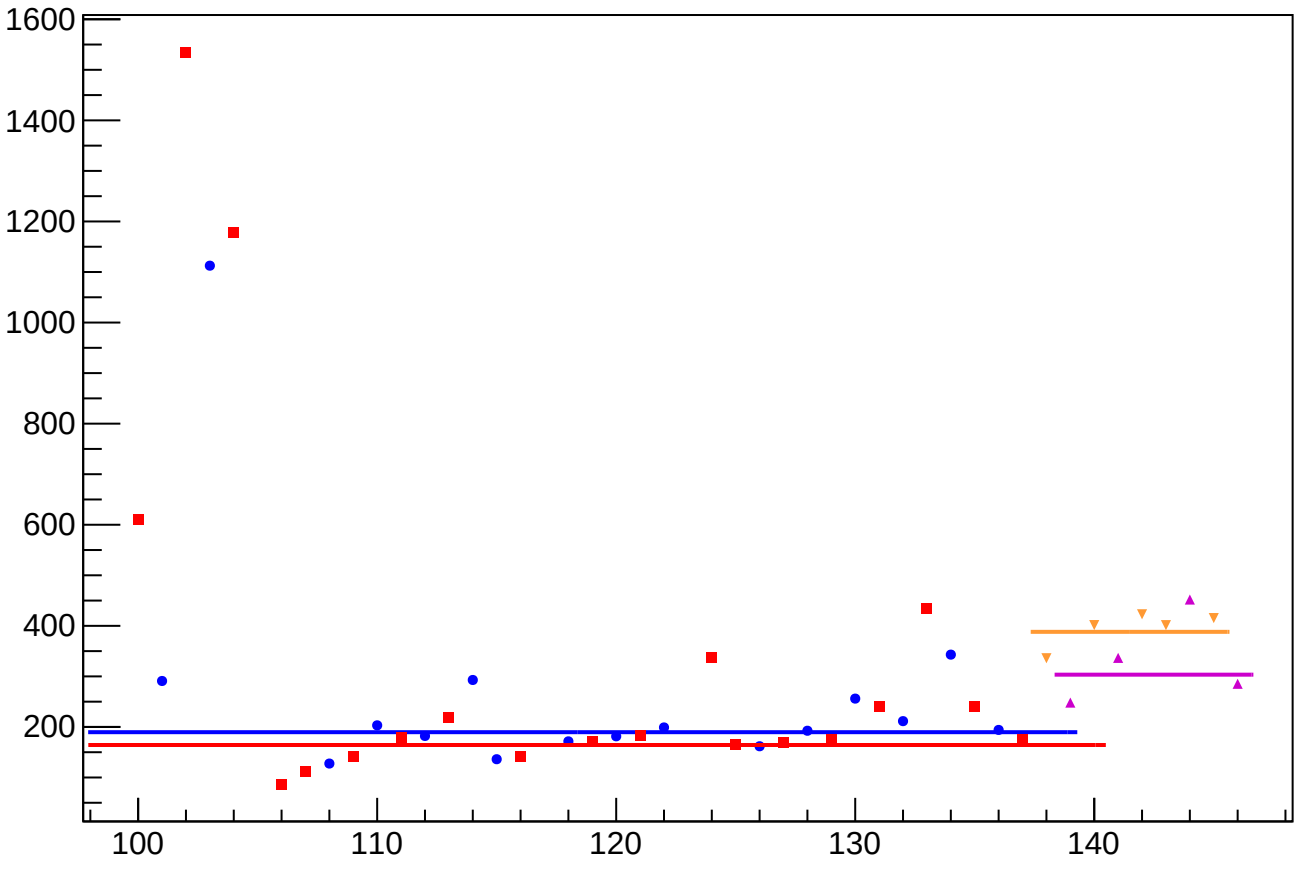
Left: 0.157+/-0.130 χ^2/NDF: 14.7/8

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.082+/-0.070 χ^2/NDF:22.1/19

Out: 0.114+/-0.066 χ^2/NDF:34.6/23

All: 0.021+/-0.048 χ^2/NDF: 60.9/43



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 388.147+/-0.146 χ^2/NDF:51750.9/4

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 303.415+/-0.119 χ^2/NDF:294298.4/3

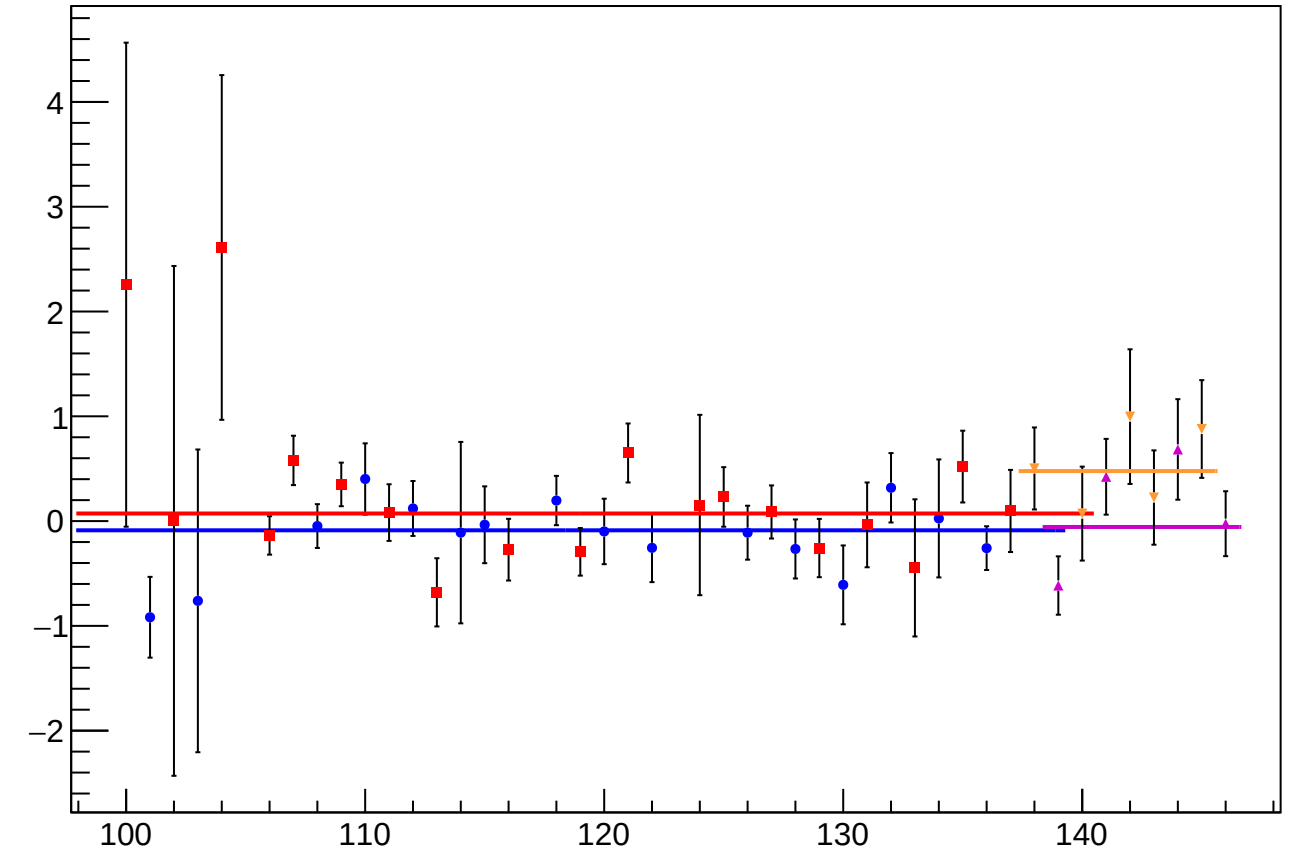
Left: 337.245+/-0.092 χ^2/NDF: 548440.5/8

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 209.225+/-0.049 χ^2/NDF:2516511.7/19

Out: 187.378+/-0.047 χ^2/NDF:4804290.0/23

All: 197.734+/-0.034 χ^2/NDF: 7423726.2/43



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.477+/-0.206 χ^2/NDF:2.5/4

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.056+/-0.168 χ^2/NDF:8.2/3

Left: 0.157+/-0.130 χ^2/NDF: 14.7/8

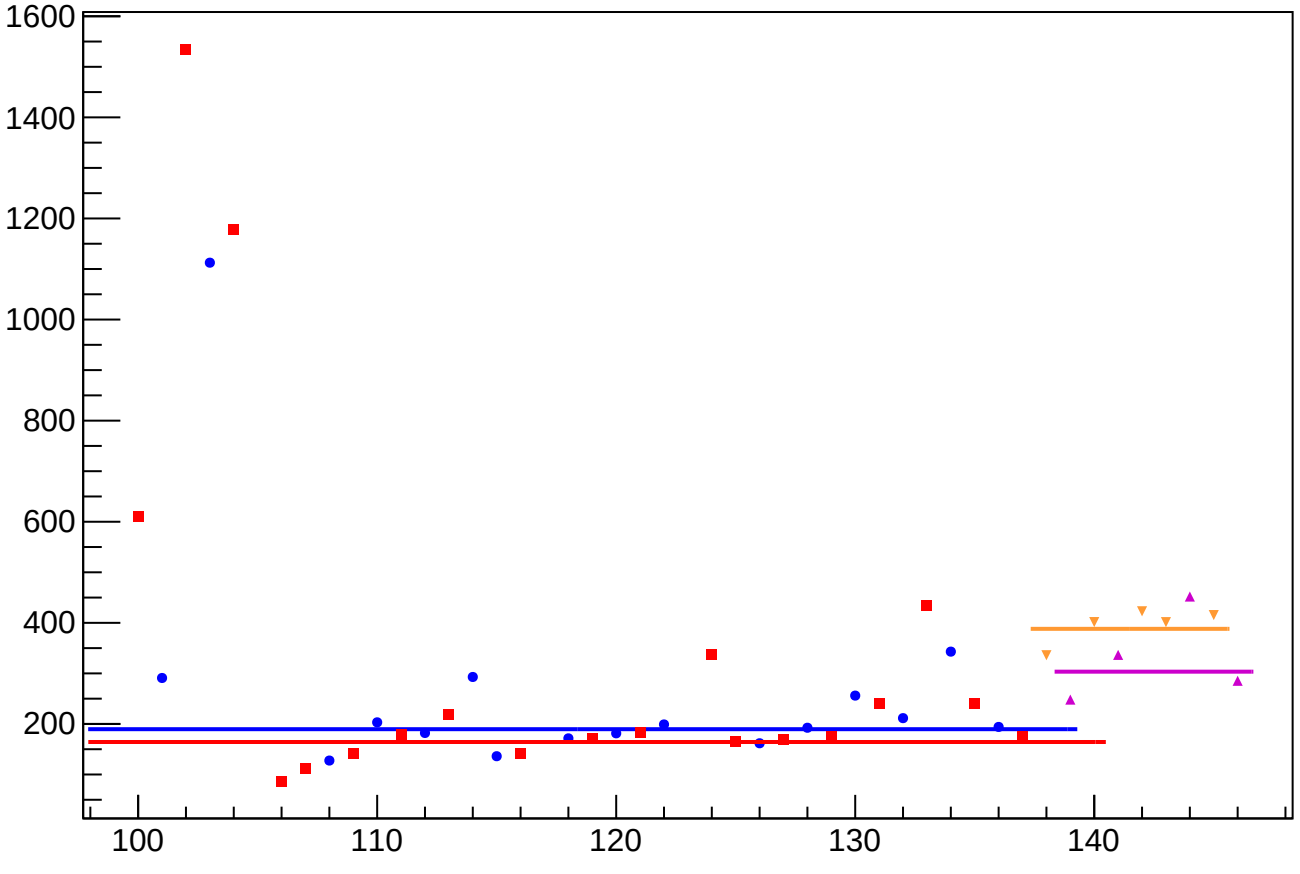
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.082+/-0.070 χ^2/NDF:22.1/19

Out: 0.114+/-0.066 χ^2/NDF:34.6/23

All: 0.021+/-0.048 χ^2/NDF: 60.9/43

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 388.147+/-0.146 χ^2/NDF:51750.9/4

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 303.415+/-0.119 χ^2/NDF:294298.4/3

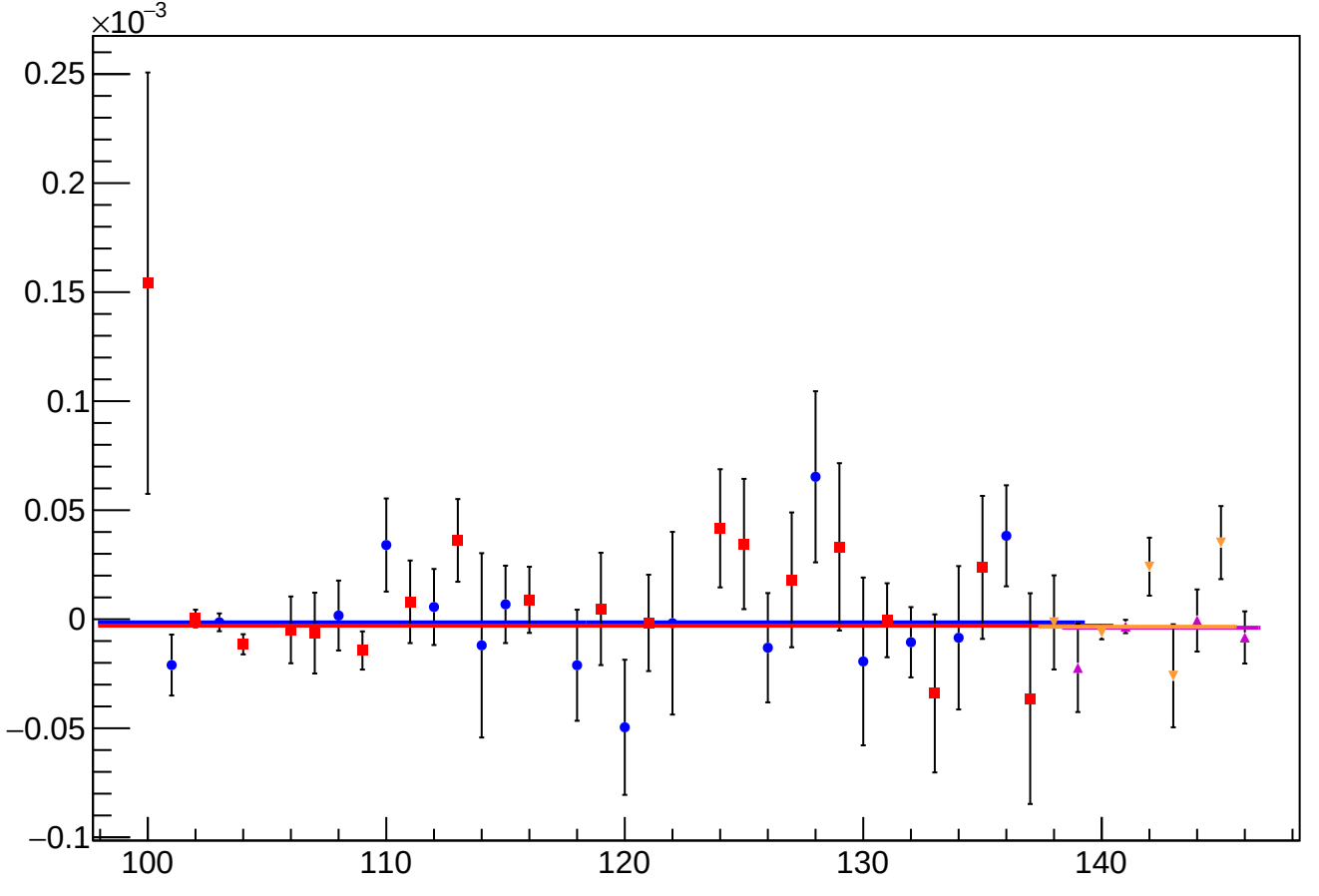
Left: 337.245+/-0.092 χ^2/NDF: 548440.5/8

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 209.225+/-0.049 χ^2/NDF:2516511.7/19

Out: 187.378+/-0.047 χ^2/NDF:4804290.0/23

All: 197.734+/-0.034 χ^2/NDF: 7423726.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

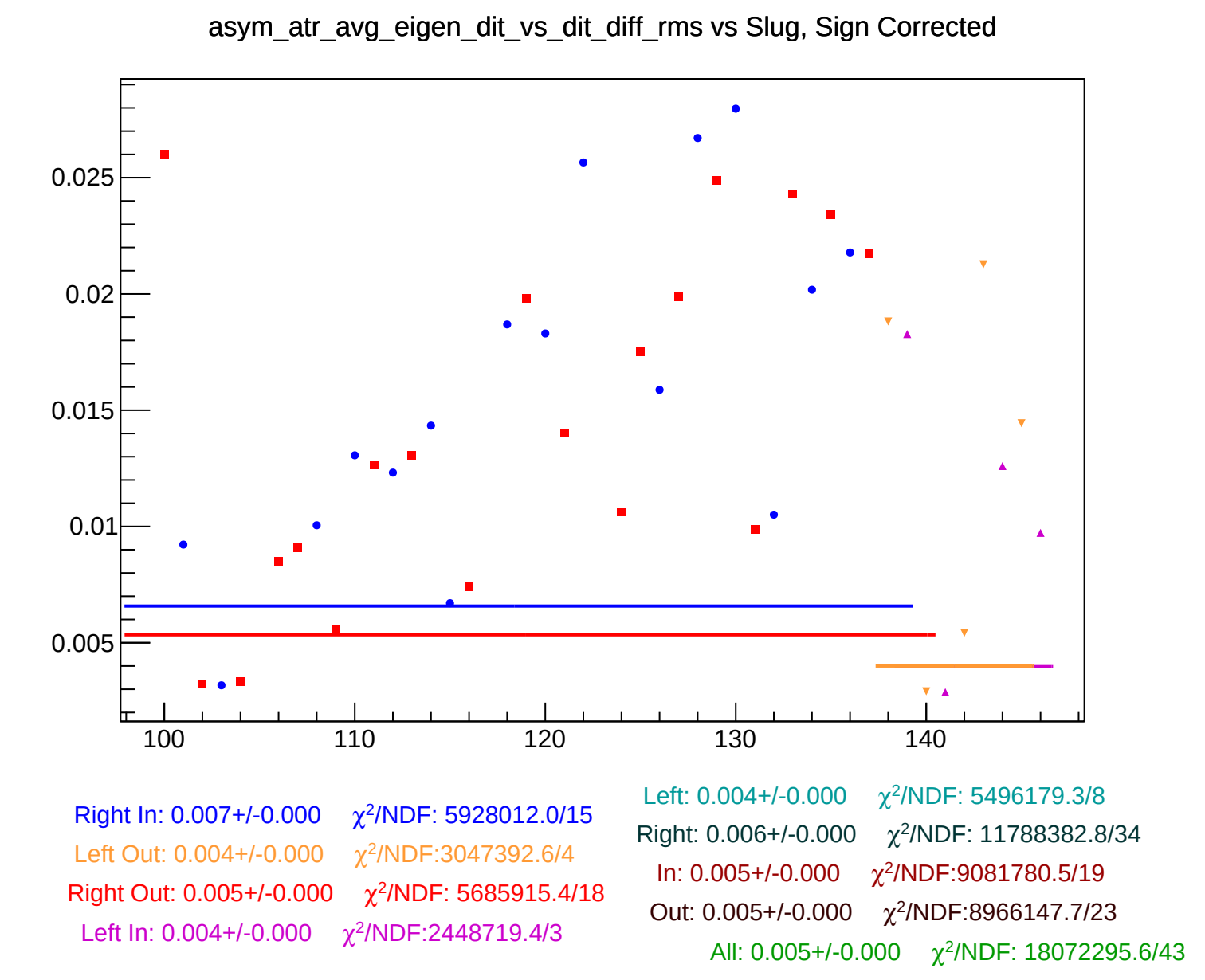
Left: -0.000+/-0.000 χ^2/NDF: 12.2/8

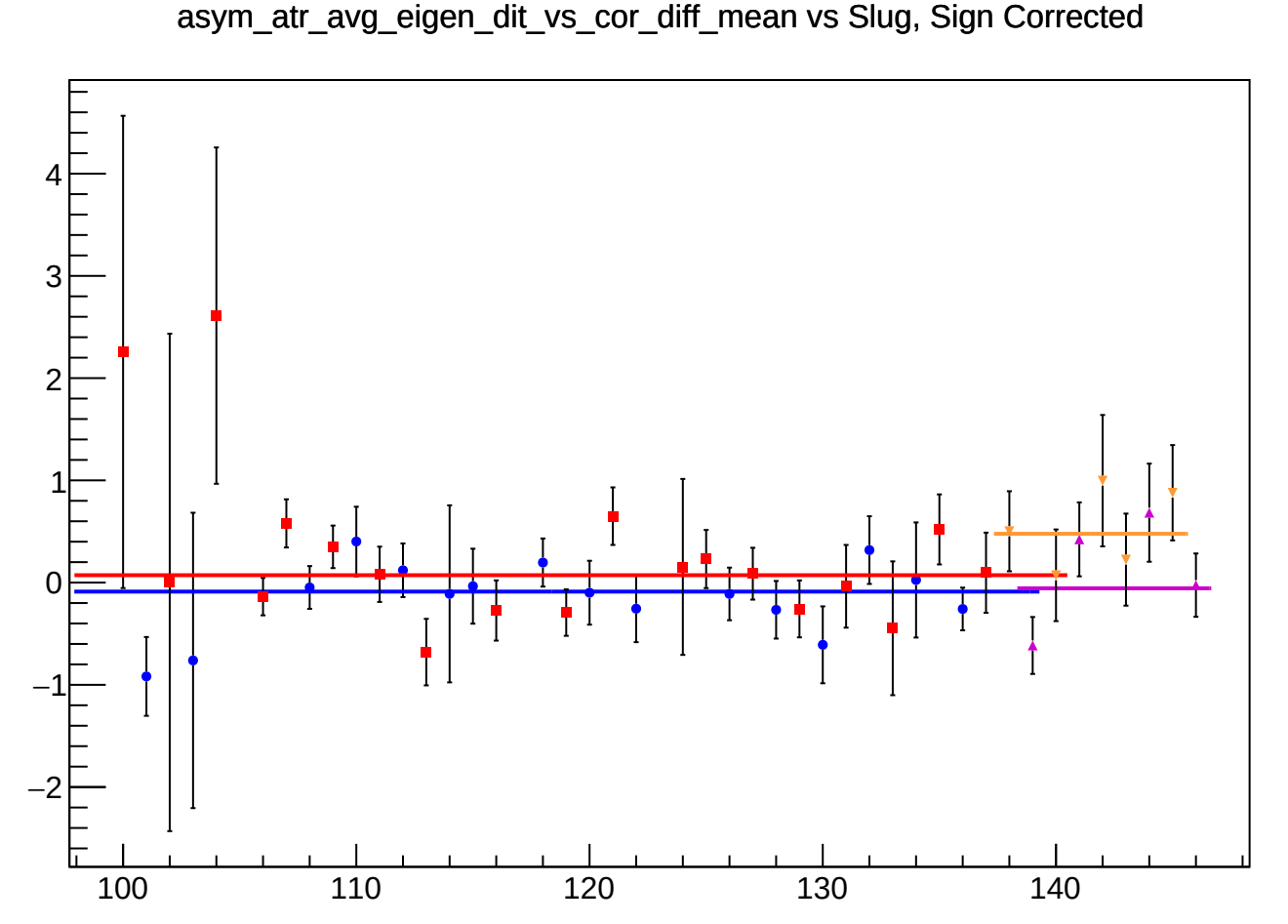
Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:16.2/19

Out: -0.000+/-0.000 χ^2/NDF:32.5/23

All: -0.000+/-0.000 χ^2/NDF: 48.7/43


asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
Right In: 0.007+/-0.000 χ²/NDF: 5928012.0/15
Left Out: 0.004+/-0.000 χ²/NDF:3047392.6/4
Right Out: 0.005+/-0.000 χ²/NDF: 5685915.4/18
Left In: 0.004+/-0.000 χ²/NDF:2448719.4/3
Left: 0.004+/-0.000 χ²/NDF: 5496179.3/8
Right: 0.006+/-0.000 χ²/NDF: 11788382.8/34
In: 0.005+/-0.000 χ²/NDF:9081780.5/19
Out: 0.005+/-0.000 χ²/NDF:8966147.7/23
All: 0.005+/-0.000 χ²/NDF: 18072295.6/43



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.477+/-0.206 χ^2/NDF:2.5/4

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.056+/-0.168 χ^2/NDF:8.2/3

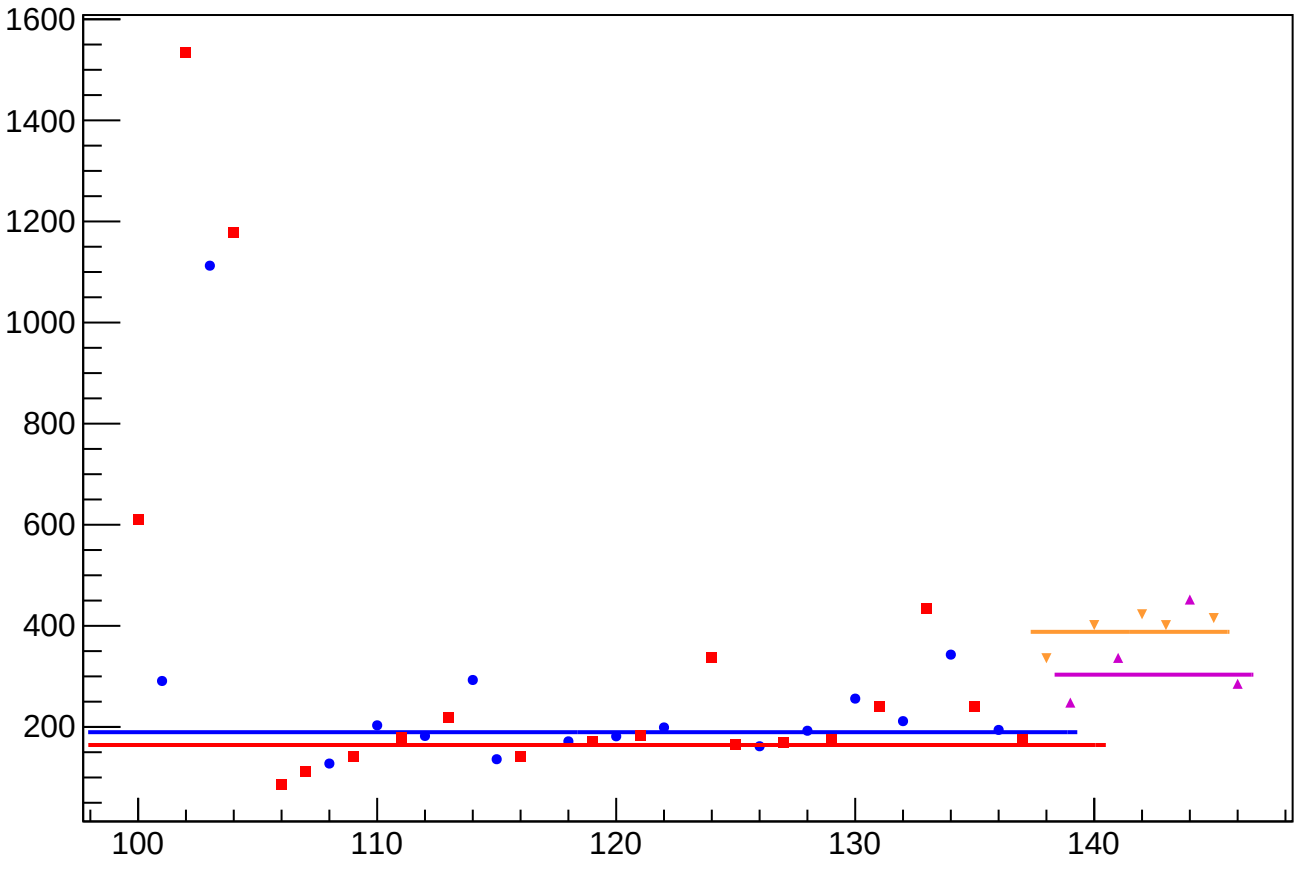
Left: 0.157+/-0.130 χ^2/NDF: 14.7/8

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.082+/-0.070 χ^2/NDF:22.1/19

Out: 0.114+/-0.066 χ^2/NDF:34.6/23

All: 0.021+/-0.048 χ^2/NDF: 60.9/43



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 388.152+/-0.146 χ^2/NDF:51747.2/4

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 303.419+/-0.119 χ^2/NDF:294288.0/3

Left: 337.250+/-0.092 χ^2/NDF: 548423.4/8

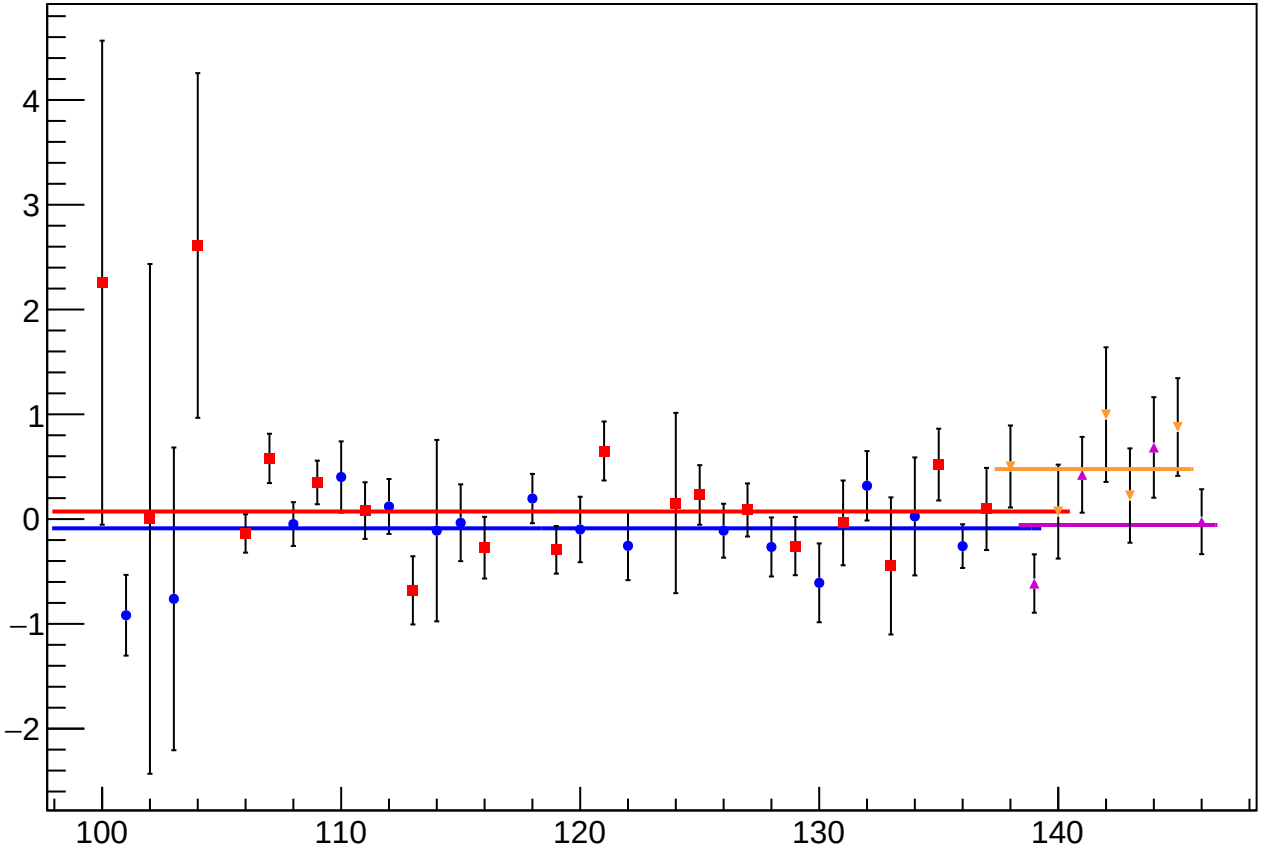
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 209.225+/-0.049 χ^2/NDF:2516537.1/19

Out: 187.377+/-0.047 χ^2/NDF:4804319.5/23

All: 197.733+/-0.034 χ^2/NDF: 7423785.9/43

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.477+/-0.206 χ^2/NDF:2.5/4

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.056+/-0.168 χ^2/NDF:8.2/3

Left: 0.157+/-0.130 χ^2/NDF: 14.7/8

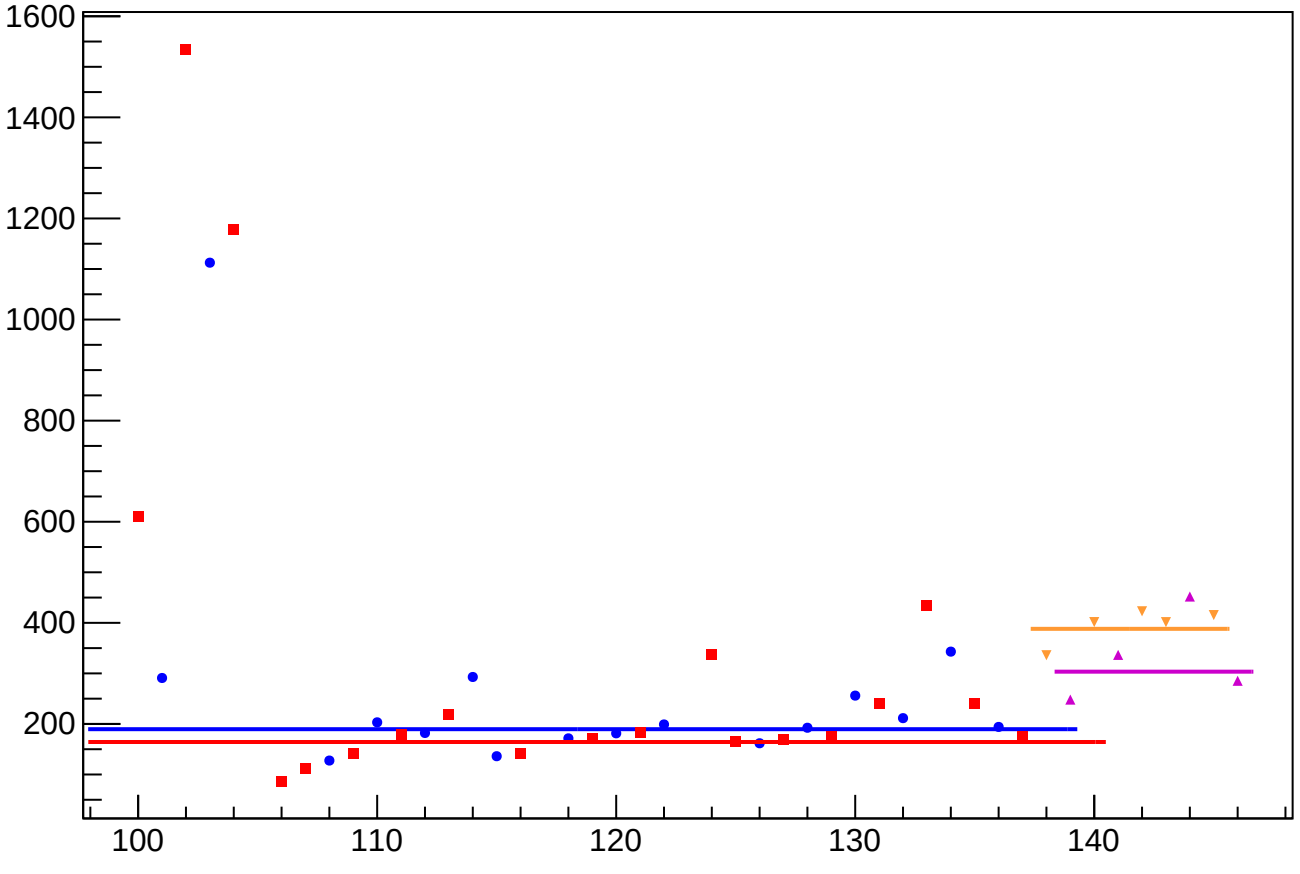
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.082+/-0.070 χ^2/NDF:22.1/19

Out: 0.114+/-0.066 χ^2/NDF:34.6/23

All: 0.021+/-0.048 χ^2/NDF: 60.9/43

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: 388.152+/-0.146 χ^2/NDF:51747.2/4

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 303.419+/-0.119 χ^2/NDF:294288.0/3

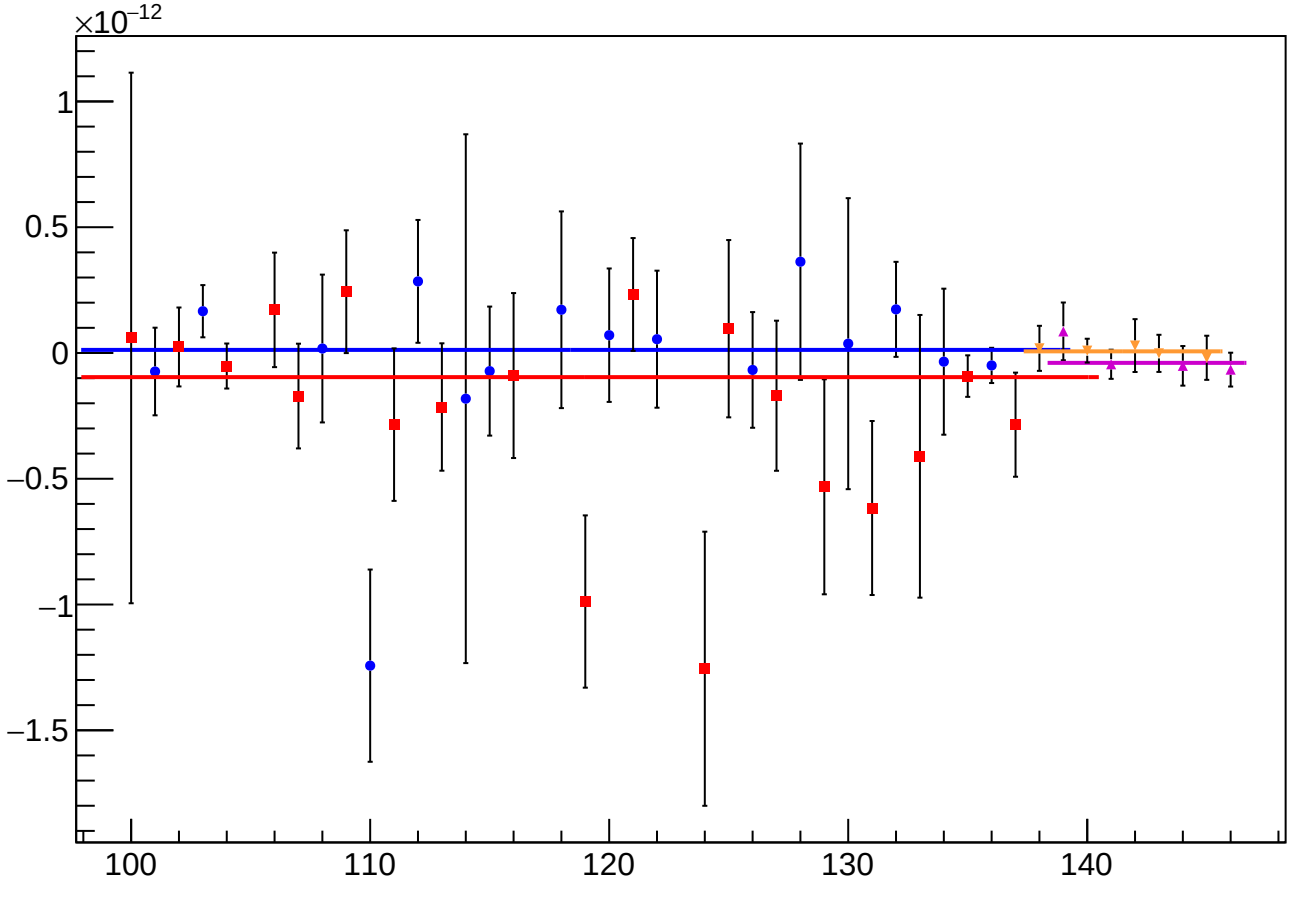
Left: 337.250+/-0.092 χ^2/NDF: 548423.4/8

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 209.225+/-0.049 χ^2/NDF:2516537.1/19

Out: 187.377+/-0.047 χ^2/NDF:4804319.5/23

All: 197.733+/-0.034 χ^2/NDF: 7423785.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

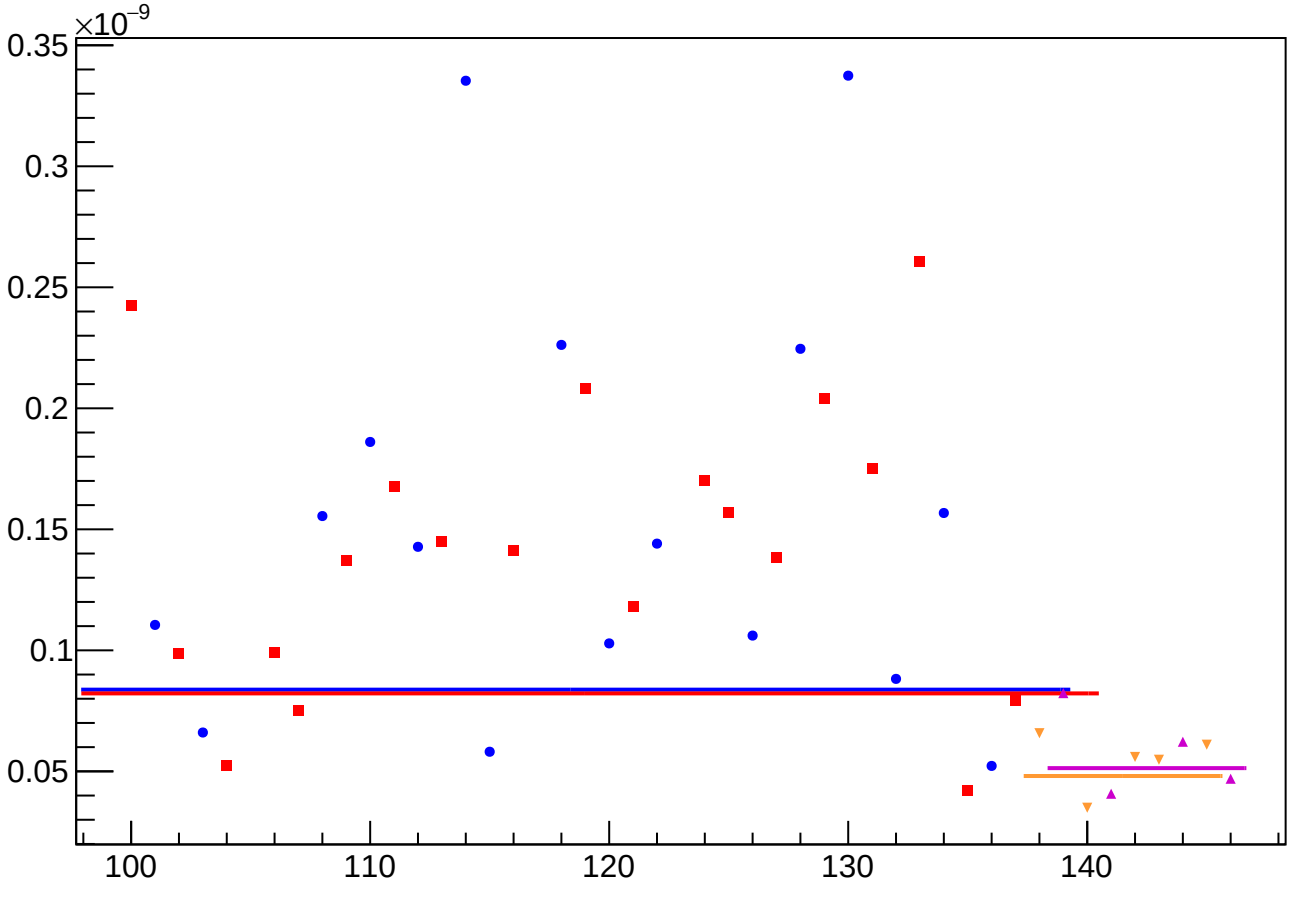
Left: -0.000+/-0.000 χ^2/NDF: 2.4/8

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:19.2/19

Out: -0.000+/-0.000 χ^2/NDF:26.8/23

All: -0.000+/-0.000 χ^2/NDF: 46.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:302213.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:259279.0/3

Left: 0.000+/-0.000 χ^2/NDF: 570518.9/8

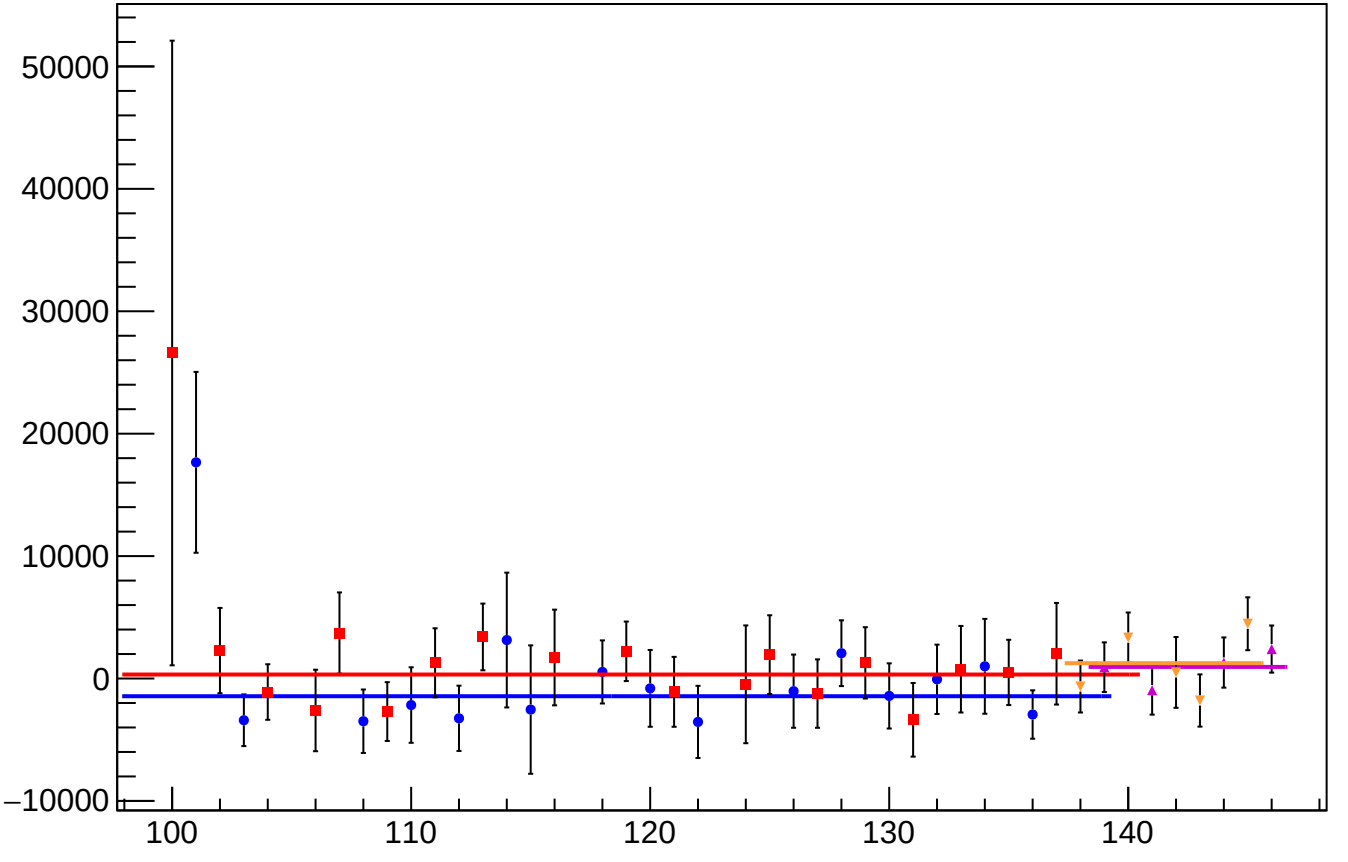
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:2986725.2/19

Out: 0.000+/-0.000 χ^2/NDF:3343323.7/23

All: 0.000+/-0.000 χ^2/NDF: 6354996.2/43

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1254.037+/-993.699 χ^2/NDF:6.2/4

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: 947.188+/-999.935 χ^2/NDF:1.5/3

Left: 1101.572+/-704.846 χ^2/NDF: 7.7/8

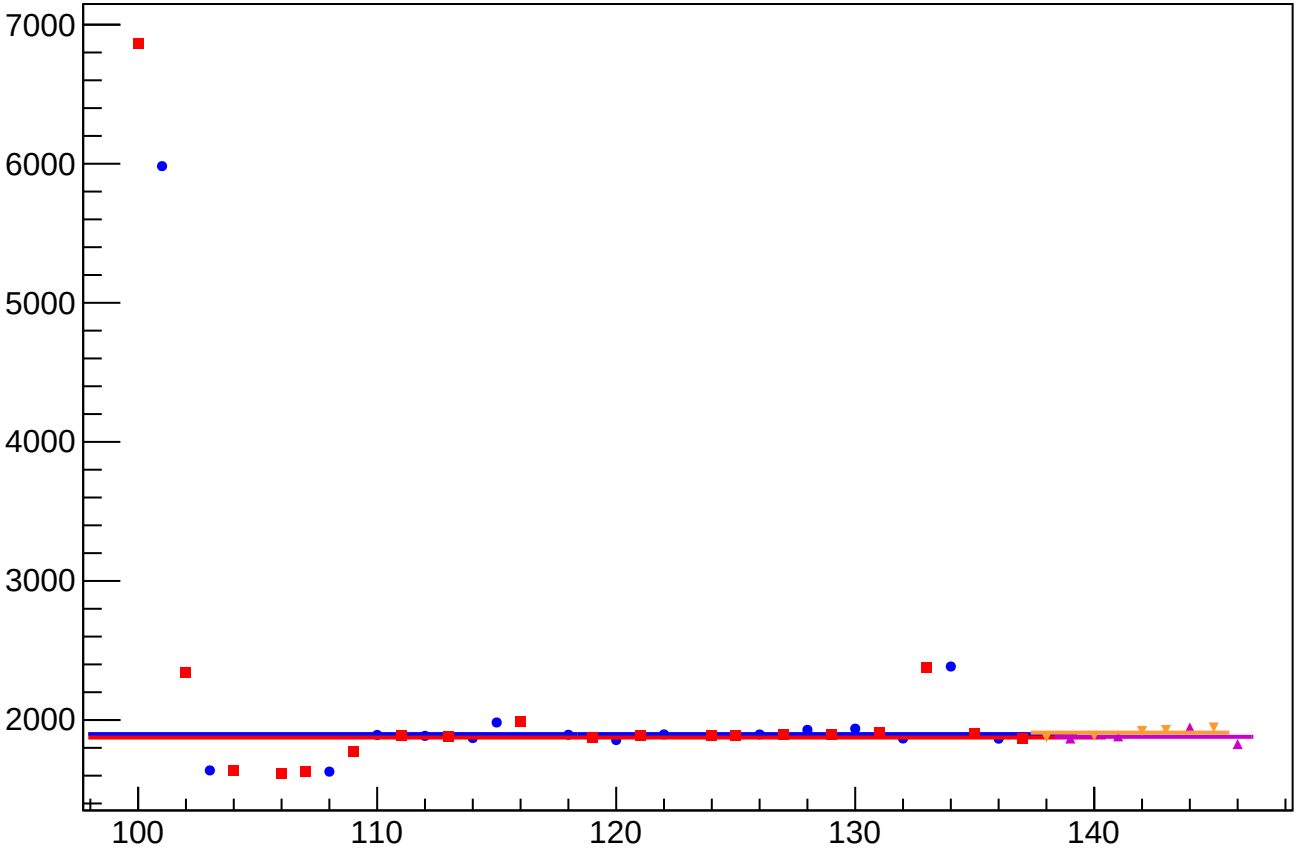
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -624.536+/-585.966 χ^2/NDF:18.8/19

Out: 635.282+/-573.711 χ^2/NDF:16.7/23

All: 18.686+/-409.939 χ^2/NDF: 37.8/43

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1909.449+/-0.703 χ^2/NDF:1583.2/4

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

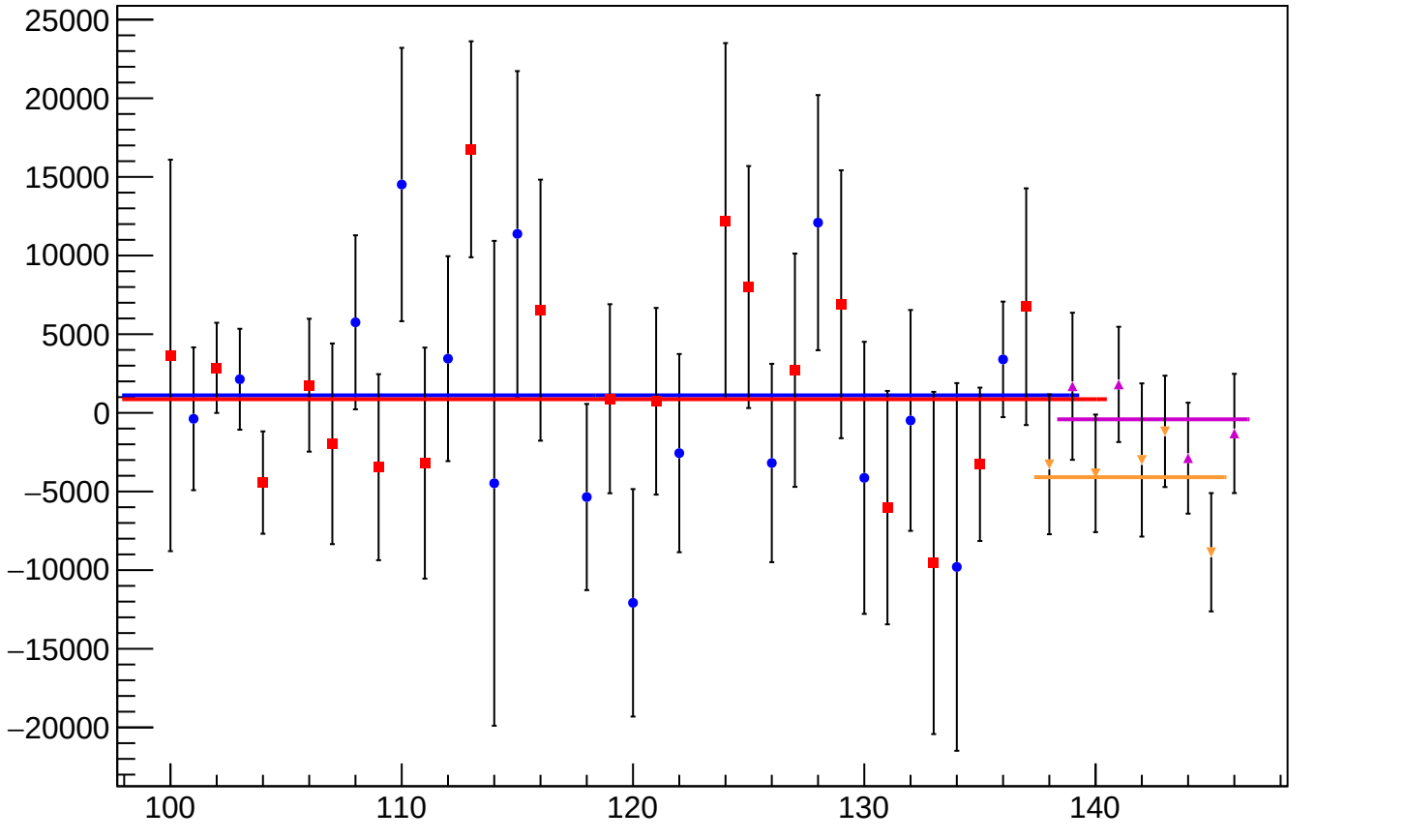
Left: 1894.481+/-0.498 χ^2/NDF: 6185.2/8

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1892.129+/-0.414 χ^2/NDF:701702.4/19

Out: 1885.931+/-0.405 χ^2/NDF:210917.6/23

All: 1888.957+/-0.290 χ^2/NDF: 912734.5/43



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -4090.493+/-1782.189 χ^2/NDF:2.4/4

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -411.236+/-1923.777 χ^2/NDF:1.1/3

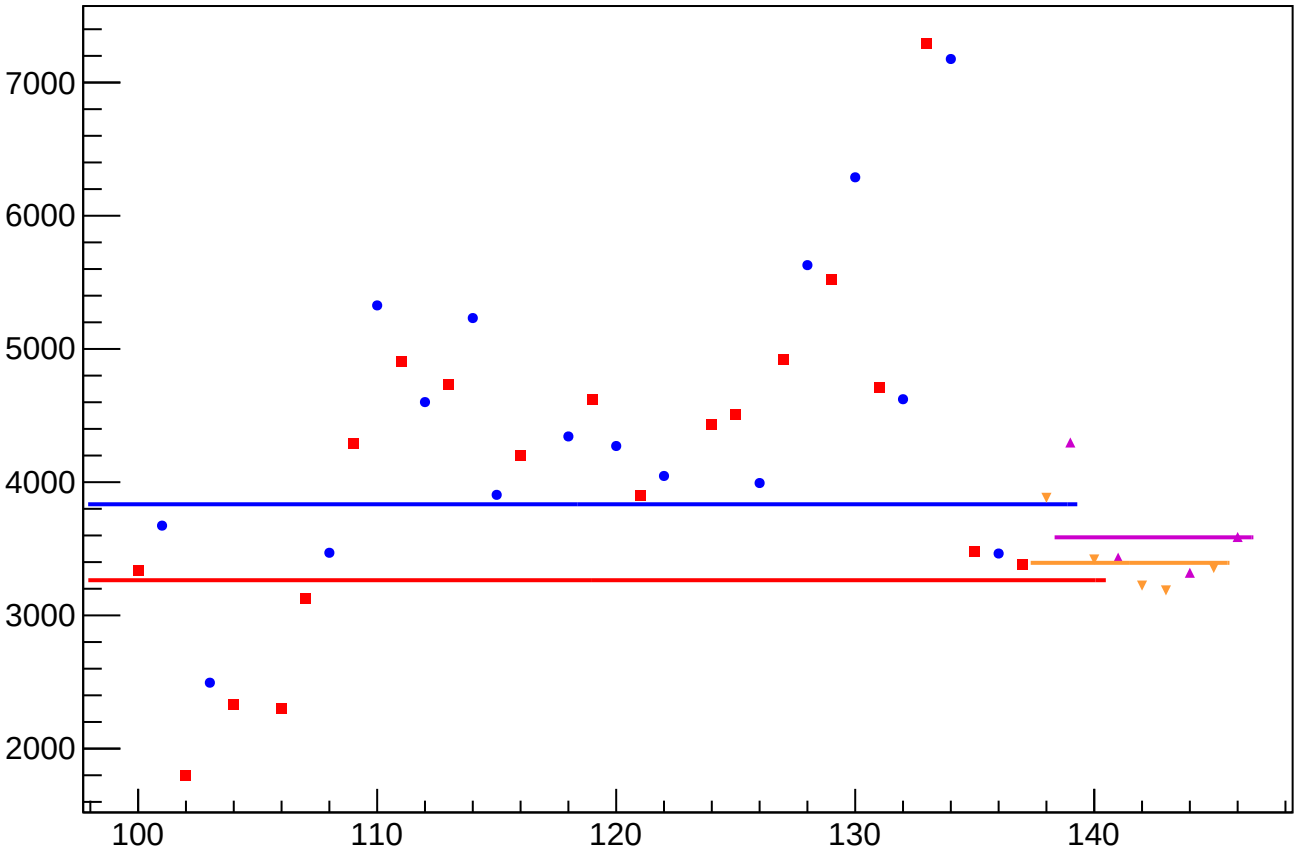
Left: -2391.228+/-1307.391 χ^2/NDF: 5.5/8

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 546.455+/-1172.667 χ^2/NDF:14.9/19

Out: -867.197+/-1054.071 χ^2/NDF:23.0/23

All: -235.449+/-783.927 χ^2/NDF: 38.7/43



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3394.566+/-1.260 χ^2/NDF:33725.9/4

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3586.027+/-1.360 χ^2/NDF:61192.1/3

Left: 3482.992+/-0.924 χ^2/NDF: 105578.5/8

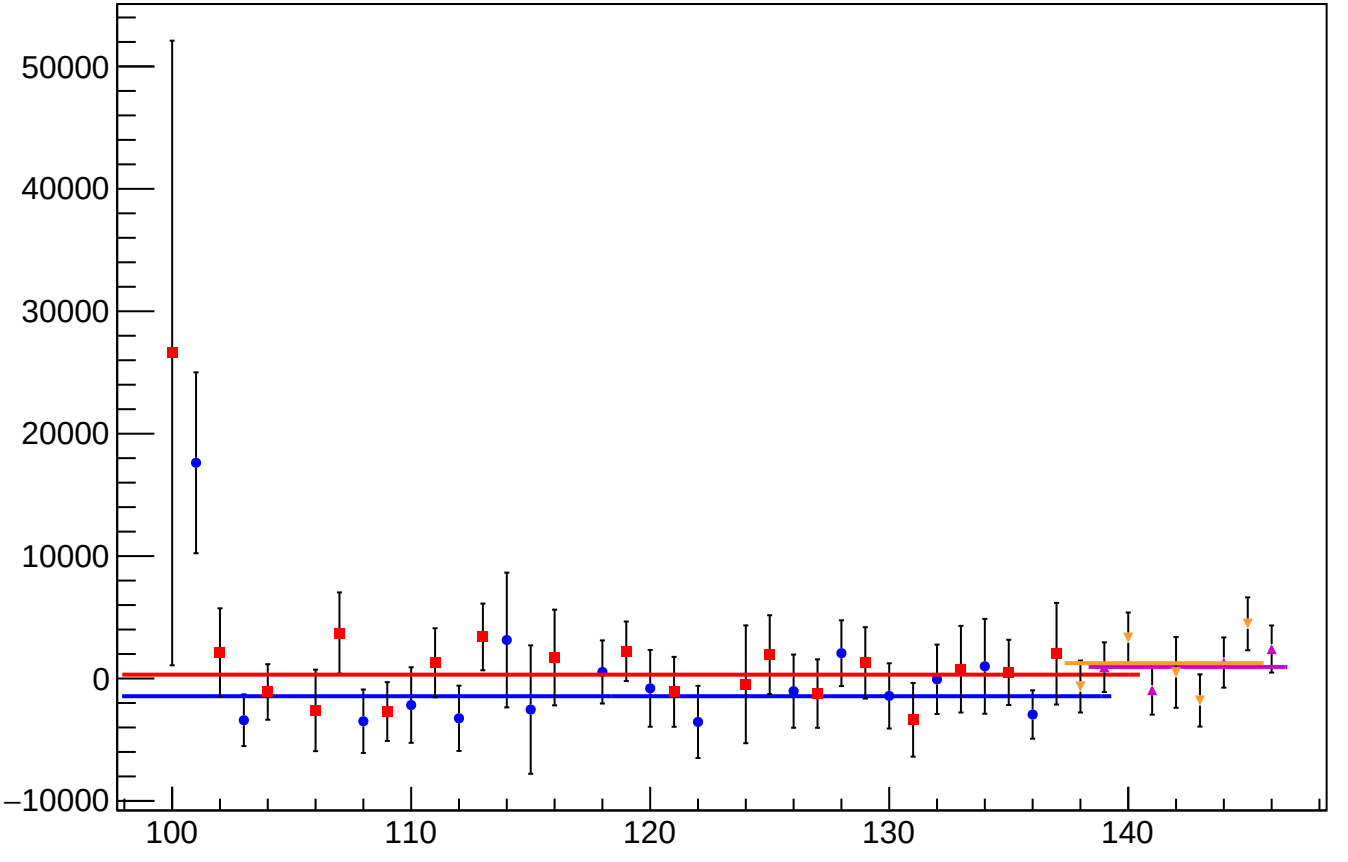
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3741.964+/-0.829 χ^2/NDF:1038878.0/19

Out: 3309.745+/-0.745 χ^2/NDF:1904935.0/23

All: 3502.900+/-0.554 χ^2/NDF: 3094092.1/43

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1254.204+/-993.699 χ^2/NDF:6.2/4

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 947.131+/-999.935 χ^2/NDF:1.5/3

Left: 1101.628+/-704.846 χ^2/NDF: 7.7/8

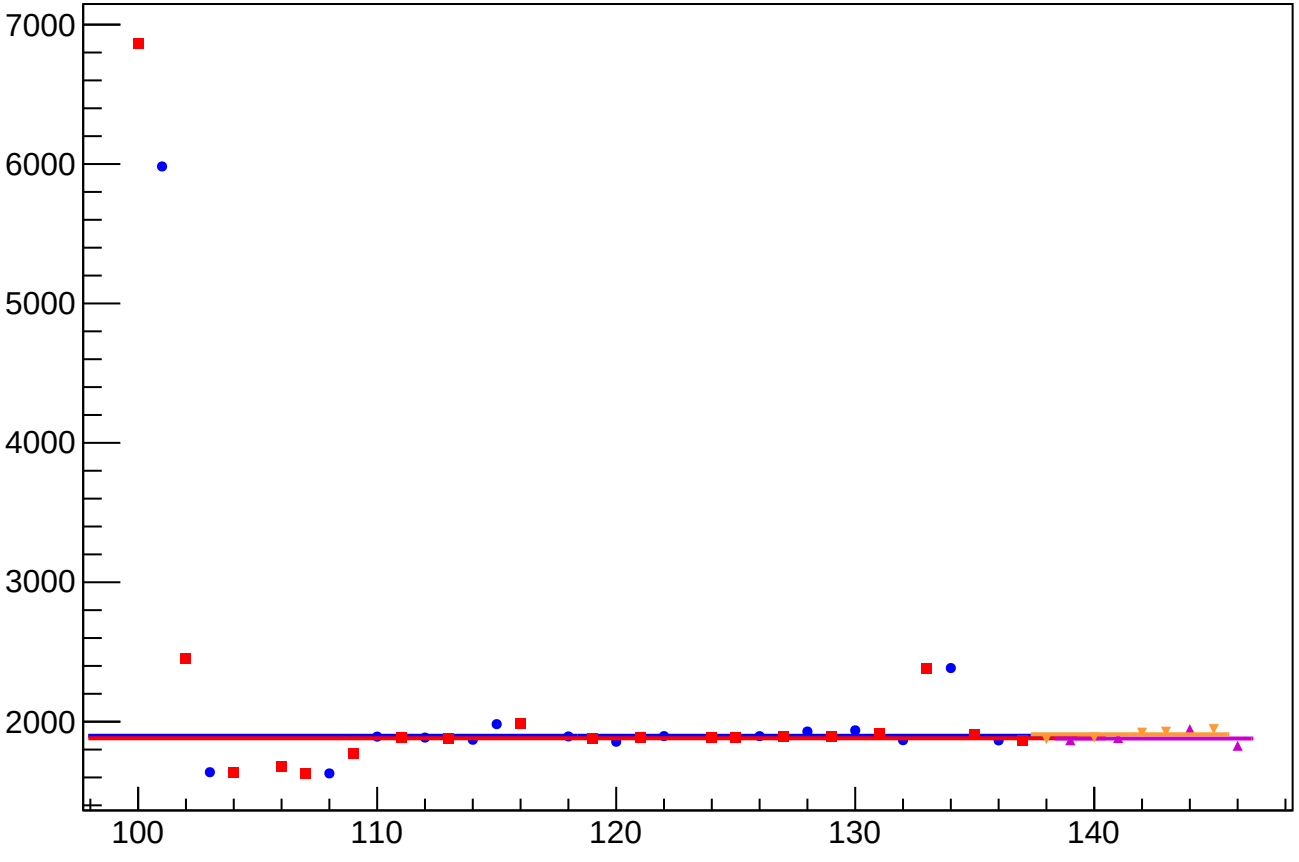
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -624.809+/-585.966 χ^2/NDF:18.7/19

Out: 628.937+/-574.226 χ^2/NDF:16.6/23

All: 14.750+/-410.127 χ^2/NDF: 37.7/43

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1909.449+/-0.703 χ^2/NDF:1583.2/4

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

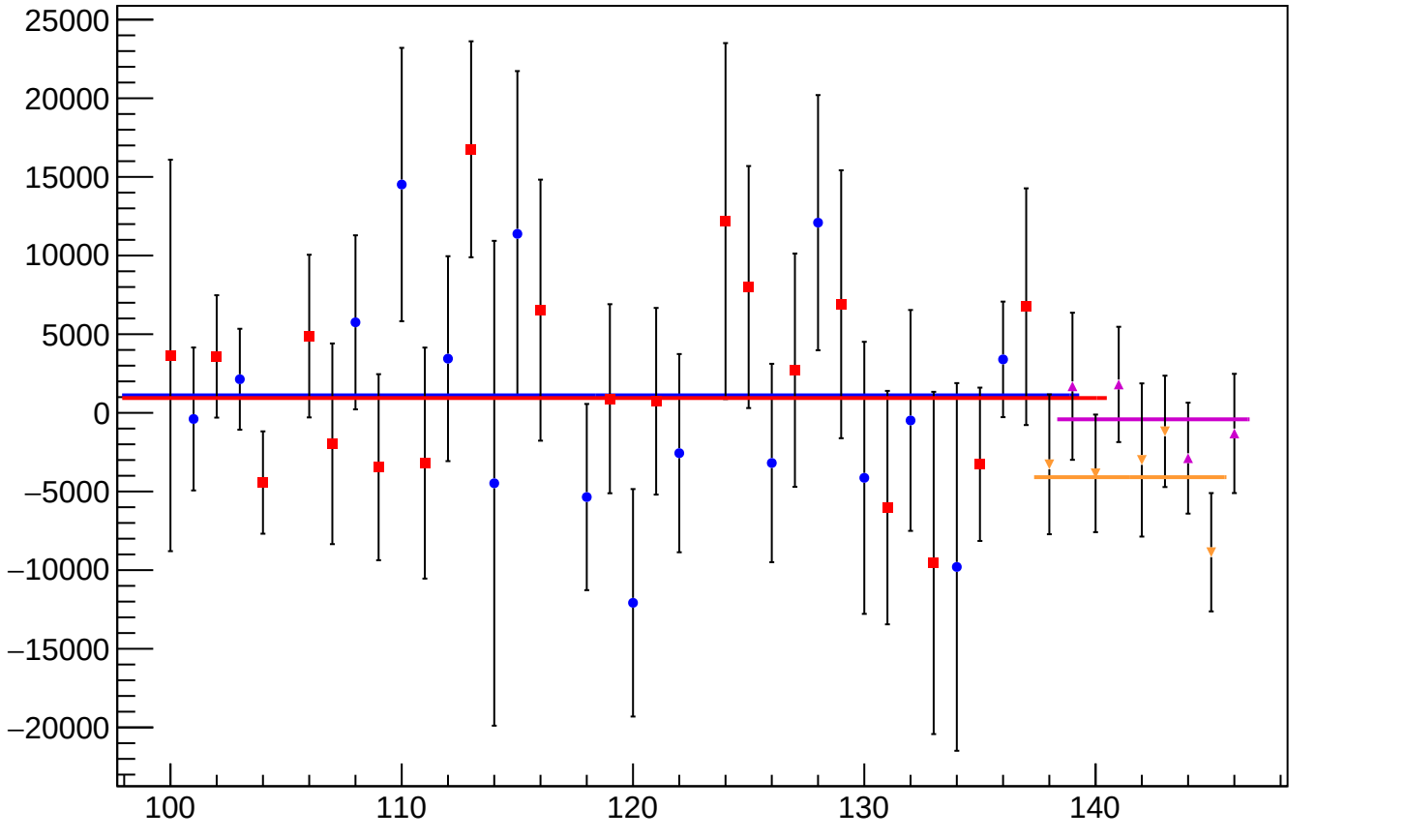
Left: 1894.481+/-0.498 χ^2/NDF: 6185.2/8

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1892.129+/-0.414 χ^2/NDF:701702.5/19

Out: 1890.485+/-0.406 χ^2/NDF:219240.1/23

All: 1891.289+/-0.290 χ^2/NDF: 920950.6/43



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -4090.209+/-1782.185 χ^2/NDF:2.4/4

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -411.370+/-1923.771 χ^2/NDF:1.1/3

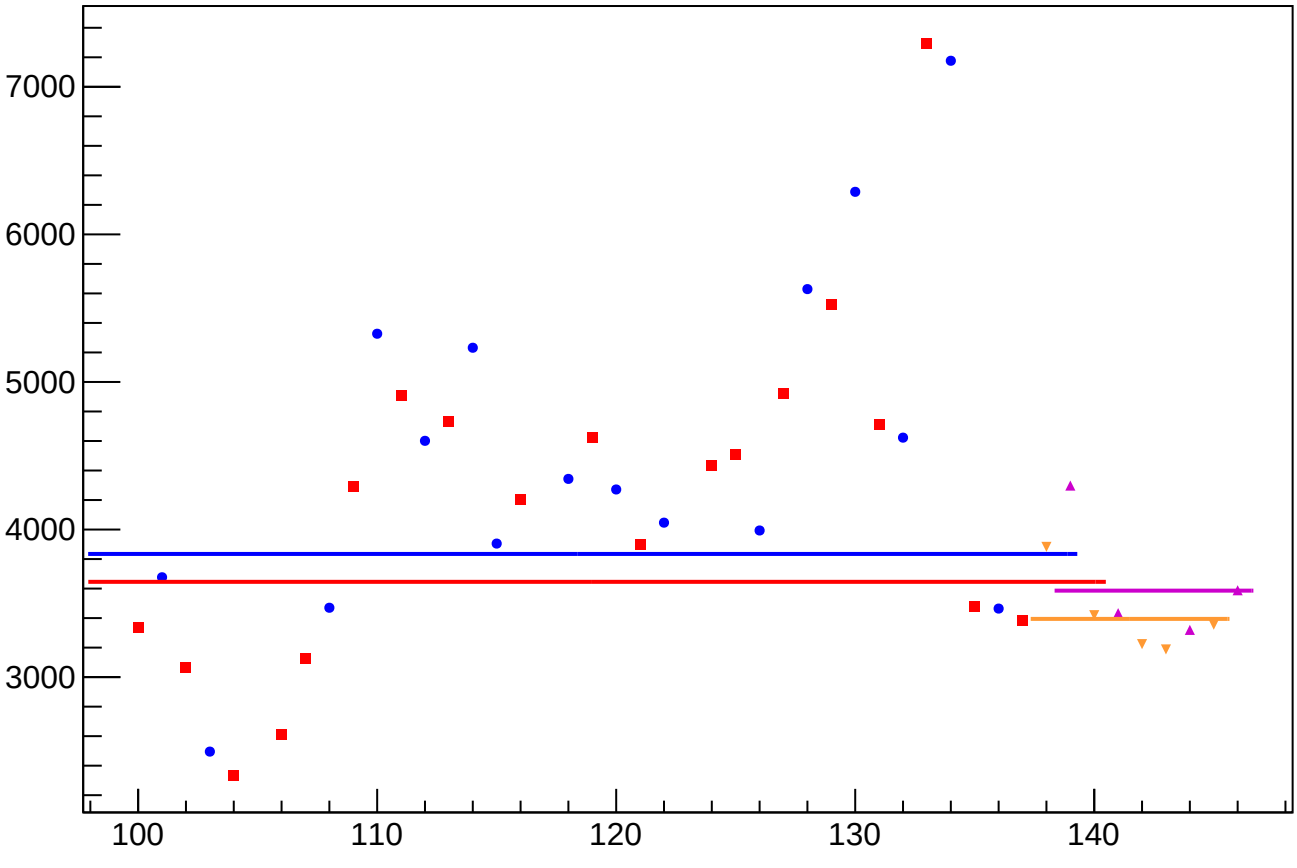
Left: -2391.135+/-1307.387 χ^2/NDF: 5.5/8

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 545.584+/-1172.752 χ^2/NDF:14.9/19

Out: -977.411+/-1100.442 χ^2/NDF:23.5/23

All: -264.311+/-802.476 χ^2/NDF: 39.3/43



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3394.558+/-1.260 χ^2/NDF:33727.9/4

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3586.015+/-1.360 χ^2/NDF:61192.3/3

Left: 3482.983+/-0.924 χ^2/NDF: 105580.4/8

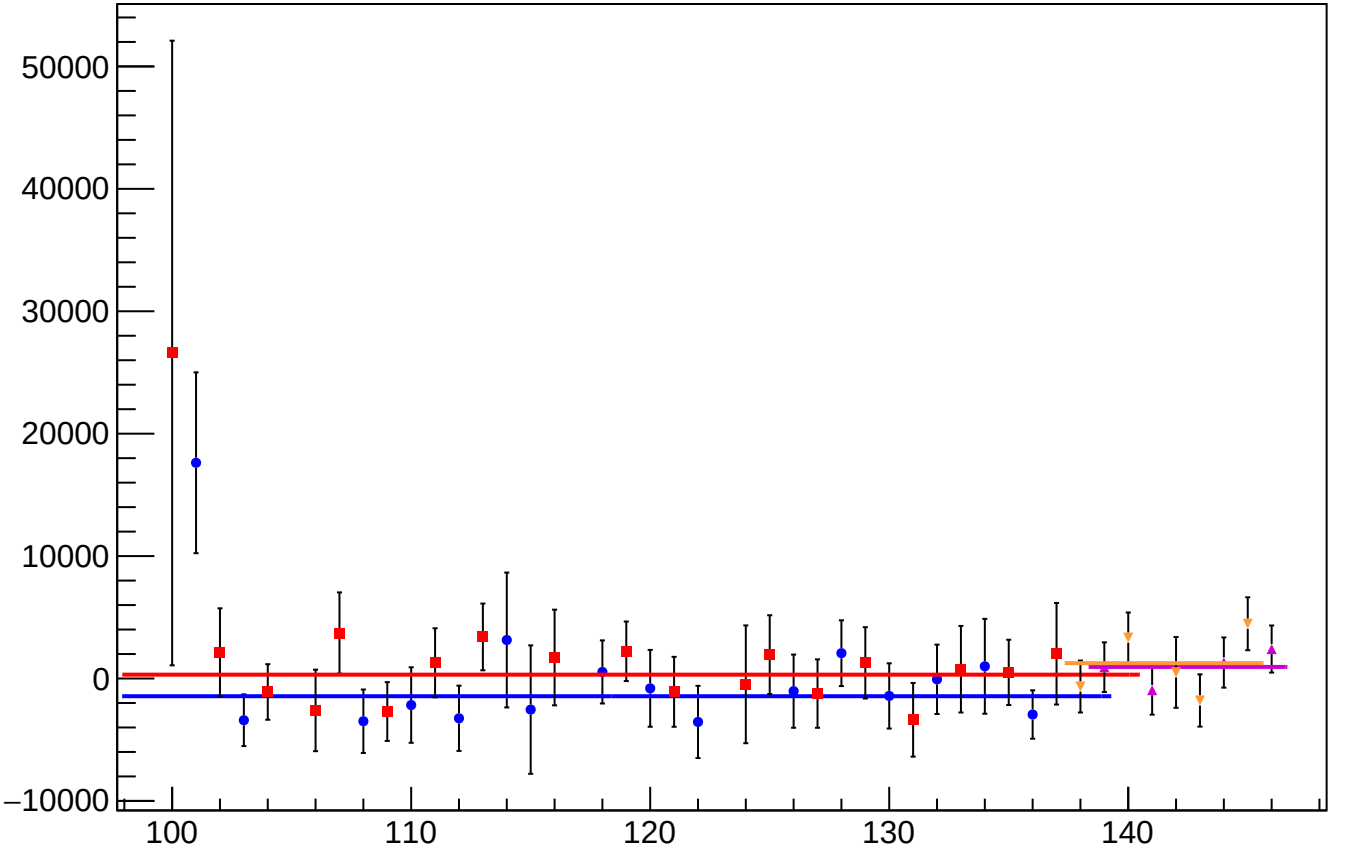
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3742.276+/-0.829 χ^2/NDF:1038503.8/19

Out: 3549.941+/-0.778 χ^2/NDF:1183280.6/23

All: 3639.997+/-0.567 χ^2/NDF: 2250390.7/43

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1254.204+/-993.699 χ^2/NDF:6.2/4

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 947.131+/-999.935 χ^2/NDF:1.5/3

Left: 1101.628+/-704.846 χ^2/NDF: 7.7/8

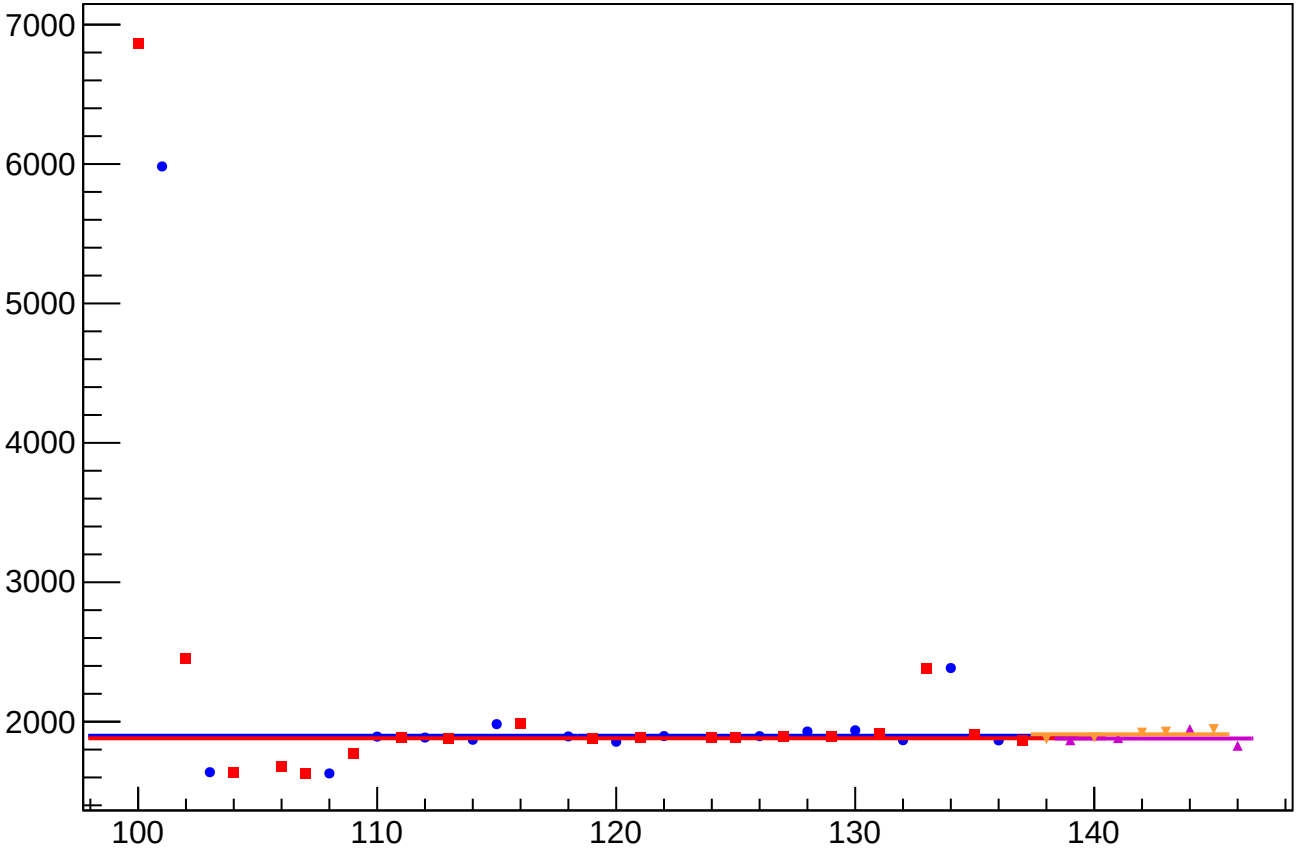
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -624.809+/-585.966 χ^2/NDF:18.7/19

Out: 628.937+/-574.226 χ^2/NDF:16.6/23

All: 14.750+/-410.127 χ^2/NDF: 37.7/43

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1909.449+/-0.703 χ^2/NDF:1583.2/4

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

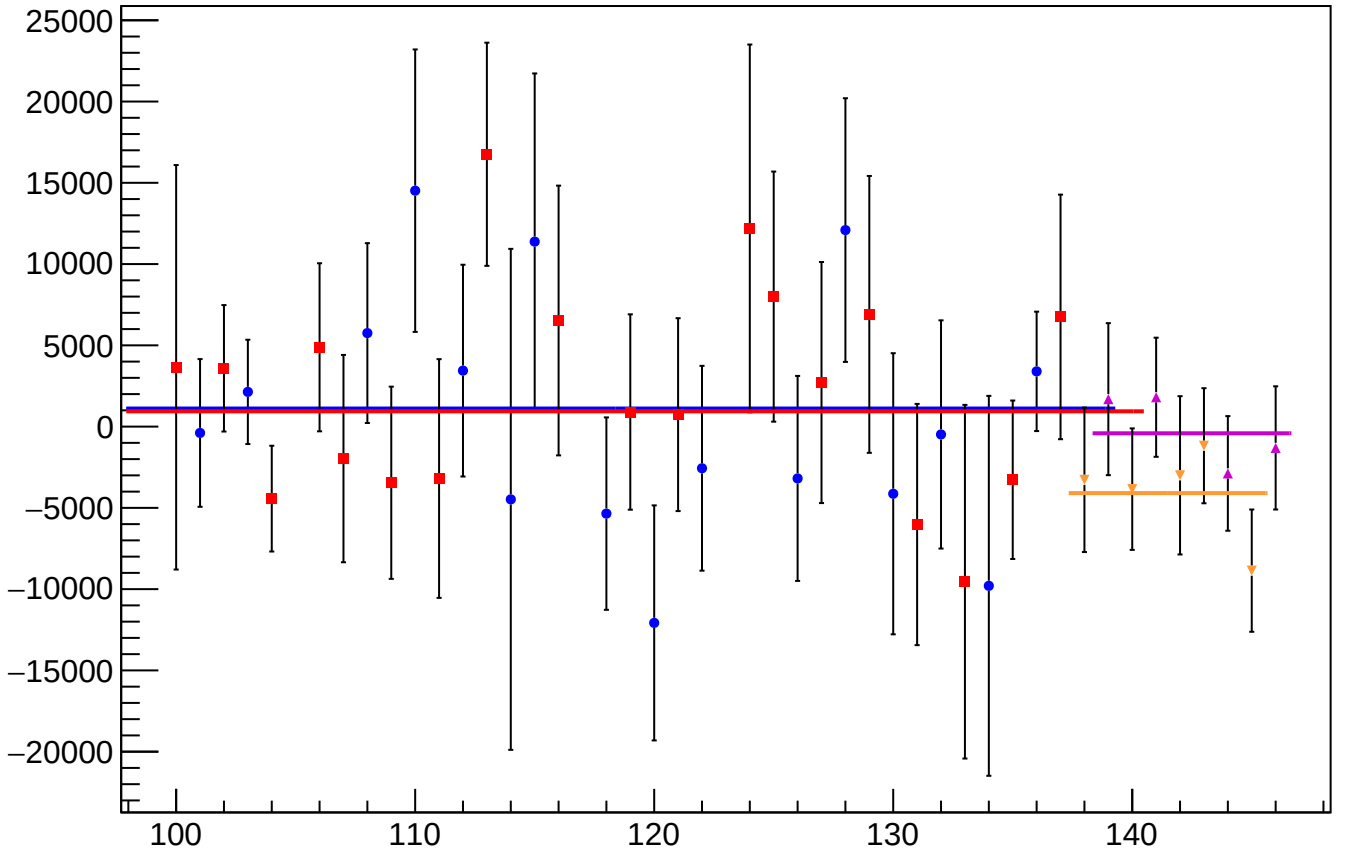
Left: 1894.481+/-0.498 χ^2/NDF: 6185.2/8

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1892.129+/-0.414 χ^2/NDF:701702.5/19

Out: 1890.485+/-0.406 χ^2/NDF:219240.1/23

All: 1891.289+/-0.290 χ^2/NDF: 920950.6/43



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -4090.209+/-1782.185 χ^2/NDF:2.4/4

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -411.370+/-1923.771 χ^2/NDF:1.1/3

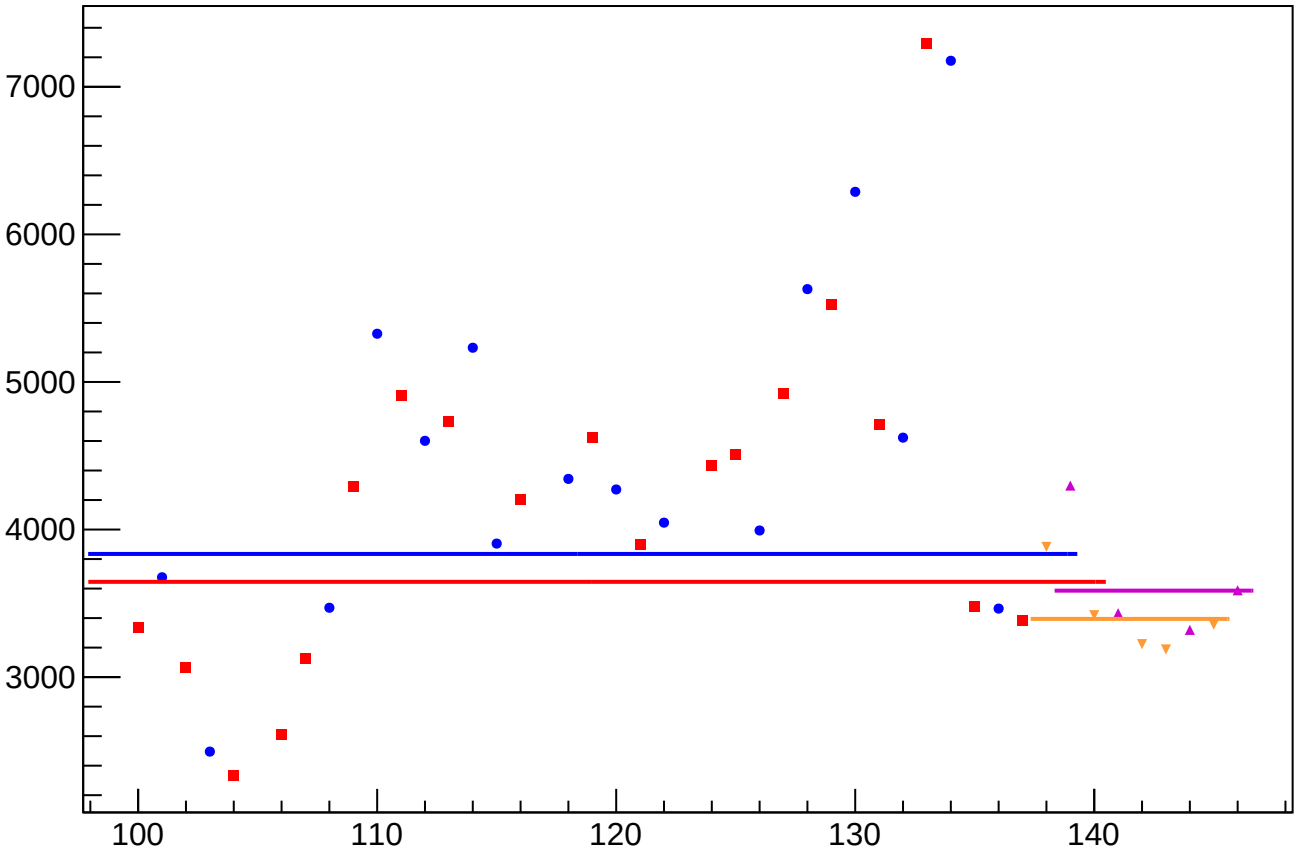
Left: -2391.135+/-1307.387 χ^2/NDF: 5.5/8

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 545.584+/-1172.752 χ^2/NDF:14.9/19

Out: -977.411+/-1100.442 χ^2/NDF:23.5/23

All: -264.311+/-802.476 χ^2/NDF: 39.3/43



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3394.558+/-1.260 χ^2/NDF:33727.9/4

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3586.015+/-1.360 χ^2/NDF:61192.3/3

Left: 3482.983+/-0.924 χ^2/NDF: 105580.4/8

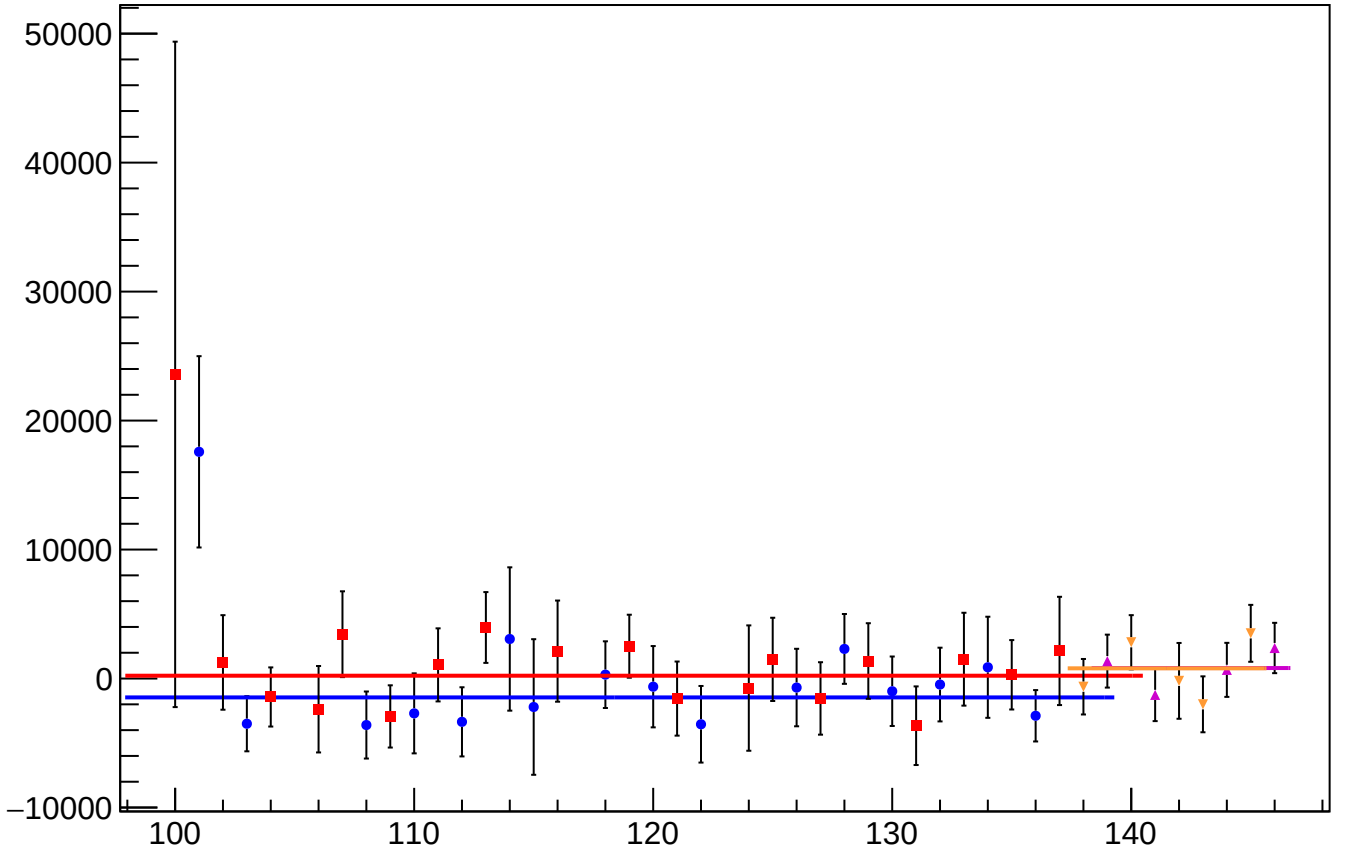
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3742.276+/-0.829 χ^2/NDF:1038503.8/19

Out: 3549.941+/-0.778 χ^2/NDF:1183280.6/23

All: 3639.997+/-0.567 χ^2/NDF: 2250390.7/43

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 792.285+/-1012.066 χ^2/NDF:4.6/4

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: 814.308+/-1015.467 χ^2/NDF:1.8/3

Left: 803.260+/-716.838 χ^2/NDF: 6.4/8

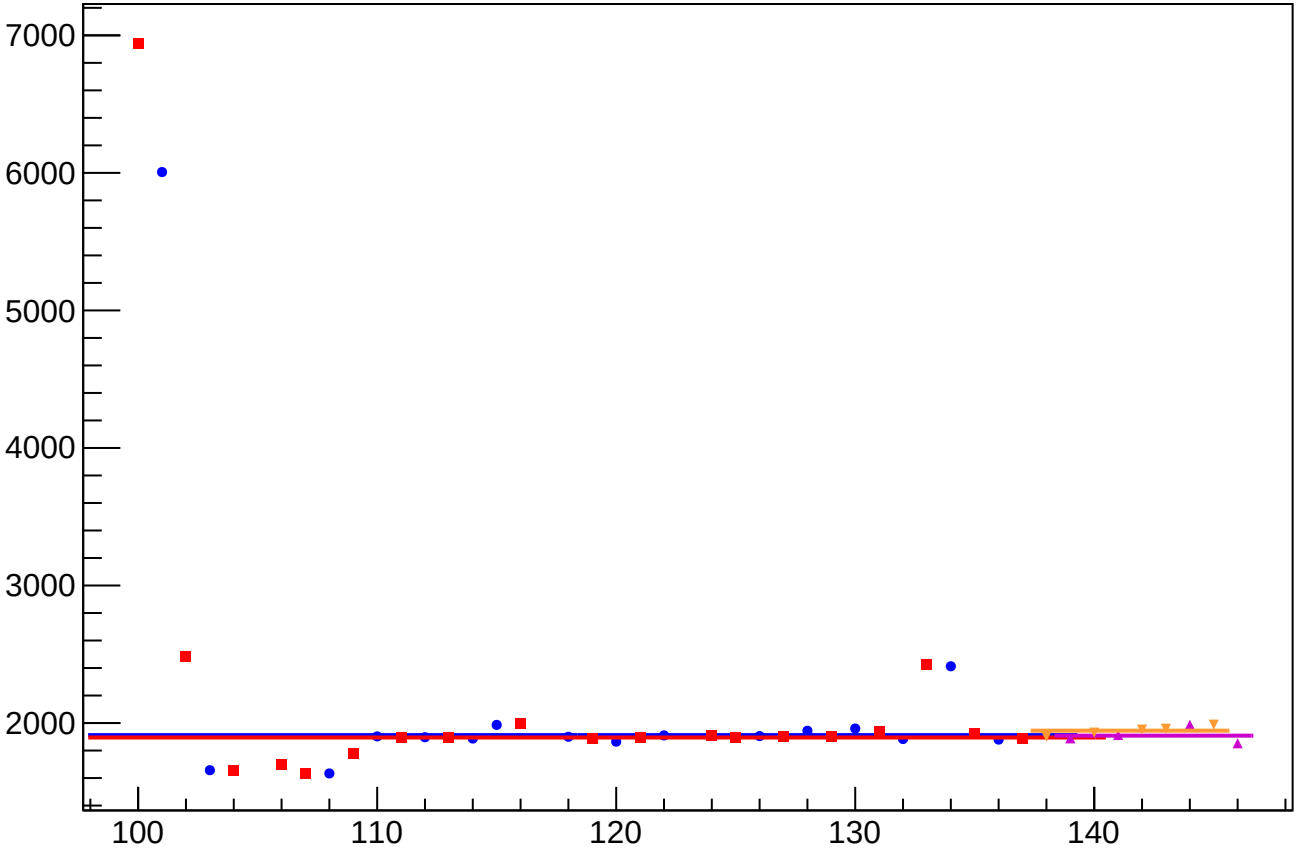
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -689.274+/-591.809 χ^2/NDF:18.6/19

Out: 408.162+/-580.605 χ^2/NDF:15.7/23

All: -130.069+/-414.454 χ^2/NDF: 36.0/43

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1944.620+/-0.716 χ^2/NDF:1808.1/4

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1908.340+/-0.718 χ^2/NDF:4689.8/3

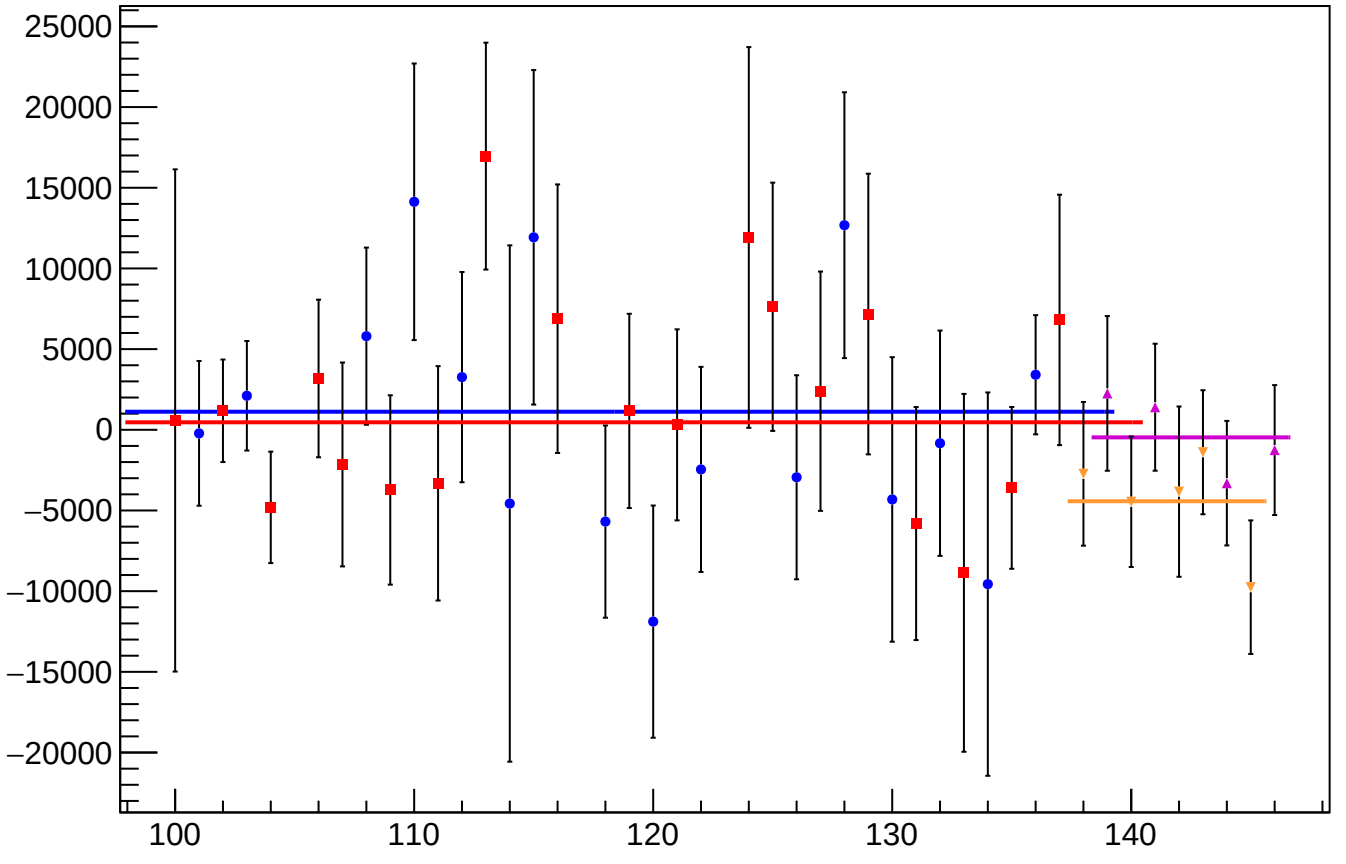
Left: 1926.541+/-0.507 χ^2/NDF: 7778.7/8

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1911.007+/-0.418 χ^2/NDF:700931.0/19

Out: 1911.150+/-0.410 χ^2/NDF:224847.9/23

All: 1911.080+/-0.293 χ^2/NDF: 925779.0/43



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -4428.063+/-1911.630 χ^2/NDF:2.4/4

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -469.489+/-2054.471 χ^2/NDF:1.1/3

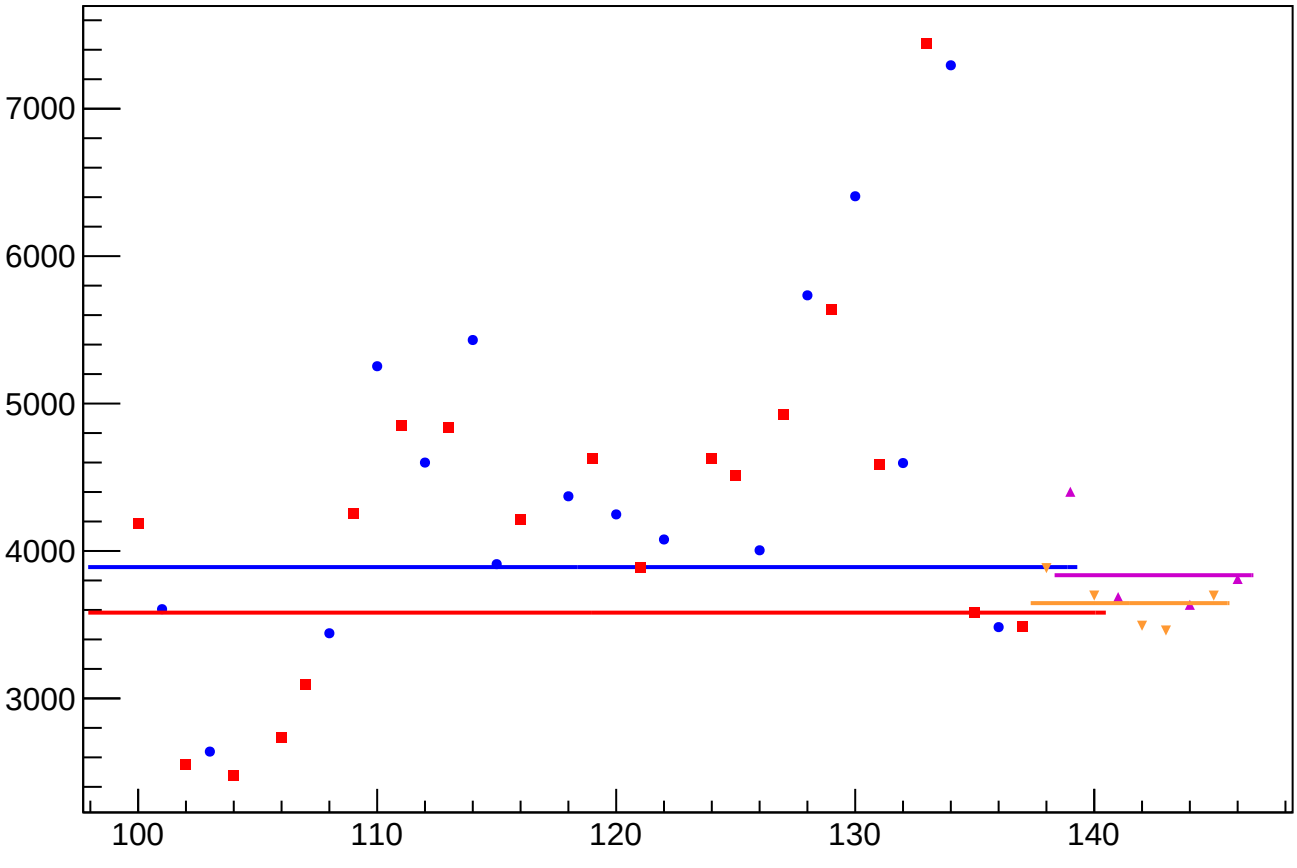
Left: -2591.161+/-1399.502 χ^2/NDF: 5.6/8

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 568.547+/-1210.236 χ^2/NDF:15.0/19

Out: -1197.080+/-1113.999 χ^2/NDF:21.8/23

All: -387.249+/-819.630 χ^2/NDF: 37.9/43



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3646.280+/-1.352 χ^2/NDF:12664.1/4

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3835.688+/-1.453 χ^2/NDF:36220.7/3

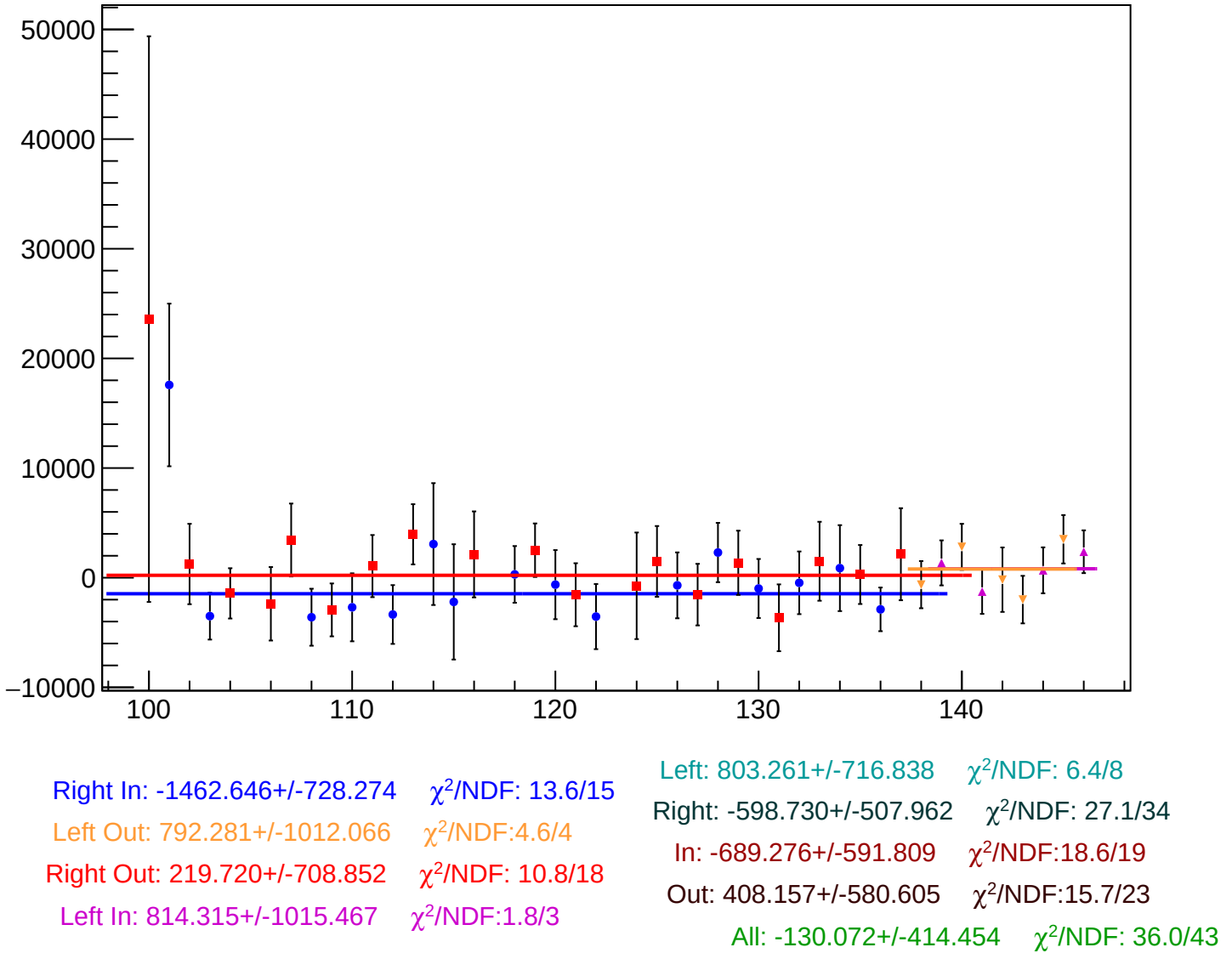
Left: 3734.171+/-0.990 χ^2/NDF: 57995.7/8

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

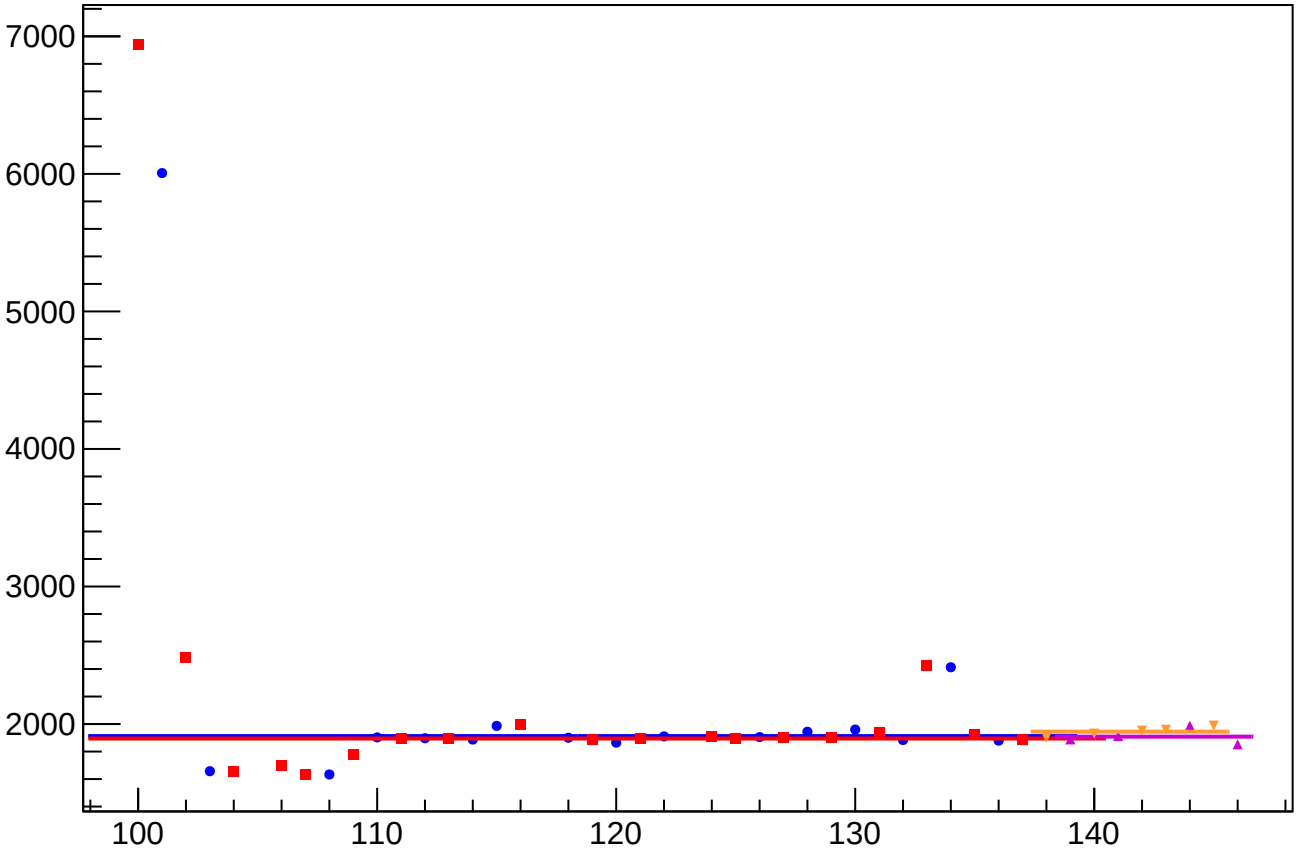
In: 3871.615+/-0.856 χ^2/NDF:915575.6/19

Out: 3603.684+/-0.788 χ^2/NDF:1236023.0/23

All: 3726.575+/-0.580 χ^2/NDF: 2204662.9/43


eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
Right In: -1462.646+/-728.274 χ²/NDF: 13.6/15
Left Out: 792.281+/-1012.066 χ²/NDF:4.6/4
Right Out: 219.720+/-708.852 χ²/NDF: 10.8/18
Left In: 814.315+/-1015.467 χ²/NDF:1.8/3
Left: 803.261+/-716.838 χ²/NDF: 6.4/8
Right: -598.730+/-507.962 χ²/NDF: 27.1/34
In: -689.276+/-591.809 χ²/NDF:18.6/19
Out: 408.157+/-580.605 χ²/NDF:15.7/23
All: -130.072+/-414.454 χ²/NDF: 36.0/43

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1944.621+/-0.716 χ^2/NDF:1808.2/4

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1908.340+/-0.718 χ^2/NDF:4689.8/3

Left: 1926.542+/-0.507 χ^2/NDF: 7778.8/8

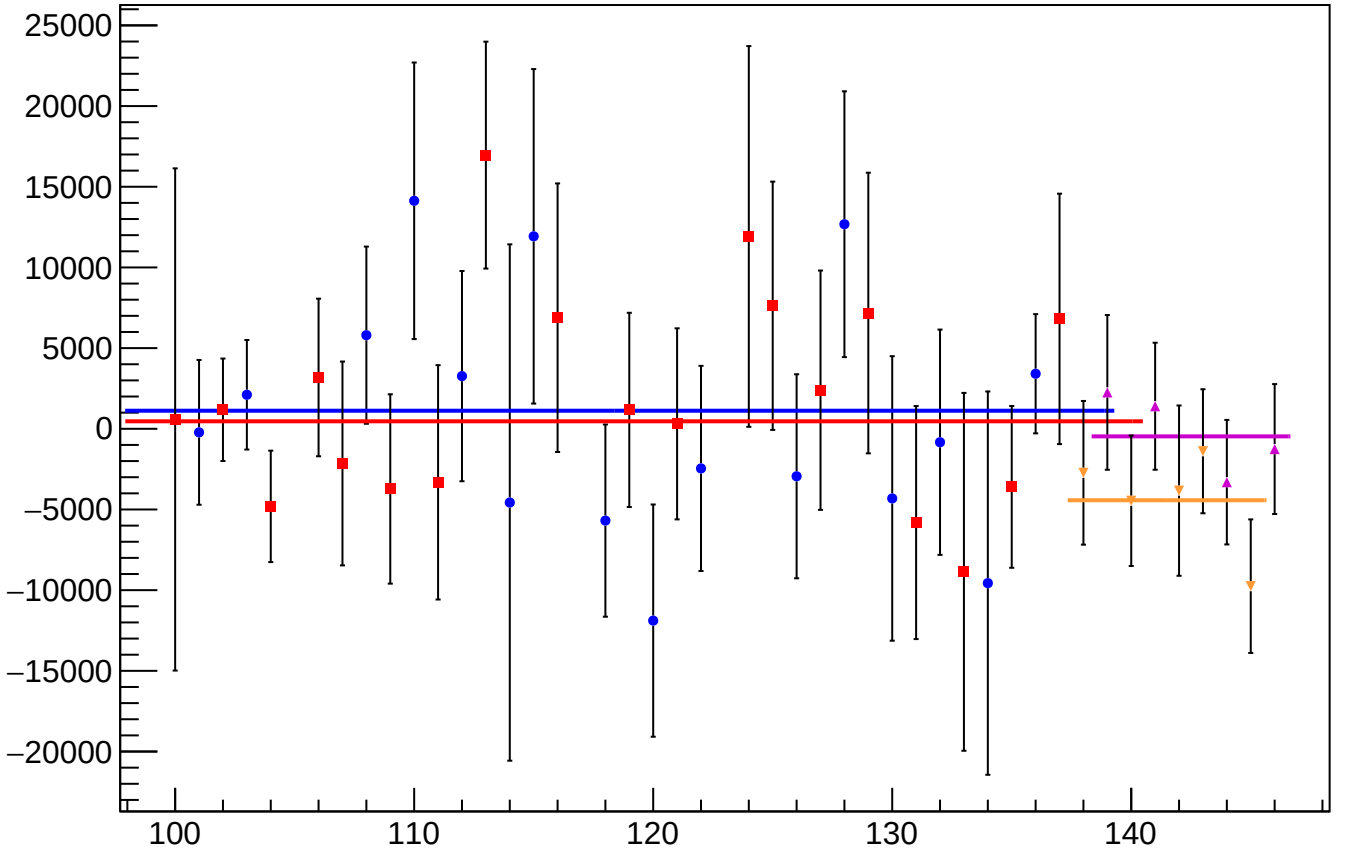
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1911.007+/-0.418 χ^2/NDF:700930.8/19

Out: 1911.150+/-0.410 χ^2/NDF:224848.0/23

All: 1911.080+/-0.293 χ^2/NDF: 925778.9/43

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: -4428.069+/-1911.632 χ^2/NDF:2.4/4

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -469.481+/-2054.473 χ^2/NDF:1.1/3

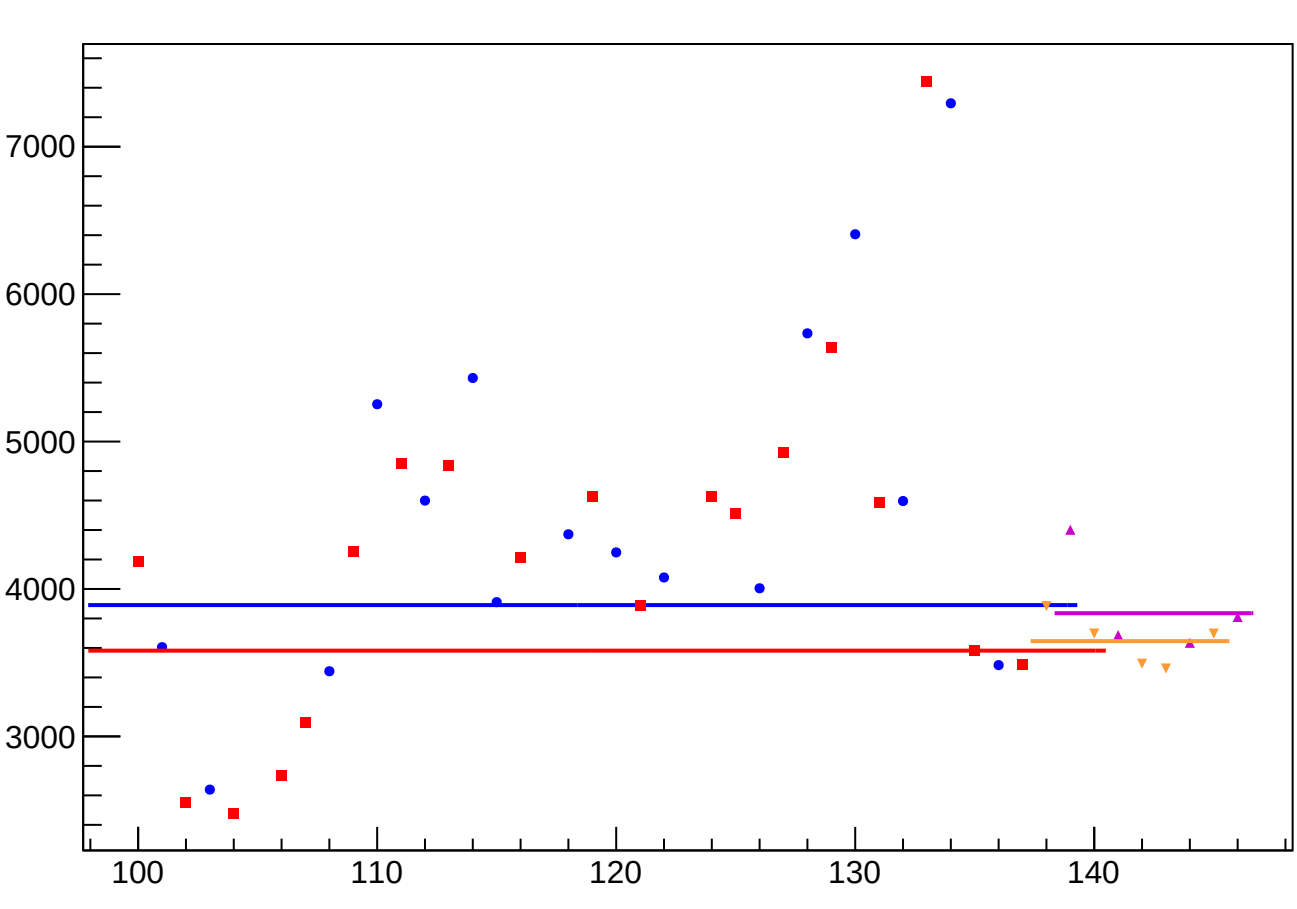
Left: -2591.161+/-1399.504 χ^2/NDF: 5.6/8

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 568.542+/-1210.236 χ^2/NDF:15.0/19

Out: -1197.077+/-1113.999 χ^2/NDF:21.8/23

All: -387.249+/-819.630 χ^2/NDF: 37.9/43



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3646.285+/-1.352 χ^2/NDF:12664.1/4

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3835.691+/-1.453 χ^2/NDF:36221.6/3

Left: 3734.175+/-0.990 χ^2/NDF: 57996.5/8

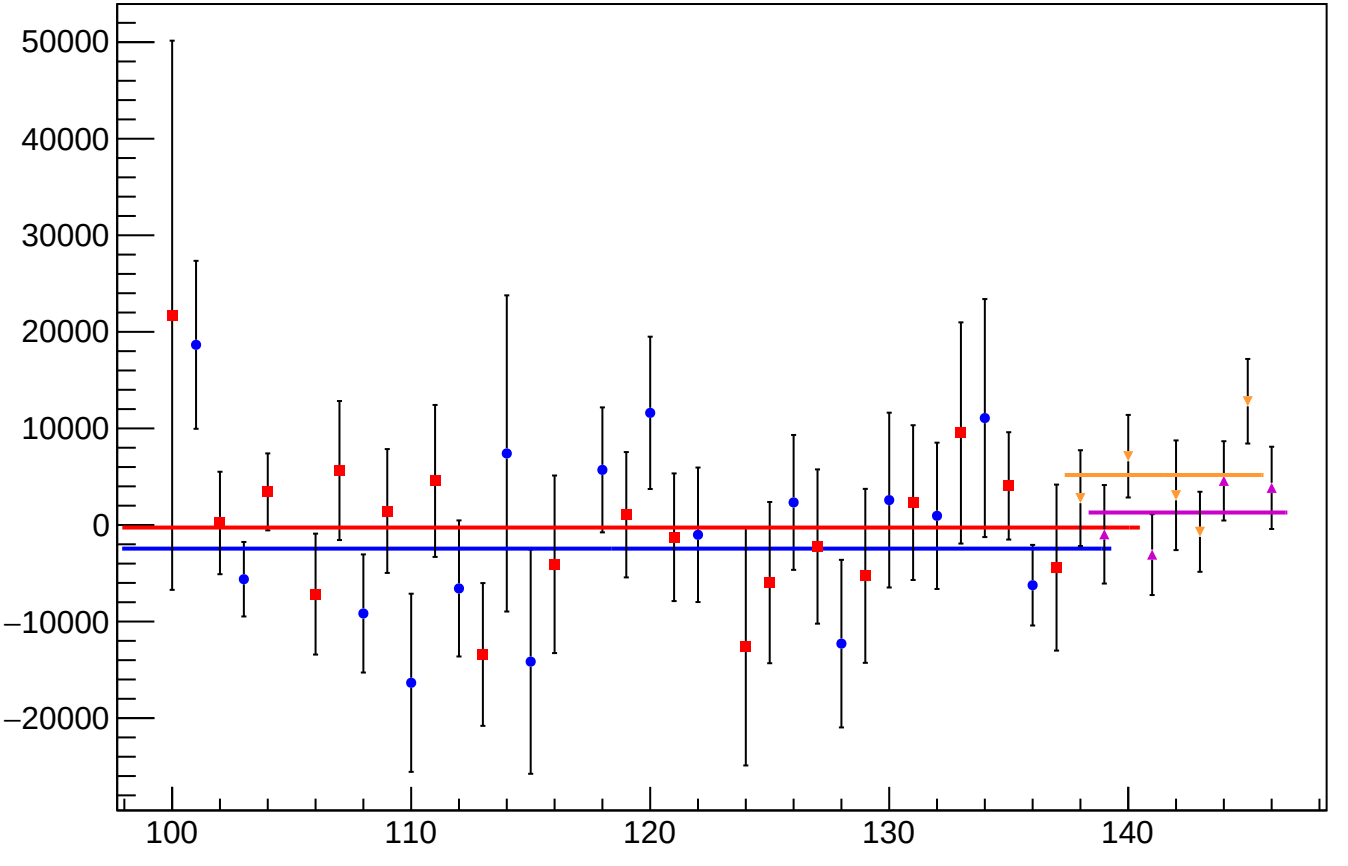
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3871.615+/-0.856 χ^2/NDF:915567.4/19

Out: 3603.684+/-0.788 χ^2/NDF:1236014.7/23

All: 3726.574+/-0.580 χ^2/NDF: 2204646.4/43

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 5176.282+/-2055.475 χ^2/NDF:5.6/4

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 1290.932+/-2182.706 χ^2/NDF:2.3/3

Left: 3350.142+/-1496.399 χ^2/NDF: 9.6/8

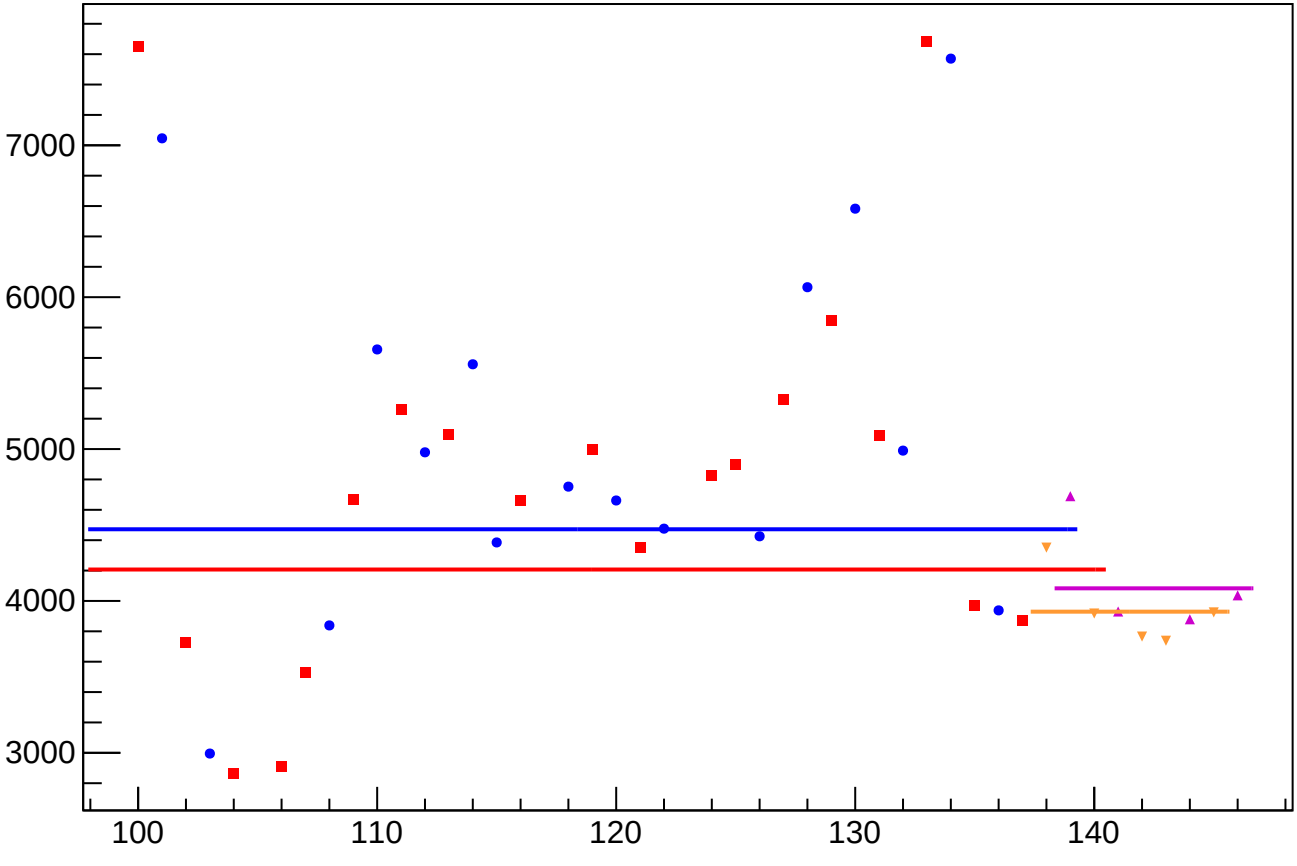
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1016.154+/-1350.809 χ^2/NDF:24.9/19

Out: 1823.416+/-1273.581 χ^2/NDF:20.7/23

All: 487.118+/-926.658 χ^2/NDF: 47.9/43

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3929.402+/-1.453 χ^2/NDF:20401.5/4

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4083.030+/-1.543 χ^2/NDF:36110.9/3

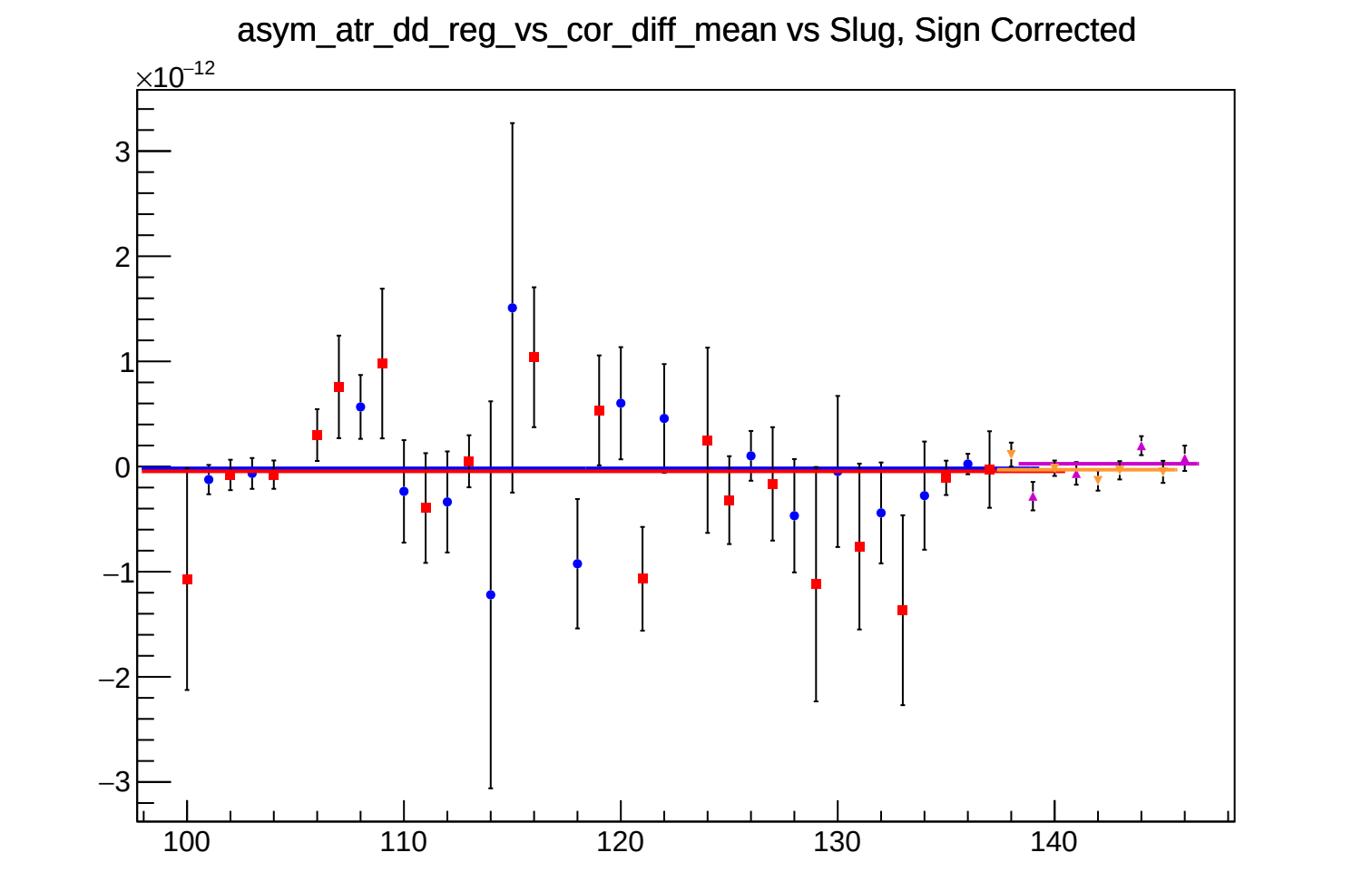
Left: 4001.608+/-1.058 χ^2/NDF: 61763.5/8

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4322.966+/-0.955 χ^2/NDF:966958.4/19

Out: 4101.443+/-0.896 χ^2/NDF:889526.7/23

All: 4205.133+/-0.653 χ^2/NDF: 1885095.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.8/4

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/3

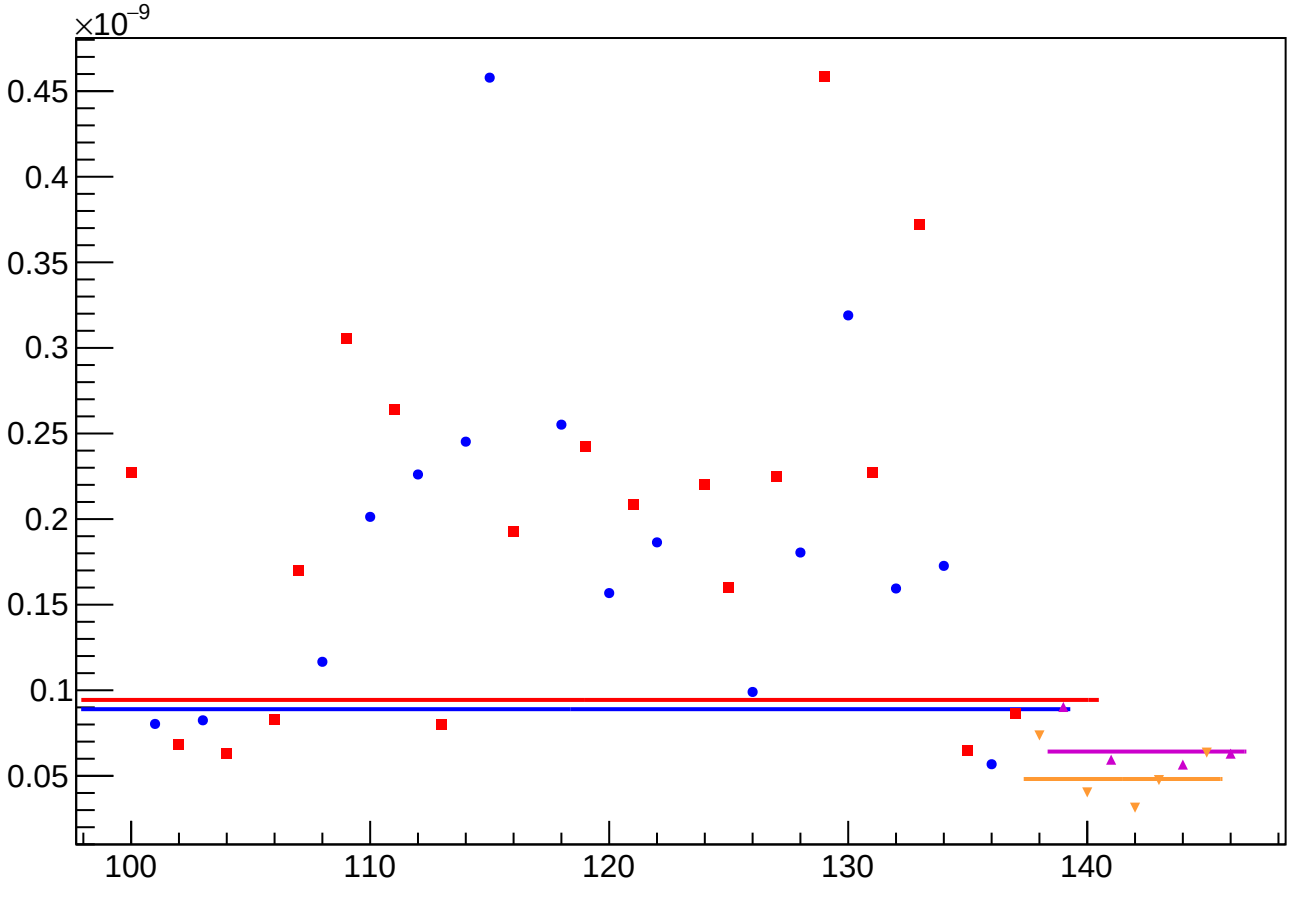
Left: -0.000+/-0.000 χ^2/NDF: 13.2/8

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:22.7/19

Out: -0.000+/-0.000 χ^2/NDF:24.0/23

All: -0.000+/-0.000 χ^2/NDF: 47.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:226091.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:92222.0/3

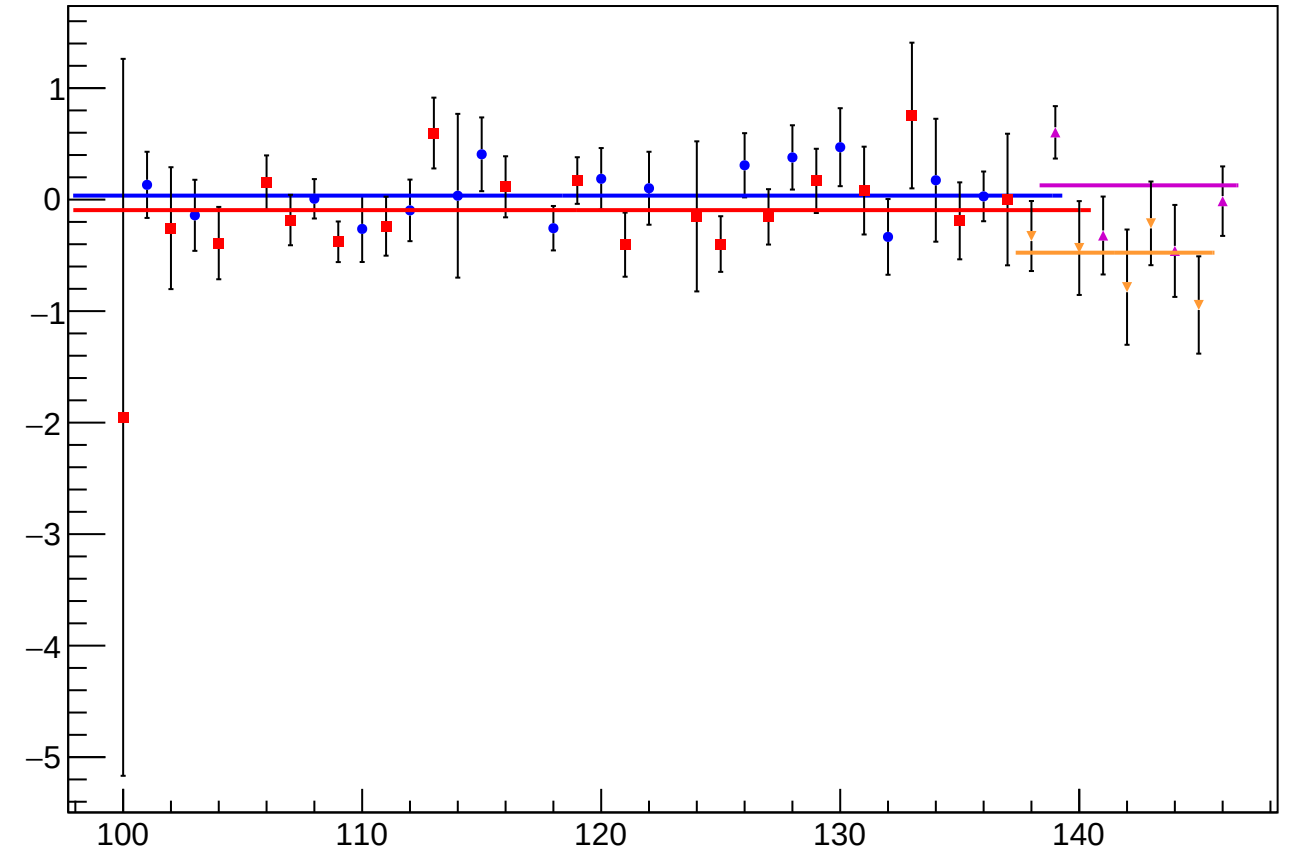
Left: 0.000+/-0.000 χ^2/NDF: 427650.9/8

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1502937.0/19

Out: 0.000+/-0.000 χ^2/NDF:2596214.1/23

All: 0.000+/-0.000 χ^2/NDF: 4247695.3/43



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.476+/-0.177 χ^2/NDF:2.2/4

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.128+/-0.153 χ^2/NDF:8.0/3

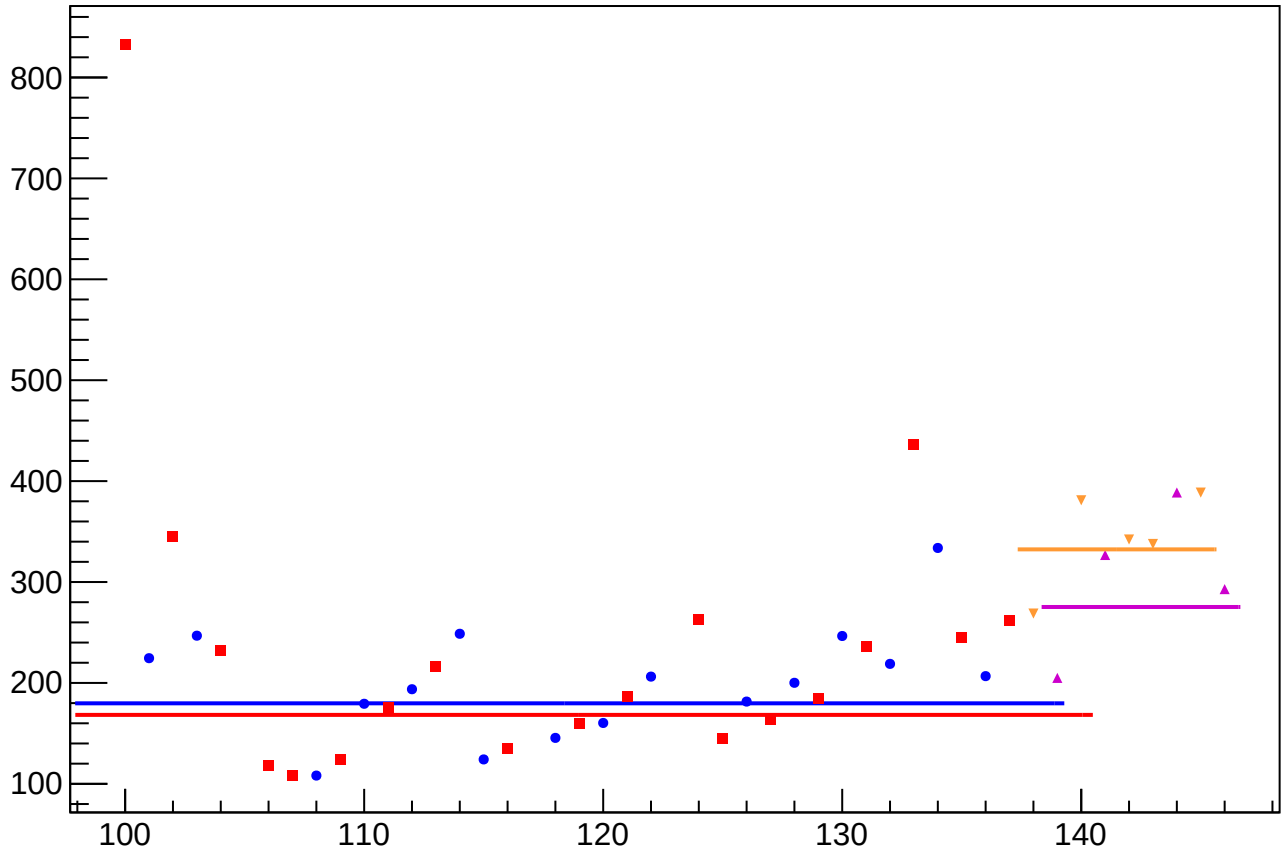
Left: -0.131+/-0.116 χ^2/NDF: 16.9/8

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.052+/-0.064 χ^2/NDF:18.8/19

Out: -0.143+/-0.063 χ^2/NDF:23.9/23

All: -0.047+/-0.045 χ^2/NDF: 47.4/43



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 332.358+/-0.125 χ^2/NDF:143135.3/4

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 275.264+/-0.109 χ^2/NDF:379933.9/3

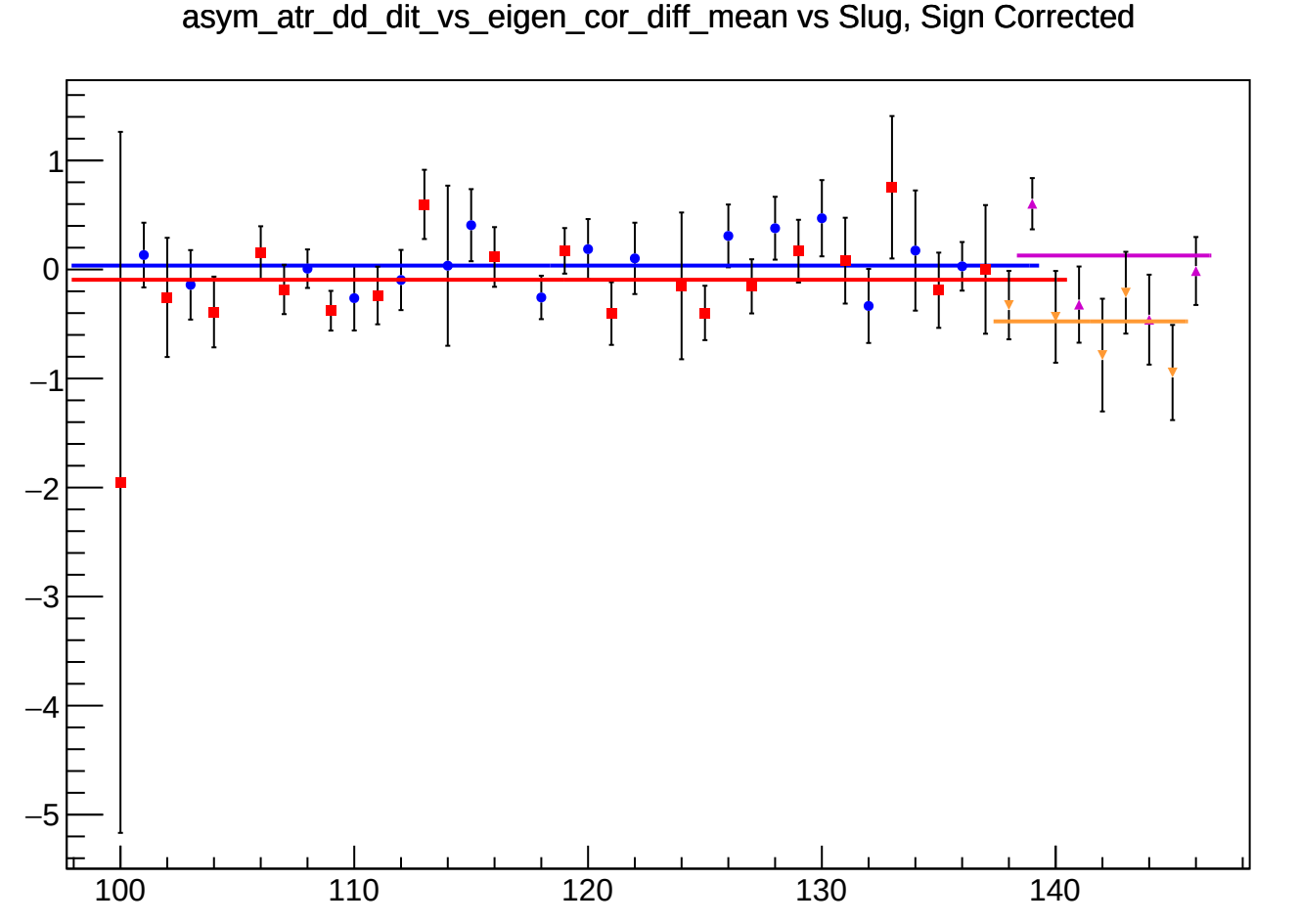
Left: 299.753+/-0.082 χ^2/NDF: 641796.5/8

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 196.463+/-0.045 χ^2/NDF:1937308.2/19

Out: 189.215+/-0.045 χ^2/NDF:3049918.8/23

All: 192.785+/-0.032 χ^2/NDF: 5000190.3/43



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.476+/-0.177 χ^2/NDF:2.2/4

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.128+/-0.153 χ^2/NDF:8.0/3

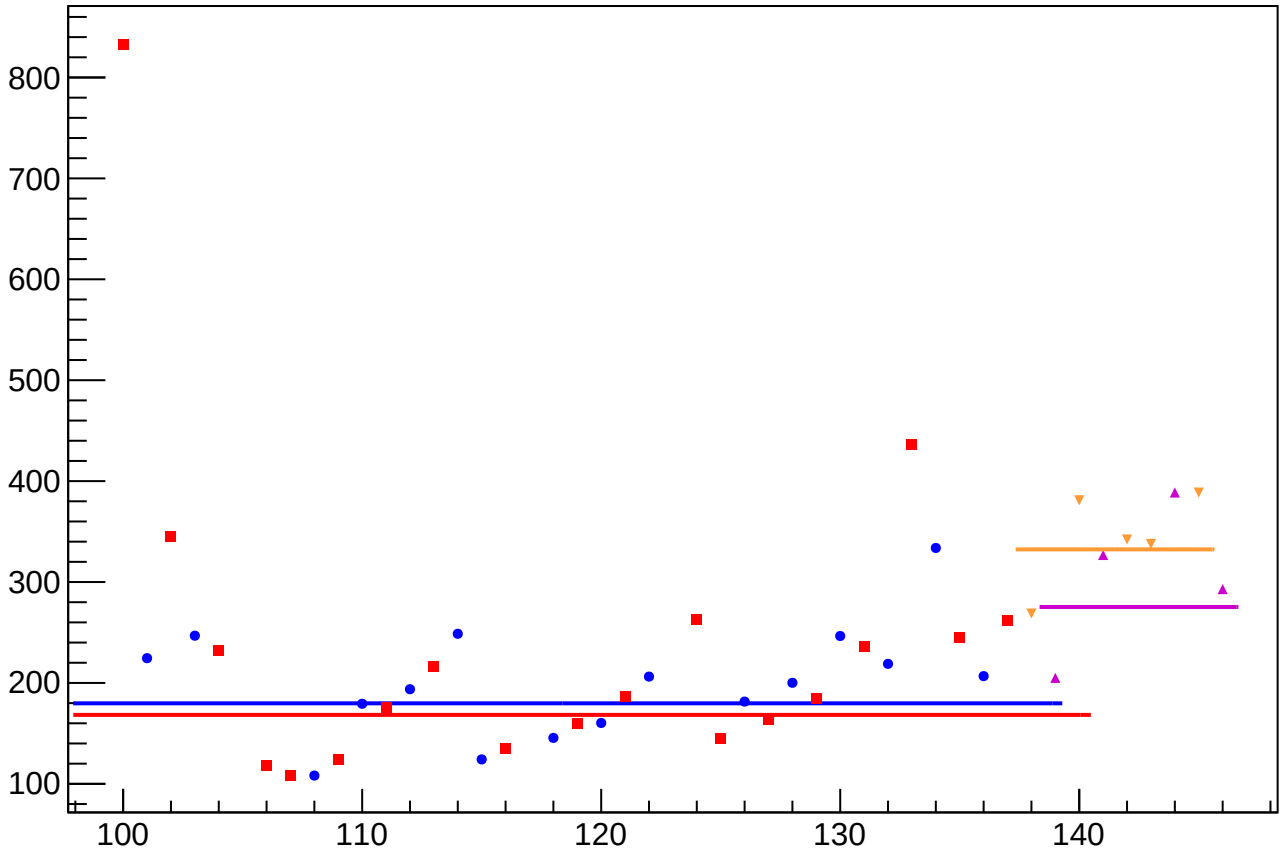
Left: -0.131+/-0.116 χ^2/NDF: 16.9/8

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.052+/-0.064 χ^2/NDF:18.8/19

Out: -0.143+/-0.063 χ^2/NDF:23.9/23

All: -0.047+/-0.045 χ^2/NDF: 47.4/43



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 332.358+/-0.125 χ^2/NDF:143135.3/4

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 275.264+/-0.109 χ^2/NDF:379933.9/3

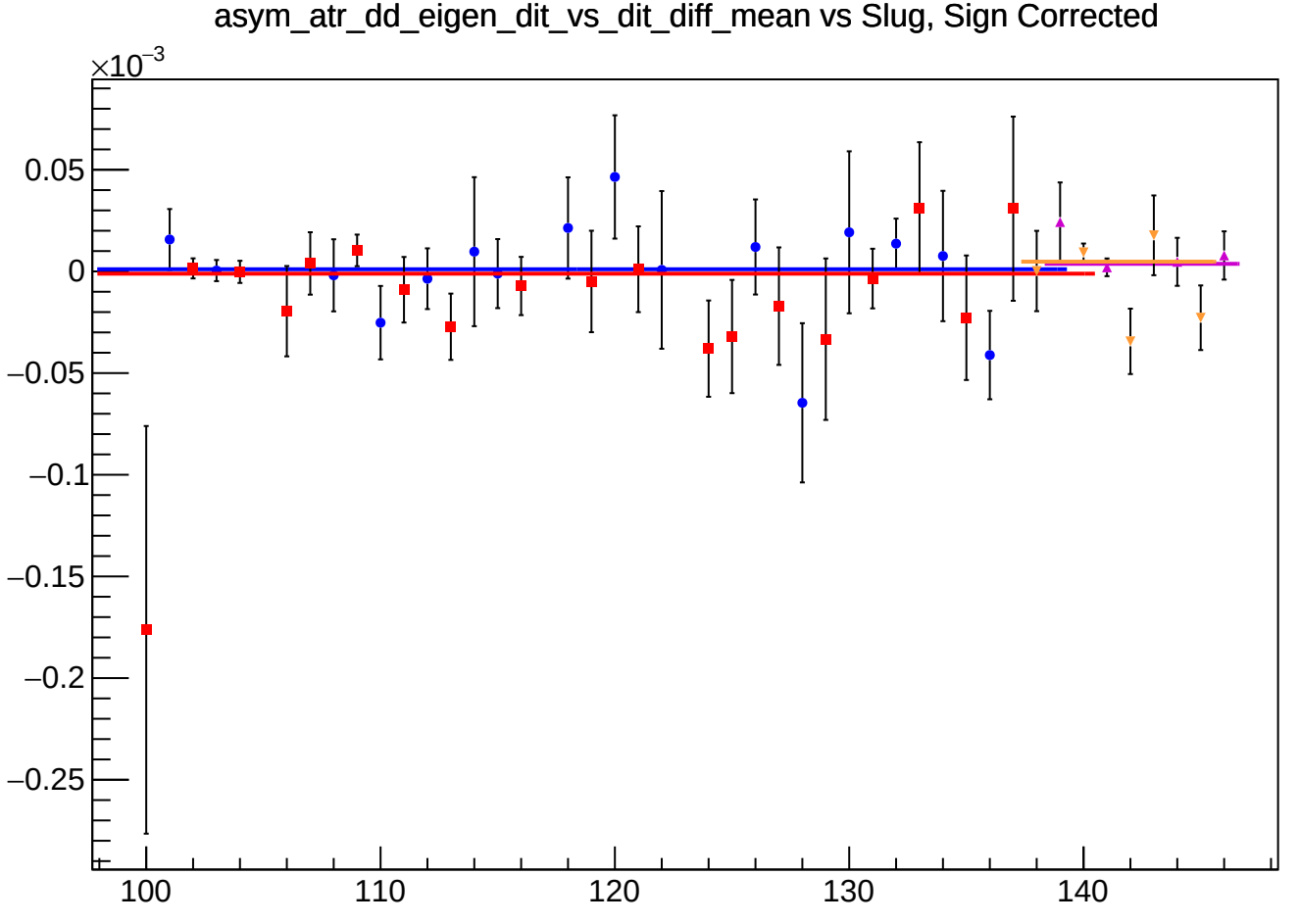
Left: 299.753+/-0.082 χ^2/NDF: 641796.5/8

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 196.463+/-0.045 χ^2/NDF:1937308.2/19

Out: 189.215+/-0.045 χ^2/NDF:3049918.8/23

All: 192.785+/-0.032 χ^2/NDF: 5000190.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

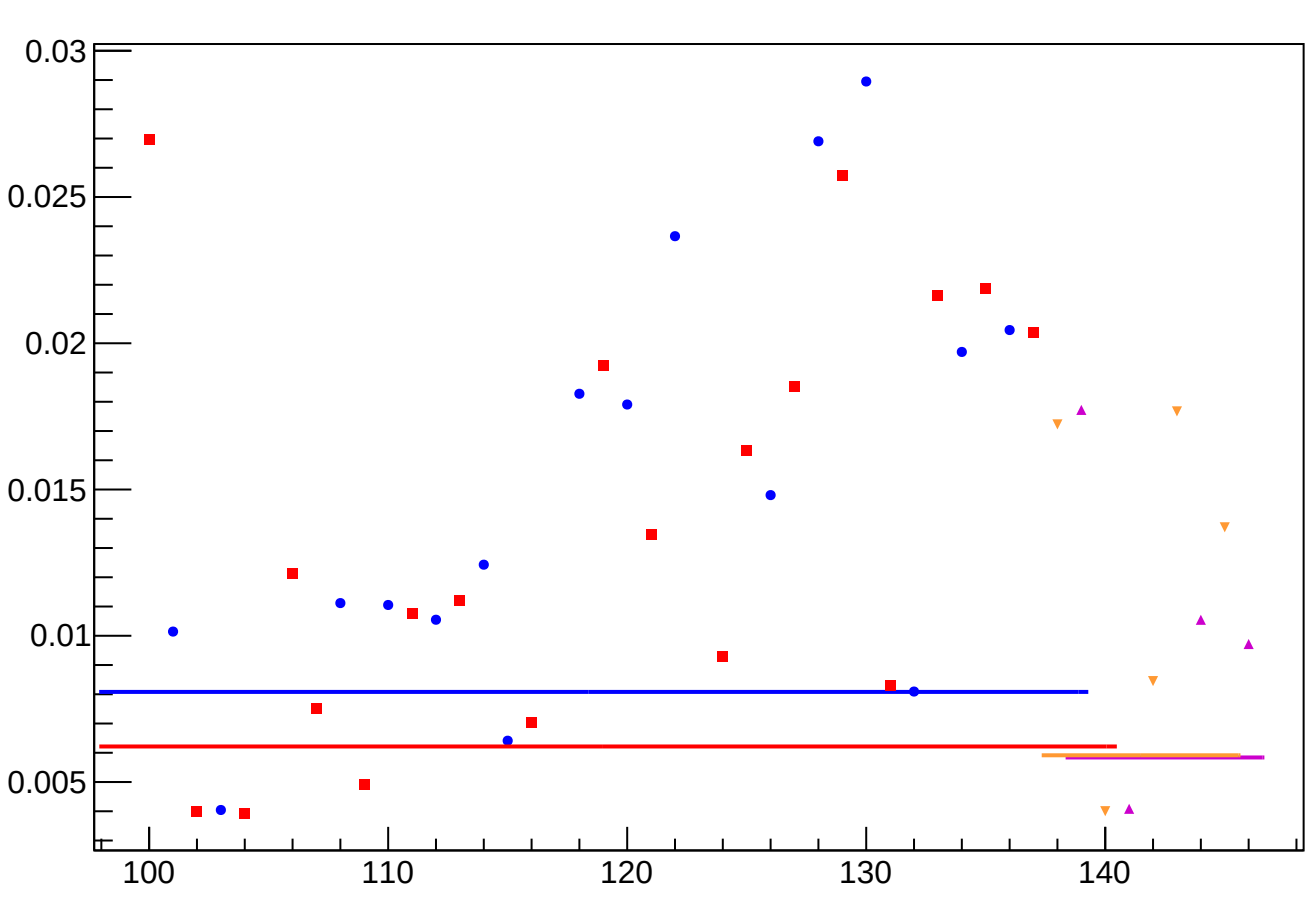
Left: 0.000+/-0.000 χ^2/NDF: 12.0/8

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:15.9/19

Out: 0.000+/-0.000 χ^2/NDF:28.0/23

All: 0.000+/-0.000 χ^2/NDF: 44.1/43



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:2287872.2/4

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1601554.9/3

Left: 0.006+/-0.000 χ^2/NDF: 3889802.3/8

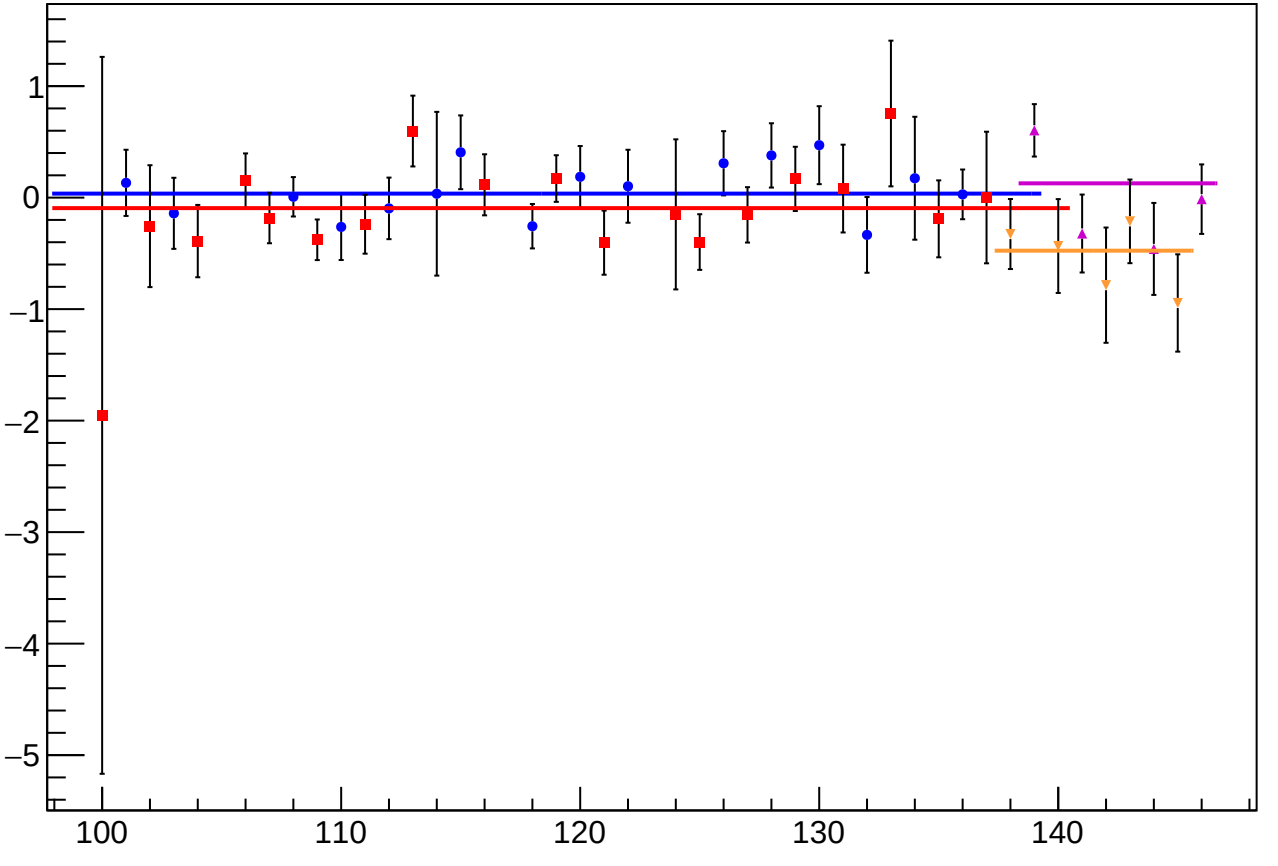
Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6372323.7/19

Out: 0.006+/-0.000 χ^2/NDF:6856674.4/23

All: 0.006+/-0.000 χ^2/NDF: 13352546.1/43

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.476+/-0.177 χ^2/NDF:2.2/4

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.128+/-0.153 χ^2/NDF:8.0/3

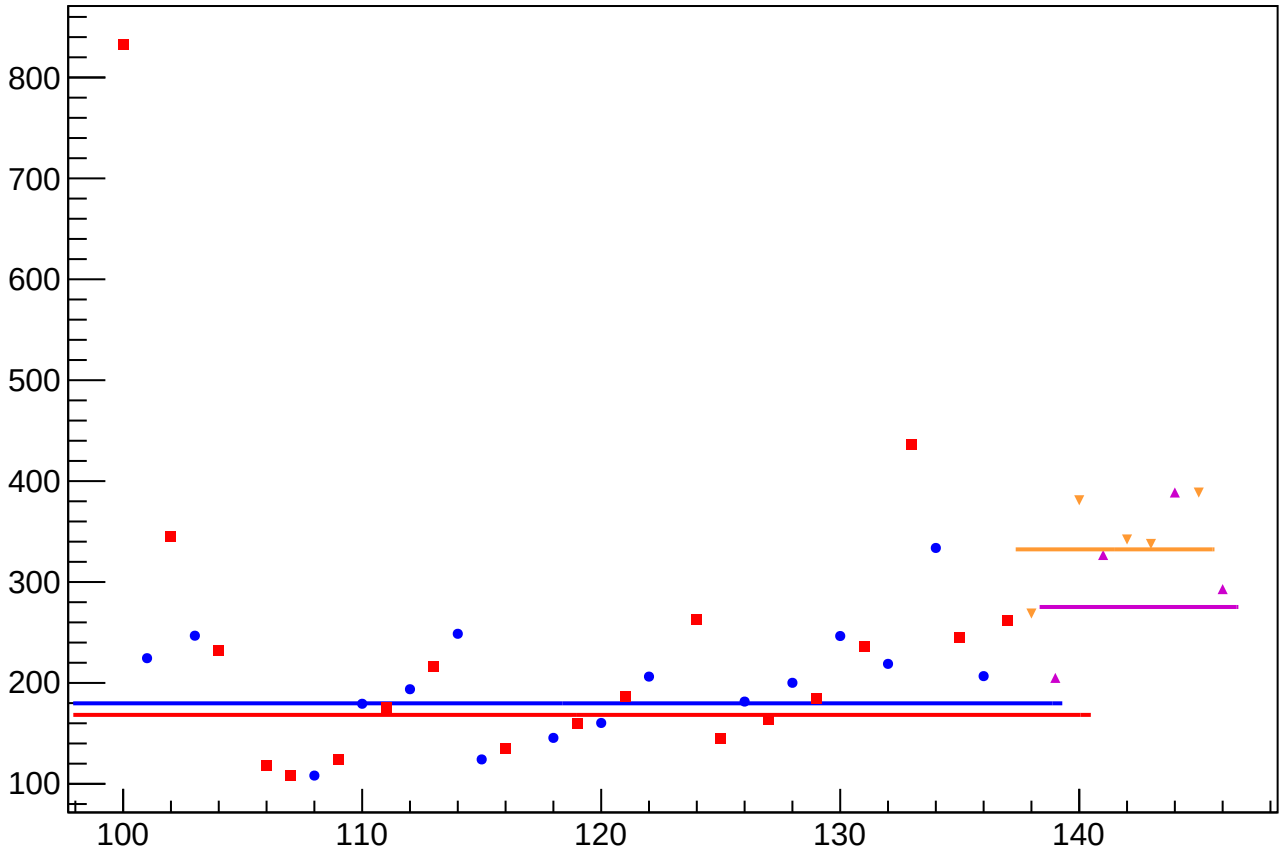
Left: -0.131+/-0.116 χ^2/NDF: 16.9/8

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.052+/-0.064 χ^2/NDF:18.8/19

Out: -0.143+/-0.063 χ^2/NDF:23.9/23

All: -0.047+/-0.045 χ^2/NDF: 47.4/43



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 332.362+/-0.125 χ^2/NDF:143124.7/4

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 275.268+/-0.109 χ^2/NDF:379915.9/3

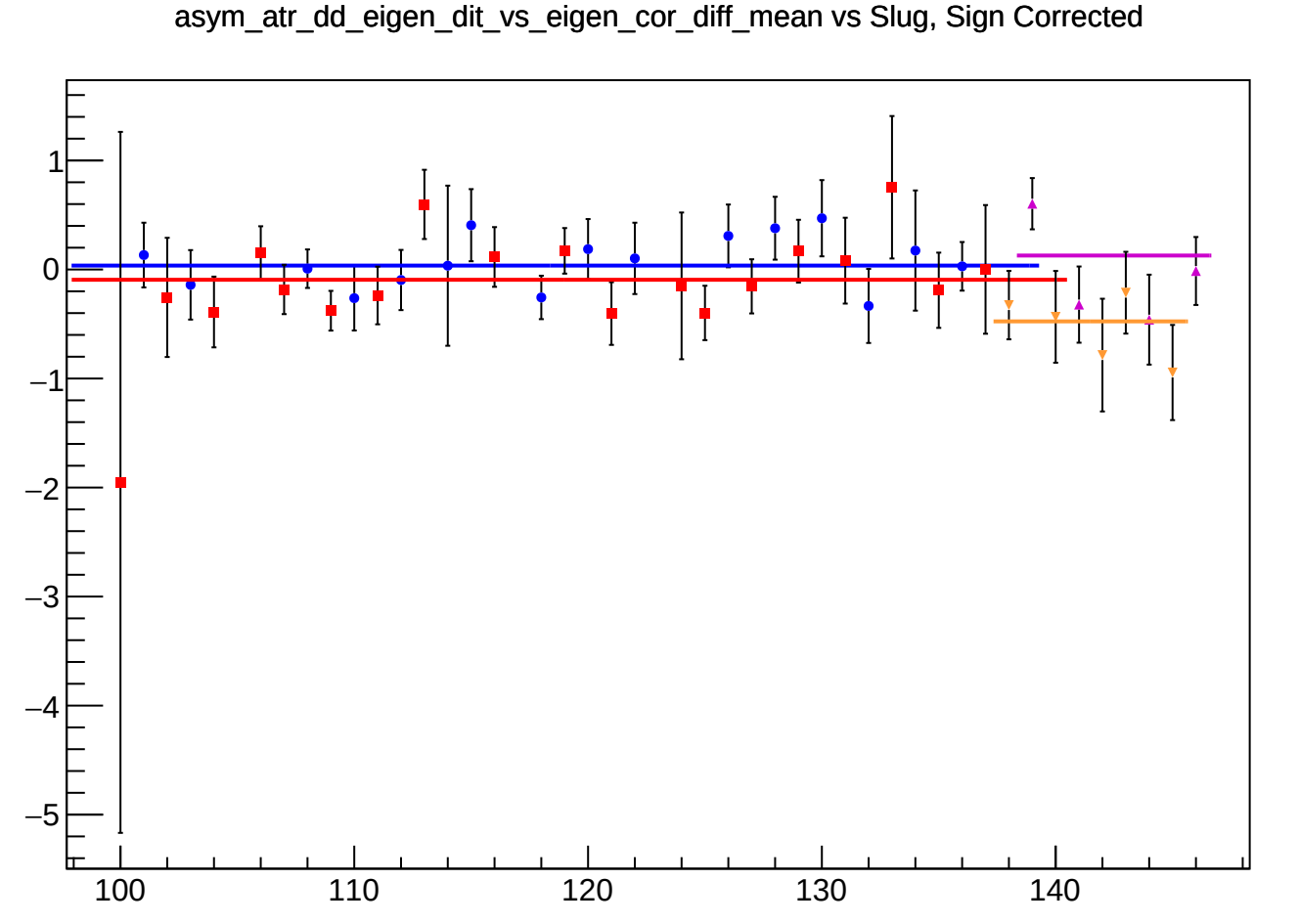
Left: 299.757+/-0.082 χ^2/NDF: 641767.9/8

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

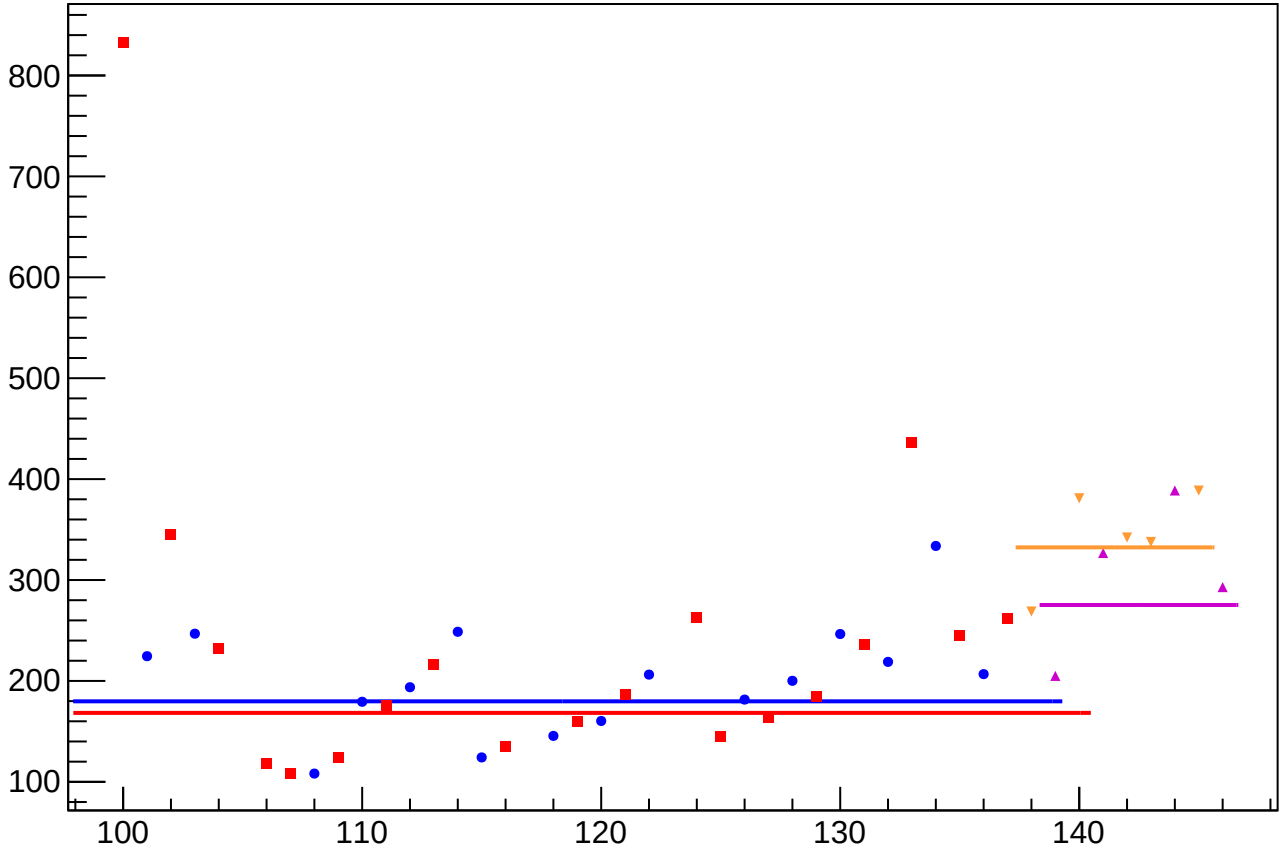
In: 196.461+/-0.045 χ^2/NDF:1937411.7/19

Out: 189.215+/-0.045 χ^2/NDF:3049957.7/23

All: 192.784+/-0.032 χ^2/NDF: 5000325.3/43


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.476+/-0.177 χ²/NDF:2.2/4
Right Out: -0.094+/-0.068 χ²/NDF: 17.6/18
Left In: 0.128+/-0.153 χ²/NDF:8.0/3
Left: -0.131+/-0.116 χ²/NDF: 16.9/8
Right: -0.032+/-0.049 χ²/NDF: 29.9/34
In: 0.052+/-0.064 χ²/NDF:18.8/19
Out: -0.143+/-0.063 χ²/NDF:23.9/23
All: -0.047+/-0.045 χ²/NDF: 47.4/43

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: 332.362+/-0.125 χ^2/NDF:143124.7/4

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 275.268+/-0.109 χ^2/NDF:379915.9/3

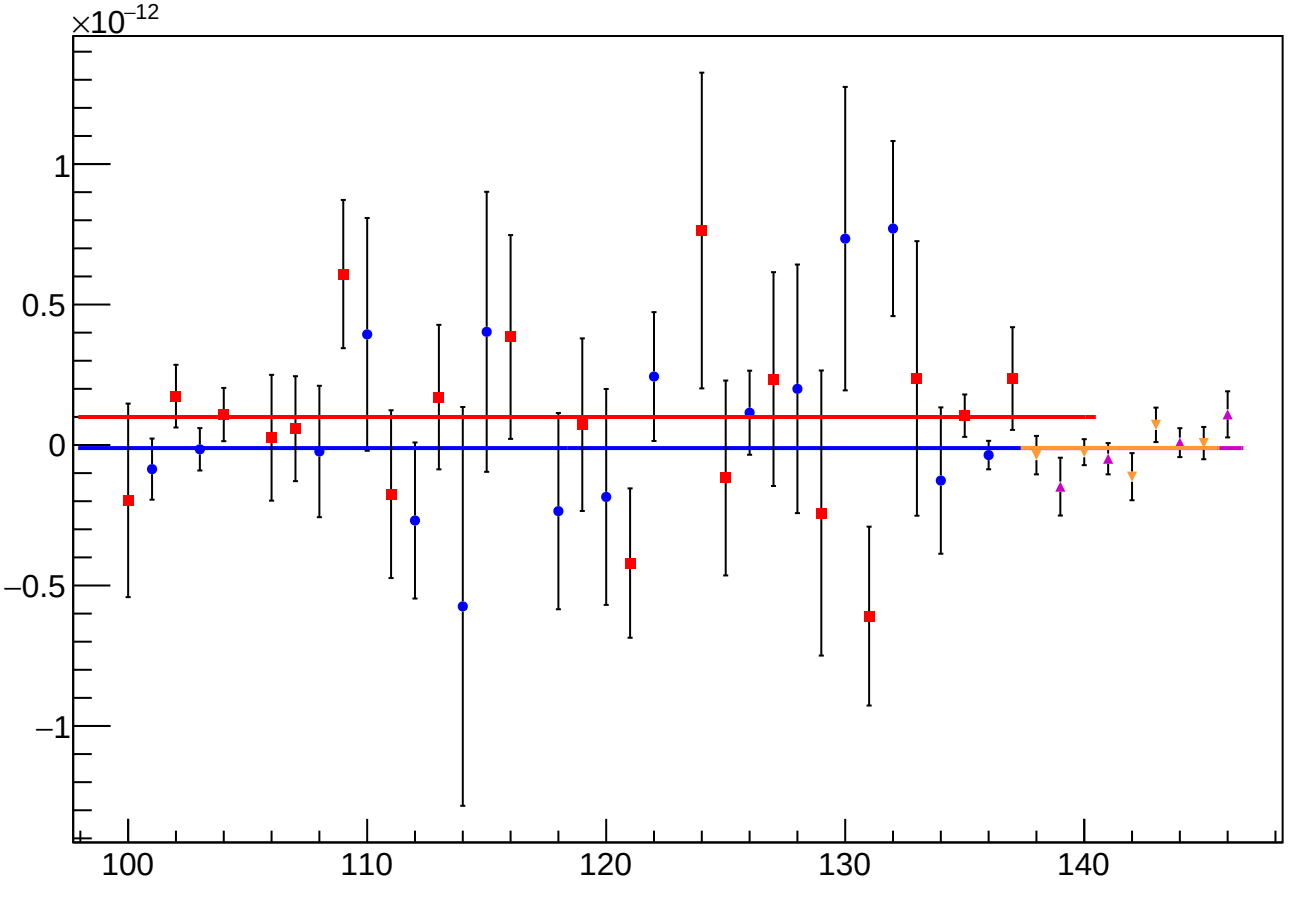
Left: 299.757+/-0.082 χ^2/NDF: 641767.9/8

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 196.461+/-0.045 χ^2/NDF:1937411.7/19

Out: 189.215+/-0.045 χ^2/NDF:3049957.7/23

All: 192.784+/-0.032 χ^2/NDF: 5000325.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/4

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

Left In: -0.000+/-0.000 χ^2/NDF:4.5/3

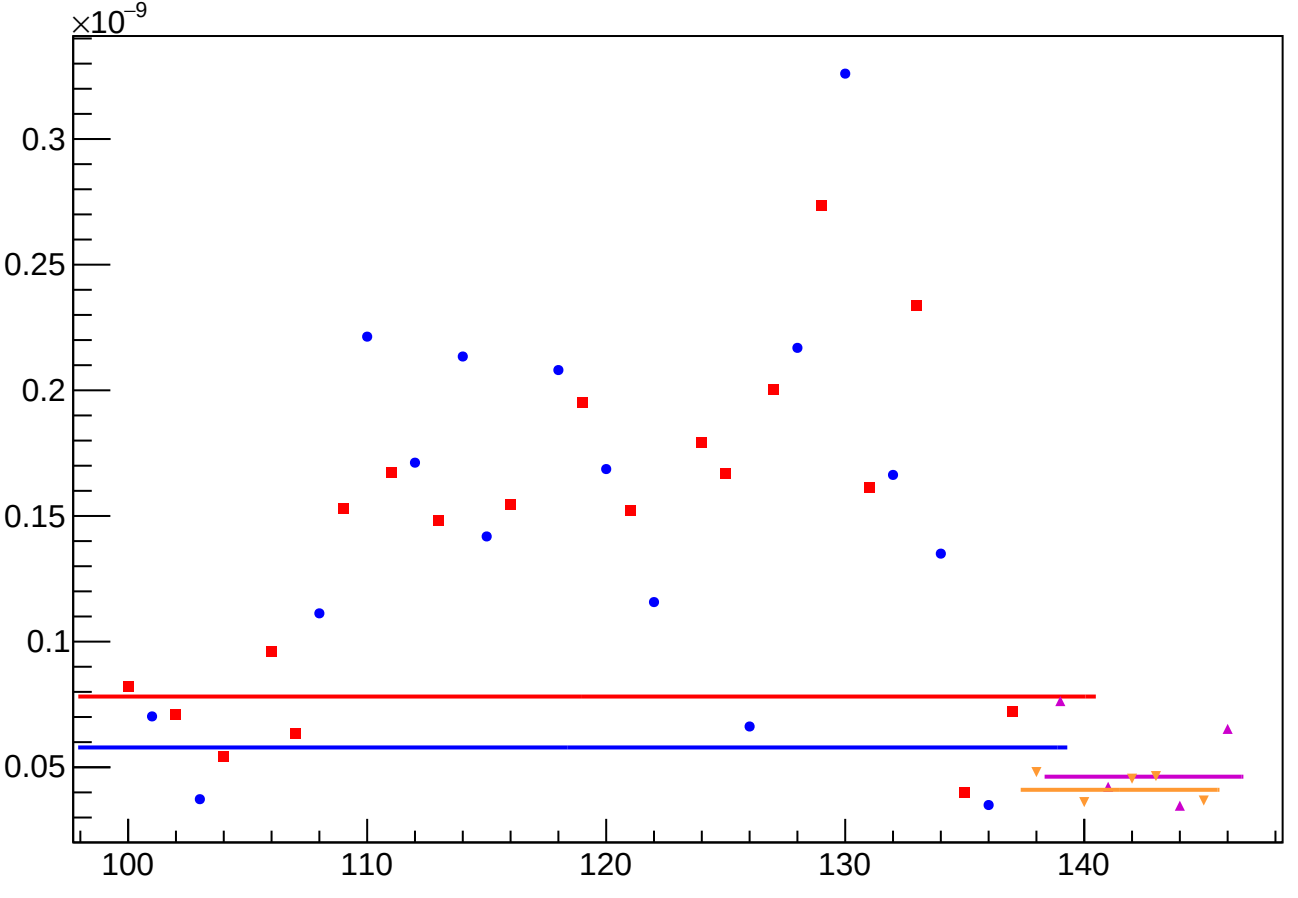
Left: -0.000+/-0.000 χ^2/NDF: 8.1/8

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:19.6/19

Out: 0.000+/-0.000 χ^2/NDF:26.9/23

All: 0.000+/-0.000 χ^2/NDF: 47.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:76023.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:389629.1/3

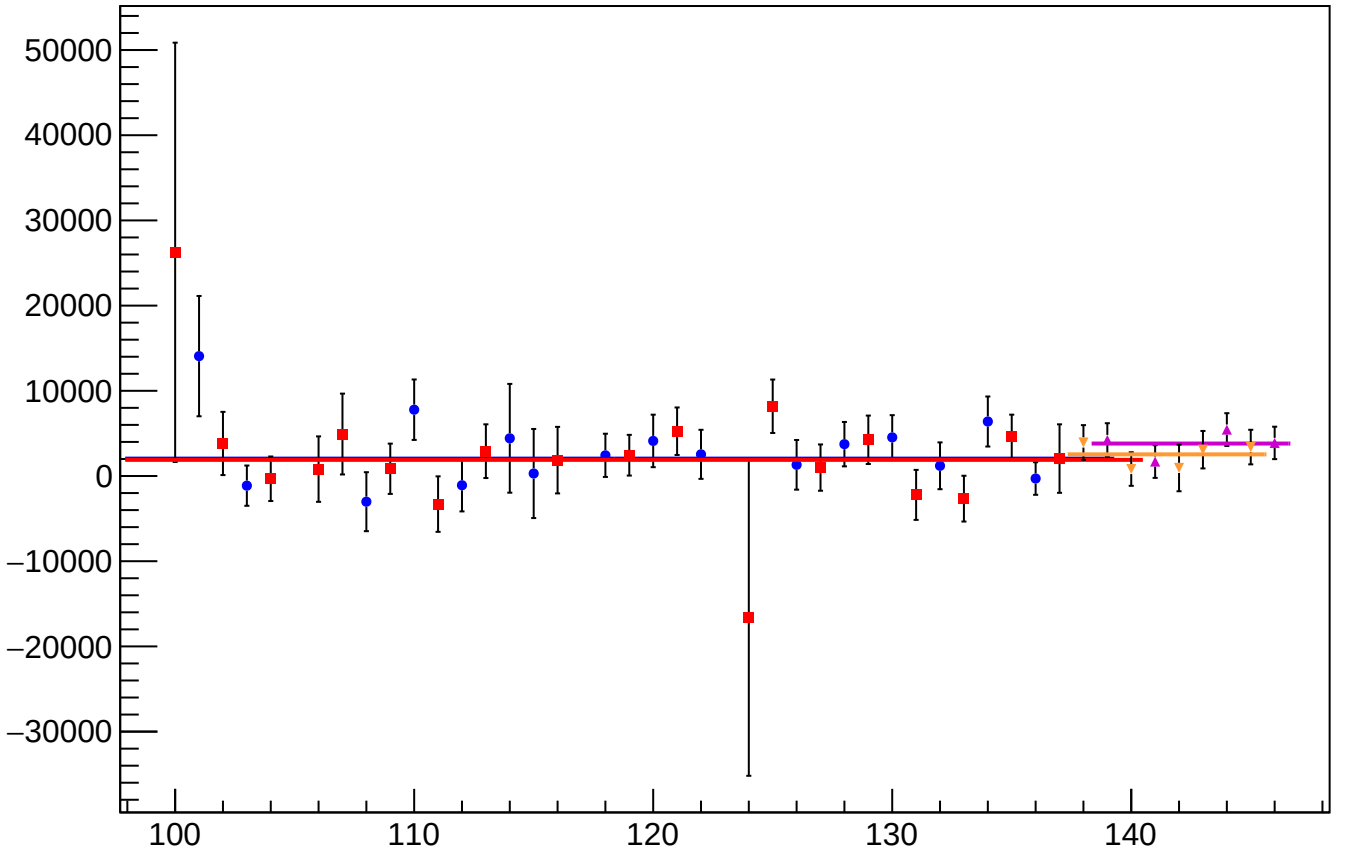
Left: 0.000+/-0.000 χ^2/NDF: 496312.7/8

Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:3830115.3/19

Out: 0.000+/-0.000 χ^2/NDF:3913201.0/23

All: 0.000+/-0.000 χ^2/NDF: 7743346.2/43



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2541.240+/-961.723 χ^2/NDF:1.8/4

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 3810.148+/-963.498 χ^2/NDF:2.0/3

Left: 3174.524+/-680.667 χ^2/NDF: 4.7/8

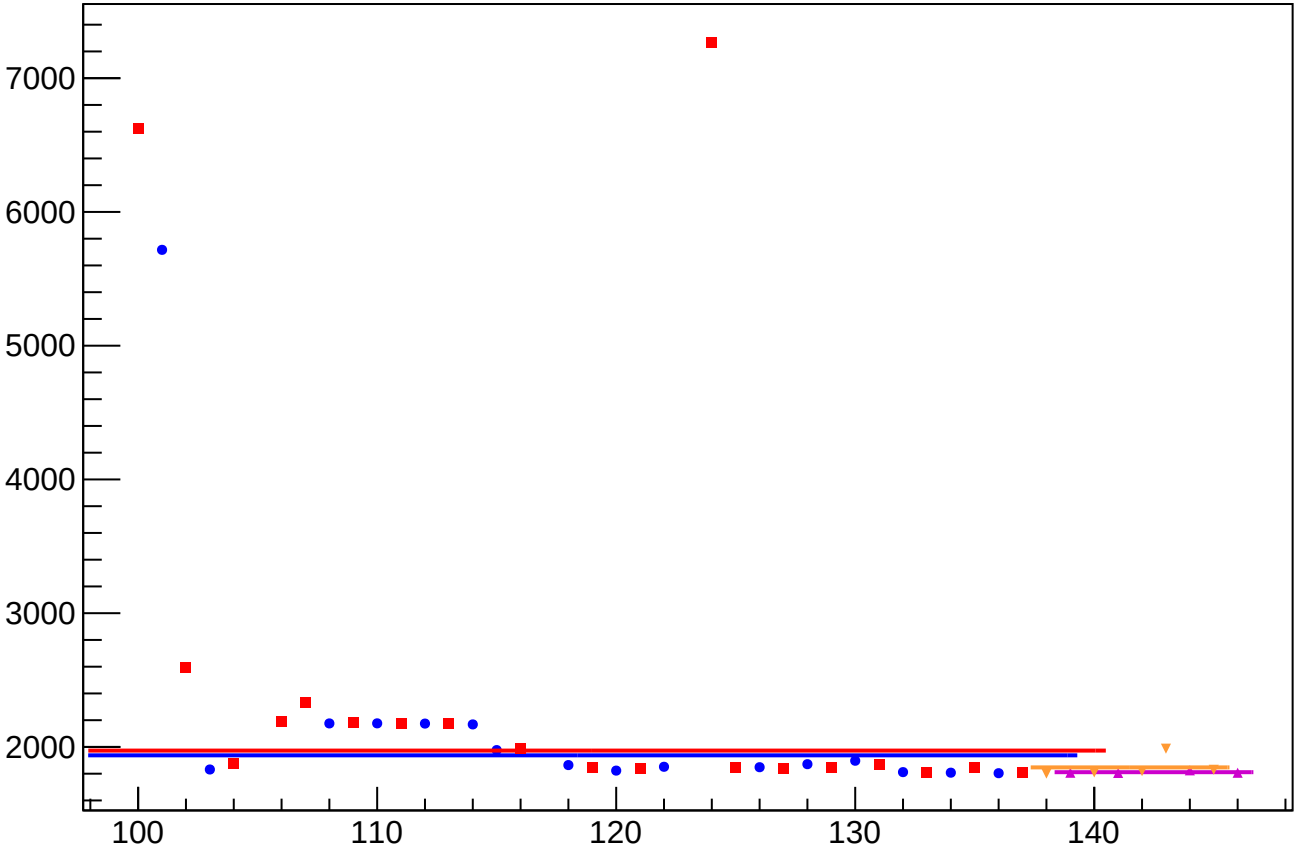
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2692.029+/-584.985 χ^2/NDF:20.6/19

Out: 2134.155+/-584.863 χ^2/NDF:20.6/23

All: 2413.033+/-413.604 χ^2/NDF: 41.6/43

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1847.064+/-0.680 χ^2/NDF:10214.7/4

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

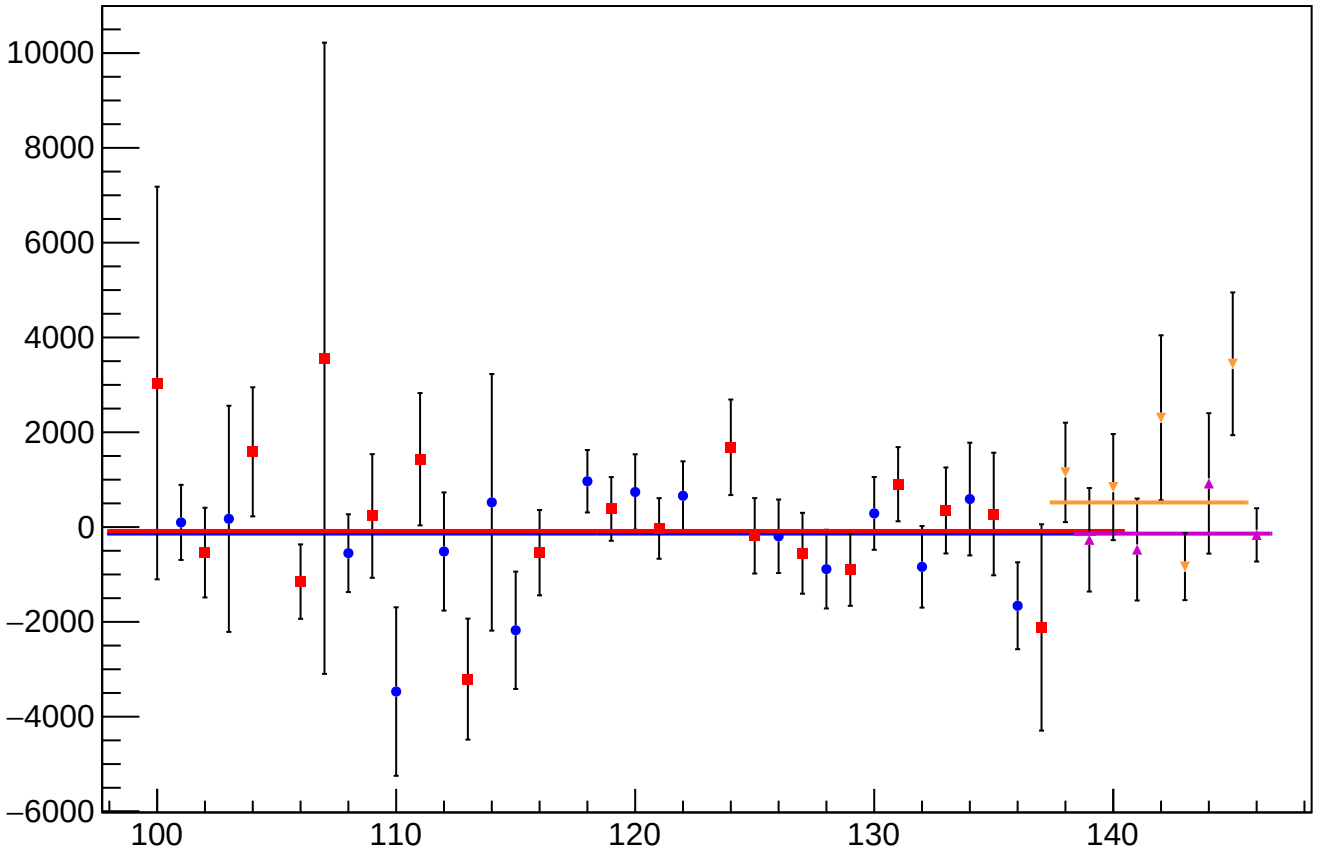
Left: 1829.203+/-0.481 χ^2/NDF: 11736.8/8

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1890.813+/-0.414 χ^2/NDF:659819.0/19

Out: 1926.273+/-0.414 χ^2/NDF:409280.8/23

All: 1908.547+/-0.292 χ^2/NDF: 1072775.1/43



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: 519.439+/-472.242 χ^2/NDF:9.0/4

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: -138.254+/-433.301 χ^2/NDF:0.6/3

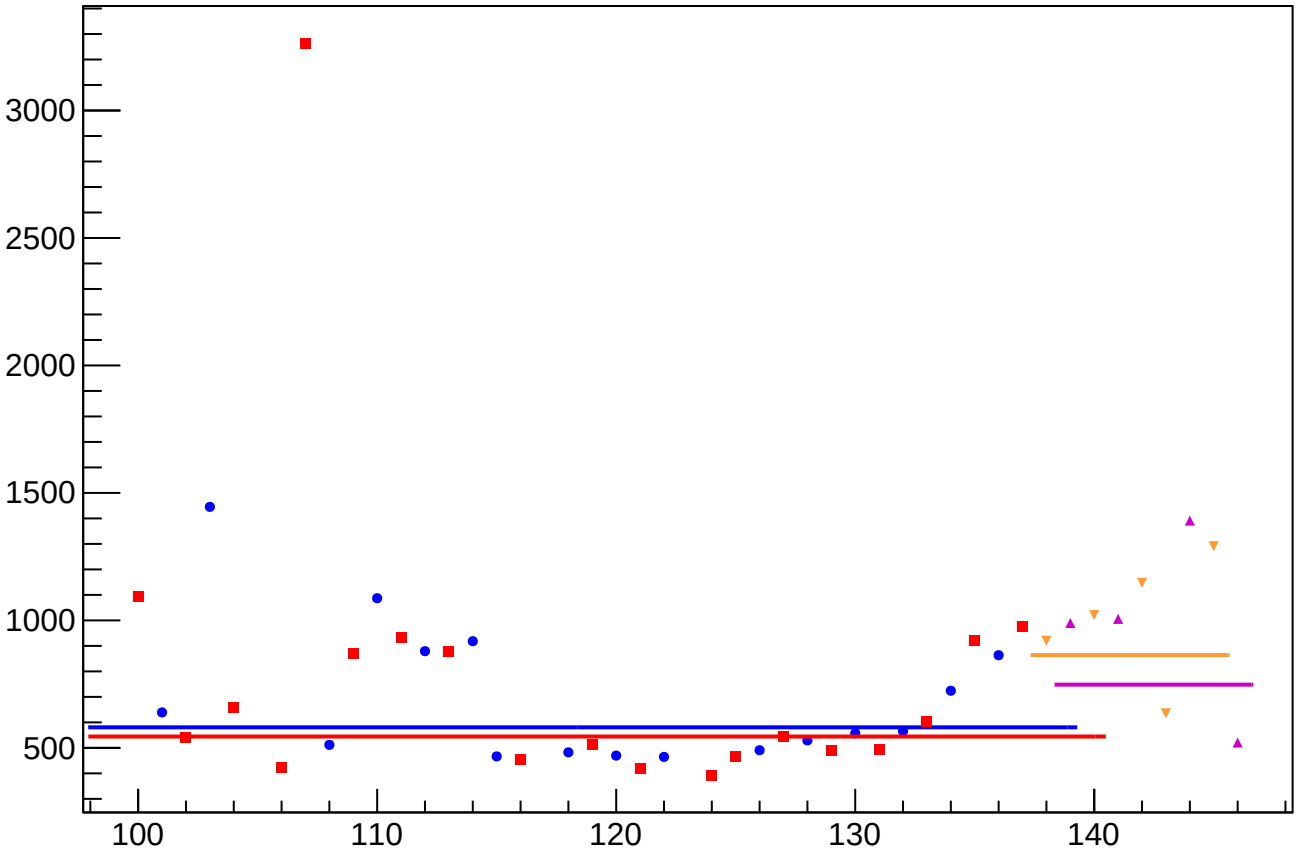
Left: 162.362+/-319.271 χ^2/NDF: 10.6/8

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -136.998+/-203.450 χ^2/NDF:17.5/19

Out: 26.629+/-200.921 χ^2/NDF:30.0/23

All: -54.161+/-142.959 χ^2/NDF: 47.9/43



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 863.976+/-0.334 χ^2/NDF:468630.8/4

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 747.973+/-0.306 χ^2/NDF:917036.7/3

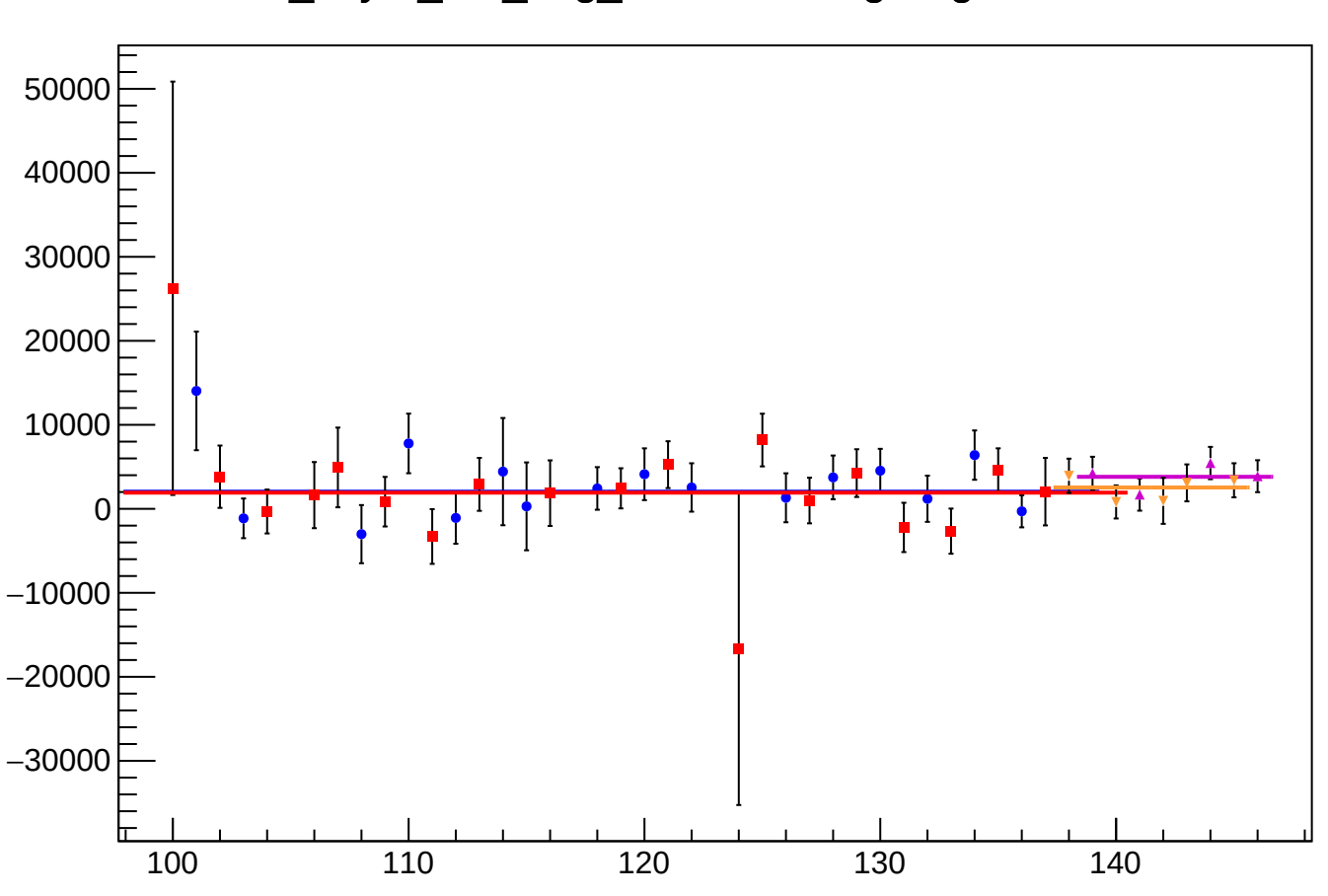
Left: 800.995+/-0.226 χ^2/NDF: 1451187.3/8

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 617.508+/-0.144 χ^2/NDF:2153044.2/19

Out: 602.356+/-0.142 χ^2/NDF:2505766.8/23

All: 609.837+/-0.101 χ^2/NDF: 4664427.1/43



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2541.449+/-961.723 χ^2/NDF:1.8/4

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 3810.355+/-963.498 χ^2/NDF:2.0/3

Left: 3174.732+/-680.667 χ^2/NDF: 4.7/8

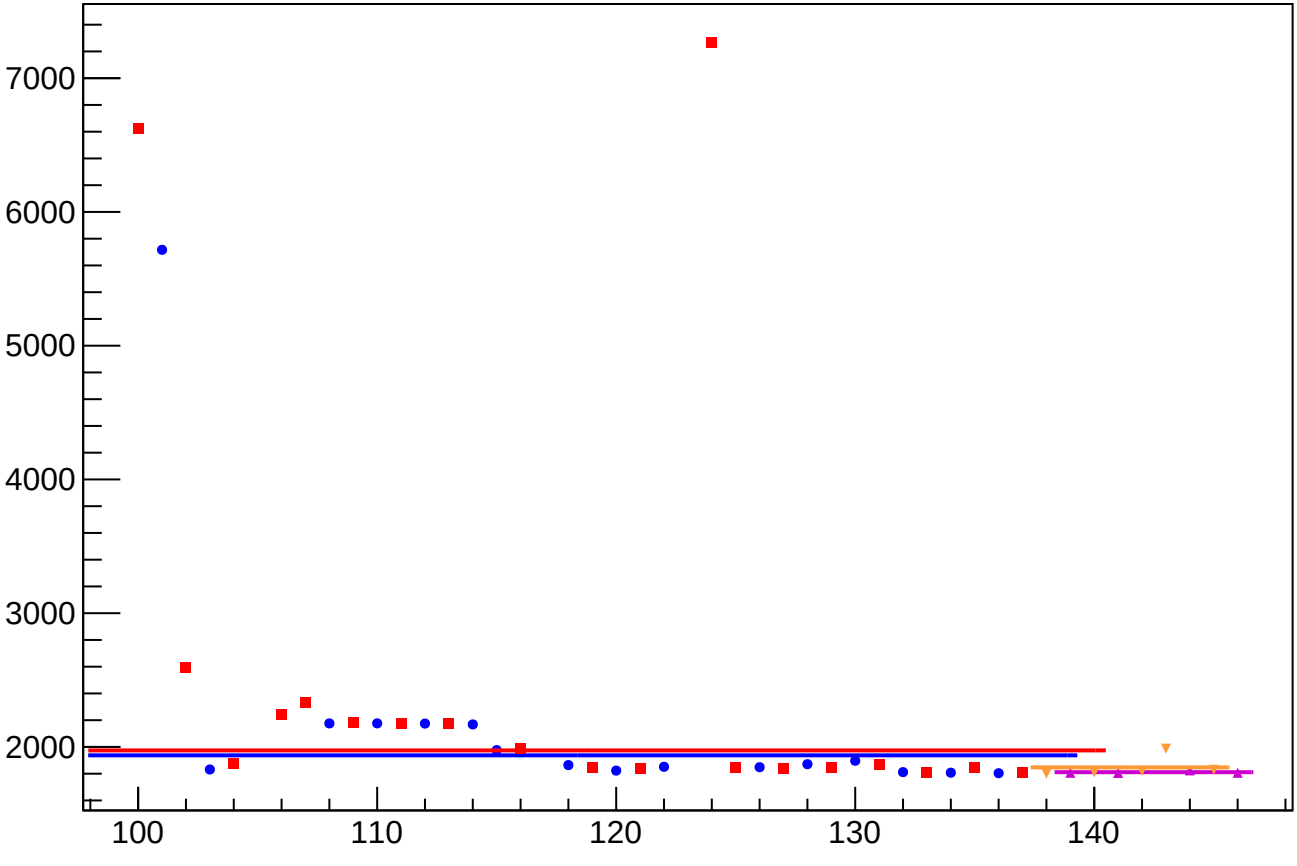
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2691.872+/-584.985 χ^2/NDF:20.5/19

Out: 2154.033+/-585.187 χ^2/NDF:20.5/23

All: 2423.045+/-413.718 χ^2/NDF: 41.5/43

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1847.064+/-0.680 χ^2/NDF:10214.7/4

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

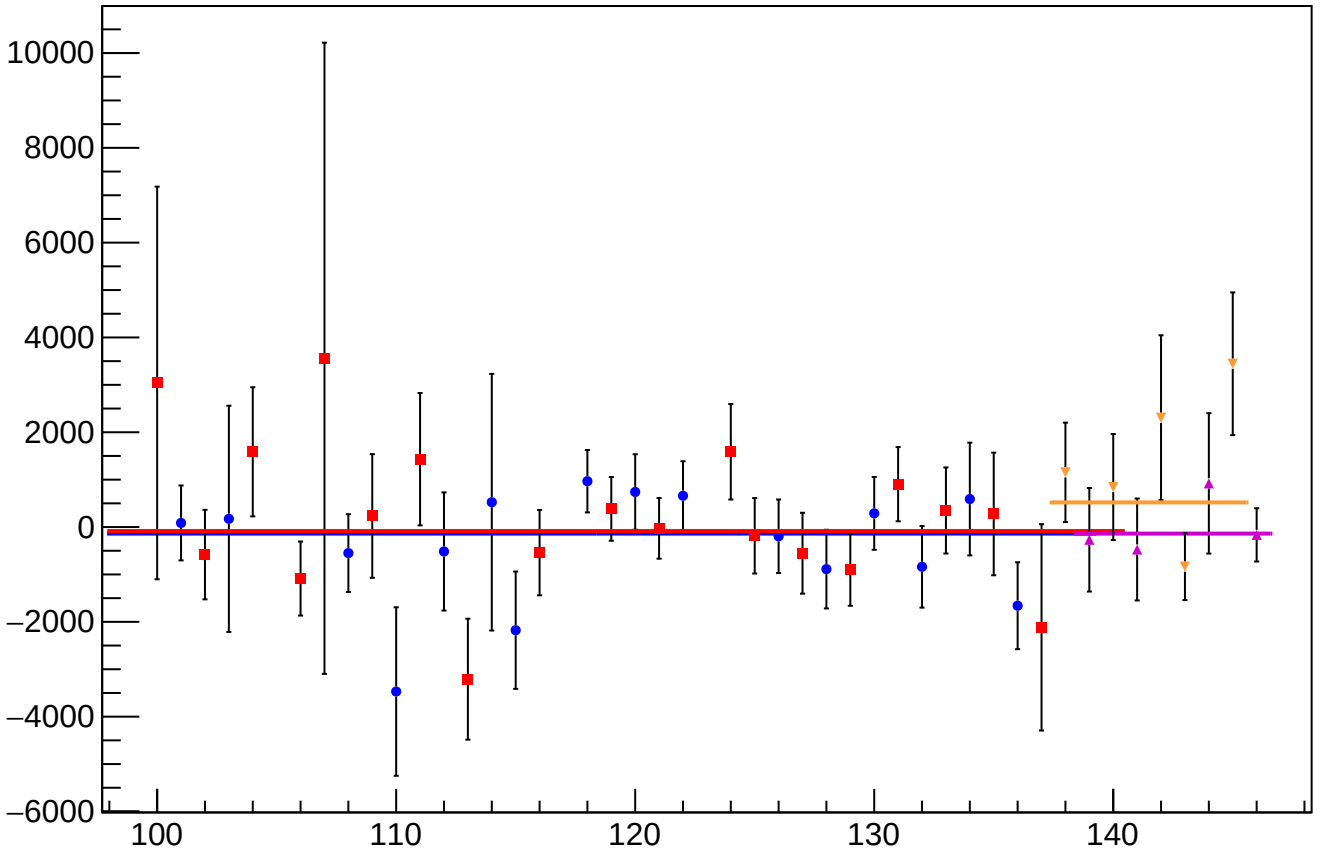
Left: 1829.203+/-0.481 χ^2/NDF: 11736.8/8

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1890.813+/-0.414 χ^2/NDF:659818.9/19

Out: 1927.100+/-0.414 χ^2/NDF:412640.5/23

All: 1908.950+/-0.293 χ^2/NDF: 1076306.0/43



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 519.581+/-472.242 χ^2/NDF:9.0/4

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -138.327+/-433.304 χ^2/NDF:0.6/3

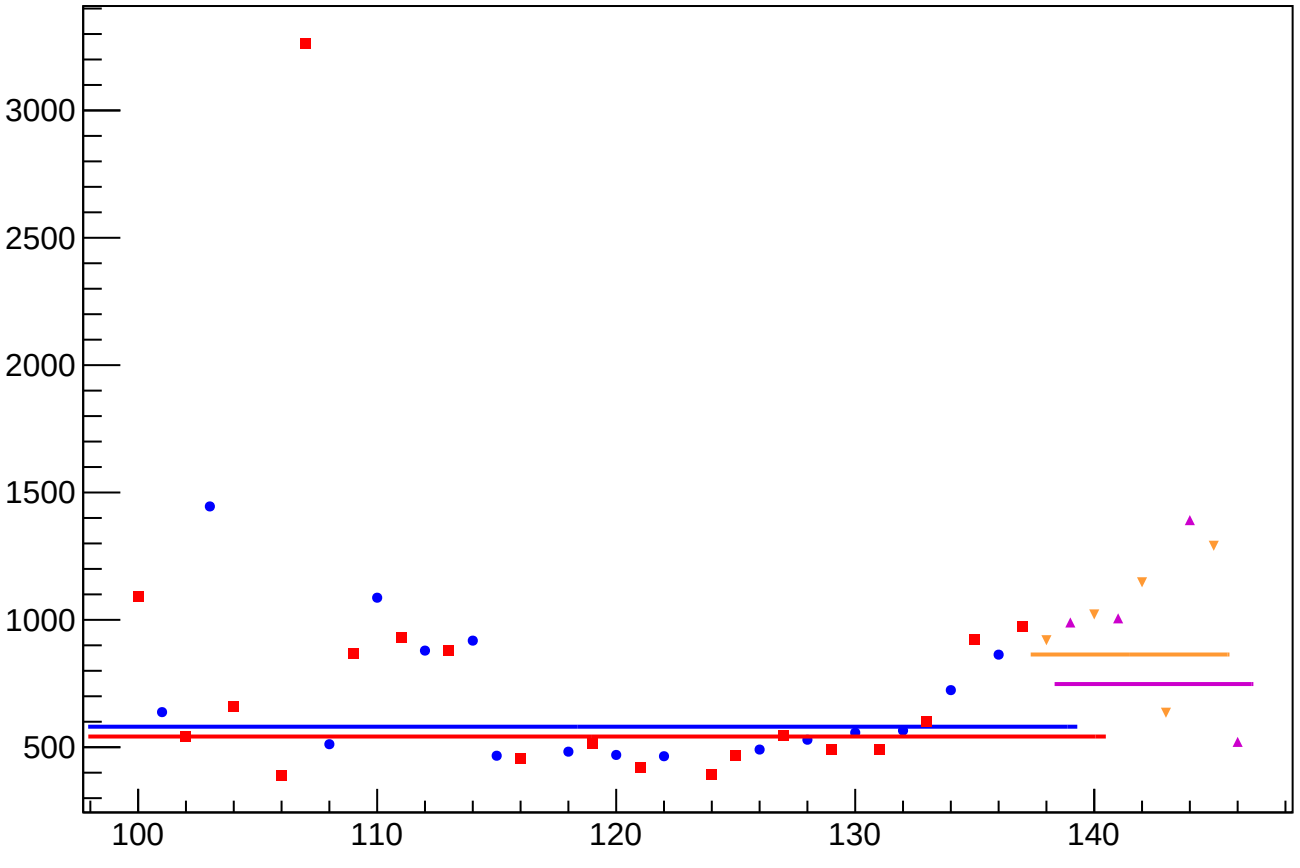
Left: 162.390+/-319.272 χ^2/NDF: 10.6/8

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -137.675+/-203.417 χ^2/NDF:17.5/19

Out: 24.373+/-200.819 χ^2/NDF:29.6/23

All: -55.610+/-142.910 χ^2/NDF: 47.4/43



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 863.974+/-0.334 χ^2/NDF:468616.9/4

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 747.977+/-0.306 χ^2/NDF:917038.7/3

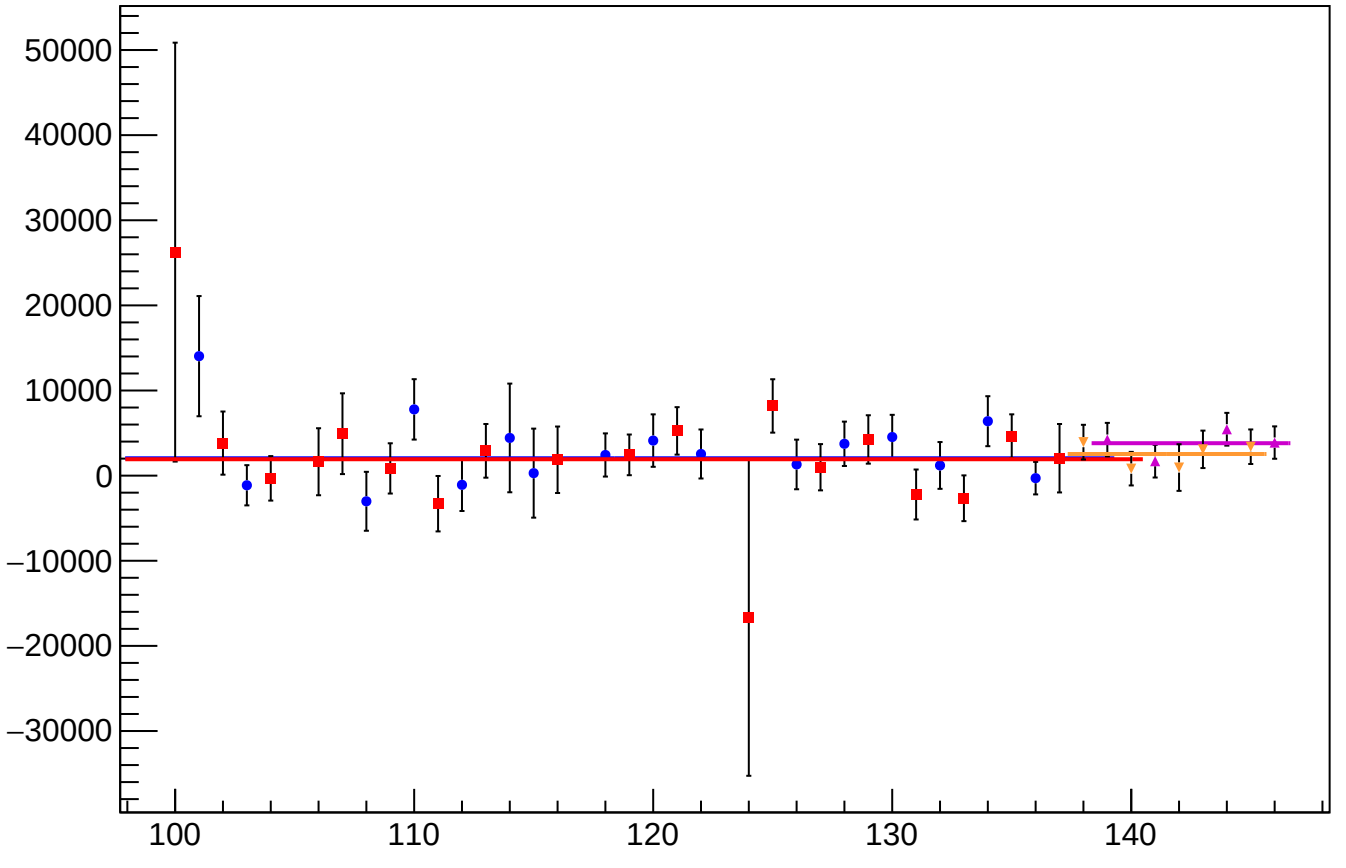
Left: 800.997+/-0.226 χ^2/NDF: 1451169.2/8

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 617.425+/-0.144 χ^2/NDF:2152820.7/19

Out: 600.174+/-0.142 χ^2/NDF:2549335.9/23

All: 608.688+/-0.101 χ^2/NDF: 4709440.8/43



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2541.449+/-961.723 χ^2/NDF:1.8/4

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 3810.355+/-963.498 χ^2/NDF:2.0/3

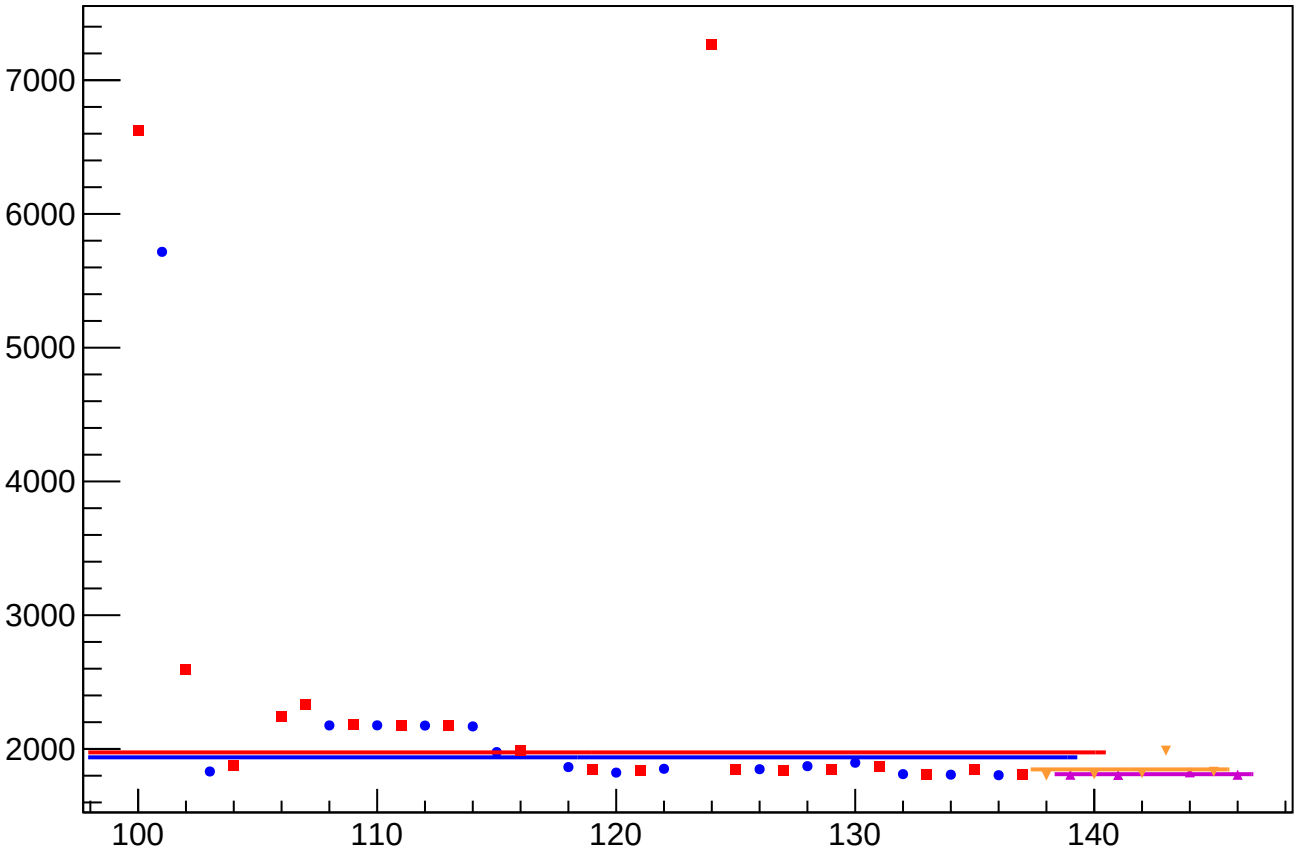
Left: 3174.732+/-680.667 χ^2/NDF: 4.7/8

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2691.872+/-584.985 χ^2/NDF:20.5/19

Out: 2154.033+/-585.187 χ^2/NDF:20.5/23

All: 2423.045+/-413.718 χ^2/NDF: 41.5/43



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1847.064+/-0.680 χ^2/NDF:10214.7/4

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

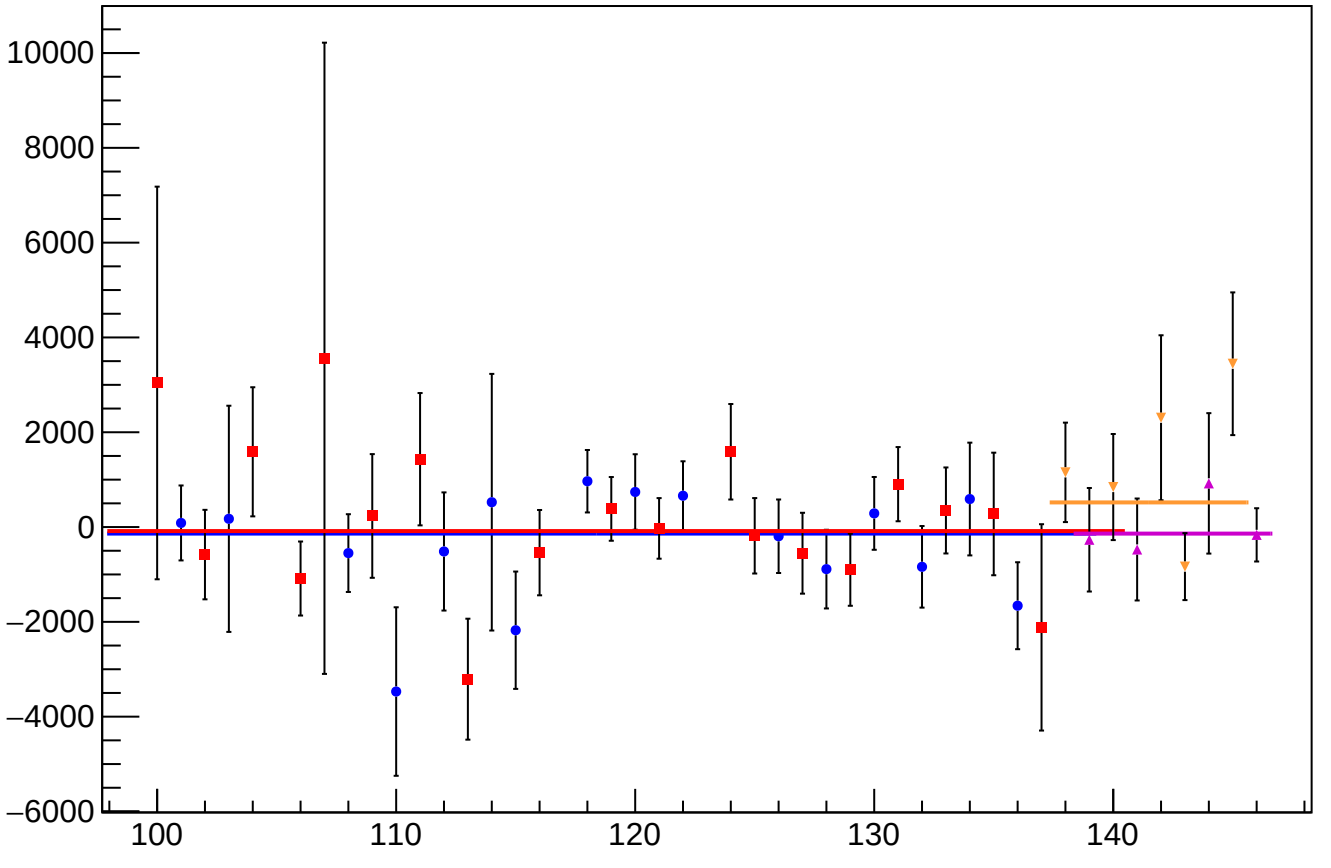
Left: 1829.203+/-0.481 χ^2/NDF: 11736.8/8

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1890.813+/-0.414 χ^2/NDF:659818.9/19

Out: 1927.100+/-0.414 χ^2/NDF:412640.5/23

All: 1908.950+/-0.293 χ^2/NDF: 1076306.0/43



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: 519.581+/-472.242 χ^2/NDF:9.0/4

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -138.327+/-433.304 χ^2/NDF:0.6/3

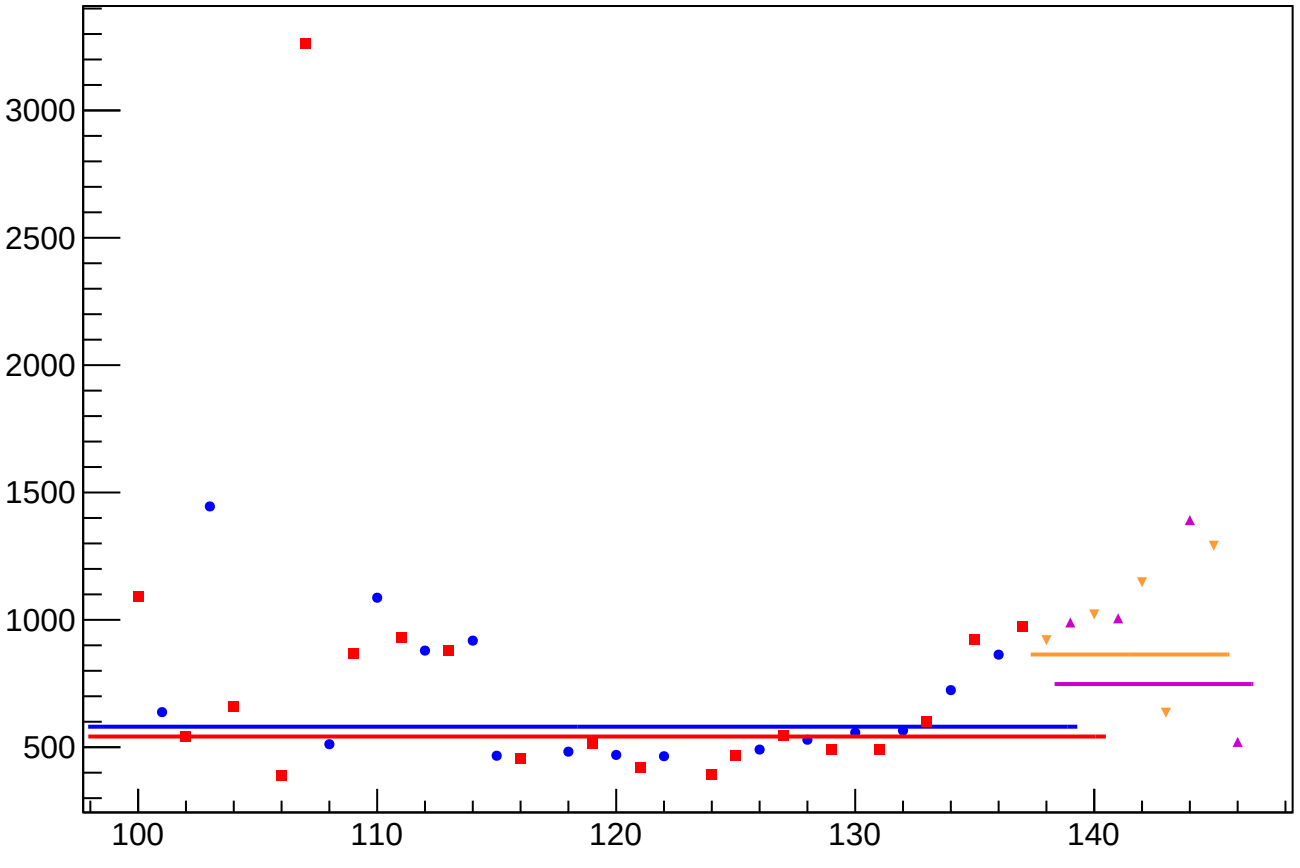
Left: 162.390+/-319.272 χ^2/NDF: 10.6/8

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

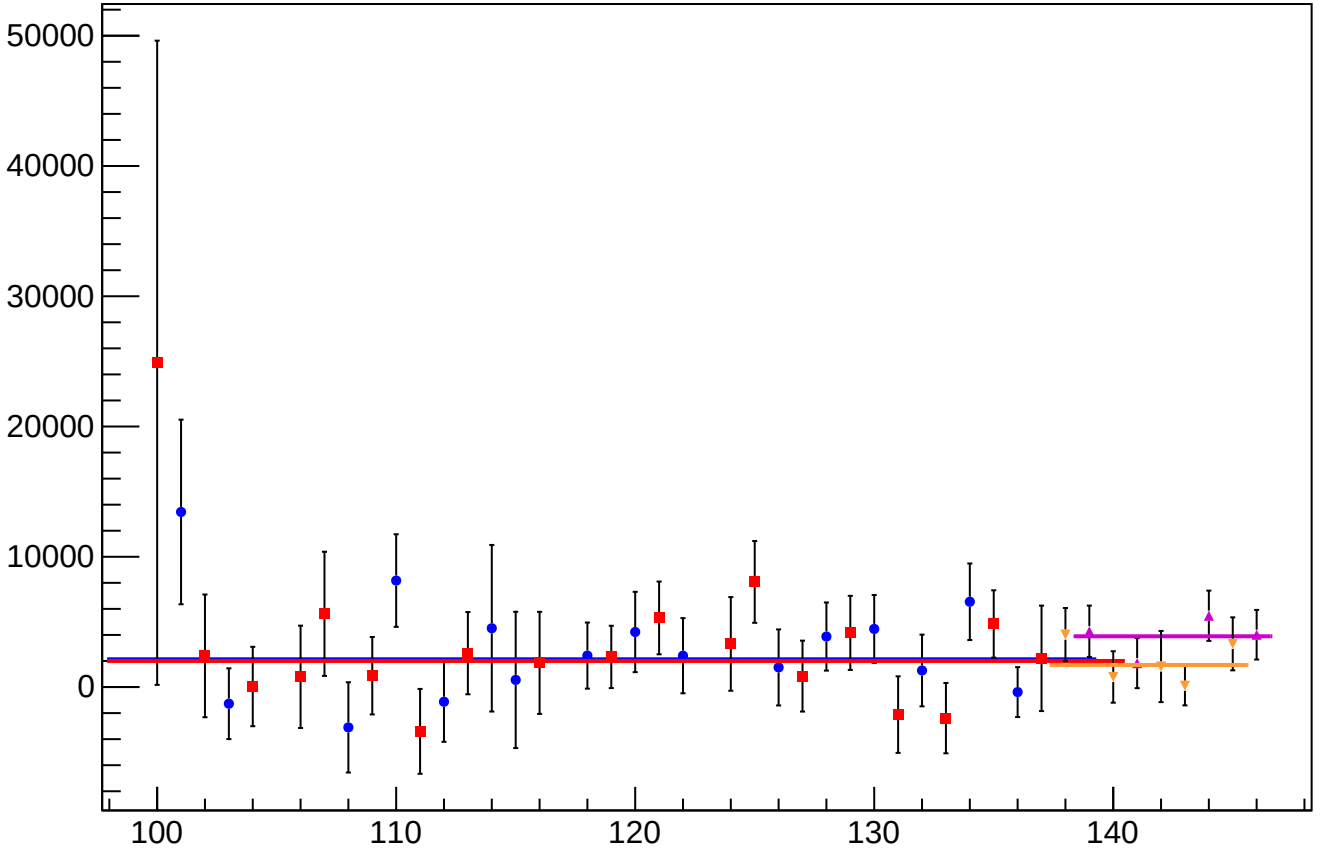
In: -137.675+/-203.417 χ^2/NDF:17.5/19

Out: 24.373+/-200.819 χ^2/NDF:29.6/23

All: -55.610+/-142.910 χ^2/NDF: 47.4/43


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 863.974+/-0.334 χ²/NDF:468616.9/4
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 747.977+/-0.306 χ²/NDF:917038.7/3
Left: 800.997+/-0.226 χ²/NDF: 1451169.2/8
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 617.425+/-0.144 χ²/NDF:2152820.7/19
Out: 600.174+/-0.142 χ²/NDF:2549335.9/23
All: 608.688+/-0.101 χ²/NDF: 4709440.8/43

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1694.890+/-873.595 χ^2/NDF:3.3/4

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 3896.341+/-965.360 χ^2/NDF:1.9/3

Left: 2686.034+/-647.744 χ^2/NDF: 8.0/8

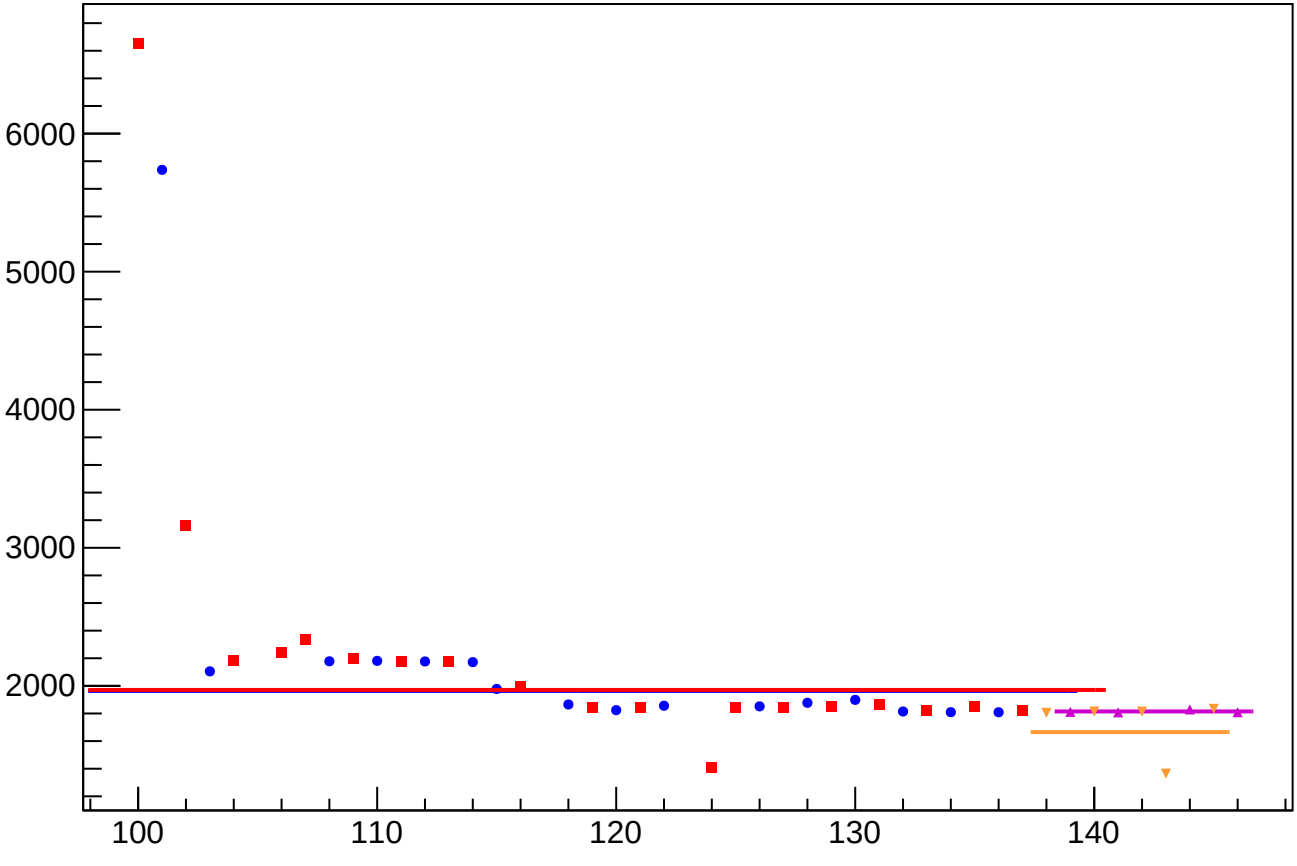
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2789.908+/-590.407 χ^2/NDF:20.5/19

Out: 1874.394+/-563.400 χ^2/NDF:20.1/23

All: 2310.734+/-407.597 χ^2/NDF: 41.8/43

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1665.169+/-0.618 χ^2/NDF:119632.1/4

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1814.704+/-0.683 χ^2/NDF:163.9/3

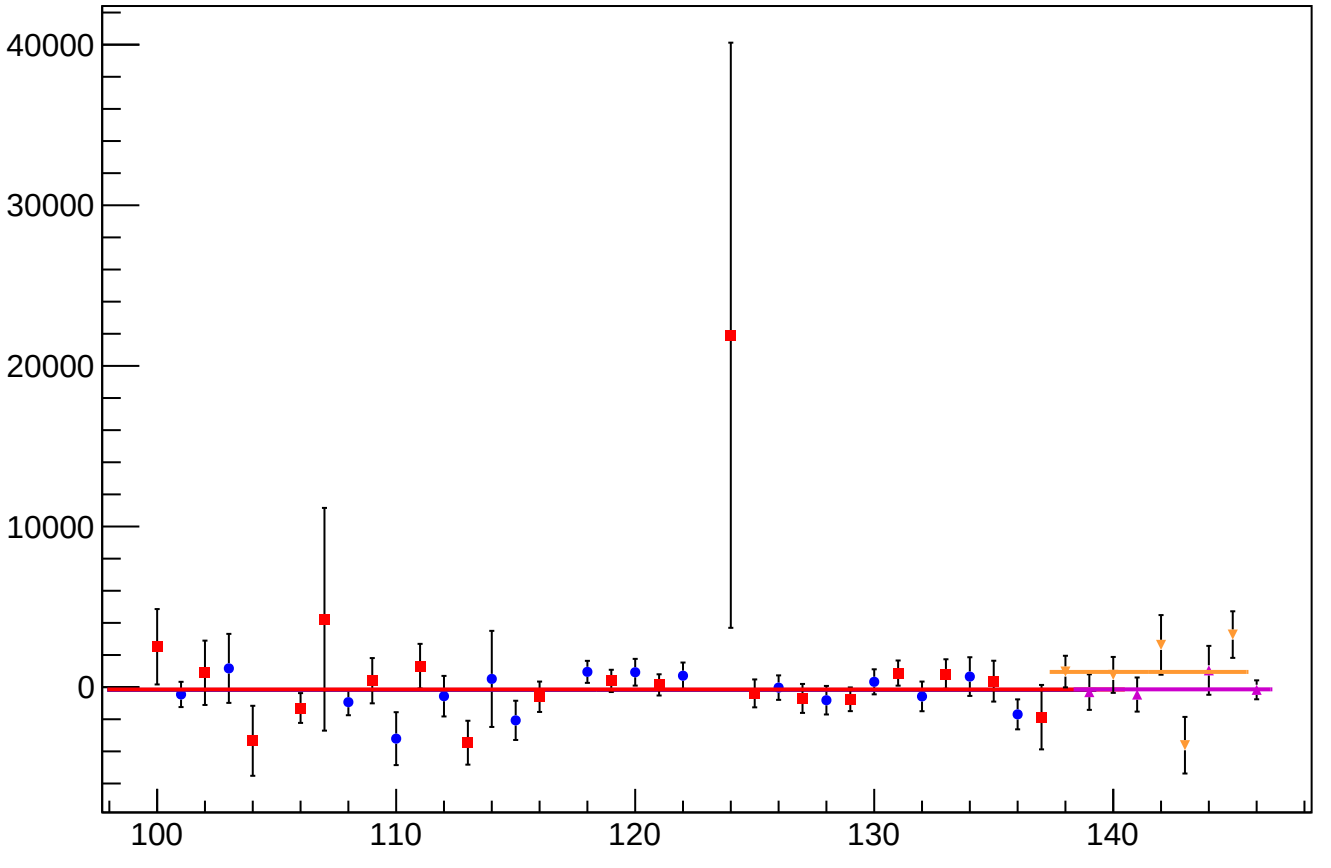
Left: 1732.493+/-0.458 χ^2/NDF: 146179.0/8

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1907.790+/-0.417 χ^2/NDF:670126.3/19

Out: 1843.482+/-0.398 χ^2/NDF:607426.1/23

All: 1874.132+/-0.288 χ^2/NDF: 1289971.6/43



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: 946.948+/-585.067 χ^2/NDF:10.1/4

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: -137.616+/-446.878 χ^2/NDF:0.7/3

Left: 261.989+/-355.135 χ^2/NDF: 13.0/8

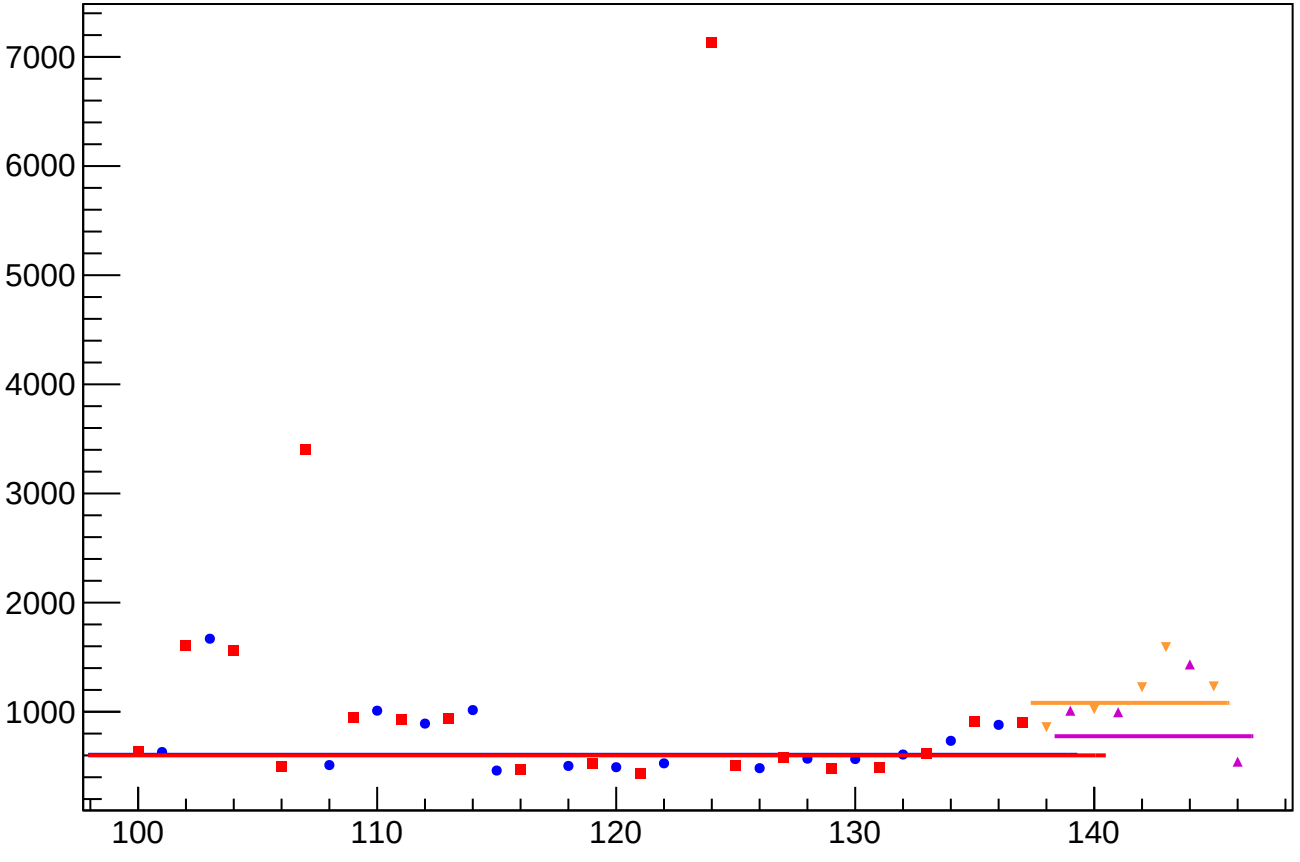
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -163.499+/-209.316 χ^2/NDF:18.0/19

Out: 13.357+/-224.293 χ^2/NDF:33.2/23

All: -81.173+/-153.030 χ^2/NDF: 51.5/43

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 1081.417+/-0.414 χ^2/NDF:309611.7/4

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 775.861+/-0.316 χ^2/NDF:860427.0/3

Left: 888.442+/-0.251 χ^2/NDF: 1514556.1/8

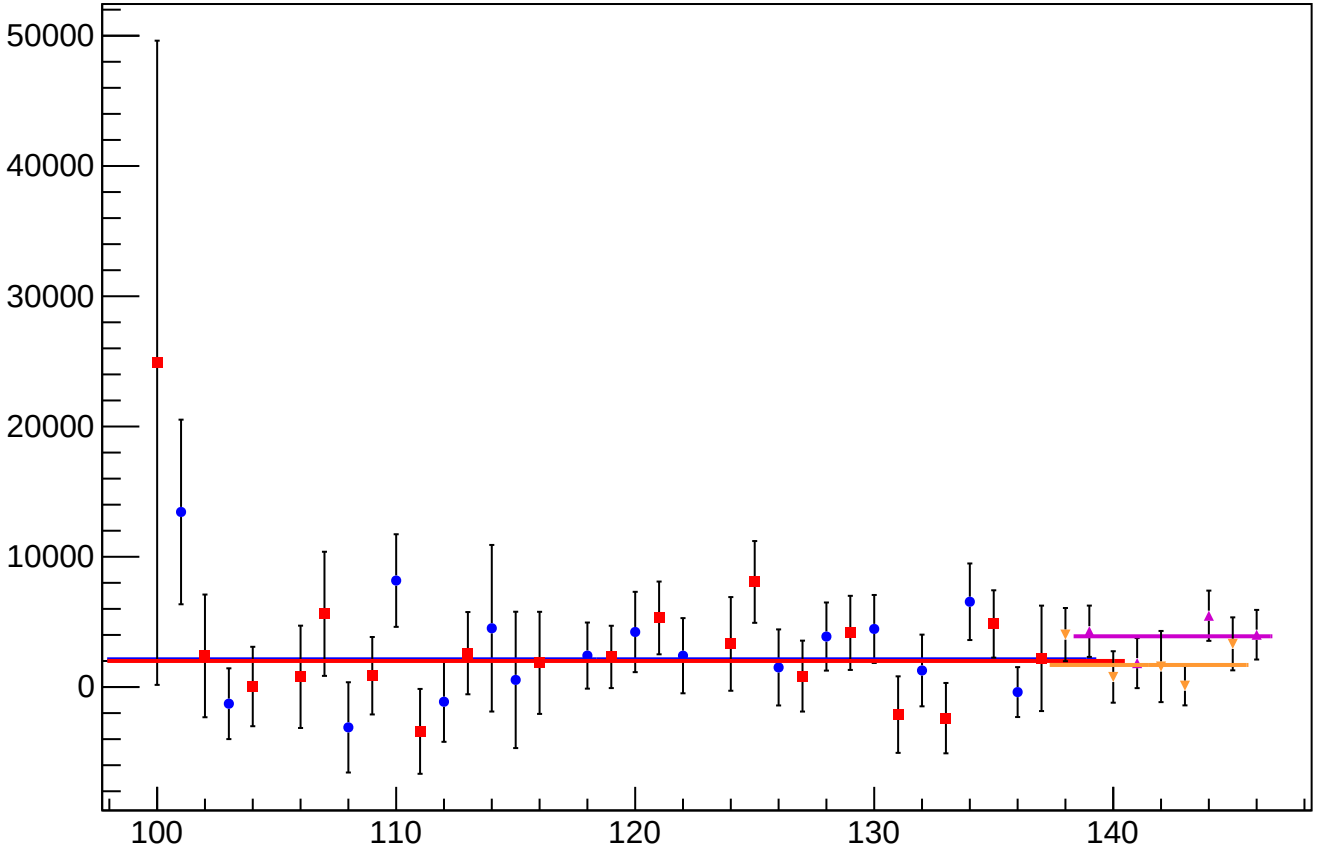
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 642.821+/-0.148 χ^2/NDF:2249962.7/19

Out: 671.134+/-0.159 χ^2/NDF:3791113.0/23

All: 656.001+/-0.108 χ^2/NDF: 6058109.1/43

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1694.893+/-873.595 χ^2/NDF:3.3/4

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 3896.341+/-965.360 χ^2/NDF:1.9/3

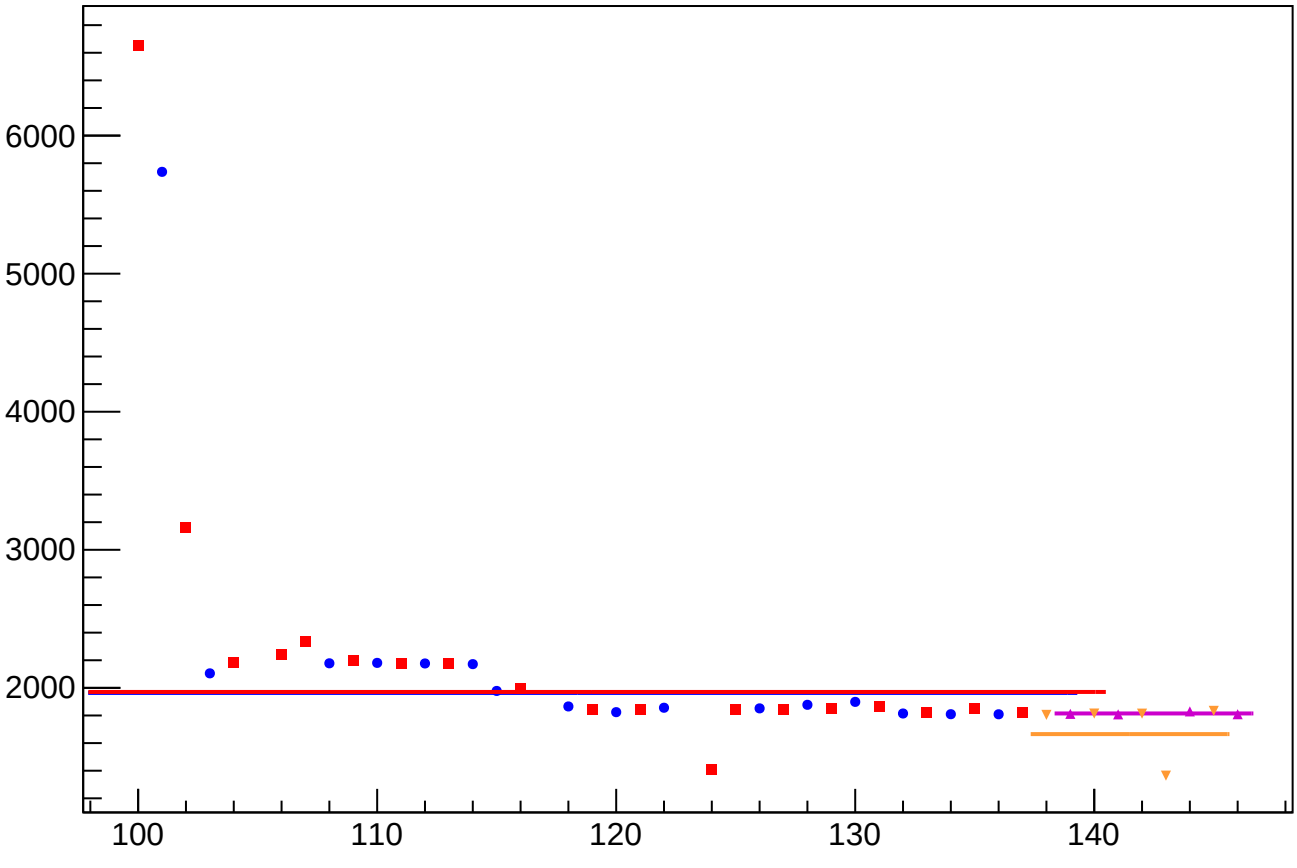
Left: 2686.035+/-647.744 χ^2/NDF: 8.0/8

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2789.906+/-590.407 χ^2/NDF:20.5/19

Out: 1874.394+/-563.400 χ^2/NDF:20.1/23

All: 2310.733+/-407.597 χ^2/NDF: 41.8/43



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1665.169+/-0.618 χ^2/NDF:119632.1/4

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1814.704+/-0.683 χ^2/NDF:163.9/3

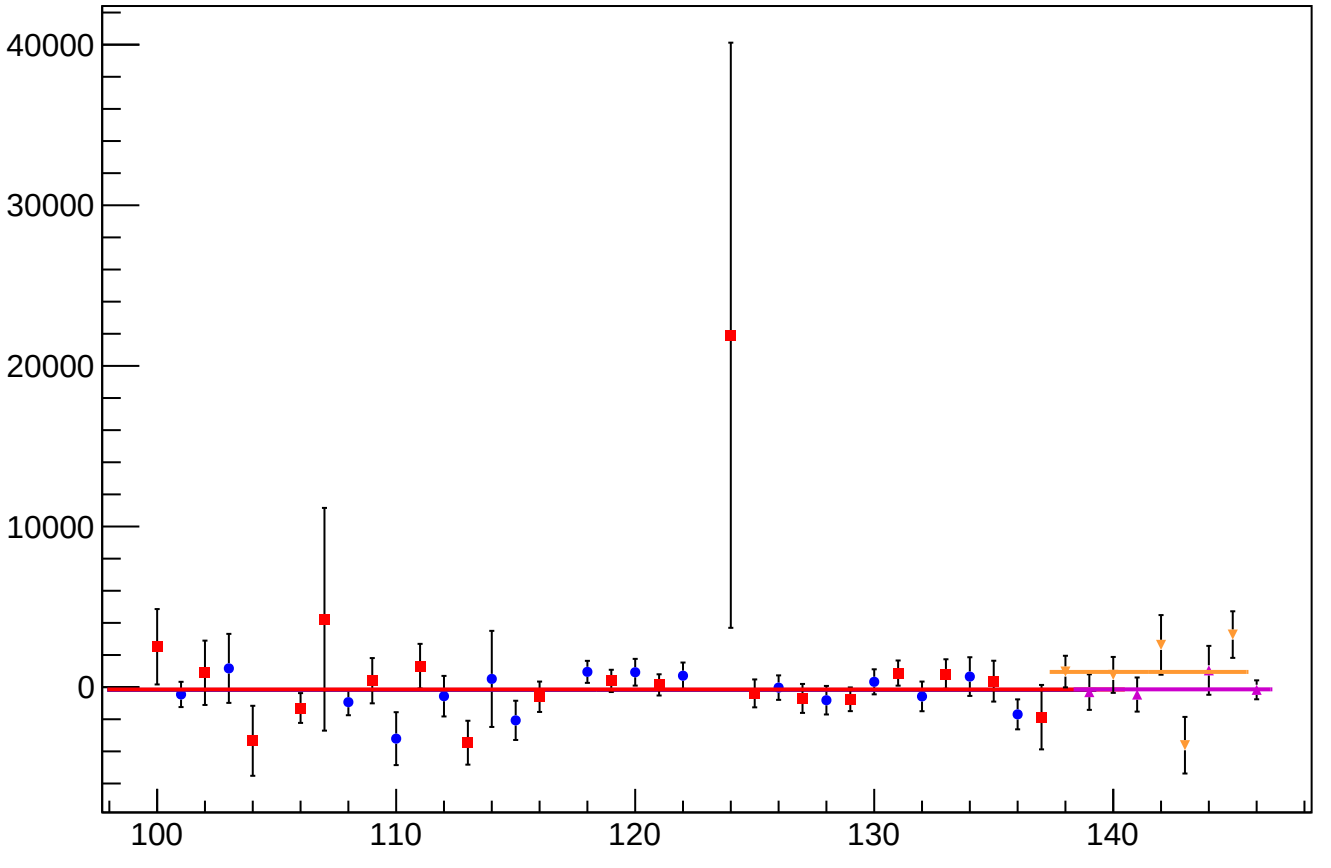
Left: 1732.493+/-0.458 χ^2/NDF: 146179.0/8

Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1907.790+/-0.417 χ^2/NDF:670126.0/19

Out: 1843.482+/-0.398 χ^2/NDF:607424.6/23

All: 1874.132+/-0.288 χ^2/NDF: 1289969.7/43



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: 946.949+/-585.068 χ^2/NDF:10.1/4

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: -137.617+/-446.879 χ^2/NDF:0.7/3

Left: 261.989+/-355.136 χ^2/NDF: 13.0/8

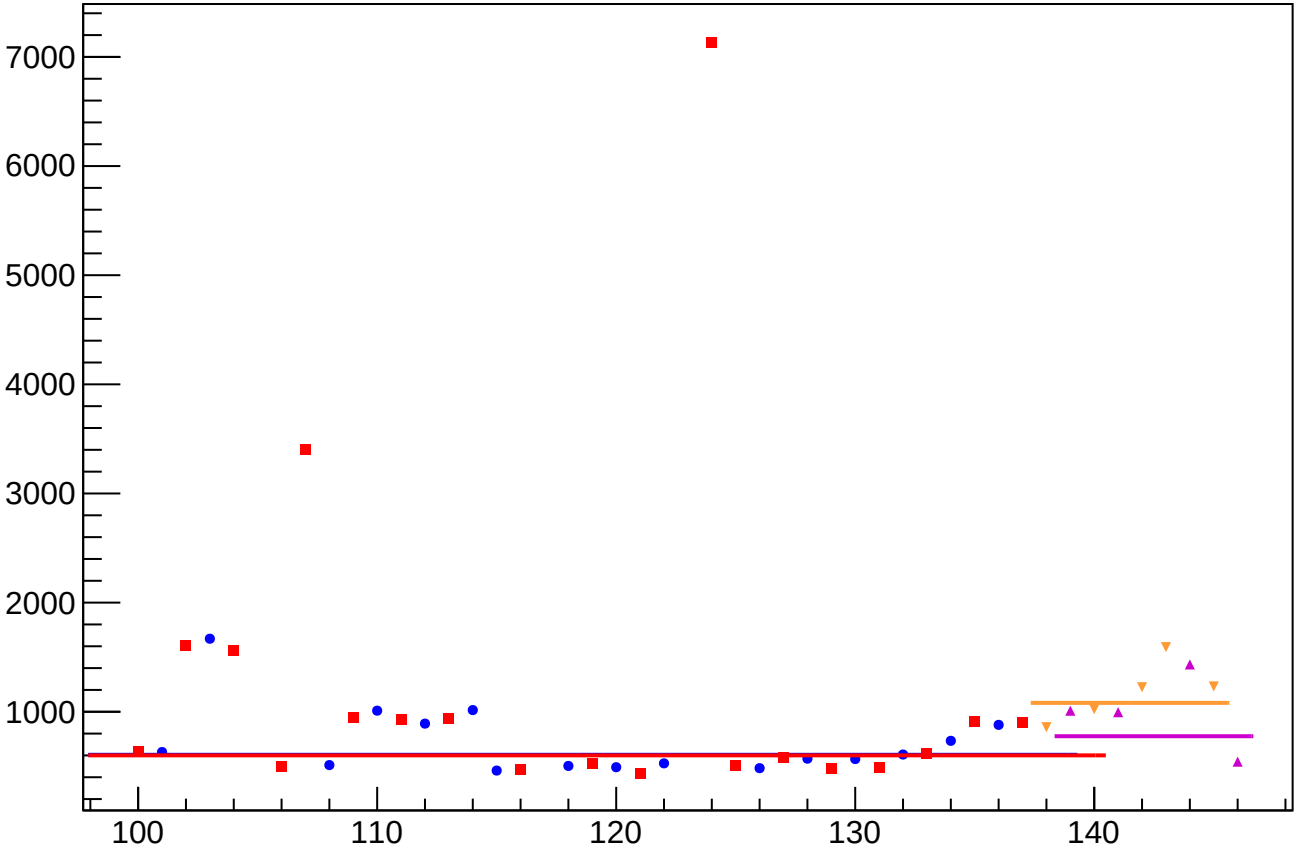
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -163.499+/-209.316 χ^2/NDF:18.0/19

Out: 13.358+/-224.293 χ^2/NDF:33.2/23

All: -81.172+/-153.030 χ^2/NDF: 51.5/43

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: 1081.418+/-0.414 χ^2/NDF:309612.4/4

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 775.862+/-0.316 χ^2/NDF:860425.5/3

Left: 888.443+/-0.251 χ^2/NDF: 1514553.4/8

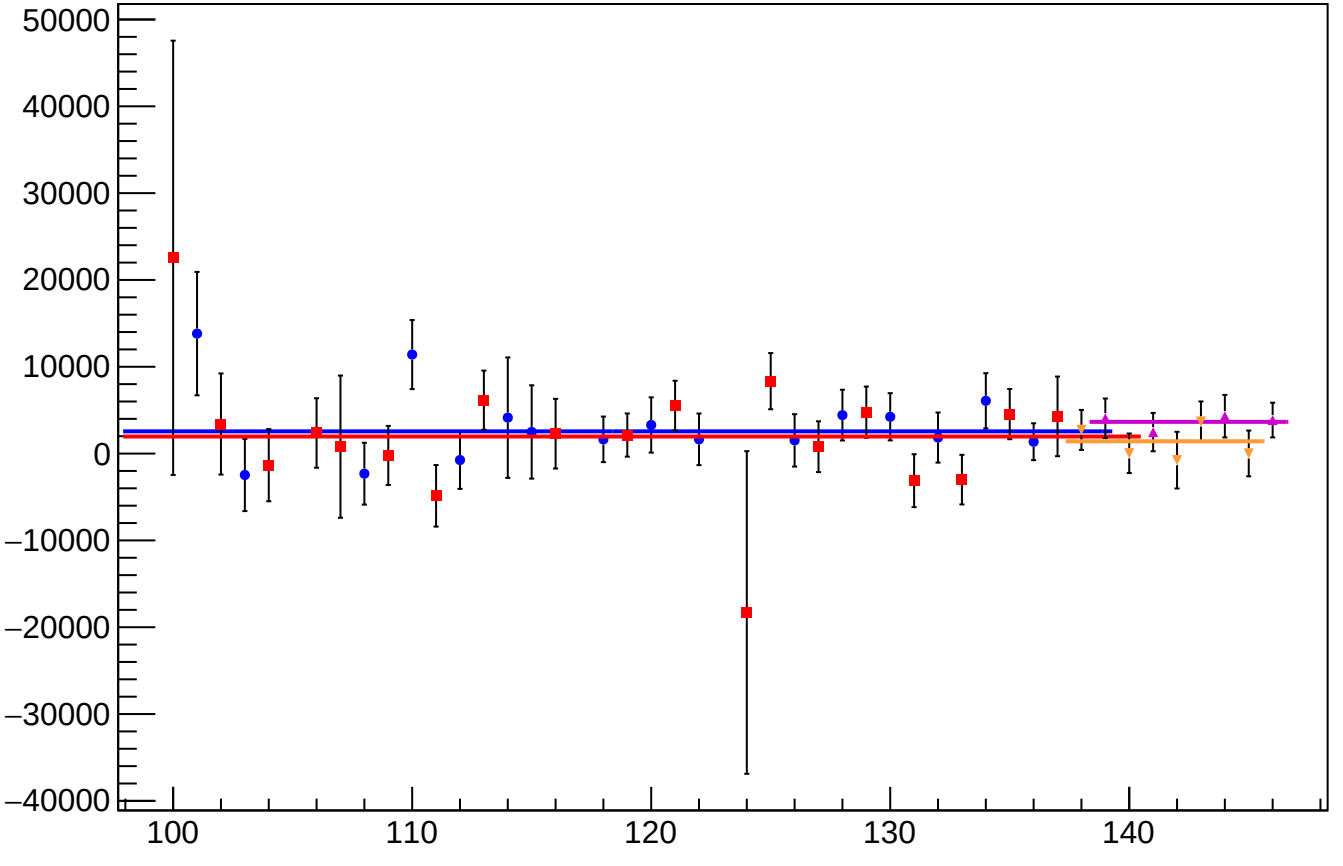
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 642.821+/-0.148 χ^2/NDF:2249974.7/19

Out: 671.133+/-0.159 χ^2/NDF:3791127.6/23

All: 656.000+/-0.108 χ^2/NDF: 6058135.6/43

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1417.246+/-1113.894 χ^2/NDF:2.4/4

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 3655.347+/-1107.425 χ^2/NDF:0.4/3

Left: 2542.814+/-785.345 χ^2/NDF: 4.8/8

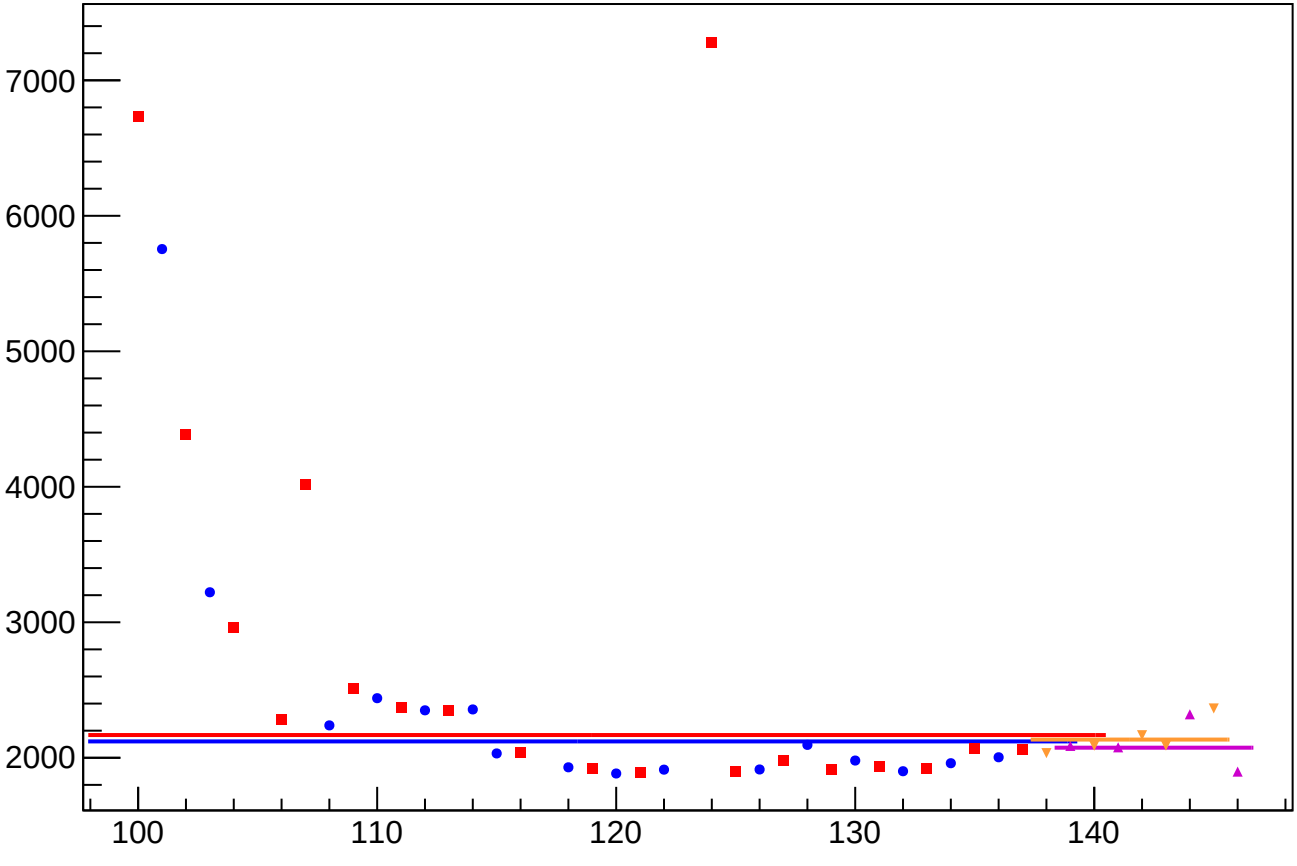
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2942.181+/-653.602 χ^2/NDF:15.6/19

Out: 1773.964+/-659.755 χ^2/NDF:24.1/23

All: 2363.545+/-464.327 χ^2/NDF: 41.4/43

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2134.408+/-0.788 χ^2/NDF:20668.8/4

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2074.449+/-0.783 χ^2/NDF:35916.9/3

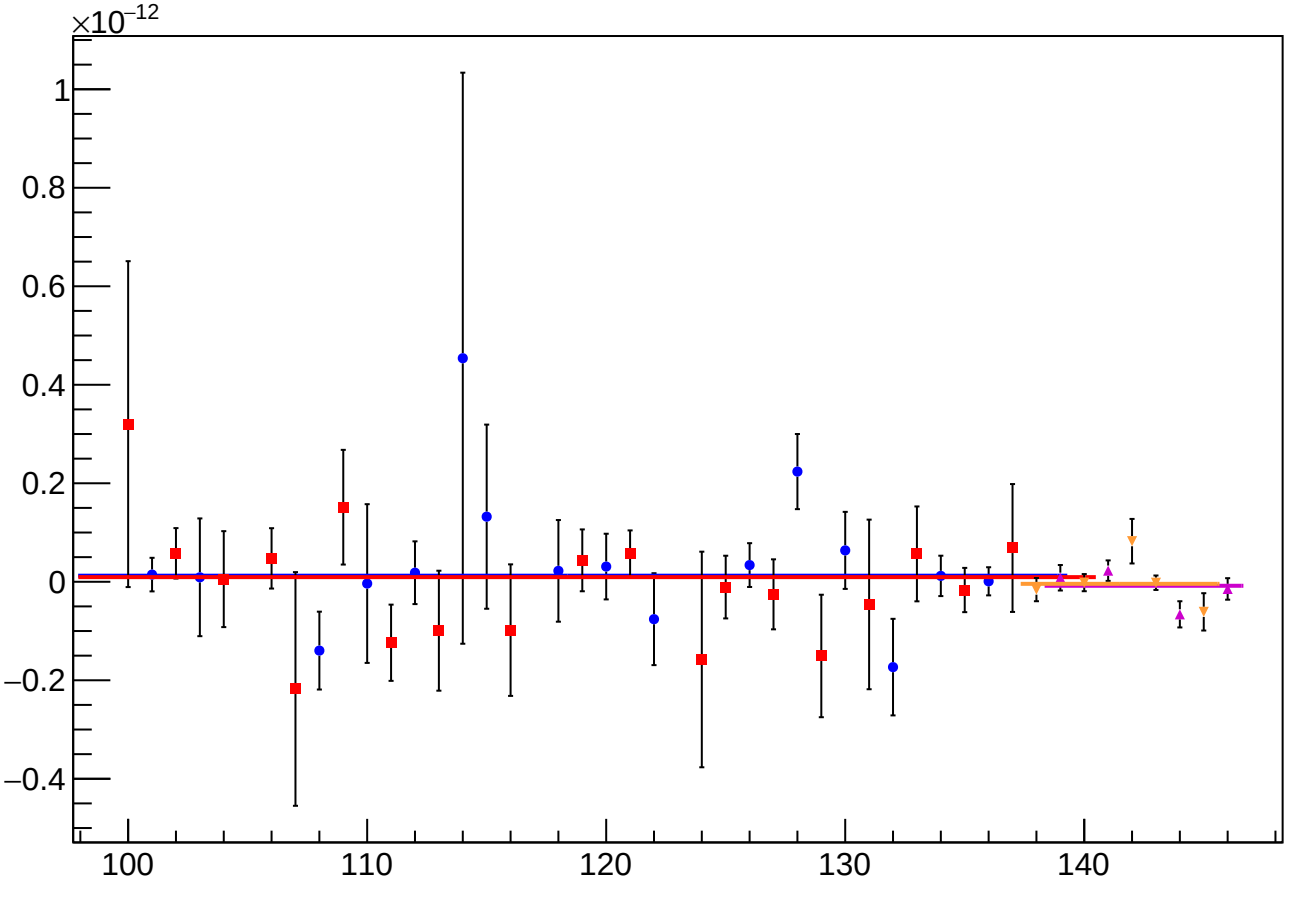
Left: 2104.254+/-0.555 χ^2/NDF: 59500.1/8

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2104.640+/-0.462 χ^2/NDF:798167.0/19

Out: 2156.111+/-0.467 χ^2/NDF:845763.9/23

All: 2130.135+/-0.328 χ^2/NDF: 1650074.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/3

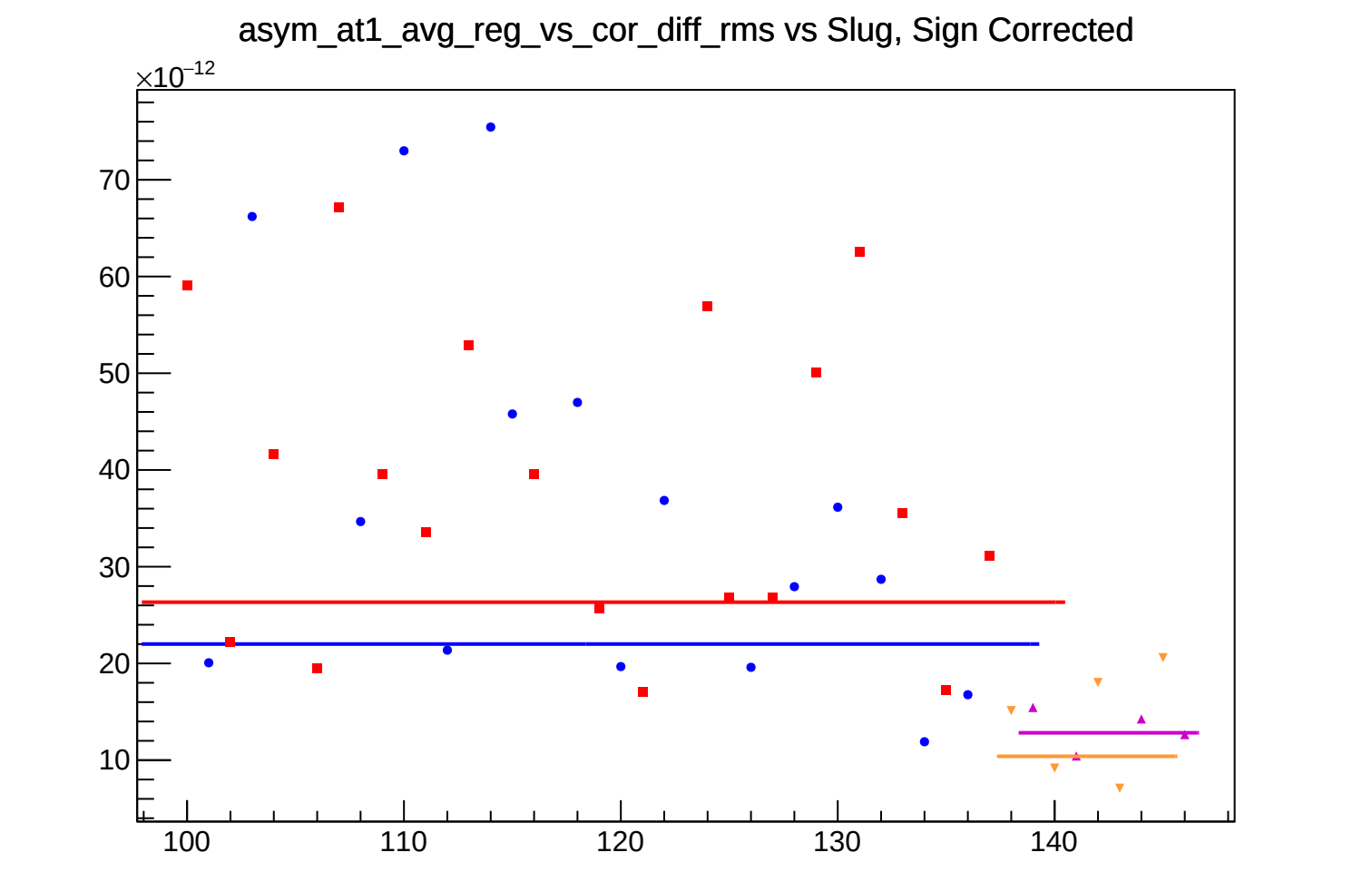
Left: -0.000+/-0.000 χ^2/NDF: 13.7/8

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:26.4/19

Out: -0.000+/-0.000 χ^2/NDF:20.4/23

All: -0.000+/-0.000 χ^2/NDF: 46.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:392882.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

Left In: 0.000+/-0.000 χ^2/NDF:53089.4/3

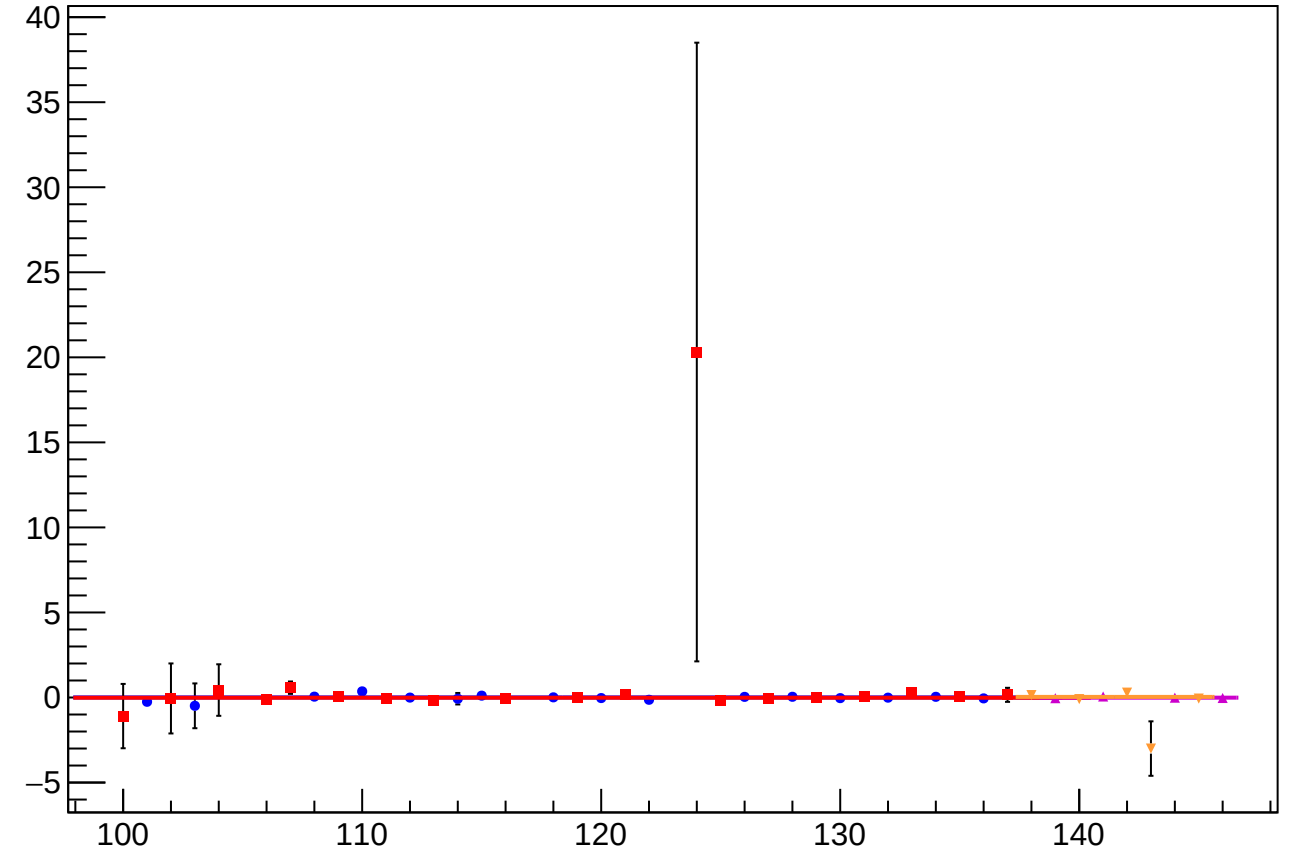
Left: 0.000+/-0.000 χ^2/NDF: 497690.9/8

Right: 0.000+/-0.000 χ^2/NDF: 1806874.5/34

In: 0.000+/-0.000 χ^2/NDF:1561807.7/19

Out: 0.000+/-0.000 χ^2/NDF:2316143.1/23

All: 0.000+/-0.000 χ^2/NDF: 3956871.0/43



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.035+/-0.054 χ^2/NDF:10.1/4

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.010+/-0.036 χ^2/NDF:1.1/3

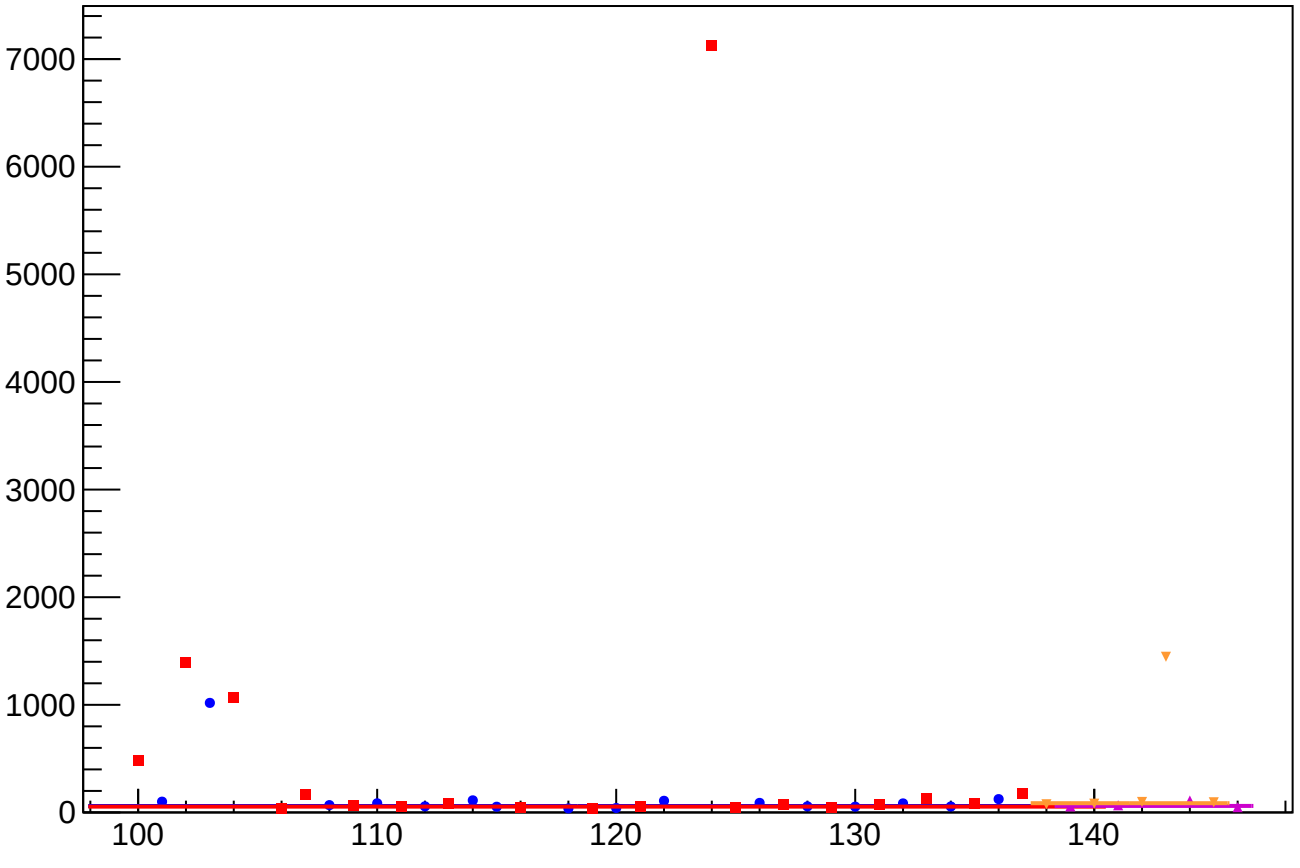
Left: 0.004+/-0.030 χ^2/NDF: 11.7/8

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.021 χ^2/NDF:12.6/19

Out: -0.004+/-0.023 χ^2/NDF:28.4/23

All: -0.002+/-0.016 χ^2/NDF: 41.0/43



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 86.046+/-0.038 χ^2/NDF:1493985.3/4

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 60.689+/-0.026 χ^2/NDF:453971.7/3

Left: 68.544+/-0.021 χ^2/NDF: 2253006.8/8

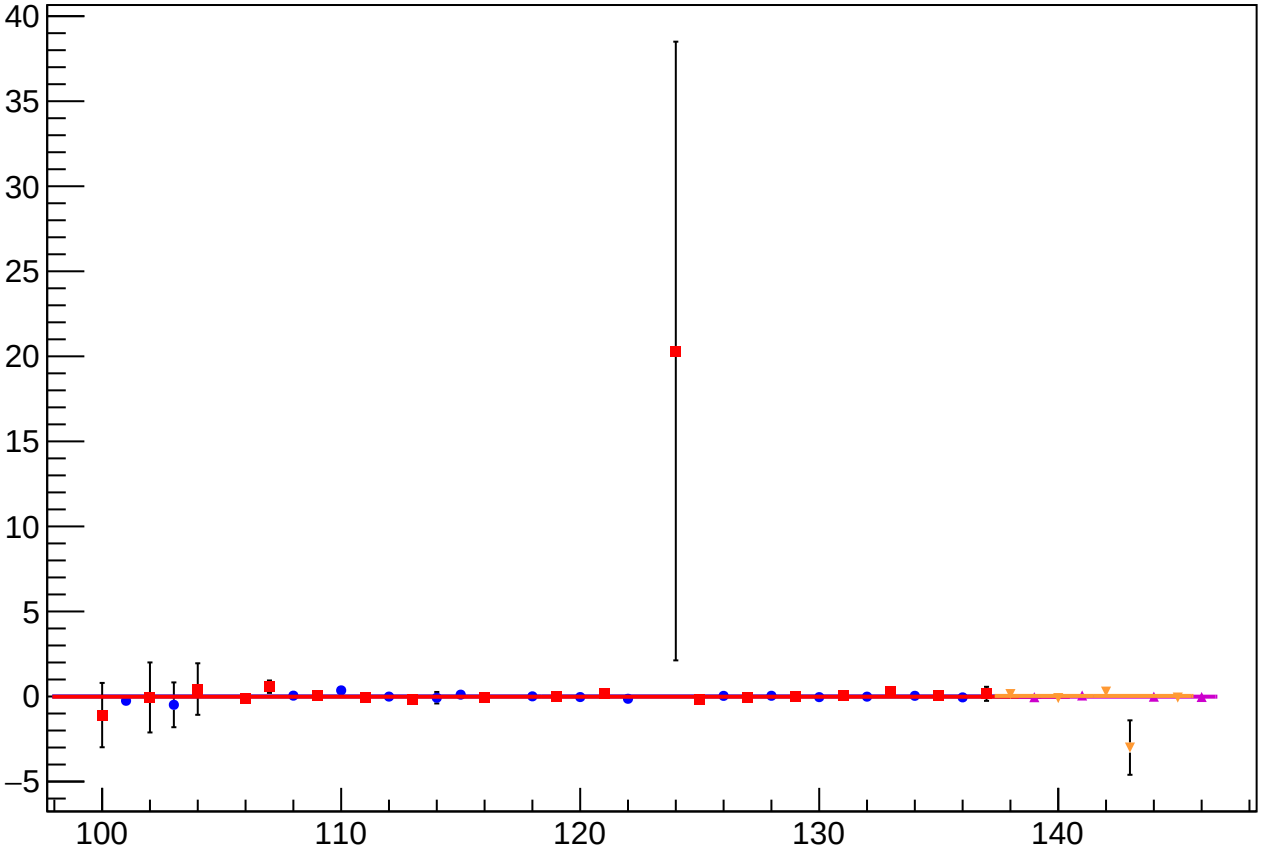
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 60.140+/-0.015 χ^2/NDF:2993553.9/19

Out: 60.173+/-0.016 χ^2/NDF:5581080.8/23

All: 60.155+/-0.011 χ^2/NDF: 8574636.8/43

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: 0.035+/-0.054 χ^2/NDF:10.1/4

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.010+/-0.036 χ^2/NDF:1.1/3

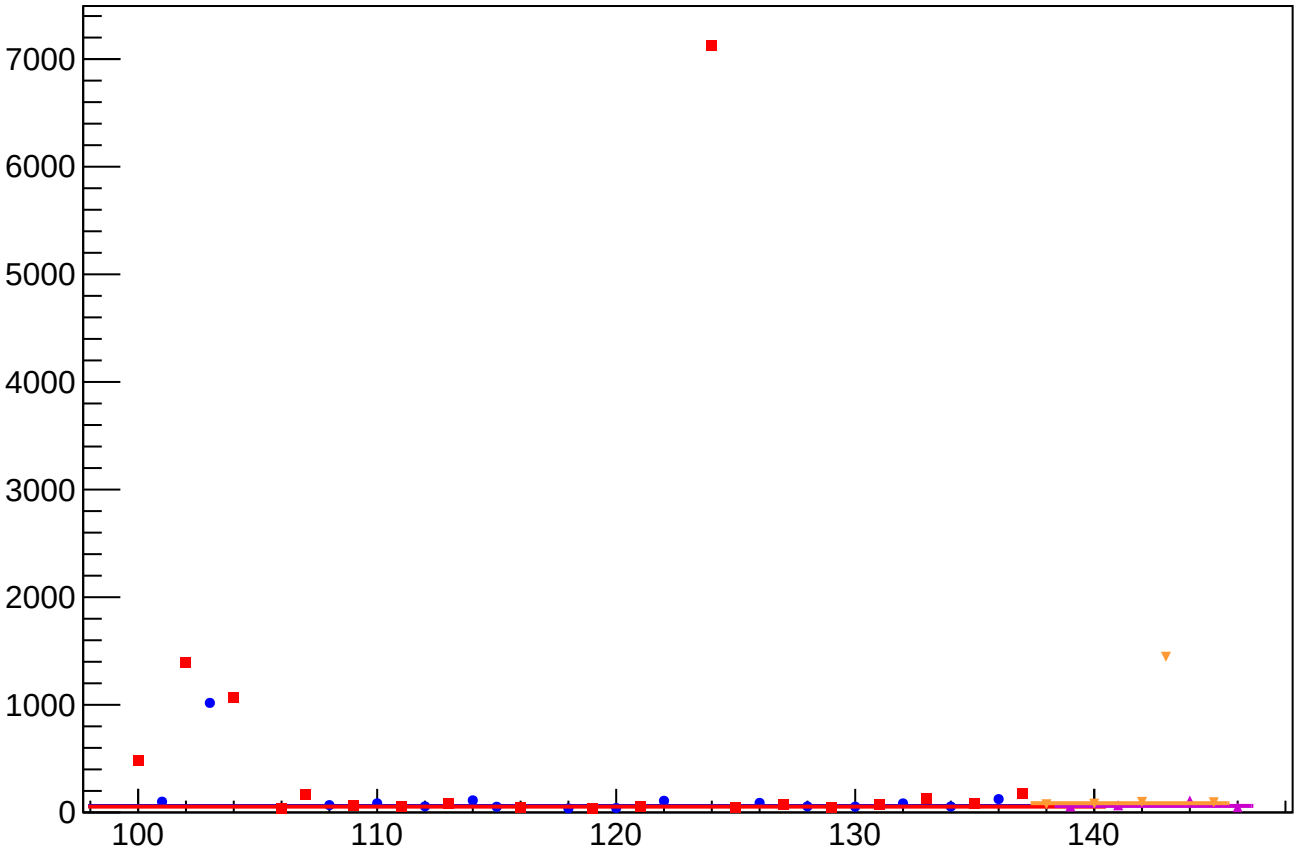
Left: 0.004+/-0.030 χ^2/NDF: 11.7/8

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.021 χ^2/NDF:12.6/19

Out: -0.004+/-0.023 χ^2/NDF:28.4/23

All: -0.002+/-0.016 χ^2/NDF: 41.0/43



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 86.046+/-0.038 χ^2/NDF:1493985.3/4

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 60.689+/-0.026 χ^2/NDF:453971.7/3

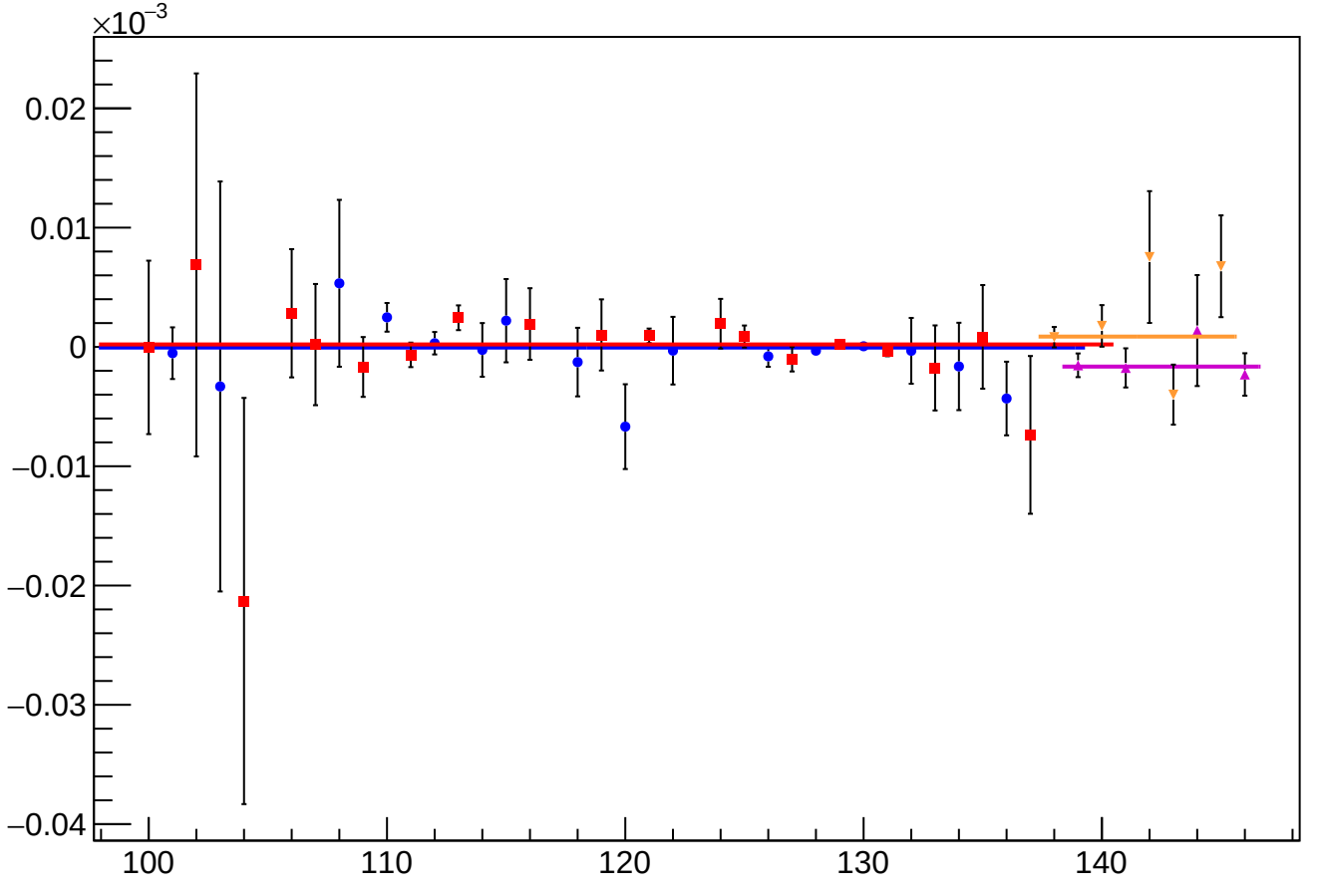
Left: 68.544+/-0.021 χ^2/NDF: 2253006.8/8

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 60.140+/-0.015 χ^2/NDF:2993553.9/19

Out: 60.173+/-0.016 χ^2/NDF:5581080.8/23

All: 60.155+/-0.011 χ^2/NDF: 8574636.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

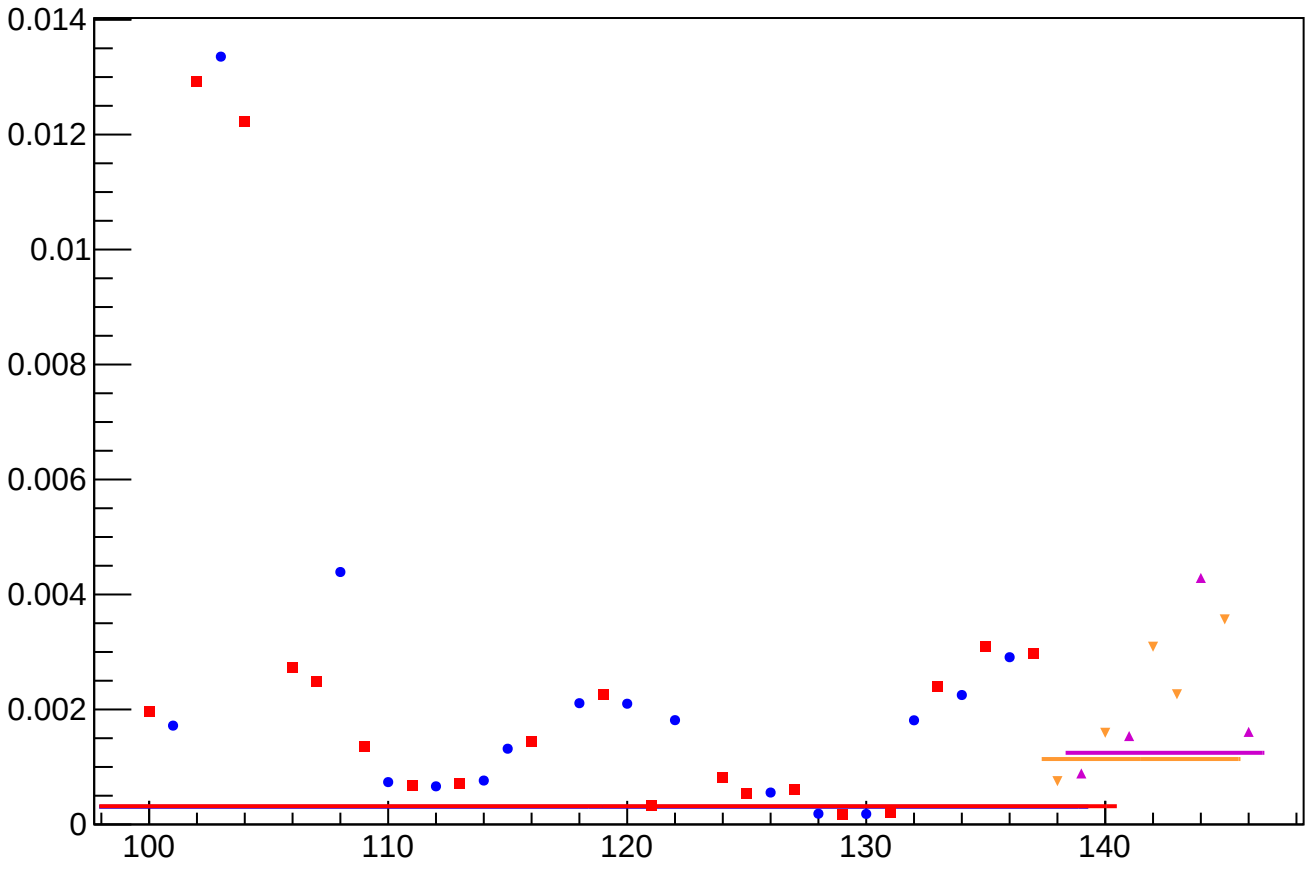
Left: -0.000+/-0.000 χ^2/NDF: 13.8/8

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:17.6/19

Out: 0.000+/-0.000 χ^2/NDF:23.8/23

All: 0.000+/-0.000 χ^2/NDF: 43.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1840146.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1264025.1/3

Left: 0.001+/-0.000 χ^2/NDF: 3125749.7/8

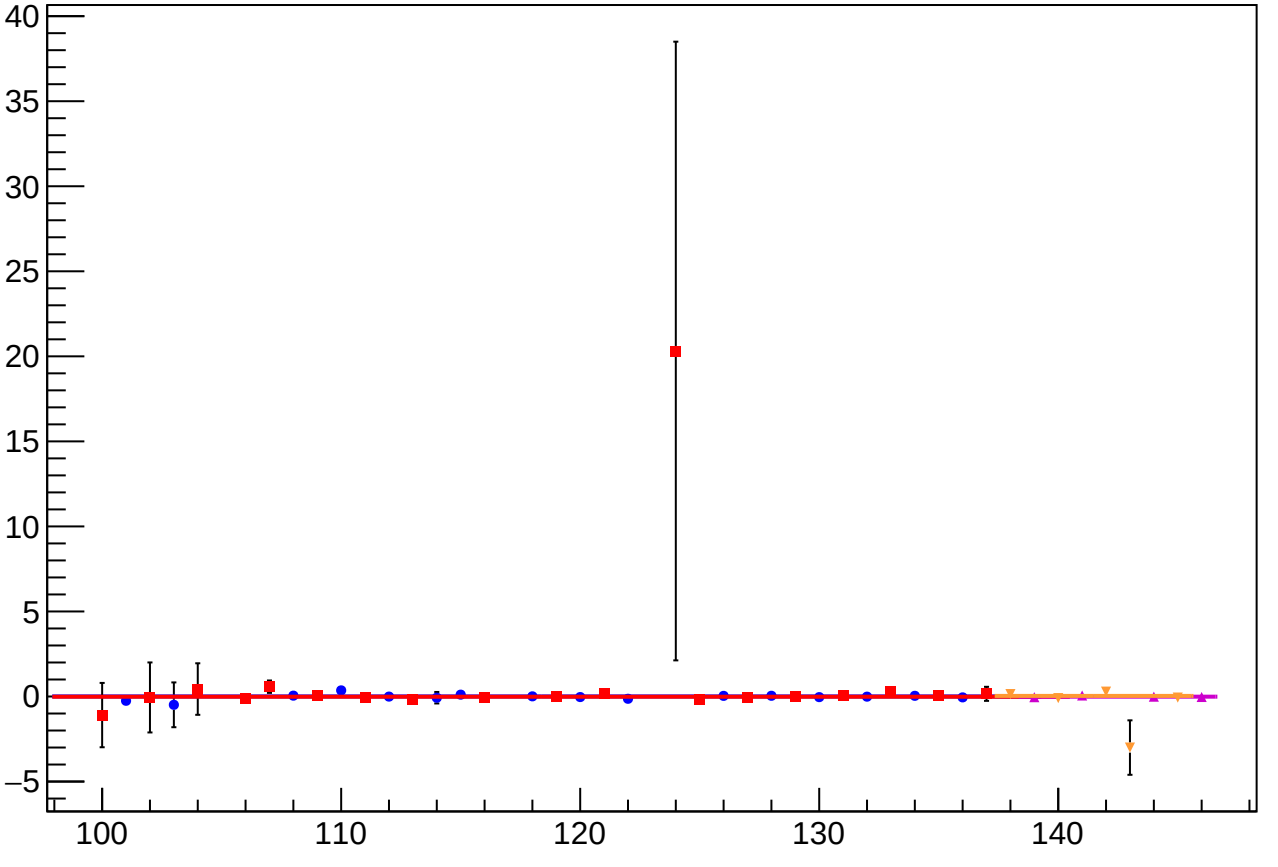
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:12907168.1/19

Out: 0.000+/-0.000 χ^2/NDF:12292326.1/23

All: 0.000+/-0.000 χ^2/NDF: 25200684.3/43

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: 0.035+/-0.054 χ^2/NDF:10.1/4

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.010+/-0.036 χ^2/NDF:1.1/3

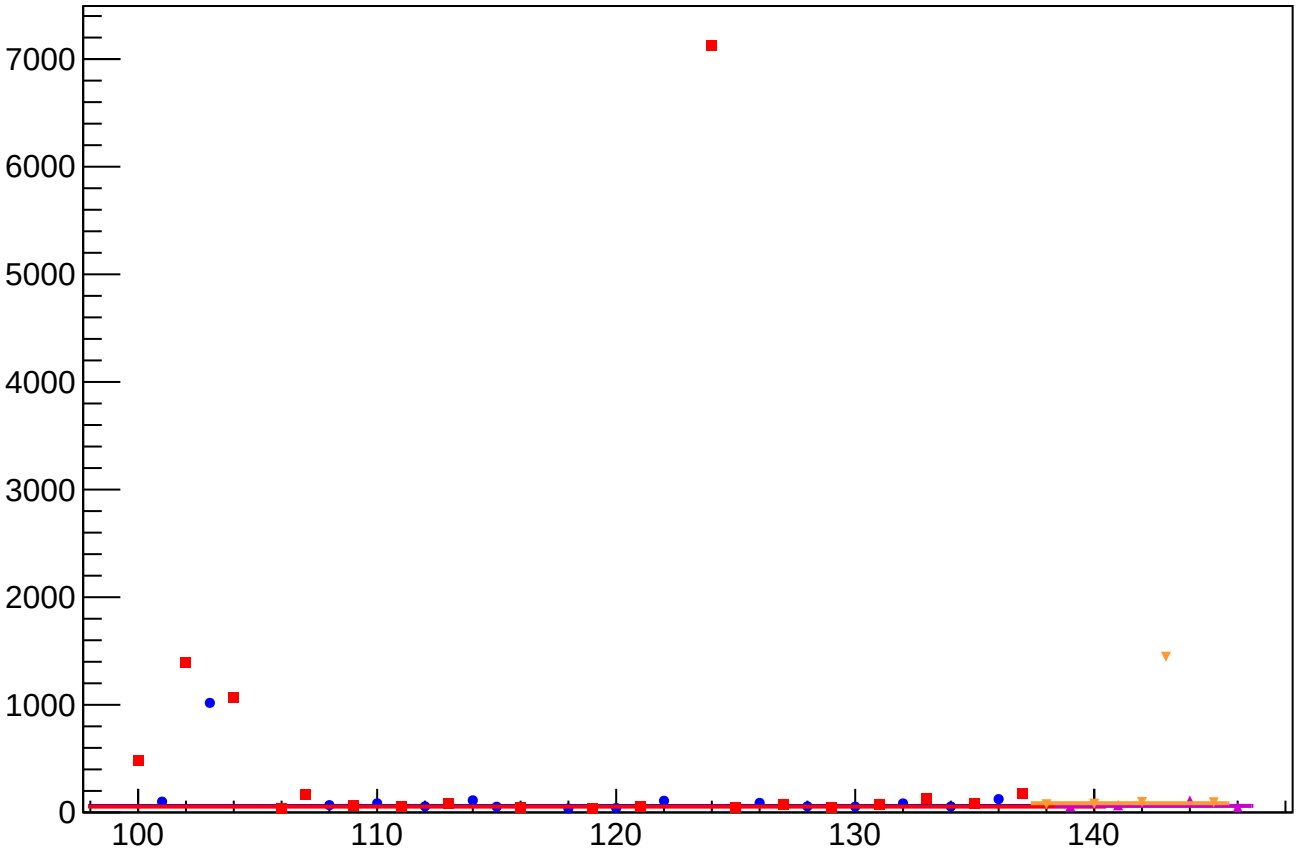
Left: 0.004+/-0.030 χ^2/NDF: 11.7/8

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.021 χ^2/NDF:12.6/19

Out: -0.004+/-0.023 χ^2/NDF:28.4/23

All: -0.002+/-0.016 χ^2/NDF: 41.0/43



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 86.045+/-0.038 χ^2/NDF:1493985.0/4

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 60.689+/-0.026 χ^2/NDF:453977.1/3

Left: 68.544+/-0.021 χ^2/NDF: 2253012.1/8

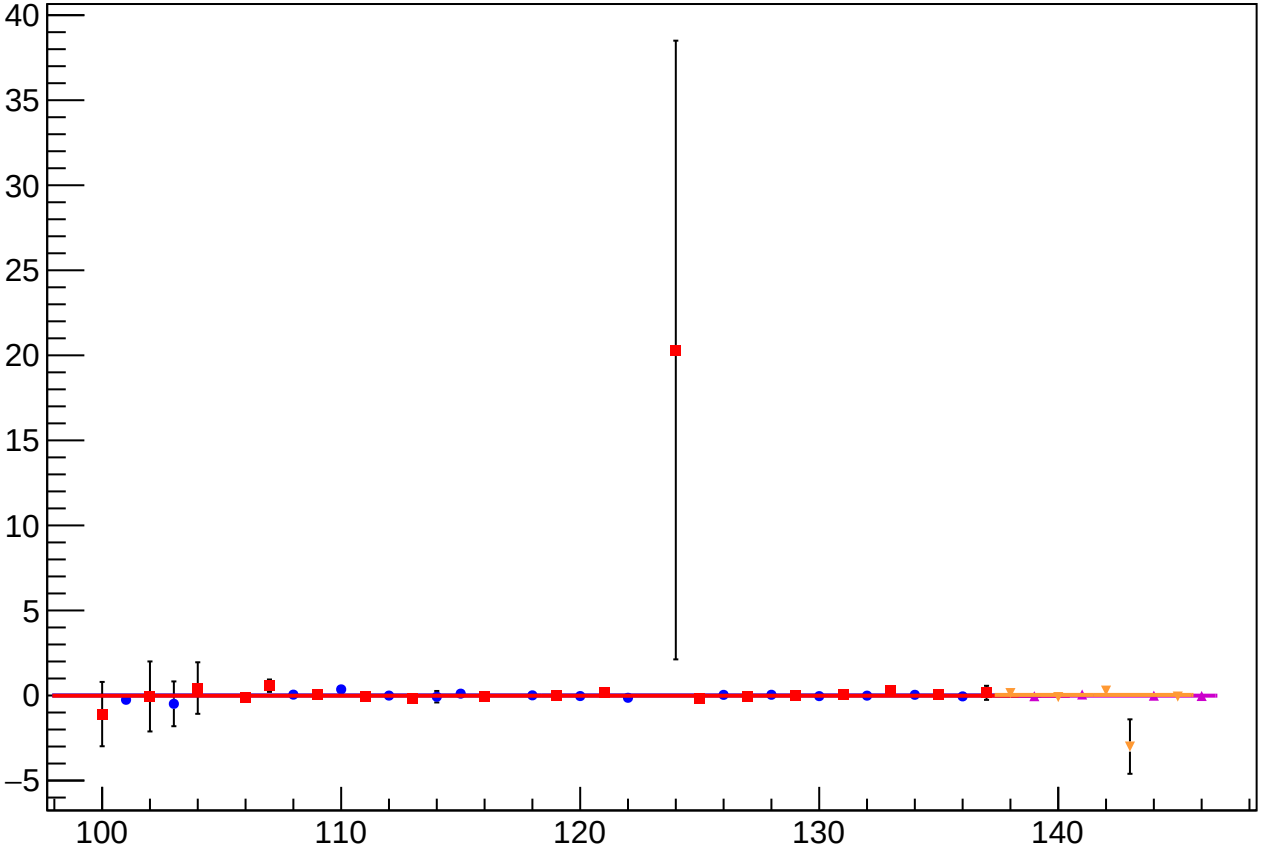
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 60.140+/-0.015 χ^2/NDF:2993573.3/19

Out: 60.172+/-0.016 χ^2/NDF:5581176.0/23

All: 60.154+/-0.011 χ^2/NDF: 8574751.3/43

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: 0.035+/-0.054 χ^2/NDF:10.1/4

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.010+/-0.036 χ^2/NDF:1.1/3

Left: 0.004+/-0.030 χ^2/NDF: 11.7/8

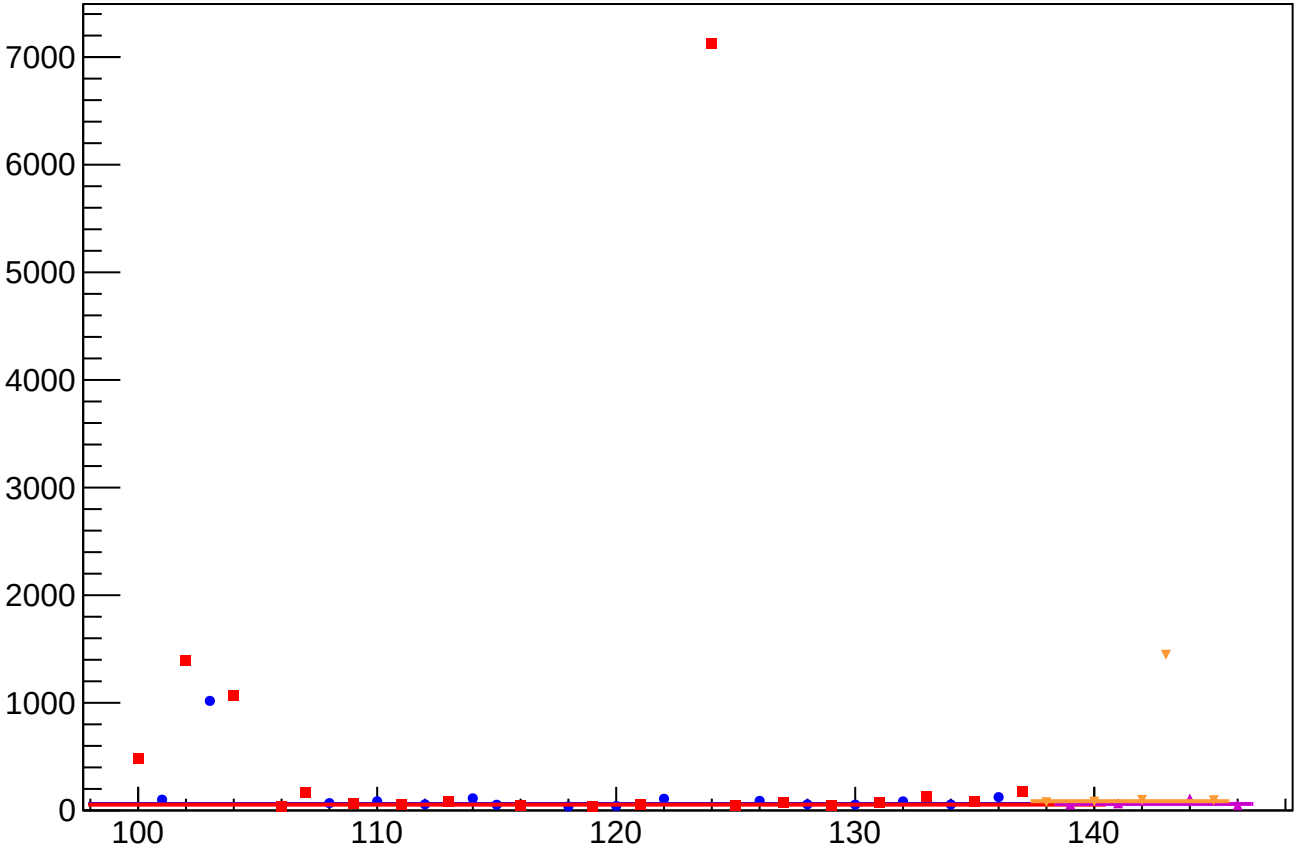
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.021 χ^2/NDF:12.6/19

Out: -0.004+/-0.023 χ^2/NDF:28.4/23

All: -0.002+/-0.016 χ^2/NDF: 41.0/43

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: 86.045+/-0.038 χ^2/NDF:1493985.0/4

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 60.689+/-0.026 χ^2/NDF:453977.1/3

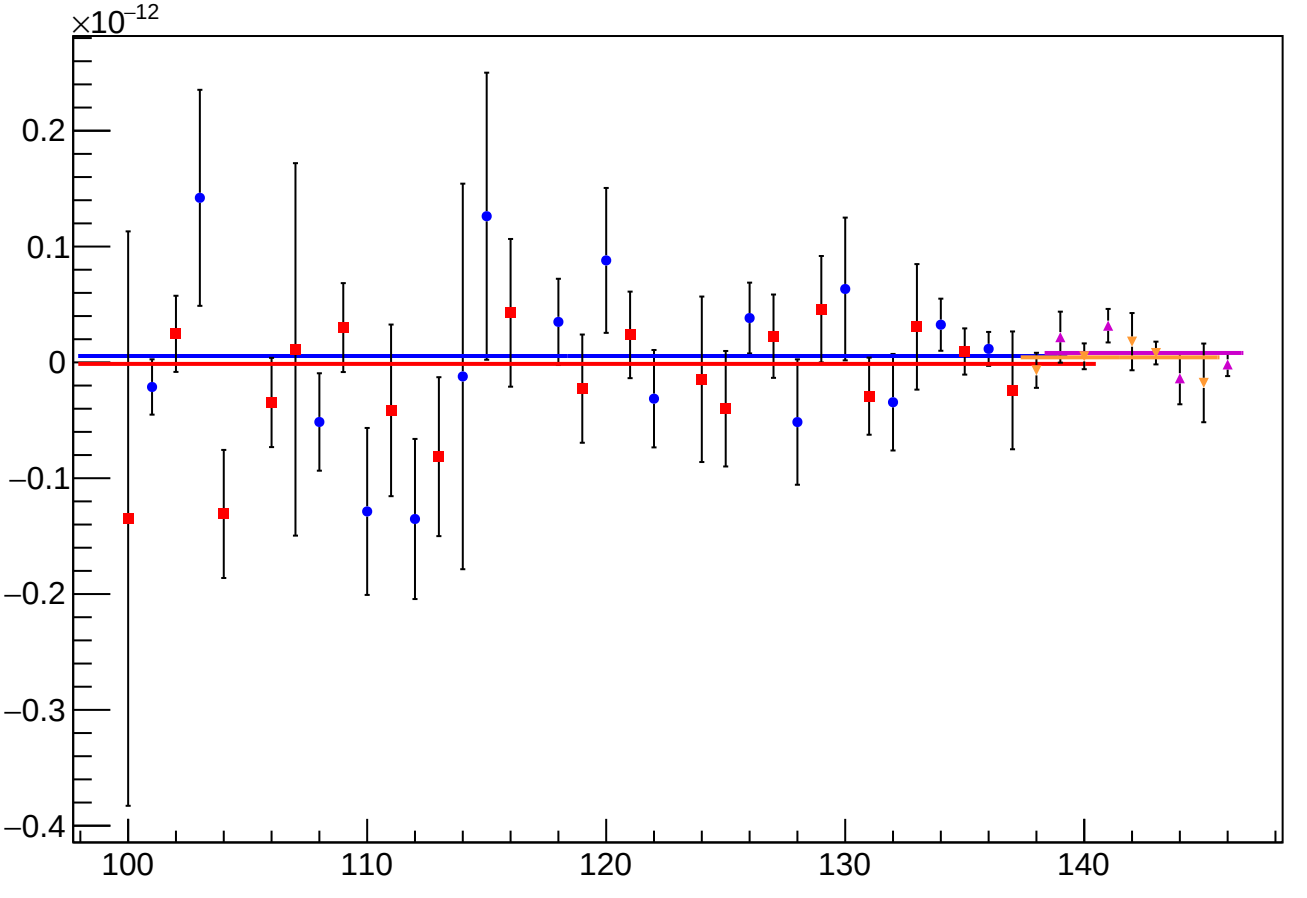
Left: 68.544+/-0.021 χ^2/NDF: 2253012.1/8

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 60.140+/-0.015 χ^2/NDF:2993573.3/19

Out: 60.172+/-0.016 χ^2/NDF:5581176.0/23

All: 60.154+/-0.011 χ^2/NDF: 8574751.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/3

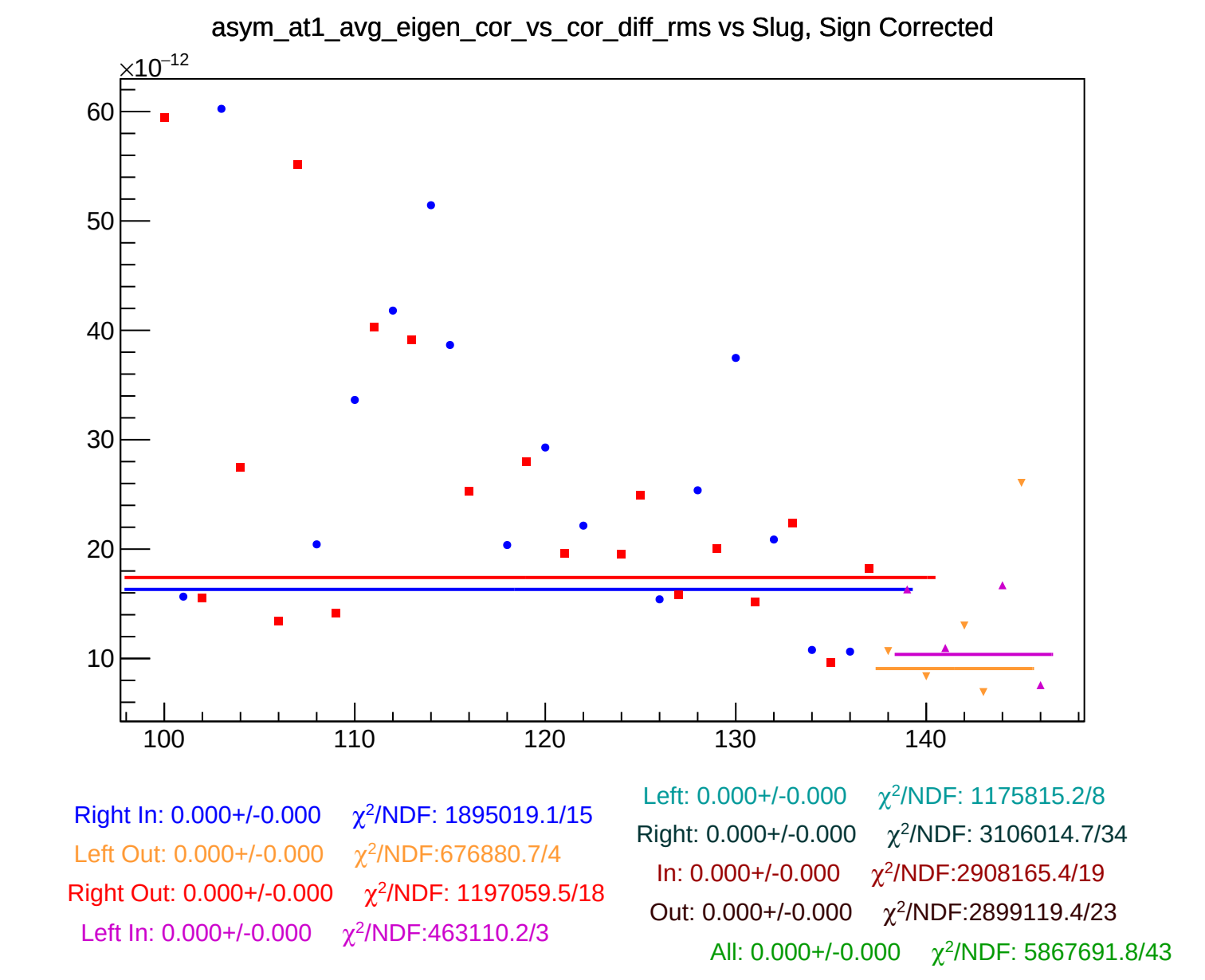
Left: 0.000+/-0.000 χ^2/NDF: 6.5/8

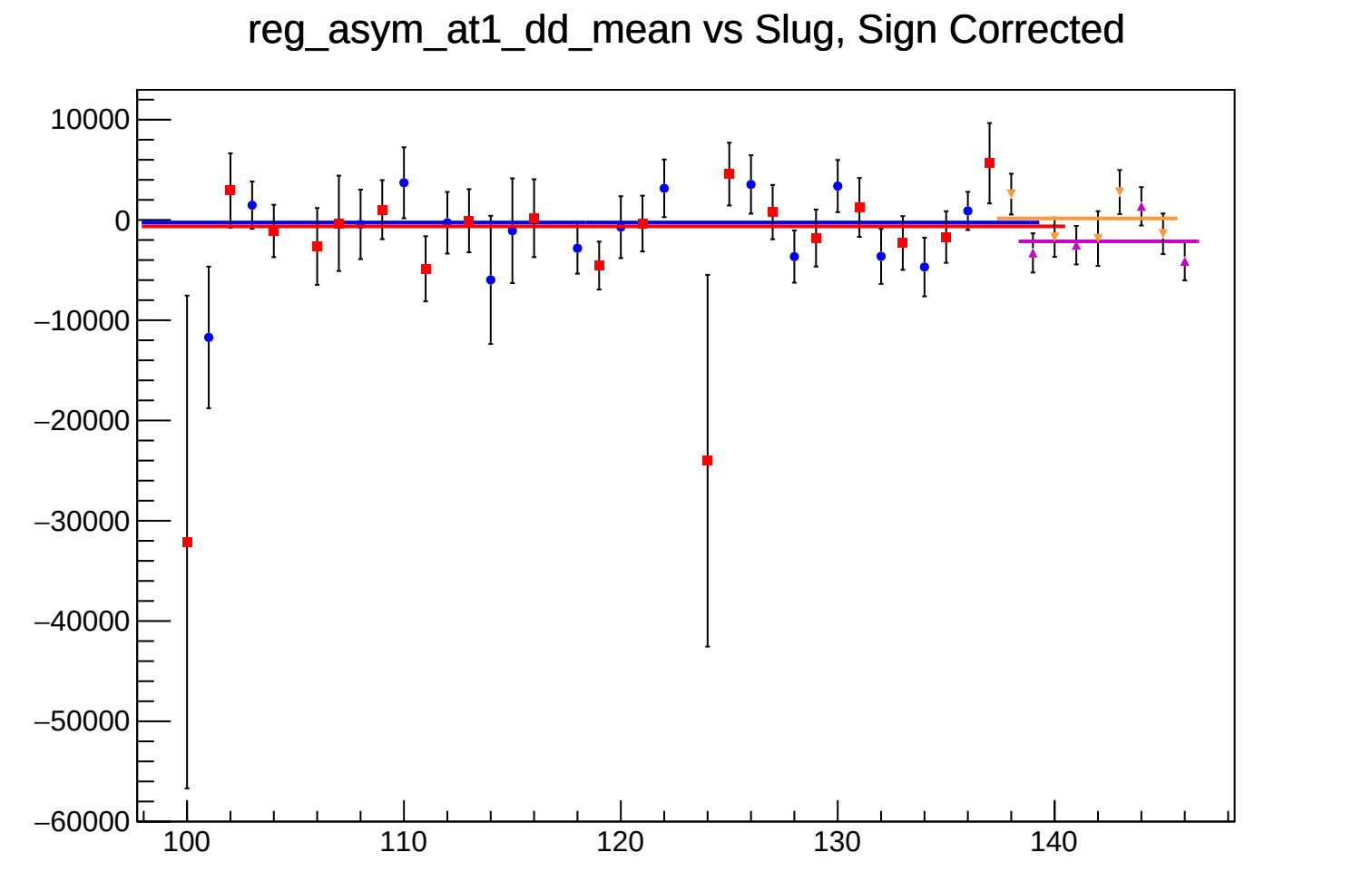
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: 0.000+/-0.000 χ^2/NDF:27.6/19

Out: 0.000+/-0.000 χ^2/NDF:16.0/23

All: 0.000+/-0.000 χ^2/NDF: 43.9/43


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
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:676880.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:463110.2/3
Left: 0.000+/-0.000 χ²/NDF: 1175815.2/8
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:2908165.4/19
Out: 0.000+/-0.000 χ²/NDF:2899119.4/23
All: 0.000+/-0.000 χ²/NDF: 5867691.8/43



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 150.798+/-959.264 χ^2/NDF:4.9/4

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -2135.952+/-961.204 χ^2/NDF:4.8/3

Left: -990.267+/-678.987 χ^2/NDF: 12.5/8

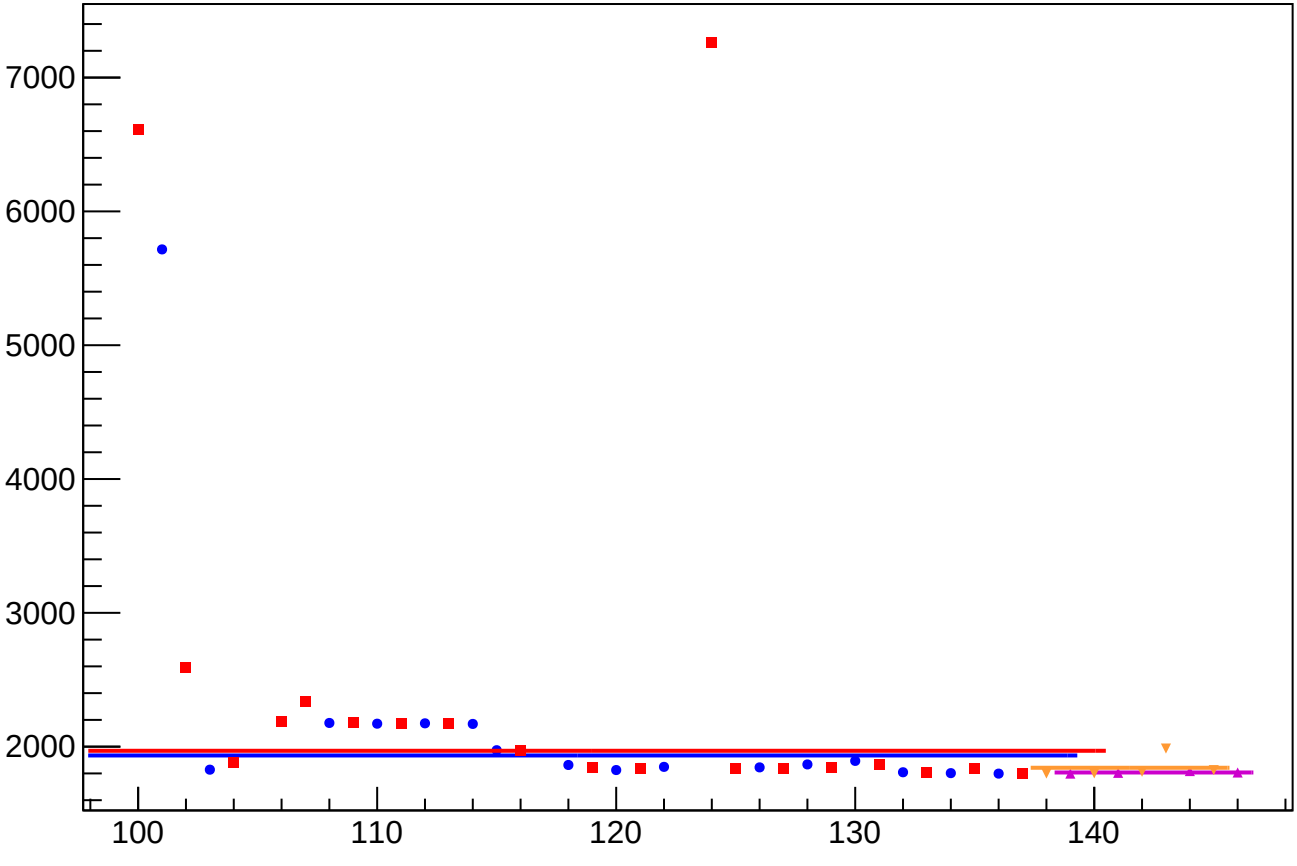
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -946.814+/-583.920 χ^2/NDF:24.5/19

Out: -344.767+/-583.667 χ^2/NDF:21.2/23

All: -645.660+/-412.804 χ^2/NDF: 46.2/43

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1842.301+/-0.678 χ^2/NDF:10738.3/4

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

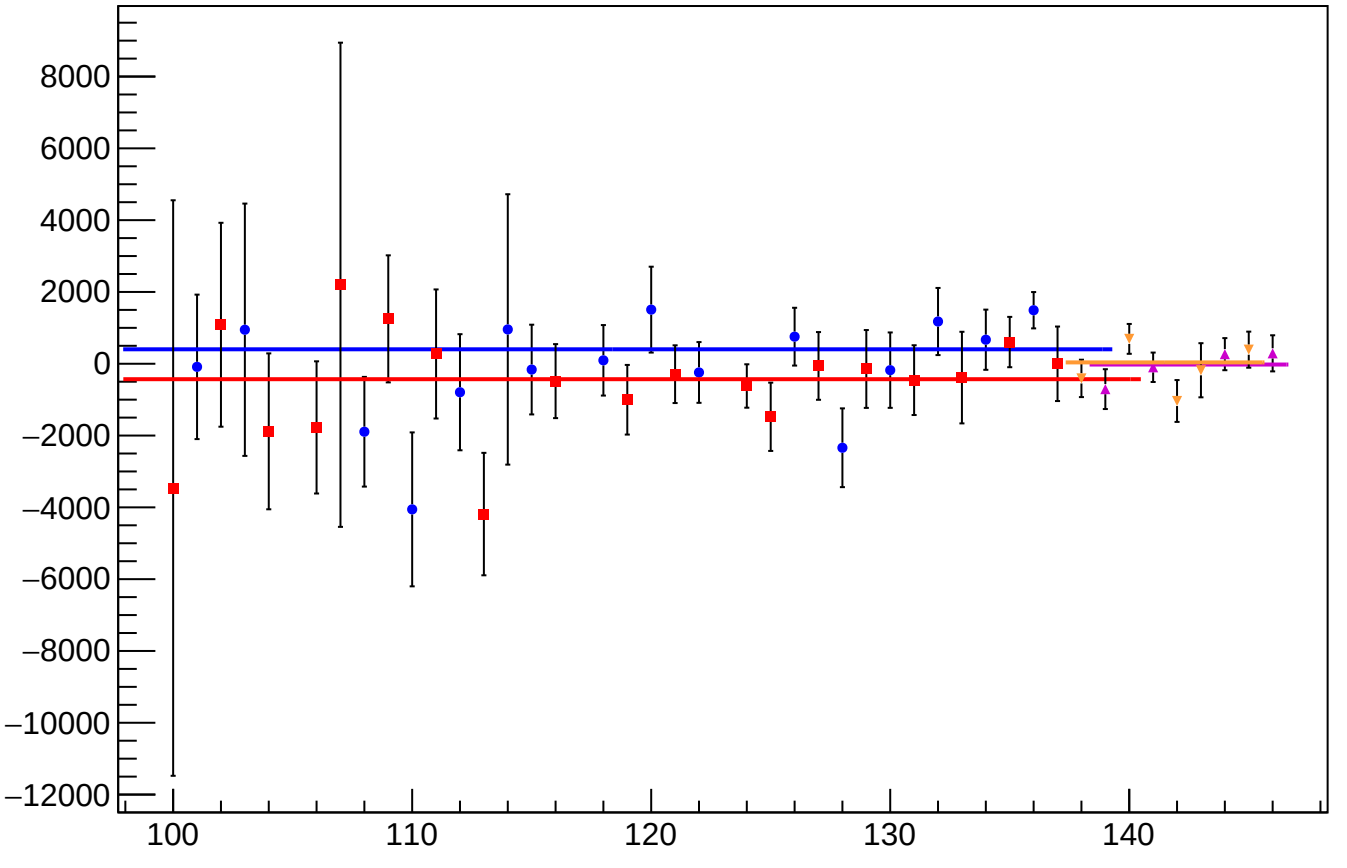
Left: 1824.708+/-0.480 χ^2/NDF: 12188.8/8

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1887.284+/-0.413 χ^2/NDF:662112.1/19

Out: 1922.223+/-0.413 χ^2/NDF:411161.2/23

All: 1904.761+/-0.292 χ^2/NDF: 1076855.0/43



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 37.770+/-234.818 χ^2/NDF:7.2/4

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -21.818+/-234.599 χ^2/NDF:2.4/3

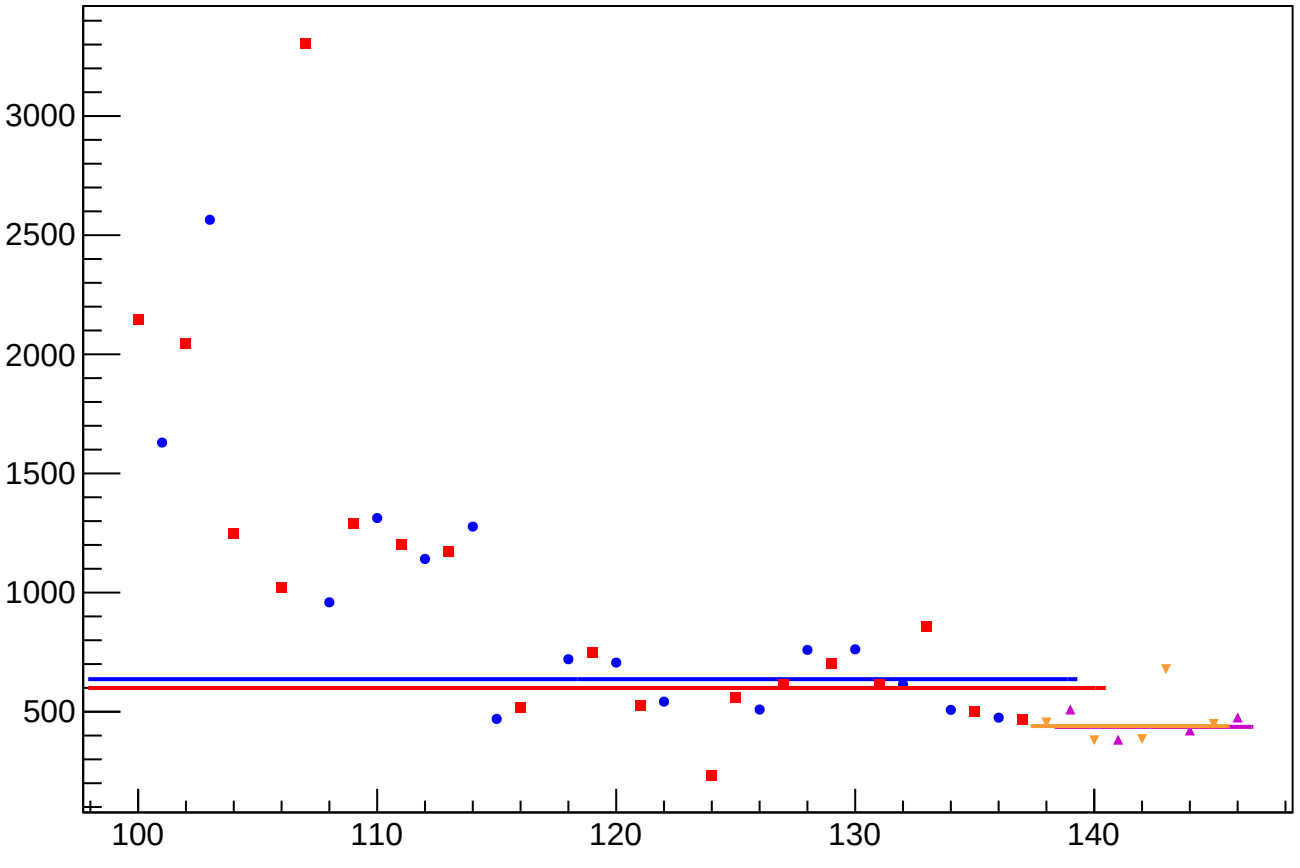
Left: 7.948+/-165.964 χ^2/NDF: 9.6/8

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 169.819+/-173.746 χ^2/NDF:25.0/19

Out: -178.897+/-172.055 χ^2/NDF:20.8/23

All: -6.244+/-122.255 χ^2/NDF: 47.8/43



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 439.846+/-0.166 χ^2/NDF:261711.2/4

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 436.407+/-0.166 χ^2/NDF:83698.8/3

Left: 438.125+/-0.117 χ^2/NDF: 345624.7/8

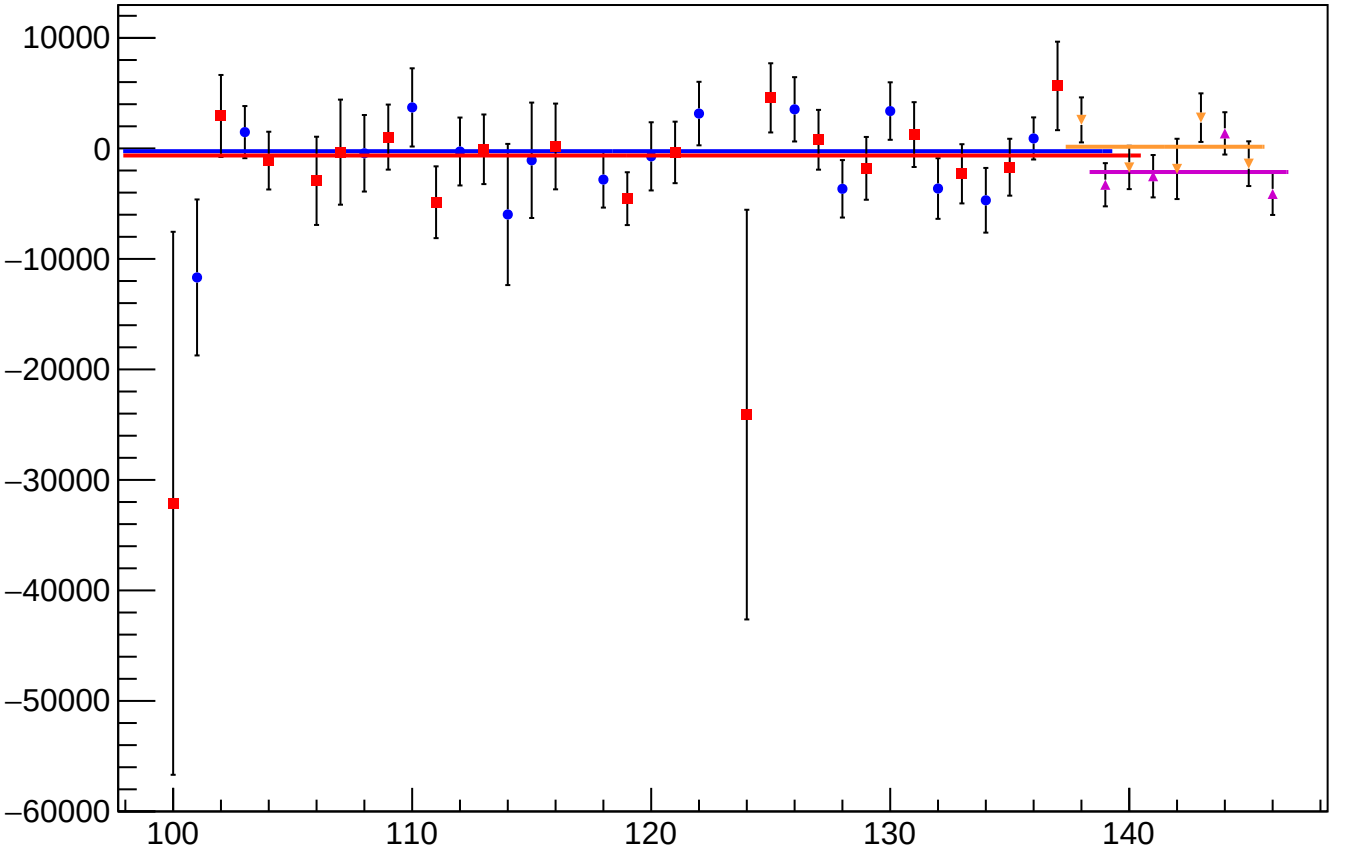
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 526.839+/-0.123 χ^2/NDF:2808804.0/19

Out: 513.847+/-0.122 χ^2/NDF:3634695.3/23

All: 520.280+/-0.086 χ^2/NDF: 6449146.0/43

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 150.704+/-959.264 χ^2/NDF:4.9/4

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -2136.010+/-961.204 χ^2/NDF:4.8/3

Left: -990.343+/-678.987 χ^2/NDF: 12.5/8

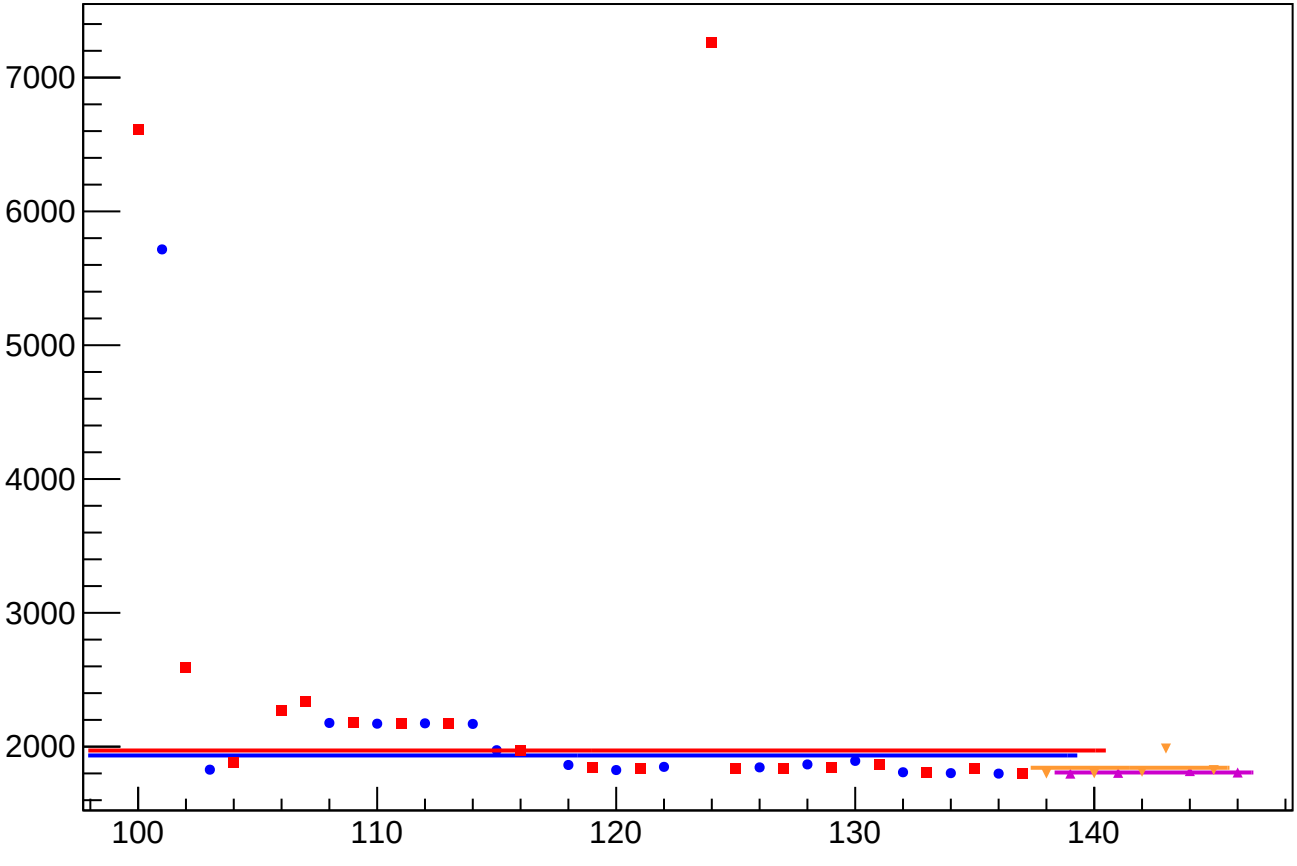
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -946.325+/-583.920 χ^2/NDF:24.5/19

Out: -347.276+/-584.202 χ^2/NDF:21.3/23

All: -646.945+/-412.994 χ^2/NDF: 46.3/43

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1842.301+/-0.678 χ^2/NDF:10738.3/4

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

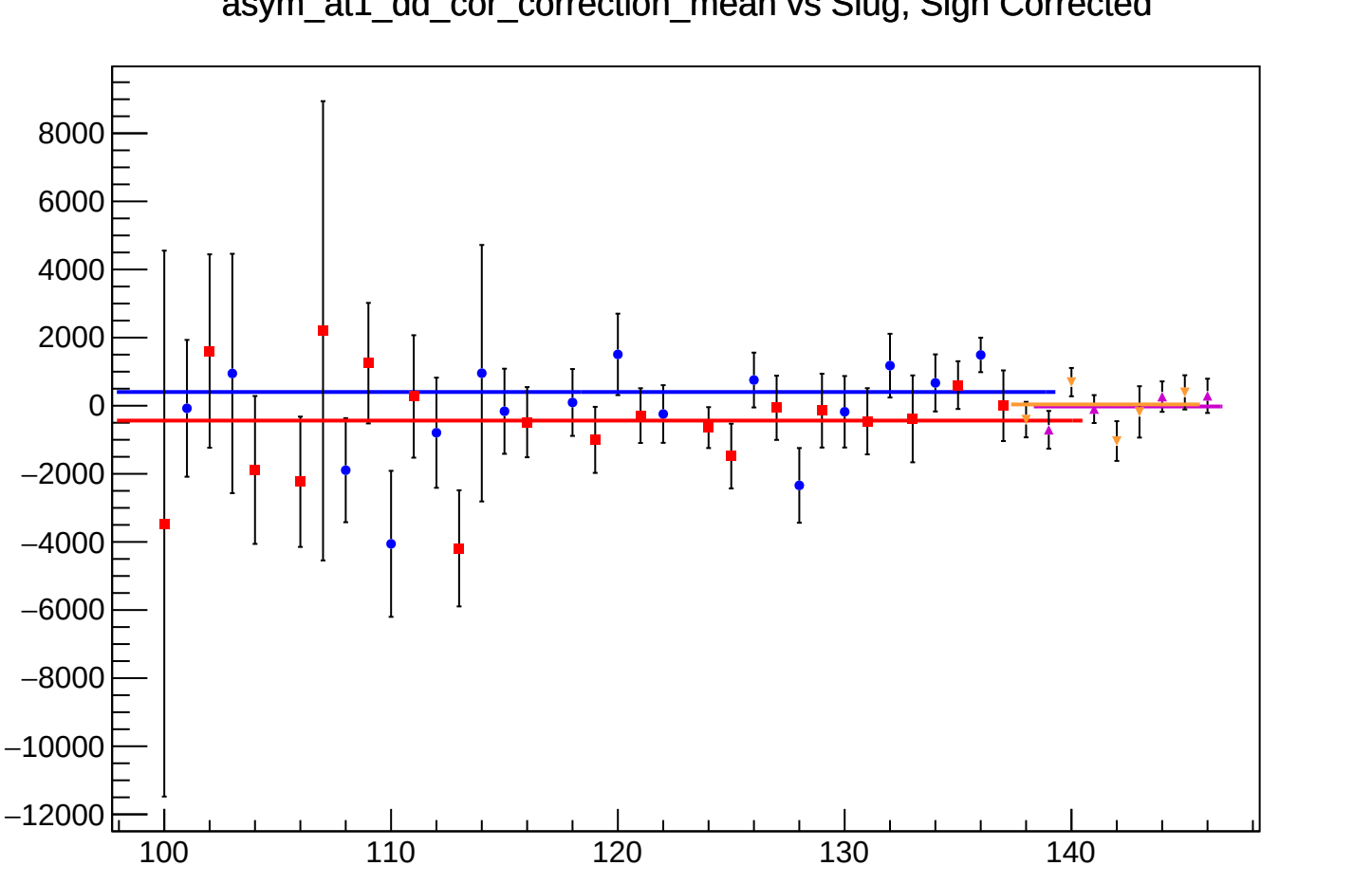
Left: 1824.708+/-0.480 χ^2/NDF: 12188.8/8

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1887.284+/-0.413 χ^2/NDF:662112.0/19

Out: 1923.491+/-0.413 χ^2/NDF:416688.6/23

All: 1905.379+/-0.292 χ^2/NDF: 1082643.5/43



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 37.673+/-234.823 χ^2/NDF:7.2/4

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -21.924+/-234.594 χ^2/NDF:2.4/3

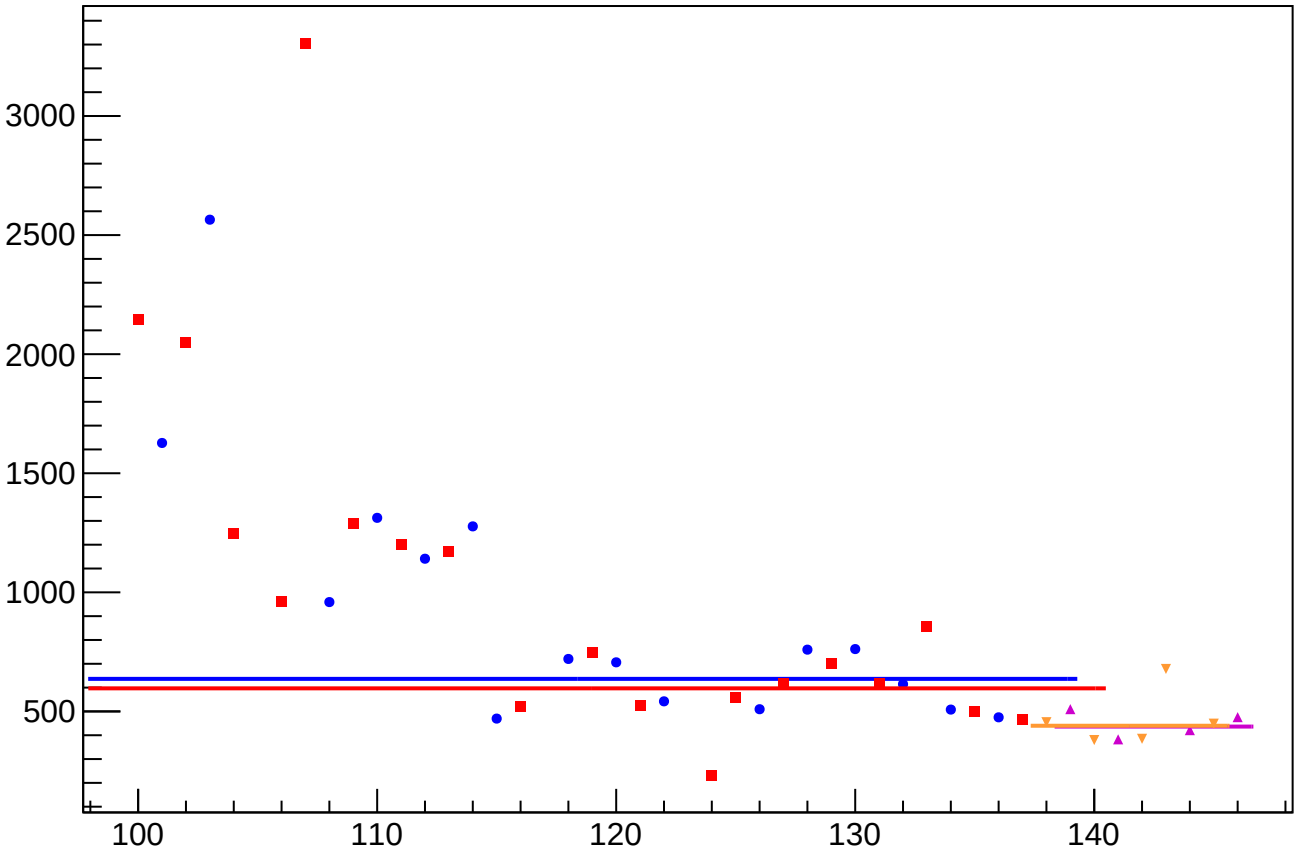
Left: 7.846+/-165.964 χ^2/NDF: 9.6/8

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 169.799+/-173.741 χ^2/NDF:25.0/19

Out: -182.163+/-172.009 χ^2/NDF:21.4/23

All: -7.945+/-122.236 χ^2/NDF: 48.5/43



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 439.857+/-0.166 χ^2/NDF:261674.8/4

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 436.398+/-0.166 χ^2/NDF:83697.7/3

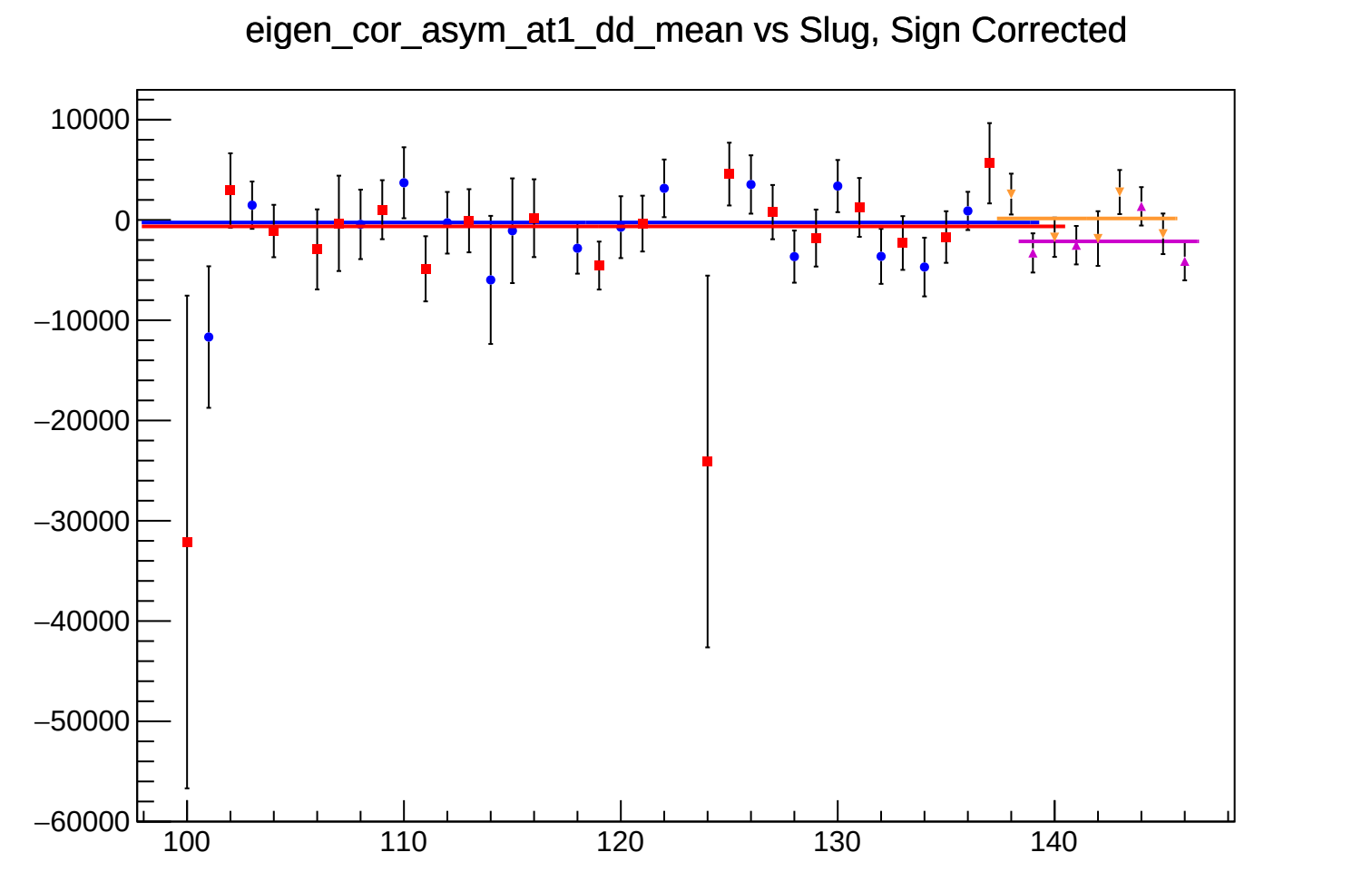
Left: 438.126+/-0.117 χ^2/NDF: 345589.6/8

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 526.836+/-0.123 χ^2/NDF:2808020.6/19

Out: 512.618+/-0.122 χ^2/NDF:3606467.5/23

All: 519.656+/-0.086 χ^2/NDF: 6421251.7/43



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 150.704+/-959.264 χ^2/NDF:4.9/4

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -2136.010+/-961.204 χ^2/NDF:4.8/3

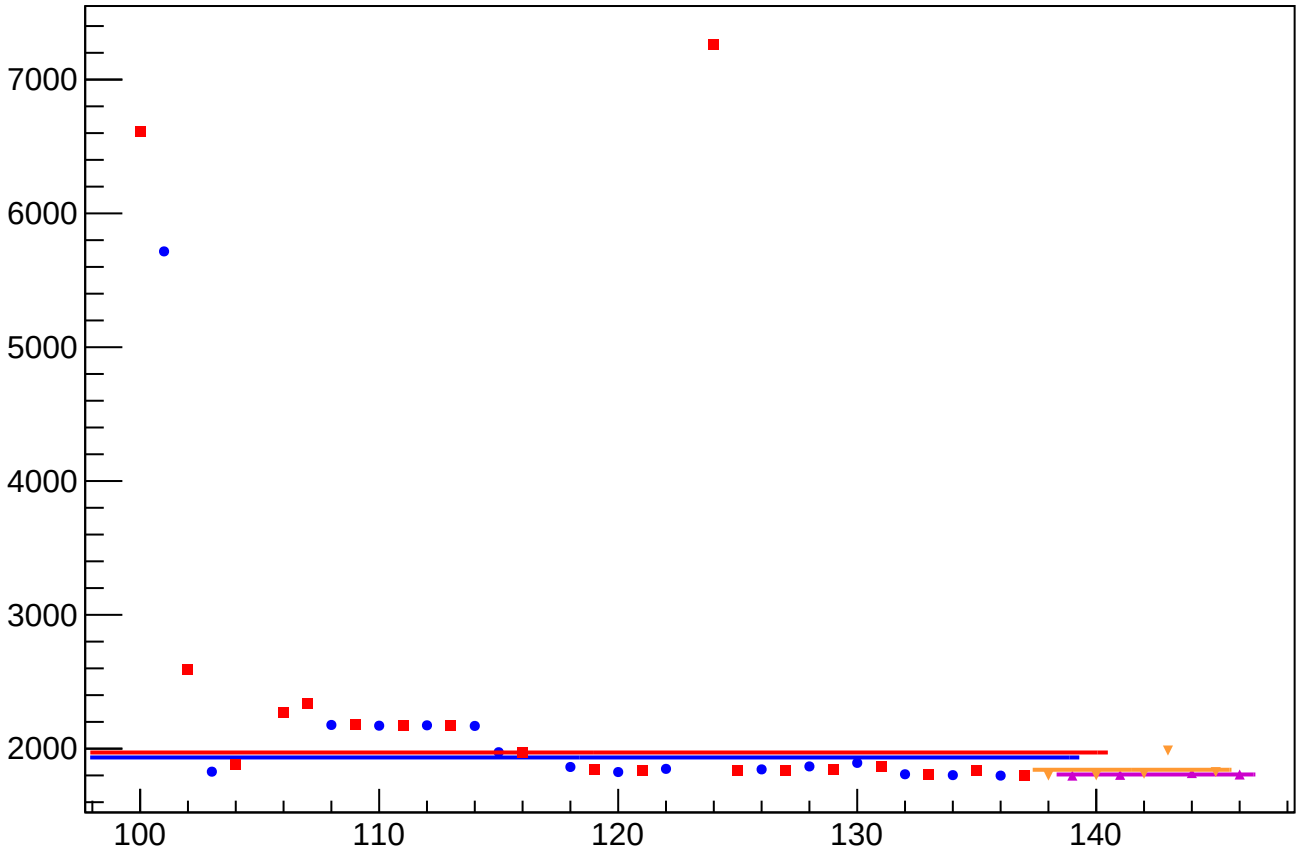
Left: -990.343+/-678.987 χ^2/NDF: 12.5/8

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -946.325+/-583.920 χ^2/NDF:24.5/19

Out: -347.276+/-584.202 χ^2/NDF:21.3/23

All: -646.945+/-412.994 χ^2/NDF: 46.3/43



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1842.301+/-0.678 χ^2/NDF:10738.3/4

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

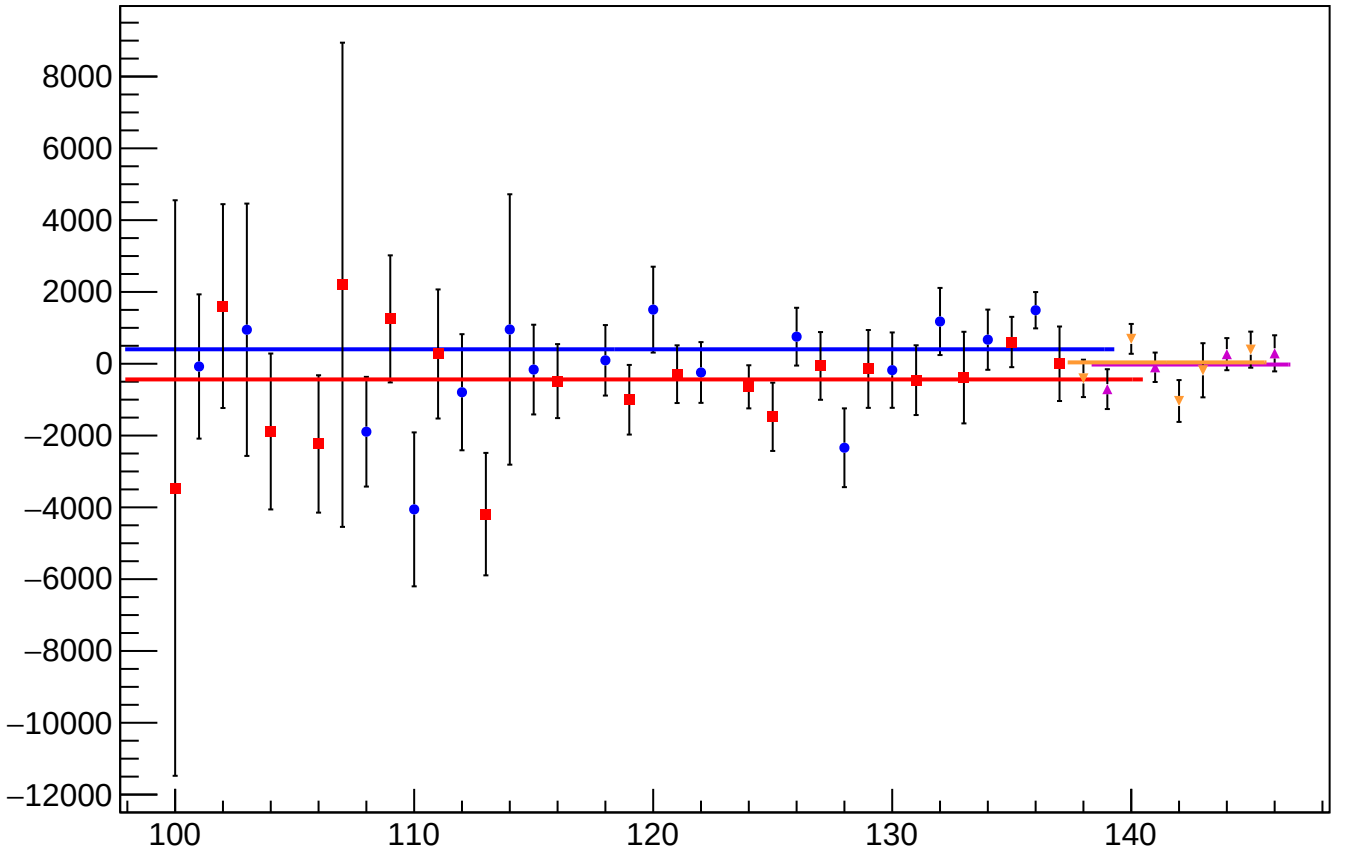
Left: 1824.708+/-0.480 χ^2/NDF: 12188.8/8

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1887.284+/-0.413 χ^2/NDF:662112.0/19

Out: 1923.491+/-0.413 χ^2/NDF:416688.6/23

All: 1905.379+/-0.292 χ^2/NDF: 1082643.5/43



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 37.673+/-234.823 χ^2/NDF:7.2/4

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -21.924+/-234.594 χ^2/NDF:2.4/3

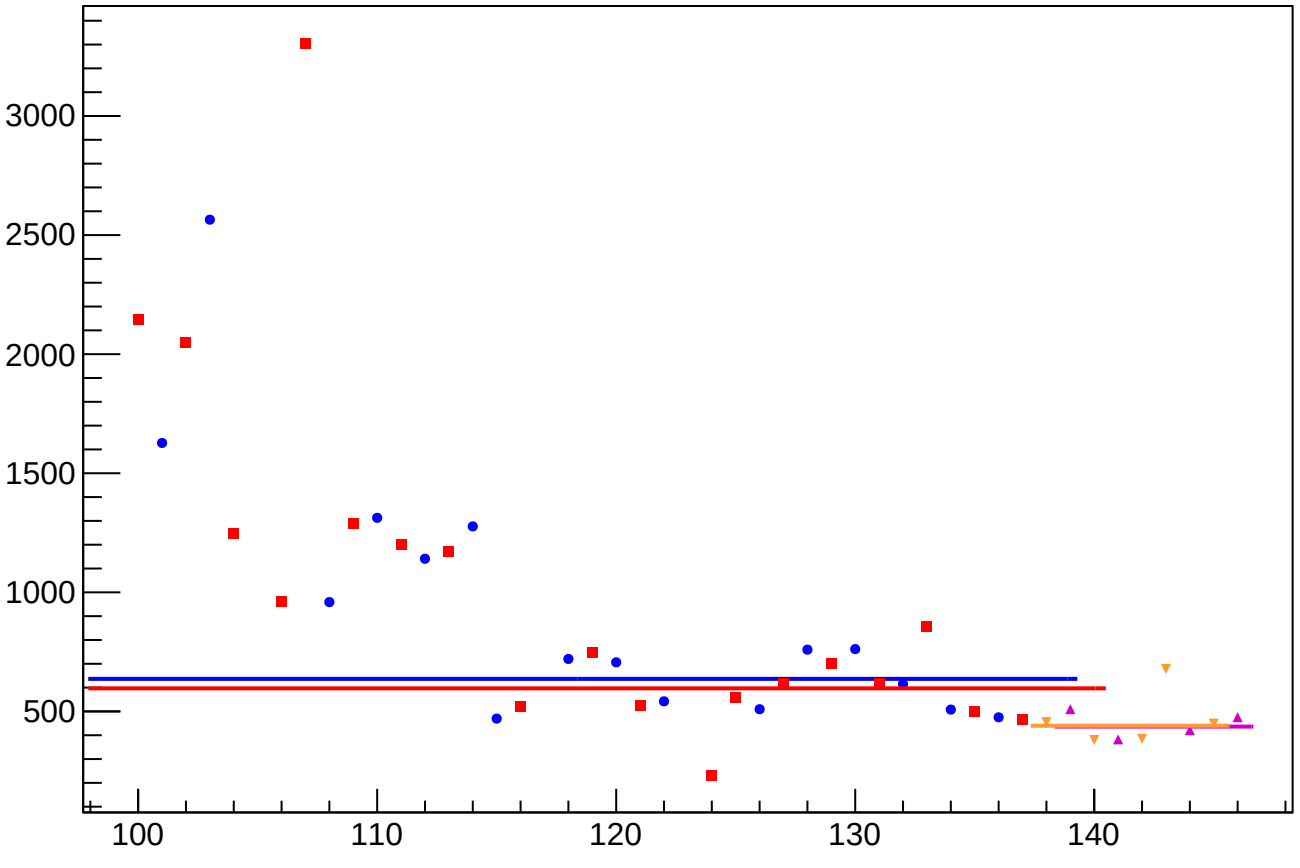
Left: 7.846+/-165.964 χ^2/NDF: 9.6/8

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 169.799+/-173.741 χ^2/NDF:25.0/19

Out: -182.163+/-172.009 χ^2/NDF:21.4/23

All: -7.945+/-122.236 χ^2/NDF: 48.5/43



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 439.857+/-0.166 χ^2/NDF:261674.8/4

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 436.398+/-0.166 χ^2/NDF:83697.7/3

Left: 438.126+/-0.117 χ^2/NDF: 345589.6/8

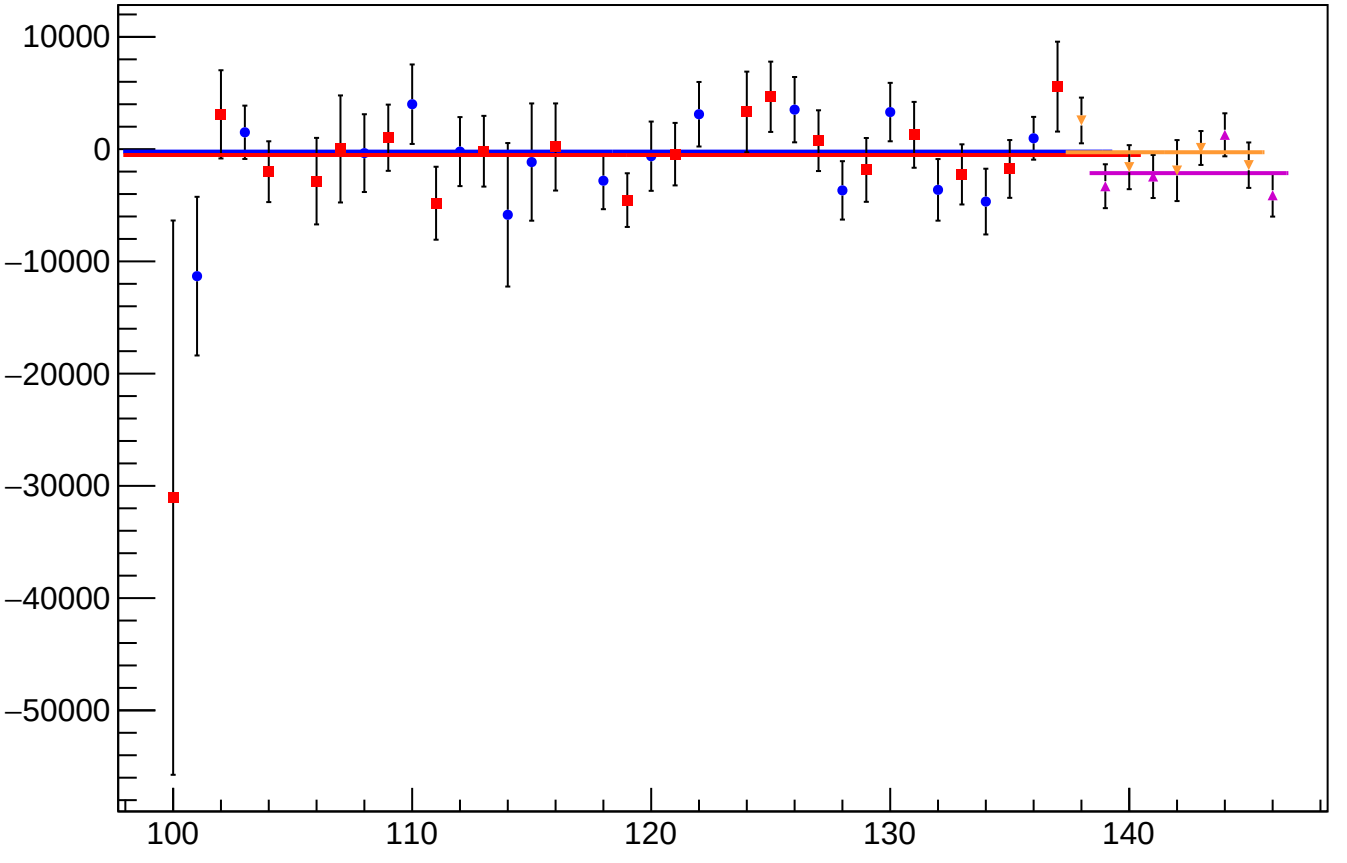
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 526.836+/-0.123 χ^2/NDF:2808020.6/19

Out: 512.618+/-0.122 χ^2/NDF:3606467.5/23

All: 519.656+/-0.086 χ^2/NDF: 6421251.7/43

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -275.515+/-870.733 χ^2/NDF:3.1/4

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -2136.935+/-961.560 χ^2/NDF:4.6/3

Left: -1114.179+/-645.429 χ^2/NDF: 9.8/8

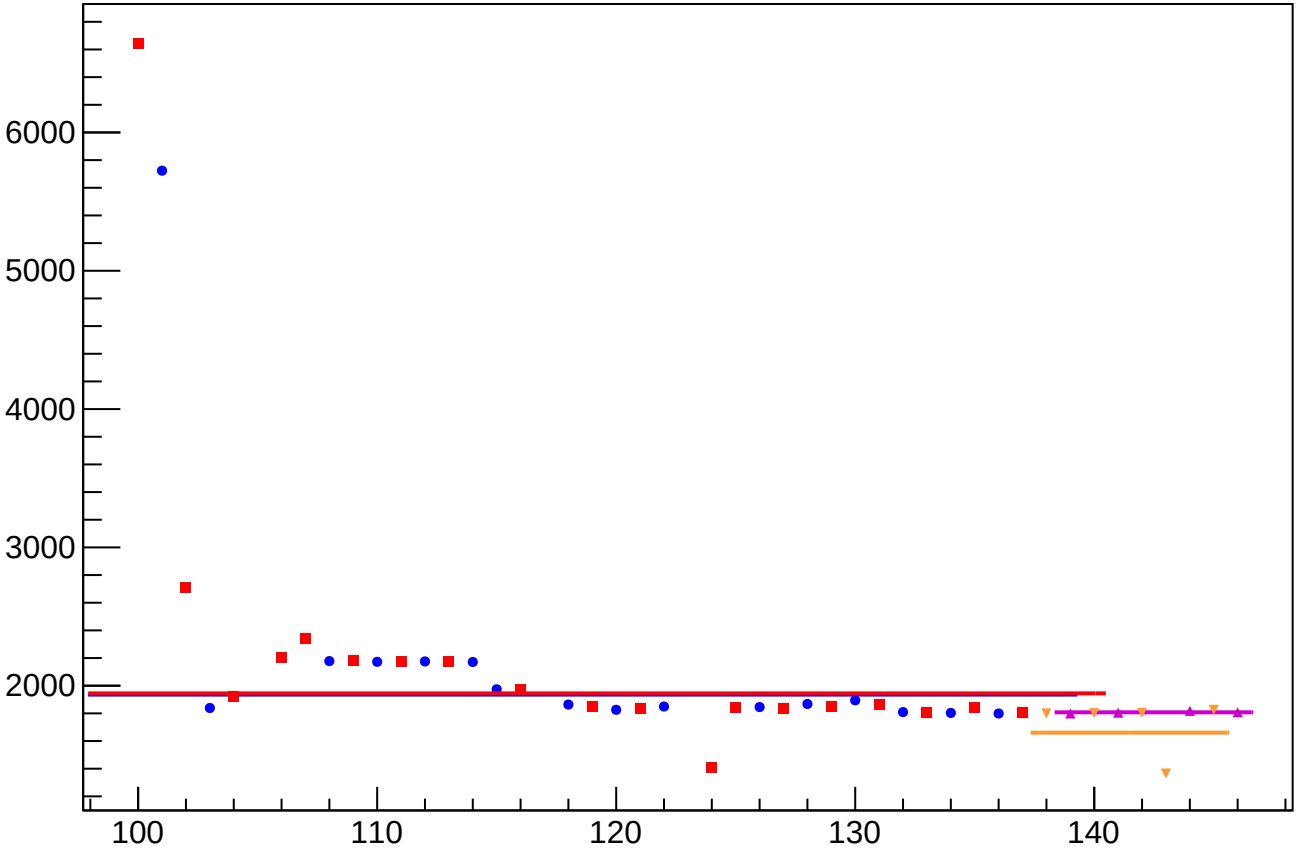
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -928.289+/-584.389 χ^2/NDF:24.2/19

Out: -420.060+/-557.143 χ^2/NDF:18.8/23

All: -662.051+/-403.248 χ^2/NDF: 43.4/43

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1660.248+/-0.616 χ^2/NDF:115372.9/4

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1807.714+/-0.680 χ^2/NDF:102.4/3

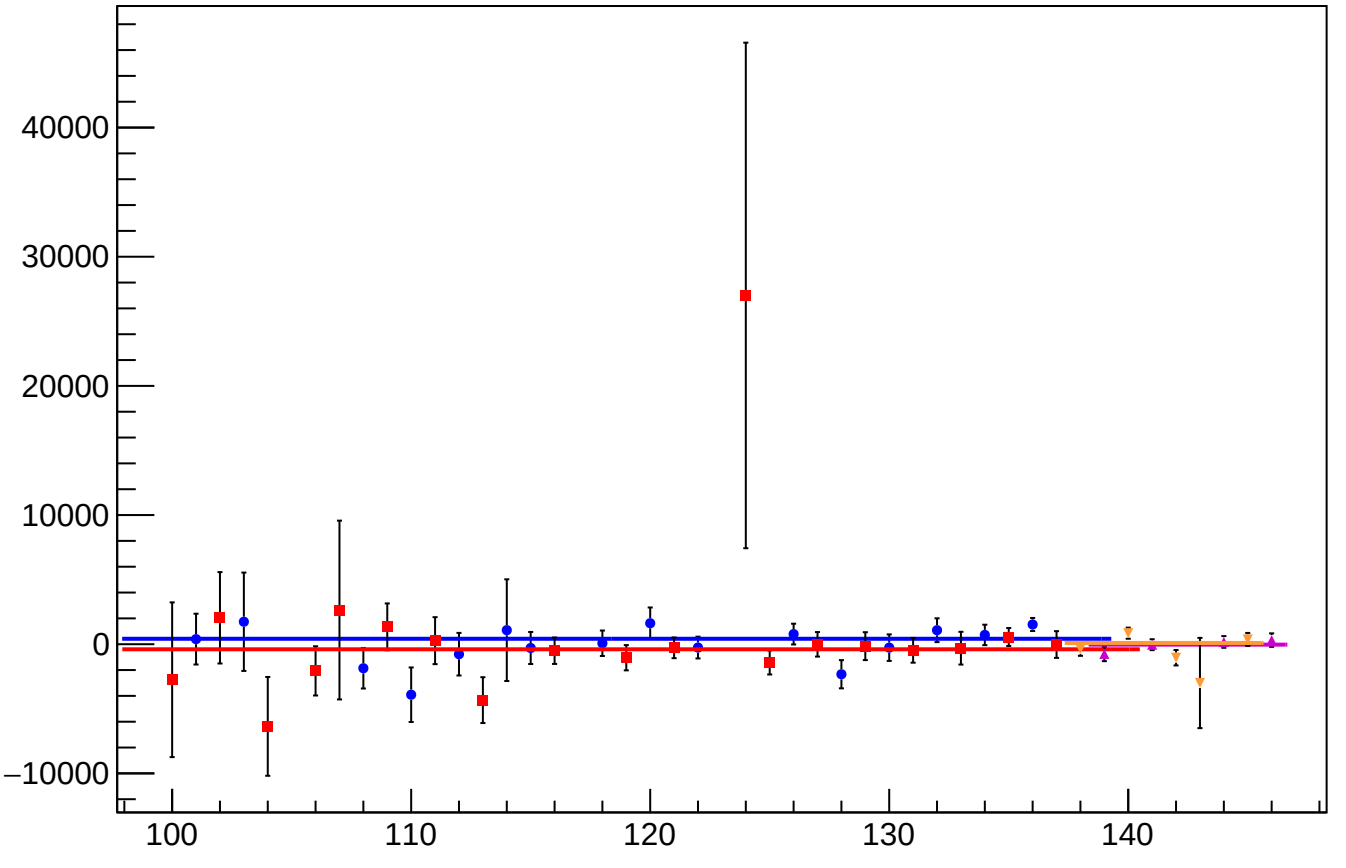
Left: 1726.689+/-0.456 χ^2/NDF: 141321.0/8

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1888.600+/-0.413 χ^2/NDF:662351.5/19

Out: 1828.120+/-0.394 χ^2/NDF:517470.0/23

All: 1856.917+/-0.285 χ^2/NDF: 1191043.2/43



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 97.236+/-250.597 χ^2/NDF:8.7/4

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -32.300+/-240.144 χ^2/NDF:2.3/3

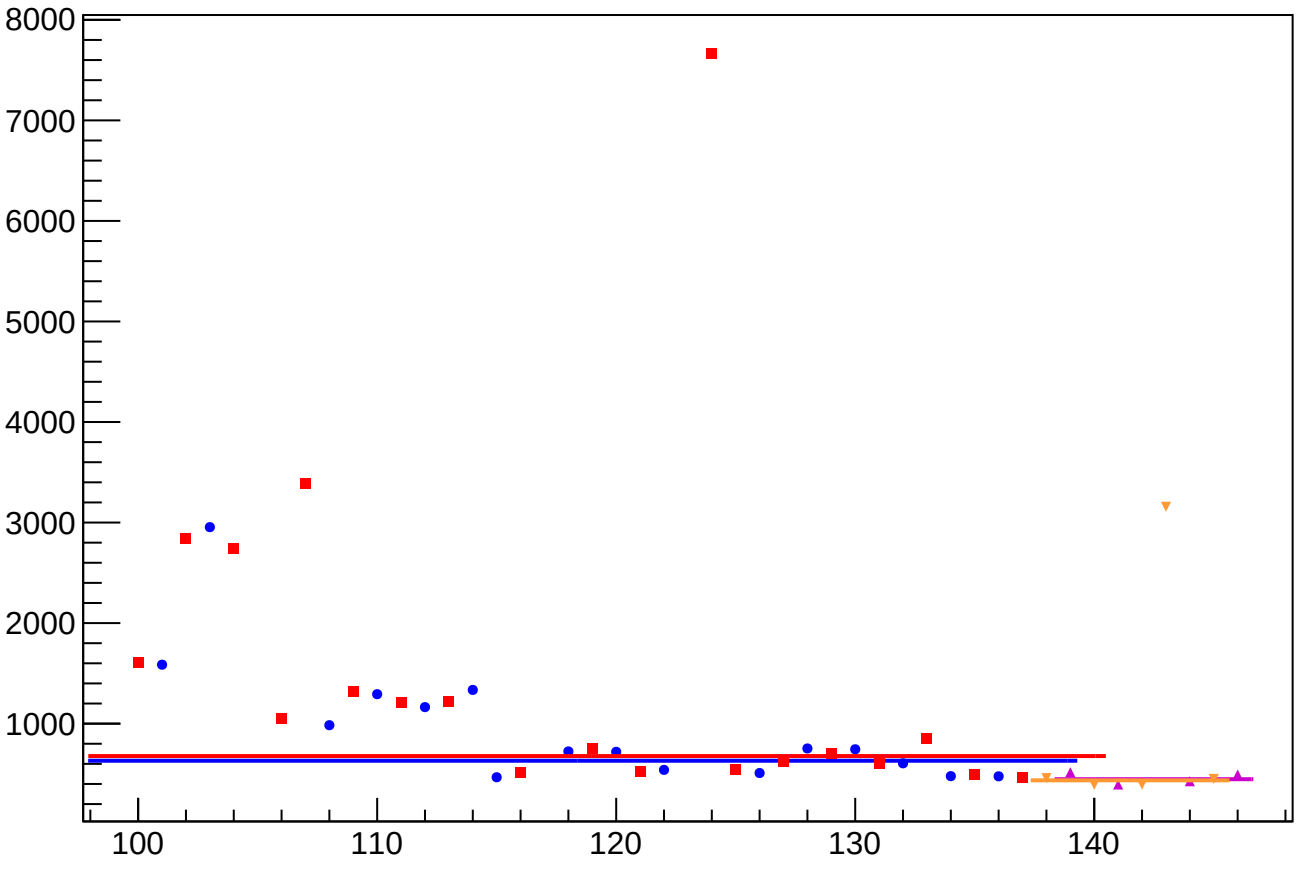
Left: 29.710+/-173.385 χ^2/NDF: 11.1/8

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 179.286+/-175.384 χ^2/NDF:25.4/19

Out: -121.441+/-186.602 χ^2/NDF:26.2/23

All: 38.233+/-127.797 χ^2/NDF: 53.1/43



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 436.053+/-0.177 χ^2/NDF:1248858.7/4

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 447.265+/-0.170 χ^2/NDF:81710.0/3

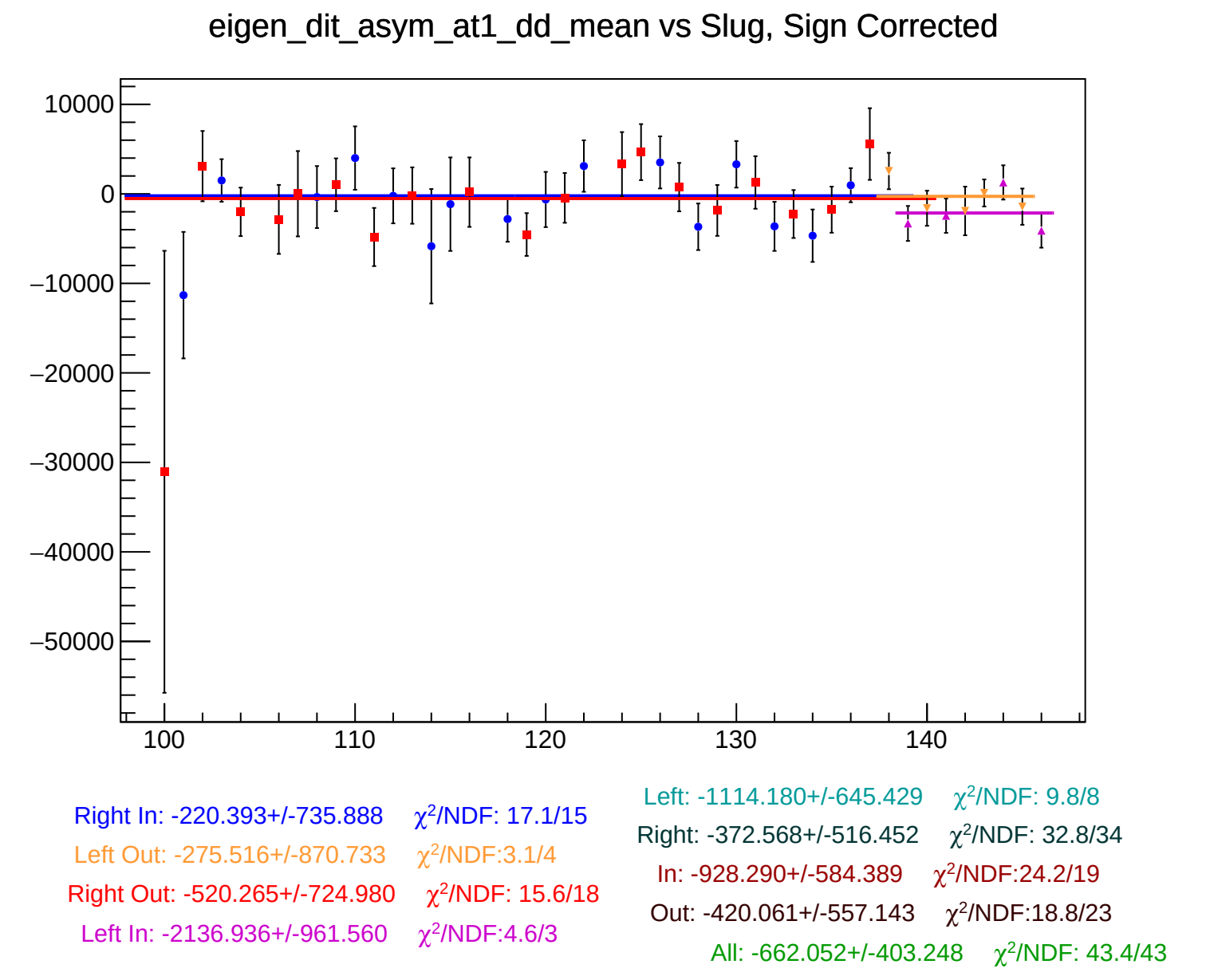
Left: 441.898+/-0.123 χ^2/NDF: 1332655.4/8

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

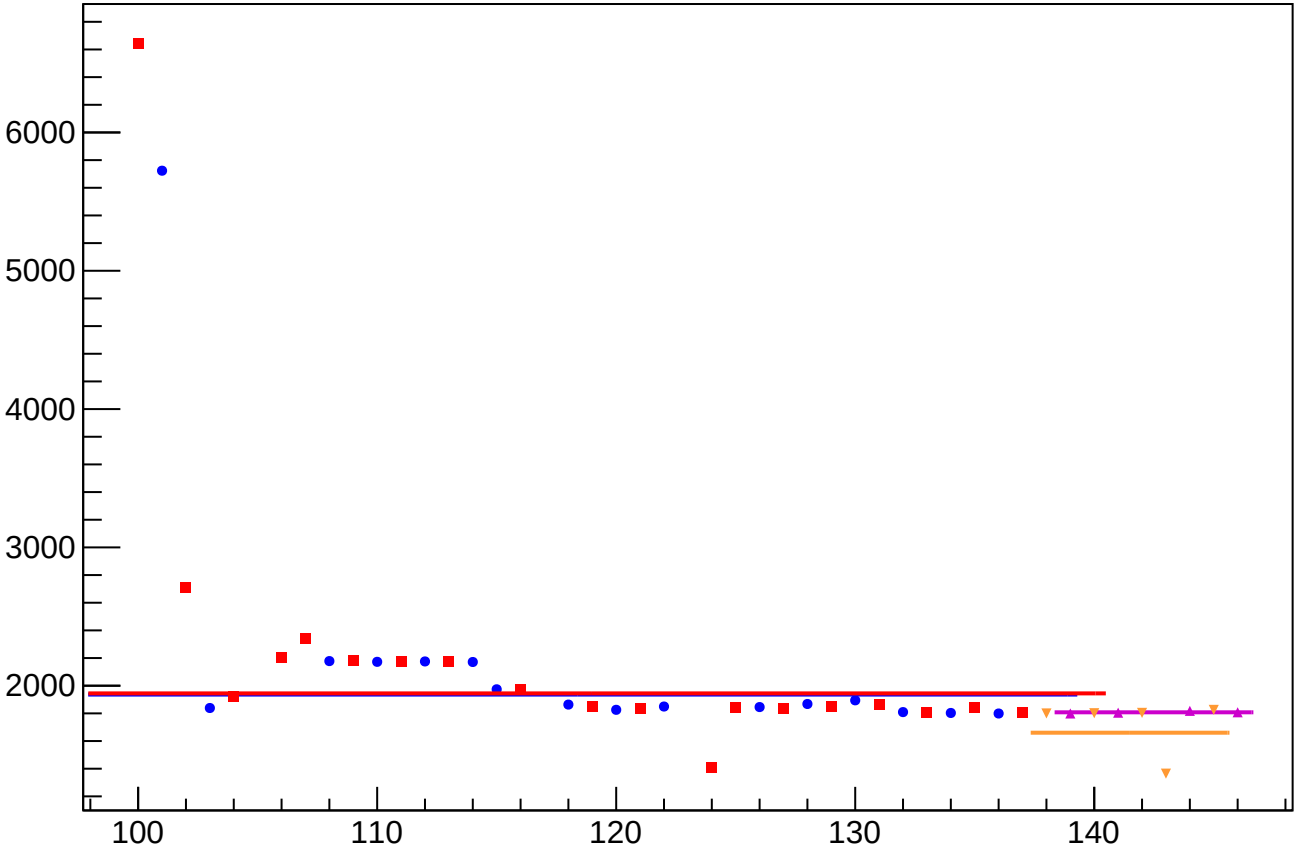
In: 533.064+/-0.124 χ^2/NDF:2863326.1/19

Out: 543.597+/-0.132 χ^2/NDF:5157170.9/23

All: 538.004+/-0.090 χ^2/NDF: 8023880.2/43


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -275.516+/-870.733 χ²/NDF:3.1/4
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -2136.936+/-961.560 χ²/NDF:4.6/3
Left: -1114.180+/-645.429 χ²/NDF: 9.8/8
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -928.290+/-584.389 χ²/NDF:24.2/19
Out: -420.061+/-557.143 χ²/NDF:18.8/23
All: -662.052+/-403.248 χ²/NDF: 43.4/43

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1660.248+/-0.616 χ^2/NDF:115372.9/4

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1807.714+/-0.680 χ^2/NDF:102.4/3

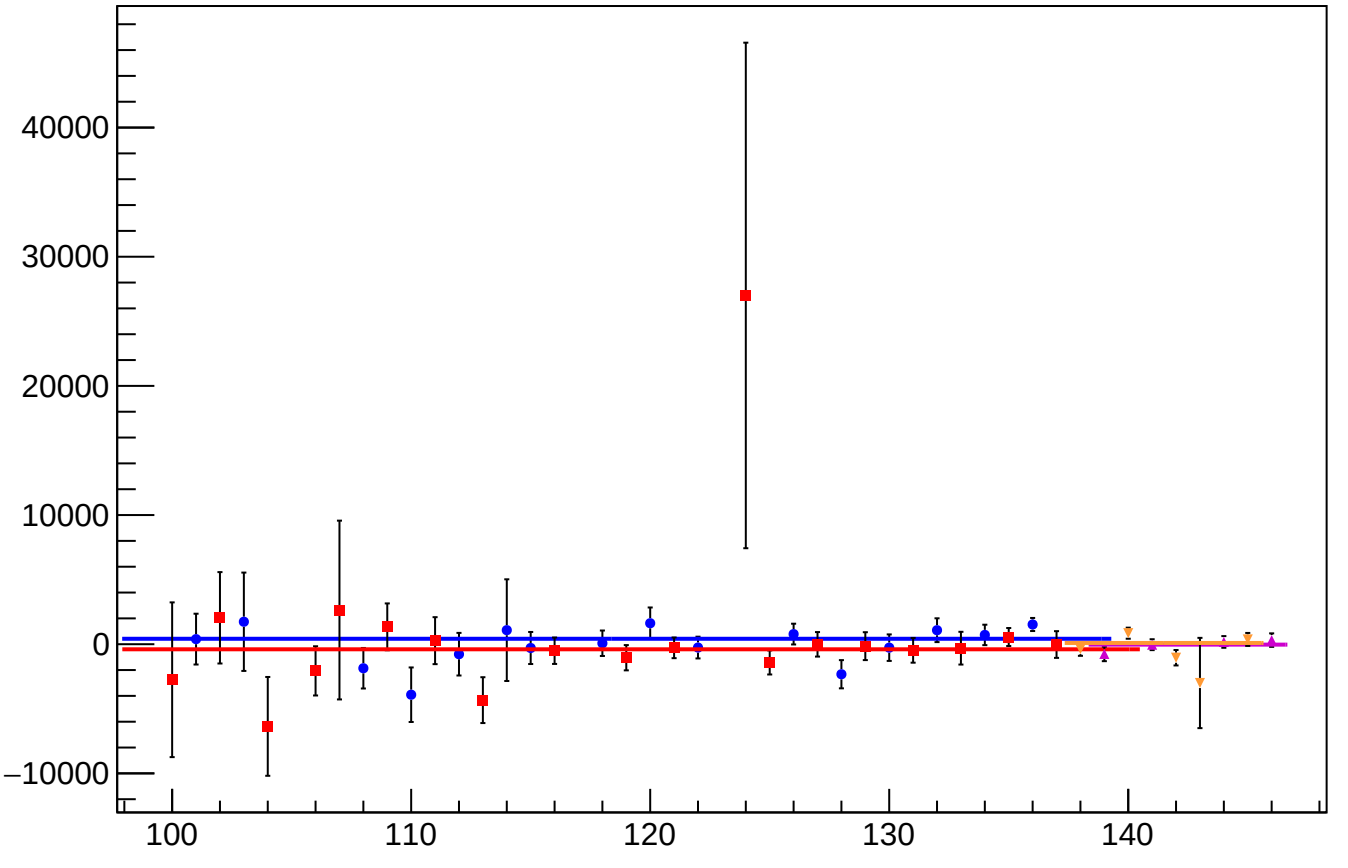
Left: 1726.689+/-0.456 χ^2/NDF: 141321.0/8

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1888.600+/-0.413 χ^2/NDF:662351.5/19

Out: 1828.120+/-0.394 χ^2/NDF:517469.8/23

All: 1856.917+/-0.285 χ^2/NDF: 1191043.0/43



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 97.239+/-250.596 χ^2/NDF:8.7/4

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -32.301+/-240.144 χ^2/NDF:2.3/3

Left: 29.711+/-173.385 χ^2/NDF: 11.1/8

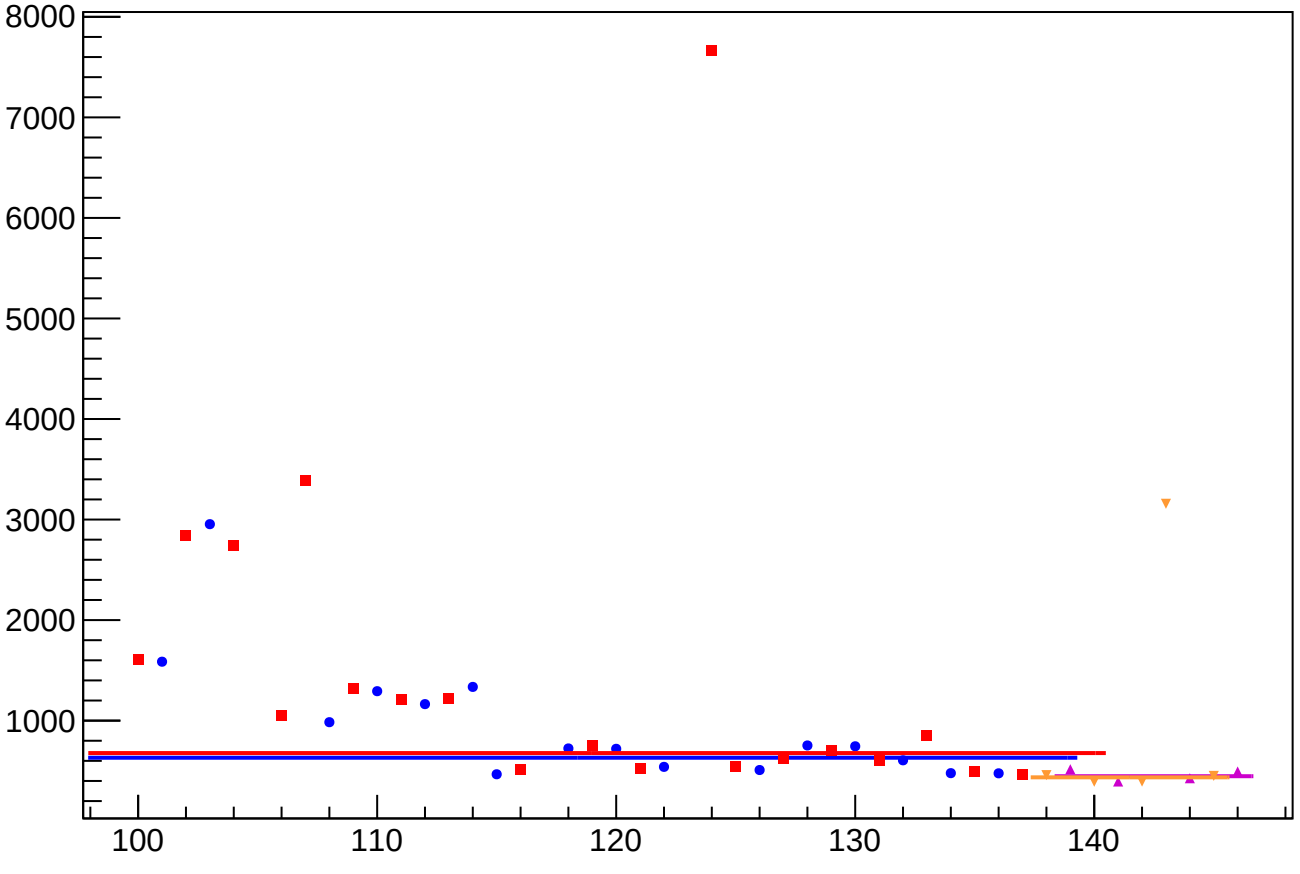
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 179.285+/-175.384 χ^2/NDF:25.4/19

Out: -121.439+/-186.602 χ^2/NDF:26.2/23

All: 38.233+/-127.797 χ^2/NDF: 53.1/43

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: 436.052+/-0.177 χ^2/NDF:1248857.1/4

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 447.264+/-0.170 χ^2/NDF:81710.4/3

Left: 441.897+/-0.123 χ^2/NDF: 1332654.6/8

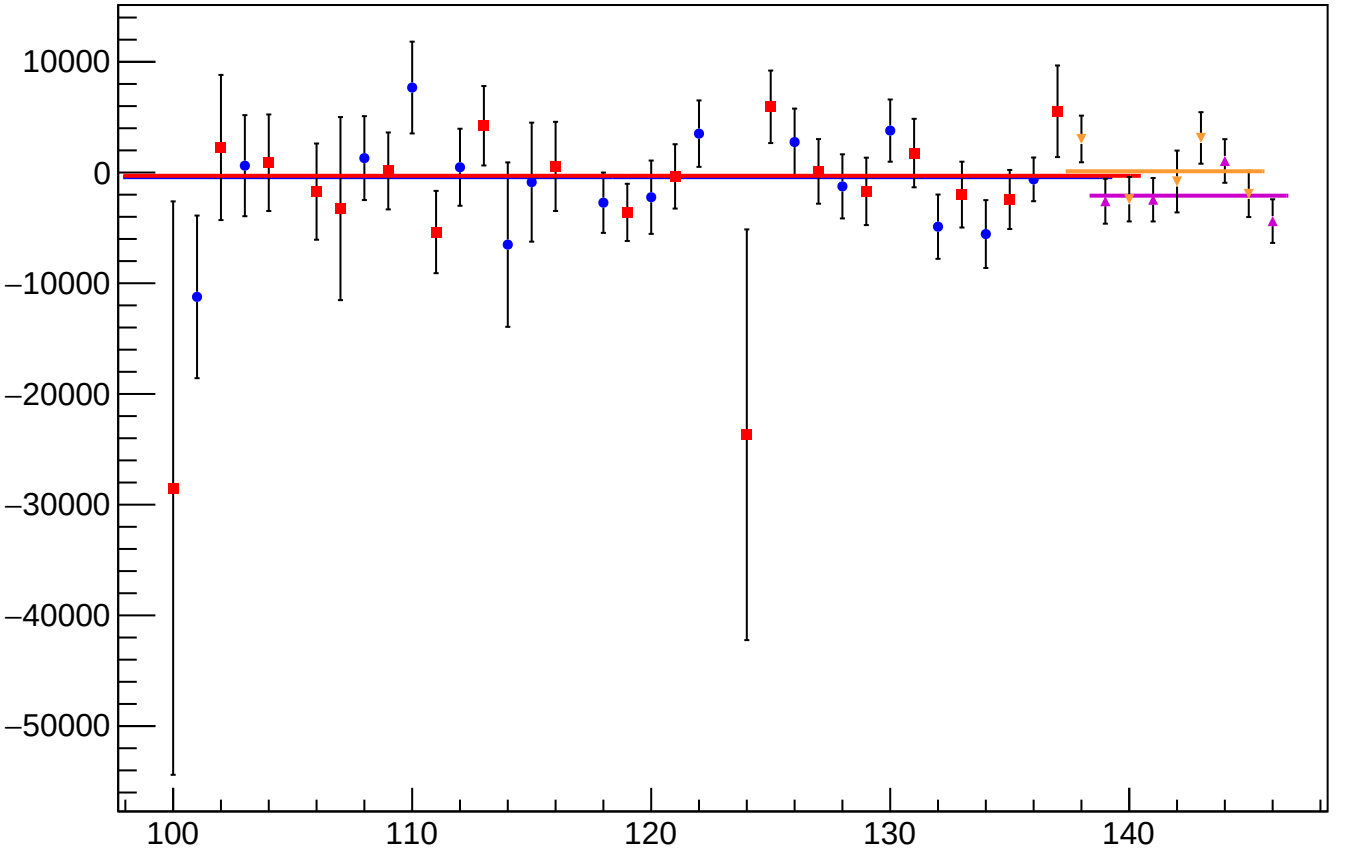
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 533.064+/-0.124 χ^2/NDF:2863328.5/19

Out: 543.596+/-0.132 χ^2/NDF:5157180.1/23

All: 538.004+/-0.090 χ^2/NDF: 8023891.4/43

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: 113.037+/-992.425 χ^2/NDF:6.2/4

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -2089.757+/-991.620 χ^2/NDF:4.0/3

Left: -989.254+/-701.466 χ^2/NDF: 12.7/8

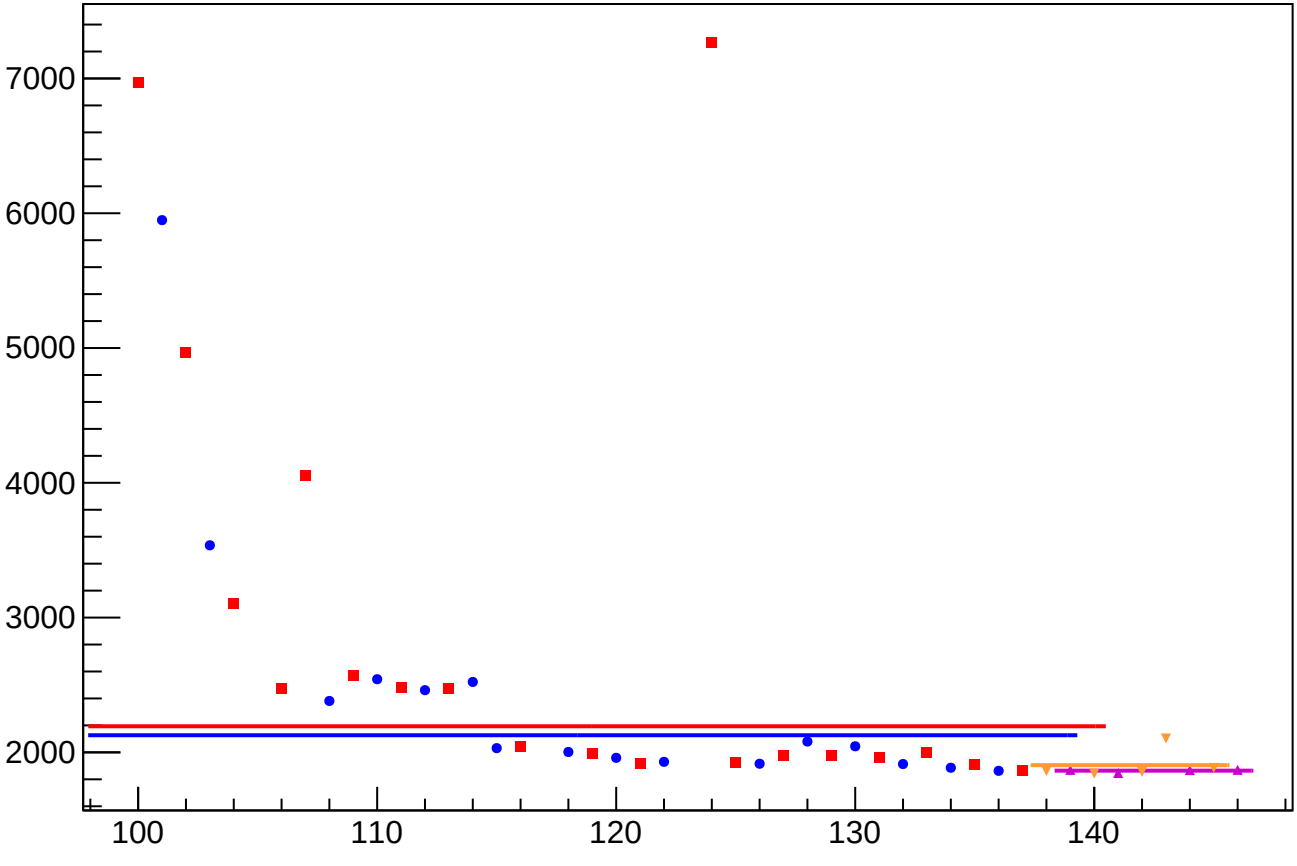
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -1092.154+/-629.800 χ^2/NDF:24.0/19

Out: -126.400+/-637.408 χ^2/NDF:22.0/23

All: -615.075+/-448.002 χ^2/NDF: 47.2/43

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1904.997+/-0.702 χ^2/NDF:18084.6/4

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1864.188+/-0.701 χ^2/NDF:199.5/3

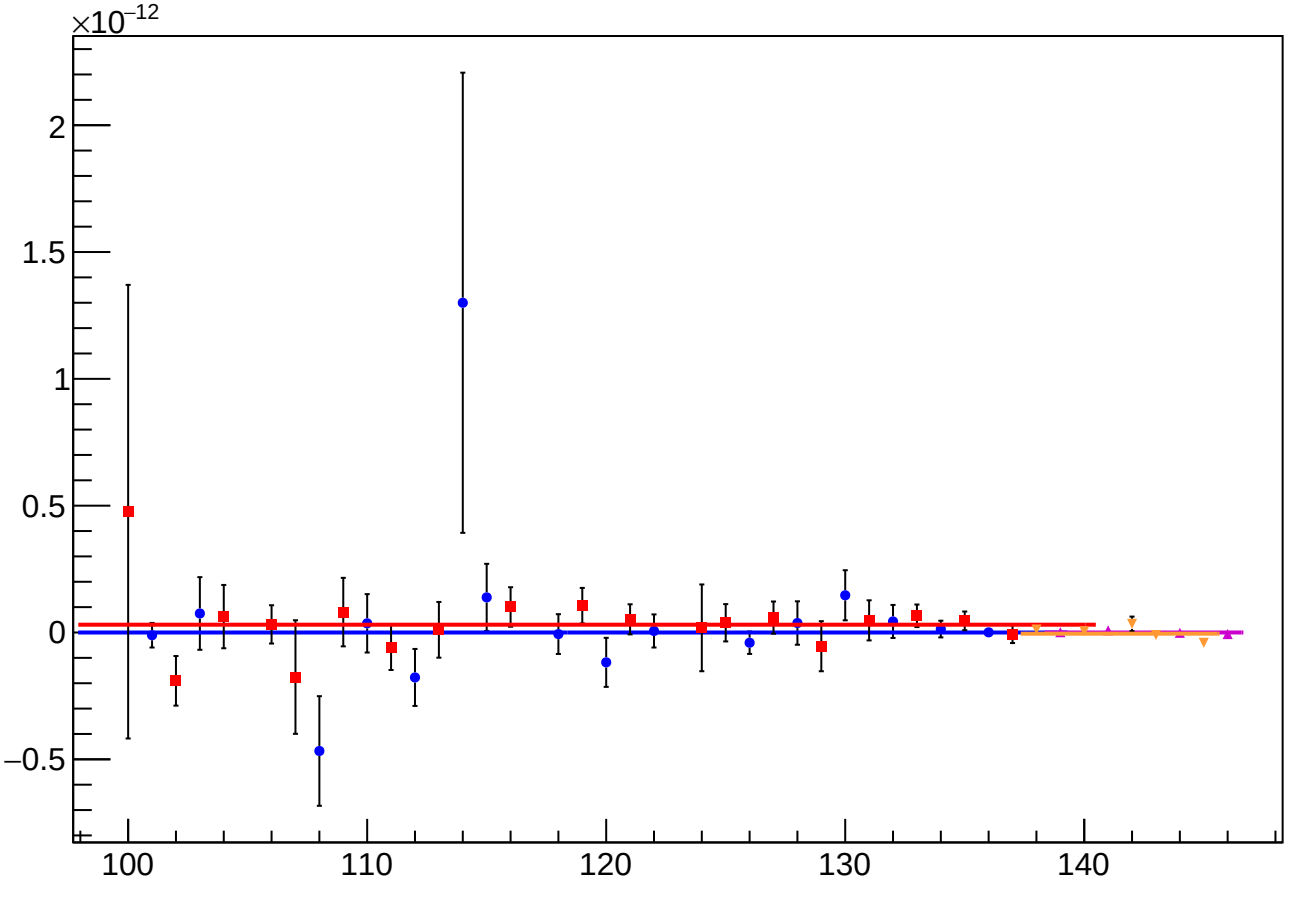
Left: 1884.576+/-0.496 χ^2/NDF: 19976.3/8

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 2021.011+/-0.445 χ^2/NDF:959119.8/19

Out: 2074.523+/-0.451 χ^2/NDF:1060003.4/23

All: 2047.446+/-0.317 χ^2/NDF: 2026255.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

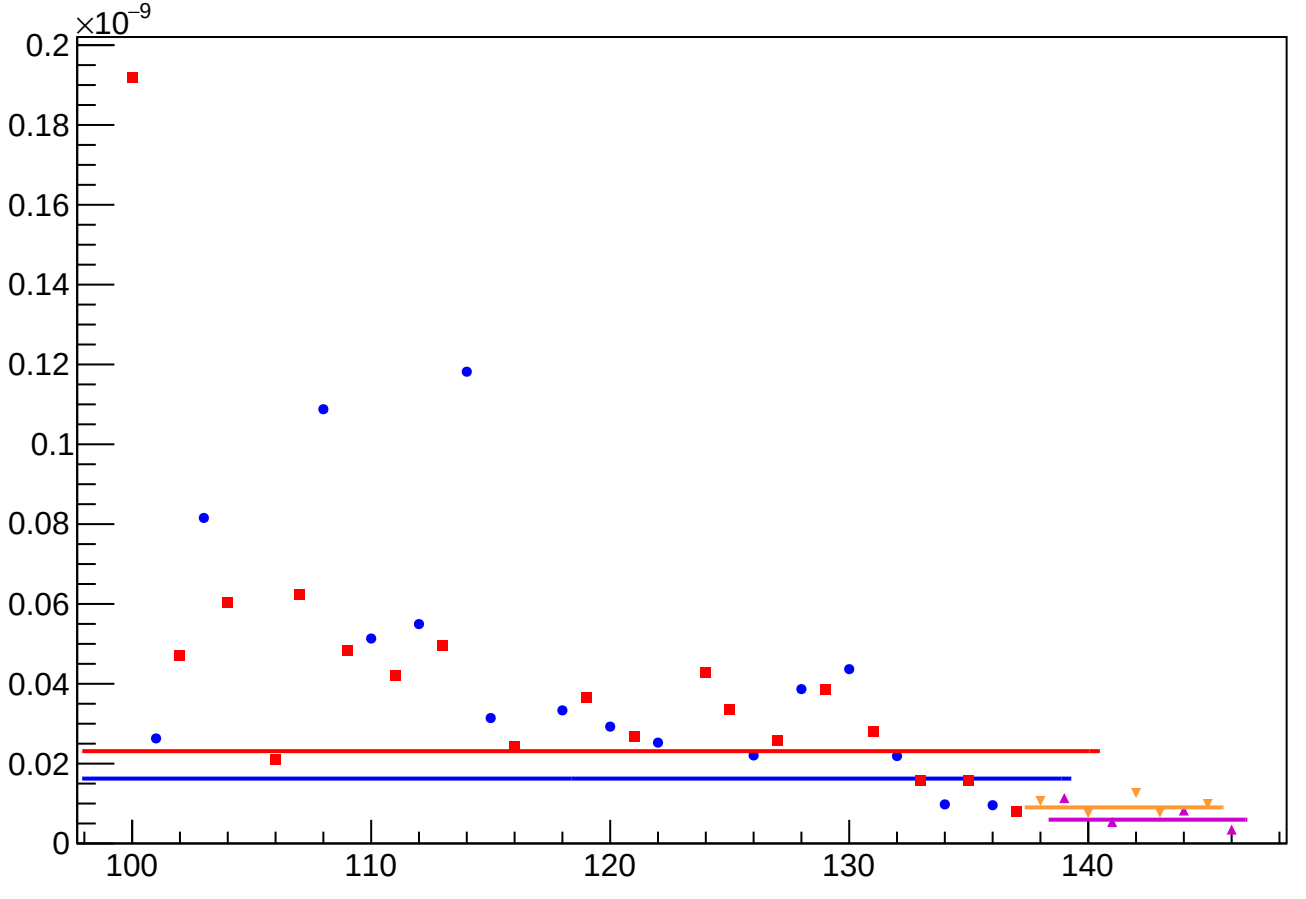
Left: -0.000+/-0.000 χ^2/NDF: 9.5/8

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.0/19

Out: 0.000+/-0.000 χ^2/NDF:24.9/23

All: 0.000+/-0.000 χ^2/NDF: 42.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:91817.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:368535.8/3

Left: 0.000+/-0.000 χ^2/NDF: 661404.5/8

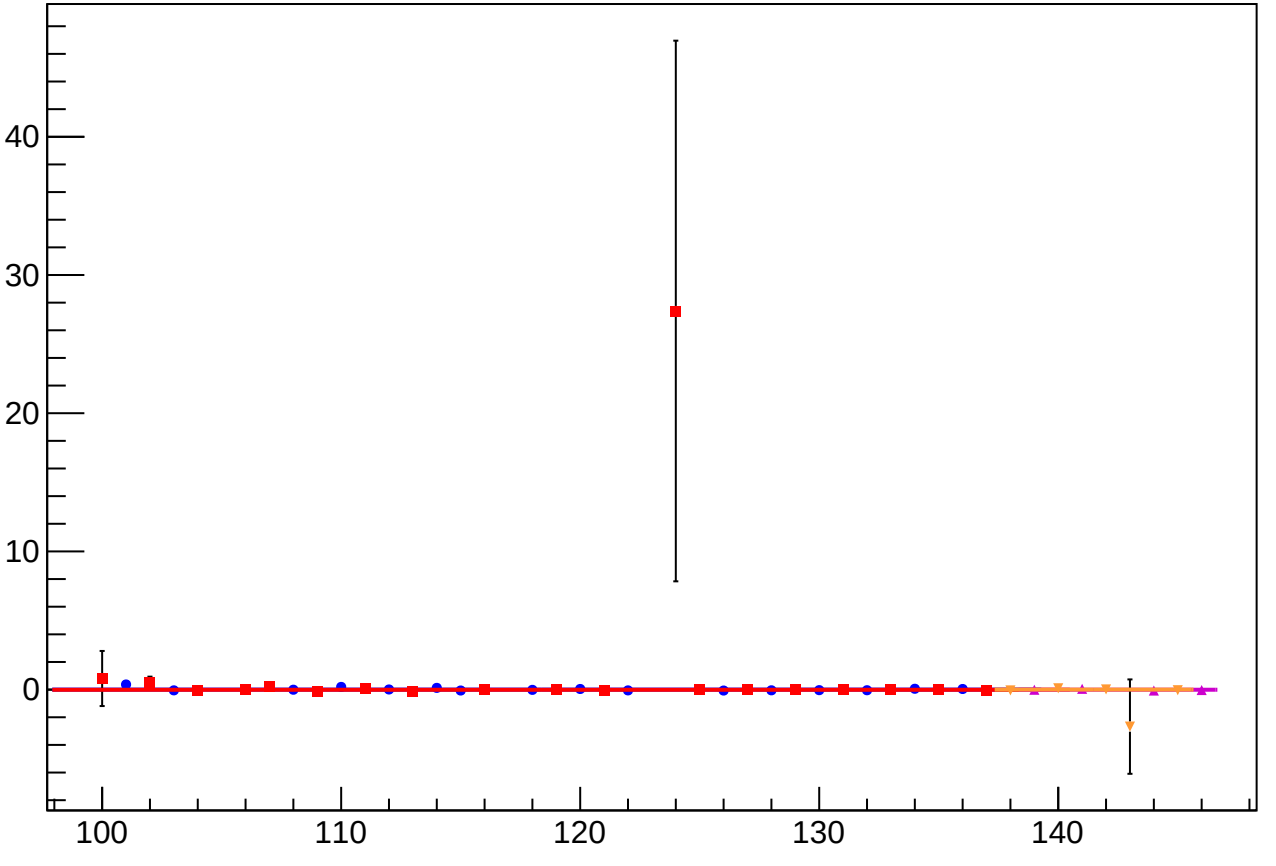
Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:3844334.5/19

Out: 0.000+/-0.000 χ^2/NDF:2811920.1/23

All: 0.000+/-0.000 χ^2/NDF: 6982463.2/43

asym_at1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.003+/-0.022 χ^2/NDF:9.8/4

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.020 χ^2/NDF:5.8/3

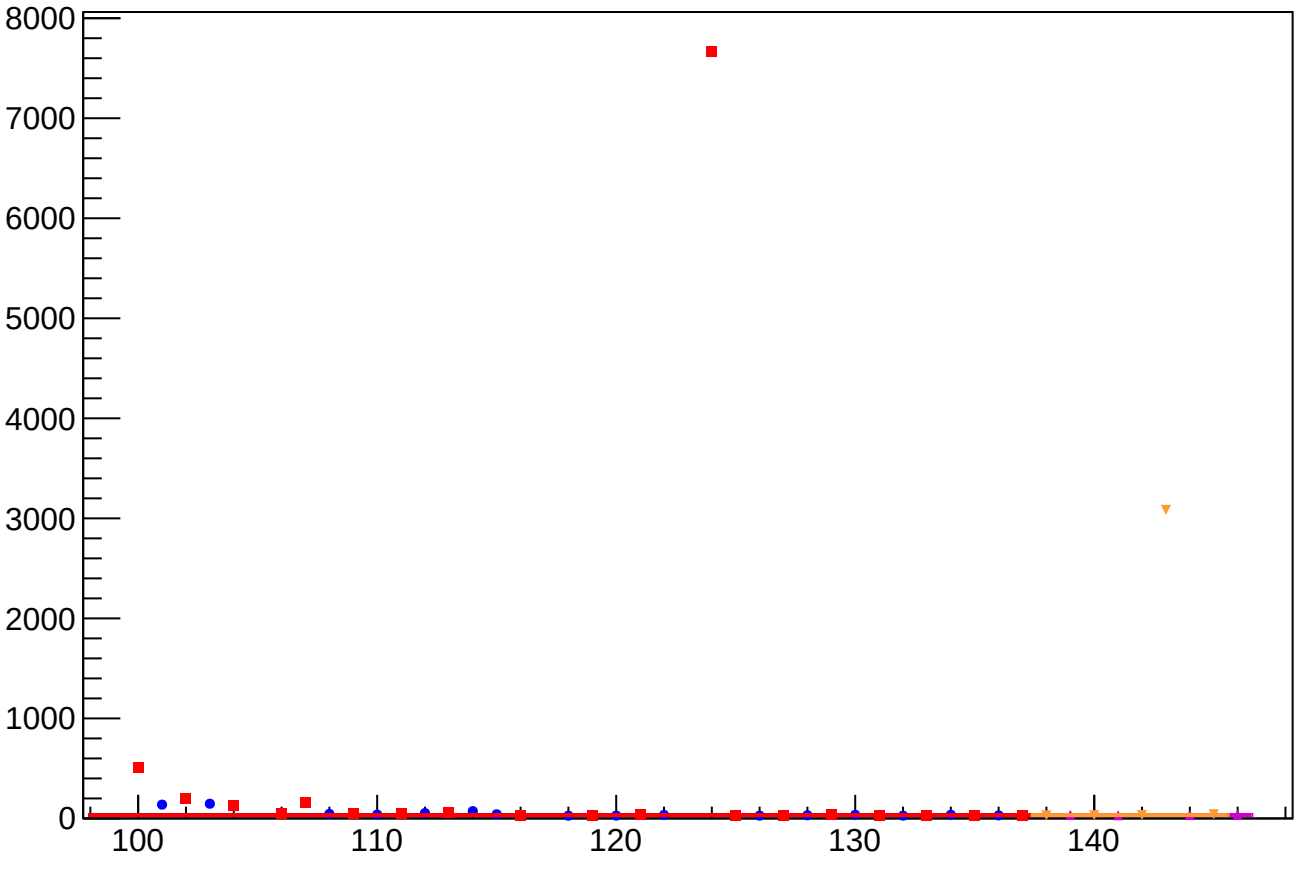
Left: -0.003+/-0.015 χ^2/NDF: 15.7/8

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.012 χ^2/NDF:27.0/19

Out: -0.007+/-0.012 χ^2/NDF:24.3/23

All: -0.004+/-0.009 χ^2/NDF: 51.4/43



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 33.830+/-0.015 χ^2/NDF:1675512.8/4

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.735+/-0.014 χ^2/NDF:18687.3/3

Left: 34.316+/-0.010 χ^2/NDF: 1696092.8/8

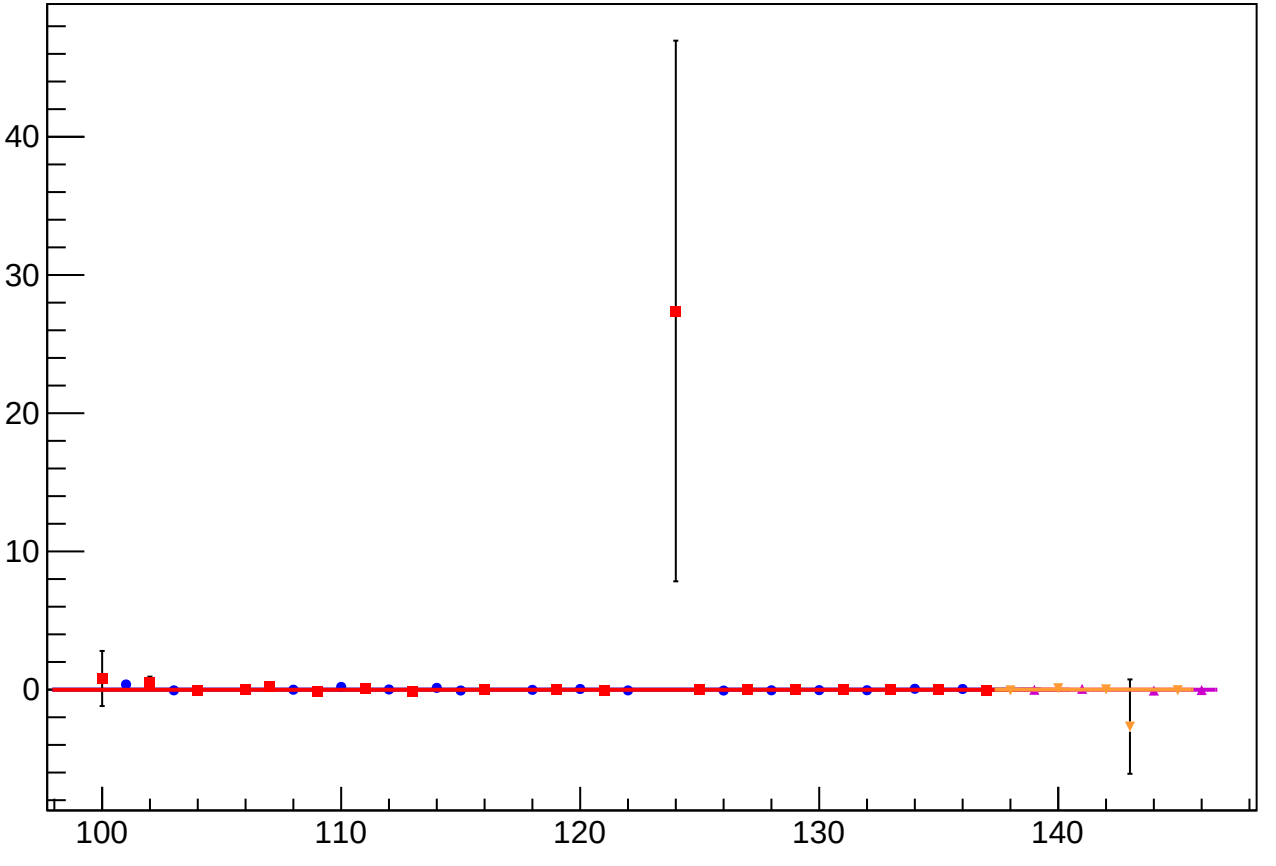
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.295+/-0.008 χ^2/NDF:1737448.2/19

Out: 33.324+/-0.009 χ^2/NDF:3752260.3/23

All: 33.824+/-0.006 χ^2/NDF: 5496192.4/43

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.003+/-0.022 χ^2/NDF:9.8/4

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.020 χ^2/NDF:5.8/3

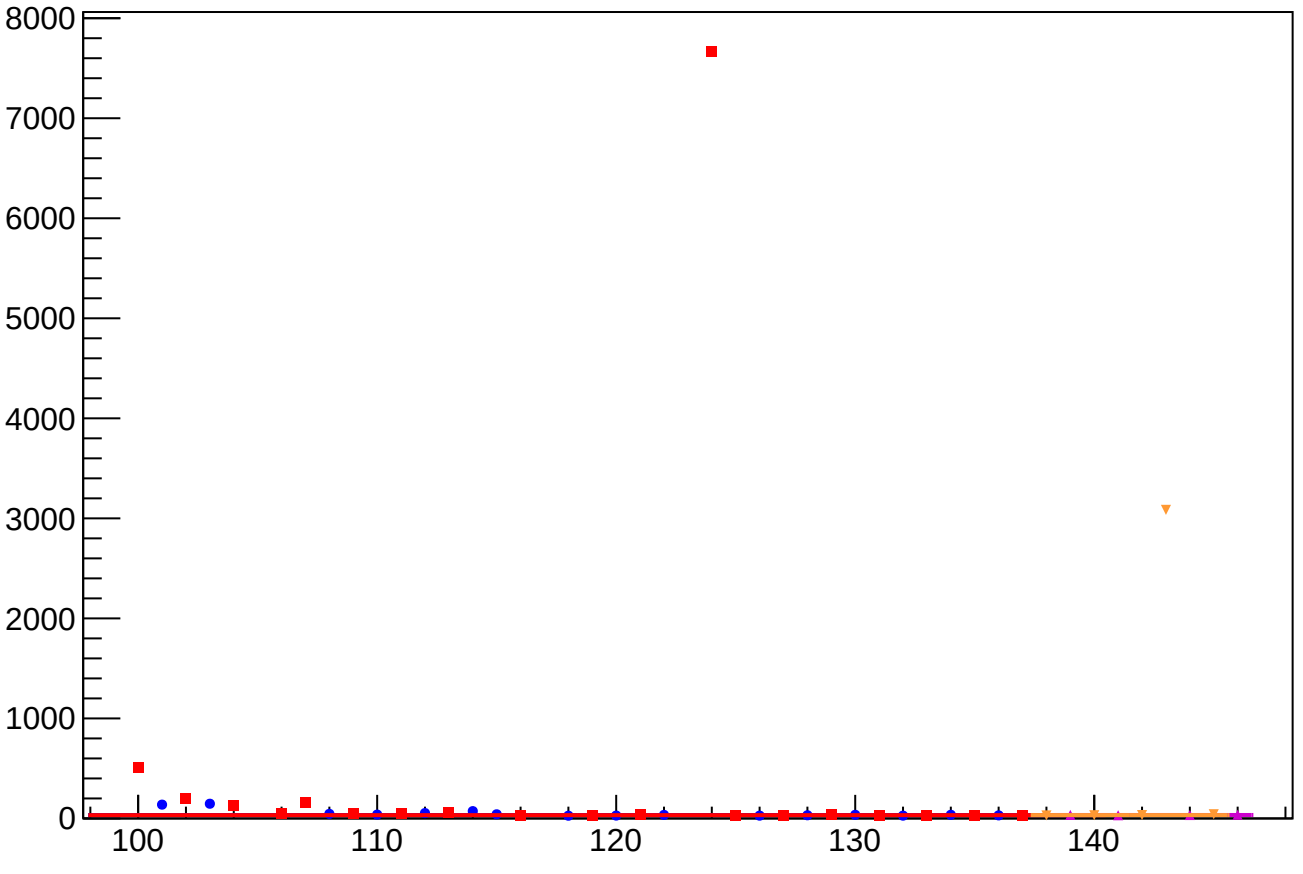
Left: -0.003+/-0.015 χ^2/NDF: 15.7/8

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.012 χ^2/NDF:27.0/19

Out: -0.007+/-0.012 χ^2/NDF:24.3/23

All: -0.004+/-0.009 χ^2/NDF: 51.4/43



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 33.830+/-0.015 χ^2/NDF:1675512.8/4

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.735+/-0.014 χ^2/NDF:18687.3/3

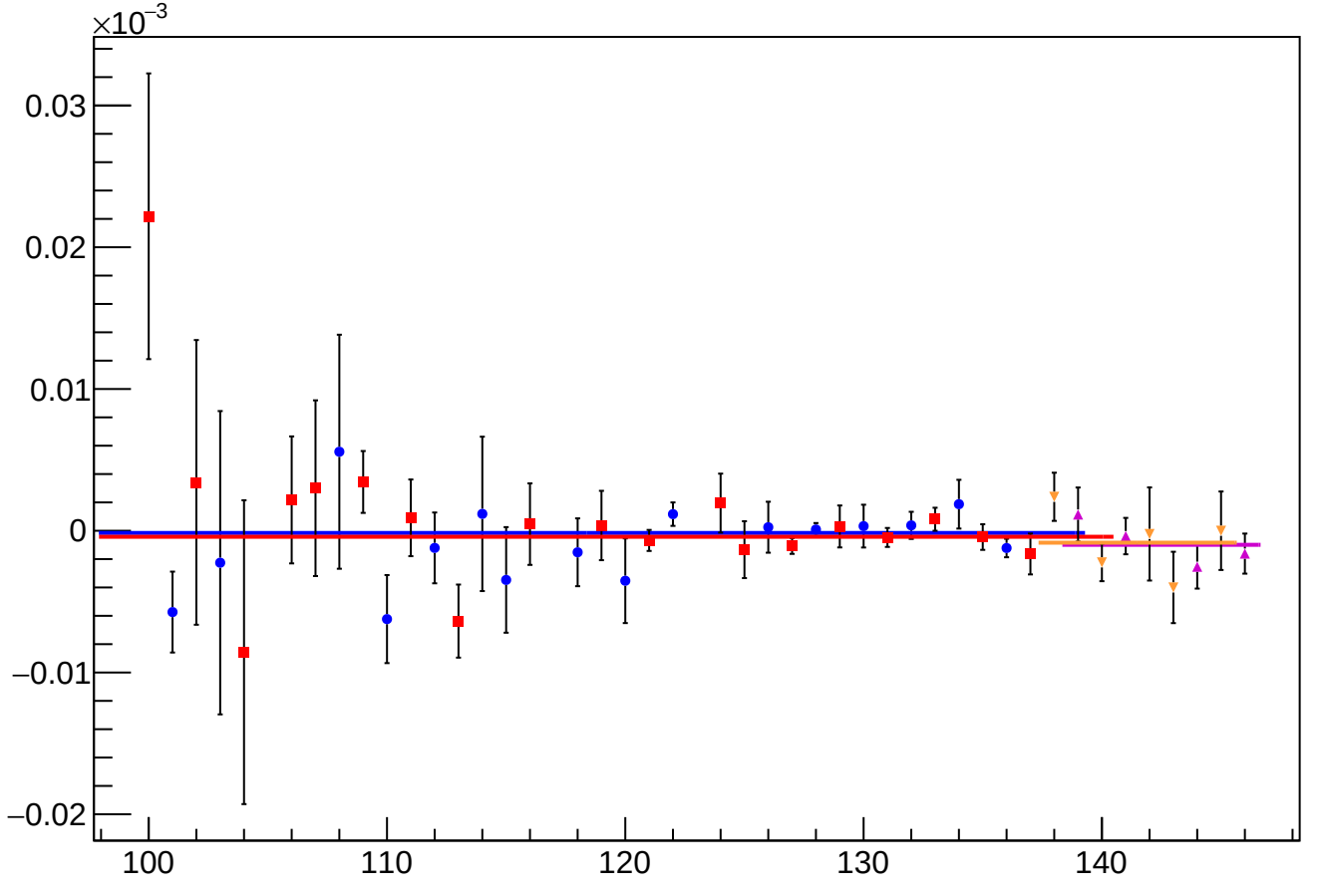
Left: 34.316+/-0.010 χ^2/NDF: 1696092.8/8

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.295+/-0.008 χ^2/NDF:1737448.2/19

Out: 33.324+/-0.009 χ^2/NDF:3752260.3/23

All: 33.824+/-0.006 χ^2/NDF: 5496192.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/3

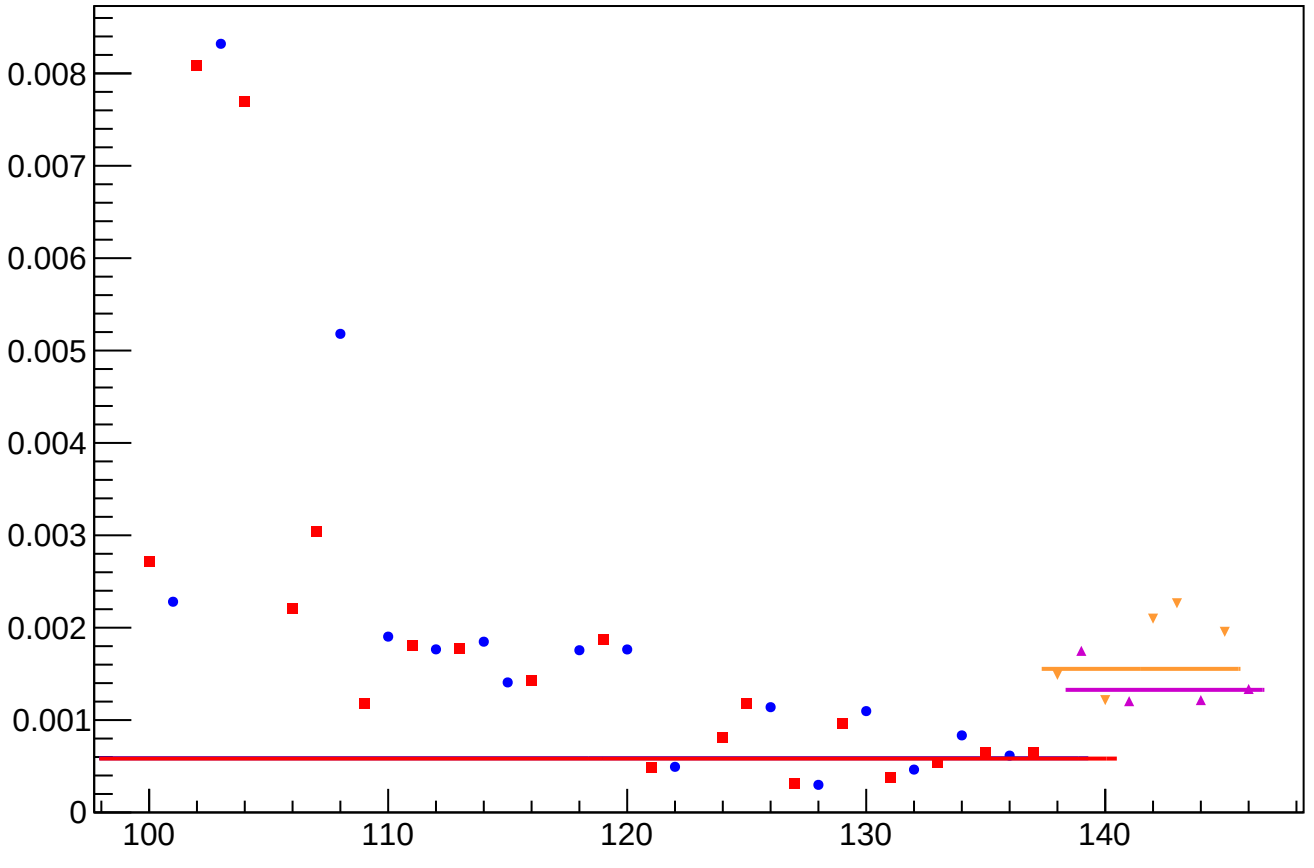
Left: -0.000+/-0.000 χ^2/NDF: 9.1/8

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:21.9/19

Out: -0.000+/-0.000 χ^2/NDF:28.2/23

All: -0.000+/-0.000 χ^2/NDF: 50.4/43



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:388905.9/4

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:126716.5/3

Left: 0.001+/-0.000 χ^2/NDF: 593396.8/8

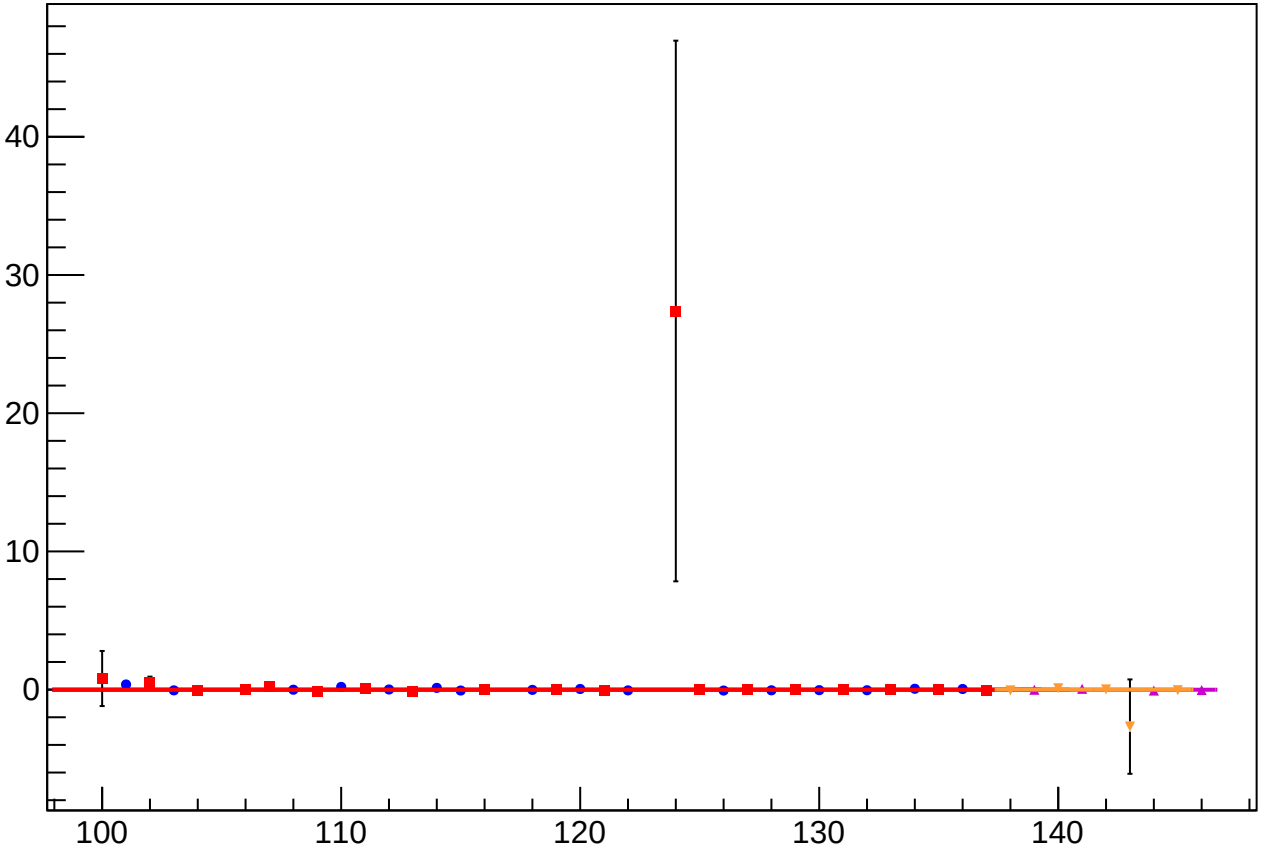
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:7324509.4/19

Out: 0.001+/-0.000 χ^2/NDF:8031357.8/23

All: 0.001+/-0.000 χ^2/NDF: 15357449.9/43

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: 0.003+/-0.022 χ^2/NDF:9.8/4

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.020 χ^2/NDF:5.8/3

Left: -0.003+/-0.015 χ^2/NDF: 15.7/8

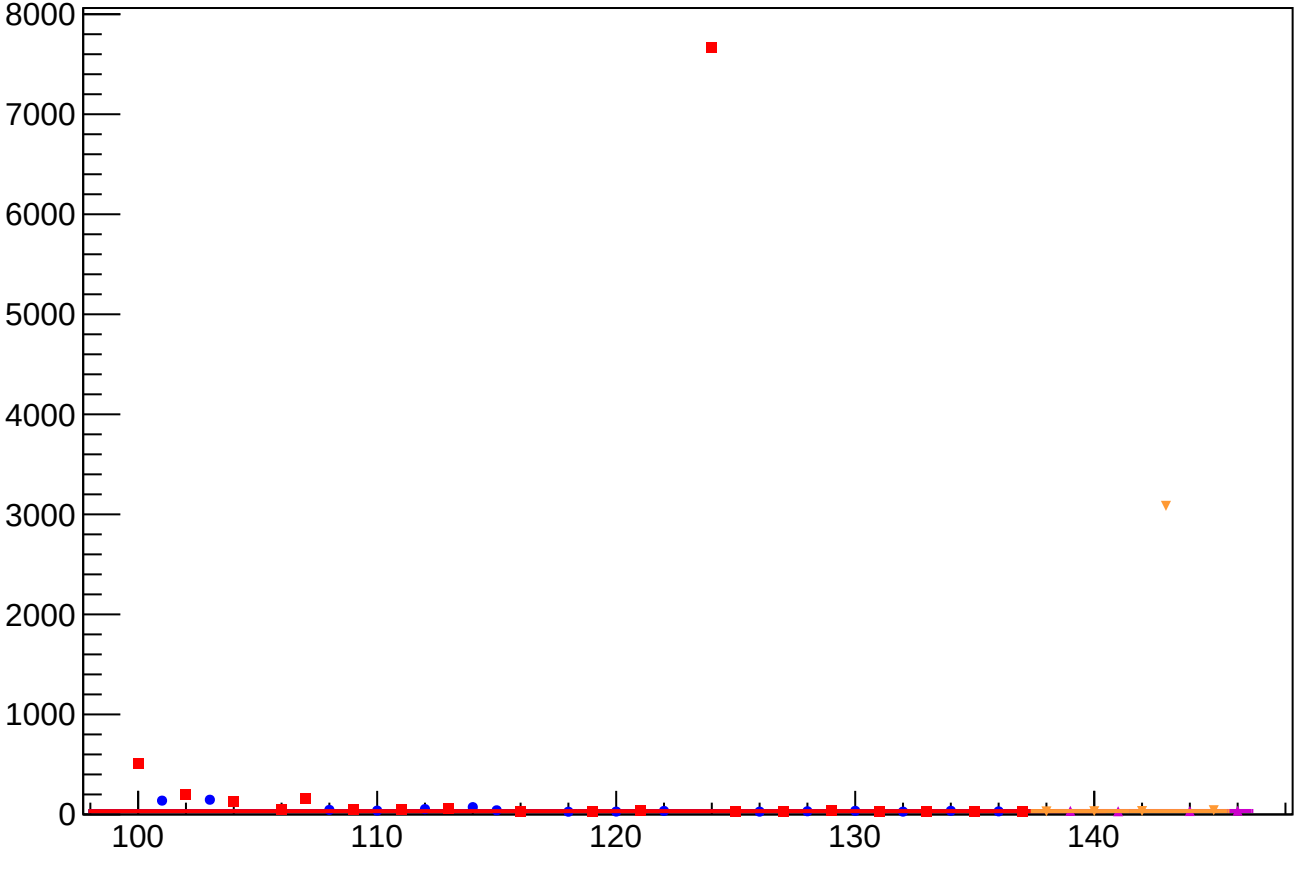
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.012 χ^2/NDF:27.0/19

Out: -0.007+/-0.012 χ^2/NDF:24.3/23

All: -0.004+/-0.009 χ^2/NDF: 51.4/43

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 33.830+/-0.015 χ^2/NDF:1675517.4/4

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.735+/-0.014 χ^2/NDF:18689.3/3

Left: 34.316+/-0.010 χ^2/NDF: 1696100.8/8

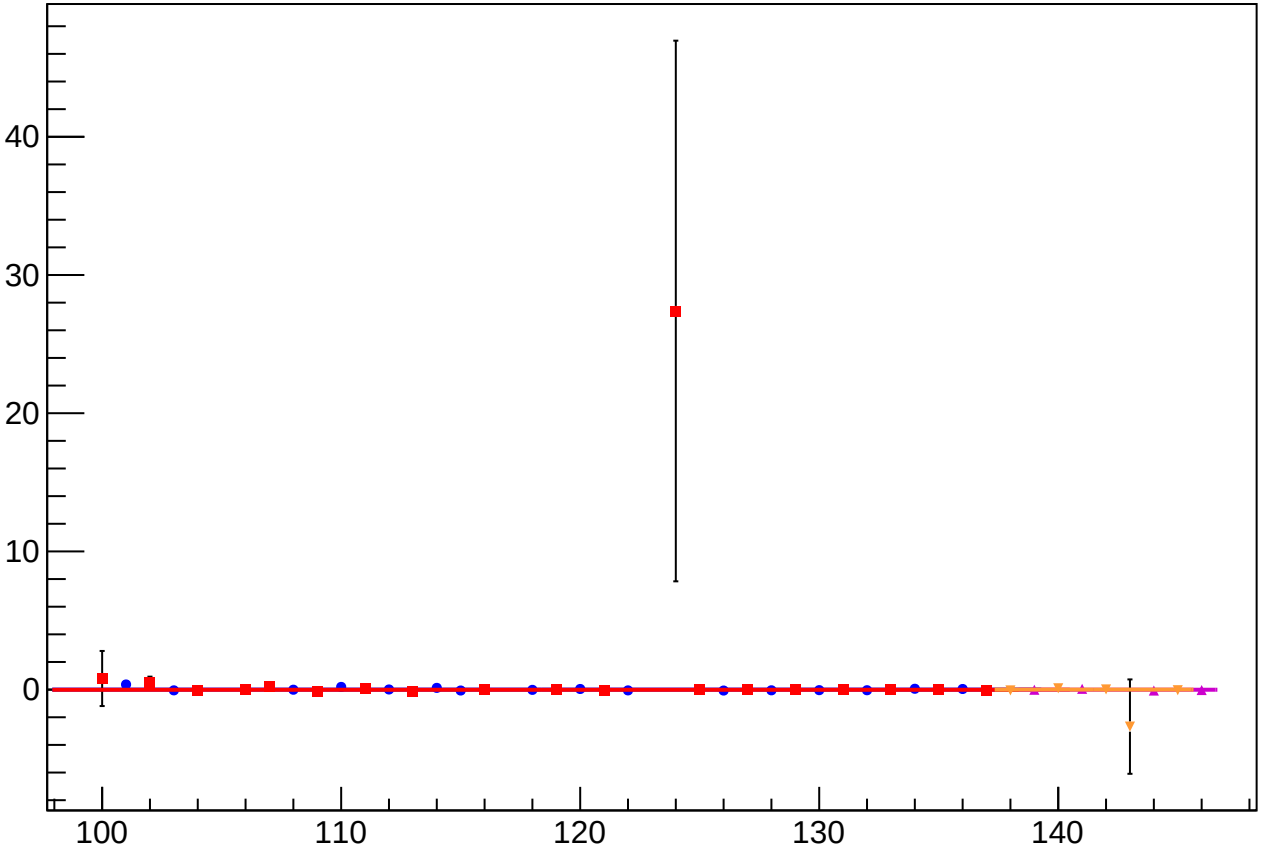
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.295+/-0.008 χ^2/NDF:1737438.8/19

Out: 33.324+/-0.009 χ^2/NDF:3752245.5/23

All: 33.824+/-0.006 χ^2/NDF: 5496170.8/43

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.003+/-0.022 χ^2/NDF:9.8/4

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.020 χ^2/NDF:5.8/3

Left: -0.003+/-0.015 χ^2/NDF: 15.7/8

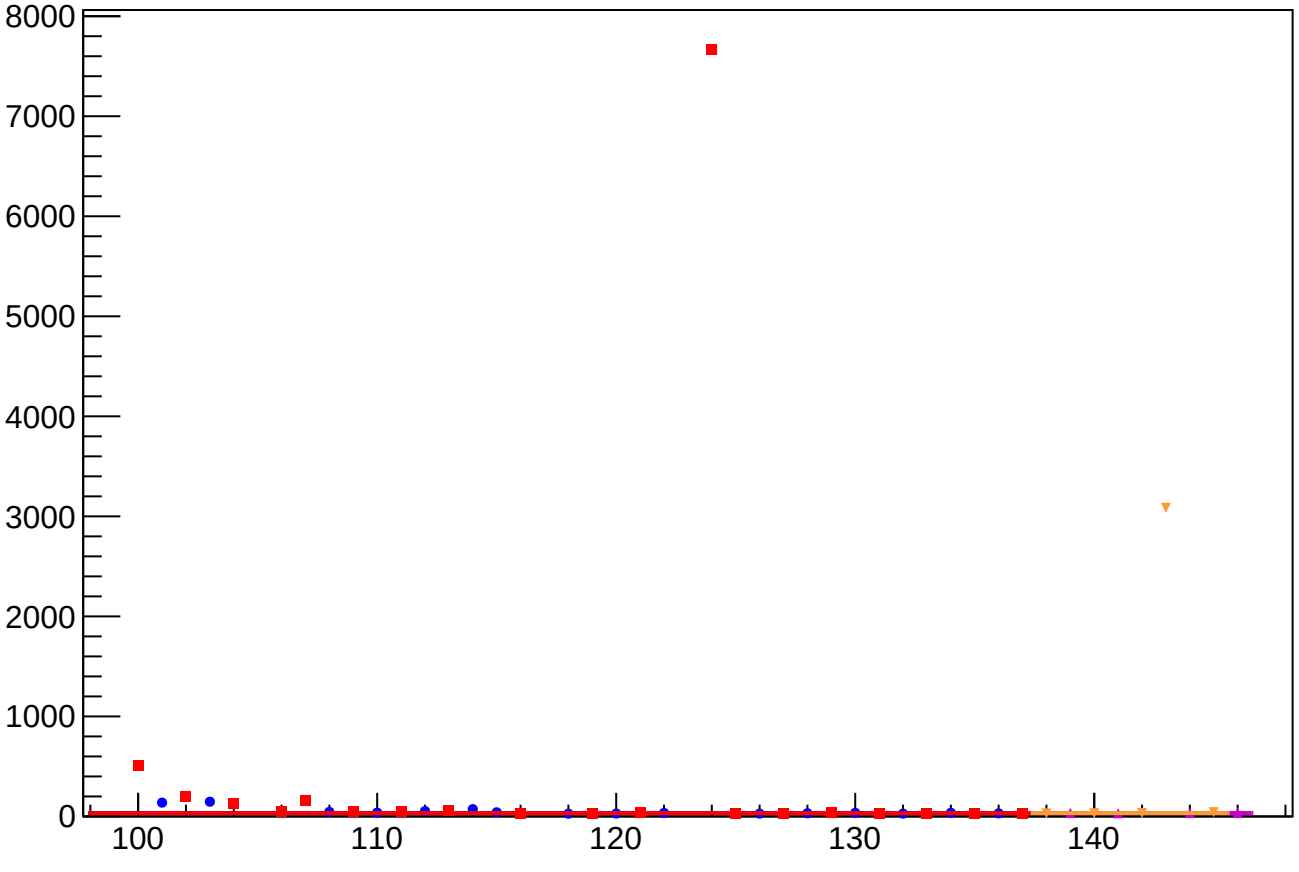
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.012 χ^2/NDF:27.0/19

Out: -0.007+/-0.012 χ^2/NDF:24.3/23

All: -0.004+/-0.009 χ^2/NDF: 51.4/43

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: 33.830+/-0.015 χ^2/NDF:1675517.4/4

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.735+/-0.014 χ^2/NDF:18689.3/3

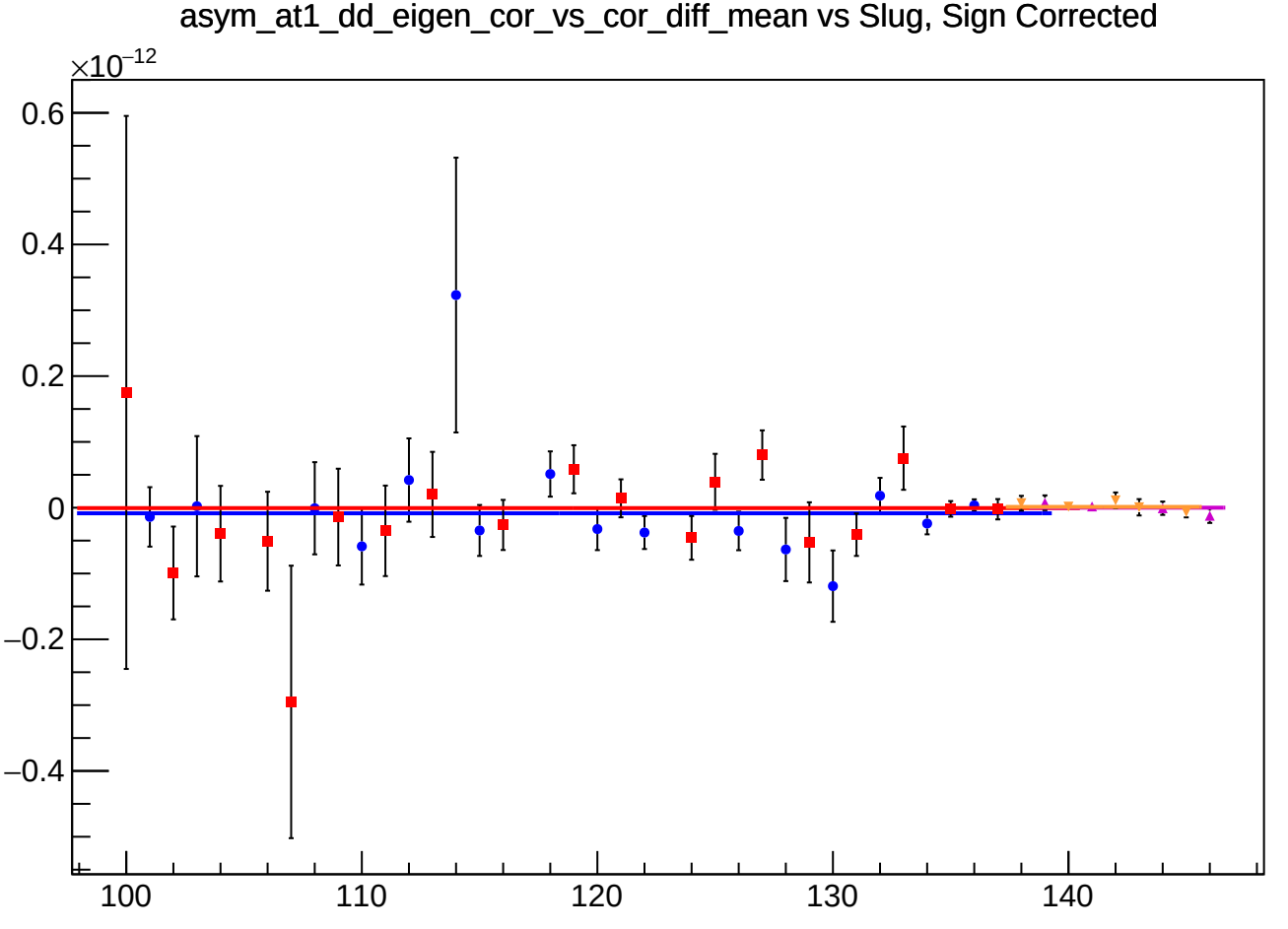
Left: 34.316+/-0.010 χ^2/NDF: 1696100.8/8

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.295+/-0.008 χ^2/NDF:1737438.8/19

Out: 33.324+/-0.009 χ^2/NDF:3752245.5/23

All: 33.824+/-0.006 χ^2/NDF: 5496170.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/4

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

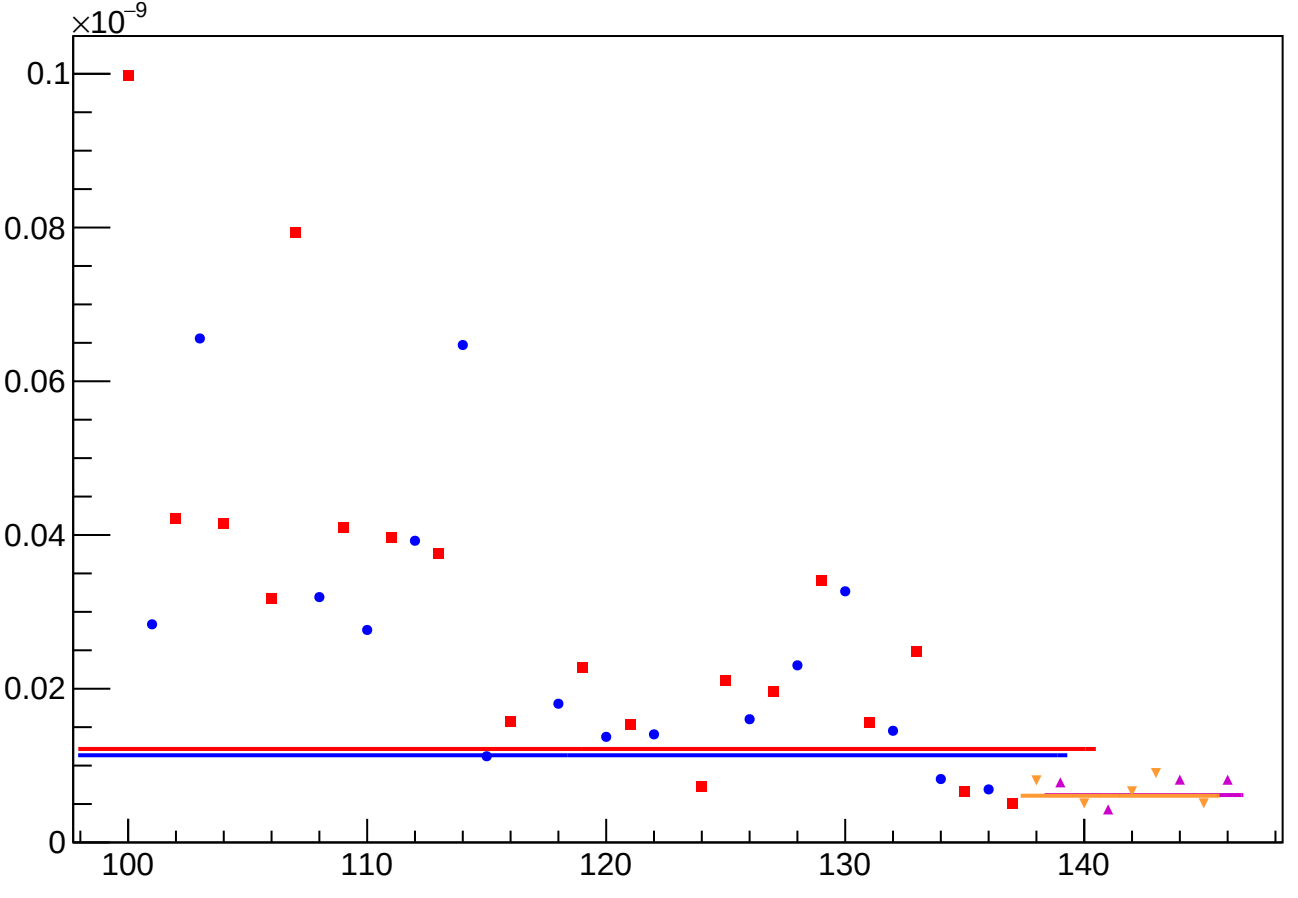
Left: 0.000+/-0.000 χ^2/NDF: 3.7/8

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: -0.000+/-0.000 χ^2/NDF:22.3/19

Out: 0.000+/-0.000 χ^2/NDF:22.7/23

All: -0.000+/-0.000 χ^2/NDF: 45.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:257359.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:372790.7/3

Left: 0.000+/-0.000 χ^2/NDF: 630568.6/8

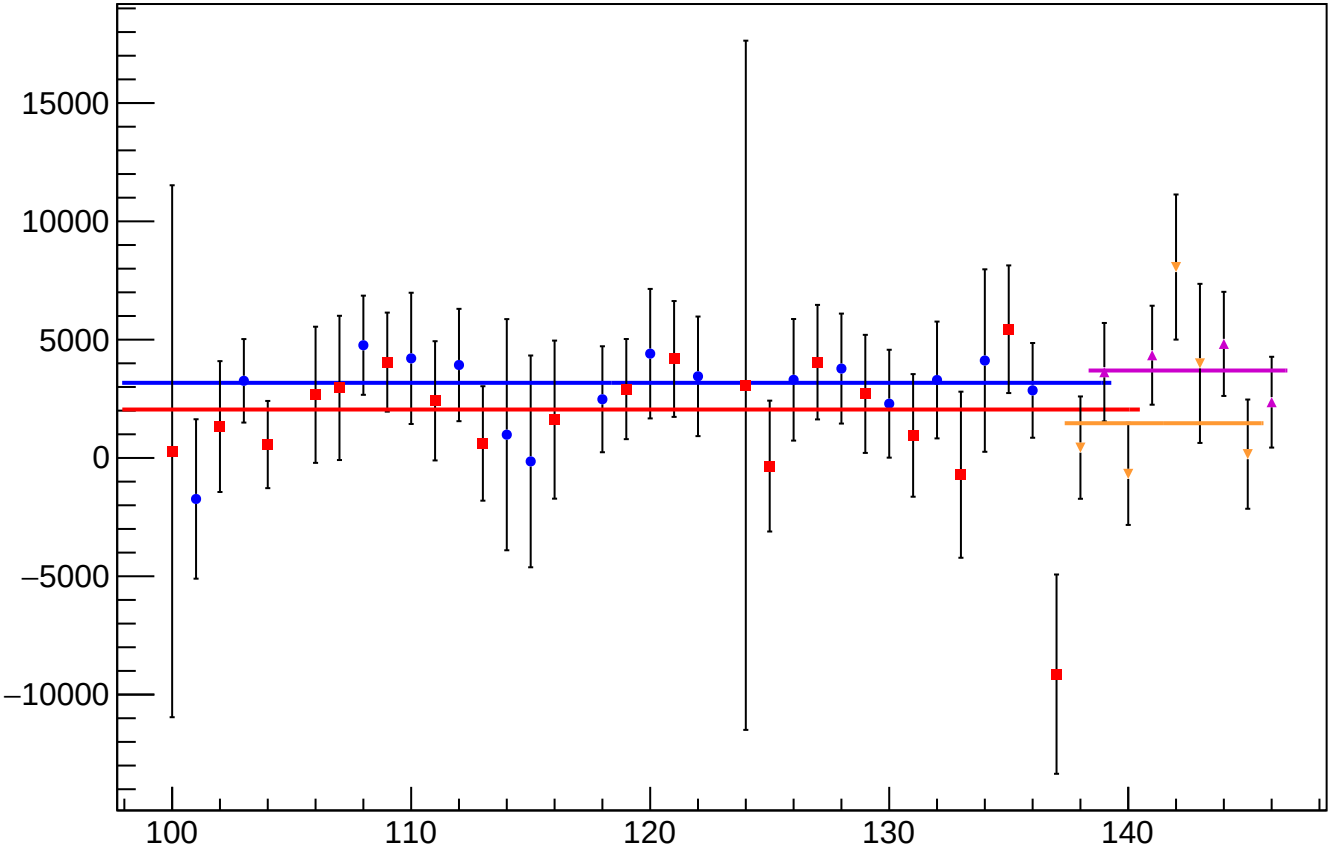
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4079165.0/19

Out: 0.000+/-0.000 χ^2/NDF:5085060.2/23

All: 0.000+/-0.000 χ^2/NDF: 9170110.3/43

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1468.454+/-1110.410 χ^2/NDF:6.7/4

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3695.968+/-1032.624 χ^2/NDF:0.8/3

Left: 2662.956+/-756.181 χ^2/NDF: 9.7/8

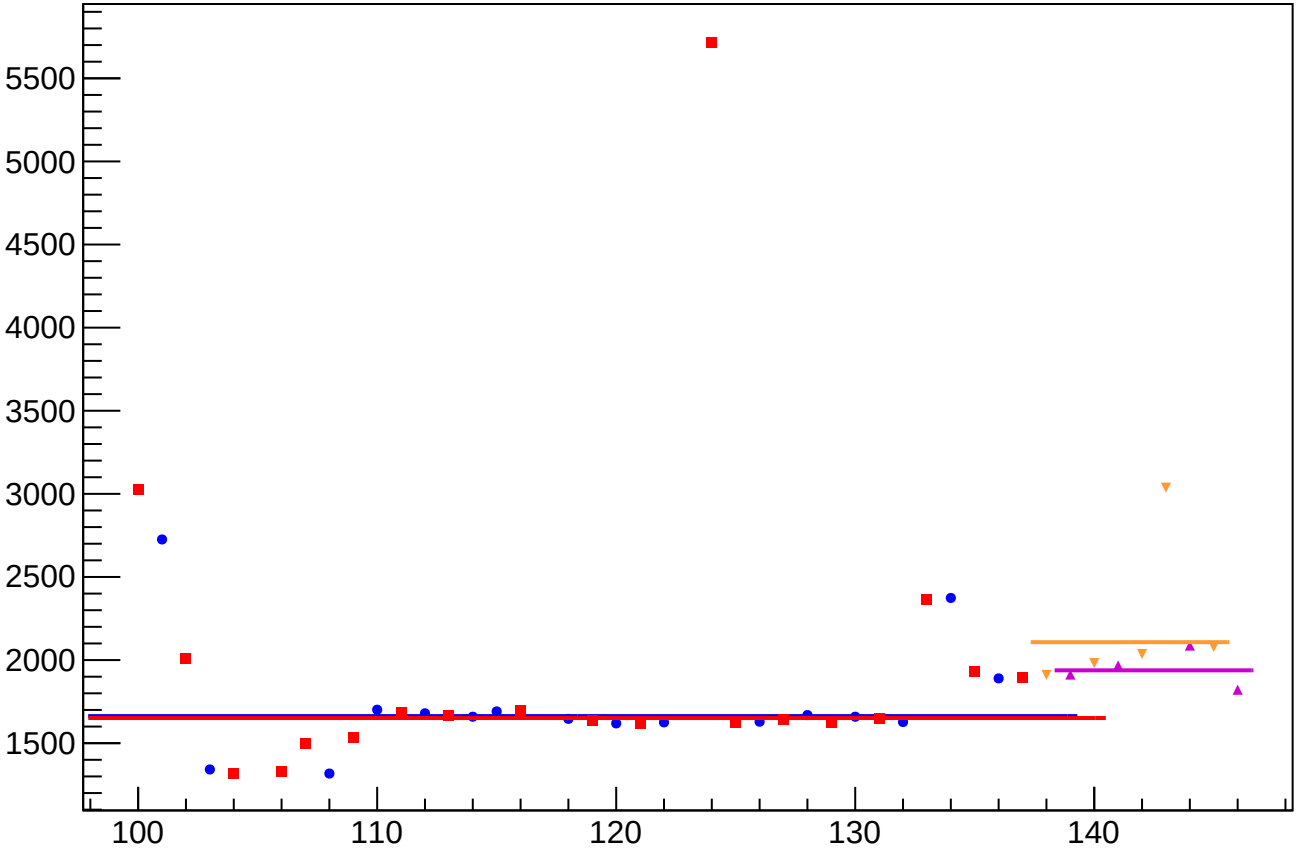
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3316.094+/-536.559 χ^2/NDF:5.3/19

Out: 1909.301+/-542.330 χ^2/NDF:21.0/23

All: 2620.222+/-381.429 χ^2/NDF: 29.7/43

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 2107.693+/-0.785 χ^2/NDF:177754.7/4

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

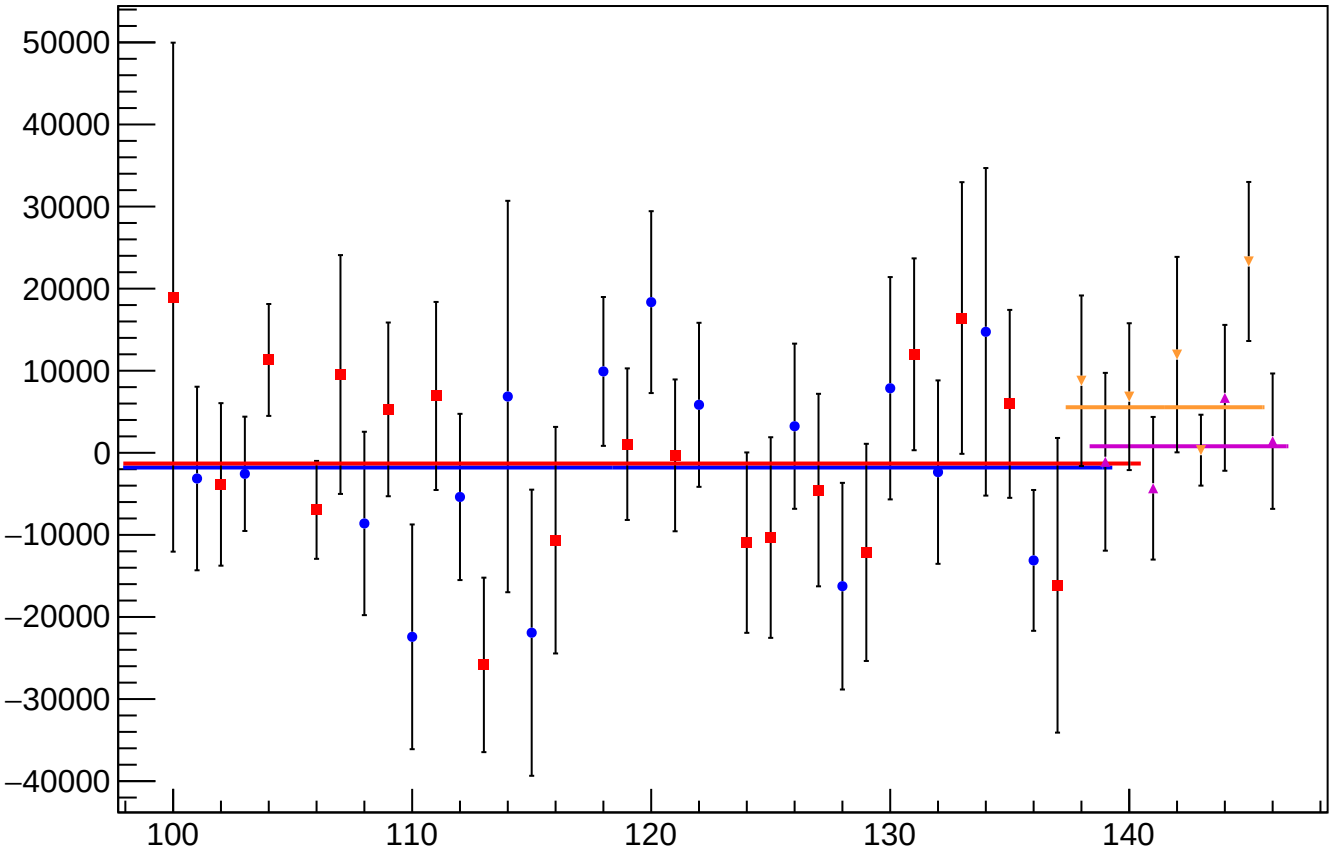
Left: 2016.848+/-0.535 χ^2/NDF: 219967.2/8

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1737.253+/-0.379 χ^2/NDF:536716.1/19

Out: 1760.184+/-0.383 χ^2/NDF:866964.5/23

All: 1748.596+/-0.270 χ^2/NDF: 1405487.6/43



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 5550.906+/-3277.524 χ^2/NDF:5.2/4

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 796.873+/-4511.190 χ^2/NDF:0.8/3

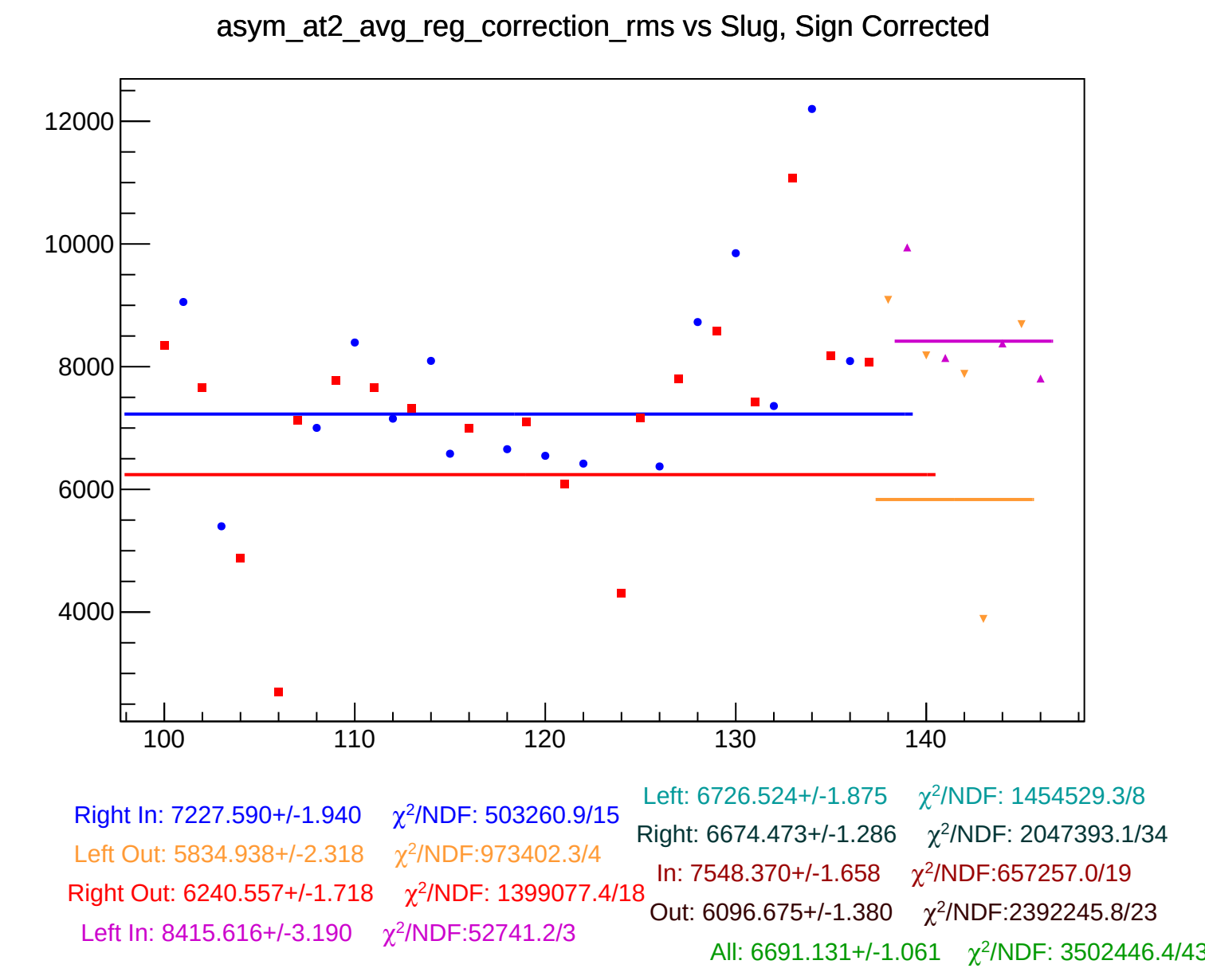
Left: 3908.459+/-2651.586 χ^2/NDF: 6.8/8

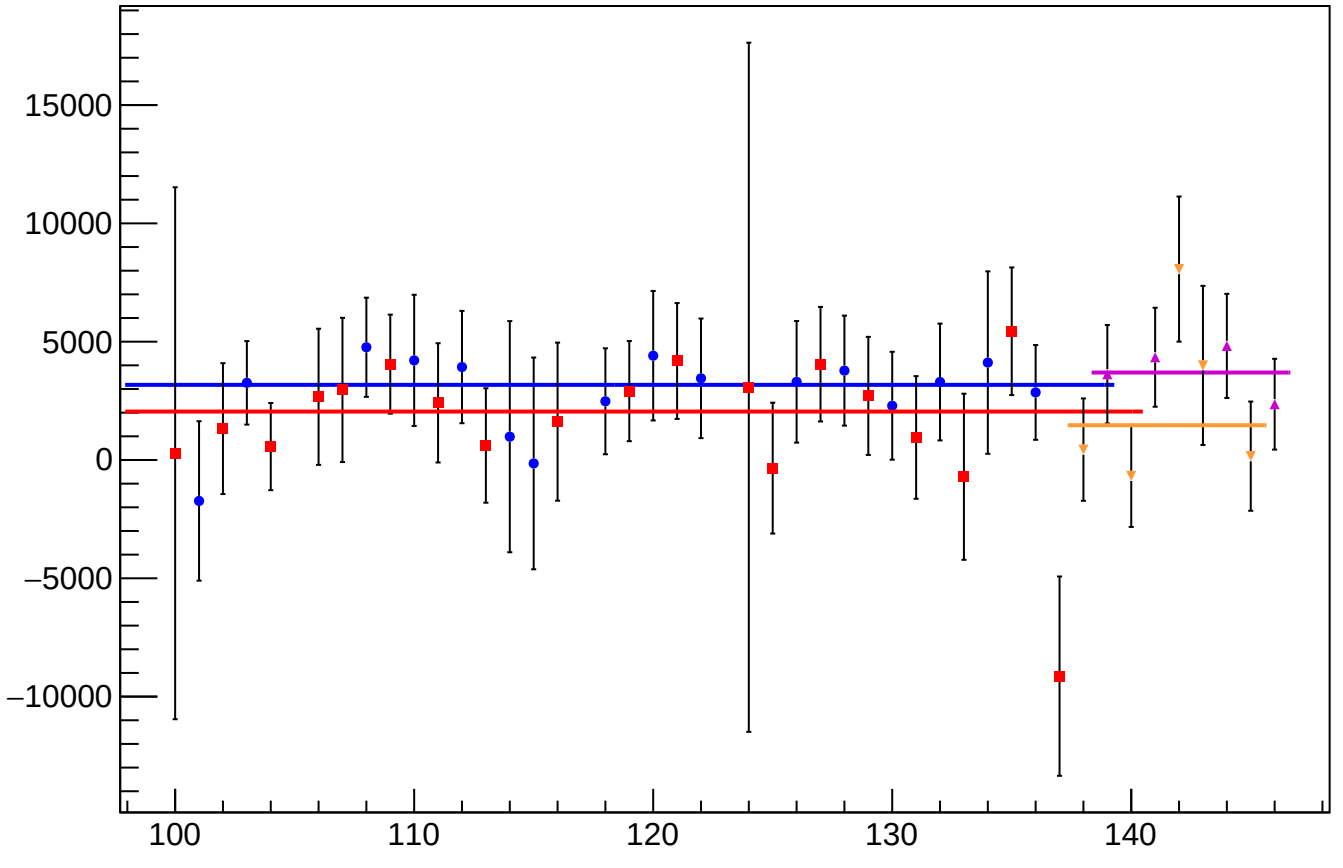
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -1092.268+/-2344.130 χ^2/NDF:15.4/19

Out: 1126.103+/-1952.049 χ^2/NDF:25.8/23

All: 217.700+/-1500.044 χ^2/NDF: 41.7/43


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
100
110
120
130
140
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 5834.938+/-2.318 χ²/NDF:973402.3/4
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8415.616+/-3.190 χ²/NDF:52741.2/3
Left: 6726.524+/-1.875 χ²/NDF: 1454529.3/8
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 7548.370+/-1.658 χ²/NDF:657257.0/19
Out: 6096.675+/-1.380 χ²/NDF:2392245.8/23
All: 6691.131+/-1.061 χ²/NDF: 3502446.4/43



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1468.578+/-1110.410 χ^2/NDF:6.7/4

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3696.215+/-1032.624 χ^2/NDF:0.8/3

Left: 2663.147+/-756.181 χ^2/NDF: 9.7/8

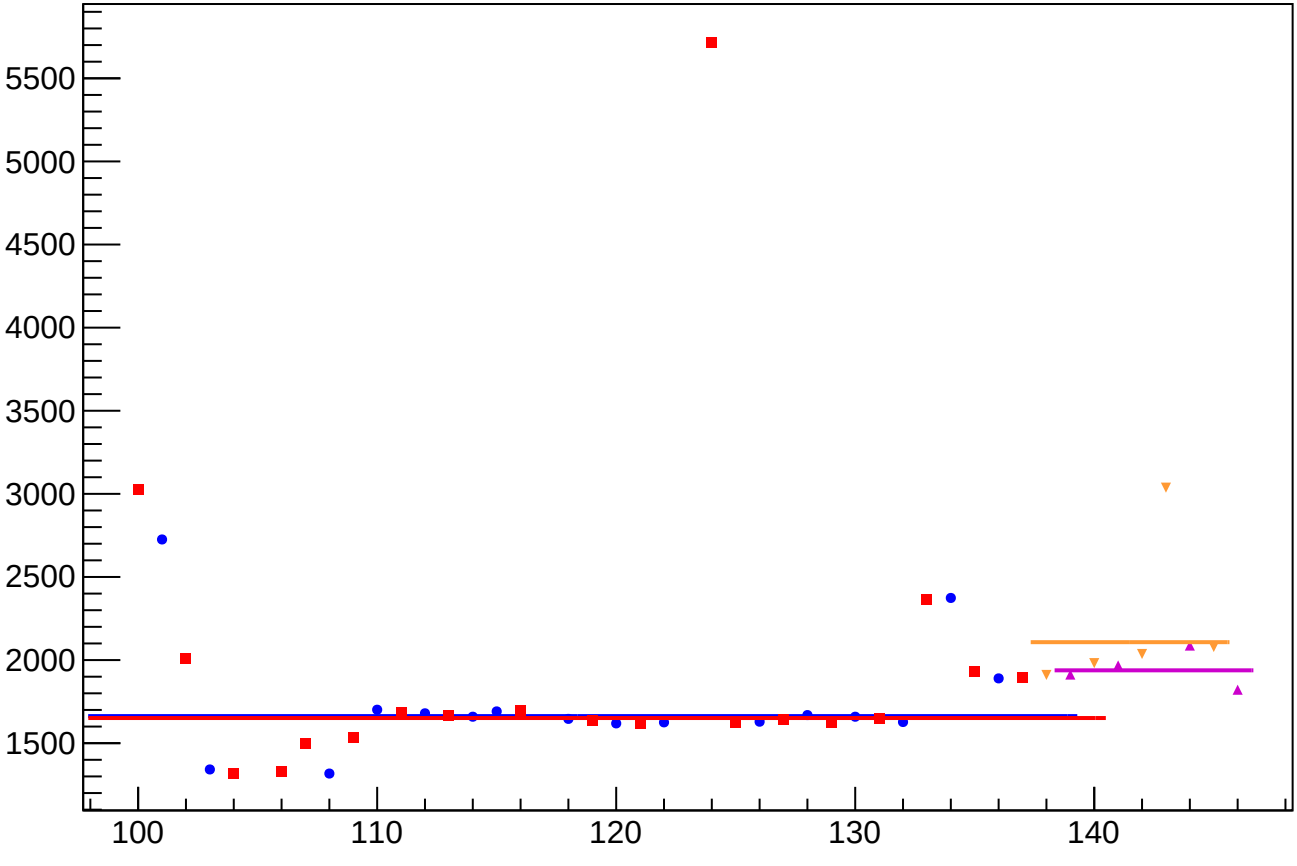
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3316.226+/-536.559 χ^2/NDF:5.3/19

Out: 1909.183+/-542.330 χ^2/NDF:21.0/23

All: 2620.230+/-381.429 χ^2/NDF: 29.7/43

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2107.693+/-0.785 χ^2/NDF:177754.7/4

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

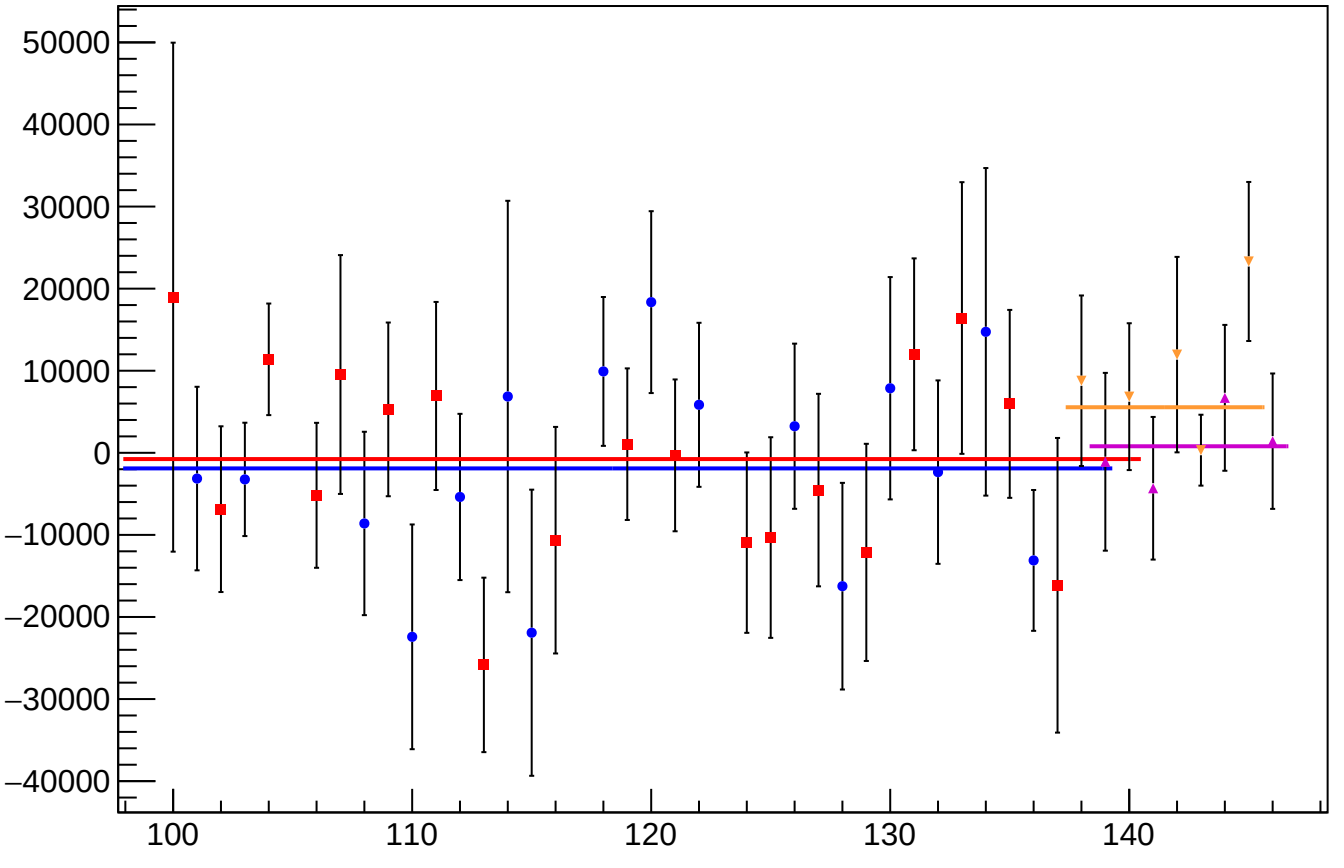
Left: 2016.848+/-0.535 χ^2/NDF: 219967.2/8

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1737.253+/-0.379 χ^2/NDF:536716.6/19

Out: 1760.184+/-0.383 χ^2/NDF:866964.8/23

All: 1748.596+/-0.270 χ^2/NDF: 1405488.3/43



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 5550.726+/-3277.502 χ^2/NDF:5.2/4

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 796.935+/-4511.187 χ^2/NDF:0.8/3

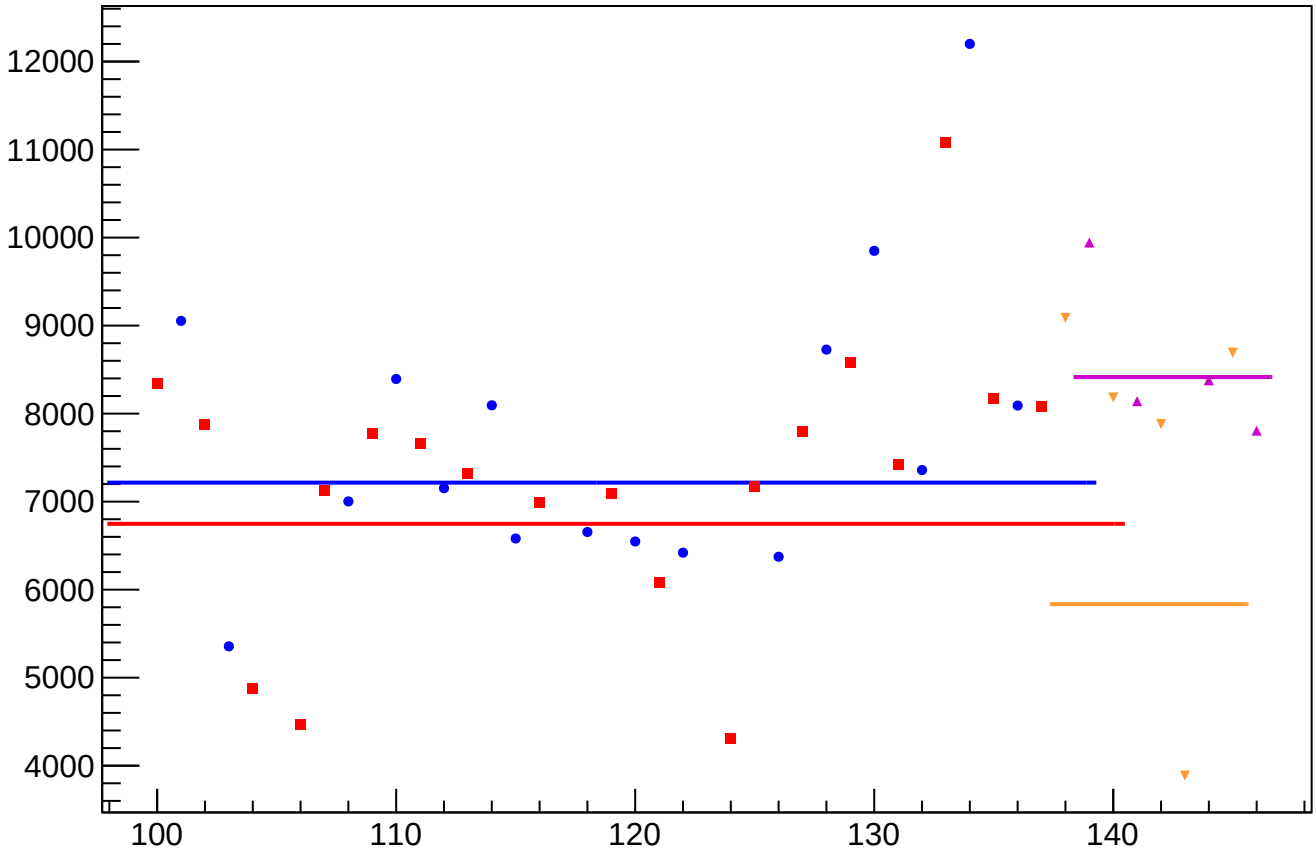
Left: 3908.376+/-2651.573 χ^2/NDF: 6.8/8

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -1173.309+/-2341.844 χ^2/NDF:15.4/19

Out: 1617.994+/-2012.573 χ^2/NDF:24.8/23

All: 432.215+/-1526.358 χ^2/NDF: 41.1/43



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 5834.888+/-2.318 χ^2/NDF:973424.3/4

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8415.611+/-3.190 χ^2/NDF:52741.1/3

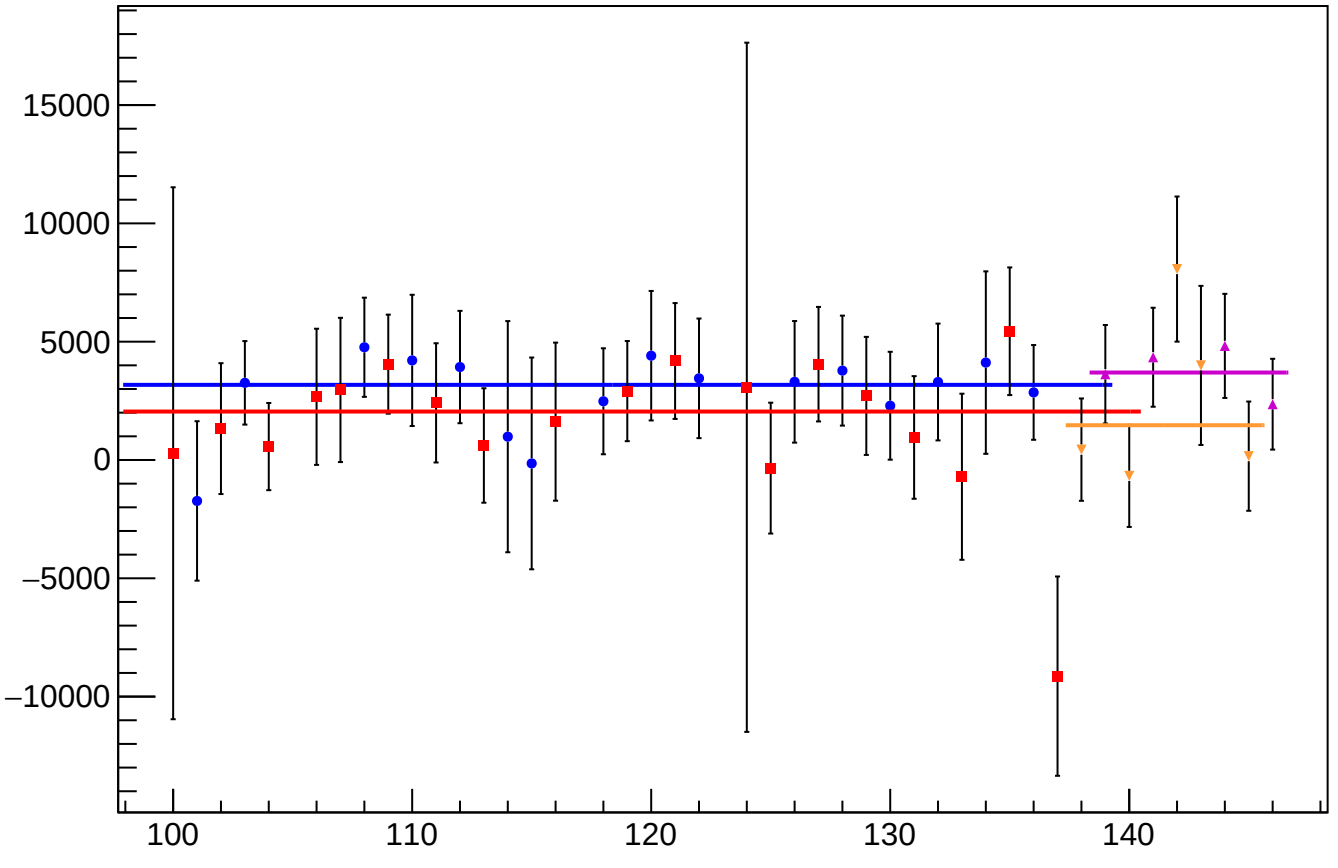
Left: 6726.482+/-1.875 χ^2/NDF: 1454568.3/8

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7539.298+/-1.656 χ^2/NDF:668176.2/19

Out: 6403.532+/-1.423 χ^2/NDF:1778863.5/23

All: 6886.020+/-1.079 χ^2/NDF: 2717623.2/43



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 1468.578+/-1110.410 χ^2/NDF:6.7/4

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3696.215+/-1032.624 χ^2/NDF:0.8/3

Left: 2663.147+/-756.181 χ^2/NDF: 9.7/8

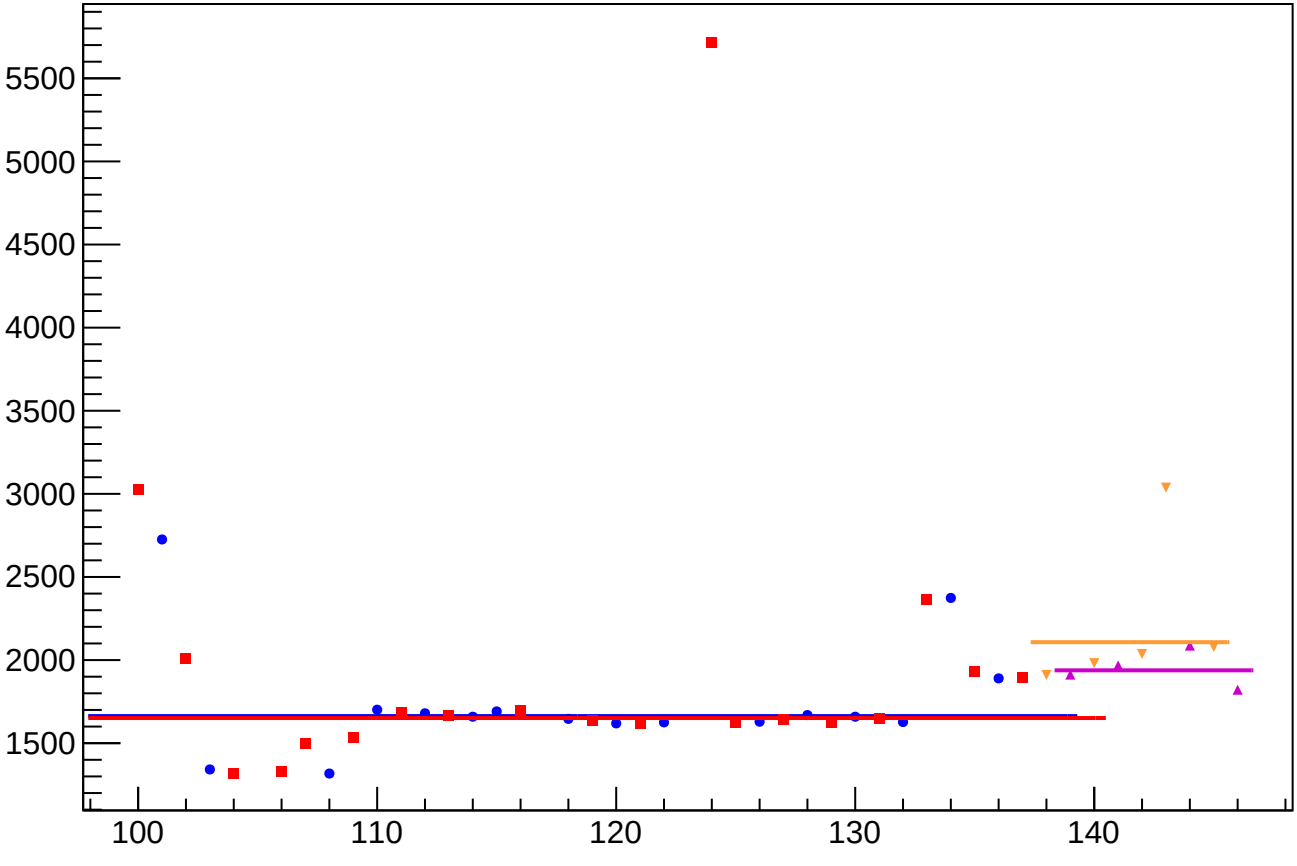
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3316.226+/-536.559 χ^2/NDF:5.3/19

Out: 1909.183+/-542.330 χ^2/NDF:21.0/23

All: 2620.230+/-381.429 χ^2/NDF: 29.7/43

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2107.693+/-0.785 χ^2/NDF:177754.7/4

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

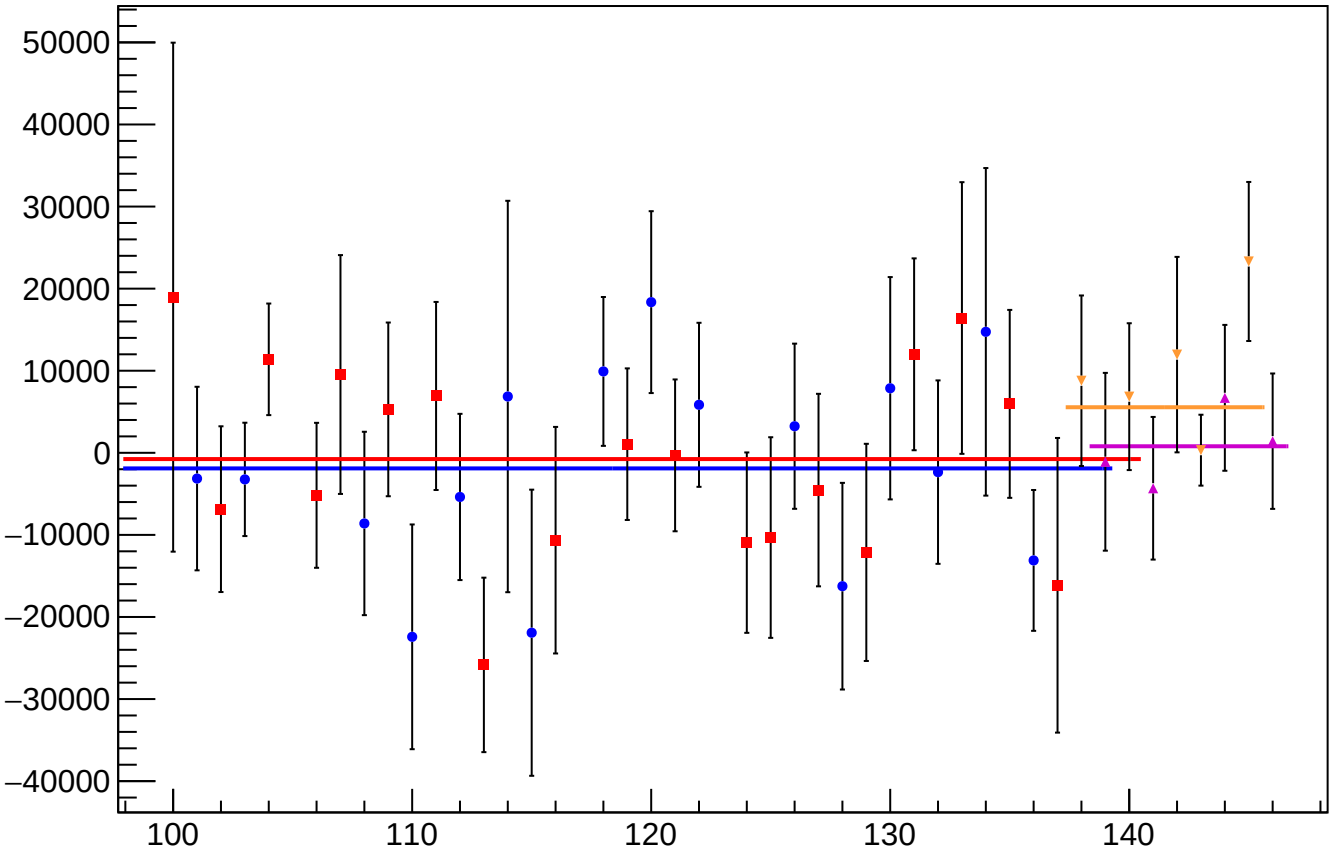
Left: 2016.848+/-0.535 χ^2/NDF: 219967.2/8

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1737.253+/-0.379 χ^2/NDF:536716.6/19

Out: 1760.184+/-0.383 χ^2/NDF:866964.8/23

All: 1748.596+/-0.270 χ^2/NDF: 1405488.3/43



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 5550.726+/-3277.502 χ^2/NDF:5.2/4

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 796.935+/-4511.187 χ^2/NDF:0.8/3

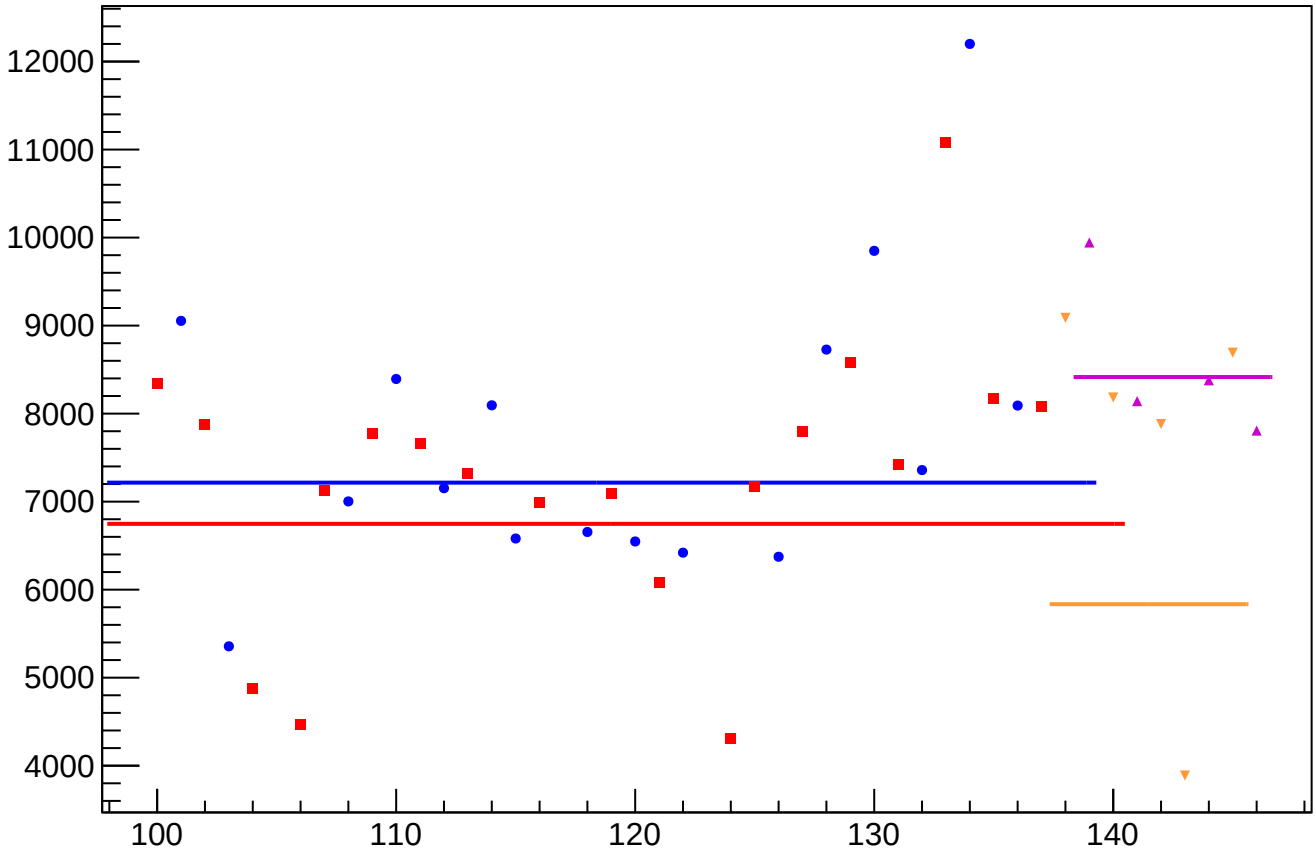
Left: 3908.376+/-2651.573 χ^2/NDF: 6.8/8

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -1173.309+/-2341.844 χ^2/NDF:15.4/19

Out: 1617.994+/-2012.573 χ^2/NDF:24.8/23

All: 432.215+/-1526.358 χ^2/NDF: 41.1/43



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 5834.888+/-2.318 χ^2/NDF:973424.3/4

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8415.611+/-3.190 χ^2/NDF:52741.1/3

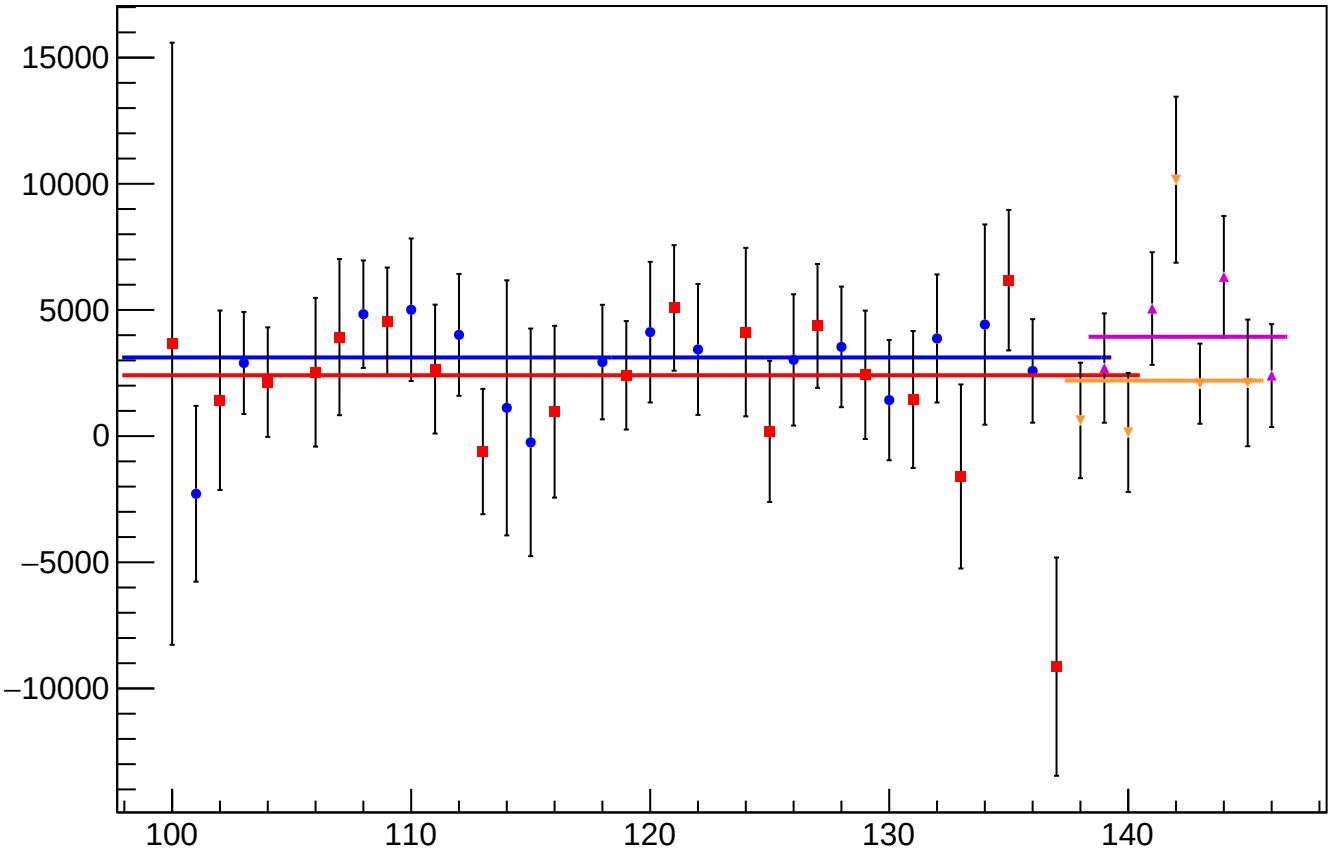
Left: 6726.482+/-1.875 χ^2/NDF: 1454568.3/8

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7539.298+/-1.656 χ^2/NDF:668176.2/19

Out: 6403.532+/-1.423 χ^2/NDF:1778863.5/23

All: 6886.020+/-1.079 χ^2/NDF: 2717623.2/43



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 2202.160+/-990.872 χ^2/NDF:7.1/4

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3937.153+/-1100.091 χ^2/NDF:2.1/3

Left: 2979.277+/-736.247 χ^2/NDF: 10.6/8

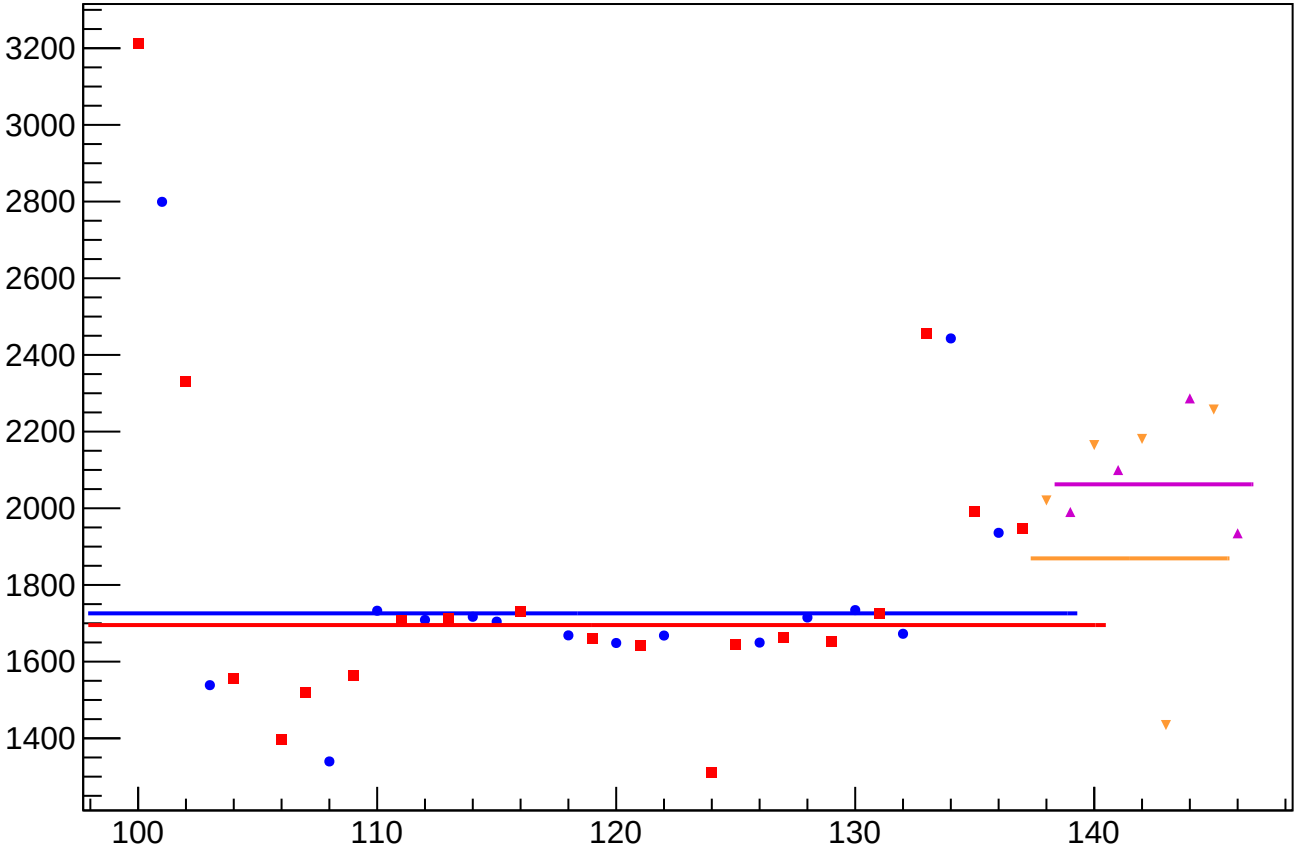
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3330.426+/-560.328 χ^2/NDF:7.8/19

Out: 2350.696+/-537.027 χ^2/NDF:23.1/23

All: 2819.768+/-387.711 χ^2/NDF: 32.6/43

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1869.313+/-0.701 χ^2/NDF:255805.6/4

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 2062.461+/-0.778 χ^2/NDF:27915.4/3

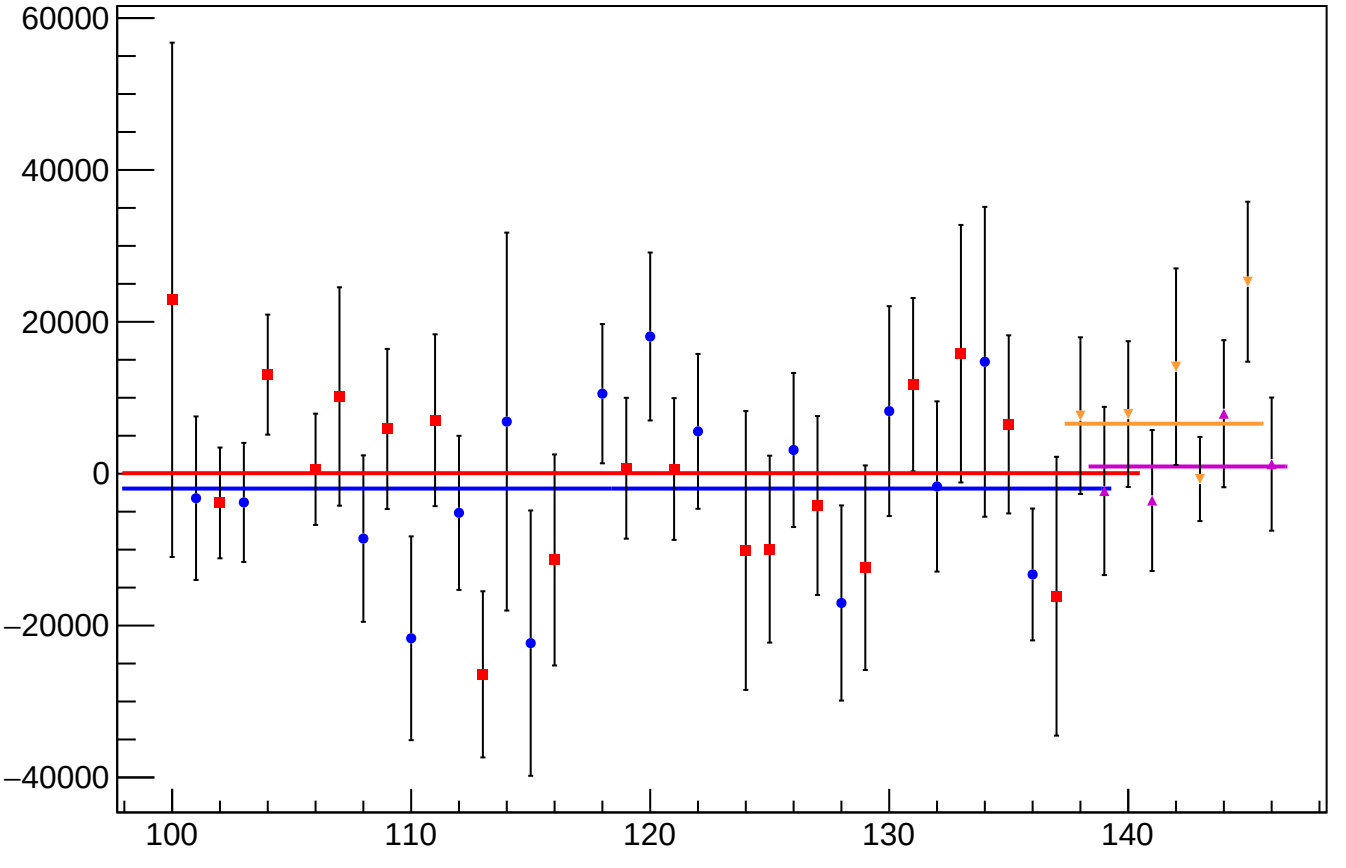
Left: 1955.825+/-0.521 χ^2/NDF: 317759.0/8

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1813.223+/-0.396 χ^2/NDF:532177.4/19

Out: 1746.449+/-0.380 χ^2/NDF:584957.1/23

All: 1778.410+/-0.274 χ^2/NDF: 1131942.7/43



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 6584.200+/-3841.521 χ^2/NDF:5.2/4

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 946.893+/-4798.238 χ^2/NDF:0.8/3

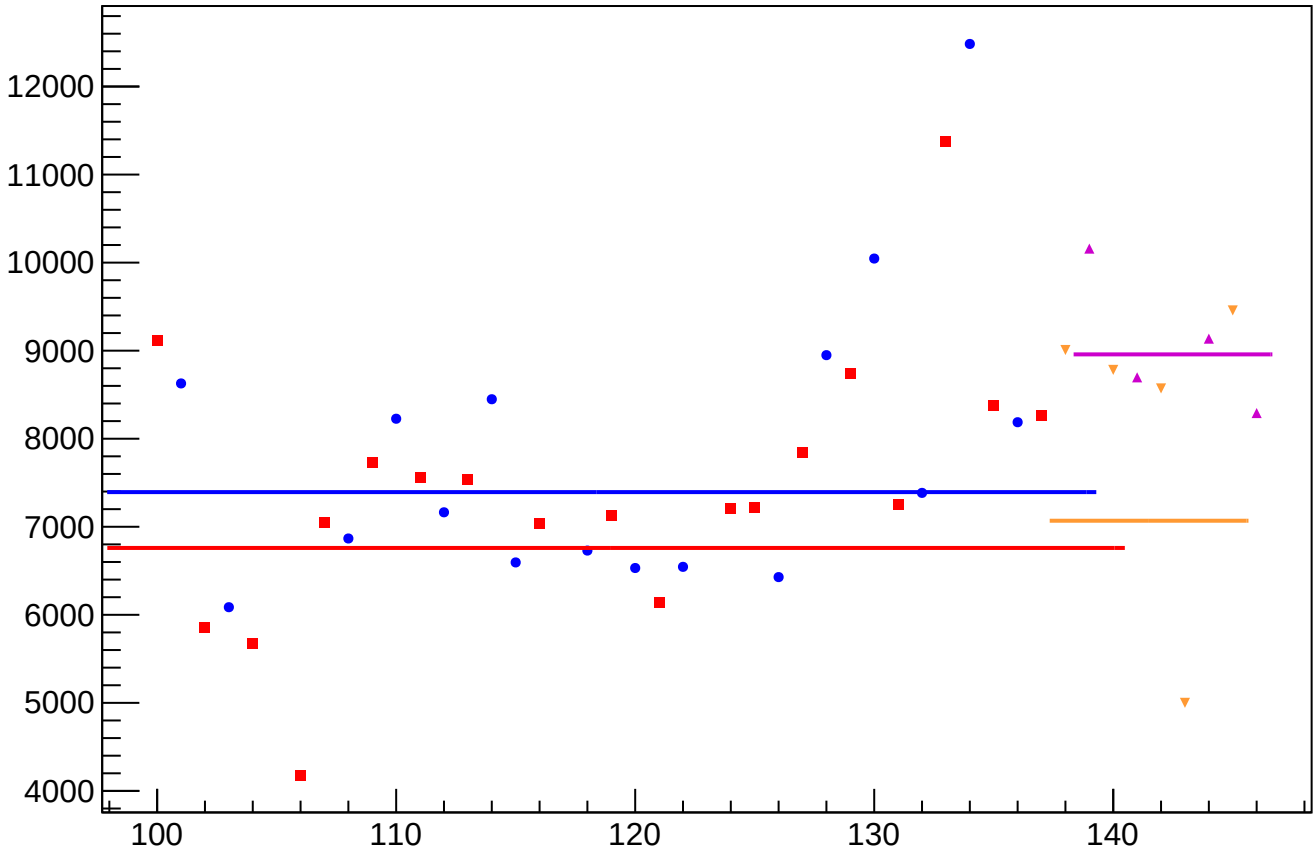
Left: 4382.228+/-2998.830 χ^2/NDF: 6.9/8

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -1221.167+/-2417.265 χ^2/NDF:15.5/19

Out: 2038.915+/-2112.652 χ^2/NDF:23.4/23

All: 627.111+/-1590.733 χ^2/NDF: 39.9/43



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7068.587+/-2.716 χ^2/NDF:542491.2/4

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 8957.881+/-3.393 χ^2/NDF:37339.1/3

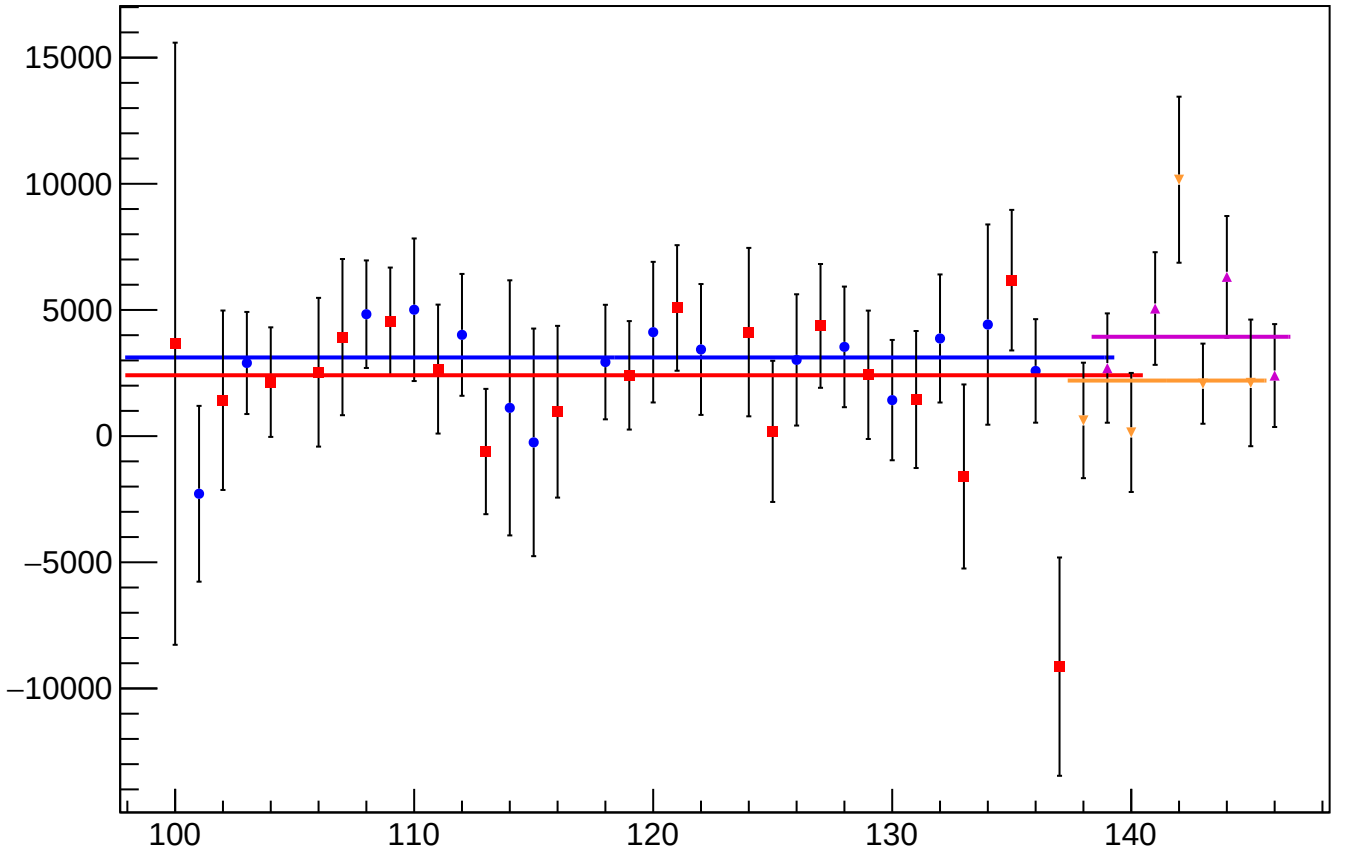
Left: 7806.558+/-2.120 χ^2/NDF: 768787.3/8

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7790.625+/-1.709 χ^2/NDF:597779.6/19

Out: 6852.932+/-1.494 χ^2/NDF:1195817.8/23

All: 7259.007+/-1.125 χ^2/NDF: 1964222.1/43



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 2202.170+/-990.874 χ^2/NDF:7.1/4

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3937.144+/-1100.093 χ^2/NDF:2.1/3

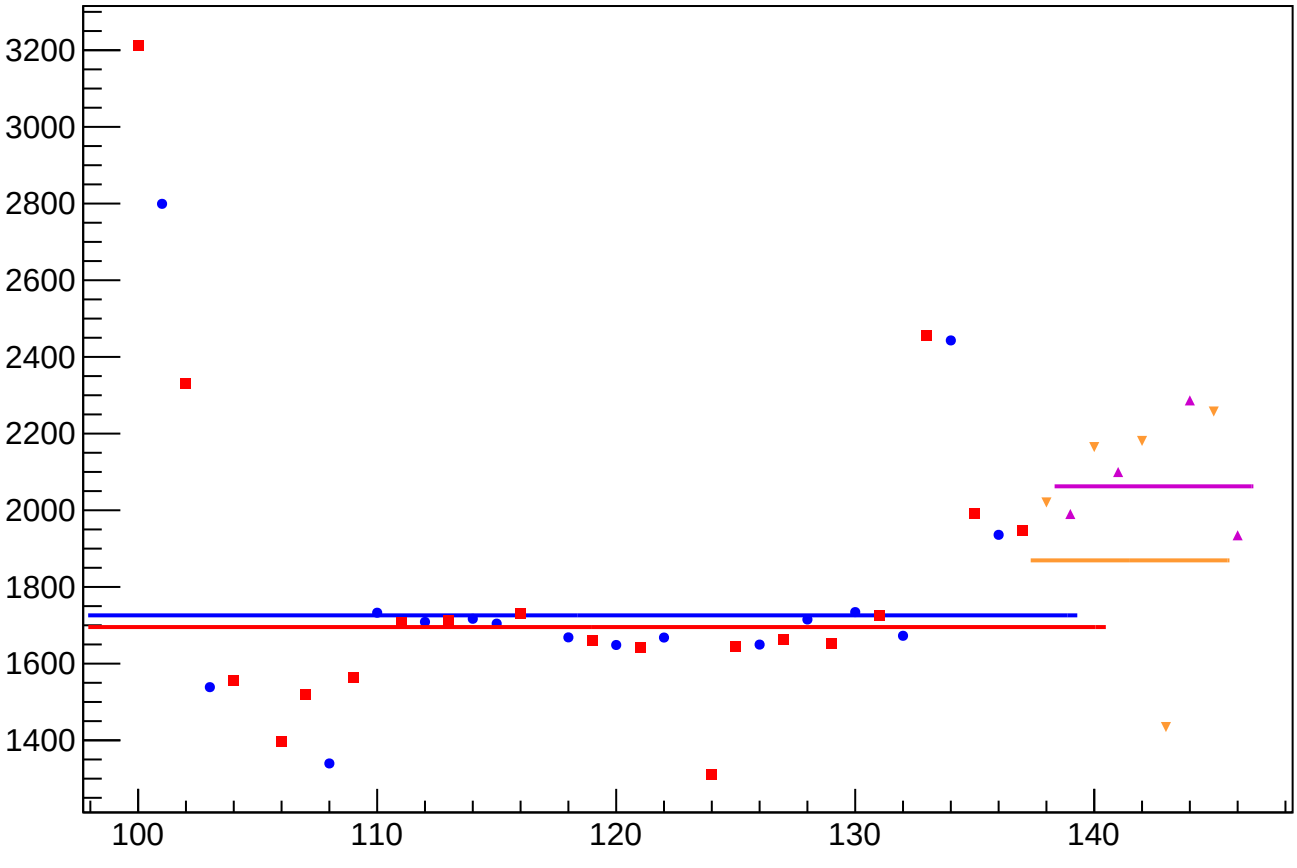
Left: 2979.279+/-736.248 χ^2/NDF: 10.6/8

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3330.425+/-560.328 χ^2/NDF:7.8/19

Out: 2350.705+/-537.028 χ^2/NDF:23.1/23

All: 2819.772+/-387.711 χ^2/NDF: 32.6/43



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1869.316+/-0.701 χ^2/NDF:255806.0/4

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 2062.464+/-0.778 χ^2/NDF:27915.4/3

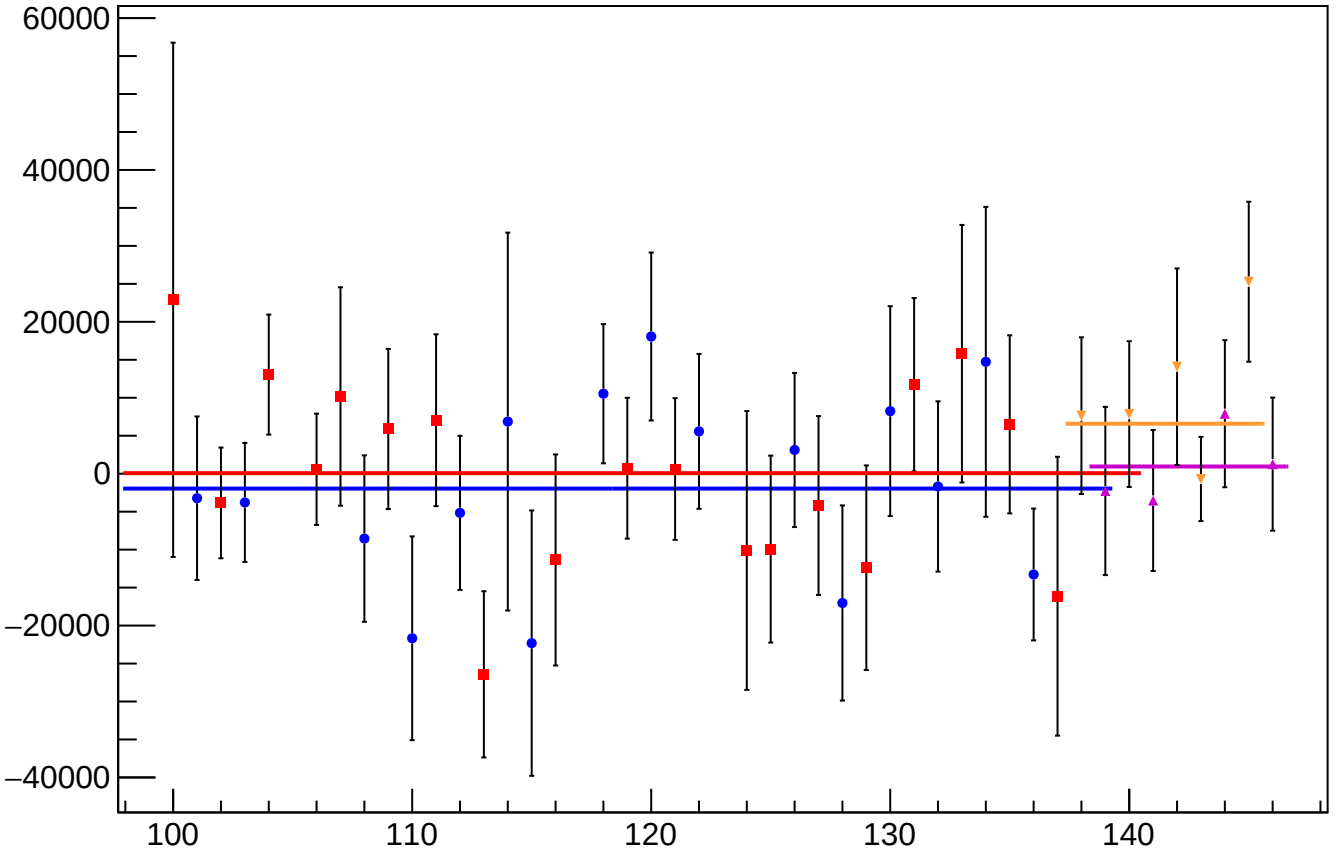
Left: 1955.828+/-0.521 χ^2/NDF: 317759.5/8

Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1813.223+/-0.396 χ^2/NDF:532180.3/19

Out: 1746.449+/-0.380 χ^2/NDF:584959.2/23

All: 1778.410+/-0.274 χ^2/NDF: 1131947.6/43



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 6584.208+/-3841.528 χ^2/NDF:5.2/4

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 946.883+/-4798.246 χ^2/NDF:0.8/3

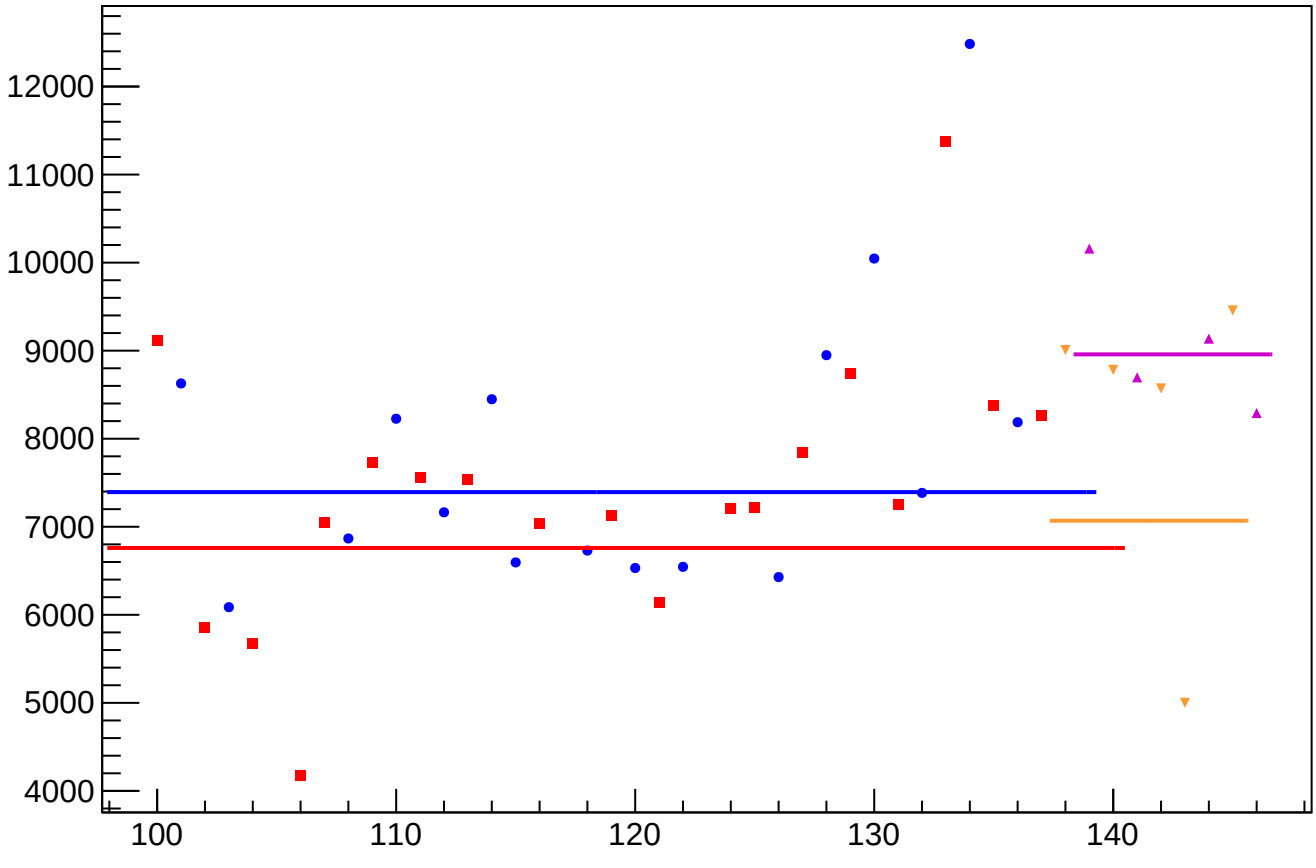
Left: 4382.228+/-2998.835 χ^2/NDF: 6.9/8

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -1221.158+/-2417.262 χ^2/NDF:15.5/19

Out: 2038.911+/-2112.650 χ^2/NDF:23.4/23

All: 627.112+/-1590.731 χ^2/NDF: 39.9/43



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7068.600+/-2.716 χ^2/NDF:542491.5/4

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 8957.895+/-3.393 χ^2/NDF:37339.6/3

Left: 7806.572+/-2.120 χ^2/NDF: 768787.7/8

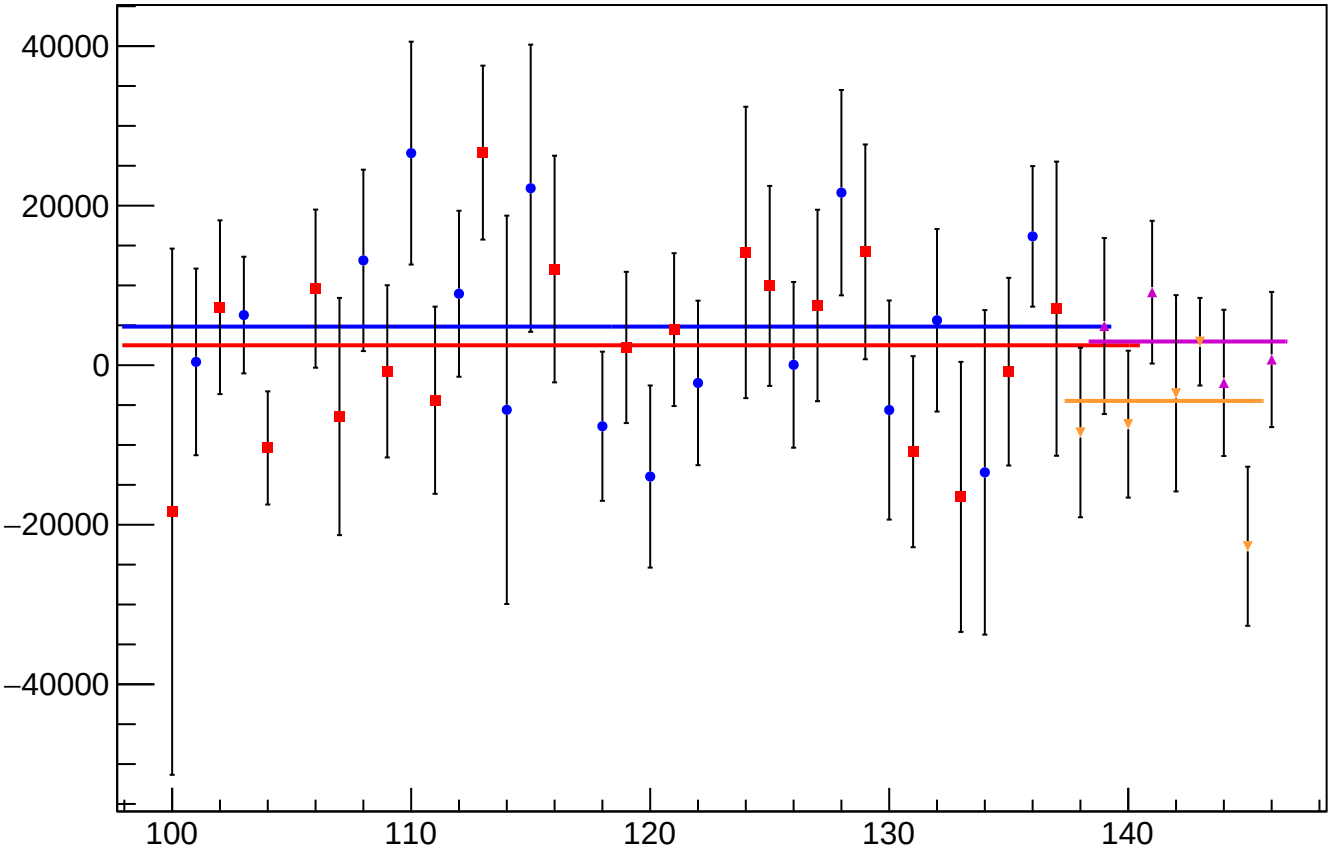
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7790.614+/-1.709 χ^2/NDF:597788.6/19

Out: 6852.925+/-1.494 χ^2/NDF:1195818.6/23

All: 7258.999+/-1.125 χ^2/NDF: 1964230.4/43

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -4476.425+/-3767.059 χ^2/NDF:5.4/4

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 2970.354+/-4634.848 χ^2/NDF:0.9/3

Left: -1514.056+/-2923.283 χ^2/NDF: 7.9/8

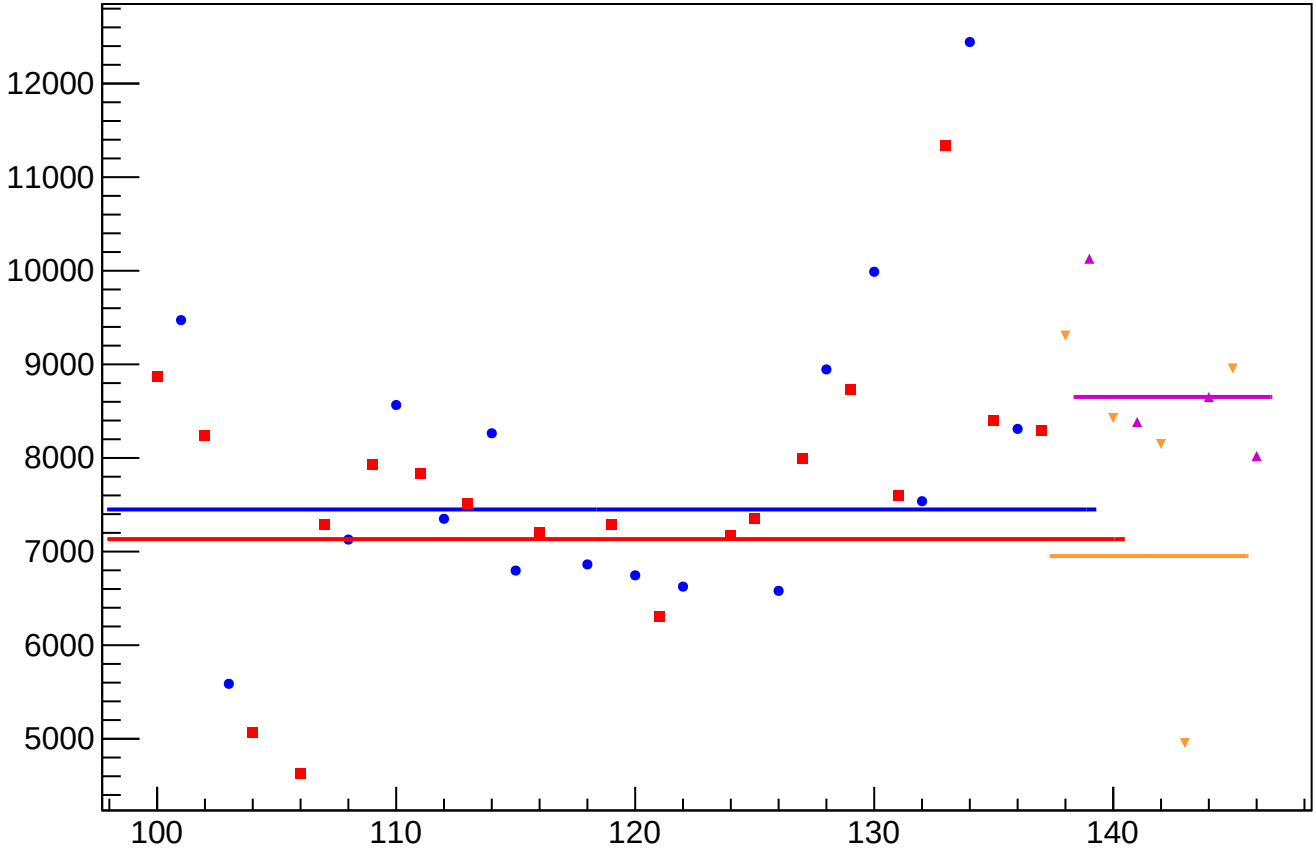
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 4330.949+/-2414.673 χ^2/NDF:15.3/19

Out: 134.815+/-2192.129 χ^2/NDF:22.6/23

All: 2030.648+/-1623.057 χ^2/NDF: 39.6/43

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 6952.076+/-2.664 χ^2/NDF:513886.3/4

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8652.168+/-3.277 χ^2/NDF:48707.2/3

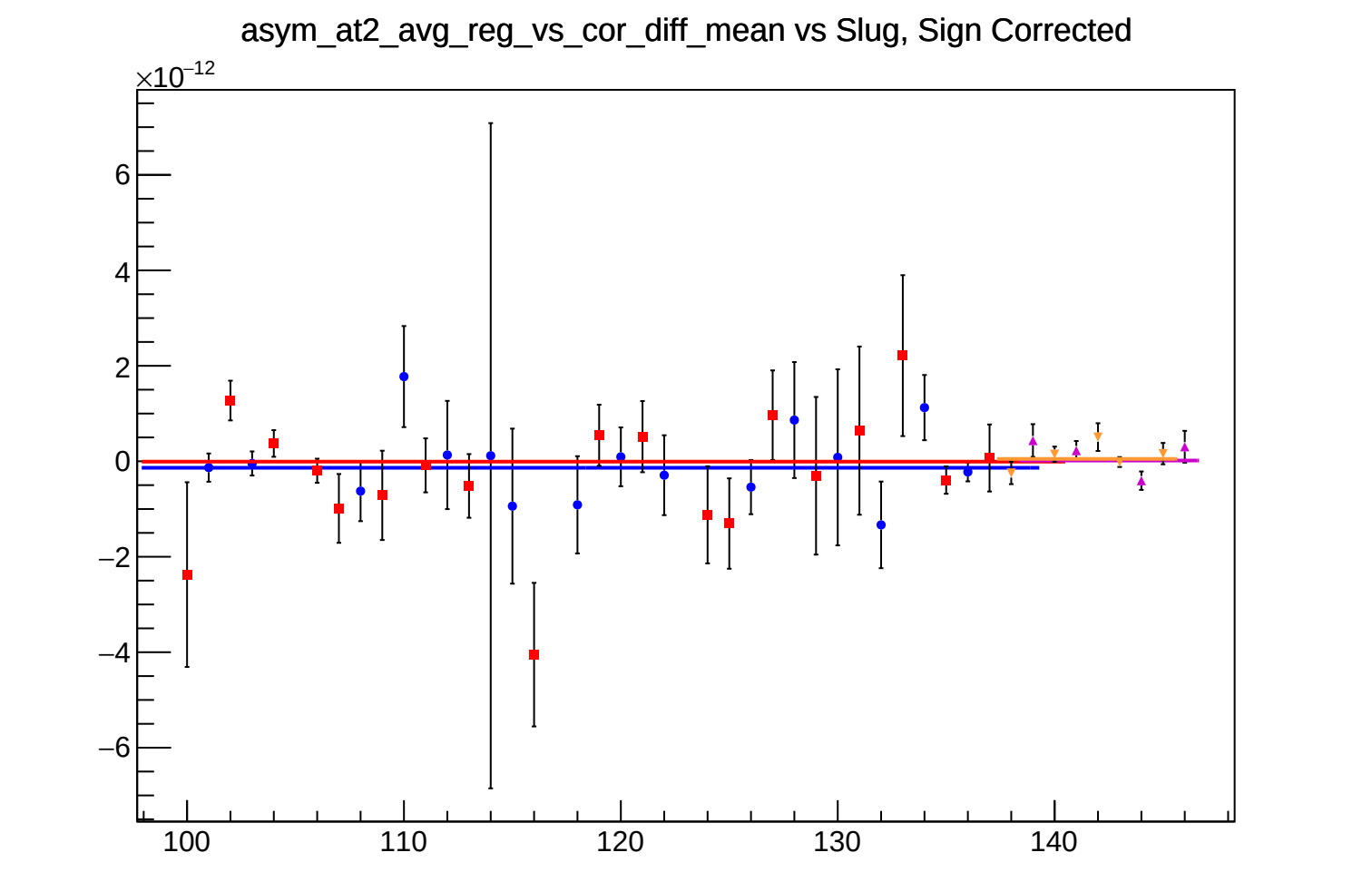
Left: 7628.382+/-2.067 χ^2/NDF: 724640.5/8

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7776.280+/-1.707 χ^2/NDF:633169.2/19

Out: 7071.815+/-1.550 χ^2/NDF:1073934.4/23

All: 7390.082+/-1.148 χ^2/NDF: 1800426.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/3

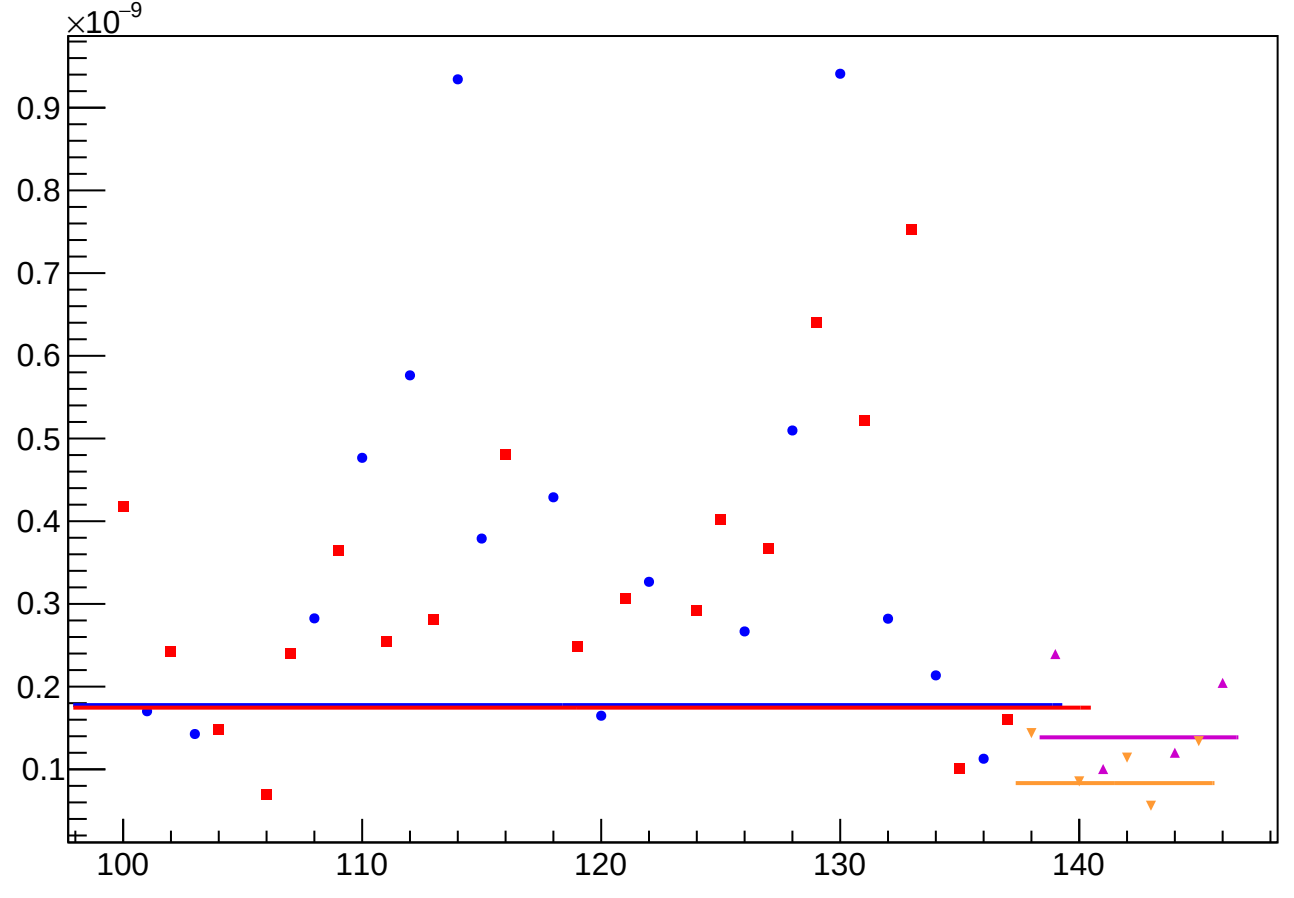
Left: 0.000+/-0.000 χ^2/NDF: 13.2/8

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:20.5/19

Out: 0.000+/-0.000 χ^2/NDF:38.0/23

All: 0.000+/-0.000 χ^2/NDF: 59.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:398965.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:341704.6/3

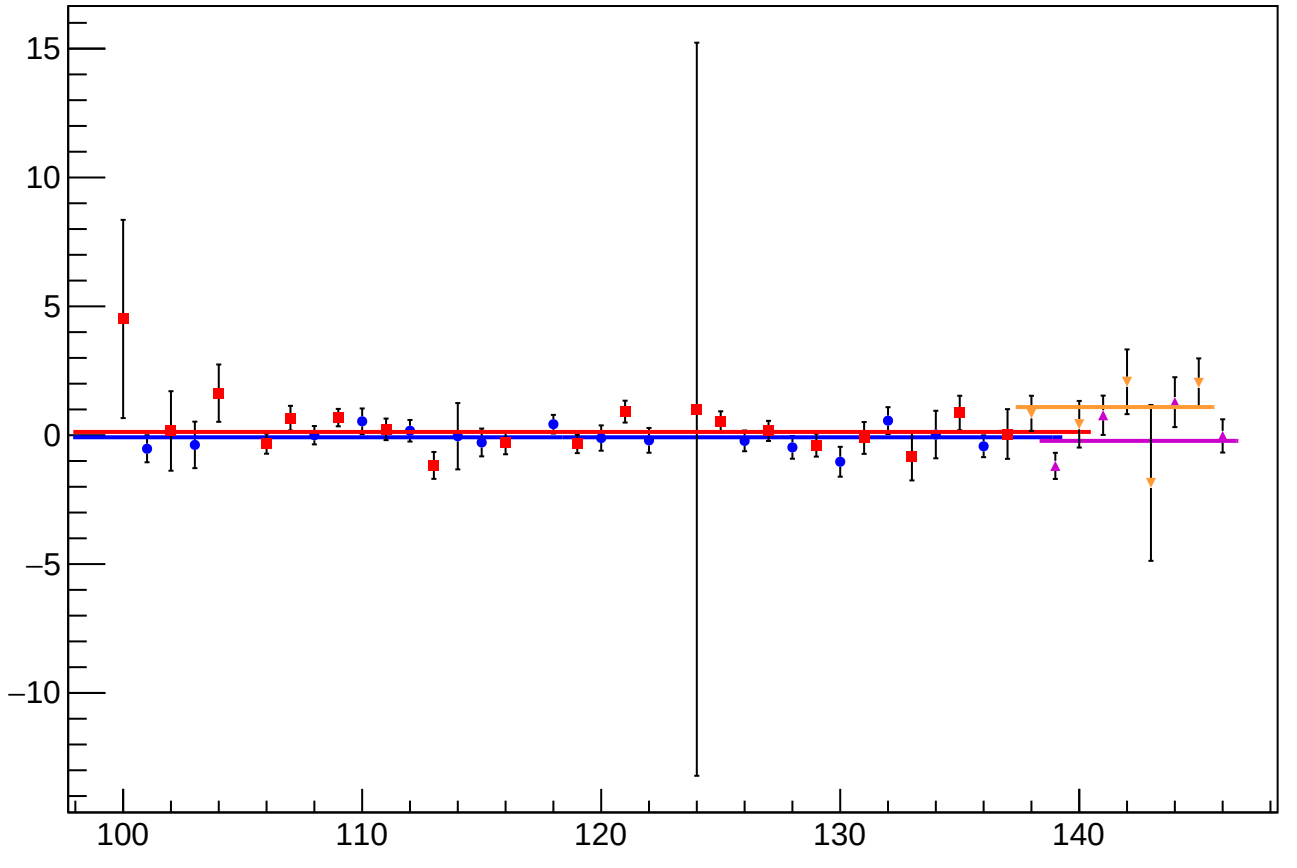
Left: 0.000+/-0.000 χ^2/NDF: 1048038.3/8

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:1977072.6/19

Out: 0.000+/-0.000 χ^2/NDF:2848895.3/23

All: 0.000+/-0.000 χ^2/NDF: 5284240.9/43



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 1.093+/-0.437 χ^2/NDF:3.2/4

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.219+/-0.332 χ^2/NDF:7.9/3

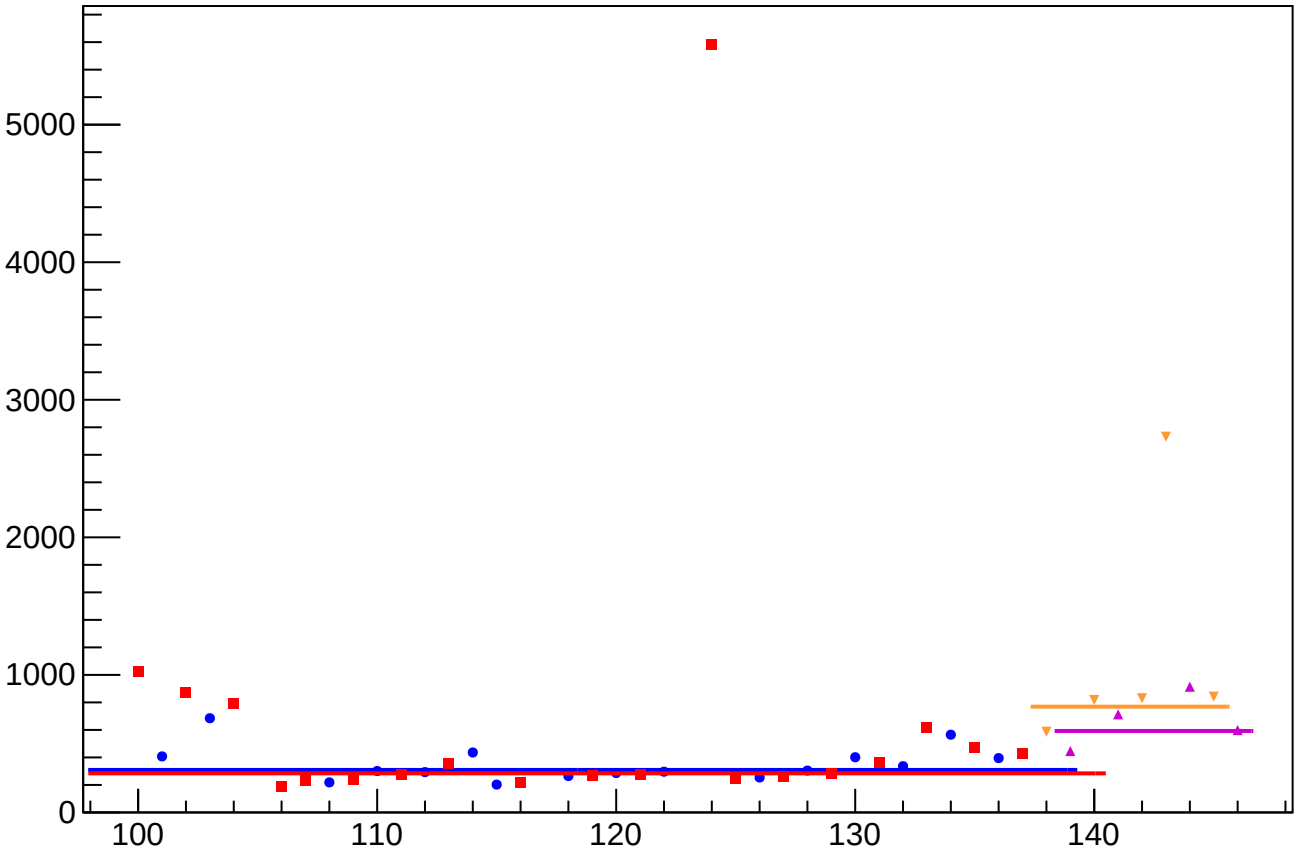
Left: 0.260+/-0.264 χ^2/NDF: 16.8/8

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.096+/-0.114 χ^2/NDF:18.8/19

Out: 0.192+/-0.113 χ^2/NDF:33.0/23

All: 0.050+/-0.080 χ^2/NDF: 55.0/43



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 769.014+/-0.309 χ^2/NDF:1008138.1/4

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 592.359+/-0.235 χ^2/NDF:437504.6/3

Left: 656.914+/-0.187 χ^2/NDF: 1652659.5/8

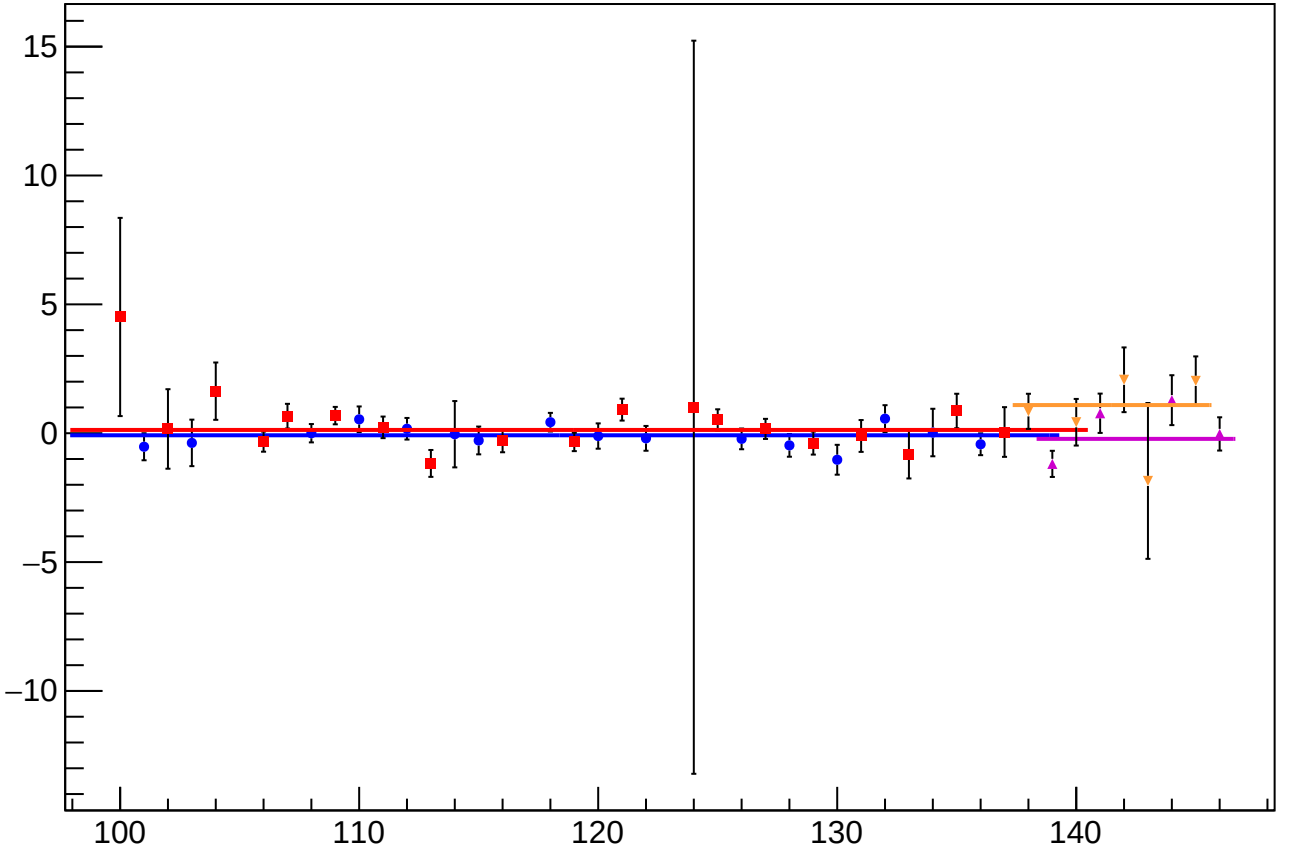
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 342.742+/-0.081 χ^2/NDF:2735685.5/19

Out: 316.516+/-0.080 χ^2/NDF:5157968.9/23

All: 329.461+/-0.057 χ^2/NDF: 7946880.1/43

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: 1.093+/-0.437 χ^2/NDF:3.2/4

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.219+/-0.332 χ^2/NDF:7.9/3

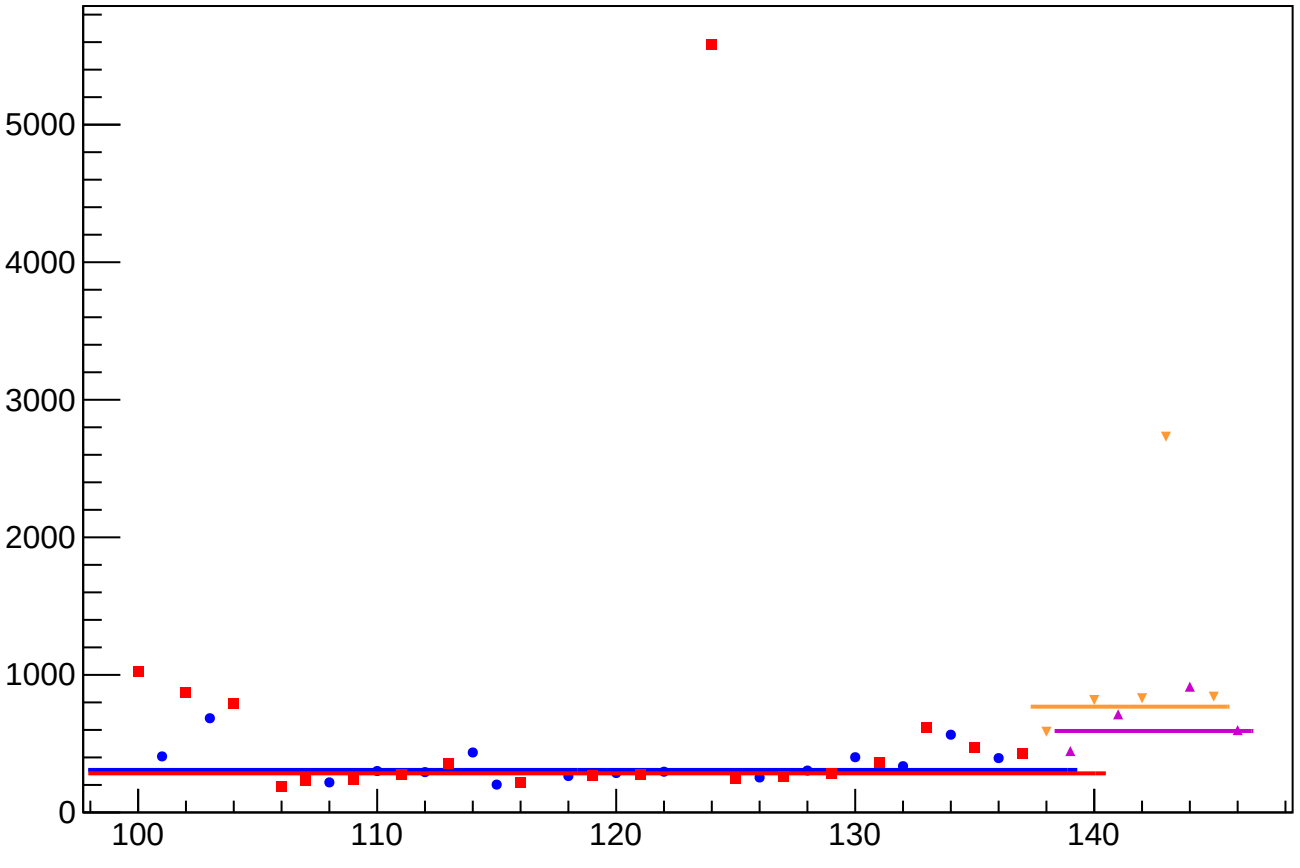
Left: 0.260+/-0.264 χ^2/NDF: 16.8/8

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.096+/-0.114 χ^2/NDF:18.8/19

Out: 0.192+/-0.113 χ^2/NDF:33.0/23

All: 0.050+/-0.080 χ^2/NDF: 55.0/43



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 769.014+/-0.309 χ^2/NDF:1008138.1/4

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 592.359+/-0.235 χ^2/NDF:437504.6/3

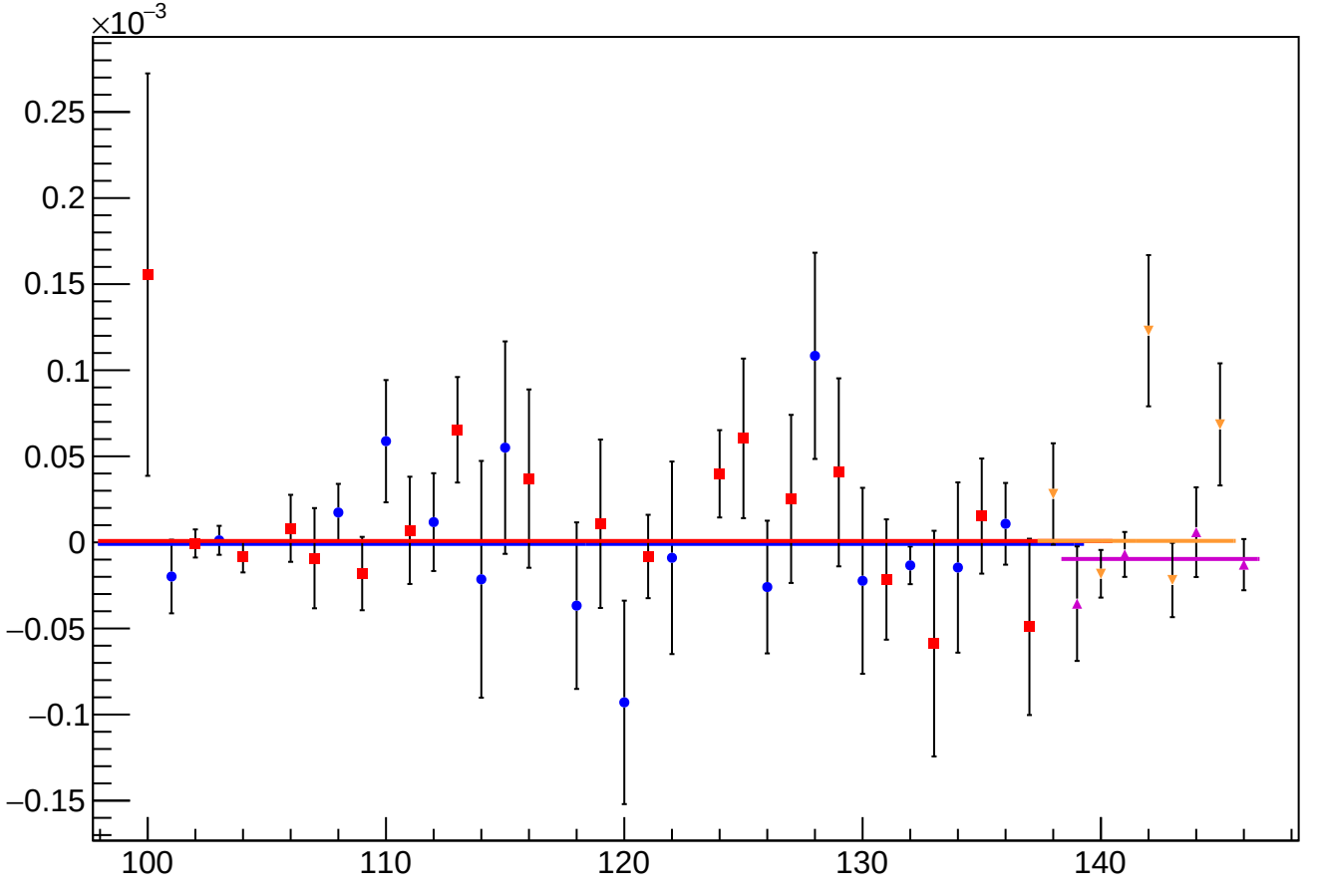
Left: 656.914+/-0.187 χ^2/NDF: 1652659.5/8

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 342.742+/-0.081 χ^2/NDF:2735685.5/19

Out: 316.516+/-0.080 χ^2/NDF:5157968.9/23

All: 329.461+/-0.057 χ^2/NDF: 7946880.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

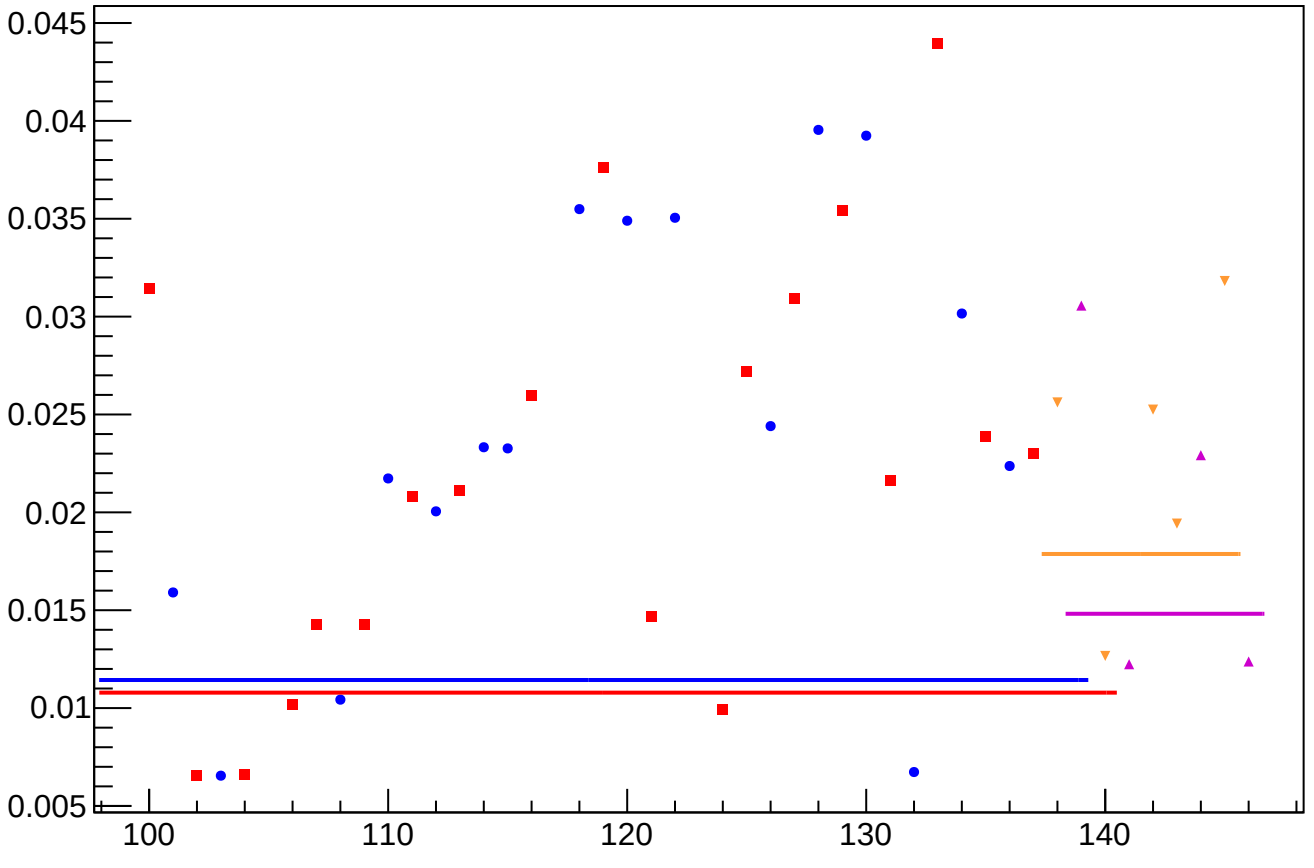
Left: -0.000+/-0.000 χ^2/NDF: 16.9/8

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:16.3/19

Out: 0.000+/-0.000 χ^2/NDF:31.4/23

All: -0.000+/-0.000 χ^2/NDF: 48.1/43



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.018+/-0.000 χ^2/NDF:797909.4/4

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.015+/-0.000 χ^2/NDF:773549.3/3

Left: 0.016+/-0.000 χ^2/NDF: 1675232.0/8

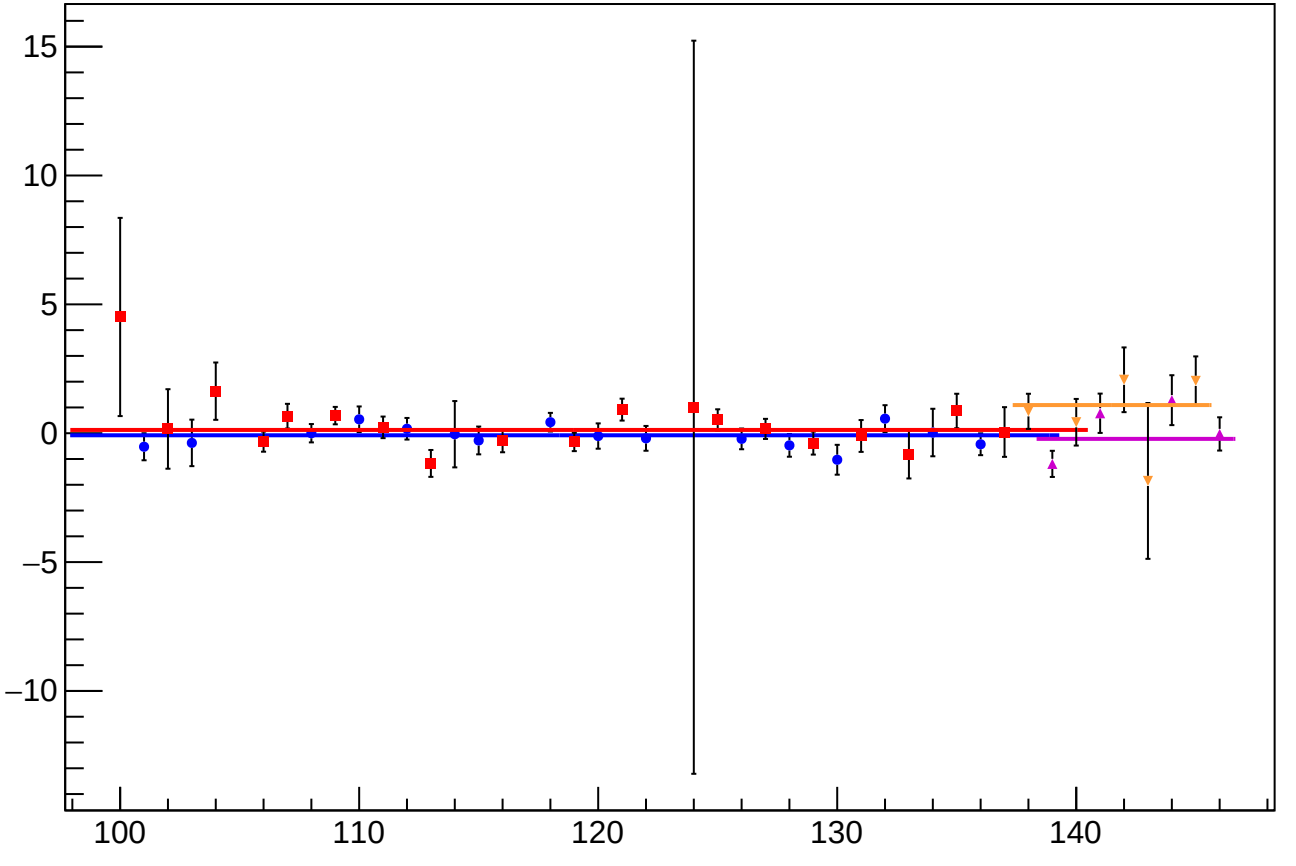
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:5688316.3/19

Out: 0.012+/-0.000 χ^2/NDF:6074098.8/23

All: 0.012+/-0.000 χ^2/NDF: 11764757.4/43

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 1.093+/-0.437 χ^2/NDF:3.2/4

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.219+/-0.332 χ^2/NDF:7.9/3

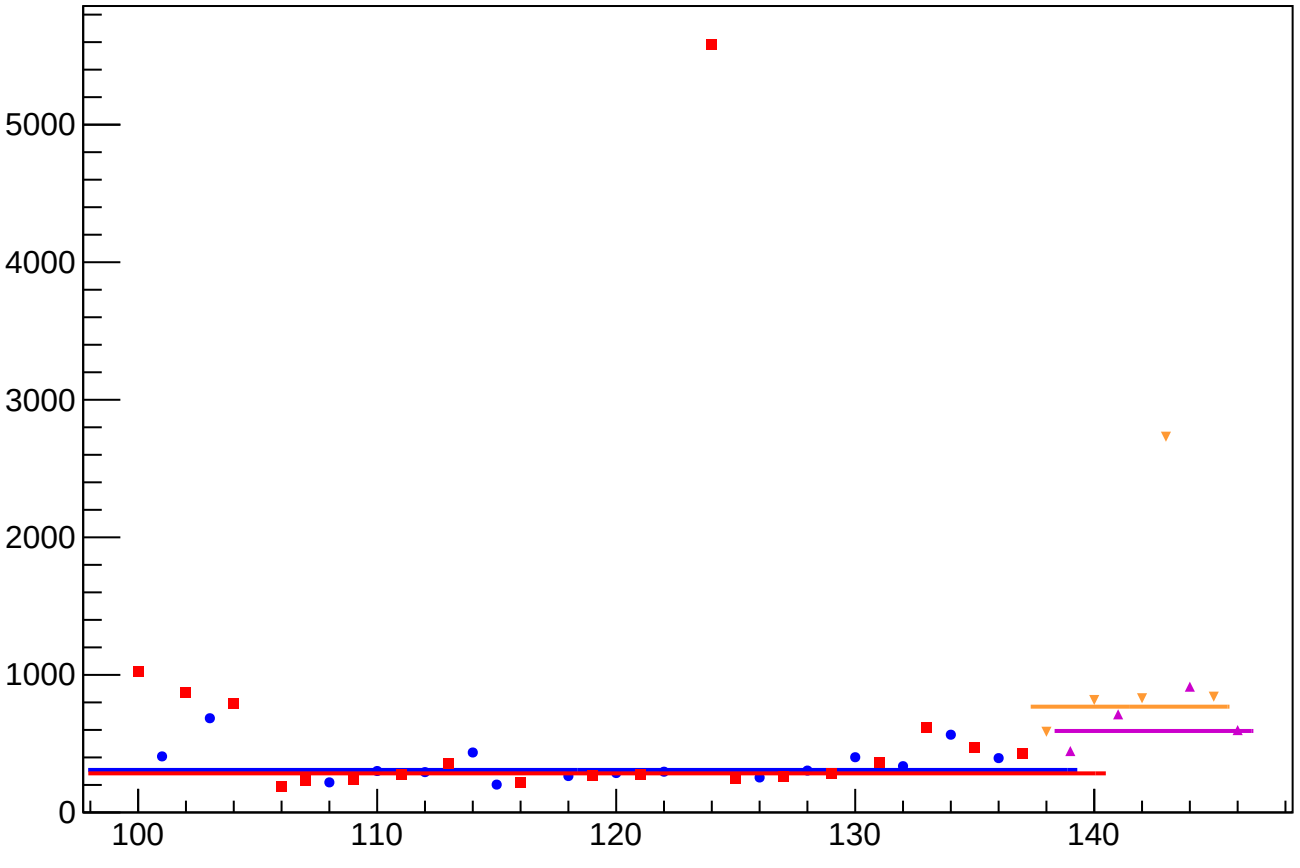
Left: 0.260+/-0.264 χ^2/NDF: 16.8/8

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.096+/-0.114 χ^2/NDF:18.8/19

Out: 0.192+/-0.113 χ^2/NDF:33.0/23

All: 0.050+/-0.080 χ^2/NDF: 55.0/43



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 769.023+/-0.309 χ^2/NDF:1008133.3/4

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.369+/-0.235 χ^2/NDF:437487.7/3

Left: 656.924+/-0.187 χ^2/NDF: 1652630.5/8

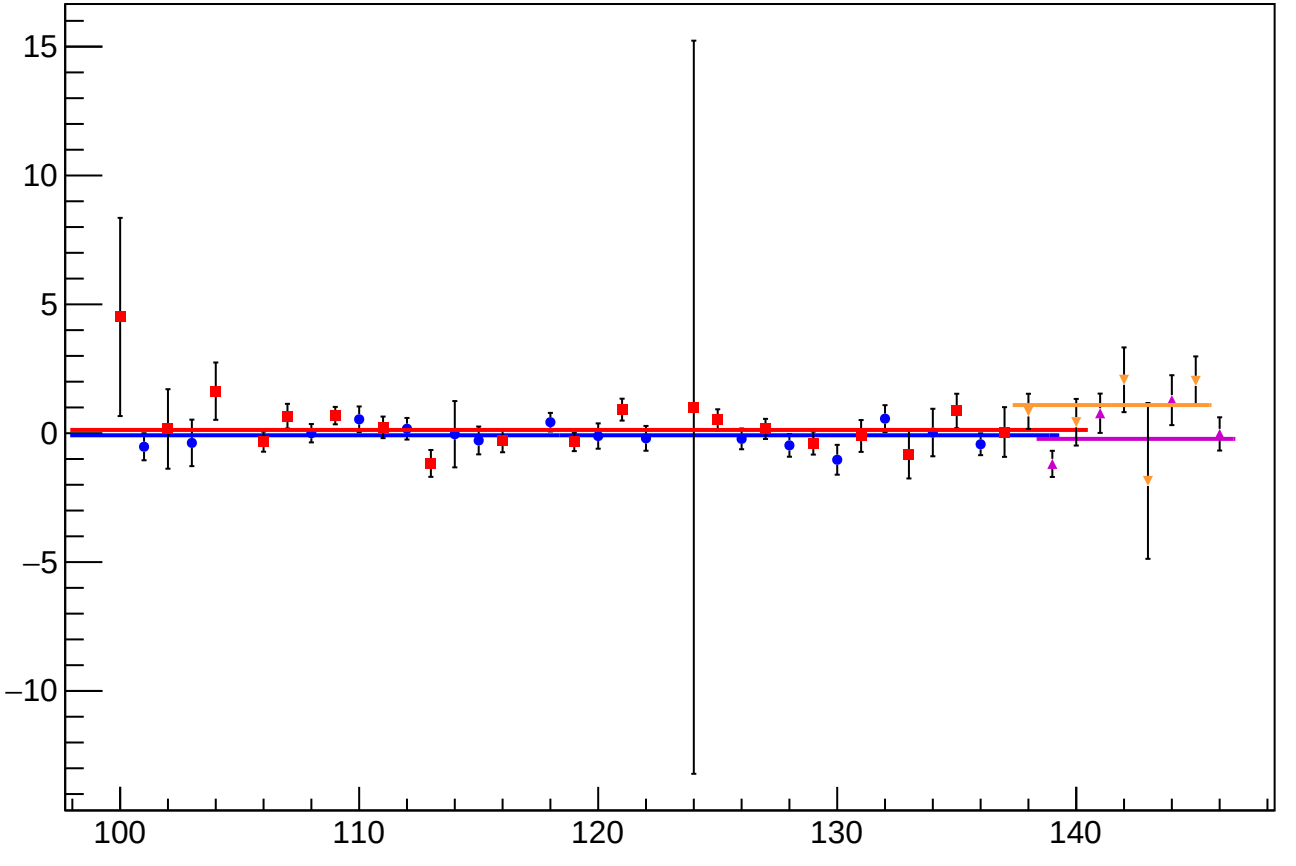
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 342.741+/-0.081 χ^2/NDF:2735699.2/19

Out: 316.515+/-0.080 χ^2/NDF:5157992.2/23

All: 329.460+/-0.057 χ^2/NDF: 7946918.2/43

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: 1.093+/-0.437 χ^2/NDF:3.2/4

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.219+/-0.332 χ^2/NDF:7.9/3

Left: 0.260+/-0.264 χ^2/NDF: 16.8/8

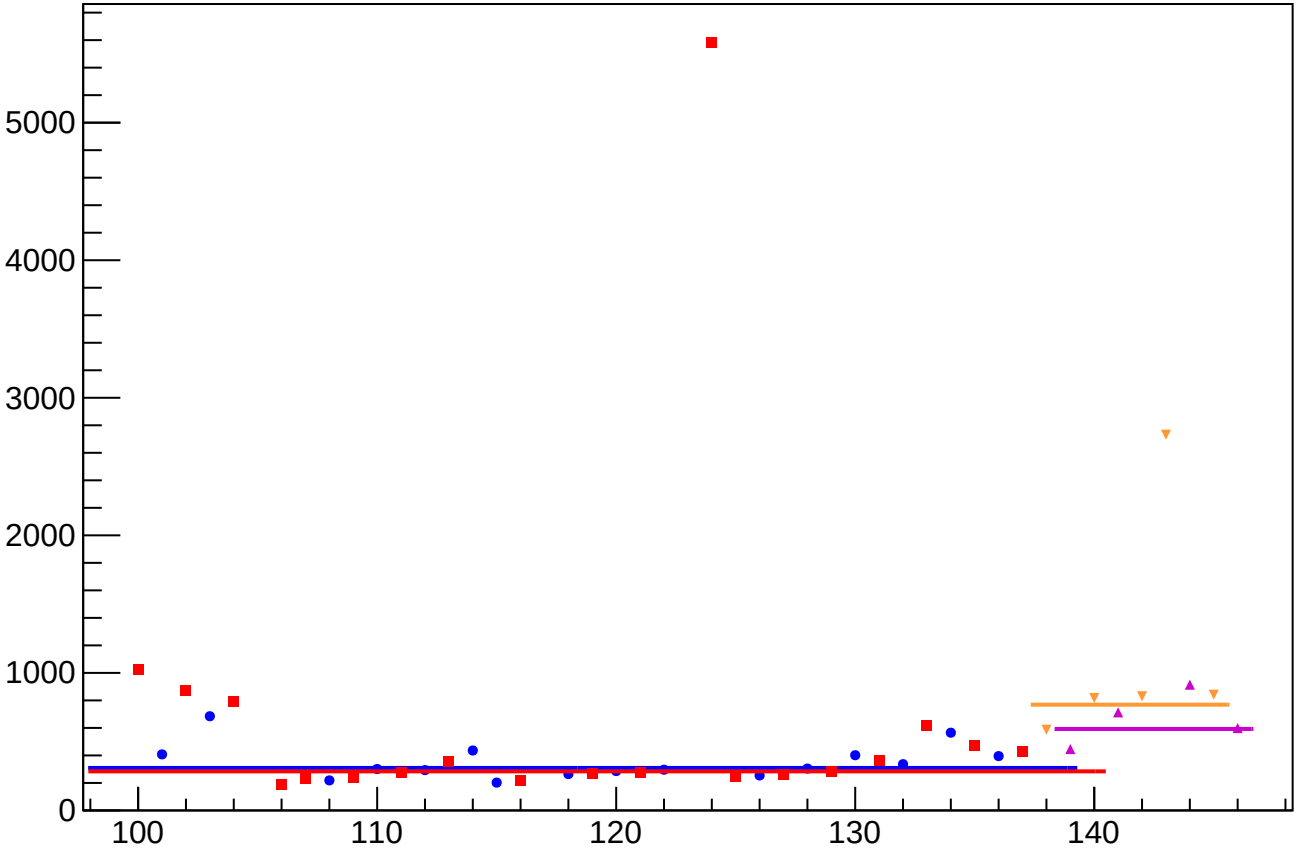
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.096+/-0.114 χ^2/NDF:18.8/19

Out: 0.192+/-0.113 χ^2/NDF:33.0/23

All: 0.050+/-0.080 χ^2/NDF: 55.0/43

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 769.023+/-0.309 χ^2/NDF:1008133.3/4

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.369+/-0.235 χ^2/NDF:437487.7/3

Left: 656.924+/-0.187 χ^2/NDF: 1652630.5/8

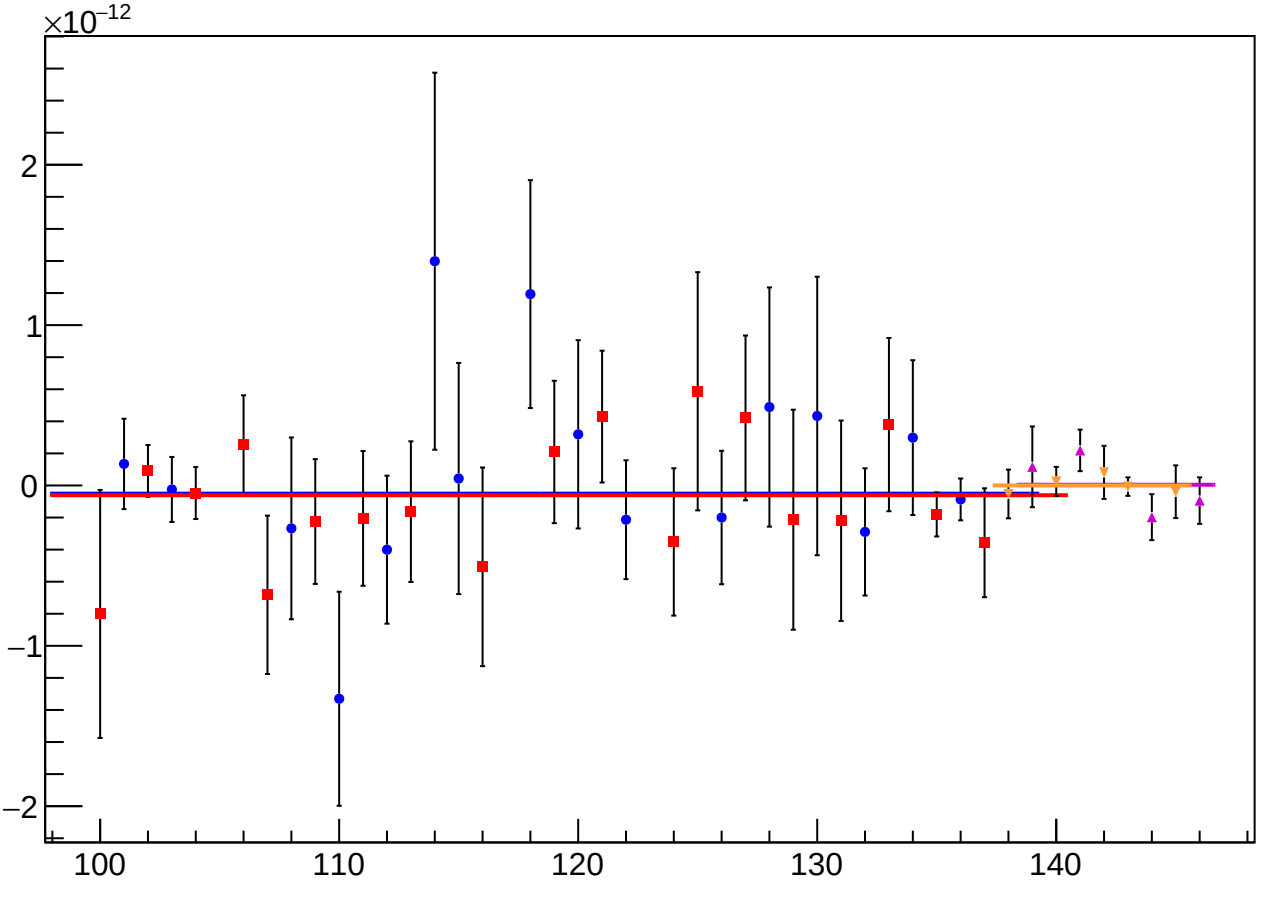
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 342.741+/-0.081 χ^2/NDF:2735699.2/19

Out: 316.515+/-0.080 χ^2/NDF:5157992.2/23

All: 329.460+/-0.057 χ^2/NDF: 7946918.2/43

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/3

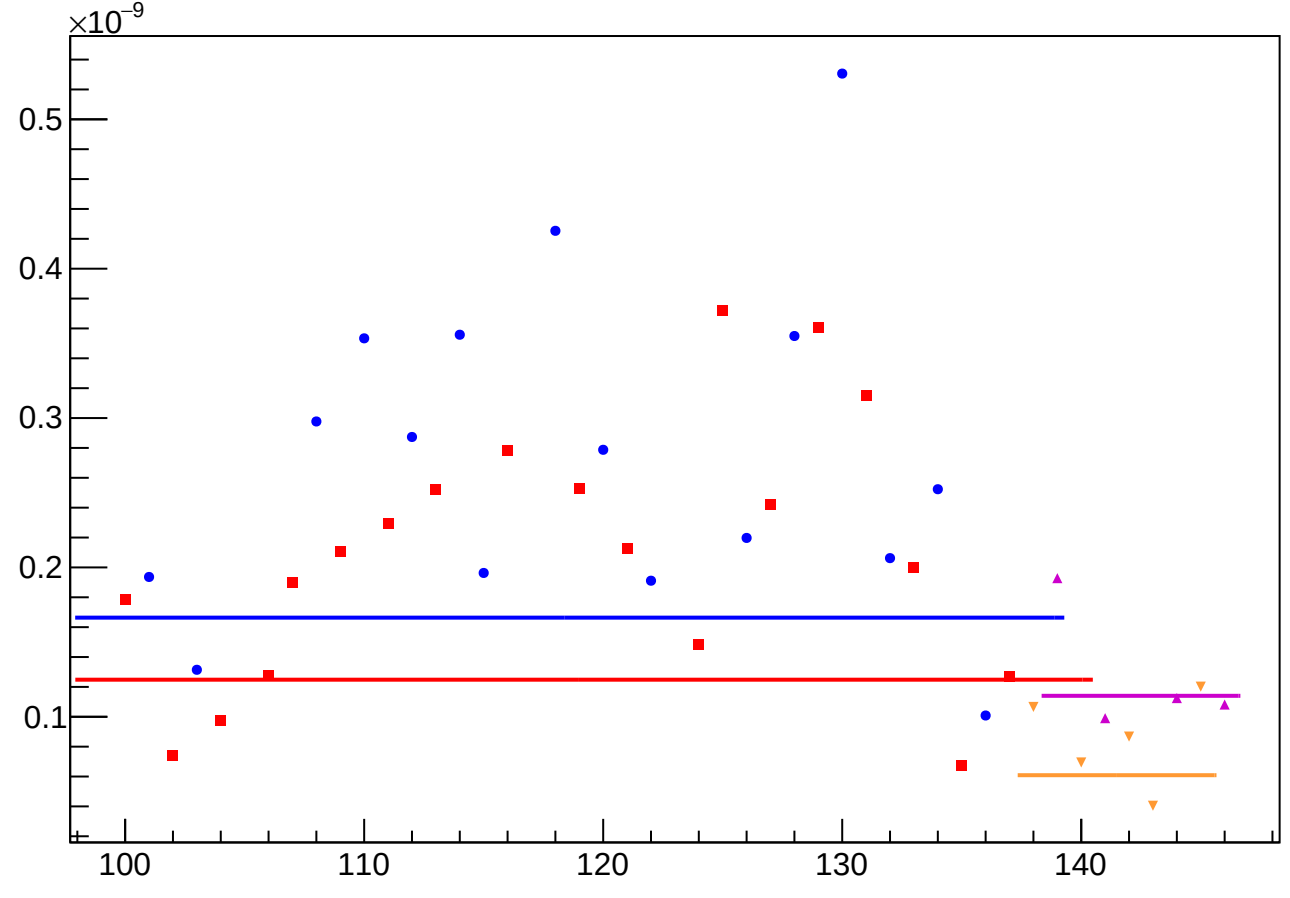
Left: 0.000+/-0.000 χ^2/NDF: 5.9/8

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:17.6/19

Out: -0.000+/-0.000 χ^2/NDF:12.5/23

All: -0.000+/-0.000 χ^2/NDF: 30.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:758749.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:226329.9/3

Left: 0.000+/-0.000 χ^2/NDF: 1720724.2/8

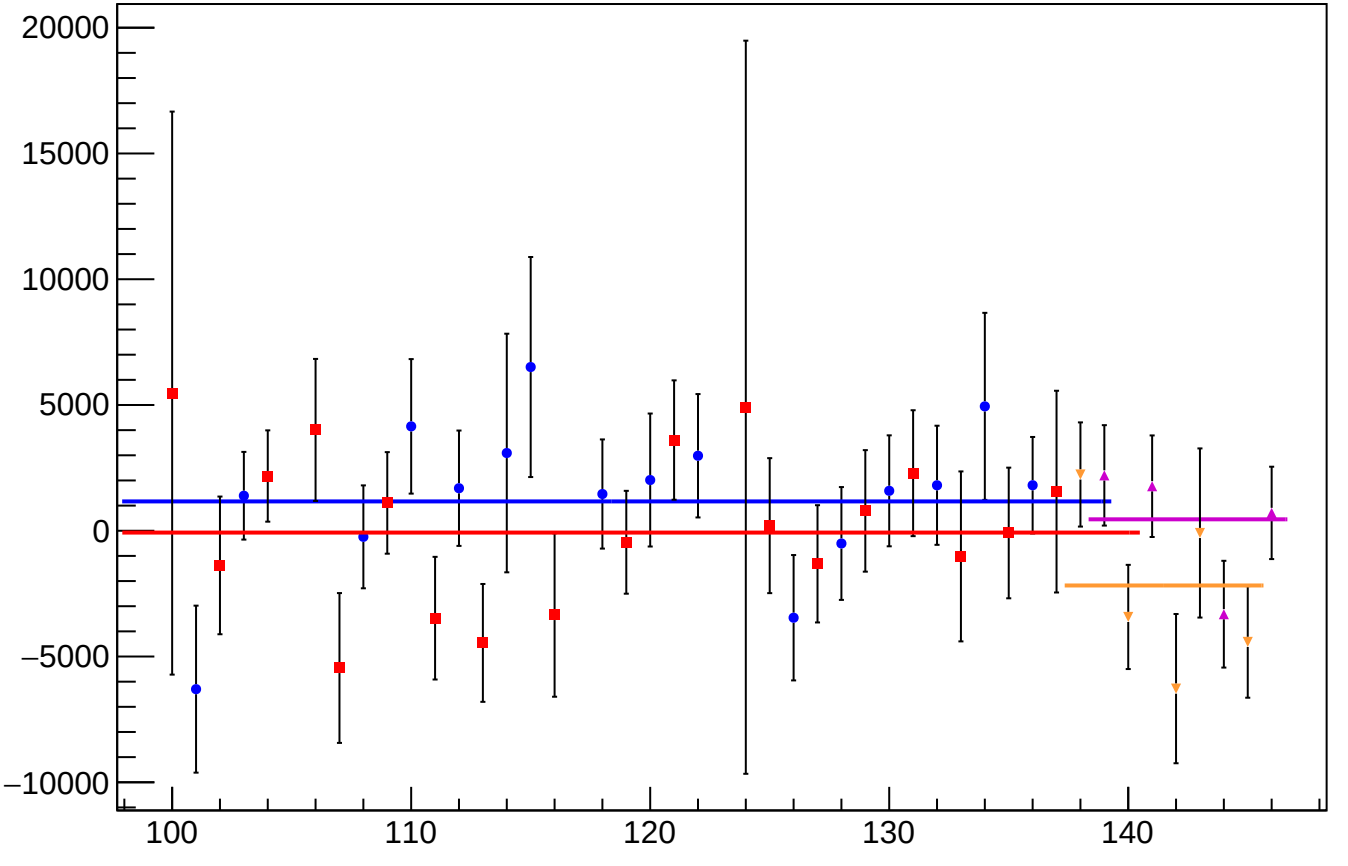
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:2633412.8/19

Out: 0.000+/-0.000 χ^2/NDF:4177513.6/23

All: 0.000+/-0.000 χ^2/NDF: 8345043.2/43

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -2175.299+/-1071.256 χ^2/NDF:8.2/4

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 454.557+/-992.669 χ^2/NDF:4.4/3

Left: -760.380+/-728.122 χ^2/NDF: 15.8/8

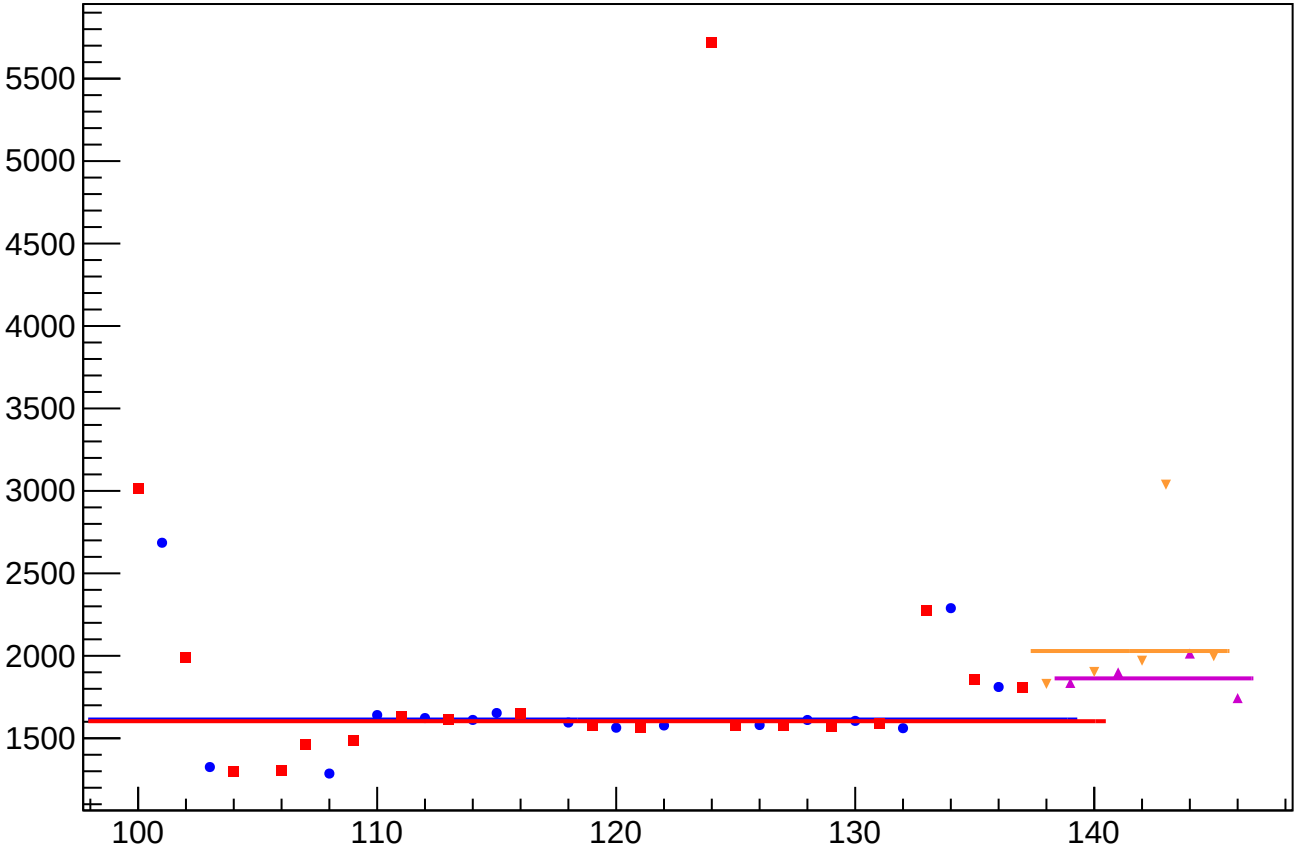
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 971.998+/-519.203 χ^2/NDF:19.2/19

Out: -578.672+/-525.712 χ^2/NDF:29.4/23

All: 206.322+/-369.411 χ^2/NDF: 53.0/43

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 2029.063+/-0.757 χ^2/NDF:207268.5/4

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

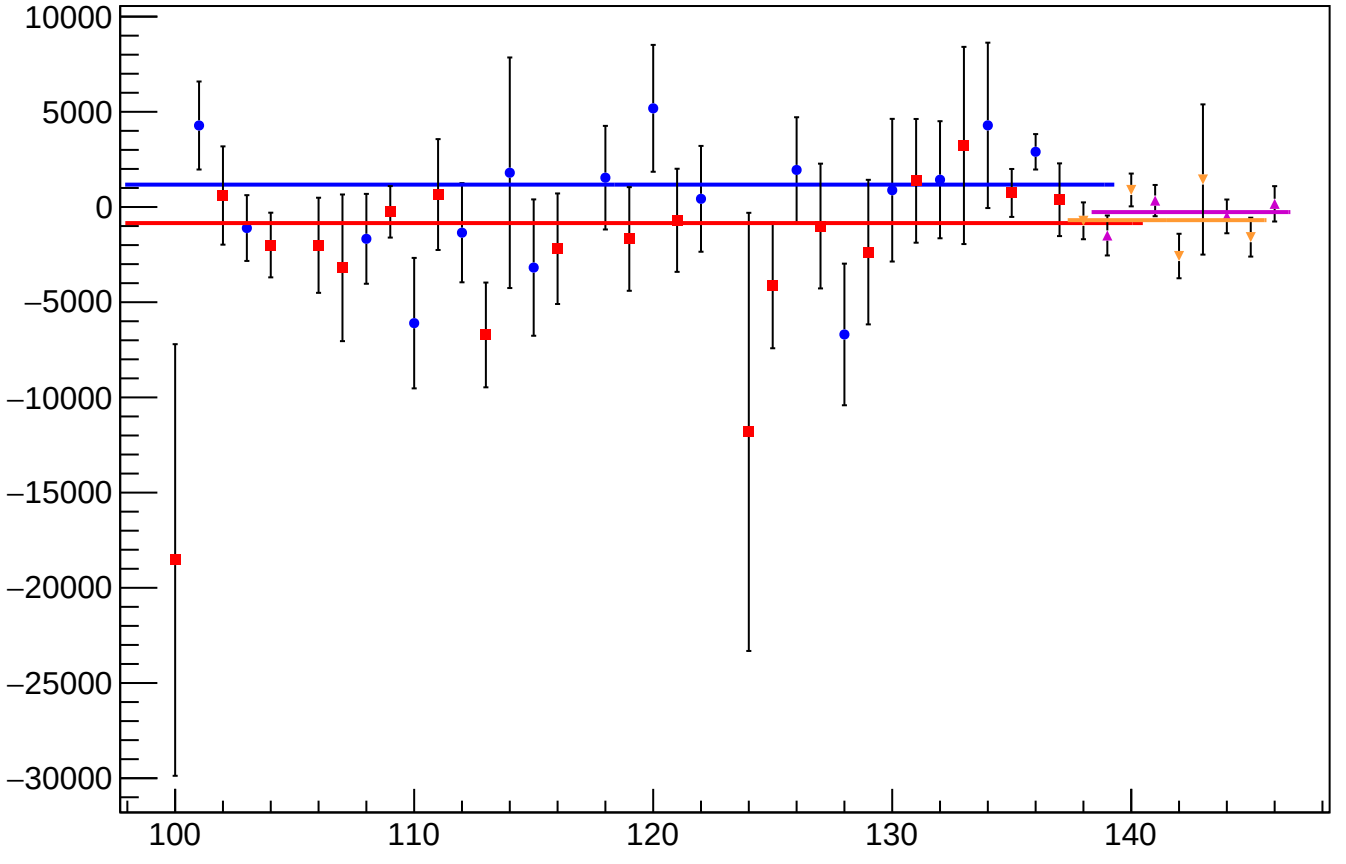
Left: 1939.812+/-0.515 χ^2/NDF: 252630.1/8

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1681.929+/-0.367 χ^2/NDF:516030.6/19

Out: 1705.960+/-0.372 χ^2/NDF:872715.9/23

All: 1693.795+/-0.261 χ^2/NDF: 1390862.1/43



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: -690.047+/-489.580 χ^2/NDF:7.0/4

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -266.878+/-455.296 χ^2/NDF:2.2/3

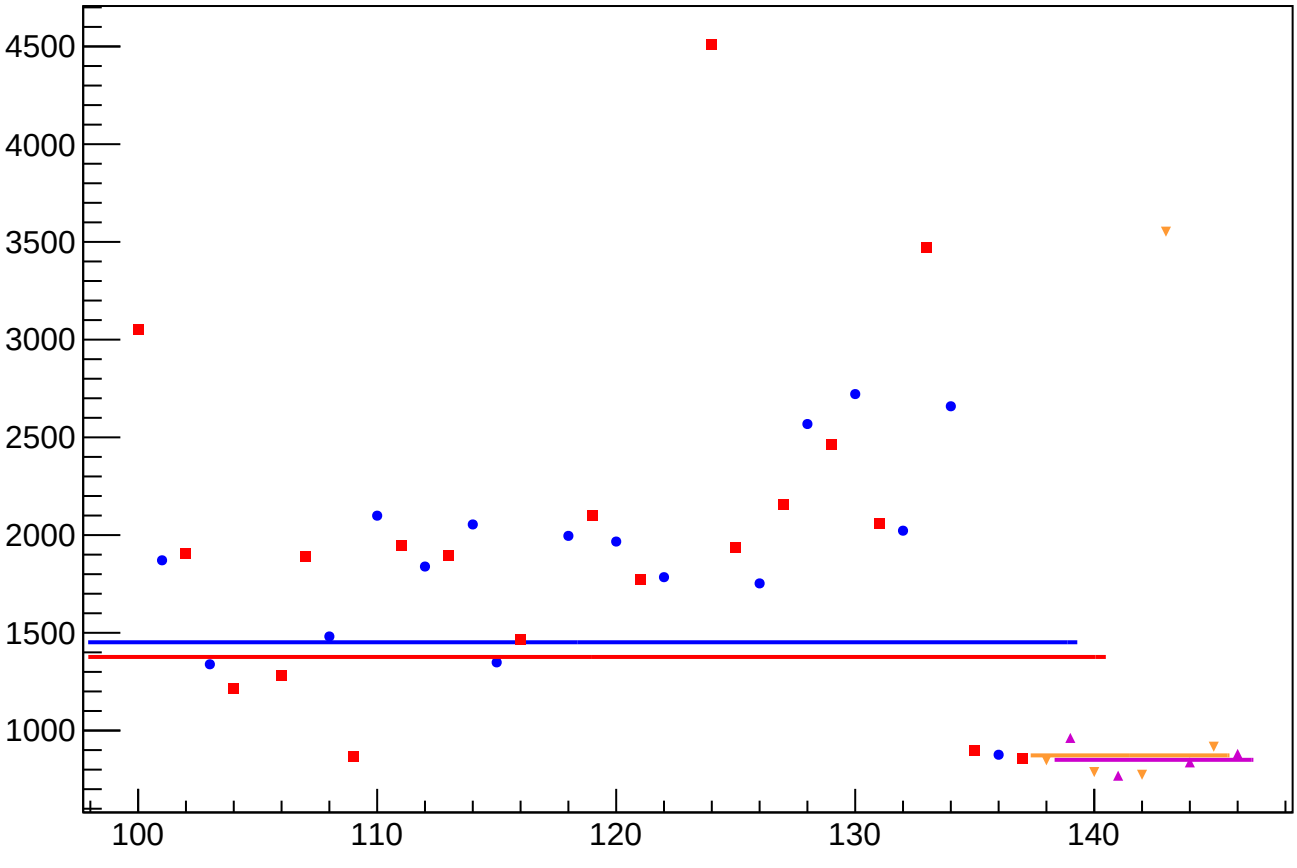
Left: -463.128+/-333.405 χ^2/NDF: 9.6/8

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 284.151+/-357.912 χ^2/NDF:28.0/19

Out: -757.025+/-367.850 χ^2/NDF:21.4/23

All: -222.182+/-256.523 χ^2/NDF: 53.5/43



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 872.881+/-0.346 χ^2/NDF:961691.2/4

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 850.176+/-0.322 χ^2/NDF:44934.1/3

Left: 860.706+/-0.236 χ^2/NDF: 1008931.8/8

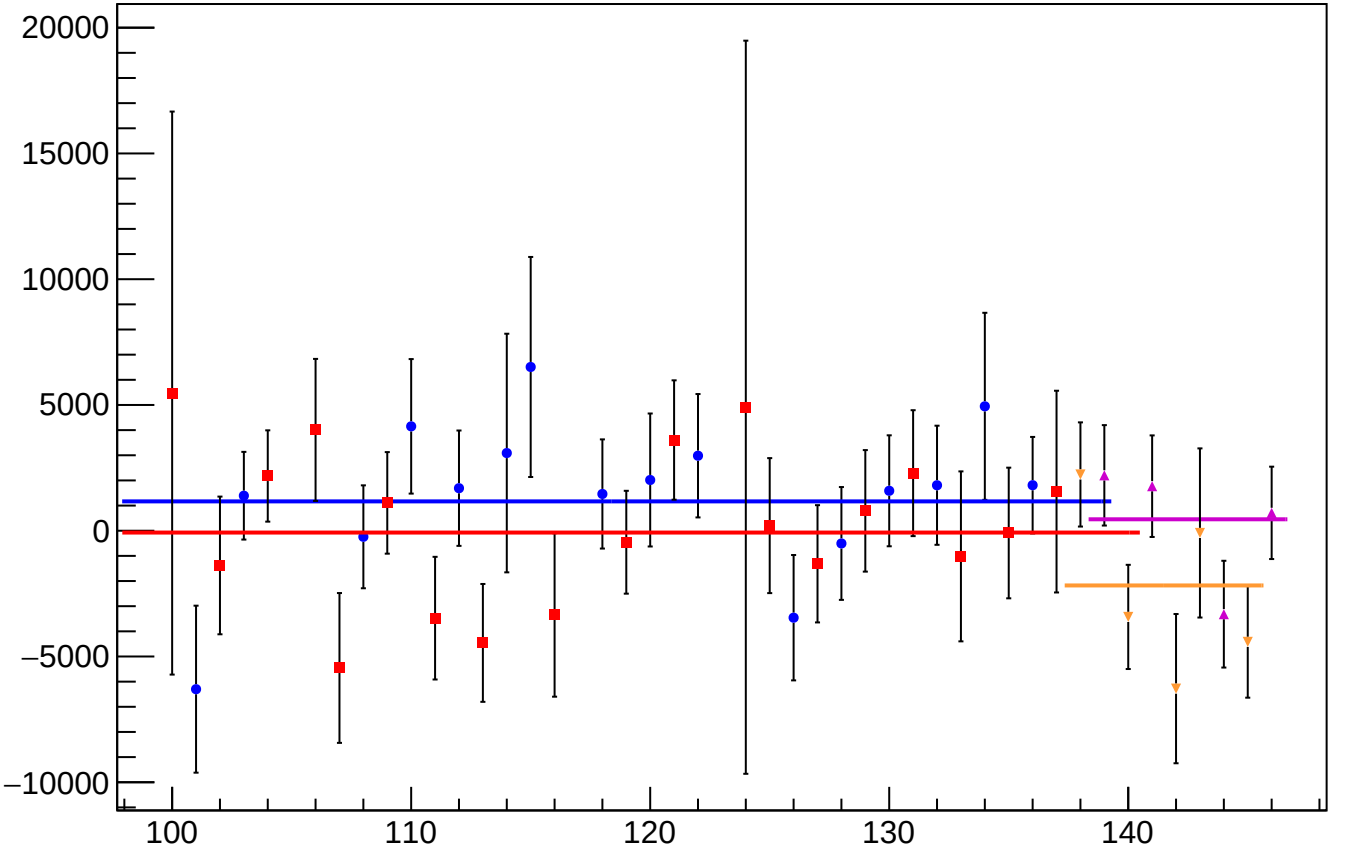
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1079.952+/-0.253 χ^2/NDF:3169142.2/19

Out: 1092.174+/-0.260 χ^2/NDF:4015217.0/23

All: 1085.896+/-0.181 χ^2/NDF: 7185493.2/43

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -2175.456+/-1071.256 χ^2/NDF:8.2/4

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 454.694+/-992.669 χ^2/NDF:4.4/3

Left: -760.379+/-728.122 χ^2/NDF: 15.8/8

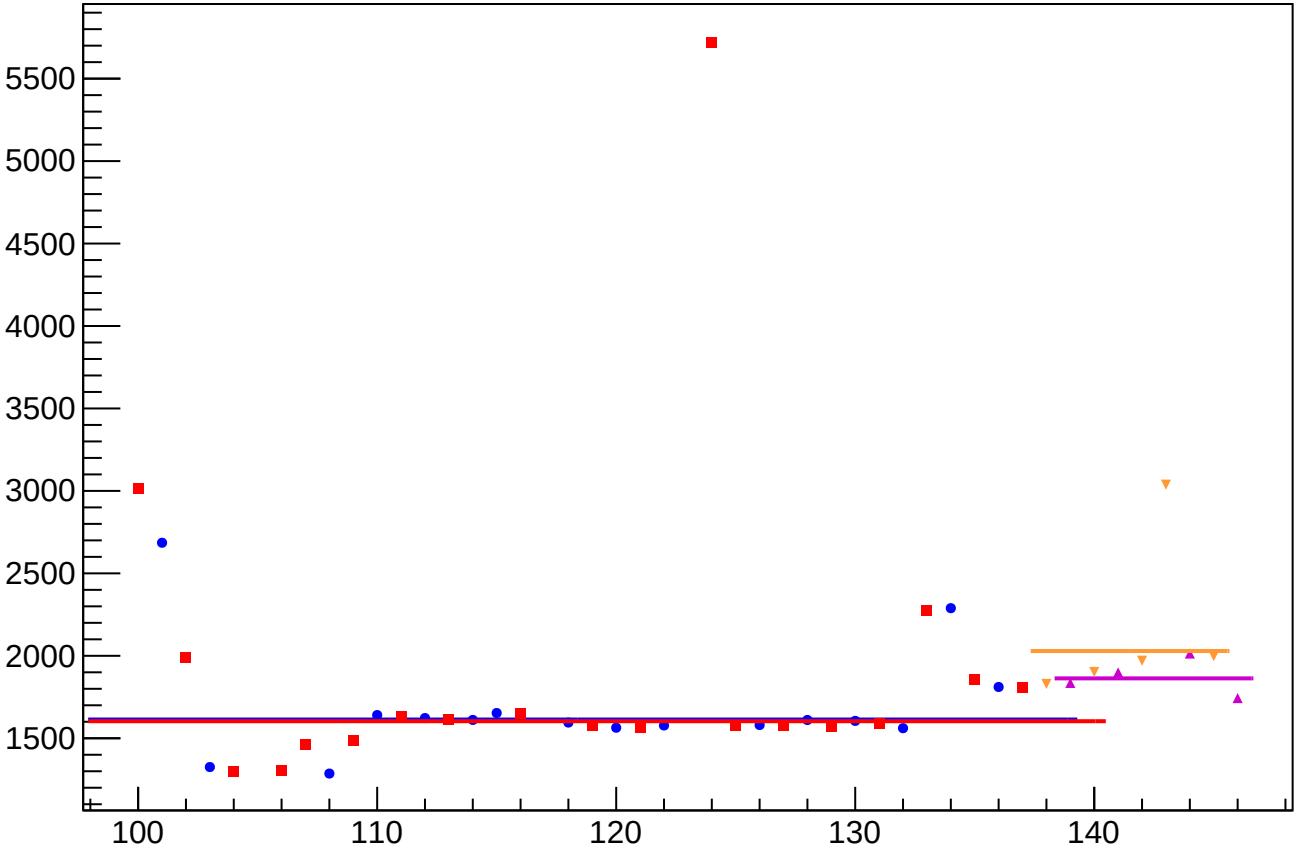
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 971.969+/-519.203 χ^2/NDF:19.2/19

Out: -578.952+/-525.712 χ^2/NDF:29.4/23

All: 206.169+/-369.412 χ^2/NDF: 53.0/43

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 2029.063+/-0.757 χ^2/NDF:207268.5/4

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

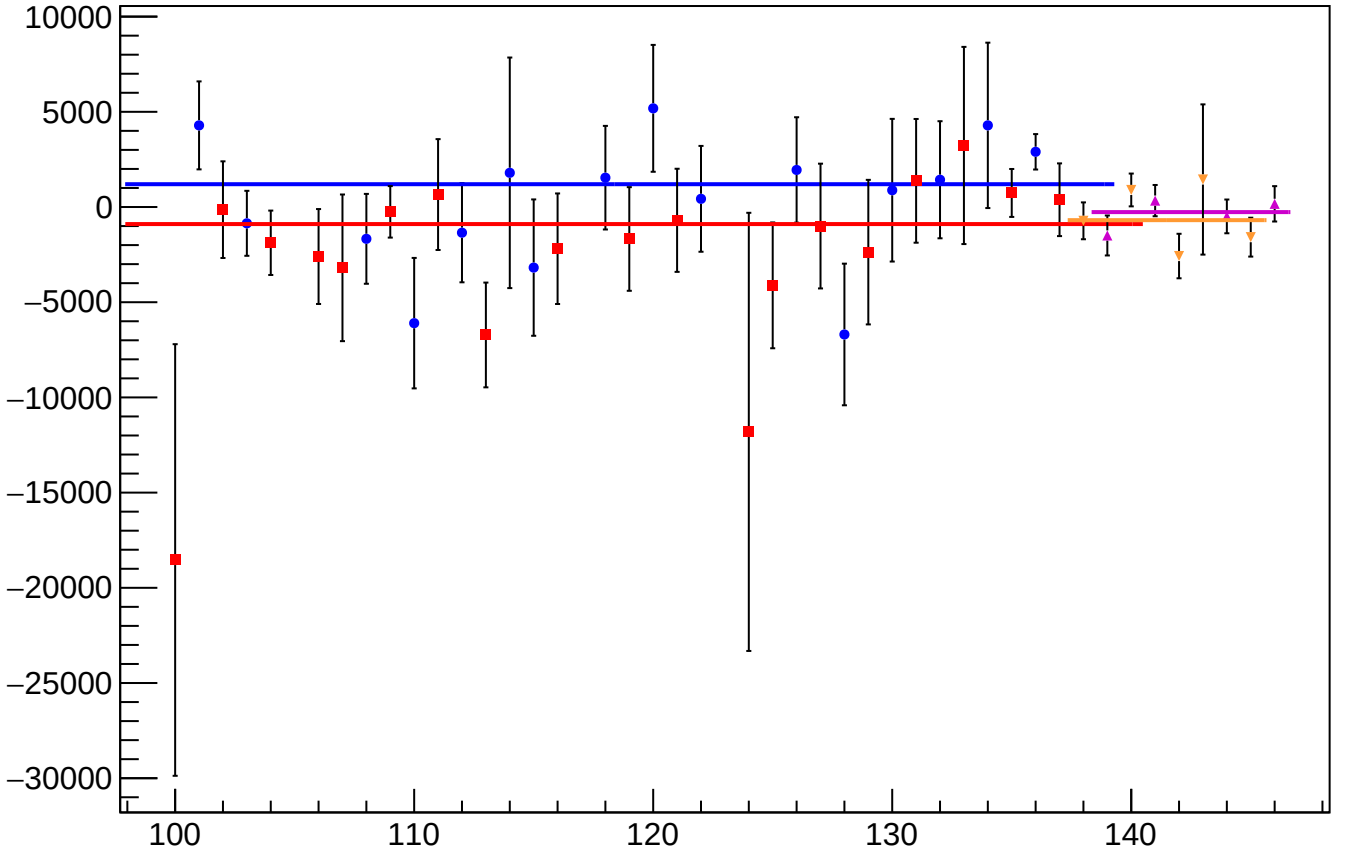
Left: 1939.812+/-0.515 χ^2/NDF: 252630.2/8

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1681.929+/-0.367 χ^2/NDF:516031.0/19

Out: 1705.960+/-0.372 χ^2/NDF:872716.1/23

All: 1693.795+/-0.261 χ^2/NDF: 1390862.6/43



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: -689.945+/-489.595 χ^2/NDF:7.1/4

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -266.968+/-455.292 χ^2/NDF:2.2/3

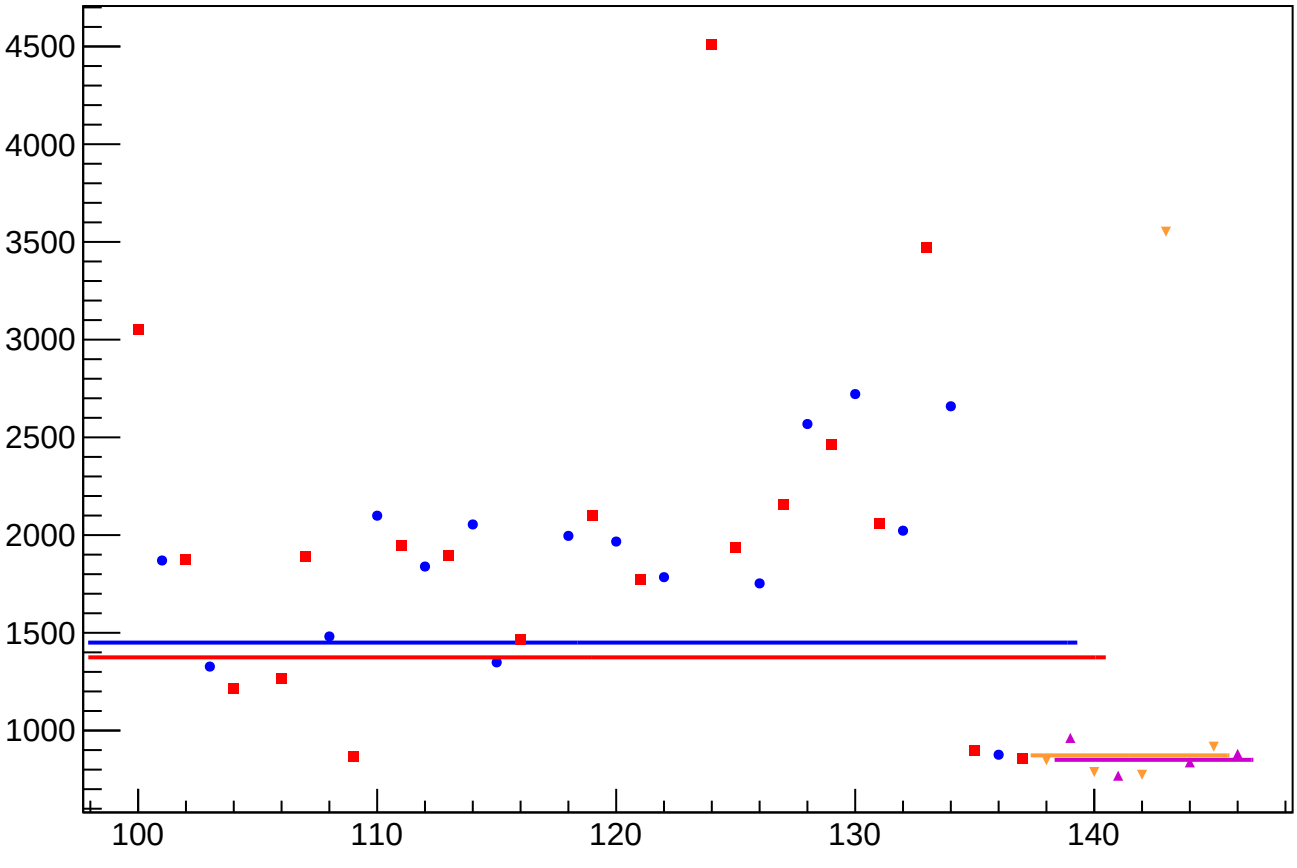
Left: -463.121+/-333.408 χ^2/NDF: 9.6/8

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 293.805+/-357.715 χ^2/NDF:27.8/19

Out: -779.583+/-367.634 χ^2/NDF:21.3/23

All: -228.214+/-256.378 χ^2/NDF: 53.5/43



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 872.911+/-0.346 χ^2/NDF:961655.4/4

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 850.167+/-0.322 χ^2/NDF:44950.0/3

Left: 860.714+/-0.236 χ^2/NDF: 1008920.0/8

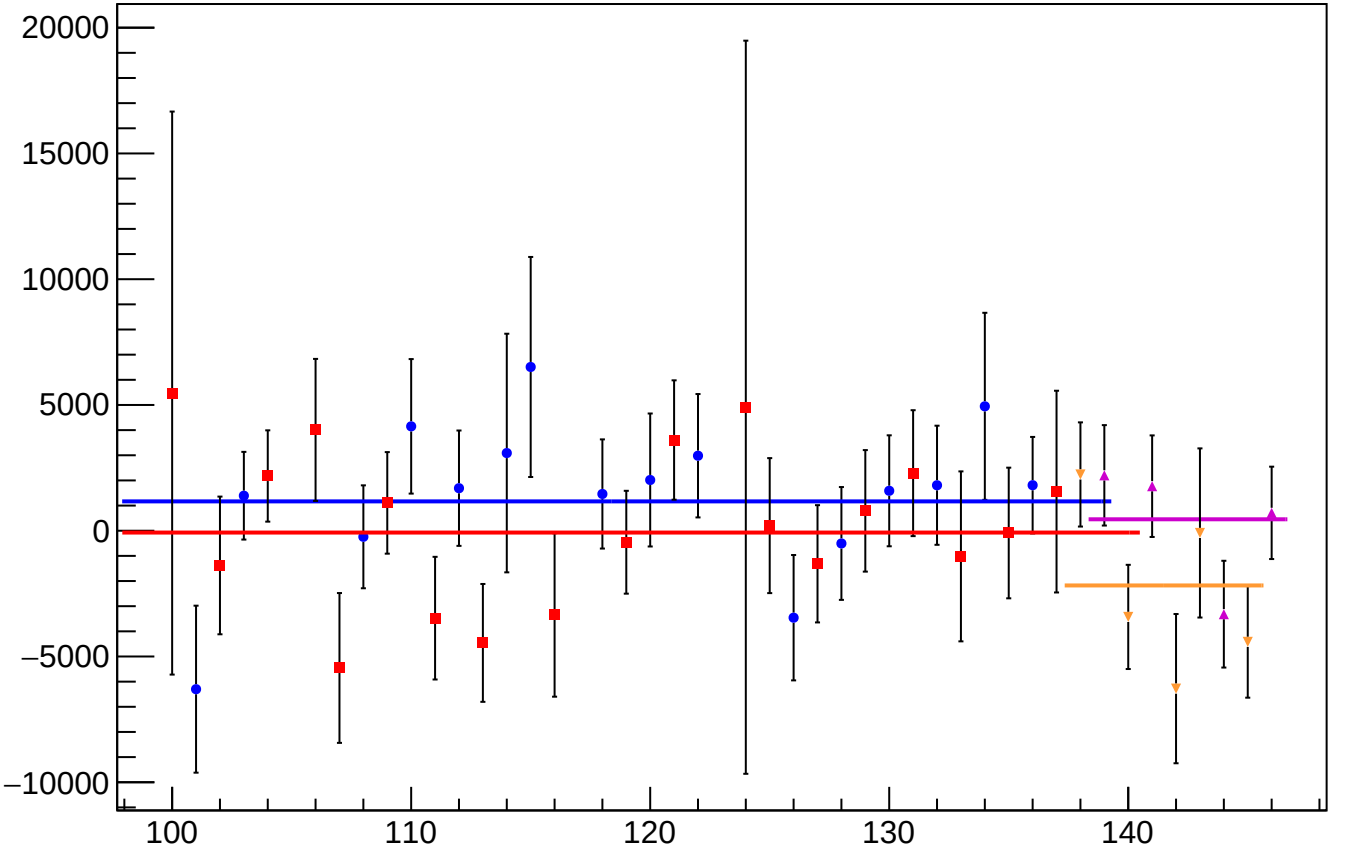
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1079.700+/-0.253 χ^2/NDF:3165877.7/19

Out: 1091.655+/-0.260 χ^2/NDF:4004698.8/23

All: 1085.514+/-0.181 χ^2/NDF: 7171663.0/43

eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -2175.456+/-1071.256 χ^2/NDF:8.2/4

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 454.694+/-992.669 χ^2/NDF:4.4/3

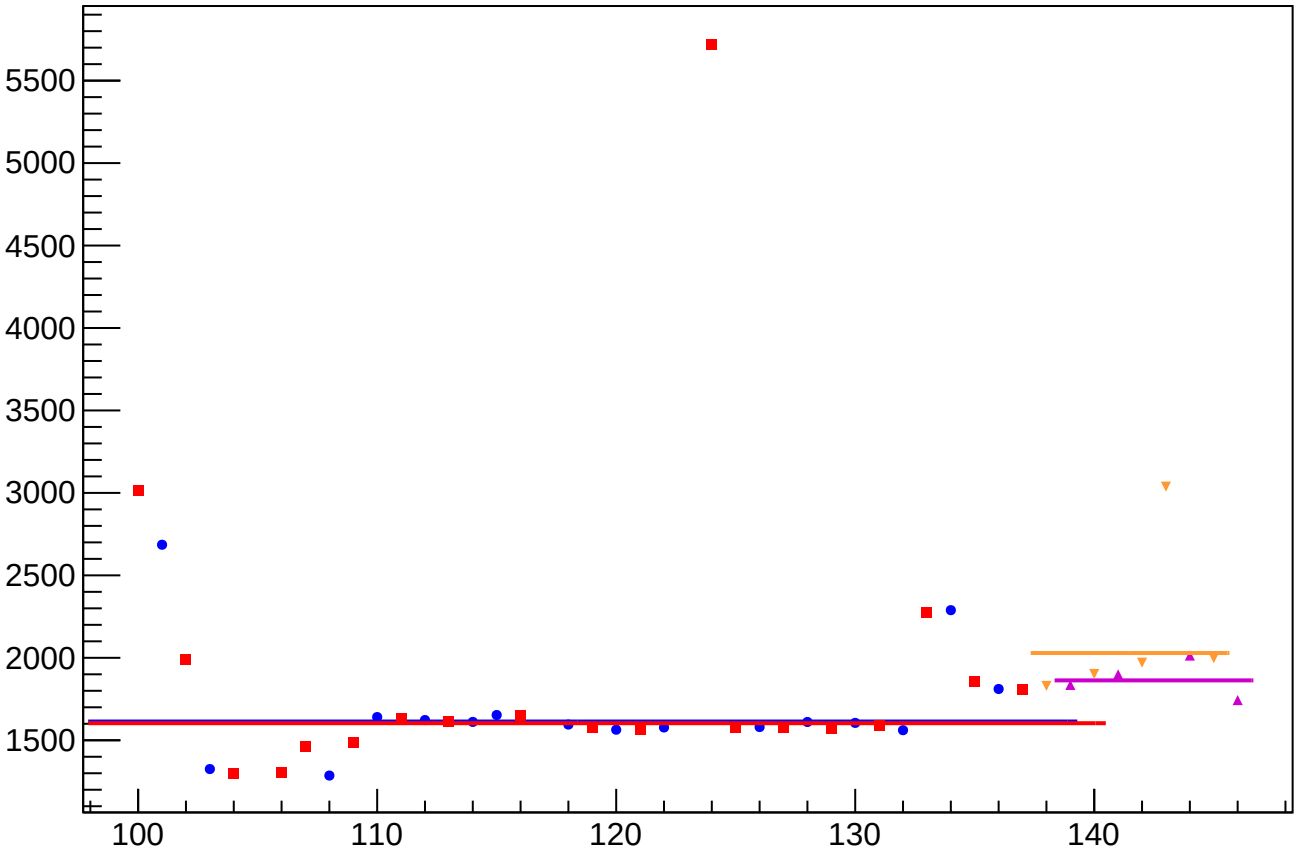
Left: -760.379+/-728.122 χ^2/NDF: 15.8/8

Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 971.969+/-519.203 χ^2/NDF:19.2/19

Out: -578.952+/-525.712 χ^2/NDF:29.4/23

All: 206.169+/-369.412 χ^2/NDF: 53.0/43



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 2029.063+/-0.757 χ^2/NDF:207268.5/4

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

Left: 1939.812+/-0.515 χ^2/NDF: 252630.2/8

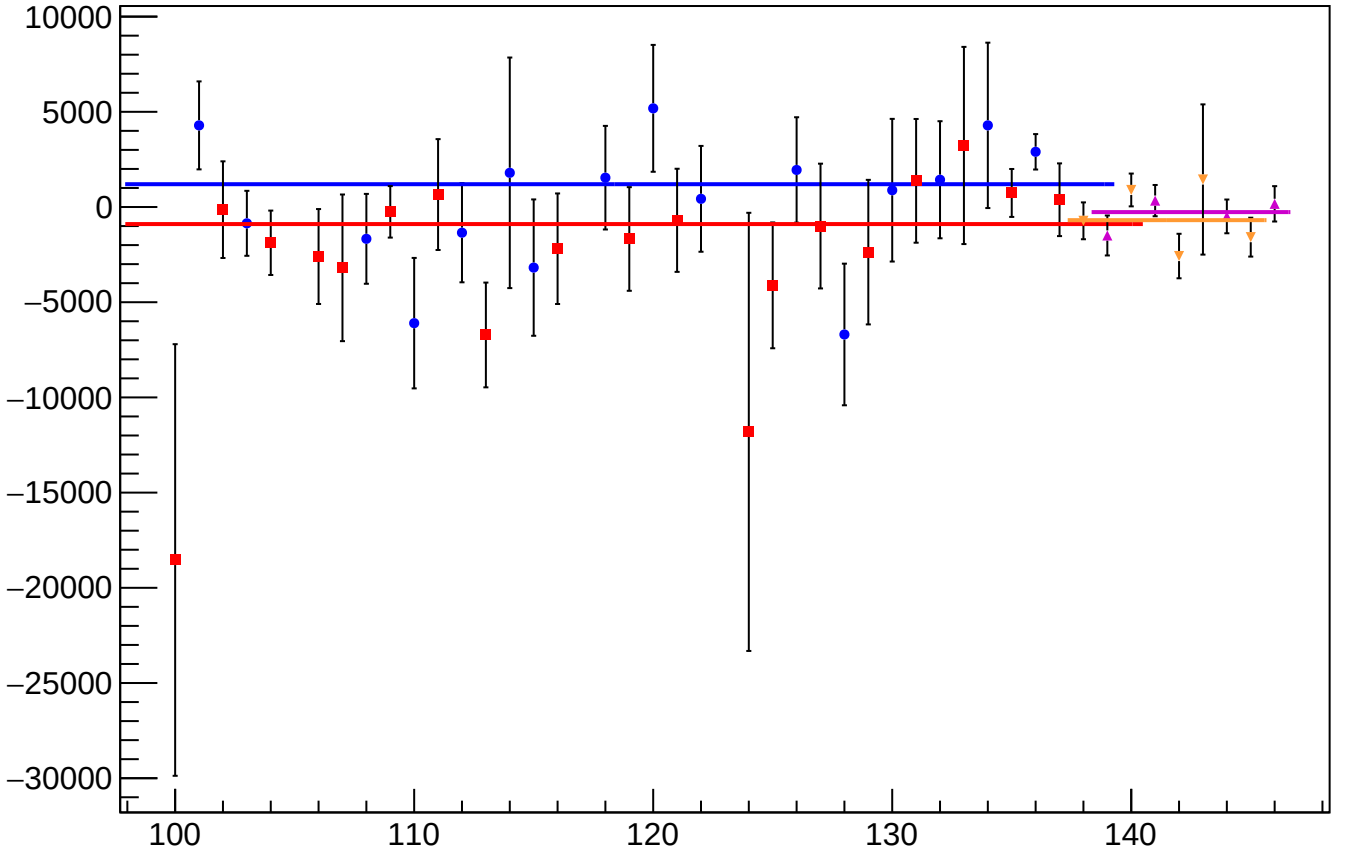
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1681.929+/-0.367 χ^2/NDF:516031.0/19

Out: 1705.960+/-0.372 χ^2/NDF:872716.1/23

All: 1693.795+/-0.261 χ^2/NDF: 1390862.6/43

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: -689.945+/-489.595 χ^2/NDF:7.1/4

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -266.968+/-455.292 χ^2/NDF:2.2/3

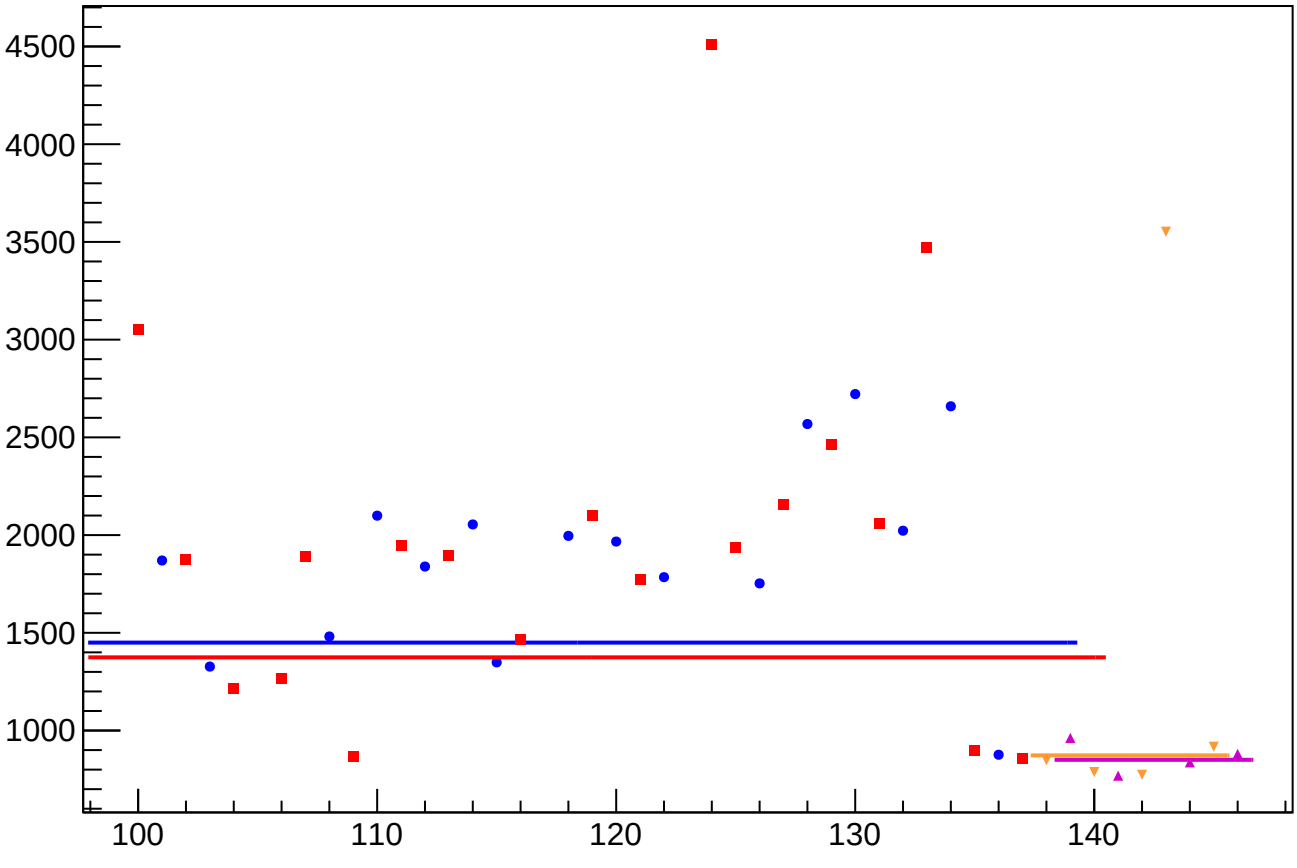
Left: -463.121+/-333.408 χ^2/NDF: 9.6/8

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 293.805+/-357.715 χ^2/NDF:27.8/19

Out: -779.583+/-367.634 χ^2/NDF:21.3/23

All: -228.214+/-256.378 χ^2/NDF: 53.5/43



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 872.911+/-0.346 χ^2/NDF:961655.4/4

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 850.167+/-0.322 χ^2/NDF:44950.0/3

Left: 860.714+/-0.236 χ^2/NDF: 1008920.0/8

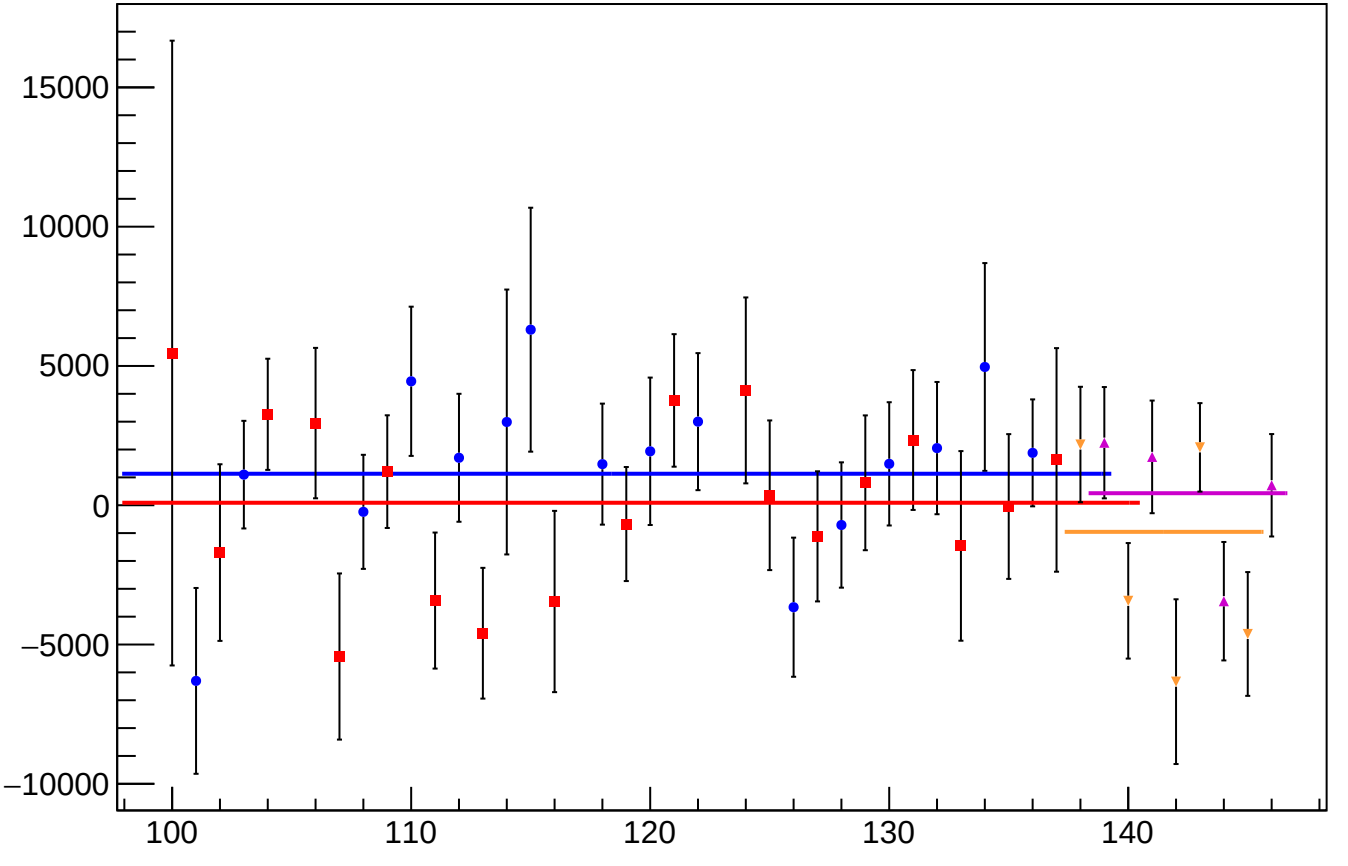
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1079.700+/-0.253 χ^2/NDF:3165877.7/19

Out: 1091.655+/-0.260 χ^2/NDF:4004698.8/23

All: 1085.514+/-0.181 χ^2/NDF: 7171663.0/43

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -955.097+/-920.993 χ^2/NDF:13.4/4

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 431.940+/-993.901 χ^2/NDF:4.6/3

Left: -314.313+/-675.546 χ^2/NDF: 19.0/8

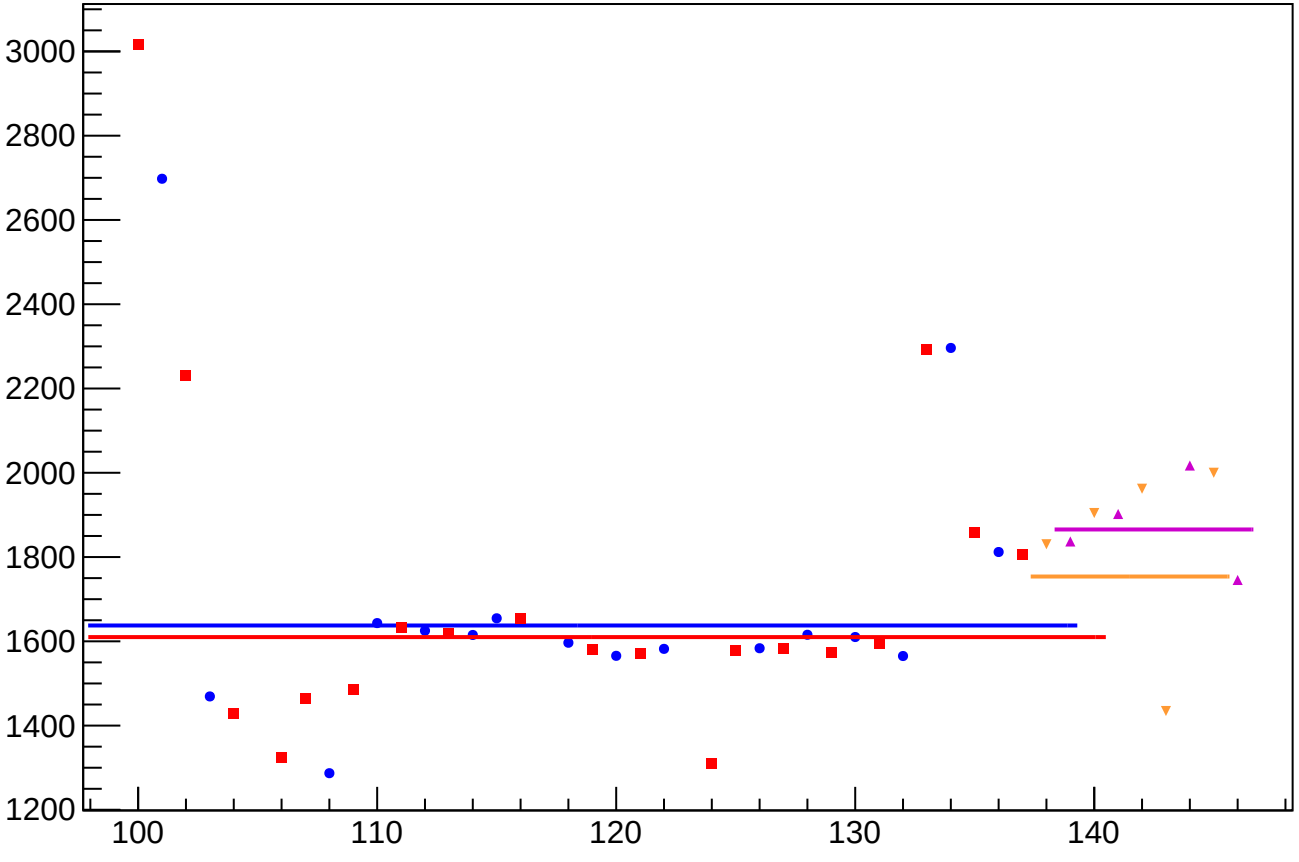
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 936.235+/-524.350 χ^2/NDF:19.9/19

Out: -224.177+/-504.531 χ^2/NDF:35.0/23

All: 333.684+/-363.562 χ^2/NDF: 57.5/43

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1753.785+/-0.651 χ^2/NDF:128601.4/4

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1865.441+/-0.703 χ^2/NDF:19753.7/3

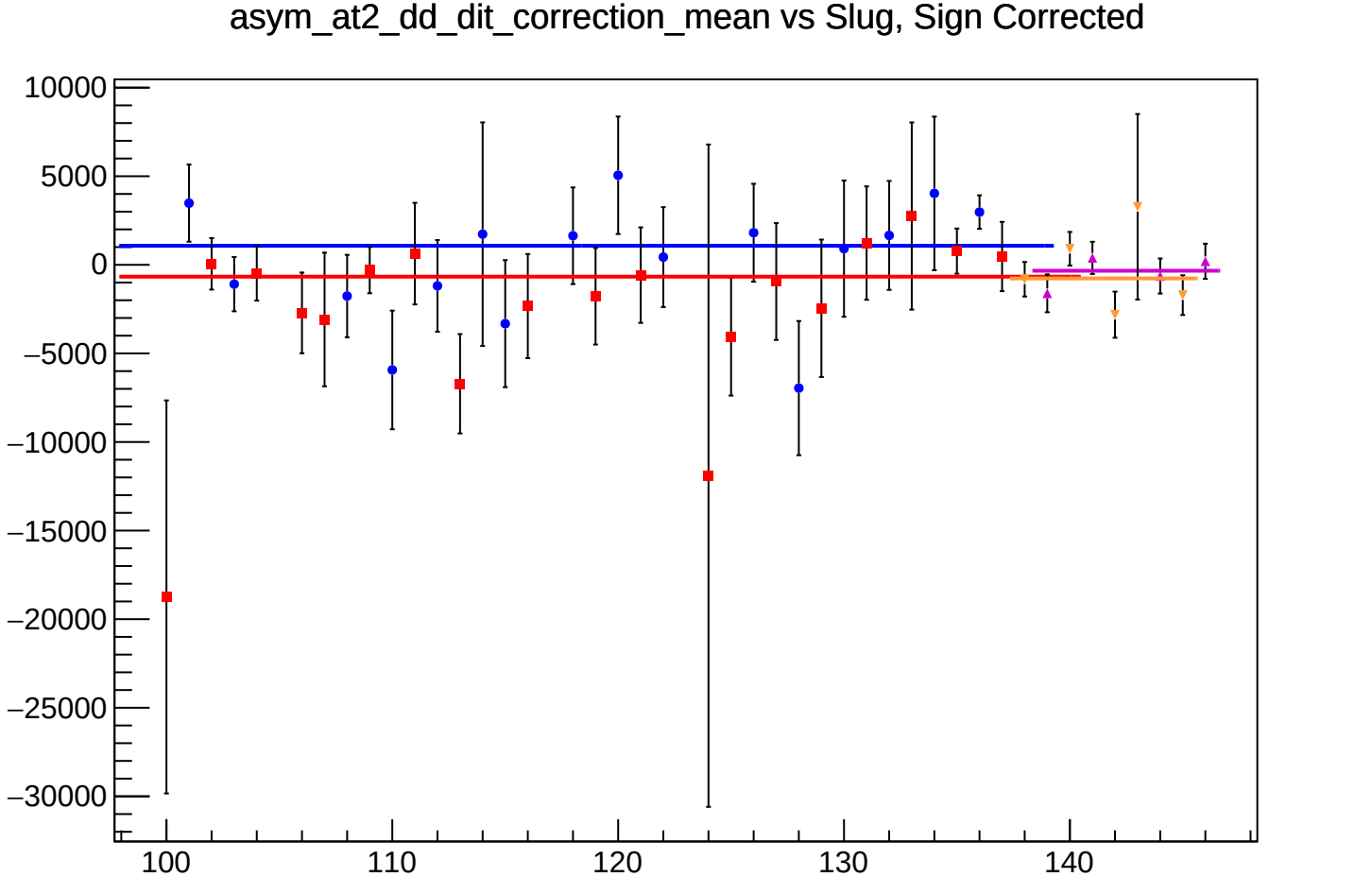
Left: 1805.368+/-0.478 χ^2/NDF: 161935.1/8

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.995+/-0.371 χ^2/NDF:457036.4/19

Out: 1653.180+/-0.357 χ^2/NDF:443511.5/23

All: 1676.167+/-0.257 χ^2/NDF: 909183.8/43



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: -767.655+/-527.662 χ^2/NDF:6.9/4

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -333.588+/-492.489 χ^2/NDF:2.4/3

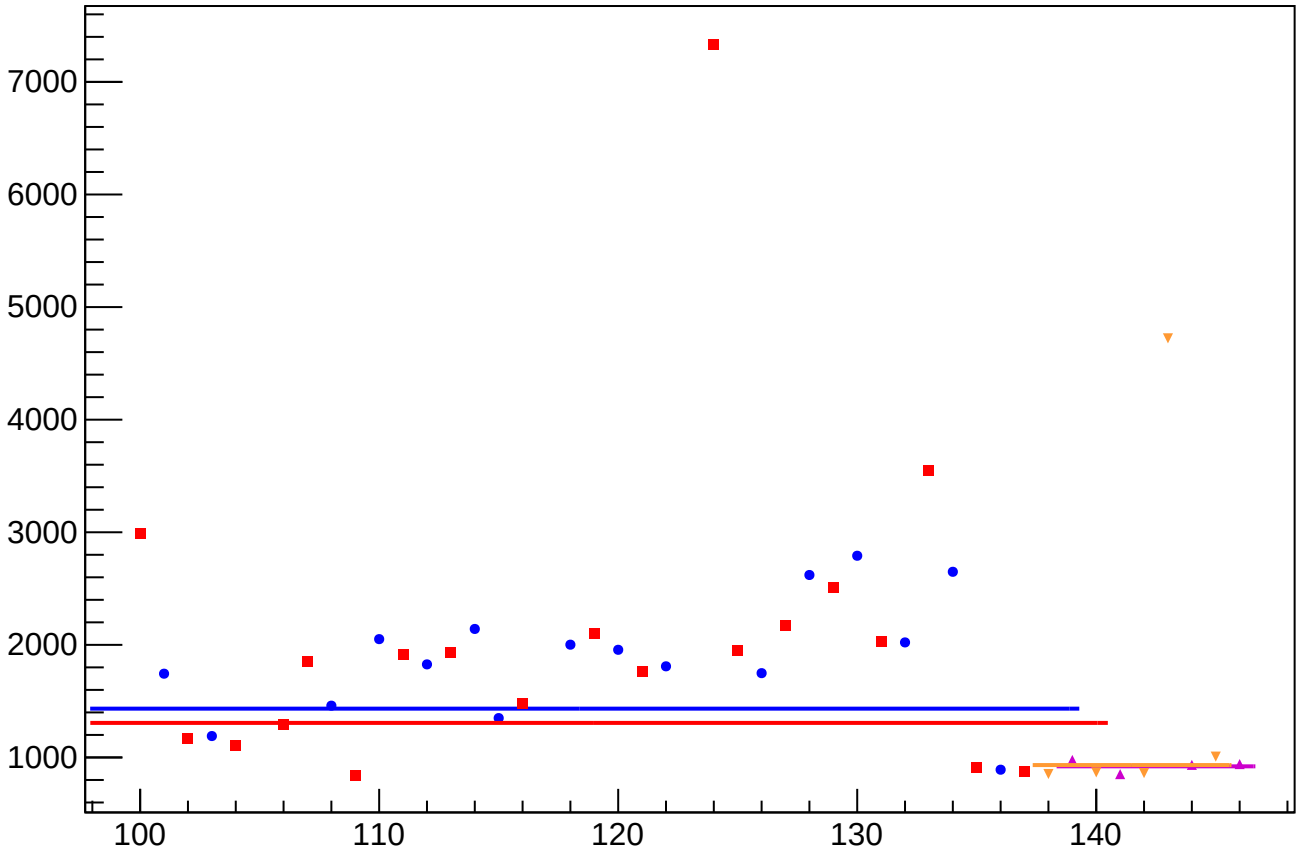
Left: -535.673+/-360.035 χ^2/NDF: 9.7/8

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 265.951+/-373.106 χ^2/NDF:27.9/19

Out: -717.318+/-371.625 χ^2/NDF:20.5/23

All: -227.638+/-263.301 χ^2/NDF: 51.9/43



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 932.365+/-0.373 χ^2/NDF:1085964.5/4

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 921.125+/-0.348 χ^2/NDF:18349.8/3

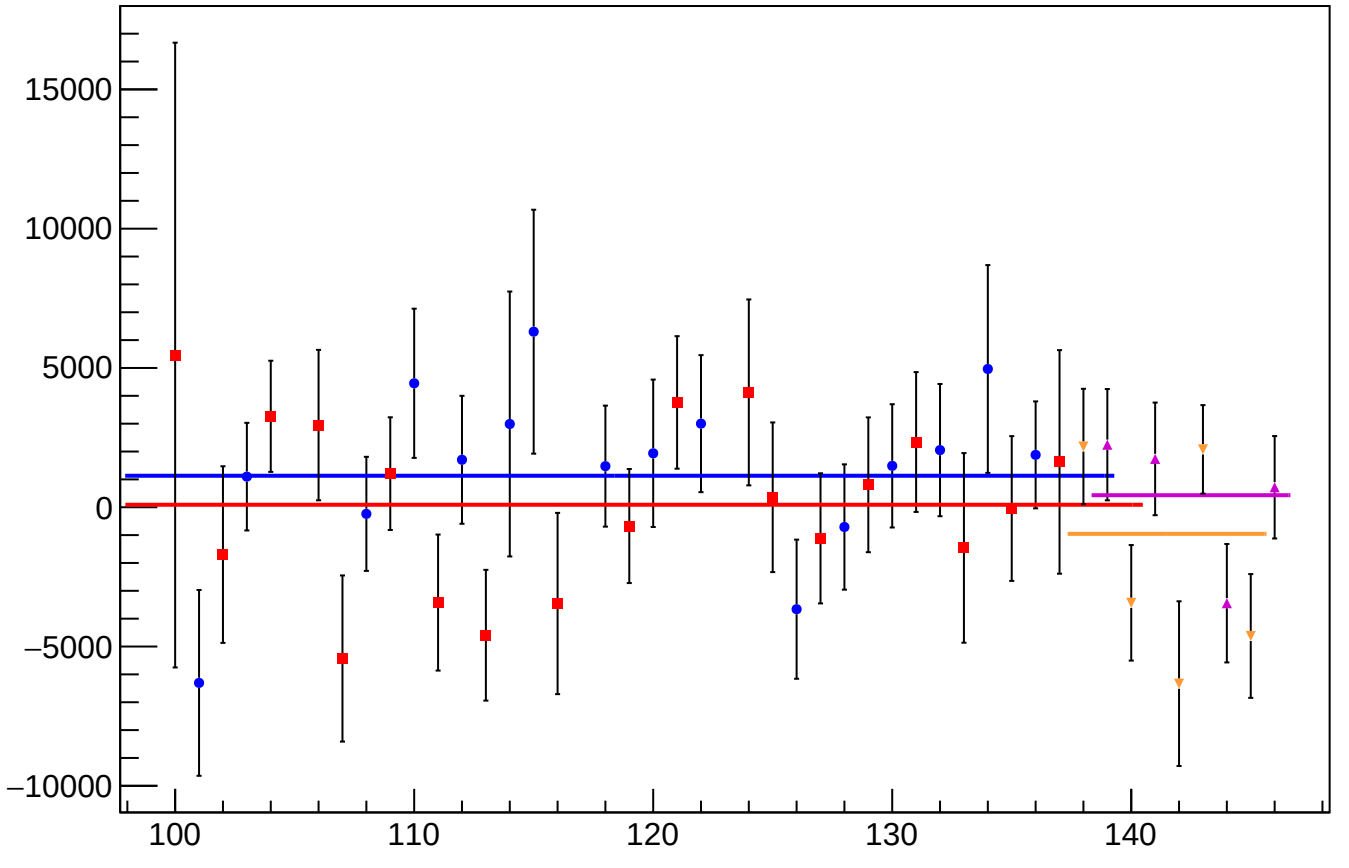
Left: 926.358+/-0.255 χ^2/NDF: 1104799.3/8

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1139.415+/-0.264 χ^2/NDF:2704071.2/19

Out: 1121.107+/-0.263 χ^2/NDF:3777608.6/23

All: 1130.225+/-0.186 χ^2/NDF: 6484097.2/43



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -955.114+/-920.993 χ^2/NDF:13.4/4

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 431.928+/-993.901 χ^2/NDF:4.6/3

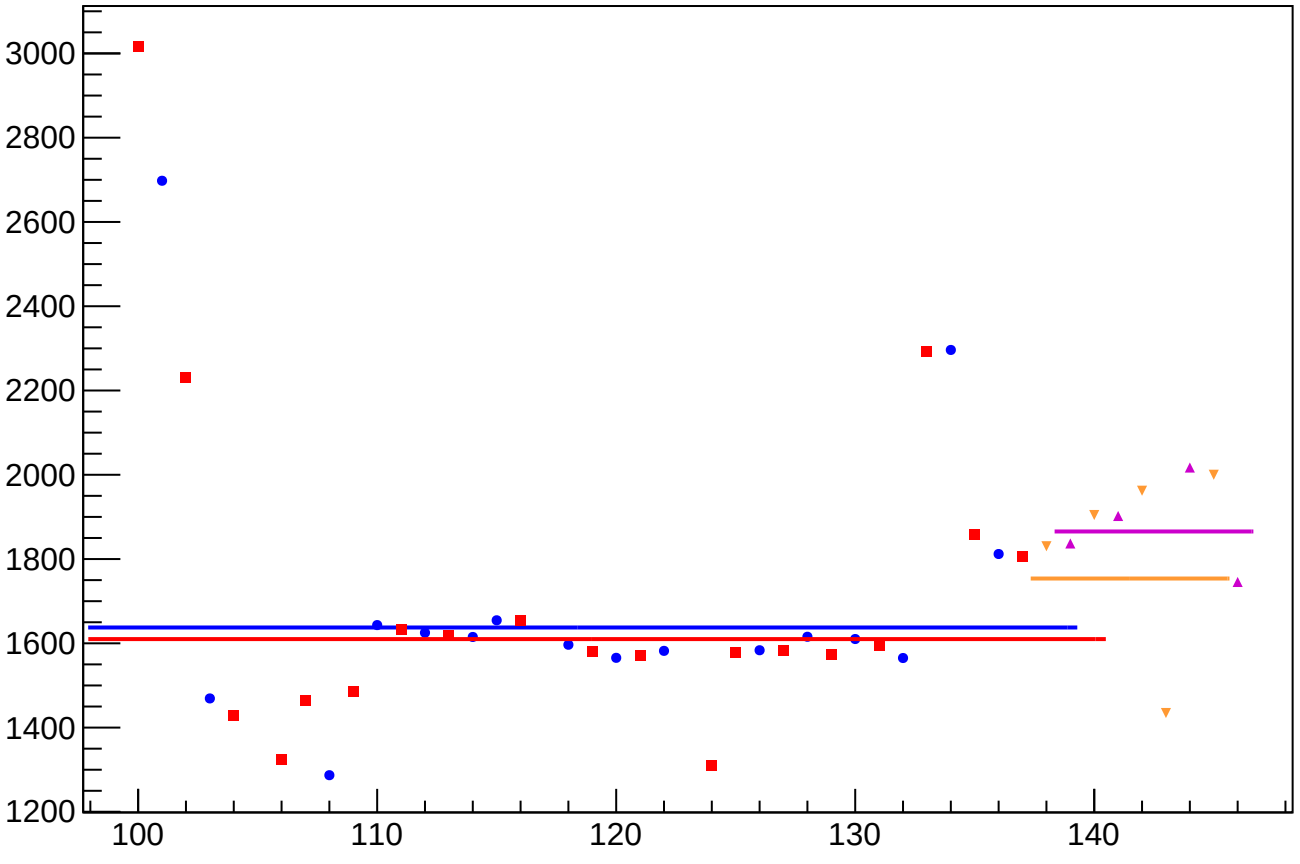
Left: -314.327+/-675.547 χ^2/NDF: 19.0/8

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 936.232+/-524.350 χ^2/NDF:19.9/19

Out: -224.178+/-504.531 χ^2/NDF:35.0/23

All: 333.683+/-363.562 χ^2/NDF: 57.5/43



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1753.786+/-0.651 χ^2/NDF:128600.1/4

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1865.441+/-0.703 χ^2/NDF:19753.8/3

Left: 1805.368+/-0.478 χ^2/NDF: 161933.6/8

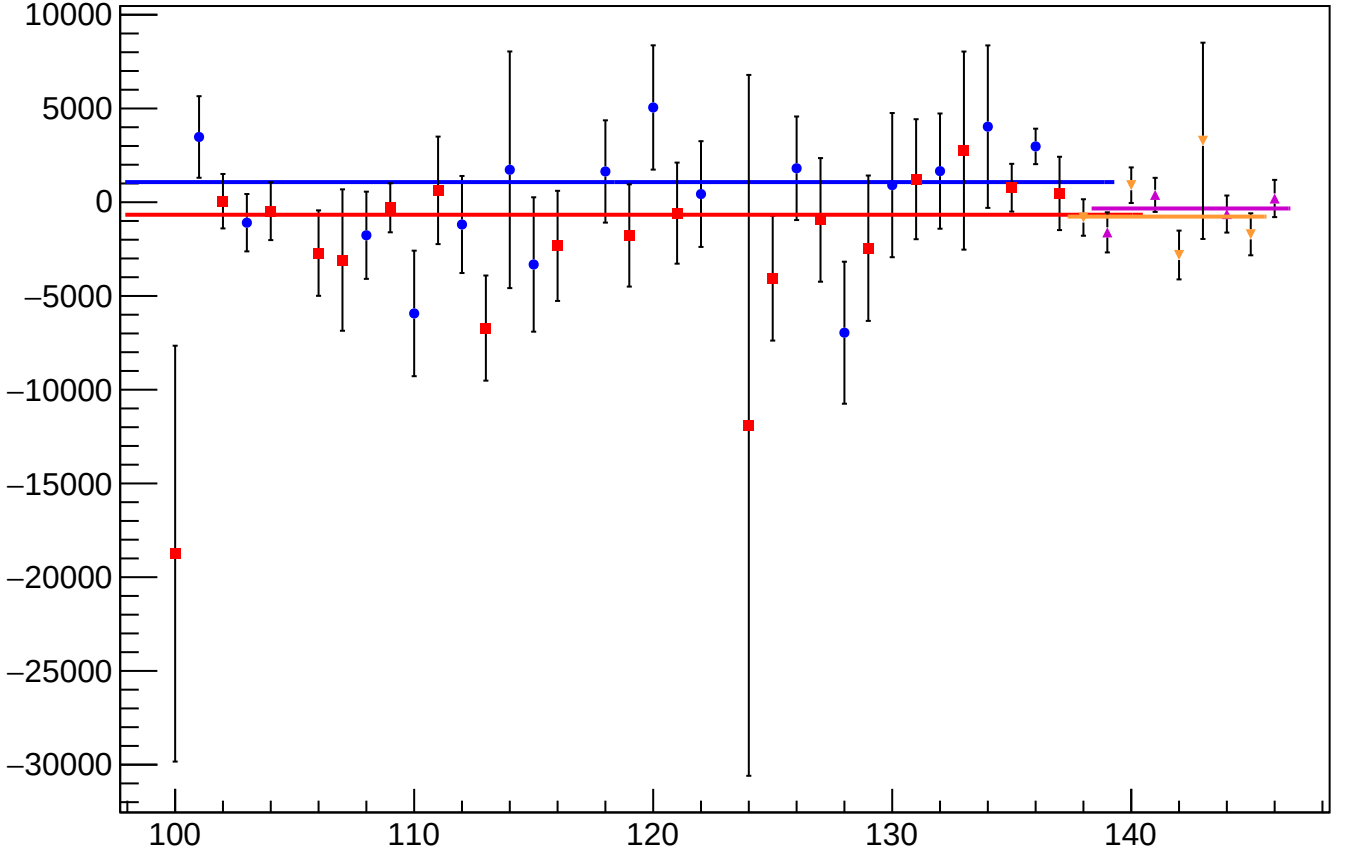
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.995+/-0.371 χ^2/NDF:457036.3/19

Out: 1653.180+/-0.357 χ^2/NDF:443511.0/23

All: 1676.167+/-0.257 χ^2/NDF: 909183.1/43

asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: -767.666+/-527.669 χ^2/NDF:6.9/4

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -333.586+/-492.491 χ^2/NDF:2.4/3

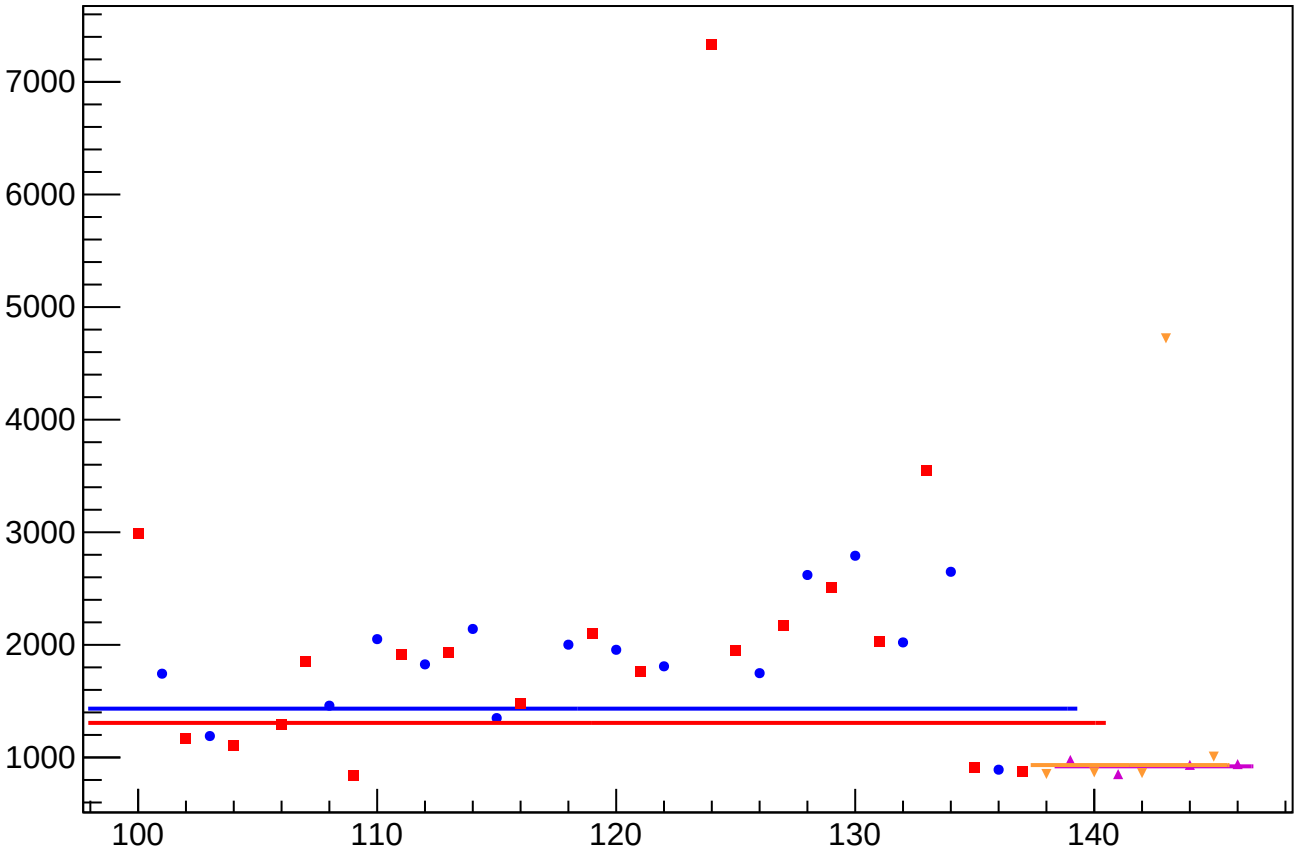
Left: -535.675+/-360.038 χ^2/NDF: 9.7/8

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: 265.946+/-373.107 χ^2/NDF:27.9/19

Out: -717.330+/-371.629 χ^2/NDF:20.5/23

All: -227.644+/-263.302 χ^2/NDF: 51.9/43



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 932.377+/-0.373 χ^2/NDF:1085951.9/4

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 921.128+/-0.348 χ^2/NDF:18351.0/3

Left: 926.365+/-0.255 χ^2/NDF: 1104788.7/8

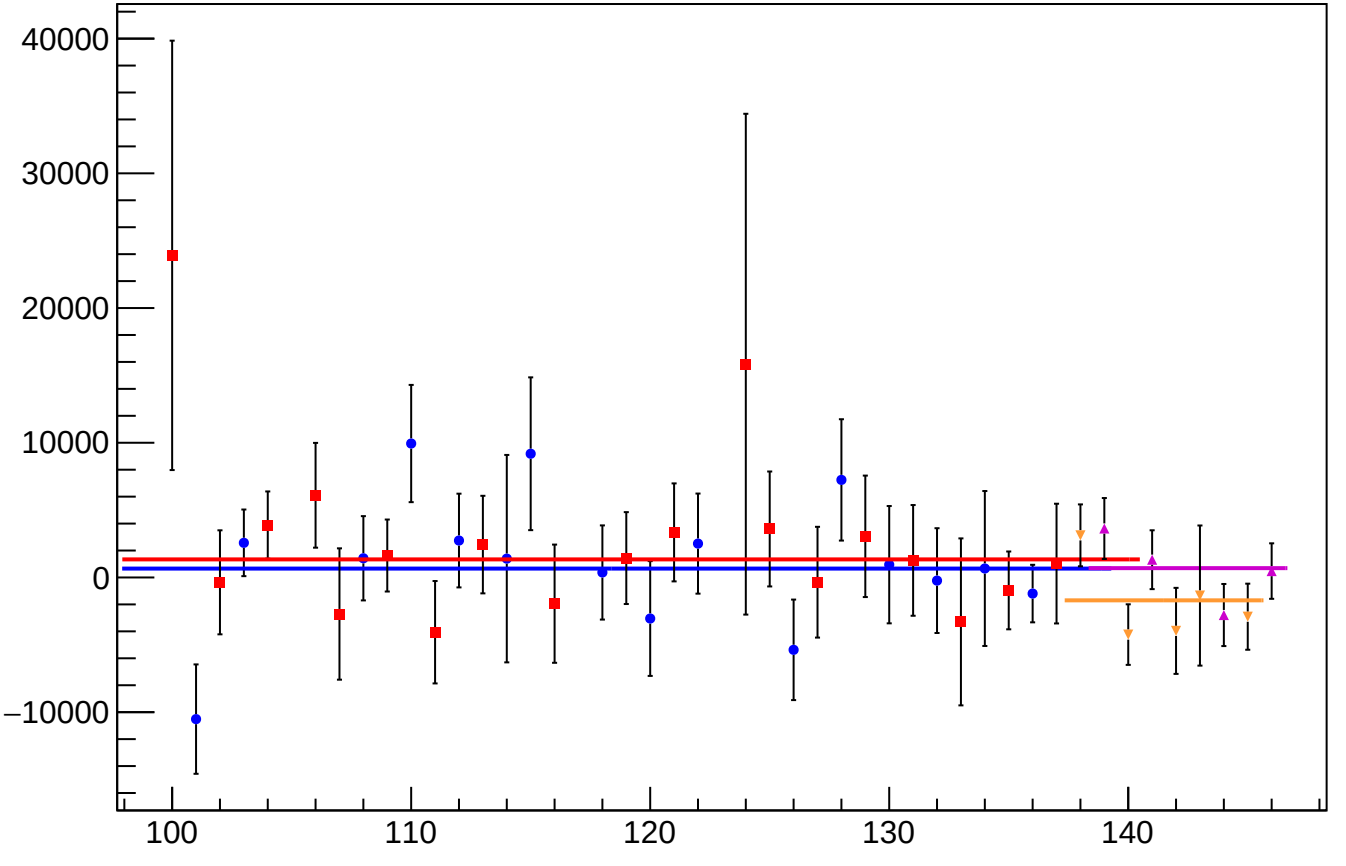
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 1139.423+/-0.264 χ^2/NDF:2704011.1/19

Out: 1121.121+/-0.263 χ^2/NDF:3777517.0/23

All: 1130.235+/-0.186 χ^2/NDF: 6483943.8/43

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1698.252+/-1205.159 χ^2/NDF:6.4/4

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 692.223+/-1098.247 χ^2/NDF:4.1/3

Left: -392.299+/-811.749 χ^2/NDF: 12.7/8

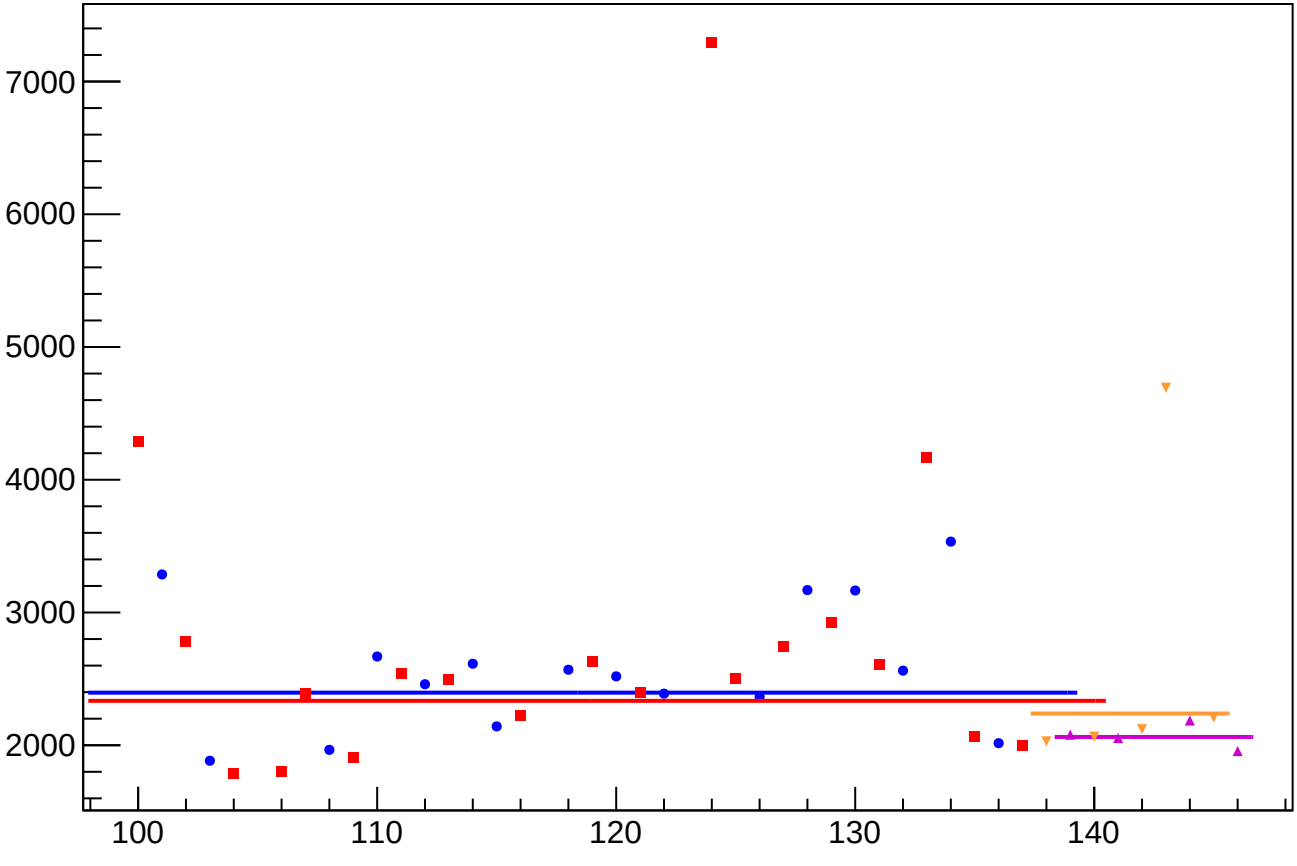
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 672.788+/-700.516 χ^2/NDF:26.1/19

Out: 268.178+/-716.235 χ^2/NDF:21.4/23

All: 474.972+/-500.804 χ^2/NDF: 47.6/43

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2238.980+/-0.852 χ^2/NDF:477051.5/4

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2062.347+/-0.777 χ^2/NDF:11226.8/3

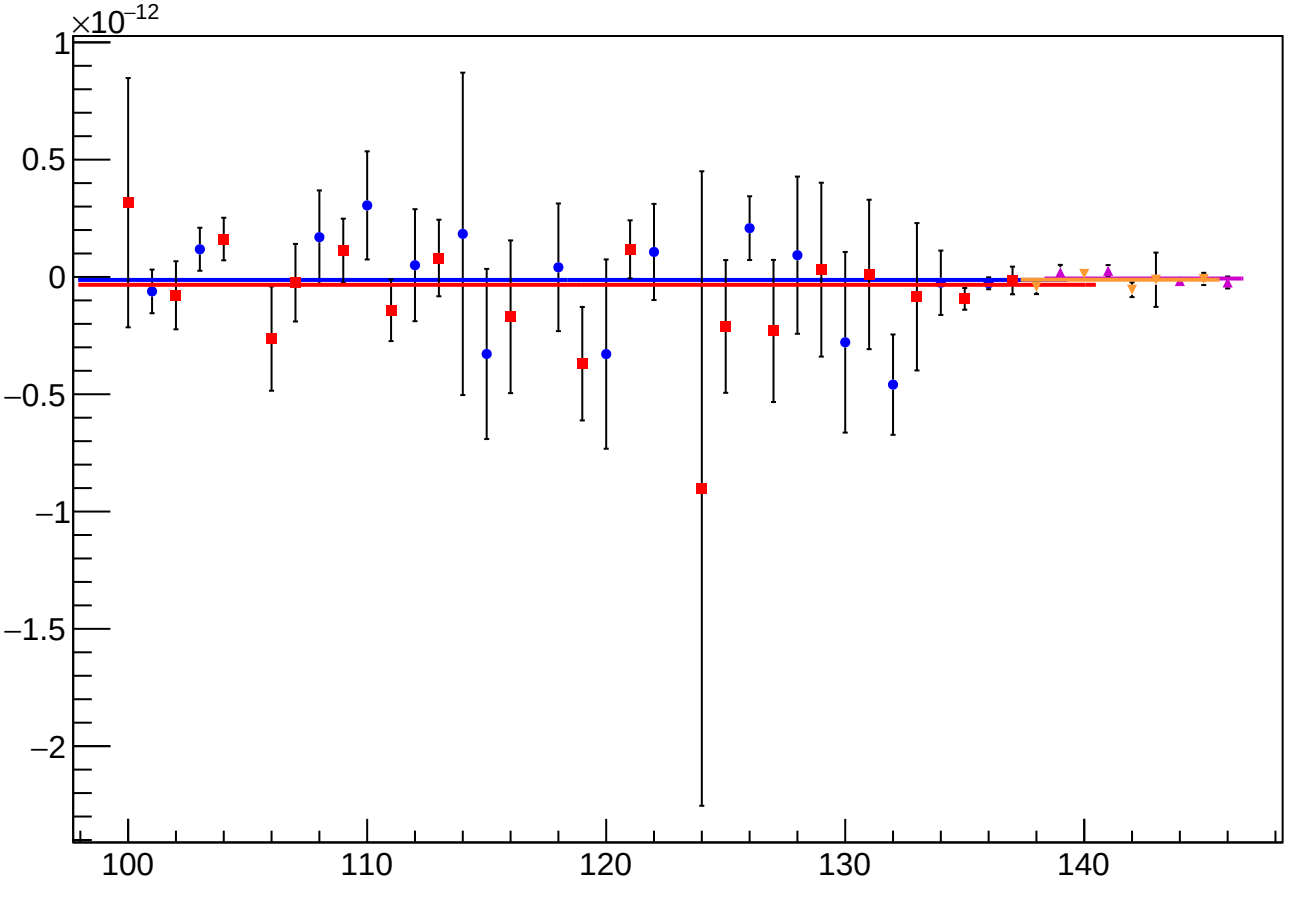
Left: 2142.483+/-0.574 χ^2/NDF: 511749.2/8

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2260.417+/-0.495 χ^2/NDF:628797.6/19

Out: 2300.822+/-0.506 χ^2/NDF:1166762.4/23

All: 2280.171+/-0.354 χ^2/NDF: 1798813.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/4

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

Left In: -0.000+/-0.000 χ^2/NDF:3.5/3

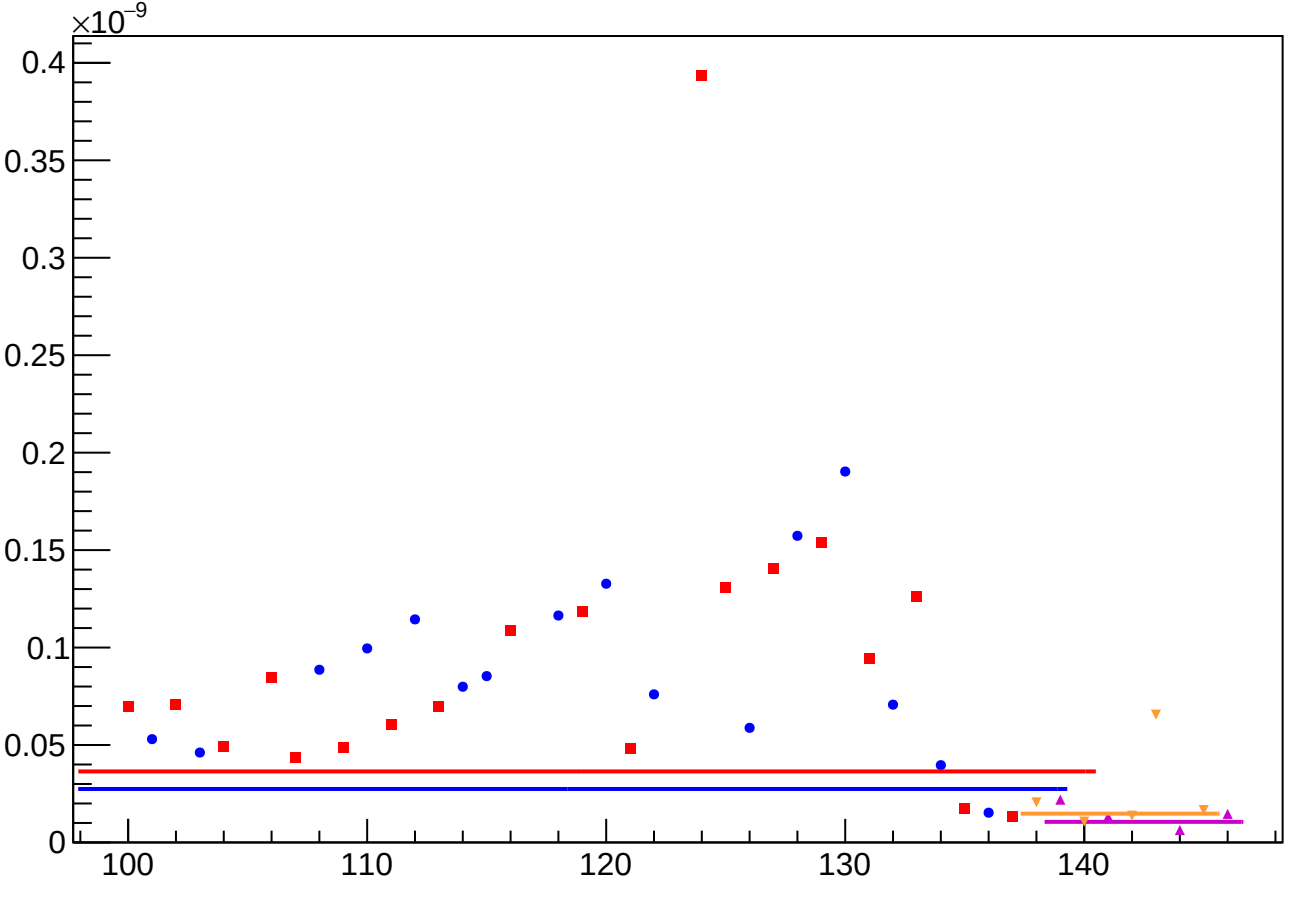
Left: -0.000+/-0.000 χ^2/NDF: 8.2/8

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:18.4/19

Out: -0.000+/-0.000 χ^2/NDF:20.3/23

All: -0.000+/-0.000 χ^2/NDF: 39.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:560116.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:517296.1/3

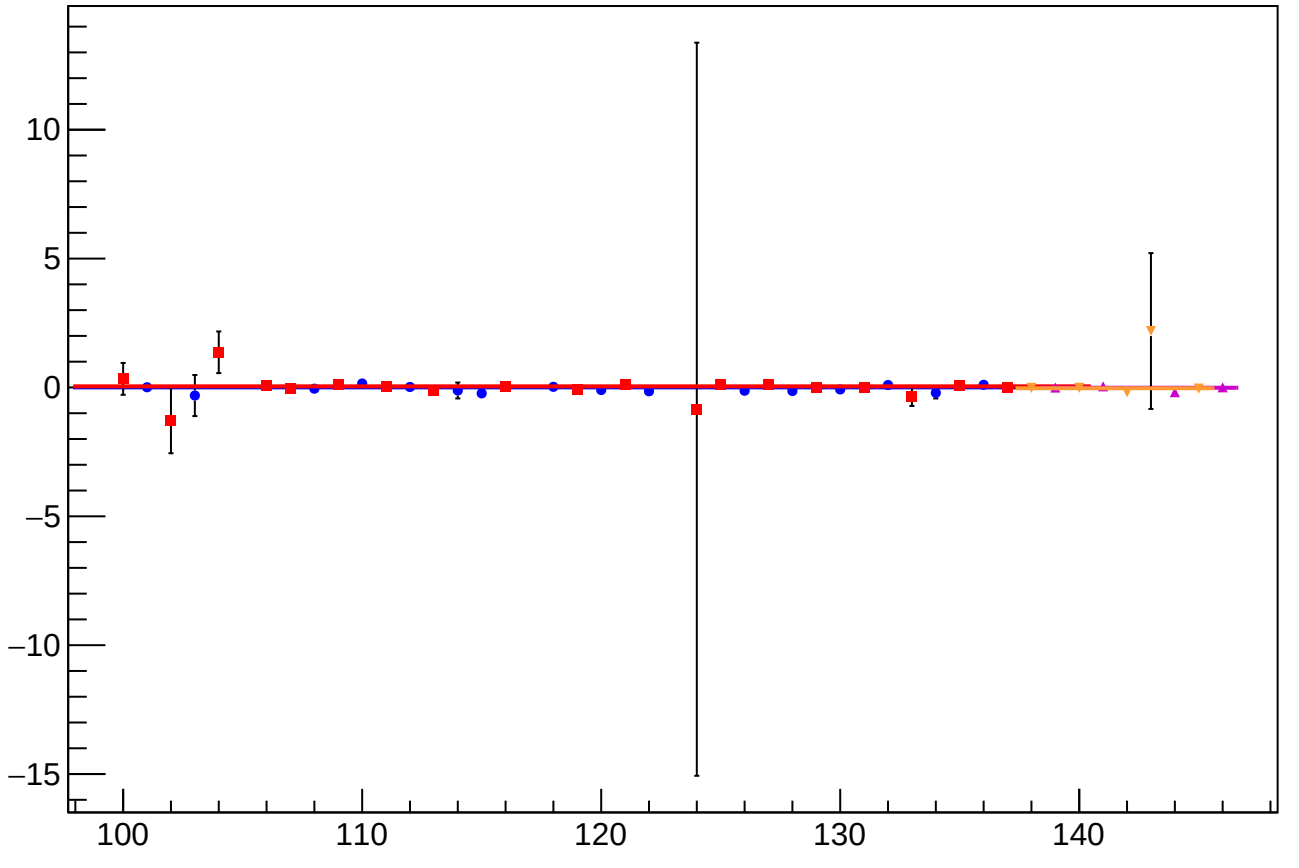
Left: 0.000+/-0.000 χ^2/NDF: 1212803.4/8

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4196929.4/19

Out: 0.000+/-0.000 χ^2/NDF:4000813.8/23

All: 0.000+/-0.000 χ^2/NDF: 8412609.0/43



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: -0.031+/-0.035 χ^2/NDF:1.8/4

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.011+/-0.035 χ^2/NDF:2.8/3

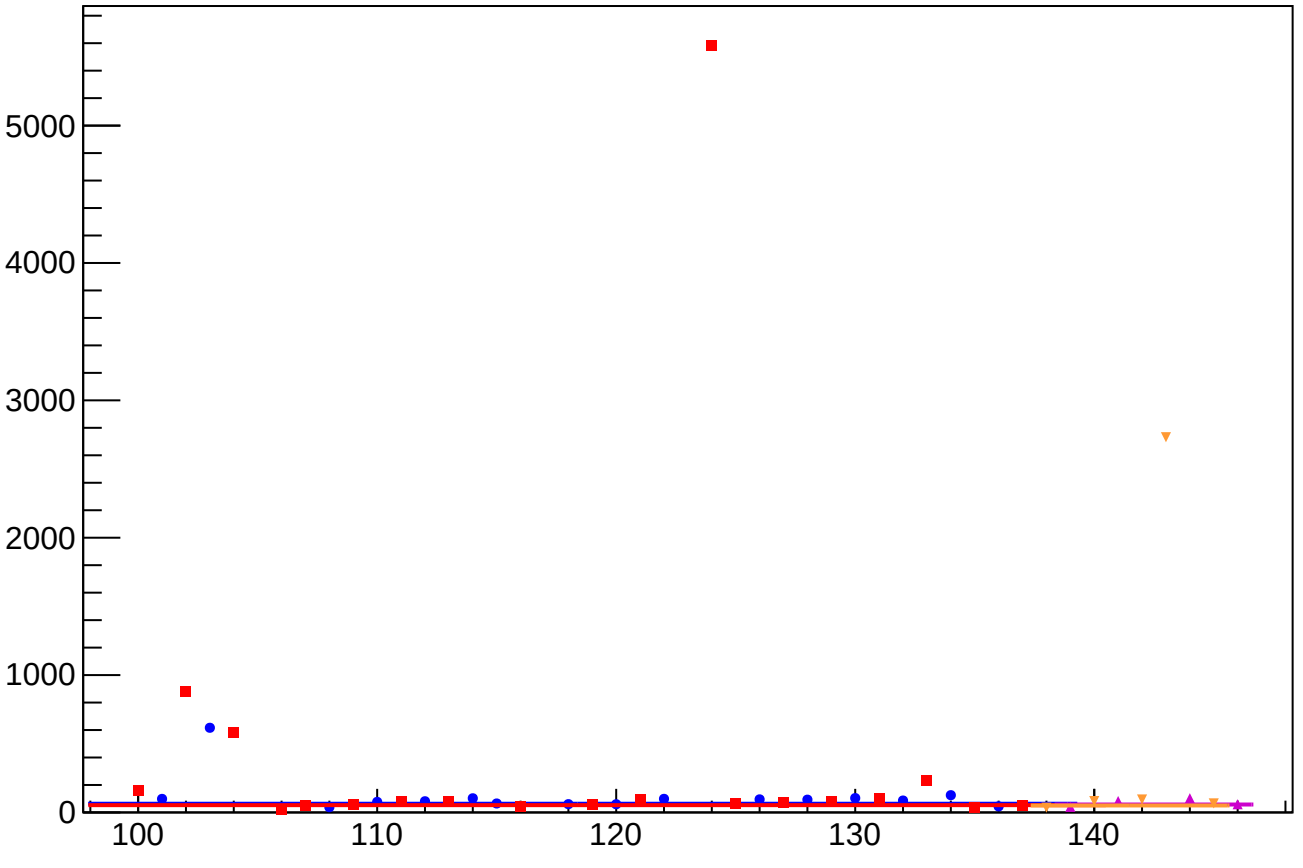
Left: -0.021+/-0.025 χ^2/NDF: 4.8/8

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.021 χ^2/NDF:16.2/19

Out: 0.018+/-0.020 χ^2/NDF:17.6/23

All: 0.009+/-0.015 χ^2/NDF: 34.2/43



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 50.895+/-0.025 χ^2/NDF:2313079.2/4

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.813+/-0.025 χ^2/NDF:725479.0/3

Left: 54.352+/-0.017 χ^2/NDF: 3077947.3/8

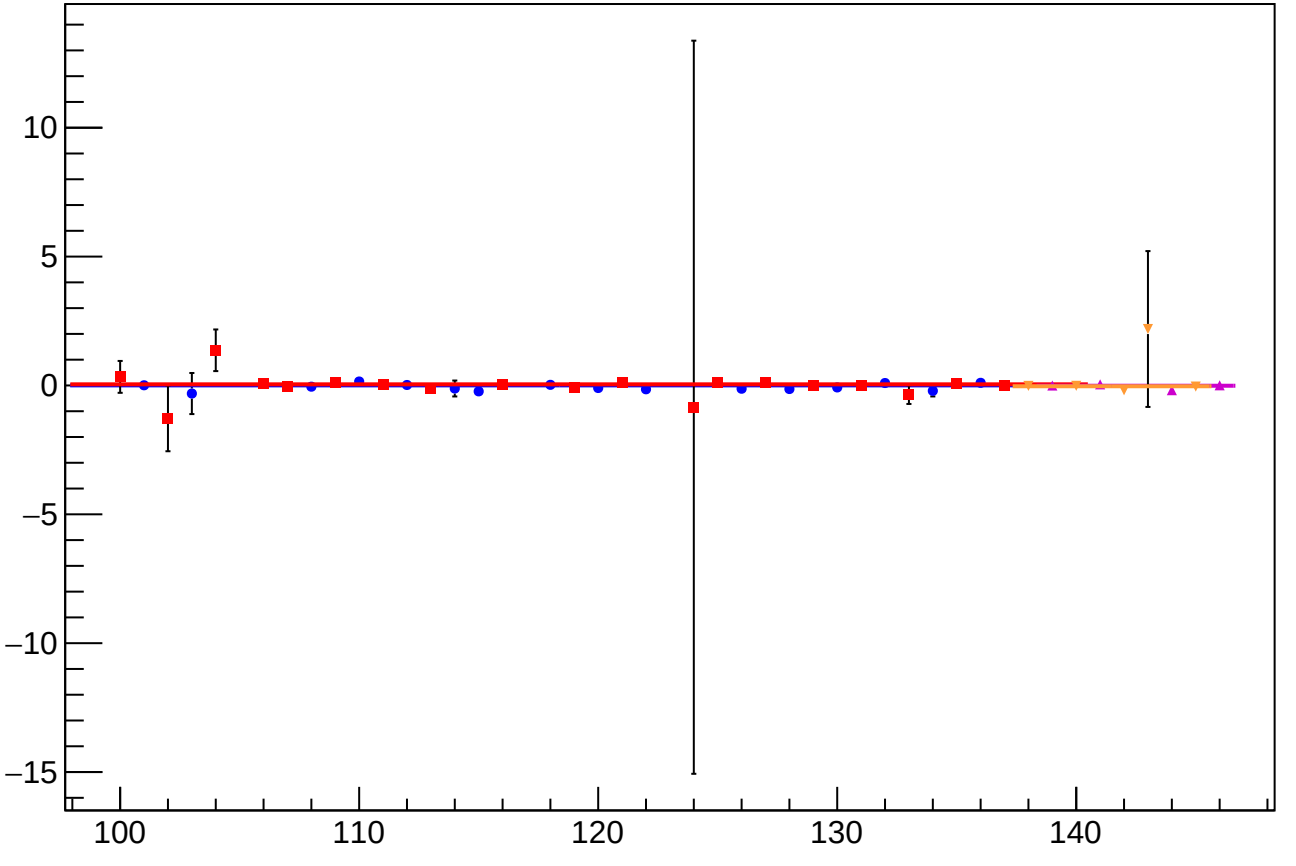
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 61.318+/-0.015 χ^2/NDF:3203277.6/19

Out: 52.428+/-0.014 χ^2/NDF:6264695.3/23

All: 56.612+/-0.010 χ^2/NDF: 9649824.8/43

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: -0.031+/-0.035 χ^2/NDF:1.8/4

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.011+/-0.035 χ^2/NDF:2.8/3

Left: -0.021+/-0.025 χ^2/NDF: 4.8/8

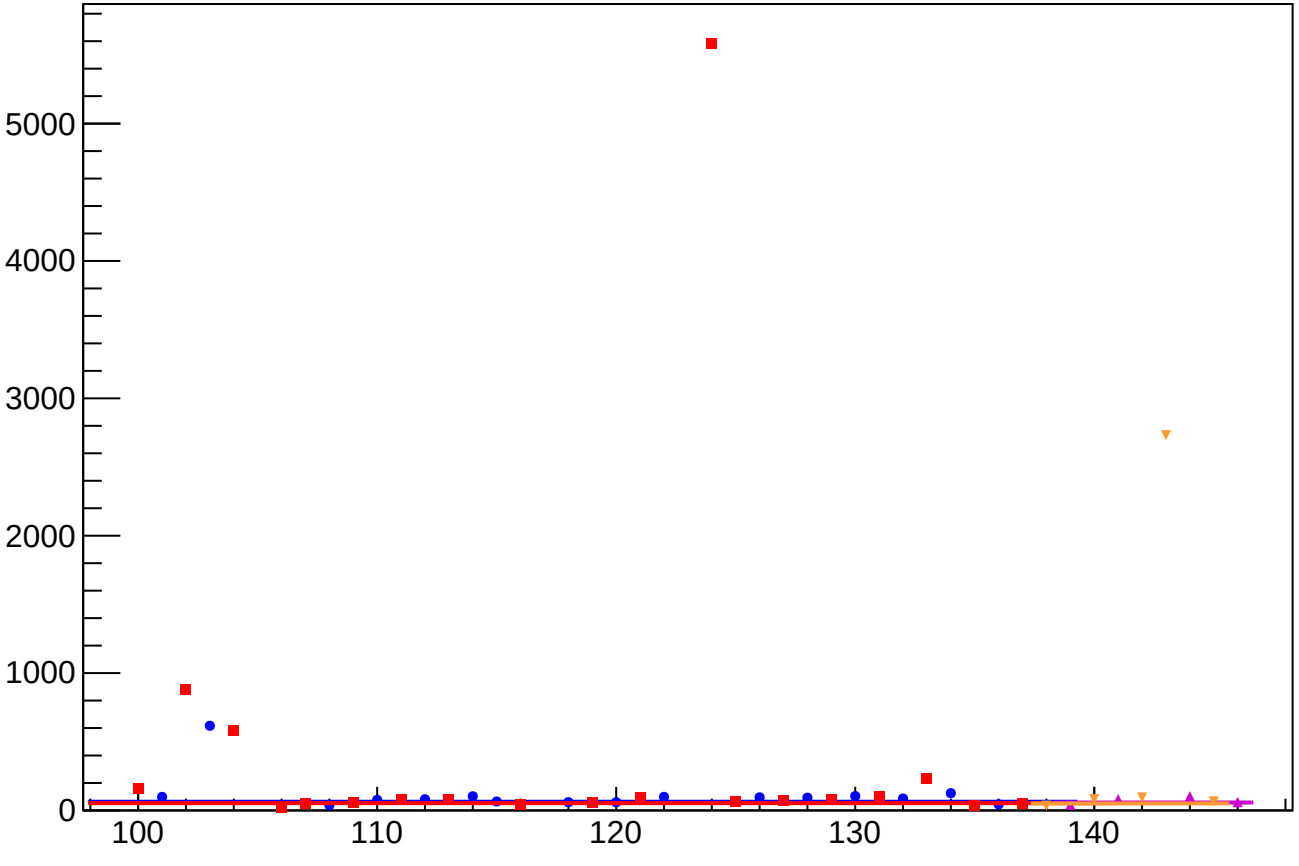
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.021 χ^2/NDF:16.2/19

Out: 0.018+/-0.020 χ^2/NDF:17.6/23

All: 0.009+/-0.015 χ^2/NDF: 34.2/43

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: 50.895+/-0.025 χ^2/NDF:2313079.2/4

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.813+/-0.025 χ^2/NDF:725479.0/3

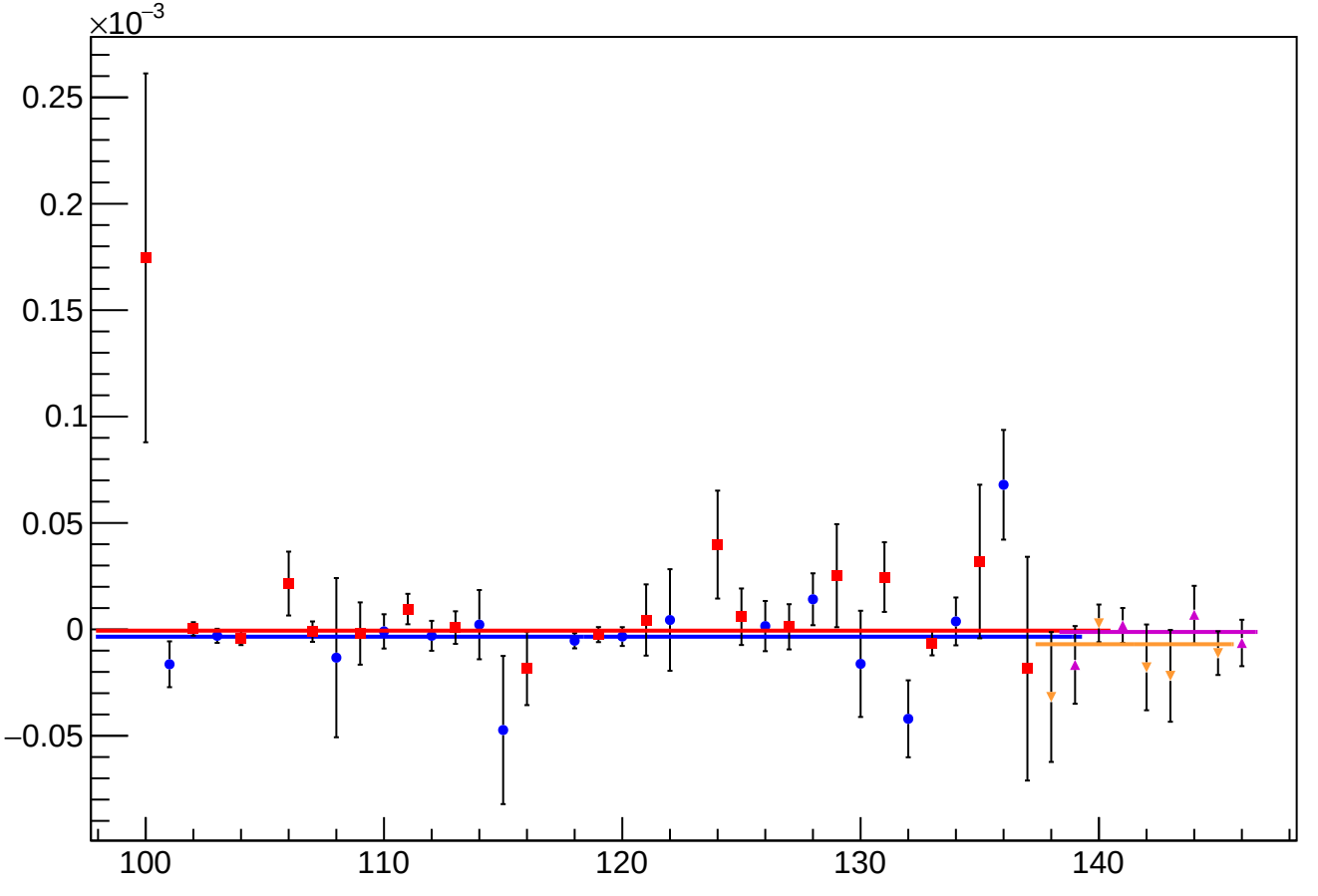
Left: 54.352+/-0.017 χ^2/NDF: 3077947.3/8

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 61.318+/-0.015 χ^2/NDF:3203277.6/19

Out: 52.428+/-0.014 χ^2/NDF:6264695.3/23

All: 56.612+/-0.010 χ^2/NDF: 9649824.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.8/4

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

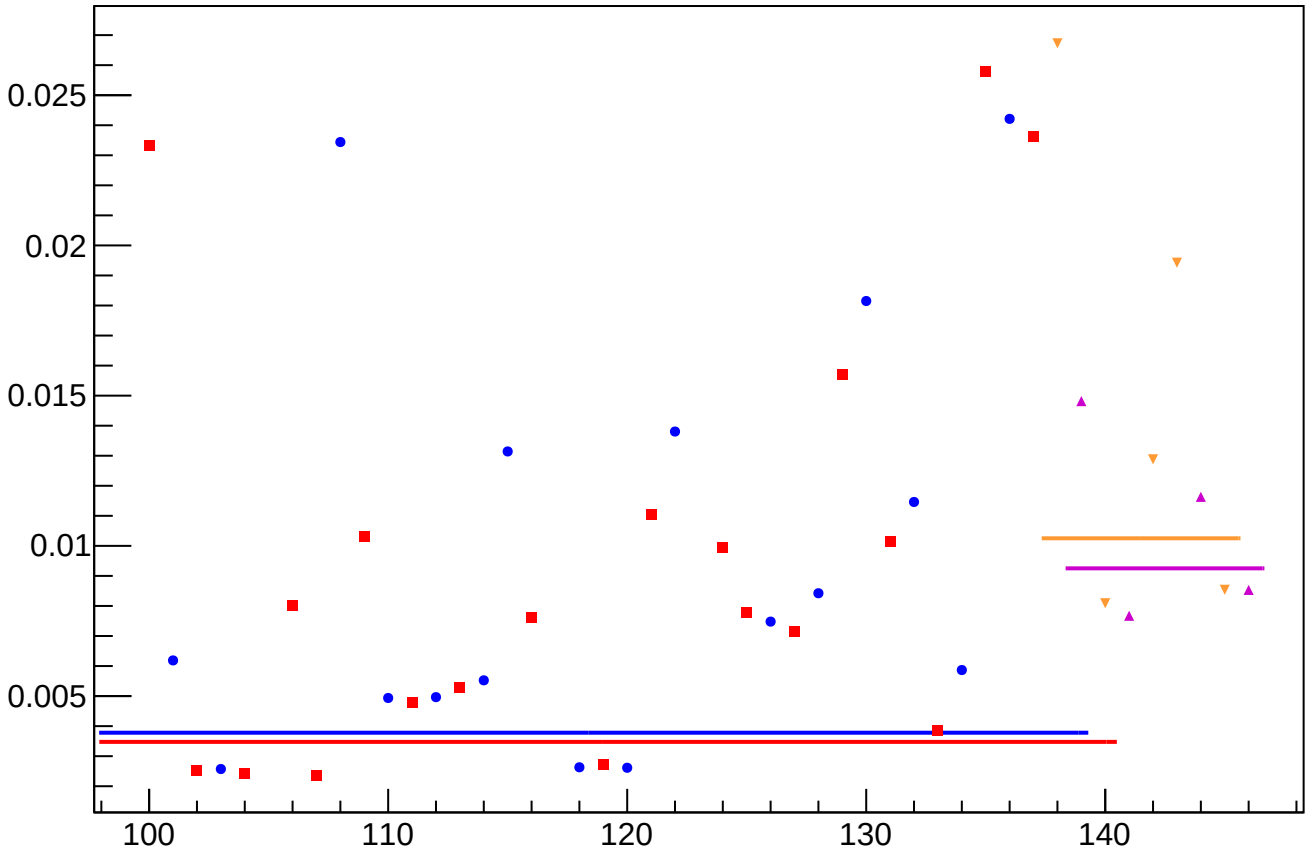
Left: -0.000+/-0.000 χ^2/NDF: 4.8/8

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:20.5/19

Out: -0.000+/-0.000 χ^2/NDF:23.0/23

All: -0.000+/-0.000 χ^2/NDF: 44.5/43



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.010+/-0.000 χ^2/NDF:1154074.5/4

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.009+/-0.000 χ^2/NDF:330237.6/3

Left: 0.010+/-0.000 χ^2/NDF: 1514069.6/8

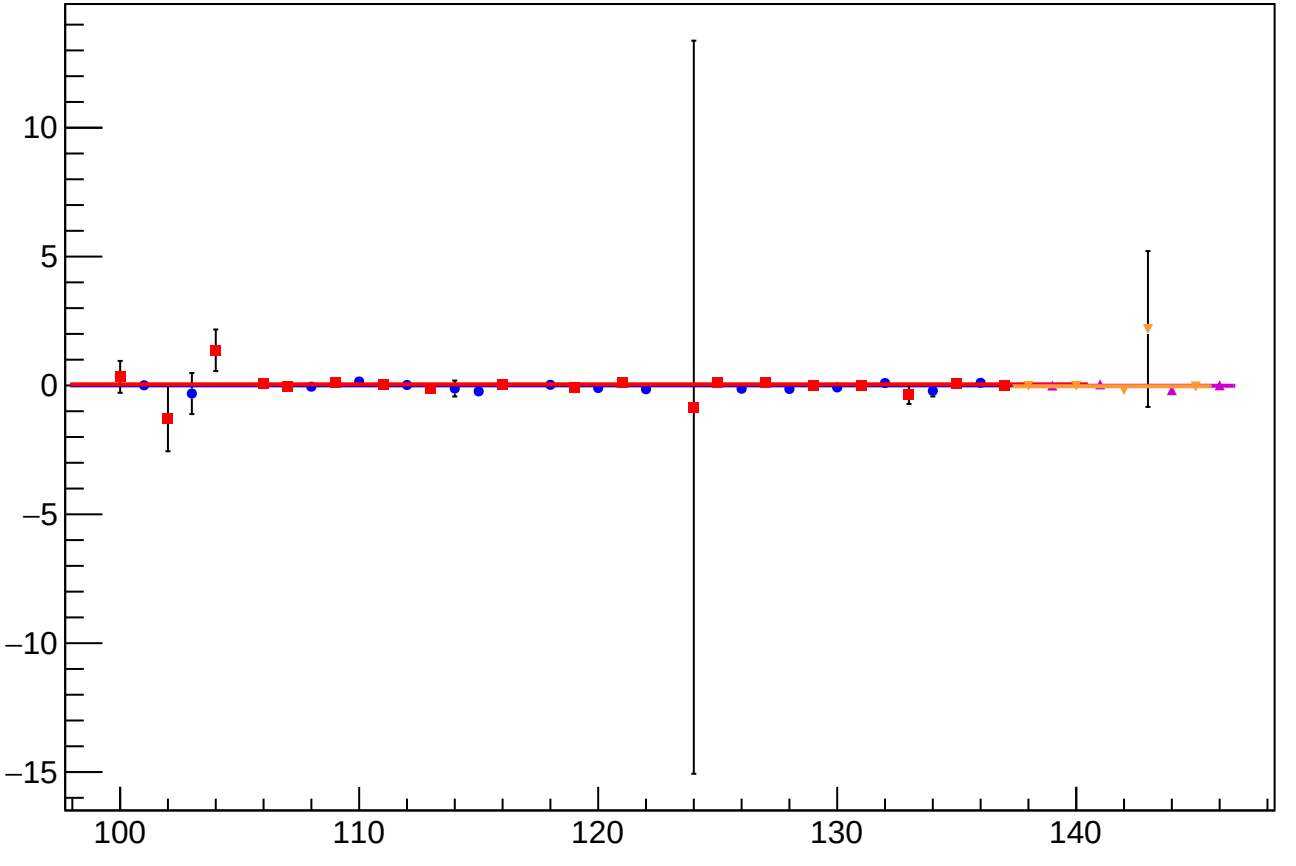
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:6769028.9/19

Out: 0.004+/-0.000 χ^2/NDF:8056057.1/23

All: 0.004+/-0.000 χ^2/NDF: 14887671.8/43

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: -0.031+/-0.035 χ^2/NDF:1.8/4

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.011+/-0.035 χ^2/NDF:2.8/3

Left: -0.021+/-0.025 χ^2/NDF: 4.8/8

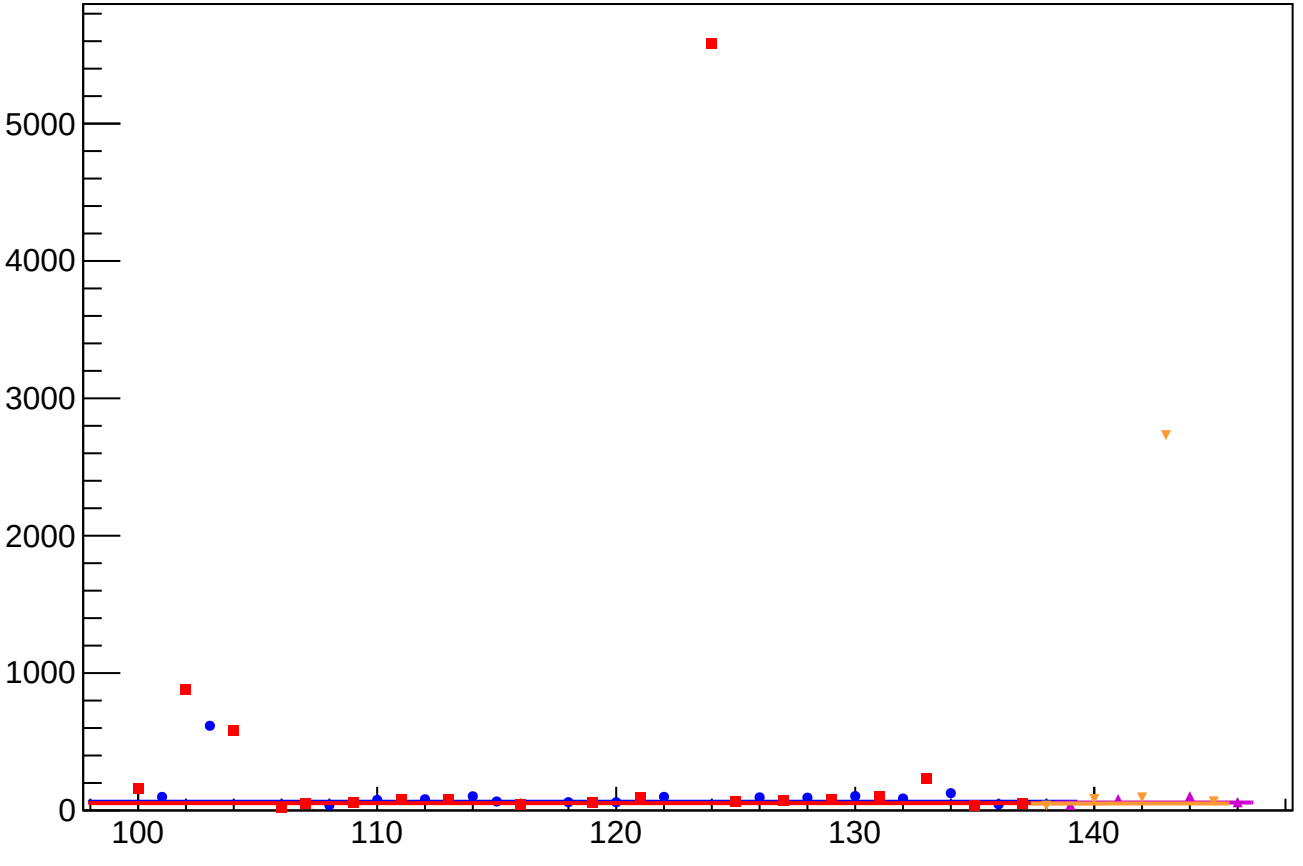
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.021 χ^2/NDF:16.2/19

Out: 0.018+/-0.020 χ^2/NDF:17.6/23

All: 0.009+/-0.015 χ^2/NDF: 34.2/43

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: 50.893+/-0.025 χ^2/NDF:2312988.4/4

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.820+/-0.025 χ^2/NDF:725126.3/3

Left: 54.355+/-0.017 χ^2/NDF: 3077611.3/8

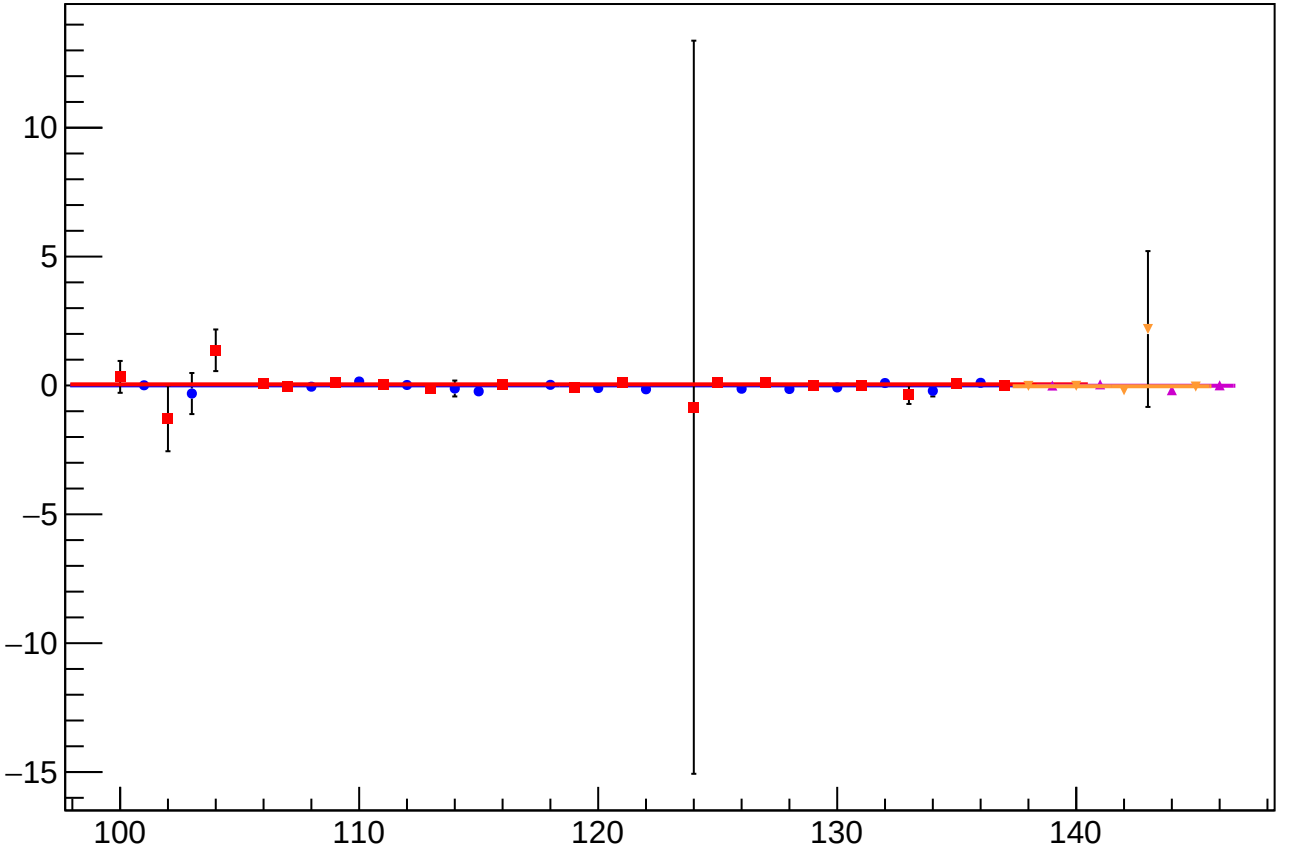
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 61.327+/-0.015 χ^2/NDF:3202032.2/19

Out: 52.424+/-0.014 χ^2/NDF:6265137.3/23

All: 56.613+/-0.010 χ^2/NDF: 9649520.2/43

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: -0.031+/-0.035 χ^2/NDF:1.8/4

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.011+/-0.035 χ^2/NDF:2.8/3

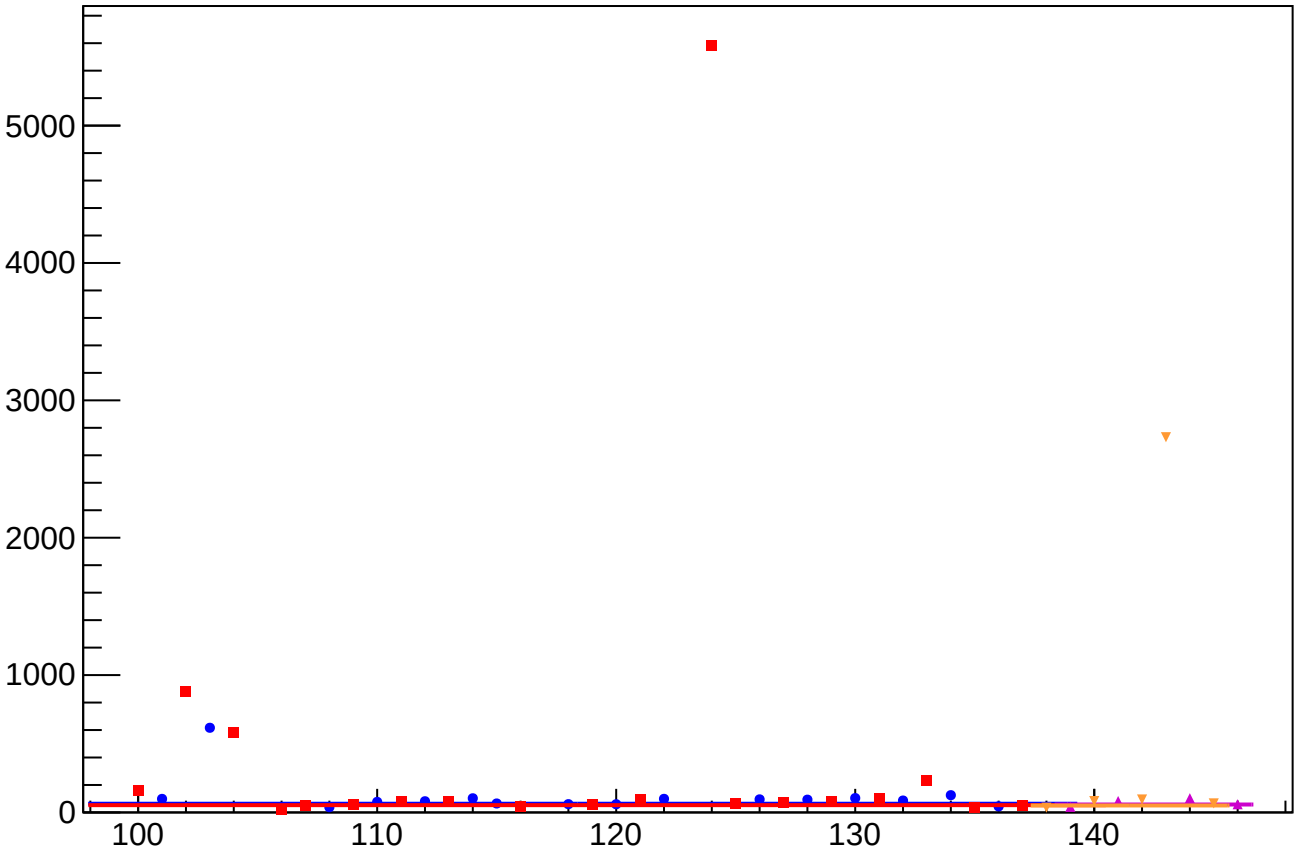
Left: -0.021+/-0.025 χ^2/NDF: 4.8/8

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.021 χ^2/NDF:16.2/19

Out: 0.018+/-0.020 χ^2/NDF:17.6/23

All: 0.009+/-0.015 χ^2/NDF: 34.2/43



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 50.893+/-0.025 χ^2/NDF:2312988.4/4

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.820+/-0.025 χ^2/NDF:725126.3/3

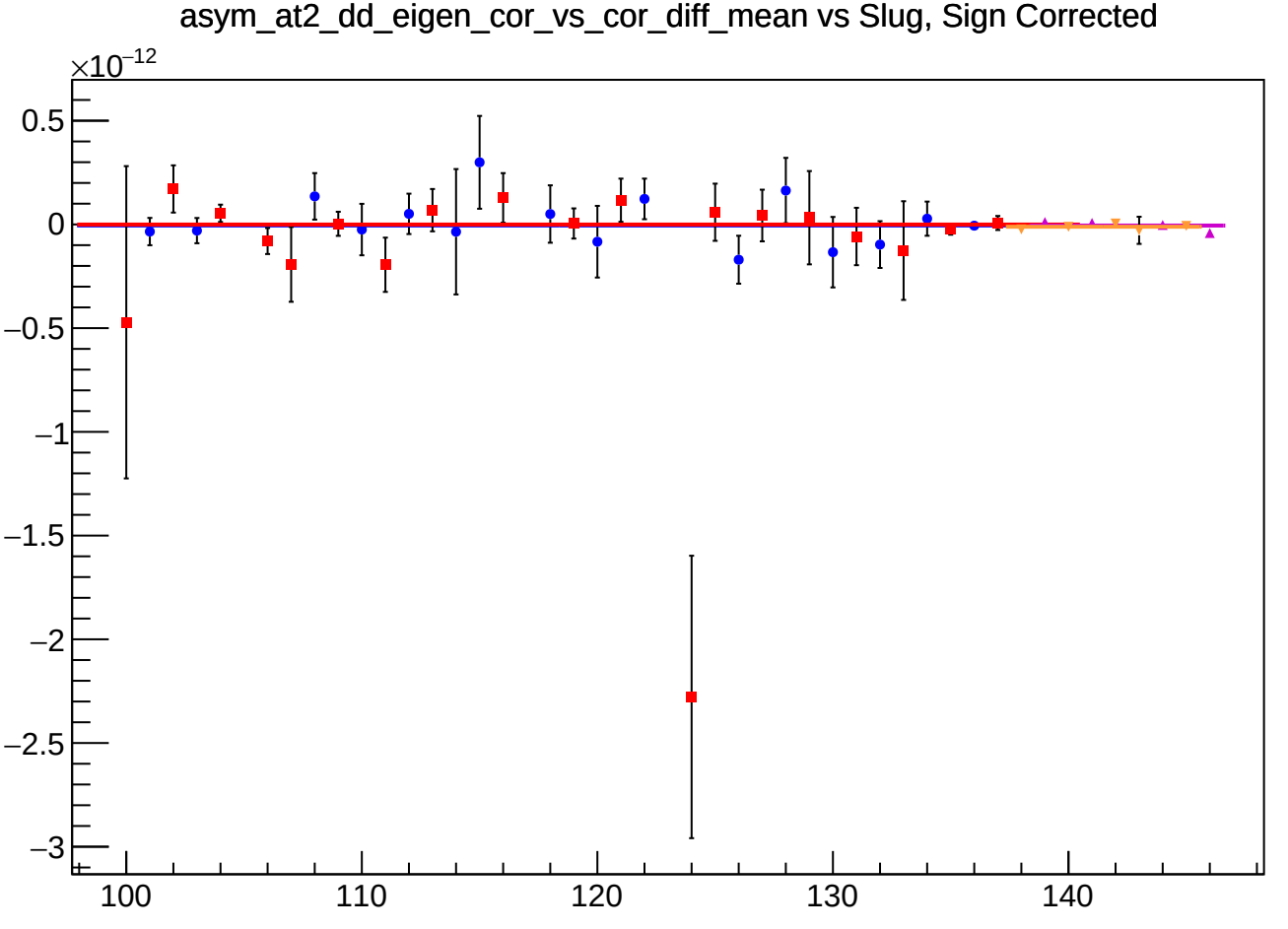
Left: 54.355+/-0.017 χ^2/NDF: 3077611.3/8

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 61.327+/-0.015 χ^2/NDF:3202032.2/19

Out: 52.424+/-0.014 χ^2/NDF:6265137.3/23

All: 56.613+/-0.010 χ^2/NDF: 9649520.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/3

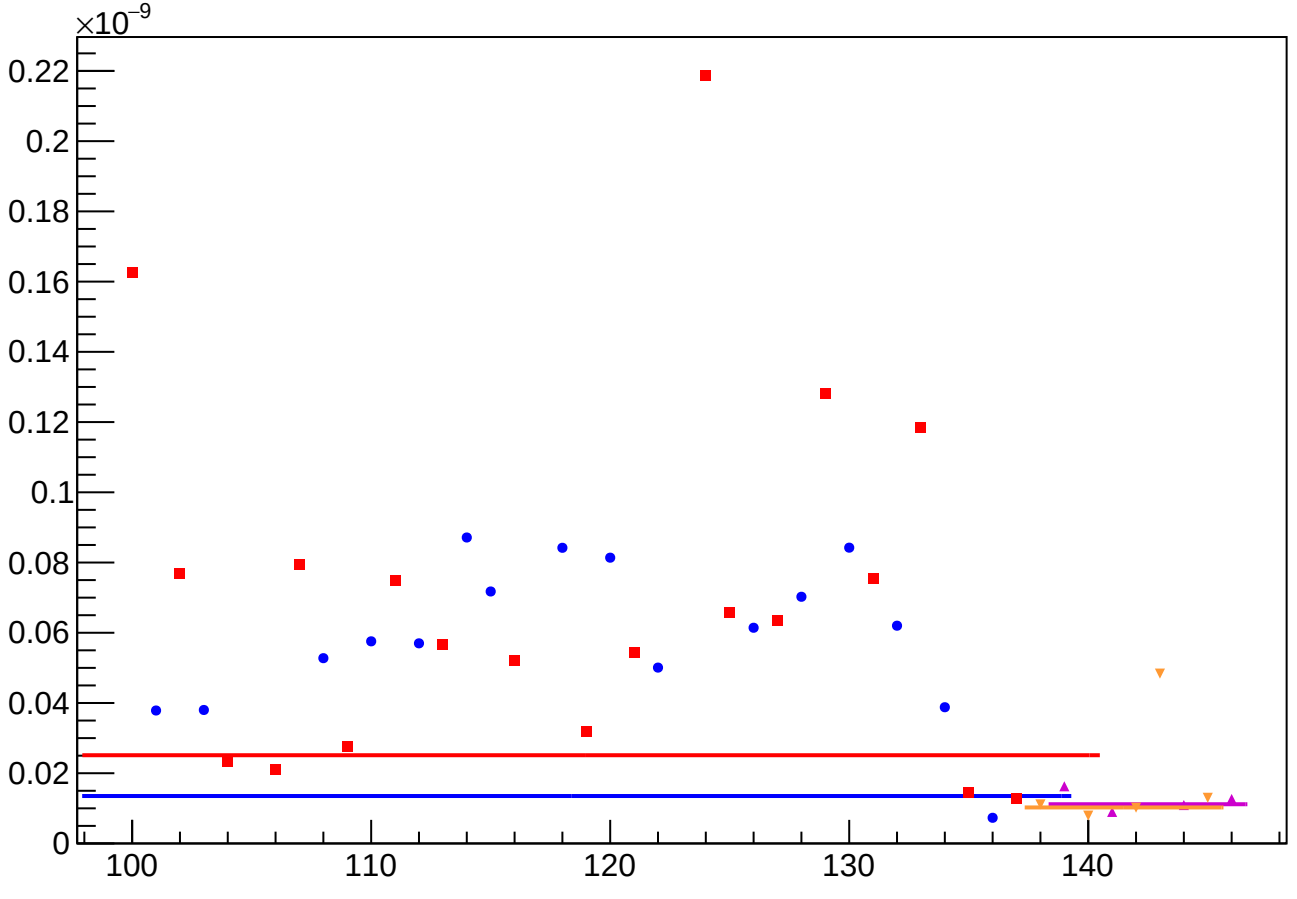
Left: -0.000+/-0.000 χ^2/NDF: 8.6/8

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:17.6/19

Out: -0.000+/-0.000 χ^2/NDF:27.0/23

All: -0.000+/-0.000 χ^2/NDF: 44.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:840124.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:192061.3/3

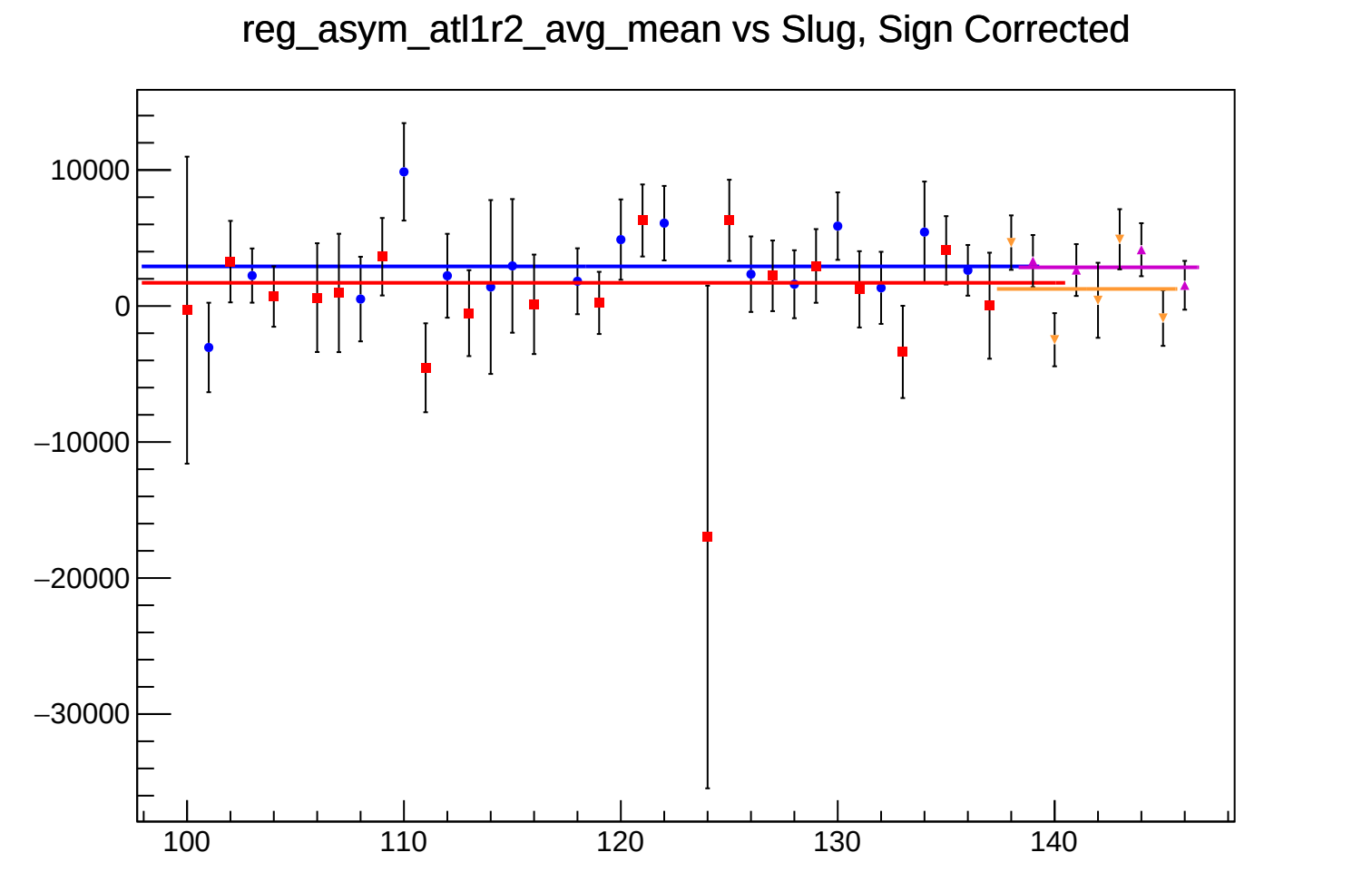
Left: 0.000+/-0.000 χ^2/NDF: 1048109.9/8

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5253654.0/19

Out: 0.000+/-0.000 χ^2/NDF:6020226.5/23

All: 0.000+/-0.000 χ^2/NDF: 11297798.7/43



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1254.460+/-959.680 χ^2/NDF:10.5/4

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2845.766+/-944.148 χ^2/NDF:1.1/3

Left: 2063.094+/-673.037 χ^2/NDF: 12.9/8

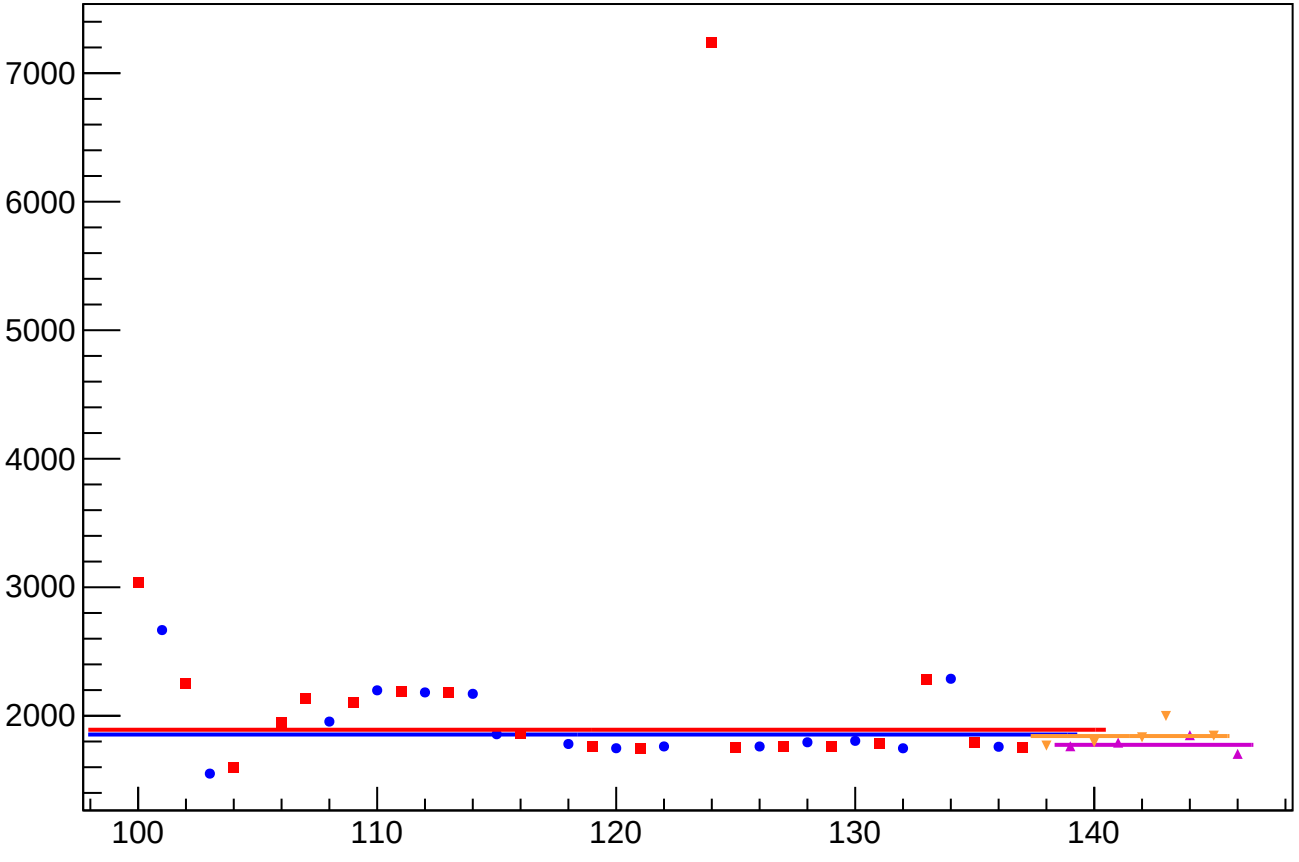
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2889.363+/-559.741 χ^2/NDF:13.5/19

Out: 1546.483+/-569.132 χ^2/NDF:26.4/23

All: 2229.093+/-399.075 χ^2/NDF: 42.7/43

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1842.484+/-0.679 χ^2/NDF:13984.9/4

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

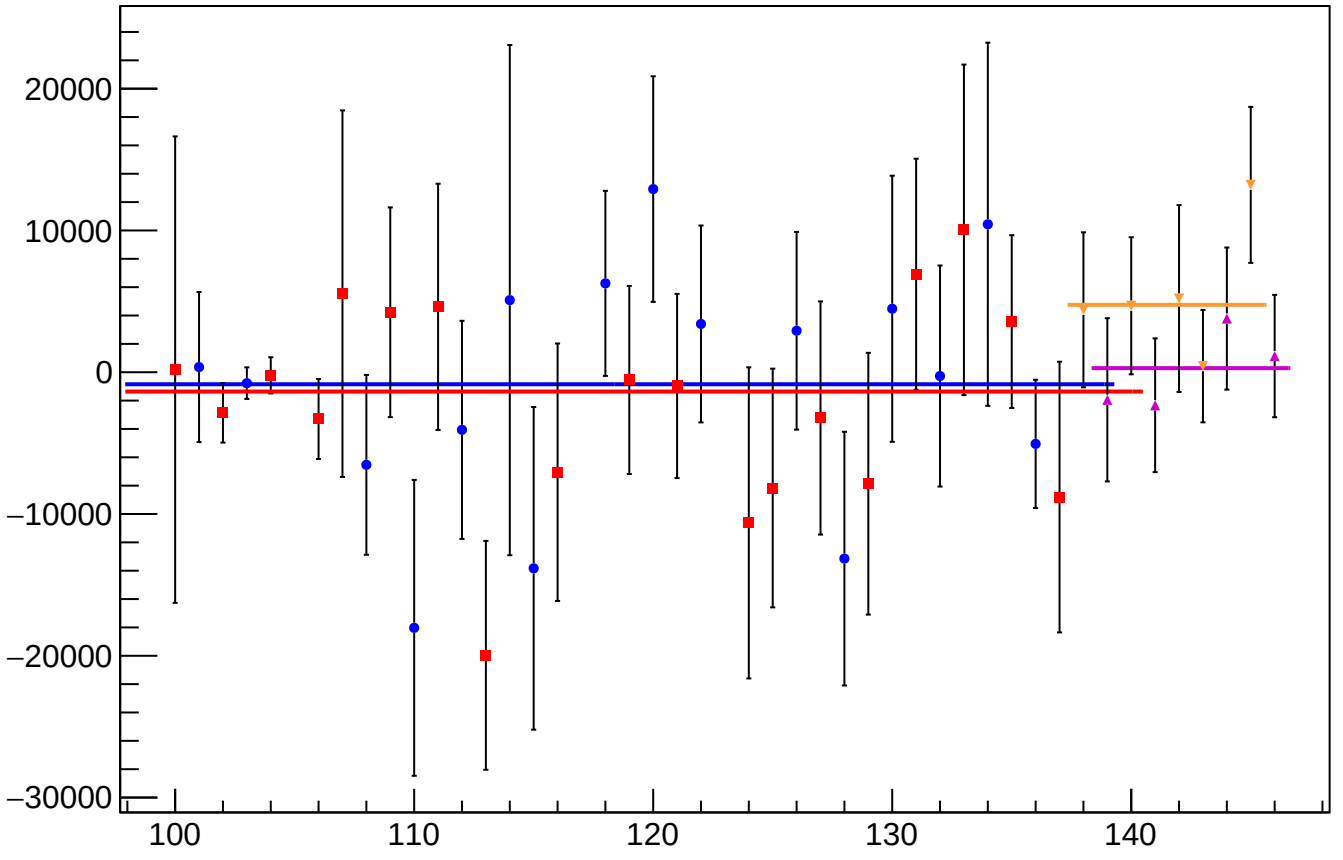
Left: 1807.717+/-0.476 χ^2/NDF: 25409.9/8

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1826.109+/-0.396 χ^2/NDF:278952.1/19

Out: 1874.293+/-0.402 χ^2/NDF:381419.1/23

All: 1849.836+/-0.282 χ^2/NDF: 667669.4/43



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 4755.183+/-2259.047 χ^2/NDF:3.6/4

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 288.346+/-2435.519 χ^2/NDF:1.0/3

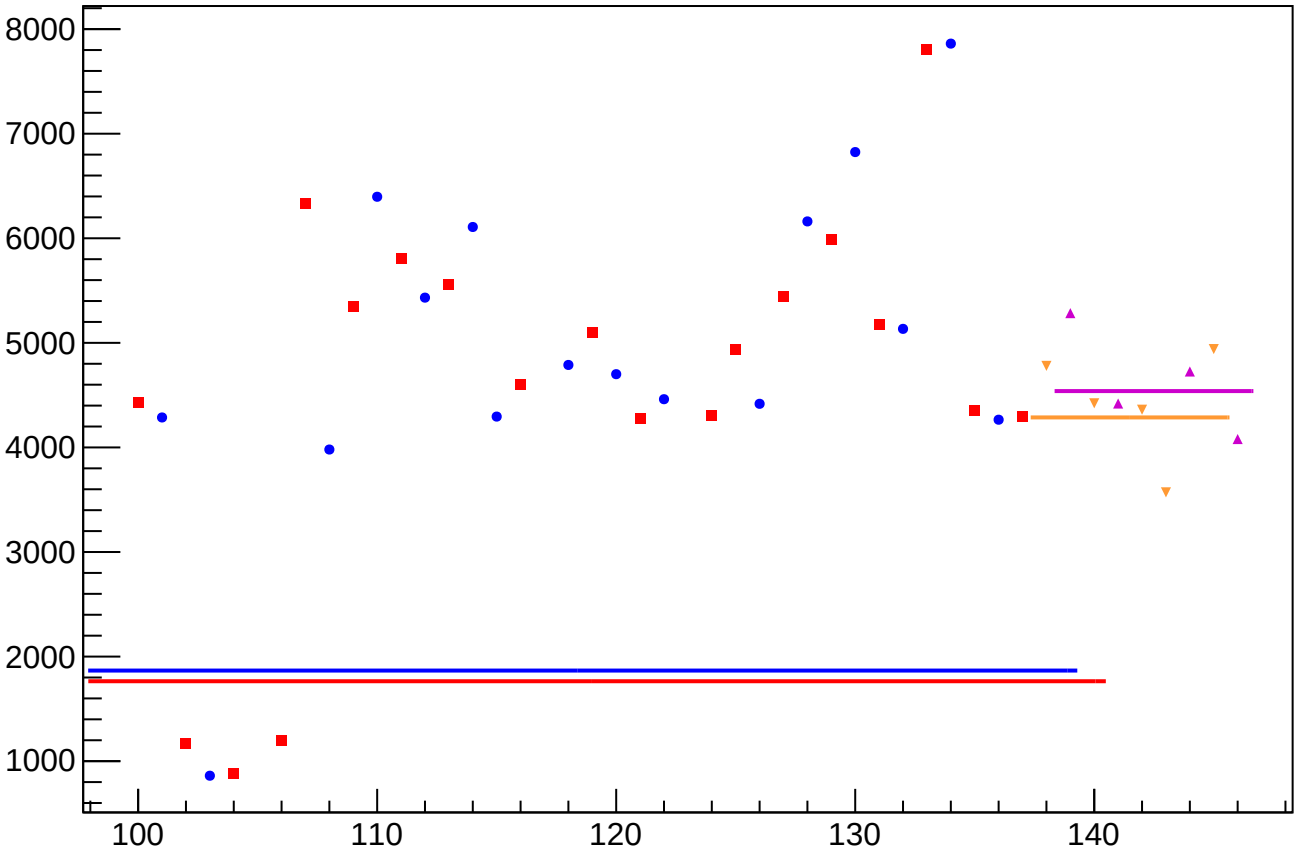
Left: 2689.439+/-1656.265 χ^2/NDF: 6.4/8

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -694.366+/-895.472 χ^2/NDF:15.0/19

Out: -497.970+/-848.811 χ^2/NDF:23.9/23

All: -590.918+/-616.036 χ^2/NDF: 38.9/43



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4286.934+/-1.597 χ^2/NDF:111599.2/4

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4538.816+/-1.722 χ^2/NDF:60162.5/3

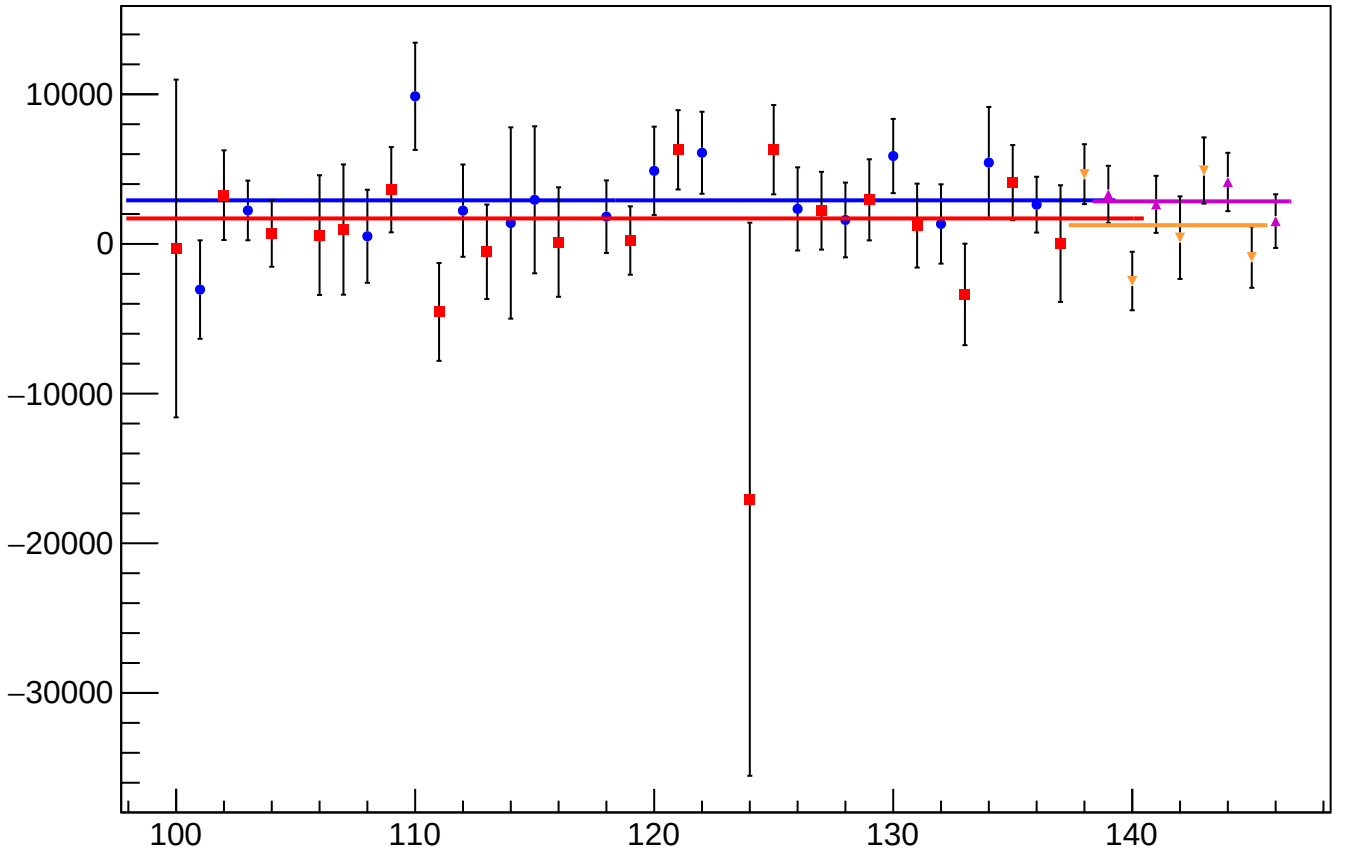
Left: 4403.420+/-1.171 χ^2/NDF: 183260.5/8

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2227.669+/-0.633 χ^2/NDF:8992266.3/19

Out: 2120.428+/-0.600 χ^2/NDF:8688294.8/23

All: 2171.182+/-0.436 χ^2/NDF: 17695670.1/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1254.504+/-959.680 χ^2/NDF:10.5/4

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2846.029+/-944.148 χ^2/NDF:1.1/3

Left: 2063.250+/-673.037 χ^2/NDF: 12.9/8

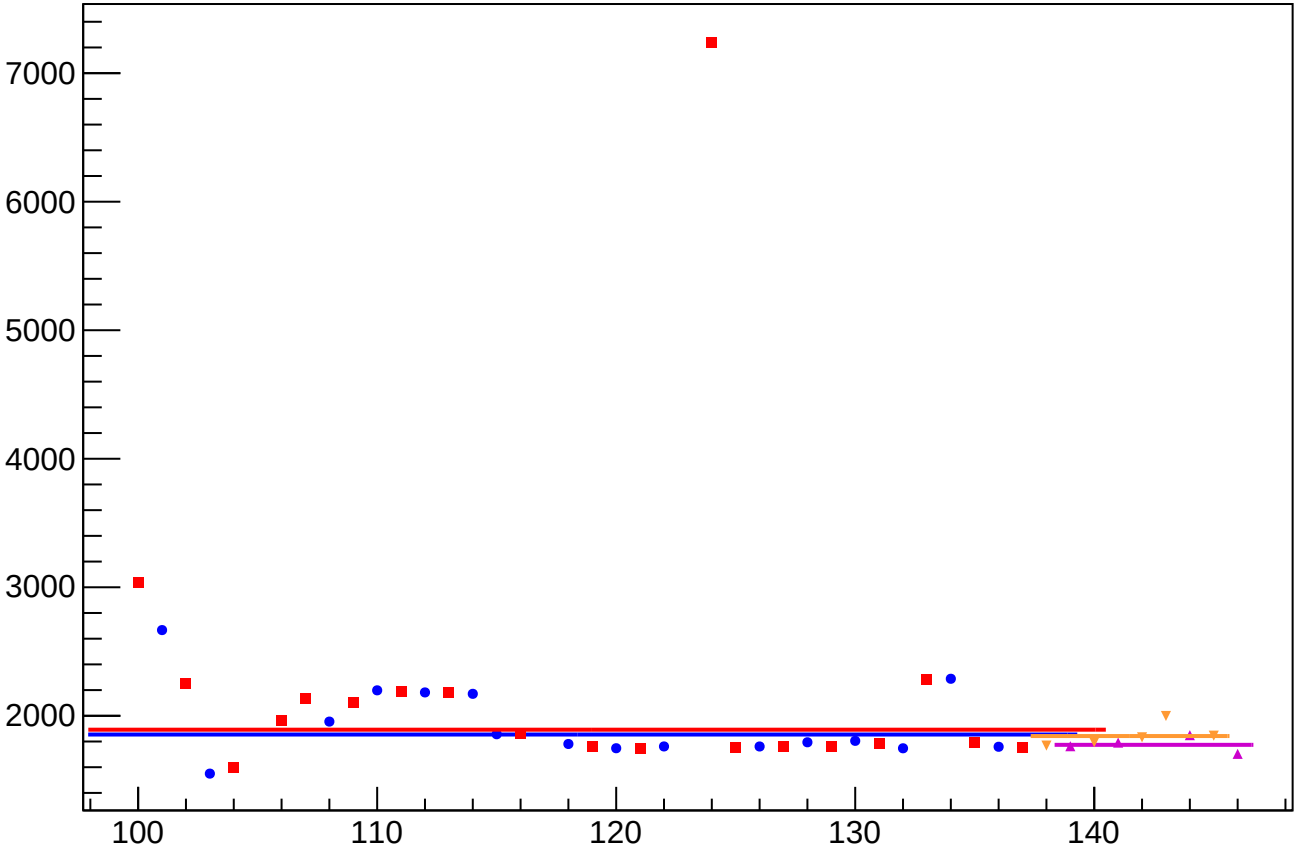
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2889.520+/-559.741 χ^2/NDF:13.5/19

Out: 1545.603+/-569.132 χ^2/NDF:26.4/23

All: 2228.741+/-399.075 χ^2/NDF: 42.8/43

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1842.484+/-0.679 χ^2/NDF:13984.9/4

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

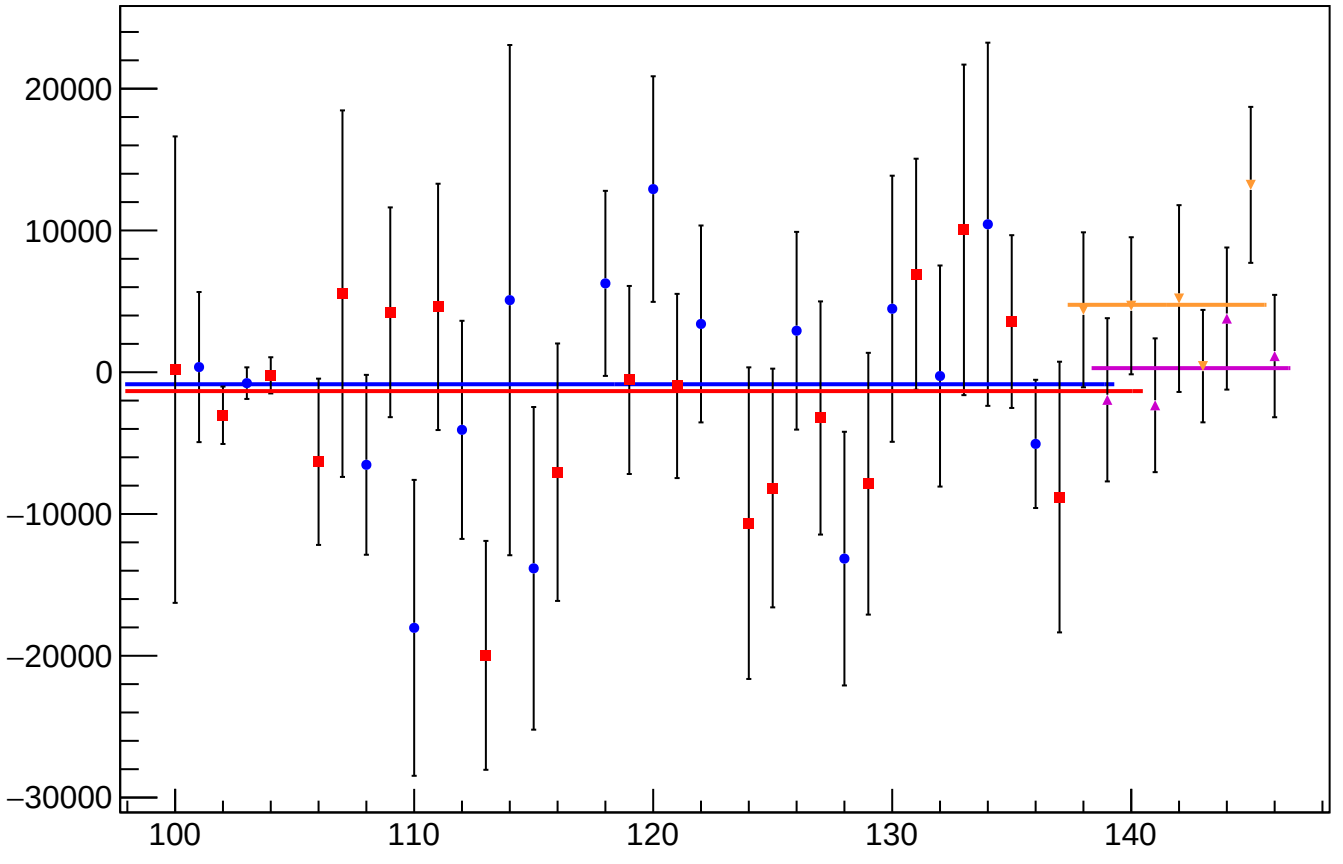
Left: 1807.717+/-0.476 χ^2/NDF: 25409.9/8

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1826.109+/-0.396 χ^2/NDF:278952.0/19

Out: 1874.585+/-0.402 χ^2/NDF:381723.7/23

All: 1849.977+/-0.282 χ^2/NDF: 668061.6/43



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 4755.108+/-2259.038 χ^2/NDF:3.6/4

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 288.449+/-2435.517 χ^2/NDF:1.0/3

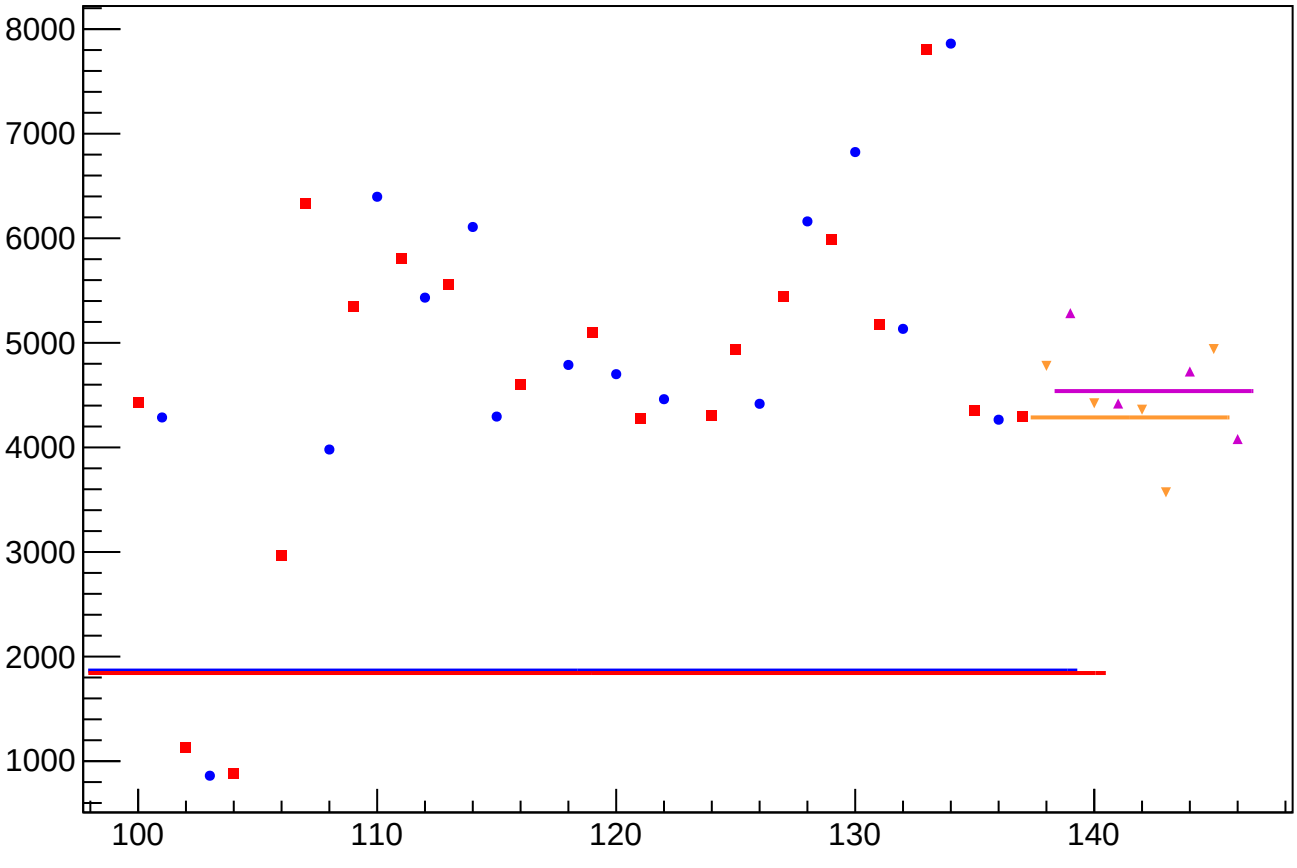
Left: 2689.454+/-1656.260 χ^2/NDF: 6.4/8

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -693.957+/-895.430 χ^2/NDF:15.0/19

Out: -419.745+/-874.277 χ^2/NDF:24.2/23

All: -553.574+/-625.552 χ^2/NDF: 39.3/43



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4286.914+/-1.597 χ^2/NDF:111604.7/4

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4538.812+/-1.722 χ^2/NDF:60162.4/3

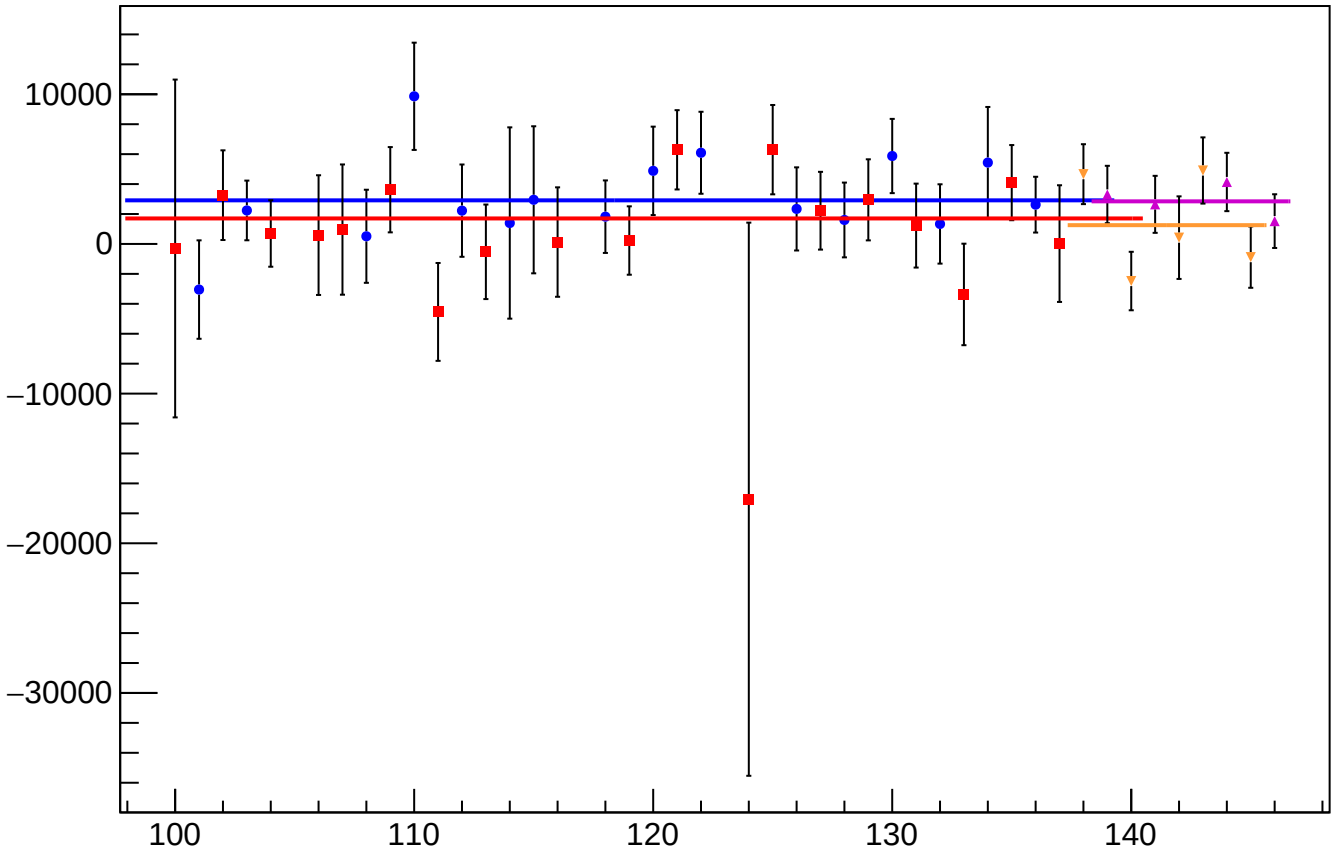
Left: 4403.407+/-1.171 χ^2/NDF: 183267.3/8

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2227.501+/-0.633 χ^2/NDF:8992955.6/19

Out: 2208.947+/-0.618 χ^2/NDF:8560407.9/23

All: 2218.002+/-0.442 χ^2/NDF: 17553803.2/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1254.504+/-959.680 χ^2/NDF:10.5/4

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2846.029+/-944.148 χ^2/NDF:1.1/3

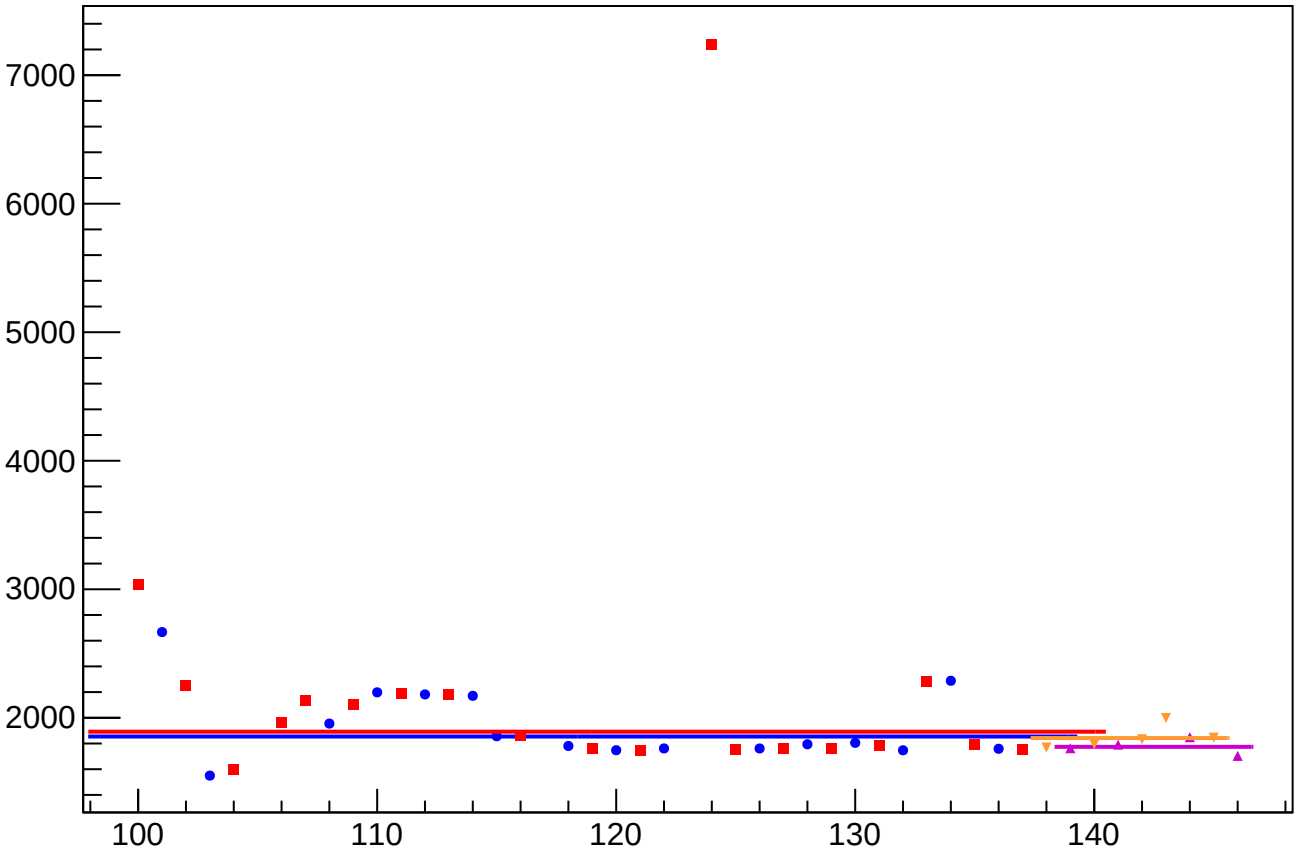
Left: 2063.250+/-673.037 χ^2/NDF: 12.9/8

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2889.520+/-559.741 χ^2/NDF:13.5/19

Out: 1545.603+/-569.132 χ^2/NDF:26.4/23

All: 2228.741+/-399.075 χ^2/NDF: 42.8/43



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1842.484+/-0.679 χ^2/NDF:13984.9/4

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

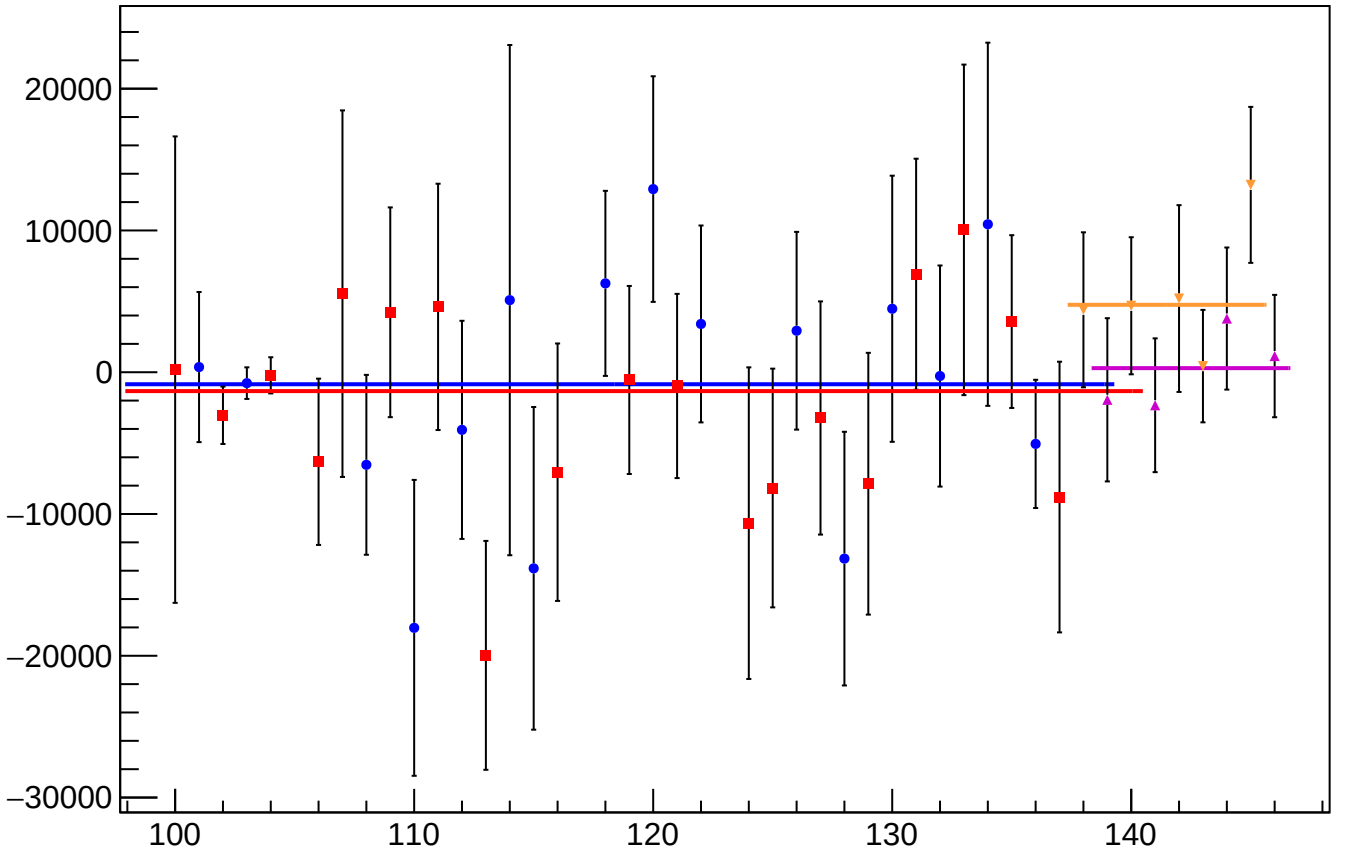
Left: 1807.717+/-0.476 χ^2/NDF: 25409.9/8

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1826.109+/-0.396 χ^2/NDF:278952.0/19

Out: 1874.585+/-0.402 χ^2/NDF:381723.7/23

All: 1849.977+/-0.282 χ^2/NDF: 668061.6/43



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 4755.108+/-2259.038 χ^2/NDF:3.6/4

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 288.449+/-2435.517 χ^2/NDF:1.0/3

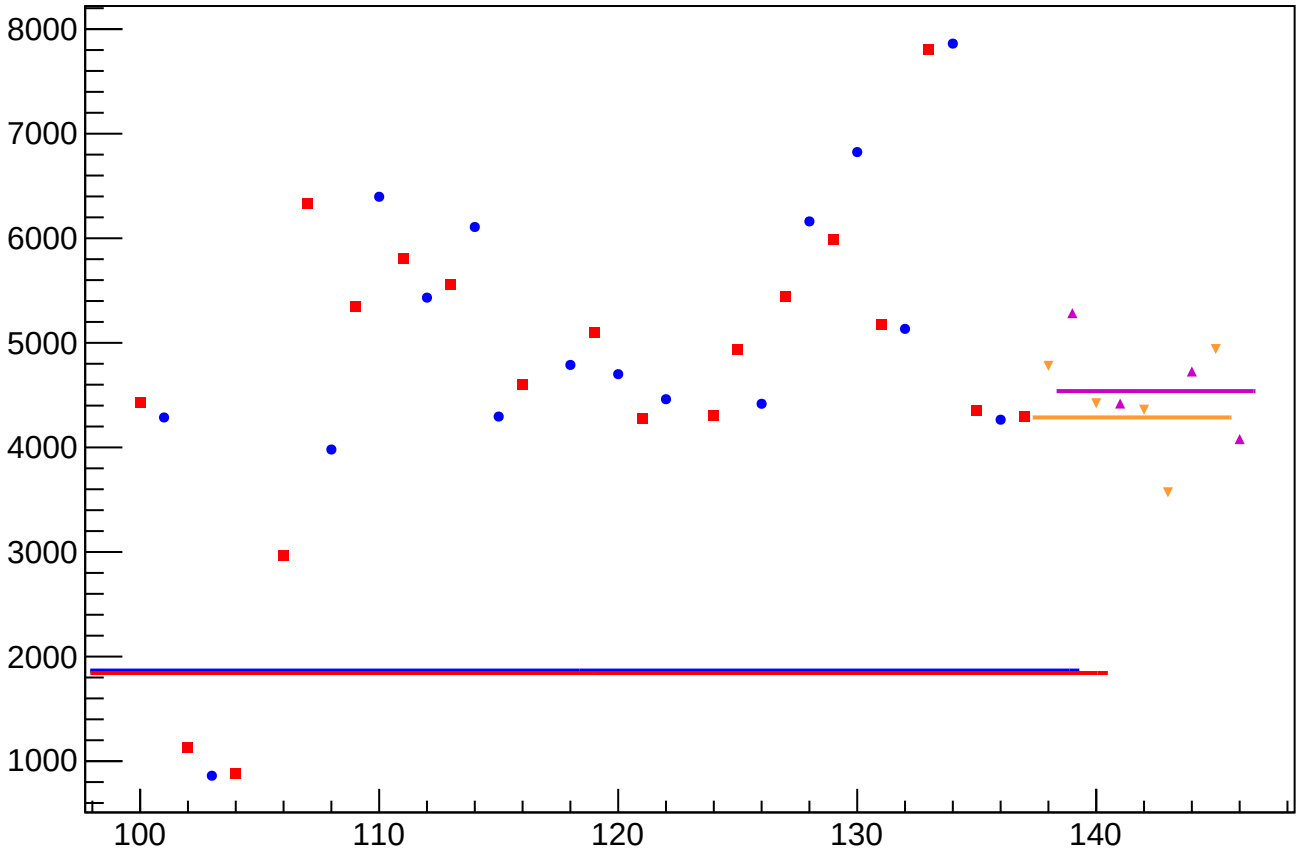
Left: 2689.454+/-1656.260 χ^2/NDF: 6.4/8

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -693.957+/-895.430 χ^2/NDF:15.0/19

Out: -419.745+/-874.277 χ^2/NDF:24.2/23

All: -553.574+/-625.552 χ^2/NDF: 39.3/43



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4286.914+/-1.597 χ^2/NDF:111604.7/4

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4538.812+/-1.722 χ^2/NDF:60162.4/3

Left: 4403.407+/-1.171 χ^2/NDF: 183267.3/8

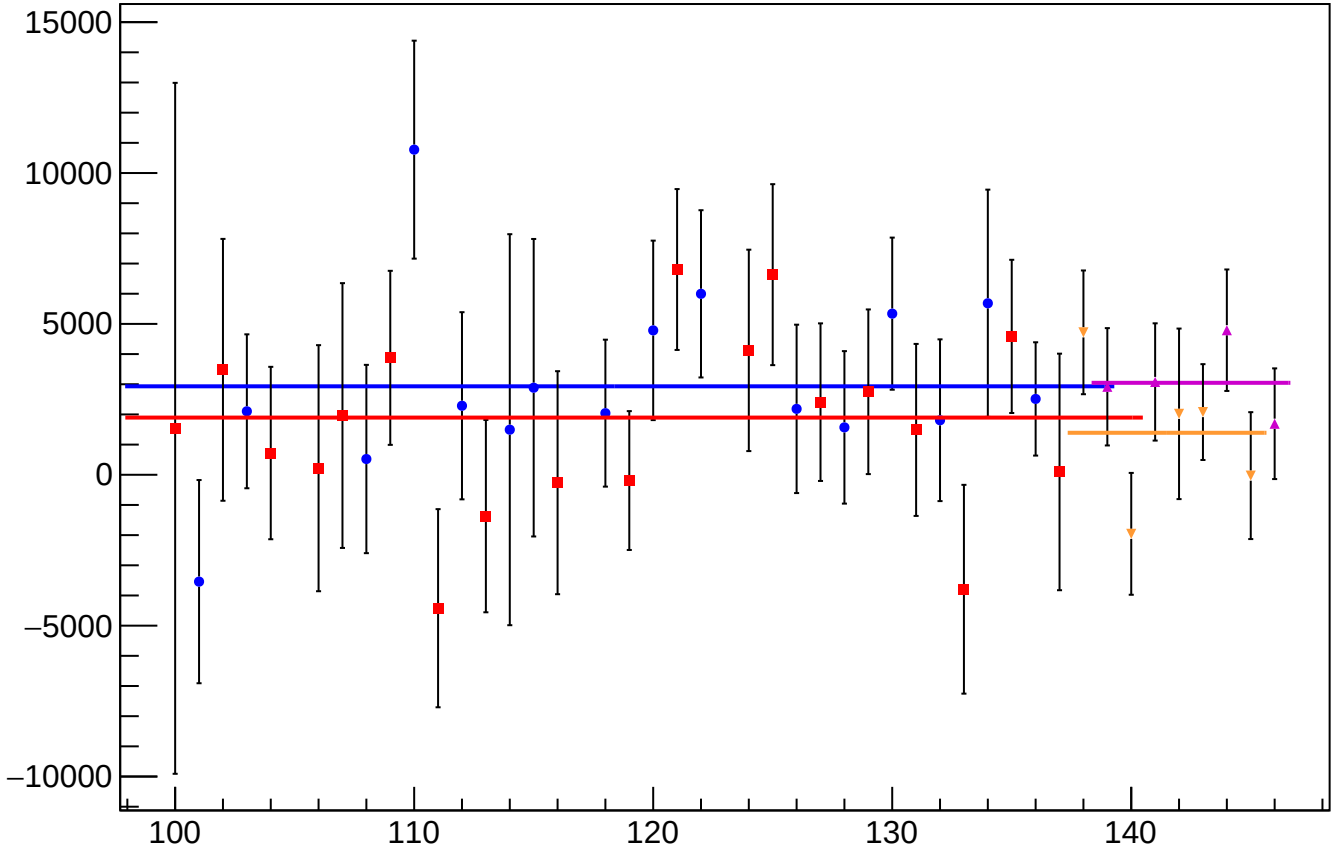
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2227.501+/-0.633 χ^2/NDF:8992955.6/19

Out: 2208.947+/-0.618 χ^2/NDF:8560407.9/23

All: 2218.002+/-0.442 χ^2/NDF: 17553803.2/4

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1391.804+/-901.259 χ^2/NDF:6.1/4

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 3047.597+/-965.176 χ^2/NDF:1.3/3

Left: 2163.063+/-658.725 χ^2/NDF: 9.0/8

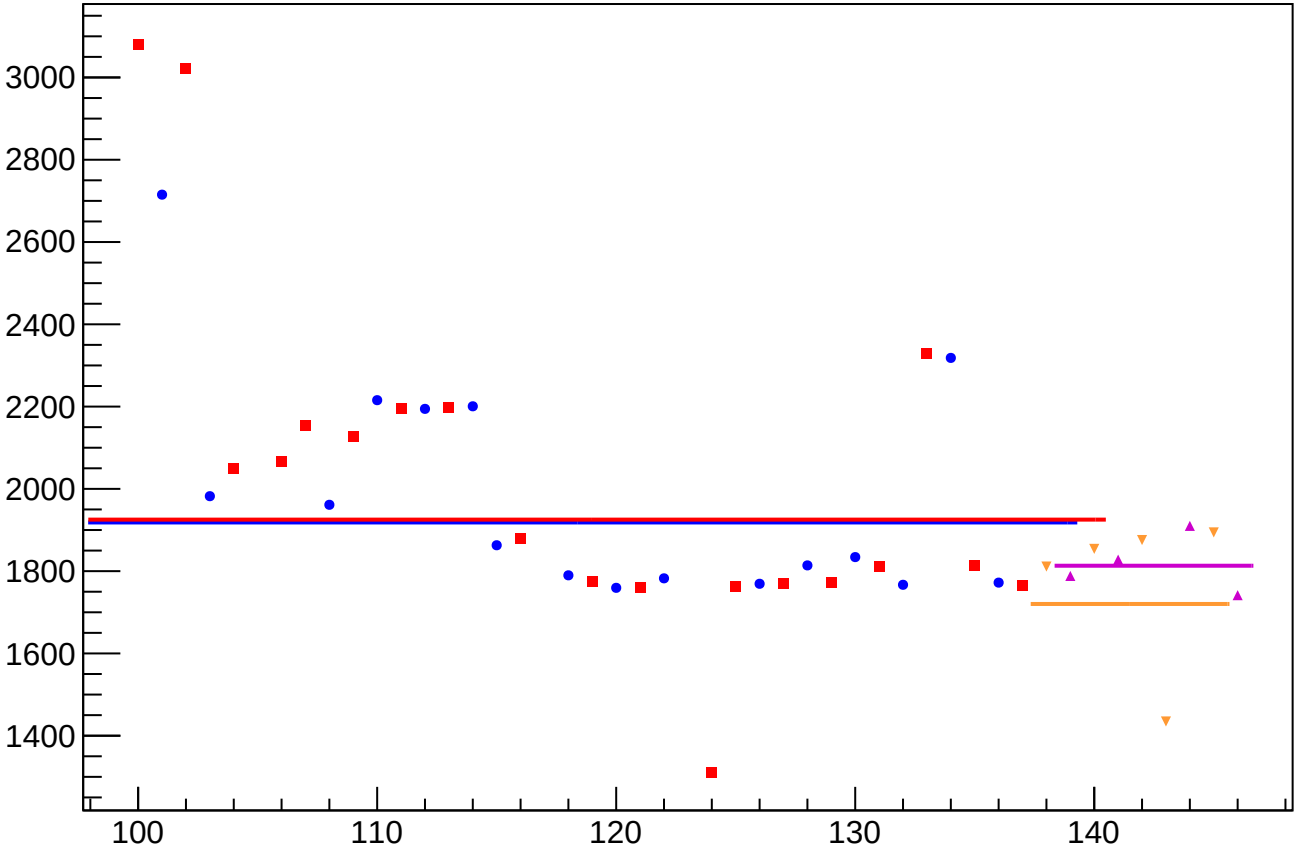
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2973.005+/-576.239 χ^2/NDF:14.3/19

Out: 1698.623+/-563.462 χ^2/NDF:23.7/23

All: 2321.530+/-402.869 χ^2/NDF: 40.4/43

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1720.230+/-0.637 χ^2/NDF:97178.4/4

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1813.191+/-0.682 χ^2/NDF:8120.9/3

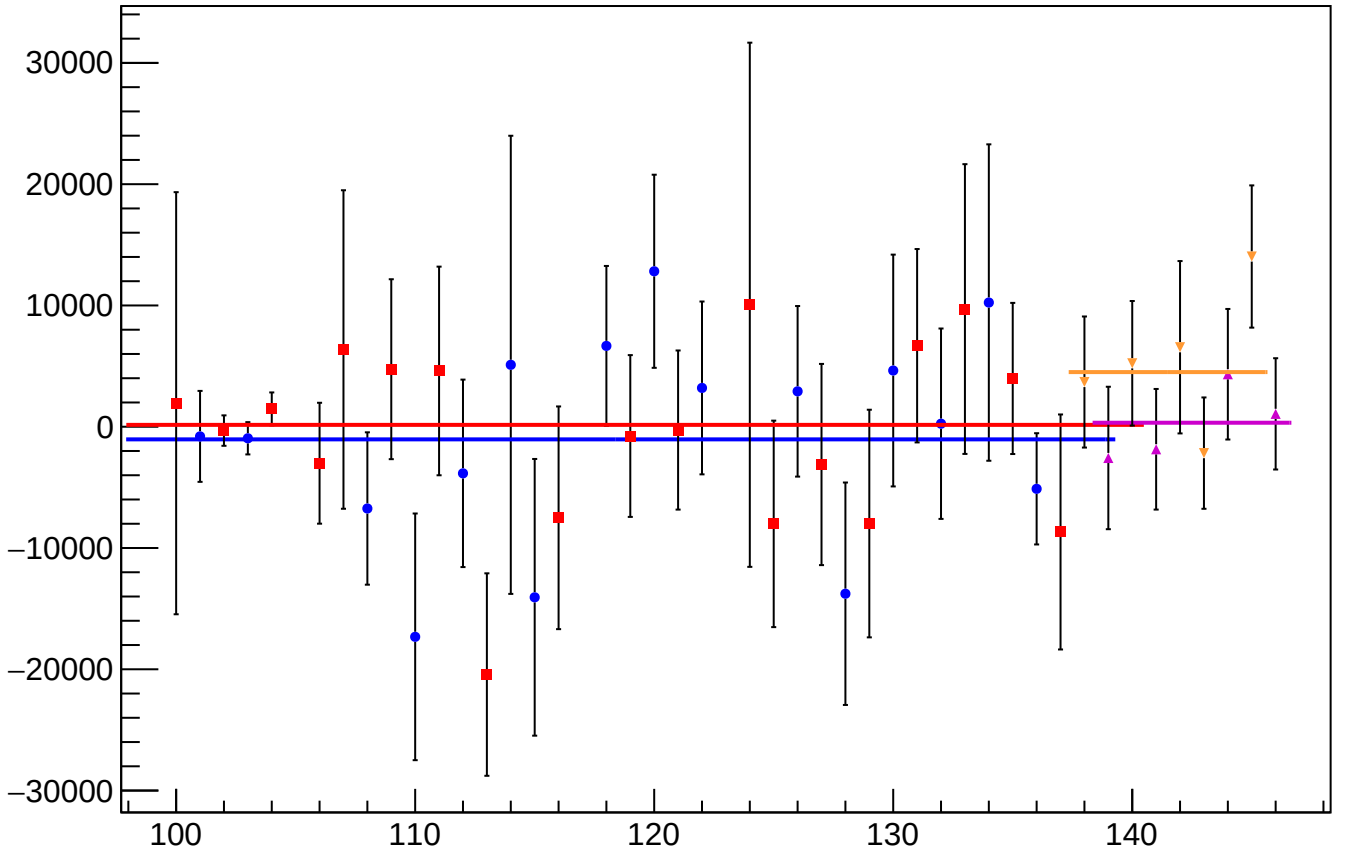
Left: 1763.530+/-0.466 χ^2/NDF: 115210.5/8

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1880.878+/-0.407 χ^2/NDF:238997.7/19

Out: 1845.200+/-0.398 χ^2/NDF:499363.1/23

All: 1862.630+/-0.285 χ^2/NDF: 742282.1/43



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 4506.157+/-2436.283 χ^2/NDF:4.9/4

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 329.968+/-2569.713 χ^2/NDF:1.0/3

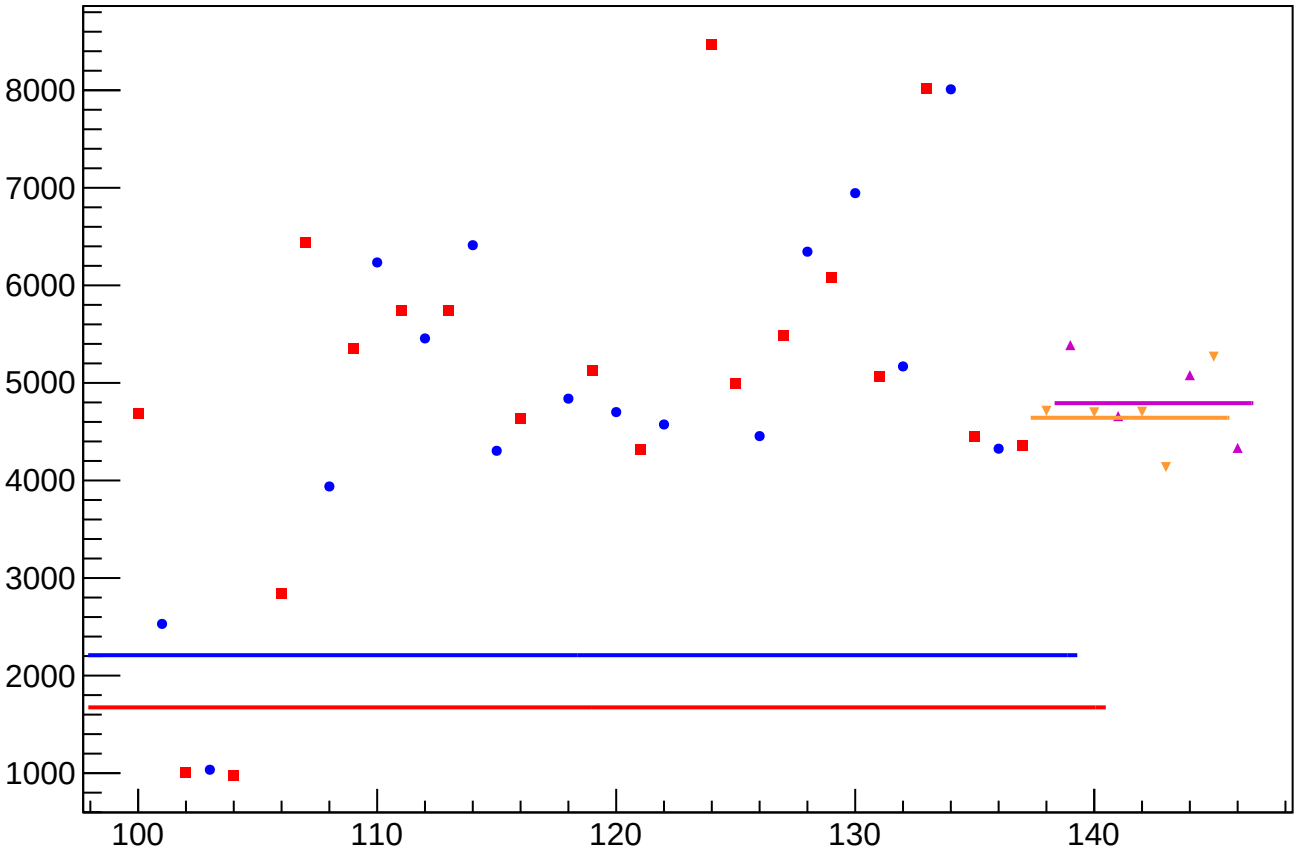
Left: 2529.296+/-1768.001 χ^2/NDF: 7.3/8

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -838.421+/-989.682 χ^2/NDF:15.1/19

Out: 611.798+/-790.449 χ^2/NDF:21.5/23

All: 46.990+/-617.632 χ^2/NDF: 37.9/43



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4642.751+/-1.723 χ^2/NDF:47778.6/4

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4792.557+/-1.817 χ^2/NDF:47614.4/3

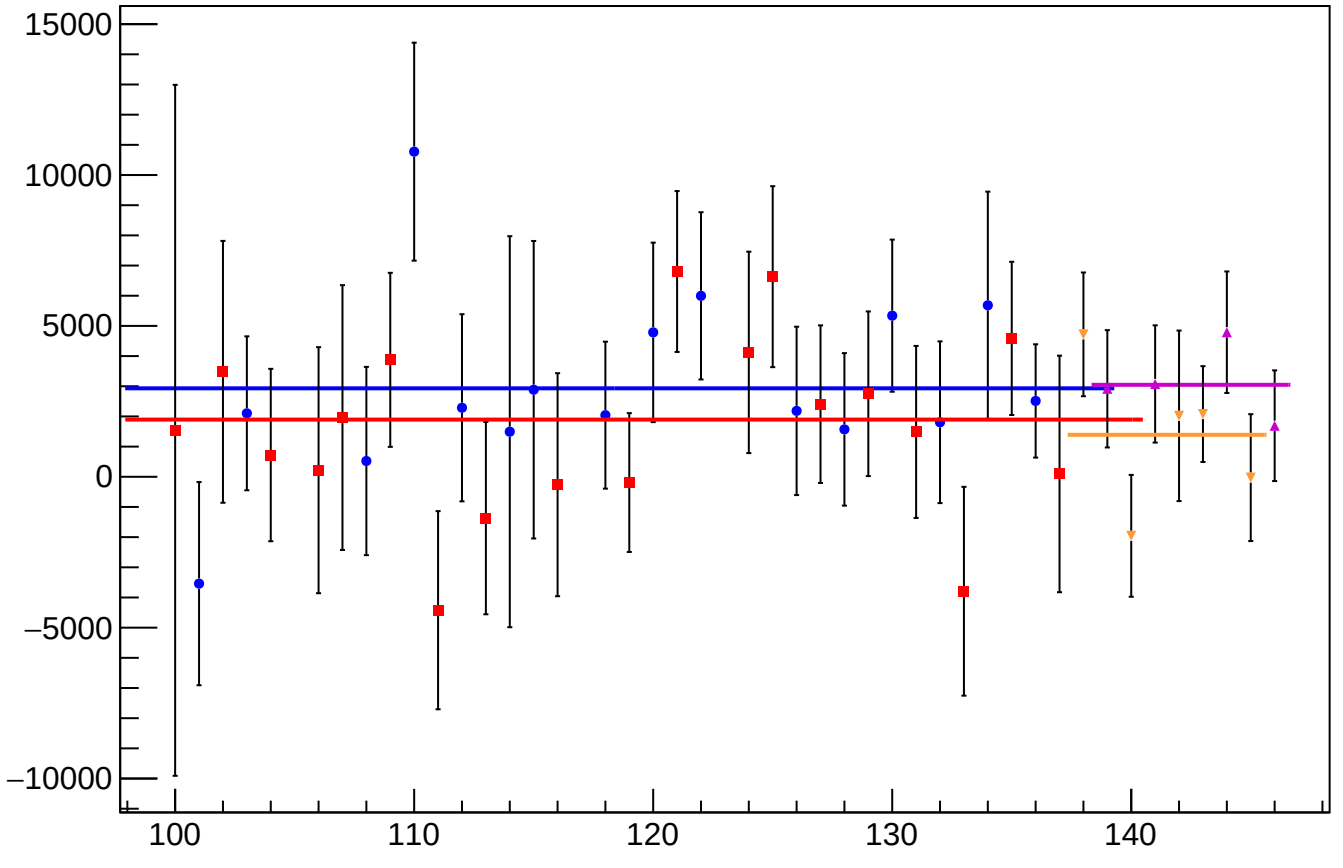
Left: 4713.664+/-1.250 χ^2/NDF: 98972.6/8

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2592.138+/-0.700 χ^2/NDF:7268490.9/19

Out: 1986.657+/-0.559 χ^2/NDF:9557847.3/23

All: 2222.470+/-0.437 χ^2/NDF: 17283375.0/4



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1391.807+/-901.260 χ^2/NDF:6.1/4

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 3047.589+/-965.177 χ^2/NDF:1.3/3

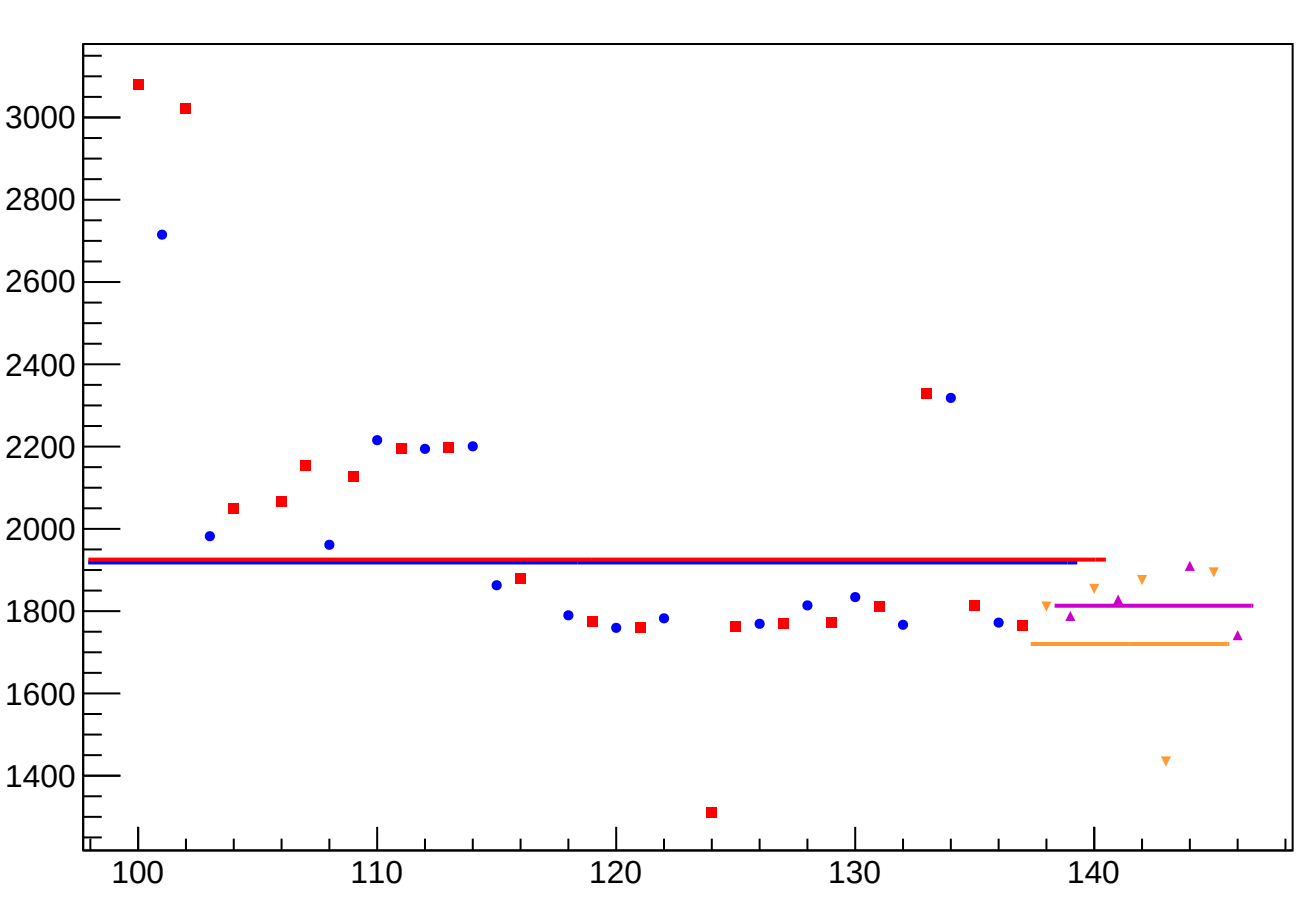
Left: 2163.062+/-658.725 χ^2/NDF: 9.0/8

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2973.003+/-576.239 χ^2/NDF:14.3/19

Out: 1698.628+/-563.462 χ^2/NDF:23.7/23

All: 2321.531+/-402.869 χ^2/NDF: 40.4/43



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1720.231+/-0.637 χ^2/NDF:97177.4/4

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1813.192+/-0.682 χ^2/NDF:8120.9/3

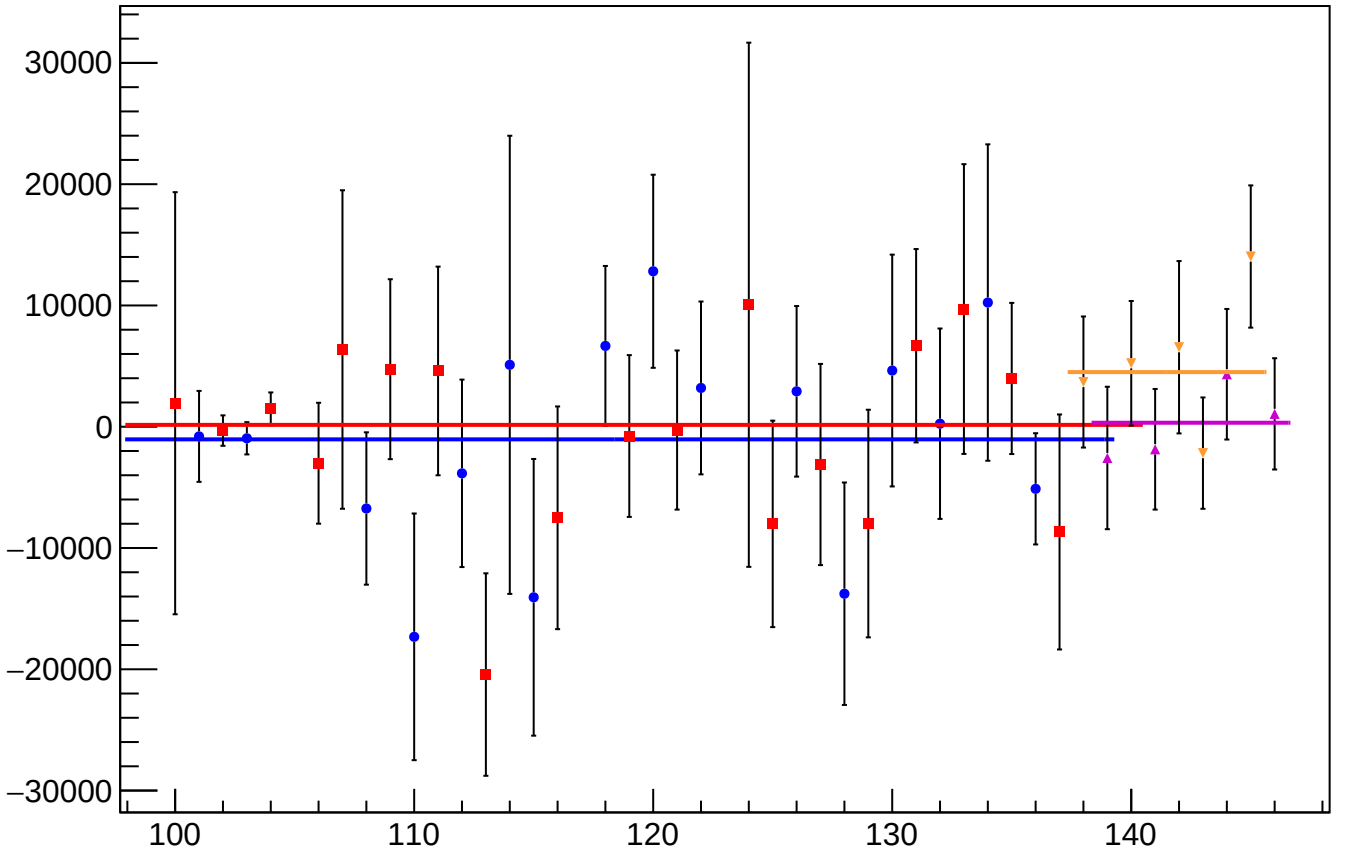
Left: 1763.532+/-0.466 χ^2/NDF: 115209.5/8

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1880.878+/-0.407 χ^2/NDF:238997.3/19

Out: 1845.200+/-0.398 χ^2/NDF:499359.9/23

All: 1862.630+/-0.285 χ^2/NDF: 742278.5/43



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 4506.166+/-2436.287 χ^2/NDF:4.9/4

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 329.957+/-2569.716 χ^2/NDF:1.0/3

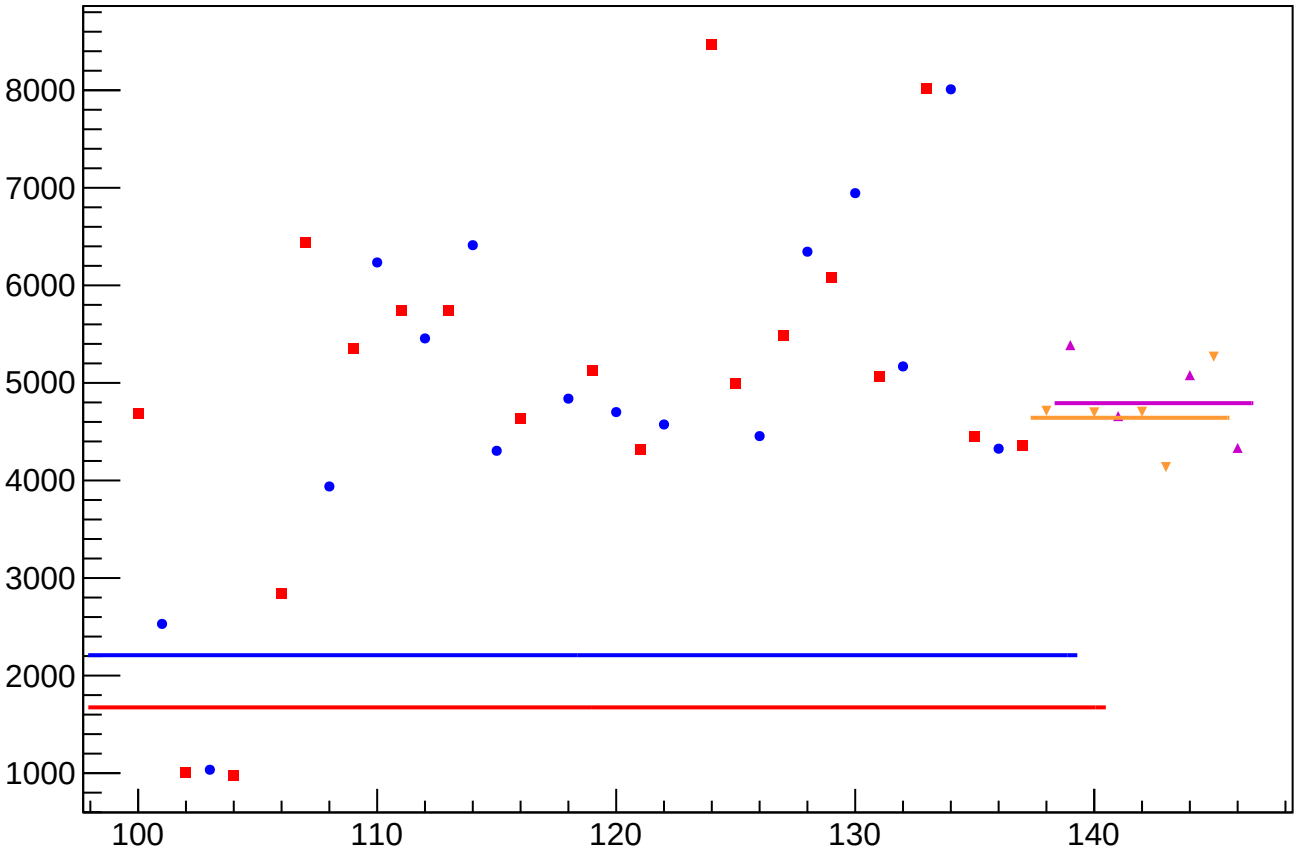
Left: 2529.294+/-1768.004 χ^2/NDF: 7.3/8

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -838.421+/-989.681 χ^2/NDF:15.1/19

Out: 611.793+/-790.449 χ^2/NDF:21.5/23

All: 46.986+/-617.631 χ^2/NDF: 37.9/43



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4642.757+/-1.723 χ^2/NDF:47778.4/4

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4792.562+/-1.817 χ^2/NDF:47614.6/3

Left: 4713.670+/-1.250 χ^2/NDF: 98972.6/8

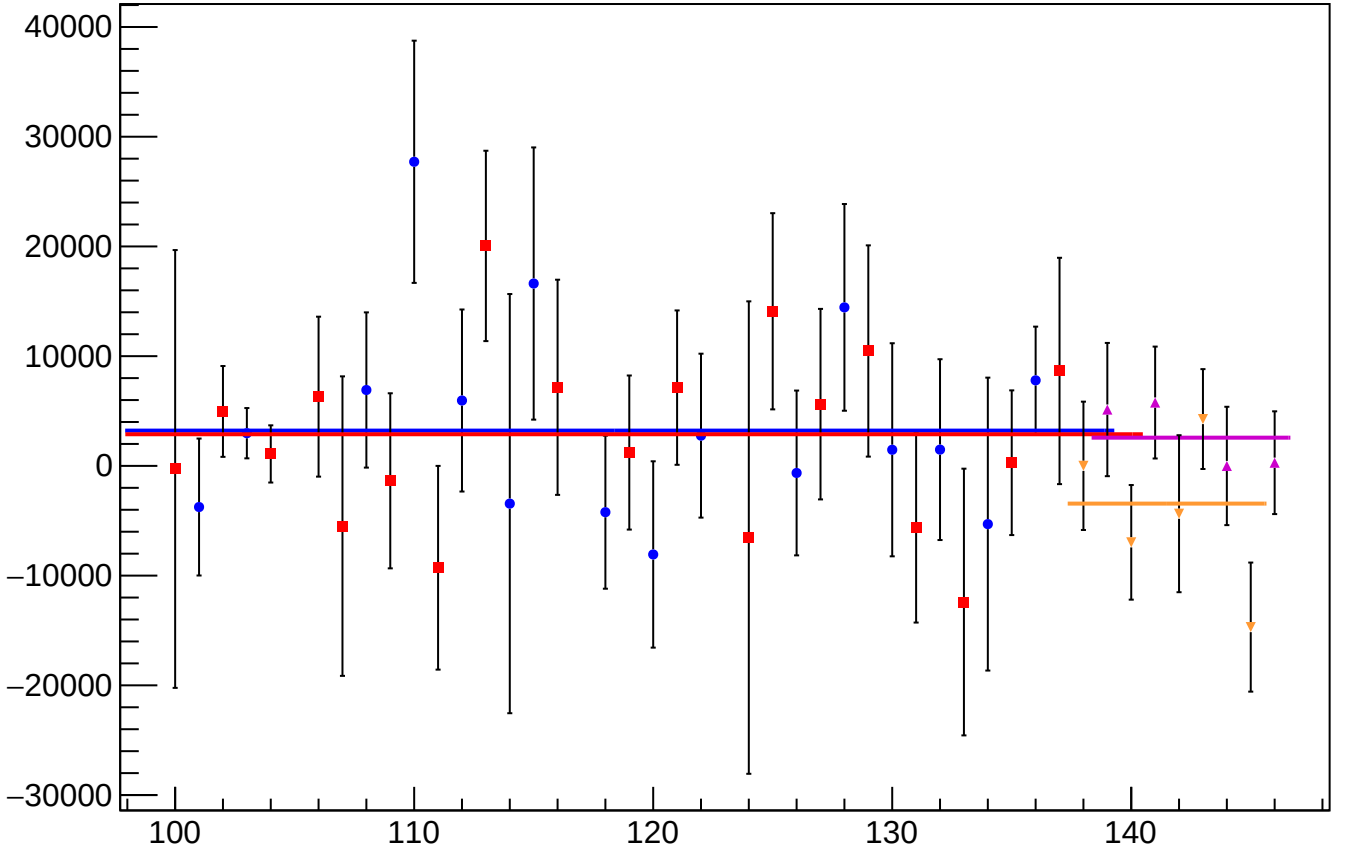
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2592.137+/-0.700 χ^2/NDF:7268489.3/19

Out: 1986.656+/-0.559 χ^2/NDF:9557844.9/23

All: 2222.469+/-0.437 χ^2/NDF: 17283370.8/4

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -3437.450+/-2479.871 χ^2/NDF:7.3/4

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2571.654+/-2621.034 χ^2/NDF:1.0/3

Left: -599.067+/-1801.371 χ^2/NDF: 11.2/8

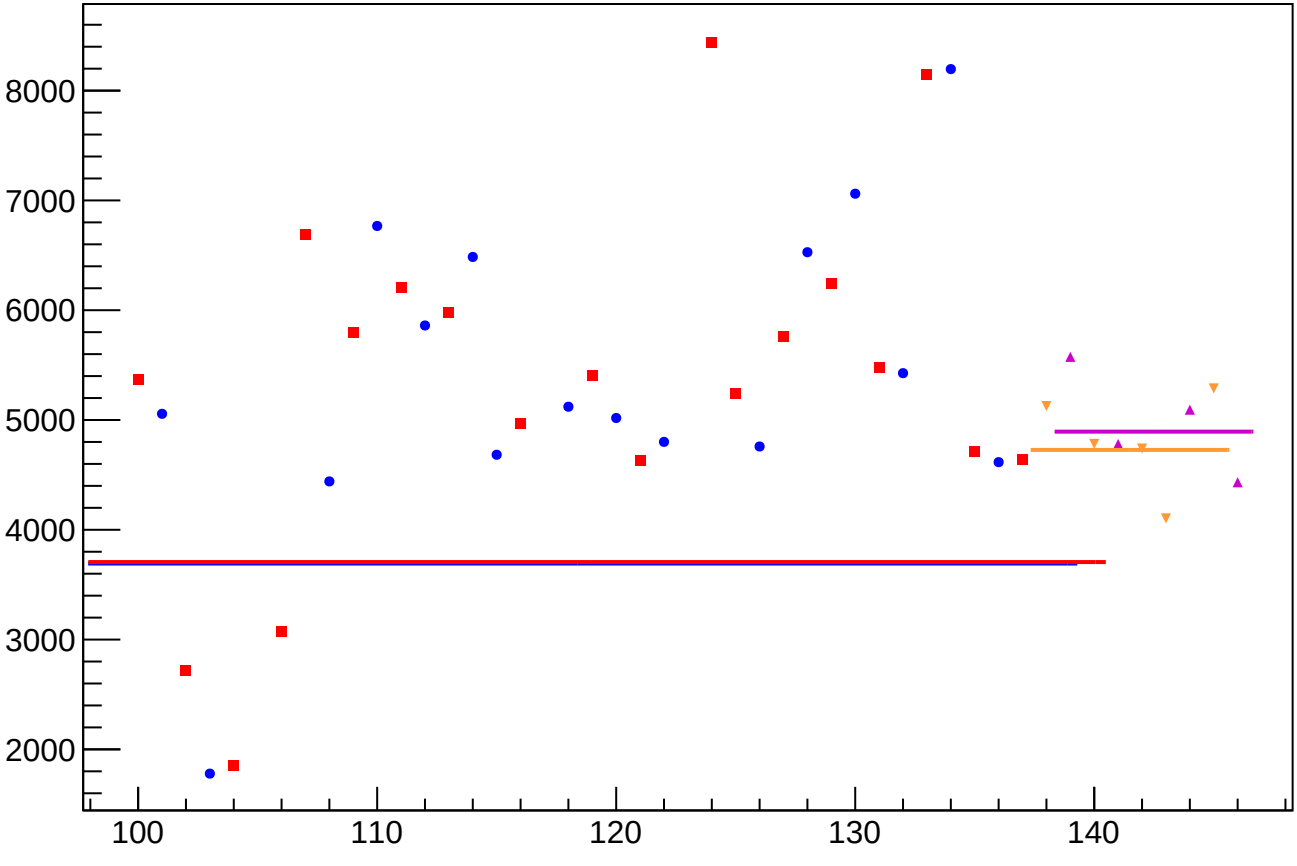
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 3050.534+/-1327.300 χ^2/NDF:14.9/19

Out: 1104.262+/-1315.670 χ^2/NDF:25.4/23

All: 2068.834+/-934.404 χ^2/NDF: 41.4/43

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4727.590+/-1.754 χ^2/NDF:65280.2/4

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4894.028+/-1.853 χ^2/NDF:48295.6/3

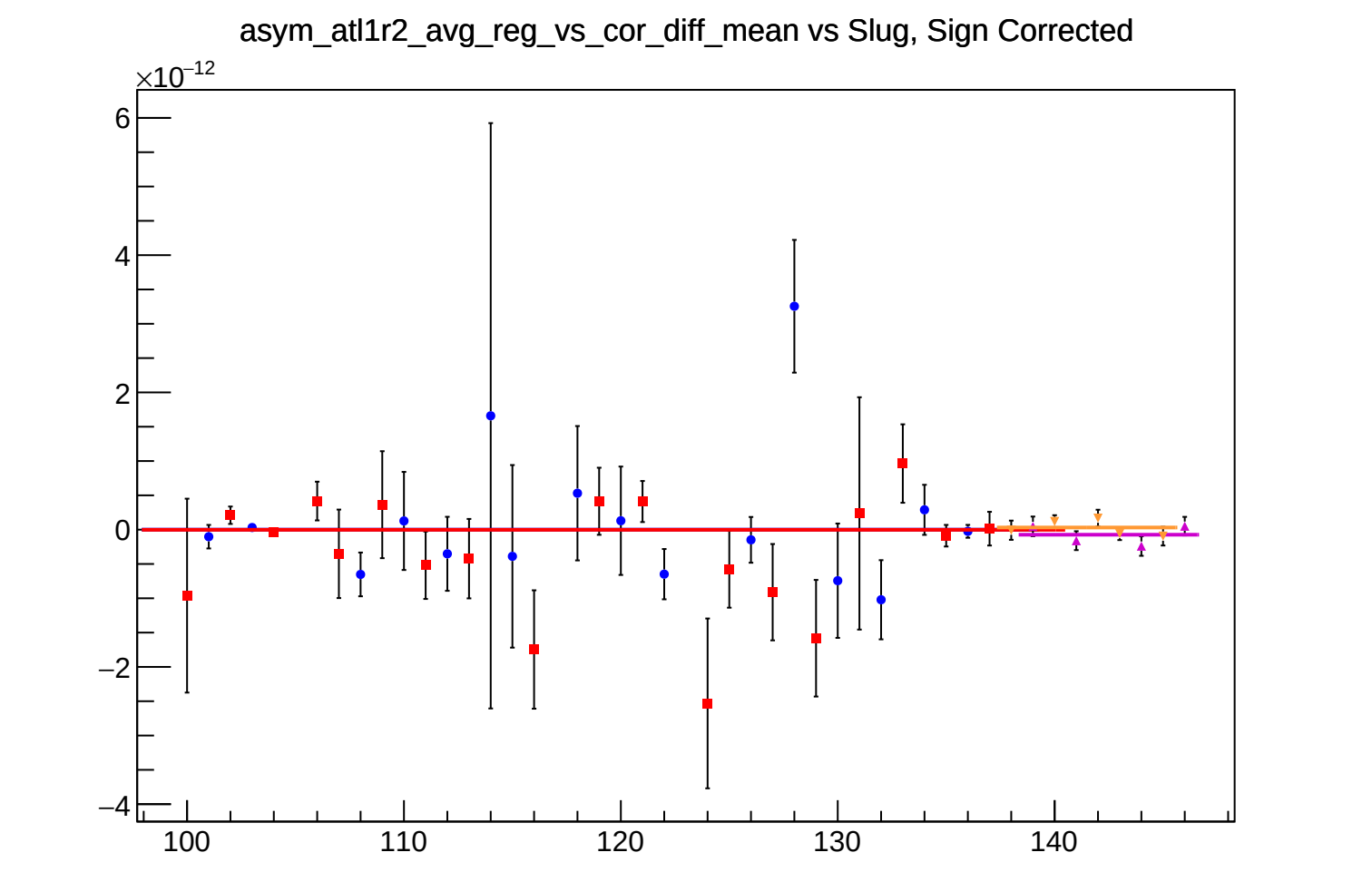
Left: 4806.206+/-1.274 χ^2/NDF: 117831.2/8

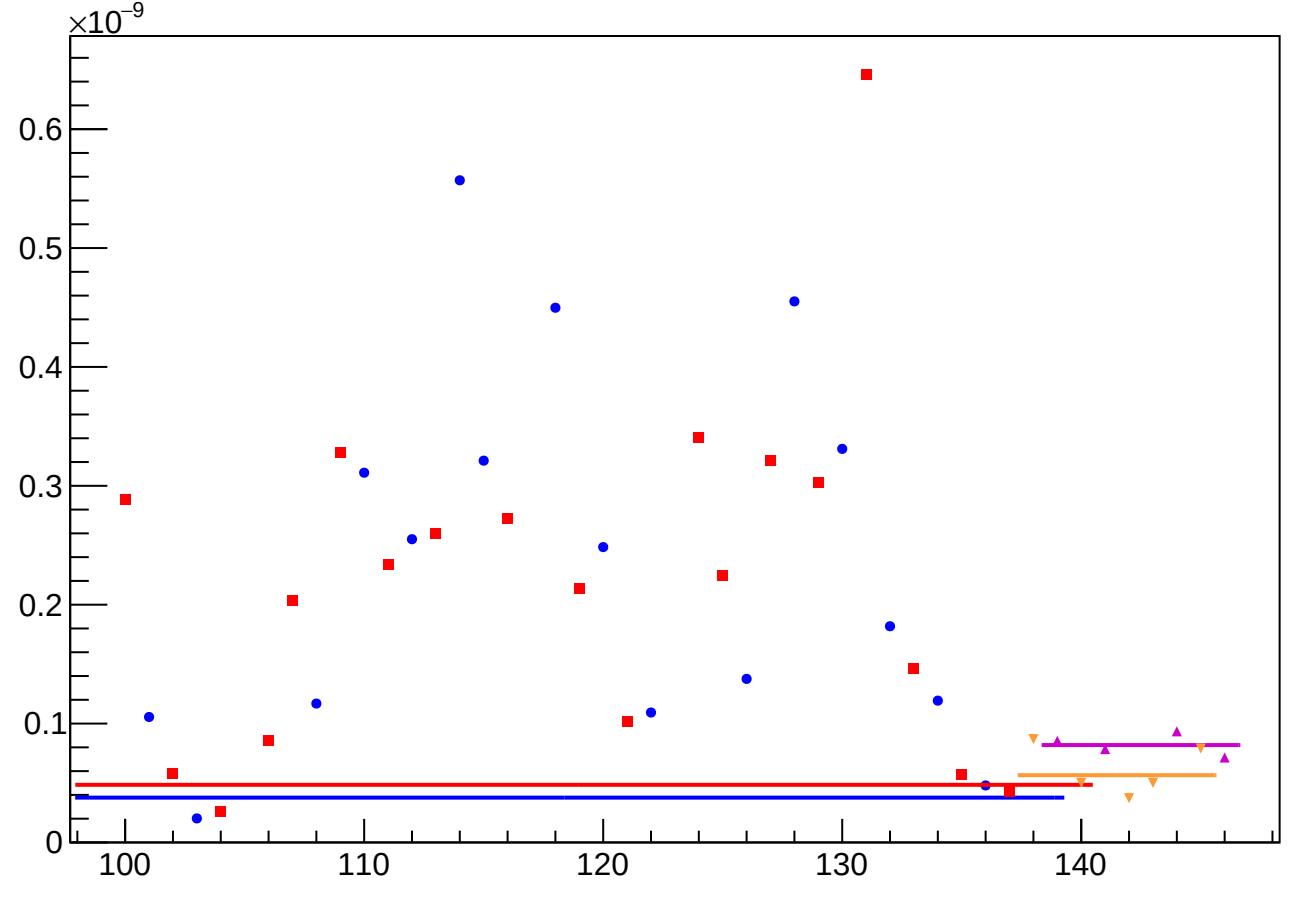
Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4000.859+/-0.939 χ^2/NDF:3246300.9/19

Out: 3989.481+/-0.924 χ^2/NDF:2995016.1/23

All: 3995.079+/-0.658 χ^2/NDF: 6241391.7/43


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 25.4/15
Left Out: 0.000+/-0.000 χ²/NDF:4.0/4
Right Out: -0.000+/-0.000 χ²/NDF: 28.2/18
Left In: -0.000+/-0.000 χ²/NDF:3.3/3
Left: -0.000+/-0.000 χ²/NDF: 8.8/8
Right: -0.000+/-0.000 χ²/NDF: 53.6/34
In: -0.000+/-0.000 χ²/NDF:29.6/19
Out: 0.000+/-0.000 χ²/NDF:32.4/23
All: -0.000+/-0.000 χ²/NDF: 62.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:216969.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:27720.7/3

Left: 0.000+/-0.000 χ^2/NDF: 420250.9/8

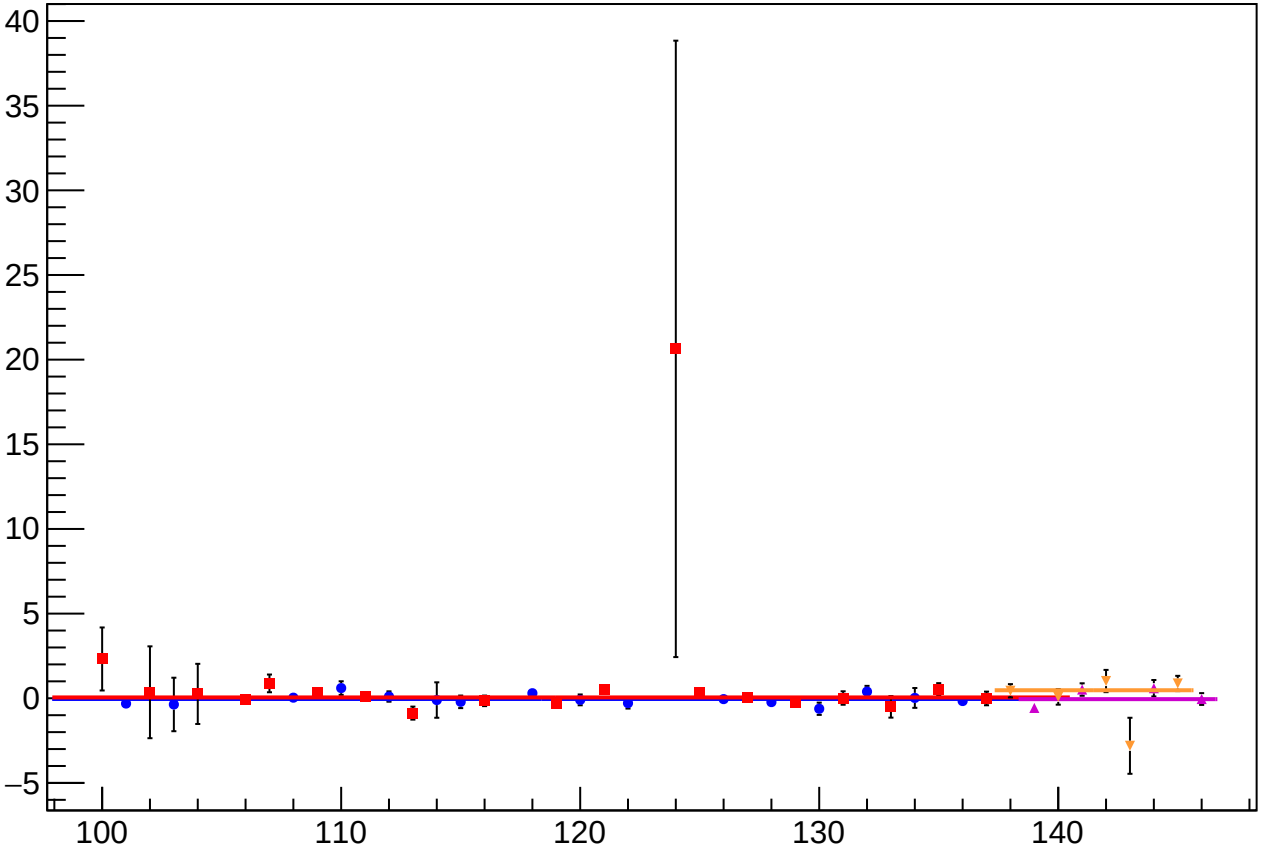
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:3802940.7/19

Out: 0.000+/-0.000 χ^2/NDF:3141556.0/23

All: 0.000+/-0.000 χ^2/NDF: 6967178.5/43

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: 0.474+/-0.231 χ^2/NDF:6.1/4

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.052+/-0.173 χ^2/NDF:7.8/3

Left: 0.137+/-0.138 χ^2/NDF: 17.2/8

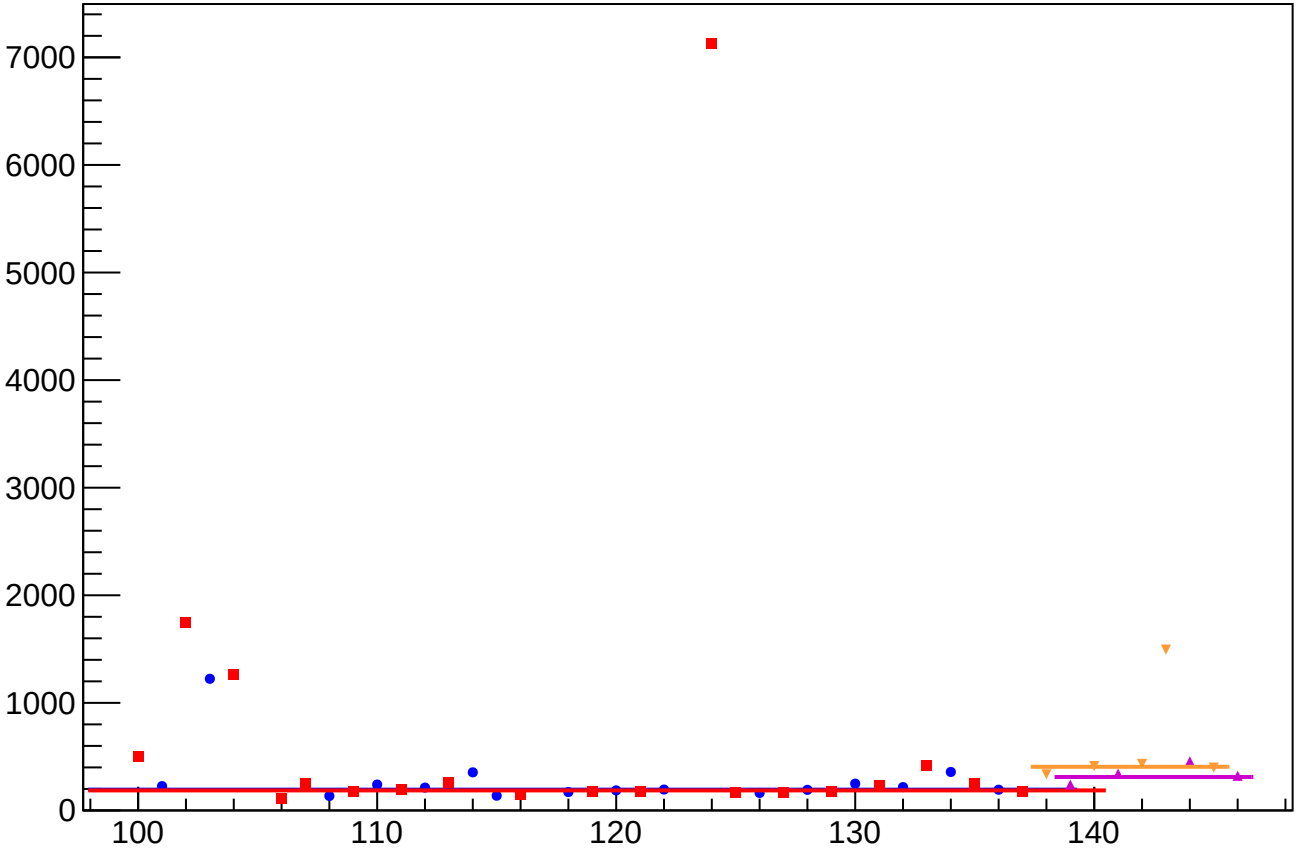
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.071 χ^2/NDF:19.5/19

Out: 0.094+/-0.075 χ^2/NDF:32.2/23

All: 0.022+/-0.051 χ^2/NDF: 53.4/43

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 405.737+/-0.163 χ^2/NDF:934824.2/4

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 311.068+/-0.122 χ^2/NDF:328288.0/3

Left: 345.143+/-0.098 χ^2/NDF: 1478493.1/8

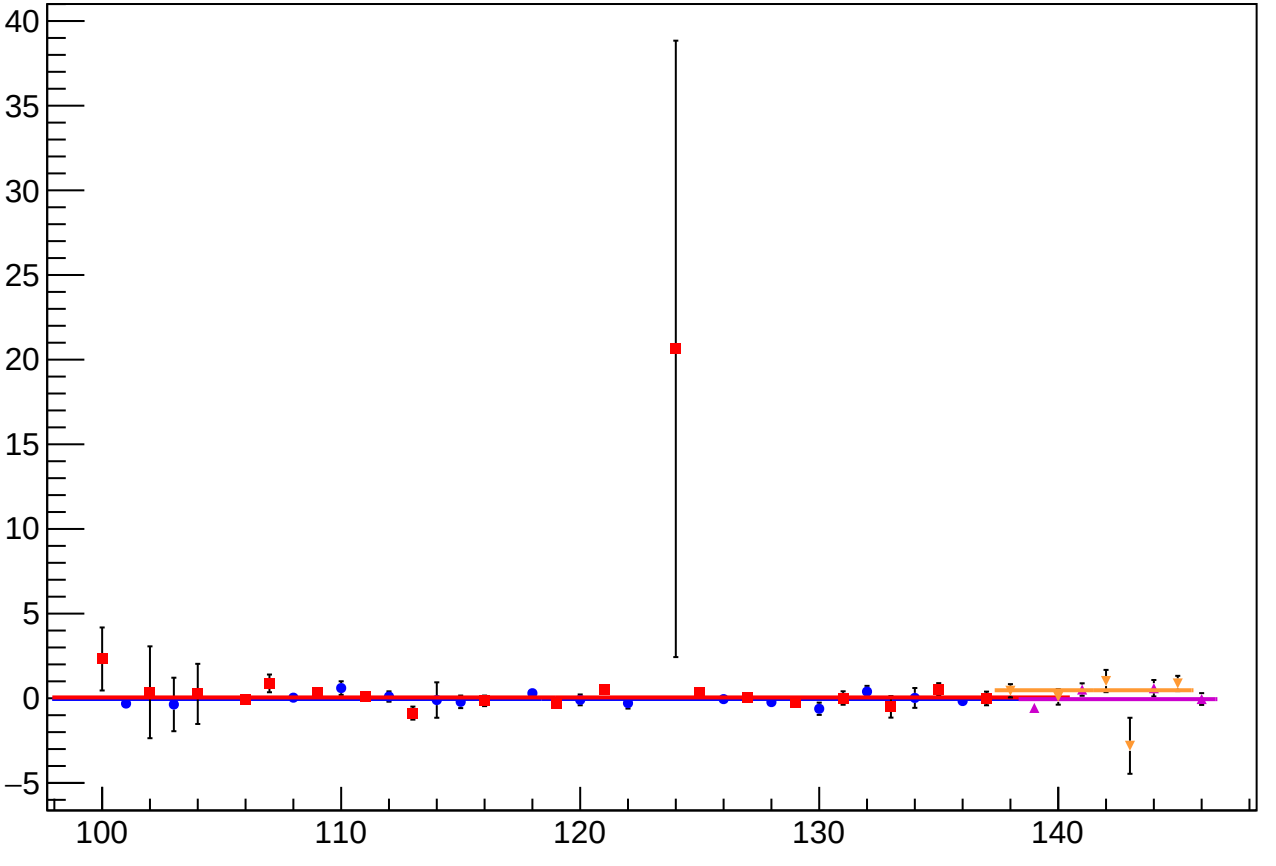
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 213.035+/-0.050 χ^2/NDF:2507883.9/19

Out: 209.275+/-0.053 χ^2/NDF:5032004.2/23

All: 211.249+/-0.036 χ^2/NDF: 7542557.4/43

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: 0.474+/-0.231 χ^2/NDF:6.1/4

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.052+/-0.173 χ^2/NDF:7.8/3

Left: 0.137+/-0.138 χ^2/NDF: 17.2/8

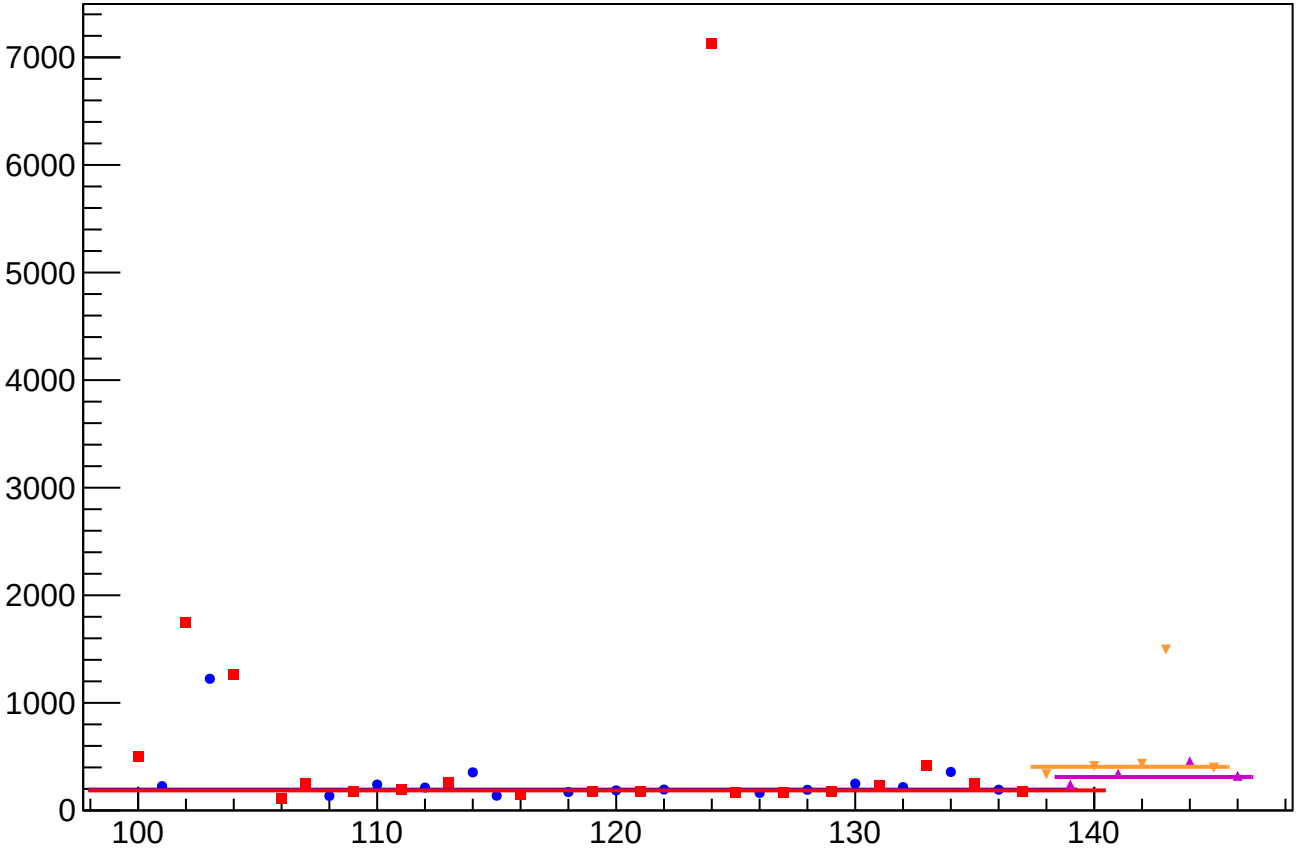
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.071 χ^2/NDF:19.5/19

Out: 0.094+/-0.075 χ^2/NDF:32.2/23

All: 0.022+/-0.051 χ^2/NDF: 53.4/43

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: 405.737+/-0.163 χ^2/NDF:934824.2/4

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 311.068+/-0.122 χ^2/NDF:328288.0/3

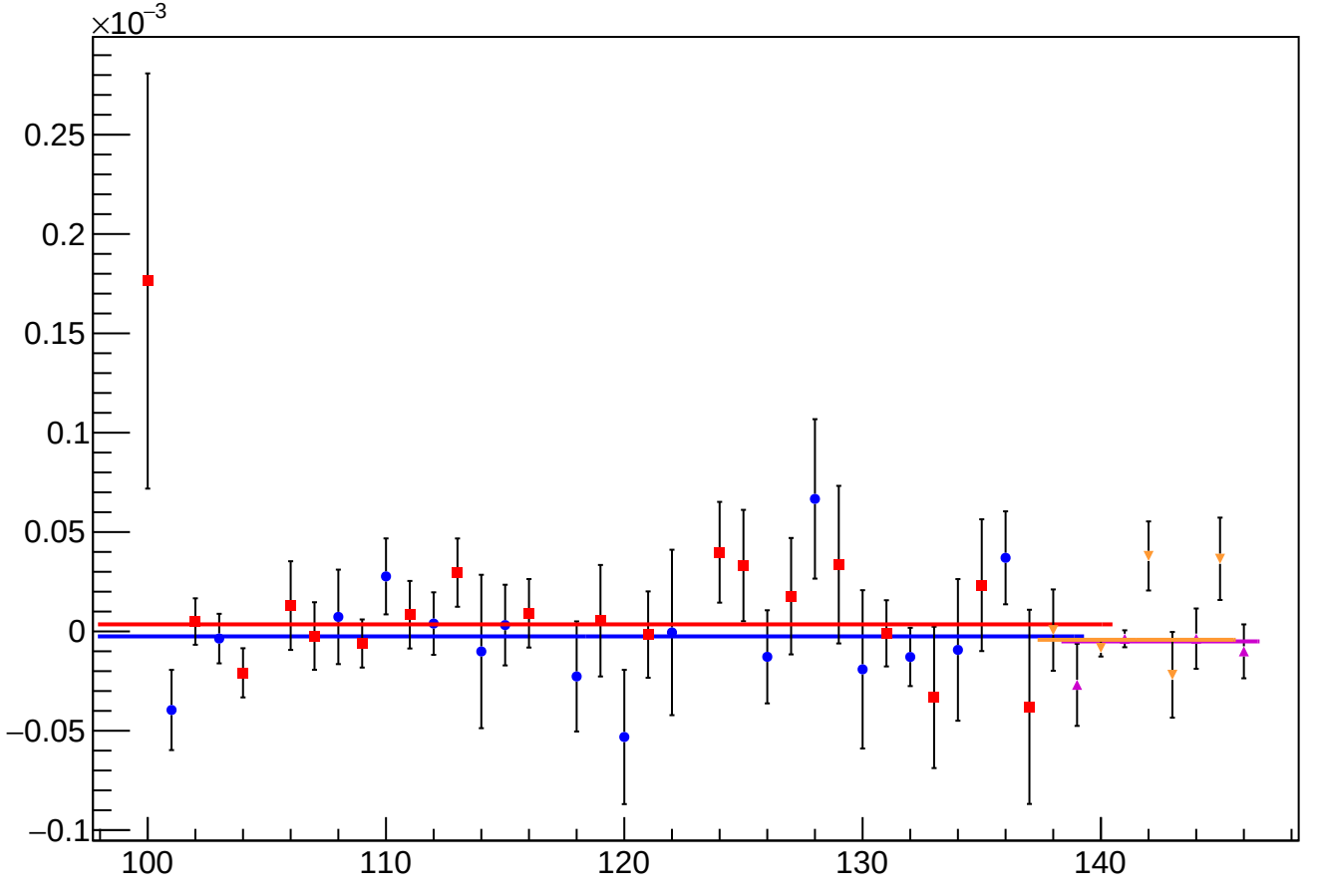
Left: 345.143+/-0.098 χ^2/NDF: 1478493.1/8

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 213.035+/-0.050 χ^2/NDF:2507883.9/19

Out: 209.275+/-0.053 χ^2/NDF:5032004.2/23

All: 211.249+/-0.036 χ^2/NDF: 7542557.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

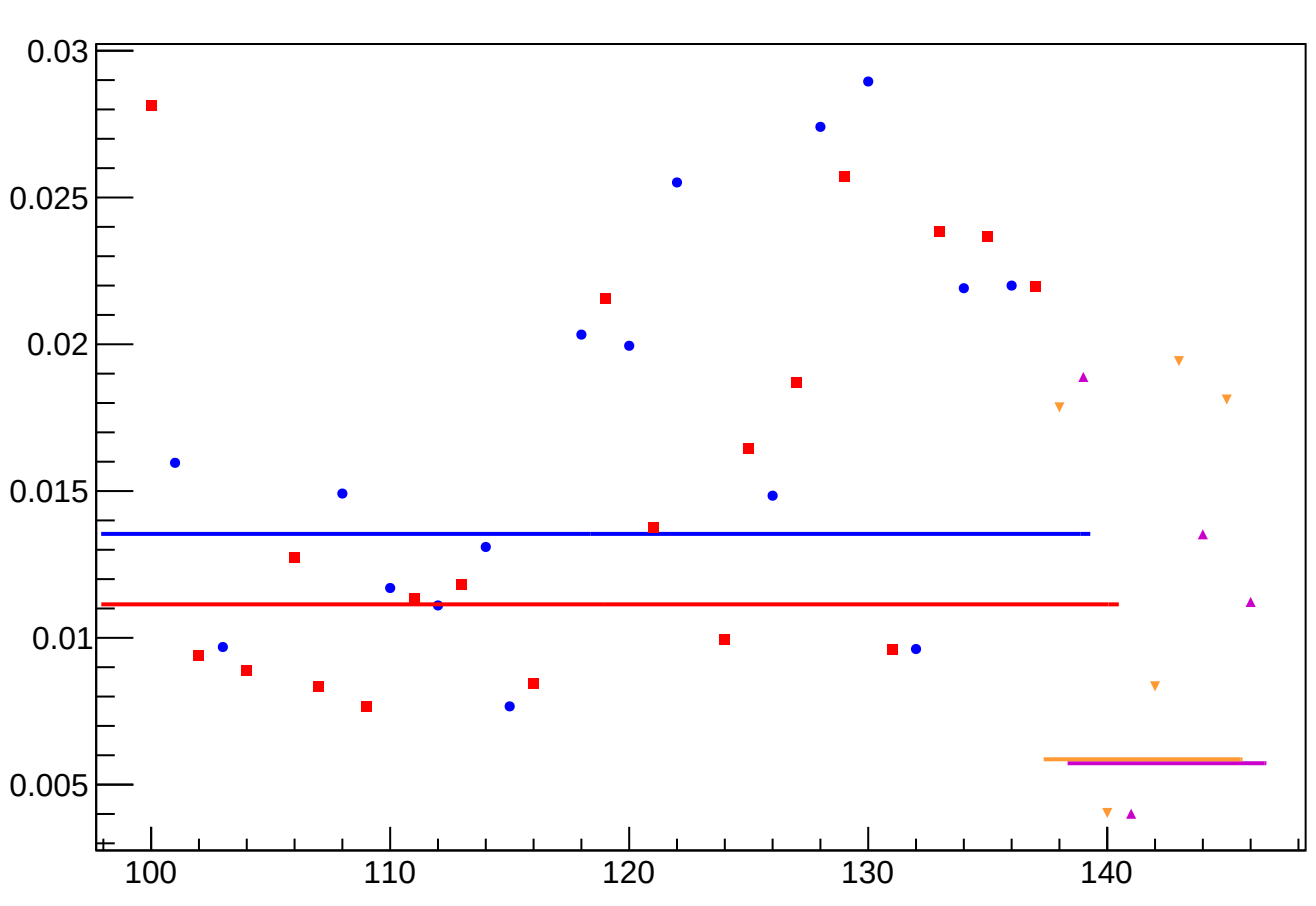
Left: -0.000+/-0.000 χ^2/NDF: 12.7/8

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:17.3/19

Out: -0.000+/-0.000 χ^2/NDF:29.3/23

All: -0.000+/-0.000 χ^2/NDF: 47.3/43



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:2563176.7/4

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.006+/-0.000 χ^2/NDF:1990624.2/3

Left: 0.006+/-0.000 χ^2/NDF: 4554960.1/8

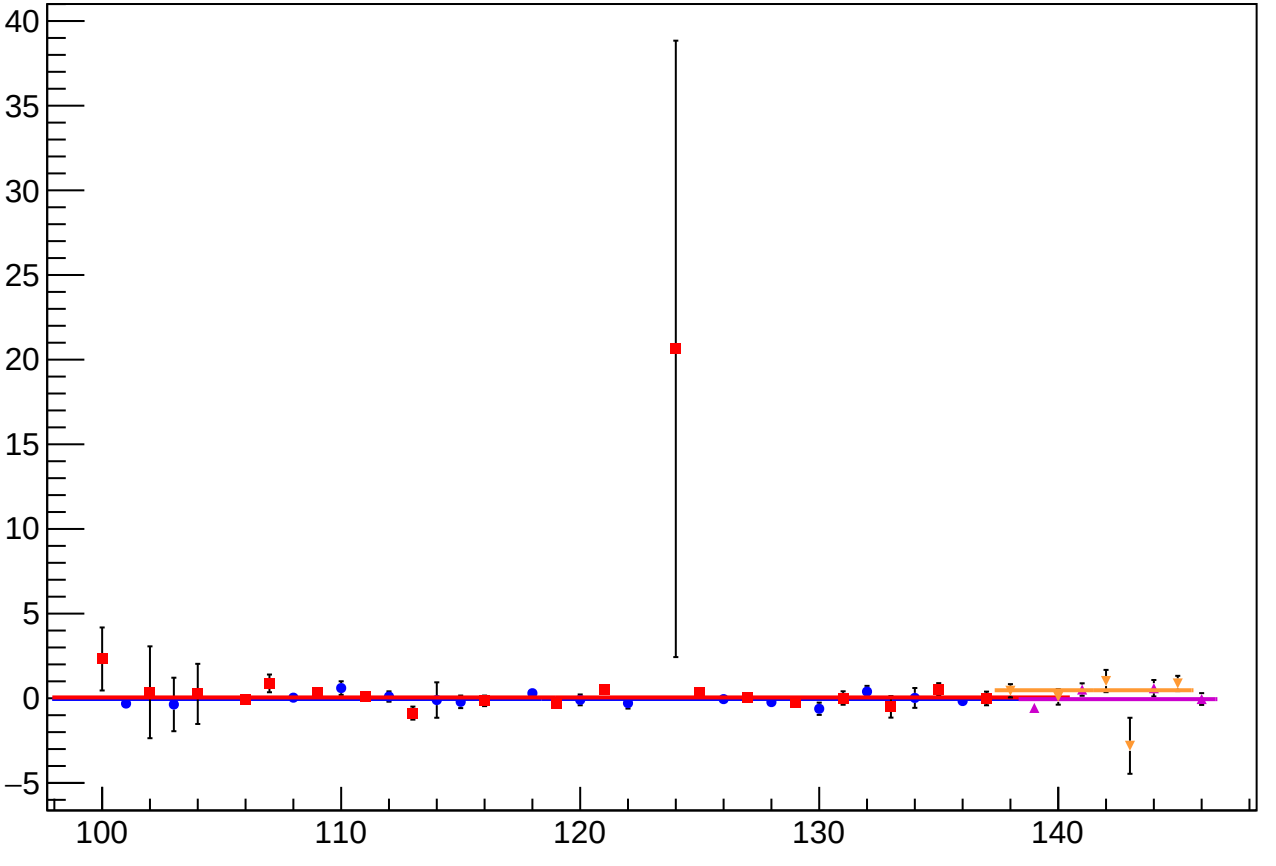
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:6602468.9/19

Out: 0.008+/-0.000 χ^2/NDF:5994780.1/23

All: 0.008+/-0.000 χ^2/NDF: 12598561.6/43

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: 0.474+/-0.231 χ^2/NDF:6.1/4

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.052+/-0.173 χ^2/NDF:7.8/3

Left: 0.137+/-0.138 χ^2/NDF: 17.2/8

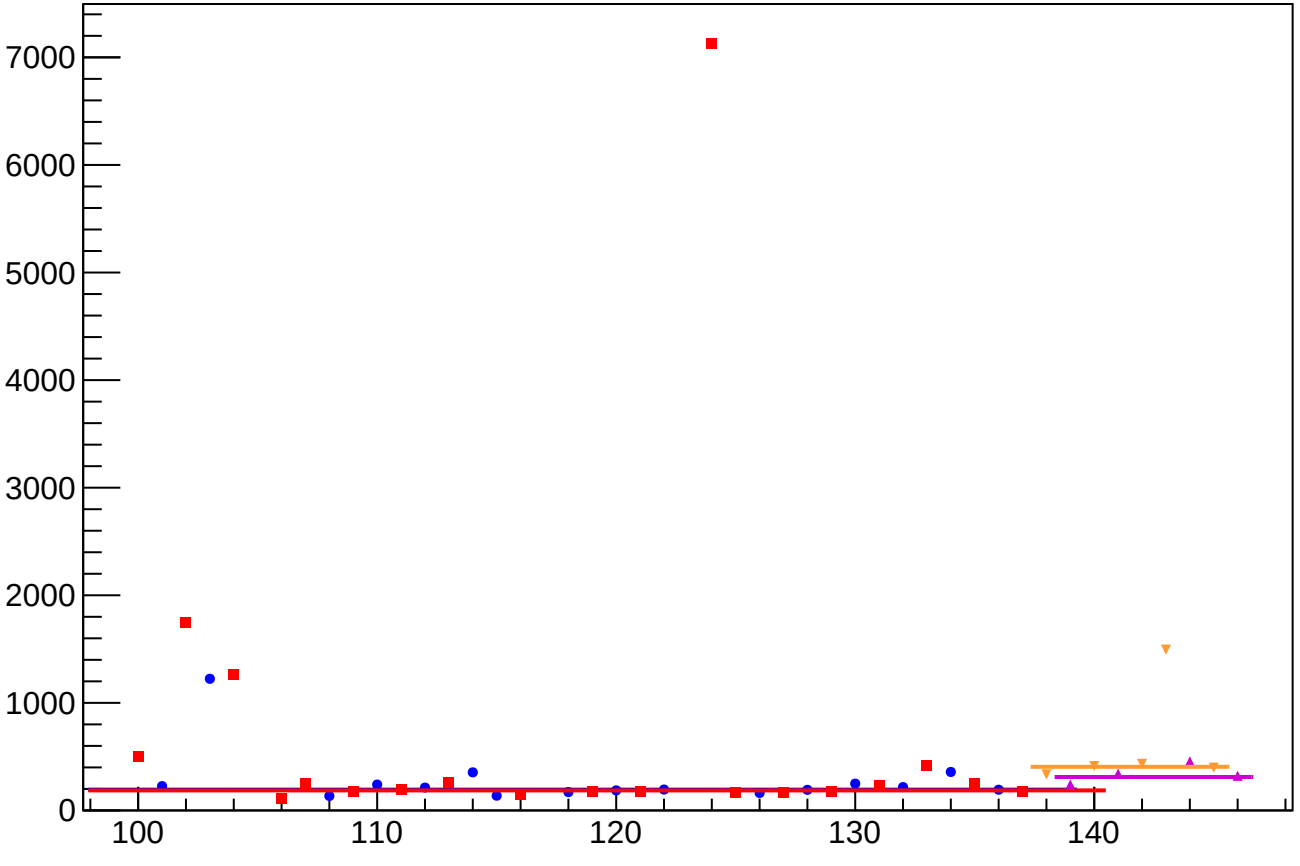
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.071 χ^2/NDF:19.5/19

Out: 0.094+/-0.075 χ^2/NDF:32.2/23

All: 0.022+/-0.051 χ^2/NDF: 53.4/43

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: 405.739+/-0.163 χ^2/NDF:934814.0/4

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 311.073+/-0.122 χ^2/NDF:328272.9/3

Left: 345.147+/-0.098 χ^2/NDF: 1478455.5/8

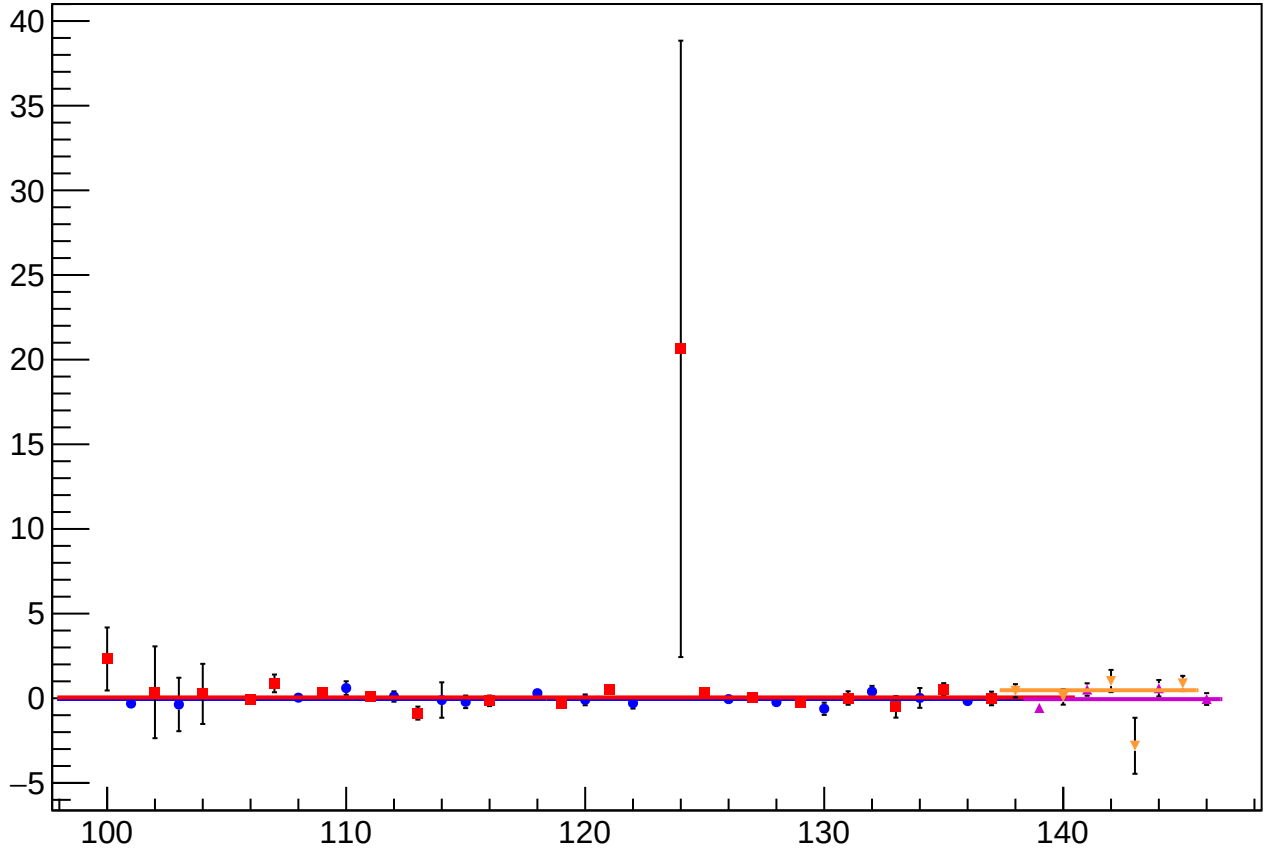
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 213.034+/-0.050 χ^2/NDF:2507925.9/19

Out: 209.273+/-0.053 χ^2/NDF:5032080.7/23

All: 211.247+/-0.036 χ^2/NDF: 7542677.7/43

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: 0.474+/-0.231 χ^2/NDF:6.1/4

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.052+/-0.173 χ^2/NDF:7.8/3

Left: 0.137+/-0.138 χ^2/NDF: 17.2/8

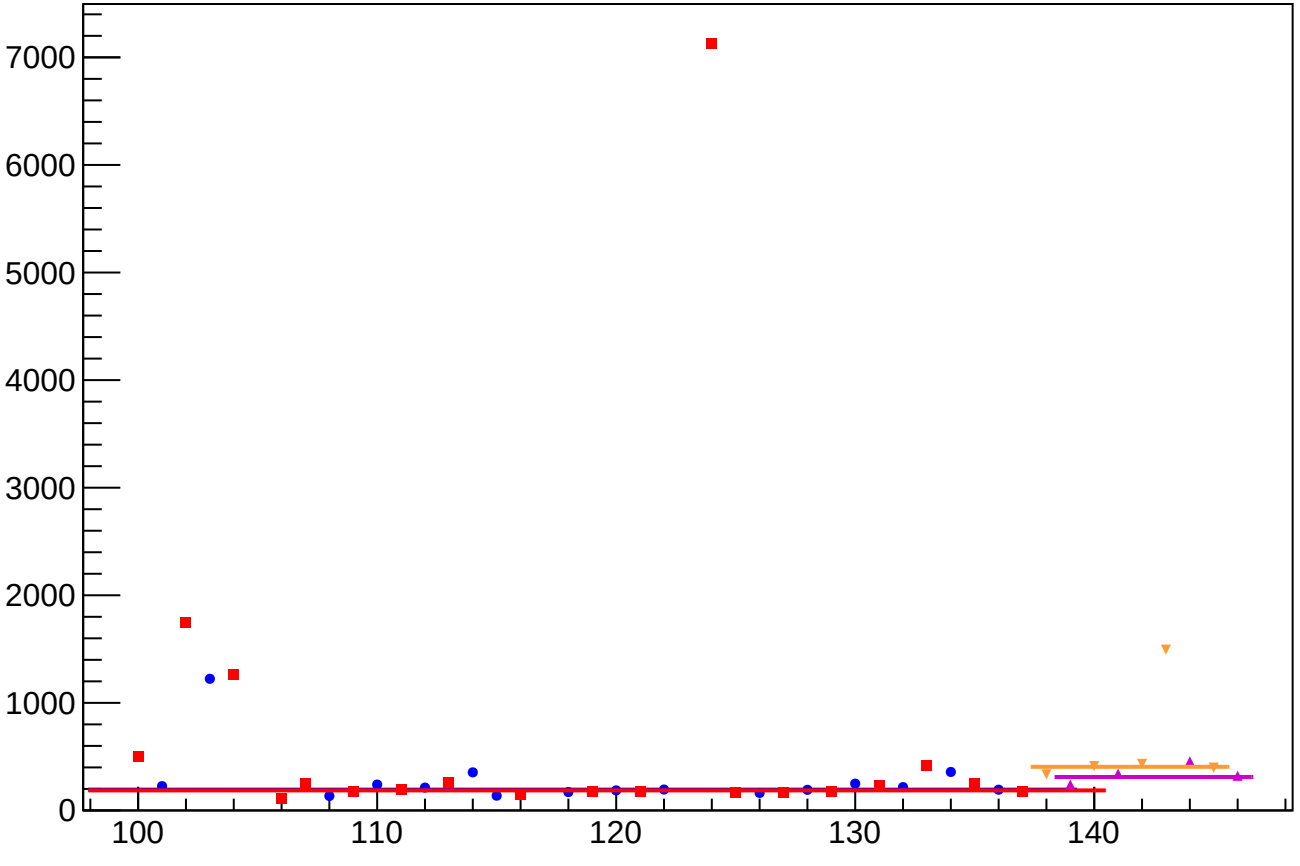
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.071 χ^2/NDF:19.5/19

Out: 0.094+/-0.075 χ^2/NDF:32.2/23

All: 0.022+/-0.051 χ^2/NDF: 53.4/43

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: 405.739+/-0.163 χ^2/NDF:934814.0/4

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 311.073+/-0.122 χ^2/NDF:328272.9/3

Left: 345.147+/-0.098 χ^2/NDF: 1478455.5/8

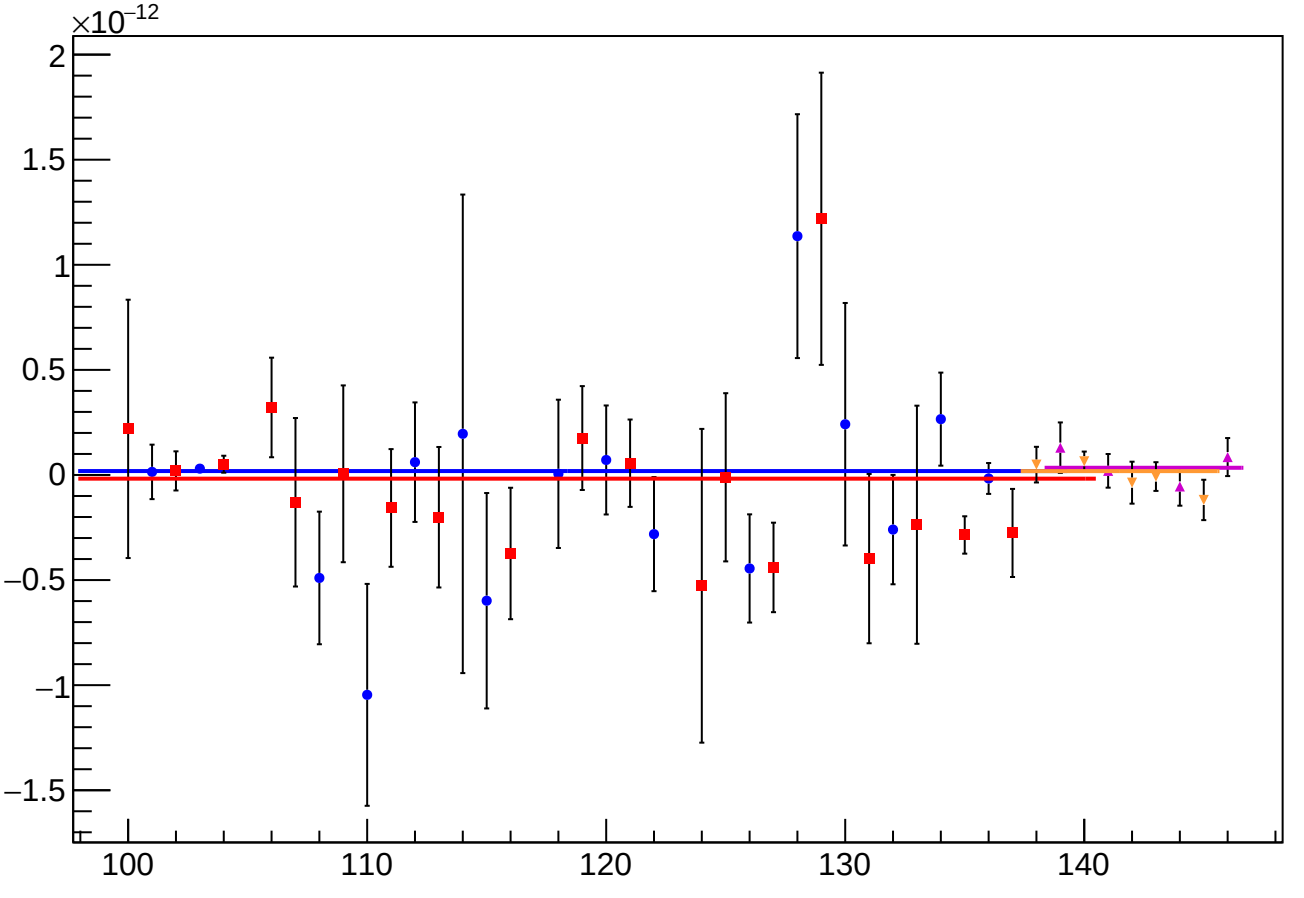
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 213.034+/-0.050 χ^2/NDF:2507925.9/19

Out: 209.273+/-0.053 χ^2/NDF:5032080.7/23

All: 211.247+/-0.036 χ^2/NDF: 7542677.7/43

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/3

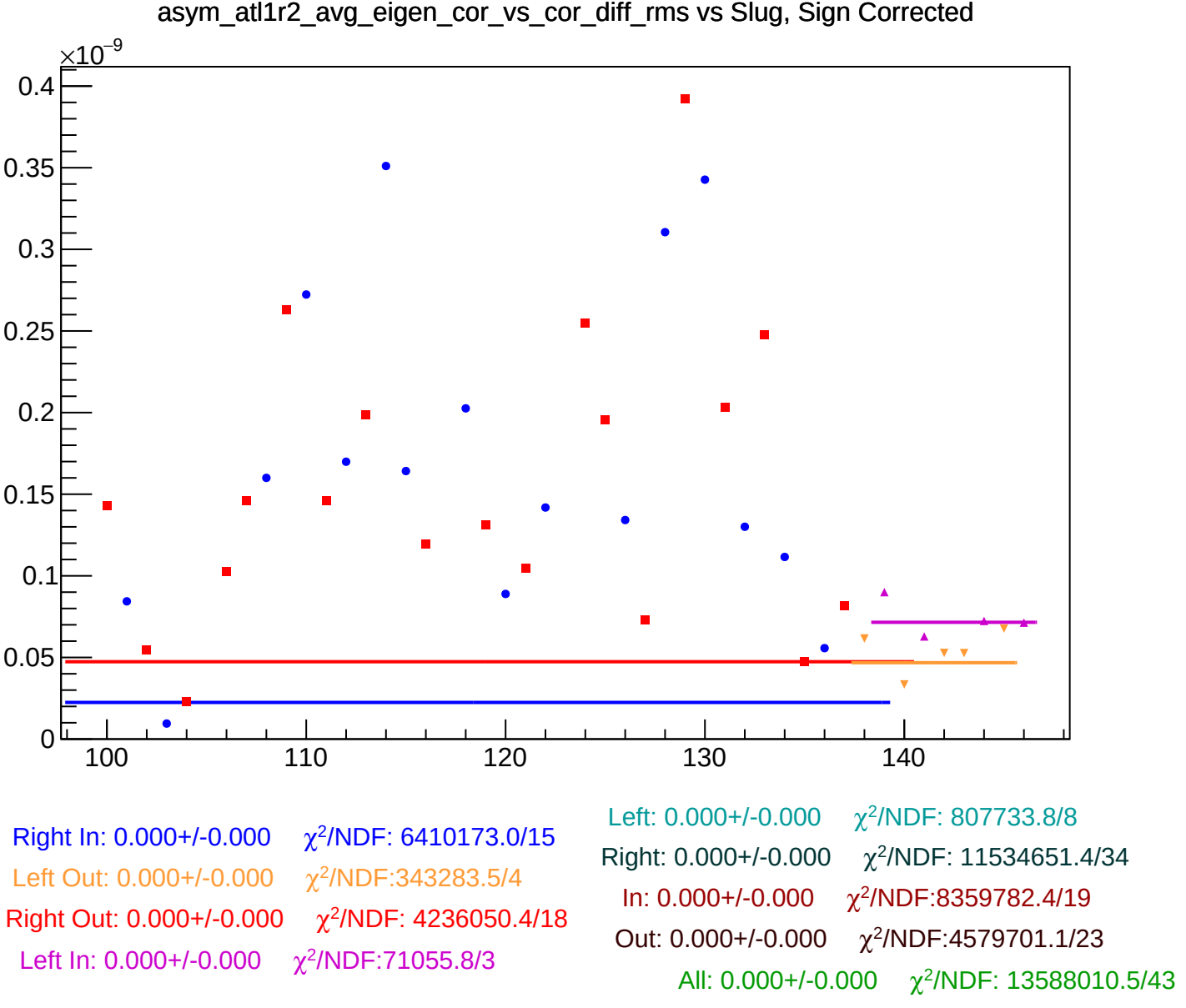
Left: 0.000+/-0.000 χ^2/NDF: 5.6/8

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

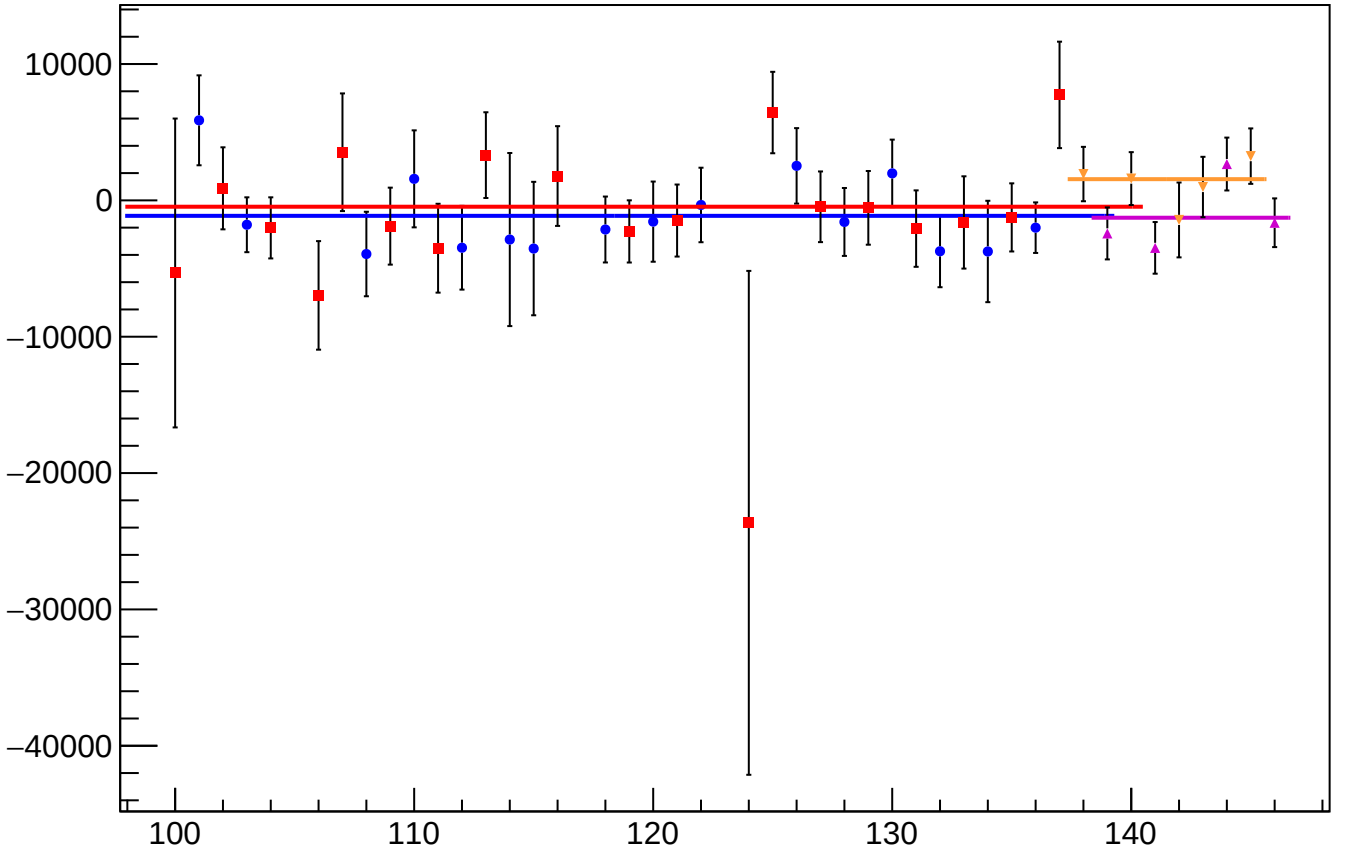
In: 0.000+/-0.000 χ^2/NDF:21.4/19

Out: 0.000+/-0.000 χ^2/NDF:31.4/23

All: 0.000+/-0.000 χ^2/NDF: 53.4/43


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:343283.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:71055.8/3
Left: 0.000+/-0.000 χ²/NDF: 807733.8/8
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:8359782.4/19
Out: 0.000+/-0.000 χ²/NDF:4579701.1/23
All: 0.000+/-0.000 χ²/NDF: 13588010.5/43

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1555.128+/-955.313 χ^2/NDF:2.0/4

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -1273.256+/-939.296 χ^2/NDF:5.9/3

Left: 117.026+/-669.774 χ^2/NDF: 12.3/8

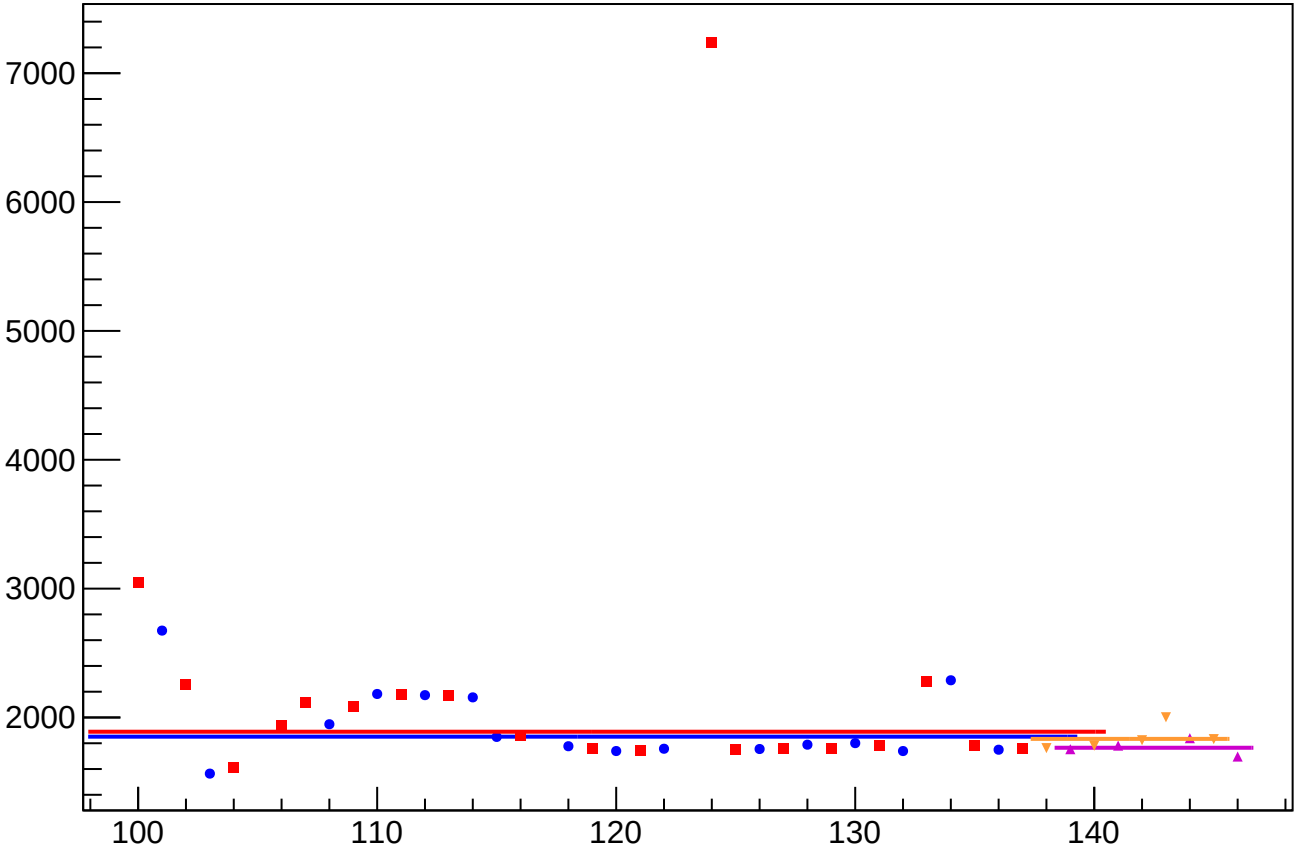
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1183.563+/-558.059 χ^2/NDF:18.2/19

Out: 248.148+/-567.738 χ^2/NDF:24.9/23

All: -480.016+/-397.985 χ^2/NDF: 46.3/43

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1833.918+/-0.676 χ^2/NDF:15594.2/4

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

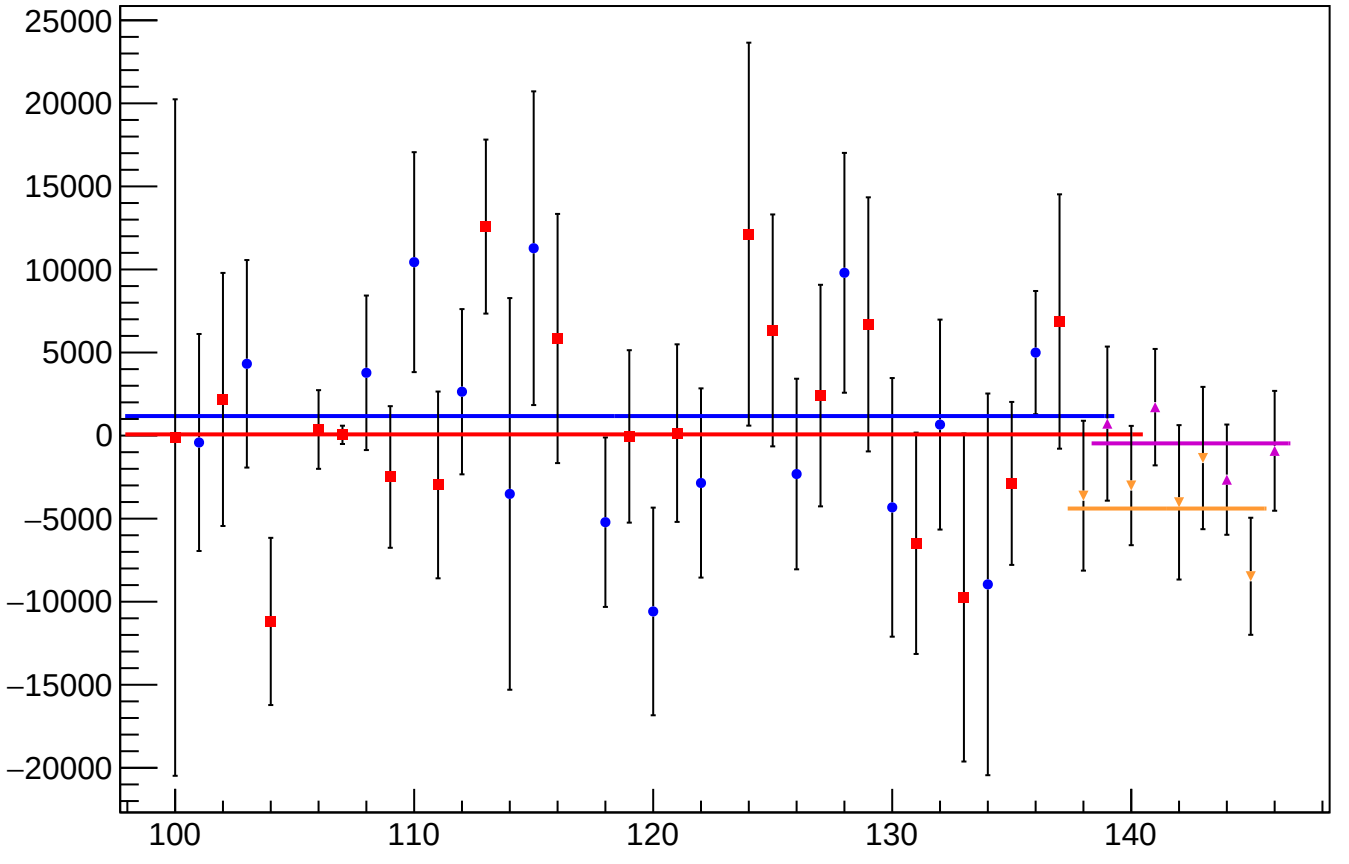
Left: 1798.900+/-0.474 χ^2/NDF: 26951.8/8

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1820.744+/-0.395 χ^2/NDF:276922.8/19

Out: 1869.946+/-0.401 χ^2/NDF:378887.4/23

All: 1844.959+/-0.281 χ^2/NDF: 663461.6/43



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -4391.516+/-1801.744 χ^2/NDF:2.0/4

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -468.812+/-1839.338 χ^2/NDF:0.9/3

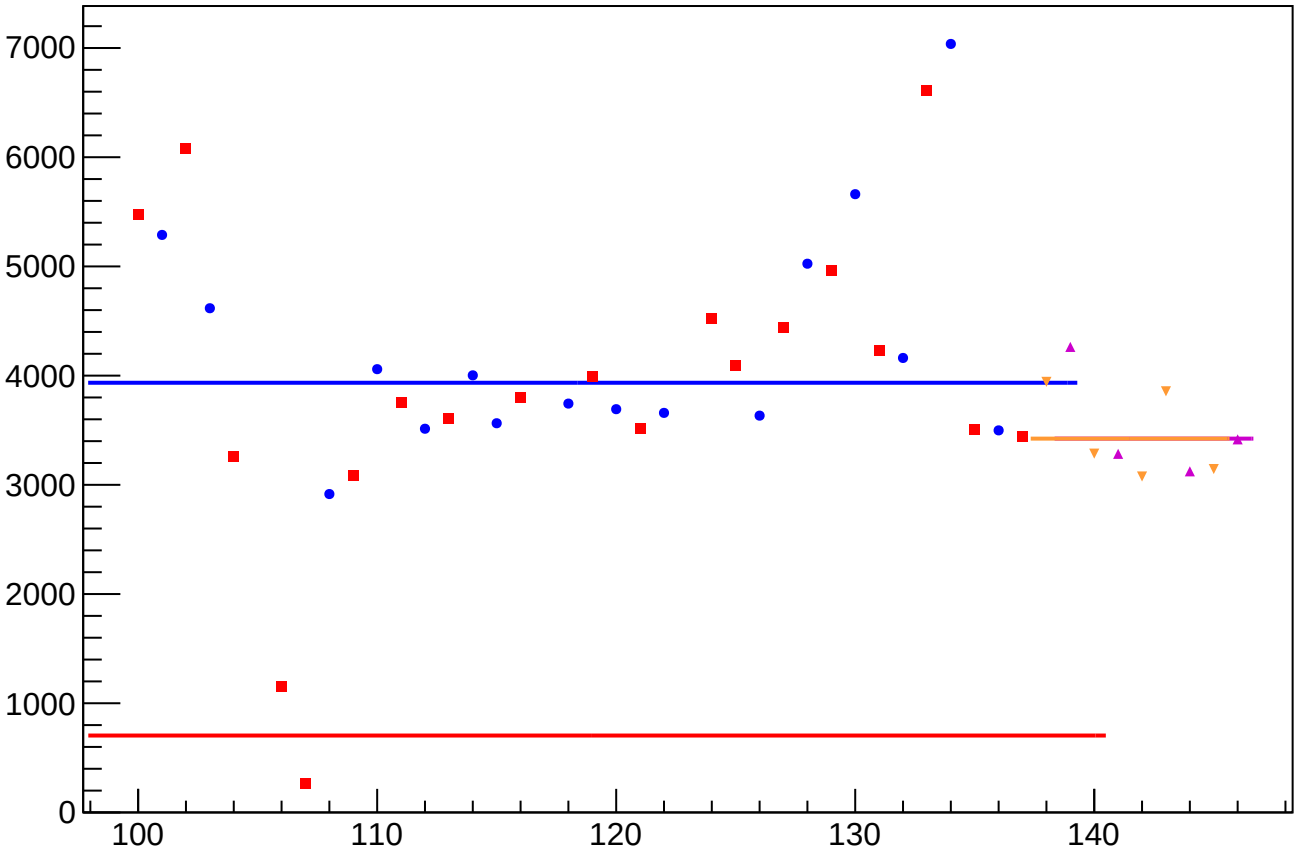
Left: -2470.662+/-1287.111 χ^2/NDF: 5.3/8

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 517.568+/-1163.446 χ^2/NDF:15.1/19

Out: -253.306+/-486.880 χ^2/NDF:25.6/23

All: -138.425+/-449.138 χ^2/NDF: 41.1/43



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3423.169+/-1.274 χ^2/NDF:73595.4/4

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3423.169+/-1.301 χ^2/NDF:85036.4/3

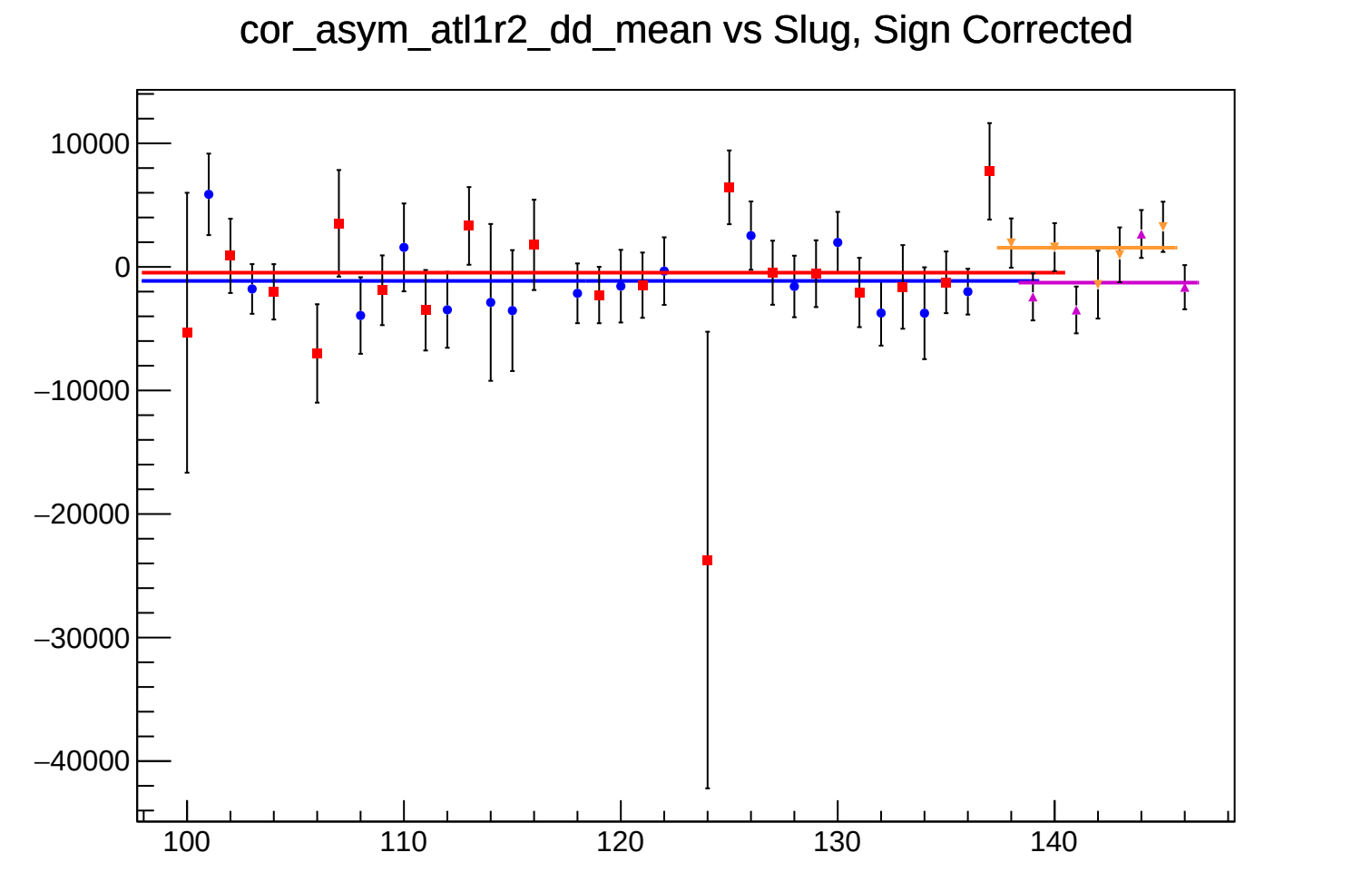
Left: 3423.169+/-0.910 χ^2/NDF: 158631.8/8

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3730.047+/-0.823 χ^2/NDF:737964.4/19

Out: 902.918+/-0.344 χ^2/NDF:14913695.9/23

All: 1324.238+/-0.318 χ^2/NDF: 25701157.8/4



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1555.203+/-955.313 χ^2/NDF:2.0/4

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1273.371+/-939.296 χ^2/NDF:5.9/3

Left: 117.005+/-669.774 χ^2/NDF: 12.3/8

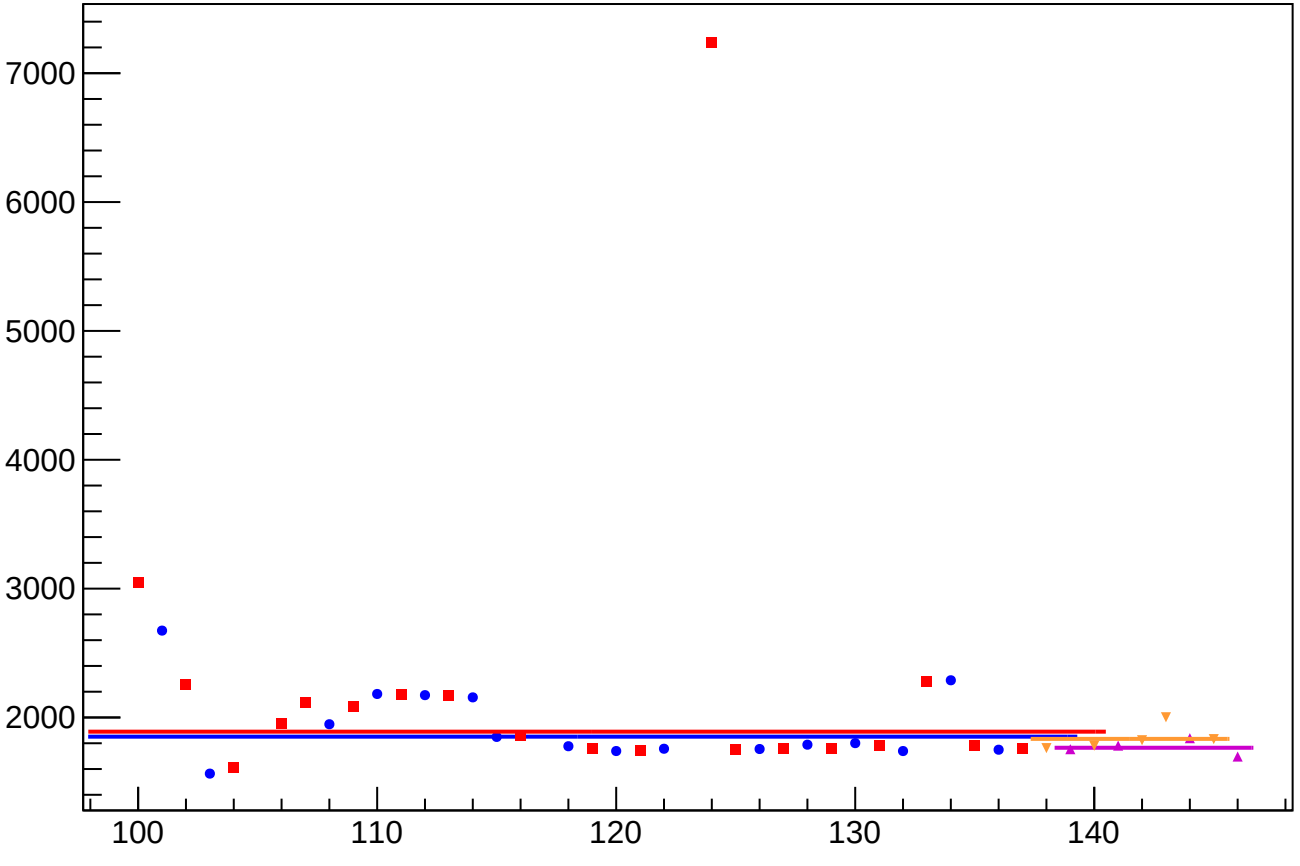
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1183.327+/-558.059 χ^2/NDF:18.2/19

Out: 247.931+/-567.739 χ^2/NDF:24.9/23

All: -480.004+/-397.986 χ^2/NDF: 46.3/43

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1833.918+/-0.676 χ^2/NDF:15594.2/4

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

Left: 1798.900+/-0.474 χ^2/NDF: 26951.8/8

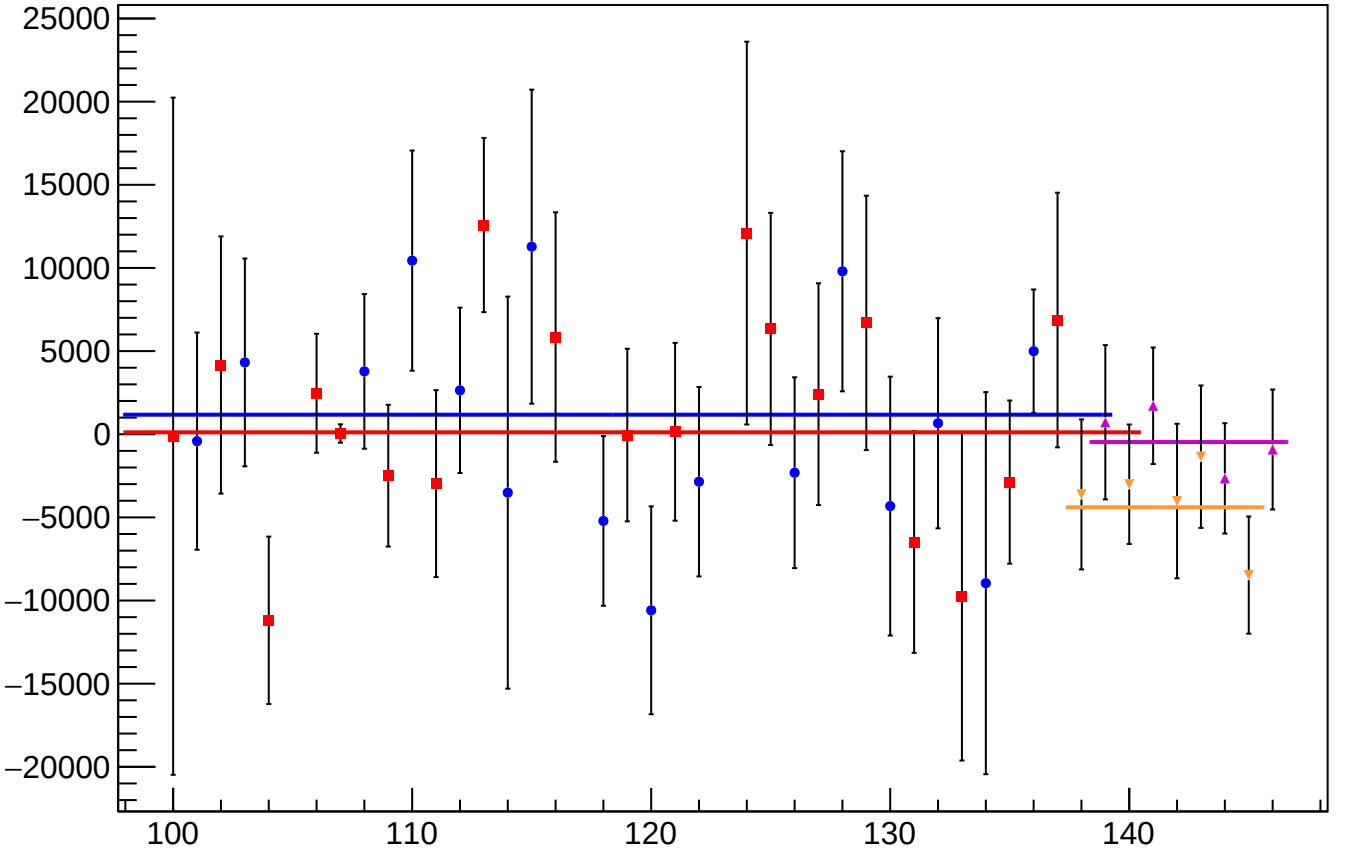
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1820.744+/-0.395 χ^2/NDF:276922.0/19

Out: 1870.237+/-0.401 χ^2/NDF:379179.0/23

All: 1845.099+/-0.281 χ^2/NDF: 663842.1/43

asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -4391.407+/-1801.736 χ^2/NDF:2.0/4

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -468.860+/-1839.340 χ^2/NDF:0.9/3

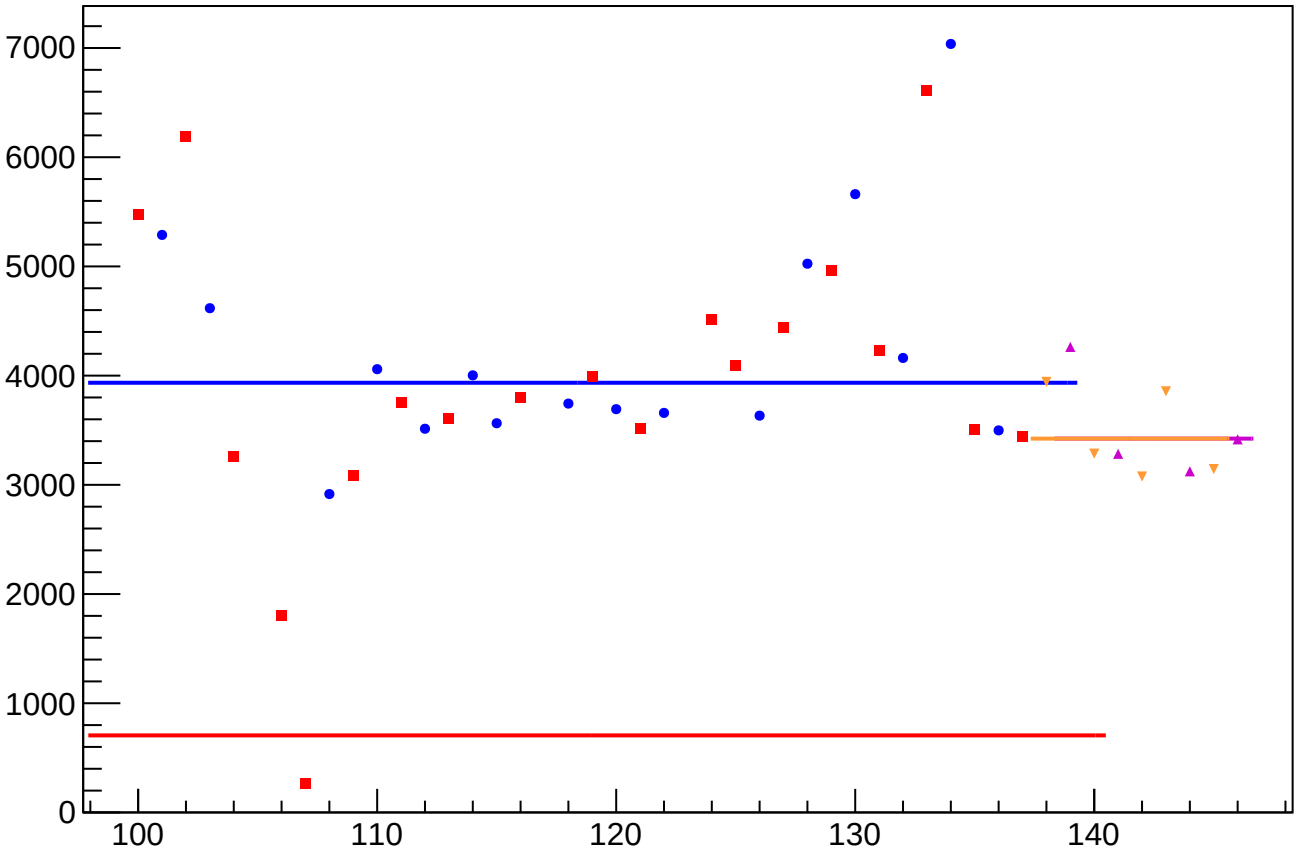
Left: -2470.639+/-1287.109 χ^2/NDF: 5.3/8

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 517.533+/-1163.449 χ^2/NDF:15.1/19

Out: -221.218+/-492.758 χ^2/NDF:26.4/23

All: -108.857+/-453.740 χ^2/NDF: 41.8/43



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3423.154+/-1.274 χ^2/NDF:73597.8/4

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3423.173+/-1.301 χ^2/NDF:85035.4/3

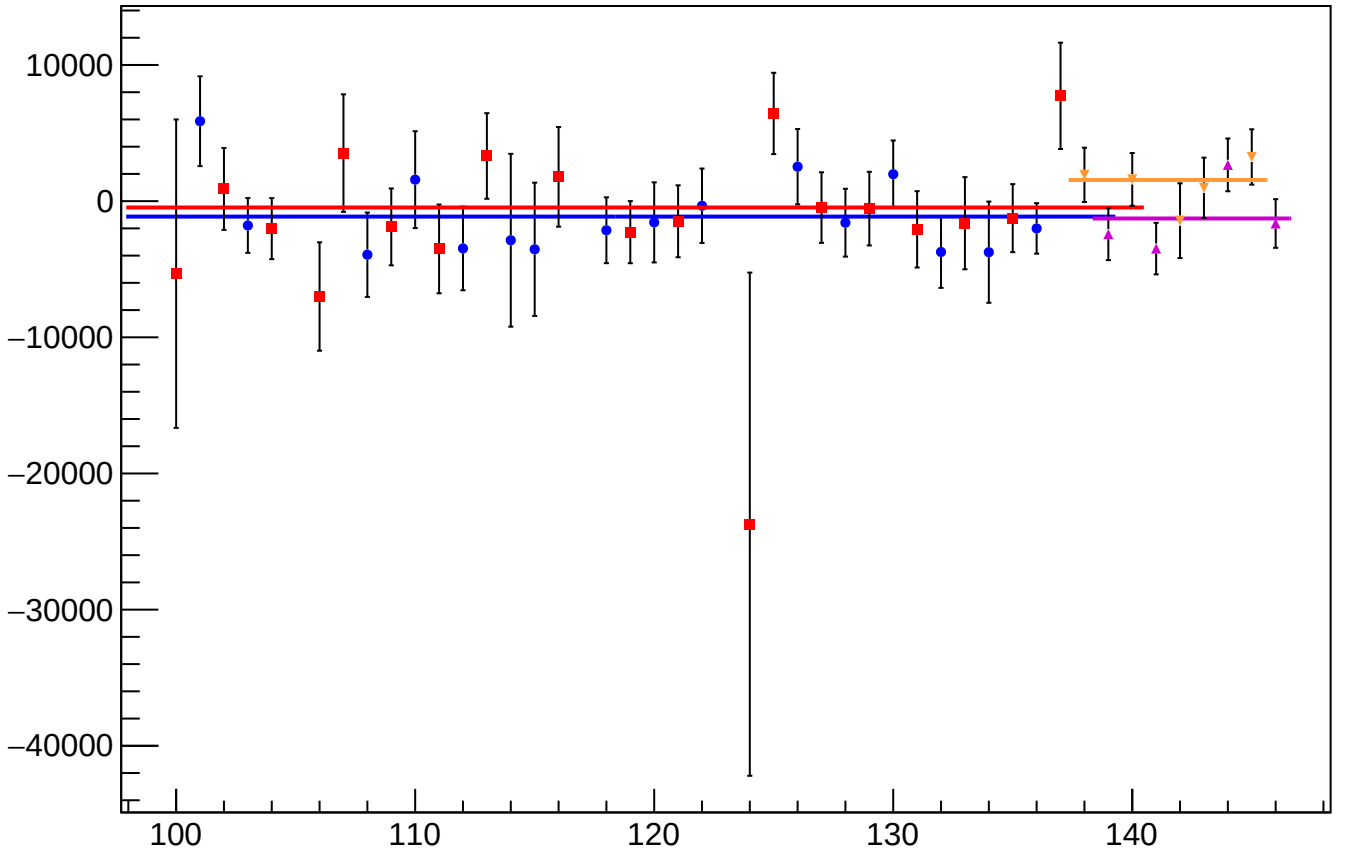
Left: 3423.163+/-0.910 χ^2/NDF: 158633.3/8

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3730.053+/-0.823 χ^2/NDF:737989.3/19

Out: 908.884+/-0.348 χ^2/NDF:15030342.9/23

All: 1337.973+/-0.321 χ^2/NDF: 25739362.3/4



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1555.203+/-955.313 χ^2/NDF:2.0/4

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1273.371+/-939.296 χ^2/NDF:5.9/3

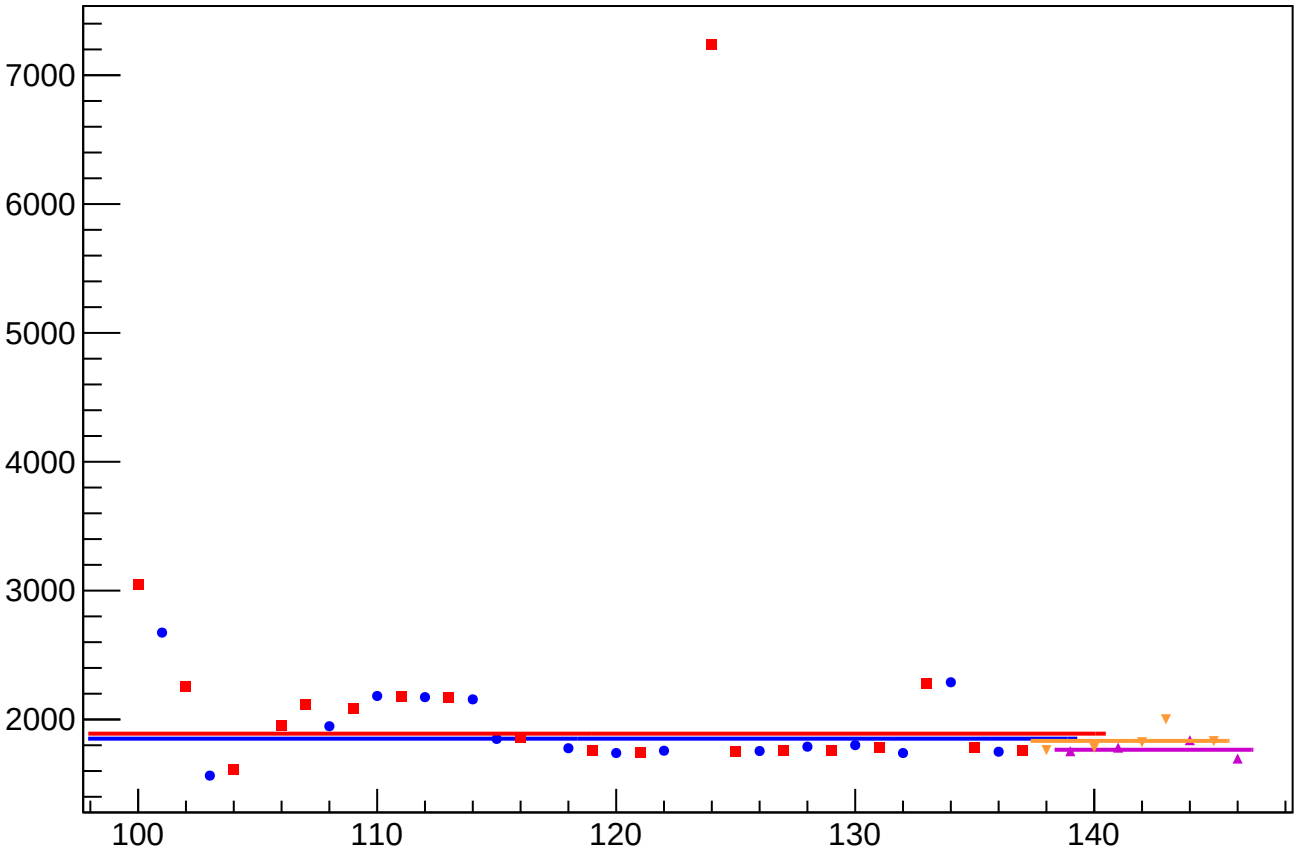
Left: 117.005+/-669.774 χ^2/NDF: 12.3/8

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1183.327+/-558.059 χ^2/NDF:18.2/19

Out: 247.931+/-567.739 χ^2/NDF:24.9/23

All: -480.004+/-397.986 χ^2/NDF: 46.3/43



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1833.918+/-0.676 χ^2/NDF:15594.2/4

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

Left: 1798.900+/-0.474 χ^2/NDF: 26951.8/8

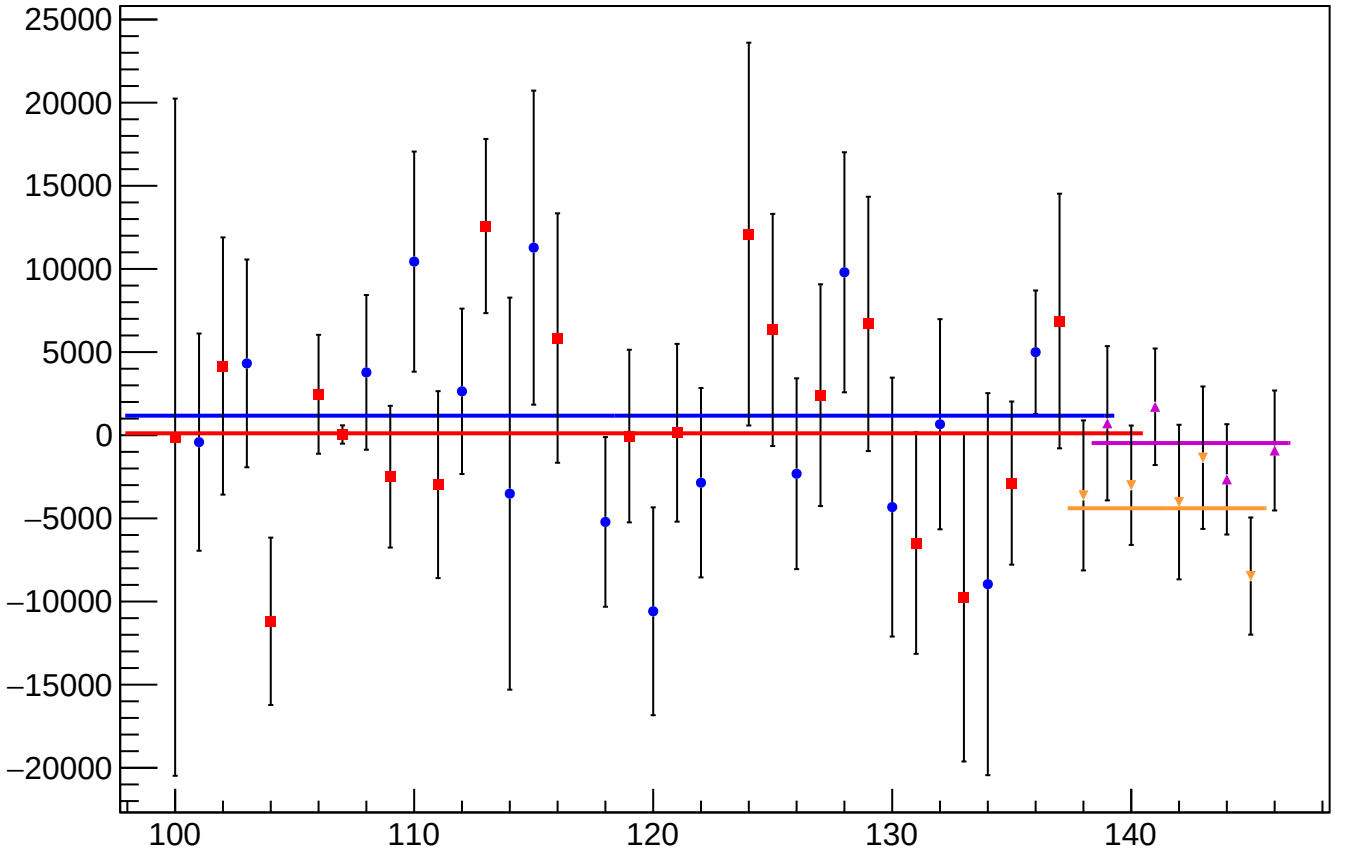
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1820.744+/-0.395 χ^2/NDF:276922.0/19

Out: 1870.237+/-0.401 χ^2/NDF:379179.0/23

All: 1845.099+/-0.281 χ^2/NDF: 663842.1/43

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: -4391.407+/-1801.736 χ^2/NDF:2.0/4

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -468.860+/-1839.340 χ^2/NDF:0.9/3

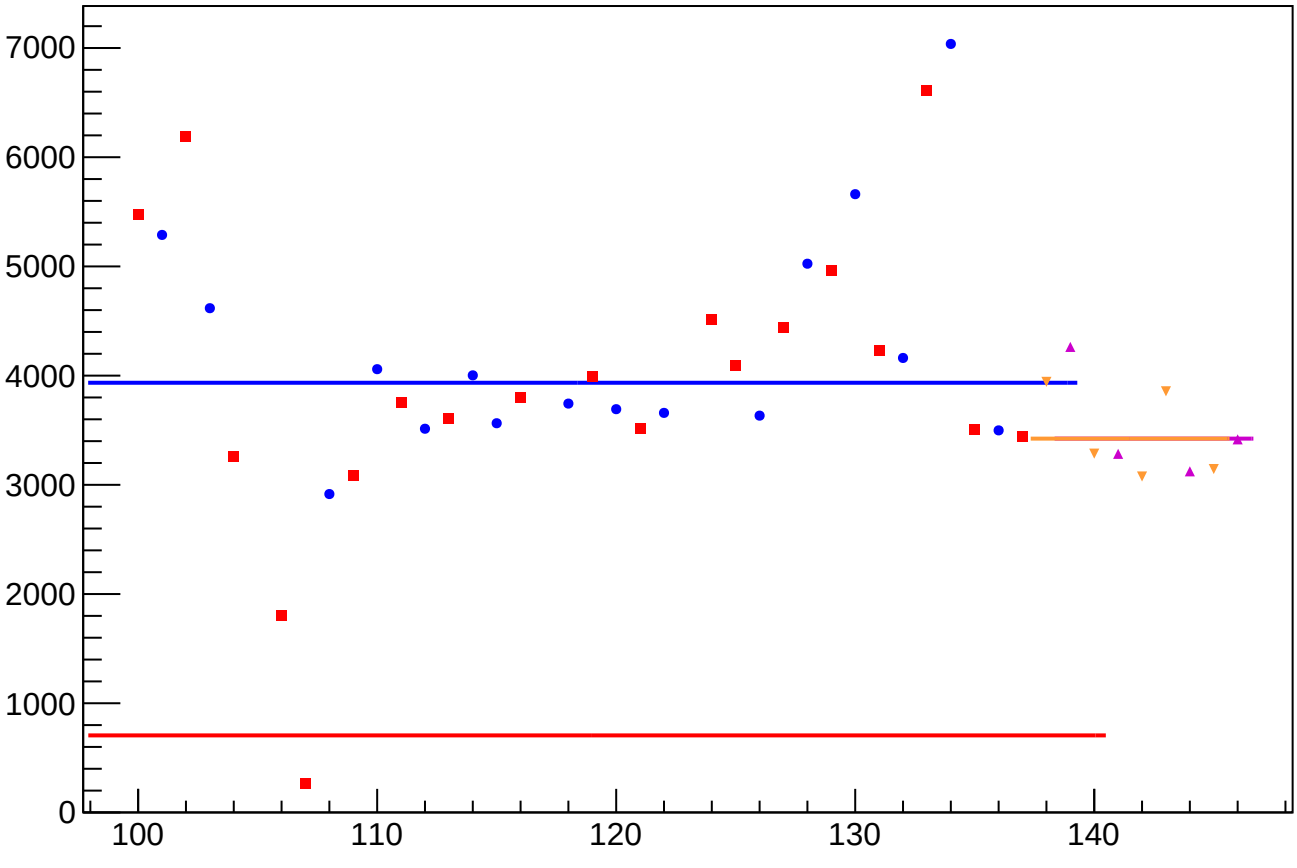
Left: -2470.639+/-1287.109 χ^2/NDF: 5.3/8

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 517.533+/-1163.449 χ^2/NDF:15.1/19

Out: -221.218+/-492.758 χ^2/NDF:26.4/23

All: -108.857+/-453.740 χ^2/NDF: 41.8/43



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3423.154+/-1.274 χ^2/NDF:73597.8/4

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3423.173+/-1.301 χ^2/NDF:85035.4/3

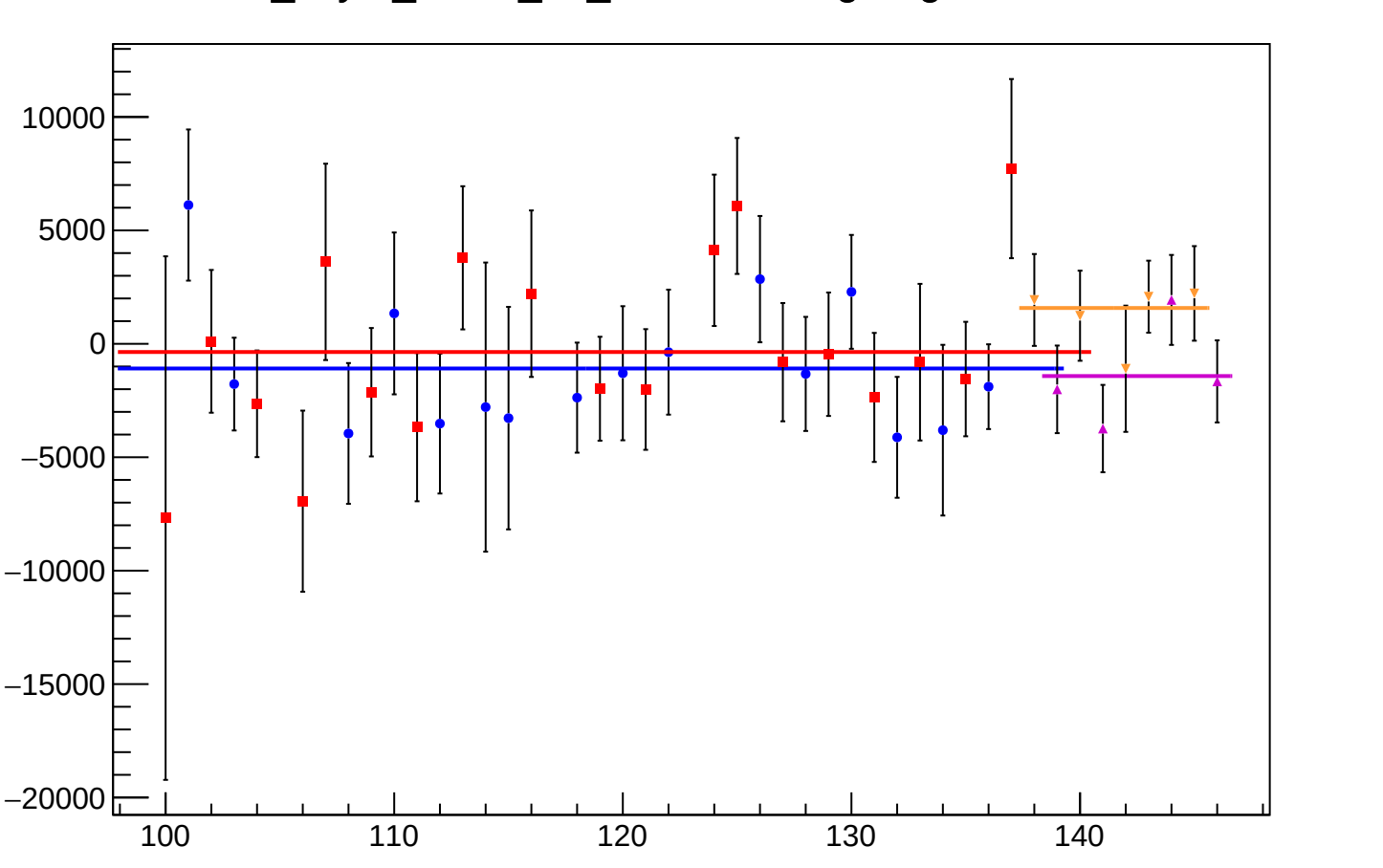
Left: 3423.163+/-0.910 χ^2/NDF: 158633.3/8

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3730.053+/-0.823 χ^2/NDF:737989.3/19

Out: 908.884+/-0.348 χ^2/NDF:15030342.9/23

All: 1337.973+/-0.321 χ^2/NDF: 25739362.3/4



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1579.211+/-893.244 χ^2/NDF:1.2/4

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1420.852+/-954.483 χ^2/NDF:4.4/3

Left: 178.502+/-652.194 χ^2/NDF: 10.9/8

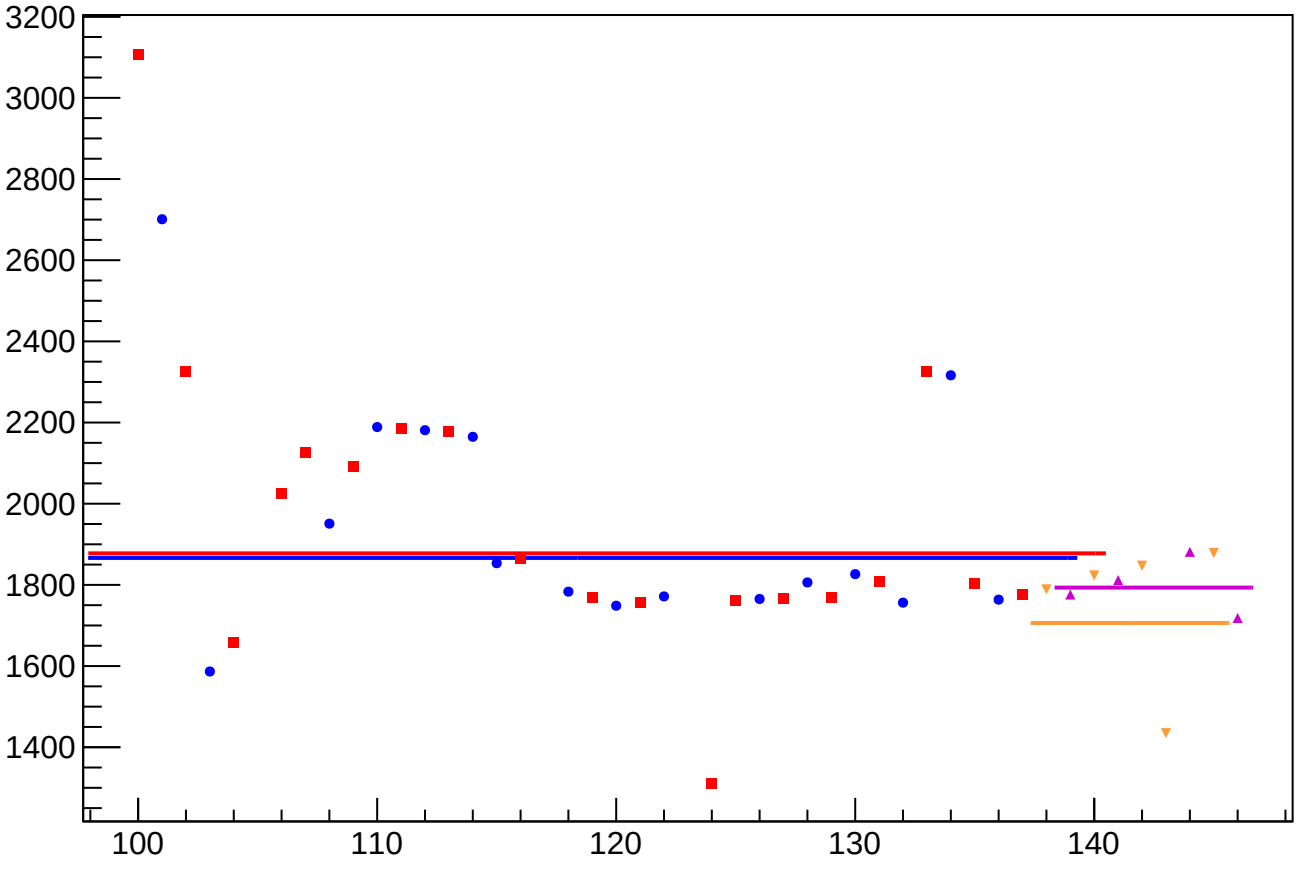
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1204.146+/-564.250 χ^2/NDF:17.7/19

Out: 376.617+/-550.809 χ^2/NDF:24.9/23

All: -394.712+/-394.147 χ^2/NDF: 46.6/43

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1706.188+/-0.632 χ^2/NDF:87589.1/4

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1793.324+/-0.675 χ^2/NDF:7713.4/3

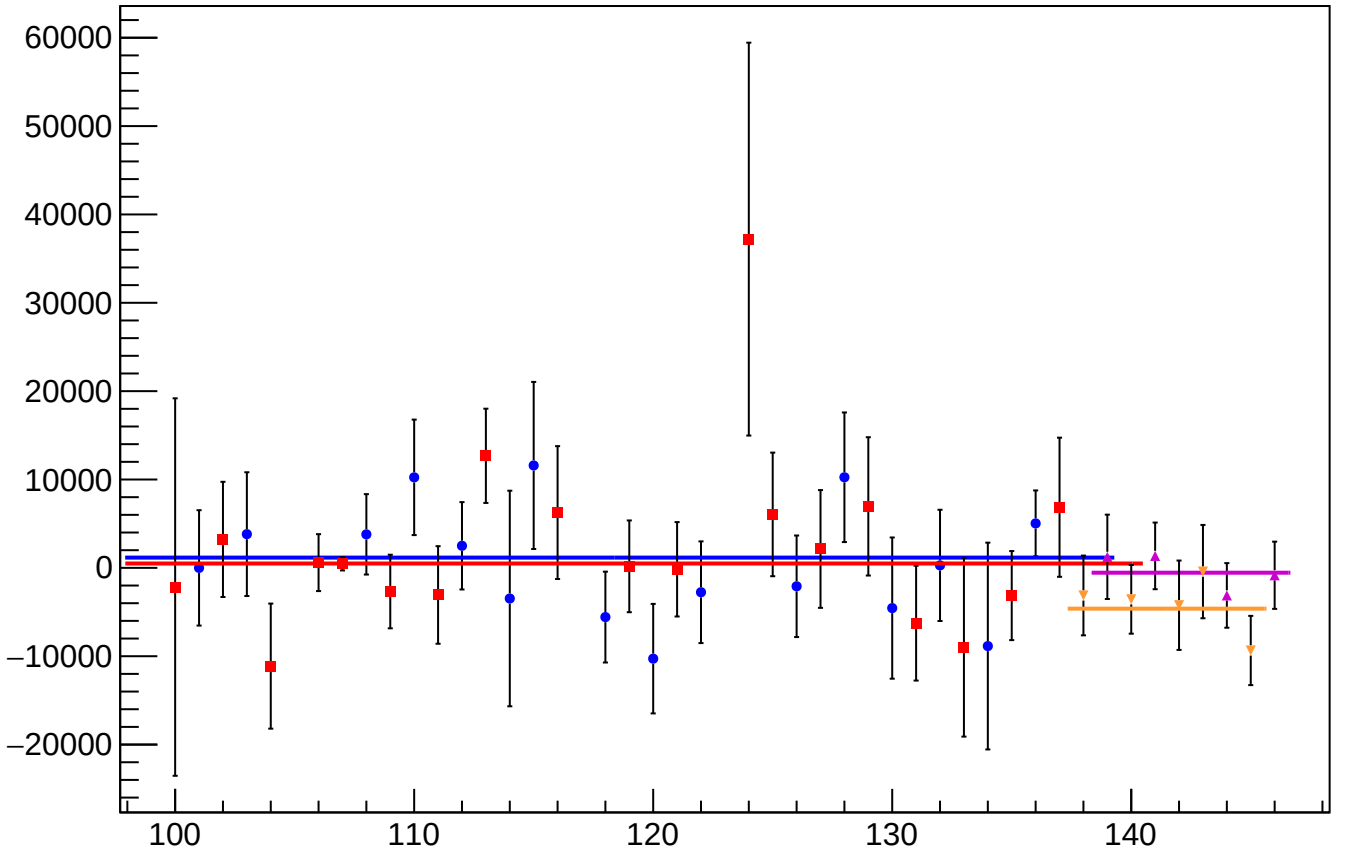
Left: 1746.872+/-0.461 χ^2/NDF: 104188.5/8

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1840.899+/-0.399 χ^2/NDF:271613.7/19

Out: 1812.525+/-0.389 χ^2/NDF:385144.5/23

All: 1826.363+/-0.279 χ^2/NDF: 659349.0/43



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -4616.635+/-1978.979 χ^2/NDF:2.3/4

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -547.222+/-1968.566 χ^2/NDF:0.9/3

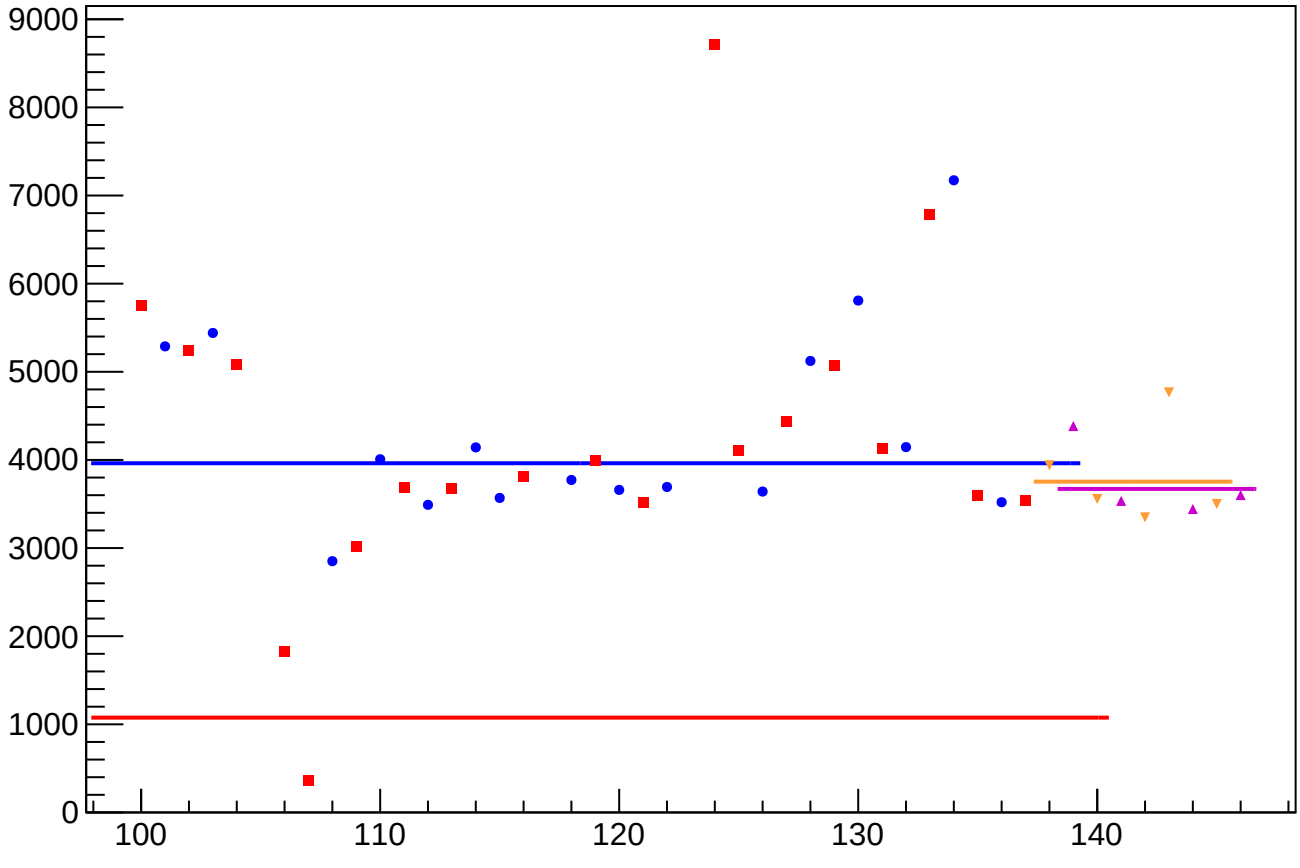
Left: -2571.194+/-1395.654 χ^2/NDF: 5.3/8

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 527.135+/-1199.231 χ^2/NDF:15.0/19

Out: -16.446+/-624.827 χ^2/NDF:25.2/23

All: 99.612+/-554.124 χ^2/NDF: 40.4/43



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3753.517+/-1.399 χ^2/NDF:103195.8/4

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3670.903+/-1.392 χ^2/NDF:55703.1/3

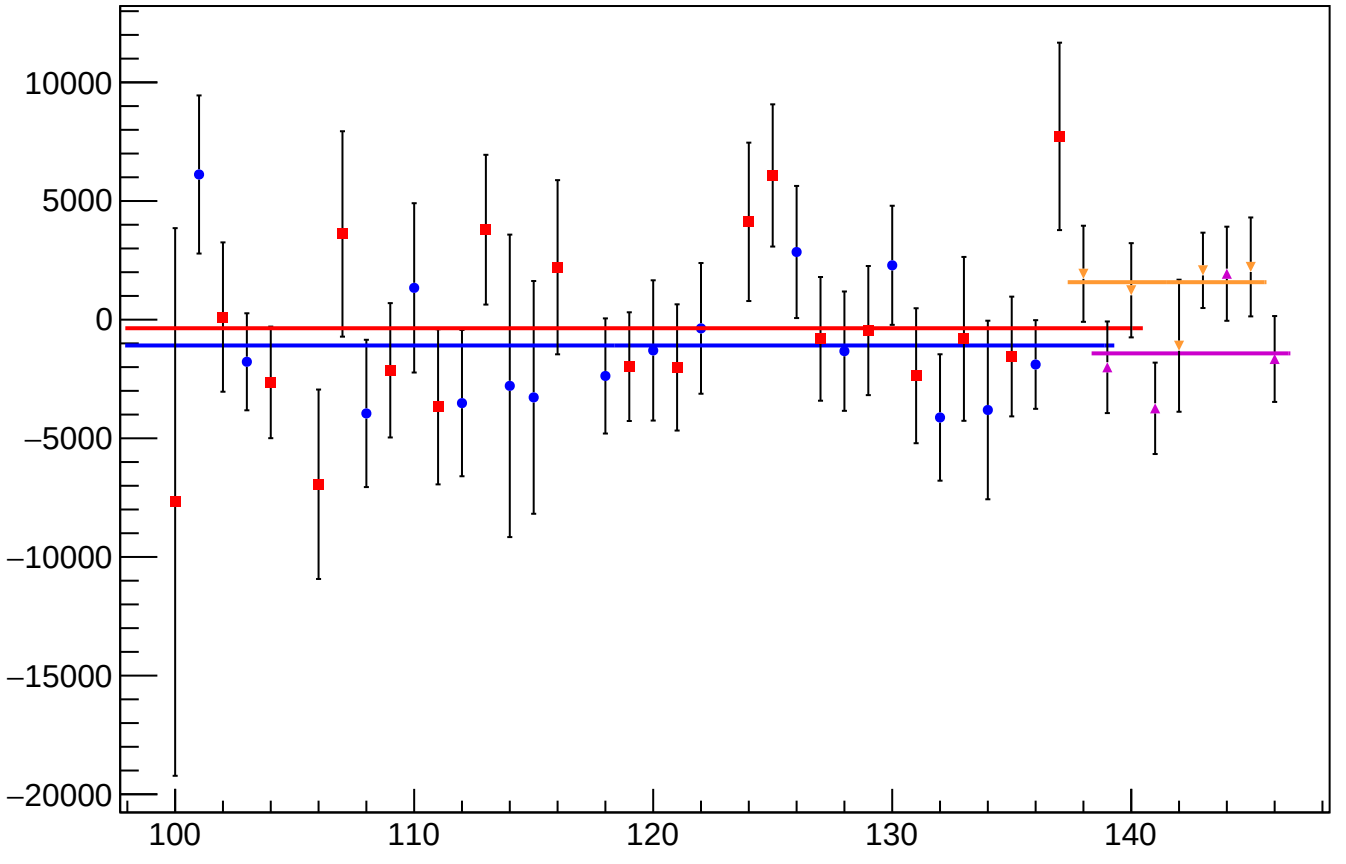
Left: 3711.992+/-0.987 χ^2/NDF: 160650.8/8

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3854.201+/-0.848 χ^2/NDF:751615.1/19

Out: 1342.874+/-0.442 χ^2/NDF:12957815.4/23

All: 1879.056+/-0.392 χ^2/NDF: 20607486.0/4



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1579.198+/-893.244 χ^2/NDF:1.2/4

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1420.846+/-954.483 χ^2/NDF:4.4/3

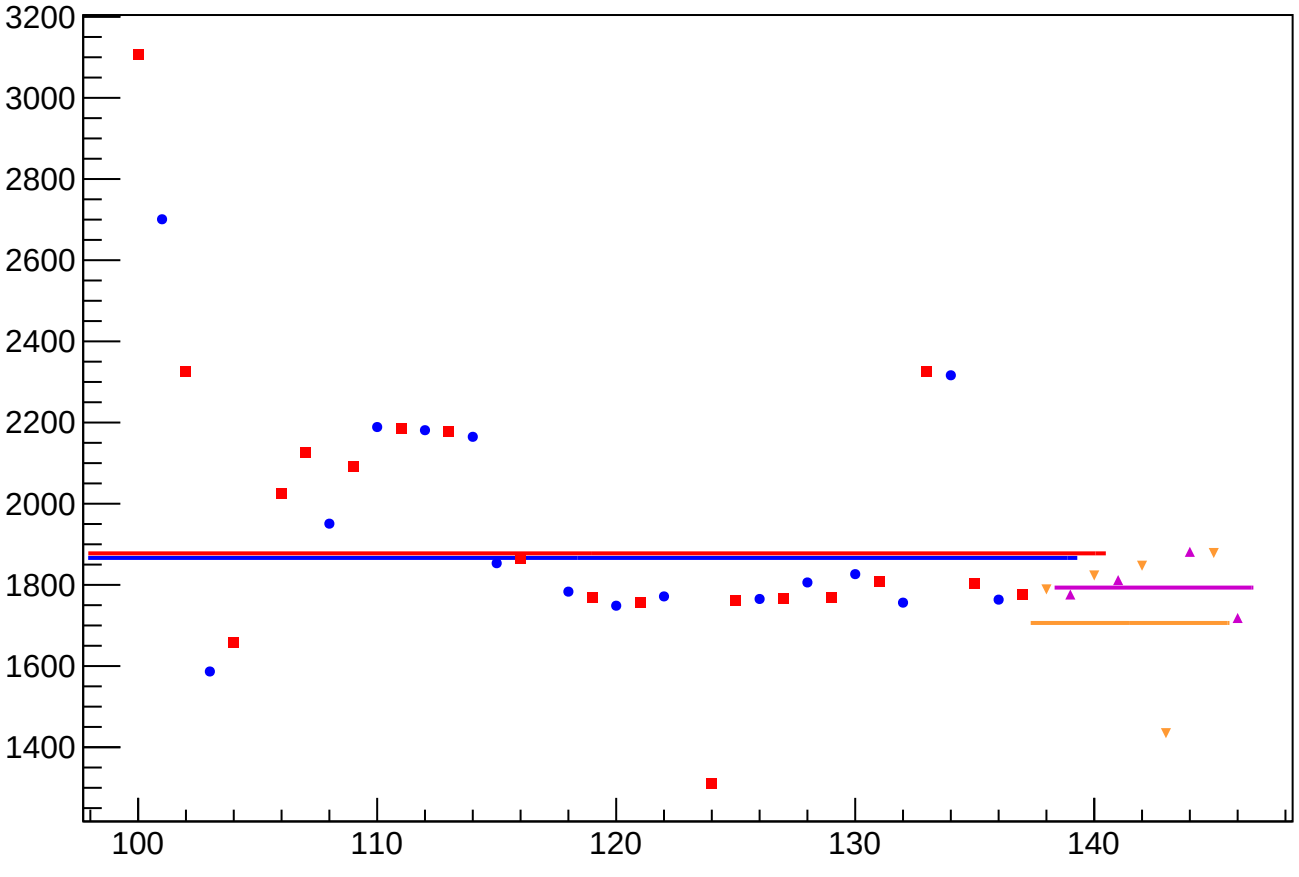
Left: 178.497+/-652.195 χ^2/NDF: 10.9/8

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1204.147+/-564.250 χ^2/NDF:17.7/19

Out: 376.608+/-550.809 χ^2/NDF:24.9/23

All: -394.718+/-394.147 χ^2/NDF: 46.6/43



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1706.190+/-0.632 χ^2/NDF:87588.2/4

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1793.325+/-0.675 χ^2/NDF:7713.4/3

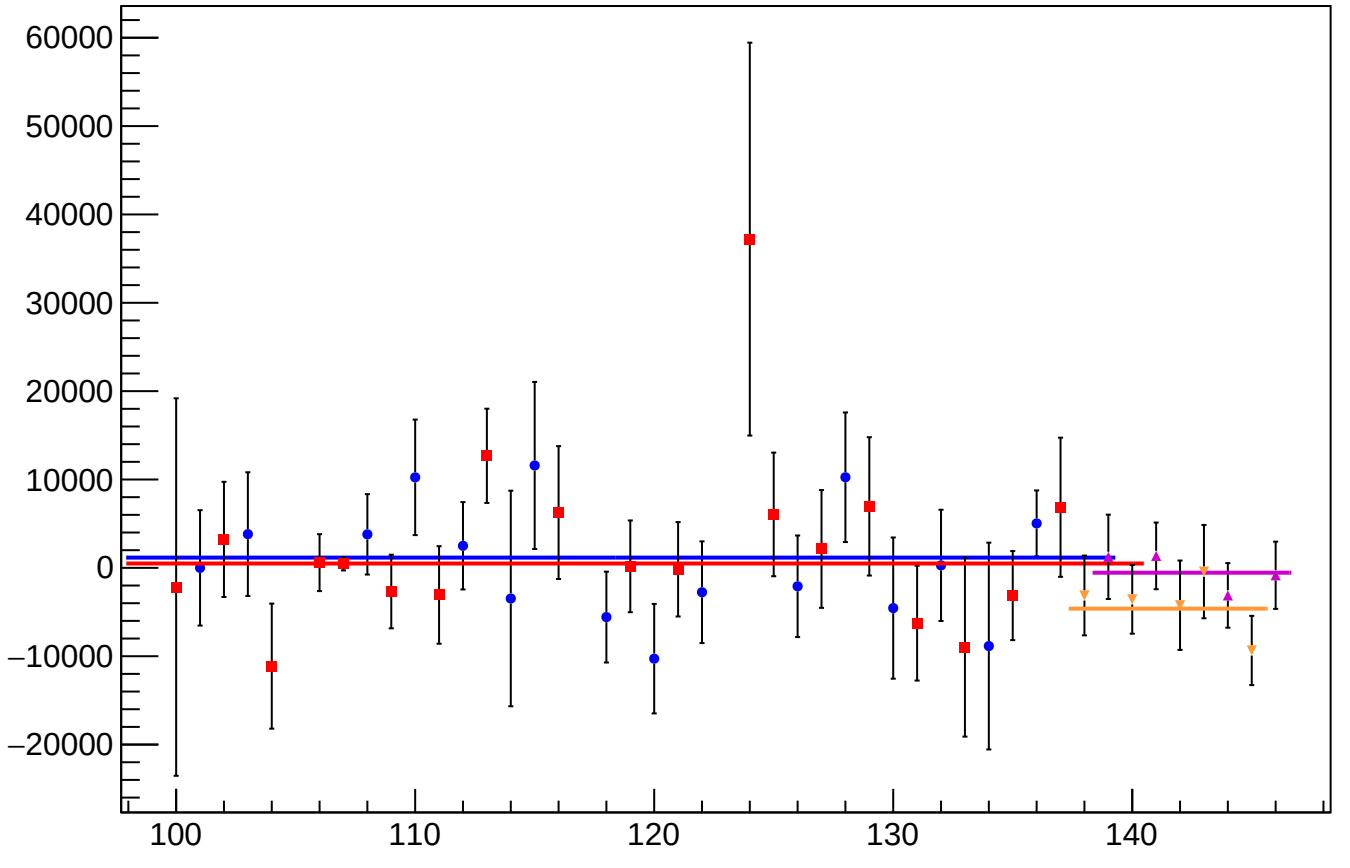
Left: 1746.873+/-0.461 χ^2/NDF: 104187.4/8

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1840.899+/-0.399 χ^2/NDF:271613.3/19

Out: 1812.526+/-0.389 χ^2/NDF:385143.1/23

All: 1826.363+/-0.279 χ^2/NDF: 659347.3/43



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -4616.642+/-1978.980 χ^2/NDF:2.3/4

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -547.214+/-1968.569 χ^2/NDF:0.9/3

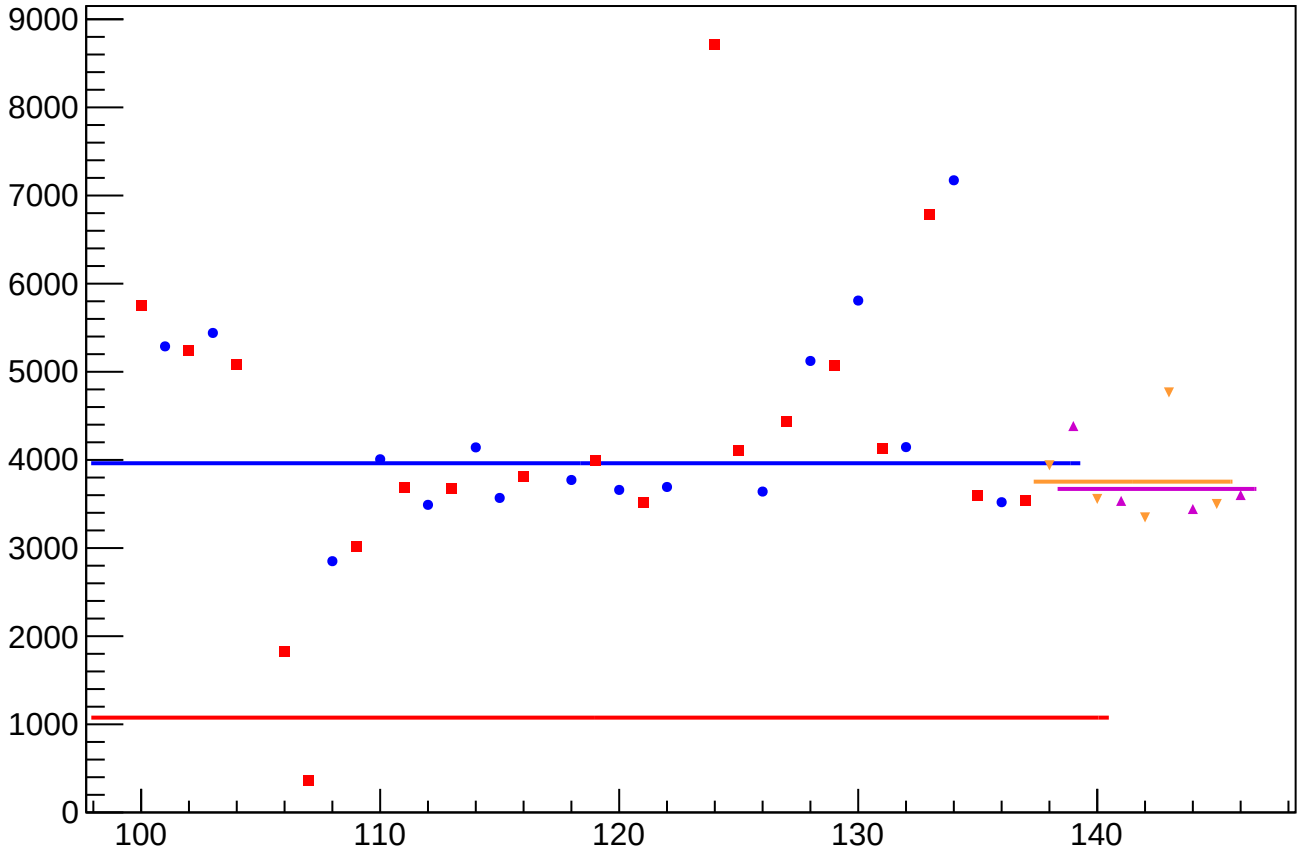
Left: -2571.195+/-1395.655 χ^2/NDF: 5.3/8

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 527.128+/-1199.230 χ^2/NDF:15.0/19

Out: -16.454+/-624.836 χ^2/NDF:25.2/23

All: 99.606+/-554.131 χ^2/NDF: 40.4/43



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3753.520+/-1.399 χ^2/NDF:103194.8/4

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3670.907+/-1.392 χ^2/NDF:55703.7/3

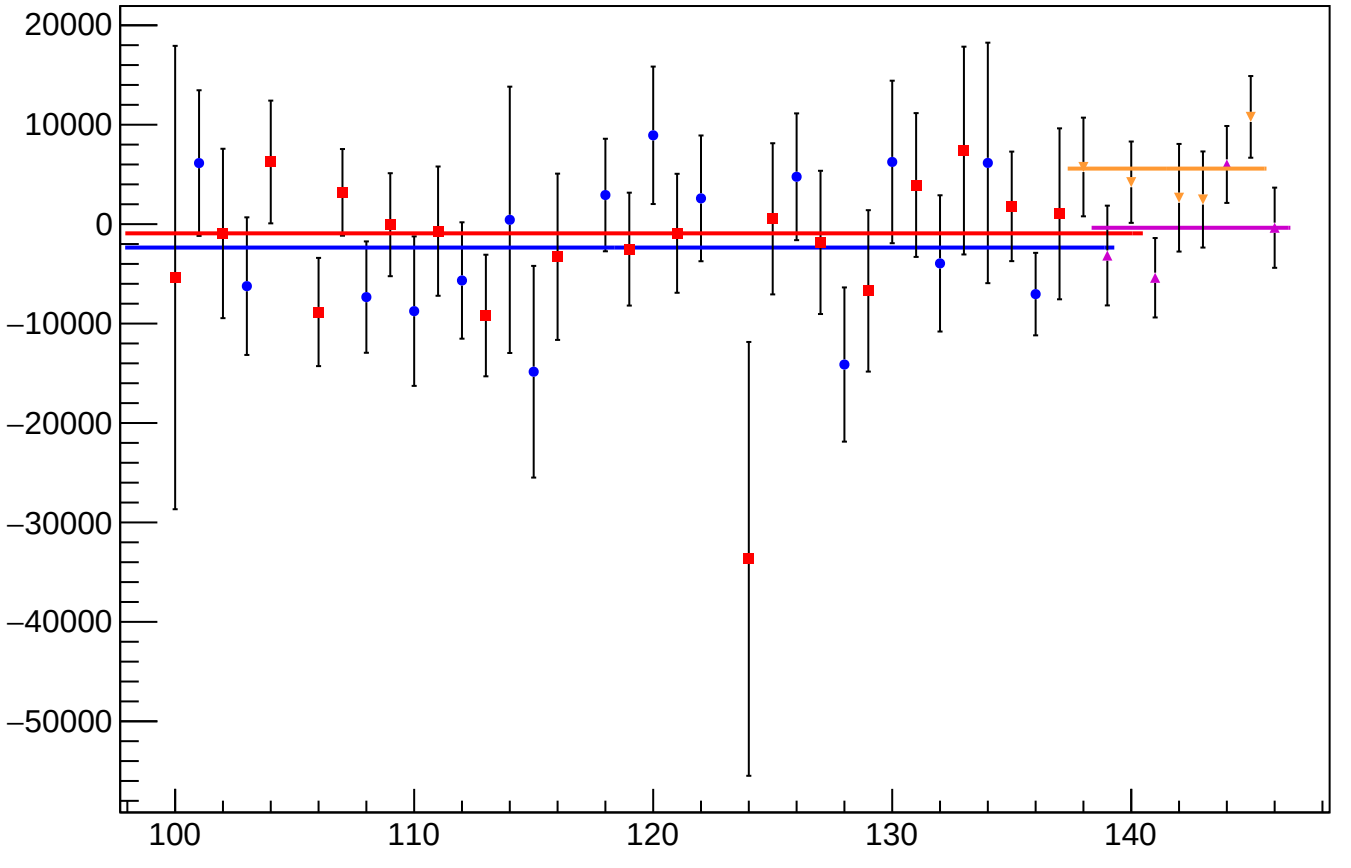
Left: 3711.995+/-0.987 χ^2/NDF: 160650.5/8

Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3854.199+/-0.848 χ^2/NDF:751610.2/19

Out: 1342.909+/-0.442 χ^2/NDF:12957600.8/23

All: 1879.097+/-0.392 χ^2/NDF: 20607023.4/4



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 5586.442+/-2056.001 χ^2/NDF:2.4/4

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -364.981+/-2081.884 χ^2/NDF:4.6/3

Left: 2647.957+/-1462.877 χ^2/NDF: 11.2/8

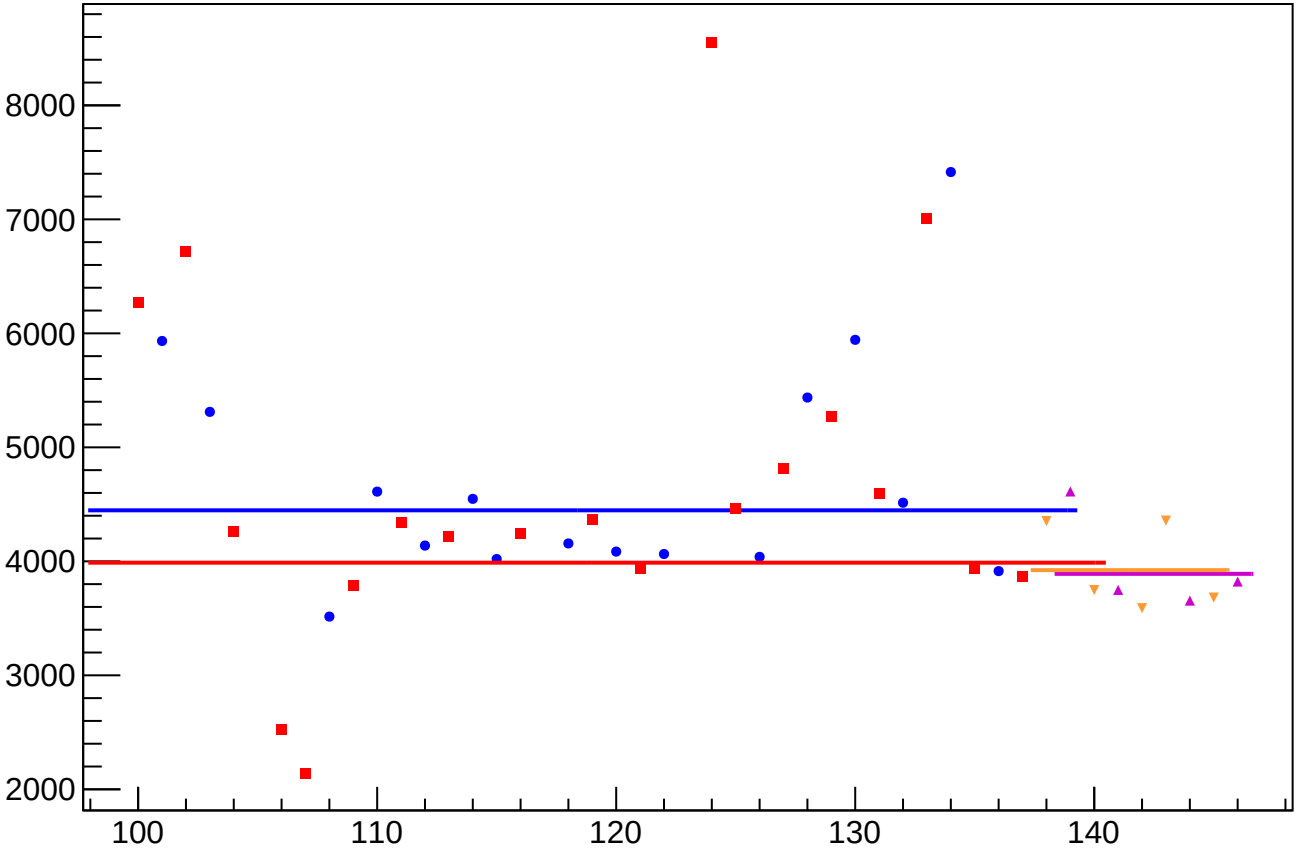
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -1567.392+/-1309.659 χ^2/NDF:20.7/19

Out: 1428.691+/-1236.099 χ^2/NDF:19.4/23

All: 17.150+/-898.935 χ^2/NDF: 42.9/43

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3922.645+/-1.454 χ^2/NDF:49341.1/4

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 3890.346+/-1.472 χ^2/NDF:51920.8/3

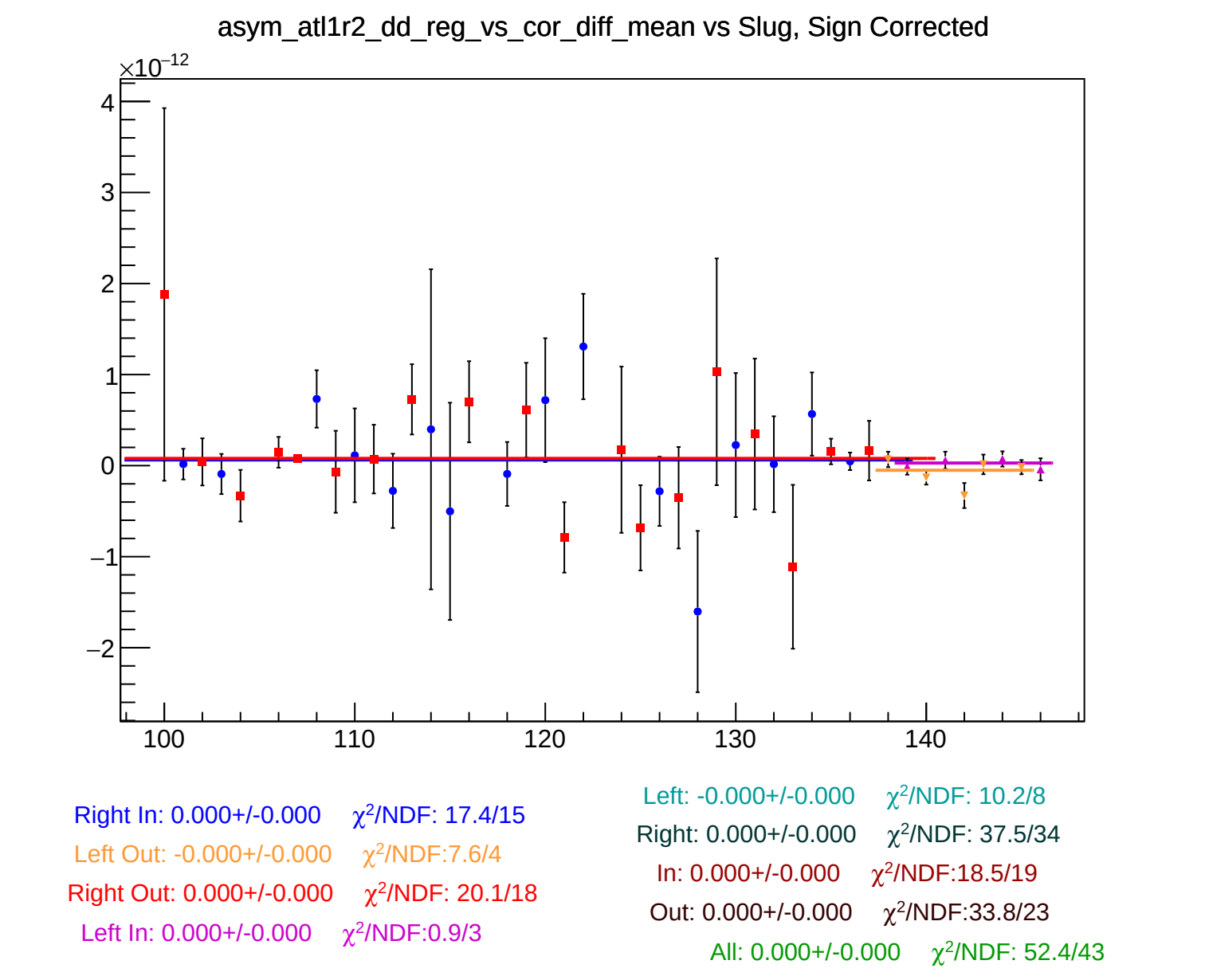
Left: 3906.697+/-1.034 χ^2/NDF: 101505.6/8

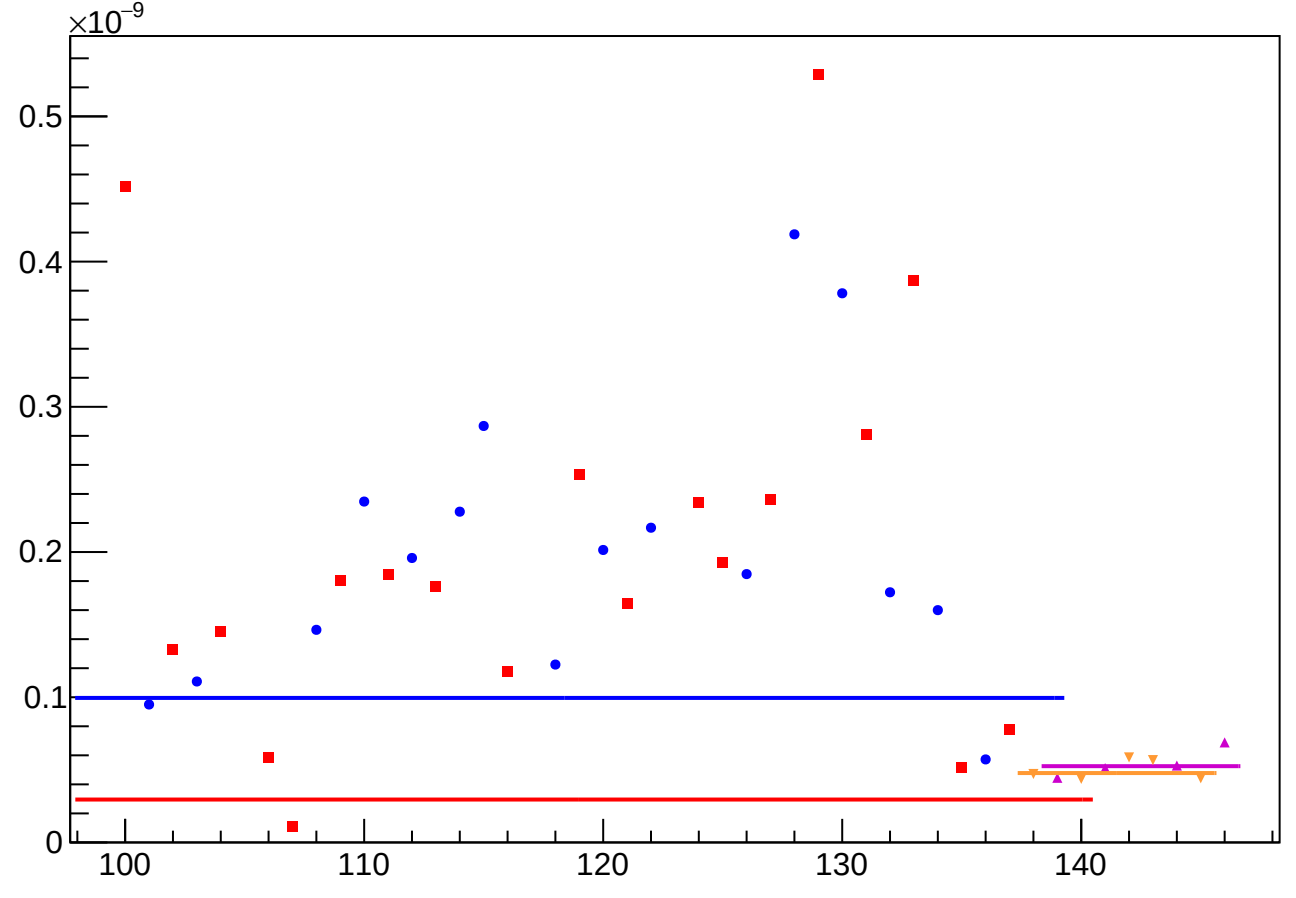
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4226.969+/-0.926 χ^2/NDF:596704.0/19

Out: 3964.837+/-0.868 χ^2/NDF:1194583.1/23

All: 4087.501+/-0.633 χ^2/NDF: 1833916.5/43


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:7.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.9/3
Left: -0.000+/-0.000 χ²/NDF: 10.2/8
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:18.5/19
Out: 0.000+/-0.000 χ²/NDF:33.8/23
All: 0.000+/-0.000 χ²/NDF: 52.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:35513.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:53263.0/3

Left: 0.000+/-0.000 χ^2/NDF: 100369.2/8

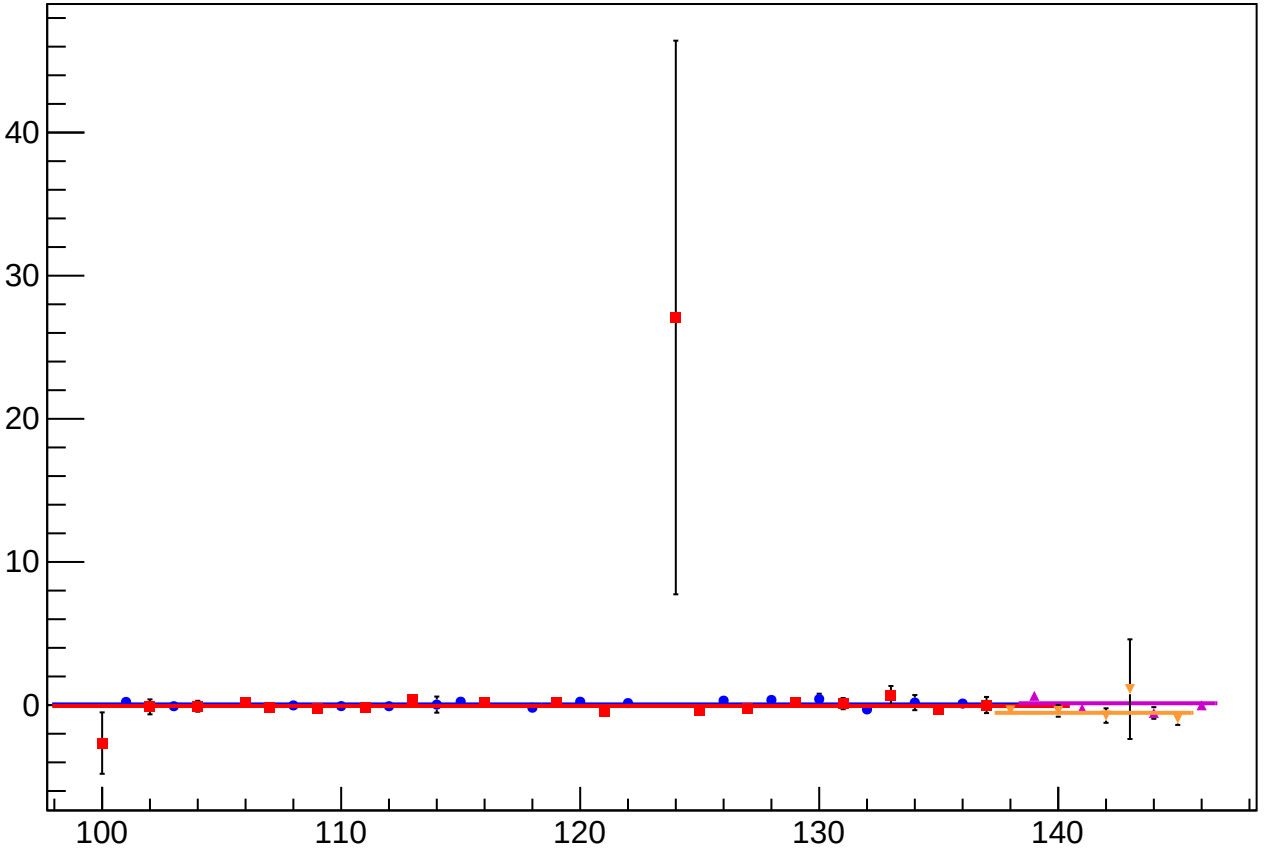
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2260566.7/19

Out: 0.000+/-0.000 χ^2/NDF:4640050.5/23

All: 0.000+/-0.000 χ^2/NDF: 7781839.8/43

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: -0.538+/-0.199 χ^2/NDF:1.6/4

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.128+/-0.149 χ^2/NDF:9.0/3

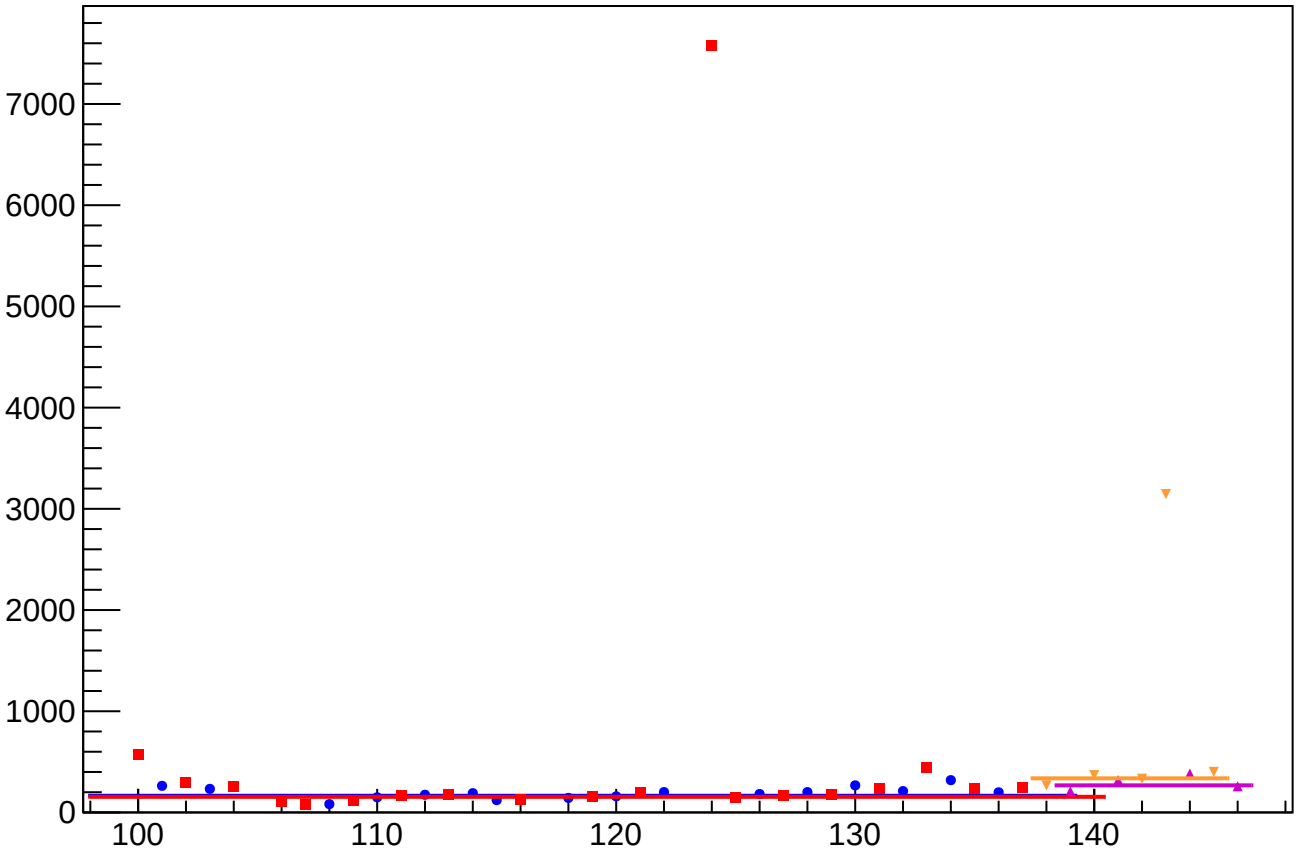
Left: -0.111+/-0.119 χ^2/NDF: 17.8/8

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.061+/-0.061 χ^2/NDF:16.9/19

Out: -0.107+/-0.061 χ^2/NDF:25.2/23

All: -0.022+/-0.043 χ^2/NDF: 45.9/43



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 337.160+/-0.140 χ^2/NDF:1454578.7/4

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.836+/-0.105 χ^2/NDF:330122.1/3

Left: 292.720+/-0.084 χ^2/NDF: 1940825.6/8

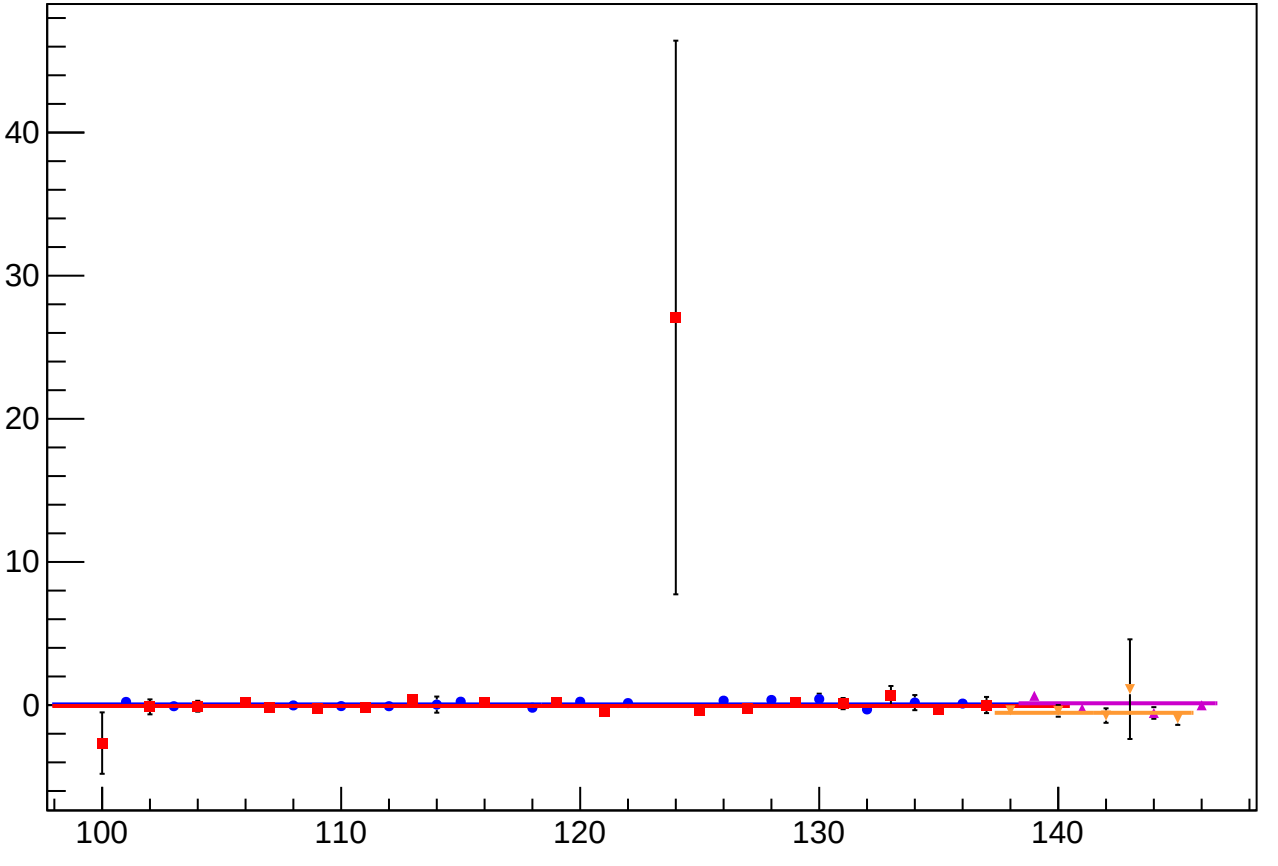
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 181.992+/-0.043 χ^2/NDF:2604827.8/19

Out: 171.770+/-0.043 χ^2/NDF:4907806.2/23

All: 176.934+/-0.030 χ^2/NDF: 7540758.3/43

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: -0.538+/-0.199 χ^2/NDF:1.6/4

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.128+/-0.149 χ^2/NDF:9.0/3

Left: -0.111+/-0.119 χ^2/NDF: 17.8/8

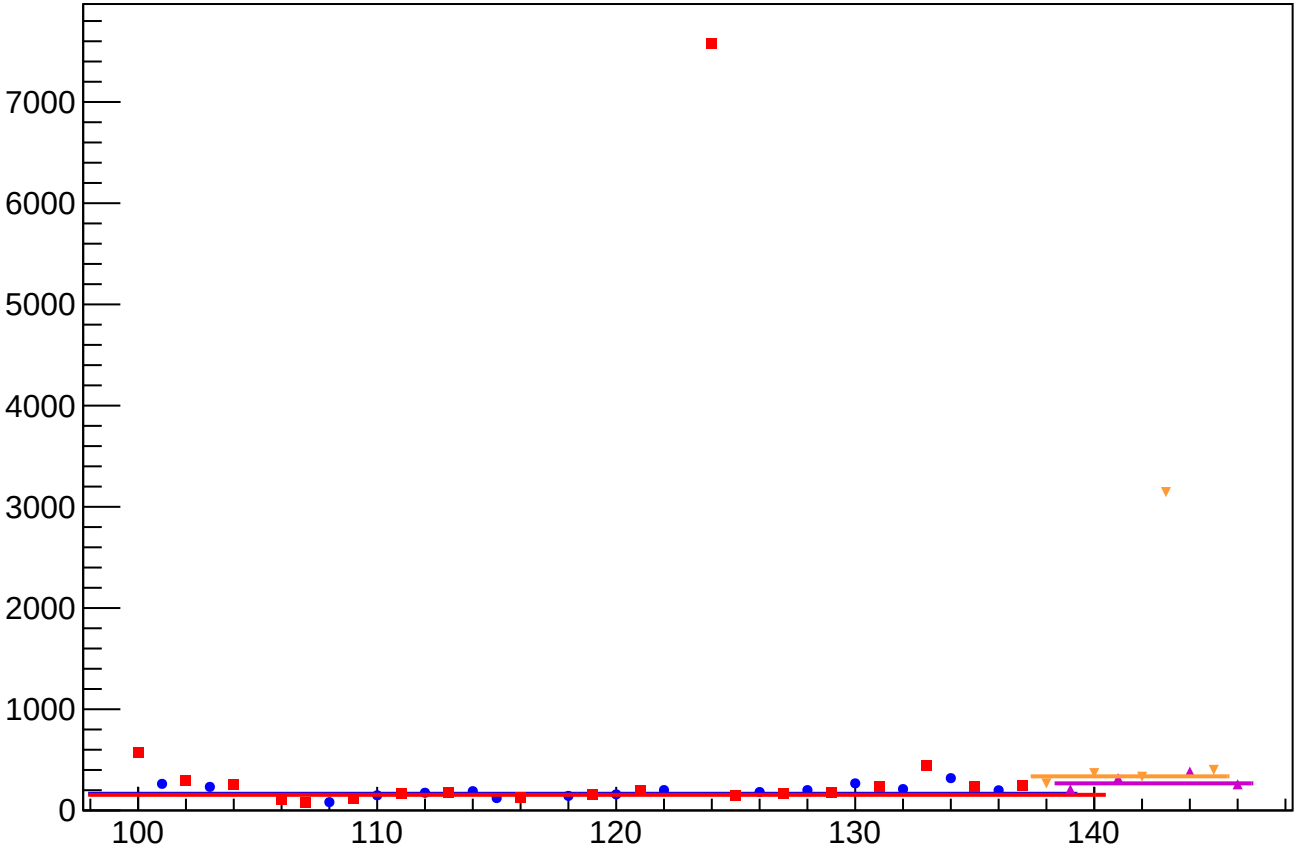
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.061+/-0.061 χ^2/NDF:16.9/19

Out: -0.107+/-0.061 χ^2/NDF:25.2/23

All: -0.022+/-0.043 χ^2/NDF: 45.9/43

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 337.160+/-0.140 χ^2/NDF:1454578.7/4

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.836+/-0.105 χ^2/NDF:330122.1/3

Left: 292.720+/-0.084 χ^2/NDF: 1940825.6/8

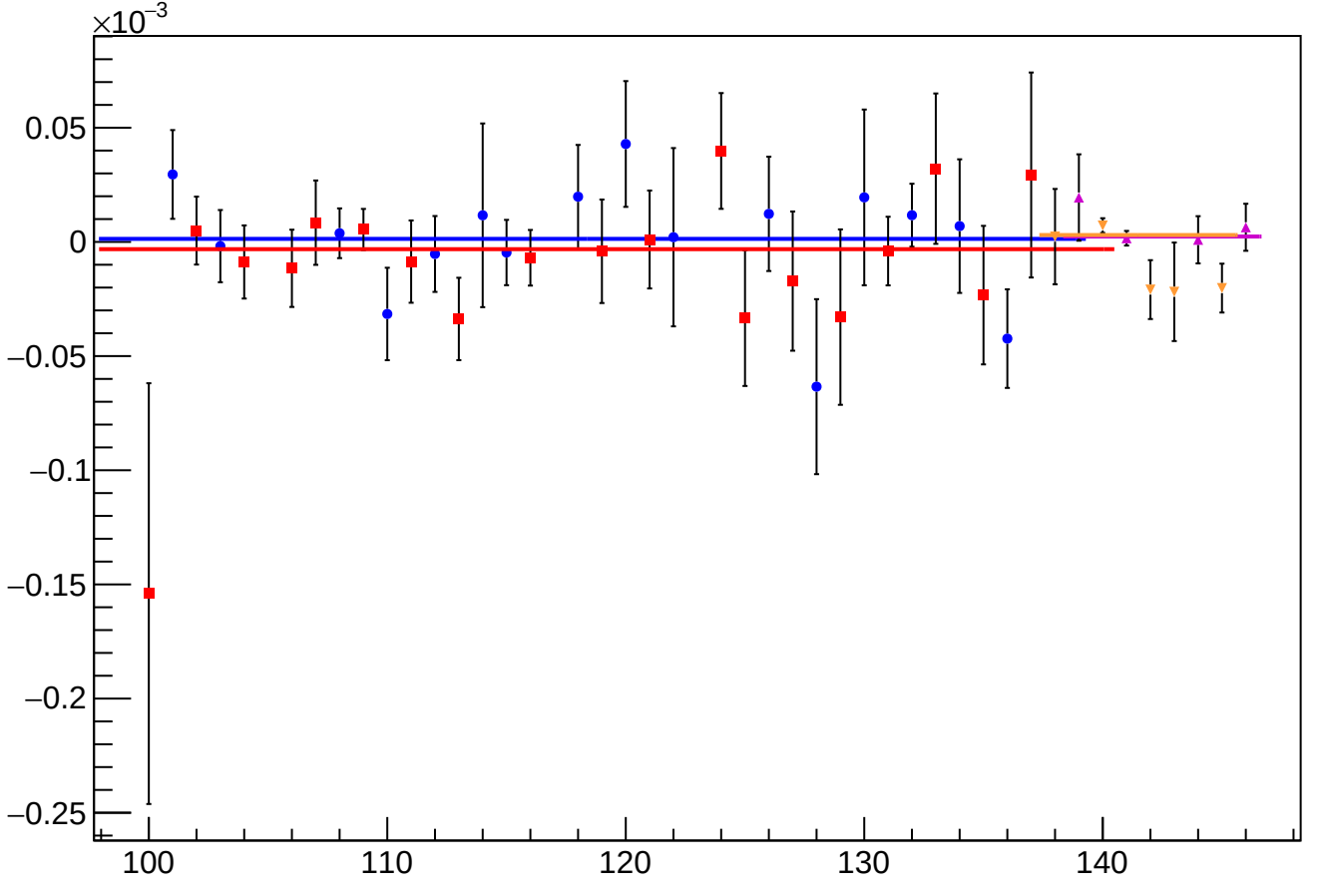
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 181.992+/-0.043 χ^2/NDF:2604827.8/19

Out: 171.770+/-0.043 χ^2/NDF:4907806.2/23

All: 176.934+/-0.030 χ^2/NDF: 7540758.3/43

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/4

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

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

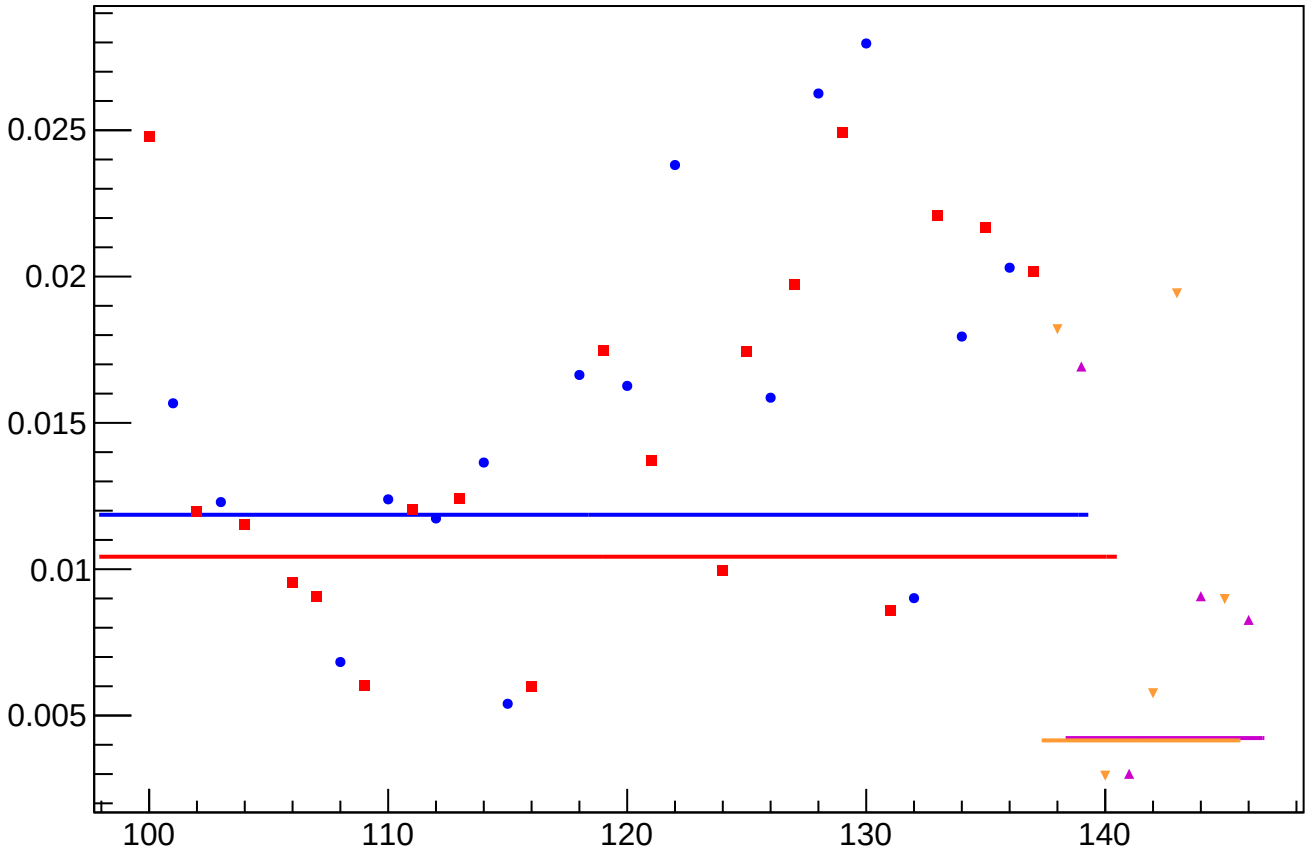
Left: 0.000+/-0.000 χ^2/NDF: 12.2/8

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:17.2/19

Out: 0.000+/-0.000 χ^2/NDF:27.2/23

All: 0.000+/-0.000 χ^2/NDF: 44.5/43



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2630853.4/4

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.004+/-0.000 χ^2/NDF:1938762.9/3

Left: 0.004+/-0.000 χ^2/NDF: 4570377.6/8

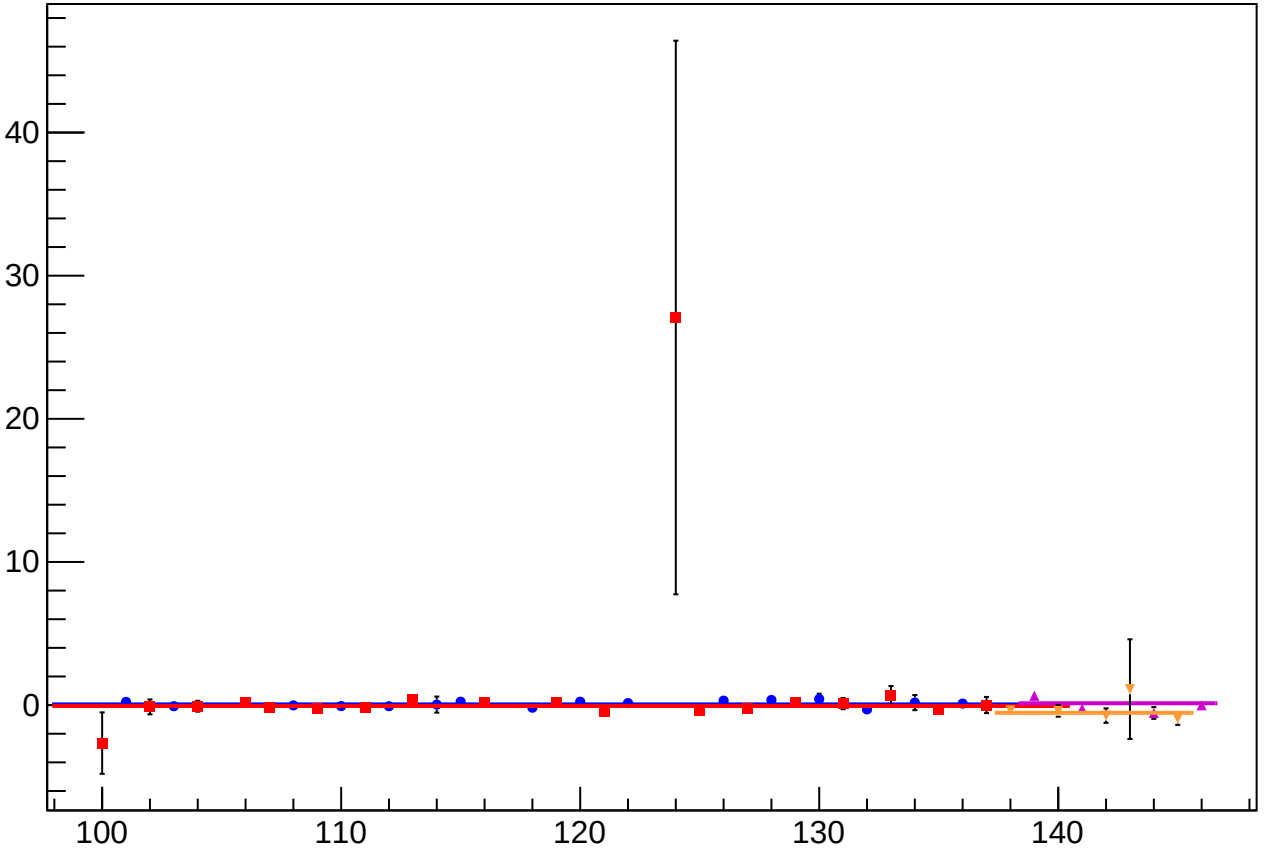
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:7966220.4/19

Out: 0.006+/-0.000 χ^2/NDF:7952107.6/23

All: 0.006+/-0.000 χ^2/NDF: 15918602.4/43

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: -0.538+/-0.199 χ^2/NDF:1.6/4

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.128+/-0.149 χ^2/NDF:9.0/3

Left: -0.111+/-0.119 χ^2/NDF: 17.8/8

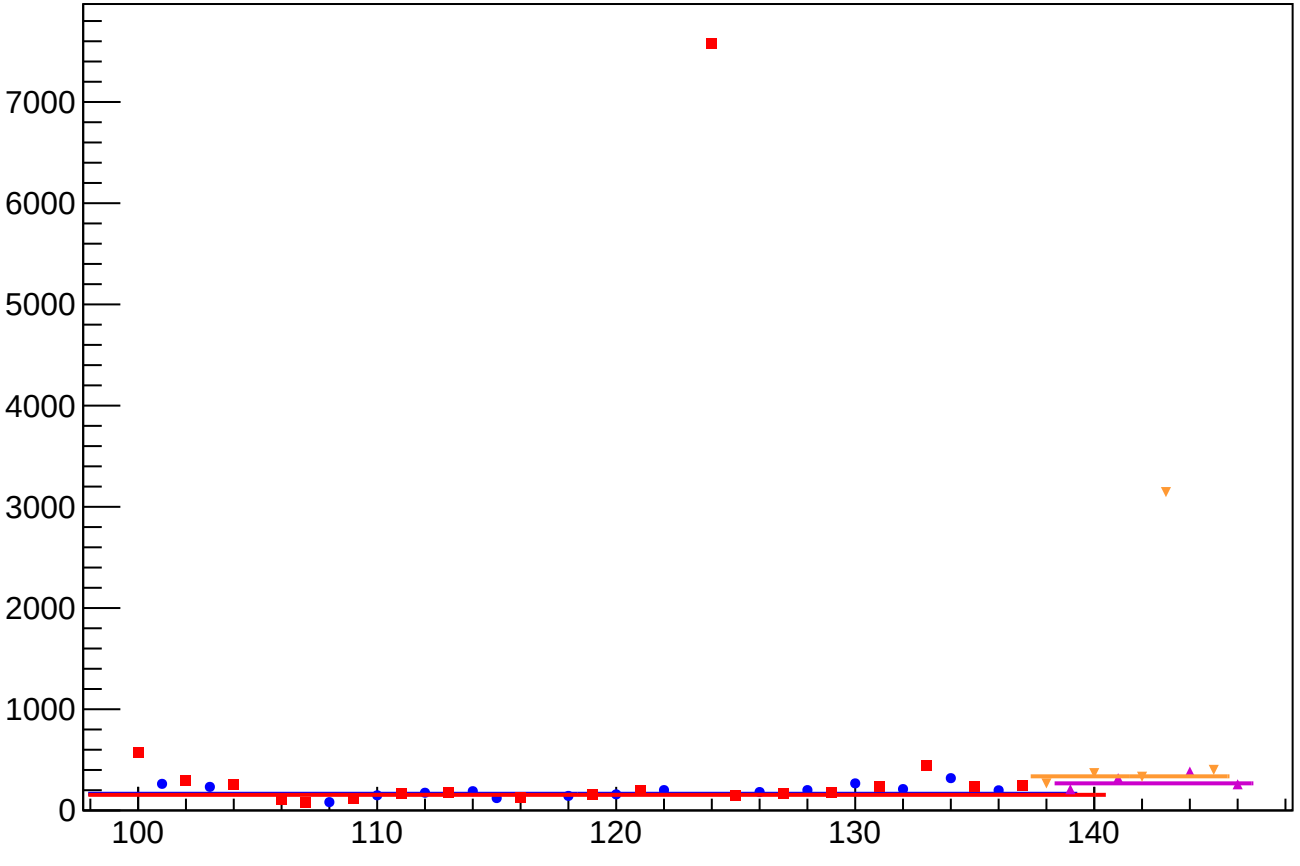
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.061+/-0.061 χ^2/NDF:16.9/19

Out: -0.107+/-0.061 χ^2/NDF:25.2/23

All: -0.022+/-0.043 χ^2/NDF: 45.9/43

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 337.164+/-0.140 χ^2/NDF:1454566.1/4

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.839+/-0.105 χ^2/NDF:330108.3/3

Left: 292.724+/-0.084 χ^2/NDF: 1940798.3/8

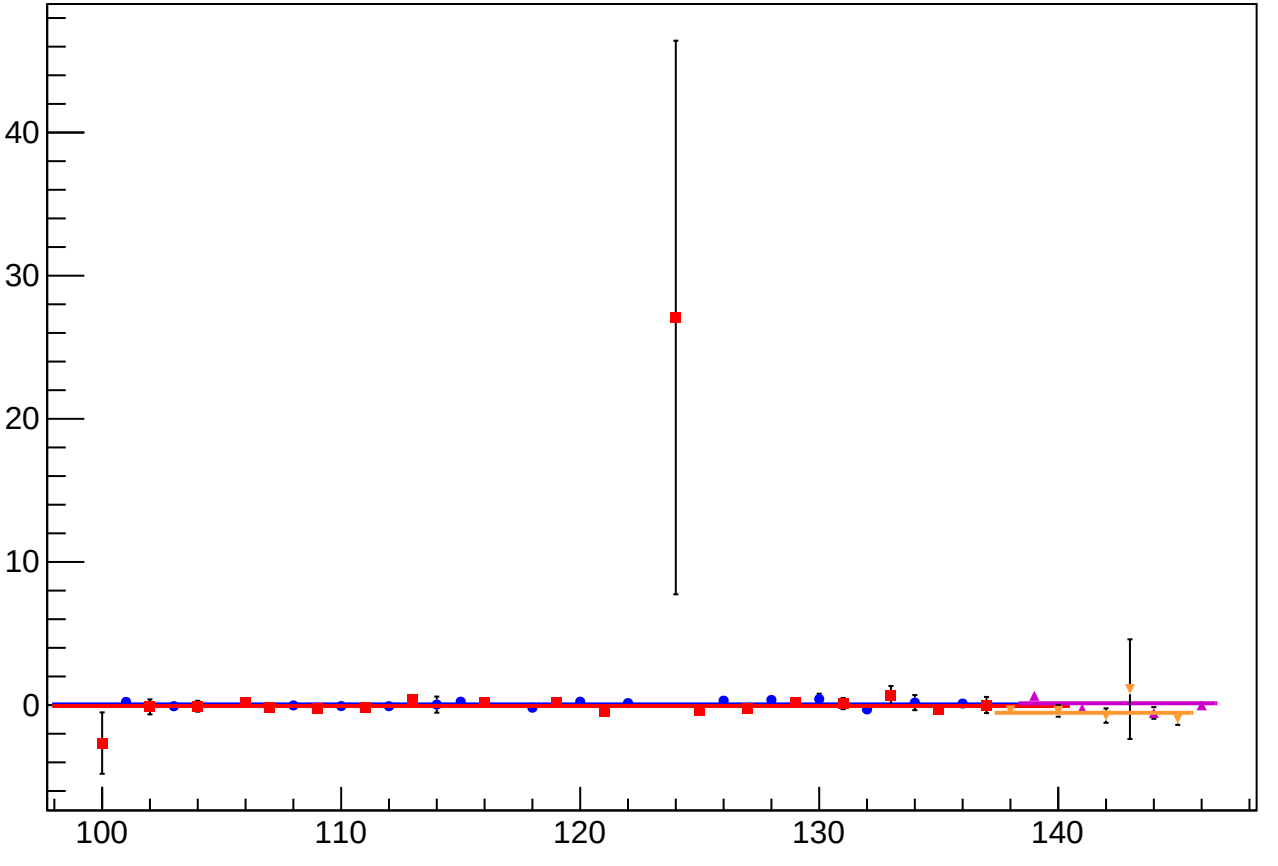
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 181.992+/-0.043 χ^2/NDF:2604827.7/19

Out: 171.770+/-0.043 χ^2/NDF:4907859.0/23

All: 176.934+/-0.030 χ^2/NDF: 7540812.2/43

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: -0.538+/-0.199 χ^2/NDF:1.6/4

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.128+/-0.149 χ^2/NDF:9.0/3

Left: -0.111+/-0.119 χ^2/NDF: 17.8/8

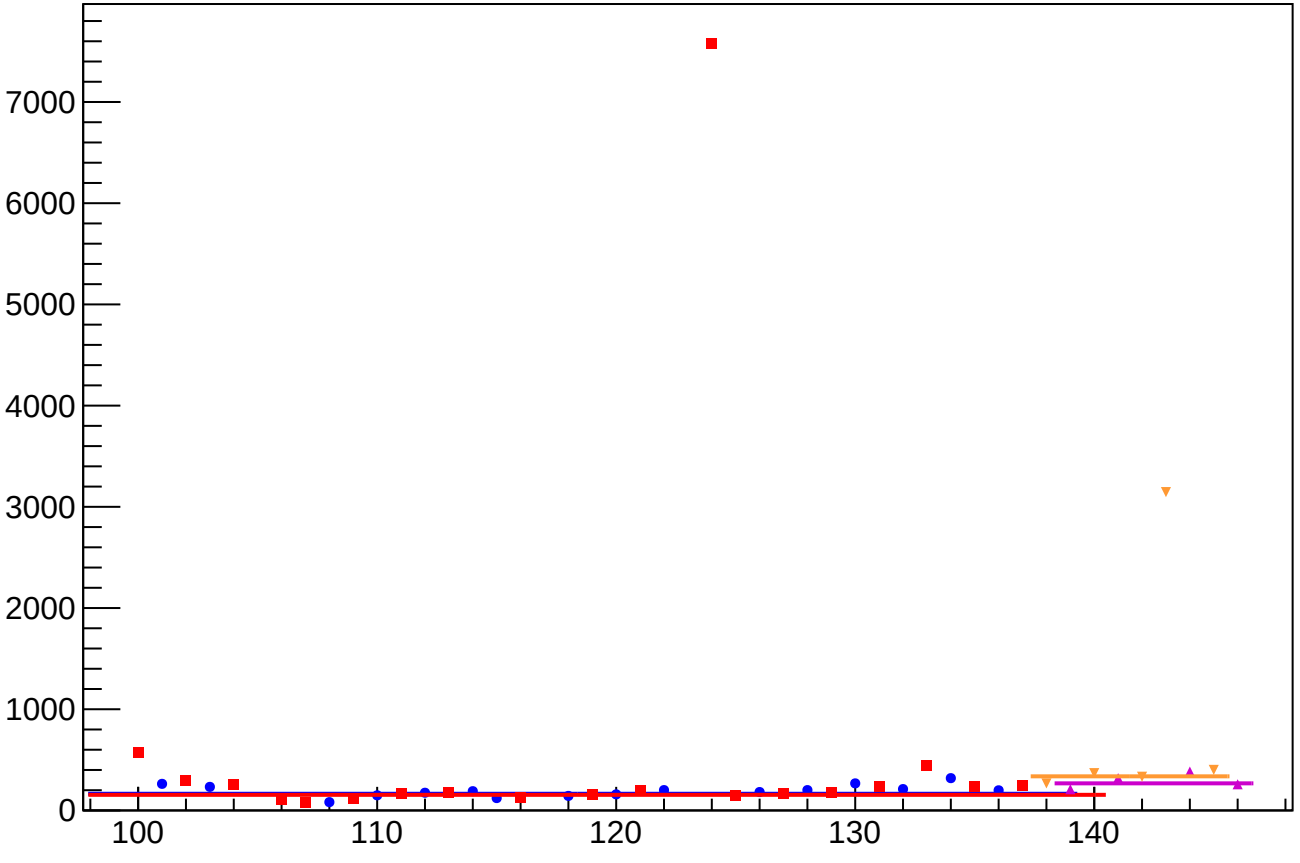
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.061+/-0.061 χ^2/NDF:16.9/19

Out: -0.107+/-0.061 χ^2/NDF:25.2/23

All: -0.022+/-0.043 χ^2/NDF: 45.9/43

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: 337.164+/-0.140 χ^2/NDF:1454566.1/4

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.839+/-0.105 χ^2/NDF:330108.3/3

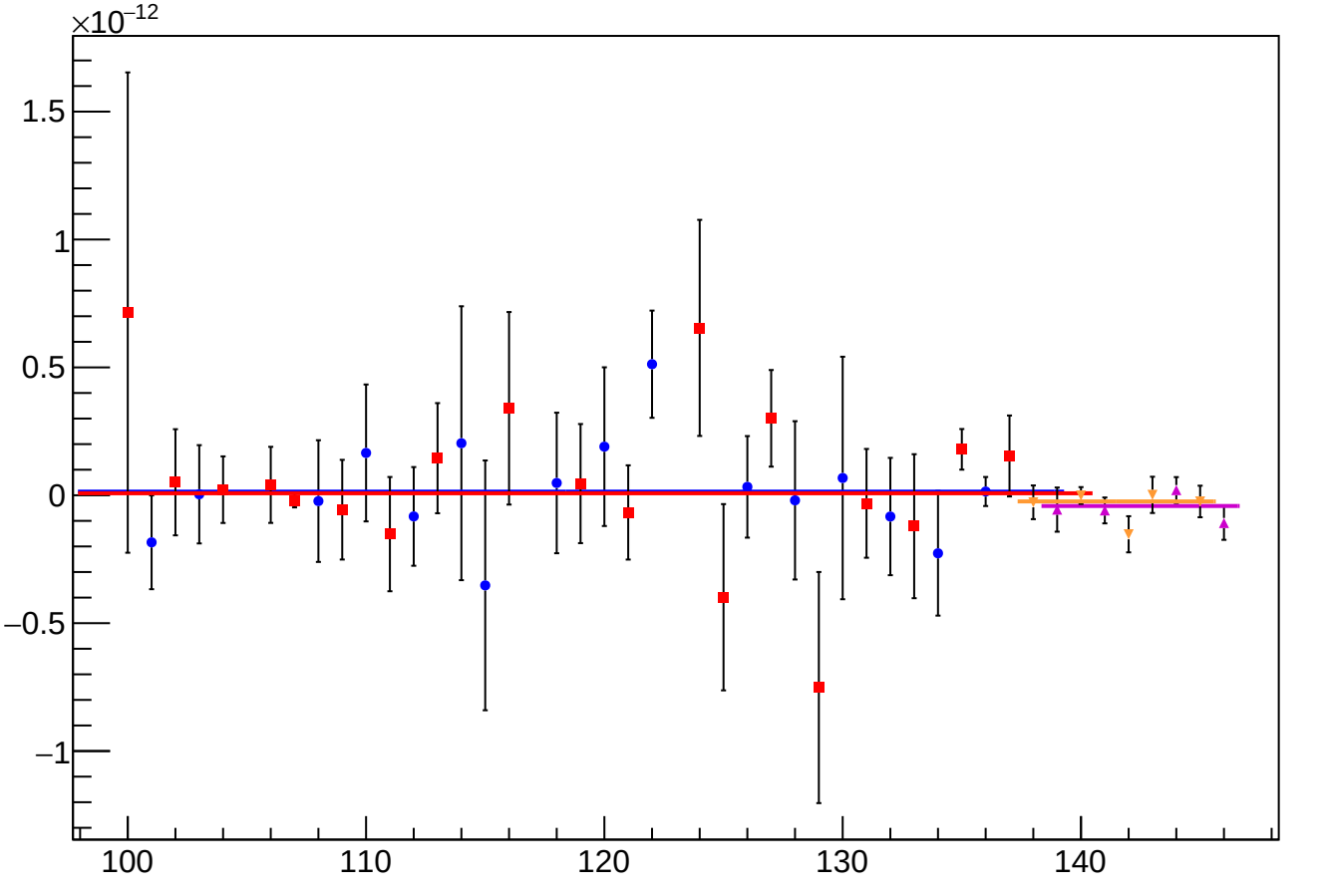
Left: 292.724+/-0.084 χ^2/NDF: 1940798.3/8

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 181.992+/-0.043 χ^2/NDF:2604827.7/19

Out: 171.770+/-0.043 χ^2/NDF:4907859.0/23

All: 176.934+/-0.030 χ^2/NDF: 7540812.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/4

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

Left In: -0.000+/-0.000 χ^2/NDF:2.7/3

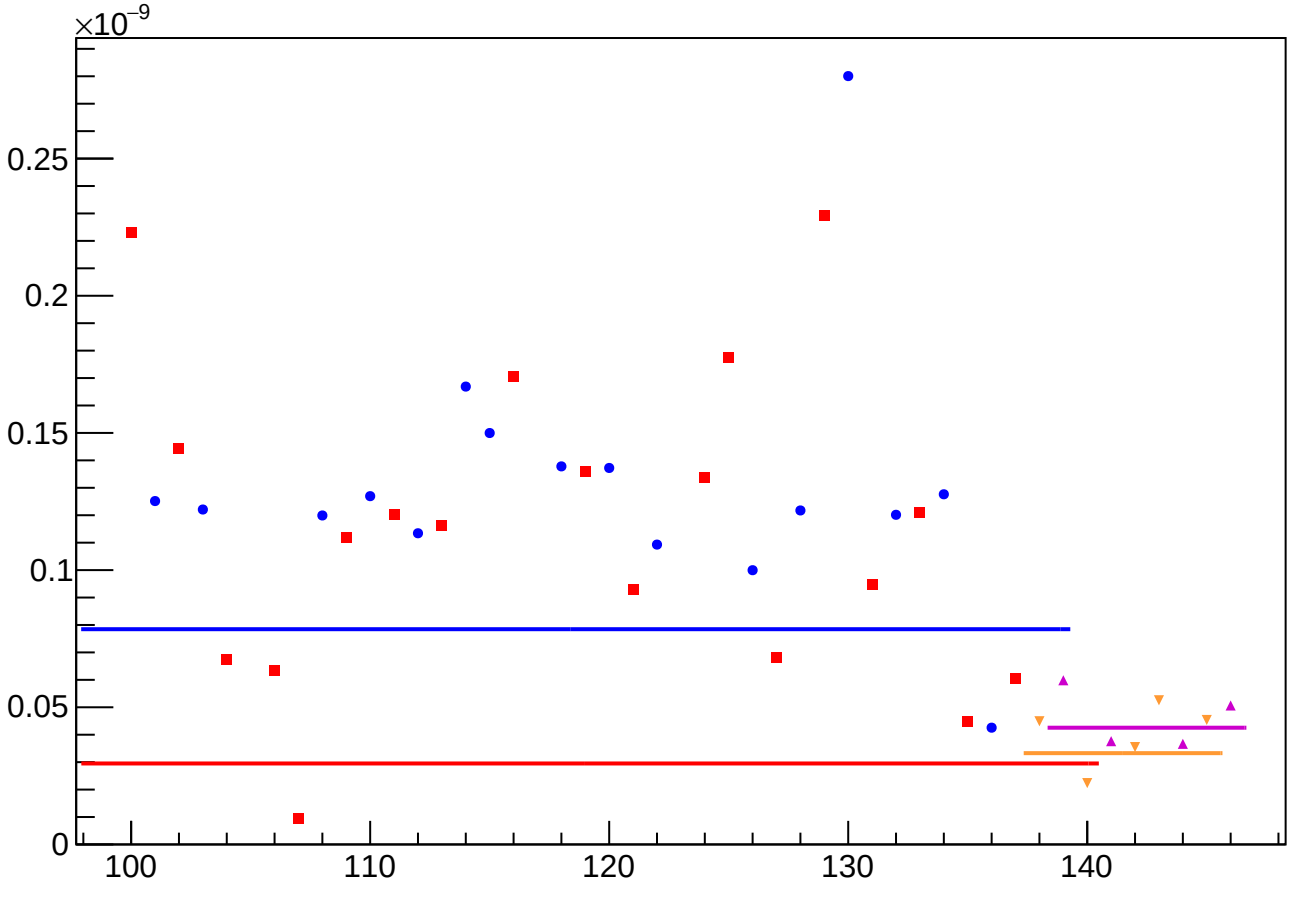
Left: -0.000+/-0.000 χ^2/NDF: 6.8/8

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:13.5/19

Out: -0.000+/-0.000 χ^2/NDF:23.2/23

All: -0.000+/-0.000 χ^2/NDF: 37.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:510335.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:156184.6/3

Left: 0.000+/-0.000 χ^2/NDF: 787363.9/8

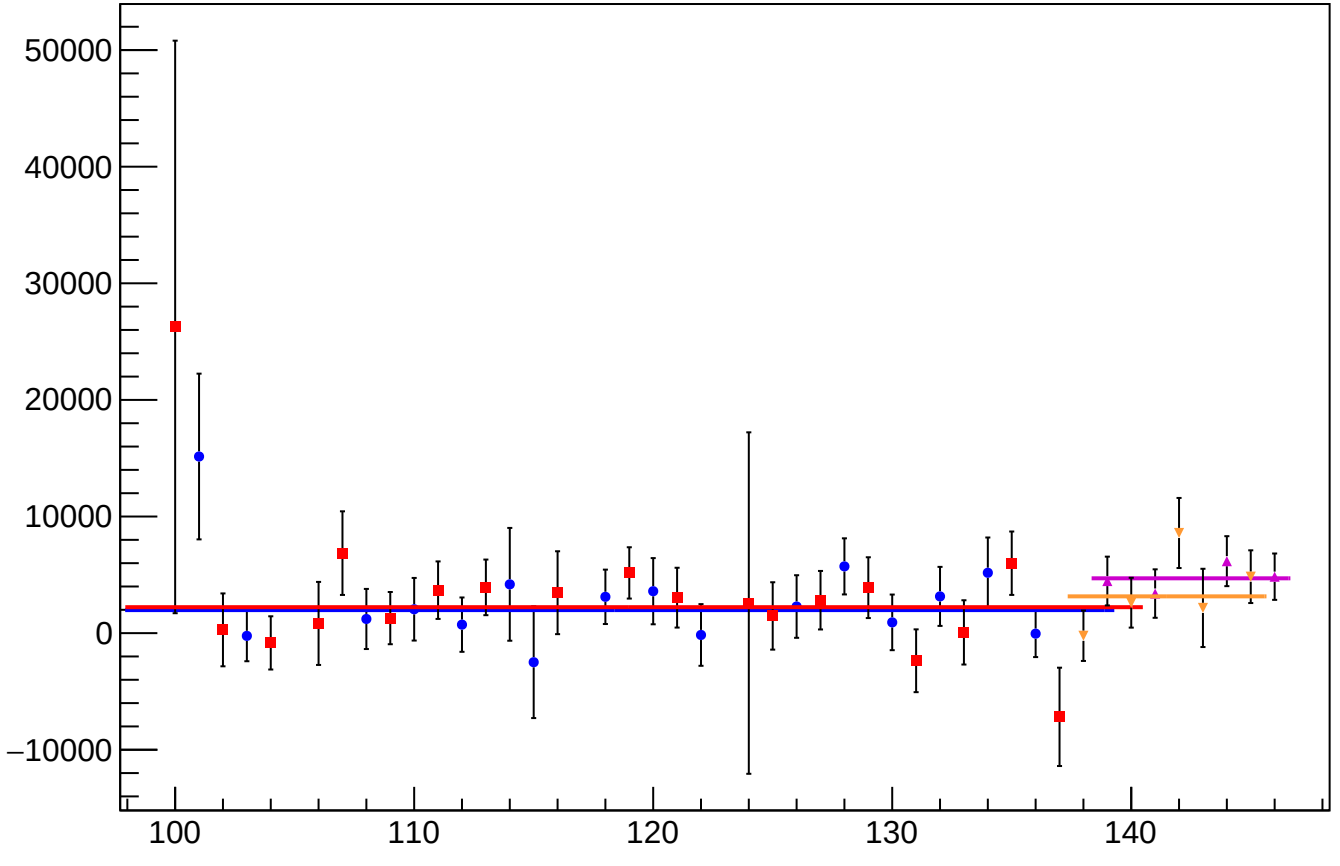
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3224212.9/19

Out: 0.000+/-0.000 χ^2/NDF:6024019.5/23

All: 0.000+/-0.000 χ^2/NDF: 10476277.4/43

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 3154.120+/-1098.490 χ^2/NDF:6.4/4

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 4701.293+/-1036.237 χ^2/NDF:0.9/3

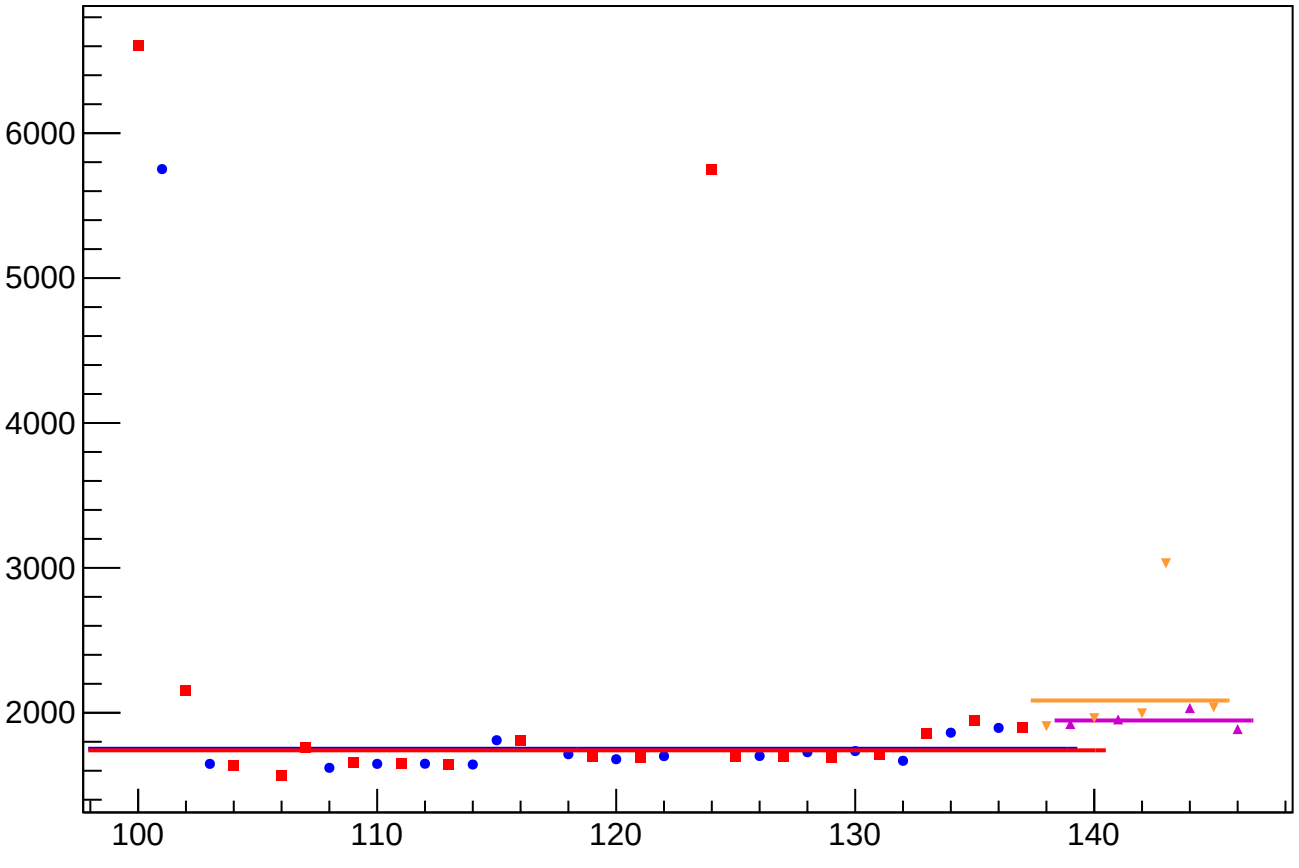
Left: 3972.787+/-753.778 χ^2/NDF: 8.4/8

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2775.774+/-561.279 χ^2/NDF:17.9/19

Out: 2470.265+/-563.395 χ^2/NDF:25.9/23

All: 2623.594+/-397.630 χ^2/NDF: 44.0/43



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 2084.849+/-0.777 χ^2/NDF:181878.7/4

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1946.944+/-0.733 χ^2/NDF:5267.4/3

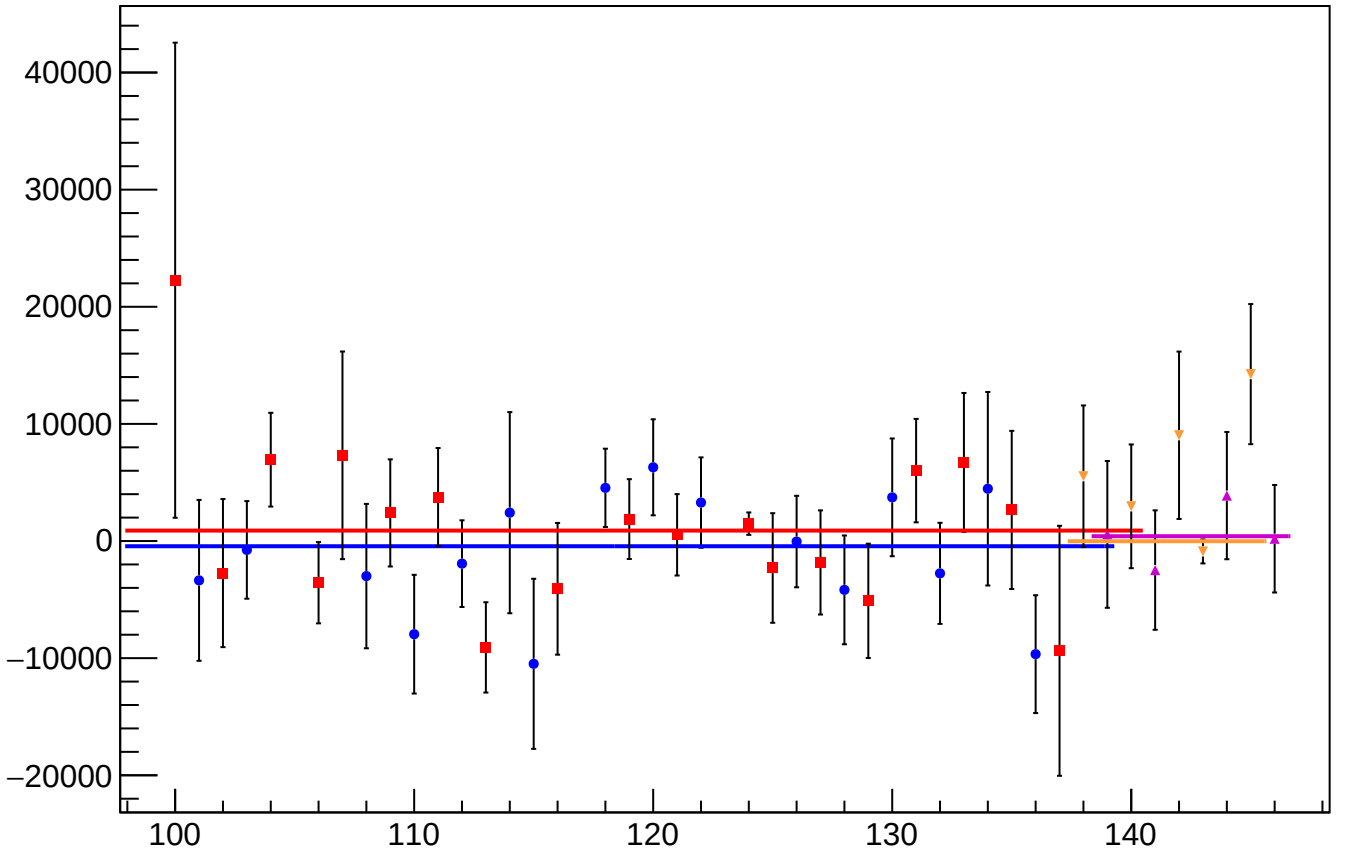
Left: 2011.878+/-0.533 χ^2/NDF: 203825.1/8

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1808.916+/-0.397 χ^2/NDF:726137.3/19

Out: 1830.506+/-0.396 χ^2/NDF:631464.1/23

All: 1819.729+/-0.280 χ^2/NDF: 1359083.6/43



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -16.512+/-967.927 χ^2/NDF:9.2/4

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 411.311+/-2623.727 χ^2/NDF:0.7/3

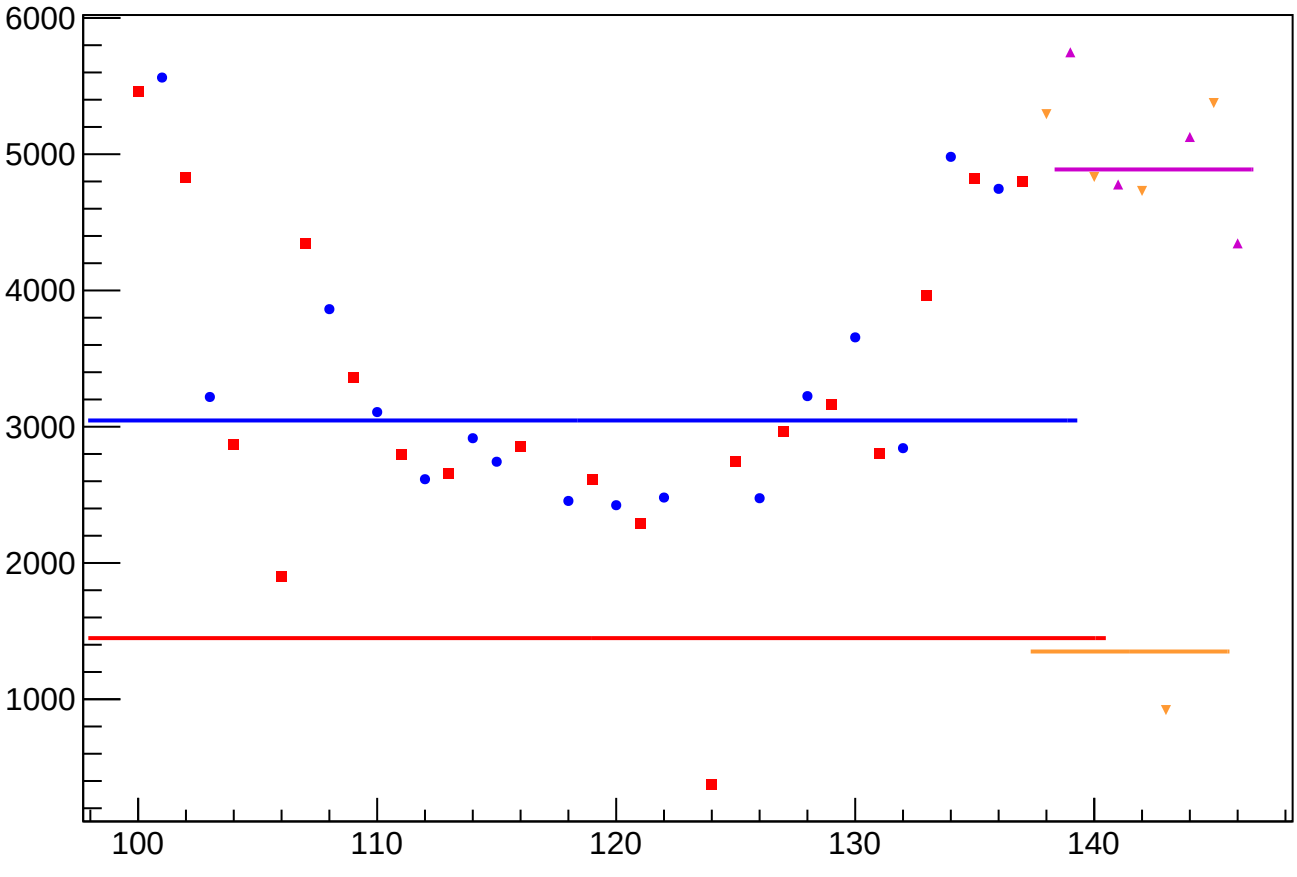
Left: 34.739+/-908.103 χ^2/NDF: 9.9/8

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -301.457+/-1071.955 χ^2/NDF:16.8/19

Out: 565.208+/-580.650 χ^2/NDF:29.8/23

All: 368.605+/-510.559 χ^2/NDF: 47.1/43



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1350.312+/-0.684 χ^2/NDF:3426612.4/4

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4888.101+/-1.855 χ^2/NDF:70363.6/3

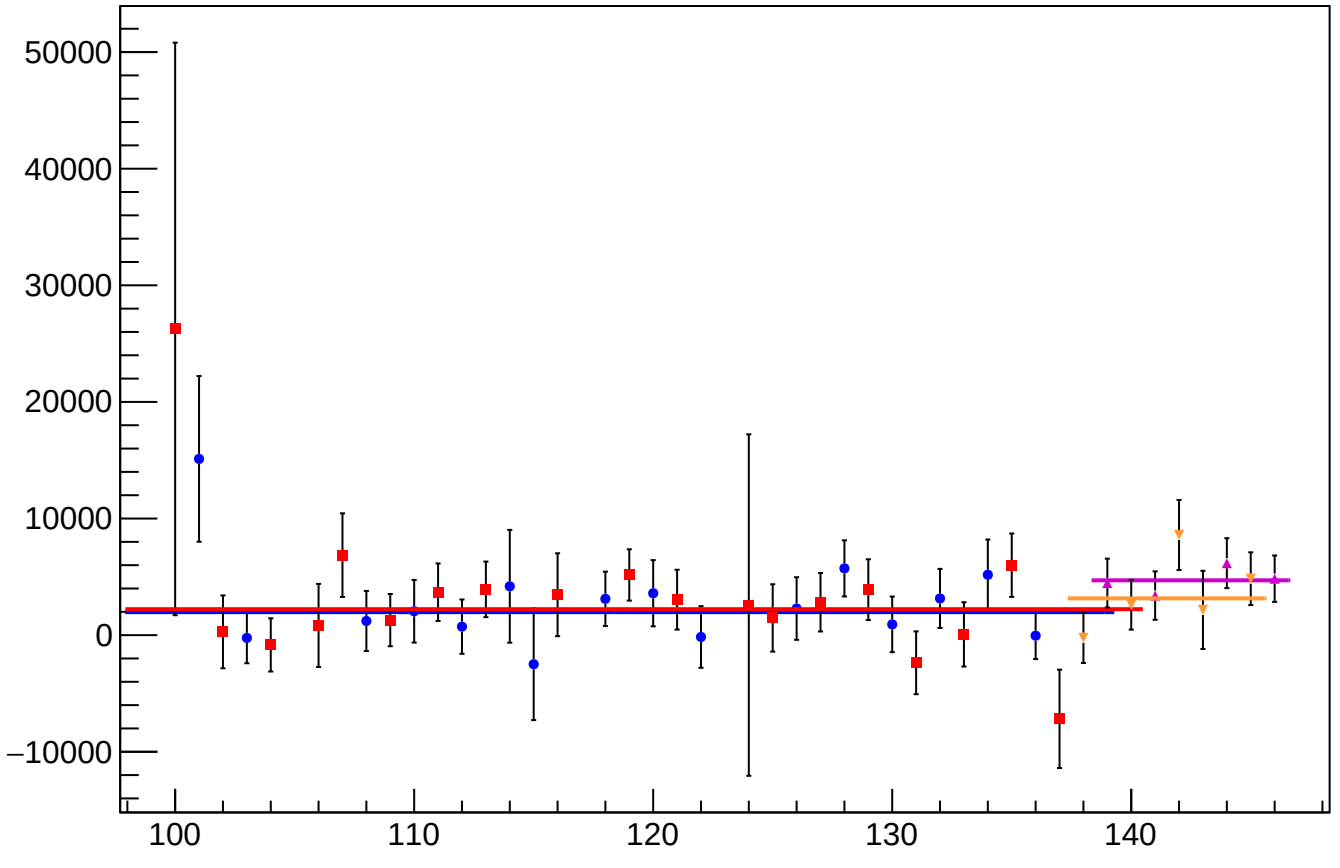
Left: 1774.116+/-0.642 χ^2/NDF: 6697649.4/8

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3353.420+/-0.758 χ^2/NDF:1799129.0/19

Out: 1413.178+/-0.411 χ^2/NDF:10226717.9/23

All: 1853.322+/-0.361 χ^2/NDF: 17091700.5/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 3154.375+/-1098.490 χ^2/NDF:6.4/4

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 4701.481+/-1036.237 χ^2/NDF:0.9/3

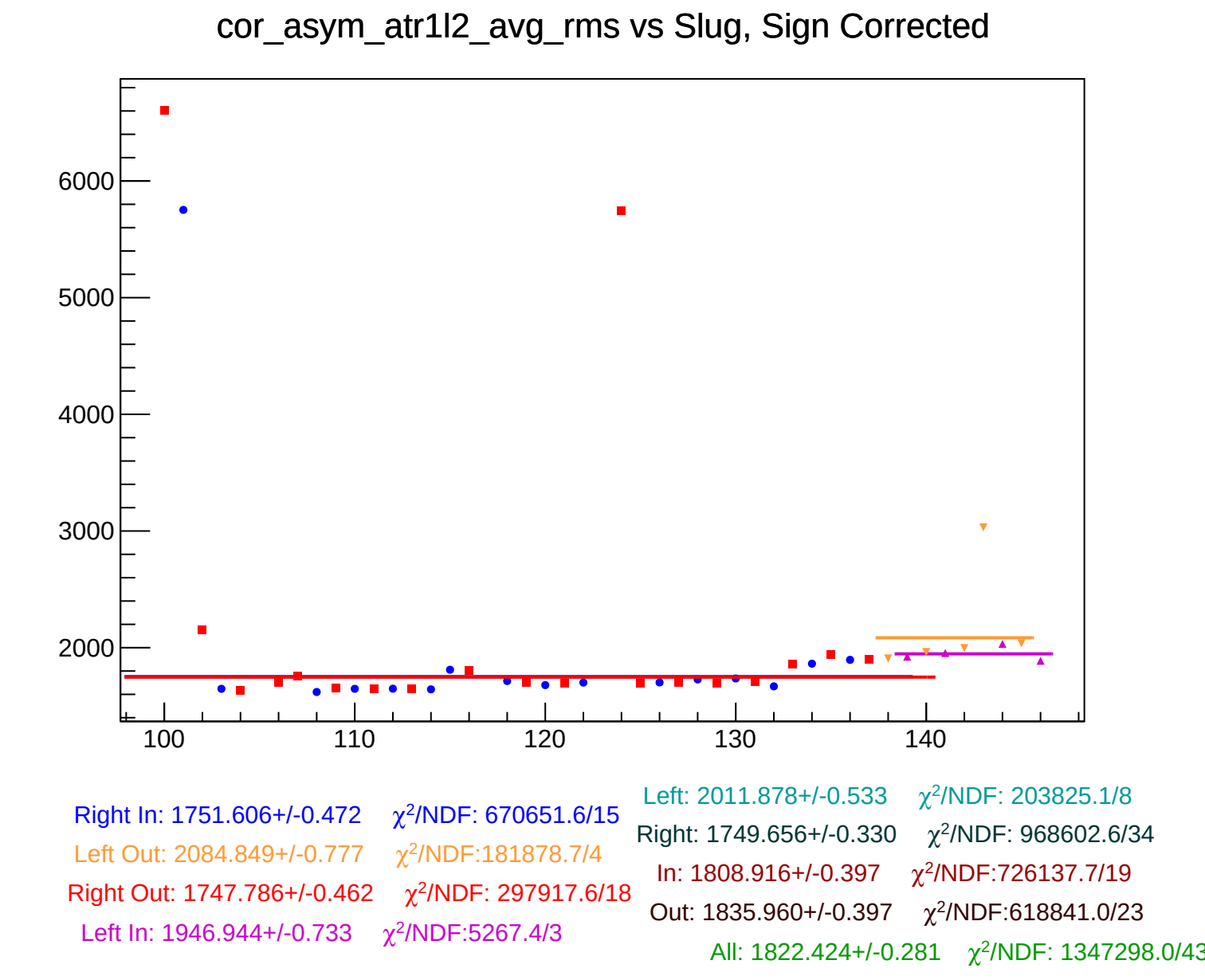
Left: 3973.007+/-753.778 χ^2/NDF: 8.4/8

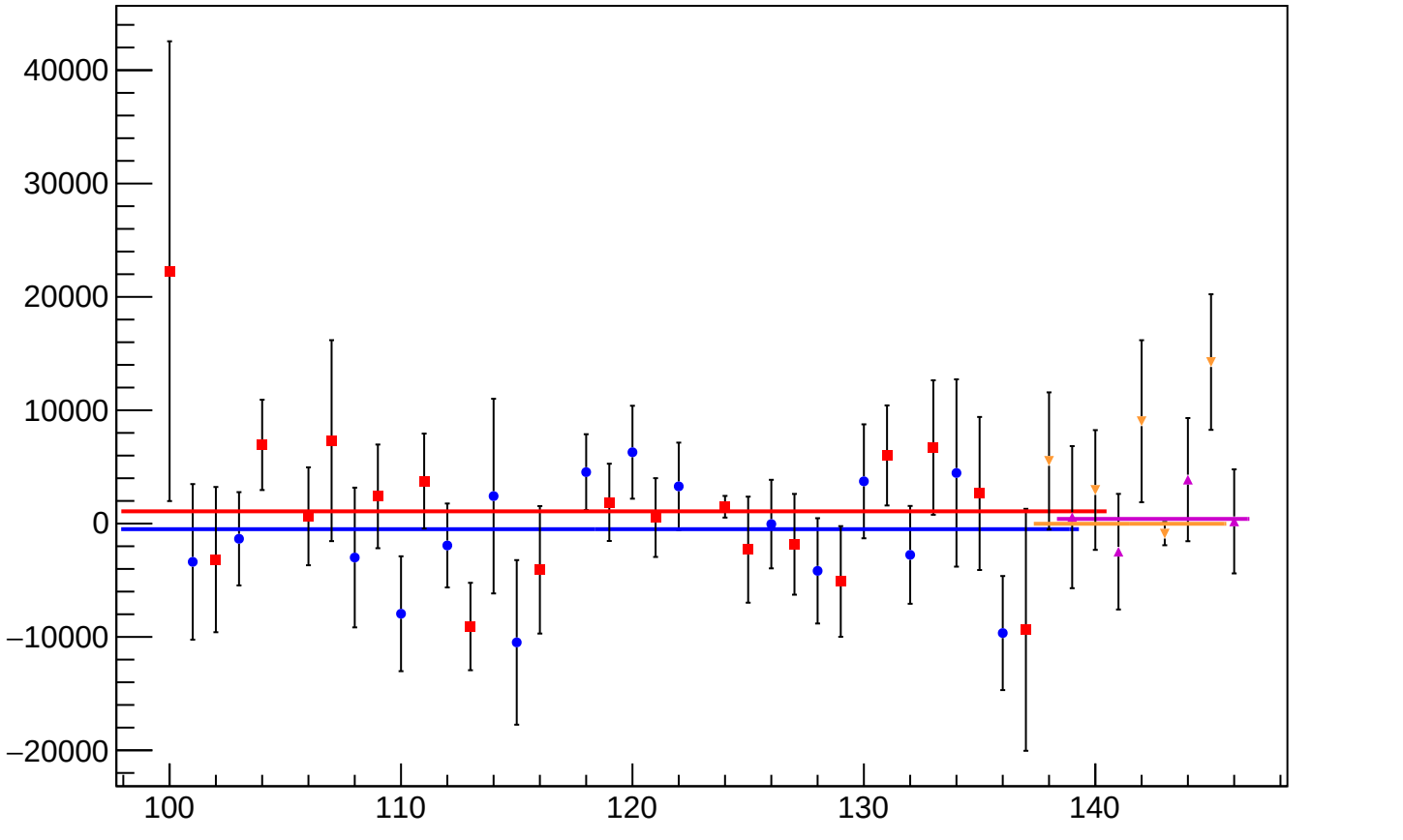
Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

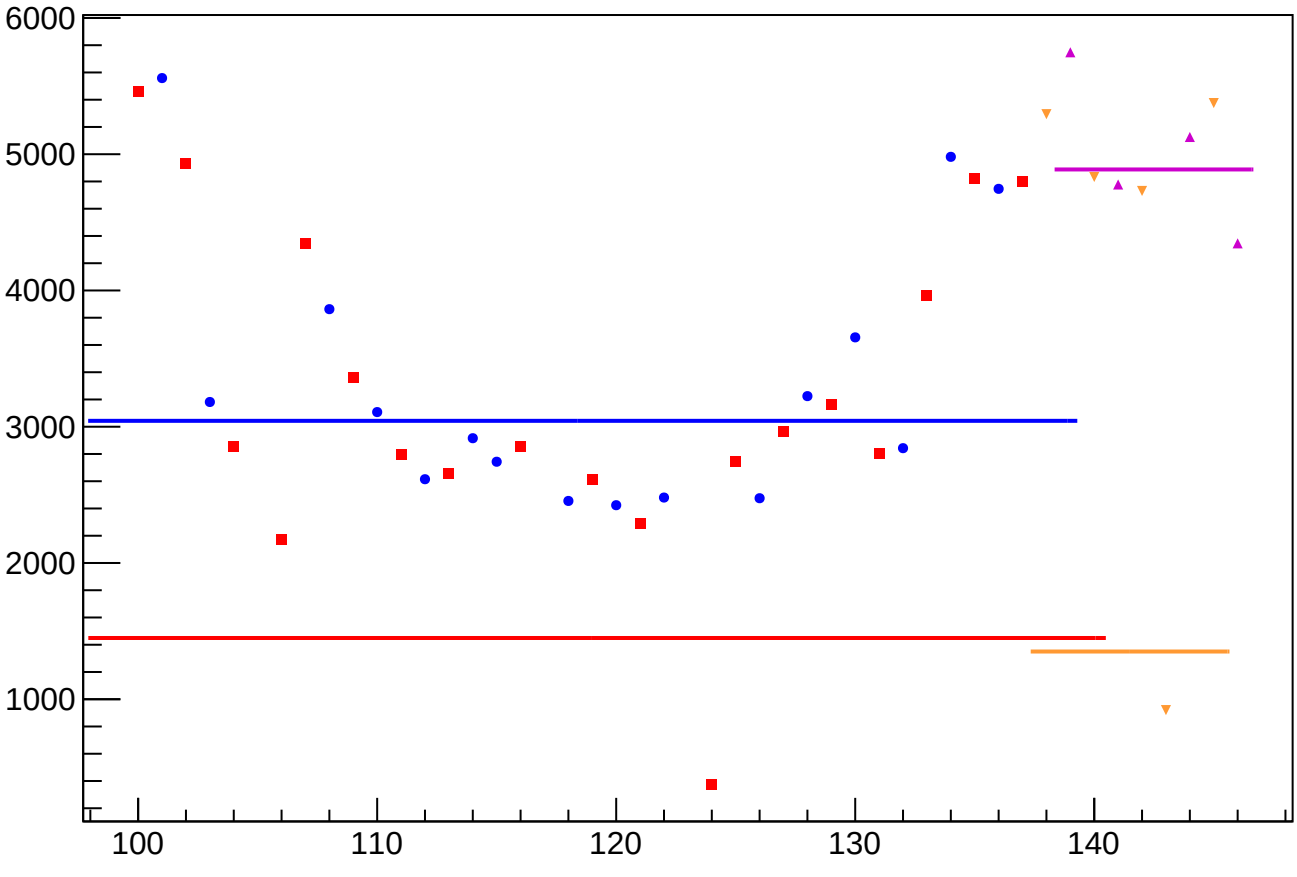
In: 2775.580+/-561.279 χ^2/NDF:17.9/19

Out: 2470.403+/-563.395 χ^2/NDF:25.9/23

All: 2623.566+/-397.630 χ^2/NDF: 44.0/43


cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
Right In: 1751.606+/-0.472 χ²/NDF: 670651.6/15
Left Out: 2084.849+/-0.777 χ²/NDF:181878.7/4
Right Out: 1747.786+/-0.462 χ²/NDF: 297917.6/18
Left In: 1946.944+/-0.733 χ²/NDF:5267.4/3
Left: 2011.878+/-0.533 χ²/NDF: 203825.1/8
Right: 1749.656+/-0.330 χ²/NDF: 968602.6/34
In: 1808.916+/-0.397 χ²/NDF:726137.7/19
Out: 1835.960+/-0.397 χ²/NDF:618841.0/23
All: 1822.424+/-0.281 χ²/NDF: 1347298.0/43


asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
Right In: -492.916+/-1173.239 χ²/NDF: 16.0/15
Left Out: -16.282+/-967.892 χ²/NDF:9.2/4
Right Out: 1080.924+/-731.458 χ²/NDF: 18.5/18
Left In: 411.287+/-2623.728 χ²/NDF:0.7/3
Left: 34.934+/-908.074 χ²/NDF: 9.9/8
Right: 640.409+/-620.707 χ²/NDF: 35.7/34
In: -342.243+/-1071.035 χ²/NDF:16.8/19
Out: 682.079+/-583.560 χ²/NDF:28.5/23
All: 447.600+/-512.433 χ²/NDF: 46.0/43



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1350.246+/-0.684 χ^2/NDF:3426699.9/4

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4888.102+/-1.855 χ^2/NDF:70364.6/3

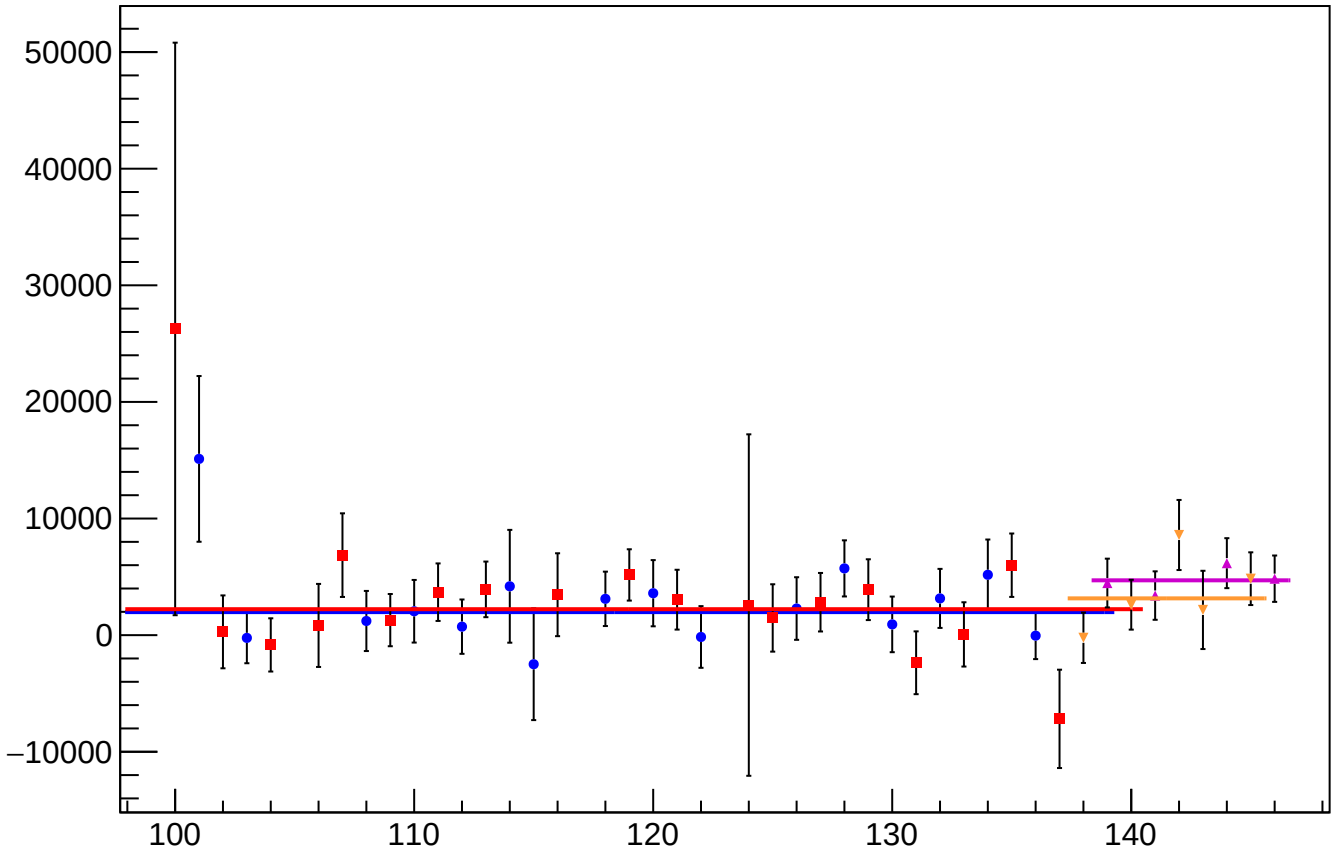
Left: 1774.031+/-0.642 χ^2/NDF: 6697884.0/8

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3350.686+/-0.757 χ^2/NDF:1800049.8/19

Out: 1413.430+/-0.413 χ^2/NDF:10265807.0/23

All: 1856.890+/-0.362 χ^2/NDF: 17111317.7/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 3154.375+/-1098.490 χ^2/NDF:6.4/4

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 4701.481+/-1036.237 χ^2/NDF:0.9/3

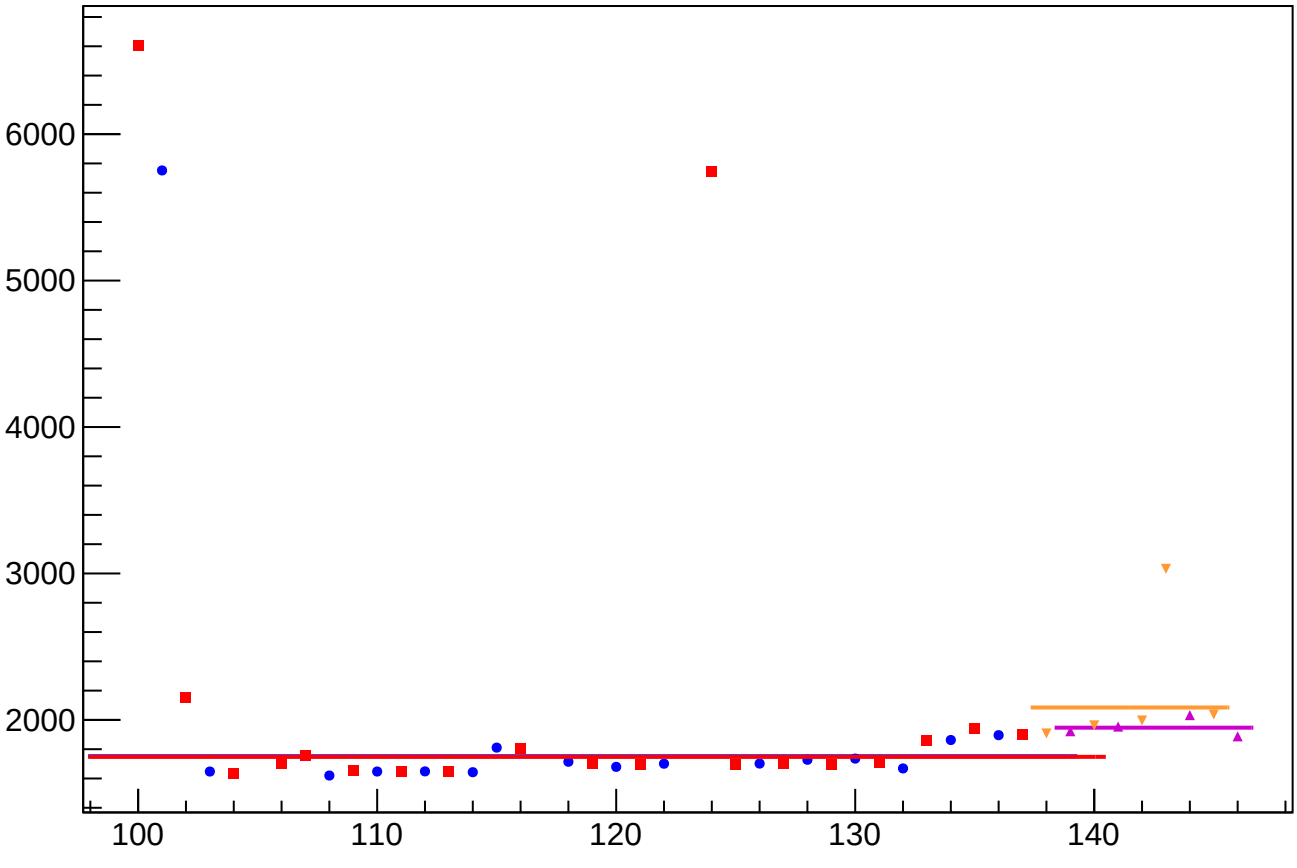
Left: 3973.007+/-753.778 χ^2/NDF: 8.4/8

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2775.580+/-561.279 χ^2/NDF:17.9/19

Out: 2470.403+/-563.395 χ^2/NDF:25.9/23

All: 2623.566+/-397.630 χ^2/NDF: 44.0/43



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2084.849+/-0.777 χ^2/NDF:181878.7/4

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1946.944+/-0.733 χ^2/NDF:5267.4/3

Left: 2011.878+/-0.533 χ^2/NDF: 203825.1/8

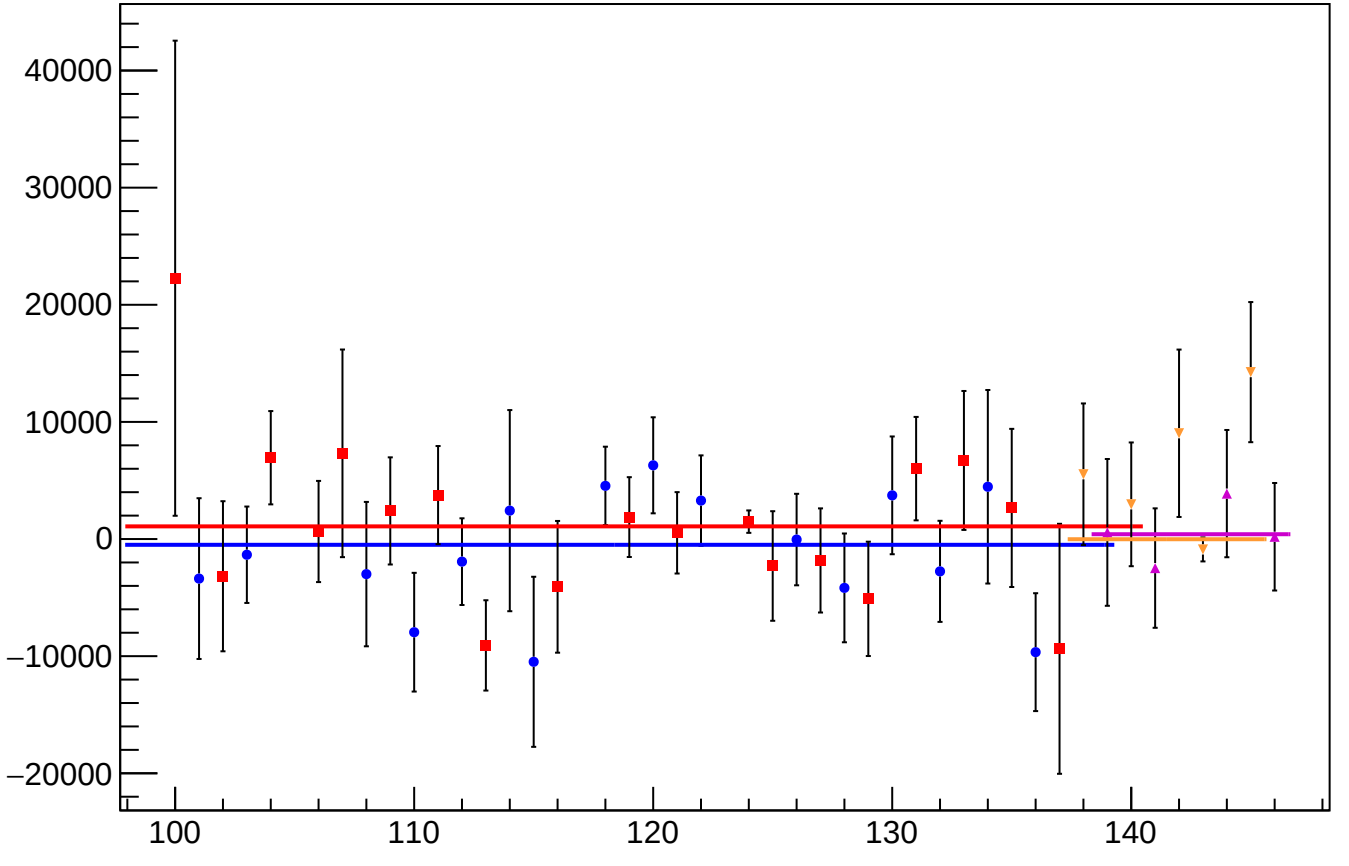
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1808.916+/-0.397 χ^2/NDF:726137.7/19

Out: 1835.960+/-0.397 χ^2/NDF:618841.0/23

All: 1822.424+/-0.281 χ^2/NDF: 1347298.0/43

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: -16.282+/-967.892 χ^2/NDF:9.2/4

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 411.287+/-2623.728 χ^2/NDF:0.7/3

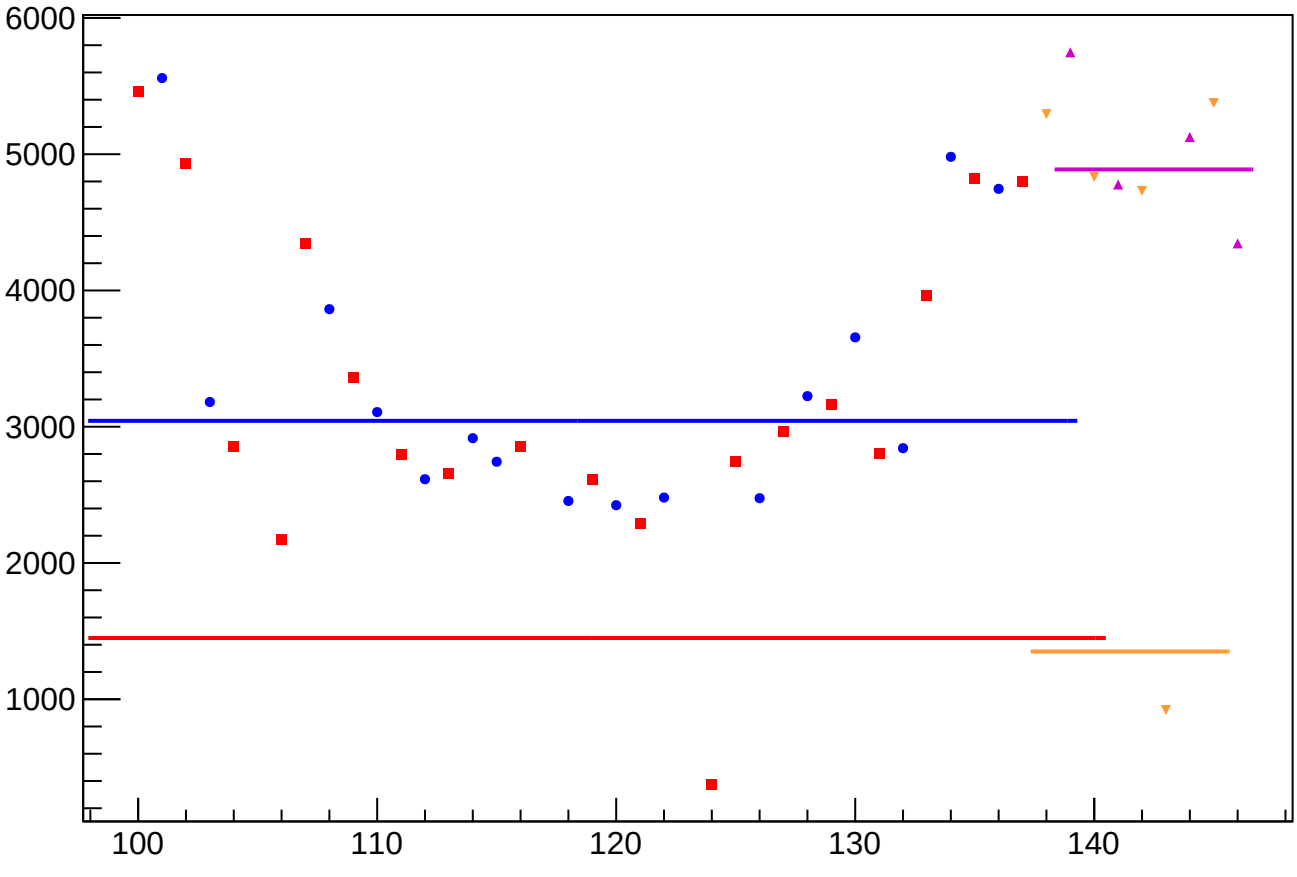
Left: 34.934+/-908.074 χ^2/NDF: 9.9/8

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -342.243+/-1071.035 χ^2/NDF:16.8/19

Out: 682.079+/-583.560 χ^2/NDF:28.5/23

All: 447.600+/-512.433 χ^2/NDF: 46.0/43



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1350.246+/-0.684 χ^2/NDF:3426699.9/4

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4888.102+/-1.855 χ^2/NDF:70364.6/3

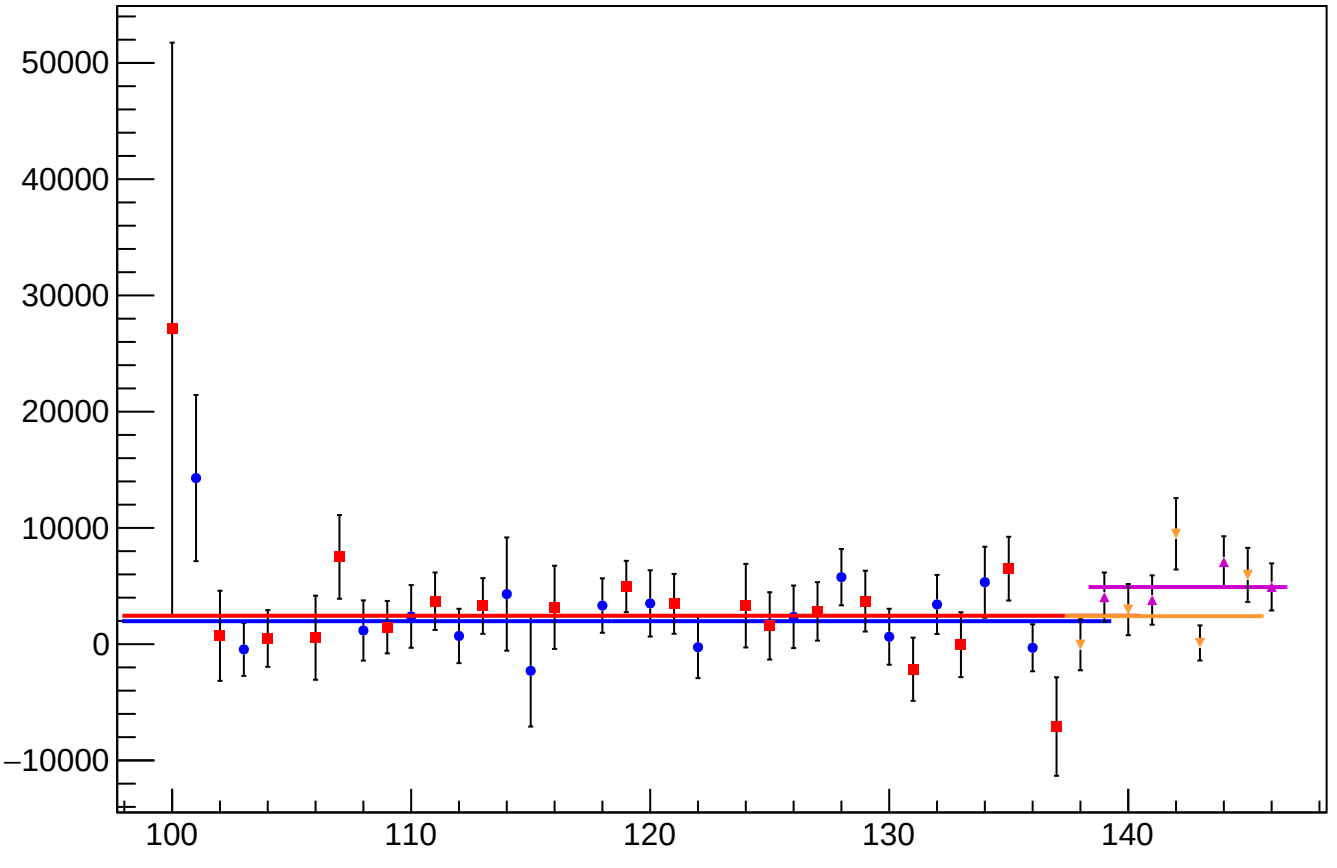
Left: 1774.031+/-0.642 χ^2/NDF: 6697884.0/8

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3350.686+/-0.757 χ^2/NDF:1800049.8/19

Out: 1413.430+/-0.413 χ^2/NDF:10265807.0/23

All: 1856.890+/-0.362 χ^2/NDF: 17111317.7/4



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 2409.292+/-935.529 χ^2/NDF:11.3/4

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 4912.040+/-1058.784 χ^2/NDF:1.4/3

Left: 3506.577+/-701.065 χ^2/NDF: 15.8/8

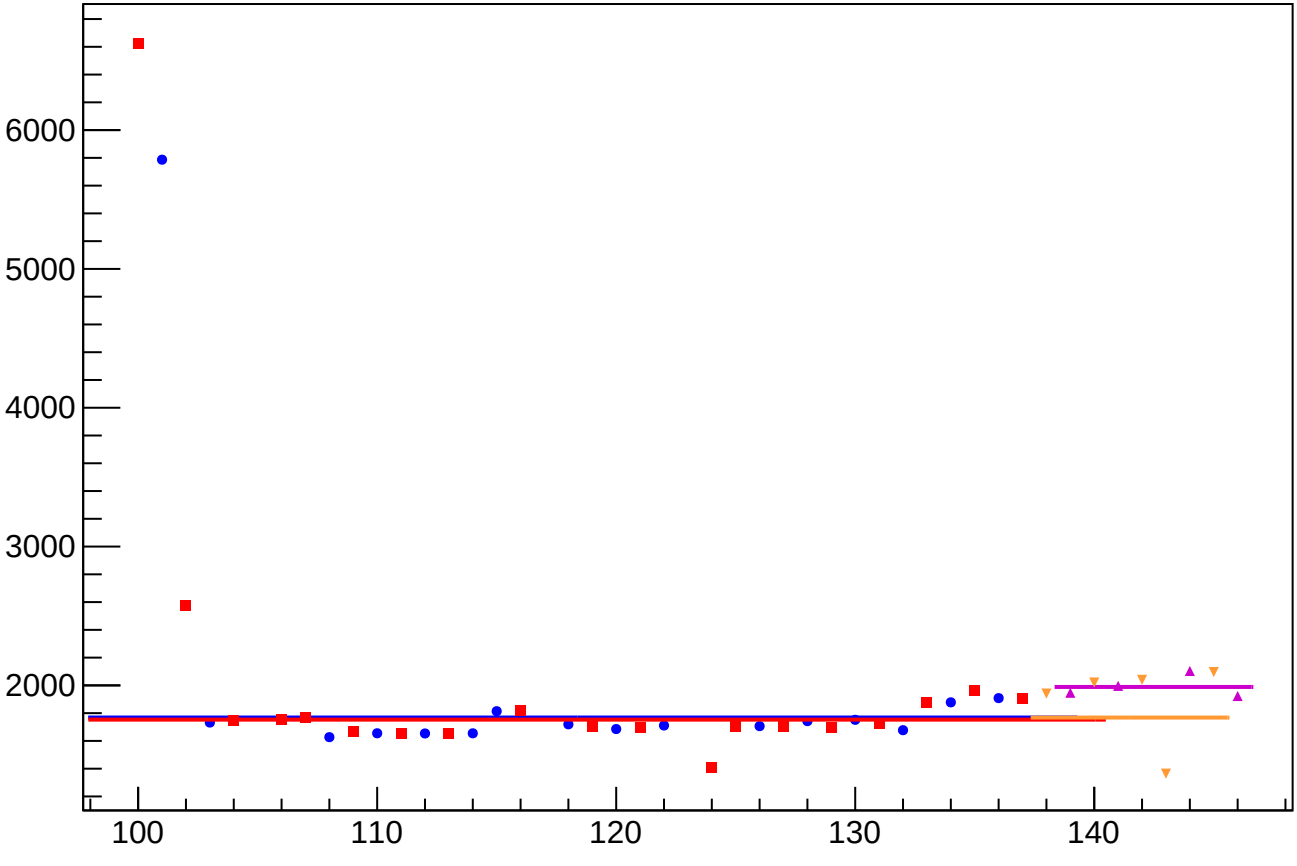
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2822.694+/-568.624 χ^2/NDF:19.3/19

Out: 2432.653+/-538.034 χ^2/NDF:28.8/23

All: 2616.900+/-390.814 χ^2/NDF: 48.3/43

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1768.232+/-0.662 χ^2/NDF:237179.8/4

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1988.717+/-0.749 χ^2/NDF:8276.1/3

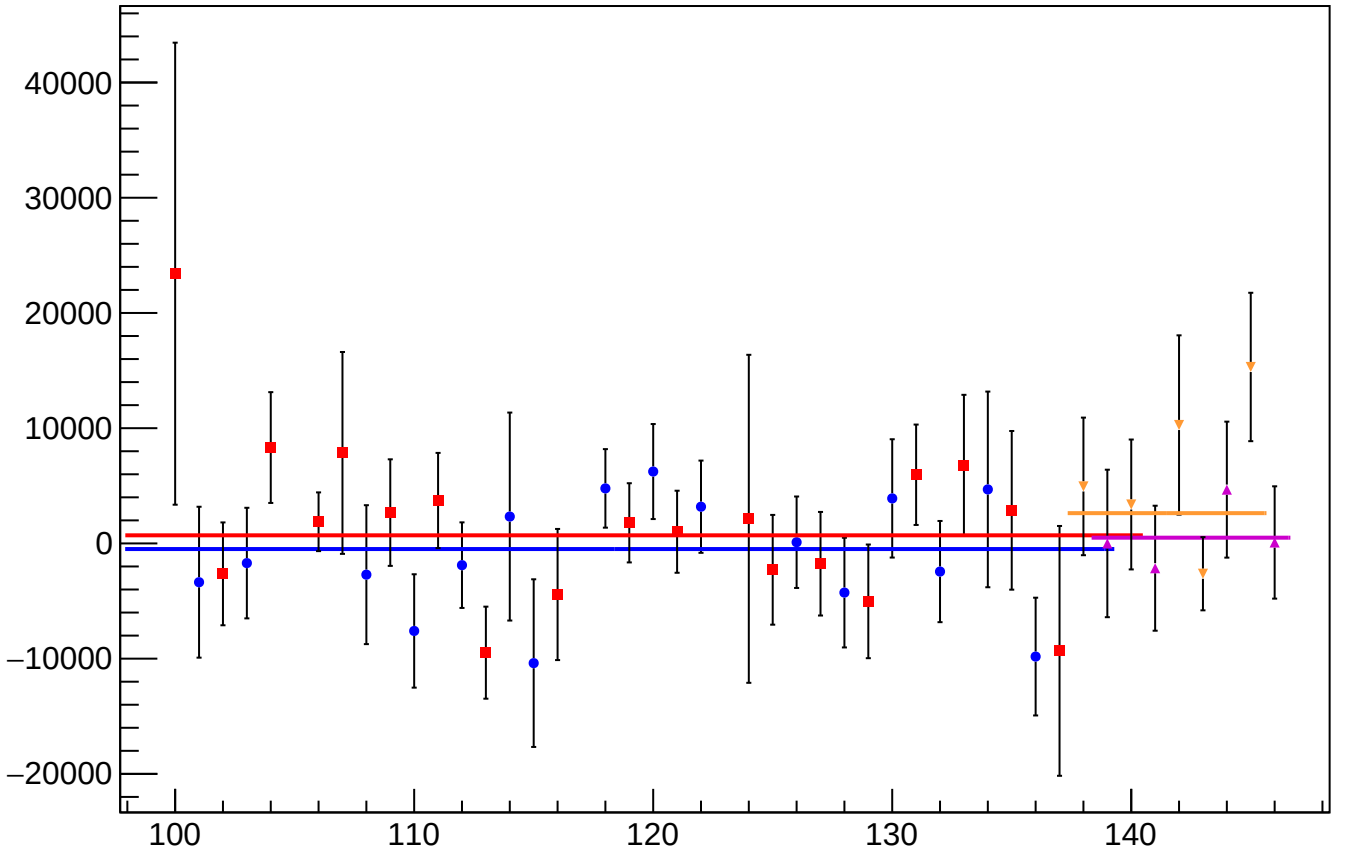
Left: 1864.900+/-0.496 χ^2/NDF: 294161.1/8

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1832.002+/-0.402 χ^2/NDF:737220.0/19

Out: 1758.277+/-0.380 χ^2/NDF:456382.0/23

All: 1793.038+/-0.276 χ^2/NDF: 1211371.2/43



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 2627.047+/-2240.148 χ^2/NDF:7.8/4

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 497.706+/-2781.829 χ^2/NDF:0.8/3

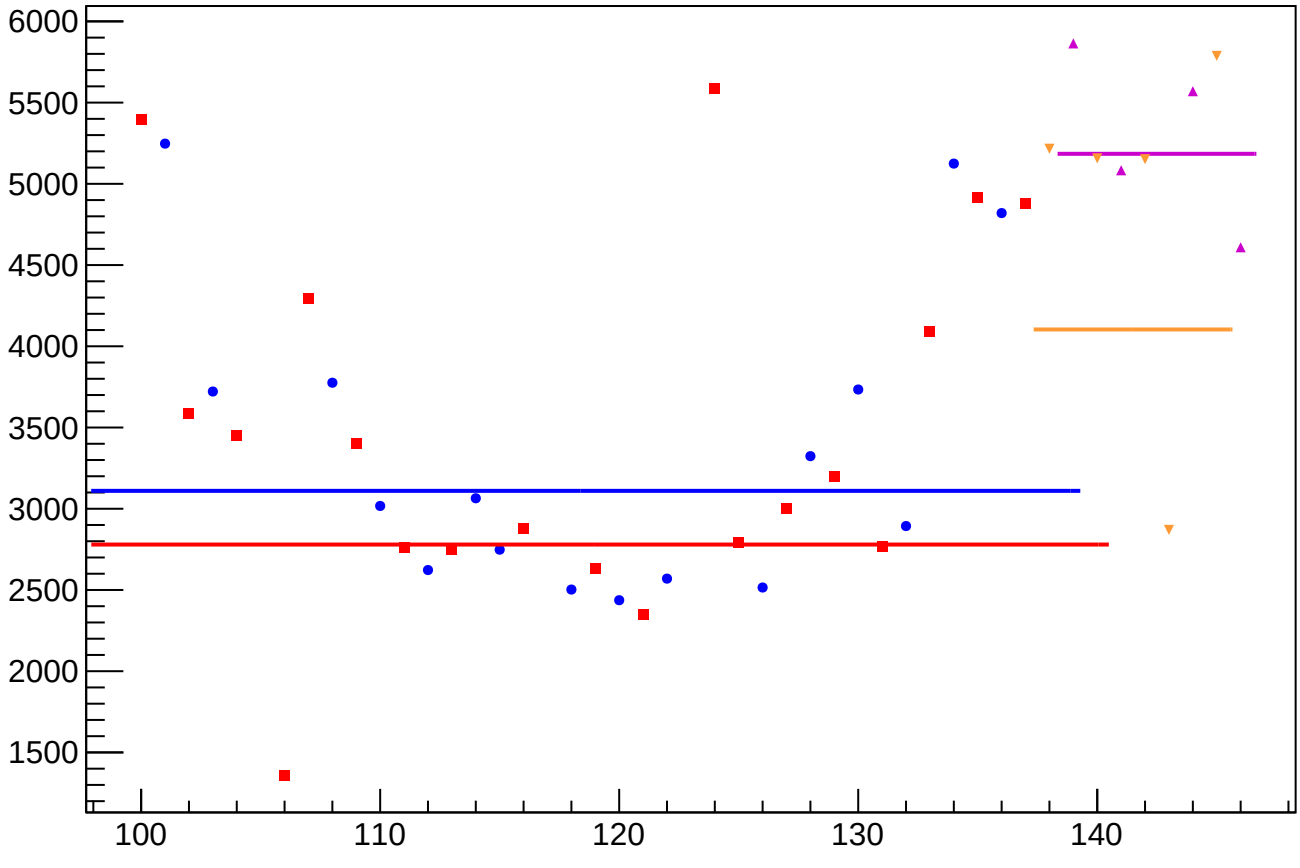
Left: 1789.410+/-1744.760 χ^2/NDF: 8.9/8

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -333.768+/-1100.697 χ^2/NDF:16.6/19

Out: 1060.394+/-965.123 χ^2/NDF:27.2/23

All: 454.416+/-725.671 χ^2/NDF: 44.7/43



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4103.528+/-1.584 χ^2/NDF:614082.6/4

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5184.803+/-1.967 χ^2/NDF:59642.5/3

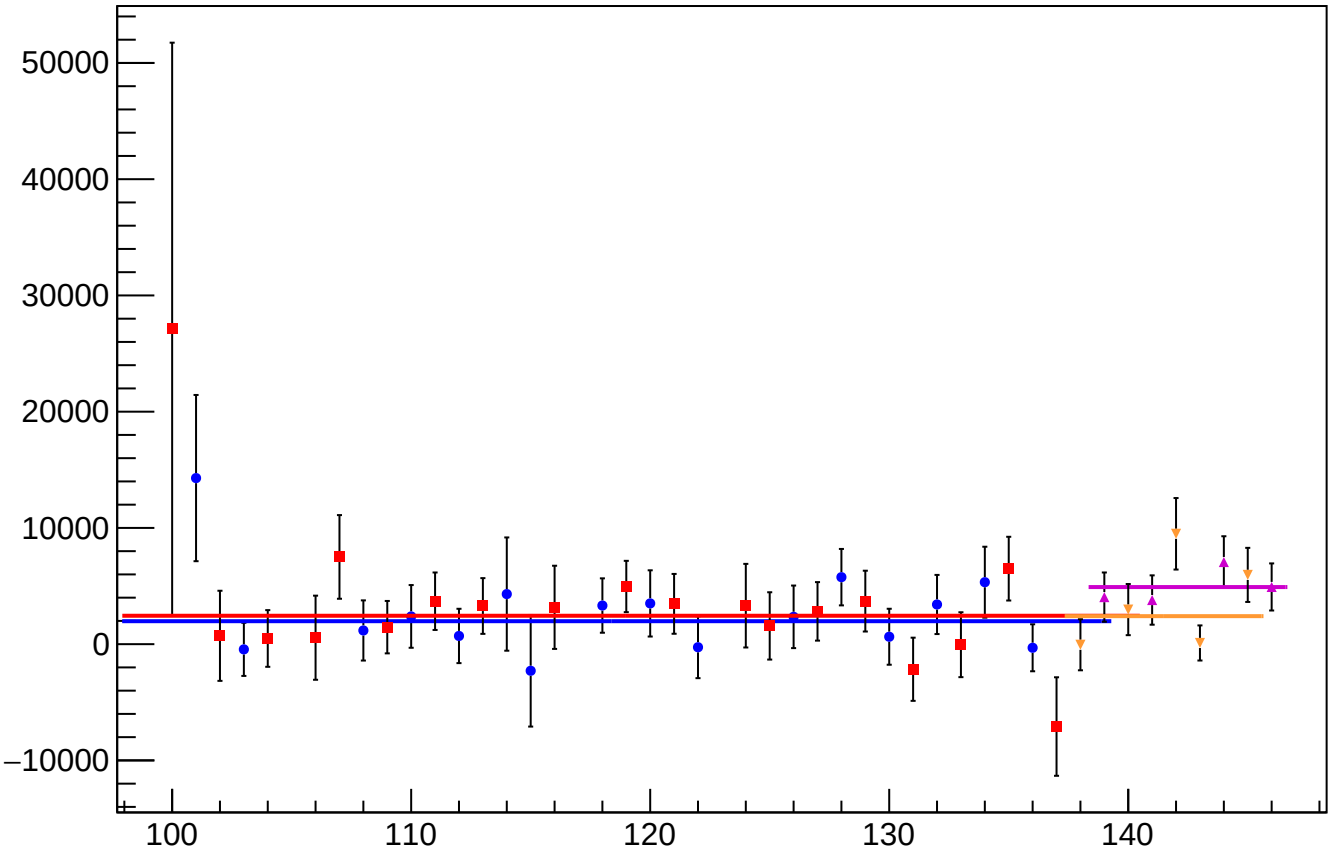
Left: 4528.879+/-1.234 χ^2/NDF: 857023.8/8

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3434.938+/-0.778 χ^2/NDF:1881164.2/19

Out: 3025.365+/-0.682 χ^2/NDF:2531097.9/23

All: 3203.388+/-0.513 χ^2/NDF: 4568819.4/43



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 2409.301+/-935.530 χ^2/NDF:11.3/4

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 4912.042+/-1058.785 χ^2/NDF:1.4/3

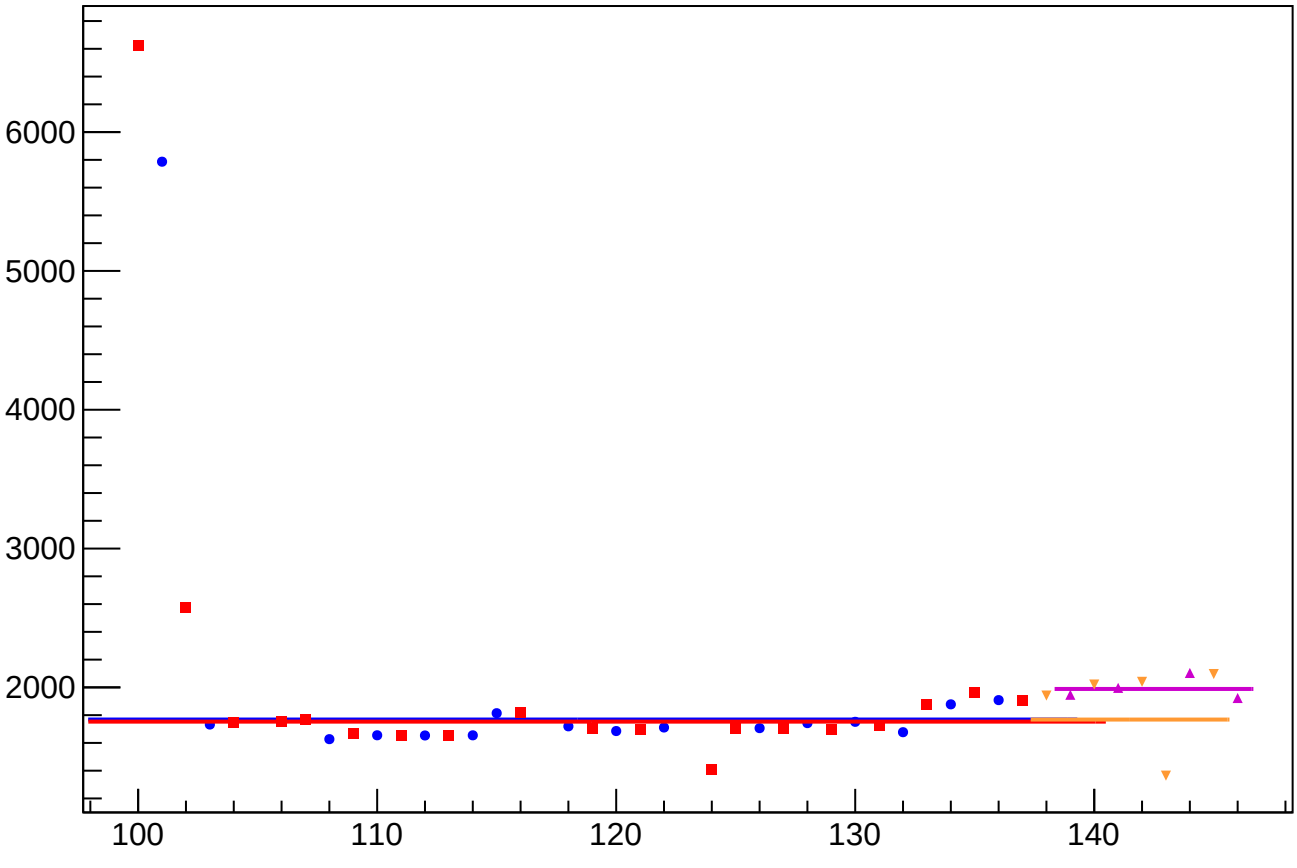
Left: 3506.583+/-701.066 χ^2/NDF: 15.8/8

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2822.694+/-568.624 χ^2/NDF:19.3/19

Out: 2432.657+/-538.034 χ^2/NDF:28.8/23

All: 2616.902+/-390.814 χ^2/NDF: 48.3/43



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1768.233+/-0.662 χ^2/NDF:237180.8/4

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1988.718+/-0.749 χ^2/NDF:8276.2/3

Left: 1864.901+/-0.496 χ^2/NDF: 294162.6/8

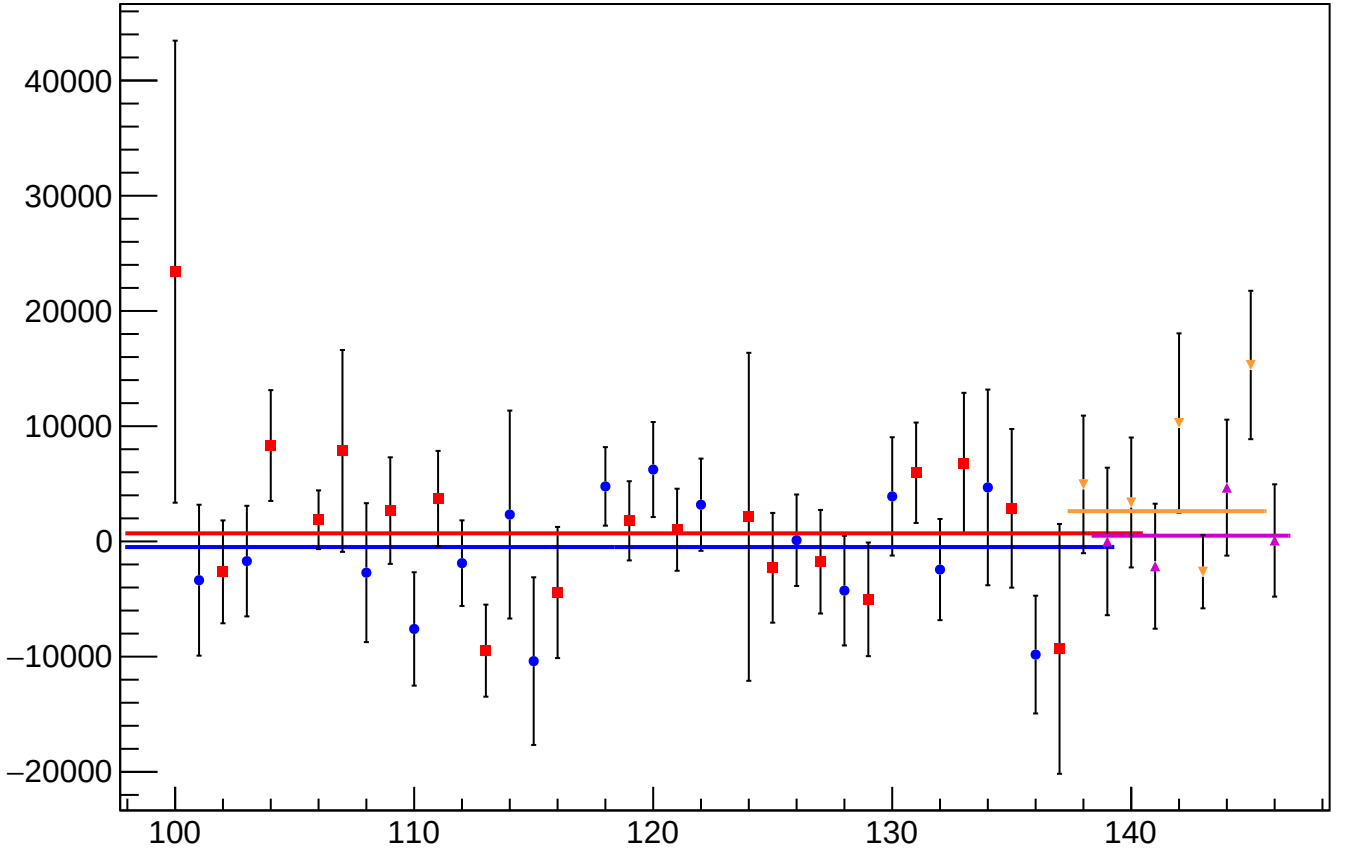
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1832.002+/-0.402 χ^2/NDF:737220.9/19

Out: 1758.277+/-0.380 χ^2/NDF:456383.0/23

All: 1793.038+/-0.276 χ^2/NDF: 1211373.2/43

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: 2627.046+/-2240.151 χ^2/NDF:7.8/4

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 497.706+/-2781.834 χ^2/NDF:0.8/3

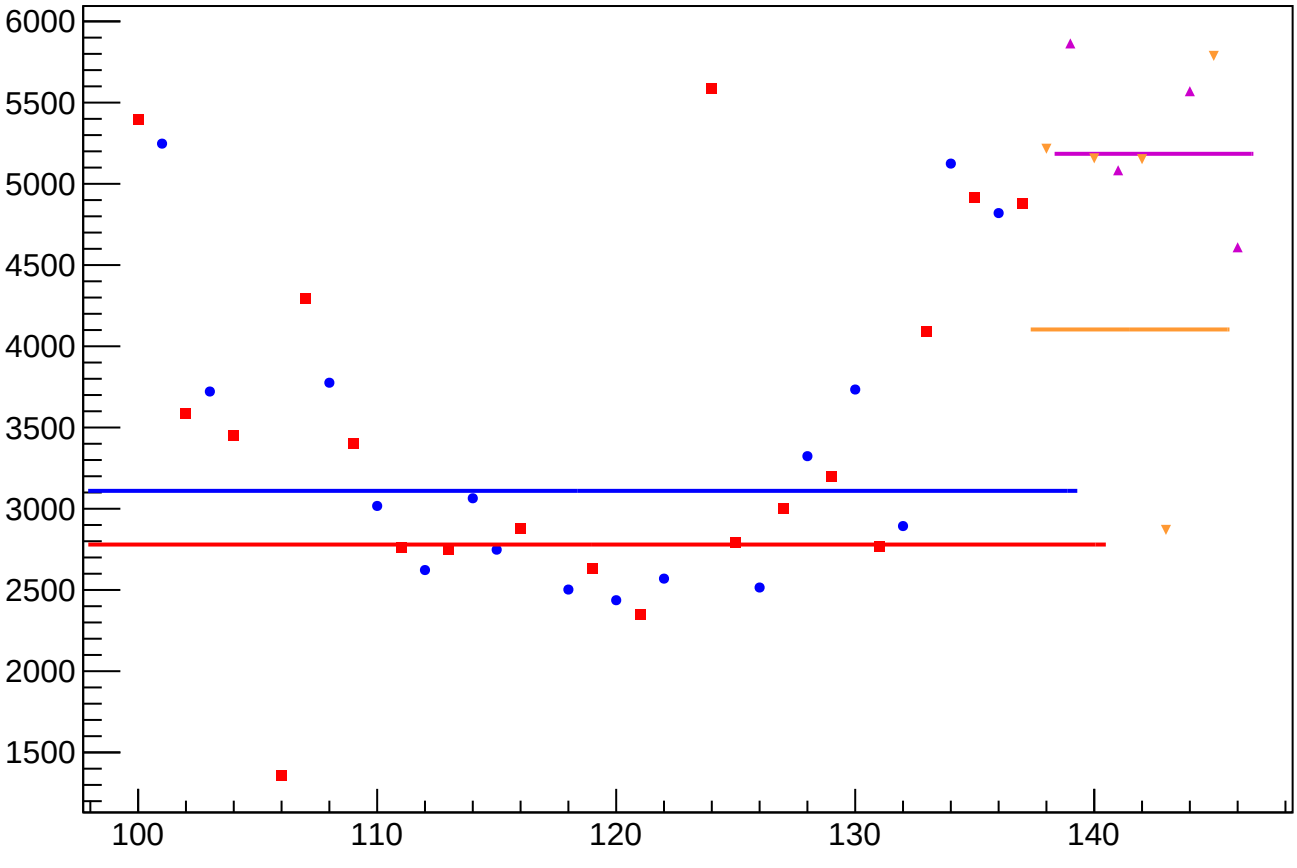
Left: 1789.410+/-1744.763 χ^2/NDF: 8.9/8

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -333.764+/-1100.694 χ^2/NDF:16.6/19

Out: 1060.392+/-965.120 χ^2/NDF:27.2/23

All: 454.417+/-725.669 χ^2/NDF: 44.7/43



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4103.532+/-1.584 χ^2/NDF:614087.6/4

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5184.812+/-1.967 χ^2/NDF:59643.6/3

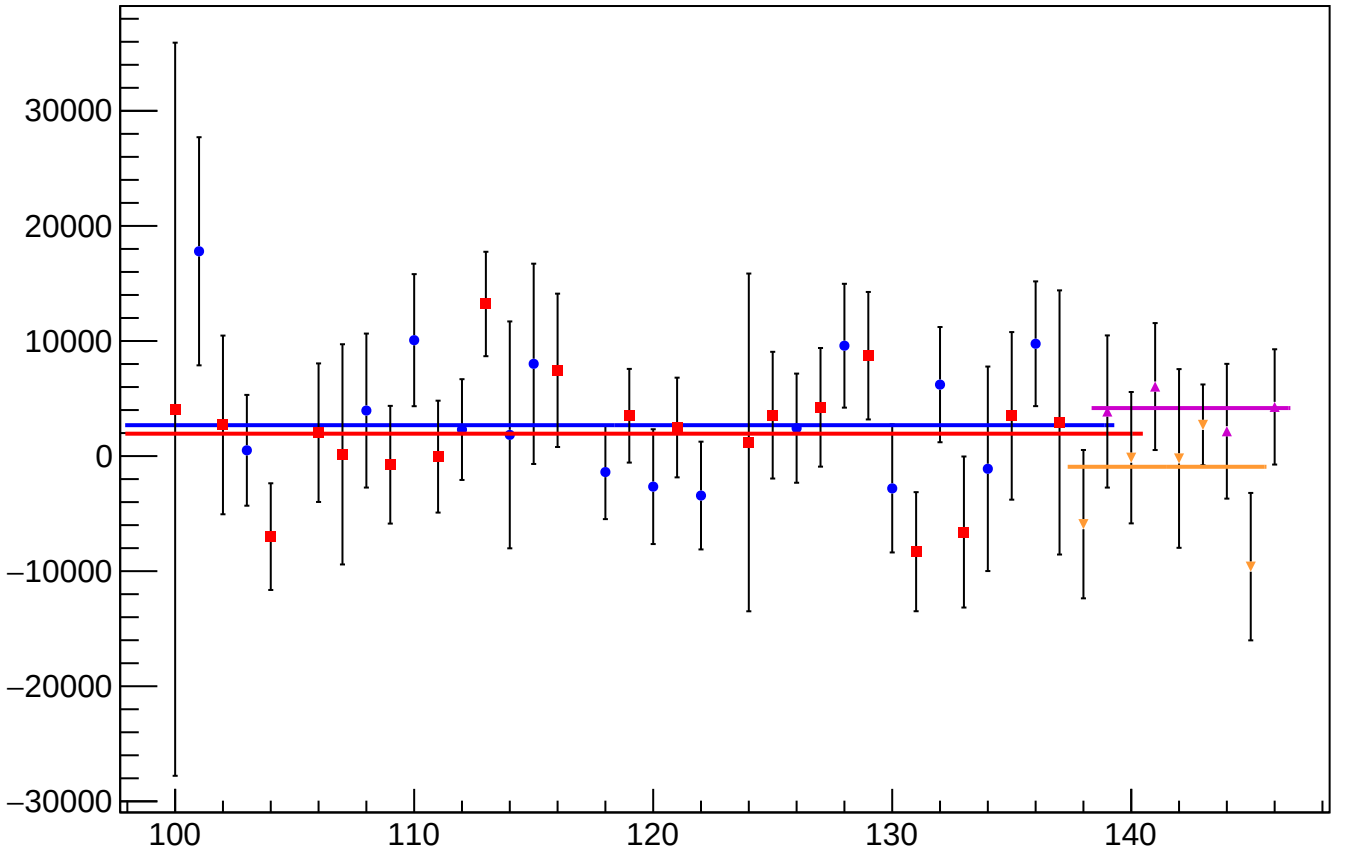
Left: 4528.884+/-1.234 χ^2/NDF: 857031.0/8

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3434.928+/-0.778 χ^2/NDF:1881191.6/19

Out: 3025.353+/-0.682 χ^2/NDF:2531136.1/23

All: 3203.376+/-0.513 χ^2/NDF: 4568886.7/43



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: -929.944+/-2378.225 χ^2/NDF:3.5/4

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 4171.589+/-2831.190 χ^2/NDF:0.2/3

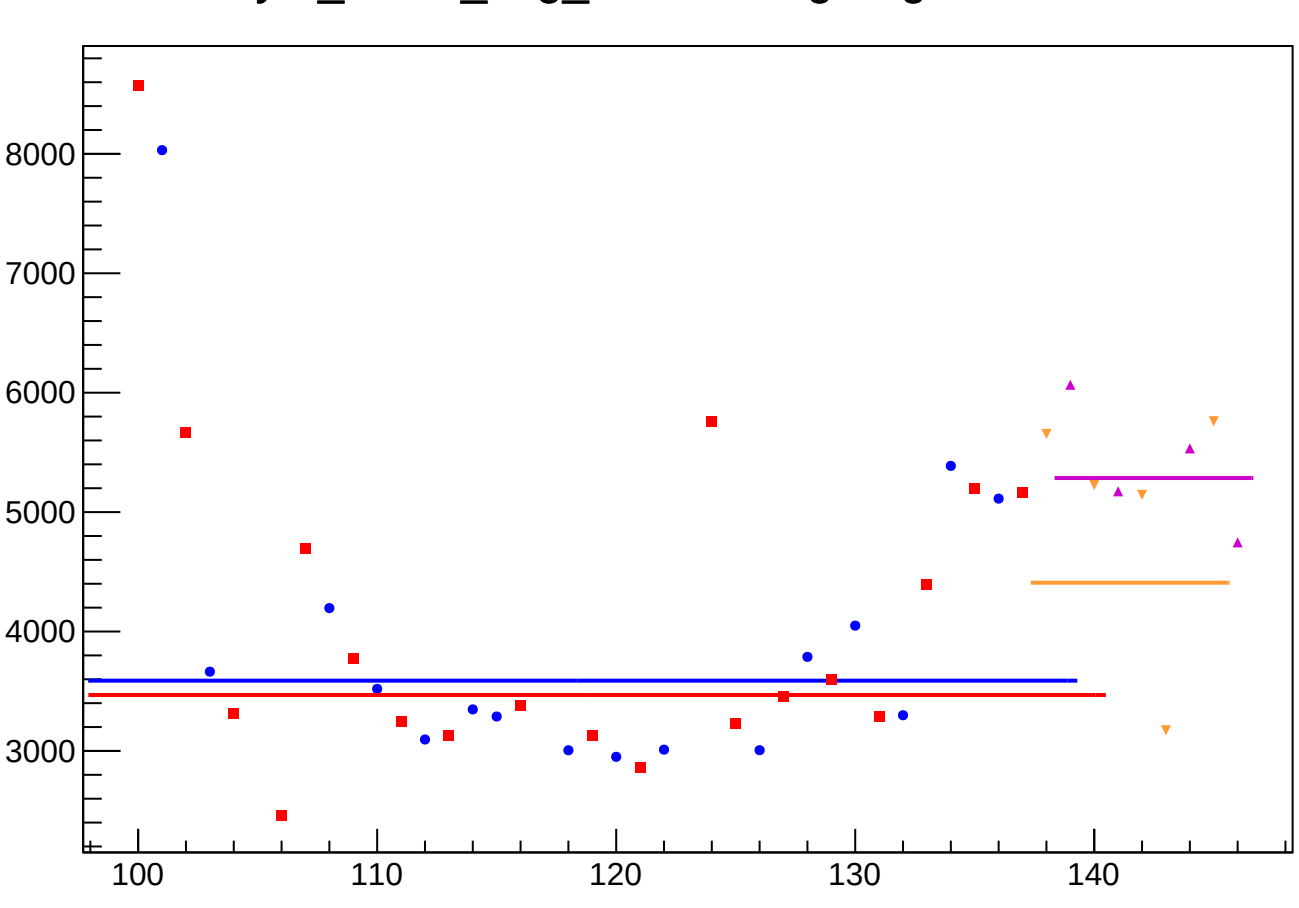
Left: 1180.567+/-1821.010 χ^2/NDF: 5.7/8

Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2970.692+/-1240.417 χ^2/NDF:13.9/19

Out: 1258.251+/-1162.792 χ^2/NDF:23.3/23

All: 2059.216+/-848.334 χ^2/NDF: 38.3/43



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4408.939+/-1.682 χ^2/NDF:470633.6/4

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5285.340+/-2.002 χ^2/NDF:55426.5/3

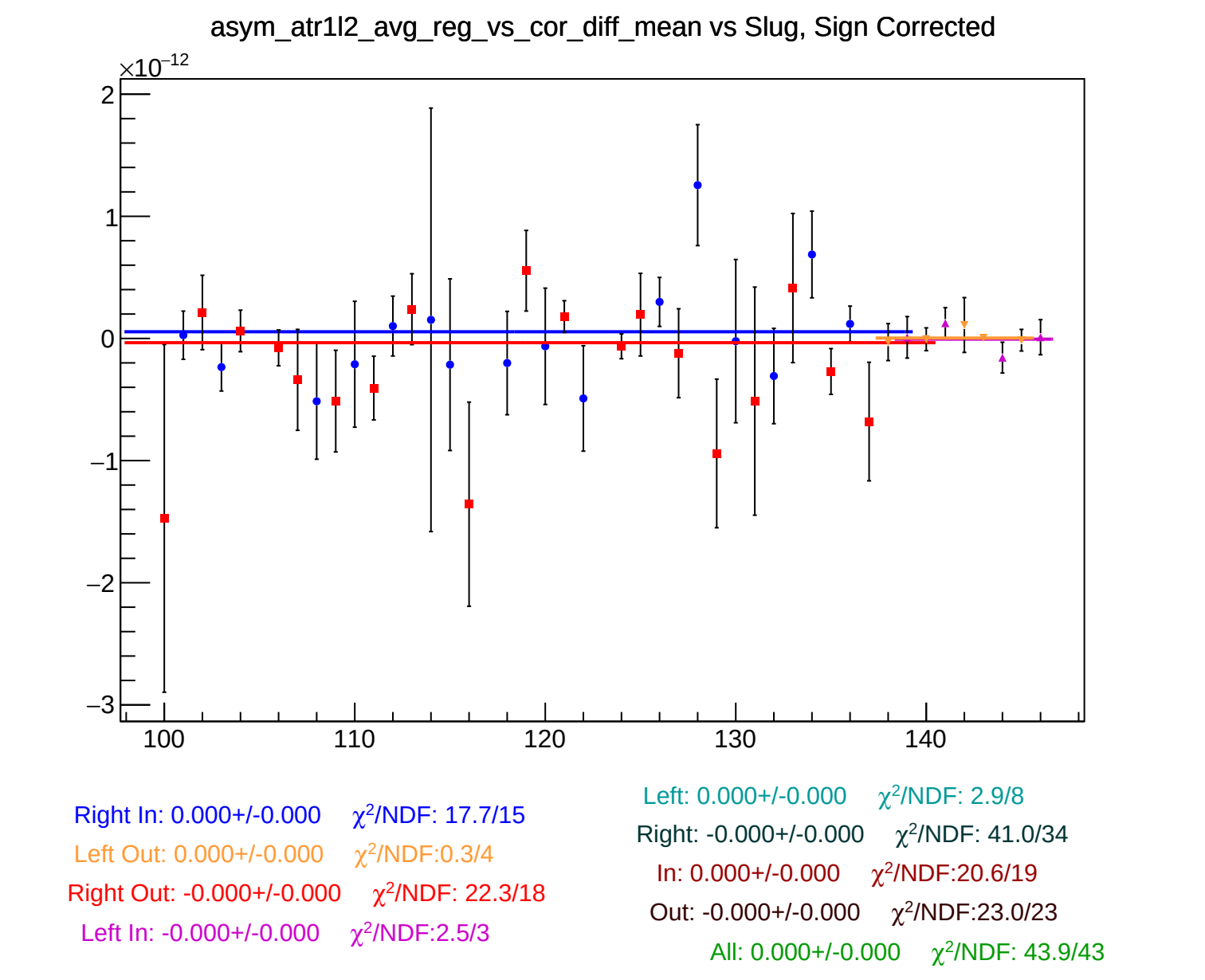
Left: 4771.507+/-1.288 χ^2/NDF: 638421.4/8

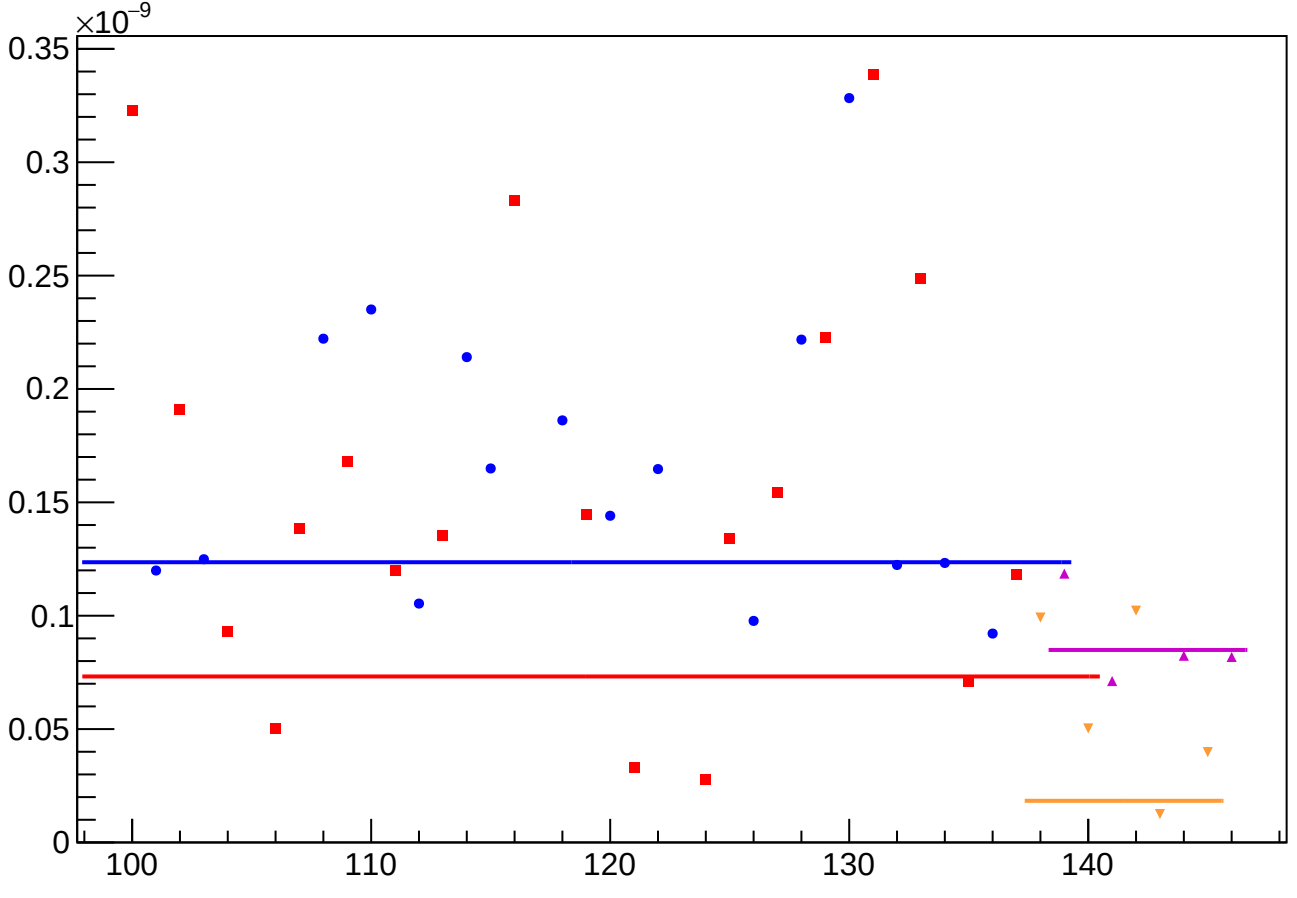
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 3914.158+/-0.877 χ^2/NDF:1481203.1/19

Out: 3688.218+/-0.813 χ^2/NDF:1376817.7/23

All: 3792.584+/-0.596 χ^2/NDF: 2893726.0/43


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
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:0.3/4
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: -0.000+/-0.000 χ²/NDF:2.5/3
Left: 0.000+/-0.000 χ²/NDF: 2.9/8
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:20.6/19
Out: -0.000+/-0.000 χ²/NDF:23.0/23
All: 0.000+/-0.000 χ²/NDF: 43.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1336736.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:103862.0/3

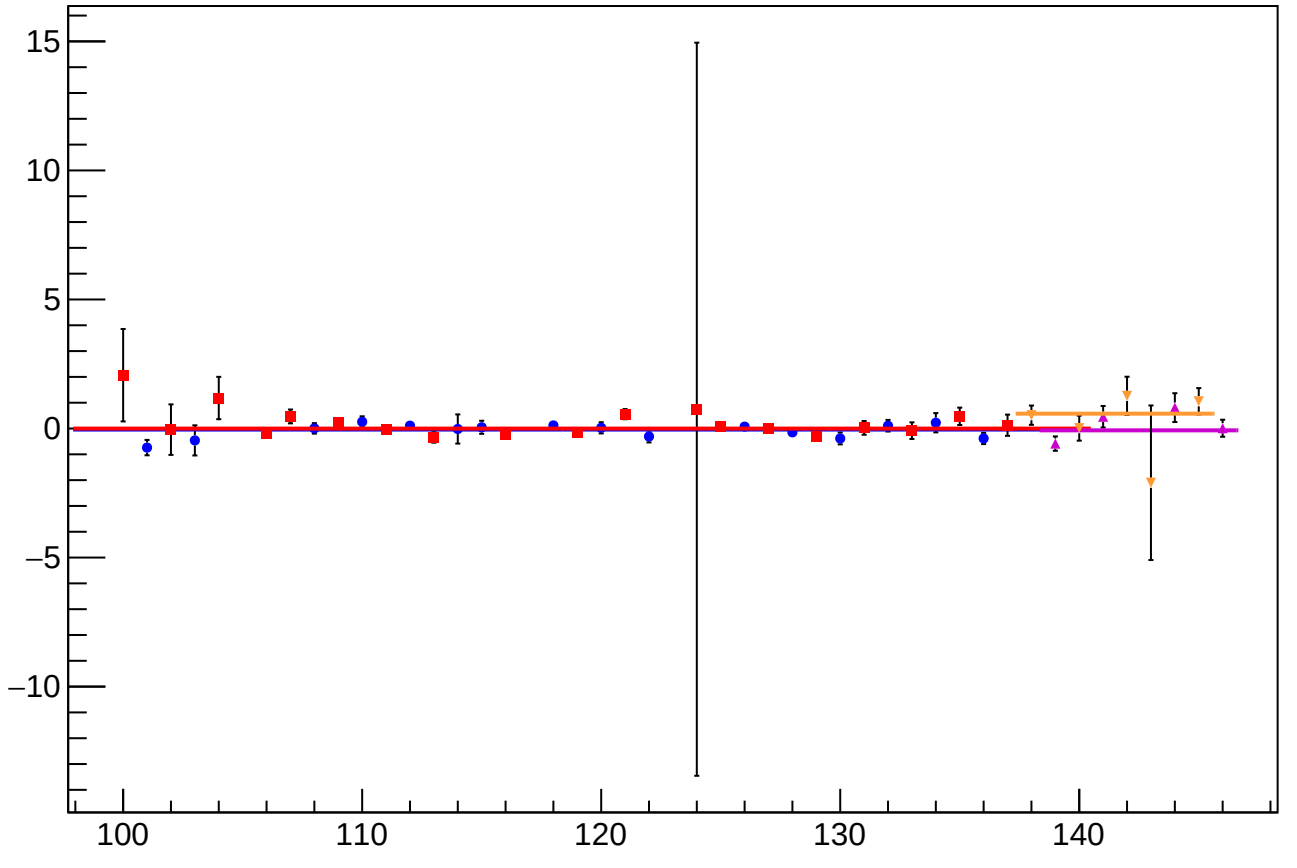
Left: 0.000+/-0.000 χ^2/NDF: 3134051.2/8

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1061233.1/19

Out: 0.000+/-0.000 χ^2/NDF:5364452.5/23

All: 0.000+/-0.000 χ^2/NDF: 10558124.1/43



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.575+/-0.241 χ^2/NDF:3.9/4

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.071+/-0.180 χ^2/NDF:7.5/3

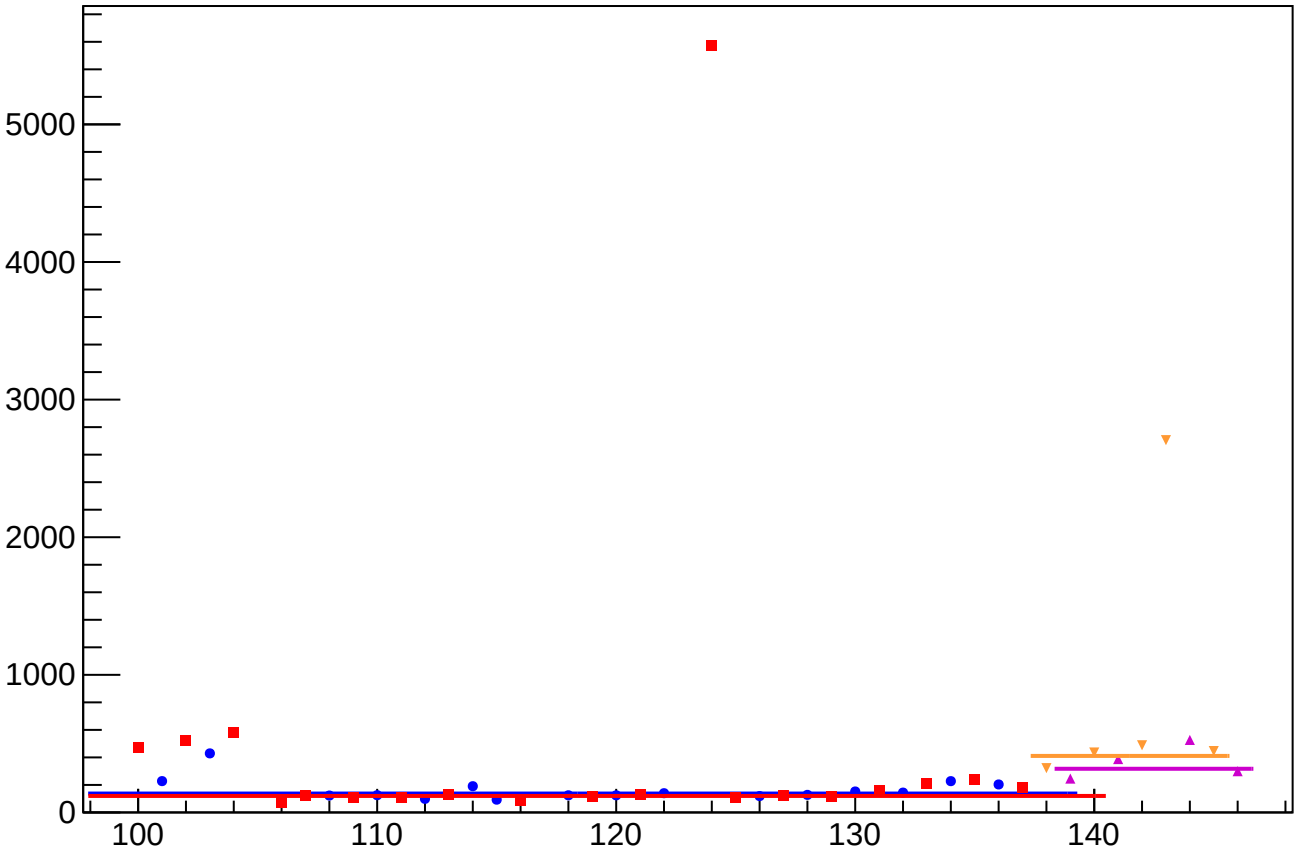
Left: 0.160+/-0.144 χ^2/NDF: 16.1/8

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.042+/-0.053 χ^2/NDF:25.5/19

Out: 0.022+/-0.050 χ^2/NDF:38.1/23

All: -0.008+/-0.036 χ^2/NDF: 64.4/43



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 410.833+/-0.170 χ^2/NDF:1323994.1/4

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 317.414+/-0.127 χ^2/NDF:475749.4/3

Left: 350.751+/-0.102 χ^2/NDF: 1992827.6/8

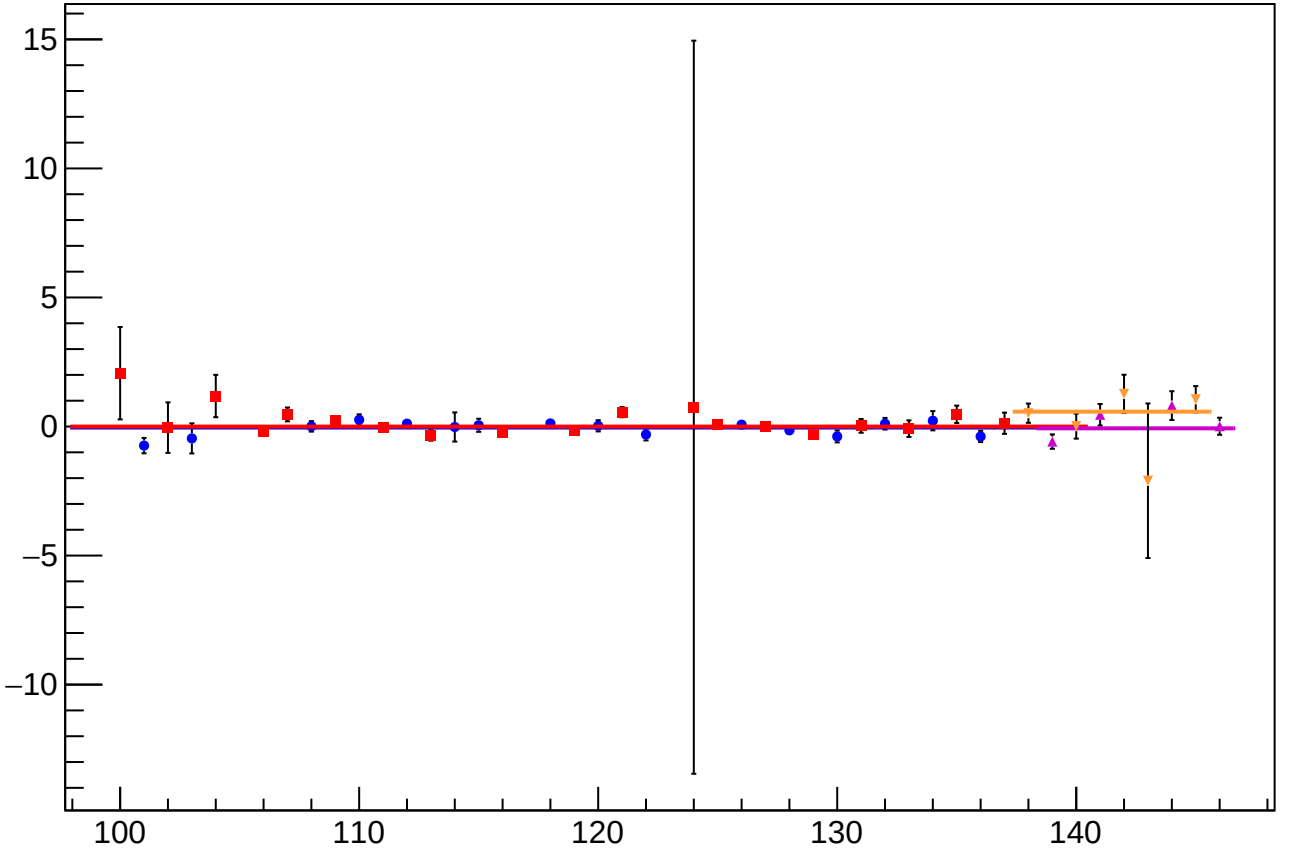
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 153.256+/-0.038 χ^2/NDF:3576180.3/19

Out: 132.425+/-0.035 χ^2/NDF:6249263.9/23

All: 142.139+/-0.026 χ^2/NDF: 9988447.1/43

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: 0.575+/-0.241 χ^2/NDF:3.9/4

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.071+/-0.180 χ^2/NDF:7.5/3

Left: 0.160+/-0.144 χ^2/NDF: 16.1/8

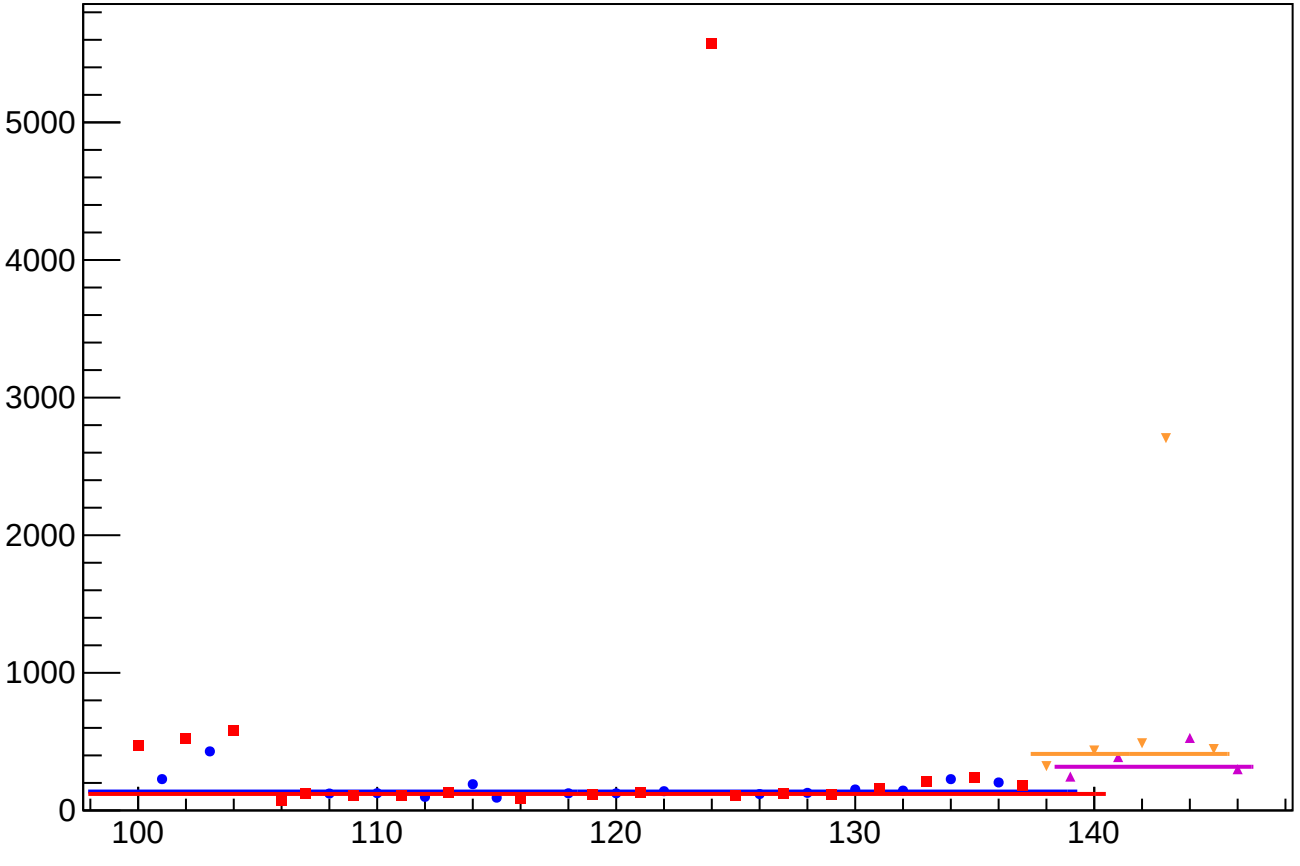
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.042+/-0.053 χ^2/NDF:25.5/19

Out: 0.022+/-0.050 χ^2/NDF:38.1/23

All: -0.008+/-0.036 χ^2/NDF: 64.4/43

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: 410.833+/-0.170 χ^2/NDF:1323994.1/4

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 317.414+/-0.127 χ^2/NDF:475749.4/3

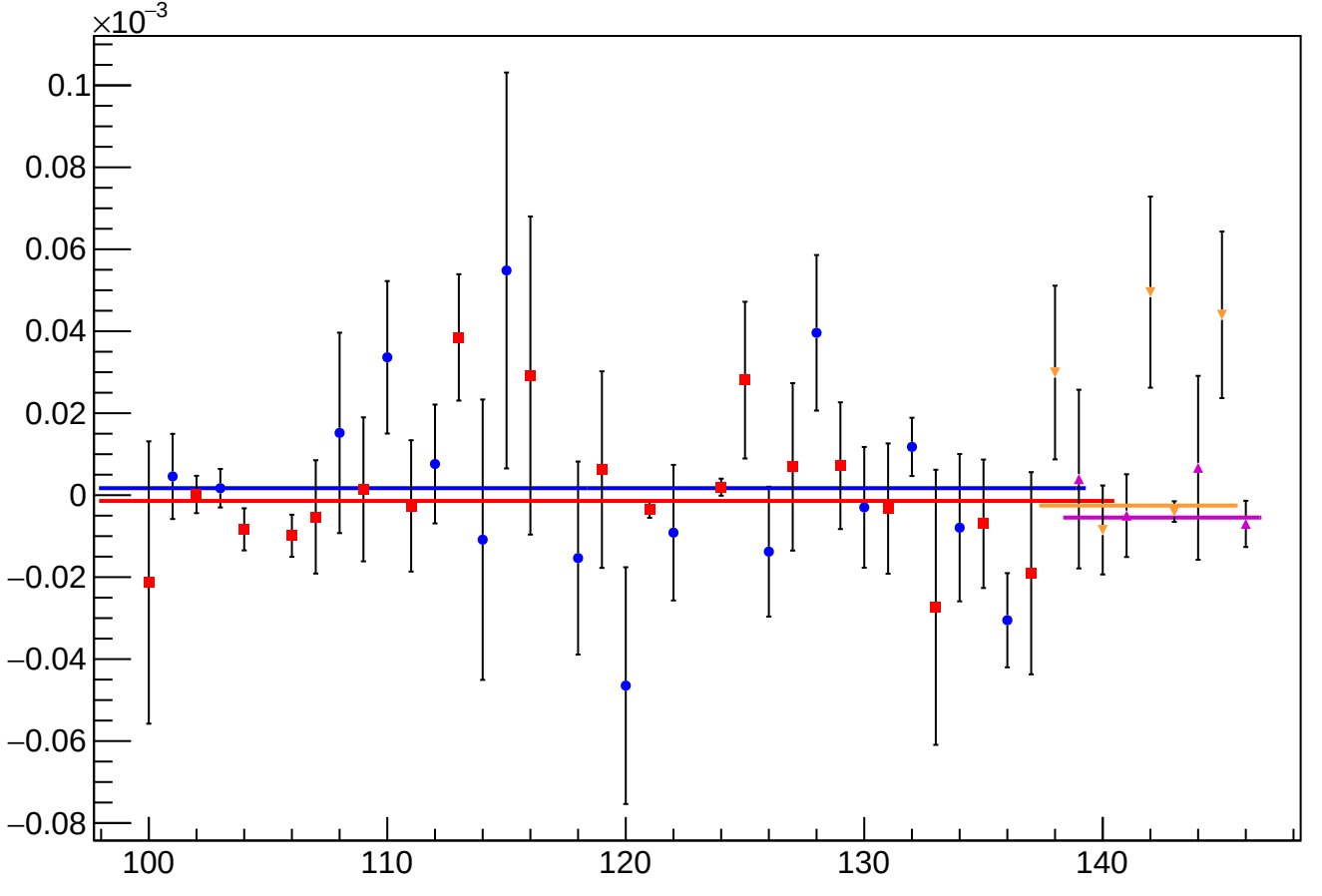
Left: 350.751+/-0.102 χ^2/NDF: 1992827.6/8

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 153.256+/-0.038 χ^2/NDF:3576180.3/19

Out: 132.425+/-0.035 χ^2/NDF:6249263.9/23

All: 142.139+/-0.026 χ^2/NDF: 9988447.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

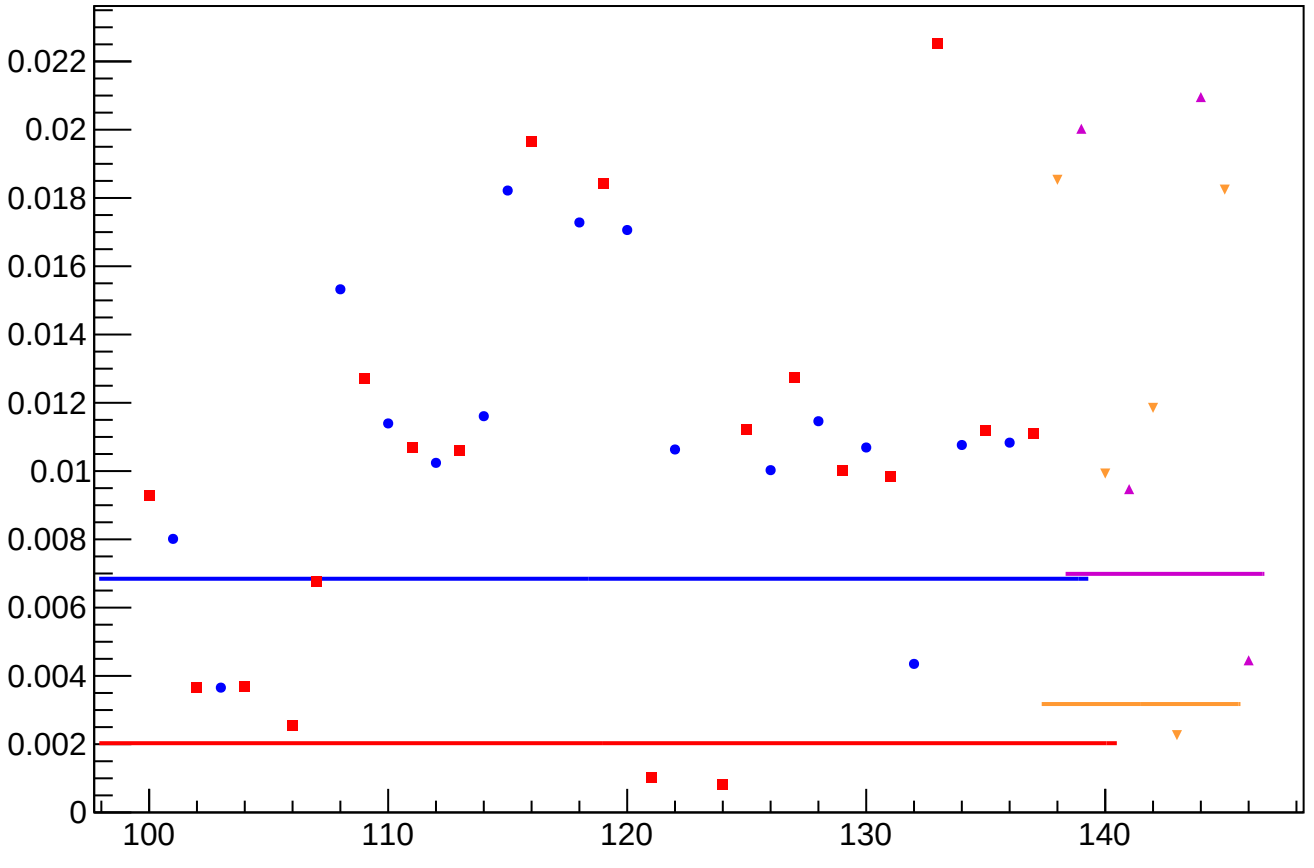
Left: -0.000+/-0.000 χ^2/NDF: 14.1/8

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: -0.000+/-0.000 χ^2/NDF:26.0/19

Out: -0.000+/-0.000 χ^2/NDF:33.7/23

All: -0.000+/-0.000 χ^2/NDF: 59.9/43



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3462881.5/4

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.007+/-0.000 χ^2/NDF:2014753.8/3

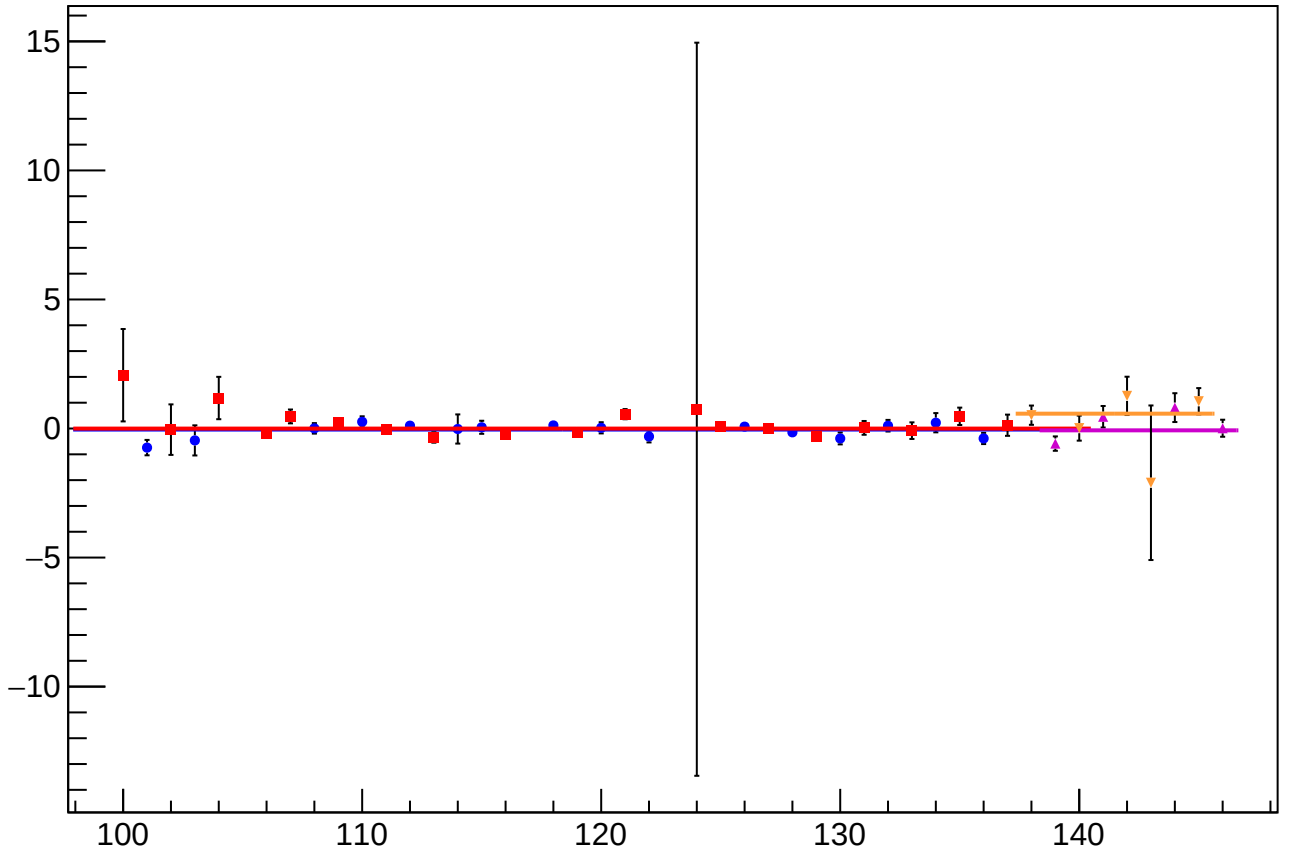
Left: 0.004+/-0.000 χ^2/NDF: 6521695.2/8

Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.007+/-0.000 χ^2/NDF:5246198.0/19

Out: 0.002+/-0.000 χ^2/NDF:12827770.5/23

All: 0.003+/-0.000 χ^2/NDF: 23720822.2/43



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.575+/-0.241 χ^2/NDF:3.9/4

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.071+/-0.180 χ^2/NDF:7.5/3

Left: 0.160+/-0.144 χ^2/NDF: 16.1/8

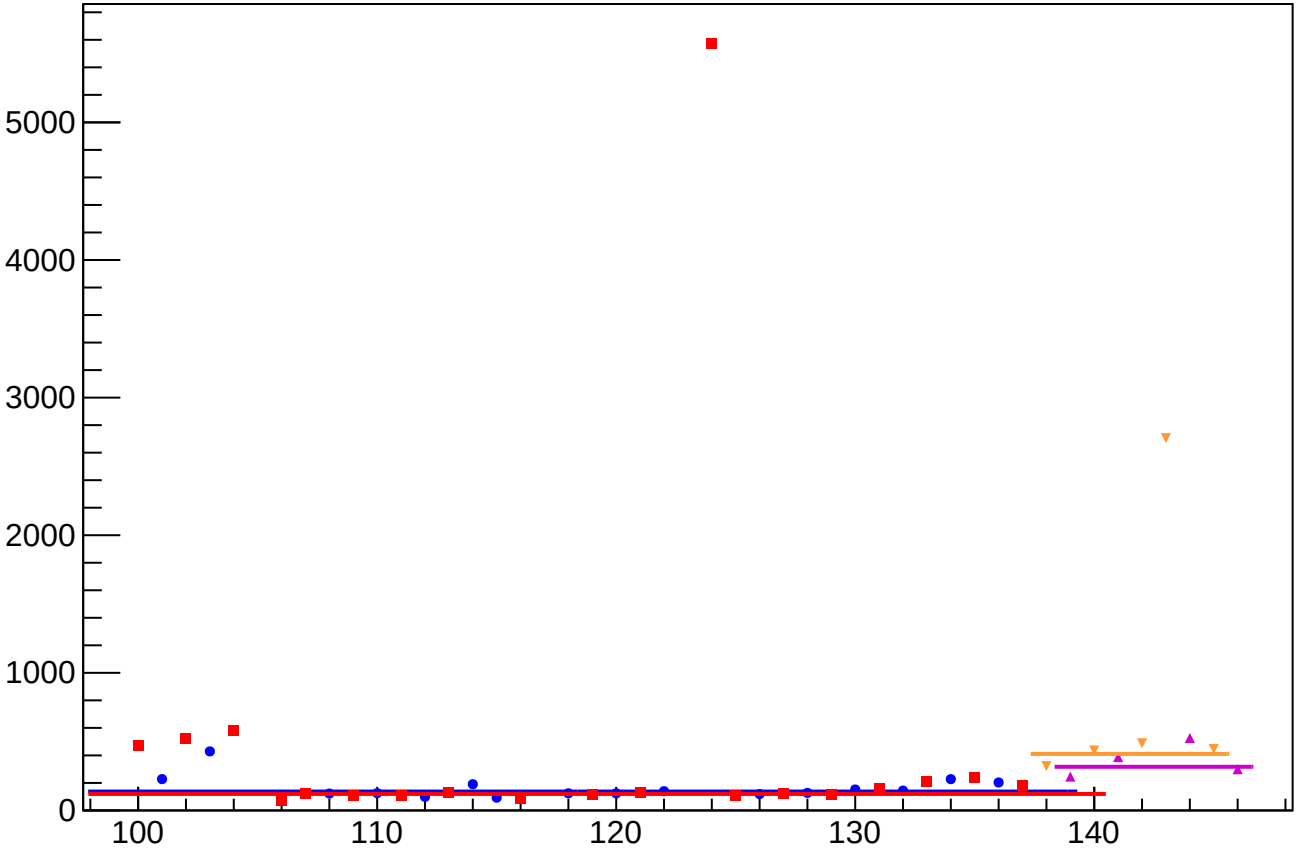
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.042+/-0.053 χ^2/NDF:25.5/19

Out: 0.022+/-0.050 χ^2/NDF:38.1/23

All: -0.008+/-0.036 χ^2/NDF: 64.4/43

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: 410.838+/-0.170 χ^2/NDF:1324003.9/4

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 317.420+/-0.127 χ^2/NDF:475733.1/3

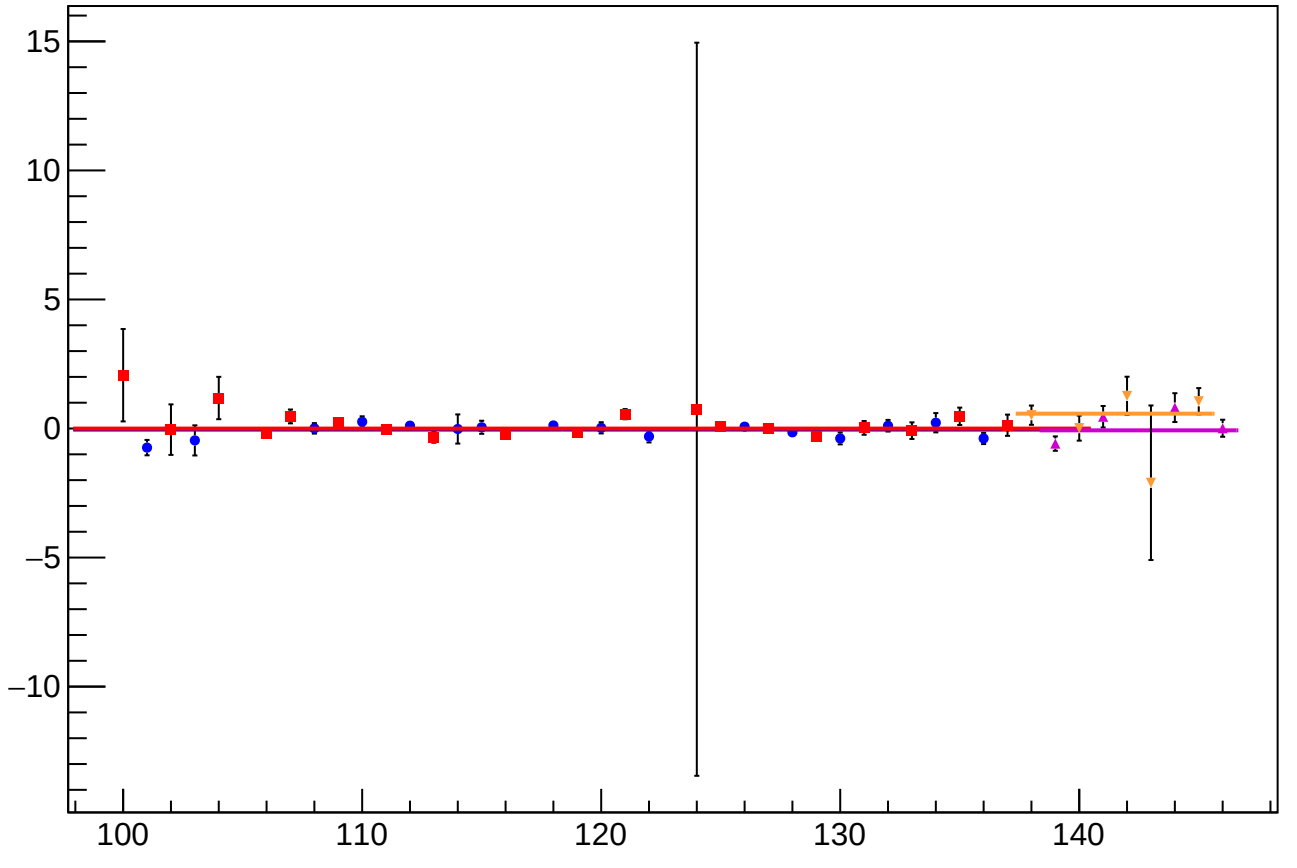
Left: 350.757+/-0.102 χ^2/NDF: 1992812.2/8

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 153.257+/-0.038 χ^2/NDF:3576145.8/19

Out: 132.425+/-0.035 χ^2/NDF:6249232.7/23

All: 142.139+/-0.026 χ^2/NDF: 9988397.2/43



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.575+/-0.241 χ^2/NDF:3.9/4

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.071+/-0.180 χ^2/NDF:7.5/3

Left: 0.160+/-0.144 χ^2/NDF: 16.1/8

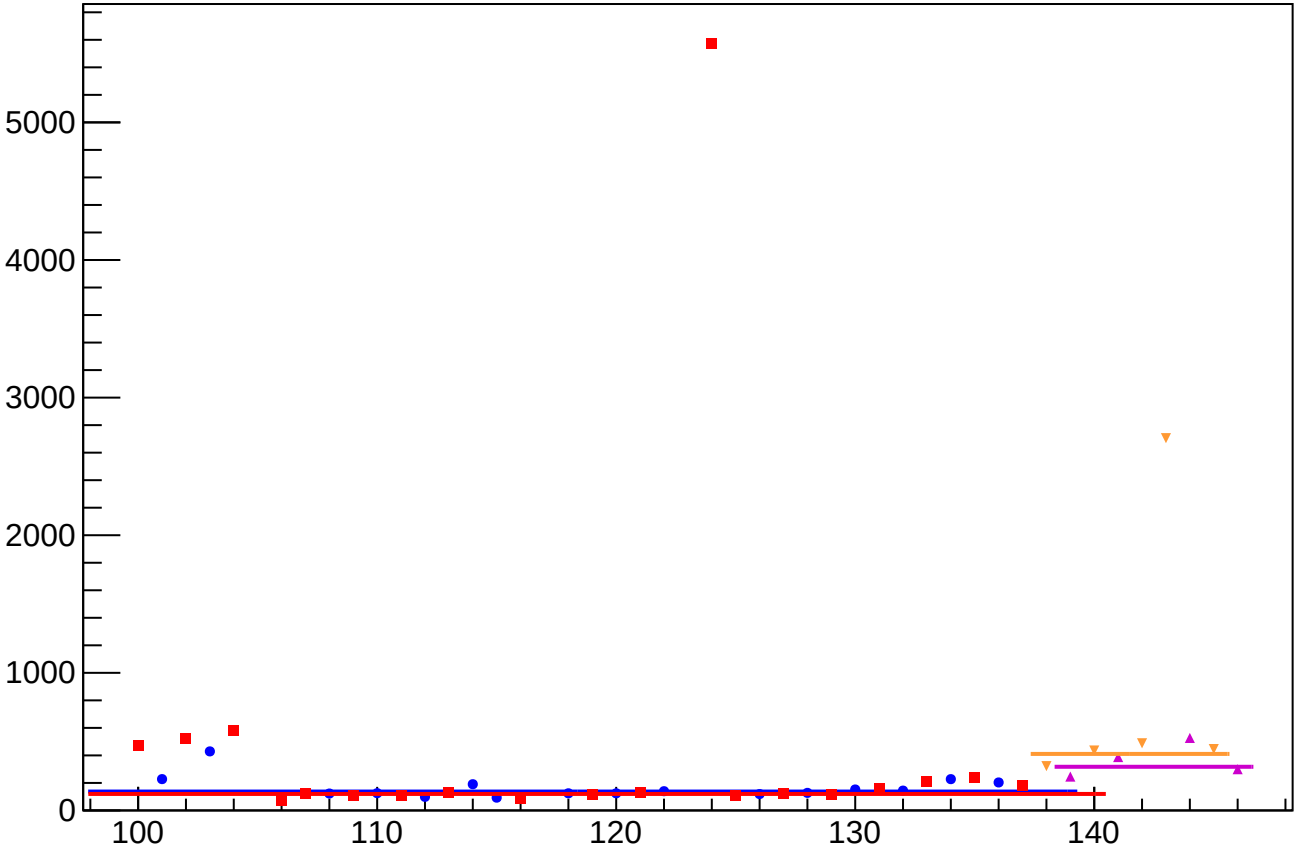
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.042+/-0.053 χ^2/NDF:25.5/19

Out: 0.022+/-0.050 χ^2/NDF:38.1/23

All: -0.008+/-0.036 χ^2/NDF: 64.4/43

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: 410.838+/-0.170 χ^2/NDF:1324003.9/4

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 317.420+/-0.127 χ^2/NDF:475733.1/3

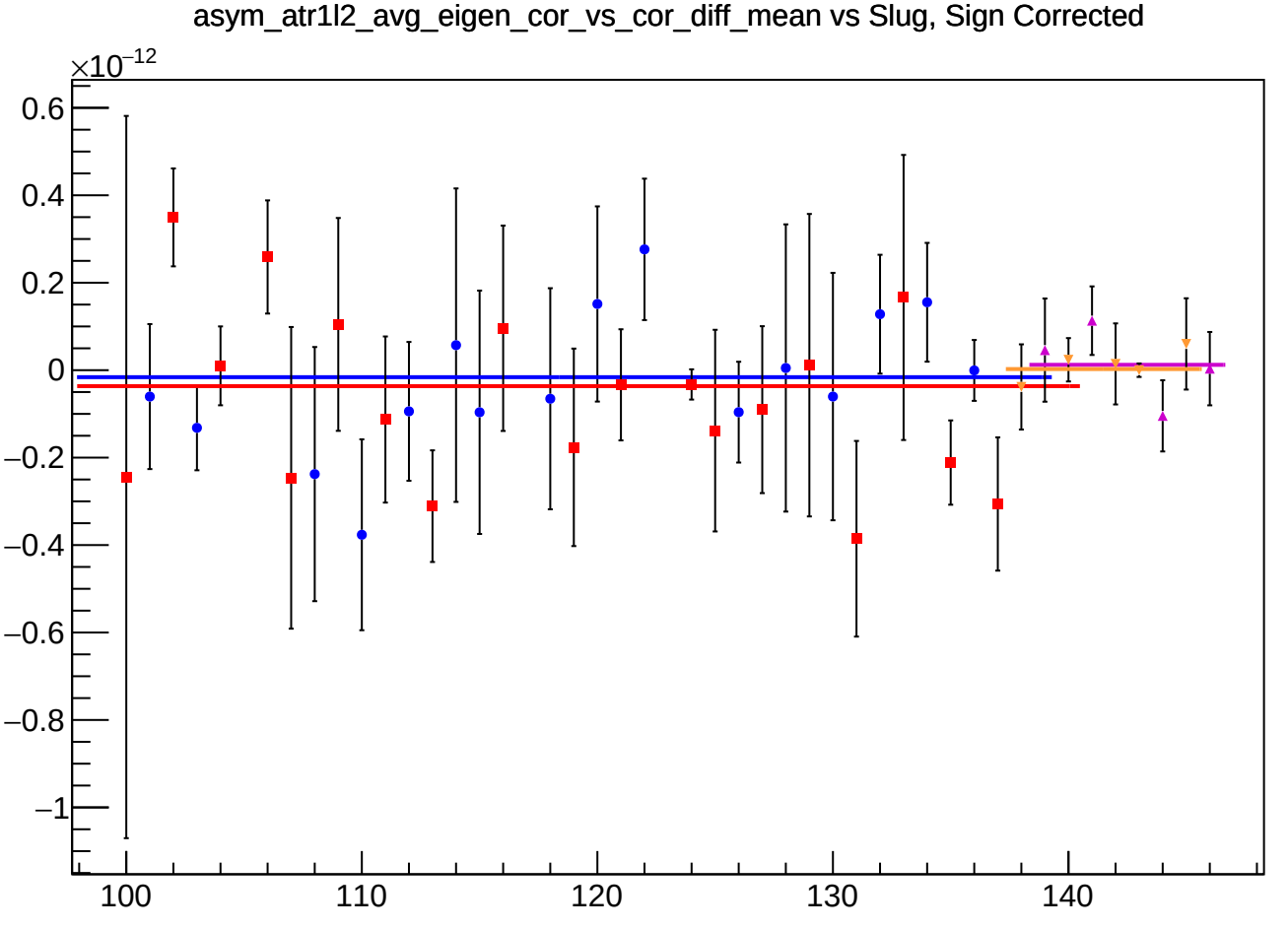
Left: 350.757+/-0.102 χ^2/NDF: 1992812.2/8

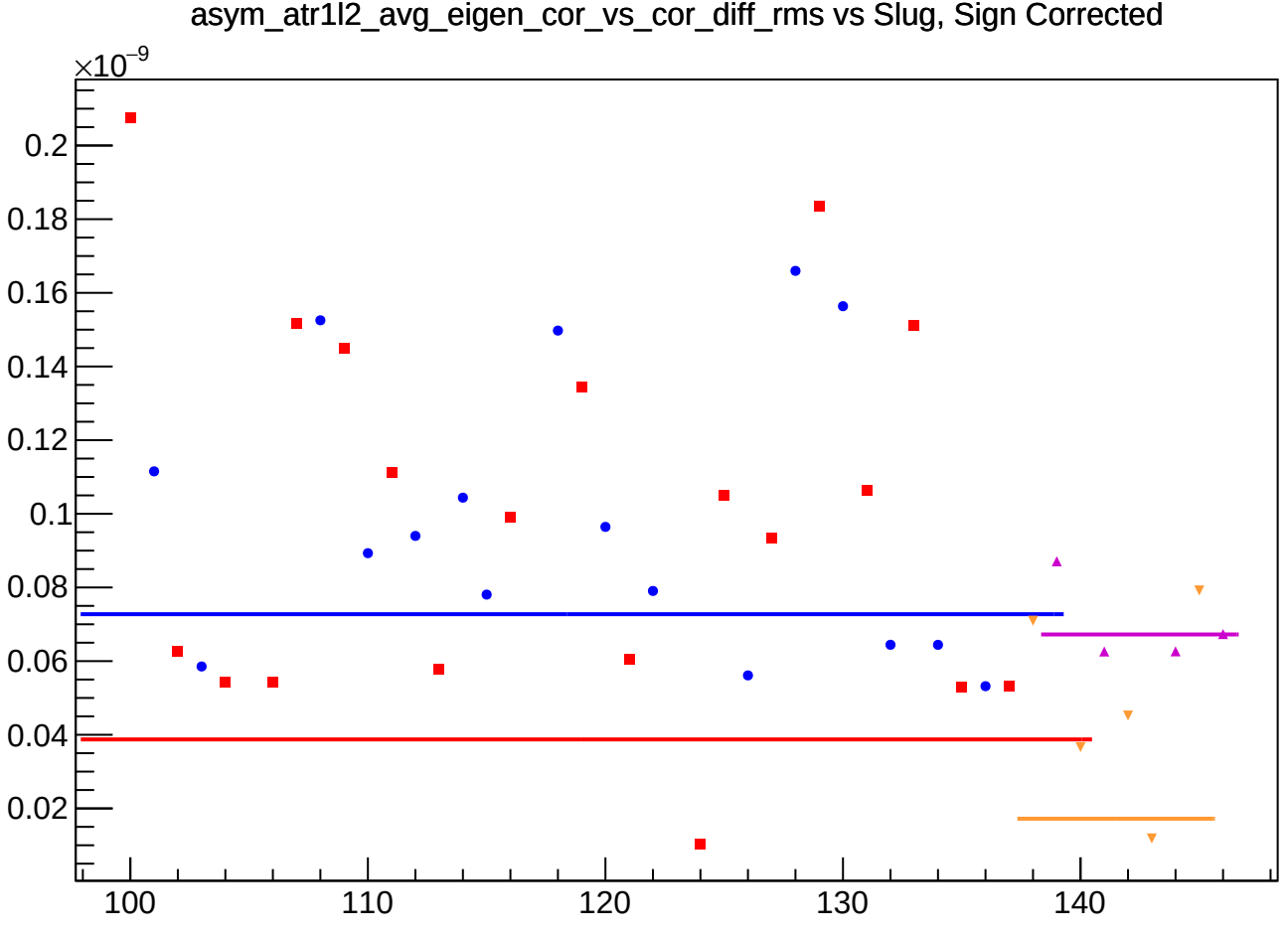
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 153.257+/-0.038 χ^2/NDF:3576145.8/19

Out: 132.425+/-0.035 χ^2/NDF:6249232.7/23

All: 142.139+/-0.026 χ^2/NDF: 9988397.2/43


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:0.7/4
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: 0.000+/-0.000 χ²/NDF:3.8/3
Left: 0.000+/-0.000 χ²/NDF: 4.6/8
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:16.4/19
Out: -0.000+/-0.000 χ²/NDF:35.7/23
All: -0.000+/-0.000 χ²/NDF: 52.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2045306.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:70004.0/3

Left: 0.000+/-0.000 χ^2/NDF: 4499623.6/8

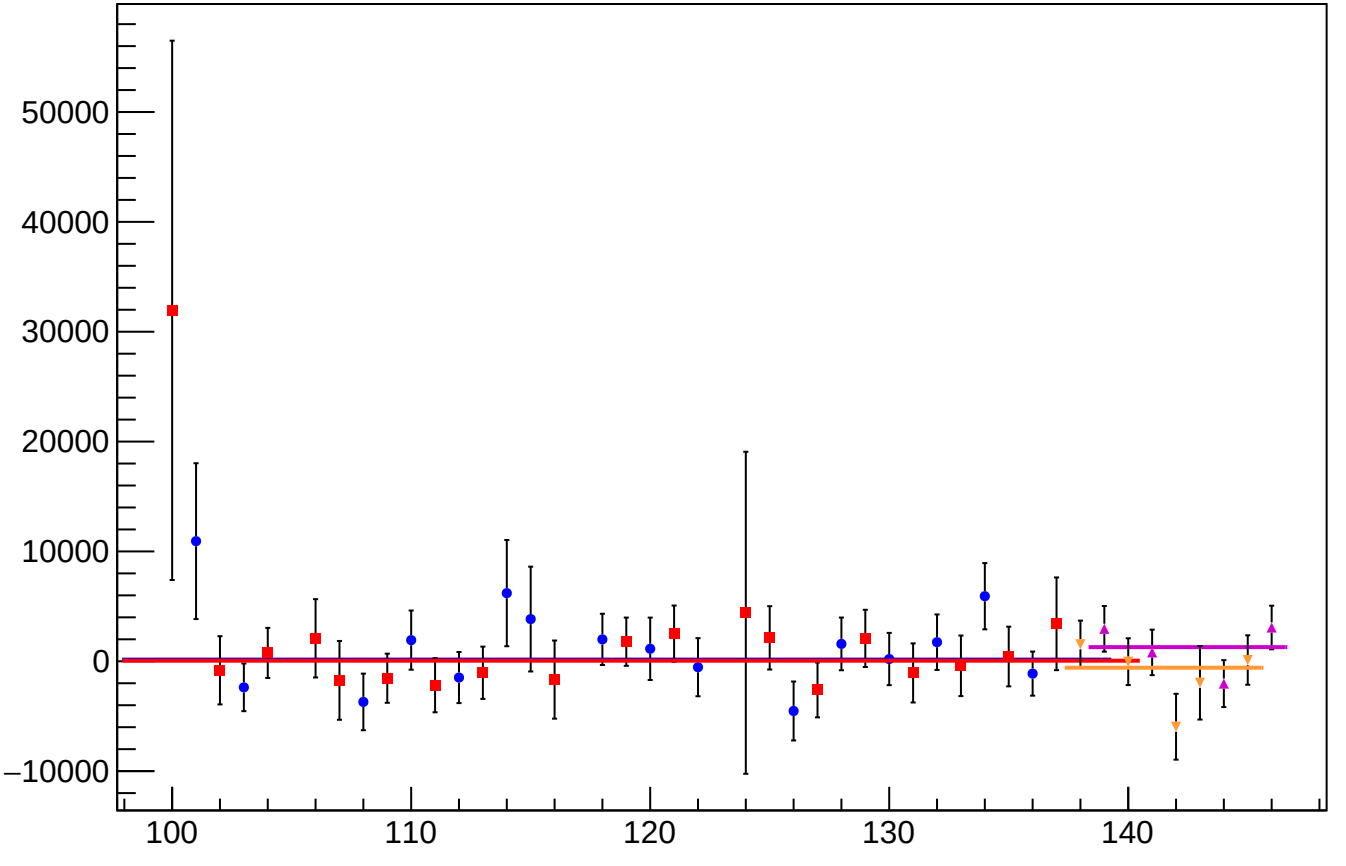
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1216493.8/19

Out: 0.000+/-0.000 χ^2/NDF:7402320.2/23

All: 0.000+/-0.000 χ^2/NDF: 13451894.0/43

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: -584.634+/-1094.502 χ^2/NDF:4.5/4

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 1288.296+/-1032.659 χ^2/NDF:3.9/3

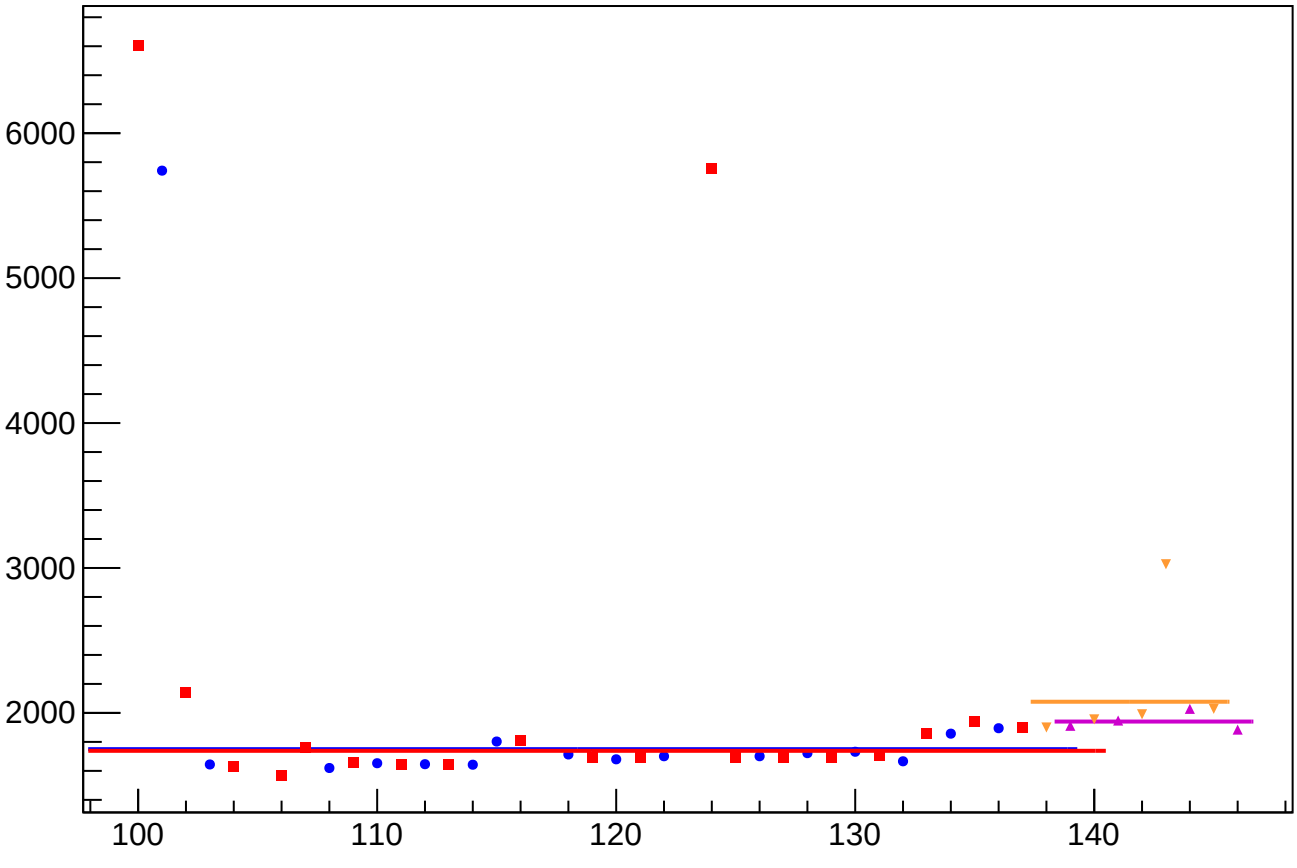
Left: 406.237+/-751.112 χ^2/NDF: 10.0/8

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 485.621+/-560.305 χ^2/NDF:22.4/19

Out: -114.429+/-562.211 χ^2/NDF:13.7/23

All: 186.615+/-396.868 χ^2/NDF: 36.8/43



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 2077.085+/-0.774 χ^2/NDF:183268.4/4

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

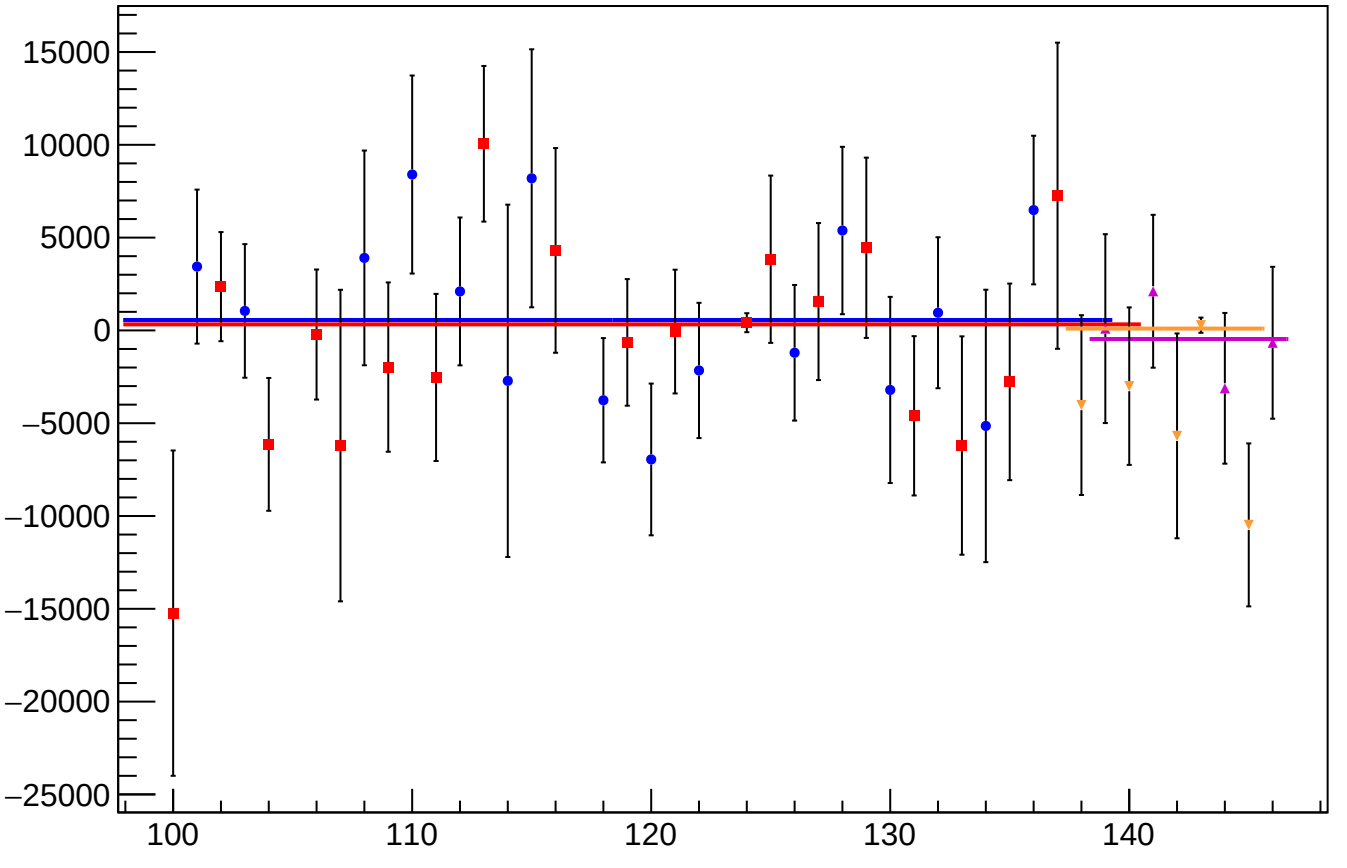
Left: 2004.745+/-0.531 χ^2/NDF: 205134.8/8

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1805.942+/-0.396 χ^2/NDF:722944.6/19

Out: 1826.868+/-0.395 χ^2/NDF:629207.7/23

All: 1816.426+/-0.280 χ^2/NDF: 1353549.9/43



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 99.211+/-402.974 χ^2/NDF:8.4/4

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -462.632+/-2142.059 χ^2/NDF:0.8/3

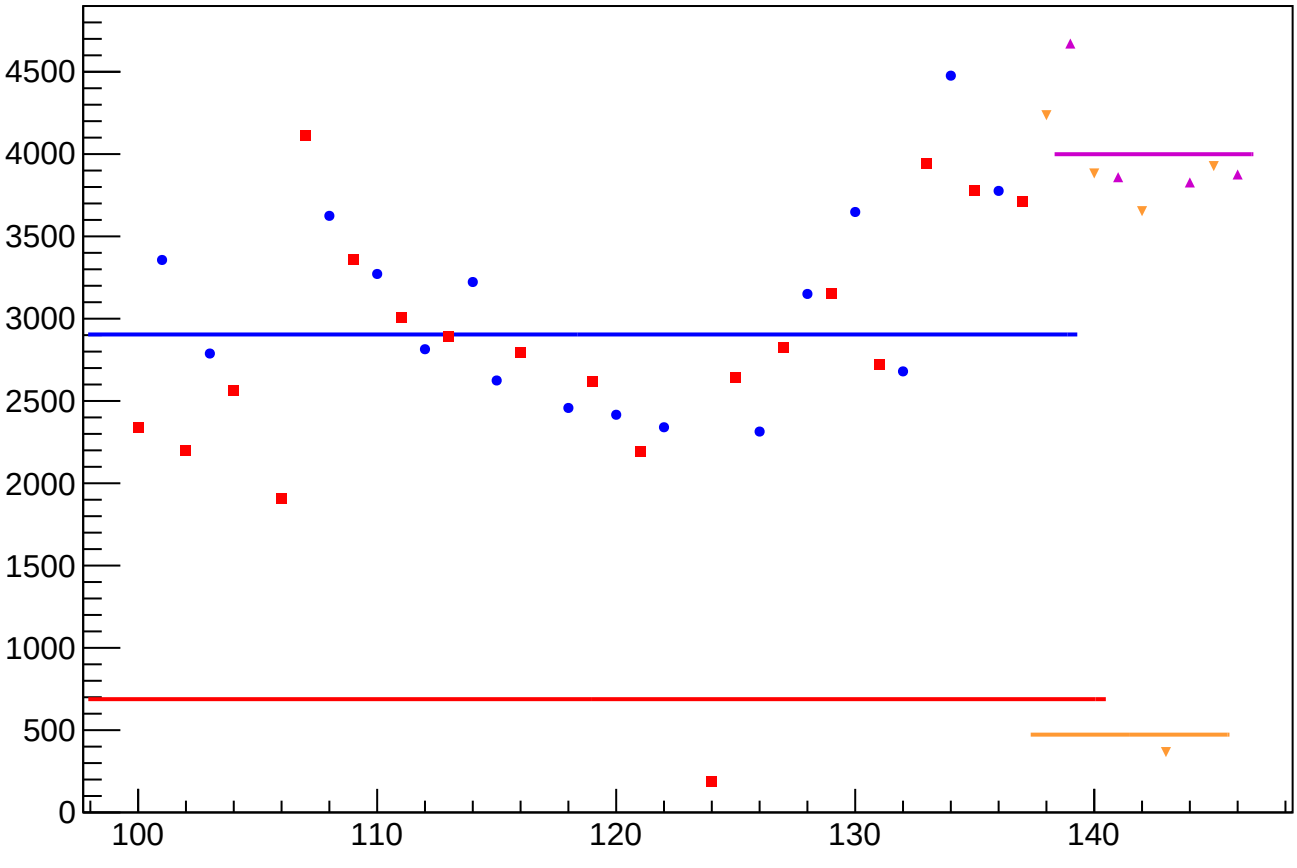
Left: 80.006+/-396.027 χ^2/NDF: 9.3/8

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 348.093+/-979.337 χ^2/NDF:15.8/19

Out: 197.994+/-302.525 χ^2/NDF:27.7/23

All: 211.069+/-289.048 χ^2/NDF: 43.6/43



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 472.795+/-0.285 χ^2/NDF:4535930.3/4

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 3999.243+/-1.515 χ^2/NDF:42603.0/3

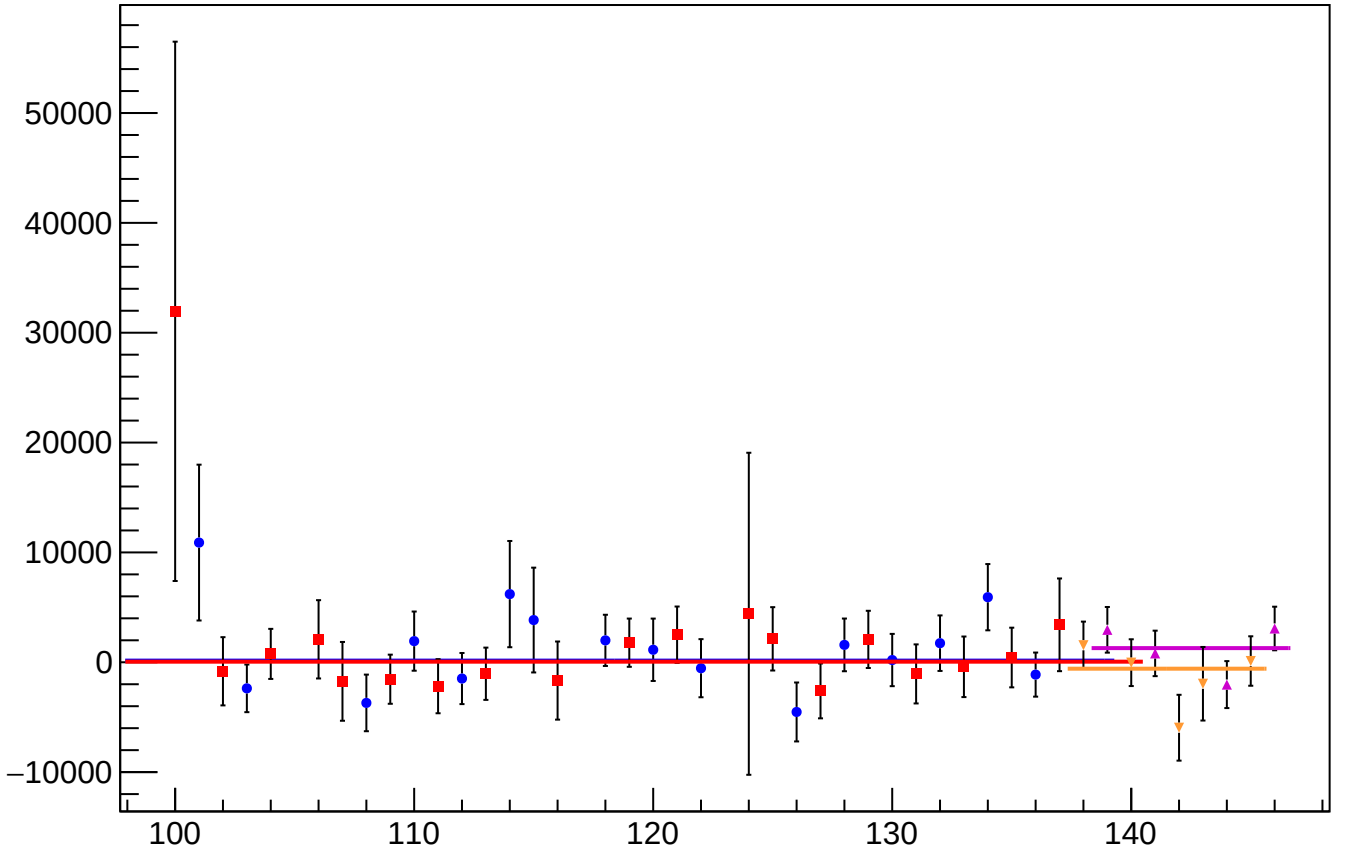
Left: 593.333+/-0.280 χ^2/NDF: 9813789.2/8

Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3132.982+/-0.692 χ^2/NDF:935903.6/19

Out: 566.851+/-0.214 χ^2/NDF:14934508.9/23

All: 790.390+/-0.204 χ^2/NDF: 28405888.0/43



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -584.646+/-1094.502 χ^2/NDF:4.5/4

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 1288.369+/-1032.659 χ^2/NDF:3.9/3

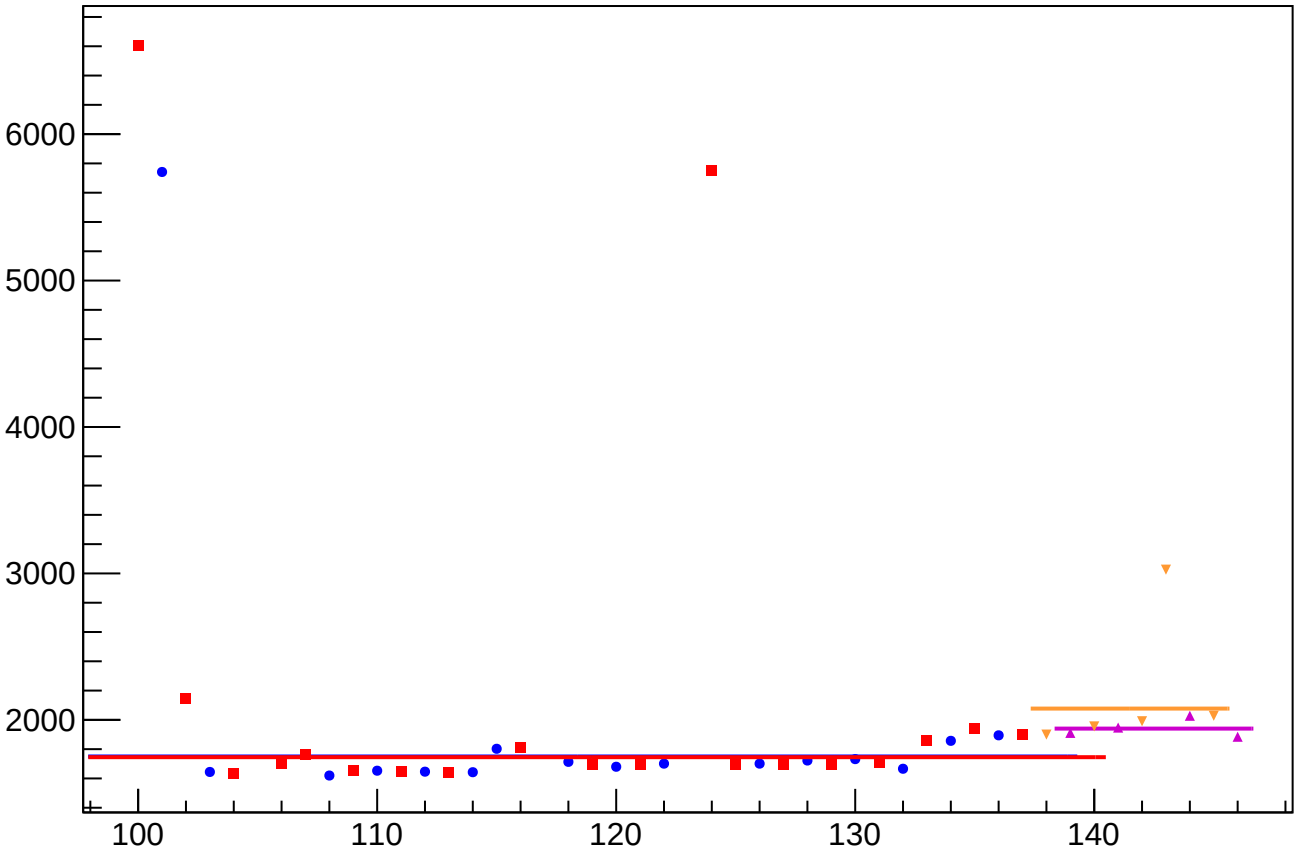
Left: 406.270+/-751.112 χ^2/NDF: 10.0/8

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 485.313+/-560.305 χ^2/NDF:22.4/19

Out: -114.394+/-562.211 χ^2/NDF:13.7/23

All: 186.478+/-396.868 χ^2/NDF: 36.7/43



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2077.085+/-0.774 χ^2/NDF:183268.4/4

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

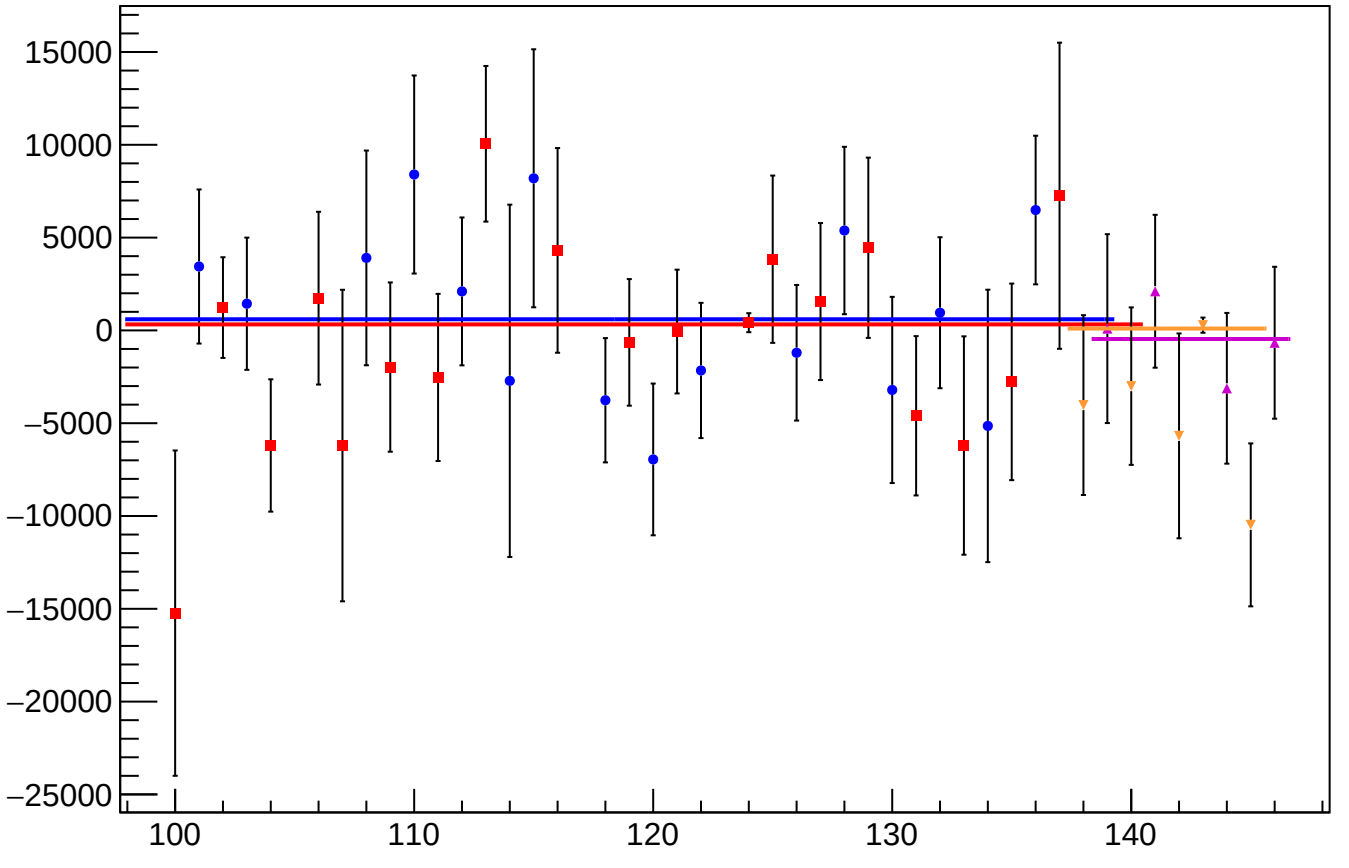
Left: 2004.745+/-0.531 χ^2/NDF: 205134.8/8

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1805.942+/-0.396 χ^2/NDF:722944.9/19

Out: 1832.279+/-0.396 χ^2/NDF:616898.1/23

All: 1819.102+/-0.280 χ^2/NDF: 1342051.0/43



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 100.200+/-403.009 χ^2/NDF:8.4/4

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -462.655+/-2142.052 χ^2/NDF:0.8/3

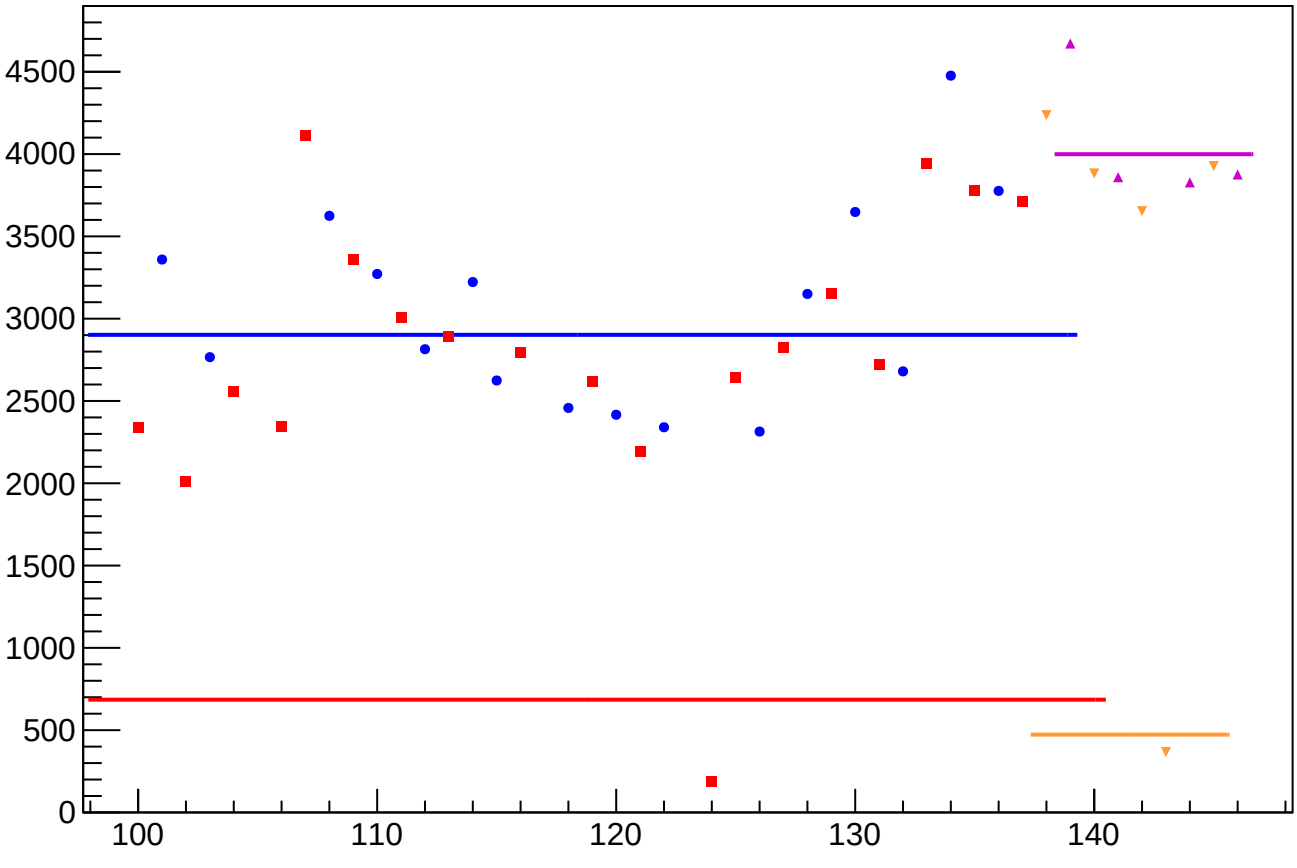
Left: 80.957+/-396.060 χ^2/NDF: 9.3/8

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 378.366+/-978.607 χ^2/NDF:15.9/19

Out: 197.293+/-302.803 χ^2/NDF:27.5/23

All: 213.115+/-289.271 χ^2/NDF: 43.4/43



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 472.853+/-0.285 χ^2/NDF:4535807.7/4

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 3999.231+/-1.515 χ^2/NDF:42602.2/3

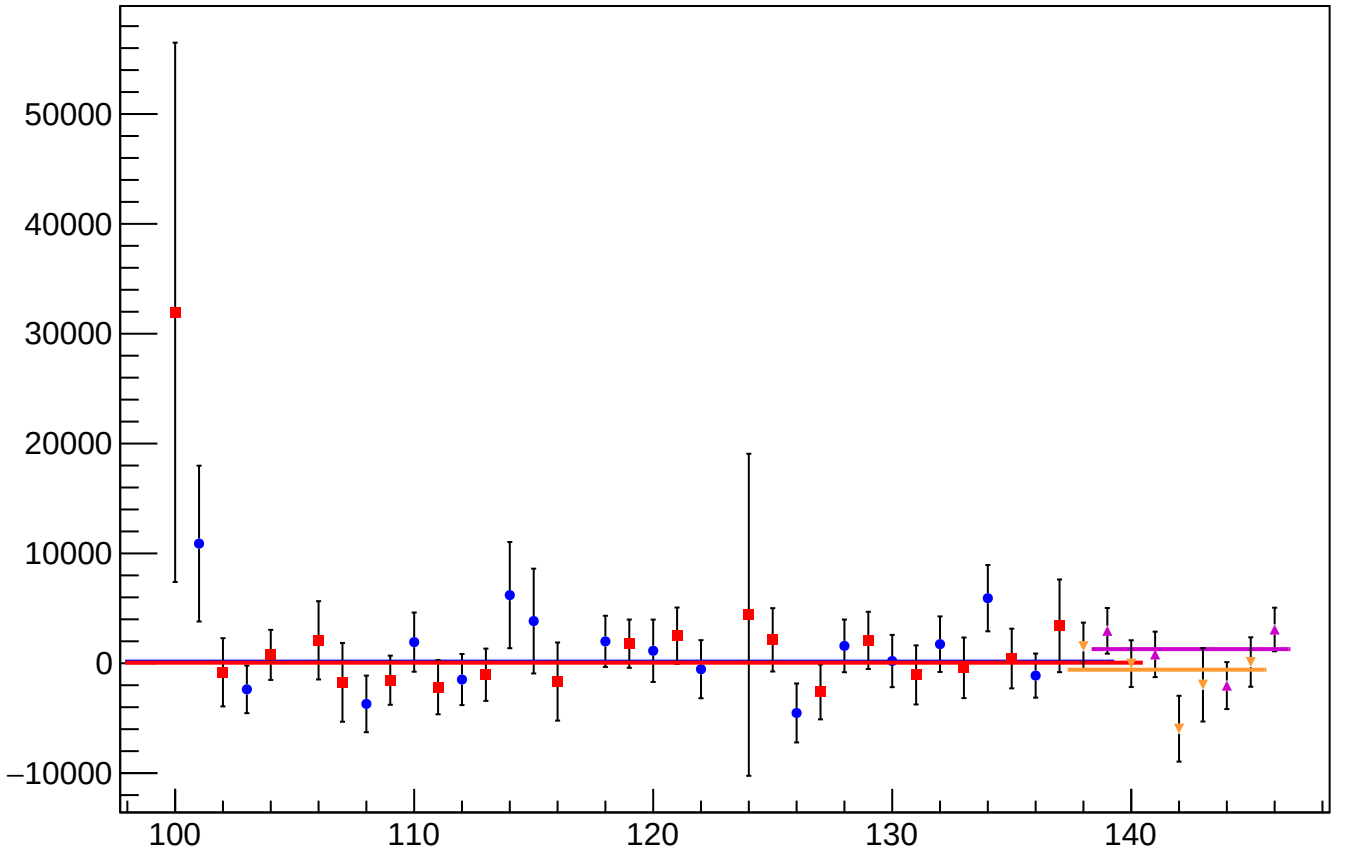
Left: 593.410+/-0.280 χ^2/NDF: 9813458.4/8

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3130.900+/-0.692 χ^2/NDF:938880.7/19

Out: 565.348+/-0.214 χ^2/NDF:14883529.2/23

All: 789.517+/-0.205 χ^2/NDF: 28367302.4/43



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -584.646+/-1094.502 χ^2/NDF:4.5/4

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 1288.369+/-1032.659 χ^2/NDF:3.9/3

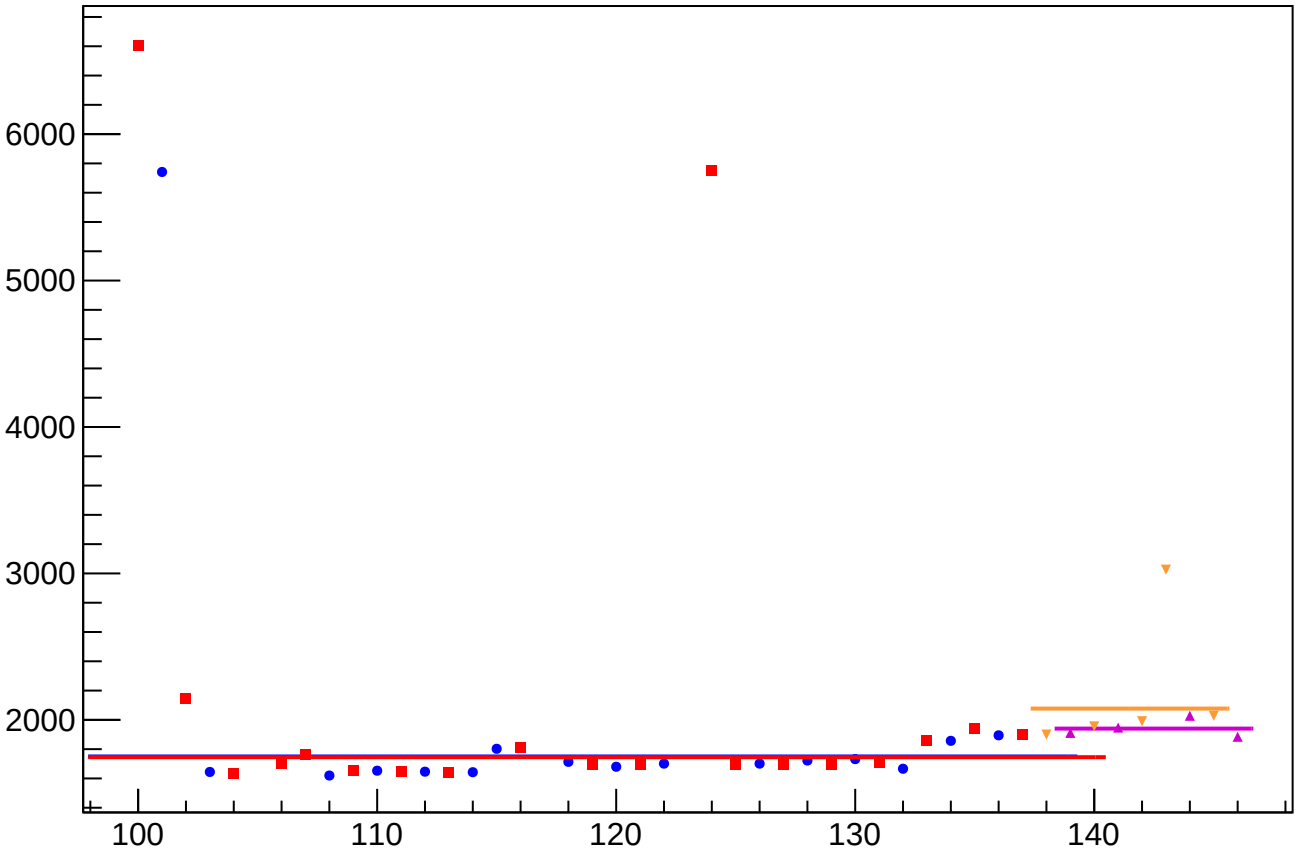
Left: 406.270+/-751.112 χ^2/NDF: 10.0/8

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 485.313+/-560.305 χ^2/NDF:22.4/19

Out: -114.394+/-562.211 χ^2/NDF:13.7/23

All: 186.478+/-396.868 χ^2/NDF: 36.7/43



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2077.085+/-0.774 χ^2/NDF:183268.4/4

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

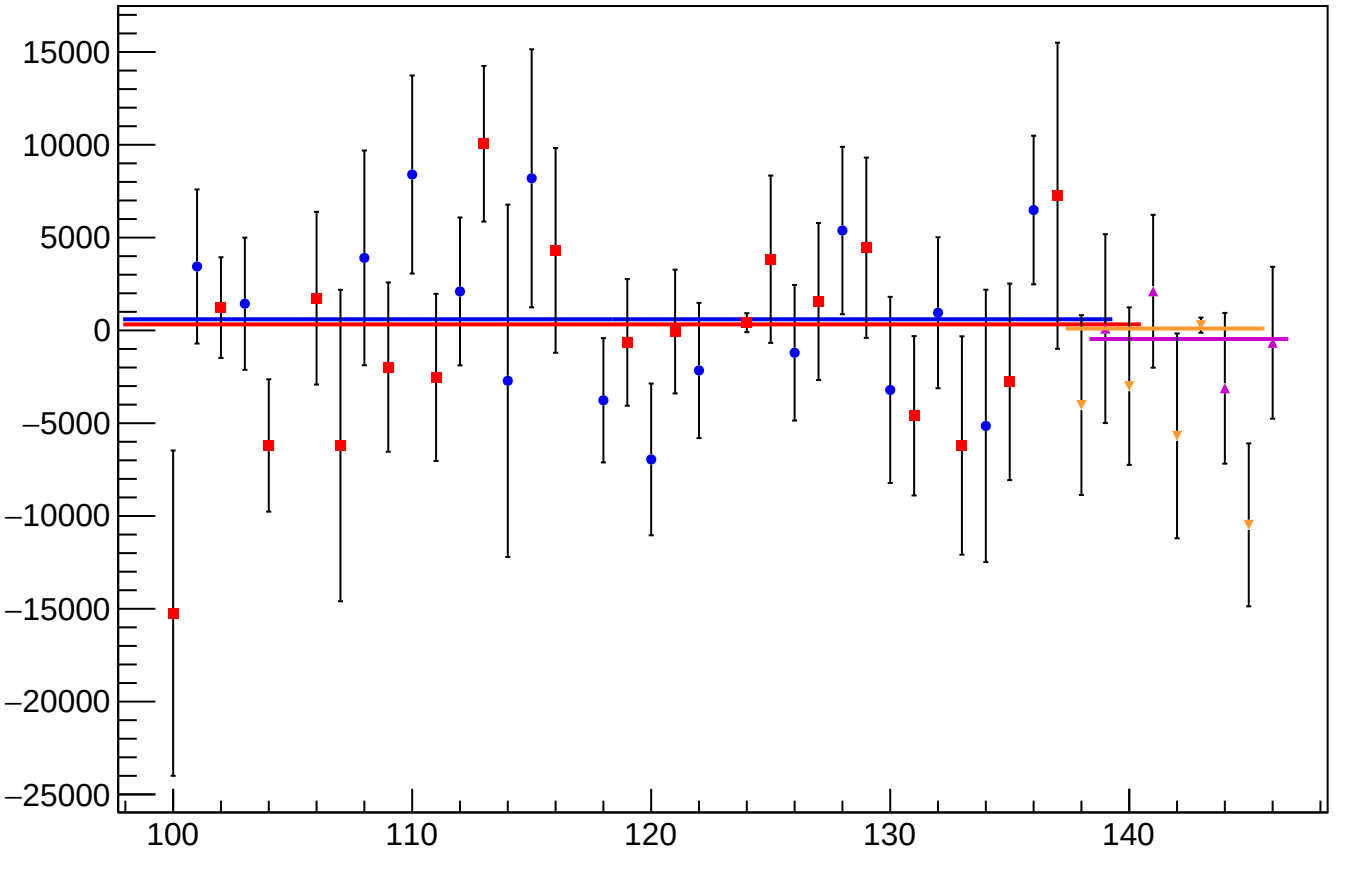
Left: 2004.745+/-0.531 χ^2/NDF: 205134.8/8

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1805.942+/-0.396 χ^2/NDF:722944.9/19

Out: 1832.279+/-0.396 χ^2/NDF:616898.1/23

All: 1819.102+/-0.280 χ^2/NDF: 1342051.0/43



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 100.200+/-403.009 χ^2/NDF:8.4/4

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -462.655+/-2142.052 χ^2/NDF:0.8/3

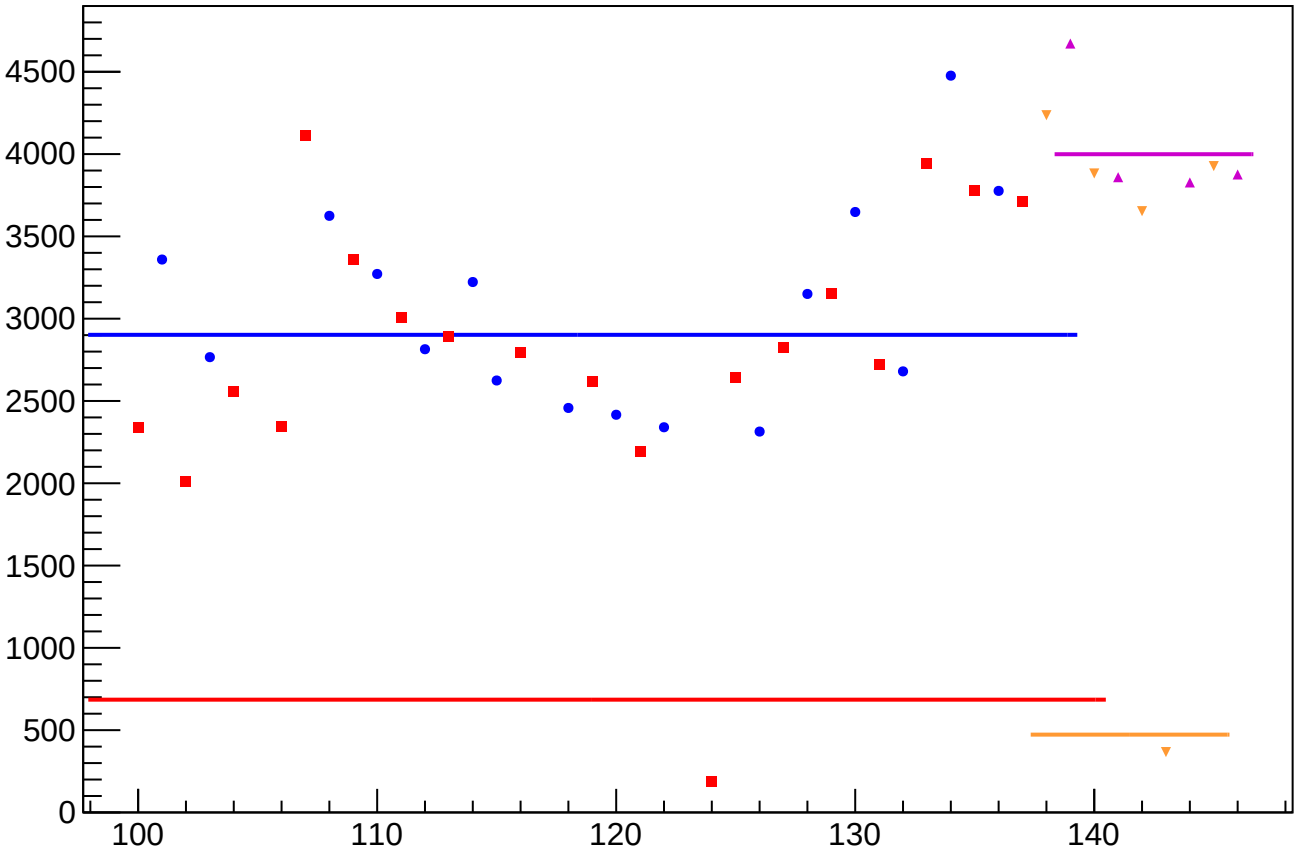
Left: 80.957+/-396.060 χ^2/NDF: 9.3/8

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 378.366+/-978.607 χ^2/NDF:15.9/19

Out: 197.293+/-302.803 χ^2/NDF:27.5/23

All: 213.115+/-289.271 χ^2/NDF: 43.4/43



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 472.853+/-0.285 χ^2/NDF:4535807.7/4

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 3999.231+/-1.515 χ^2/NDF:42602.2/3

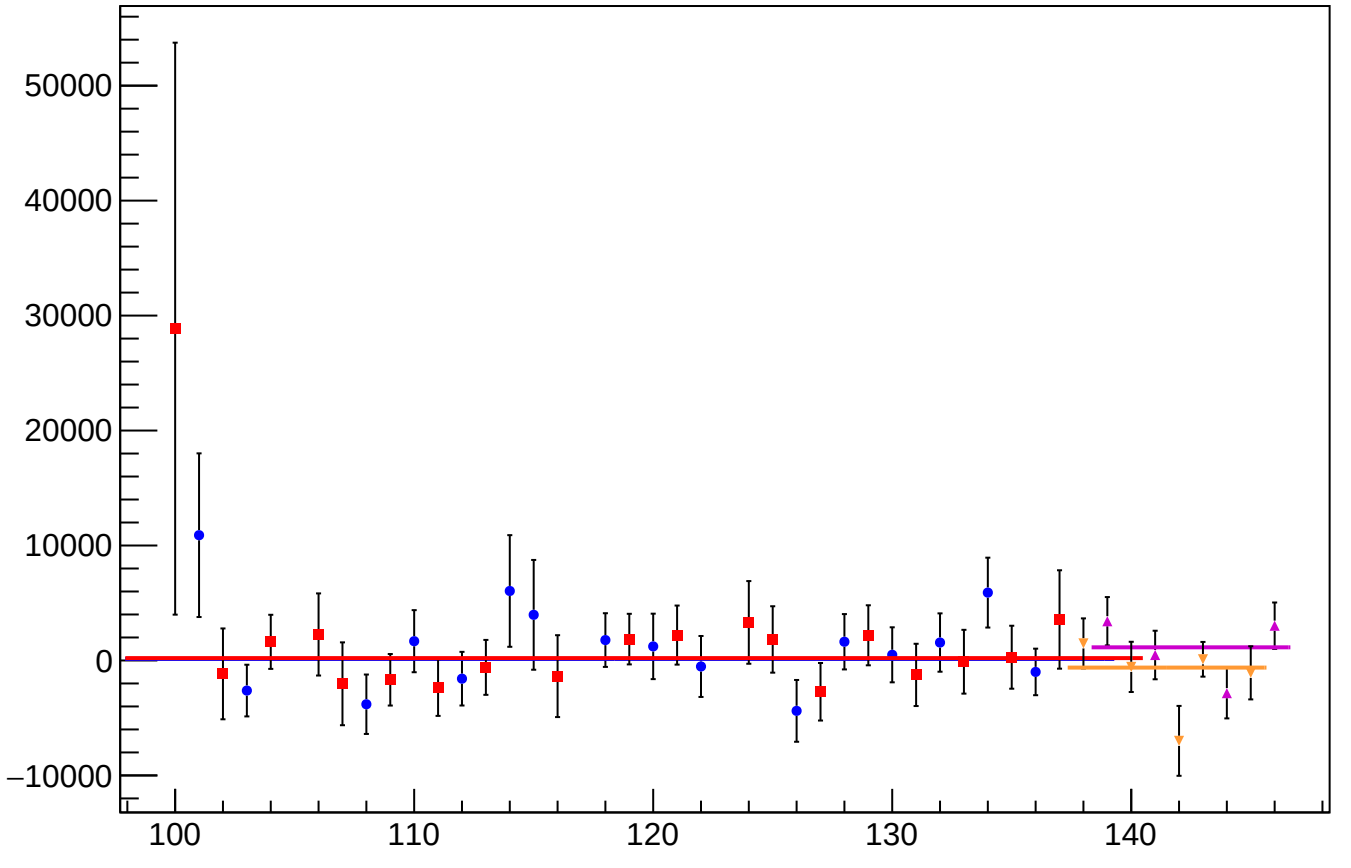
Left: 593.410+/-0.280 χ^2/NDF: 9813458.4/8

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3130.900+/-0.692 χ^2/NDF:938880.7/19

Out: 565.348+/-0.214 χ^2/NDF:14883529.2/23

All: 789.517+/-0.205 χ^2/NDF: 28367302.4/43



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: -619.674+/-930.468 χ^2/NDF:5.6/4

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 1142.893+/-1052.083 χ^2/NDF:5.4/3

Left: 153.894+/-696.990 χ^2/NDF: 12.6/8

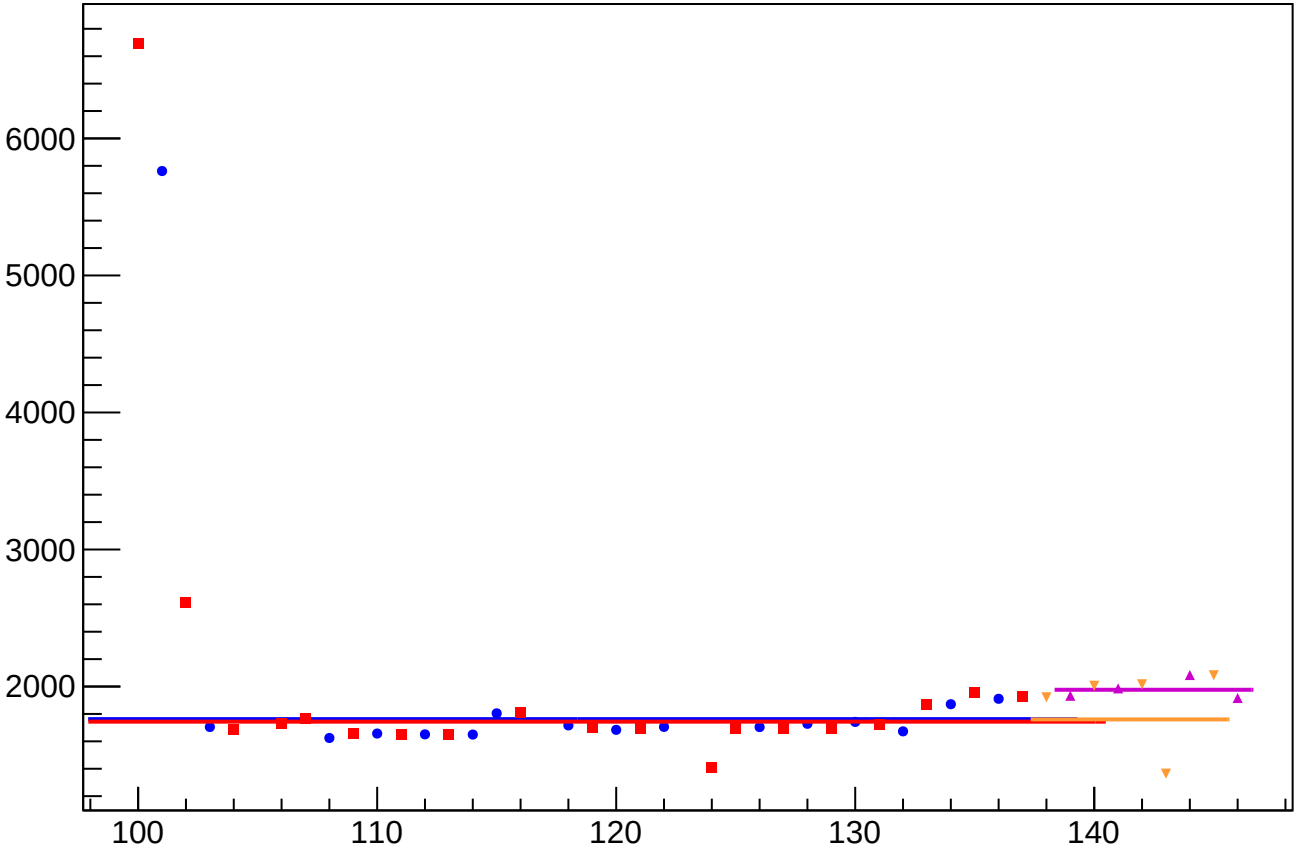
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 425.990+/-566.105 χ^2/NDF:23.4/19

Out: -67.658+/-535.298 χ^2/NDF:15.8/23

All: 165.369+/-388.948 χ^2/NDF: 39.6/43

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1760.010+/-0.658 χ^2/NDF:226739.2/4

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1976.384+/-0.744 χ^2/NDF:7488.2/3

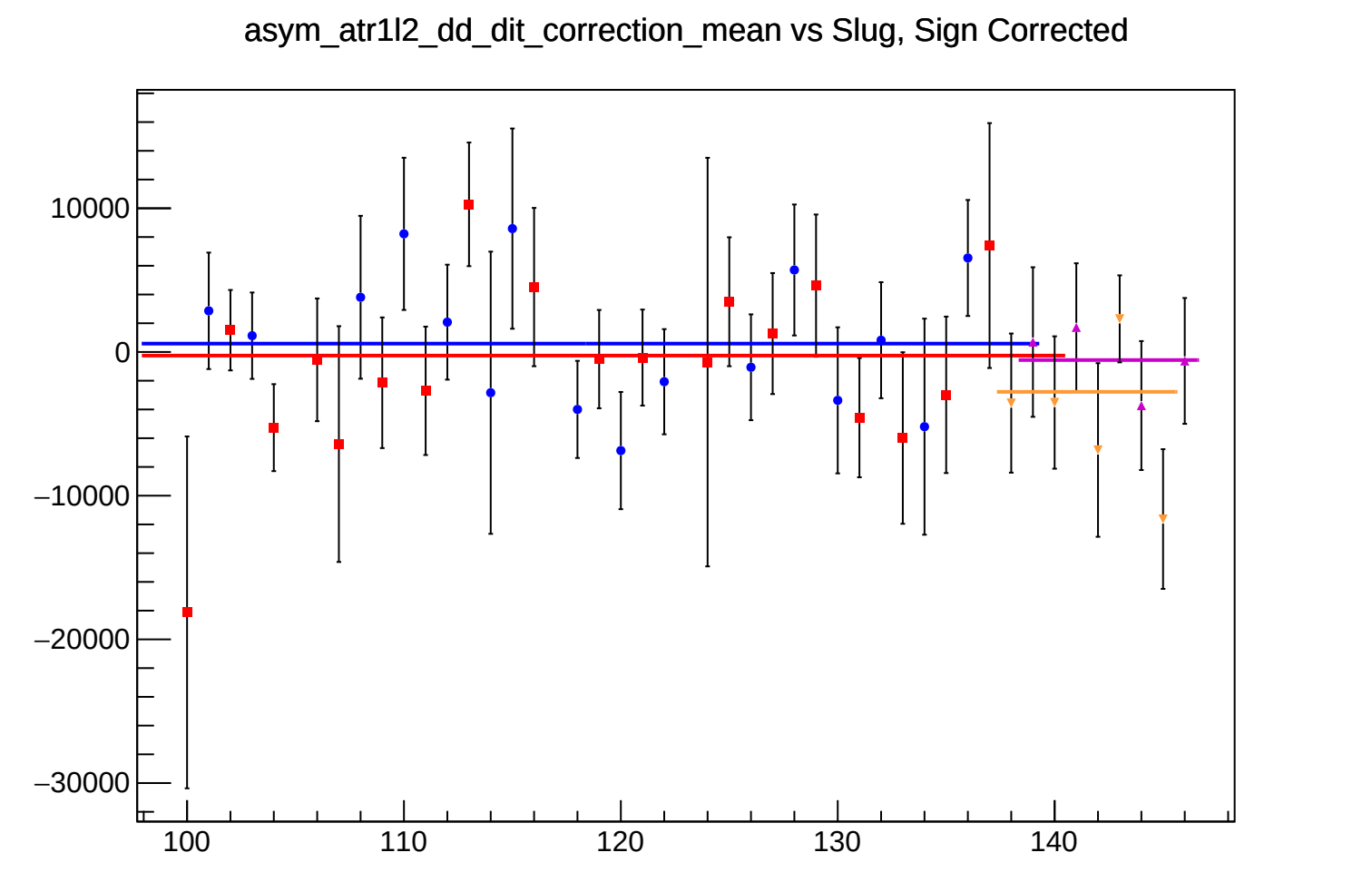
Left: 1854.974+/-0.493 χ^2/NDF: 281694.1/8

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1824.107+/-0.400 χ^2/NDF:734157.4/19

Out: 1749.093+/-0.378 χ^2/NDF:454912.0/23

All: 1784.431+/-0.275 χ^2/NDF: 1207643.5/43



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -2772.048+/-1929.167 χ^2/NDF:6.6/4

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -560.433+/-2300.033 χ^2/NDF:0.8/3

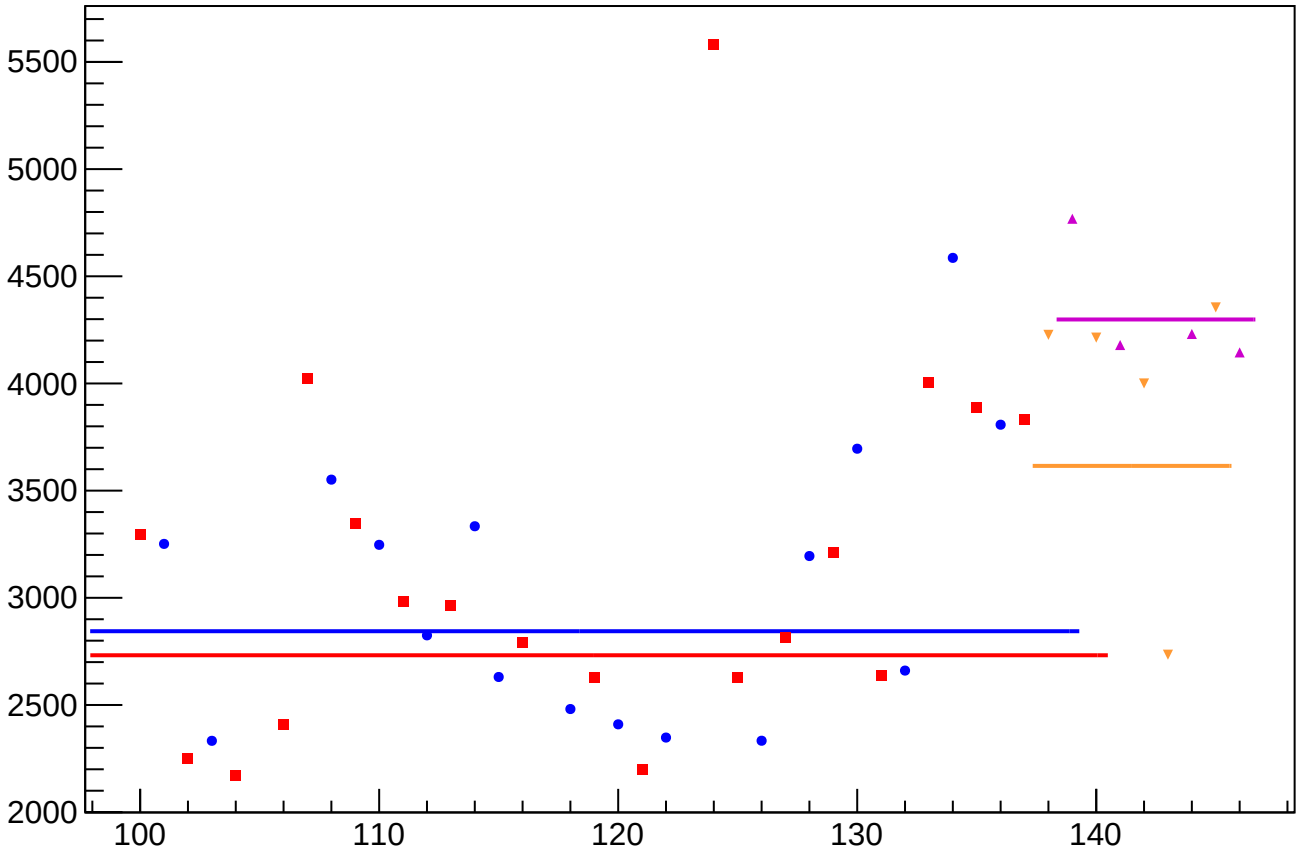
Left: -1858.701+/-1478.078 χ^2/NDF: 8.0/8

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 375.334+/-978.690 χ^2/NDF:15.9/19

Out: -802.037+/-902.419 χ^2/NDF:25.9/23

All: -261.010+/-663.434 χ^2/NDF: 42.6/43



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3615.439+/-1.364 χ^2/NDF:289434.8/4

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4298.505+/-1.626 χ^2/NDF:20656.4/3

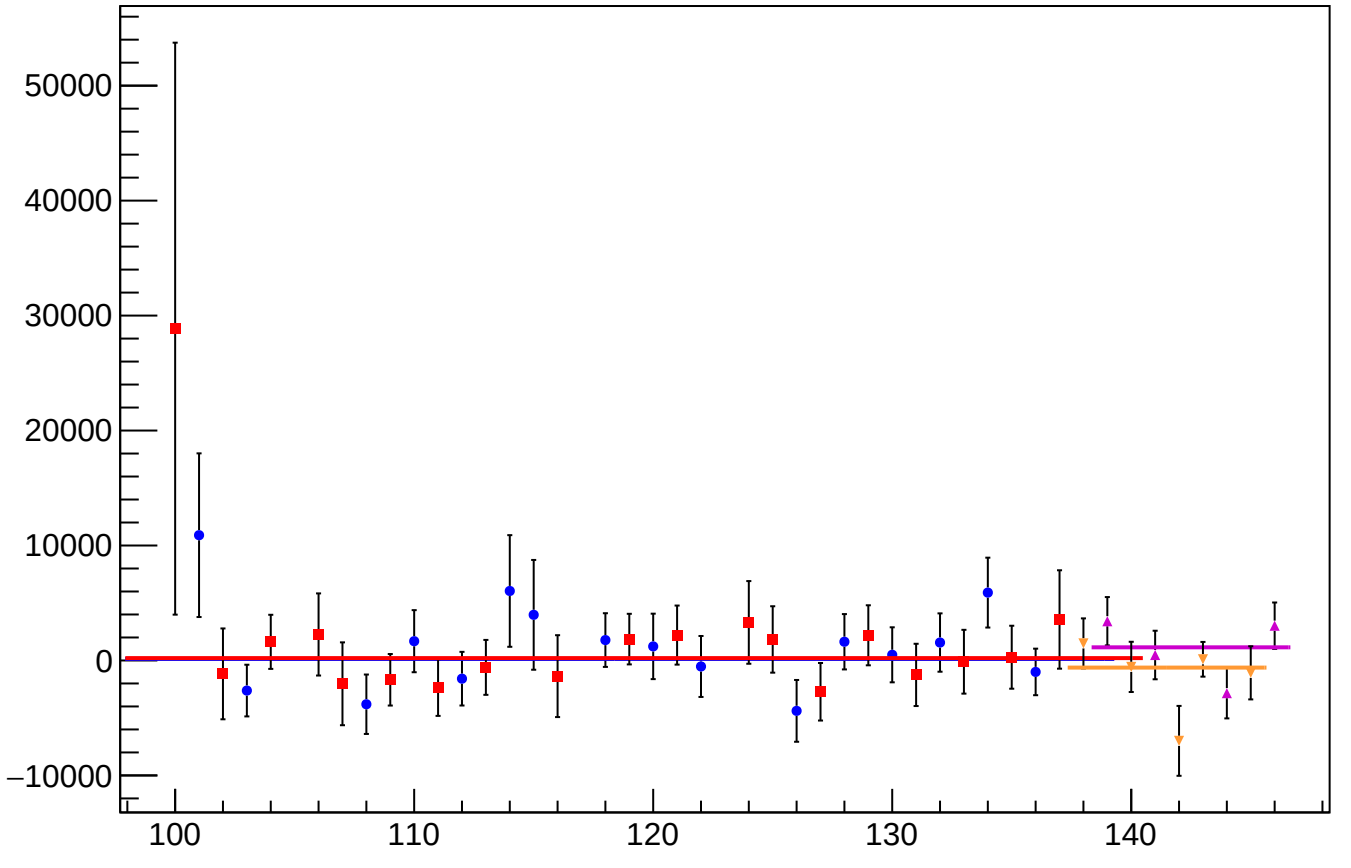
Left: 3897.530+/-1.045 χ^2/NDF: 413639.2/8

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3107.477+/-0.692 χ^2/NDF:1217556.1/19

Out: 2925.292+/-0.638 χ^2/NDF:1228367.2/23

All: 3009.010+/-0.469 χ^2/NDF: 2483381.3/43



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: -619.687+/-930.468 χ^2/NDF:5.6/4

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 1142.888+/-1052.084 χ^2/NDF:5.4/3

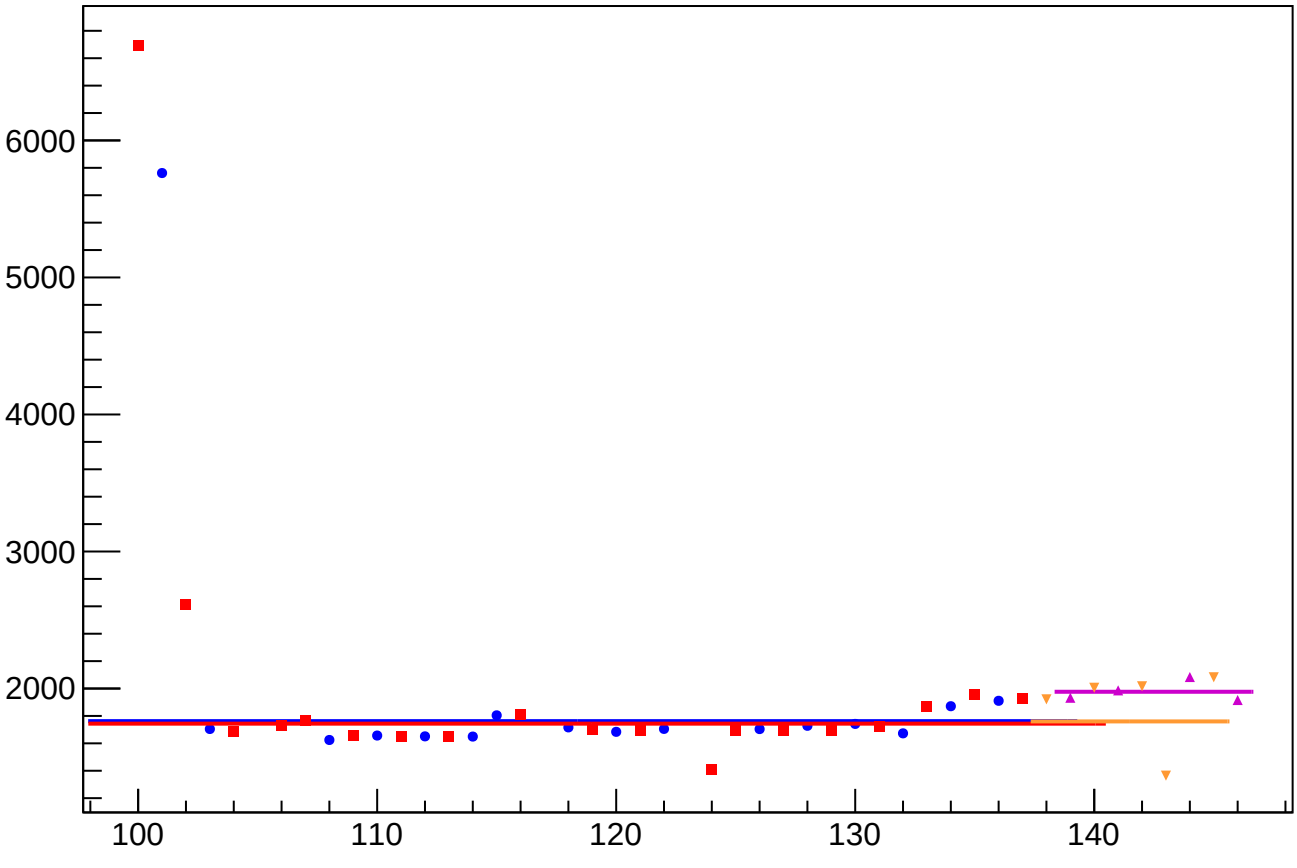
Left: 153.885+/-696.990 χ^2/NDF: 12.6/8

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 425.987+/-566.105 χ^2/NDF:23.4/19

Out: -67.664+/-535.298 χ^2/NDF:15.8/23

All: 165.365+/-388.948 χ^2/NDF: 39.6/43



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1760.011+/-0.658 χ^2/NDF:226740.1/4

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1976.385+/-0.744 χ^2/NDF:7488.3/3

Left: 1854.975+/-0.493 χ^2/NDF: 281695.2/8

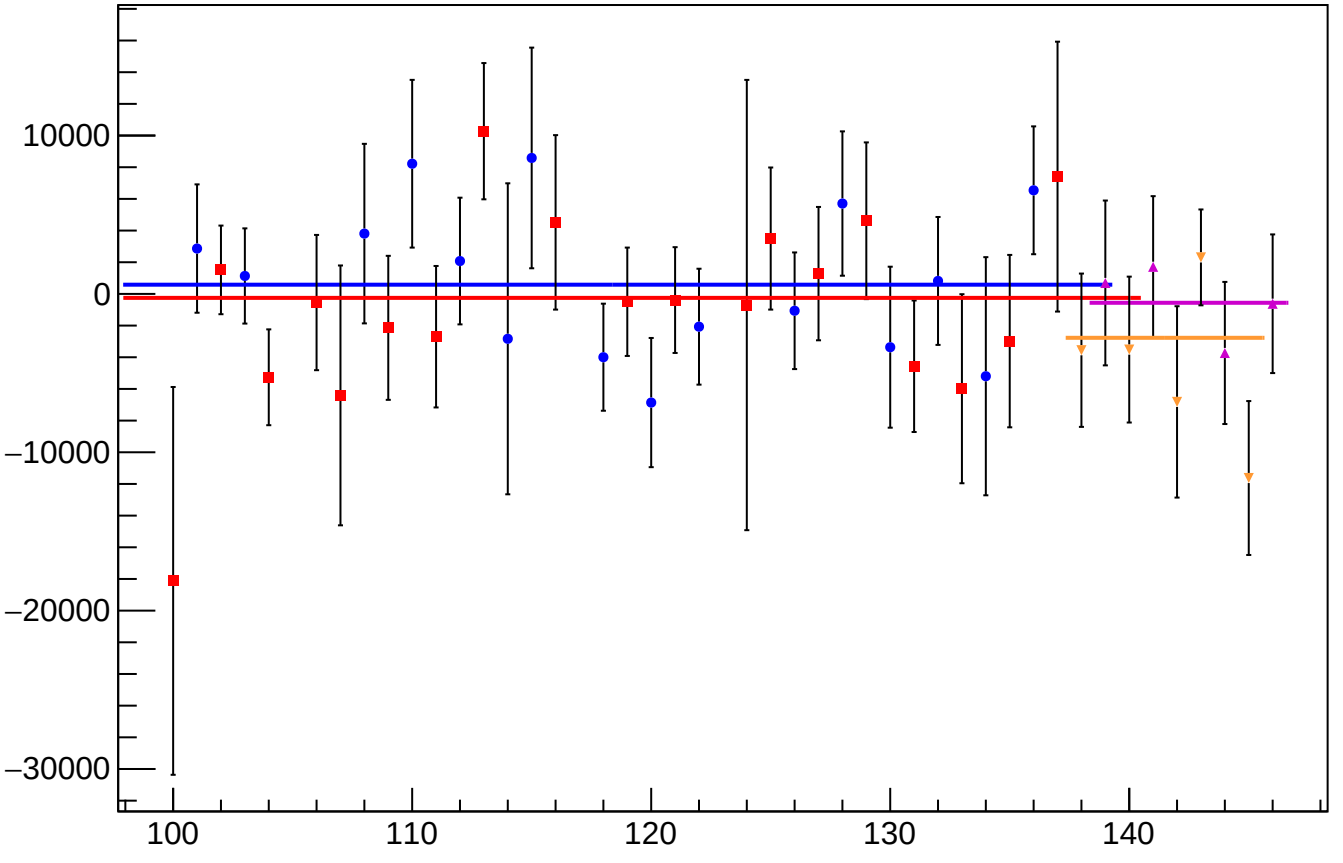
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1824.108+/-0.400 χ^2/NDF:734158.0/19

Out: 1749.093+/-0.378 χ^2/NDF:454913.0/23

All: 1784.432+/-0.275 χ^2/NDF: 1207645.2/43

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -2772.051+/-1929.170 χ^2/NDF:6.6/4

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -560.434+/-2300.038 χ^2/NDF:0.8/3

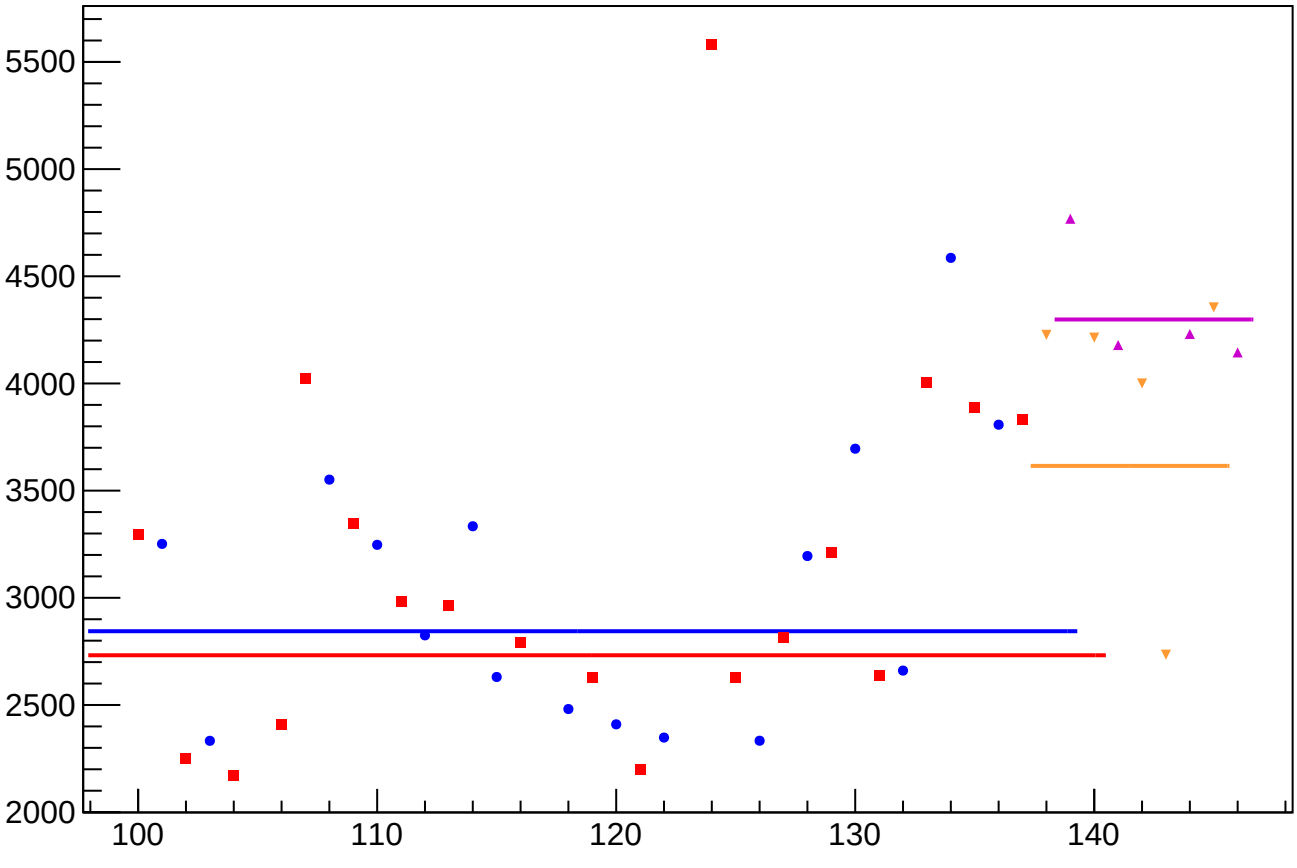
Left: -1858.704+/-1478.080 χ^2/NDF: 8.0/8

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 375.332+/-978.688 χ^2/NDF:15.9/19

Out: -802.034+/-902.417 χ^2/NDF:25.9/23

All: -261.010+/-663.433 χ^2/NDF: 42.6/43



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3615.444+/-1.364 χ^2/NDF:289438.8/4

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4298.514+/-1.626 χ^2/NDF:20657.1/3

Left: 3897.536+/-1.045 χ^2/NDF: 413644.7/8

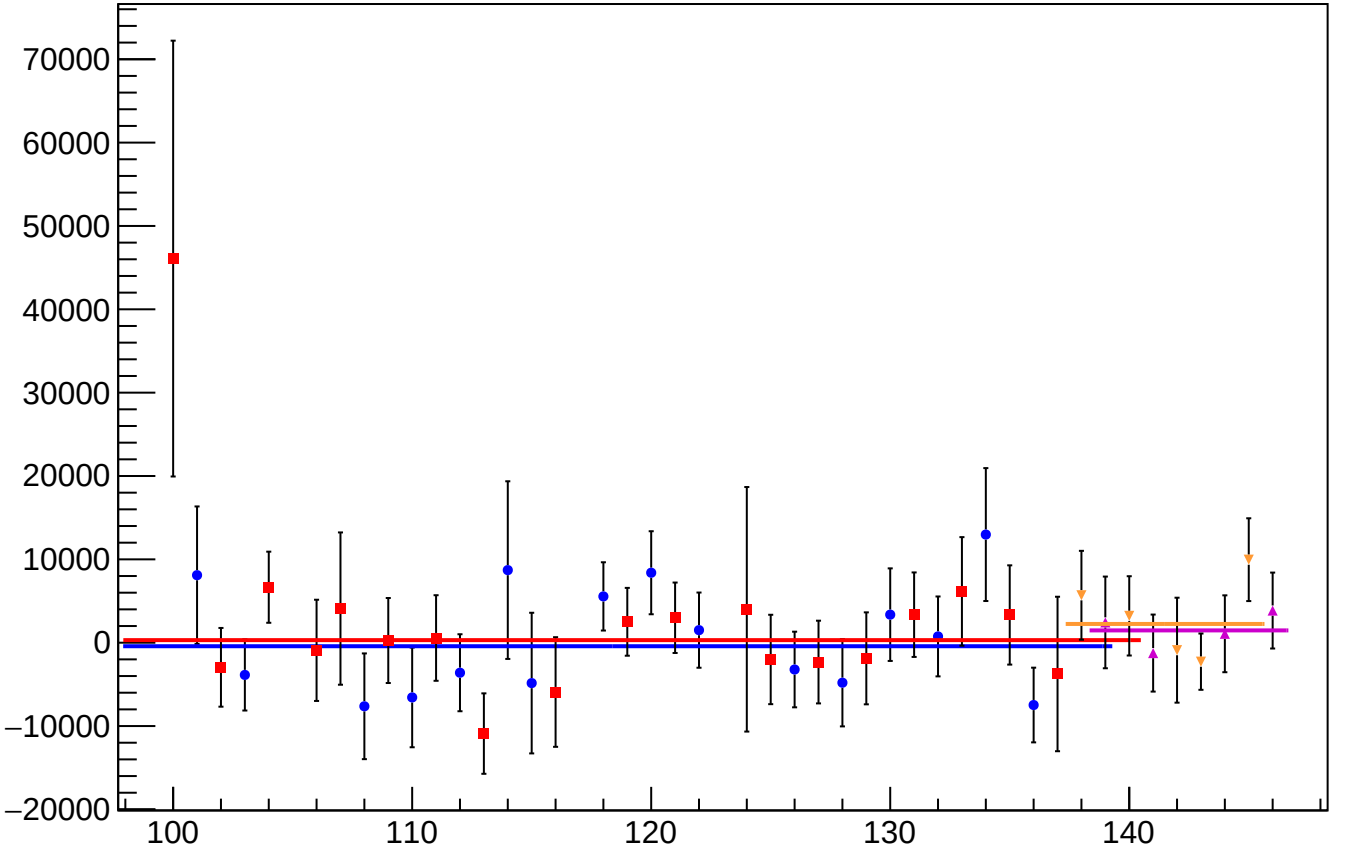
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3107.470+/-0.692 χ^2/NDF:1217573.7/19

Out: 2925.288+/-0.638 χ^2/NDF:1228376.0/23

All: 3009.004+/-0.469 χ^2/NDF: 2483407.0/43

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 2249.277+/-2072.102 χ^2/NDF:4.9/4

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 1475.200+/-2389.780 χ^2/NDF:0.7/3

Left: 1917.073+/-1565.554 χ^2/NDF: 5.6/8

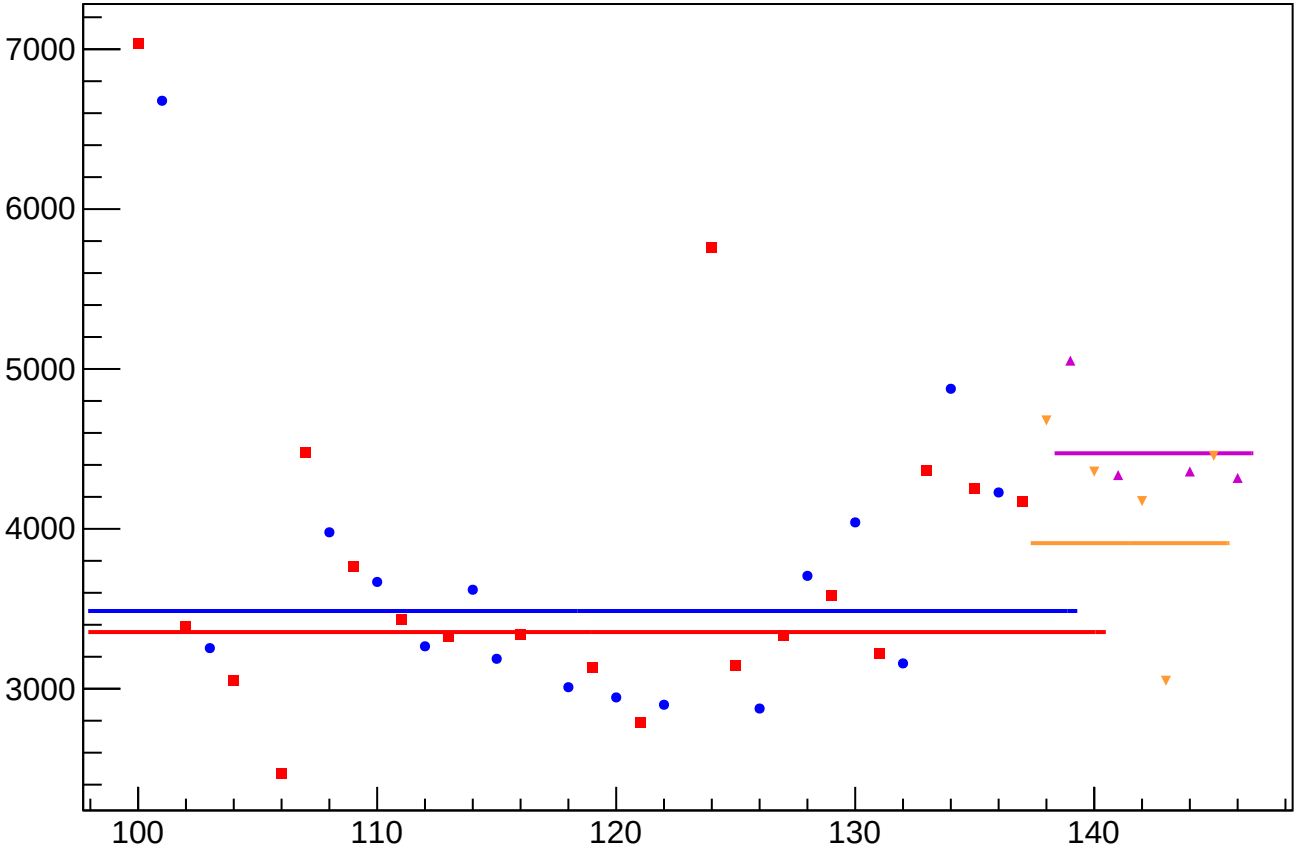
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 24.384+/-1160.314 χ^2/NDF:19.0/19

Out: 841.449+/-1086.340 χ^2/NDF:20.8/23

All: 459.790+/-793.021 χ^2/NDF: 40.1/43

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3910.622+/-1.465 χ^2/NDF:216870.8/4

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4472.727+/-1.690 χ^2/NDF:27461.0/3

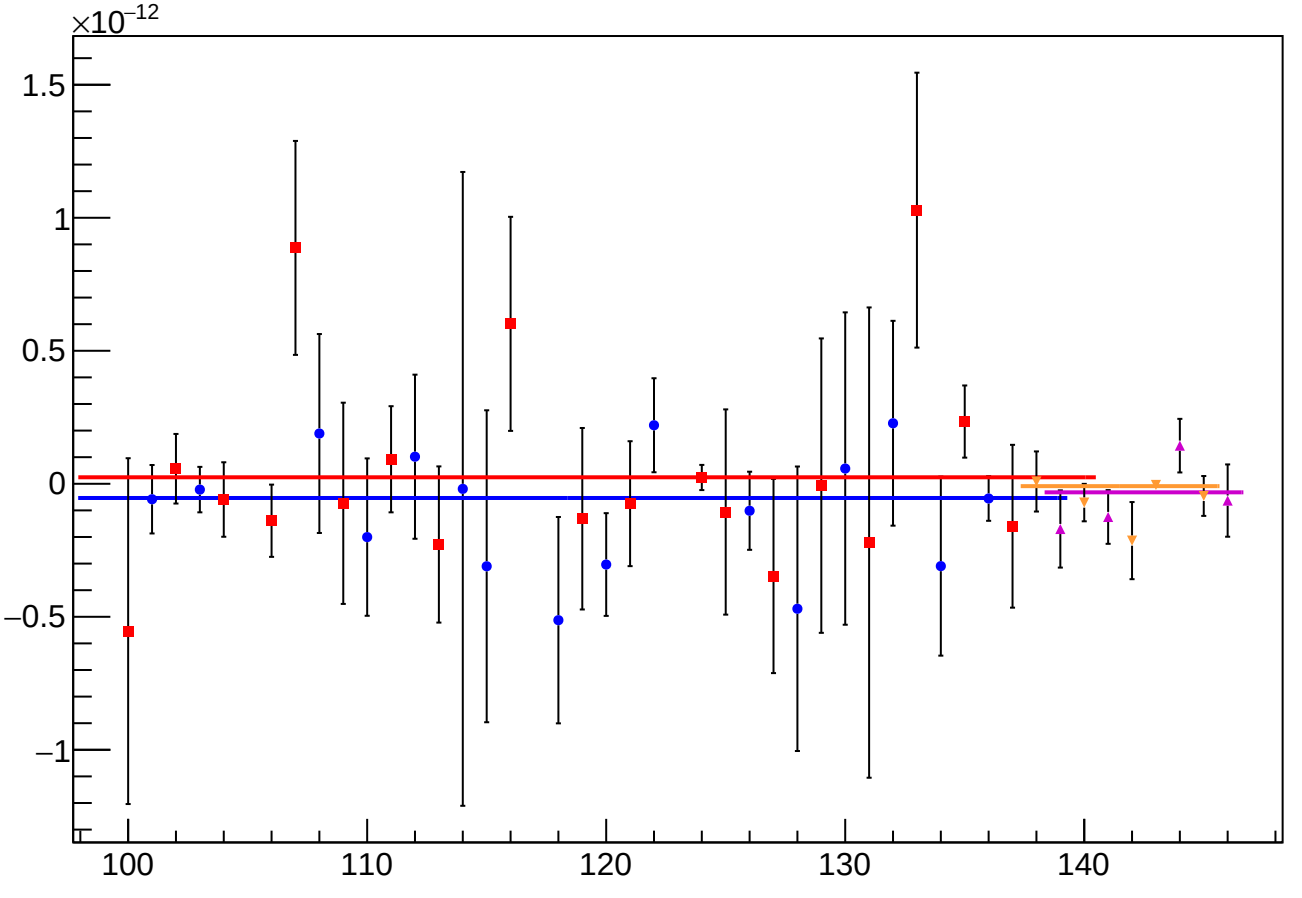
Left: 4151.855+/-1.107 χ^2/NDF: 307494.9/8

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3718.739+/-0.820 χ^2/NDF:883748.6/19

Out: 3504.209+/-0.760 χ^2/NDF:698591.0/23

All: 3603.327+/-0.558 χ^2/NDF: 1619120.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/4

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

Left In: -0.000+/-0.000 χ^2/NDF:4.8/3

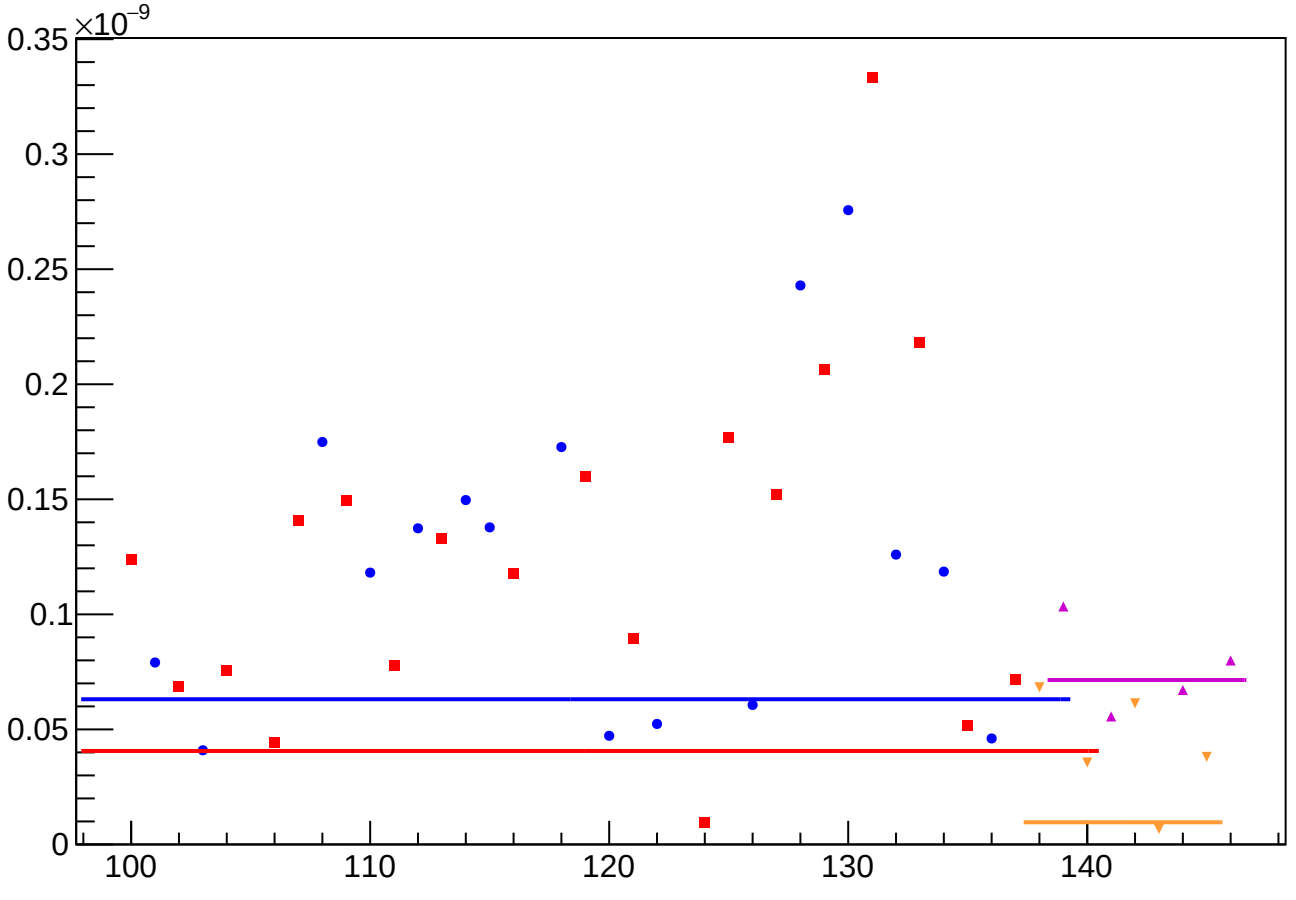
Left: -0.000+/-0.000 χ^2/NDF: 8.1/8

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:13.5/19

Out: -0.000+/-0.000 χ^2/NDF:22.3/23

All: -0.000+/-0.000 χ^2/NDF: 37.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1453252.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:157777.7/3

Left: 0.000+/-0.000 χ^2/NDF: 3790359.3/8

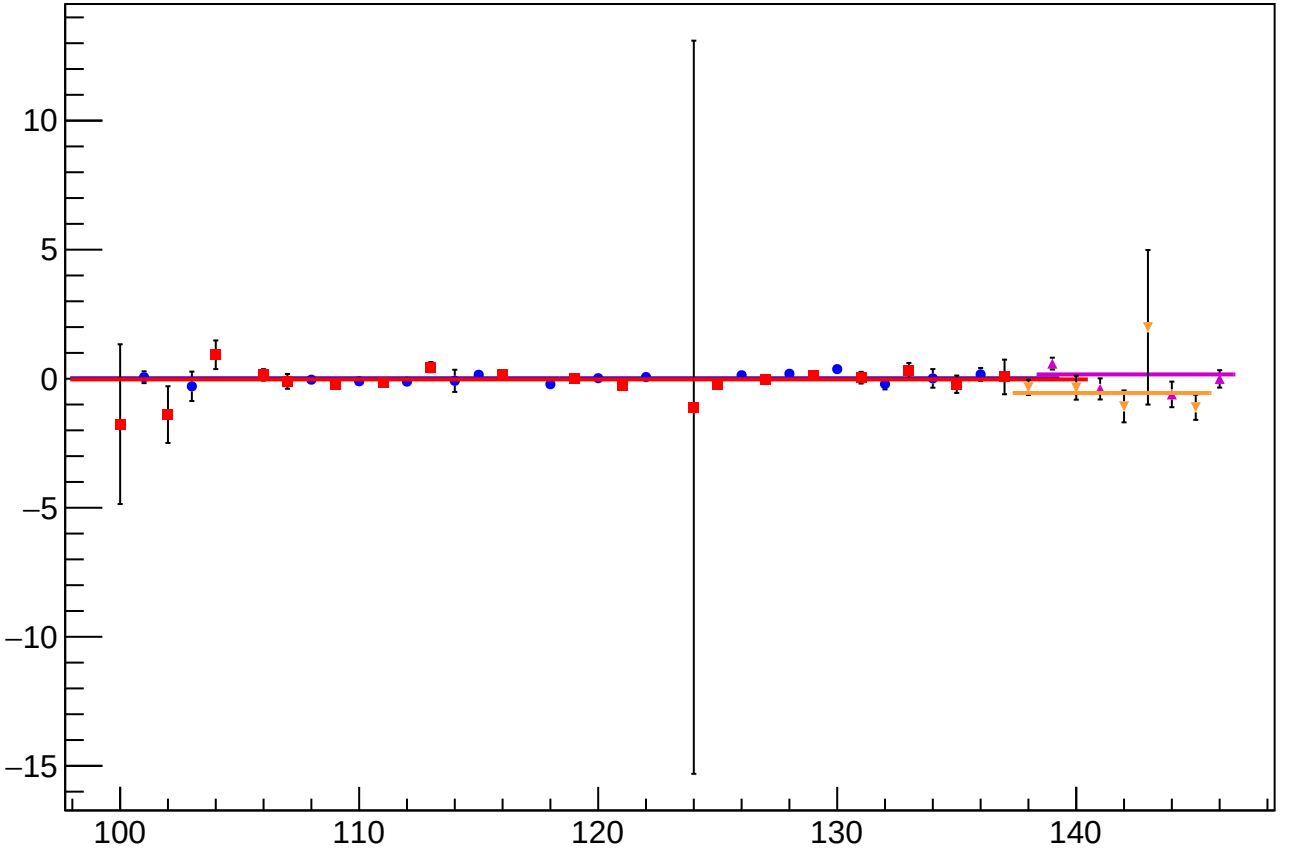
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1615956.3/19

Out: 0.000+/-0.000 χ^2/NDF:5968293.4/23

All: 0.000+/-0.000 χ^2/NDF: 11688457.2/43

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.551+/-0.208 χ^2/NDF:3.5/4

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.166+/-0.162 χ^2/NDF:7.9/3

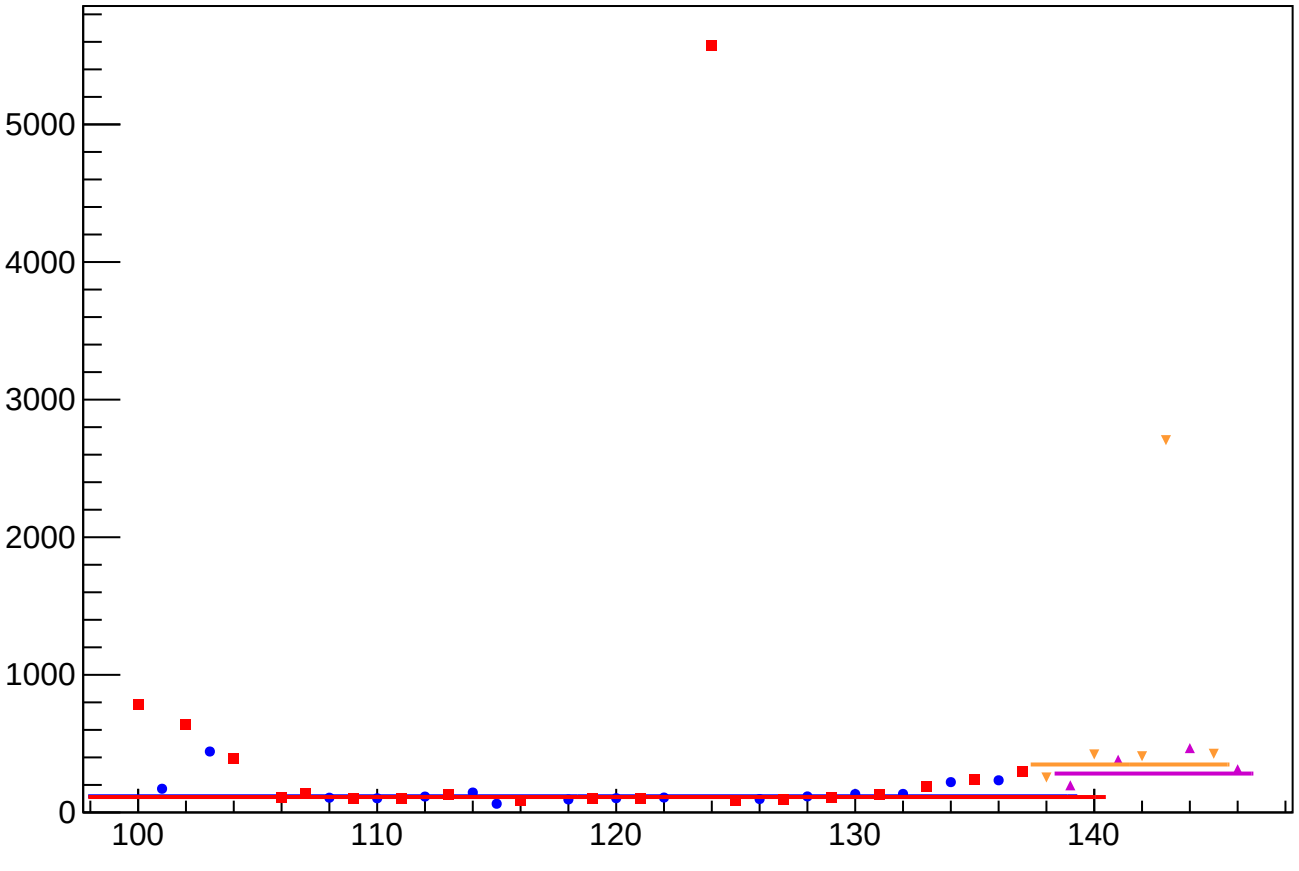
Left: -0.105+/-0.128 χ^2/NDF: 18.8/8

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.046 χ^2/NDF:20.5/19

Out: -0.051+/-0.046 χ^2/NDF:31.6/23

All: -0.012+/-0.032 χ^2/NDF: 53.6/43



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 348.581+/-0.147 χ^2/NDF:1563270.4/4

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 282.669+/-0.115 χ^2/NDF:695492.5/3

Left: 307.615+/-0.091 χ^2/NDF: 2383308.3/8

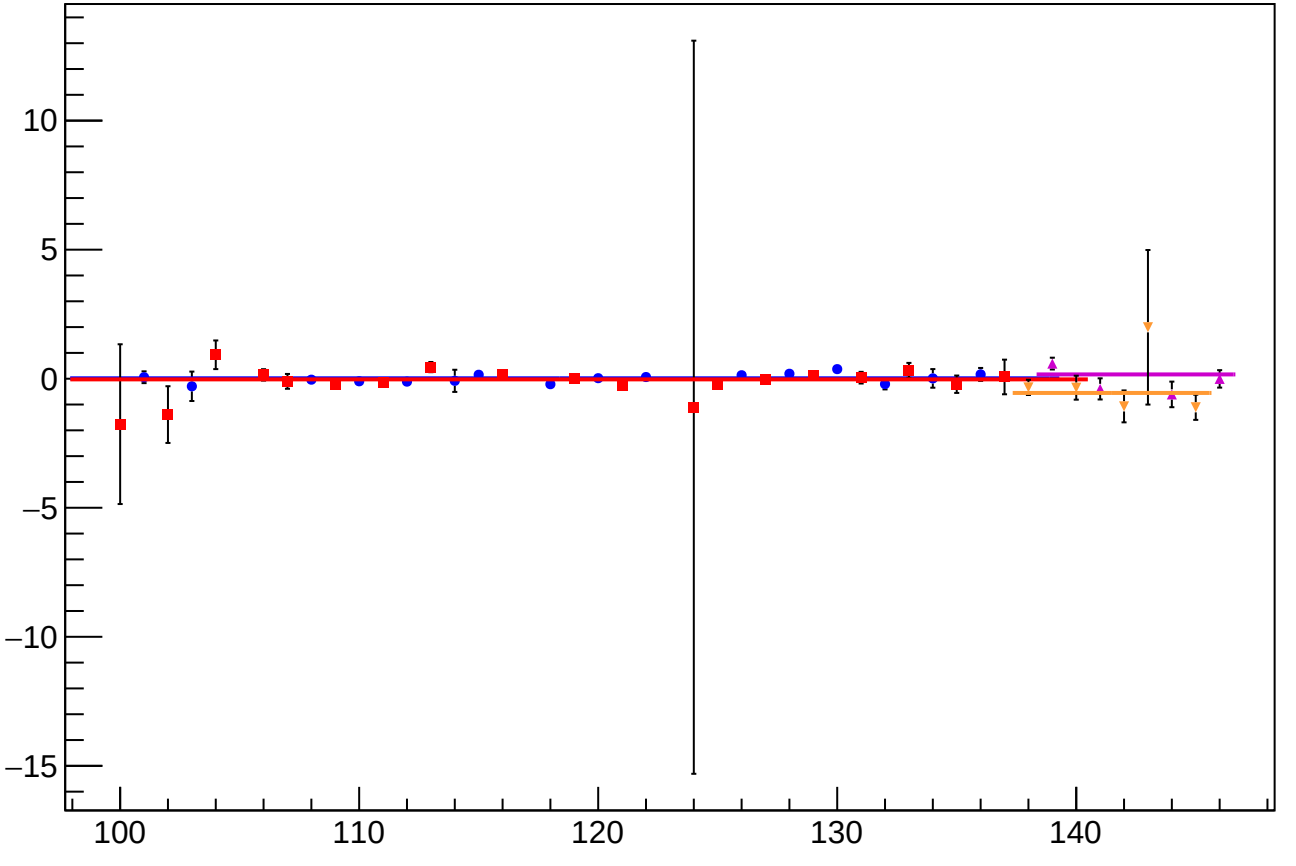
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 130.839+/-0.032 χ^2/NDF:4315742.7/19

Out: 123.514+/-0.032 χ^2/NDF:6204382.8/23

All: 127.157+/-0.023 χ^2/NDF: 10545687.2/43

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: -0.551+/-0.208 χ^2/NDF:3.5/4

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.166+/-0.162 χ^2/NDF:7.9/3

Left: -0.105+/-0.128 χ^2/NDF: 18.8/8

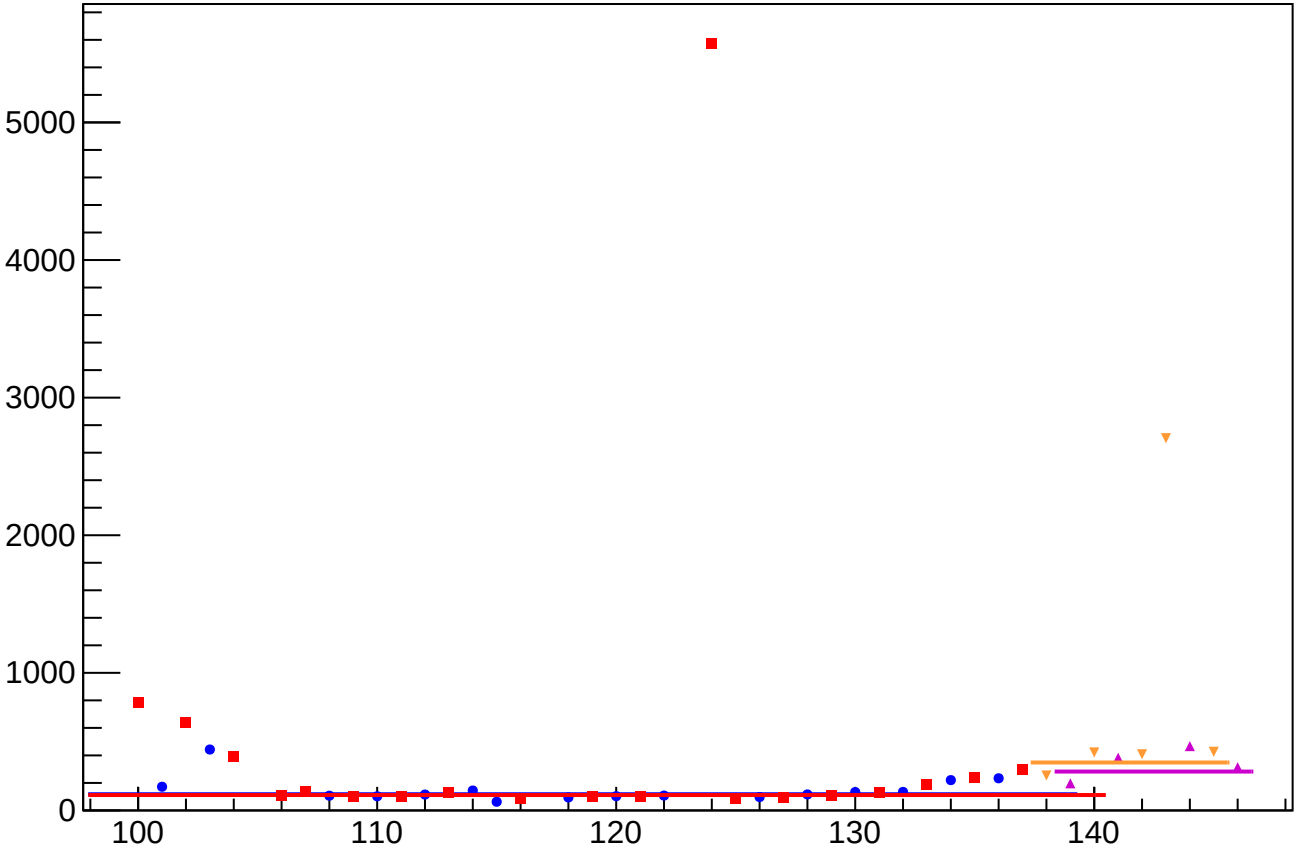
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.046 χ^2/NDF:20.5/19

Out: -0.051+/-0.046 χ^2/NDF:31.6/23

All: -0.012+/-0.032 χ^2/NDF: 53.6/43

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 348.581+/-0.147 χ^2/NDF:1563270.4/4

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 282.669+/-0.115 χ^2/NDF:695492.5/3

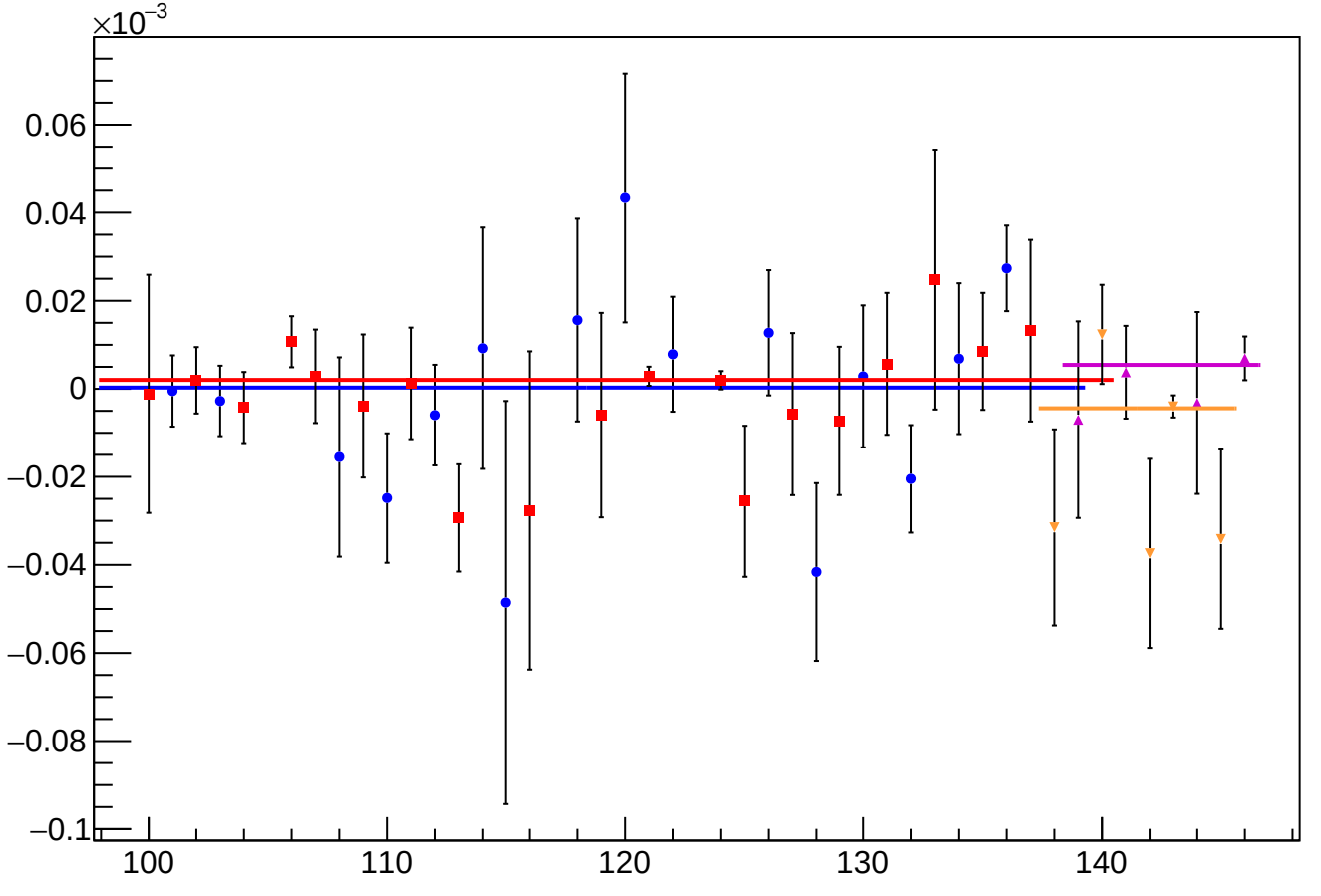
Left: 307.615+/-0.091 χ^2/NDF: 2383308.3/8

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 130.839+/-0.032 χ^2/NDF:4315742.7/19

Out: 123.514+/-0.032 χ^2/NDF:6204382.8/23

All: 127.157+/-0.023 χ^2/NDF: 10545687.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

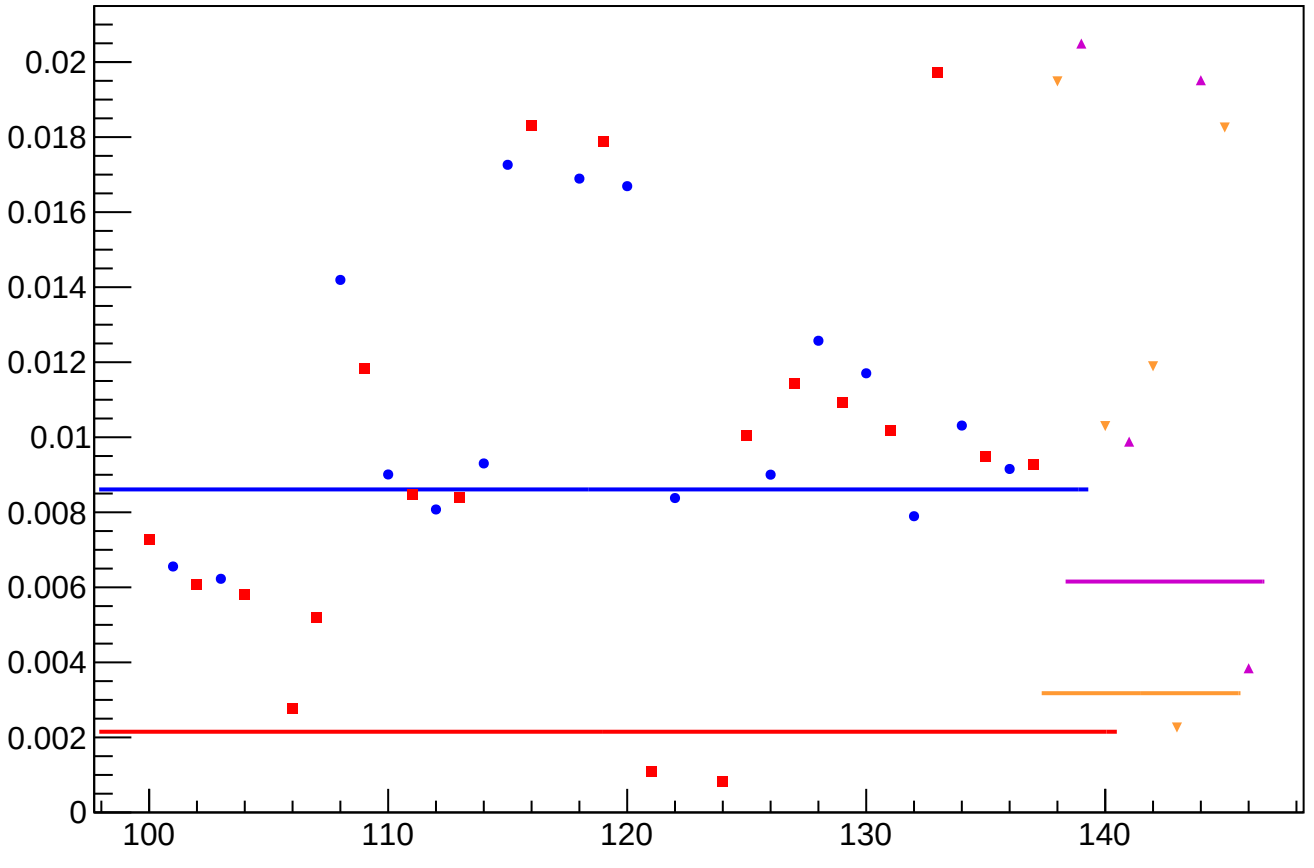
Left: -0.000+/-0.000 χ^2/NDF: 12.8/8

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: 0.000+/-0.000 χ^2/NDF:25.6/19

Out: 0.000+/-0.000 χ^2/NDF:28.5/23

All: 0.000+/-0.000 χ^2/NDF: 54.4/43



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:3562882.7/4

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.006+/-0.000 χ^2/NDF:2343866.9/3

Left: 0.004+/-0.000 χ^2/NDF: 6633459.2/8

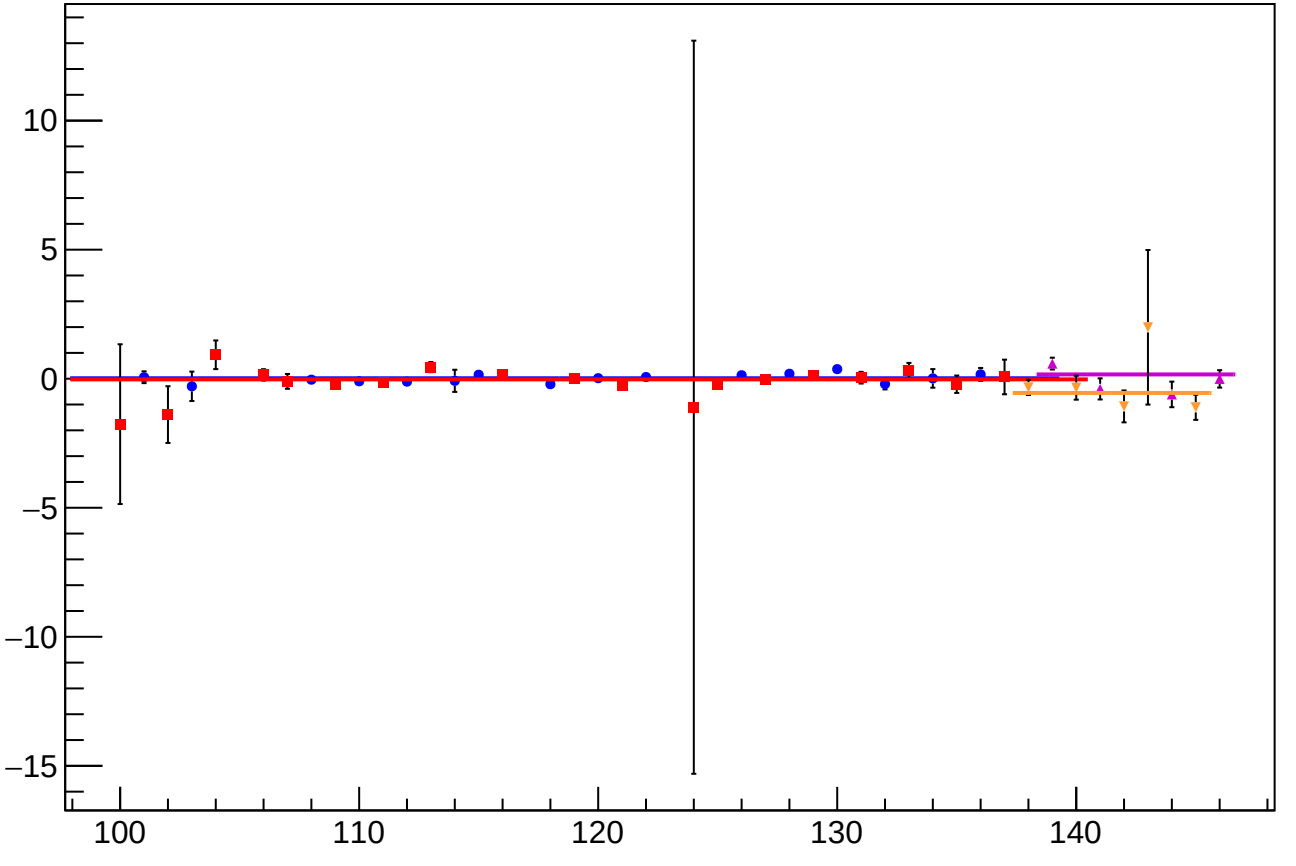
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.008+/-0.000 χ^2/NDF:3860743.0/19

Out: 0.002+/-0.000 χ^2/NDF:12927904.5/23

All: 0.003+/-0.000 χ^2/NDF: 23414163.7/43

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: -0.551+/-0.208 χ^2/NDF:3.5/4

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.166+/-0.162 χ^2/NDF:7.9/3

Left: -0.105+/-0.128 χ^2/NDF: 18.8/8

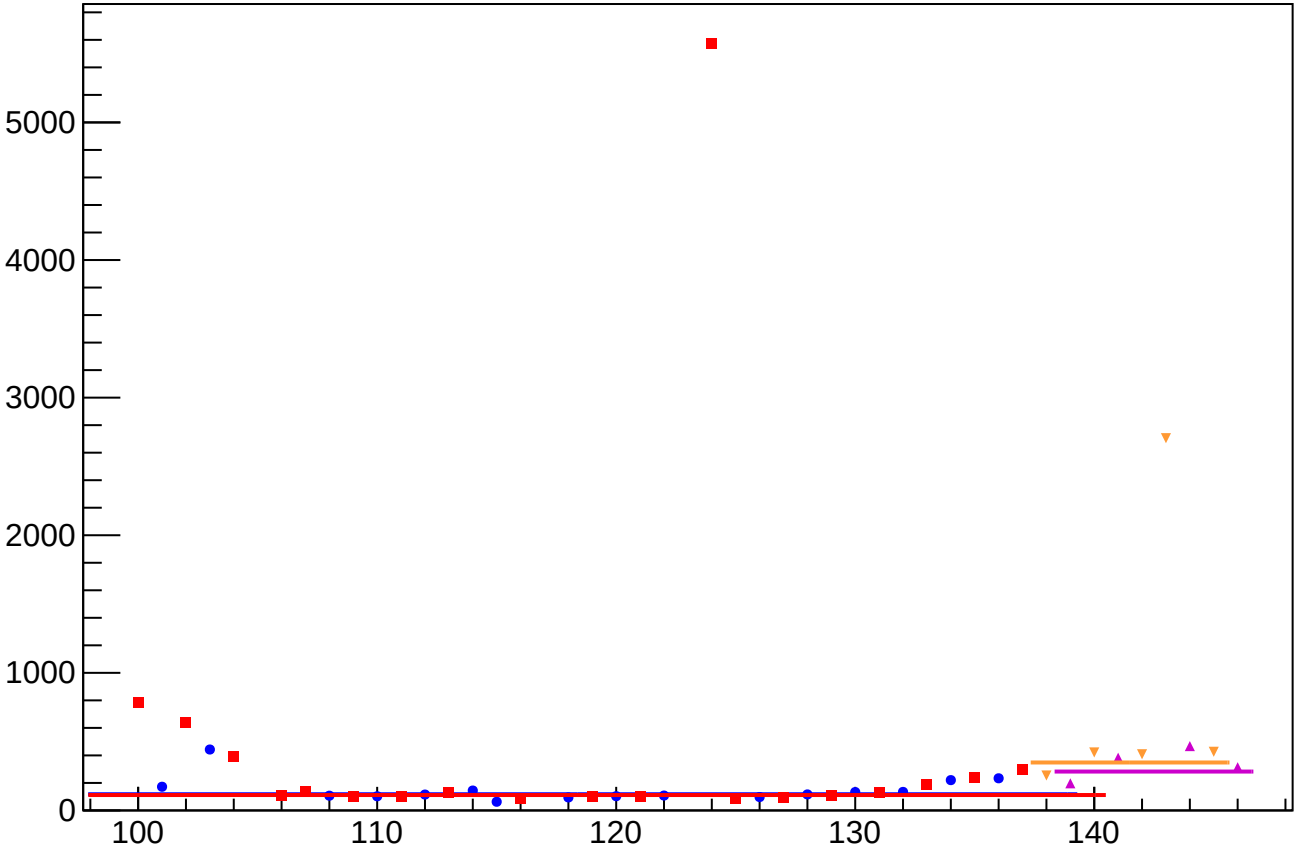
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.046 χ^2/NDF:20.5/19

Out: -0.051+/-0.046 χ^2/NDF:31.6/23

All: -0.012+/-0.032 χ^2/NDF: 53.6/43

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 348.586+/-0.147 χ^2/NDF:1563278.7/4

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 282.674+/-0.115 χ^2/NDF:695478.3/3

Left: 307.620+/-0.091 χ^2/NDF: 2383299.9/8

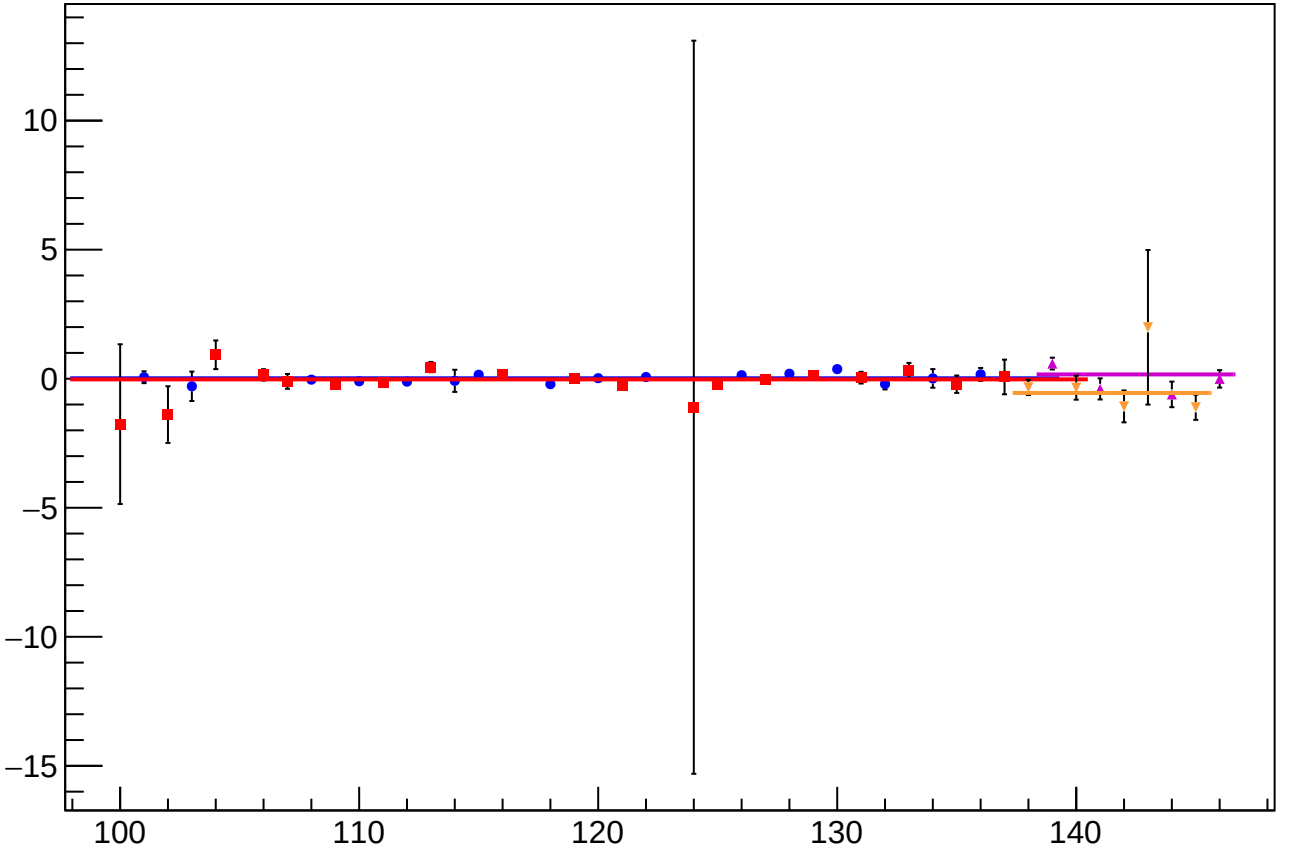
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 130.839+/-0.032 χ^2/NDF:4315745.2/19

Out: 123.515+/-0.032 χ^2/NDF:6204321.2/23

All: 127.158+/-0.023 χ^2/NDF: 10545615.7/43

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: -0.551+/-0.208 χ^2/NDF:3.5/4

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.166+/-0.162 χ^2/NDF:7.9/3

Left: -0.105+/-0.128 χ^2/NDF: 18.8/8

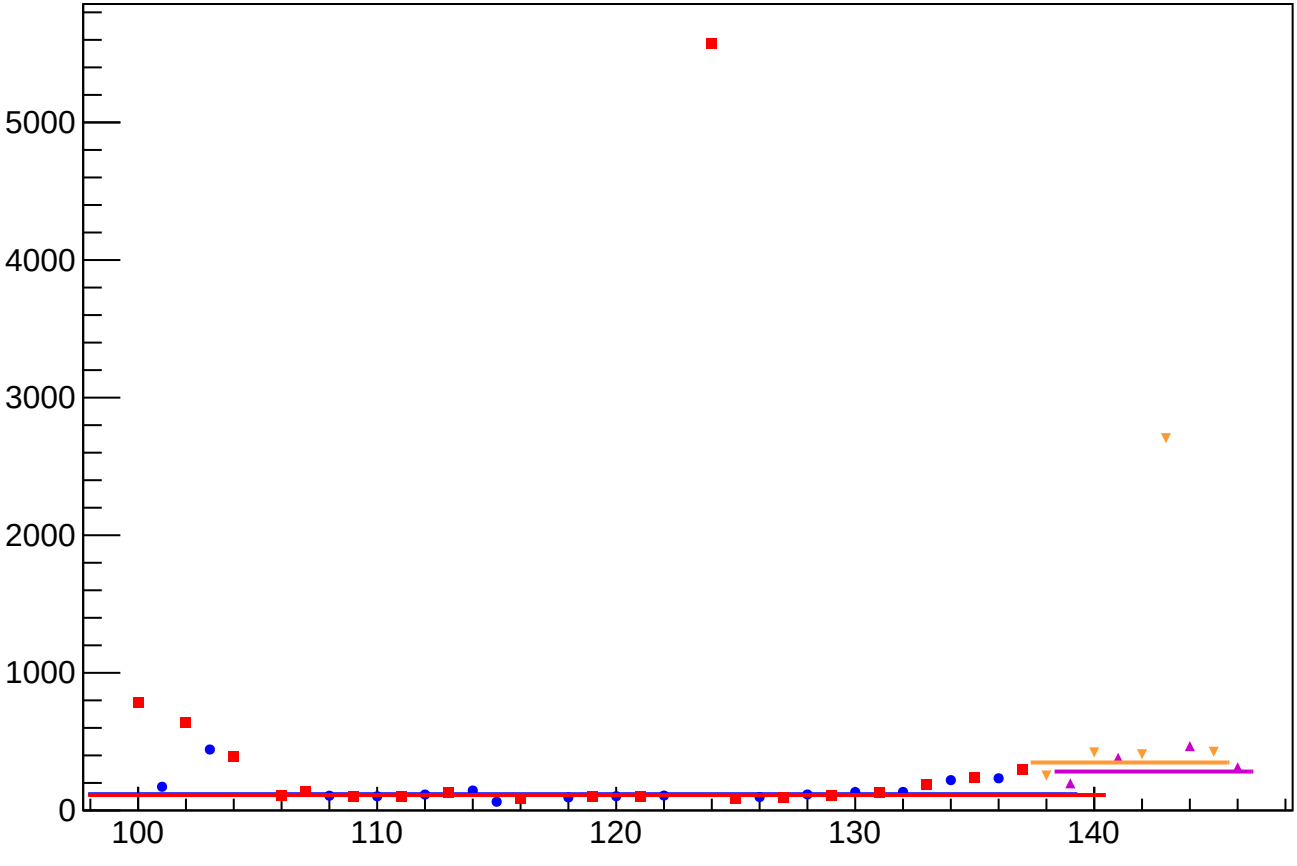
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.046 χ^2/NDF:20.5/19

Out: -0.051+/-0.046 χ^2/NDF:31.6/23

All: -0.012+/-0.032 χ^2/NDF: 53.6/43

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: 348.586+/-0.147 χ^2/NDF:1563278.7/4

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 282.674+/-0.115 χ^2/NDF:695478.3/3

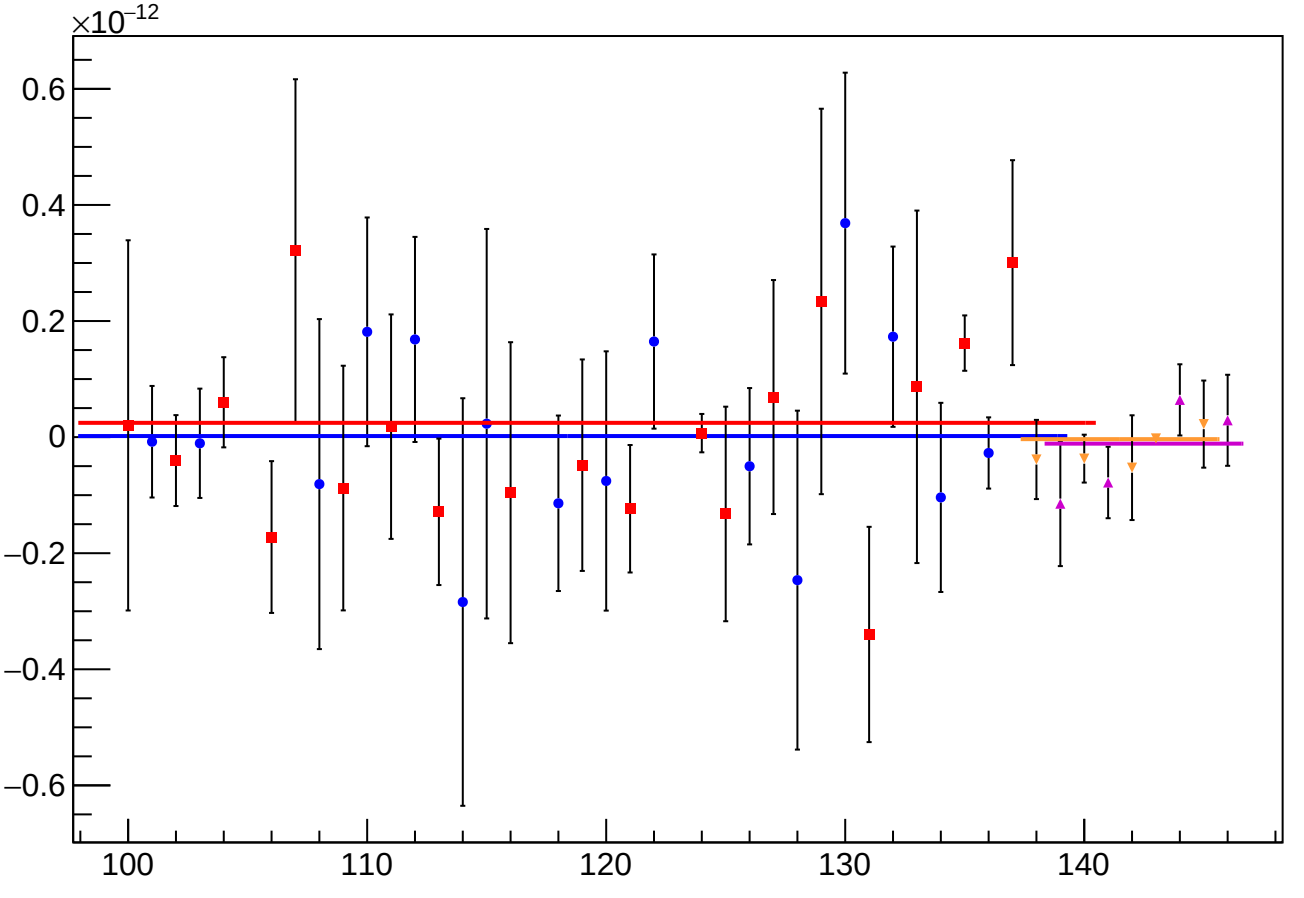
Left: 307.620+/-0.091 χ^2/NDF: 2383299.9/8

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 130.839+/-0.032 χ^2/NDF:4315745.2/19

Out: 123.515+/-0.032 χ^2/NDF:6204321.2/23

All: 127.158+/-0.023 χ^2/NDF: 10545615.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/3

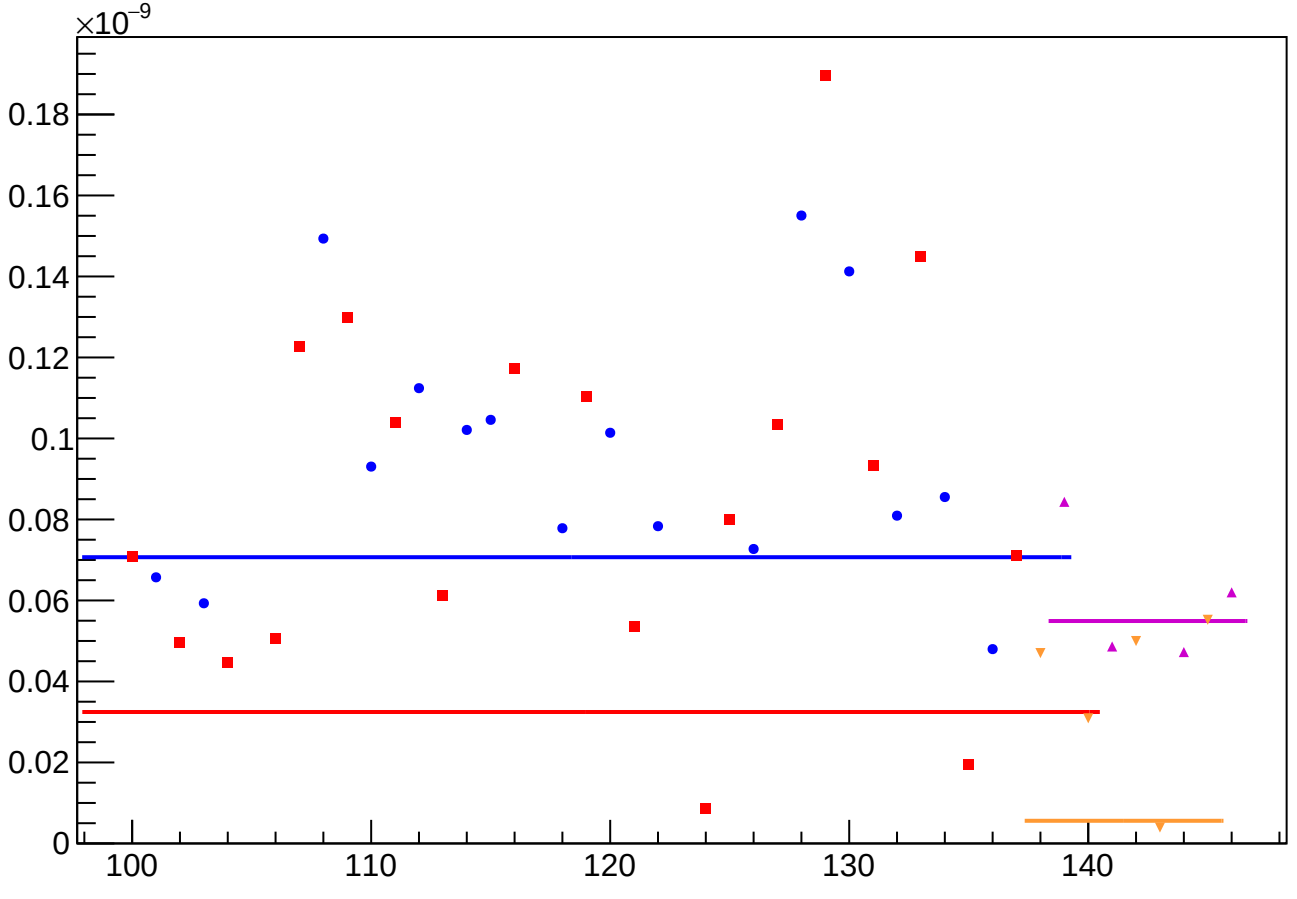
Left: -0.000+/-0.000 χ^2/NDF: 5.3/8

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:13.1/19

Out: -0.000+/-0.000 χ^2/NDF:27.2/23

All: -0.000+/-0.000 χ^2/NDF: 40.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2974191.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:218205.3/3

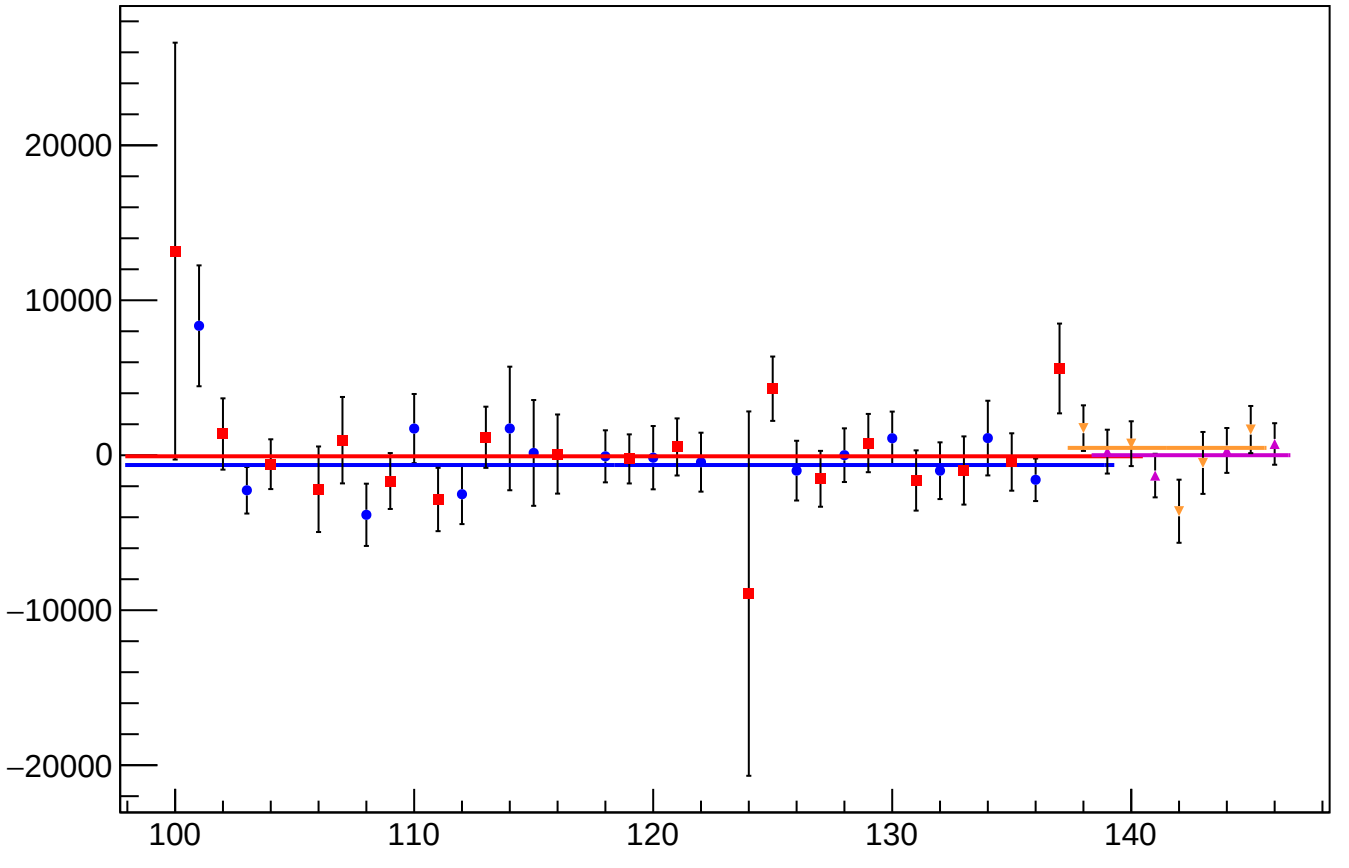
Left: 0.000+/-0.000 χ^2/NDF: 6861767.0/8

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1442888.4/19

Out: 0.000+/-0.000 χ^2/NDF:10255805.2/23

All: 0.000+/-0.000 χ^2/NDF: 21039352.1/43



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.644+/-732.595 χ^2/NDF:5.7/4

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 2.449+/-700.312 χ^2/NDF:1.2/3

Left: 227.913+/-506.224 χ^2/NDF: 7.1/8

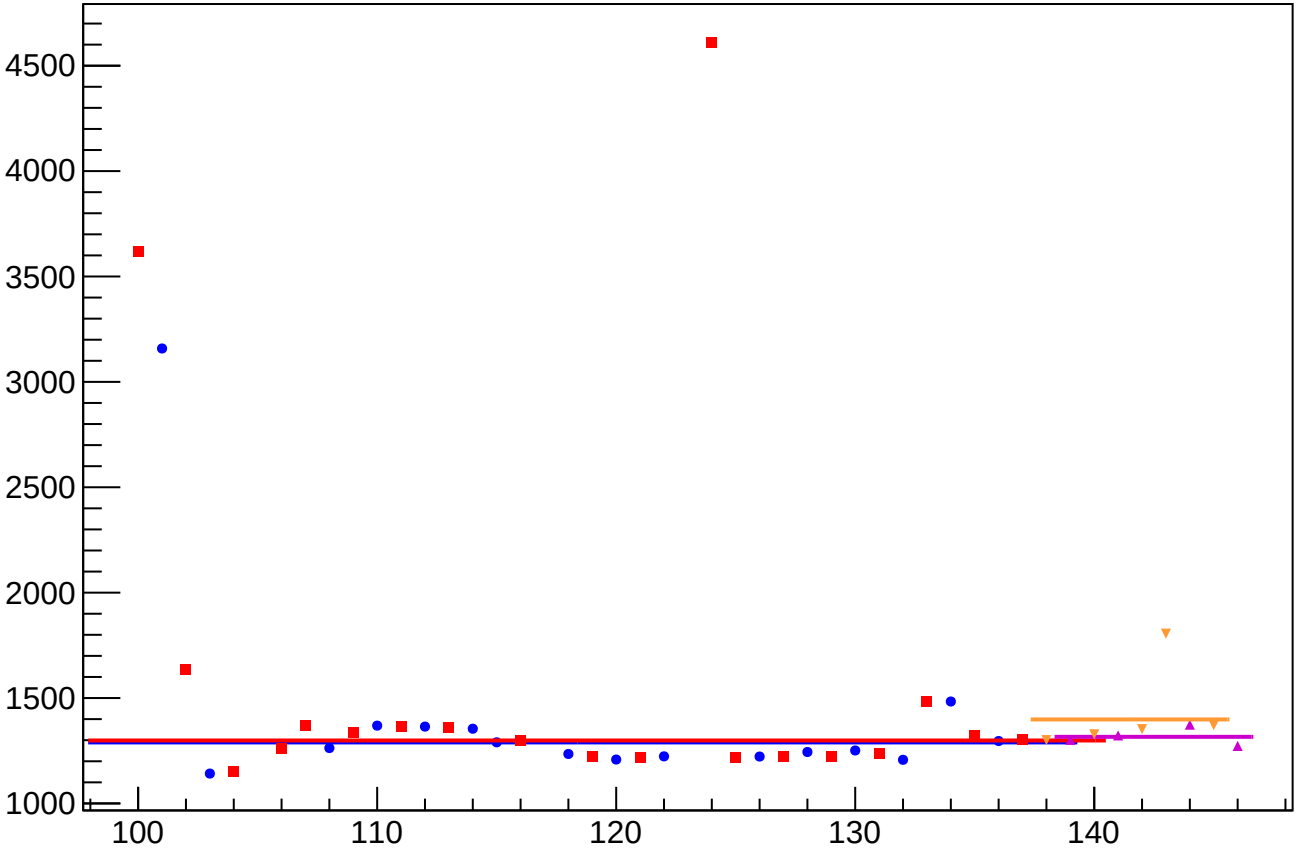
Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -423.600+/-400.746 χ^2/NDF:15.7/19

Out: 98.914+/-406.004 χ^2/NDF:21.9/23

All: -165.748+/-285.211 χ^2/NDF: 38.4/43

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

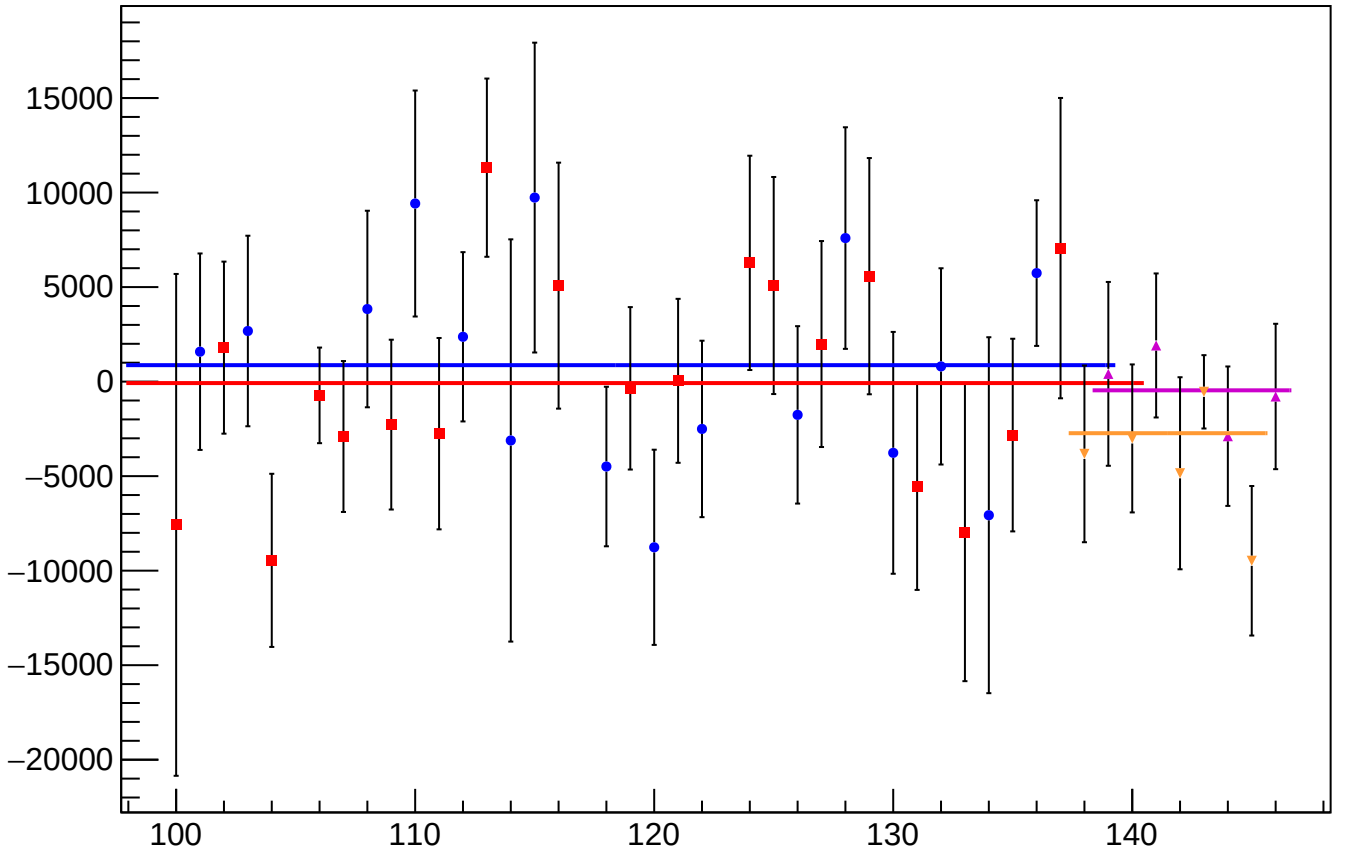
Left: 1355.350+/-0.358 χ^2/NDF: 116949.6/8

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1298.143+/-0.283 χ^2/NDF:522091.3/19

Out: 1329.195+/-0.287 χ^2/NDF:443340.7/23

All: 1313.495+/-0.201 χ^2/NDF: 971368.6/43



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2728.713+/-1444.041 χ^2/NDF:4.4/4

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -460.950+/-1990.507 χ^2/NDF:0.9/3

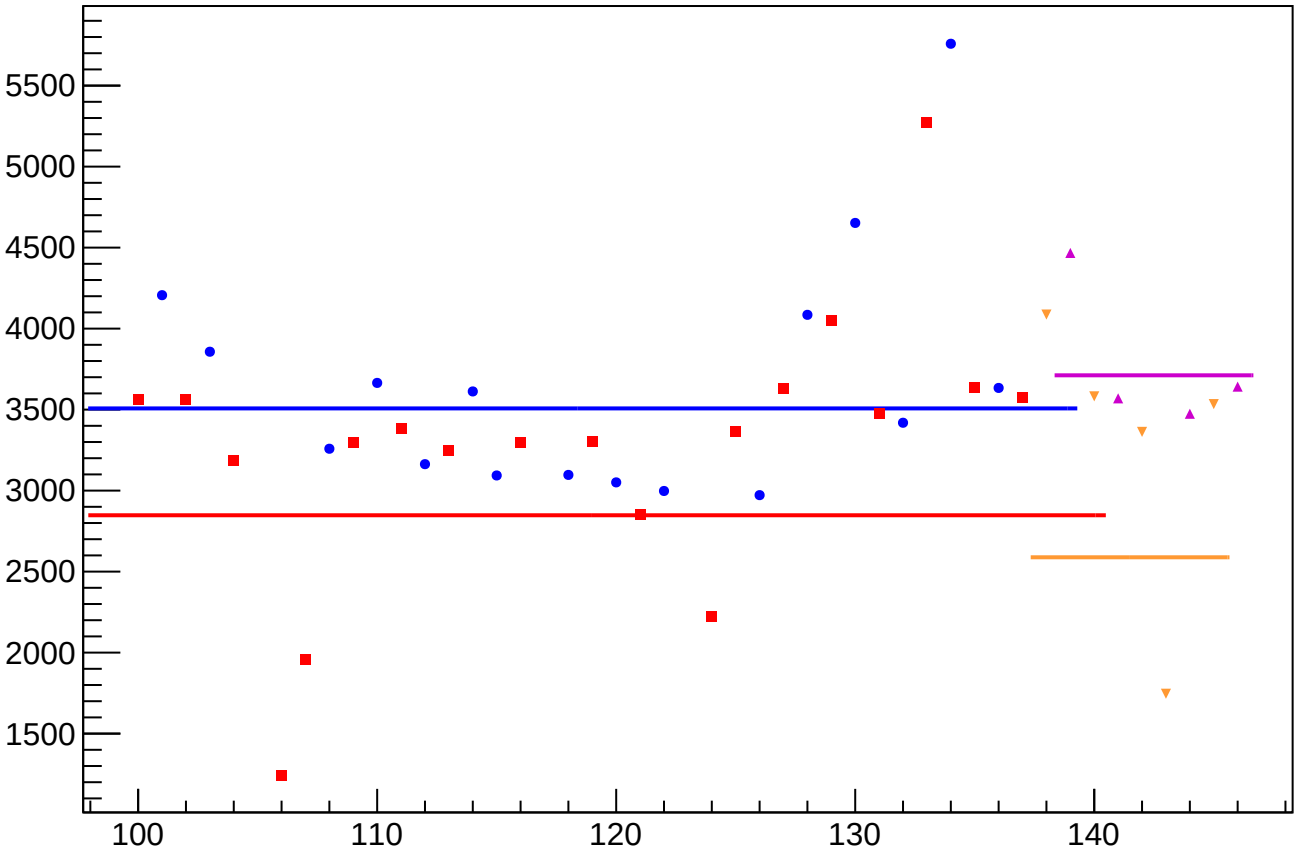
Left: -1946.743+/-1168.853 χ^2/NDF: 6.1/8

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 461.419+/-1103.139 χ^2/NDF:15.2/19

Out: -1063.275+/-880.583 χ^2/NDF:24.9/23

All: -469.859+/-688.207 χ^2/NDF: 41.3/43



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2588.366+/-1.021 χ^2/NDF:872391.5/4

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3711.715+/-1.408 χ^2/NDF:60010.5/3

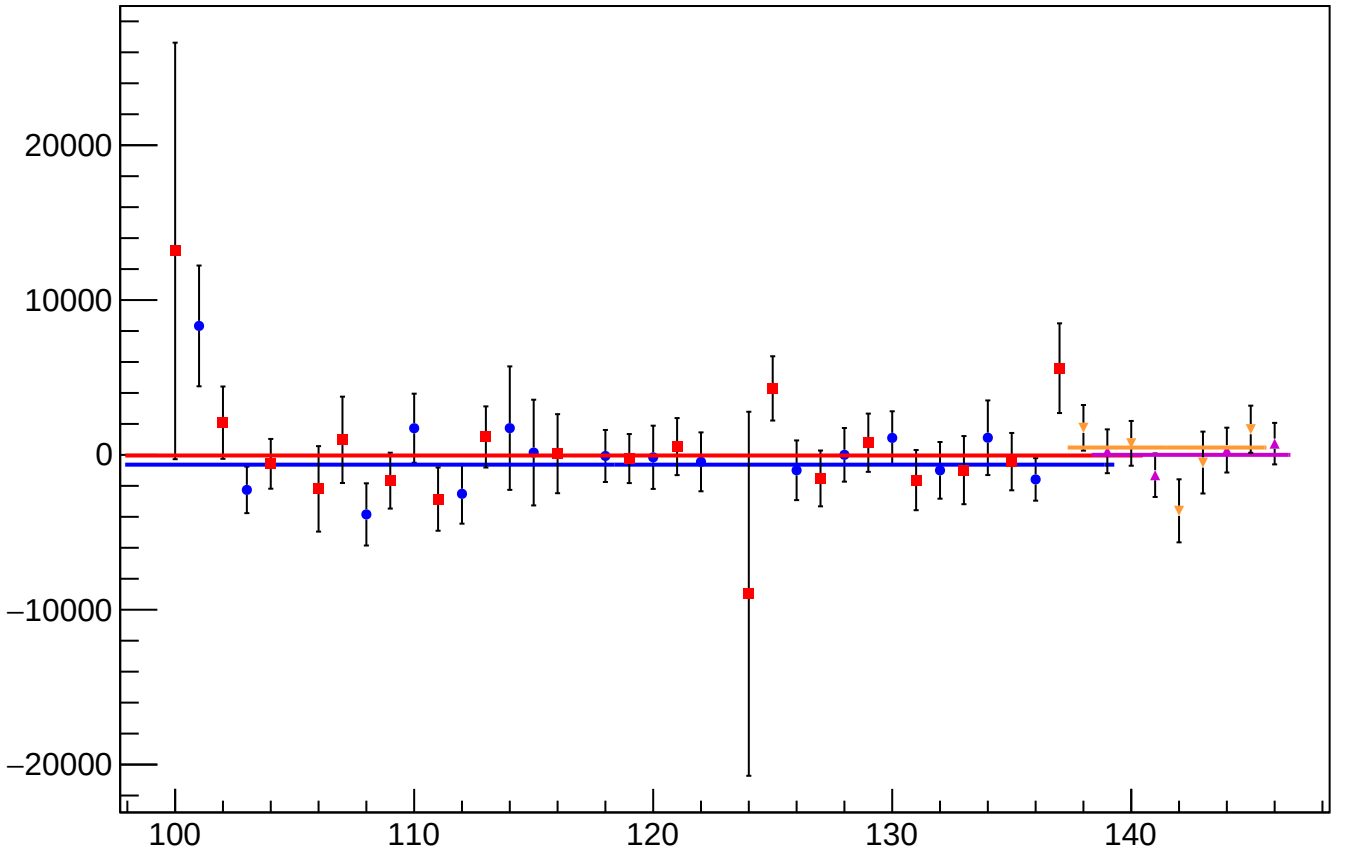
Left: 2975.719+/-0.827 χ^2/NDF: 1349745.2/8

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3570.151+/-0.780 χ^2/NDF:428590.0/19

Out: 2751.347+/-0.623 χ^2/NDF:2412324.4/23

All: 3070.028+/-0.487 χ^2/NDF: 3513931.2/43



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.679+/-732.595 χ^2/NDF:5.7/4

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 2.427+/-700.312 χ^2/NDF:1.2/3

Left: 227.919+/-506.224 χ^2/NDF: 7.1/8

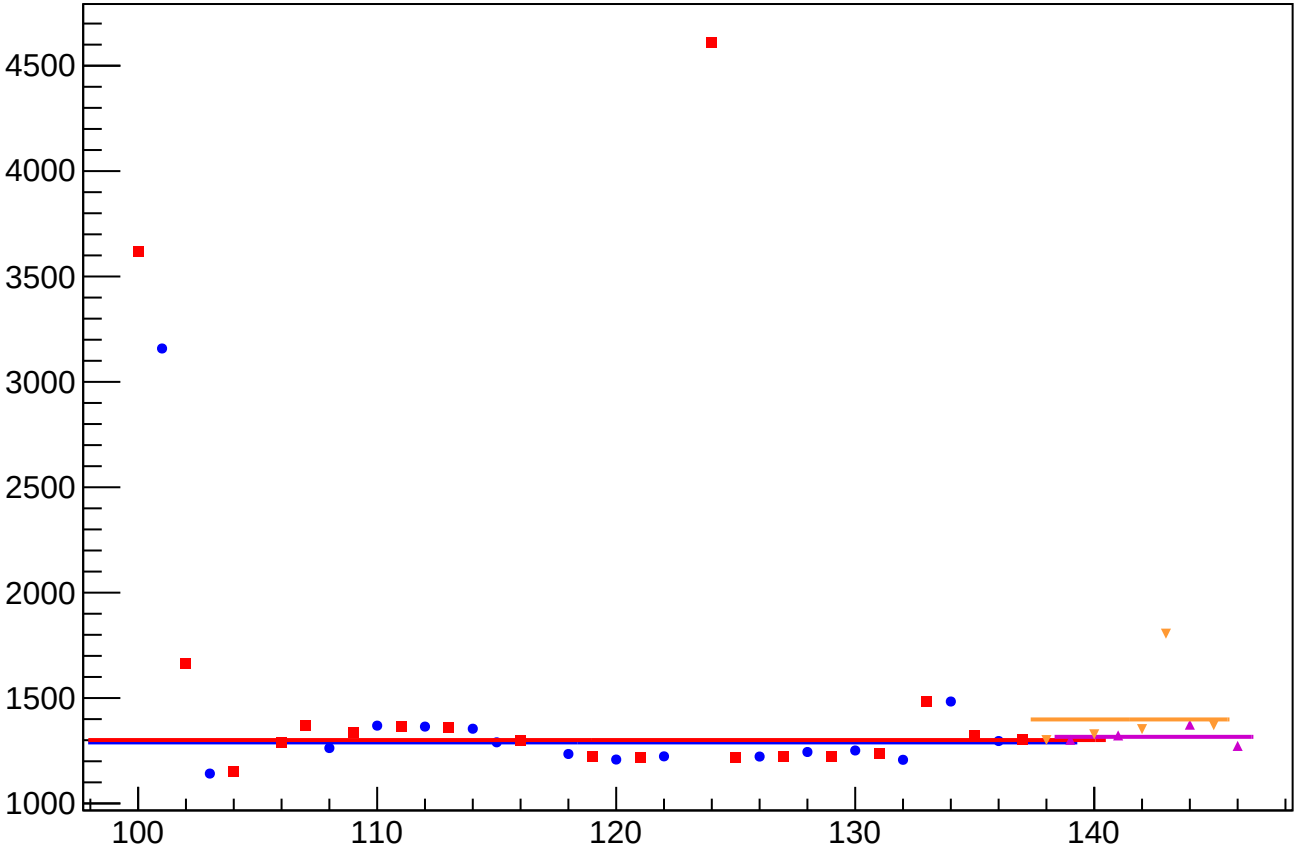
Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -423.866+/-400.746 χ^2/NDF:15.7/19

Out: 119.176+/-406.191 χ^2/NDF:22.3/23

All: -156.009+/-285.276 χ^2/NDF: 38.9/43

cor_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

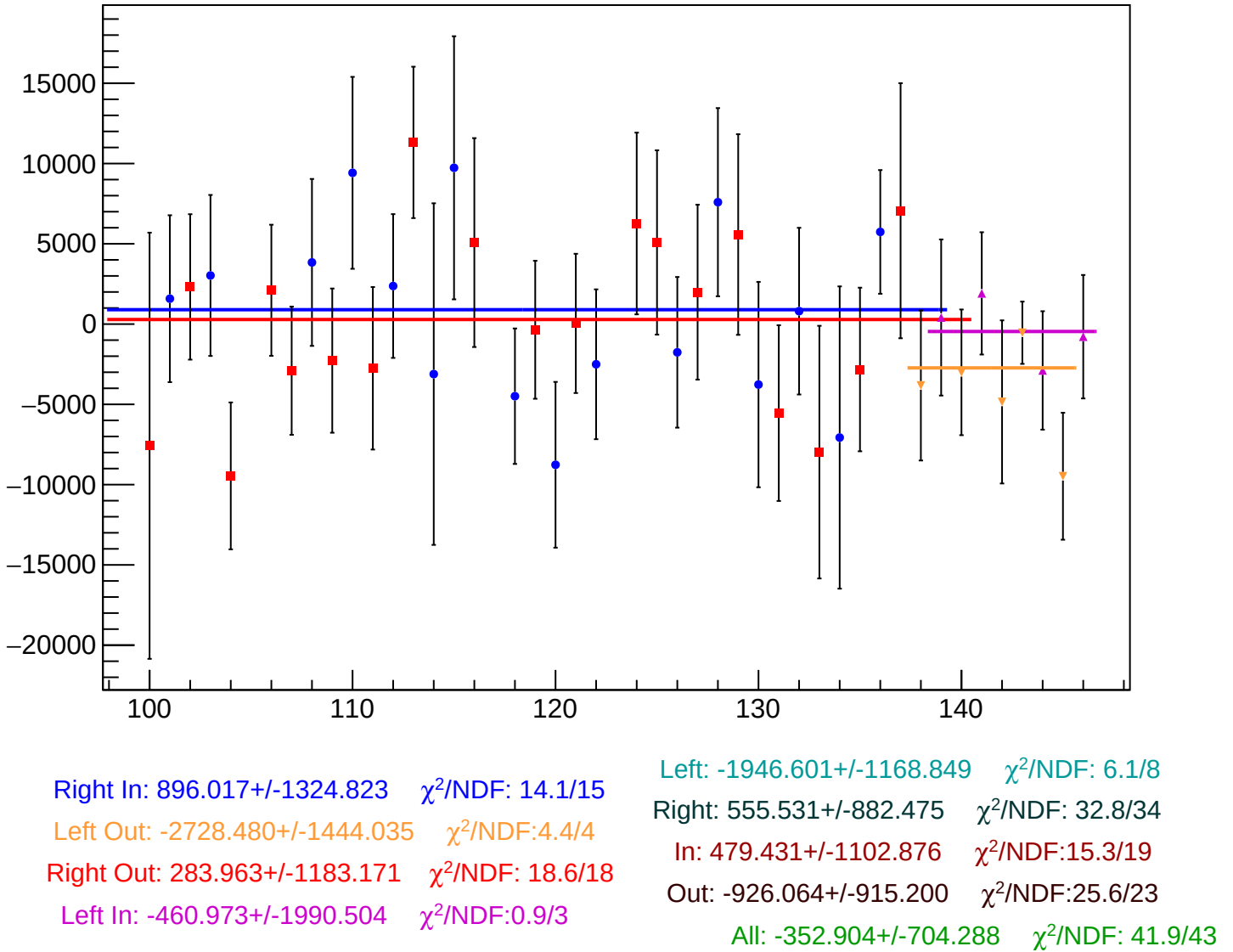
Left: 1355.350+/-0.358 χ^2/NDF: 116949.6/8

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

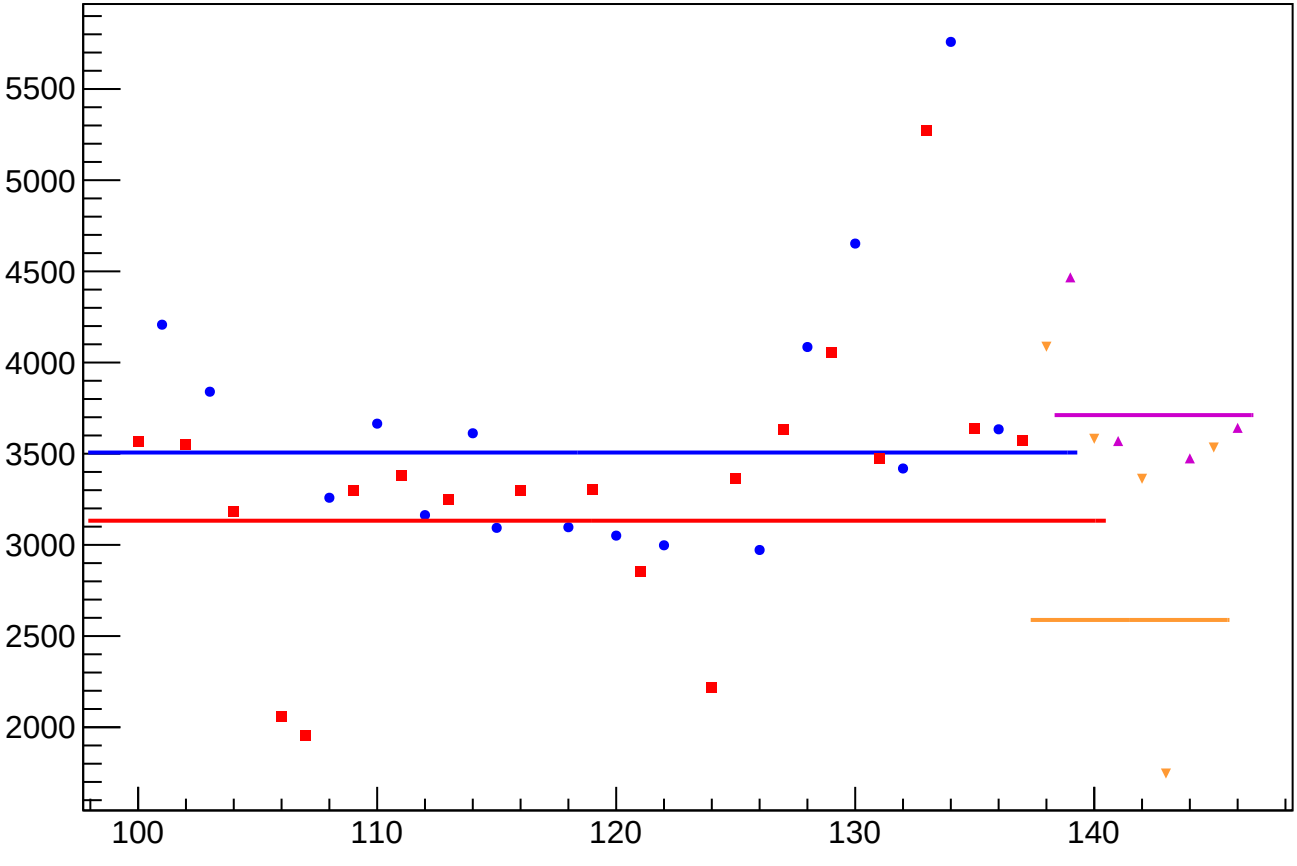
In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1330.662+/-0.287 χ^2/NDF:448815.4/23

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2728.480+/-1444.035 χ²/NDF:4.4/4
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -460.973+/-1990.504 χ²/NDF:0.9/3
Left: -1946.601+/-1168.849 χ²/NDF: 6.1/8
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 479.431+/-1102.876 χ²/NDF:15.3/19
Out: -926.064+/-915.200 χ²/NDF:25.6/23
All: -352.904+/-704.288 χ²/NDF: 41.9/43

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

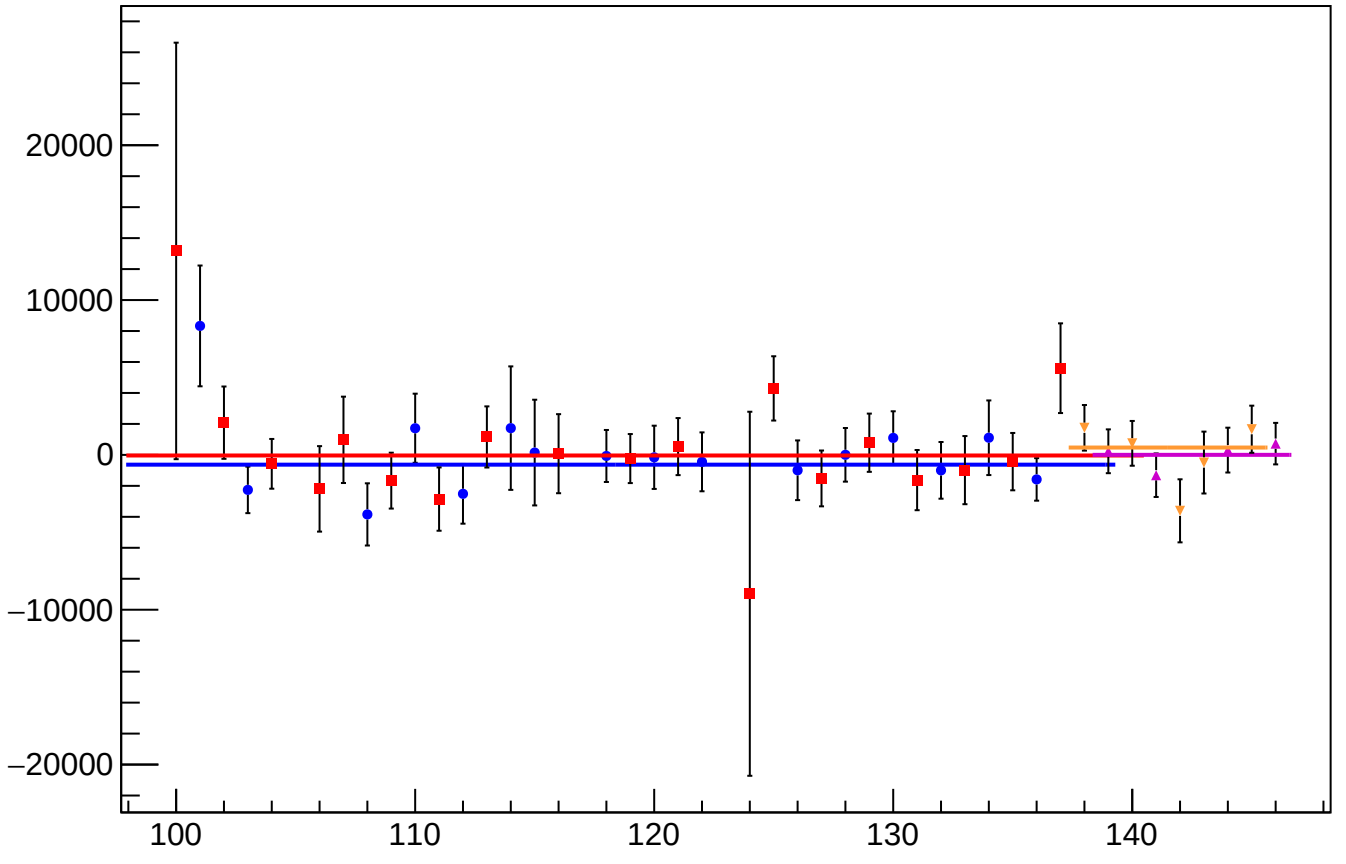
Left: 2975.708+/-0.827 χ^2/NDF: 1349763.2/8

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2913.981+/-0.647 χ^2/NDF:1691987.4/23

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.679+/-732.595 χ^2/NDF:5.7/4

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 2.427+/-700.312 χ^2/NDF:1.2/3

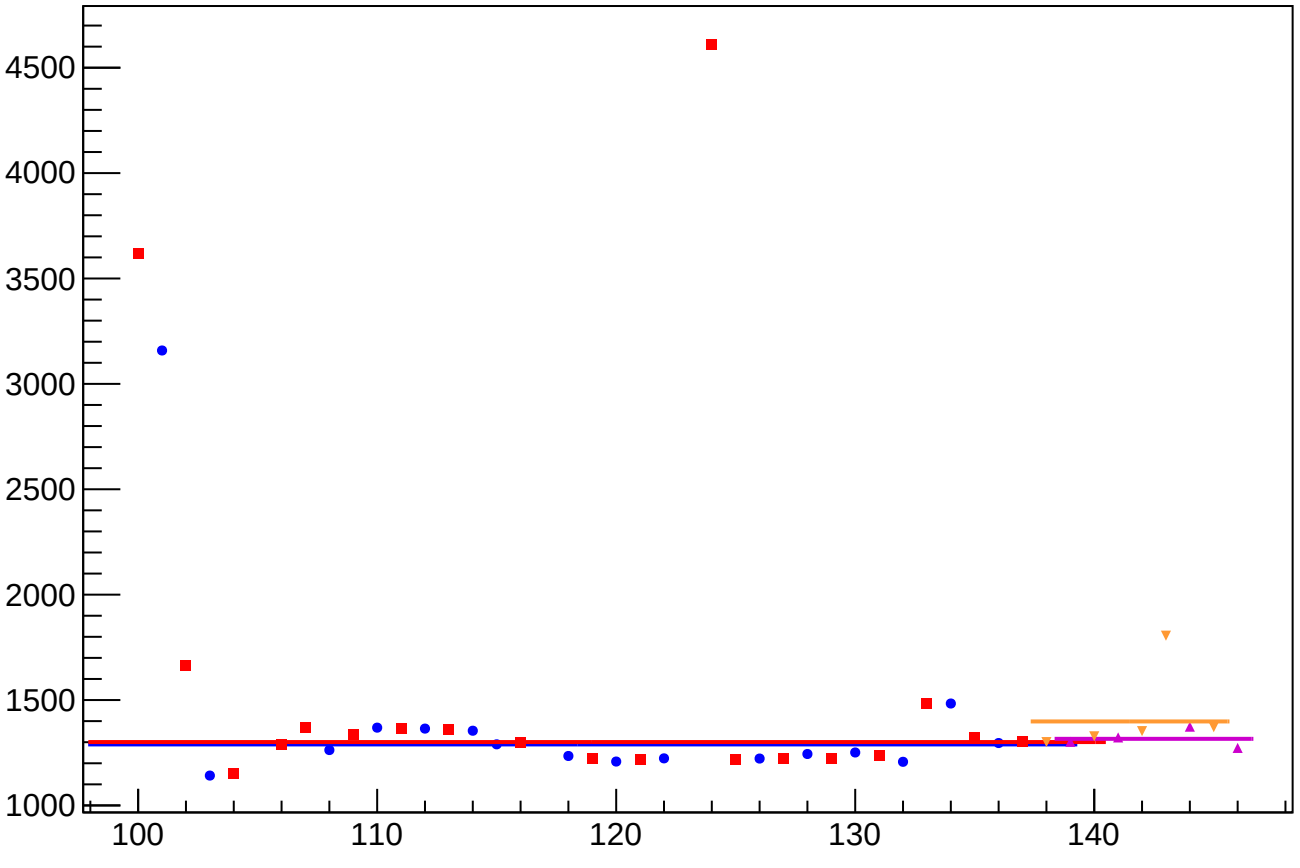
Left: 227.919+/-506.224 χ^2/NDF: 7.1/8

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -423.866+/-400.746 χ^2/NDF:15.7/19

Out: 119.176+/-406.191 χ^2/NDF:22.3/23

All: -156.009+/-285.276 χ^2/NDF: 38.9/43



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

Left: 1355.350+/-0.358 χ^2/NDF: 116949.6/8

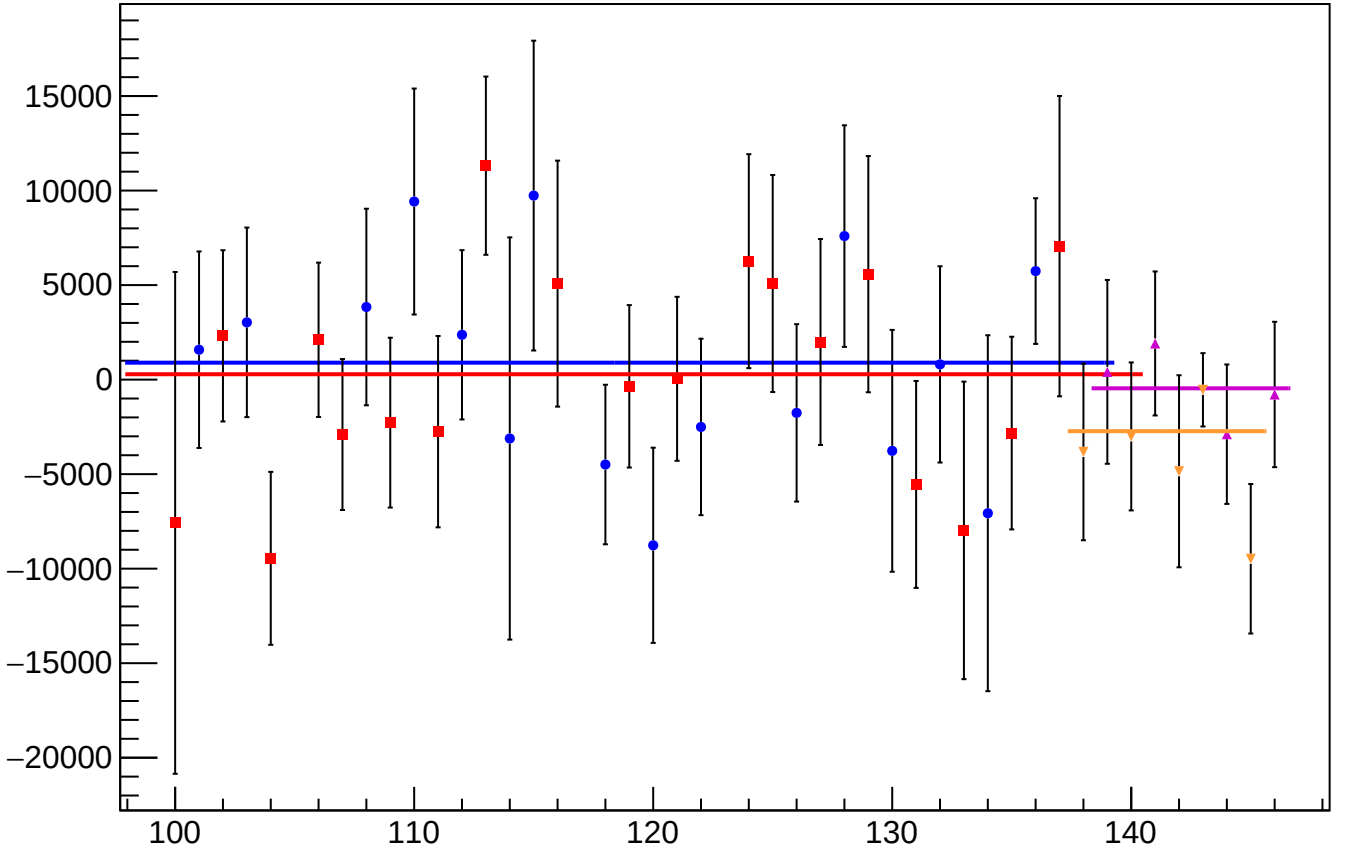
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1330.662+/-0.287 χ^2/NDF:448815.4/23

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43

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: -2728.480+/-1444.035 χ^2/NDF:4.4/4

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -460.973+/-1990.504 χ^2/NDF:0.9/3

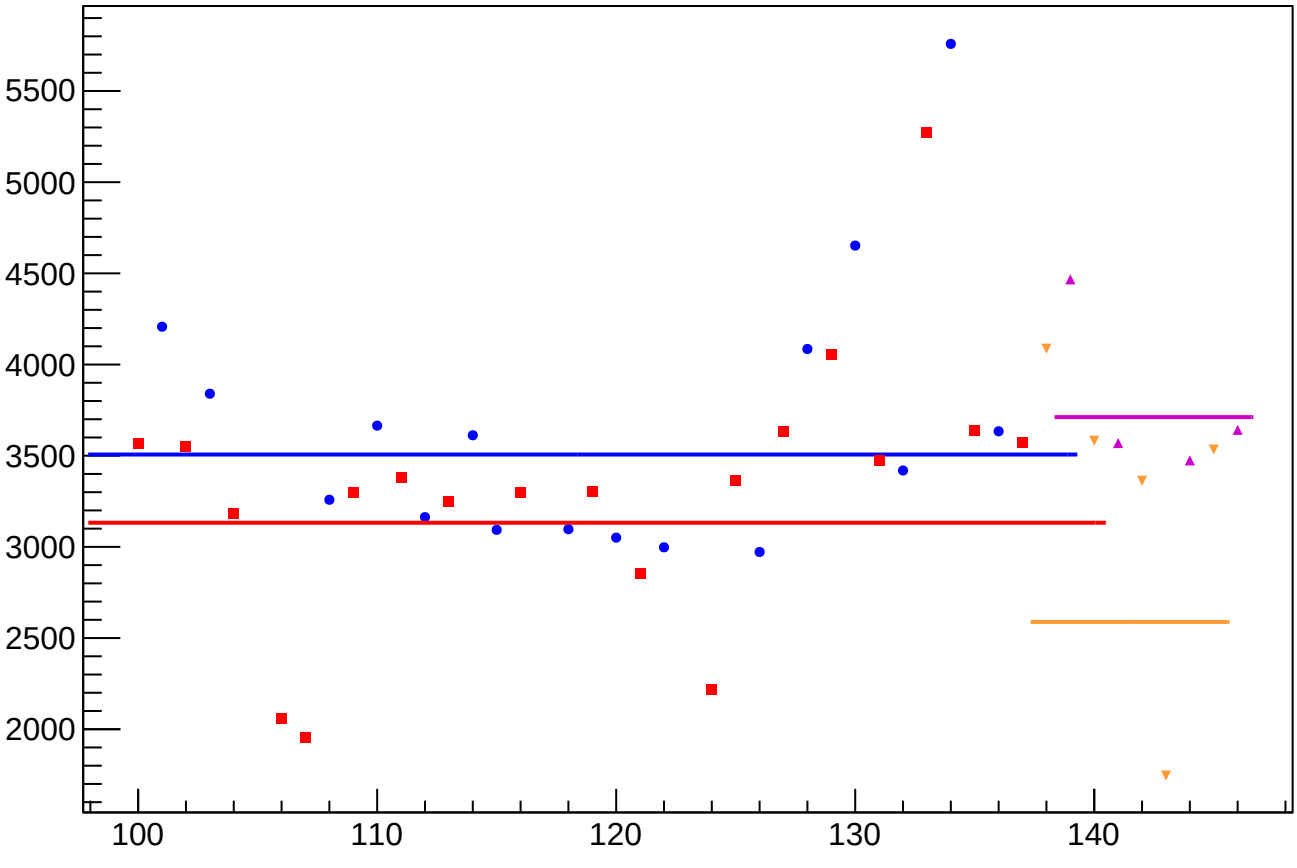
Left: -1946.601+/-1168.849 χ^2/NDF: 6.1/8

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 479.431+/-1102.876 χ^2/NDF:15.3/19

Out: -926.064+/-915.200 χ^2/NDF:25.6/23

All: -352.904+/-704.288 χ^2/NDF: 41.9/43



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

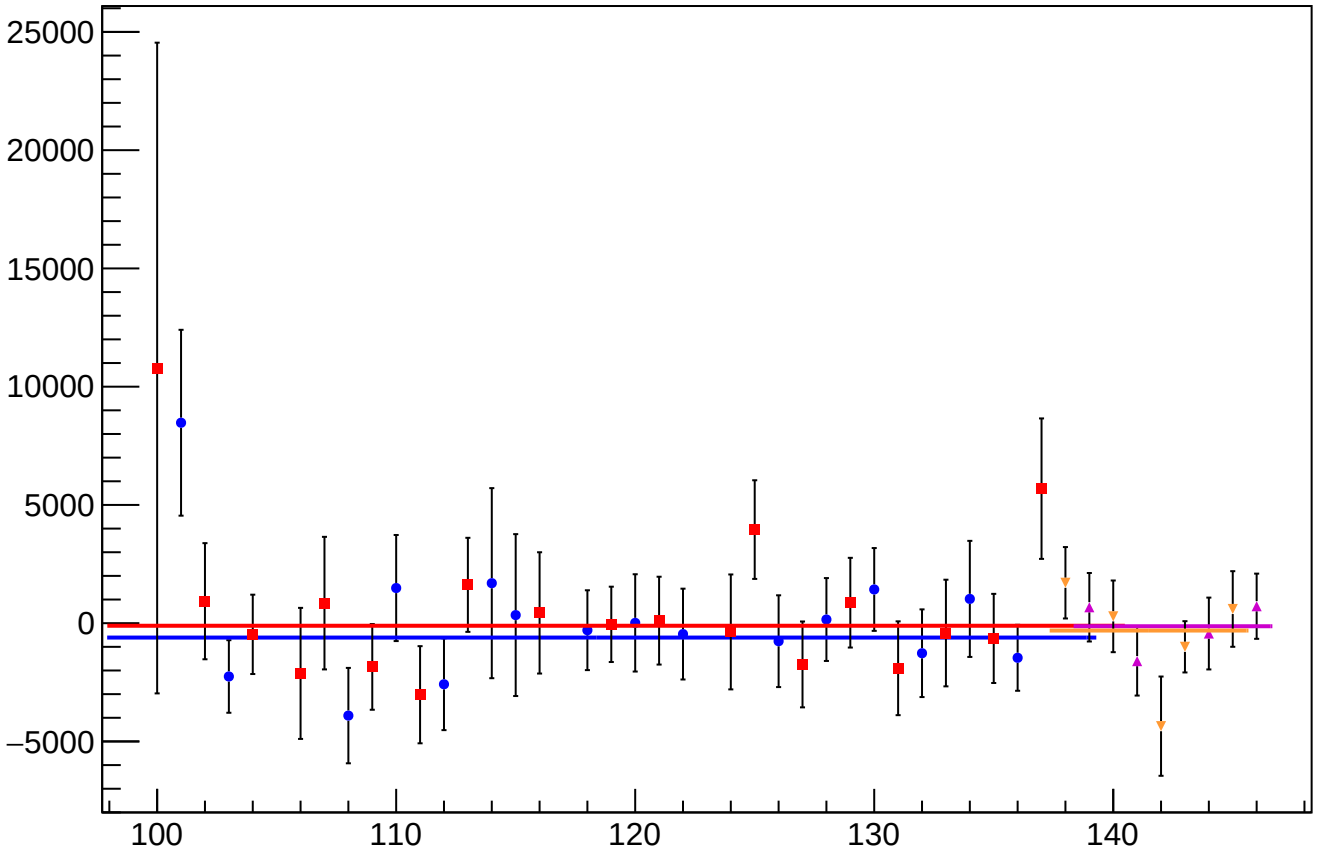
Left: 2975.708+/-0.827 χ^2/NDF: 1349763.2/8

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2913.981+/-0.647 χ^2/NDF:1691987.4/23

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.693+/-653.179 χ^2/NDF:6.4/4

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -129.181+/-723.926 χ^2/NDF:1.8/3

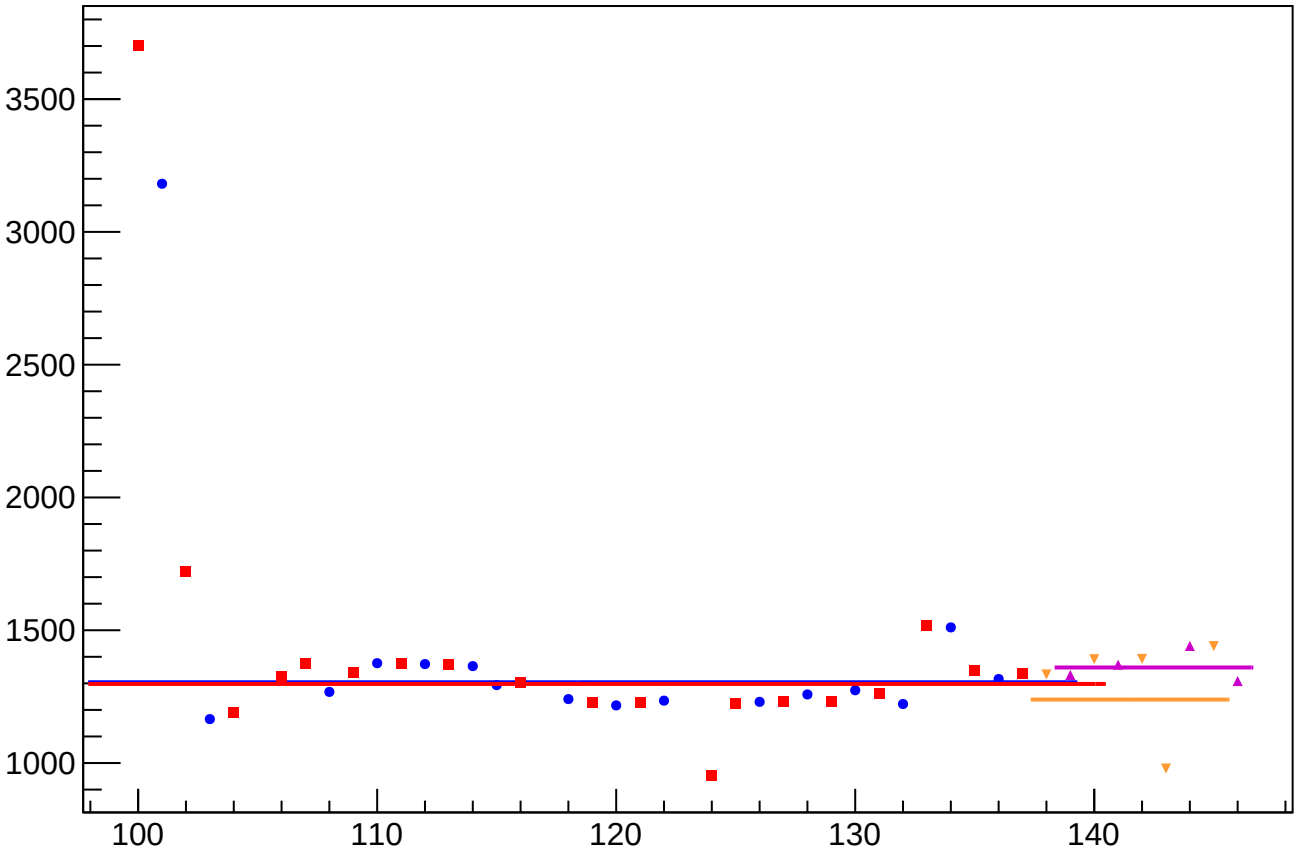
Left: -229.237+/-484.956 χ^2/NDF: 8.2/8

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -455.682+/-408.150 χ^2/NDF:16.2/19

Out: -180.537+/-389.679 χ^2/NDF:21.3/23

All: -311.743+/-281.848 χ^2/NDF: 37.7/43



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1238.998+/-0.462 χ^2/NDF:185091.7/4

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

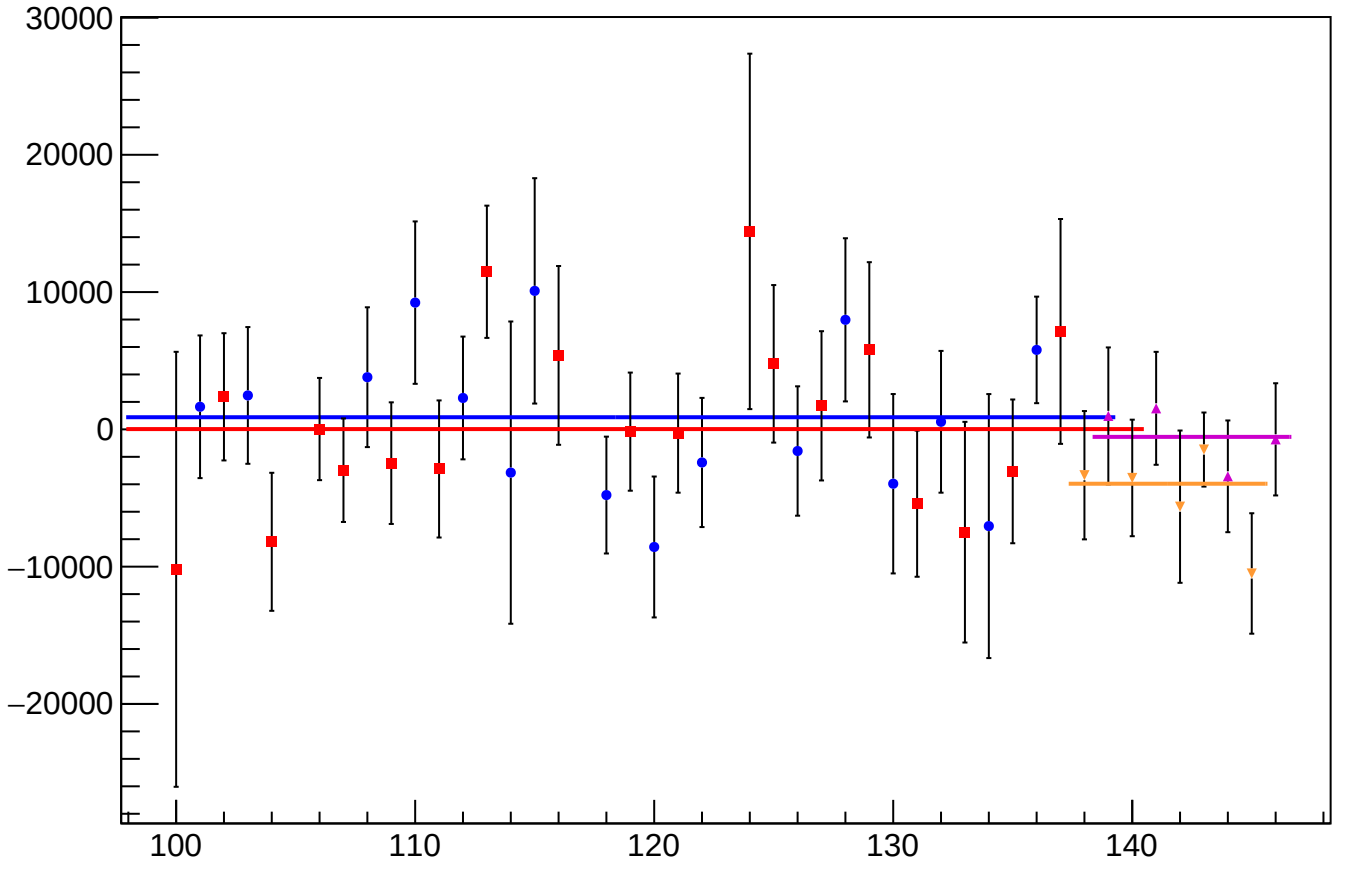
Left: 1293.198+/-0.343 χ^2/NDF: 225091.1/8

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1321.799+/-0.289 χ^2/NDF:527970.9/19

Out: 1276.889+/-0.275 χ^2/NDF:408632.3/23

All: 1298.294+/-0.199 χ^2/NDF: 949276.6/43



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3960.020+/-1758.978 χ^2/NDF:3.2/4

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -547.025+/-2134.009 χ^2/NDF:0.9/3

Left: -2579.290+/-1357.322 χ^2/NDF: 5.6/8

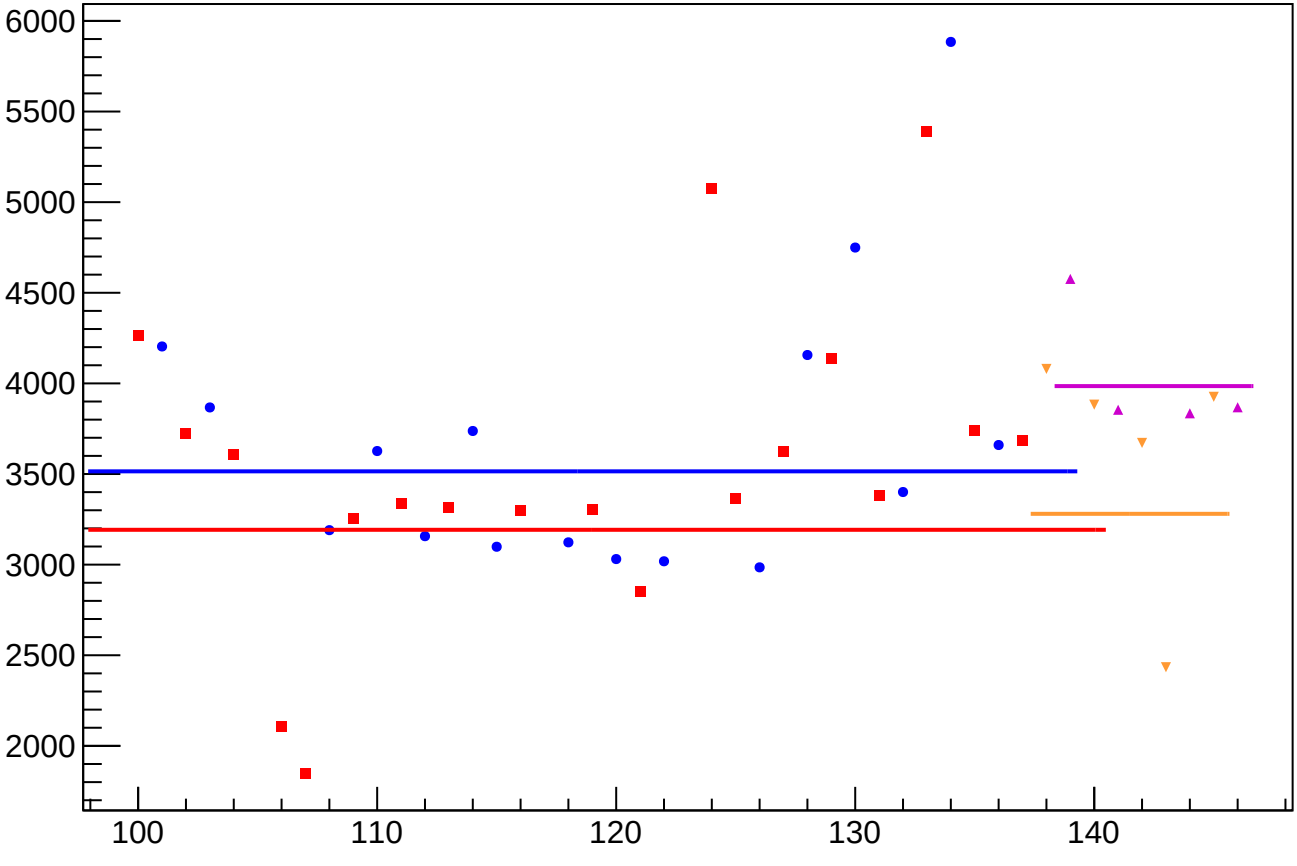
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 484.825+/-1127.138 χ^2/NDF:15.3/19

Out: -1243.611+/-991.298 χ^2/NDF:23.5/23

All: -489.771+/-744.372 χ^2/NDF: 40.1/43

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: 3280.329+/-1.244 χ^2/NDF:349008.8/4

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3985.086+/-1.509 χ^2/NDF:34488.6/3

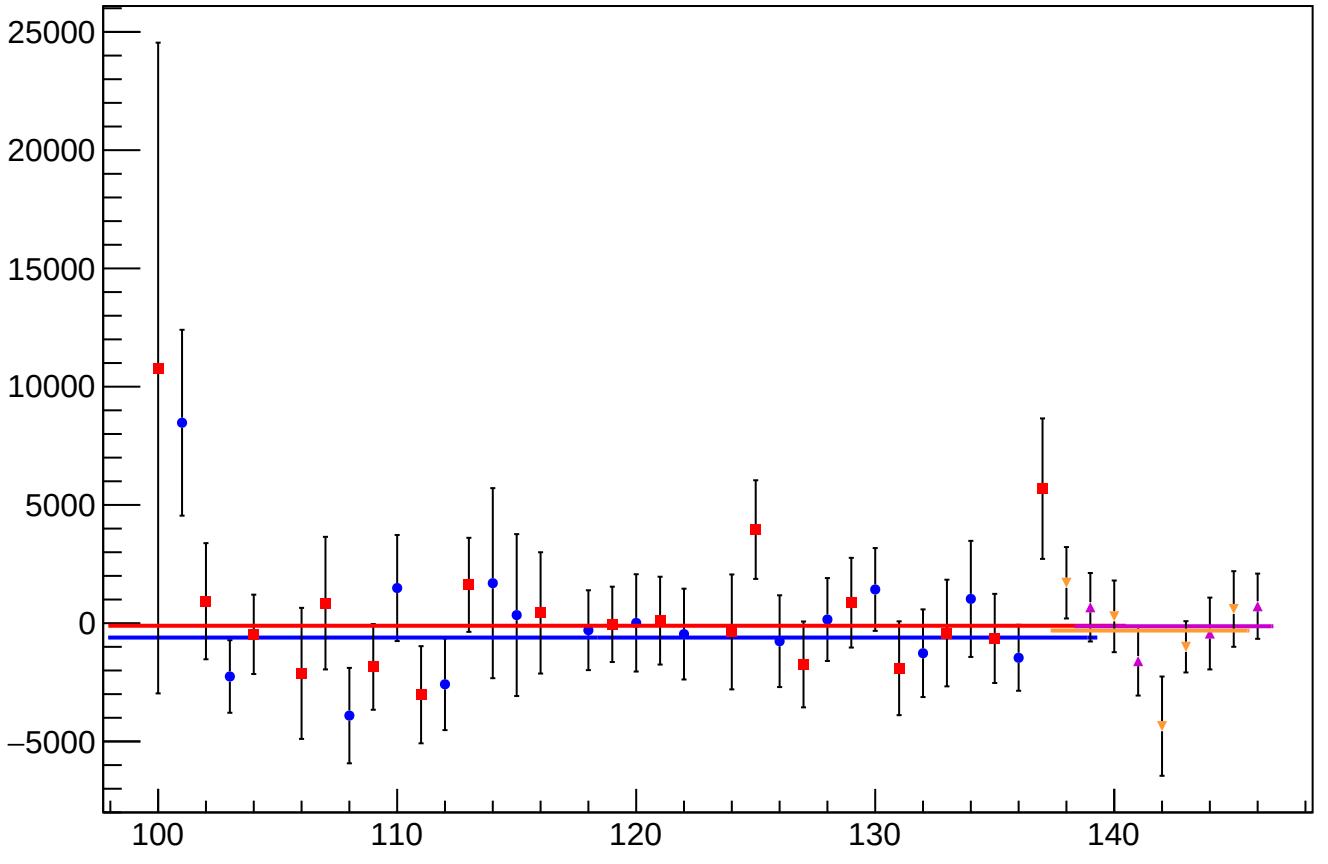
Left: 3565.439+/-0.960 χ^2/NDF: 513383.0/8

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3645.958+/-0.797 χ^2/NDF:479618.2/19

Out: 3220.193+/-0.701 χ^2/NDF:1124930.2/23

All: 3405.886+/-0.526 χ^2/NDF: 1765460.0/43



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.700+/-653.180 χ^2/NDF:6.4/4

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -129.179+/-723.926 χ^2/NDF:1.8/3

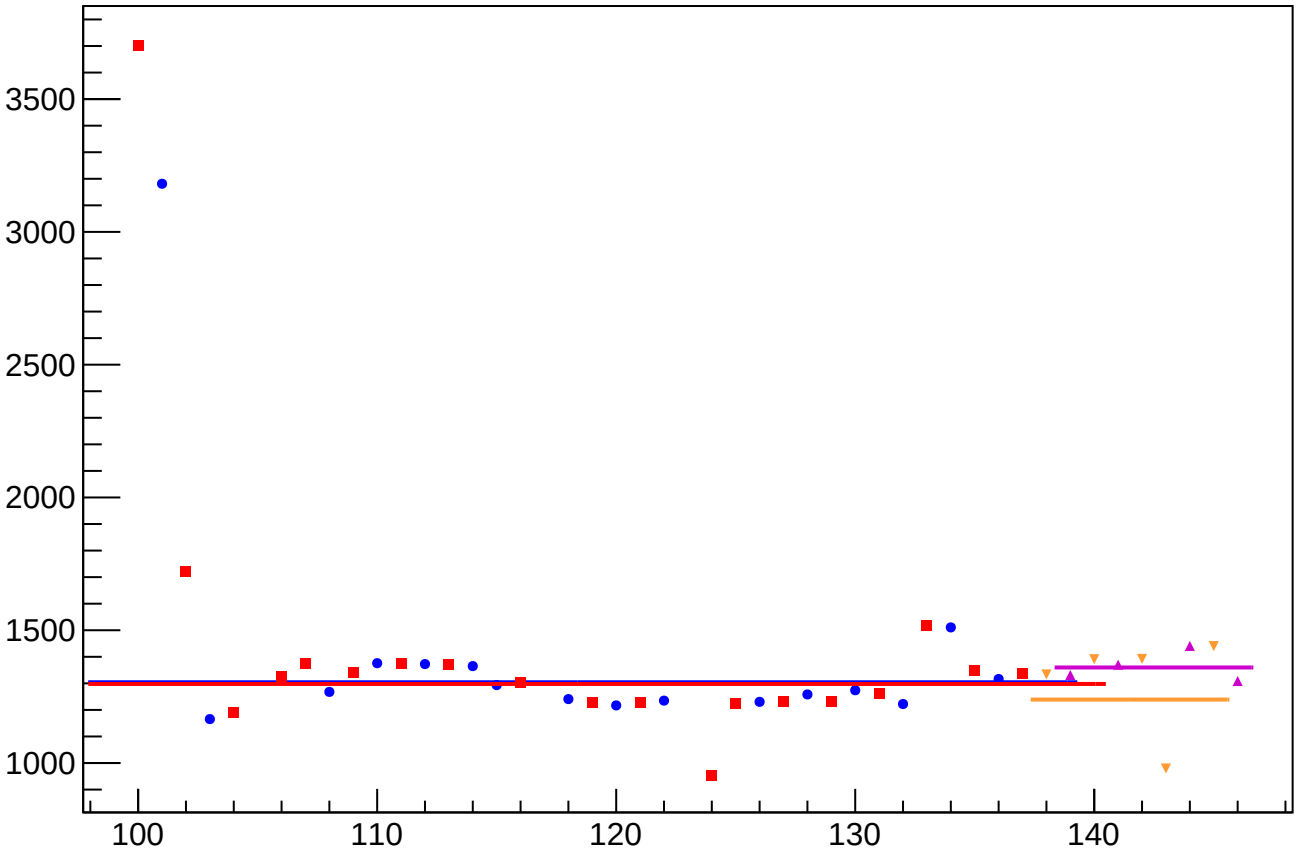
Left: -229.240+/-484.956 χ^2/NDF: 8.2/8

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -455.684+/-408.150 χ^2/NDF:16.2/19

Out: -180.543+/-389.679 χ^2/NDF:21.3/23

All: -311.747+/-281.849 χ^2/NDF: 37.7/43



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1238.999+/-0.462 χ^2/NDF:185092.0/4

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

Left: 1293.199+/-0.343 χ^2/NDF: 225091.4/8

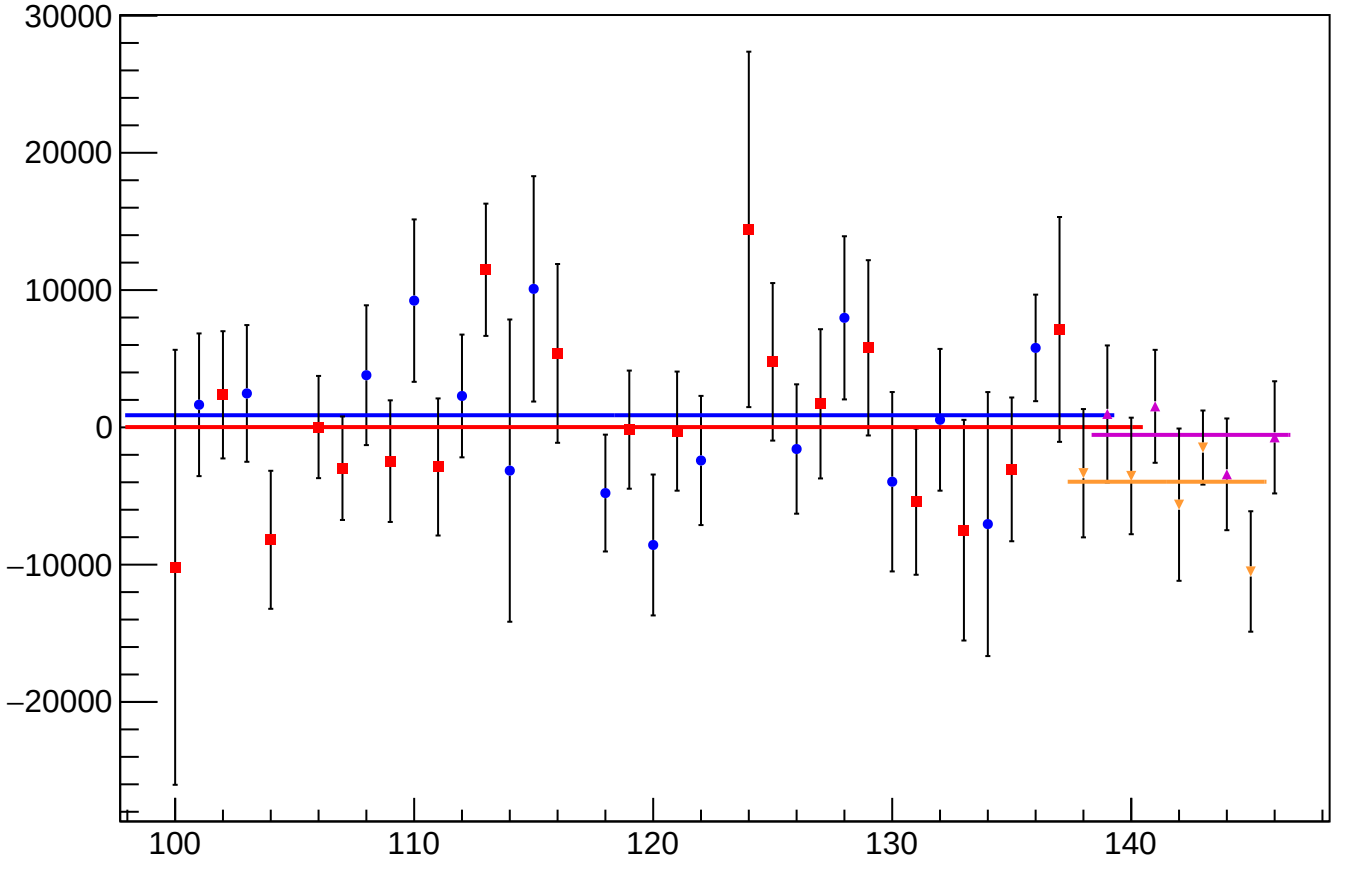
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1321.799+/-0.289 χ^2/NDF:527971.4/19

Out: 1276.889+/-0.275 χ^2/NDF:408632.3/23

All: 1298.294+/-0.199 χ^2/NDF: 949277.1/43

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: -3960.025+/-1758.981 χ^2/NDF:3.2/4

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -547.021+/-2134.013 χ^2/NDF:0.9/3

Left: -2579.291+/-1357.324 χ^2/NDF: 5.6/8

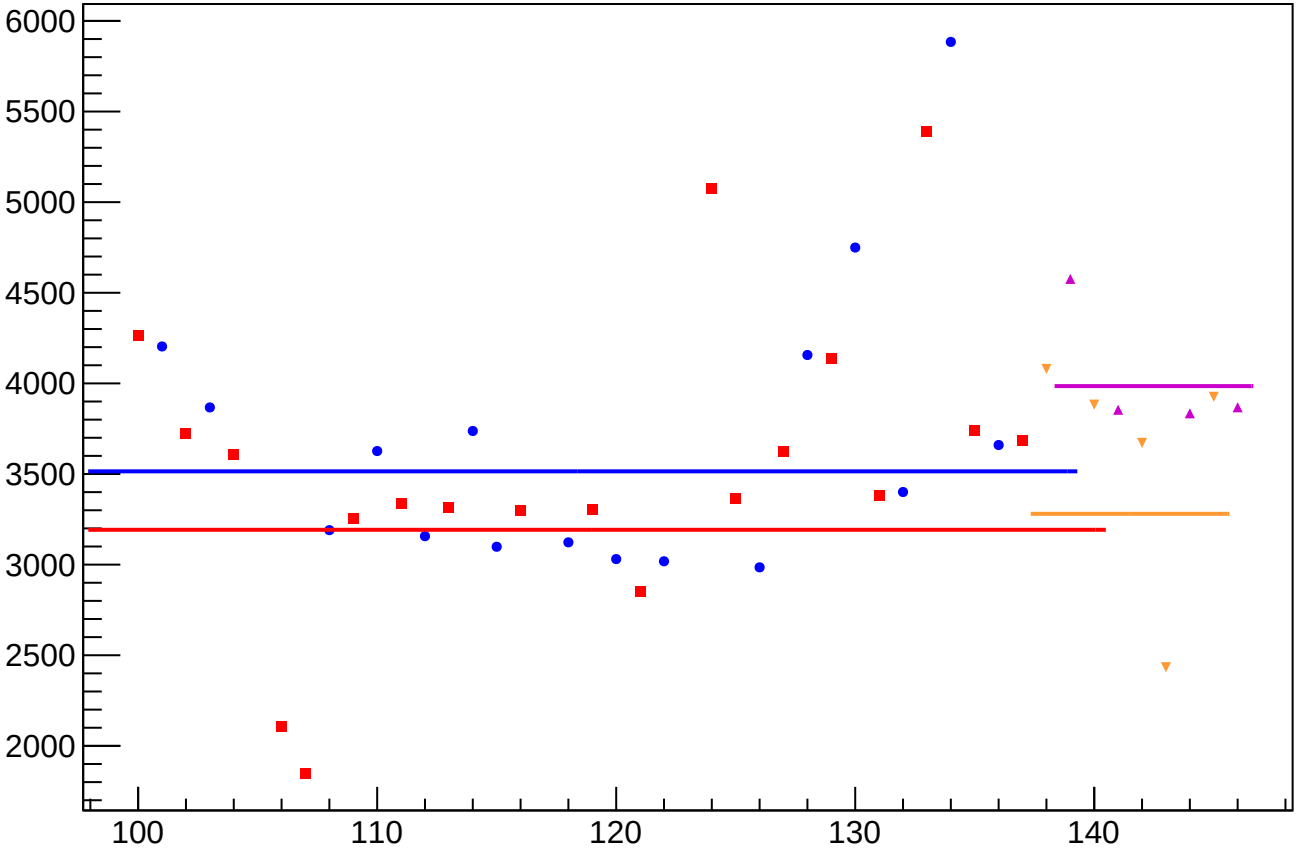
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 484.820+/-1127.137 χ^2/NDF:15.3/19

Out: -1243.608+/-991.297 χ^2/NDF:23.5/23

All: -489.771+/-744.371 χ^2/NDF: 40.1/43

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3280.335+/-1.244 χ^2/NDF:349009.7/4

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 3985.093+/-1.509 χ^2/NDF:34489.3/3

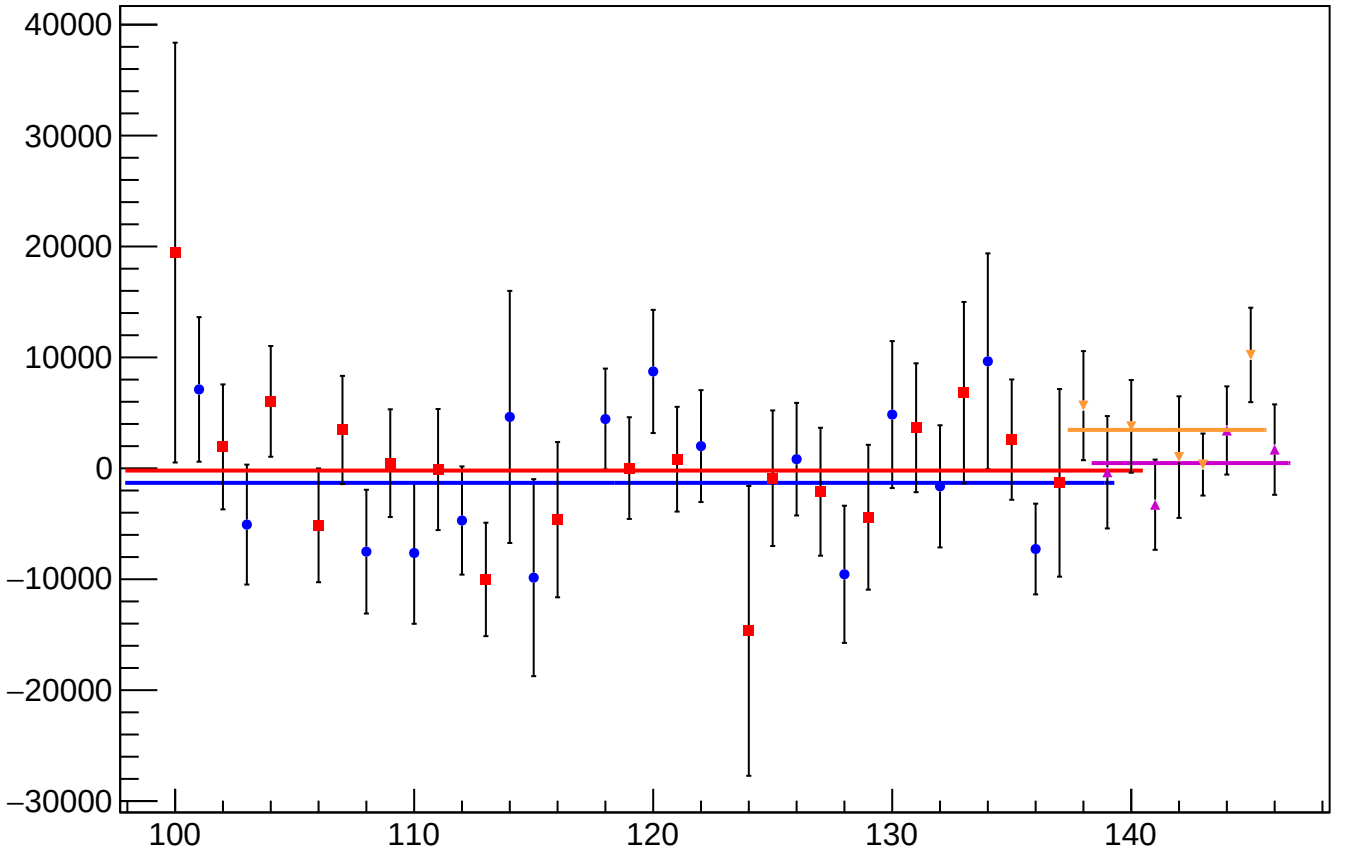
Left: 3565.445+/-0.960 χ^2/NDF: 513384.4/8

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3645.952+/-0.797 χ^2/NDF:479627.6/19

Out: 3220.189+/-0.701 χ^2/NDF:1124934.4/23

All: 3405.881+/-0.526 χ^2/NDF: 1765472.5/43



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 3463.991+/-1781.602 χ^2/NDF:4.2/4

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 473.106+/-2118.256 χ^2/NDF:1.5/3

Left: 2224.826+/-1363.462 χ^2/NDF: 6.9/8

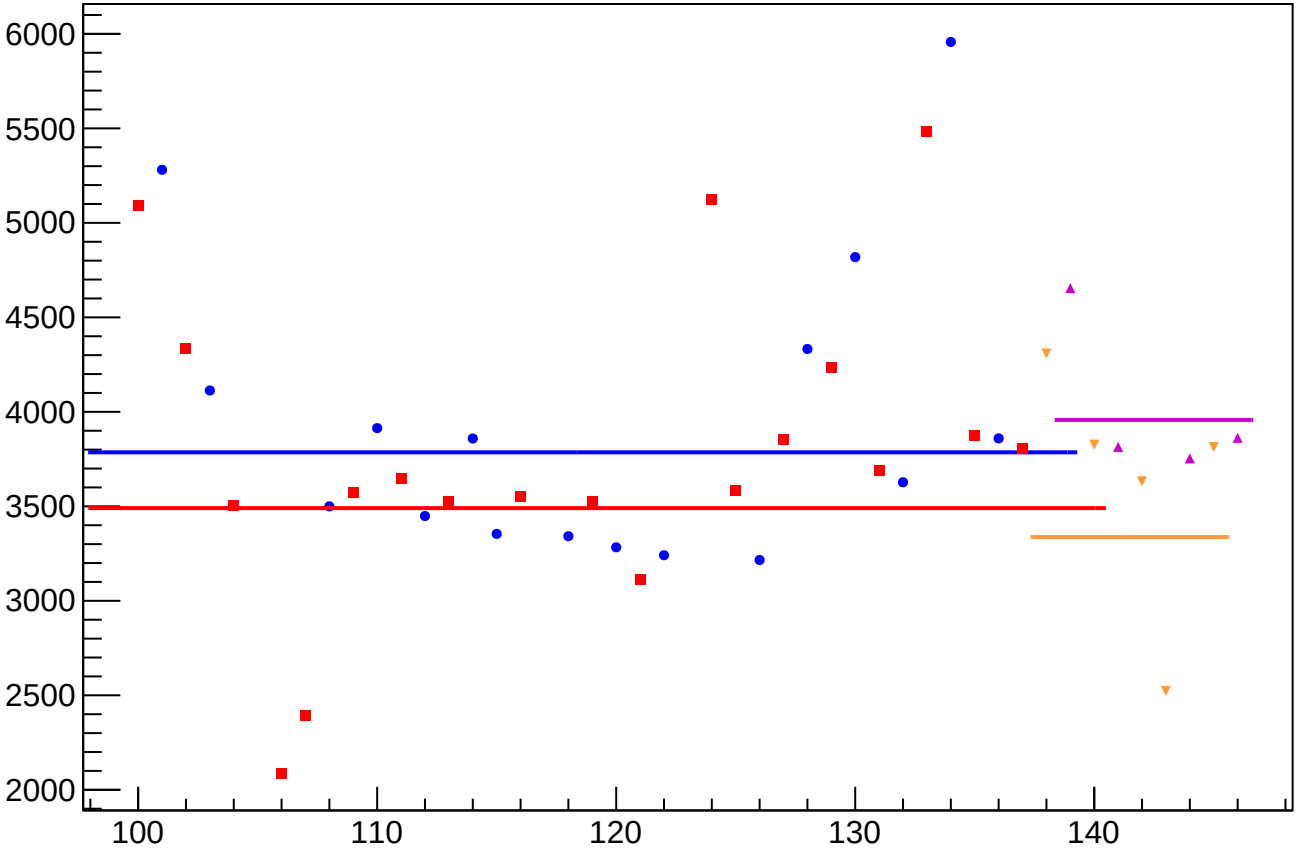
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -750.457+/-1186.132 χ^2/NDF:19.6/19

Out: 1117.841+/-1068.890 χ^2/NDF:18.5/23

All: 280.565+/-794.043 χ^2/NDF: 39.5/43

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3337.348+/-1.260 χ^2/NDF:305909.8/4

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

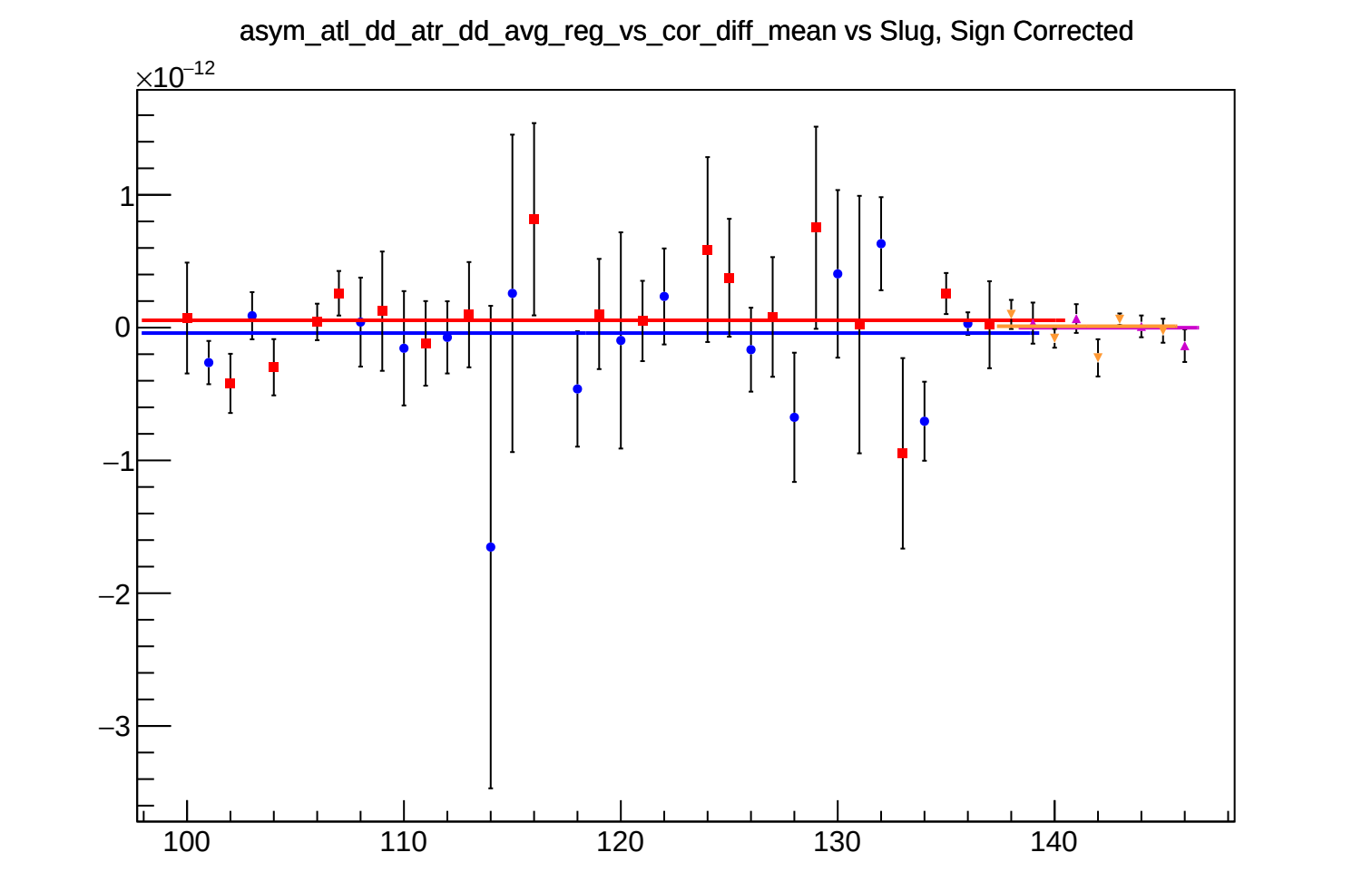
Left: 3594.176+/-0.964 χ^2/NDF: 452953.9/8

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3839.535+/-0.839 χ^2/NDF:438717.7/19

Out: 3436.411+/-0.749 χ^2/NDF:902191.7/23

All: 3615.313+/-0.559 χ^2/NDF: 1469404.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

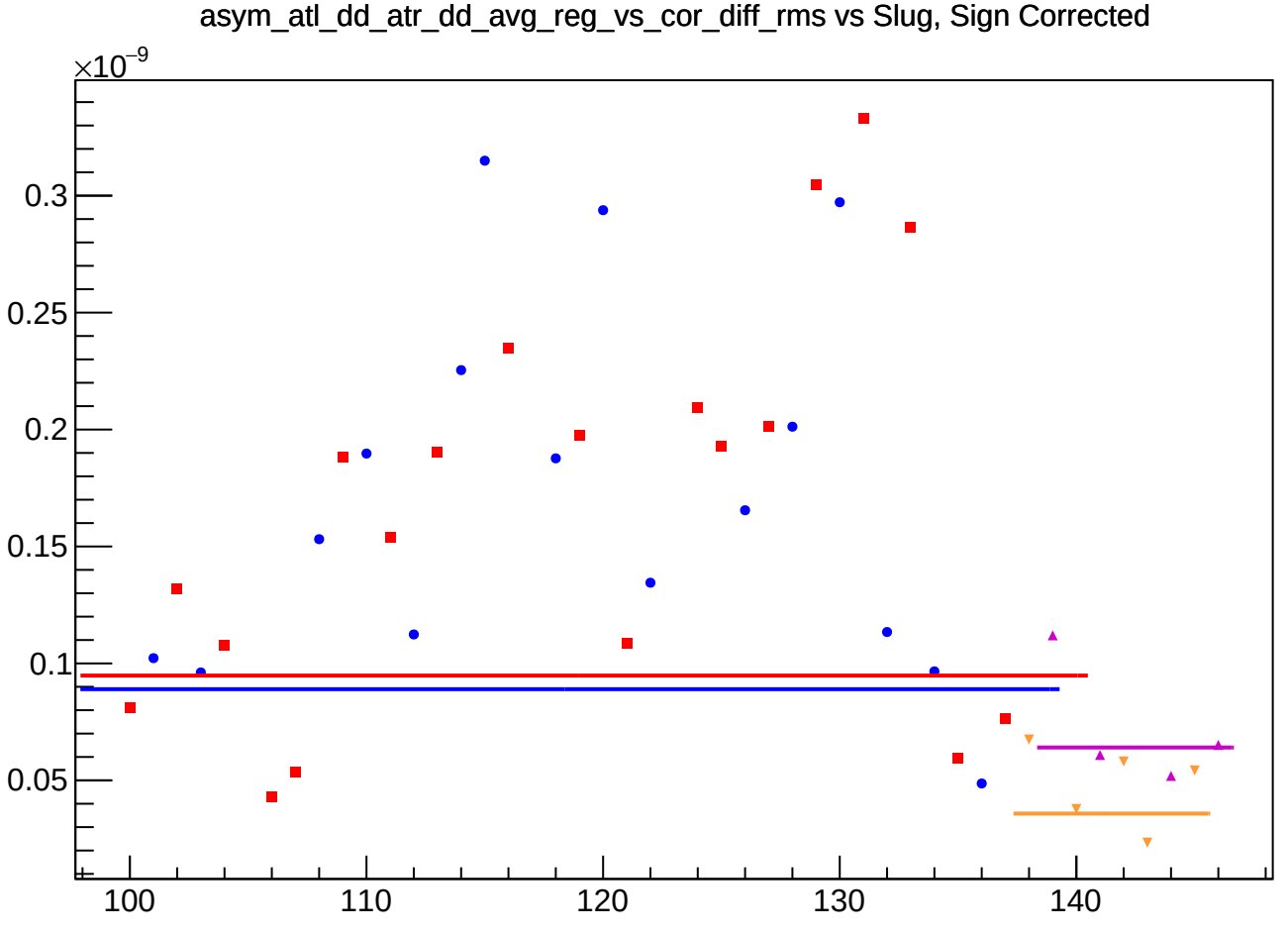
Left: 0.000+/-0.000 χ^2/NDF: 8.4/8

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:18.6/19

Out: 0.000+/-0.000 χ^2/NDF:23.0/23

All: 0.000+/-0.000 χ^2/NDF: 42.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:462218.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

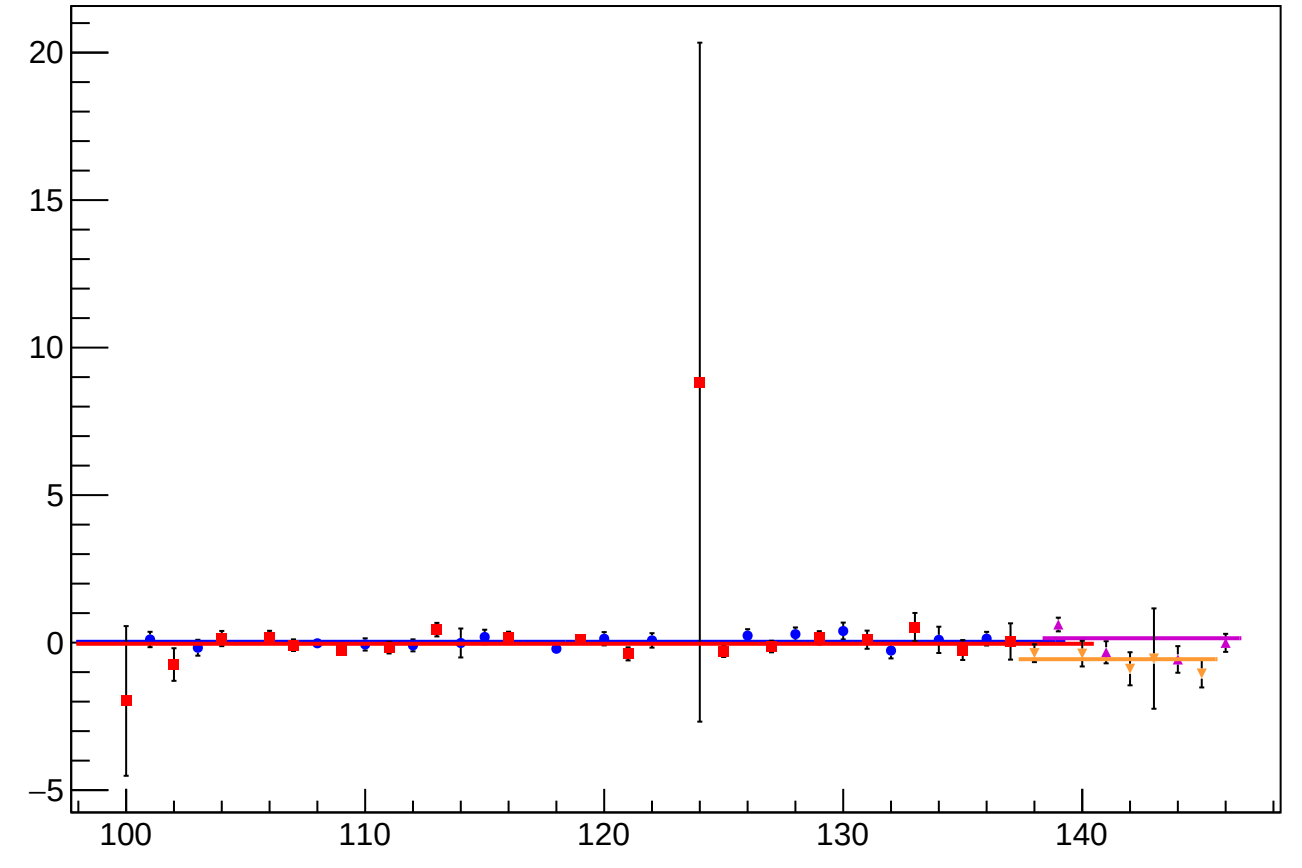
Left: 0.000+/-0.000 χ^2/NDF: 1103747.9/8

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1892769.8/19

Out: 0.000+/-0.000 χ^2/NDF:3557685.9/23

All: 0.000+/-0.000 χ^2/NDF: 6091733.0/43



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

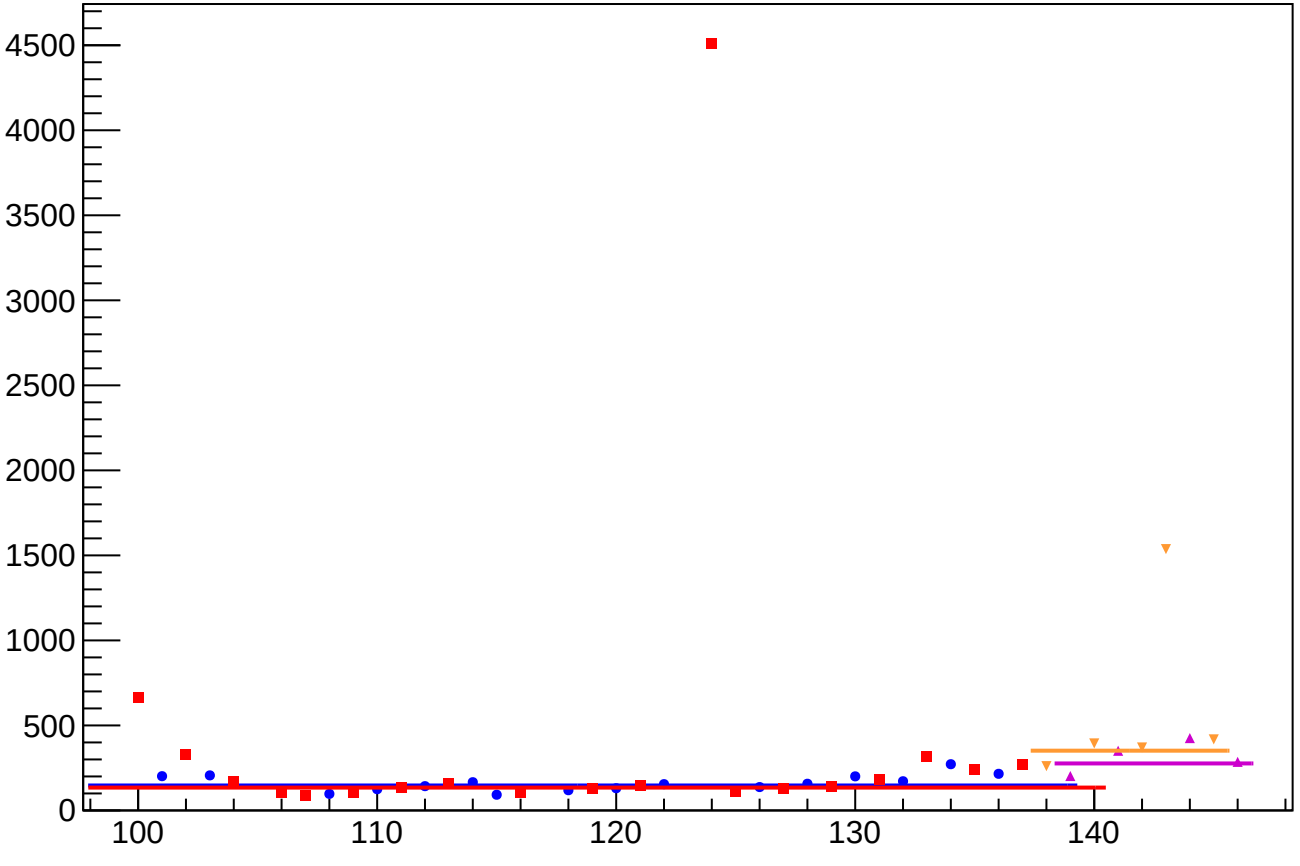
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.544+/-0.144 χ^2/NDF:1213708.4/4

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

Left: 304.291+/-0.087 χ^2/NDF: 1887971.3/8

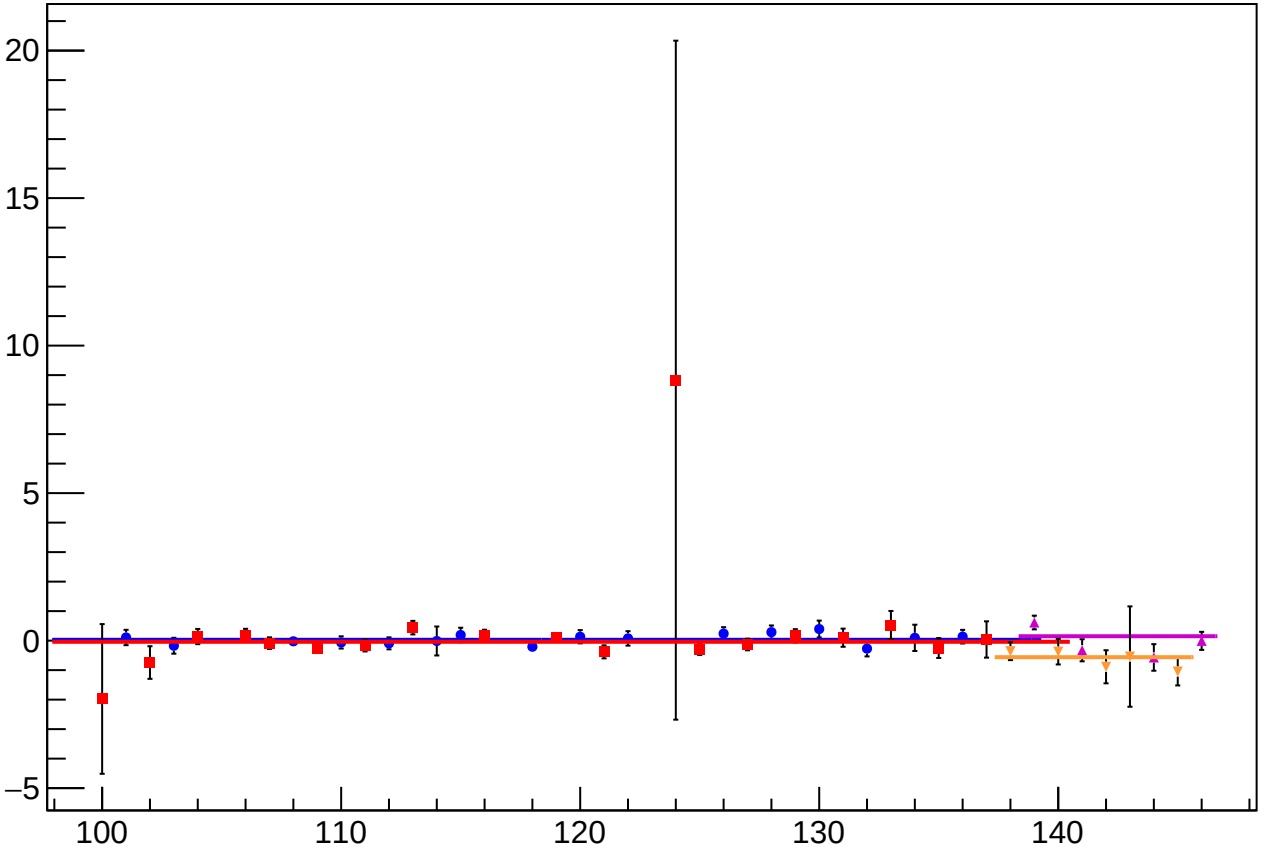
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 149.236+/-0.037 χ^2/NDF:4951143.7/23

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43

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: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

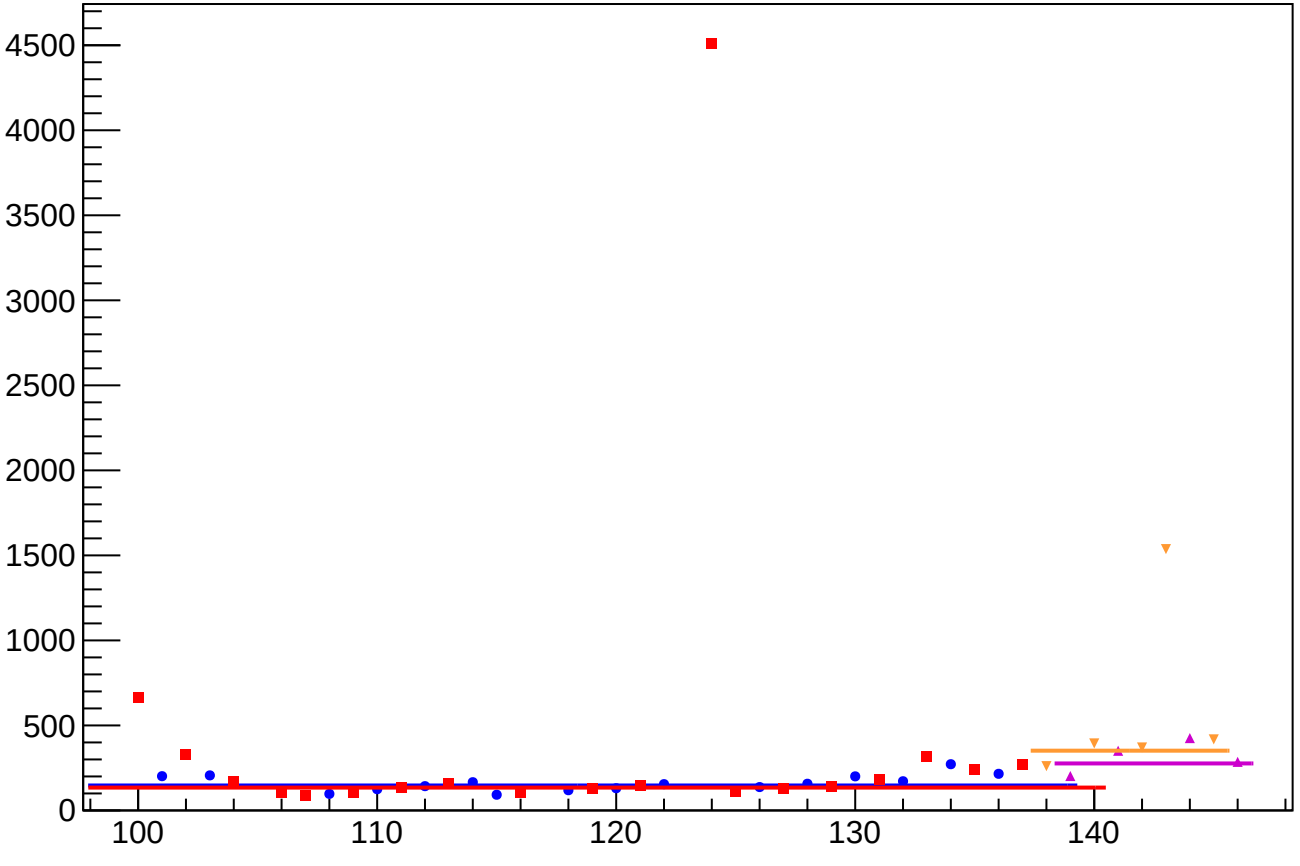
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.544+/-0.144 χ^2/NDF:1213708.4/4

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

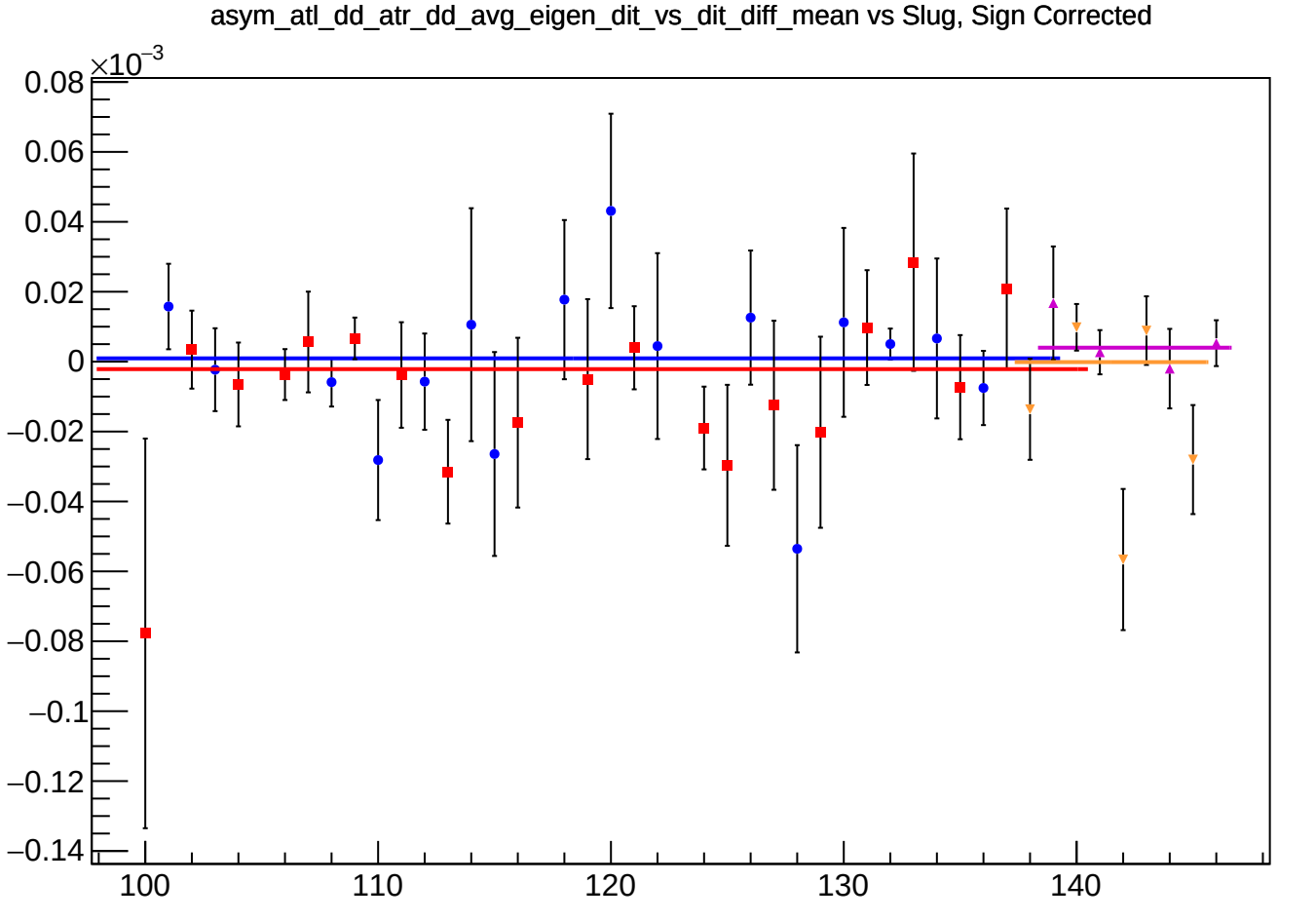
Left: 304.291+/-0.087 χ^2/NDF: 1887971.3/8

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

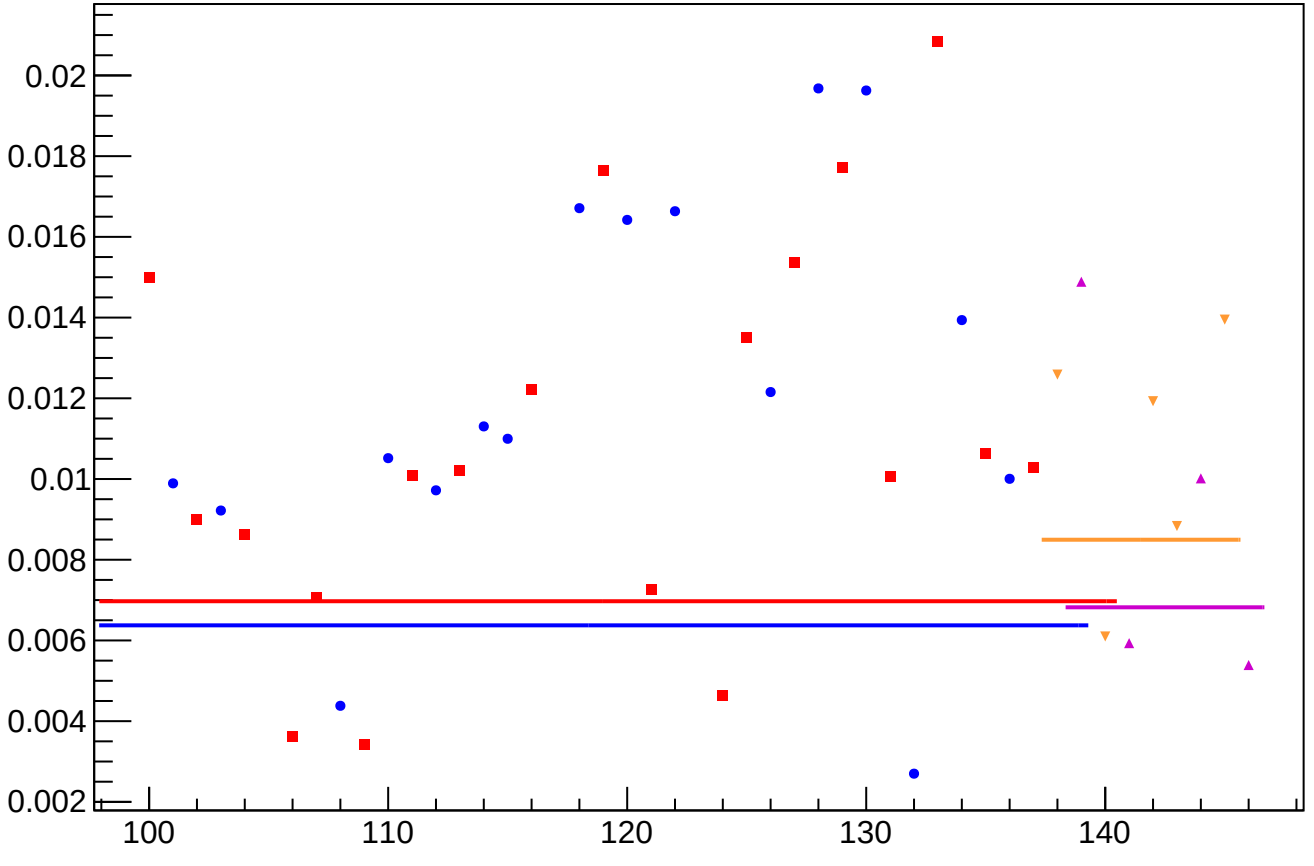
In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 149.236+/-0.037 χ^2/NDF:4951143.7/23

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:15.0/4
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:1.0/3
Left: 0.000+/-0.000 χ²/NDF: 16.4/8
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:16.2/19
Out: -0.000+/-0.000 χ²/NDF:31.1/23
All: 0.000+/-0.000 χ²/NDF: 48.4/43

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: 0.008+/-0.000 χ^2/NDF:723659.6/4

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:788404.7/3

Left: 0.008+/-0.000 χ^2/NDF: 1654651.4/8

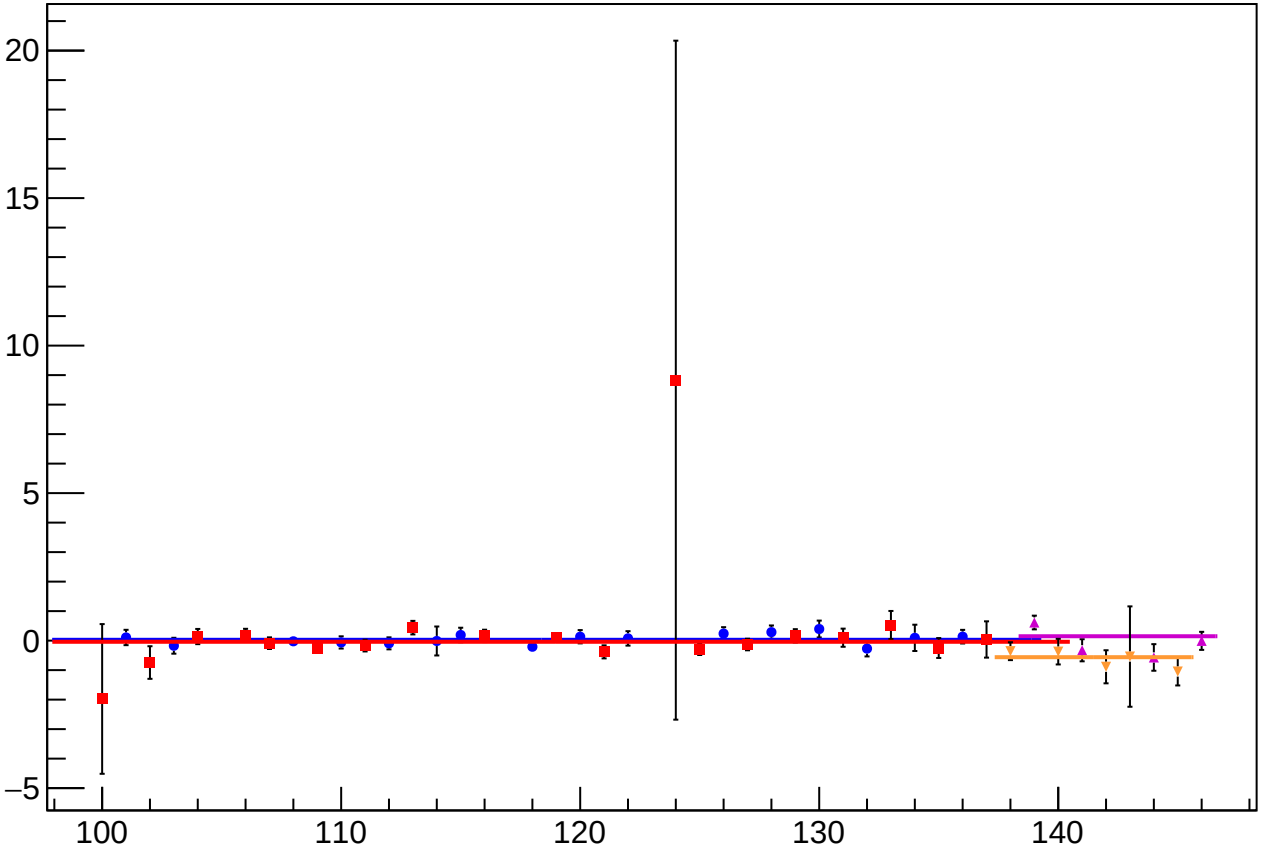
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5443979.9/19

Out: 0.007+/-0.000 χ^2/NDF:4280195.8/23

All: 0.007+/-0.000 χ^2/NDF: 9852582.6/43

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: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

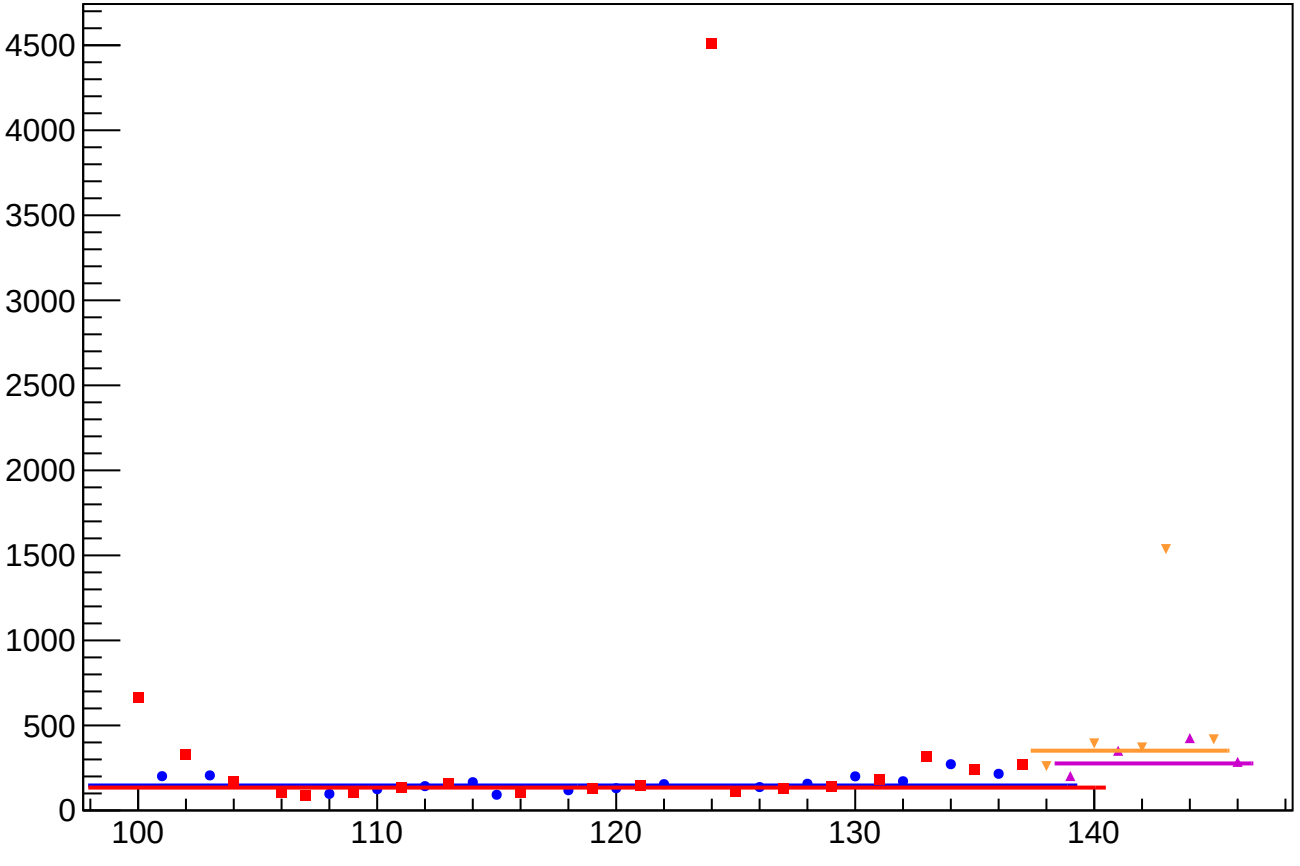
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.549+/-0.144 χ^2/NDF:1213701.1/4

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

Left: 304.295+/-0.087 χ^2/NDF: 1887941.7/8

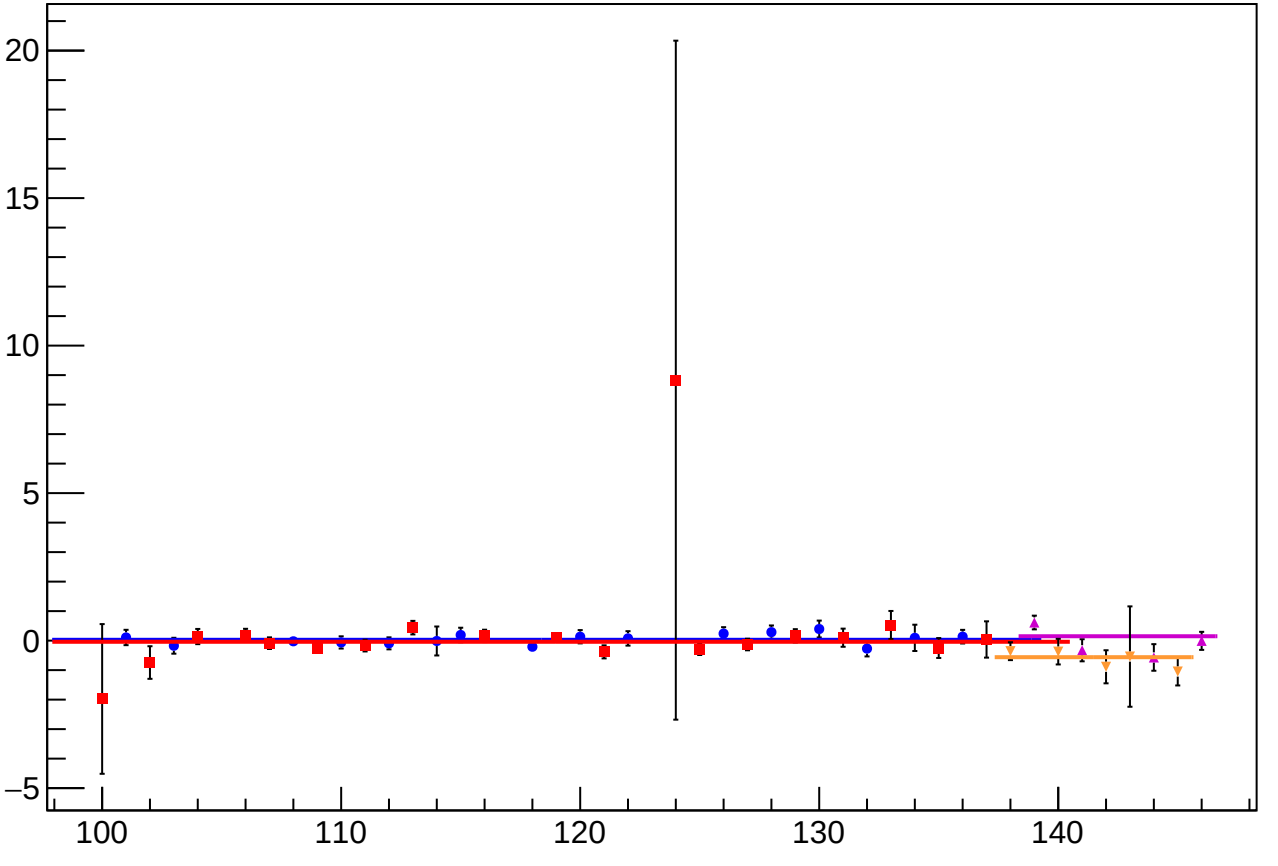
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 149.238+/-0.037 χ^2/NDF:4951078.9/23

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43

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: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

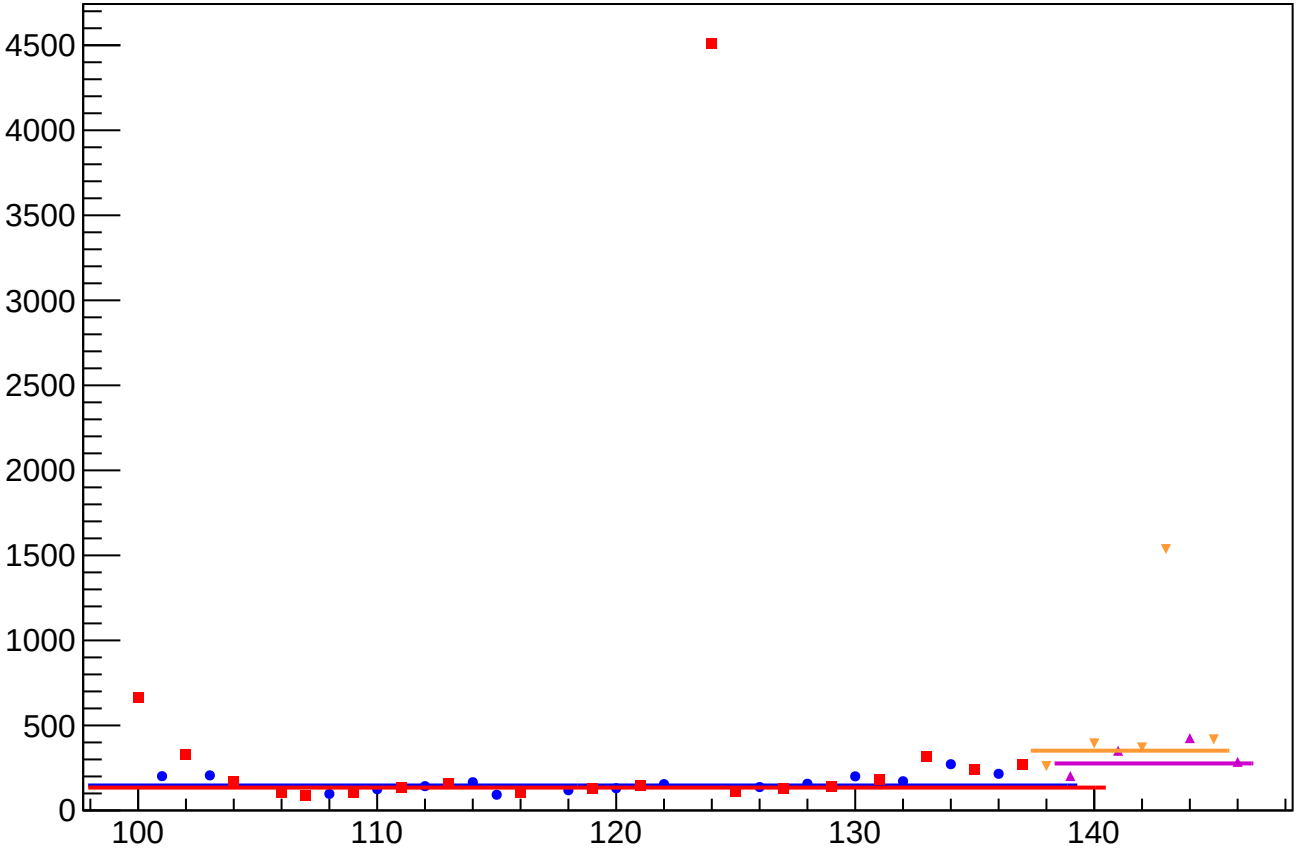
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.549+/-0.144 χ^2/NDF:1213701.1/4

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

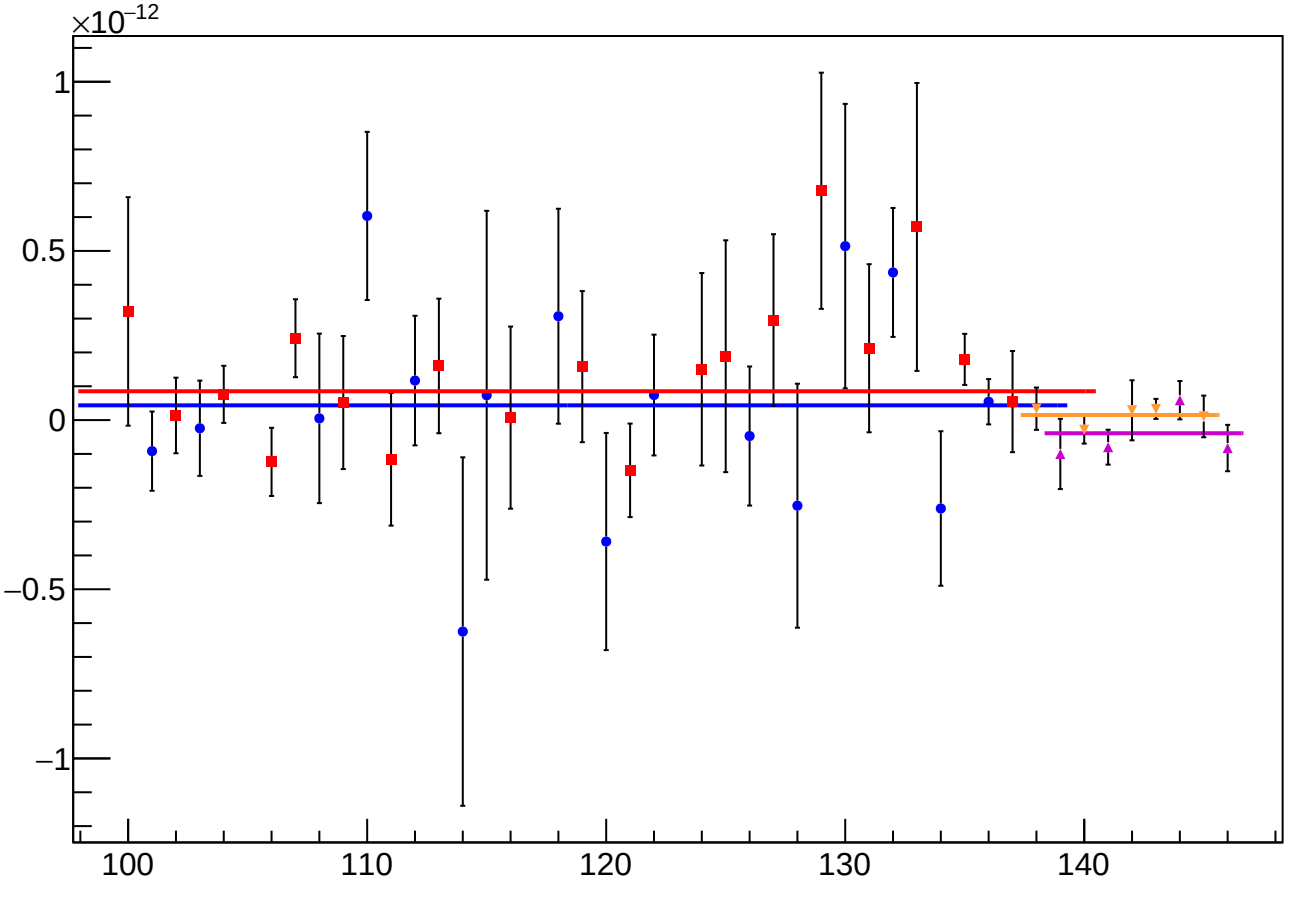
Left: 304.295+/-0.087 χ^2/NDF: 1887941.7/8

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 149.238+/-0.037 χ^2/NDF:4951078.9/23

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/3

Left: -0.000+/-0.000 χ^2/NDF: 8.0/8

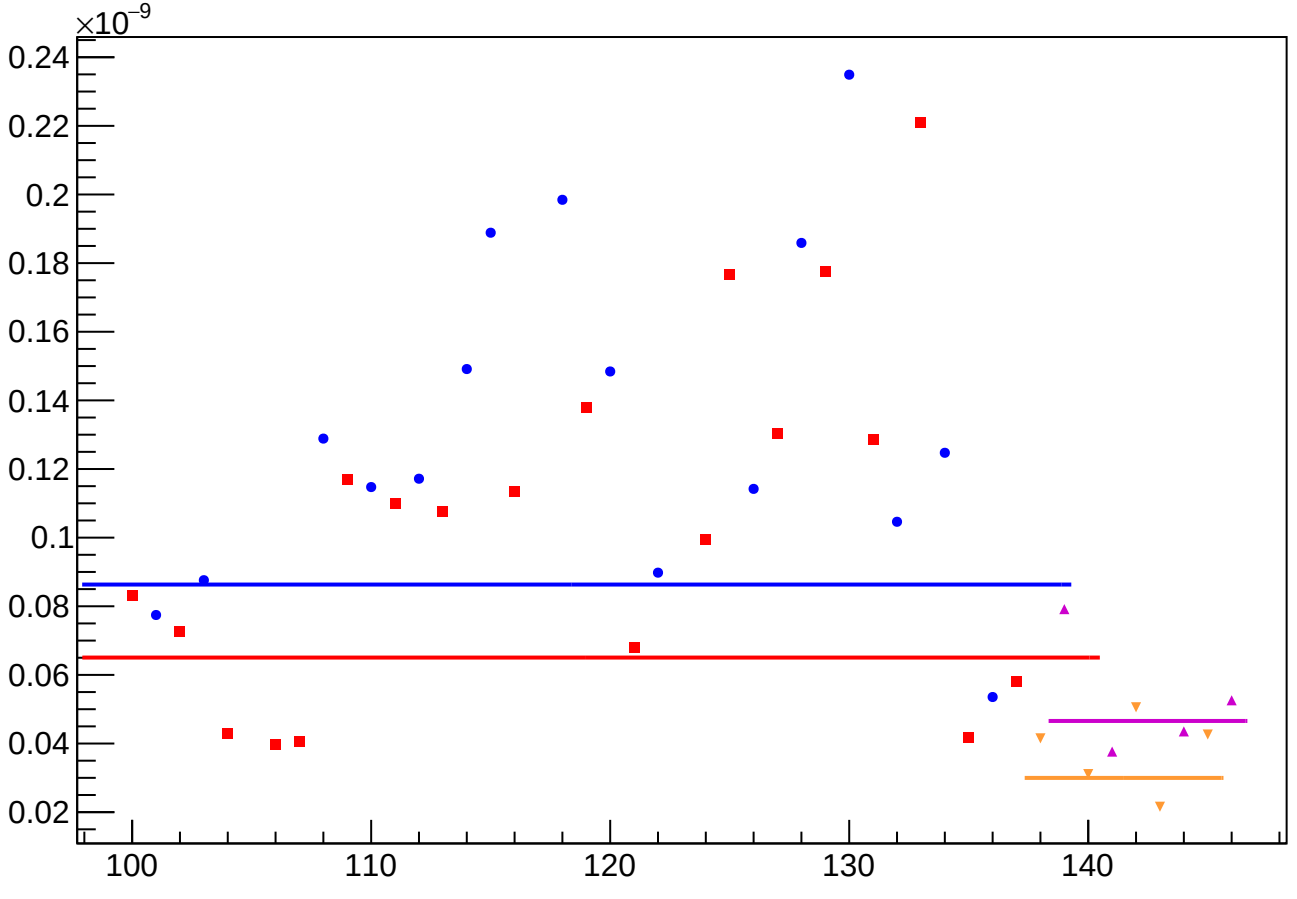
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/19

Out: 0.000+/-0.000 χ^2/NDF:22.9/23

All: 0.000+/-0.000 χ^2/NDF: 50.6/43

asym_atl_dd_atr_dd_avg_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:422011.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

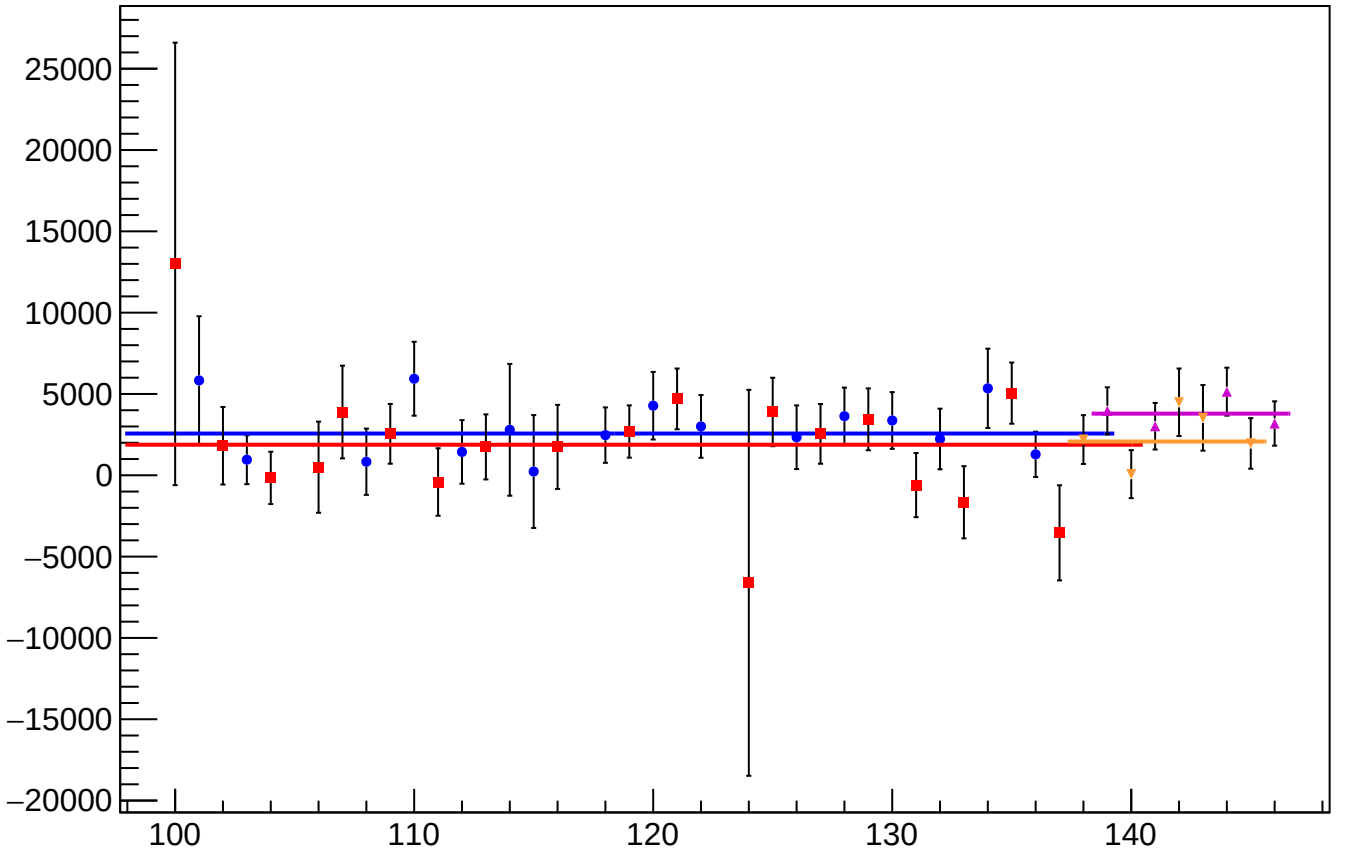
Left: 0.000+/-0.000 χ^2/NDF: 1086533.1/8

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2959604.3/19

Out: 0.000+/-0.000 χ^2/NDF:4126249.8/23

All: 0.000+/-0.000 χ^2/NDF: 8047653.1/43



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2077.586+/-746.408 χ^2/NDF:3.7/4

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 3791.341+/-713.605 χ^2/NDF:1.3/3

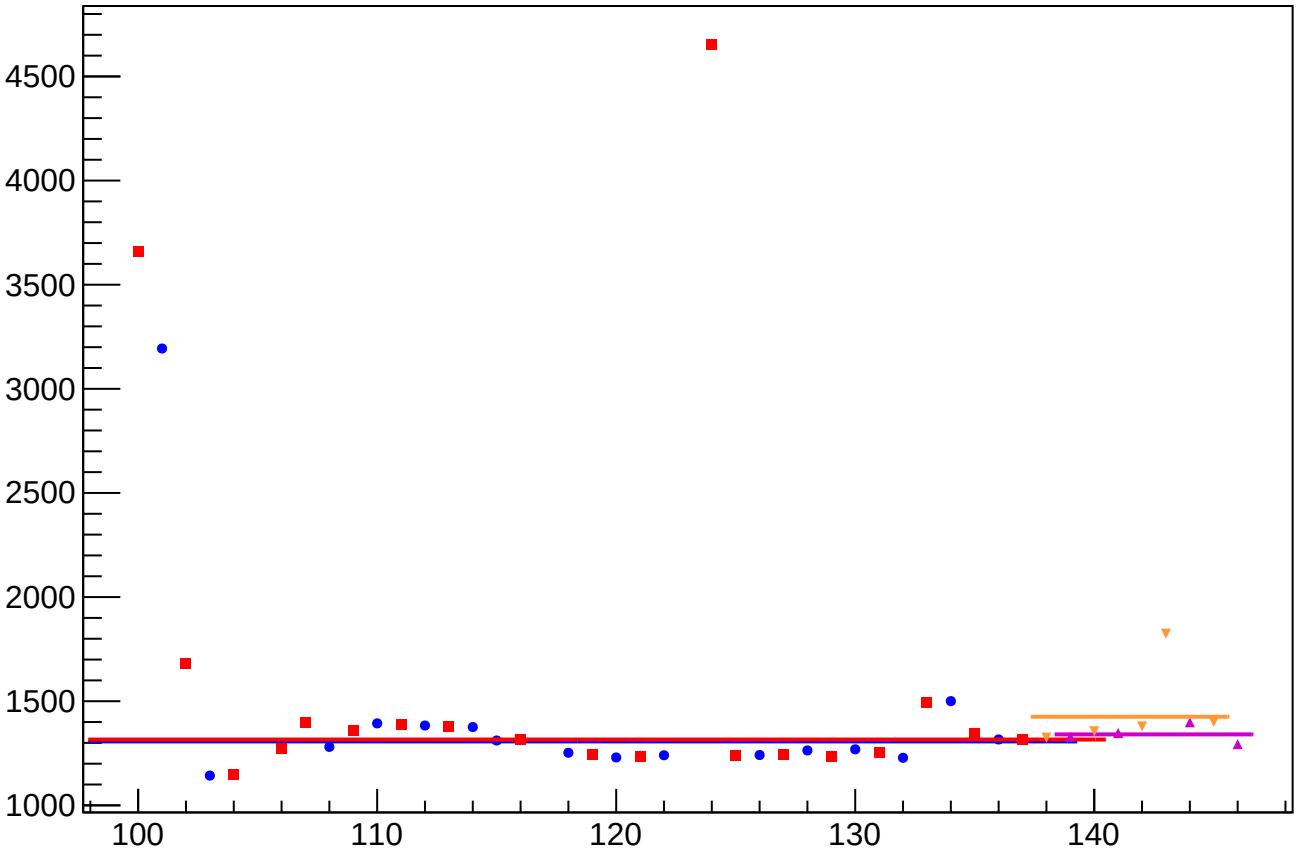
Left: 2972.948+/-515.802 χ^2/NDF: 7.8/8

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2965.440+/-406.929 χ^2/NDF:12.4/19

Out: 1938.938+/-412.366 χ^2/NDF:23.3/23

All: 2459.000+/-289.645 χ^2/NDF: 38.8/43



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1425.340+/-0.528 χ^2/NDF:92953.3/4

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

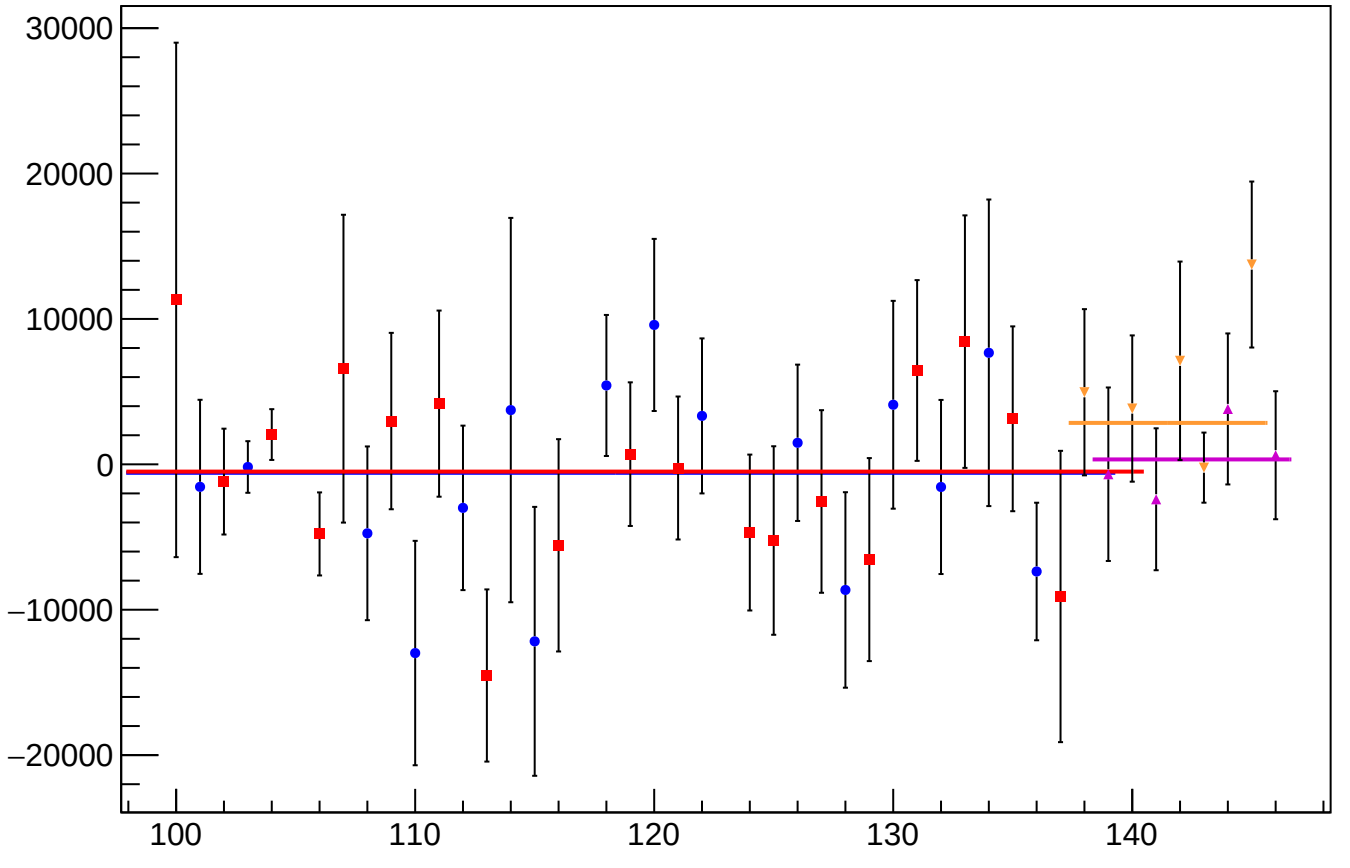
Left: 1381.113+/-0.365 χ^2/NDF: 112020.3/8

Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1318.000+/-0.288 χ^2/NDF:524871.2/19

Out: 1349.247+/-0.291 χ^2/NDF:449241.6/23

All: 1333.446+/-0.205 χ^2/NDF: 979941.8/43



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 2849.635+/-1843.171 χ^2/NDF:5.8/4

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 337.352+/-2509.765 χ^2/NDF:0.8/3

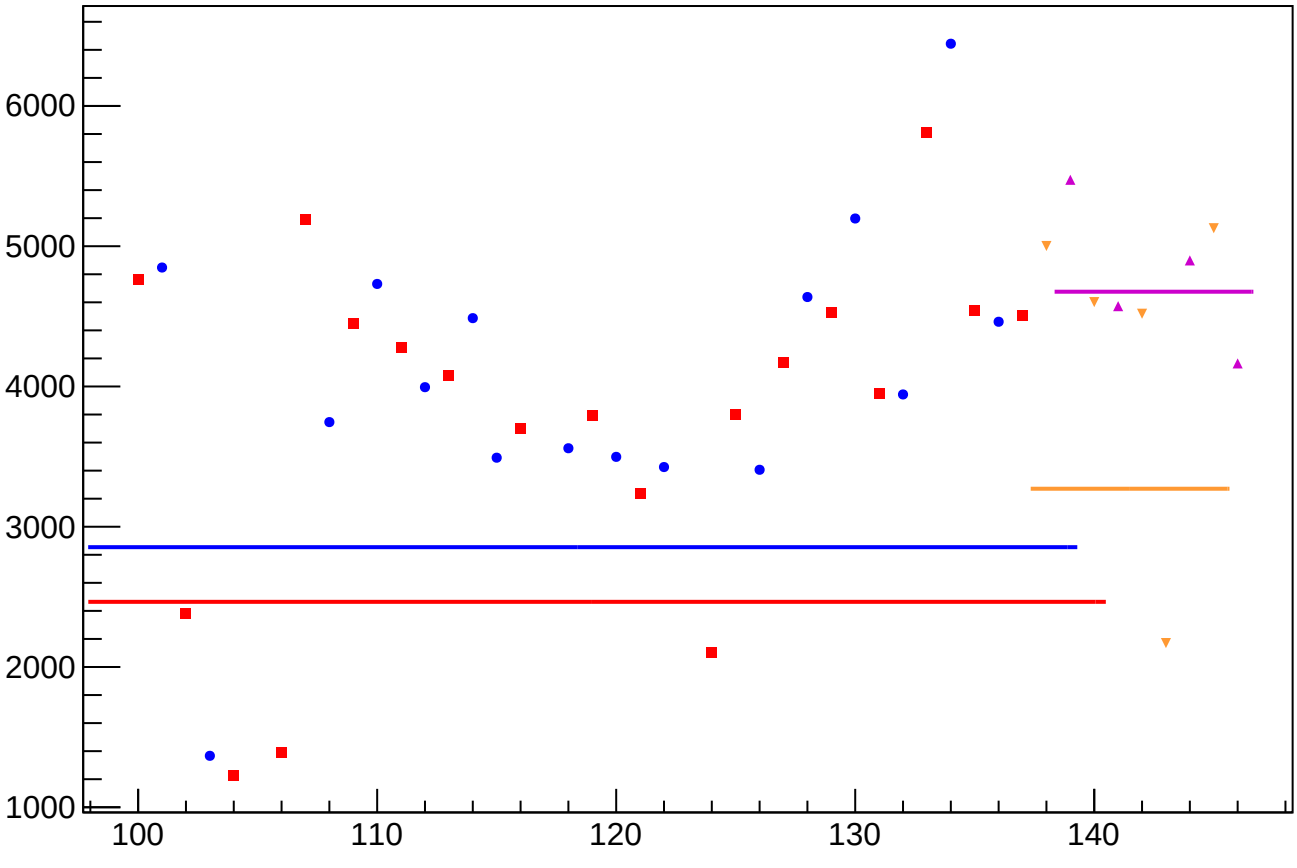
Left: 1969.401+/-1485.586 χ^2/NDF: 7.3/8

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -412.418+/-1077.365 χ^2/NDF:15.6/19

Out: 327.041+/-915.903 χ^2/NDF:26.0/23

All: 16.820+/-697.817 χ^2/NDF: 41.9/43



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3270.960+/-1.303 χ^2/NDF:1018509.5/4

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4675.621+/-1.775 χ^2/NDF:67341.9/3

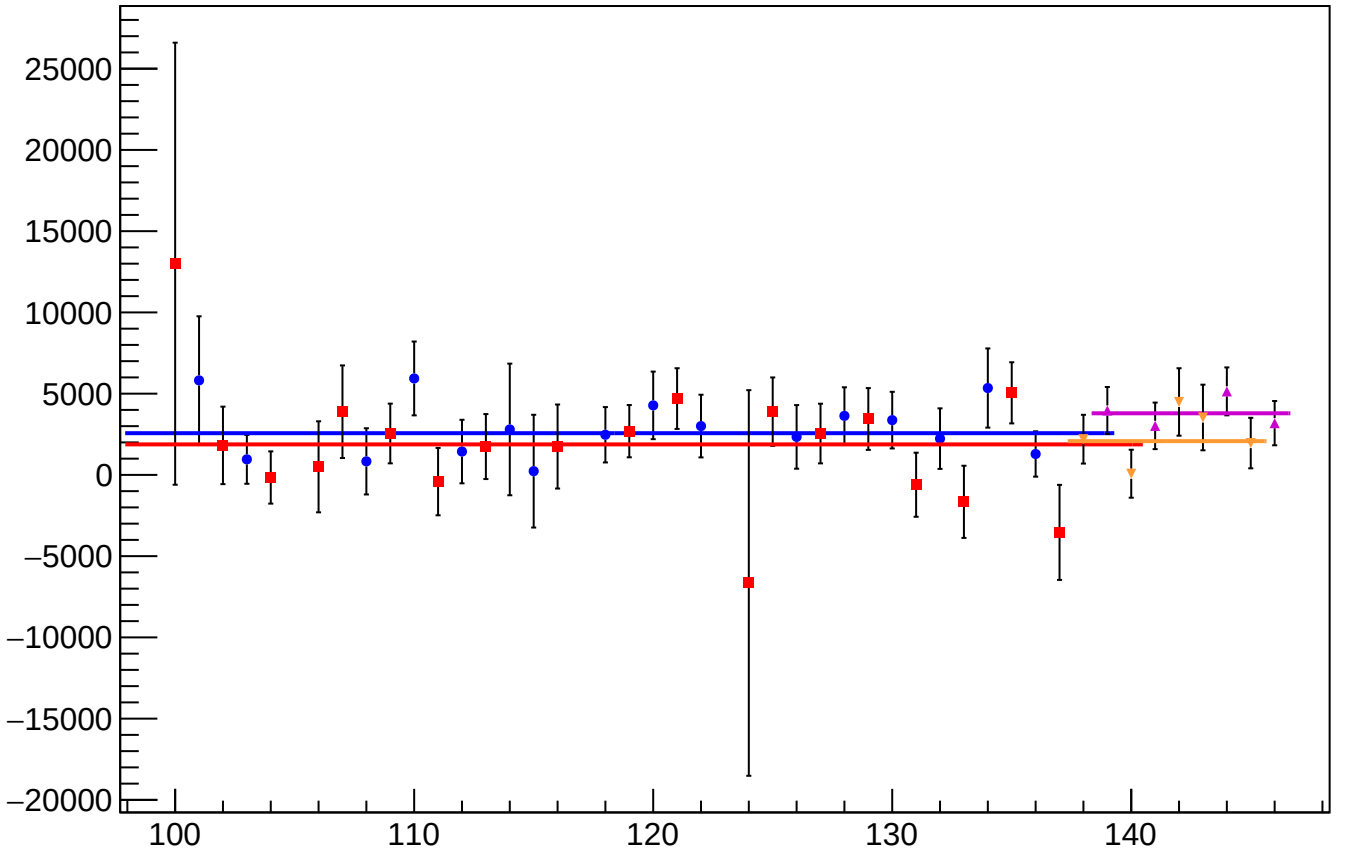
Left: 3763.114+/-1.050 χ^2/NDF: 1492830.0/8

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3189.918+/-0.762 χ^2/NDF:3831340.4/19

Out: 2663.707+/-0.648 χ^2/NDF:4662727.7/23

All: 2884.465+/-0.493 χ^2/NDF: 8771023.3/43



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2077.735+/-746.408 χ^2/NDF:3.7/4

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3791.568+/-713.605 χ^2/NDF:1.3/3

Left: 2973.138+/-515.802 χ^2/NDF: 7.8/8

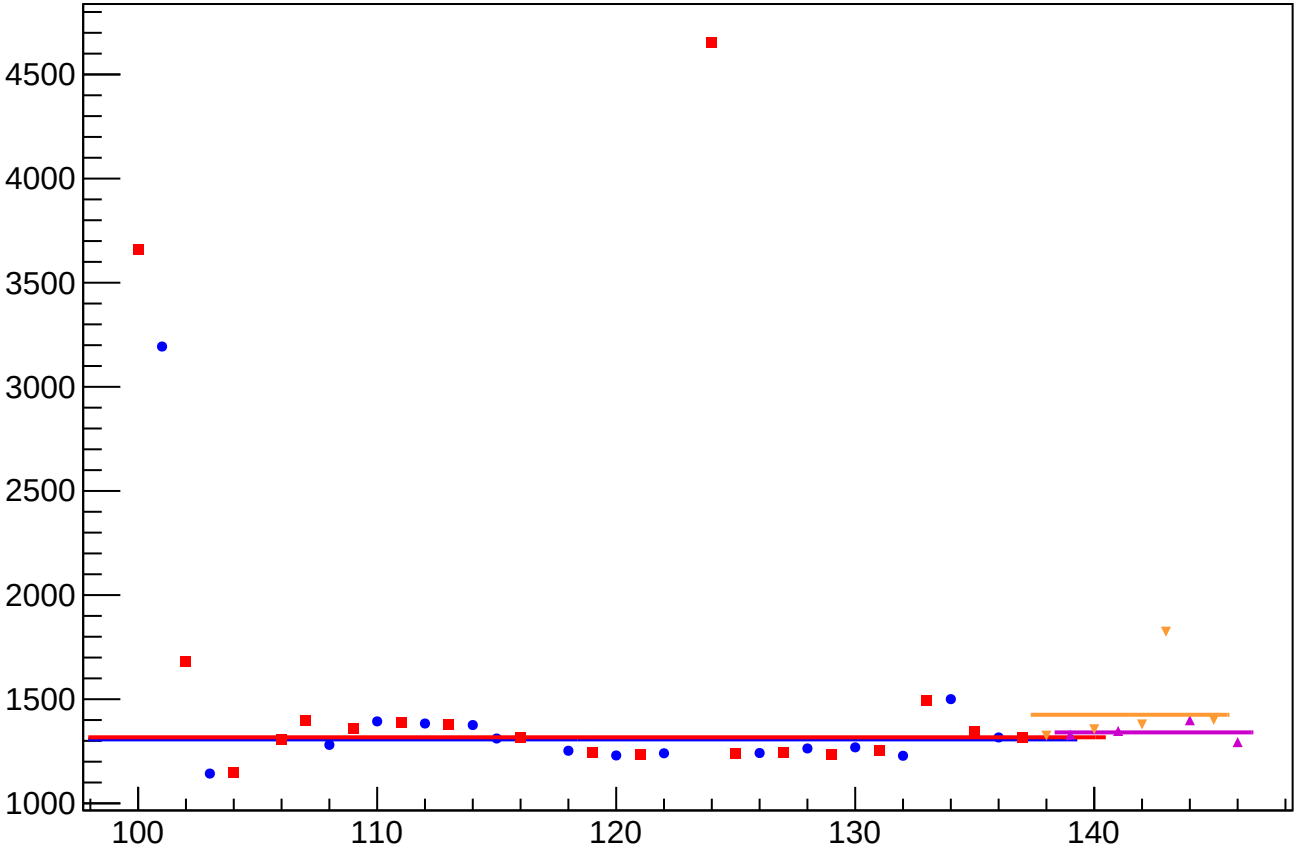
Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2965.325+/-406.929 χ^2/NDF:12.4/19

Out: 1938.806+/-412.366 χ^2/NDF:23.3/23

All: 2458.877+/-289.645 χ^2/NDF: 38.8/43

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: 1425.340+/-0.528 χ^2/NDF:92953.3/4

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

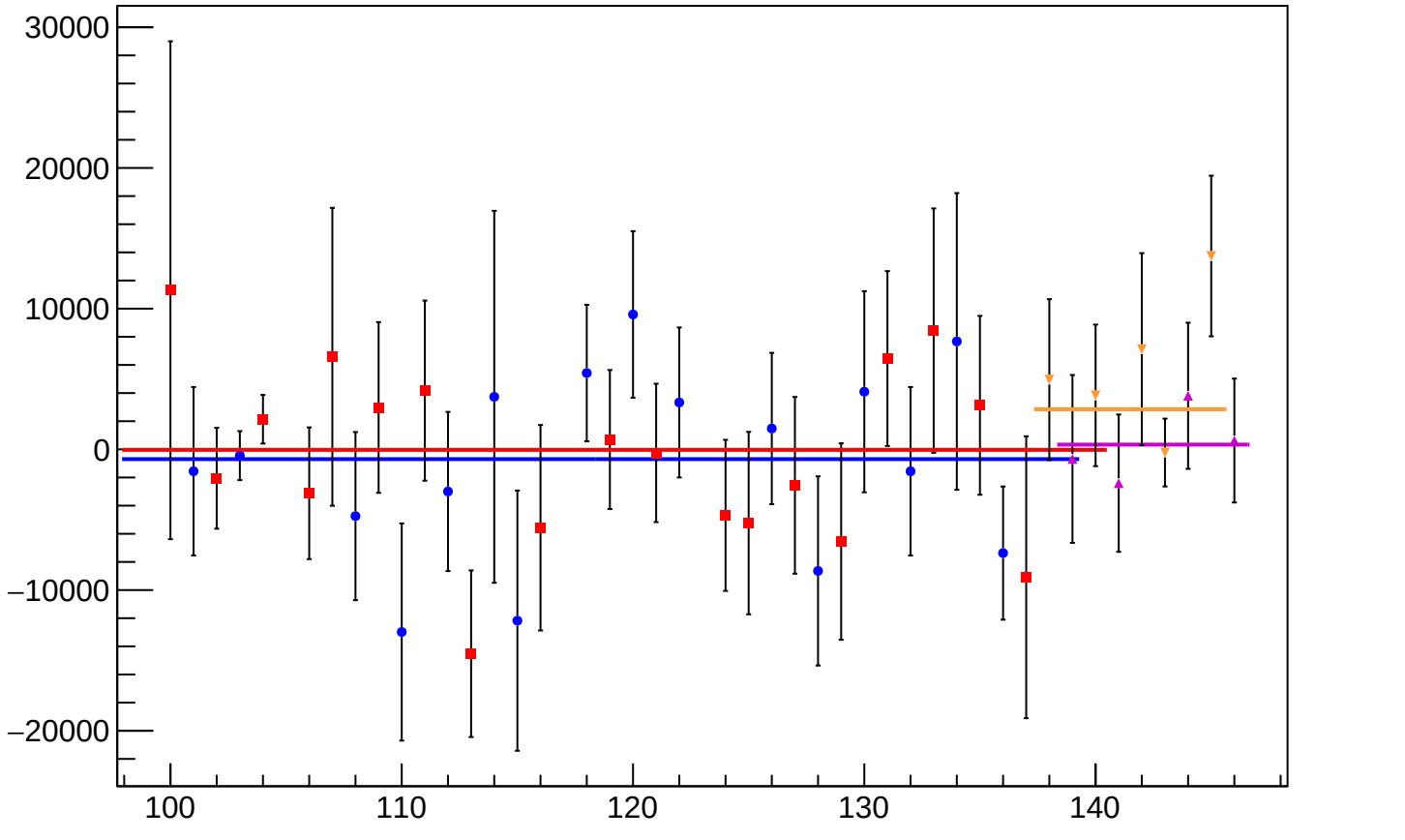
Left: 1381.113+/-0.365 χ^2/NDF: 112020.3/8

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1318.000+/-0.288 χ^2/NDF:524872.8/19

Out: 1350.069+/-0.291 χ^2/NDF:448120.5/23

All: 1333.843+/-0.205 χ^2/NDF: 979129.6/43



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 2849.684+/-1843.155 χ^2/NDF:5.8/4

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 337.382+/-2509.765 χ^2/NDF:0.8/3

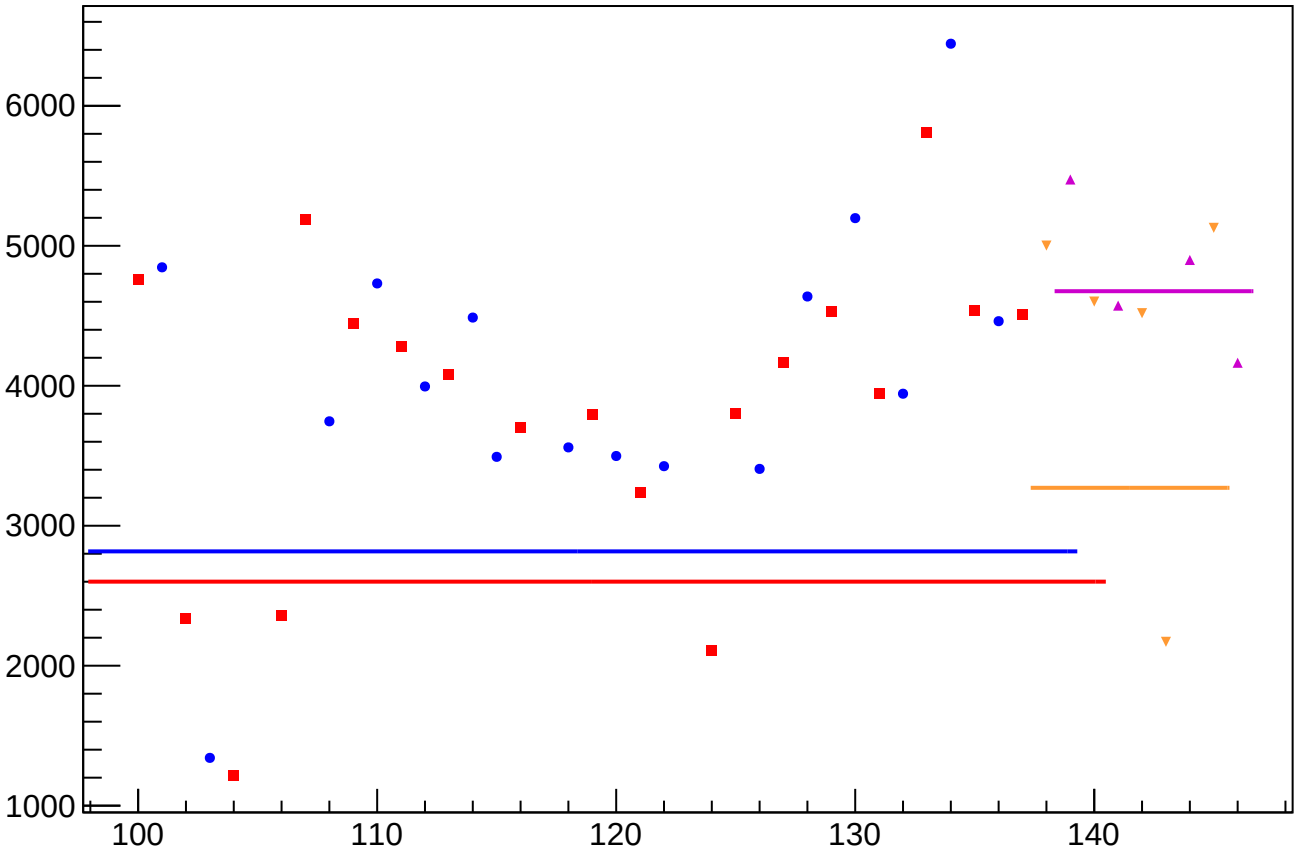
Left: 1969.453+/-1485.578 χ^2/NDF: 7.3/8

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -507.675+/-1069.663 χ^2/NDF:15.6/19

Out: 719.964+/-943.436 χ^2/NDF:23.6/23

All: 182.819+/-707.550 χ^2/NDF: 39.9/43



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3270.924+/-1.303 χ^2/NDF:1018537.4/4

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4675.620+/-1.775 χ^2/NDF:67342.4/3

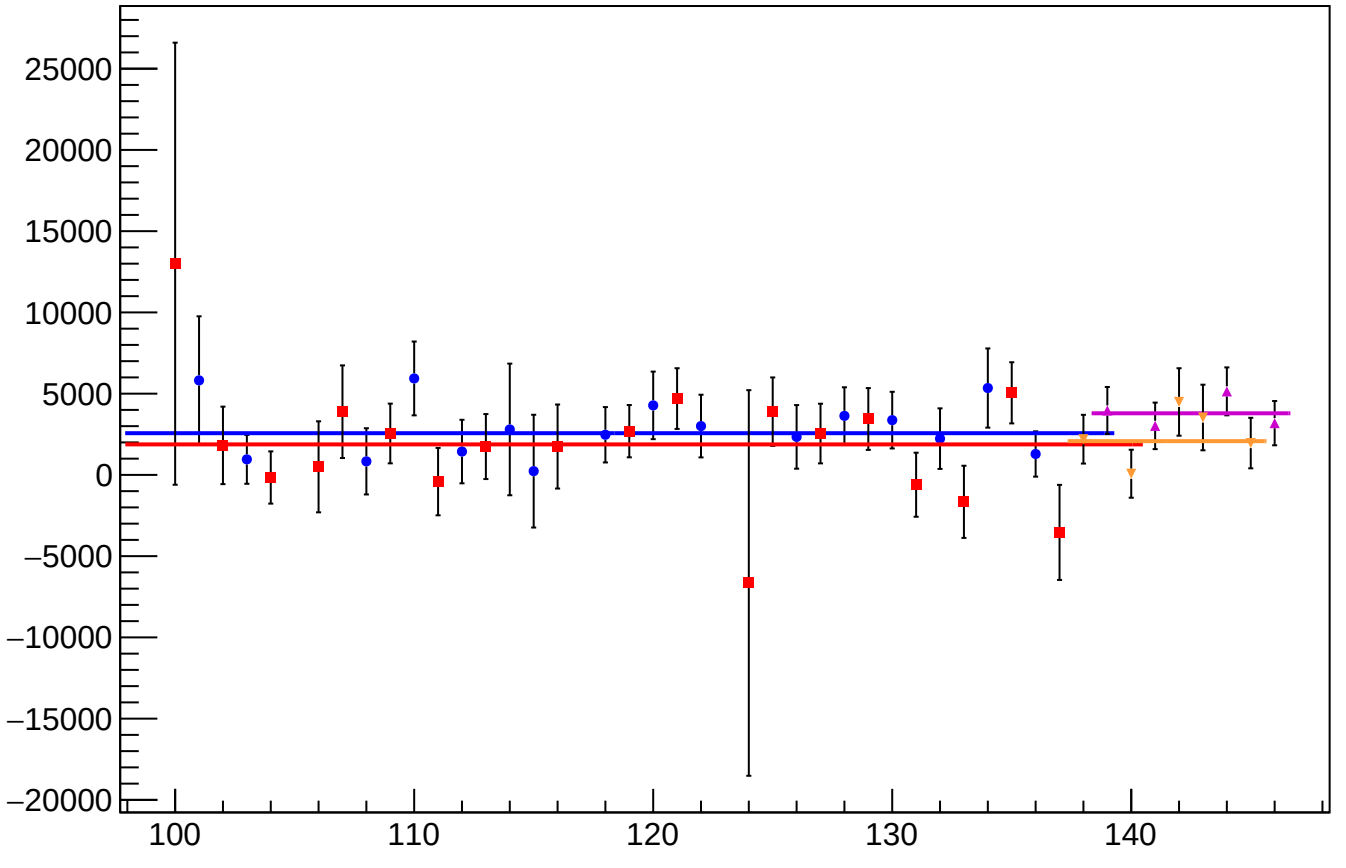
Left: 3763.085+/-1.050 χ^2/NDF: 1492880.8/8

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3154.435+/-0.756 χ^2/NDF:3972727.7/19

Out: 2776.169+/-0.667 χ^2/NDF:4294577.2/23

All: 2941.677+/-0.500 χ^2/NDF: 8407981.3/43



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 2077.735+/-746.408 χ^2/NDF:3.7/4

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3791.568+/-713.605 χ^2/NDF:1.3/3

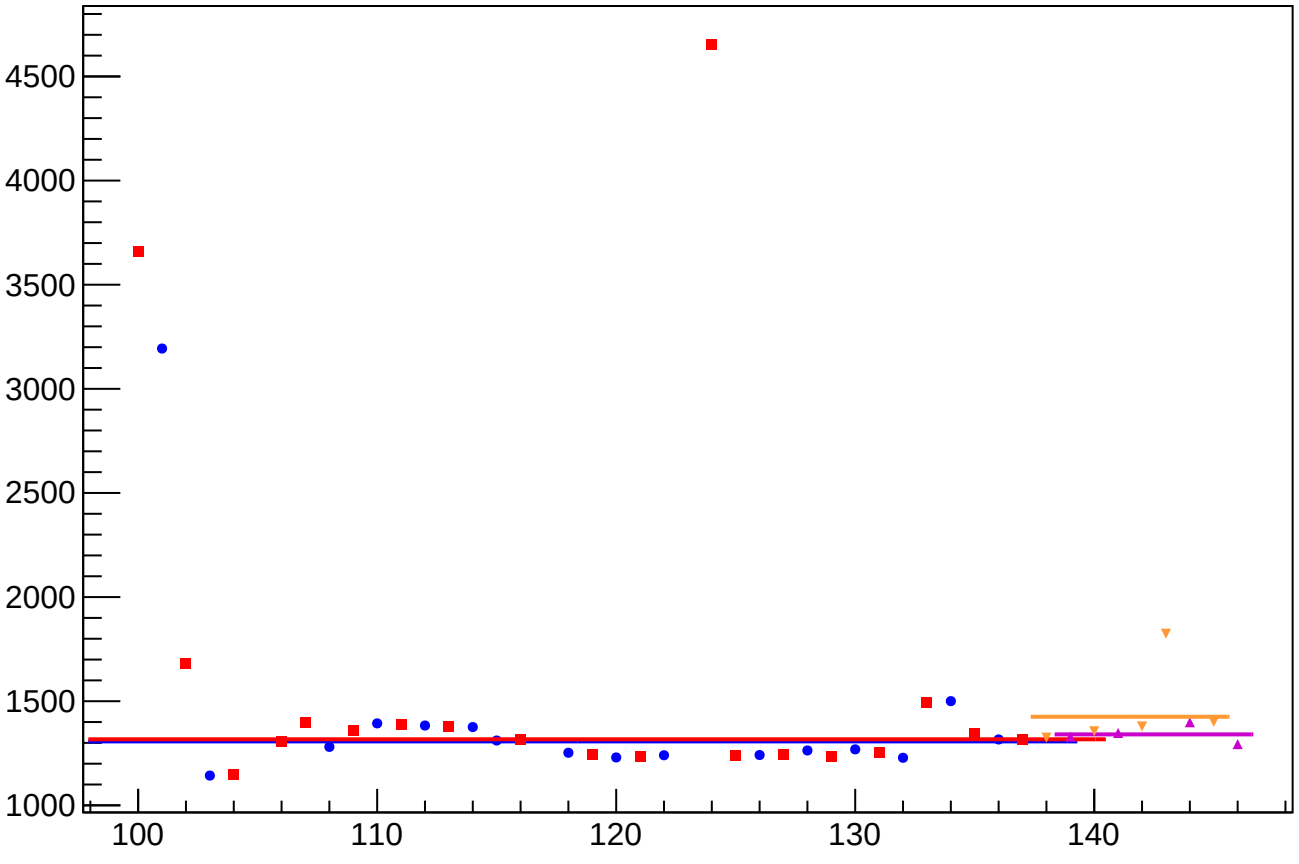
Left: 2973.138+/-515.802 χ^2/NDF: 7.8/8

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2965.325+/-406.929 χ^2/NDF:12.4/19

Out: 1938.806+/-412.366 χ^2/NDF:23.3/23

All: 2458.877+/-289.645 χ^2/NDF: 38.8/43



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1425.340+/-0.528 χ^2/NDF:92953.3/4

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

Left: 1381.113+/-0.365 χ^2/NDF: 112020.3/8

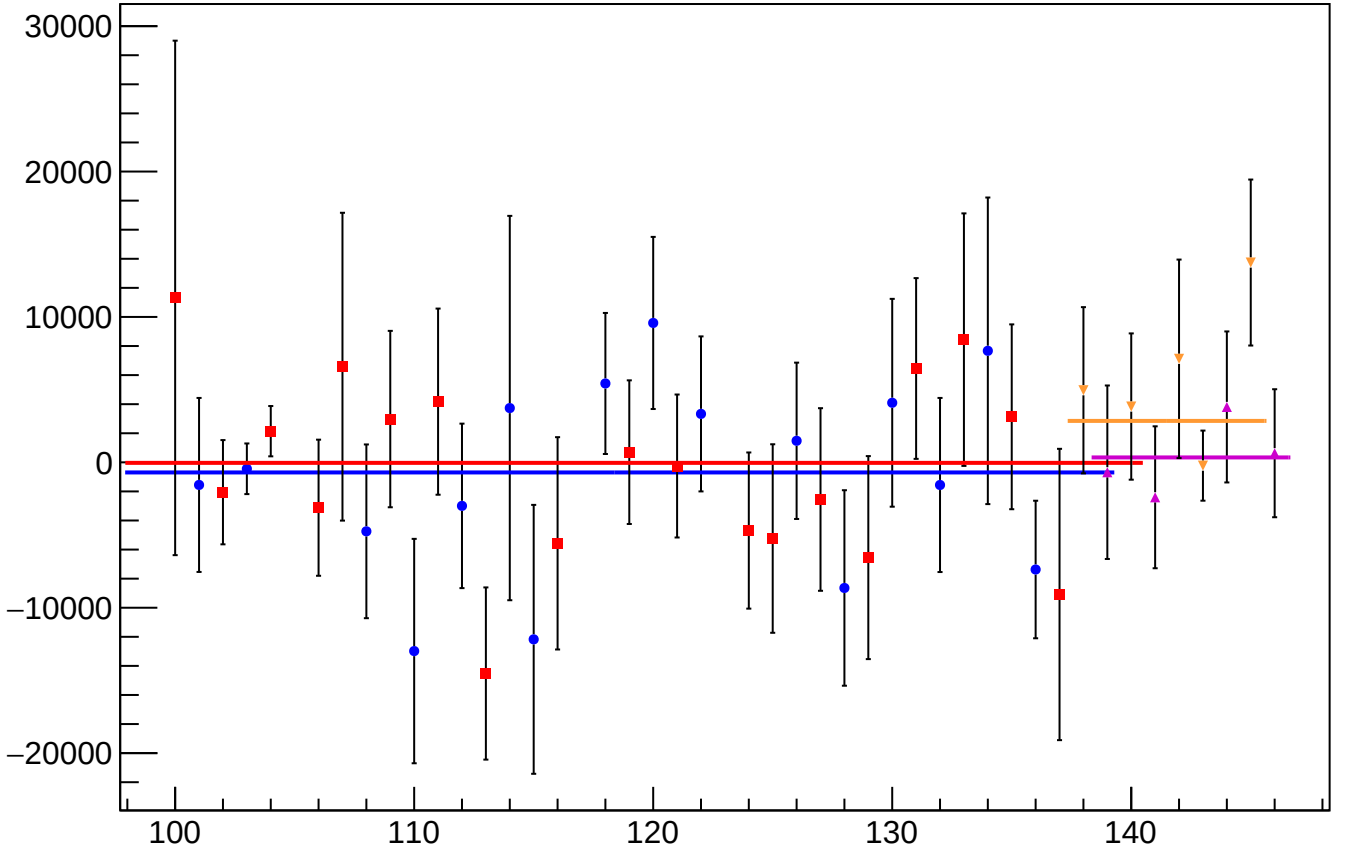
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1318.000+/-0.288 χ^2/NDF:524872.8/19

Out: 1350.069+/-0.291 χ^2/NDF:448120.5/23

All: 1333.843+/-0.205 χ^2/NDF: 979129.6/43

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 2849.684+/-1843.155 χ^2/NDF:5.8/4

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 337.382+/-2509.765 χ^2/NDF:0.8/3

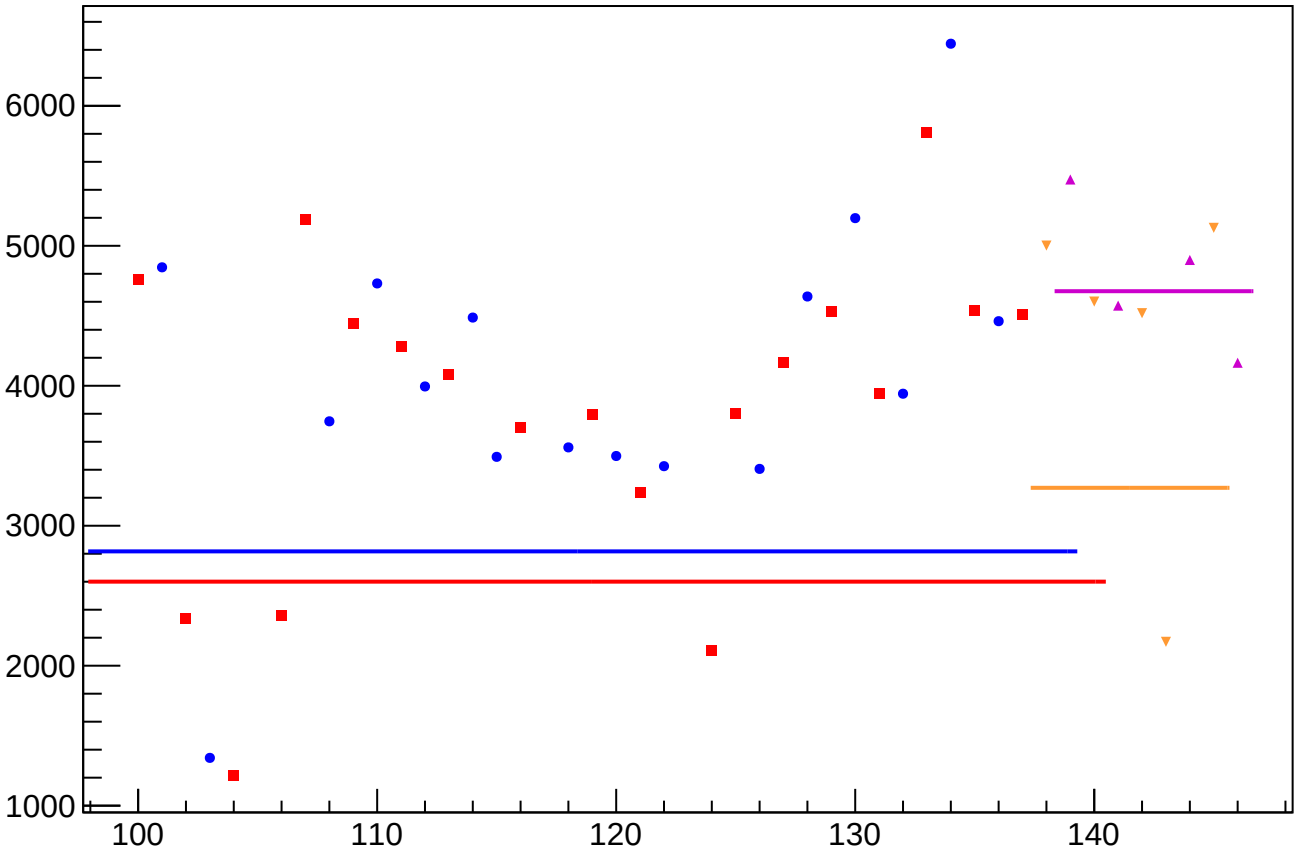
Left: 1969.453+/-1485.578 χ^2/NDF: 7.3/8

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -507.675+/-1069.663 χ^2/NDF:15.6/19

Out: 719.964+/-943.436 χ^2/NDF:23.6/23

All: 182.819+/-707.550 χ^2/NDF: 39.9/43



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3270.924+/-1.303 χ^2/NDF:1018537.4/4

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4675.620+/-1.775 χ^2/NDF:67342.4/3

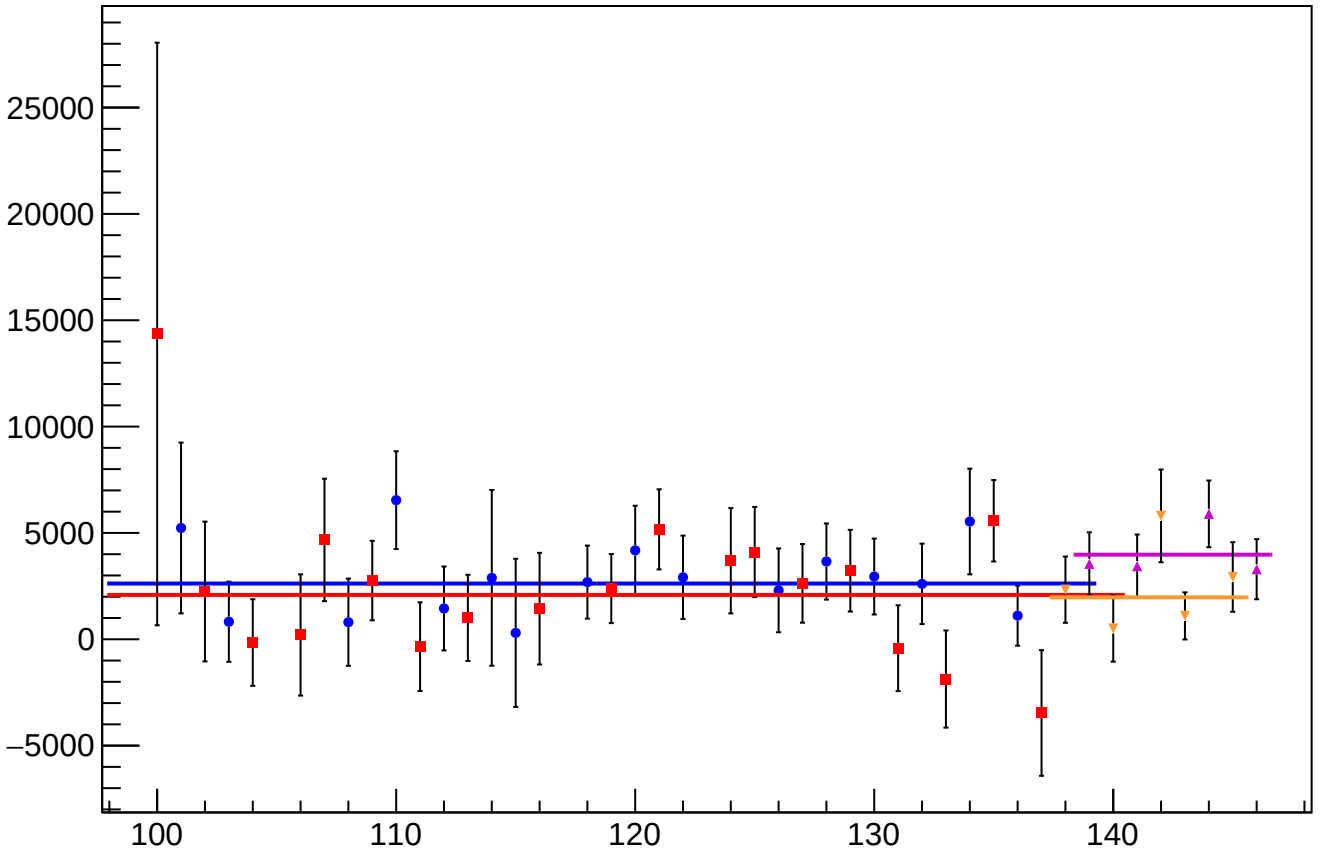
Left: 3763.085+/-1.050 χ^2/NDF: 1492880.8/8

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3154.435+/-0.756 χ^2/NDF:3972727.7/19

Out: 2776.169+/-0.667 χ^2/NDF:4294577.2/23

All: 2941.677+/-0.500 χ^2/NDF: 8407981.3/43



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1972.326+/-670.905 χ^2/NDF:5.0/4

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 3977.920+/-742.719 χ^2/NDF:1.9/3

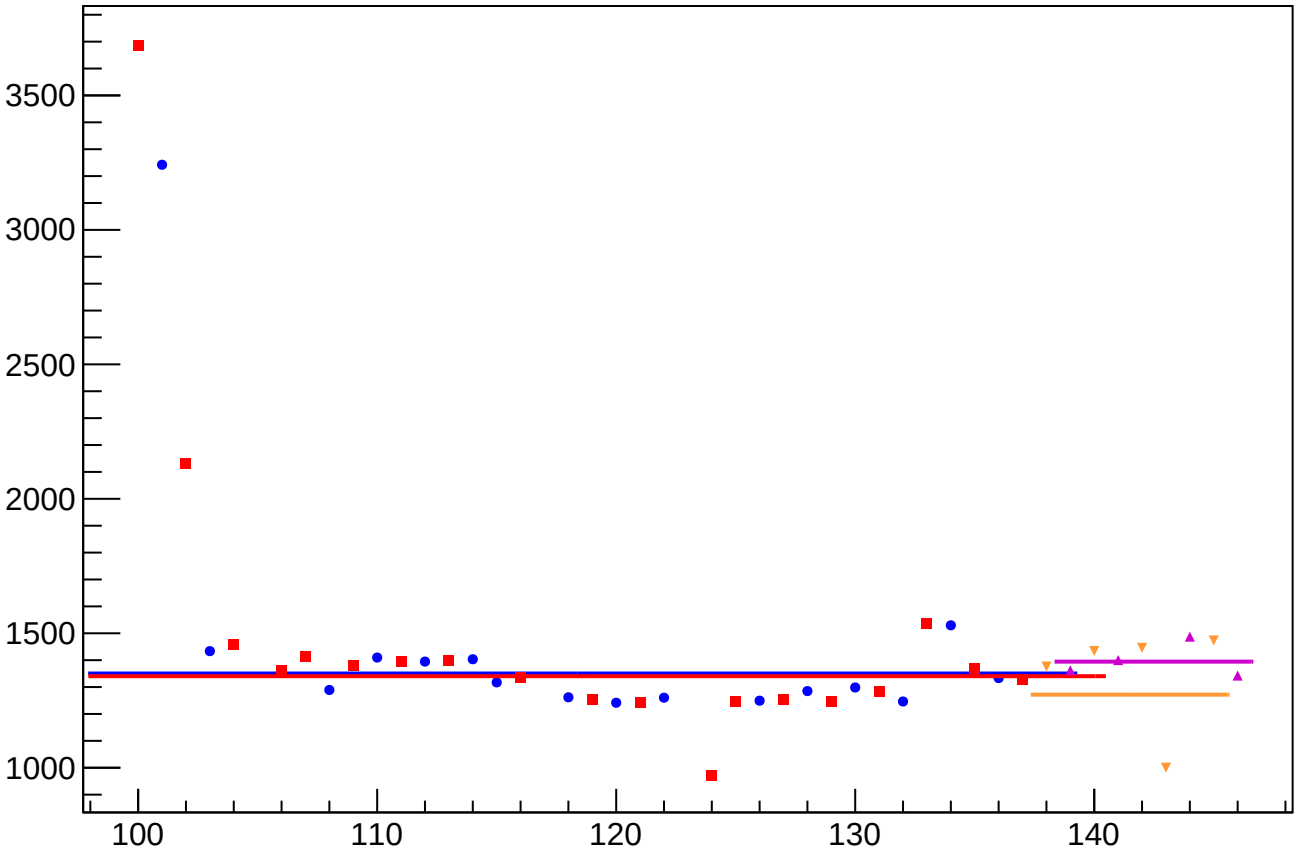
Left: 2873.498+/-497.860 χ^2/NDF: 10.9/8

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 3057.226+/-421.270 χ^2/NDF:13.5/19

Out: 2044.650+/-403.409 χ^2/NDF:26.0/23

All: 2529.018+/-291.363 χ^2/NDF: 42.5/43



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1271.784+/-0.474 χ^2/NDF:193903.7/4

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1394.575+/-0.525 χ^2/NDF:10689.5/3

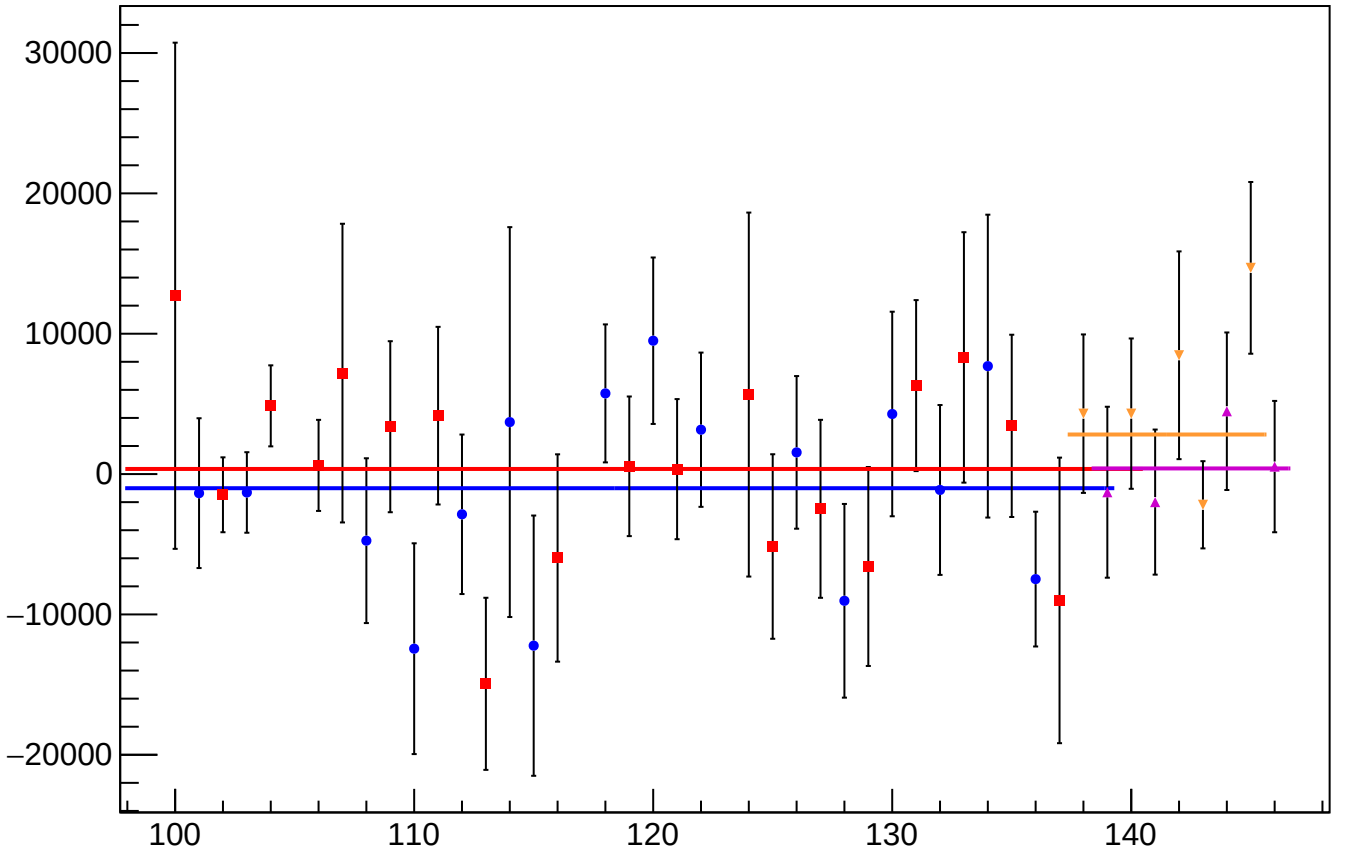
Left: 1326.957+/-0.352 χ^2/NDF: 234695.9/8

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1364.591+/-0.298 χ^2/NDF:509546.1/19

Out: 1315.630+/-0.285 χ^2/NDF:479460.8/23

All: 1339.041+/-0.206 χ^2/NDF: 1003104.8/43



Right In: -1006.752+/-1404.458 χ^2/NDF: 14.6/15

Left Out: 2819.293+/-2157.696 χ^2/NDF:7.1/4

Right Out: 364.493+/-1202.498 χ^2/NDF: 16.2/18

Left In: 401.303+/-2655.304 χ^2/NDF:0.8/3

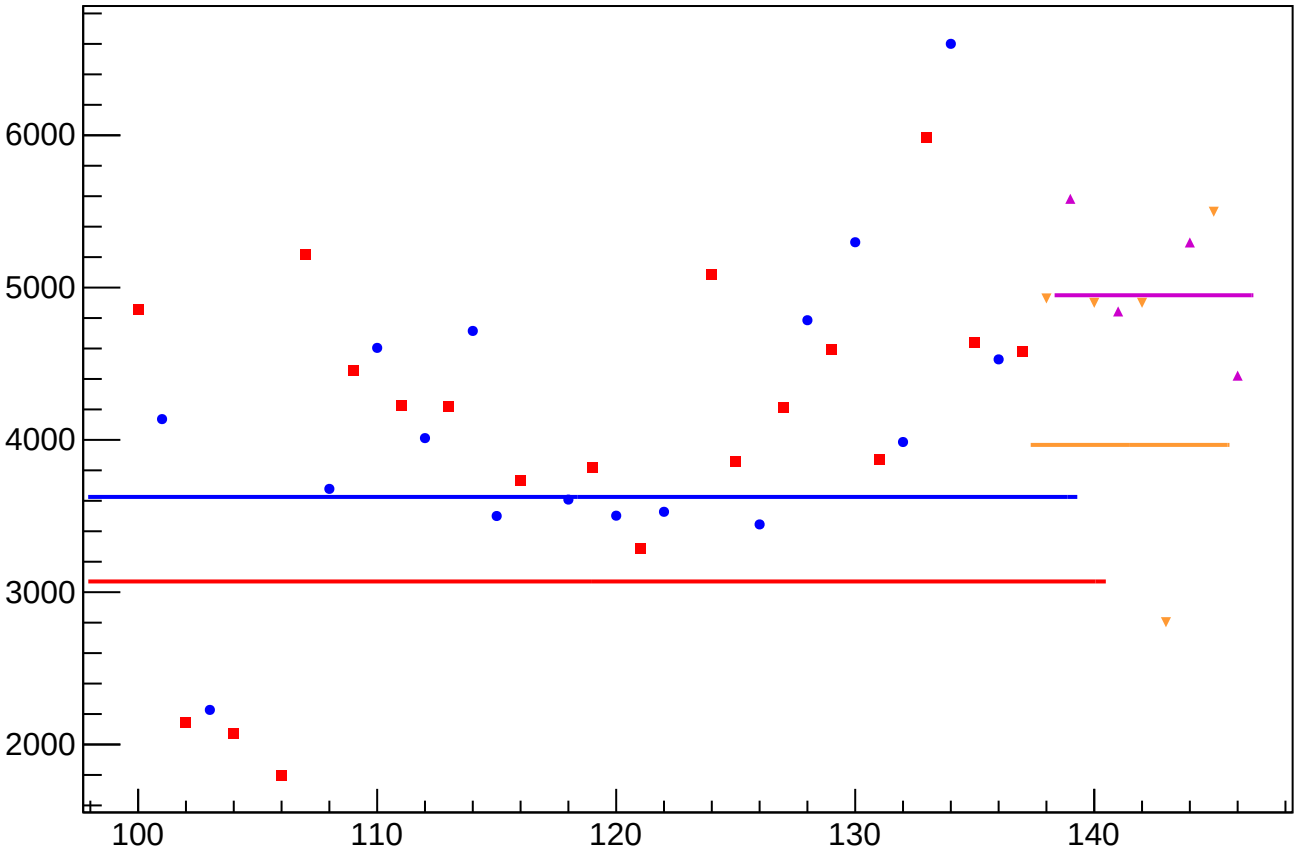
Left: 1857.646+/-1674.537 χ^2/NDF: 8.4/8

Right: -215.533+/-913.430 χ^2/NDF: 31.4/34

In: -698.944+/-1241.493 χ^2/NDF:15.6/19

Out: 946.245+/-1050.391 χ^2/NDF:24.3/23

All: 259.882+/-801.887 χ^2/NDF: 41.0/43



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 3967.098+/-1.526 χ^2/NDF:556480.1/4

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4949.646+/-1.878 χ^2/NDF:55562.4/3

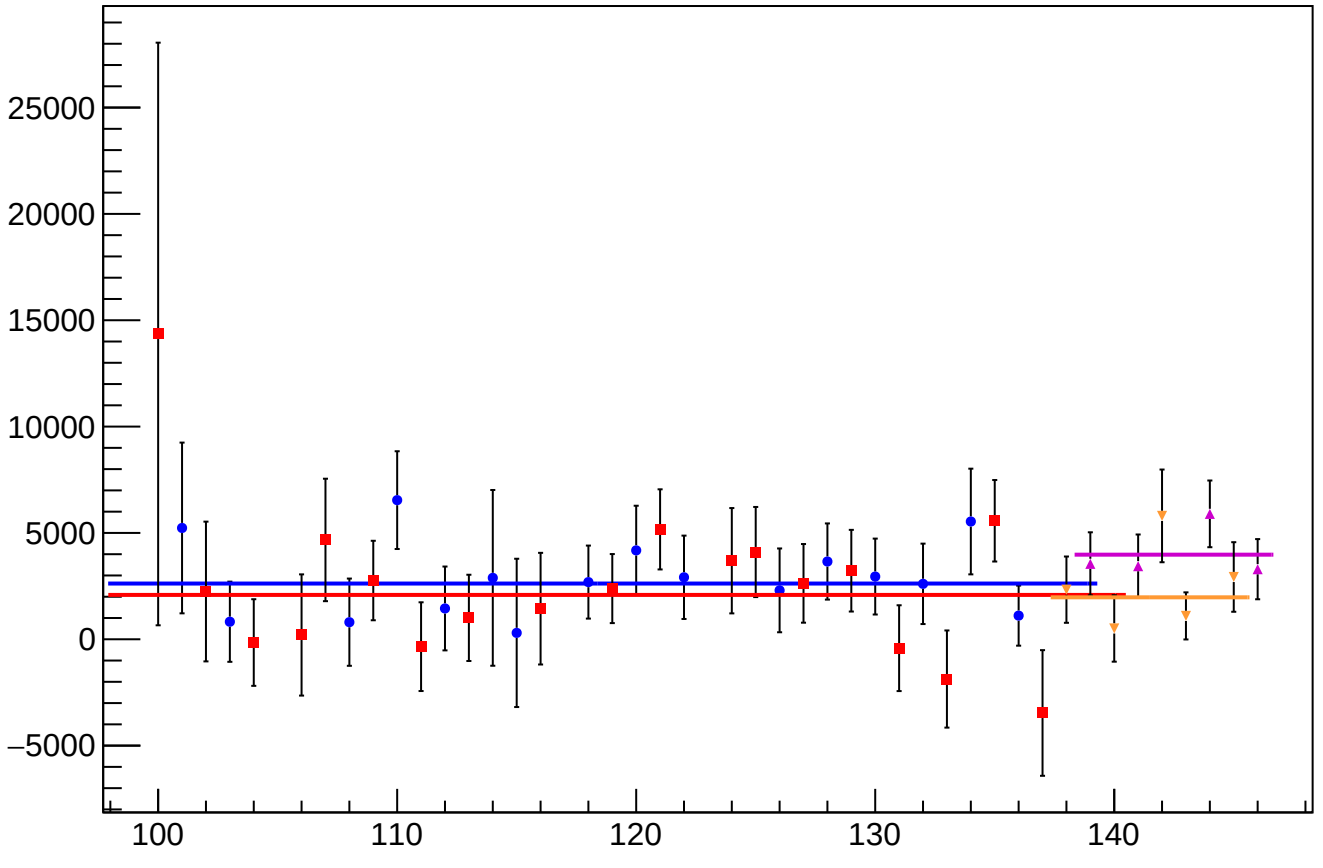
Left: 4357.862+/-1.184 χ^2/NDF: 776979.4/8

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3914.974+/-0.878 χ^2/NDF:1389097.5/19

Out: 3282.937+/-0.743 χ^2/NDF:2658671.9/23

All: 3546.619+/-0.567 χ^2/NDF: 4349869.9/43



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1972.334+/-670.905 χ^2/NDF:5.0/4

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 3977.915+/-742.720 χ^2/NDF:1.9/3

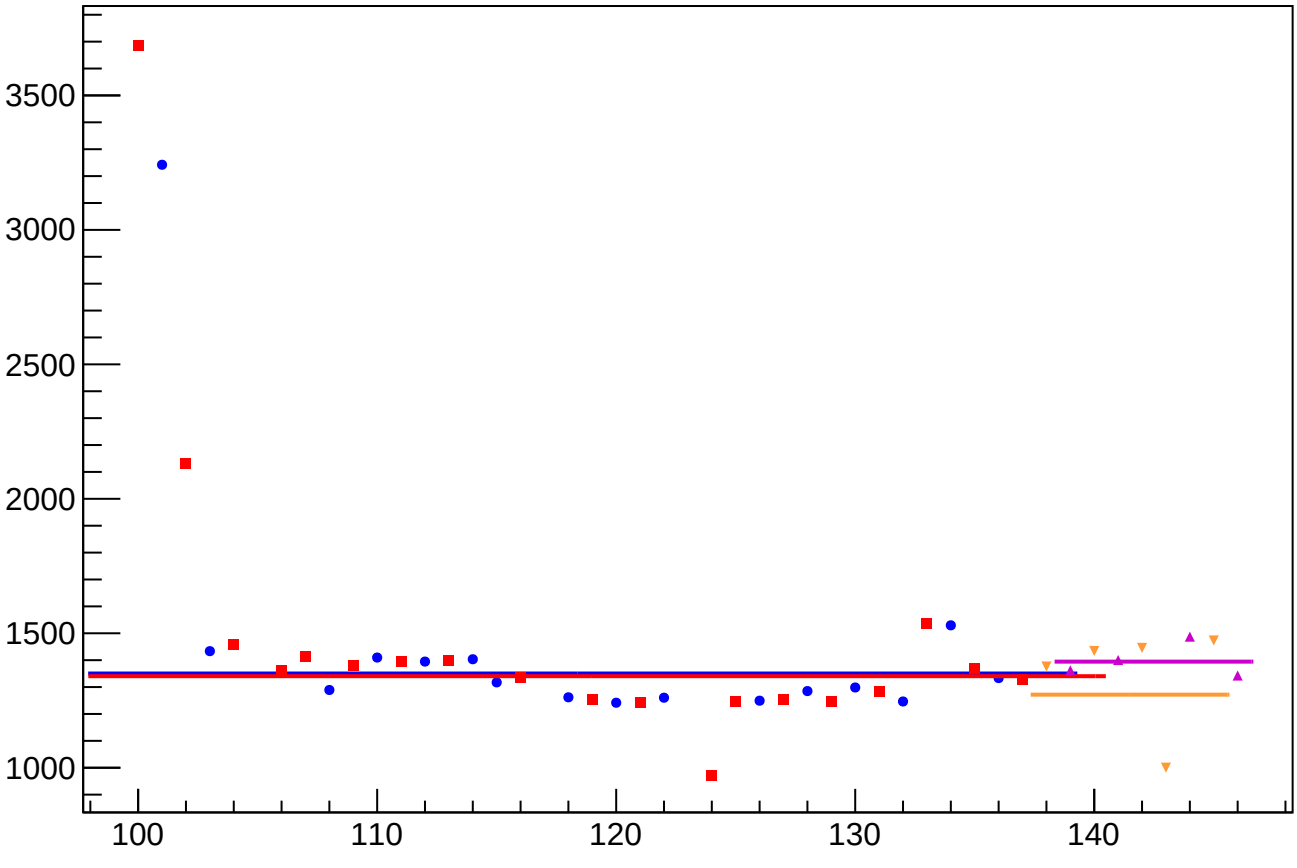
Left: 2873.499+/-497.860 χ^2/NDF: 10.9/8

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 3057.224+/-421.270 χ^2/NDF:13.5/19

Out: 2044.654+/-403.409 χ^2/NDF:26.0/23

All: 2529.019+/-291.363 χ^2/NDF: 42.5/43



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1271.785+/-0.474 χ^2/NDF:193903.9/4

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1394.576+/-0.525 χ^2/NDF:10689.6/3

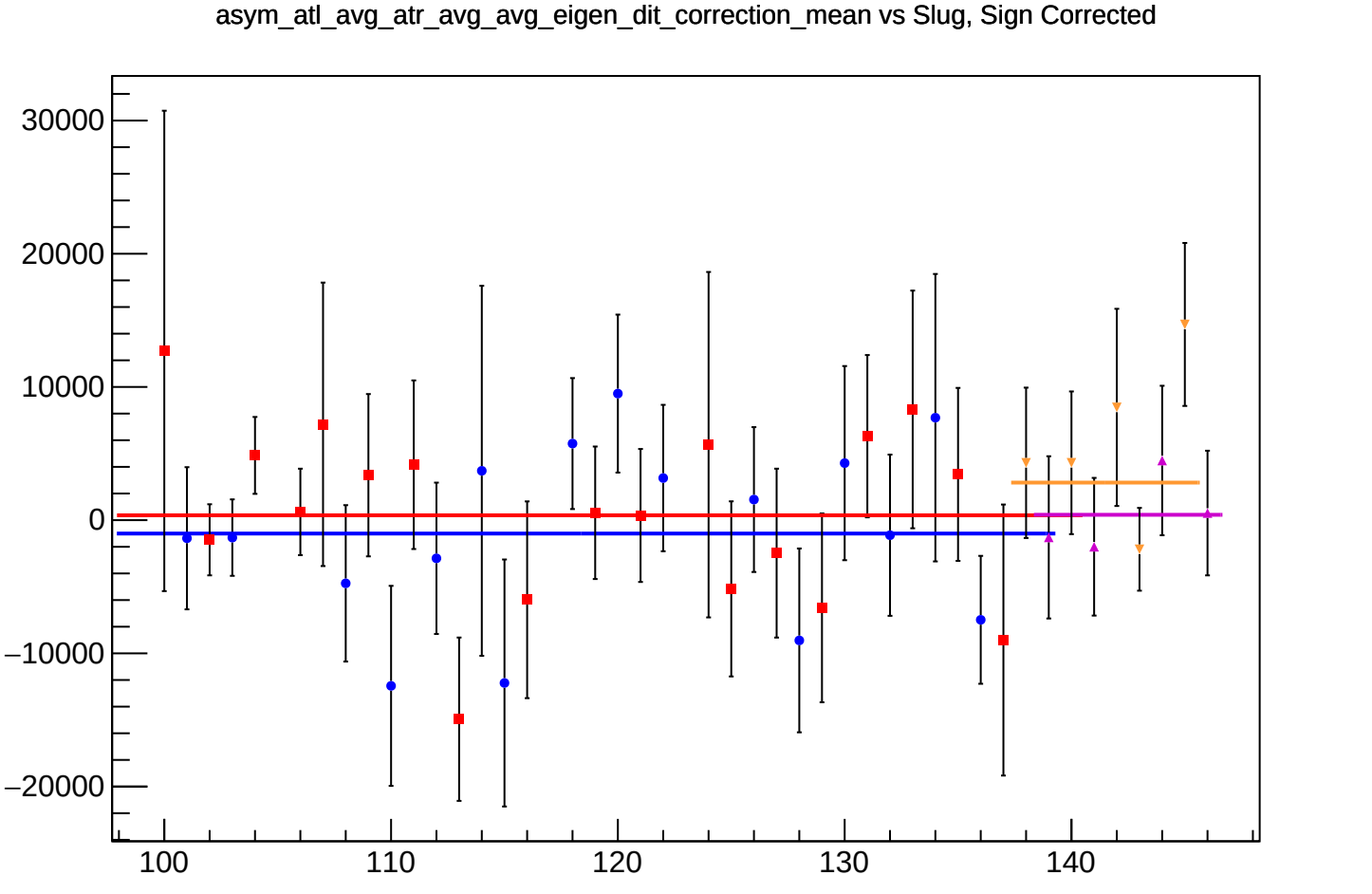
Left: 1326.958+/-0.352 χ^2/NDF: 234696.3/8

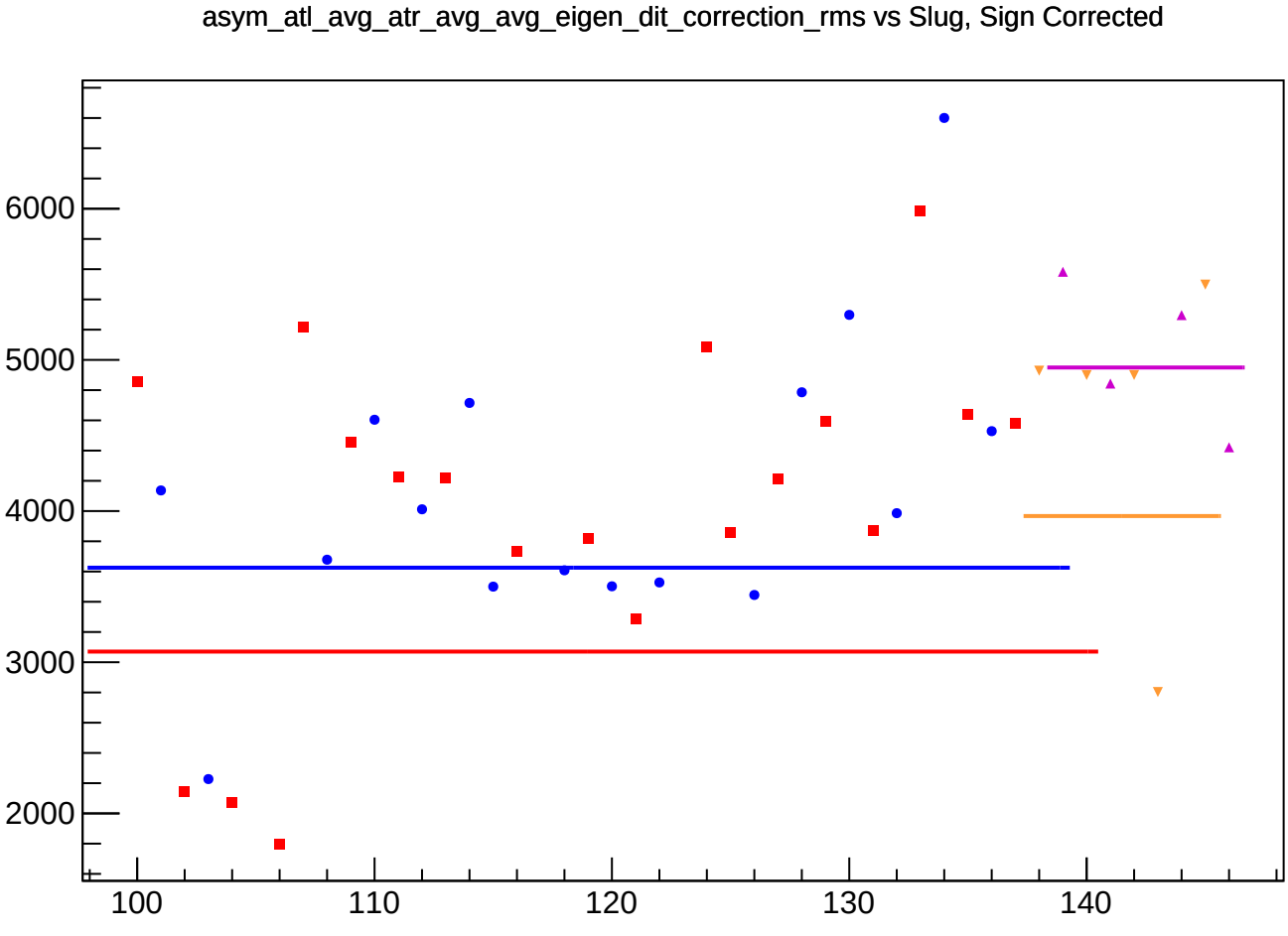
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1364.591+/-0.298 χ^2/NDF:509546.7/19

Out: 1315.630+/-0.285 χ^2/NDF:479459.5/23

All: 1339.041+/-0.206 χ^2/NDF: 1003104.0/43


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
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: 2819.297+/-2157.700 χ²/NDF:7.1/4
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 401.297+/-2655.308 χ²/NDF:0.8/3
Left: 1857.646+/-1674.540 χ²/NDF: 8.4/8
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -698.940+/-1241.491 χ²/NDF:15.6/19
Out: 946.243+/-1050.389 χ²/NDF:24.3/23
All: 259.883+/-801.886 χ²/NDF: 41.0/43


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
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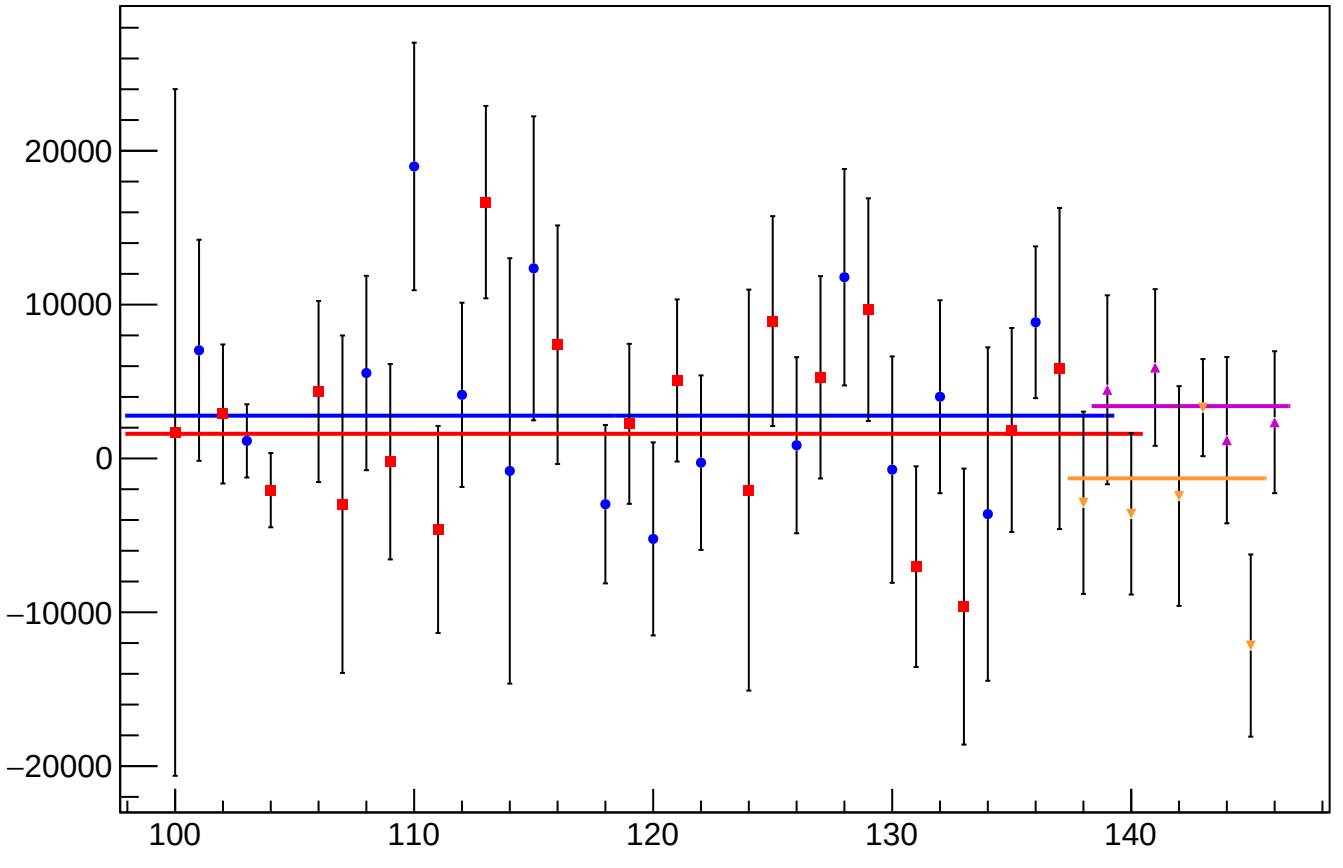
3000
2000
100
110
120
130
140
Right In: 3625.503+/-0.993 χ²/NDF: 944907.6/15
Left Out: 3967.106+/-1.526 χ²/NDF:556480.3/4
Right Out: 3070.434+/-0.850 χ²/NDF: 1838662.0/18
Left In: 4949.653+/-1.878 χ²/NDF:55562.9/3
Left: 4357.870+/-1.184 χ²/NDF: 776979.6/8
Right: 3305.224+/-0.646 χ²/NDF: 2963825.9/34
In: 3914.967+/-0.878 χ²/NDF:1389109.4/19
Out: 3282.930+/-0.743 χ²/NDF:2658683.9/23
All: 3546.612+/-0.567 χ²/NDF: 4349893.9/43



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -1290.777+/-2164.745 χ^2/NDF:5.8/4

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 3403.336+/-2614.680 χ^2/NDF:0.5/3

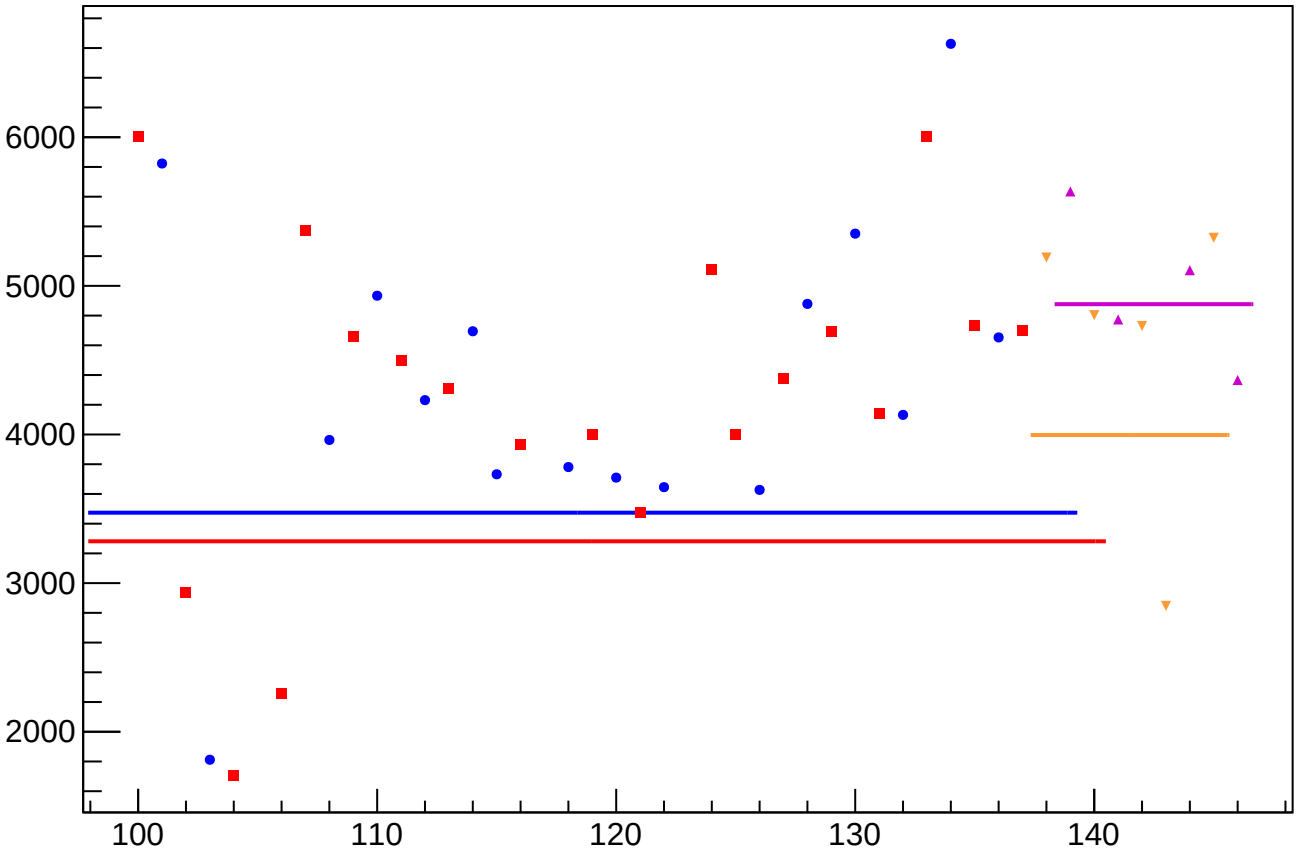
Left: 618.258+/-1667.434 χ^2/NDF: 8.2/8

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2917.945+/-1226.960 χ^2/NDF:13.7/19

Out: 803.660+/-1137.539 χ^2/NDF:23.9/23

All: 1780.959+/-834.185 χ^2/NDF: 39.2/43



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3996.578+/-1.531 χ^2/NDF:515548.8/4

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4876.717+/-1.849 χ^2/NDF:59384.5/3

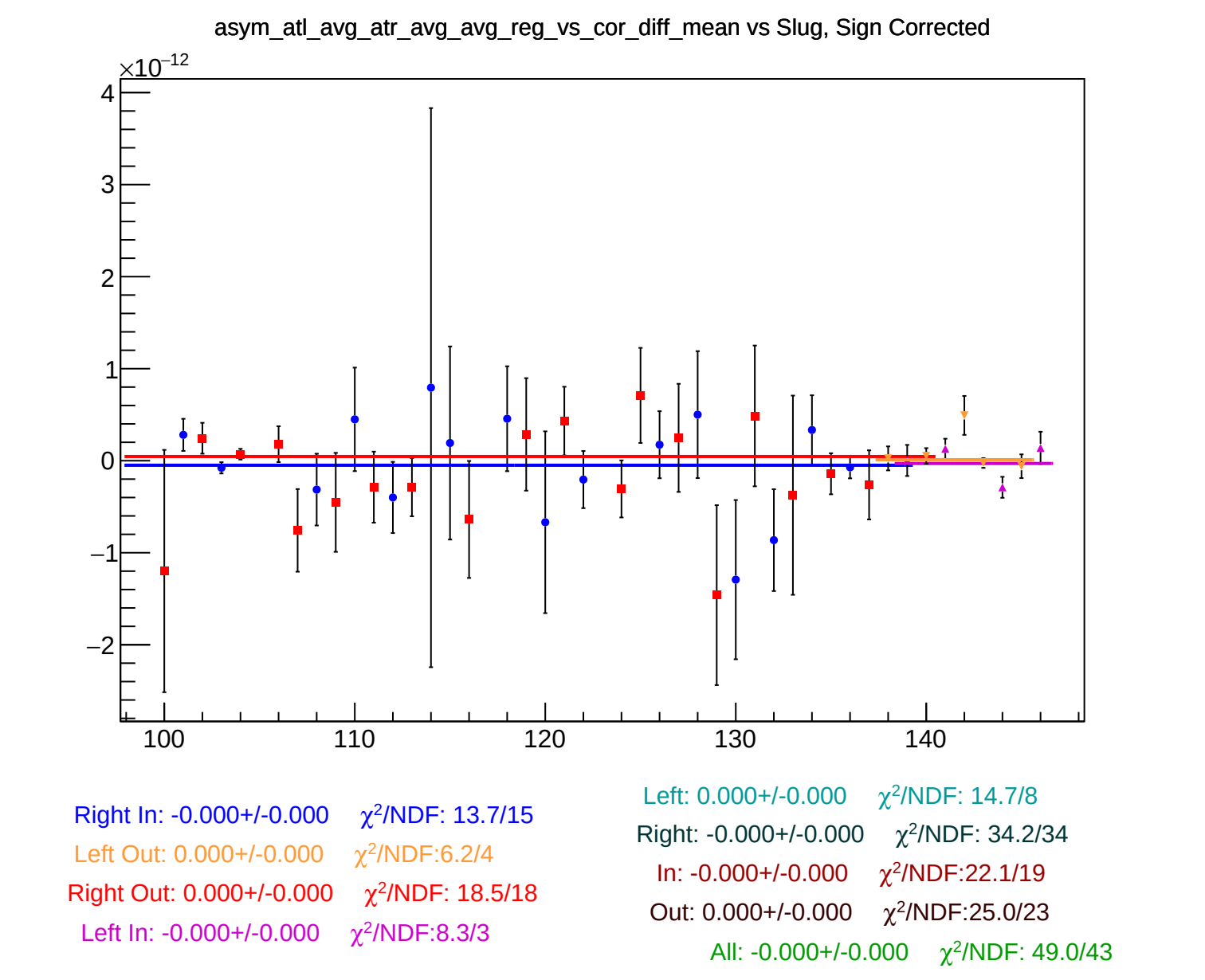
Left: 4354.519+/-1.179 χ^2/NDF: 709388.9/8

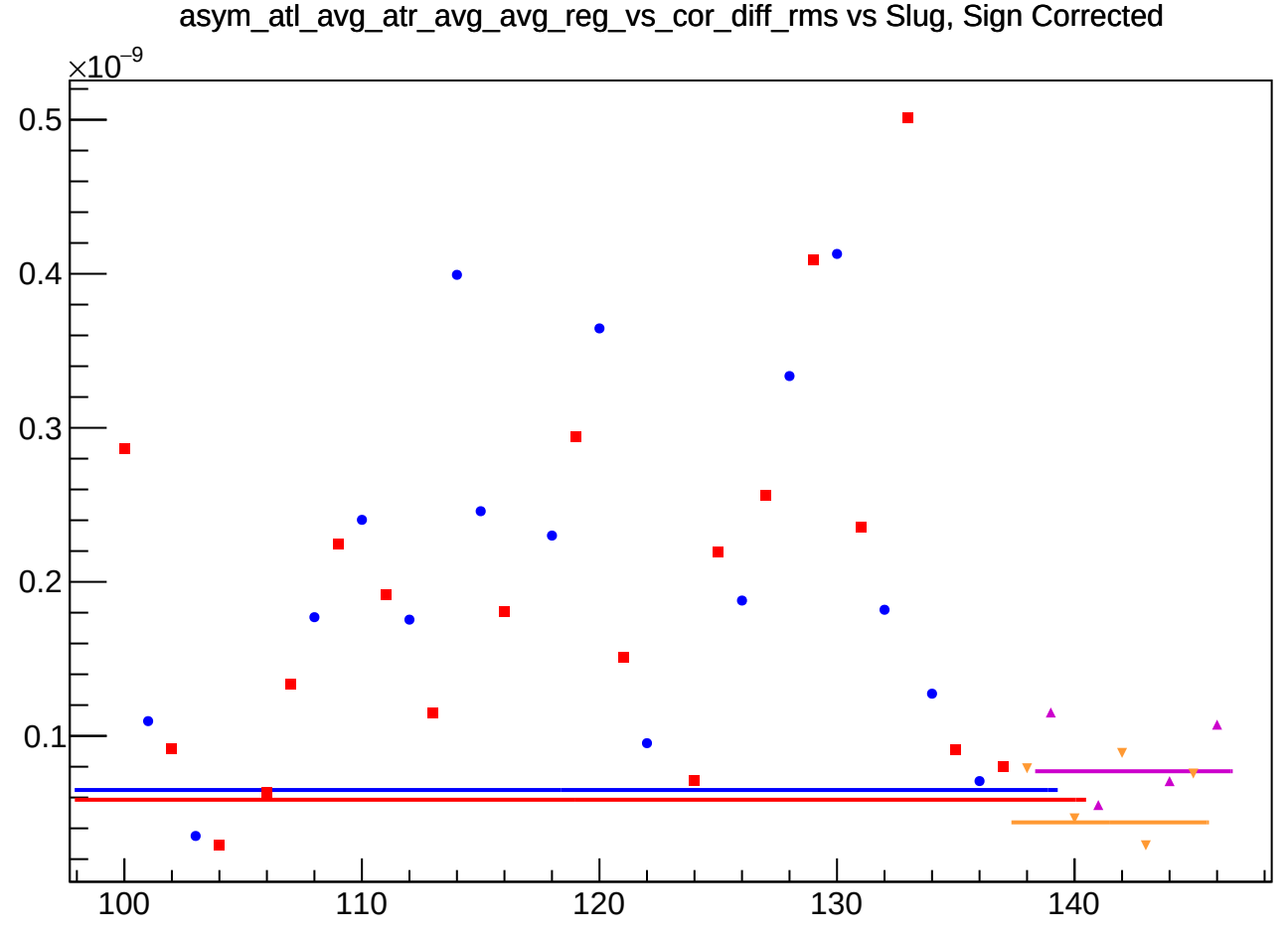
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3782.799+/-0.868 χ^2/NDF:2352279.1/19

Out: 3475.032+/-0.796 χ^2/NDF:2550218.3/23

All: 3615.765+/-0.587 χ^2/NDF: 4970794.6/43


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
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:6.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:8.3/3
Left: 0.000+/-0.000 χ²/NDF: 14.7/8
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:22.1/19
Out: 0.000+/-0.000 χ²/NDF:25.0/23
All: -0.000+/-0.000 χ²/NDF: 49.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:517460.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:248283.7/3

Left: 0.000+/-0.000 χ^2/NDF: 1135833.4/8

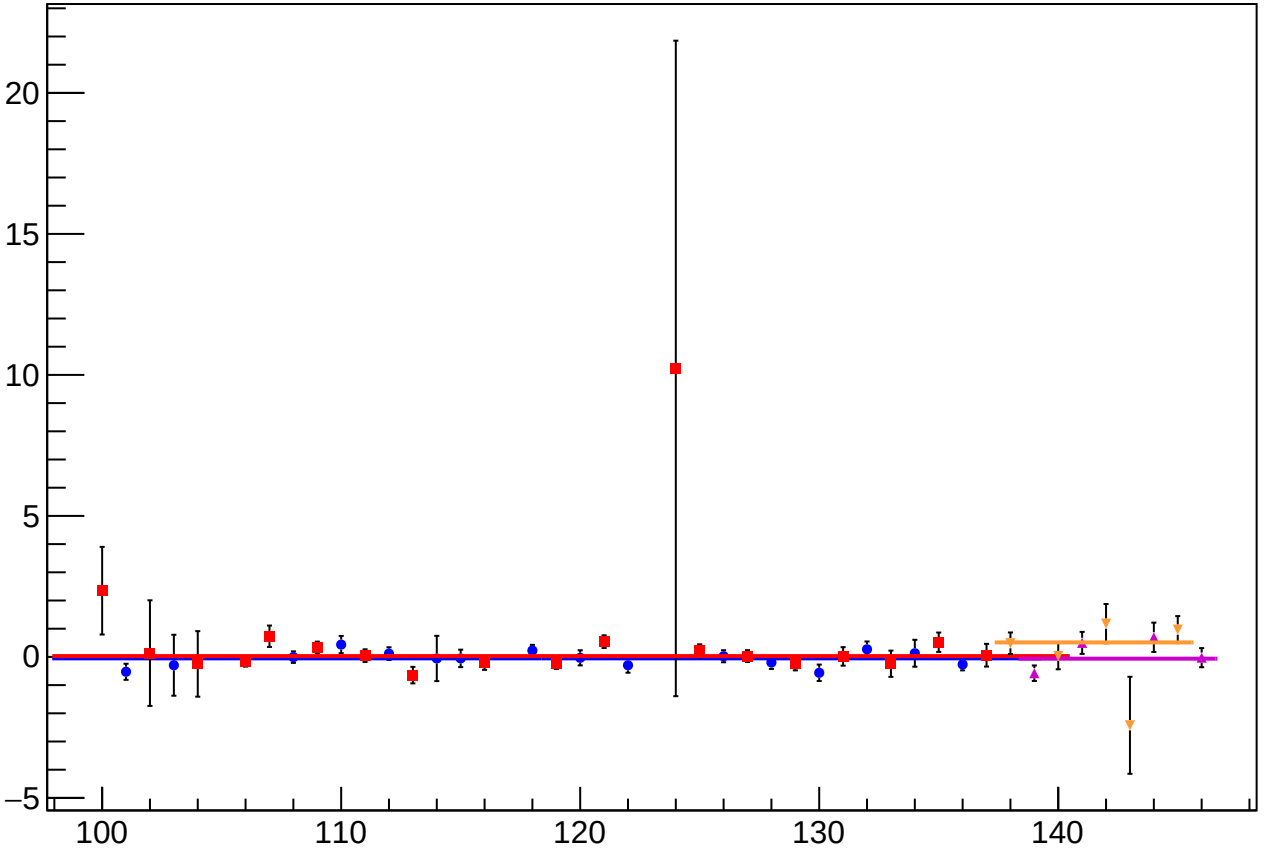
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:2885139.3/19

Out: 0.000+/-0.000 χ^2/NDF:3485299.6/23

All: 0.000+/-0.000 χ^2/NDF: 6672012.3/43

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: 0.514+/-0.235 χ^2/NDF:5.8/4

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.063+/-0.176 χ^2/NDF:7.7/3

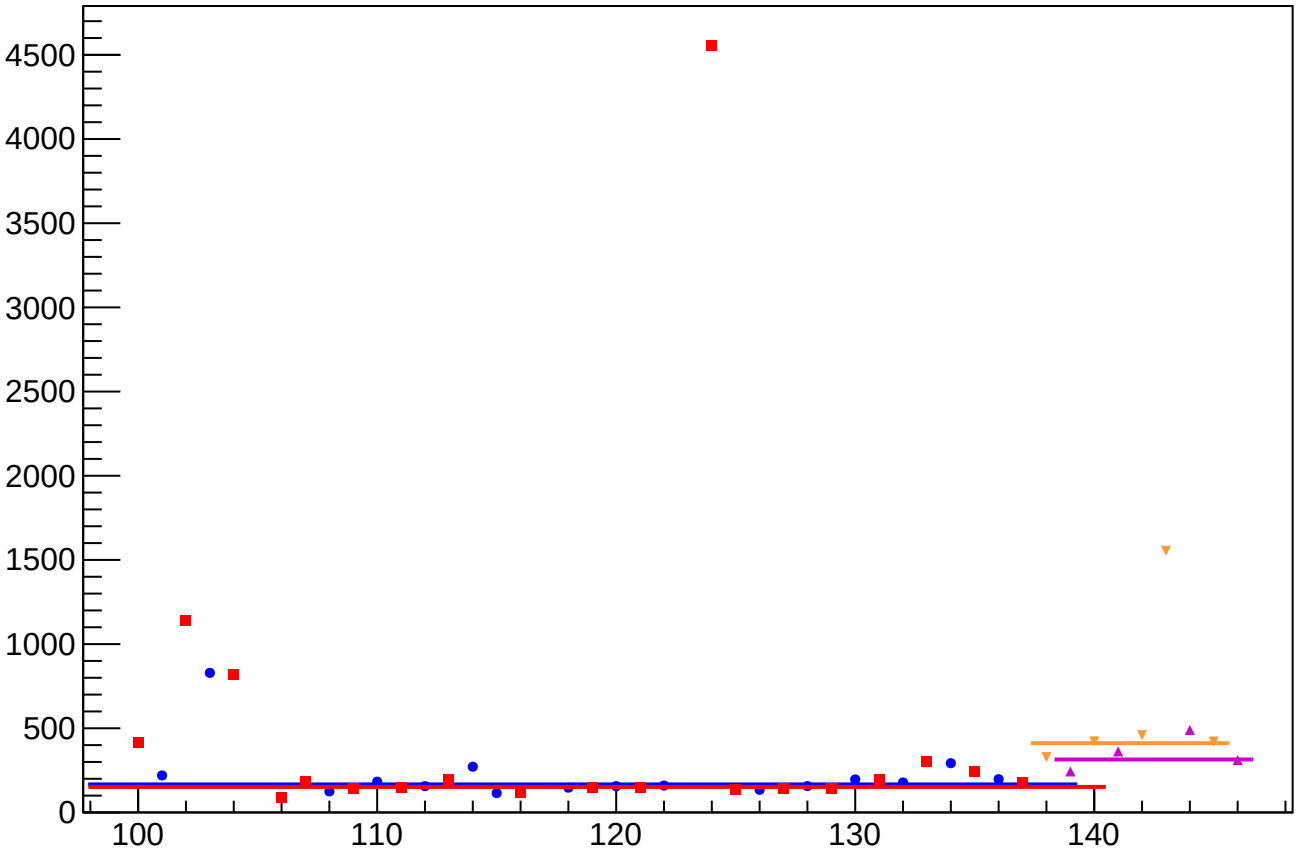
Left: 0.145+/-0.141 χ^2/NDF: 17.4/8

Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.062 χ^2/NDF:22.6/19

Out: 0.063+/-0.062 χ^2/NDF:37.3/23

All: 0.006+/-0.044 χ^2/NDF: 61.6/43



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 411.584+/-0.166 χ^2/NDF:987573.4/4

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 314.651+/-0.125 χ^2/NDF:390570.7/3

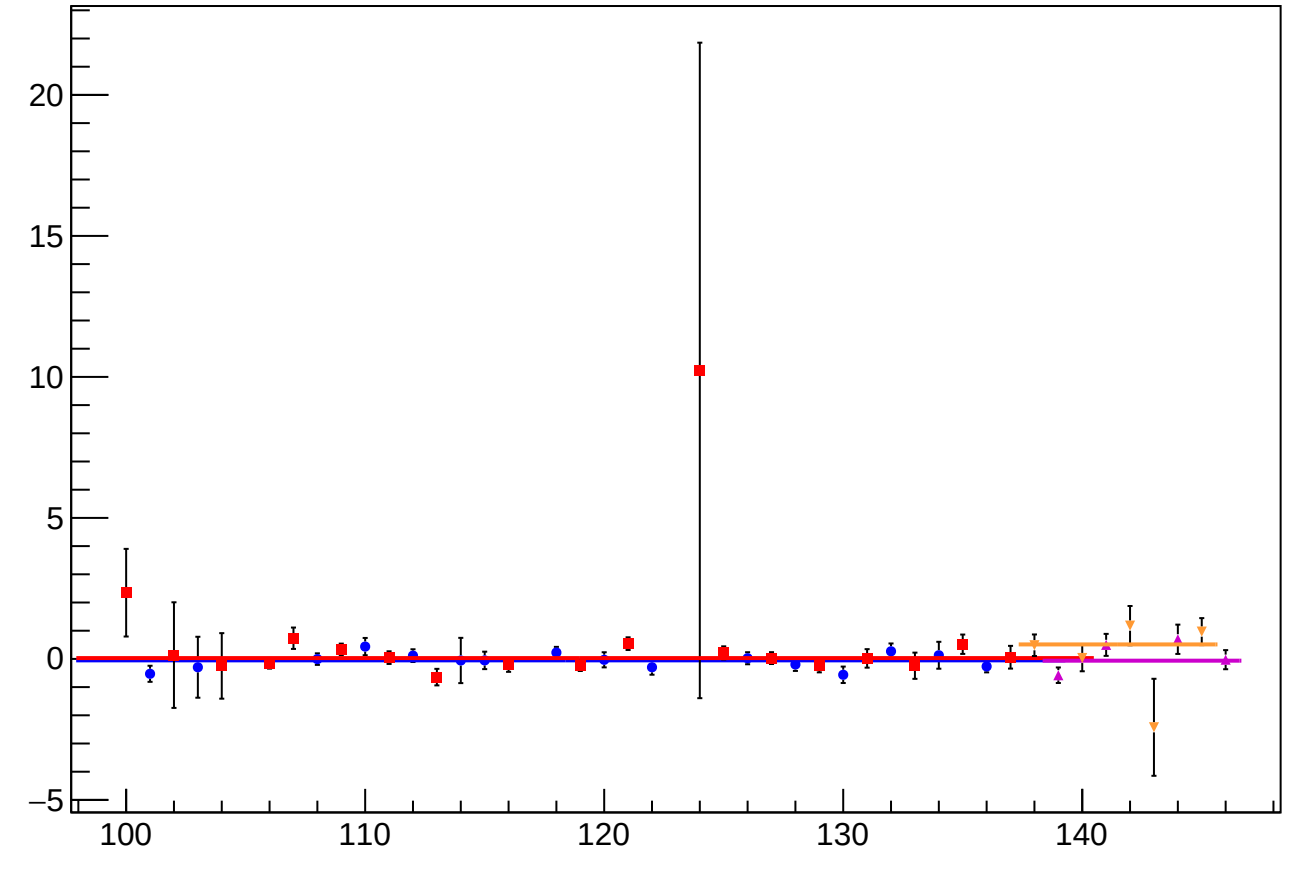
Left: 349.546+/-0.100 χ^2/NDF: 1596132.7/8

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 184.967+/-0.044 χ^2/NDF:2912696.3/19

Out: 169.757+/-0.044 χ^2/NDF:5580585.6/23

All: 177.284+/-0.031 χ^2/NDF: 8553302.7/43



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: 0.514+/-0.235 χ^2/NDF:5.8/4

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.063+/-0.176 χ^2/NDF:7.7/3

Left: 0.145+/-0.141 χ^2/NDF: 17.4/8

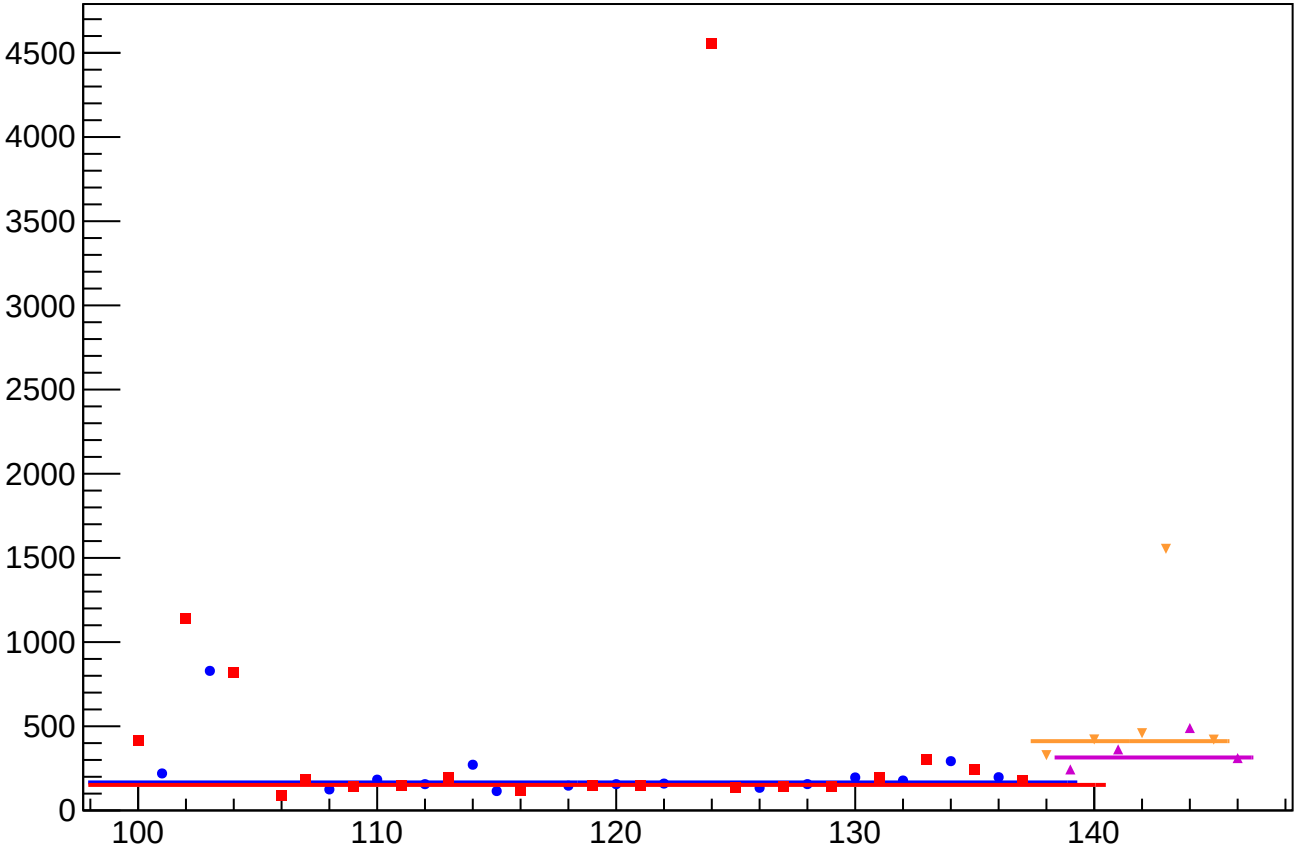
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.062 χ^2/NDF:22.6/19

Out: 0.063+/-0.062 χ^2/NDF:37.3/23

All: 0.006+/-0.044 χ^2/NDF: 61.6/43

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: 411.584+/-0.166 χ^2/NDF:987573.4/4

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 314.651+/-0.125 χ^2/NDF:390570.7/3

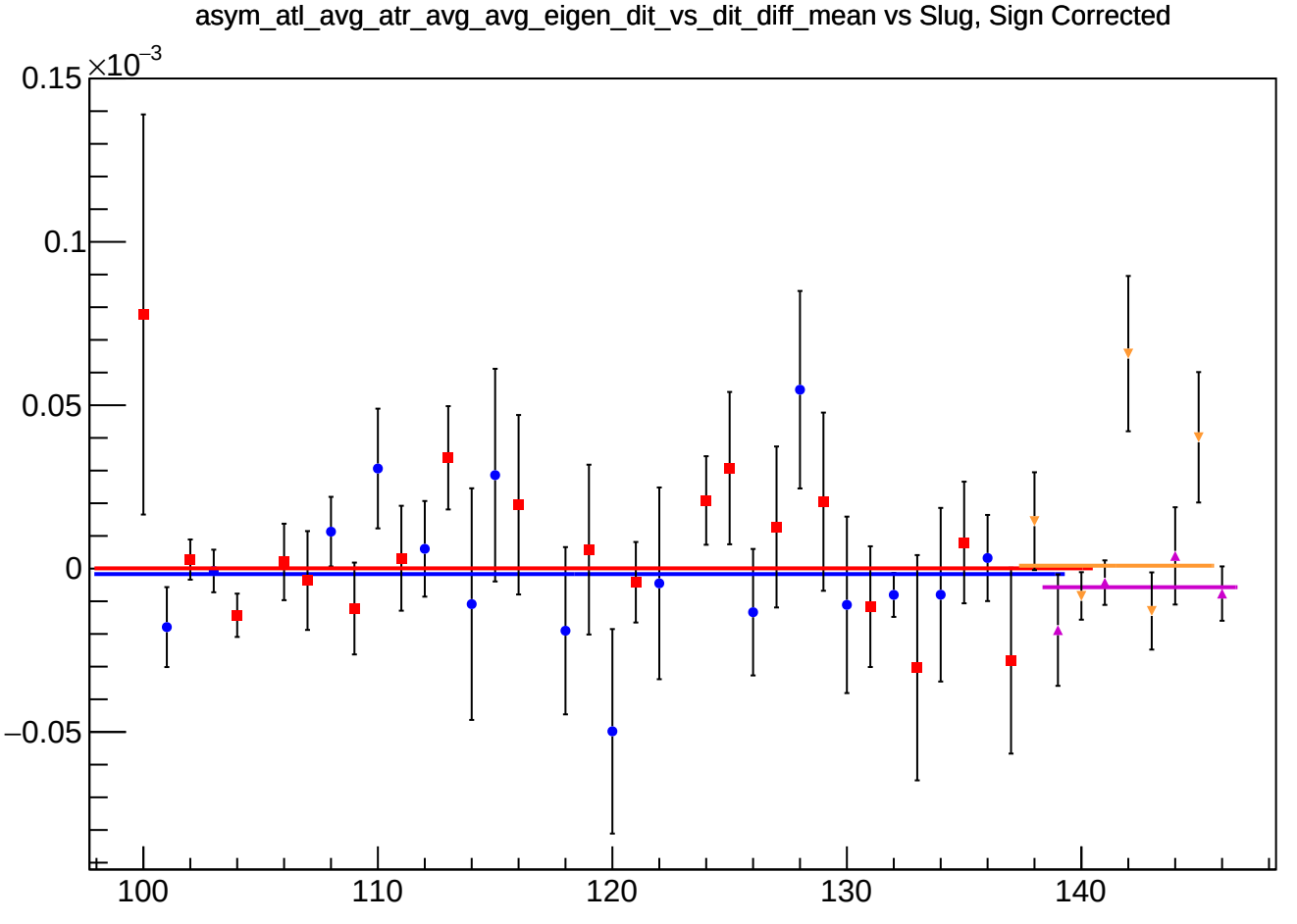
Left: 349.546+/-0.100 χ^2/NDF: 1596132.7/8

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 184.967+/-0.044 χ^2/NDF:2912696.3/19

Out: 169.757+/-0.044 χ^2/NDF:5580585.6/23

All: 177.284+/-0.031 χ^2/NDF: 8553302.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

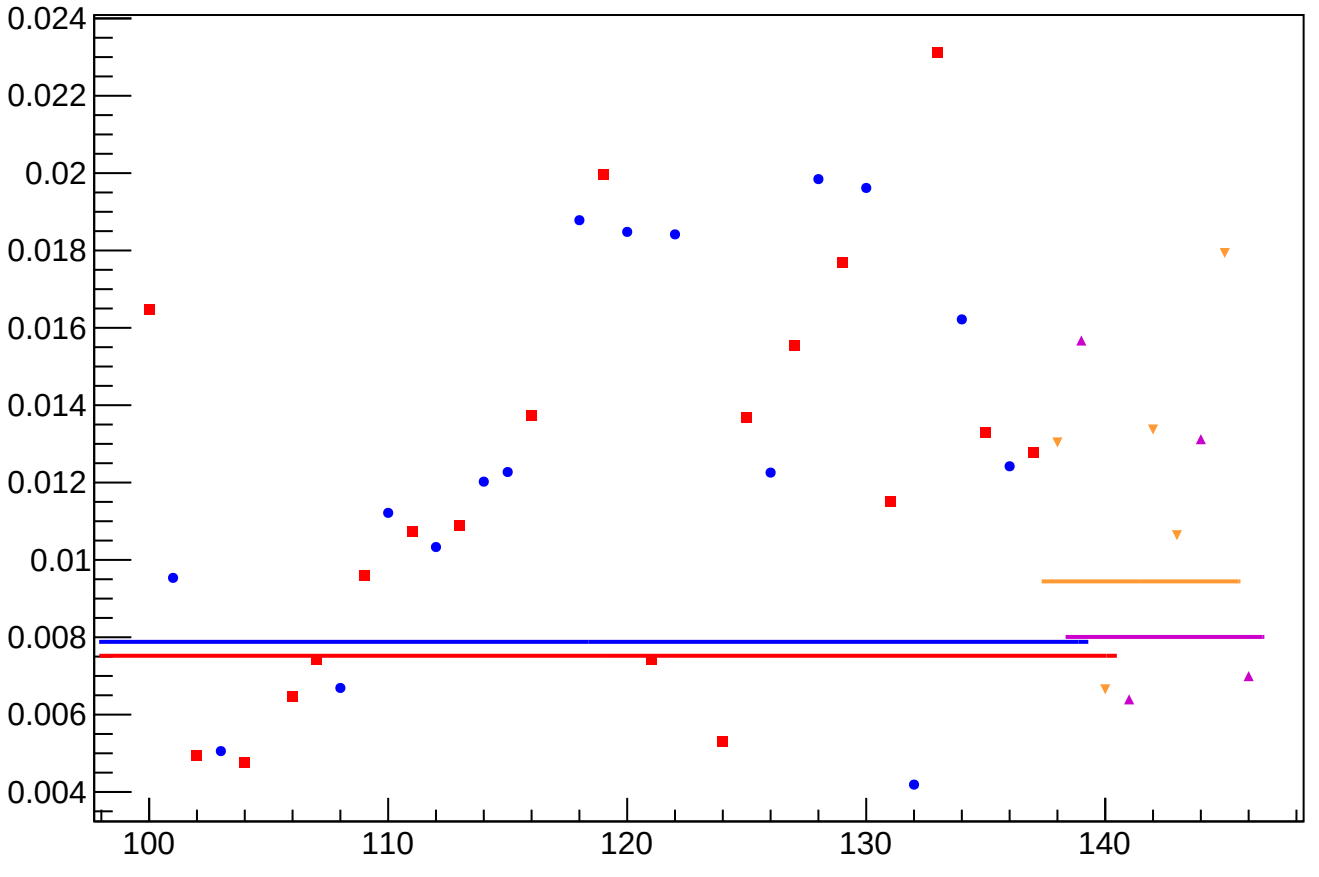
Left: -0.000+/-0.000 χ^2/NDF: 17.1/8

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:17.1/19

Out: 0.000+/-0.000 χ^2/NDF:35.1/23

All: -0.000+/-0.000 χ^2/NDF: 52.9/43



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:847039.2/4

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.008+/-0.000 χ^2/NDF:781412.2/3

Left: 0.009+/-0.000 χ^2/NDF: 1708667.6/8

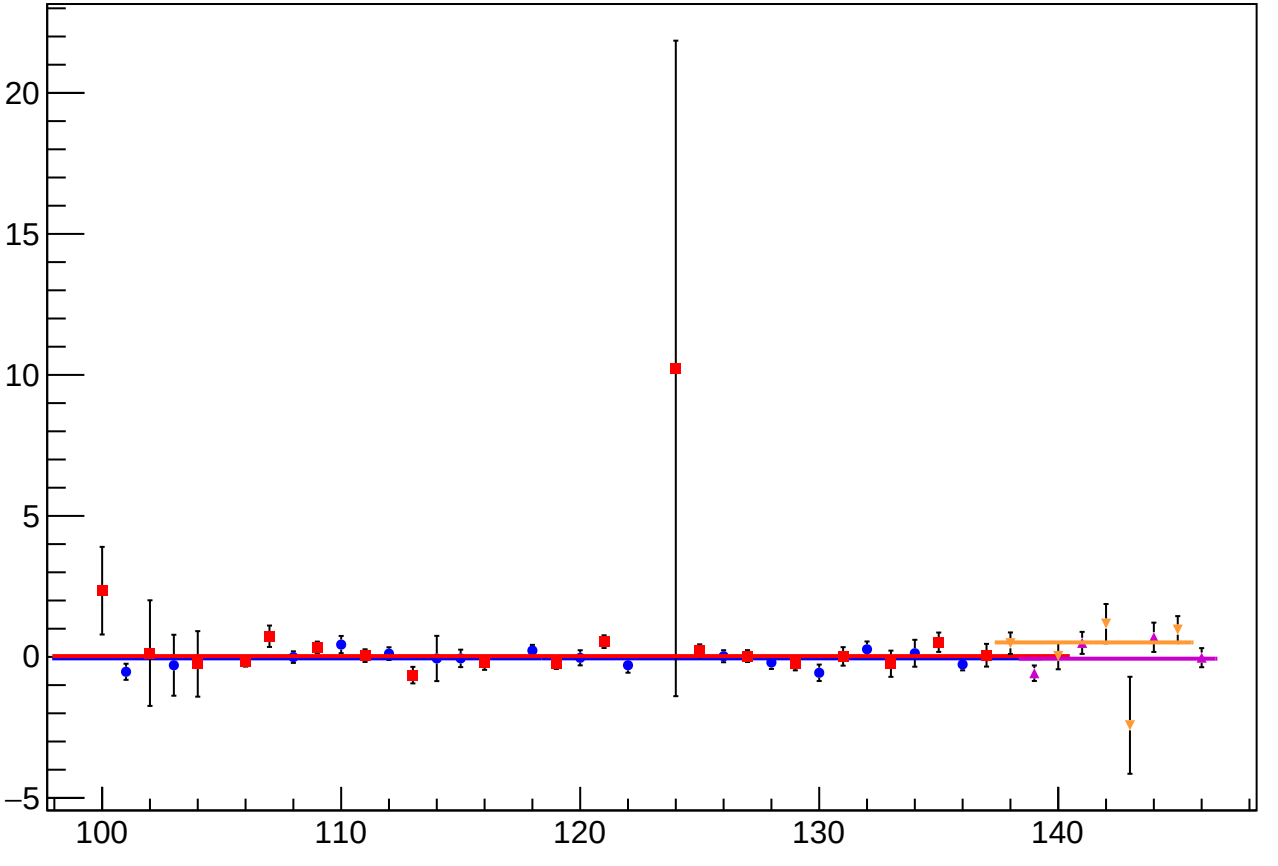
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.008+/-0.000 χ^2/NDF:4084087.3/19

Out: 0.008+/-0.000 χ^2/NDF:4014383.0/23

All: 0.008+/-0.000 χ^2/NDF: 8099507.6/43

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: 0.514+/-0.235 χ^2/NDF:5.8/4

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.063+/-0.176 χ^2/NDF:7.7/3

Left: 0.145+/-0.141 χ^2/NDF: 17.4/8

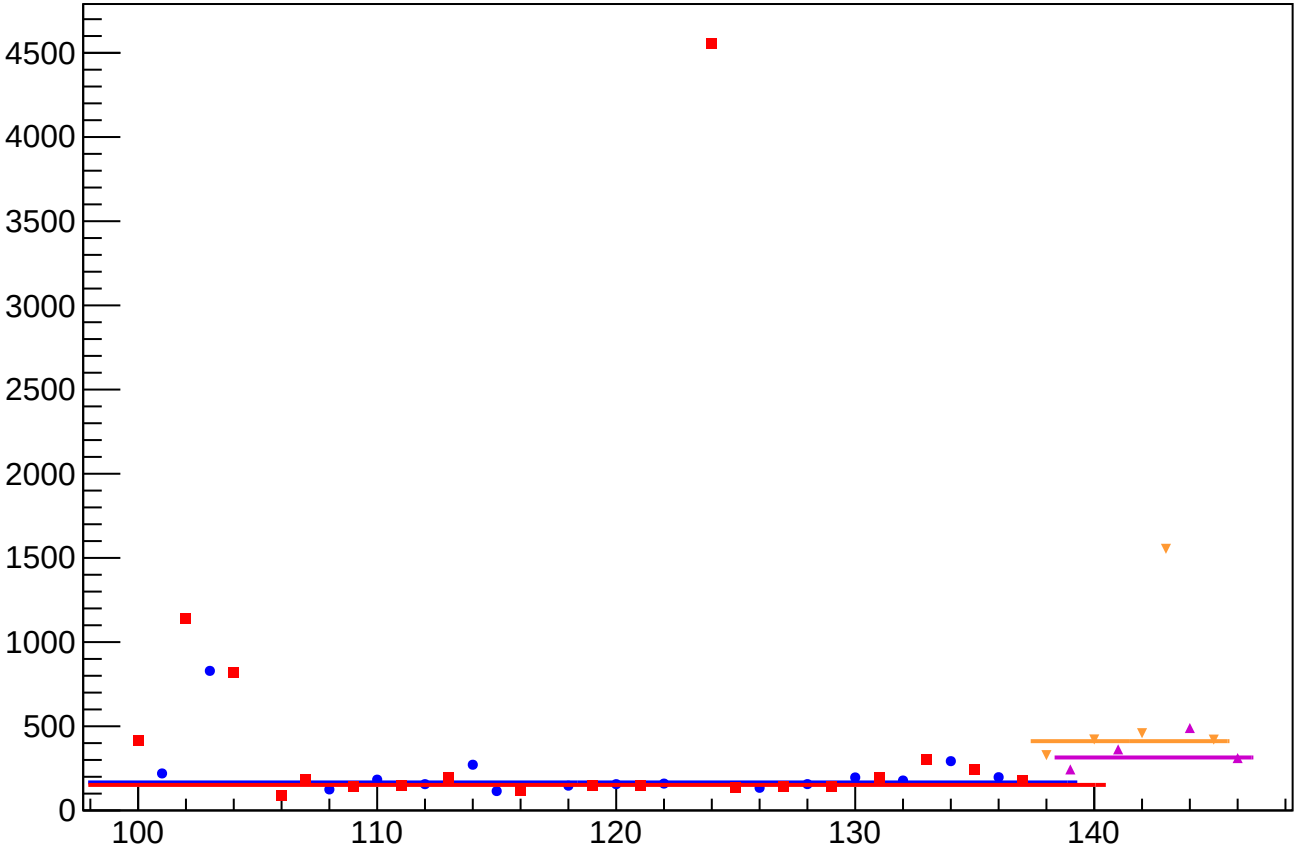
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.062 χ^2/NDF:22.6/19

Out: 0.063+/-0.062 χ^2/NDF:37.3/23

All: 0.006+/-0.044 χ^2/NDF: 61.6/43

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: 411.589+/-0.166 χ^2/NDF:987568.8/4

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 314.657+/-0.125 χ^2/NDF:390555.8/3

Left: 349.551+/-0.100 χ^2/NDF: 1596104.6/8

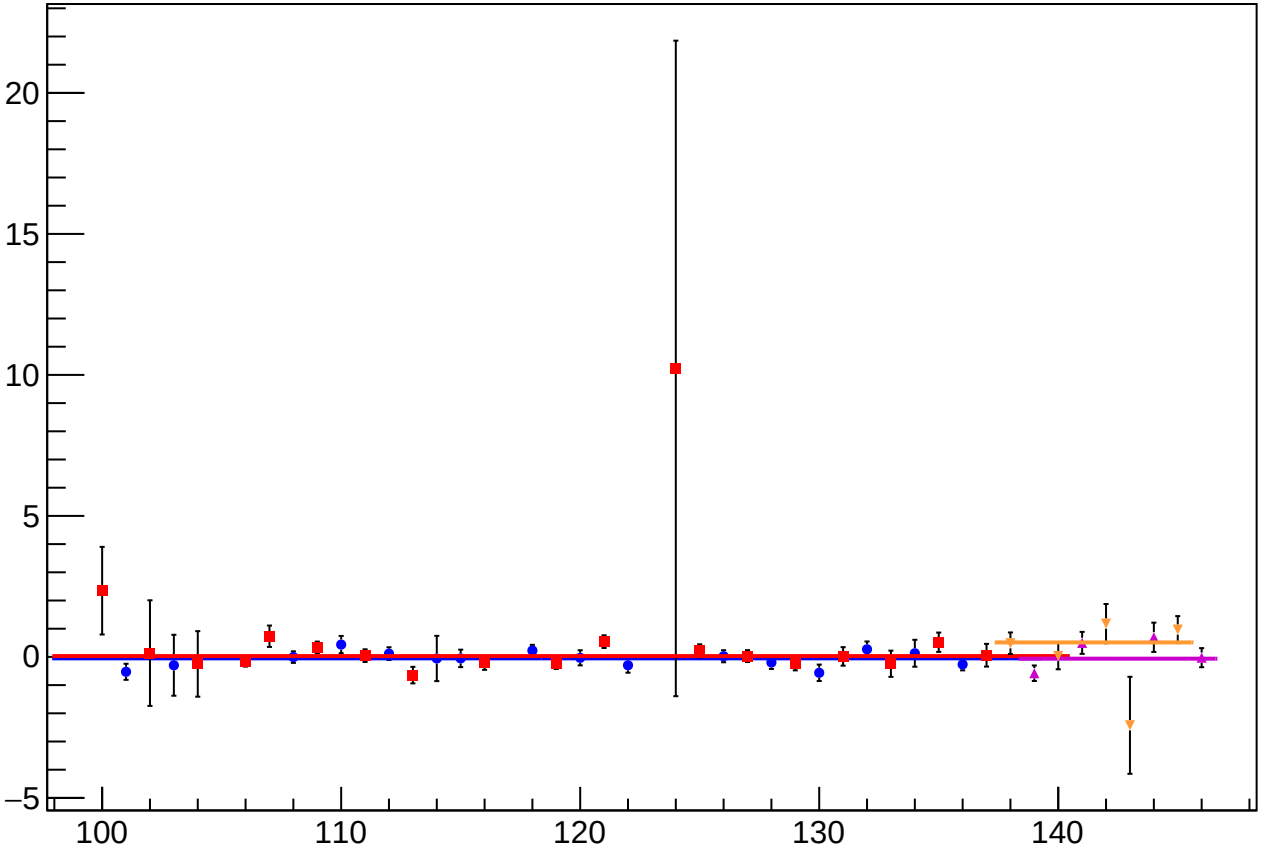
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 184.967+/-0.044 χ^2/NDF:2912744.6/19

Out: 169.755+/-0.044 χ^2/NDF:5580645.1/23

All: 177.283+/-0.031 χ^2/NDF: 8553417.7/43

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: 0.514+/-0.235 χ^2/NDF:5.8/4

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.063+/-0.176 χ^2/NDF:7.7/3

Left: 0.145+/-0.141 χ^2/NDF: 17.4/8

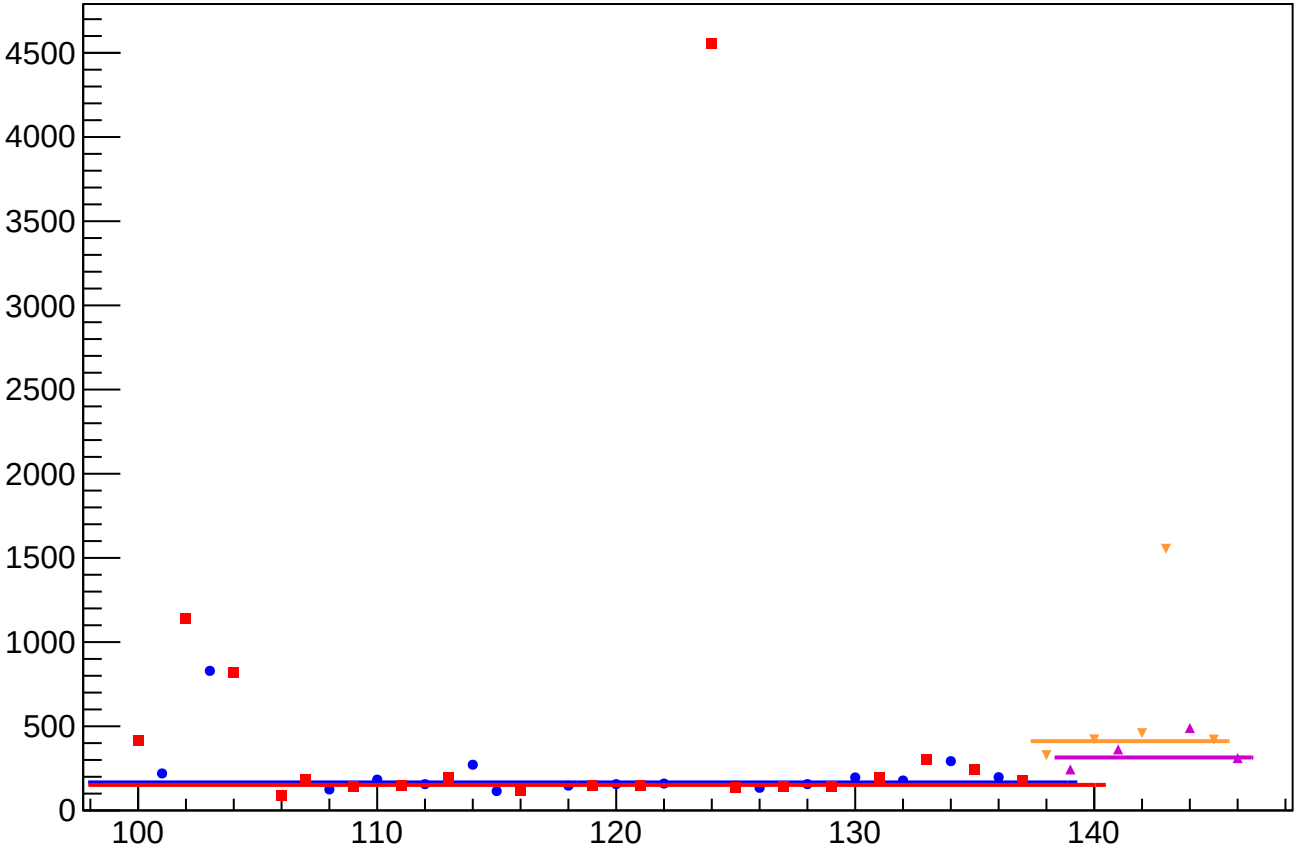
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.062 χ^2/NDF:22.6/19

Out: 0.063+/-0.062 χ^2/NDF:37.3/23

All: 0.006+/-0.044 χ^2/NDF: 61.6/43

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: 411.589+/-0.166 χ^2/NDF:987568.8/4

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 314.657+/-0.125 χ^2/NDF:390555.8/3

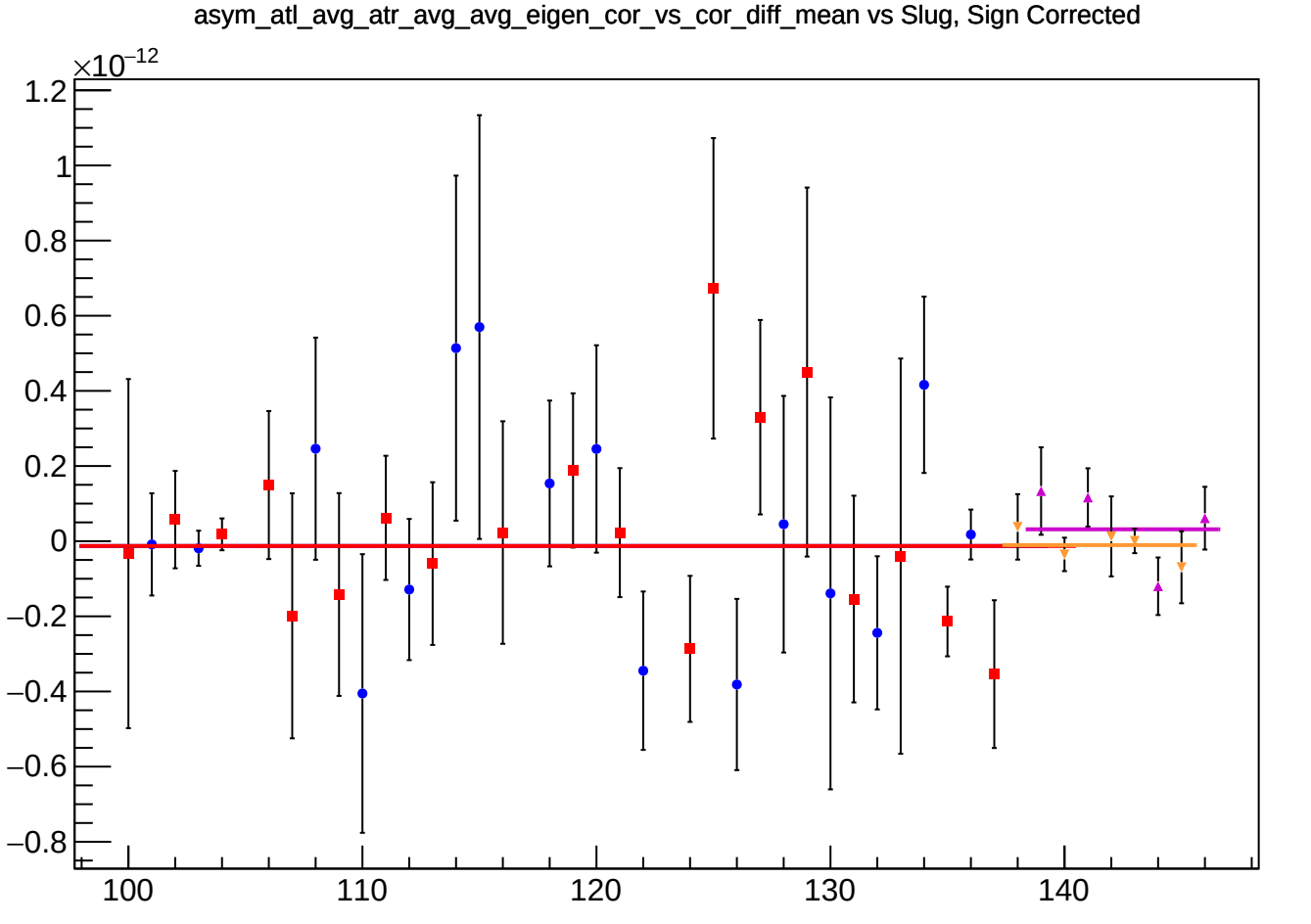
Left: 349.551+/-0.100 χ^2/NDF: 1596104.6/8

Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 184.967+/-0.044 χ^2/NDF:2912744.6/19

Out: 169.755+/-0.044 χ^2/NDF:5580645.1/23

All: 177.283+/-0.031 χ^2/NDF: 8553417.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/3

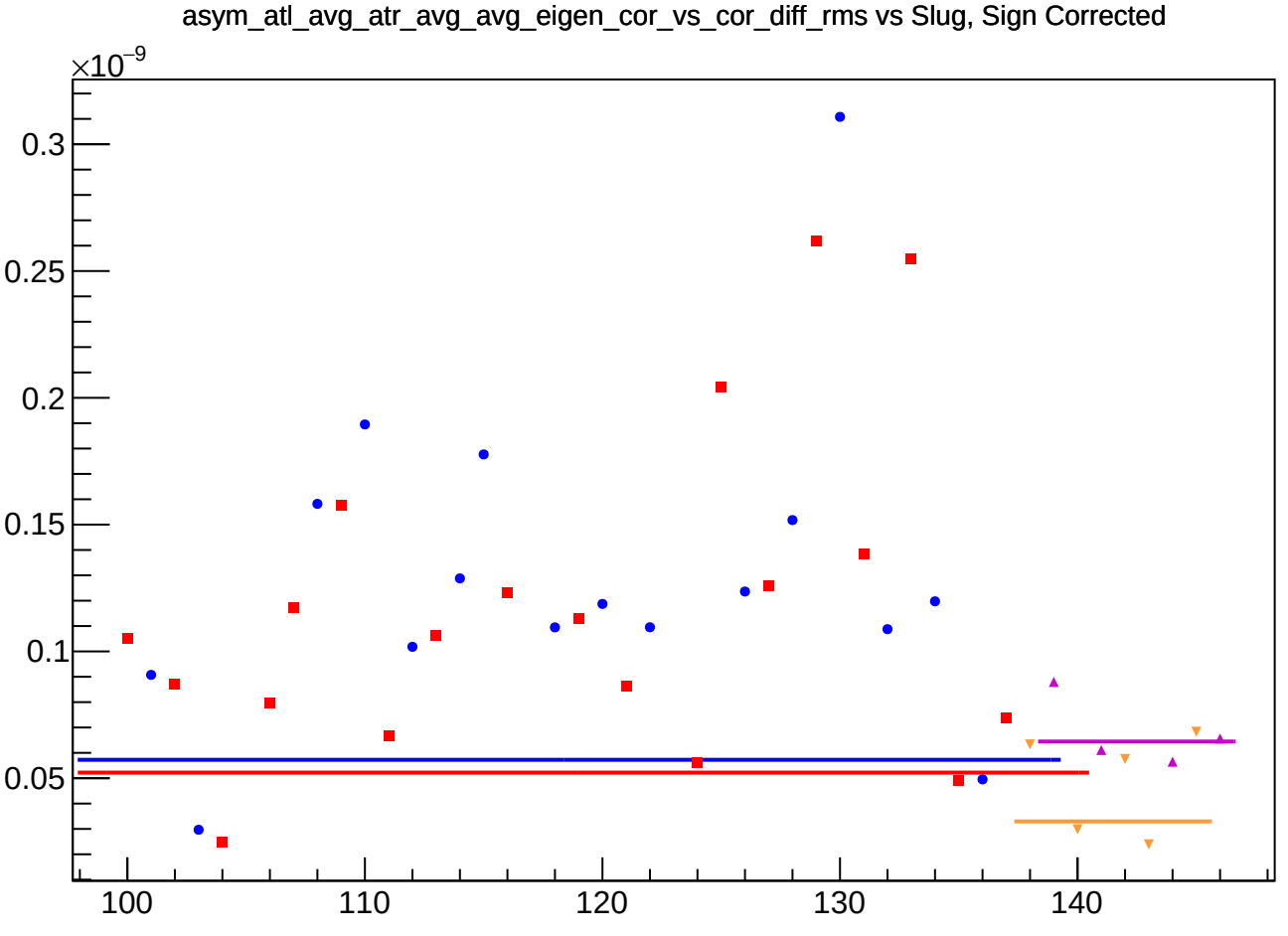
Left: -0.000+/-0.000 χ^2/NDF: 7.9/8

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: 0.000+/-0.000 χ^2/NDF:22.8/19

Out: -0.000+/-0.000 χ^2/NDF:20.0/23

All: -0.000+/-0.000 χ^2/NDF: 43.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:785367.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:107157.4/3

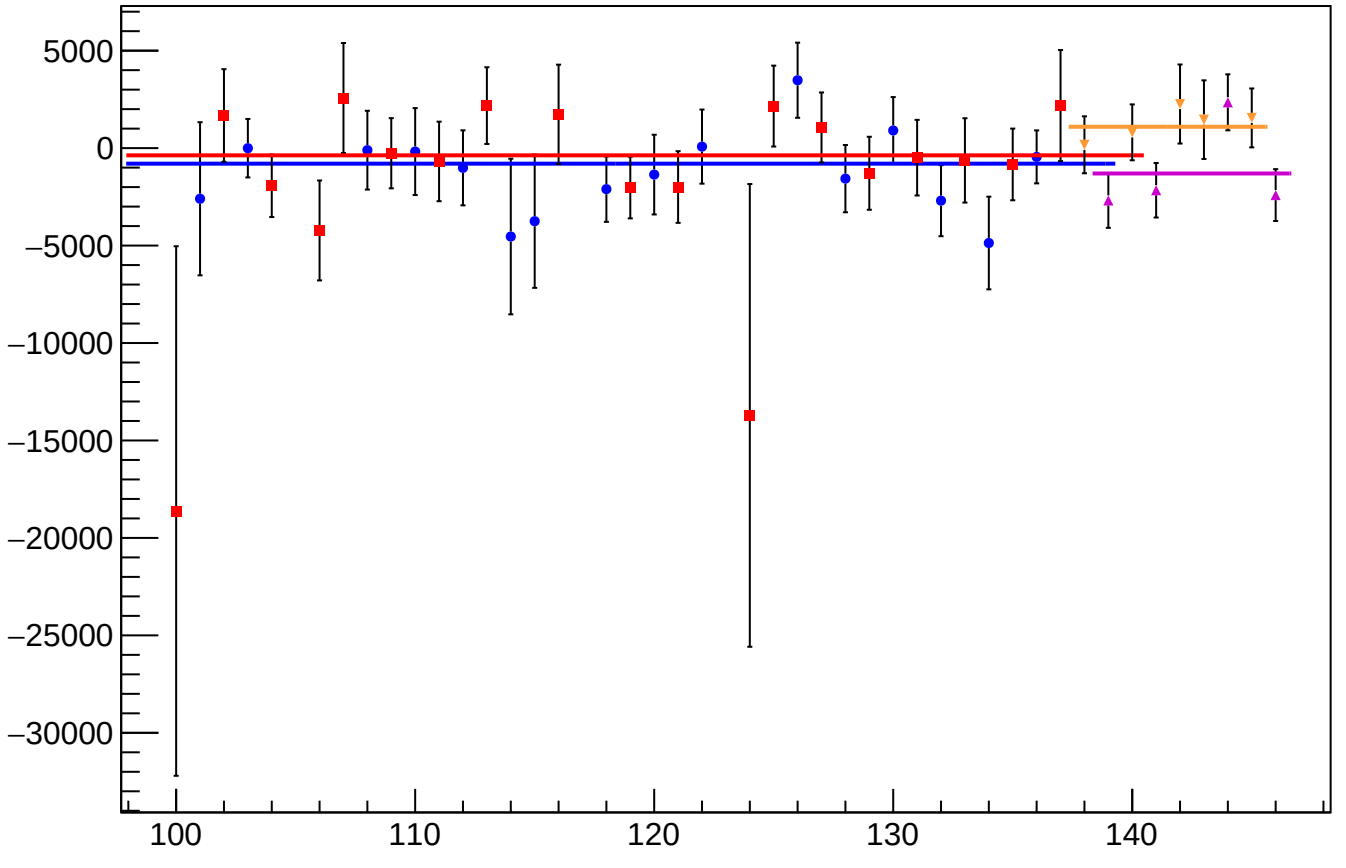
Left: 0.000+/-0.000 χ^2/NDF: 1730278.6/8

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3126130.6/19

Out: 0.000+/-0.000 χ^2/NDF:4549711.2/23

All: 0.000+/-0.000 χ^2/NDF: 8449515.9/43



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 1095.395+/-728.918 χ^2/NDF:0.9/4

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -1300.787+/-695.777 χ^2/NDF:8.5/3

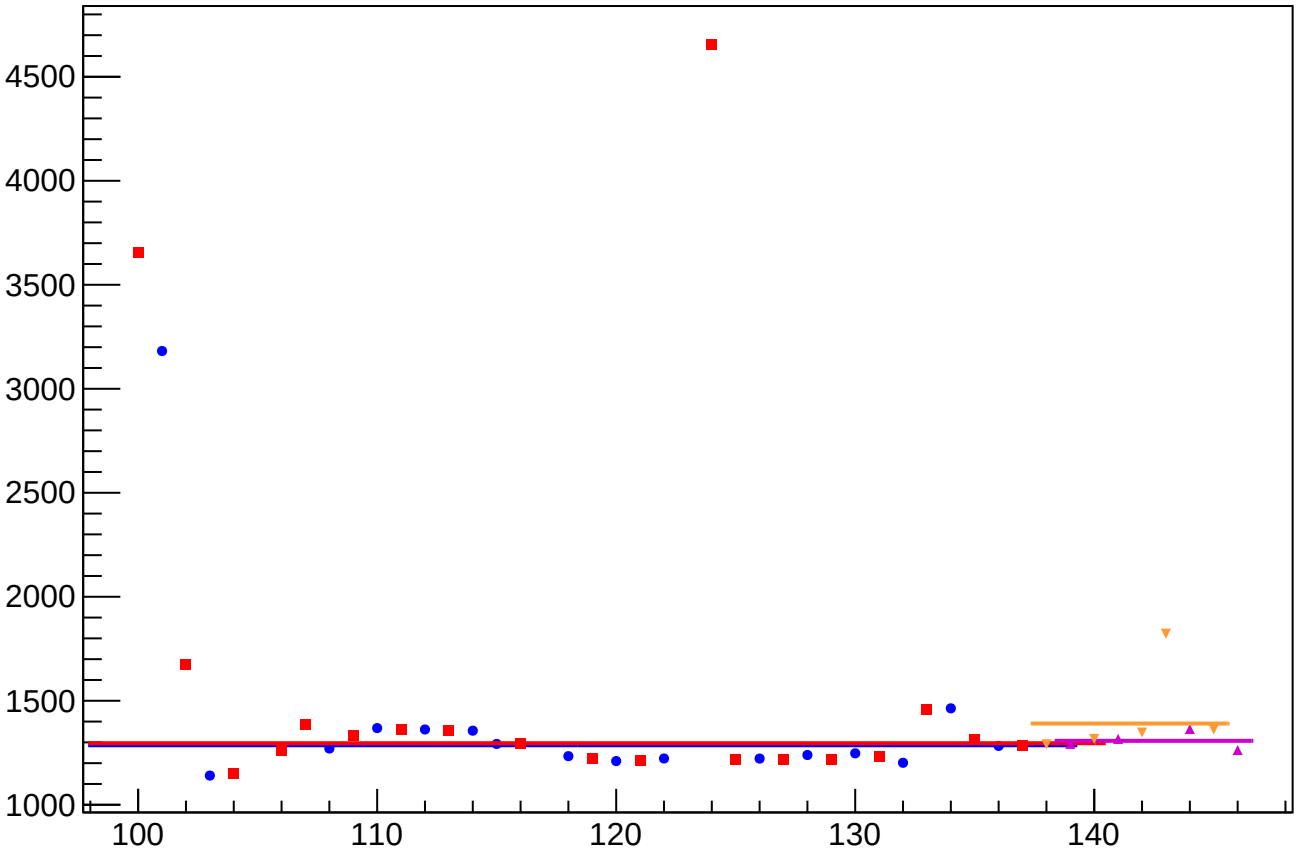
Left: -158.405+/-503.297 χ^2/NDF: 15.0/8

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -963.053+/-399.227 χ^2/NDF:22.3/19

Out: 80.730+/-404.262 χ^2/NDF:19.3/23

All: -447.702+/-284.059 χ^2/NDF: 44.9/43



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1390.491+/-0.515 χ^2/NDF:108101.4/4

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

Left: 1347.015+/-0.356 χ^2/NDF: 127334.2/8

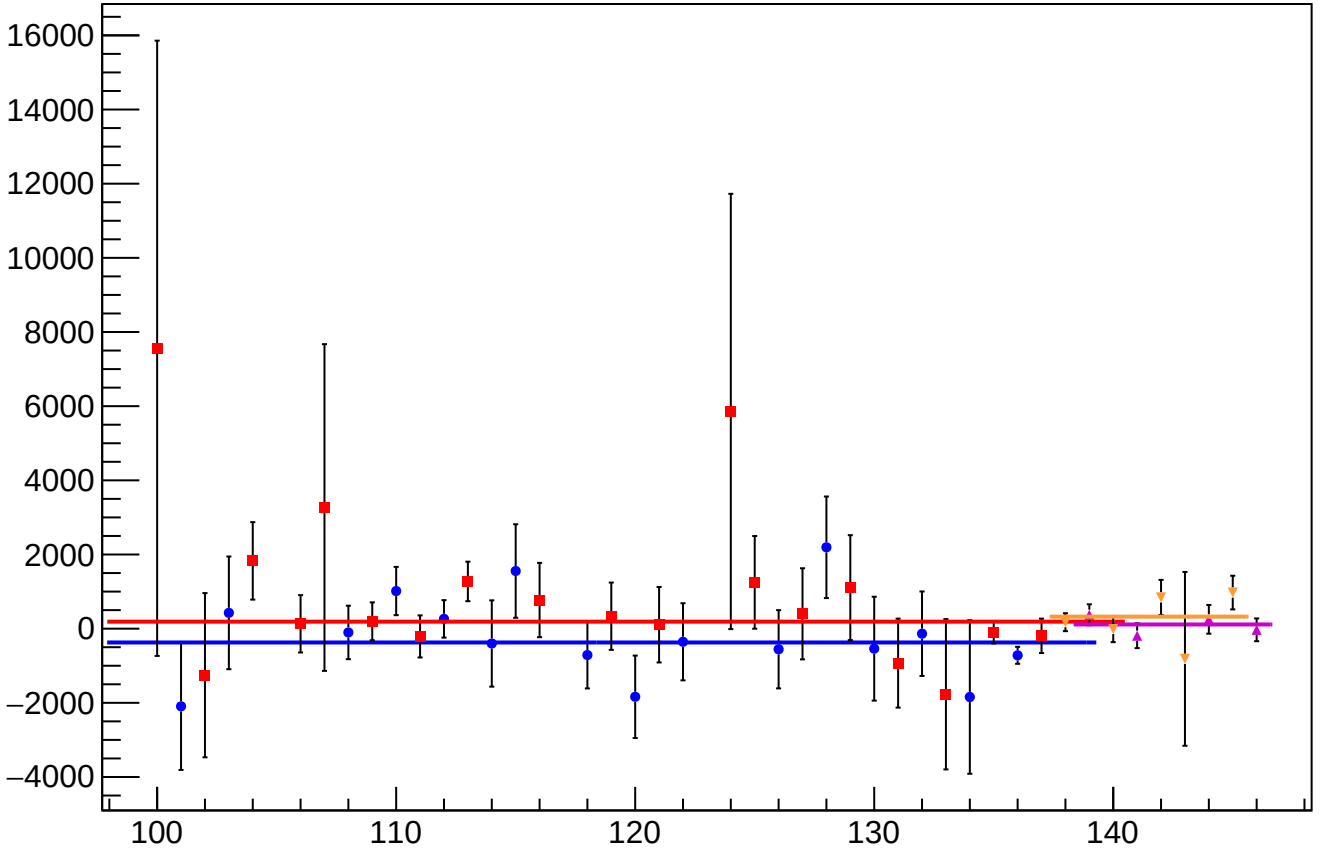
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1293.111+/-0.282 χ^2/NDF:525020.1/19

Out: 1325.024+/-0.286 χ^2/NDF:459470.6/23

All: 1308.868+/-0.201 χ^2/NDF: 990800.6/43

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 324.322+/-169.811 χ^2/NDF:4.8/4

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 112.952+/-160.733 χ^2/NDF:2.0/3

Left: 212.837+/-116.733 χ^2/NDF: 7.6/8

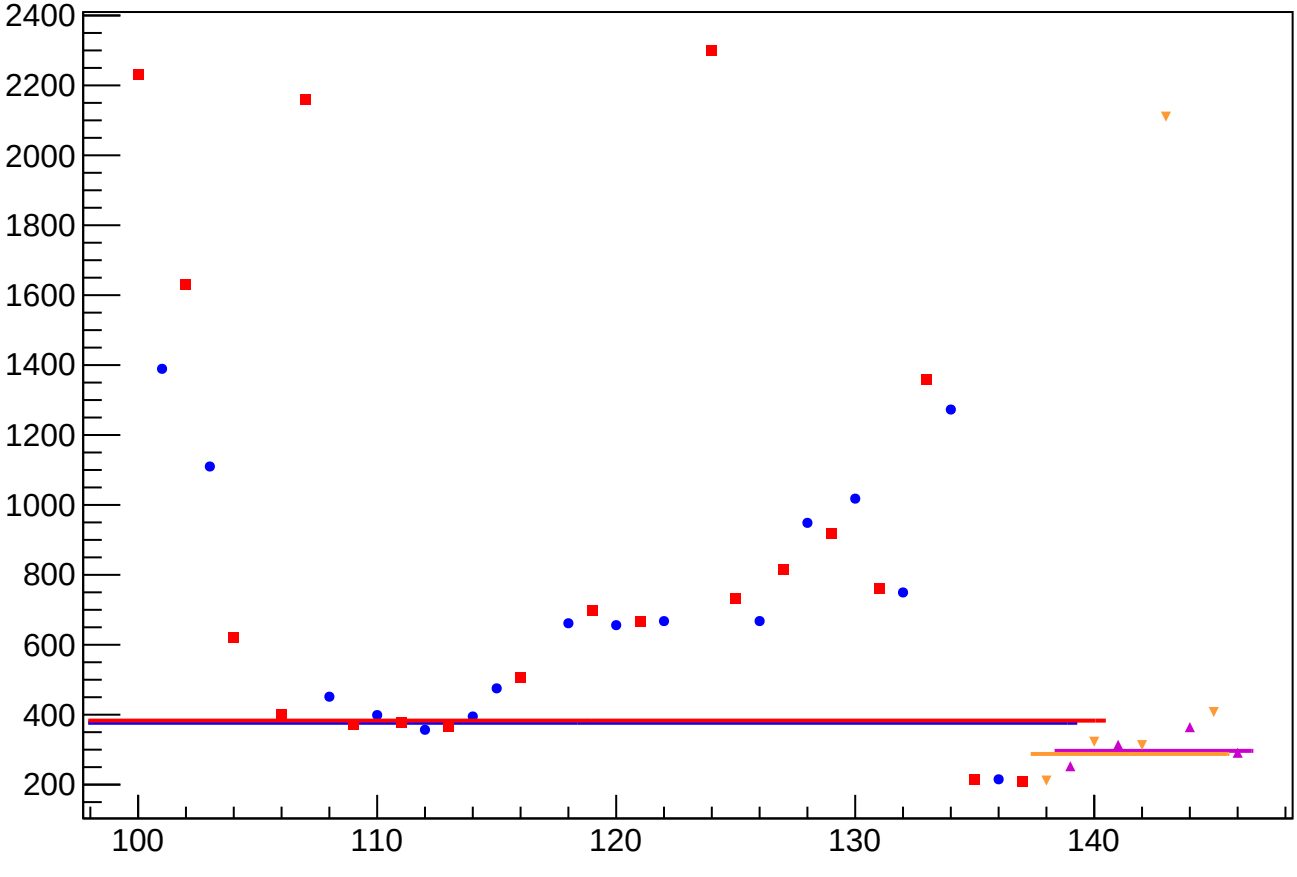
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -118.671+/-116.207 χ^2/NDF:24.5/19

Out: 256.540+/-119.991 χ^2/NDF:19.7/23

All: 62.924+/-83.476 χ^2/NDF: 49.3/43

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: 287.731+/-0.120 χ^2/NDF:1573329.6/4

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.534+/-0.114 χ^2/NDF:115766.0/3

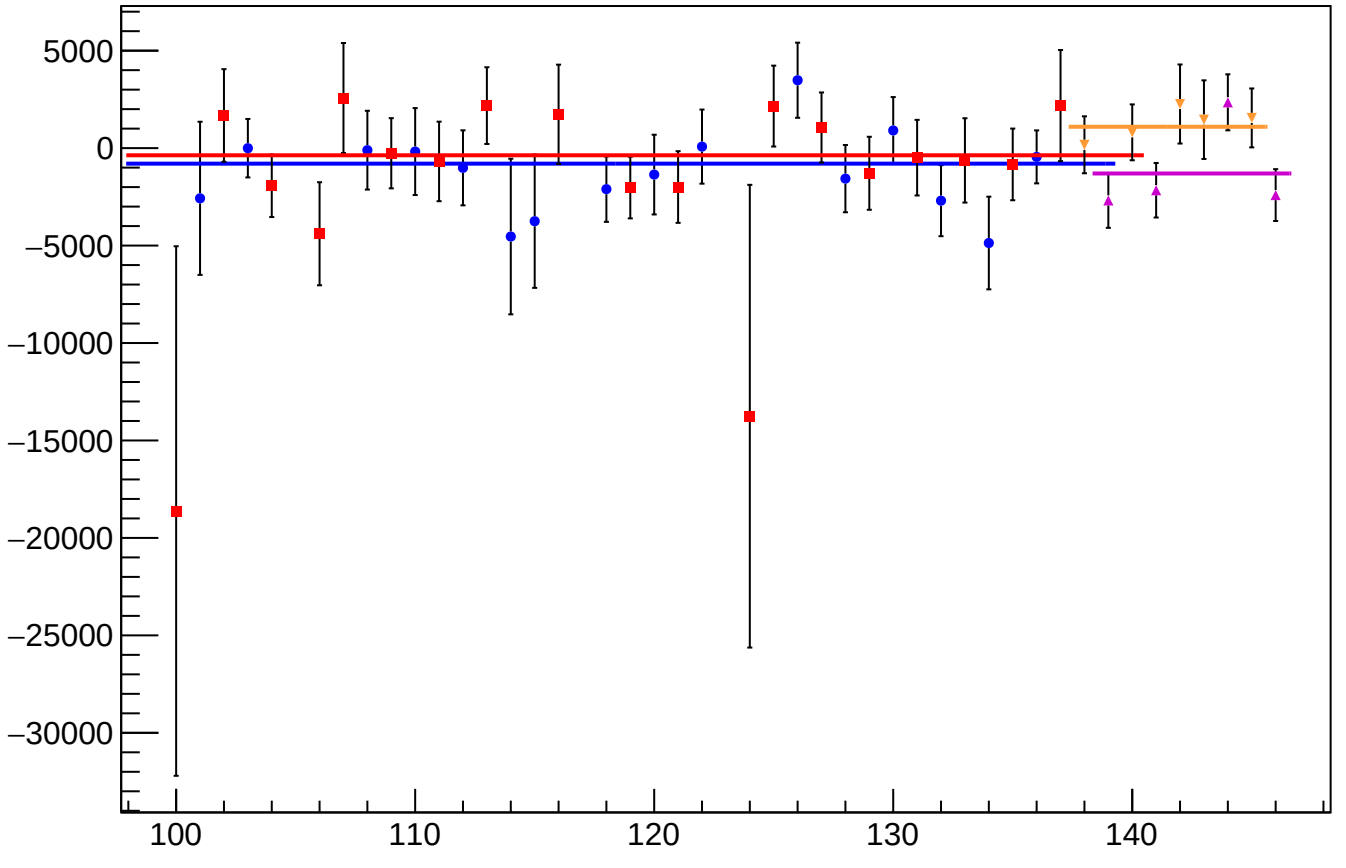
Left: 292.374+/-0.083 χ^2/NDF: 1691930.3/8

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 334.889+/-0.082 χ^2/NDF:4544565.5/19

Out: 335.469+/-0.085 χ^2/NDF:5943131.6/23

All: 335.169+/-0.059 χ^2/NDF: 10487721.1/43



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 1095.431+/-728.918 χ^2/NDF:0.9/4

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -1300.878+/-695.777 χ^2/NDF:8.5/3

Left: -158.436+/-503.297 χ^2/NDF: 15.0/8

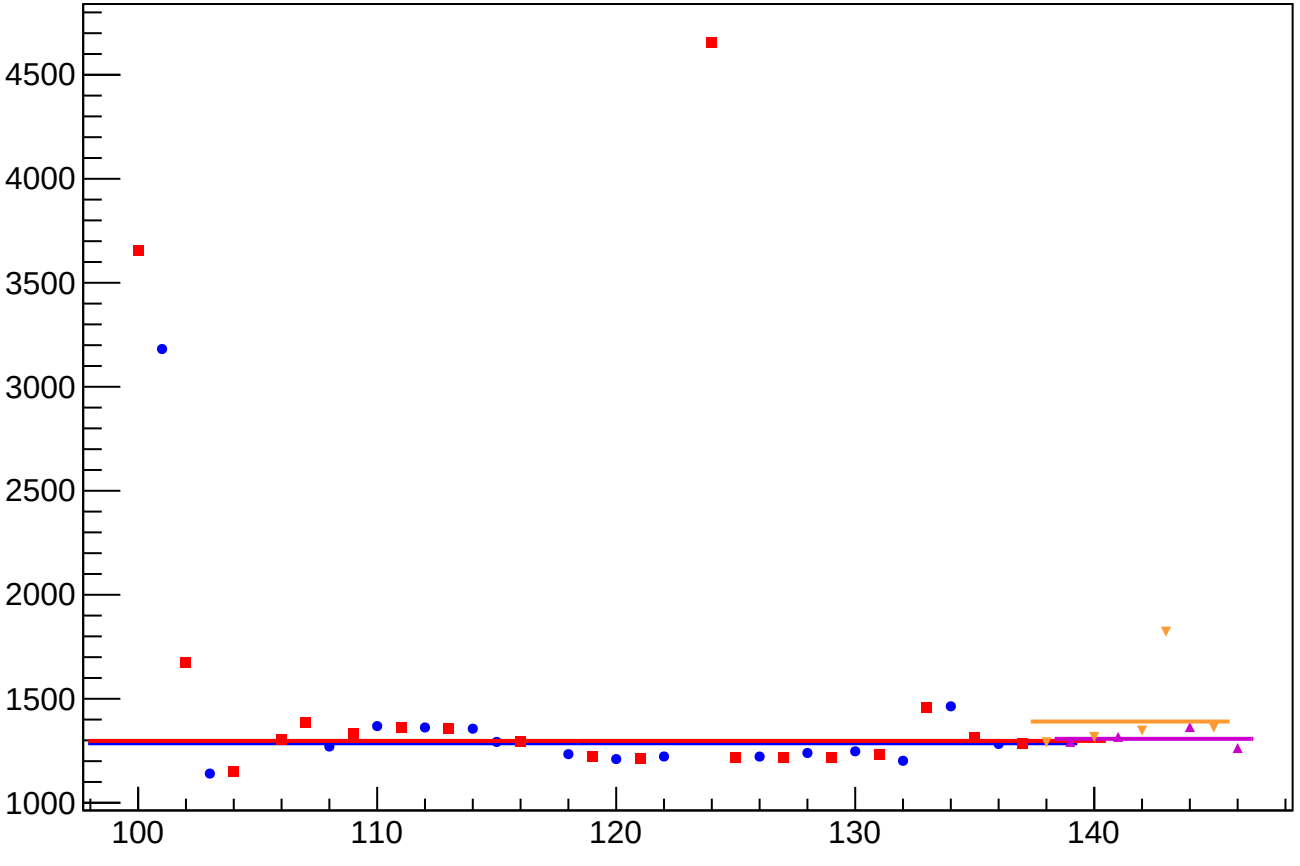
Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -962.814+/-399.227 χ^2/NDF:22.2/19

Out: 83.166+/-404.563 χ^2/NDF:19.3/23

All: -446.767+/-284.164 χ^2/NDF: 45.0/43

cor_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1390.491+/-0.515 χ^2/NDF:108101.4/4

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

Left: 1347.015+/-0.356 χ^2/NDF: 127334.2/8

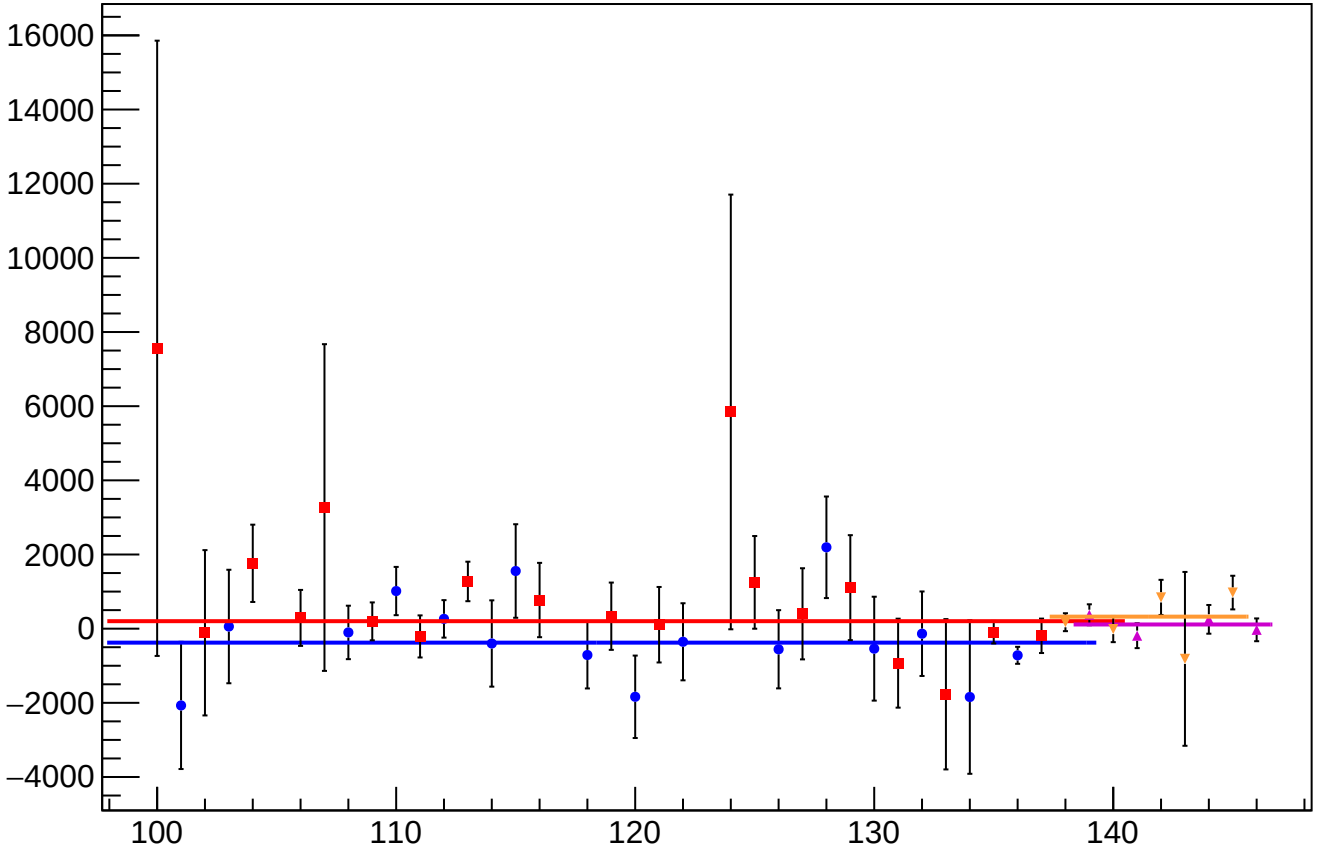
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1293.111+/-0.282 χ^2/NDF:525021.6/19

Out: 1326.072+/-0.286 χ^2/NDF:458417.7/23

All: 1309.373+/-0.201 χ^2/NDF: 990165.1/43

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: 324.380+/-169.817 χ^2/NDF:4.8/4

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 113.044+/-160.731 χ^2/NDF:2.0/3

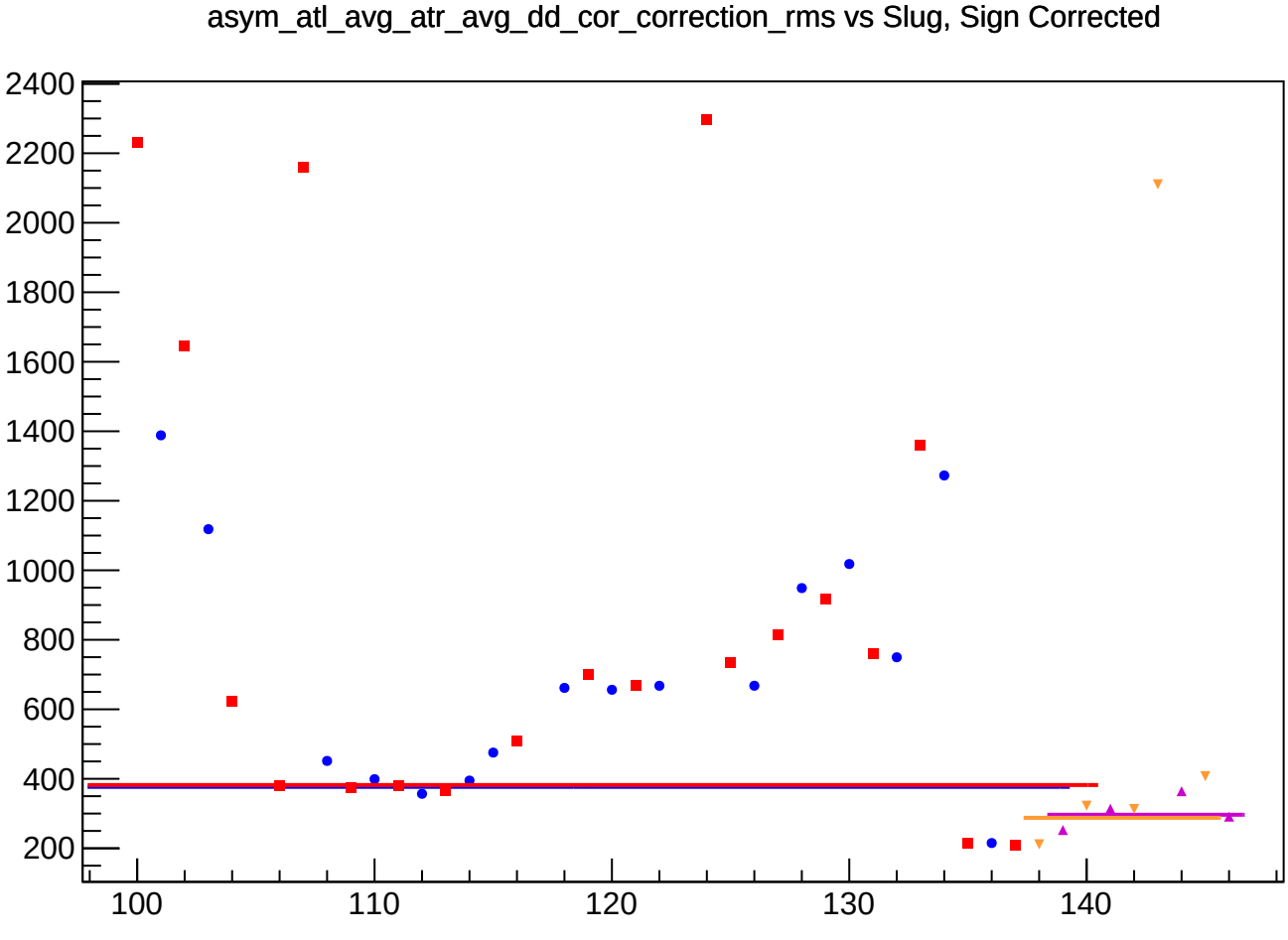
Left: 212.907+/-116.734 χ^2/NDF: 7.6/8

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -120.714+/-116.213 χ^2/NDF:24.4/19

Out: 263.103+/-119.923 χ^2/NDF:19.1/23

All: 65.165+/-83.456 χ^2/NDF: 48.7/43



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 287.743+/-0.120 χ^2/NDF:1573334.3/4

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

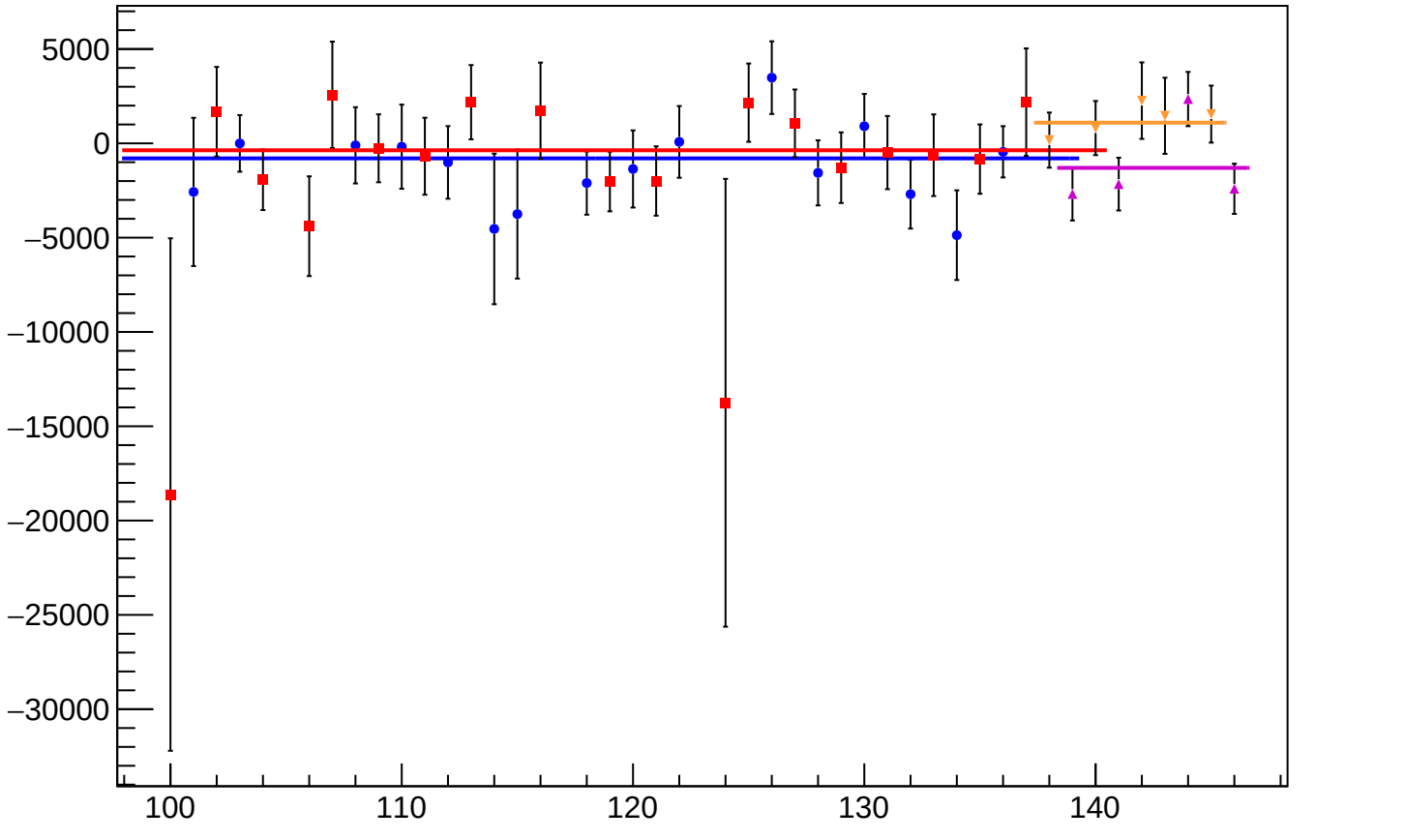
Left: 292.378+/-0.083 χ^2/NDF: 1691906.5/8

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 334.878+/-0.082 χ^2/NDF:4547620.3/19

Out: 335.062+/-0.085 χ^2/NDF:5942702.4/23

All: 334.967+/-0.059 χ^2/NDF: 10490325.1/43



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 1095.431+/-728.918 χ^2/NDF:0.9/4

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -1300.878+/-695.777 χ^2/NDF:8.5/3

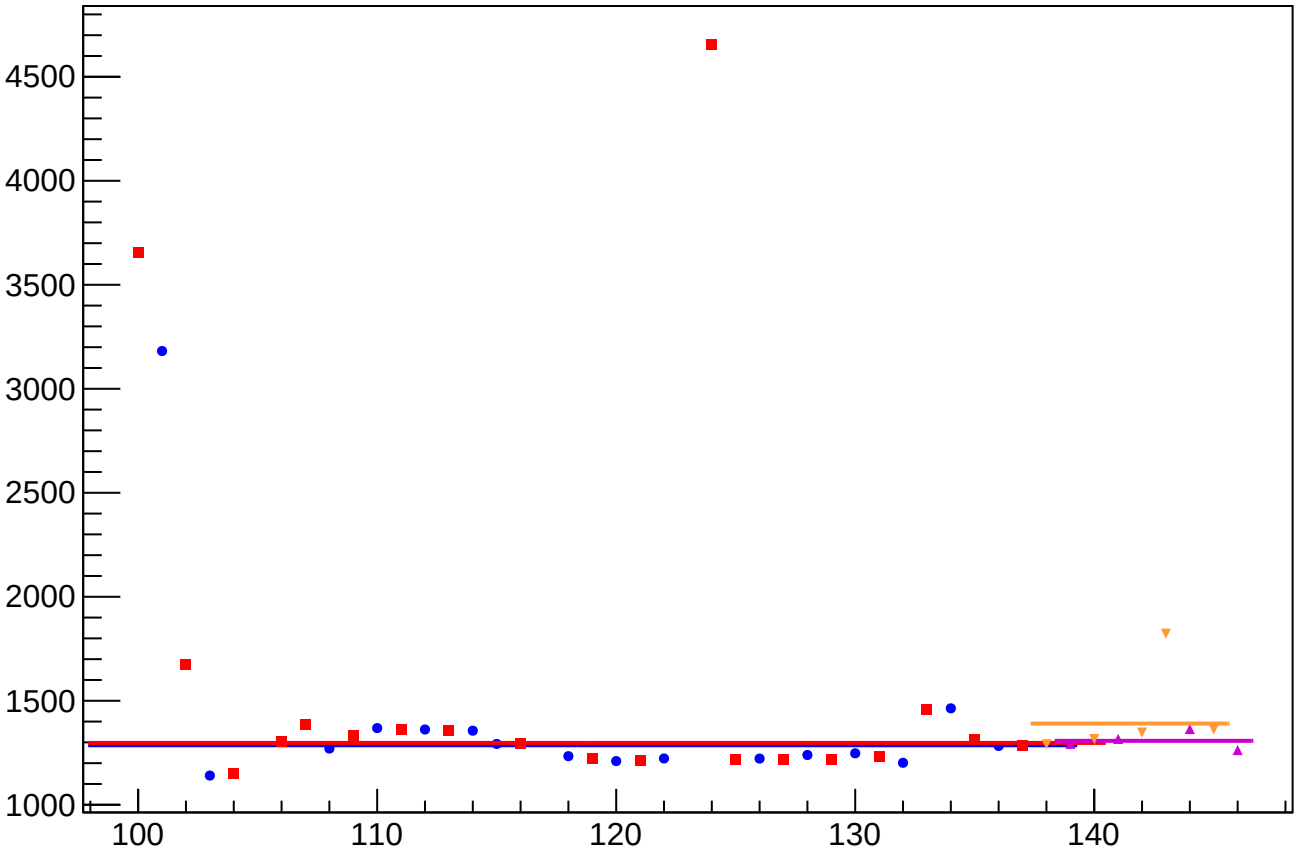
Left: -158.436+/-503.297 χ^2/NDF: 15.0/8

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -962.814+/-399.227 χ^2/NDF:22.2/19

Out: 83.166+/-404.563 χ^2/NDF:19.3/23

All: -446.767+/-284.164 χ^2/NDF: 45.0/43



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1390.491+/-0.515 χ^2/NDF:108101.4/4

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

Left: 1347.015+/-0.356 χ^2/NDF: 127334.2/8

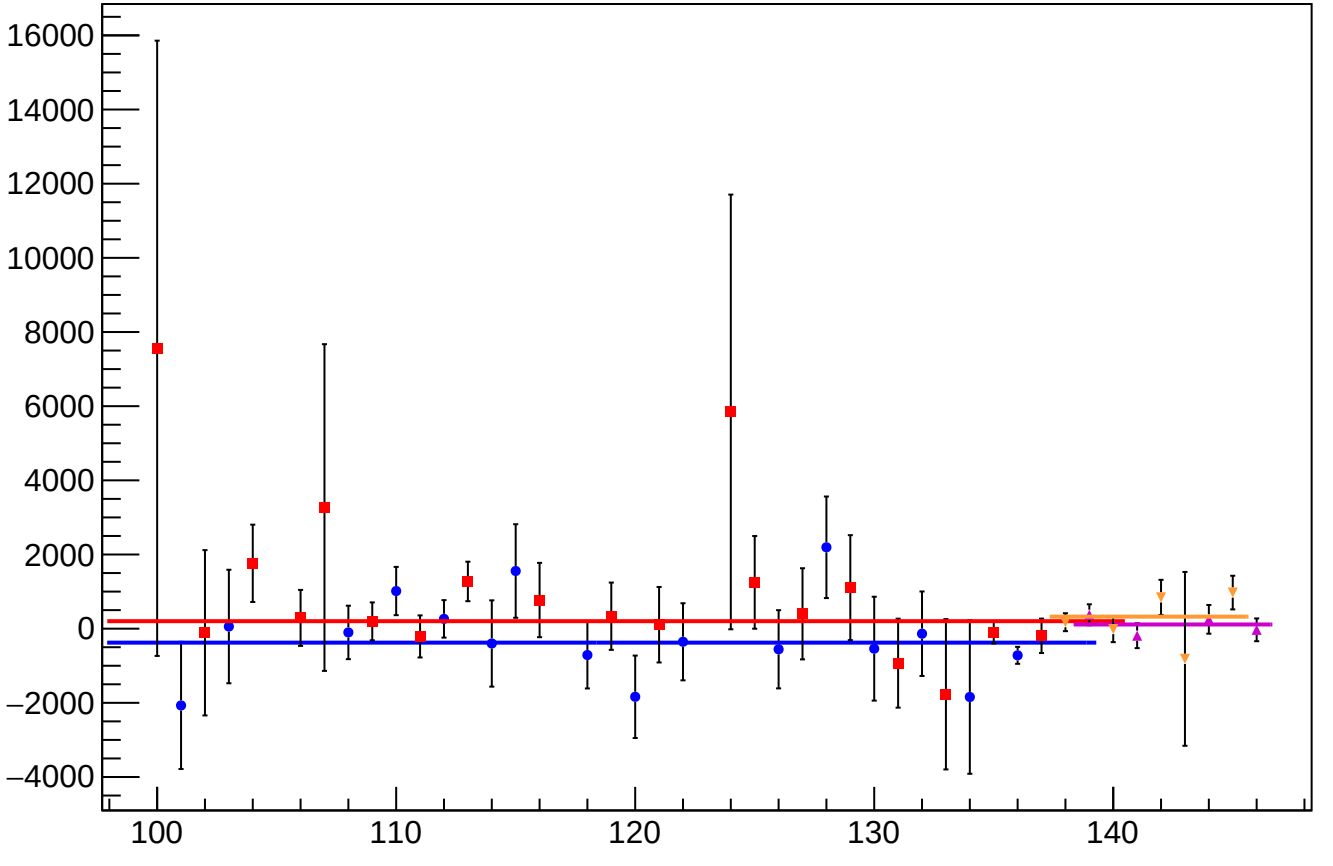
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1293.111+/-0.282 χ^2/NDF:525021.6/19

Out: 1326.072+/-0.286 χ^2/NDF:458417.7/23

All: 1309.373+/-0.201 χ^2/NDF: 990165.1/43

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: 324.380+/-169.817 χ^2/NDF:4.8/4

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 113.044+/-160.731 χ^2/NDF:2.0/3

Left: 212.907+/-116.734 χ^2/NDF: 7.6/8

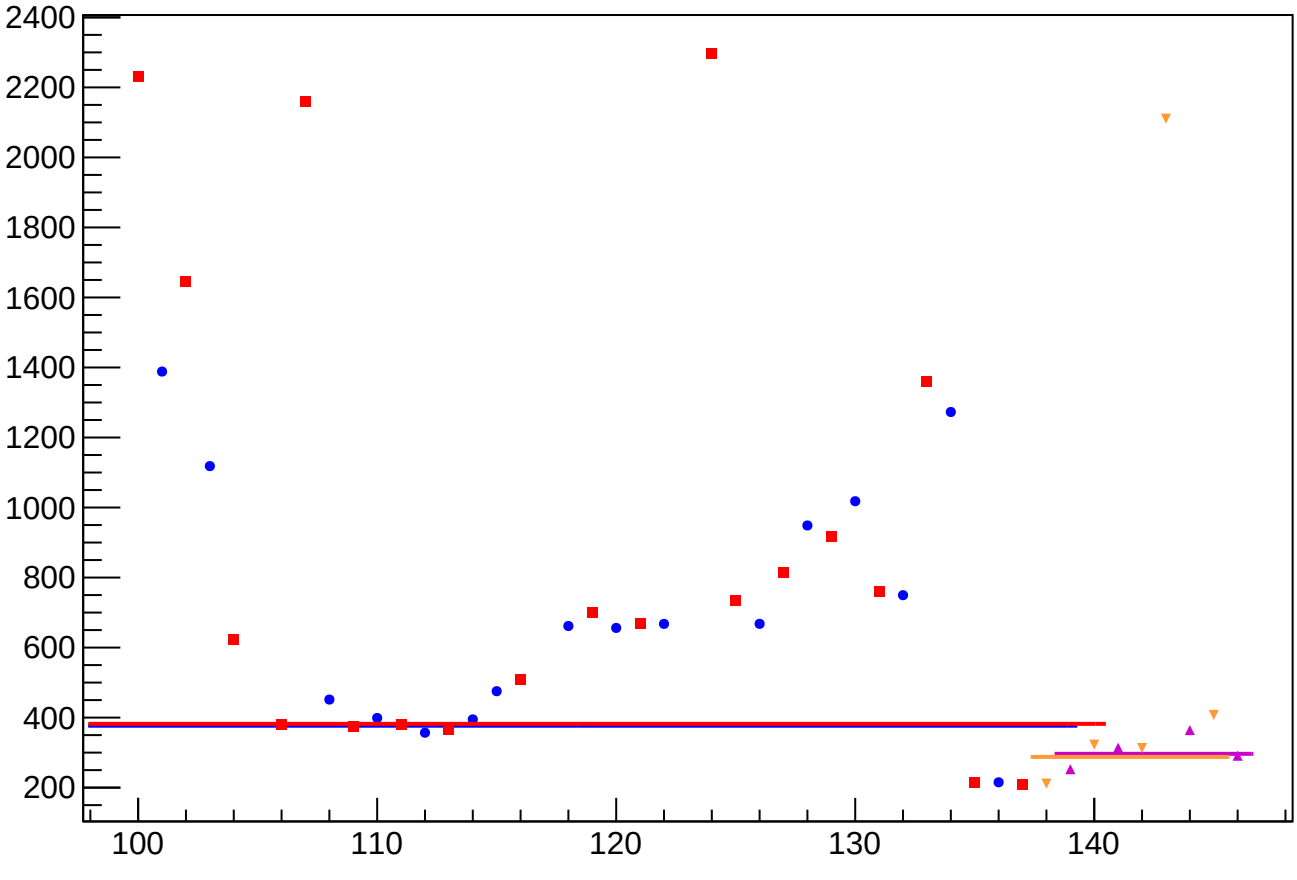
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -120.714+/-116.213 χ^2/NDF:24.4/19

Out: 263.103+/-119.923 χ^2/NDF:19.1/23

All: 65.165+/-83.456 χ^2/NDF: 48.7/43

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: 287.743+/-0.120 χ^2/NDF:1573334.3/4

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

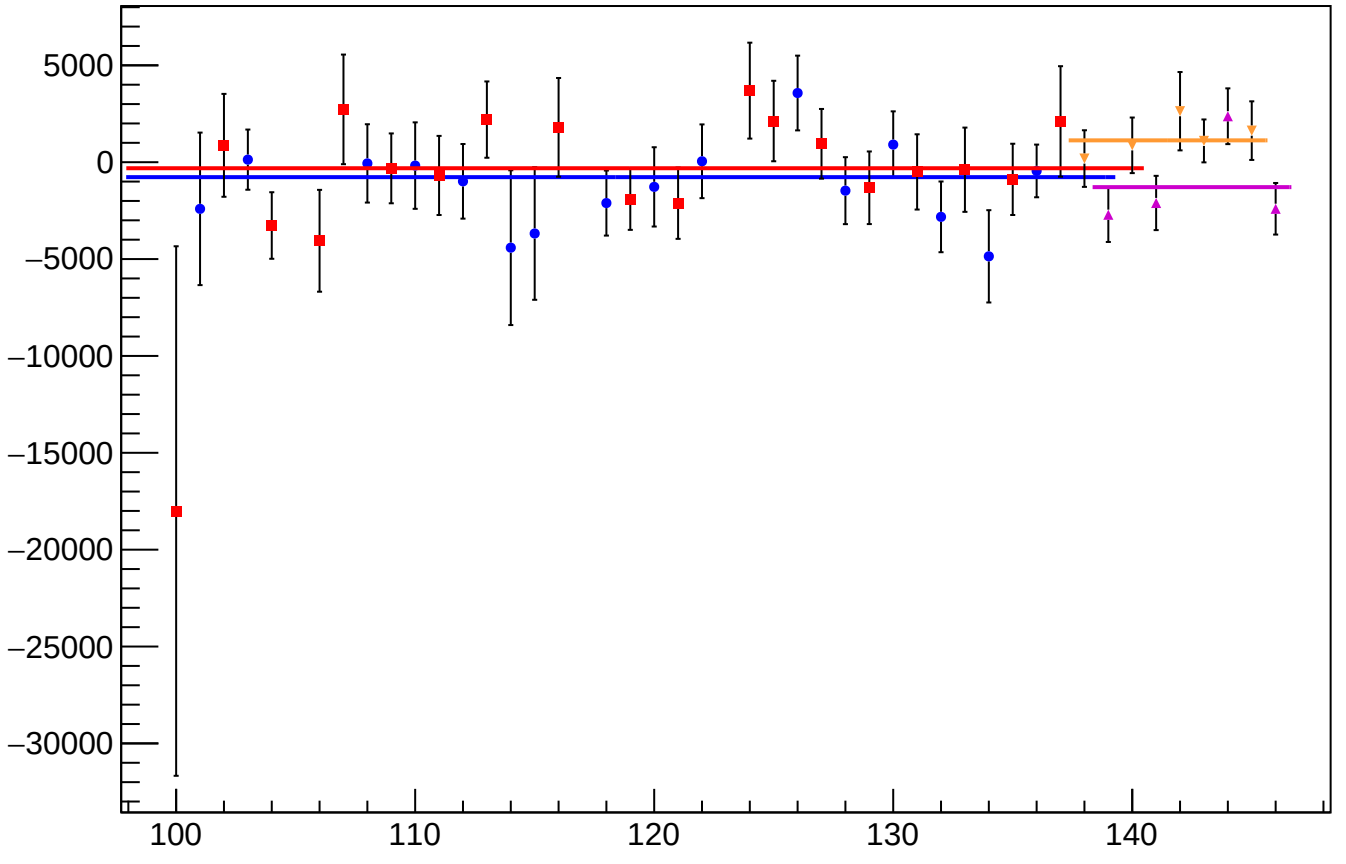
Left: 292.378+/-0.083 χ^2/NDF: 1691906.5/8

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 334.878+/-0.082 χ^2/NDF:4547620.3/19

Out: 335.062+/-0.085 χ^2/NDF:5942702.4/23

All: 334.967+/-0.059 χ^2/NDF: 10490325.1/43



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 1127.187+/-638.641 χ^2/NDF:1.1/4

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -1287.022+/-696.377 χ^2/NDF:8.5/3

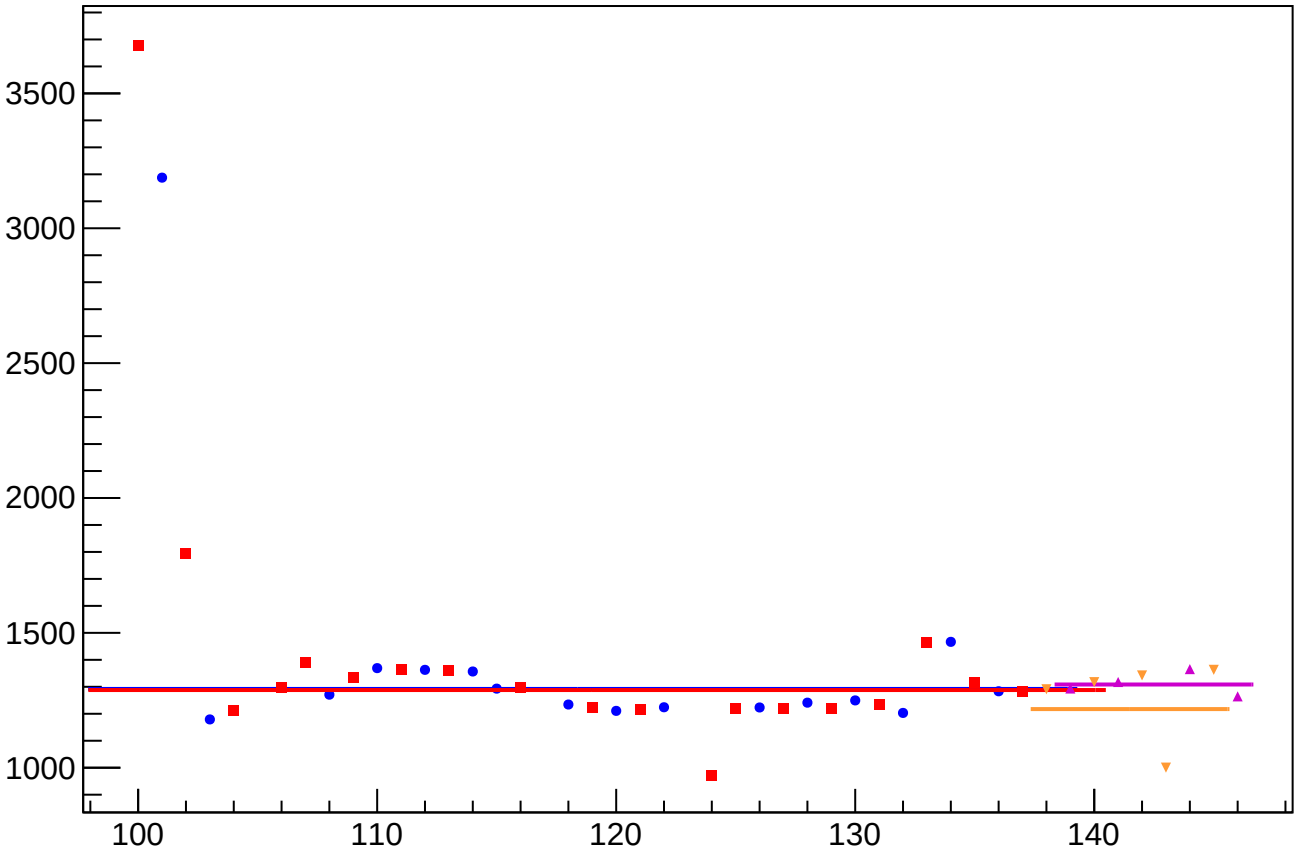
Left: 24.296+/-470.677 χ^2/NDF: 16.2/8

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -942.031+/-400.519 χ^2/NDF:22.5/19

Out: 211.539+/-385.052 χ^2/NDF:22.3/23

All: -342.541+/-277.580 χ^2/NDF: 49.1/43



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1217.380+/-0.452 χ^2/NDF:117768.6/4

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

Left: 1259.017+/-0.333 χ^2/NDF: 142013.7/8

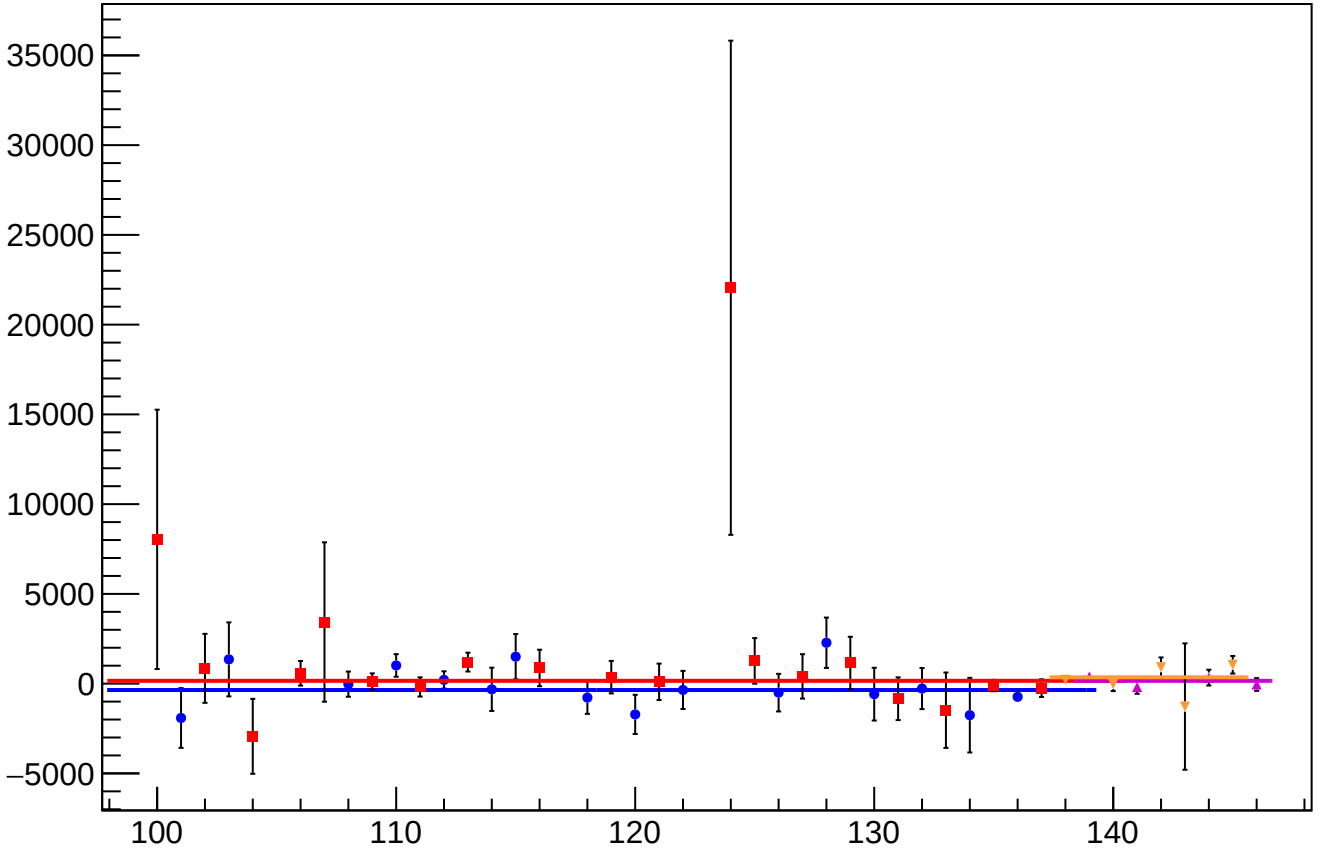
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1297.491+/-0.283 χ^2/NDF:515792.6/19

Out: 1262.321+/-0.272 χ^2/NDF:342537.7/23

All: 1279.214+/-0.196 χ^2/NDF: 866344.6/43

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: 352.458+/-179.843 χ^2/NDF:4.5/4

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 156.827+/-173.571 χ^2/NDF:2.1/3

Left: 251.172+/-124.892 χ^2/NDF: 7.2/8

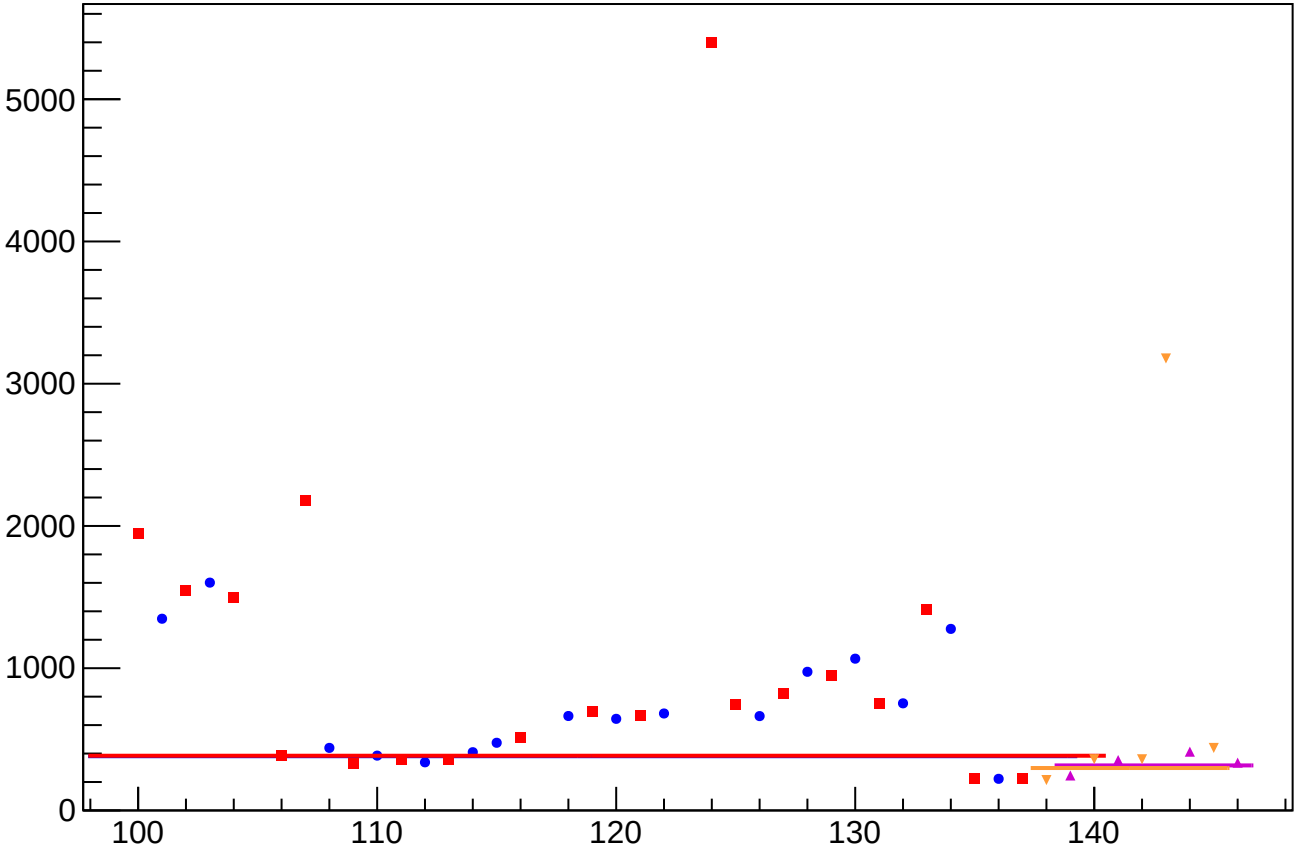
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -104.565+/-121.440 χ^2/NDF:25.0/19

Out: 249.530+/-123.413 χ^2/NDF:21.0/23

All: 69.630+/-86.560 χ^2/NDF: 50.1/43

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: 298.312+/-0.127 χ^2/NDF:1821050.2/4

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 316.615+/-0.123 χ^2/NDF:253502.1/3

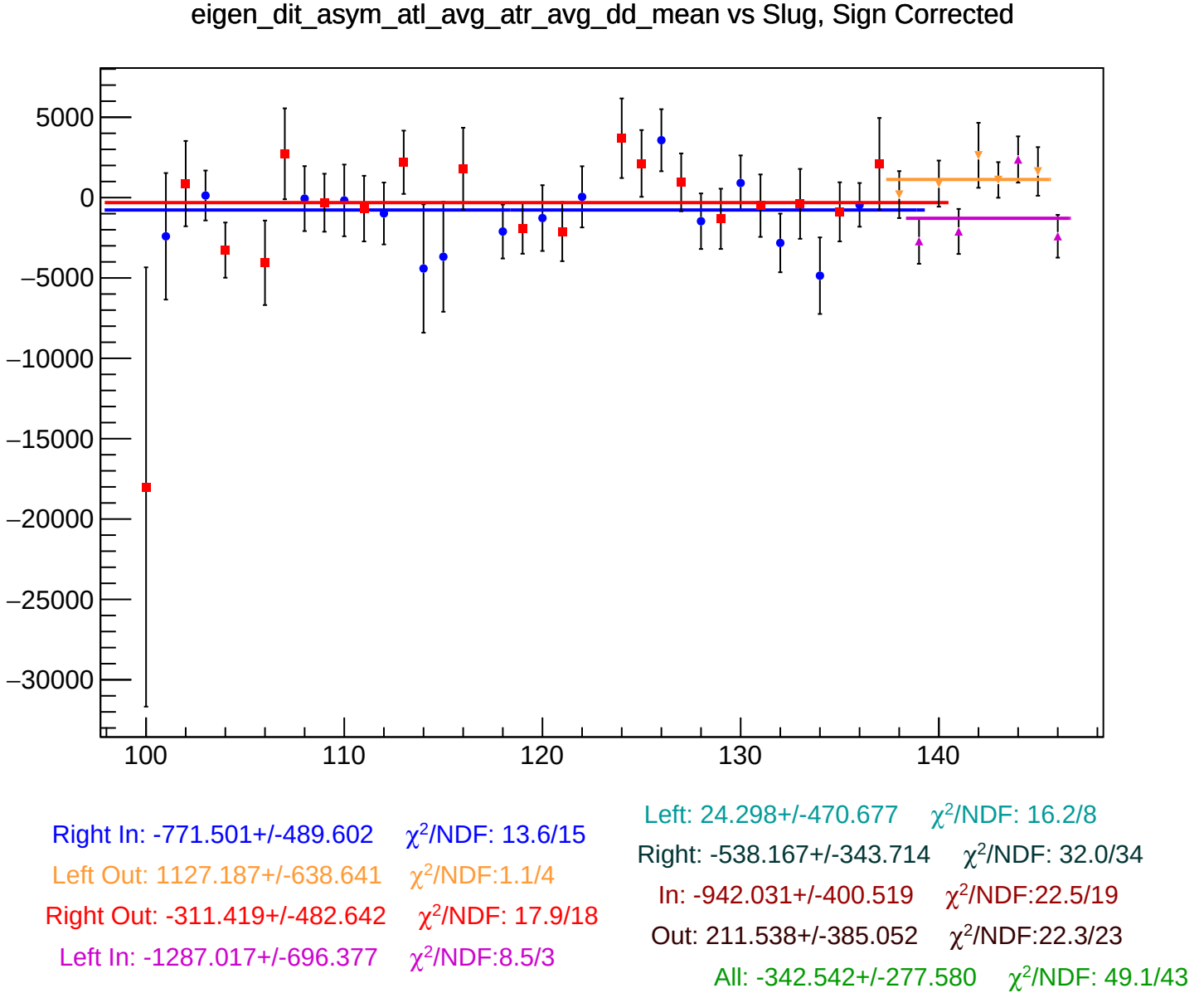
Left: 307.788+/-0.088 χ^2/NDF: 2085277.8/8

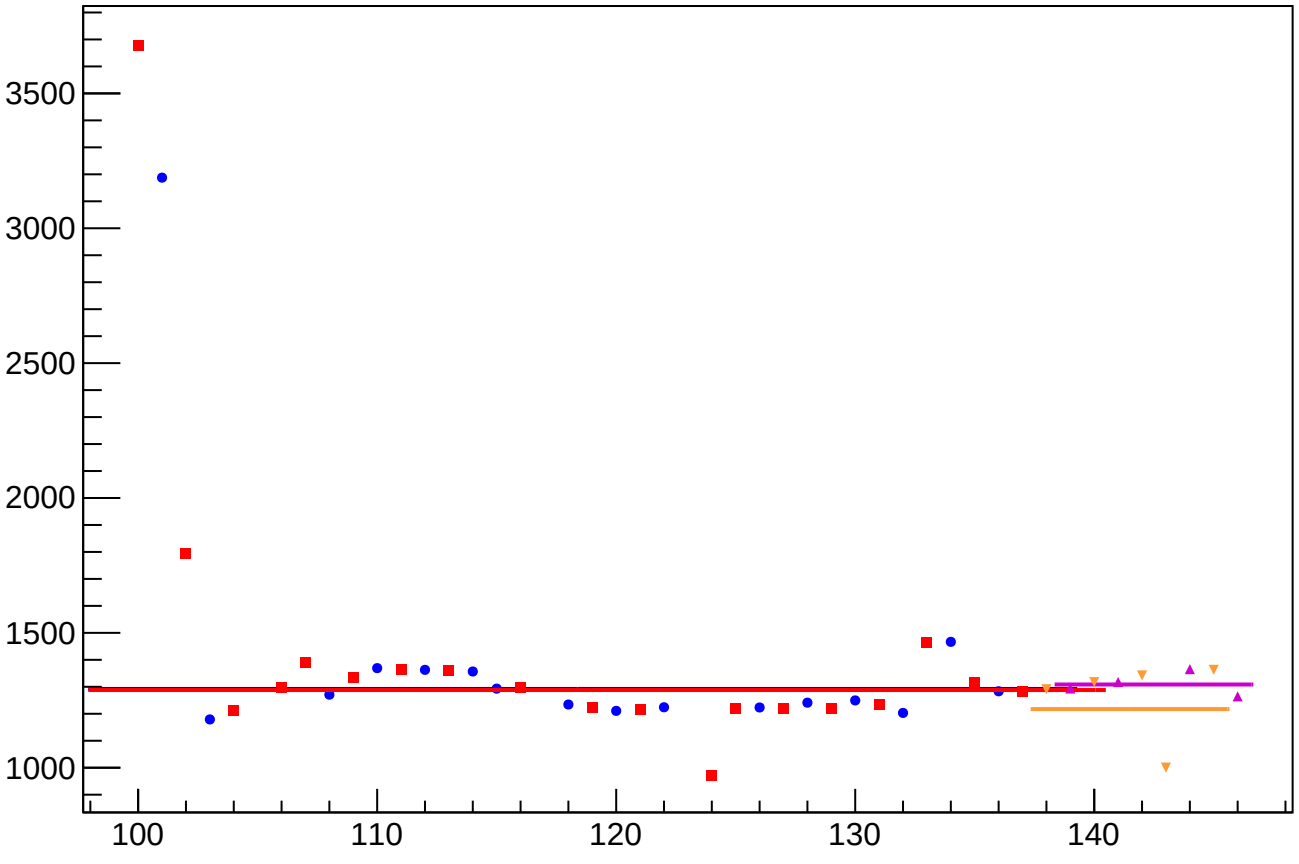
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 349.660+/-0.086 χ^2/NDF:4713434.9/19

Out: 343.993+/-0.087 χ^2/NDF:6625147.1/23

All: 346.873+/-0.061 χ^2/NDF: 11340724.4/43


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
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 1127.187+/-638.641 χ²/NDF:1.1/4
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -1287.017+/-696.377 χ²/NDF:8.5/3
Left: 24.298+/-470.677 χ²/NDF: 16.2/8
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -942.031+/-400.519 χ²/NDF:22.5/19
Out: 211.538+/-385.052 χ²/NDF:22.3/23
All: -342.542+/-277.580 χ²/NDF: 49.1/43



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1217.380+/-0.452 χ^2/NDF:117767.9/4

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

Left: 1259.017+/-0.333 χ^2/NDF: 142012.9/8

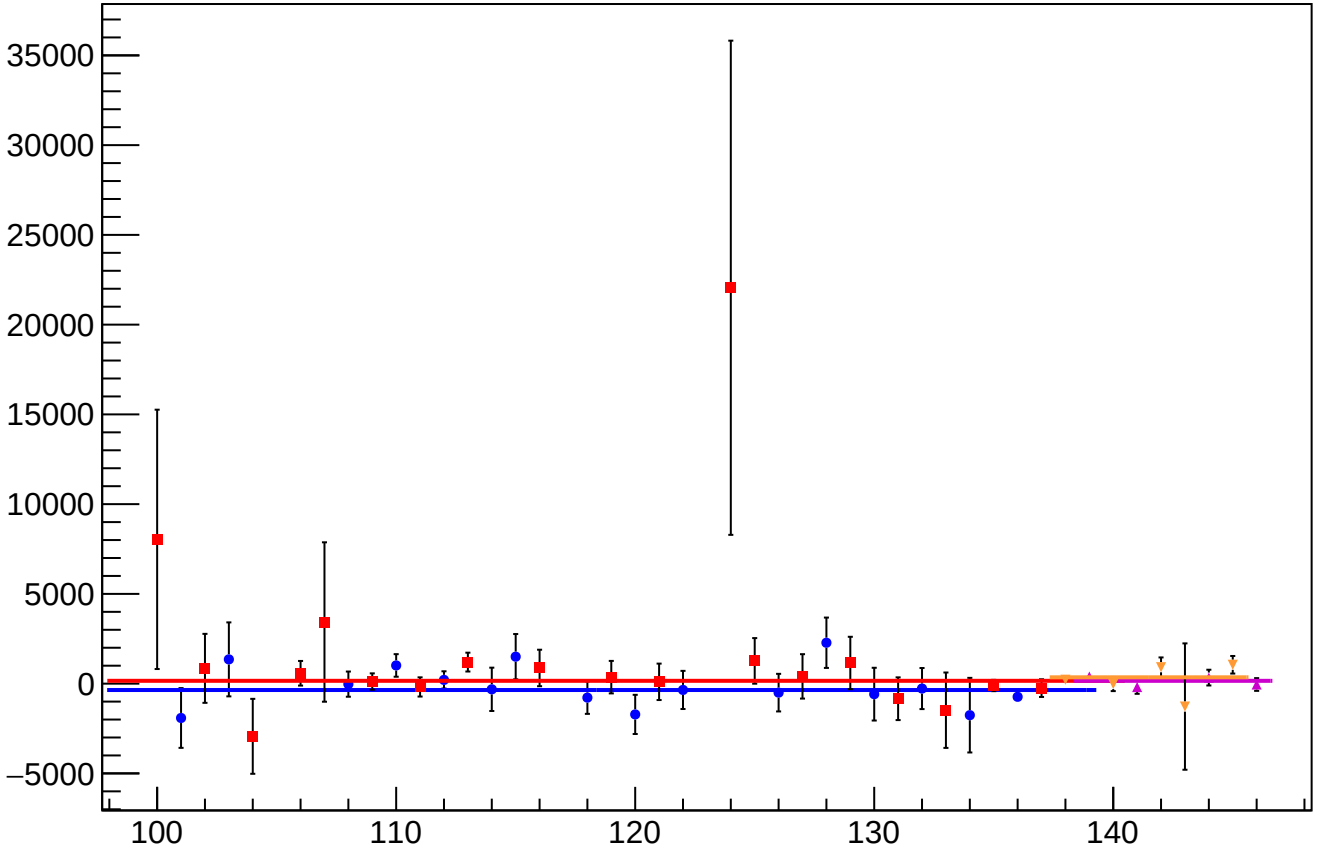
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1297.491+/-0.283 χ^2/NDF:515792.6/19

Out: 1262.321+/-0.272 χ^2/NDF:342537.1/23

All: 1279.214+/-0.196 χ^2/NDF: 866343.9/43

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: 352.476+/-179.850 χ^2/NDF:4.5/4

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 156.827+/-173.575 χ^2/NDF:2.1/3

Left: 251.179+/-124.895 χ^2/NDF: 7.2/8

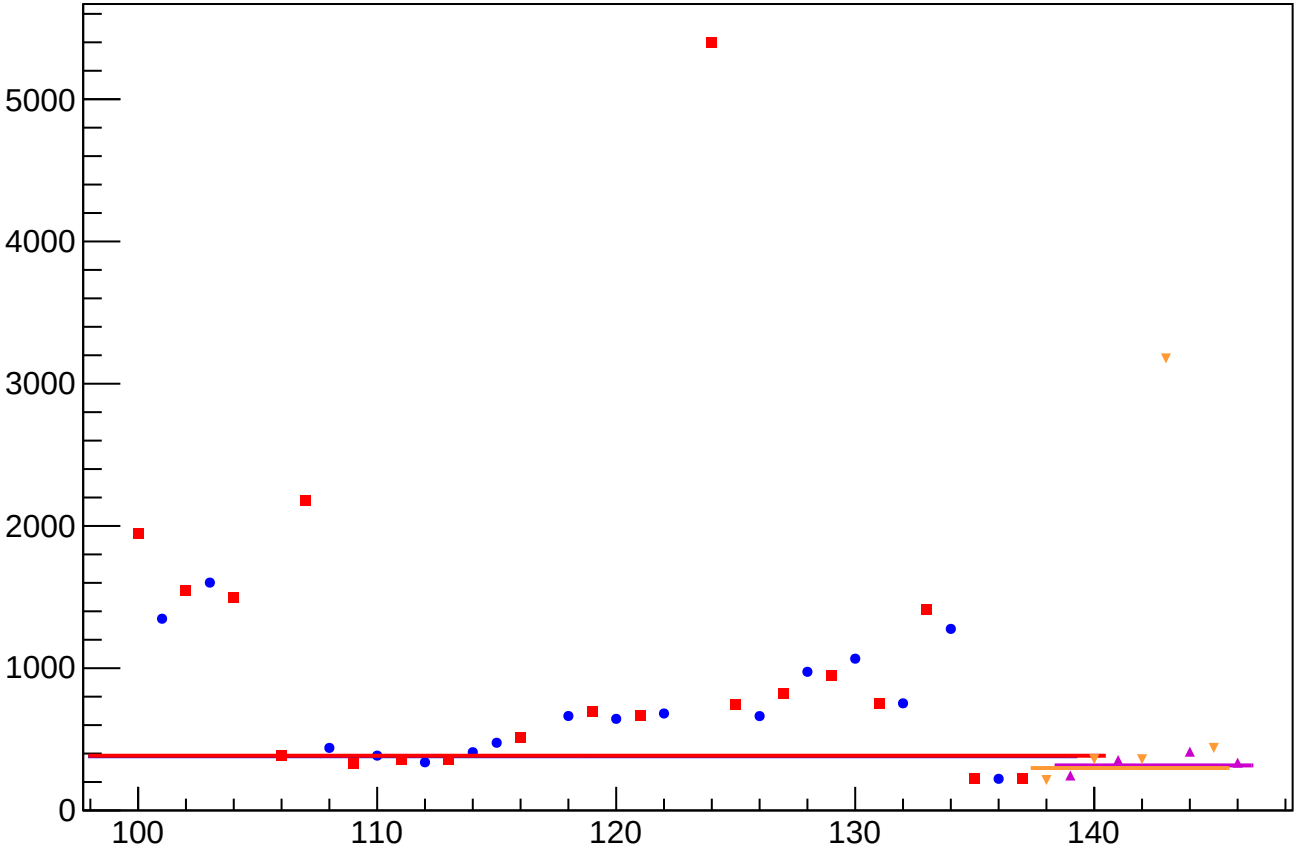
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -104.567+/-121.443 χ^2/NDF:25.0/19

Out: 249.539+/-123.416 χ^2/NDF:21.0/23

All: 69.633+/-86.562 χ^2/NDF: 50.1/43

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: 298.325+/-0.127 χ^2/NDF:1820952.9/4

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 316.624+/-0.123 χ^2/NDF:253434.2/3

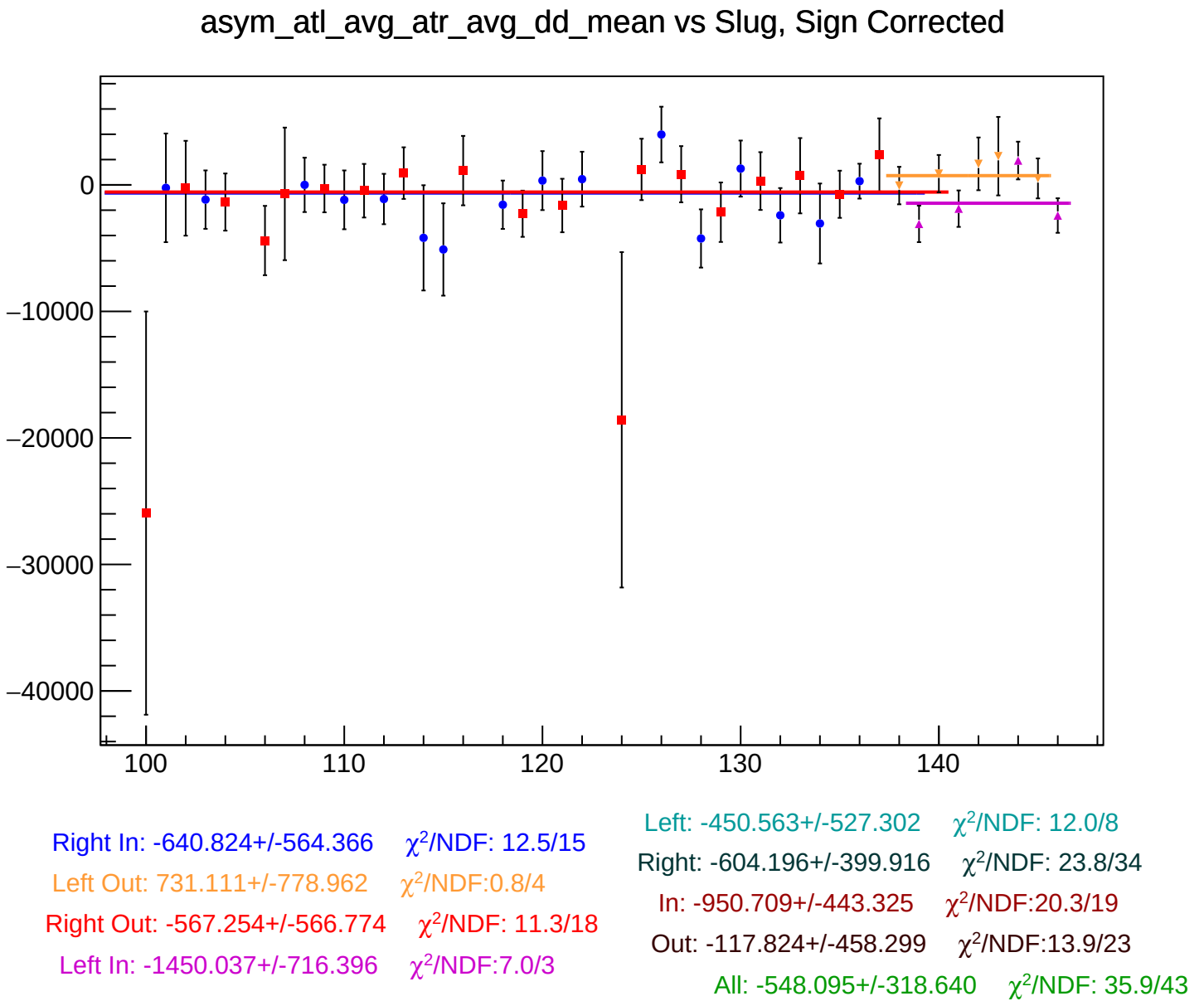
Left: 307.800+/-0.088 χ^2/NDF: 2085106.7/8

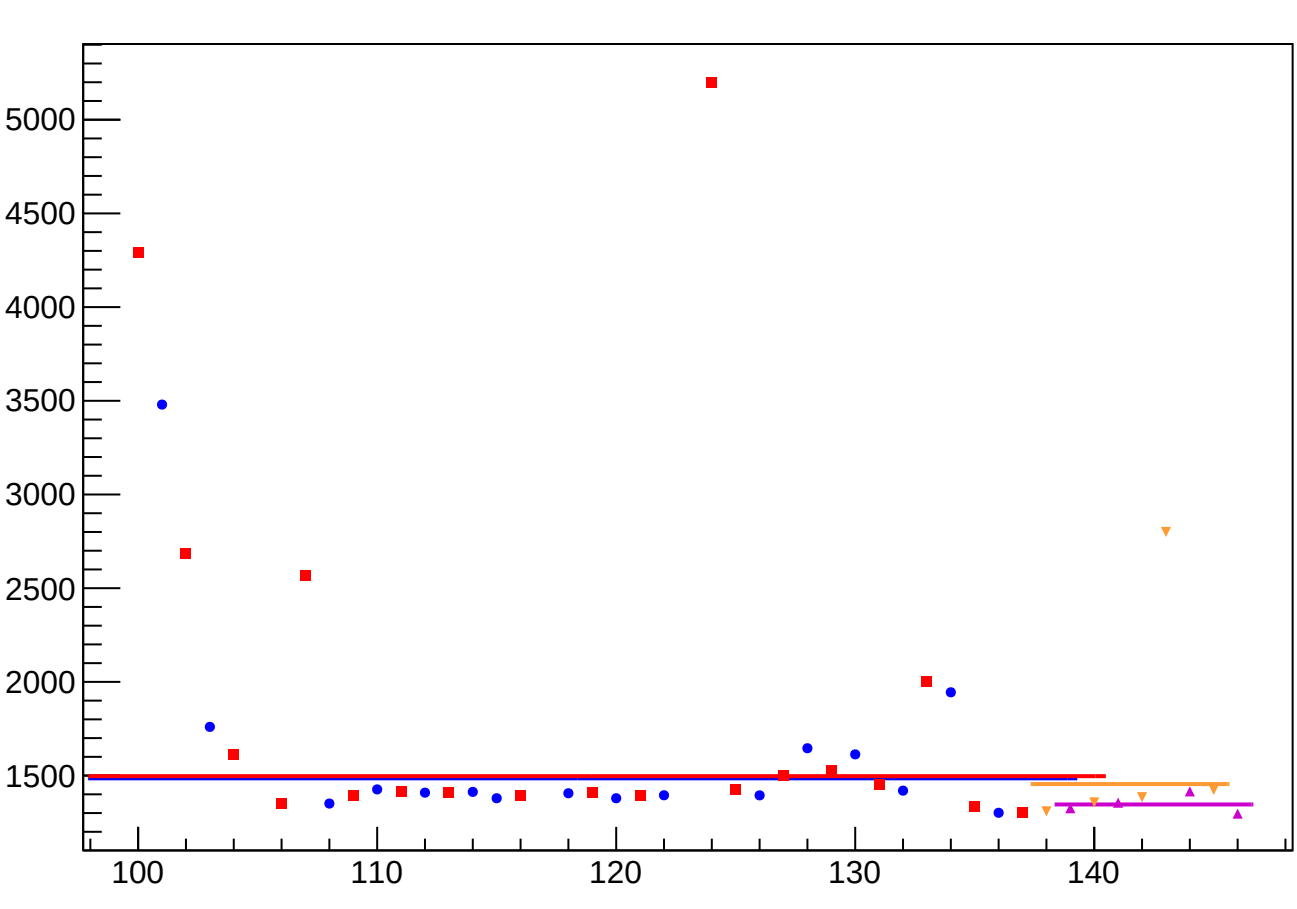
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 349.670+/-0.086 χ^2/NDF:4713179.4/19

Out: 344.005+/-0.087 χ^2/NDF:6624863.5/23

All: 346.883+/-0.061 χ^2/NDF: 11340183.9/43


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 731.111+/-778.962 χ²/NDF:0.8/4
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -1450.037+/-716.396 χ²/NDF:7.0/3
Left: -450.563+/-527.302 χ²/NDF: 12.0/8
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -950.709+/-443.325 χ²/NDF:20.3/19
Out: -117.824+/-458.299 χ²/NDF:13.9/23
All: -548.095+/-318.640 χ²/NDF: 35.9/43



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1454.719+/-0.551 χ^2/NDF:407025.6/4

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1345.885+/-0.507 χ^2/NDF:7419.8/3

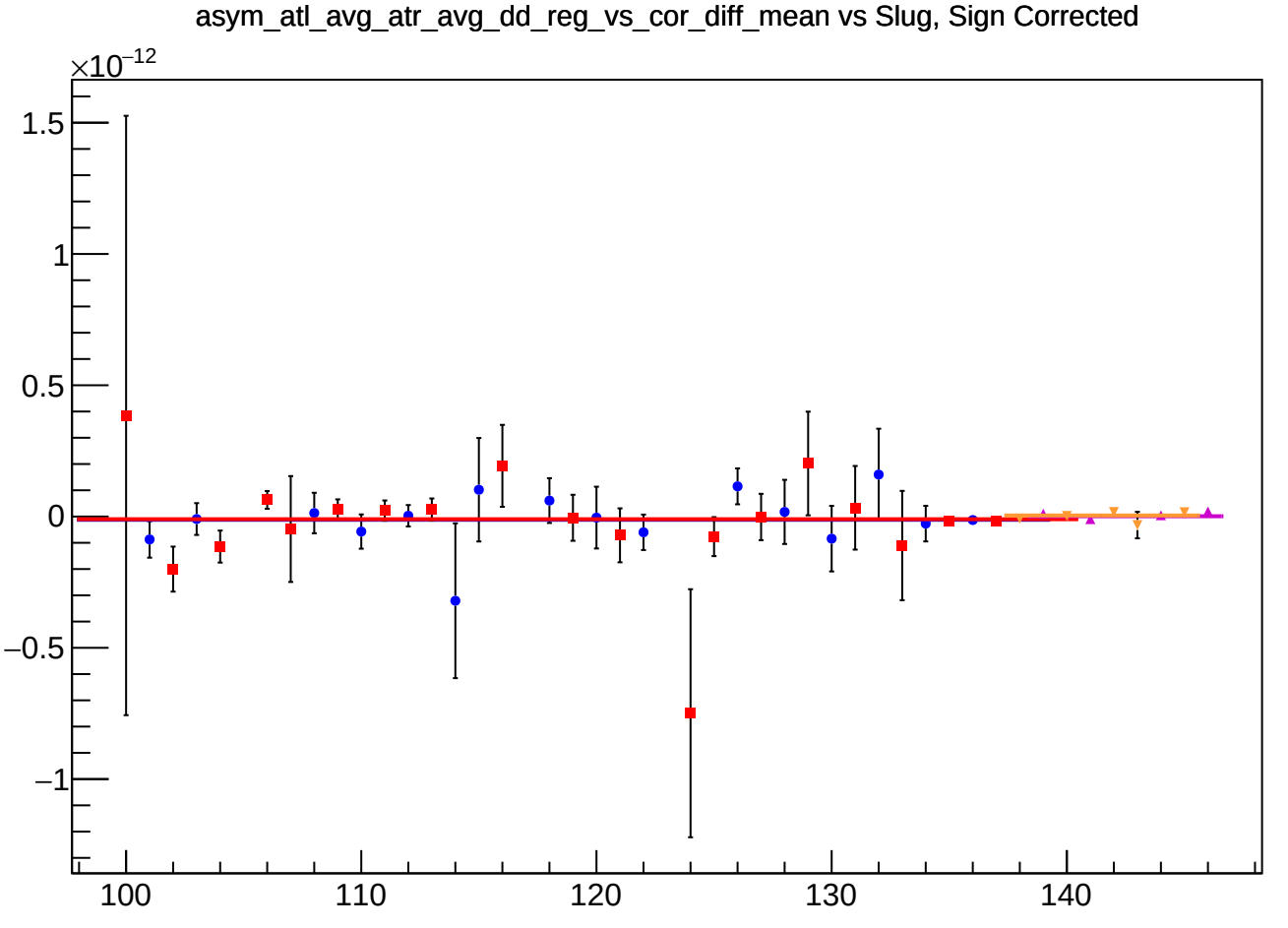
Left: 1395.756+/-0.373 χ^2/NDF: 435596.7/8

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1431.955+/-0.313 χ^2/NDF:638674.6/19

Out: 1482.276+/-0.324 χ^2/NDF:1034146.6/23

All: 1456.280+/-0.225 χ^2/NDF: 1685277.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/3

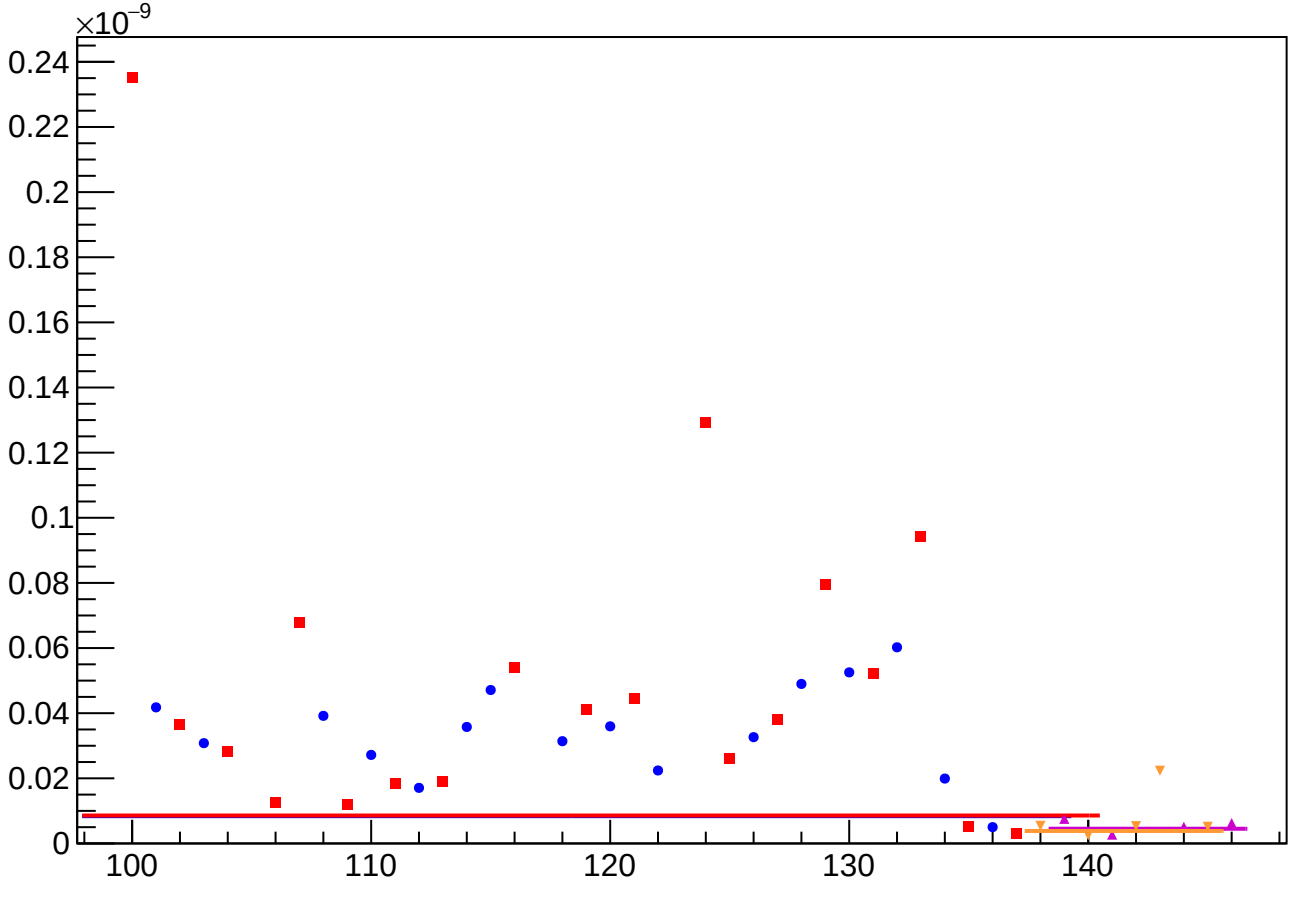
Left: 0.000+/-0.000 χ^2/NDF: 14.1/8

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:19.8/19

Out: 0.000+/-0.000 χ^2/NDF:30.9/23

All: 0.000+/-0.000 χ^2/NDF: 51.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:562090.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:420445.3/3

Left: 0.000+/-0.000 χ^2/NDF: 1015100.7/8

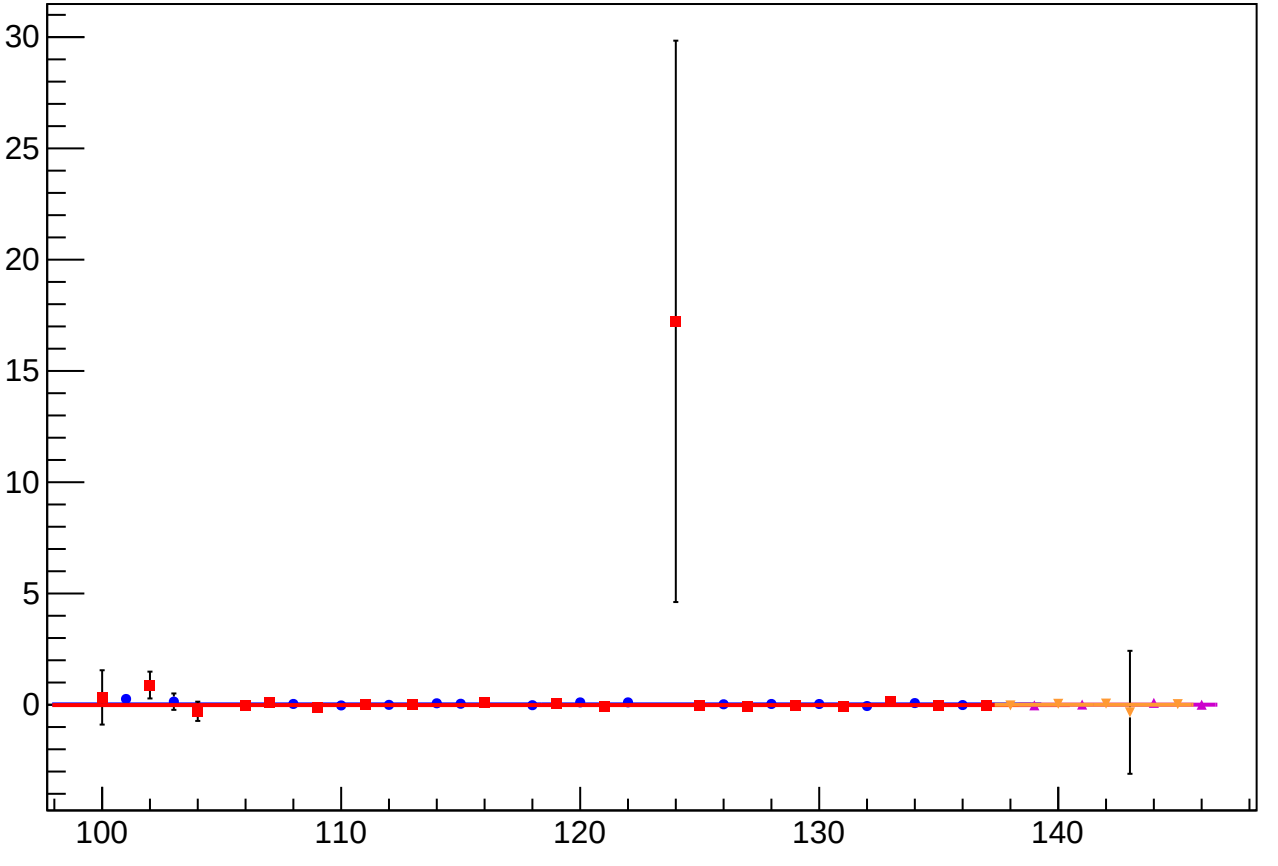
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3899957.6/19

Out: 0.000+/-0.000 χ^2/NDF:4492735.3/23

All: 0.000+/-0.000 χ^2/NDF: 8440293.0/43

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: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: 0.004+/-0.014 χ^2/NDF: 6.5/8

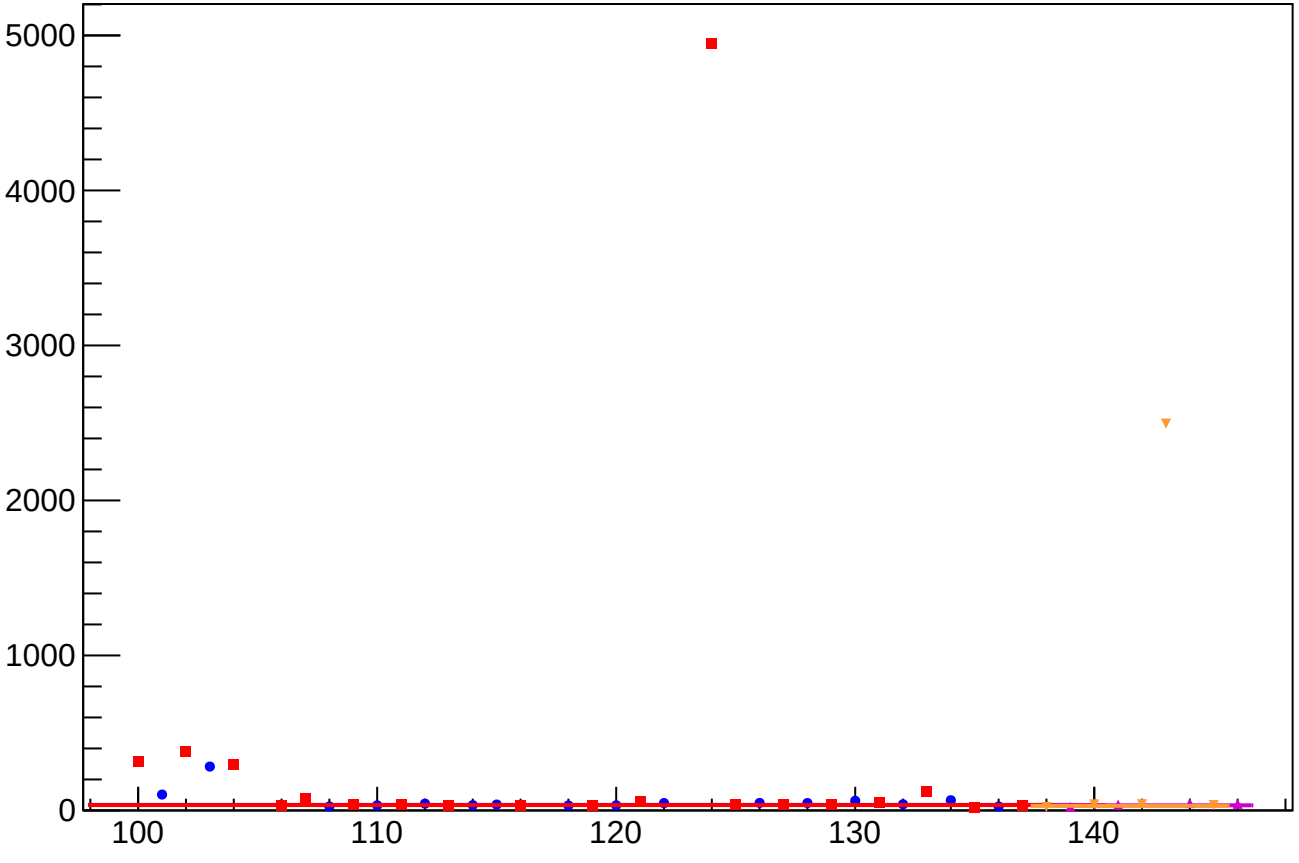
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.007+/-0.012 χ^2/NDF:19.5/23

All: 0.002+/-0.009 χ^2/NDF: 35.9/43

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: 29.891+/-0.014 χ^2/NDF:1894945.5/4

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

Left: 31.508+/-0.010 χ^2/NDF: 2378386.2/8

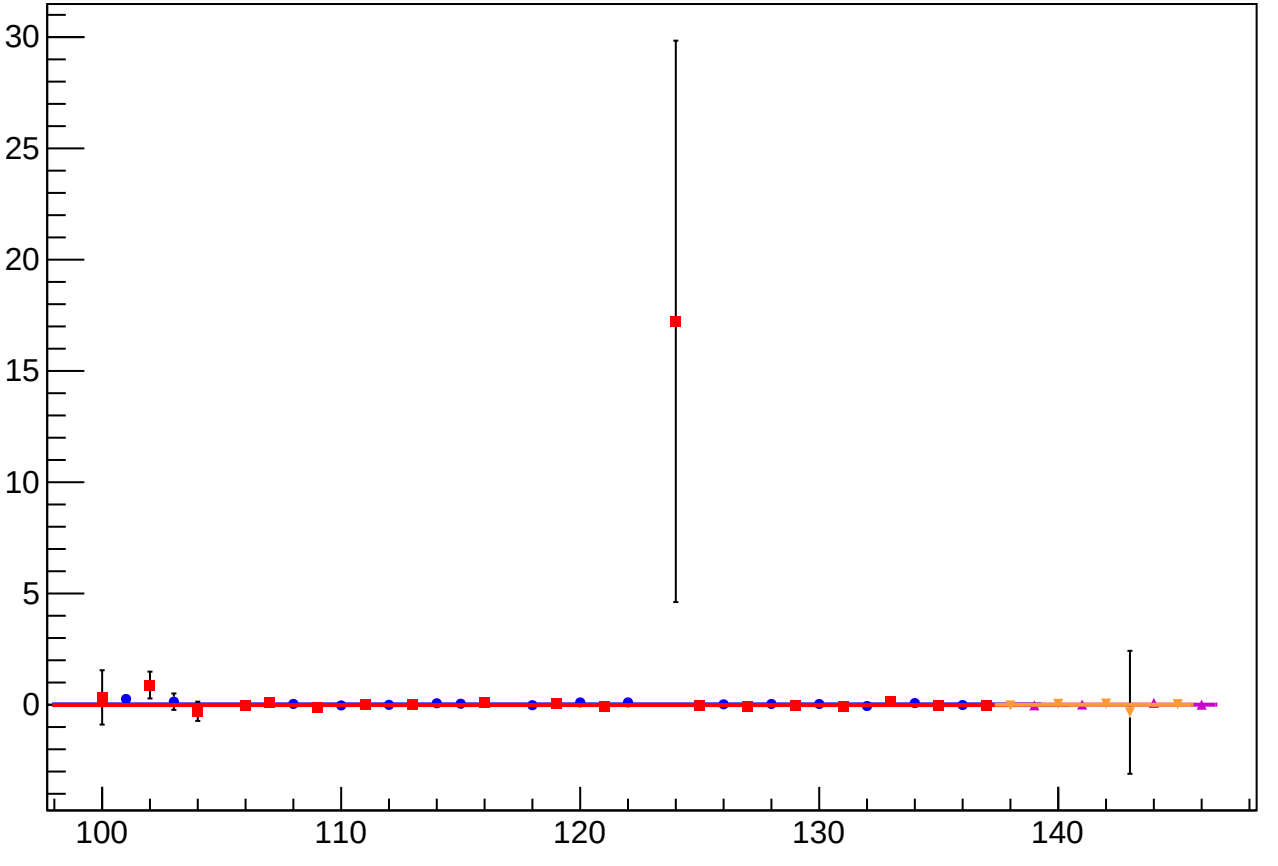
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.779+/-0.009 χ^2/NDF:2742112.0/19

Out: 32.917+/-0.009 χ^2/NDF:4884680.9/23

All: 33.851+/-0.006 χ^2/NDF: 7649912.6/43

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: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: 0.004+/-0.014 χ^2/NDF: 6.5/8

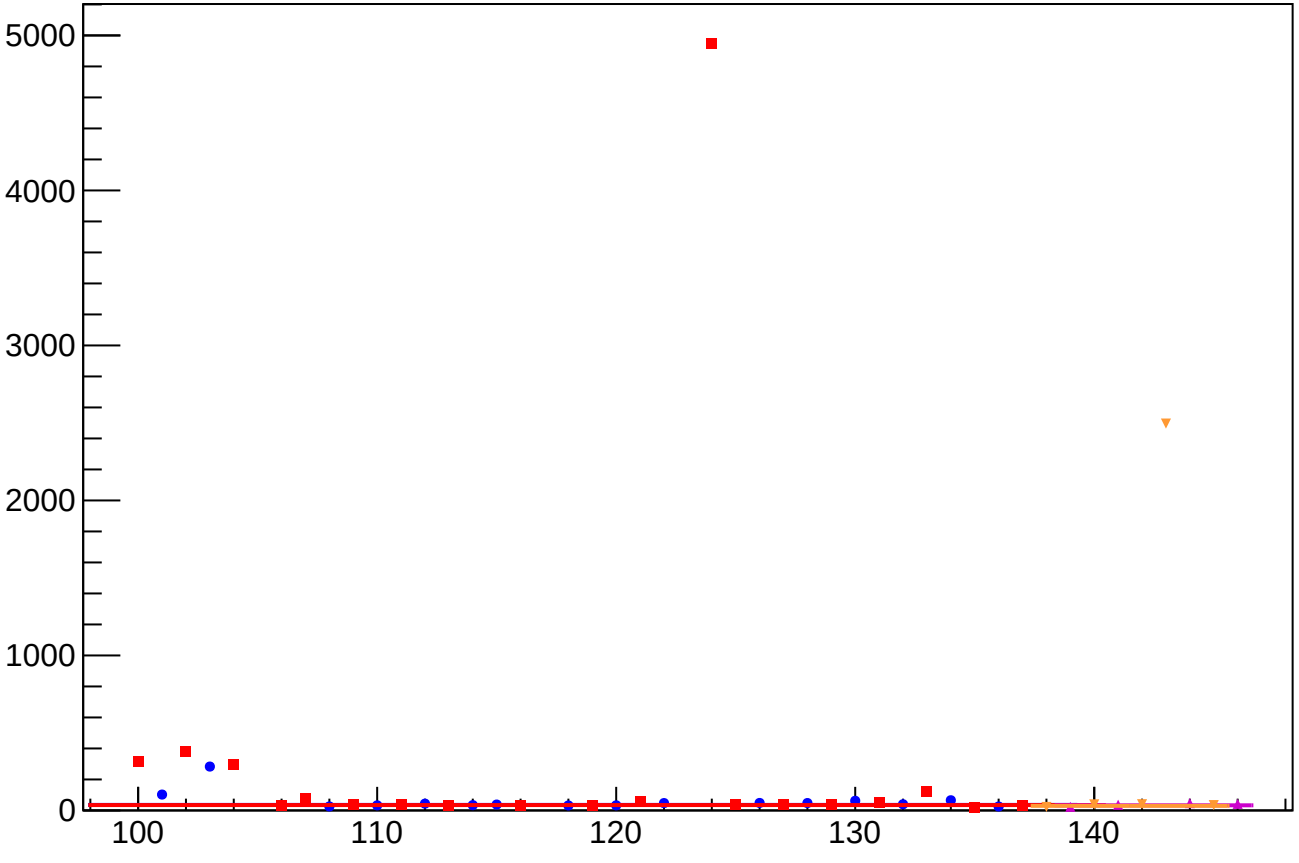
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.007+/-0.012 χ^2/NDF:19.5/23

All: 0.002+/-0.009 χ^2/NDF: 35.9/43

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: 29.891+/-0.014 χ^2/NDF:1894945.5/4

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

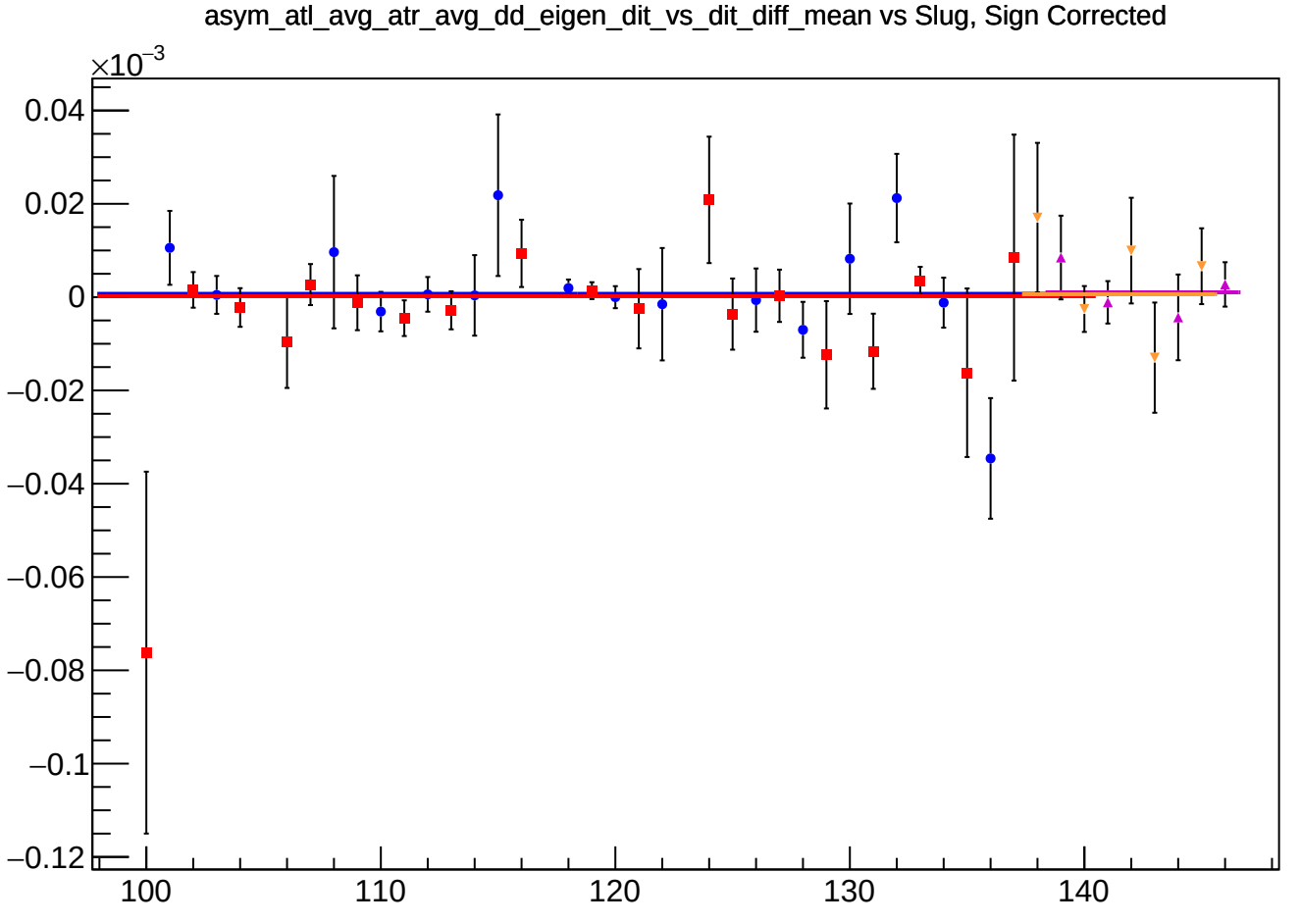
Left: 31.508+/-0.010 χ^2/NDF: 2378386.2/8

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.779+/-0.009 χ^2/NDF:2742112.0/19

Out: 32.917+/-0.009 χ^2/NDF:4884680.9/23

All: 33.851+/-0.006 χ^2/NDF: 7649912.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

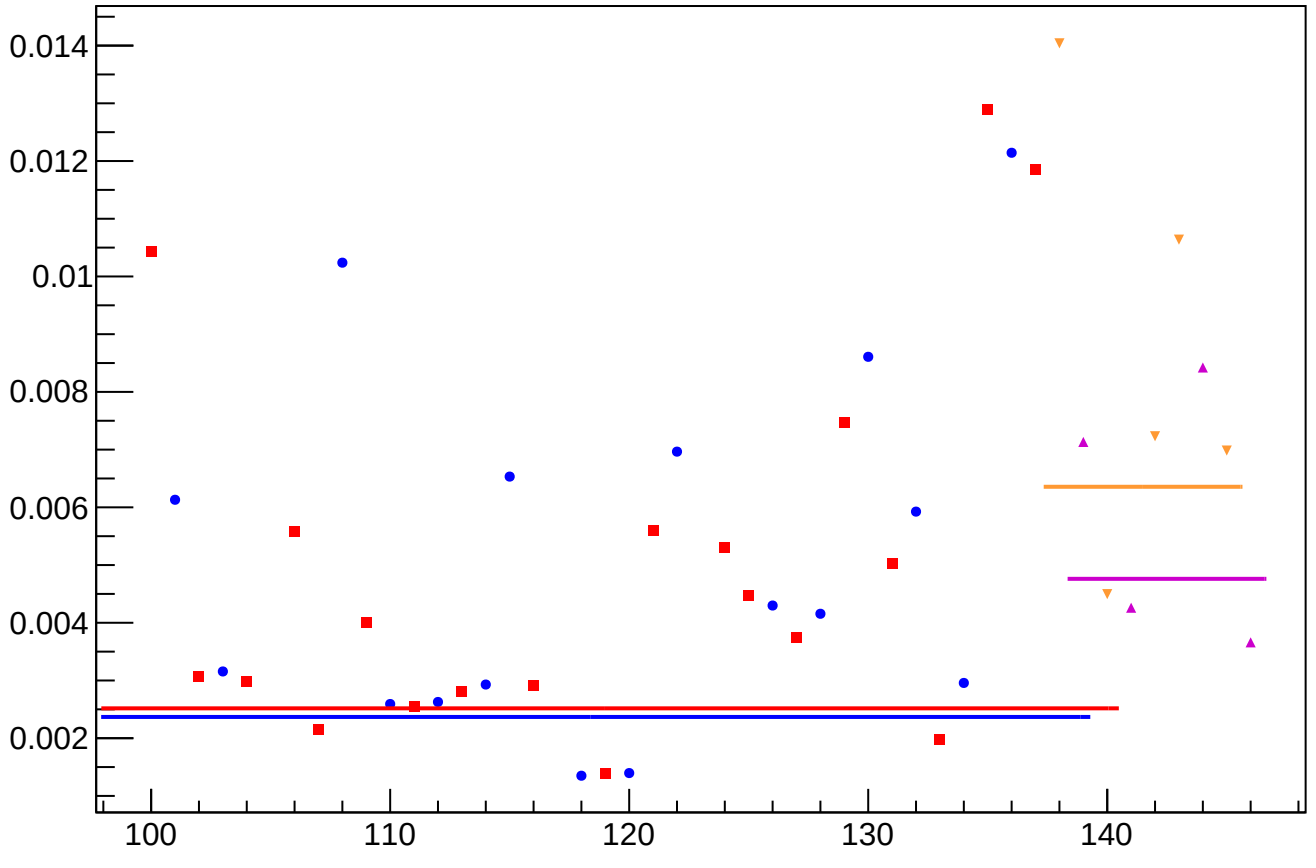
Left: 0.000+/-0.000 χ^2/NDF: 5.4/8

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:20.5/19

Out: 0.000+/-0.000 χ^2/NDF:22.1/23

All: 0.000+/-0.000 χ^2/NDF: 42.7/43



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:1032290.1/4

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.005+/-0.000 χ^2/NDF:588503.3/3

Left: 0.005+/-0.000 χ^2/NDF: 1853868.8/8

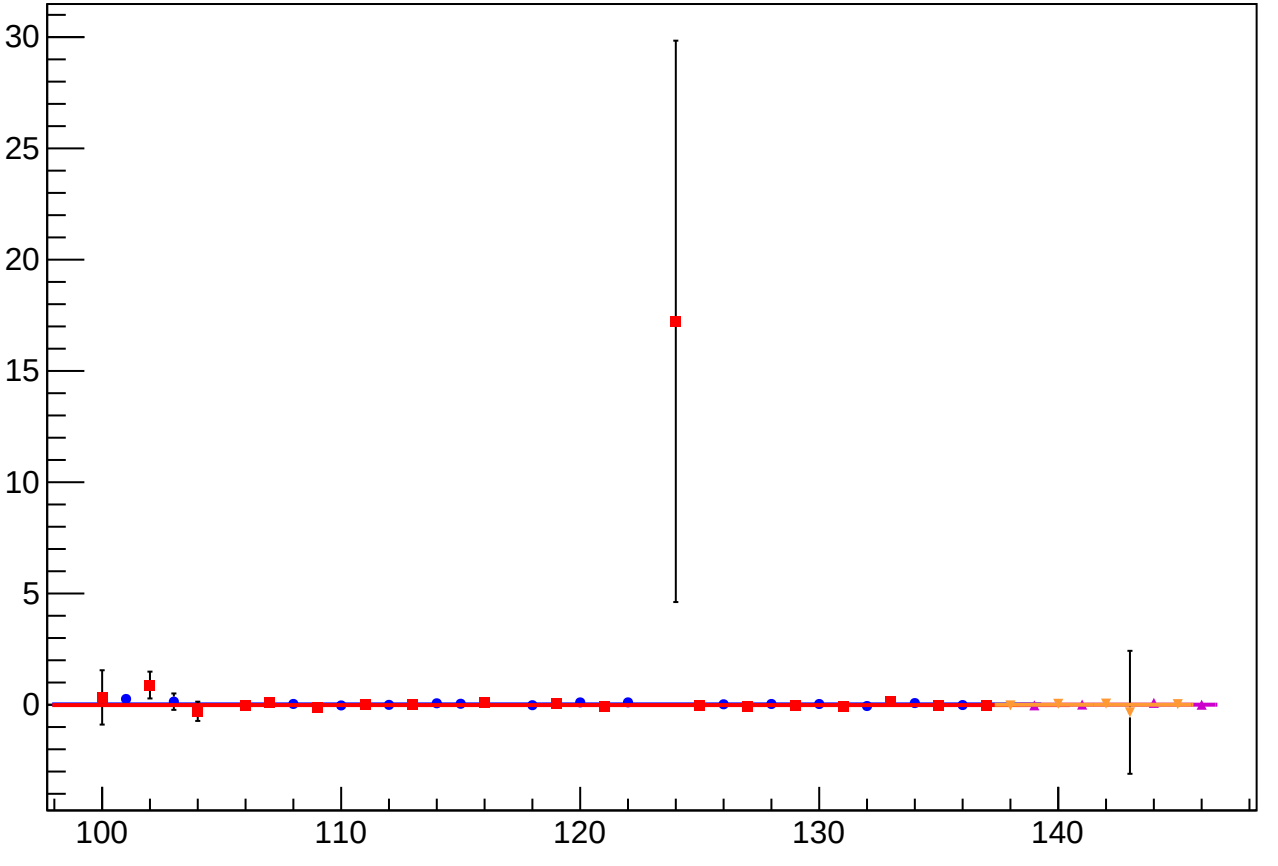
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6480979.3/19

Out: 0.003+/-0.000 χ^2/NDF:6475939.6/23

All: 0.003+/-0.000 χ^2/NDF: 12978650.0/43

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: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: 0.004+/-0.014 χ^2/NDF: 6.5/8

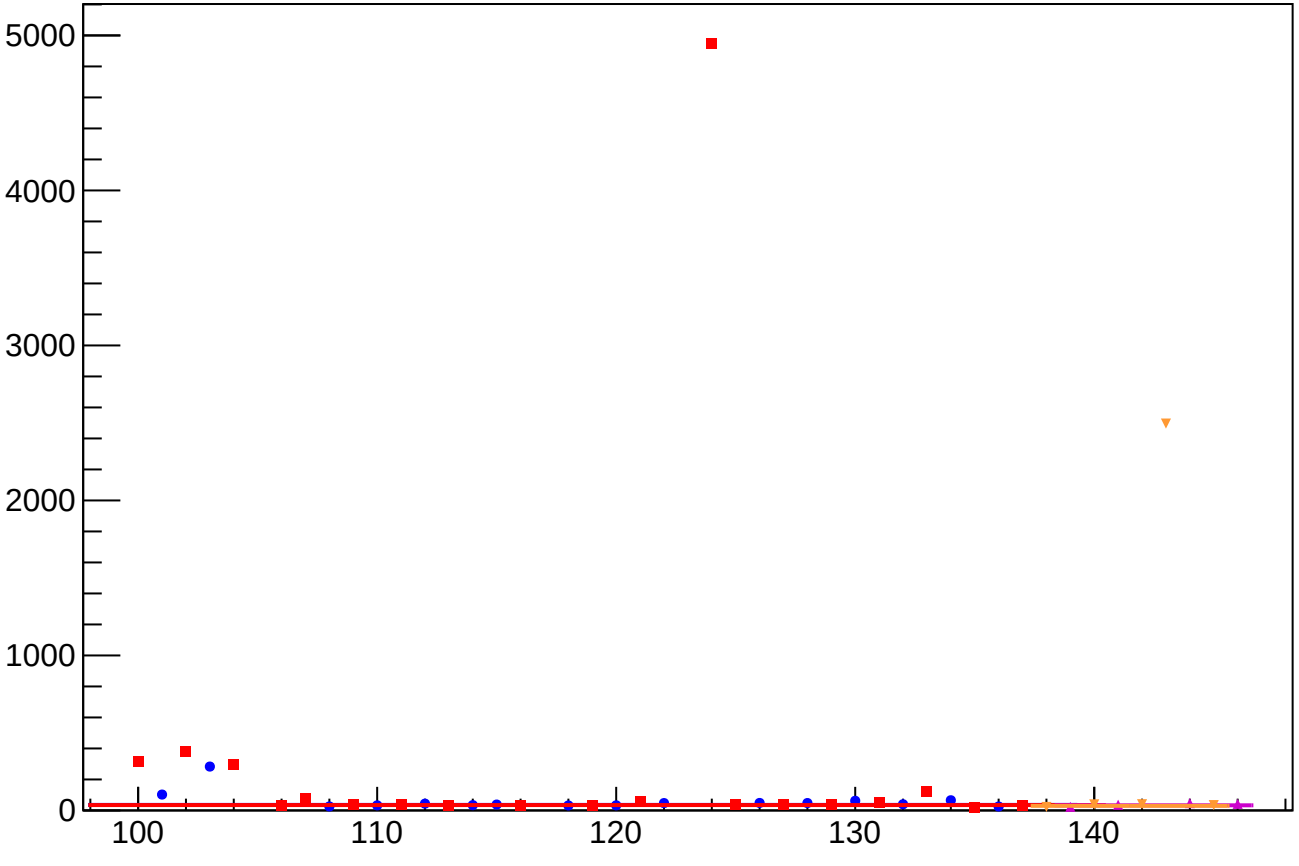
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.007+/-0.012 χ^2/NDF:19.5/23

All: 0.002+/-0.009 χ^2/NDF: 35.9/43

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: 29.892+/-0.014 χ^2/NDF:1895152.8/4

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

Left: 31.507+/-0.010 χ^2/NDF: 2378856.9/8

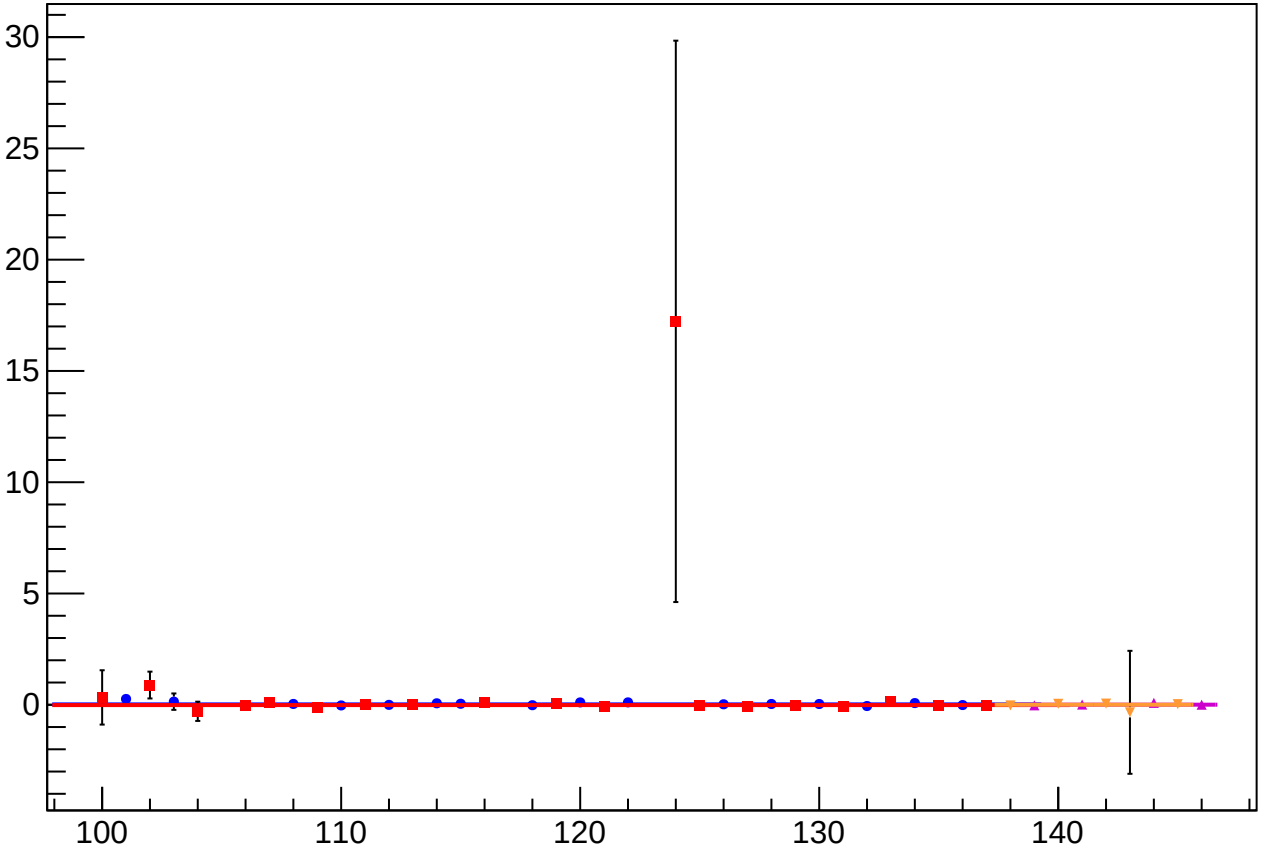
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.779+/-0.009 χ^2/NDF:2742257.4/19

Out: 32.918+/-0.009 χ^2/NDF:4884721.2/23

All: 33.851+/-0.006 χ^2/NDF: 7650063.2/43

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: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: 0.004+/-0.014 χ^2/NDF: 6.5/8

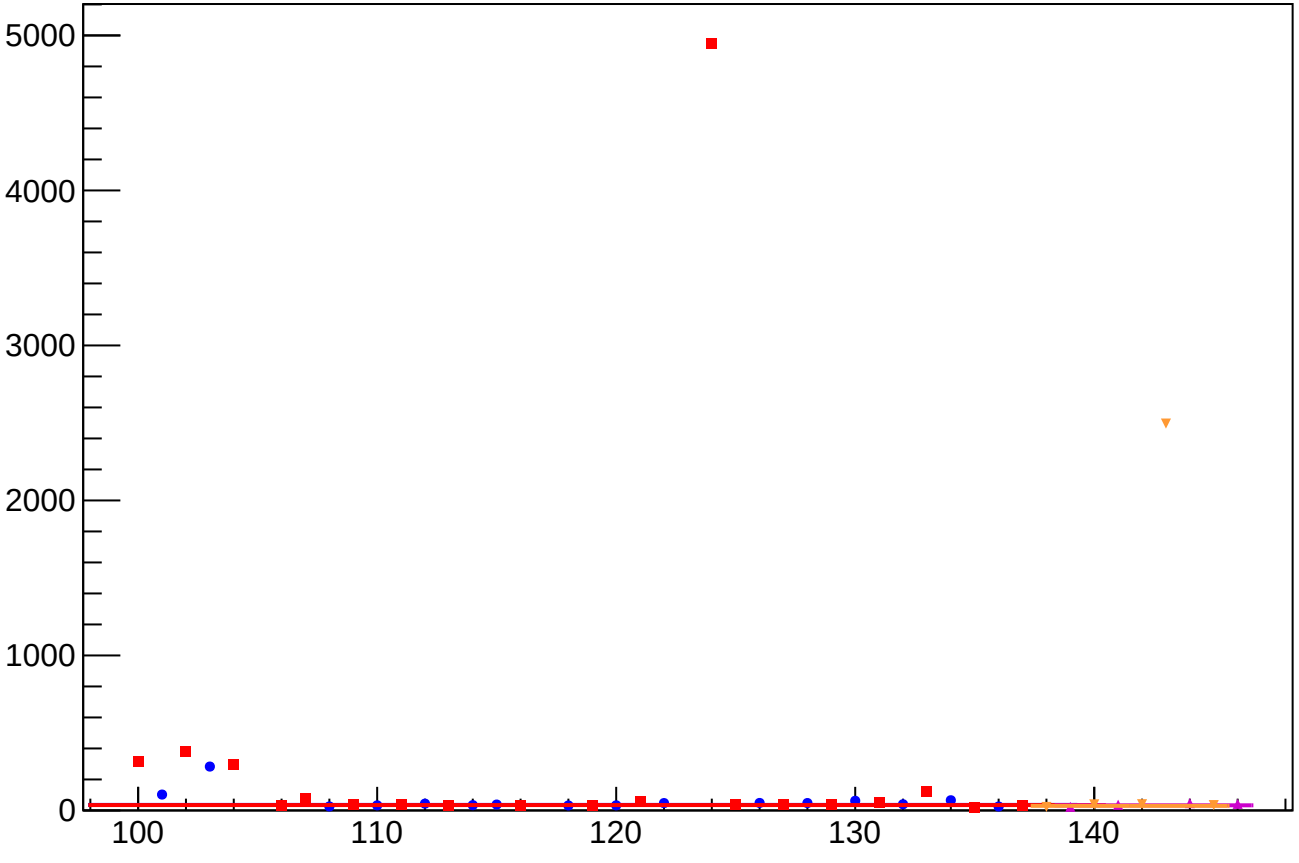
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.007+/-0.012 χ^2/NDF:19.5/23

All: 0.002+/-0.009 χ^2/NDF: 35.9/43

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: 29.892+/-0.014 χ^2/NDF:1895152.8/4

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

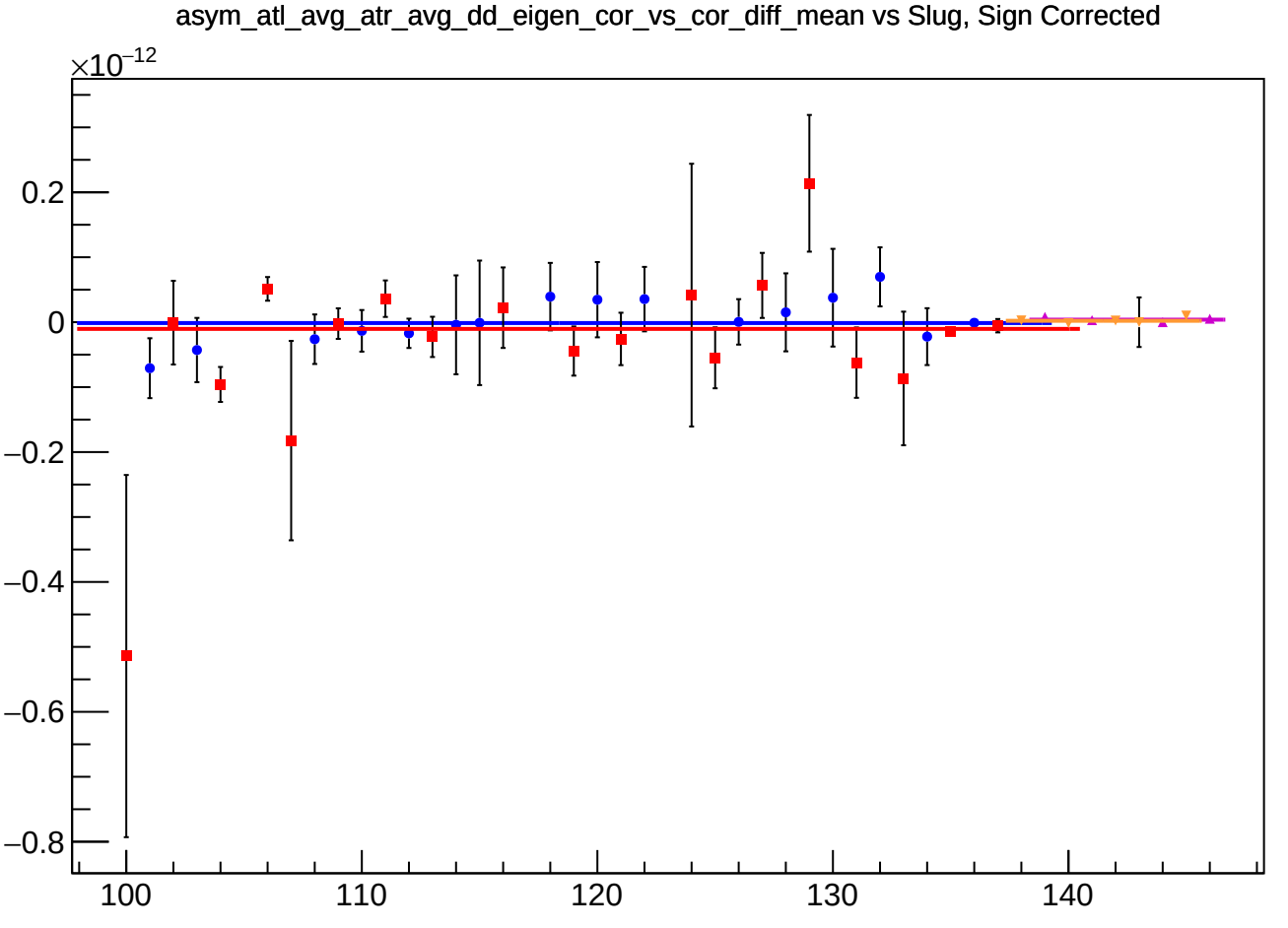
Left: 31.507+/-0.010 χ^2/NDF: 2378856.9/8

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.779+/-0.009 χ^2/NDF:2742257.4/19

Out: 32.918+/-0.009 χ^2/NDF:4884721.2/23

All: 33.851+/-0.006 χ^2/NDF: 7650063.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

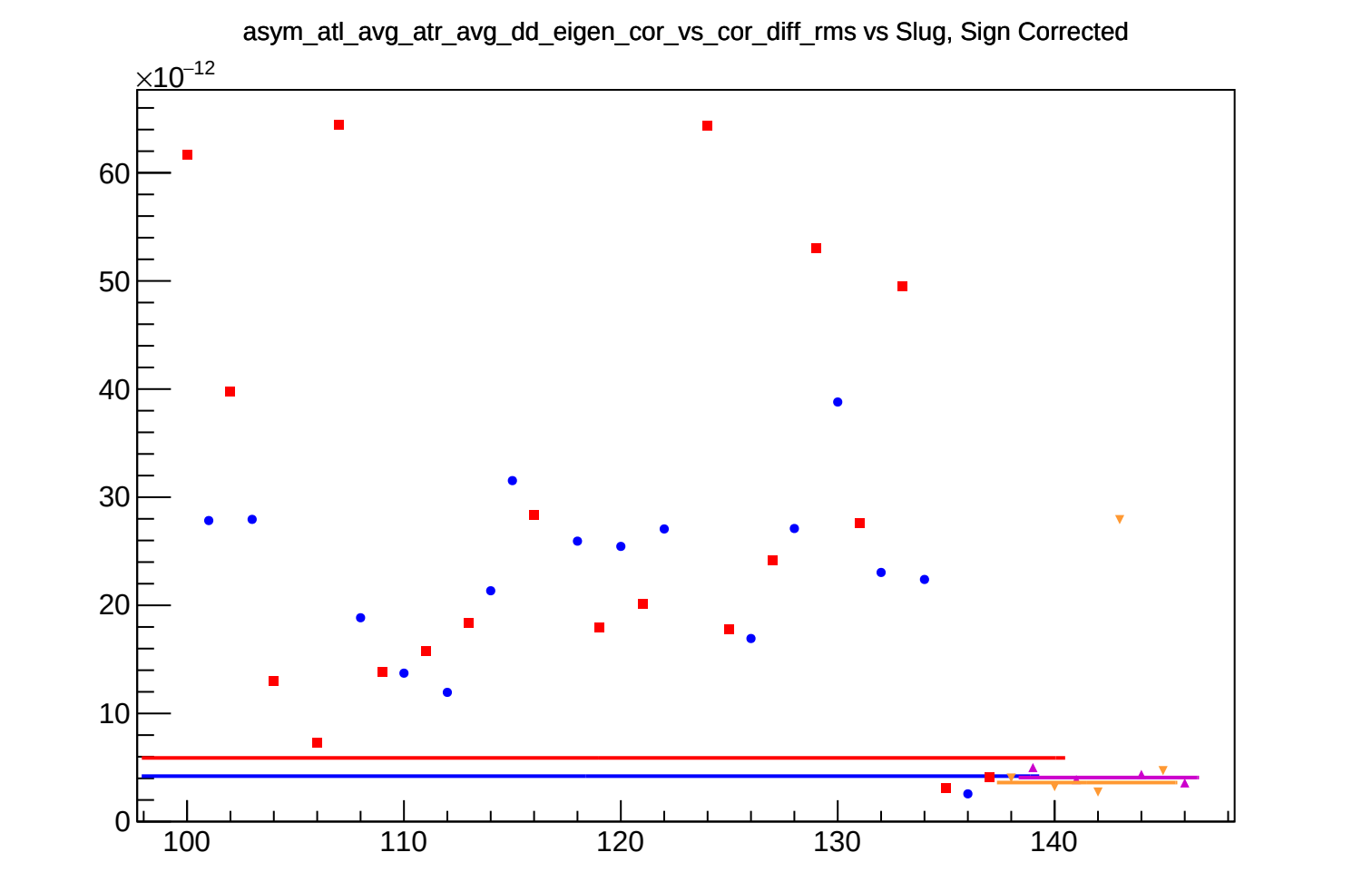
Left: 0.000+/-0.000 χ^2/NDF: 3.7/8

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:11.1/19

Out: -0.000+/-0.000 χ^2/NDF:48.8/23

All: 0.000+/-0.000 χ^2/NDF: 61.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:958016.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:68650.8/3

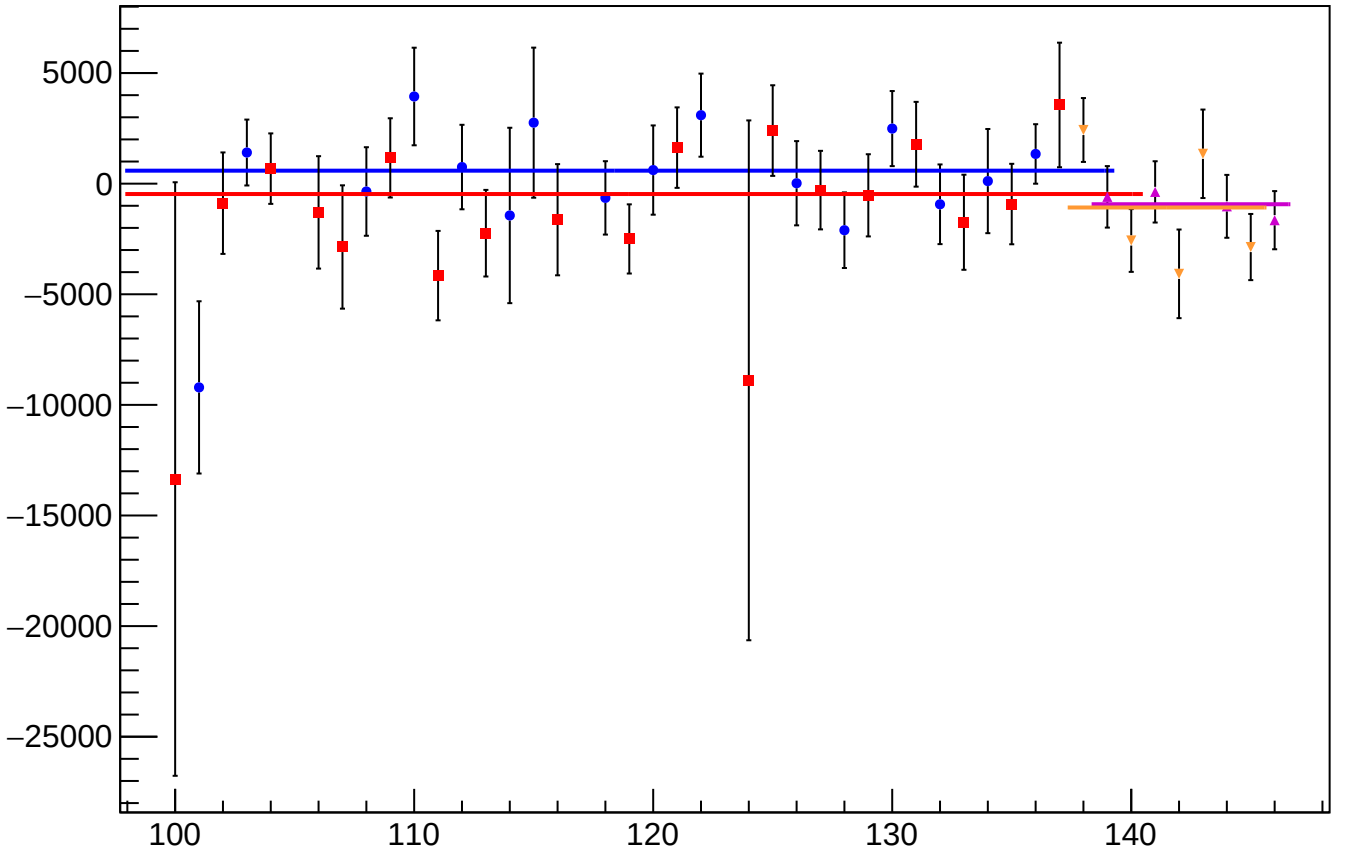
Left: 0.000+/-0.000 χ^2/NDF: 1059066.8/8

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5150624.5/19

Out: 0.000+/-0.000 χ^2/NDF:6255128.5/23

All: 0.000+/-0.000 χ^2/NDF: 11407794.4/43



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.472+/-721.142 χ^2/NDF:12.1/4

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -930.335+/-688.021 χ^2/NDF:0.5/3

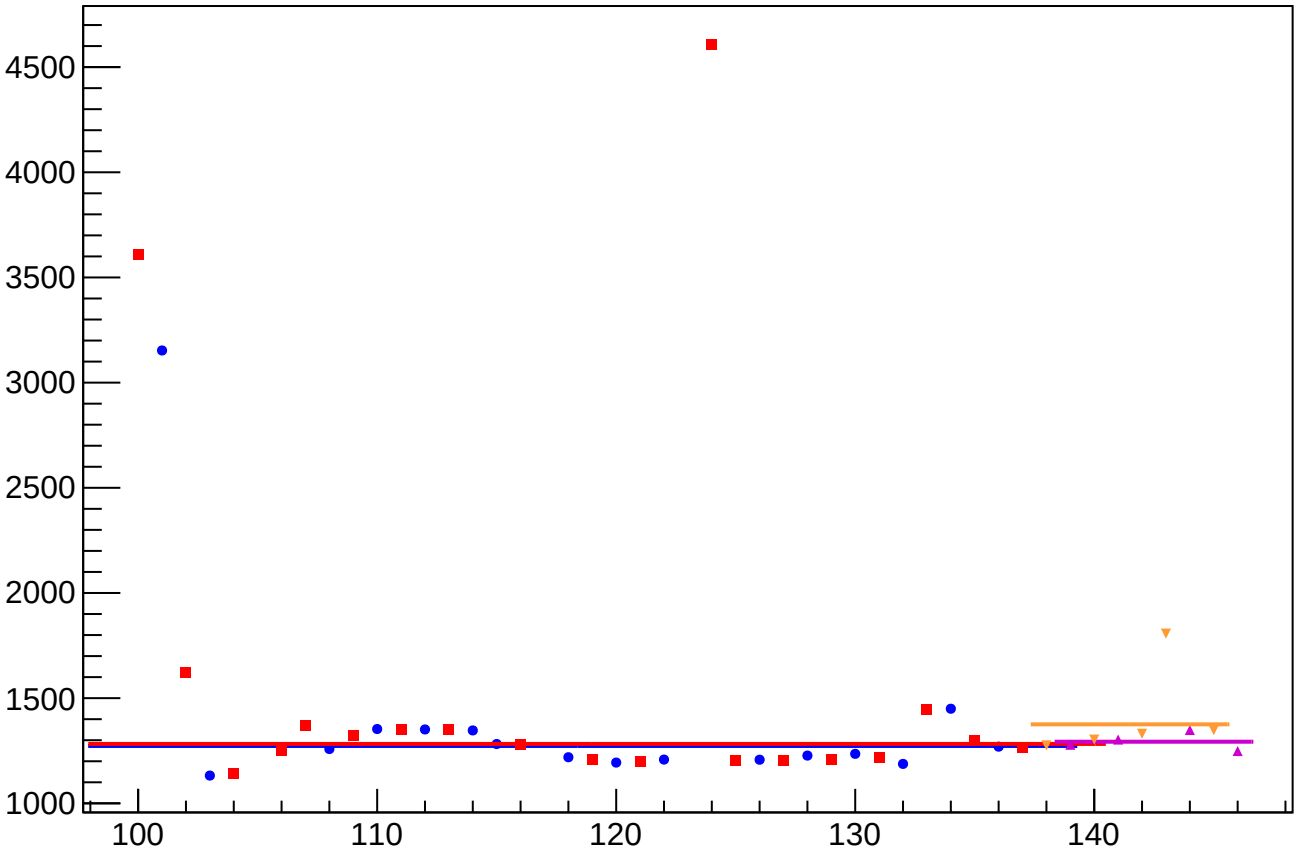
Left: -1000.447+/-497.802 χ^2/NDF: 12.7/8

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 86.828+/-395.004 χ^2/NDF:20.9/19

Out: -656.098+/-399.876 χ^2/NDF:29.5/23

All: -280.082+/-281.017 χ^2/NDF: 52.1/43



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1375.506+/-0.510 χ^2/NDF:109581.1/4

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

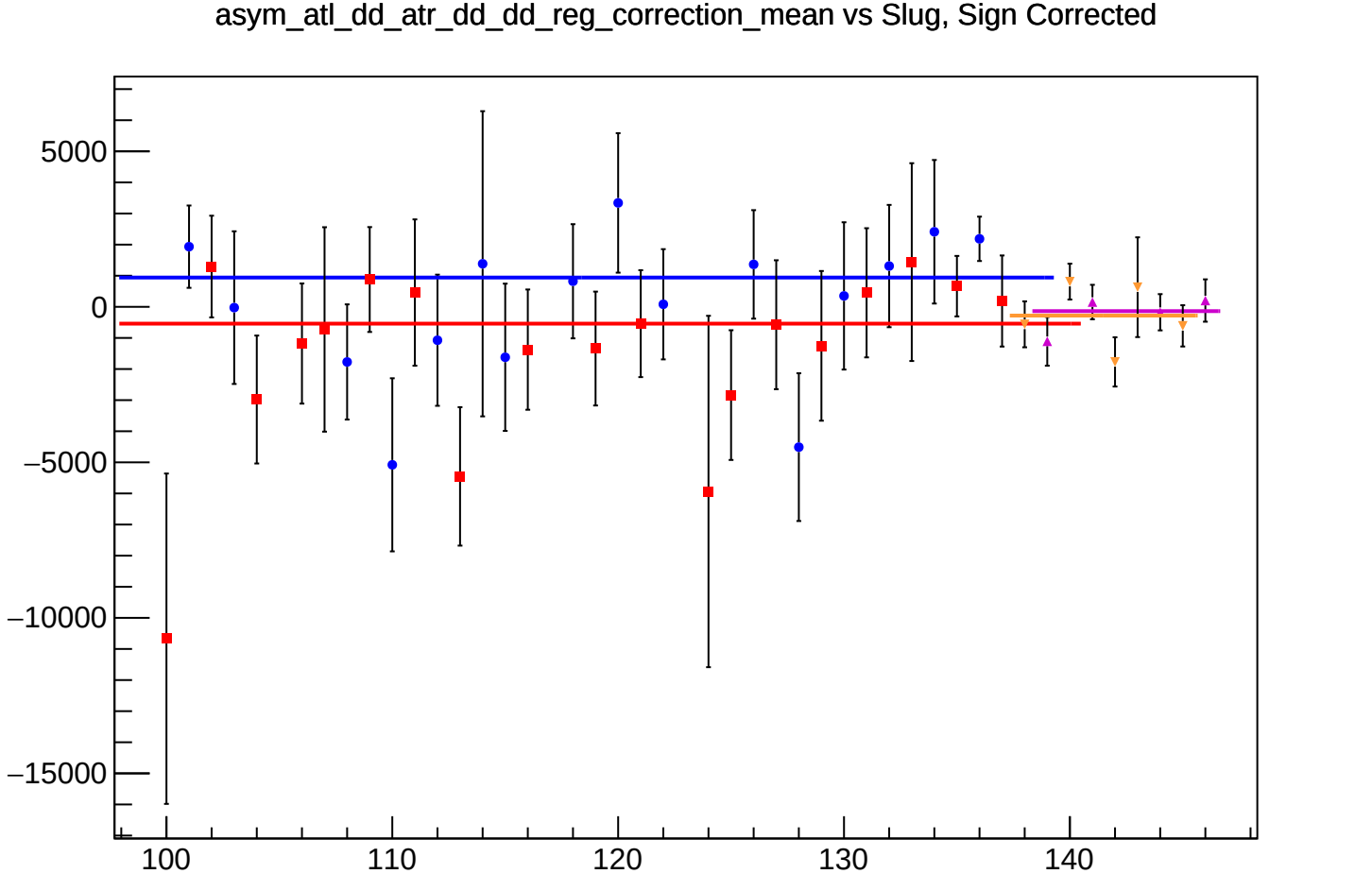
Left: 1332.251+/-0.352 χ^2/NDF: 128997.1/8

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1279.421+/-0.279 χ^2/NDF:526110.6/19

Out: 1311.003+/-0.283 χ^2/NDF:454764.8/23

All: 1295.019+/-0.199 χ^2/NDF: 987189.8/43



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -281.339+/-331.499 χ^2/NDF:7.8/4

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -138.037+/-316.509 χ^2/NDF:2.1/3

Left: -206.375+/-228.921 χ^2/NDF: 10.0/8

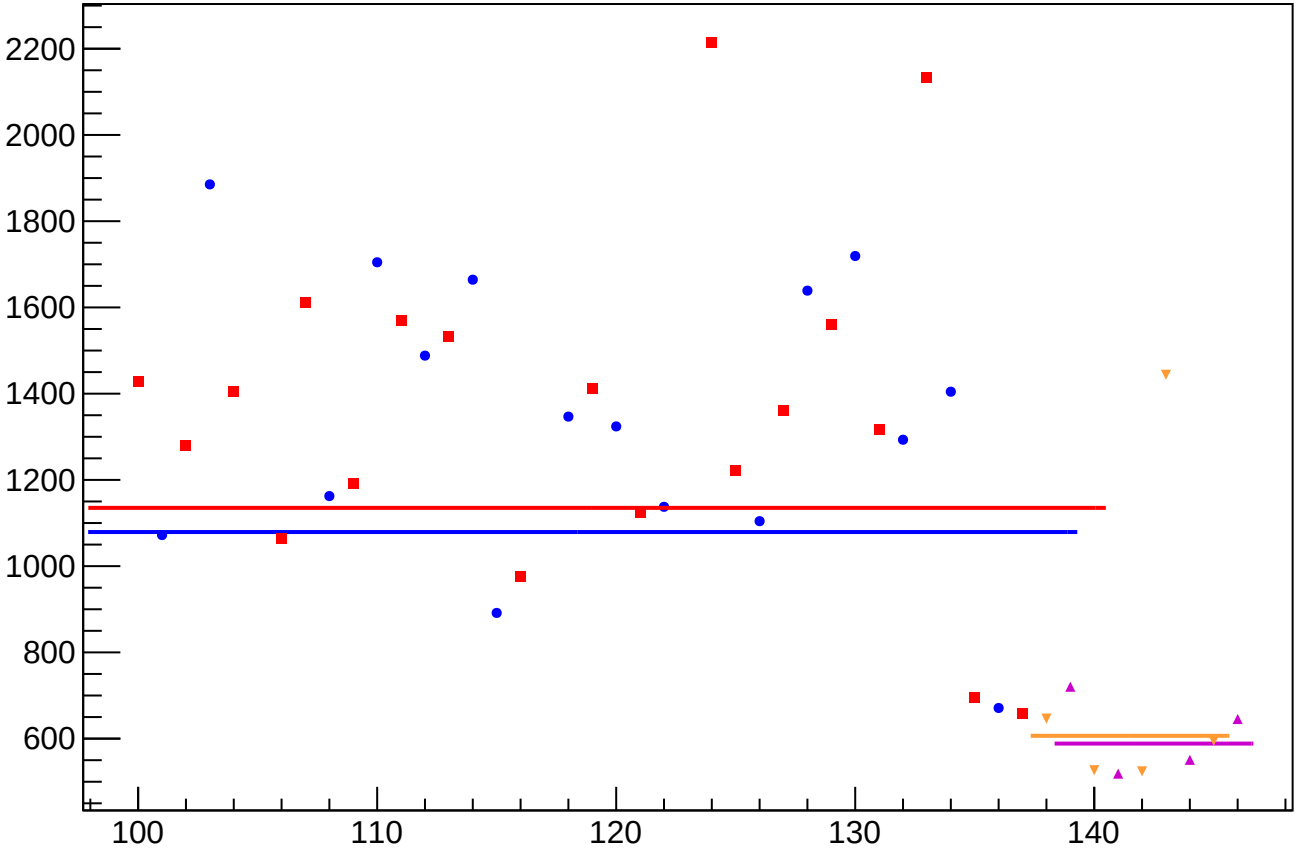
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 246.212+/-254.026 χ^2/NDF:26.1/19

Out: -375.249+/-264.745 χ^2/NDF:25.2/23

All: -51.684+/-183.296 χ^2/NDF: 54.2/43

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: 606.541+/-0.234 χ^2/NDF:611893.3/4

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 588.492+/-0.224 χ^2/NDF:110559.1/3

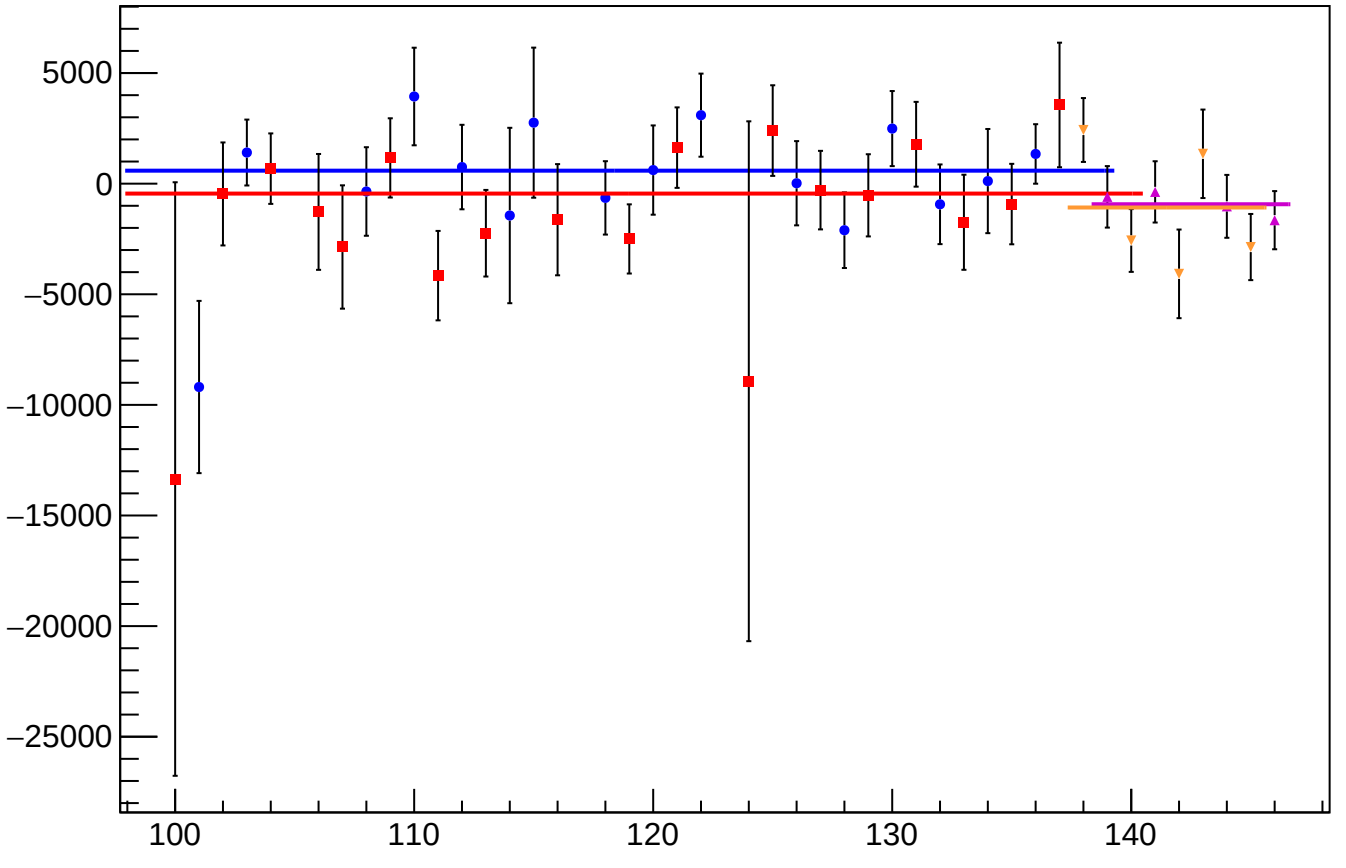
Left: 597.099+/-0.162 χ^2/NDF: 725553.6/8

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 763.083+/-0.180 χ^2/NDF:3302933.2/19

Out: 798.002+/-0.187 χ^2/NDF:3746980.1/23

All: 779.822+/-0.130 χ^2/NDF: 7068028.3/43



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.583+/-721.142 χ^2/NDF:12.1/4

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -930.296+/-688.021 χ^2/NDF:0.5/3

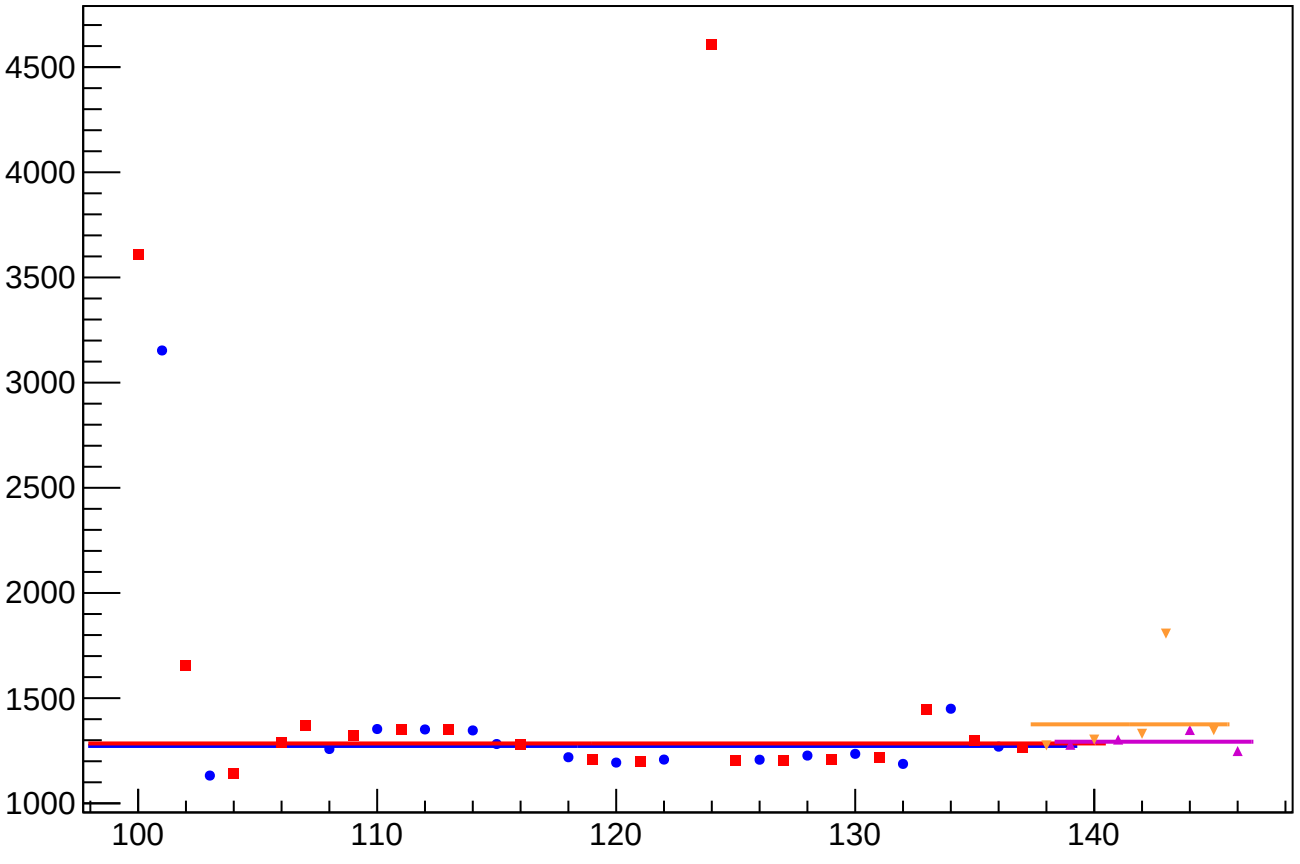
Left: -1000.479+/-497.802 χ^2/NDF: 12.7/8

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 87.055+/-395.004 χ^2/NDF:20.8/19

Out: -642.322+/-400.347 χ^2/NDF:29.5/23

All: -272.734+/-281.180 χ^2/NDF: 52.0/43



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1375.506+/-0.510 χ^2/NDF:109581.1/4

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

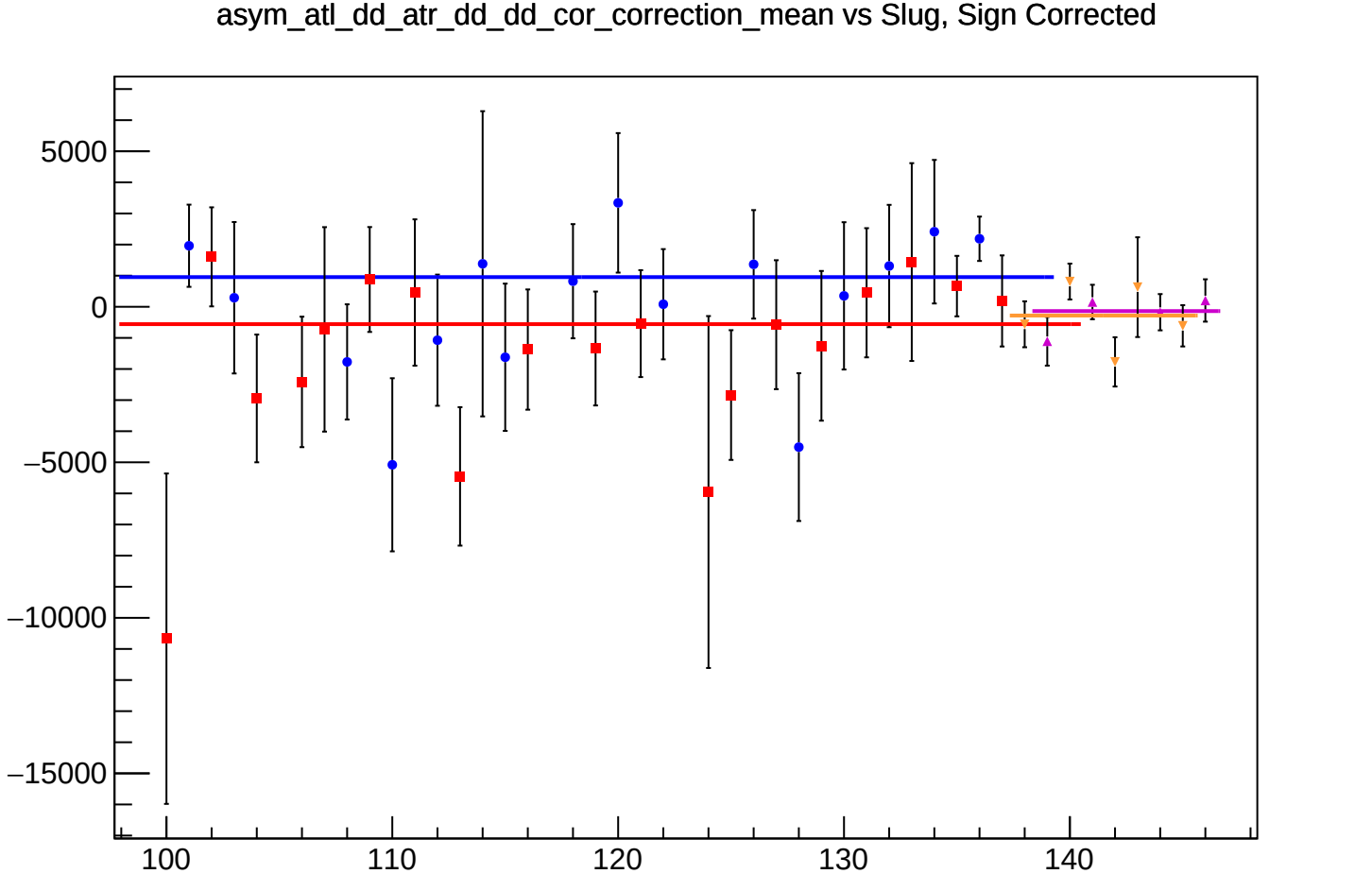
Left: 1332.251+/-0.352 χ^2/NDF: 128997.1/8

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1279.421+/-0.279 χ^2/NDF:526112.0/19

Out: 1312.654+/-0.283 χ^2/NDF:460276.3/23

All: 1295.814+/-0.199 χ^2/NDF: 993372.0/43



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -138.093+/-316.505 χ^2/NDF:2.1/3

Left: -206.381+/-228.923 χ^2/NDF: 10.0/8

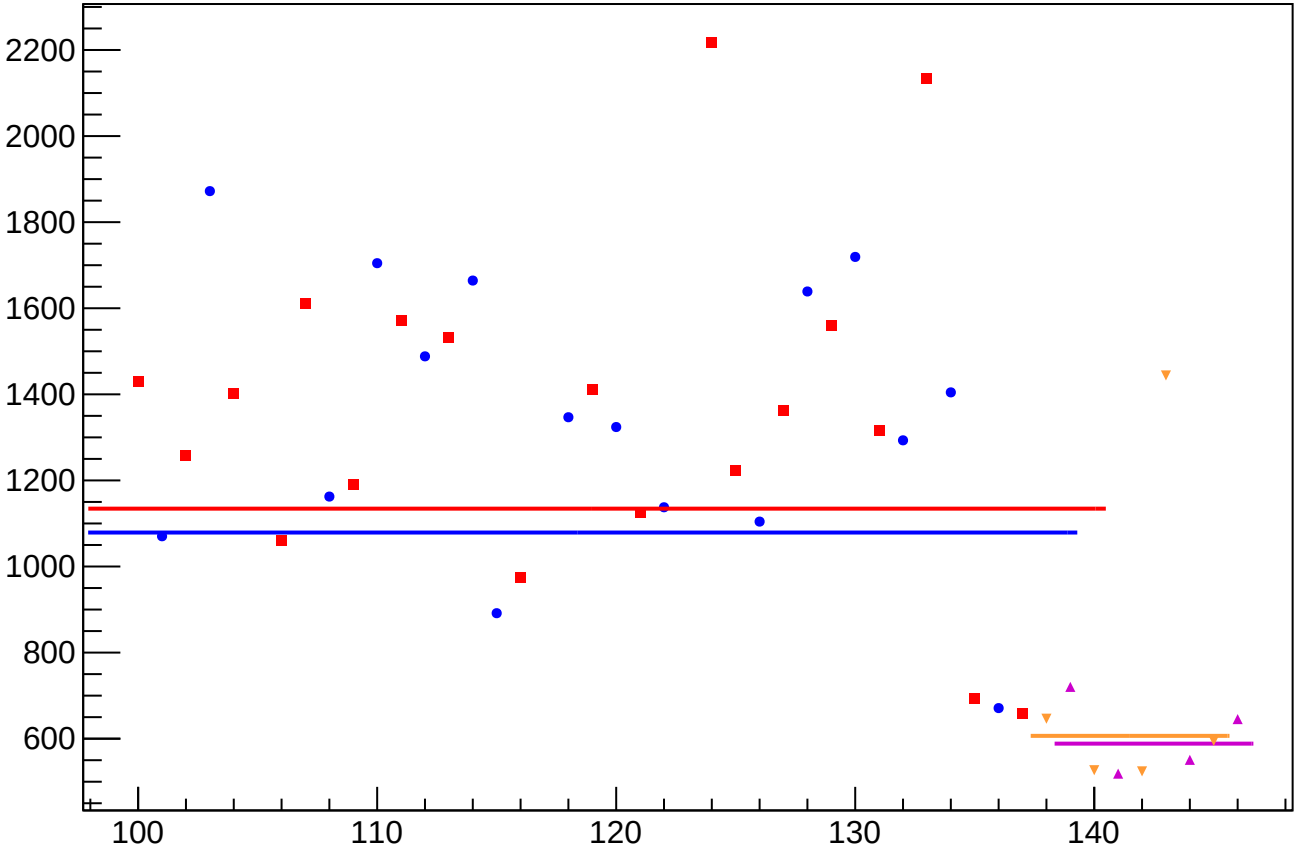
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 250.785+/-253.987 χ^2/NDF:26.2/19

Out: -381.248+/-264.935 χ^2/NDF:26.5/23

All: -51.903+/-183.344 χ^2/NDF: 55.6/43

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: 606.559+/-0.234 χ^2/NDF:611841.7/4

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

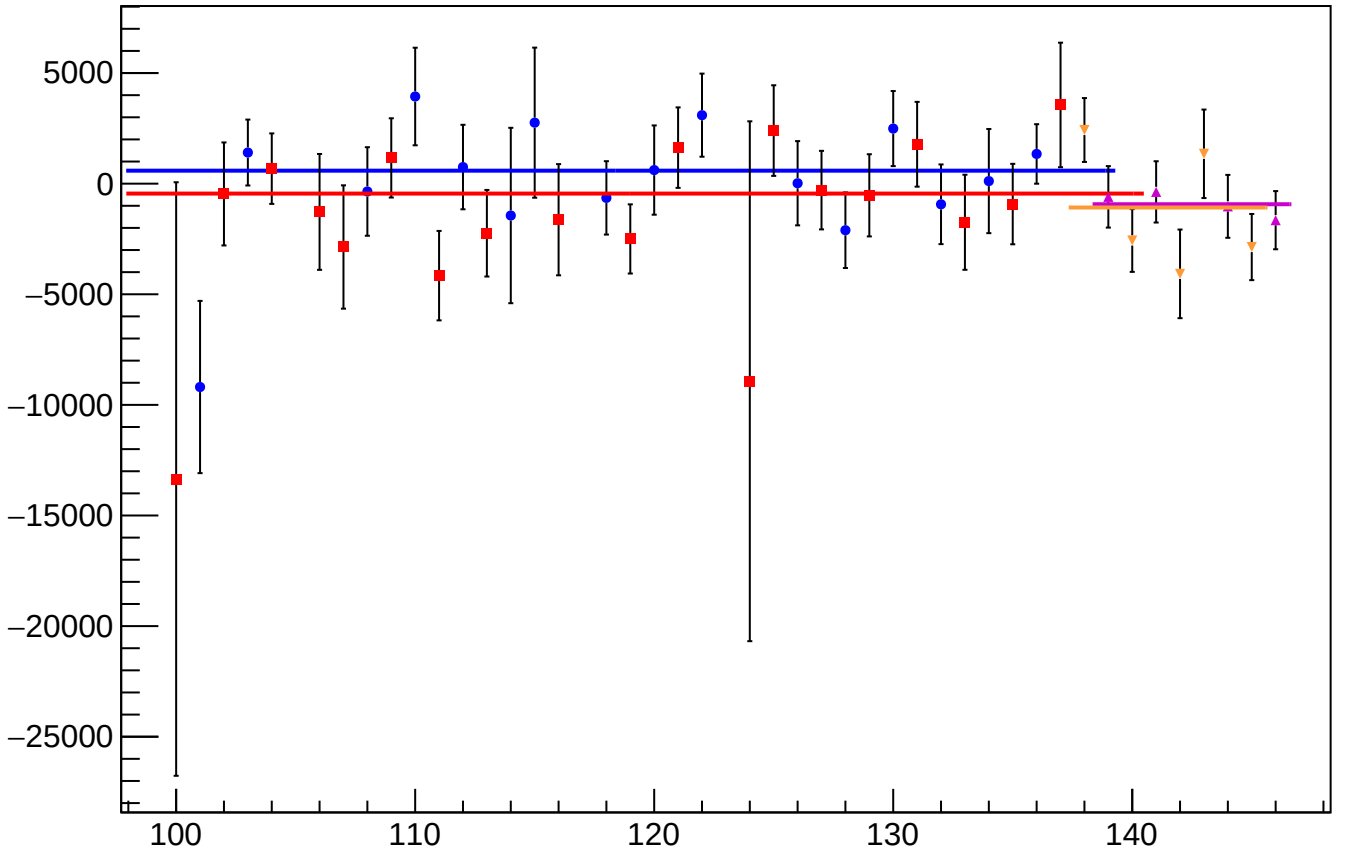
Left: 597.103+/-0.162 χ^2/NDF: 725530.1/8

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 763.102+/-0.180 χ^2/NDF:3299111.8/19

Out: 797.282+/-0.187 χ^2/NDF:3732945.1/23

All: 779.471+/-0.130 χ^2/NDF: 7049403.2/43



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.583+/-721.142 χ^2/NDF:12.1/4

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -930.296+/-688.021 χ^2/NDF:0.5/3

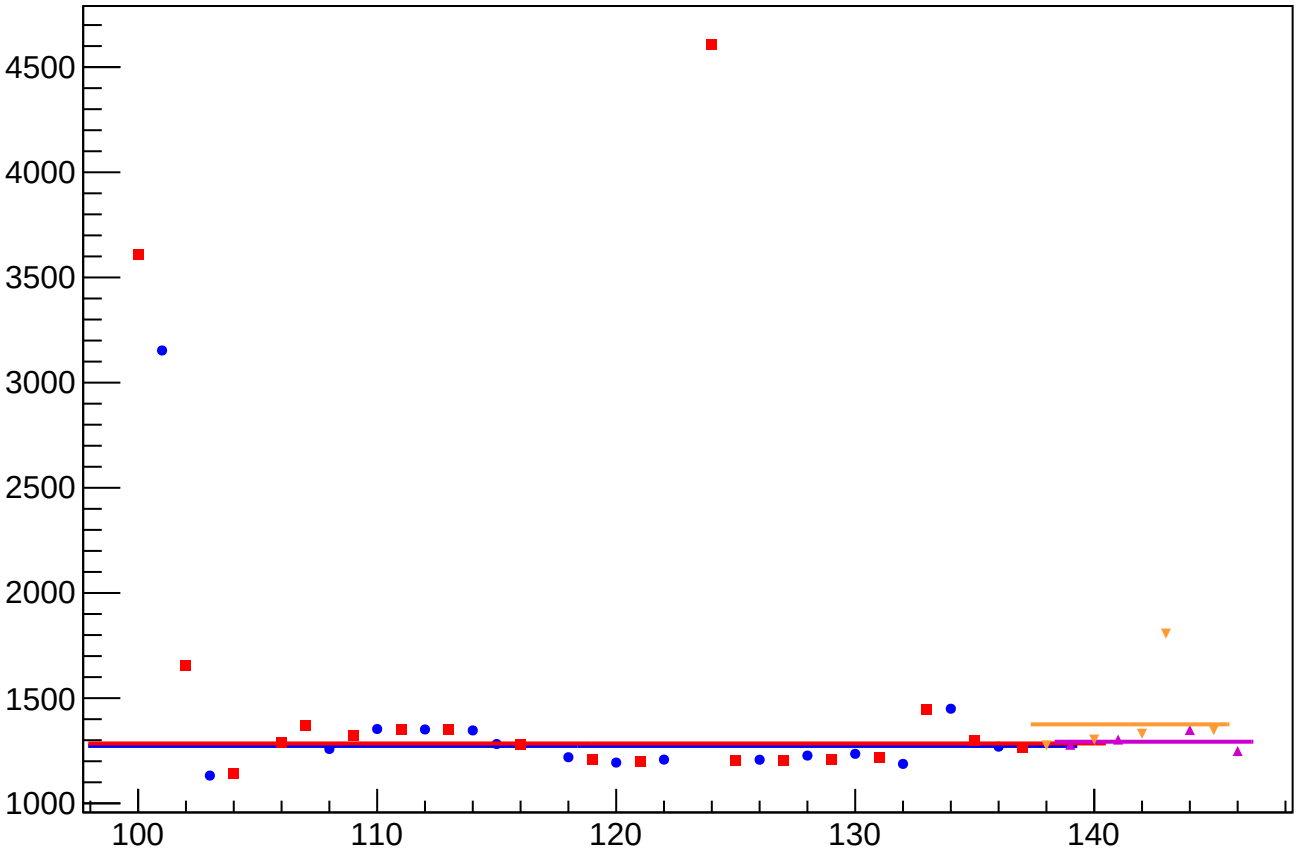
Left: -1000.479+/-497.802 χ^2/NDF: 12.7/8

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 87.055+/-395.004 χ^2/NDF:20.8/19

Out: -642.322+/-400.347 χ^2/NDF:29.5/23

All: -272.734+/-281.180 χ^2/NDF: 52.0/43



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1375.506+/-0.510 χ^2/NDF:109581.1/4

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

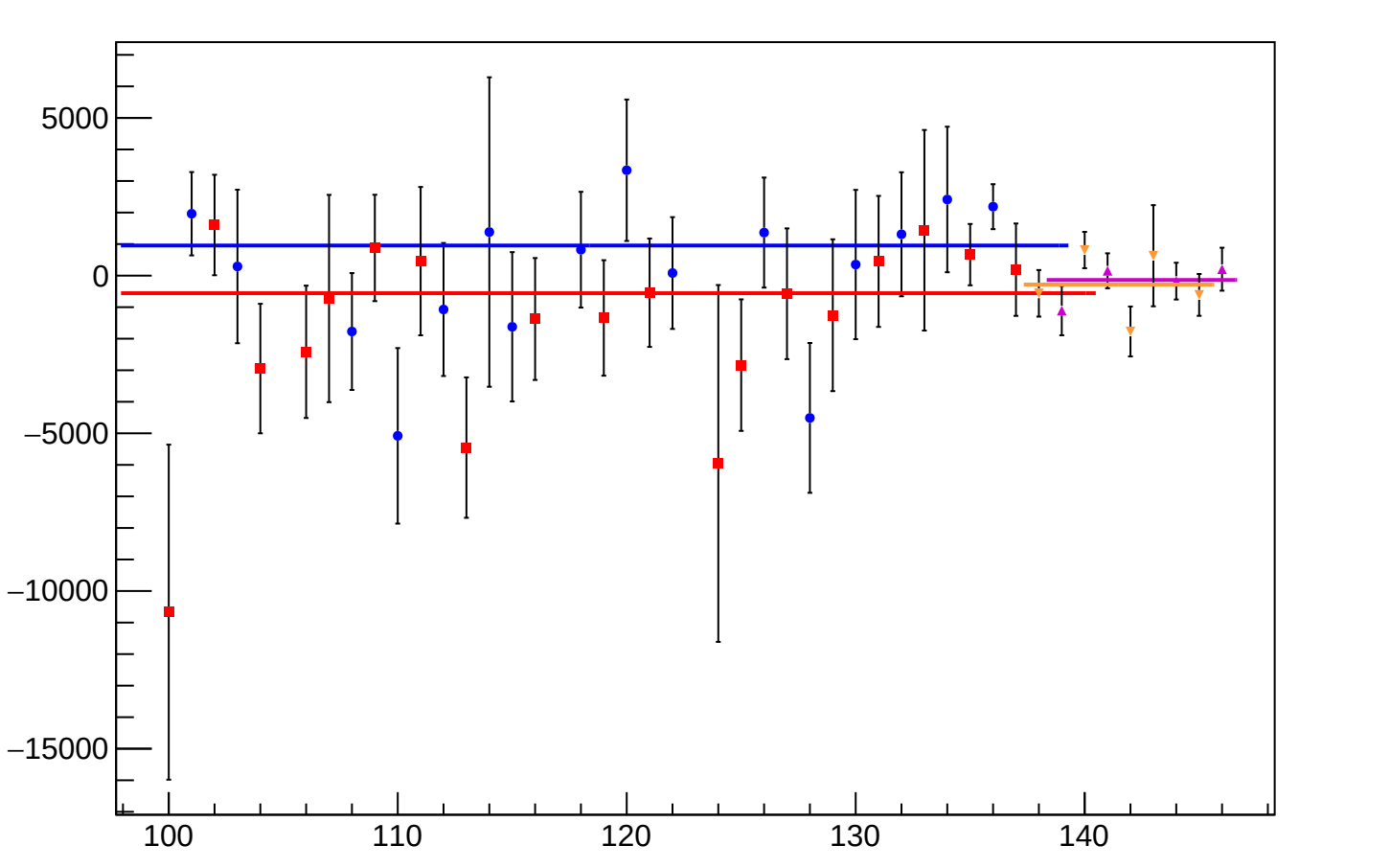
Left: 1332.251+/-0.352 χ^2/NDF: 128997.1/8

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1279.421+/-0.279 χ^2/NDF:526112.0/19

Out: 1312.654+/-0.283 χ^2/NDF:460276.3/23

All: 1295.814+/-0.199 χ^2/NDF: 993372.0/43



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -138.093+/-316.505 χ^2/NDF:2.1/3

Left: -206.381+/-228.923 χ^2/NDF: 10.0/8

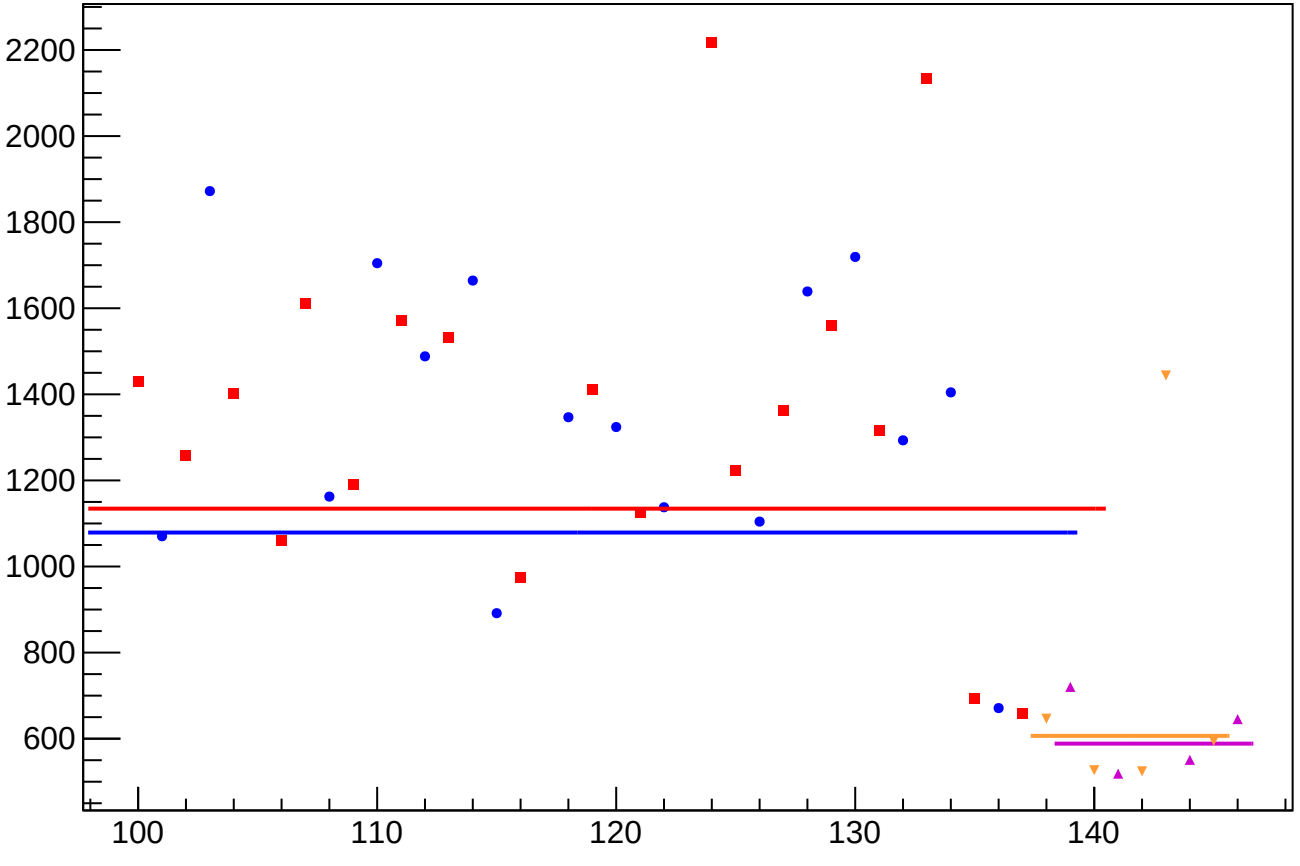
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 250.785+/-253.987 χ^2/NDF:26.2/19

Out: -381.248+/-264.935 χ^2/NDF:26.5/23

All: -51.903+/-183.344 χ^2/NDF: 55.6/43

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: 606.559+/-0.234 χ^2/NDF:611841.7/4

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

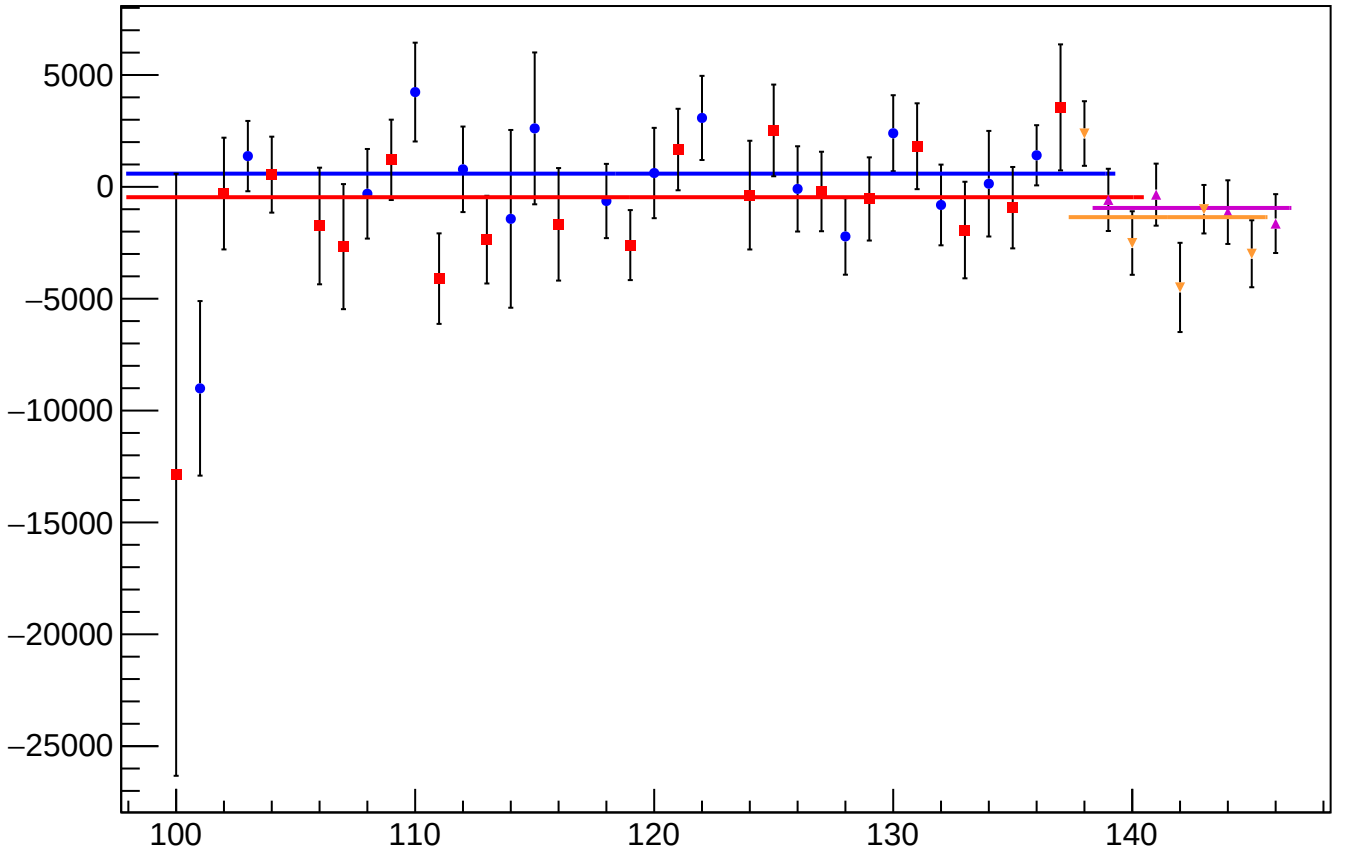
Left: 597.103+/-0.162 χ^2/NDF: 725530.1/8

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 763.102+/-0.180 χ^2/NDF:3299111.8/19

Out: 797.282+/-0.187 χ^2/NDF:3732945.1/23

All: 779.471+/-0.130 χ^2/NDF: 7049403.2/43



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1353.965+/-629.441 χ^2/NDF:11.1/4

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -942.900+/-688.596 χ^2/NDF:0.6/3

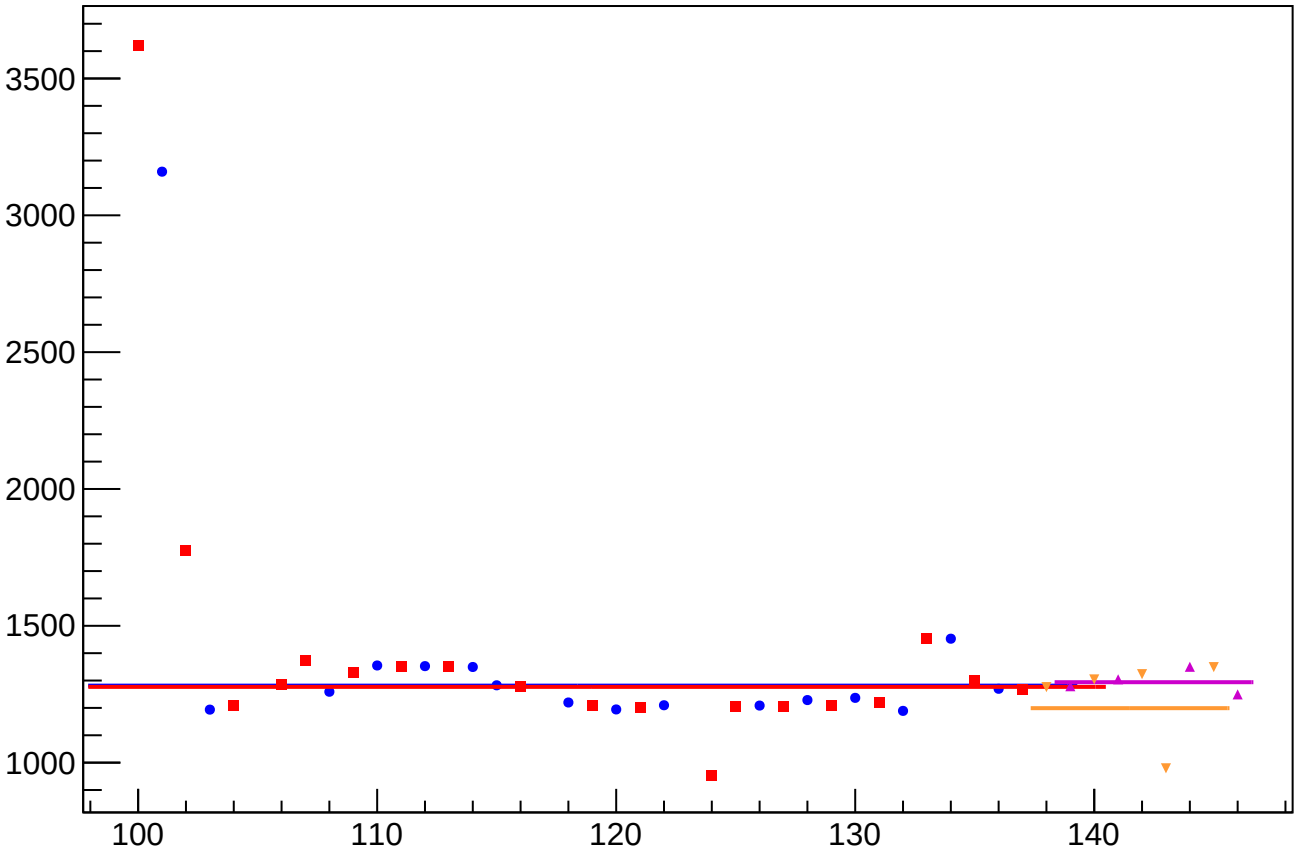
Left: -1166.844+/-464.590 χ^2/NDF: 11.9/8

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 81.248+/-396.783 χ^2/NDF:21.0/19

Out: -787.588+/-380.065 χ^2/NDF:29.1/23

All: -371.858+/-274.466 χ^2/NDF: 52.6/43



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1199.041+/-0.445 χ^2/NDF:126662.9/4

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

Left: 1242.243+/-0.329 χ^2/NDF: 153129.8/8

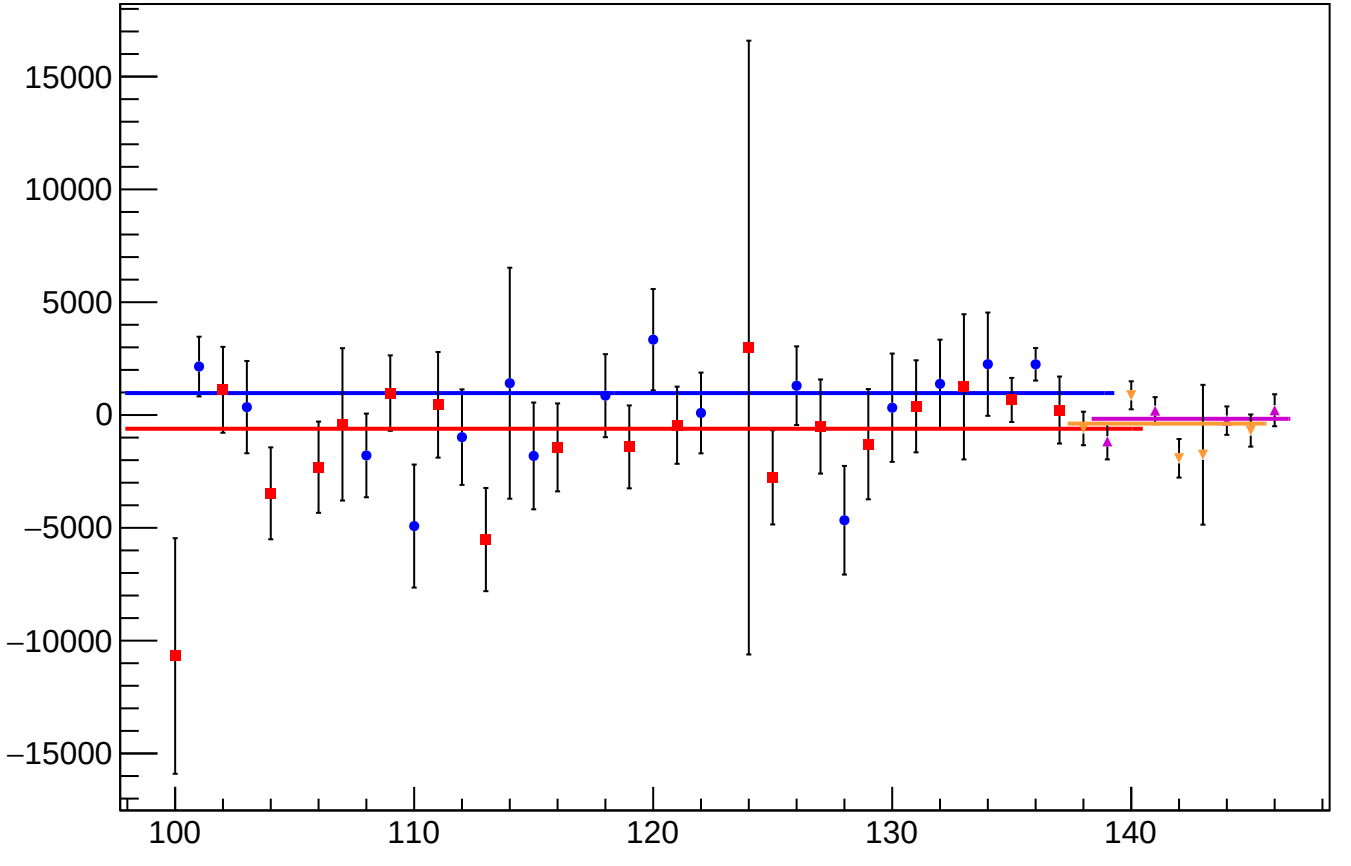
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1285.545+/-0.281 χ^2/NDF:513293.7/19

Out: 1248.488+/-0.269 χ^2/NDF:366600.9/23

All: 1266.219+/-0.194 χ^2/NDF: 888992.3/43

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: -380.599+/-357.013 χ^2/NDF:7.8/4

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -167.395+/-335.989 χ^2/NDF:2.2/3

Left: -267.535+/-244.675 χ^2/NDF: 10.2/8

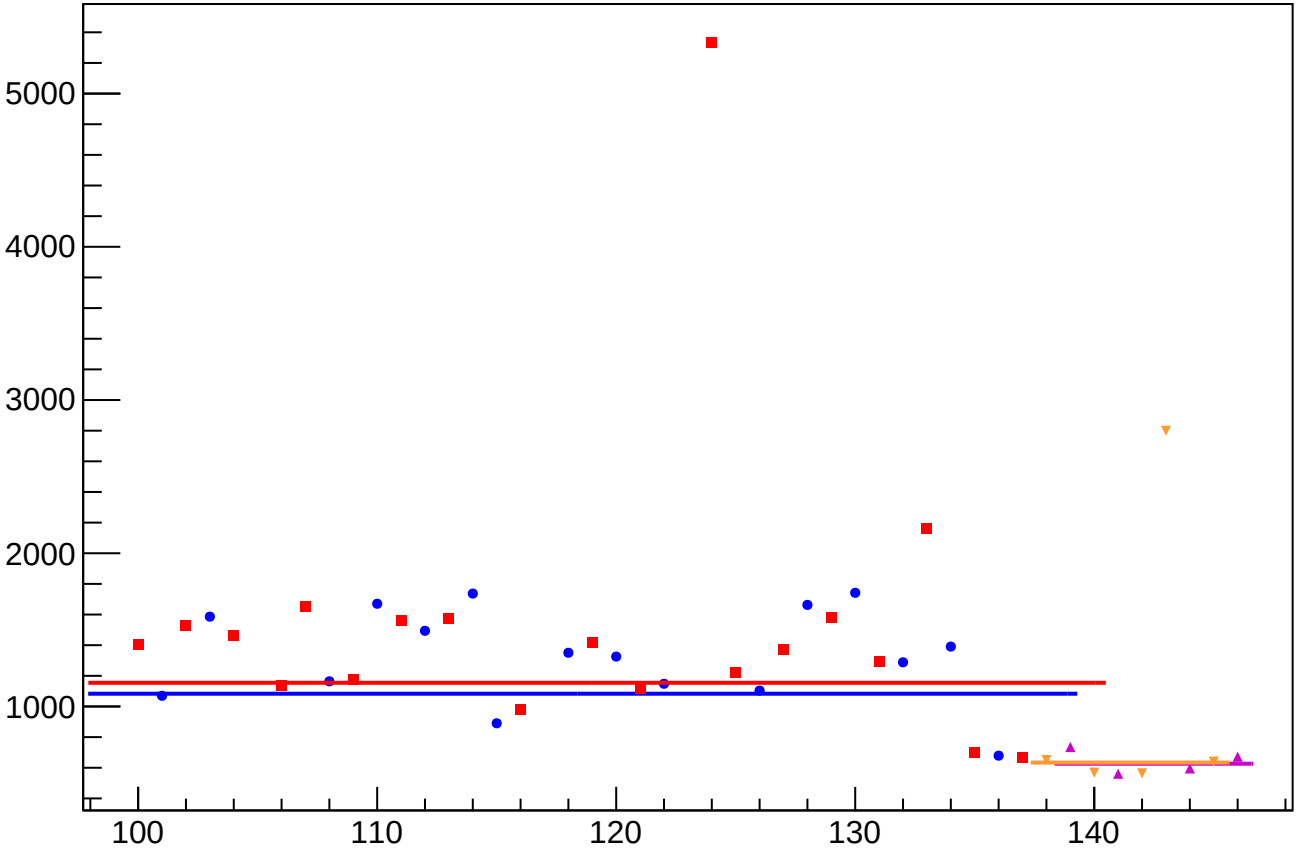
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 270.661+/-263.624 χ^2/NDF:27.1/19

Out: -469.153+/-279.137 χ^2/NDF:25.1/23

All: -78.118+/-191.660 χ^2/NDF: 55.9/43

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: 634.064+/-0.252 χ^2/NDF:1013459.5/4

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 626.529+/-0.238 χ^2/NDF:74001.9/3

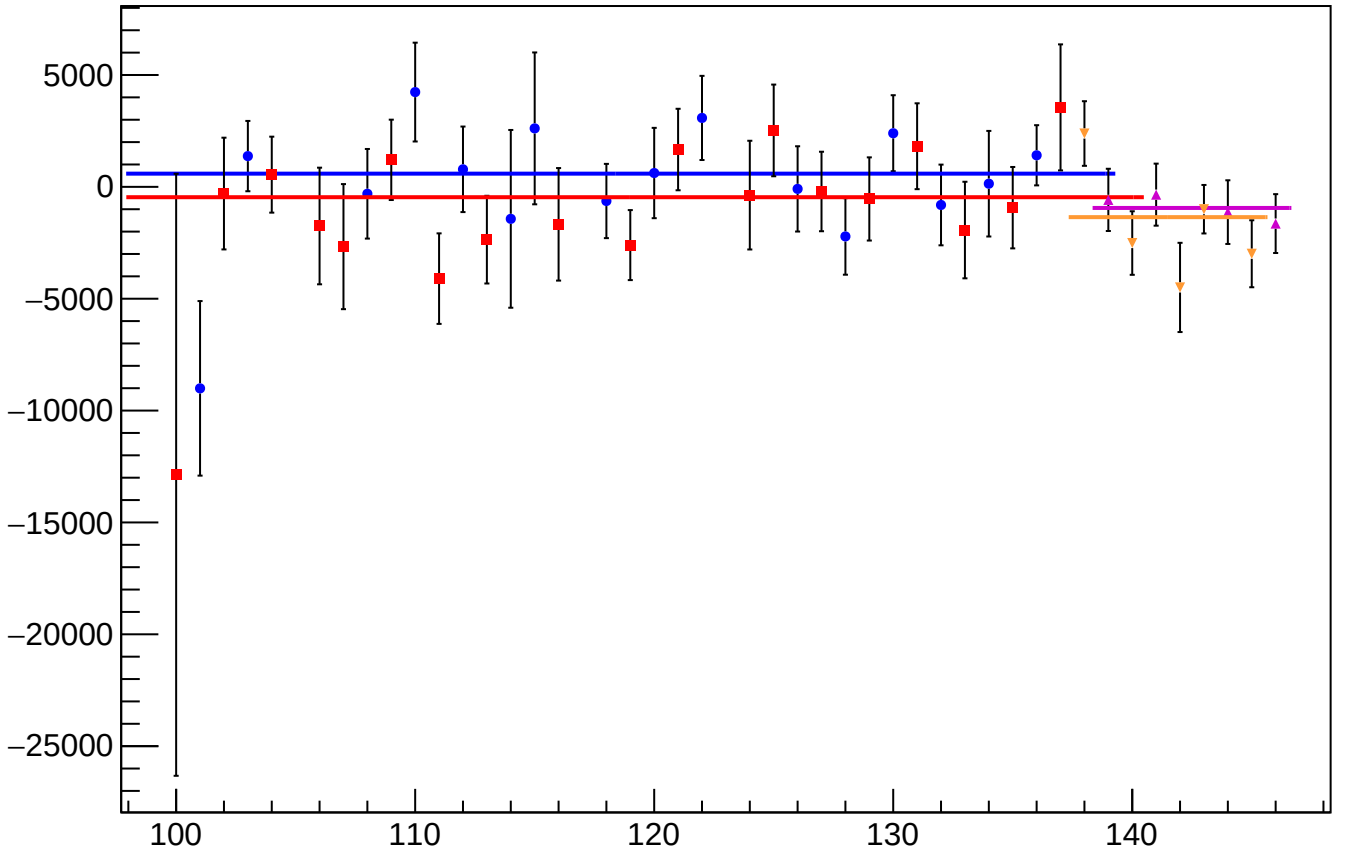
Left: 630.068+/-0.173 χ^2/NDF: 1087933.9/8

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 802.110+/-0.186 χ^2/NDF:2855141.4/19

Out: 836.436+/-0.197 χ^2/NDF:4155115.9/23

All: 818.293+/-0.136 χ^2/NDF: 7026242.8/43



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1353.966+/-629.441 χ^2/NDF:11.1/4

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -942.907+/-688.596 χ^2/NDF:0.6/3

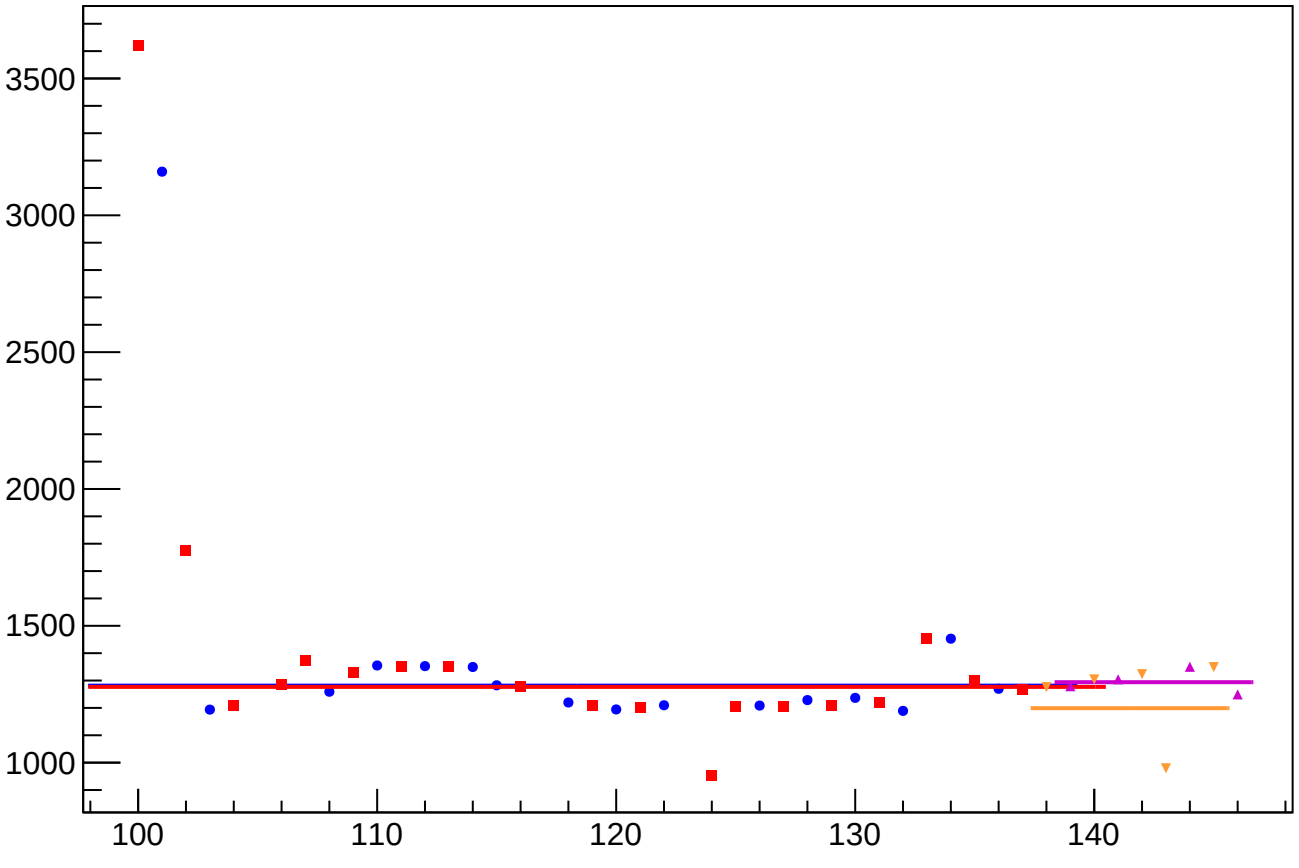
Left: -1166.848+/-464.590 χ^2/NDF: 11.9/8

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 81.247+/-396.783 χ^2/NDF:21.0/19

Out: -787.588+/-380.065 χ^2/NDF:29.1/23

All: -371.859+/-274.466 χ^2/NDF: 52.6/43



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1199.041+/-0.445 χ^2/NDF:126662.3/4

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

Left: 1242.243+/-0.329 χ^2/NDF: 153129.1/8

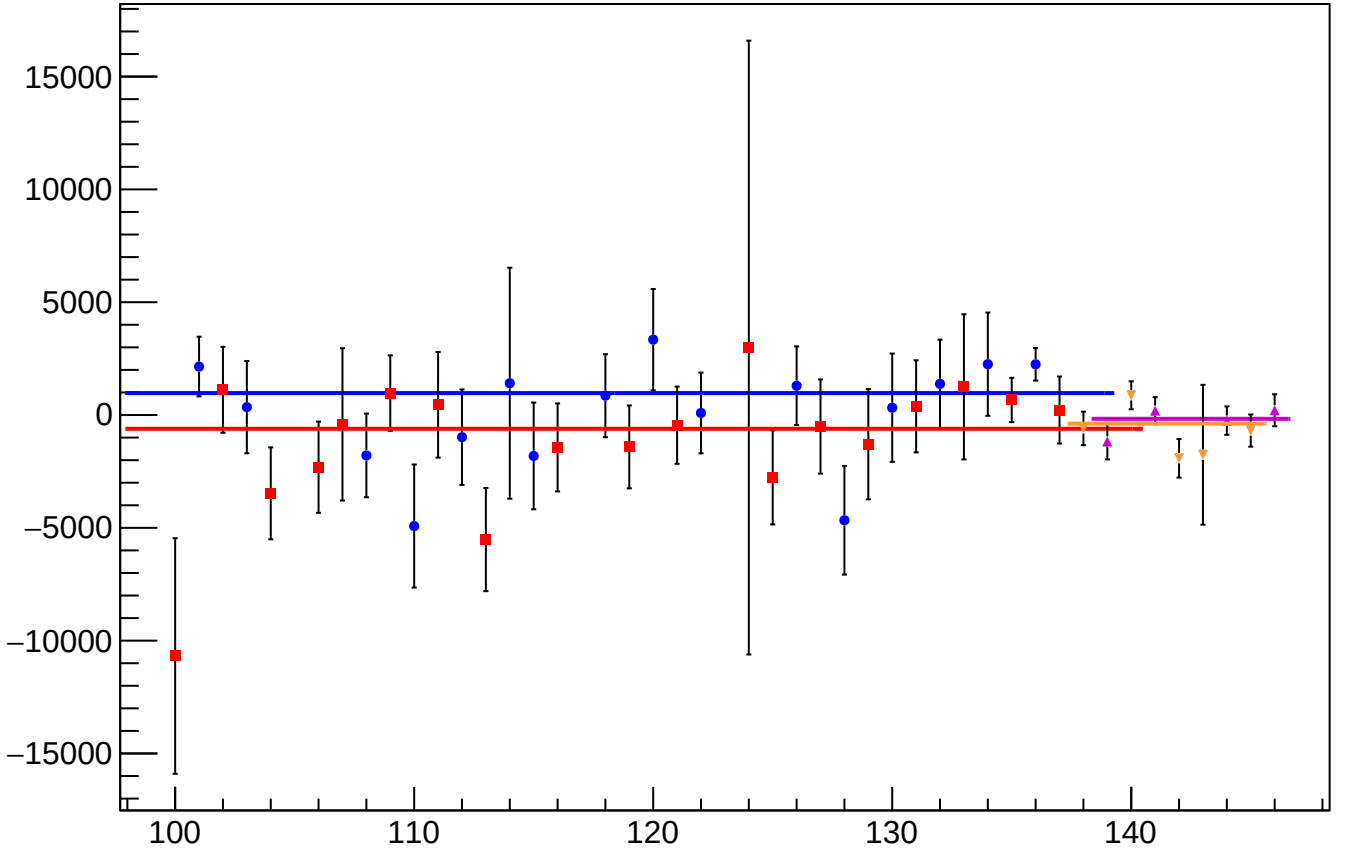
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1285.545+/-0.281 χ^2/NDF:513293.9/19

Out: 1248.488+/-0.269 χ^2/NDF:366599.9/23

All: 1266.219+/-0.194 χ^2/NDF: 888991.4/43

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: -380.603+/-357.015 χ^2/NDF:7.8/4

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -167.394+/-335.989 χ^2/NDF:2.2/3

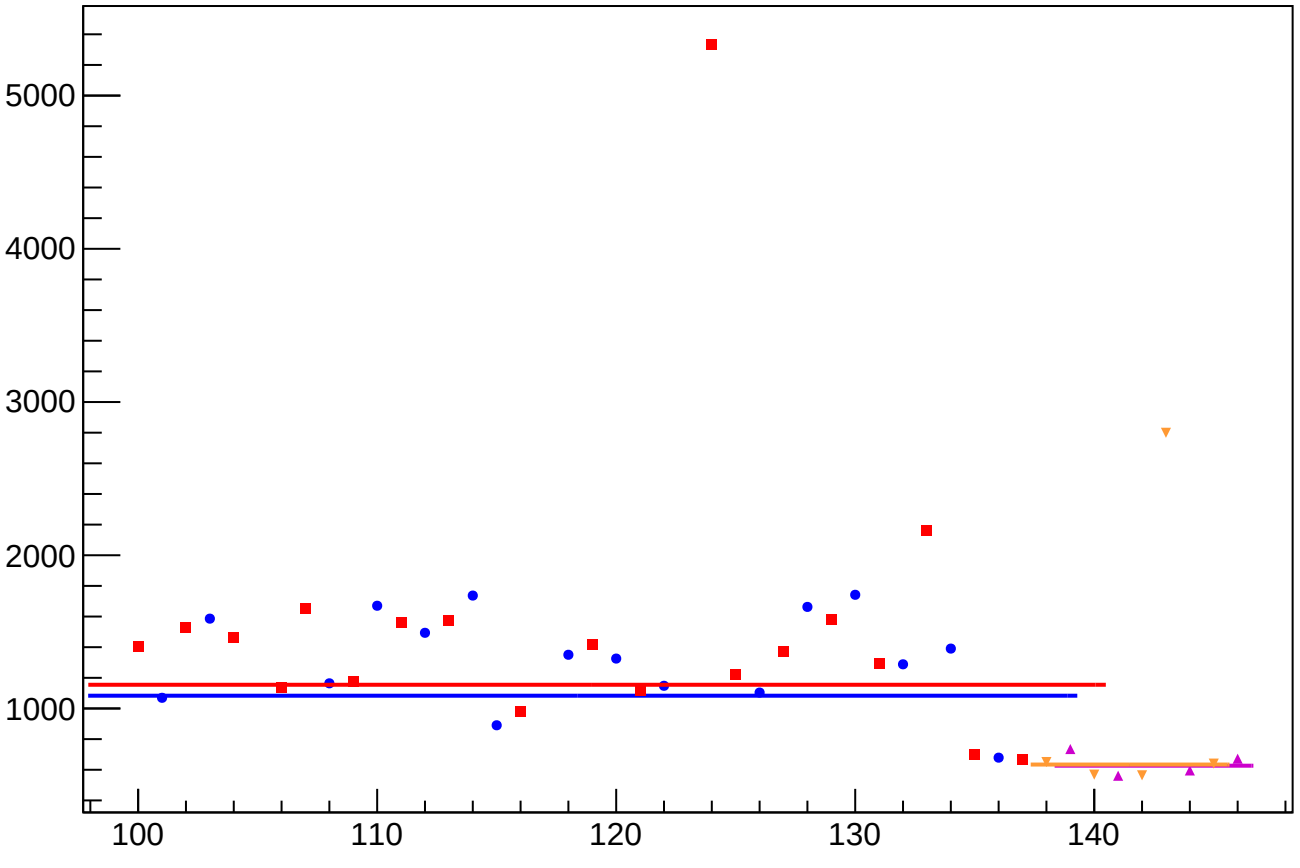
Left: -267.536+/-244.676 χ^2/NDF: 10.2/8

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 270.658+/-263.625 χ^2/NDF:27.1/19

Out: -469.160+/-279.139 χ^2/NDF:25.1/23

All: -78.122+/-191.661 χ^2/NDF: 55.9/43



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 634.068+/-0.252 χ^2/NDF:1013458.0/4

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 626.529+/-0.238 χ^2/NDF:74004.8/3

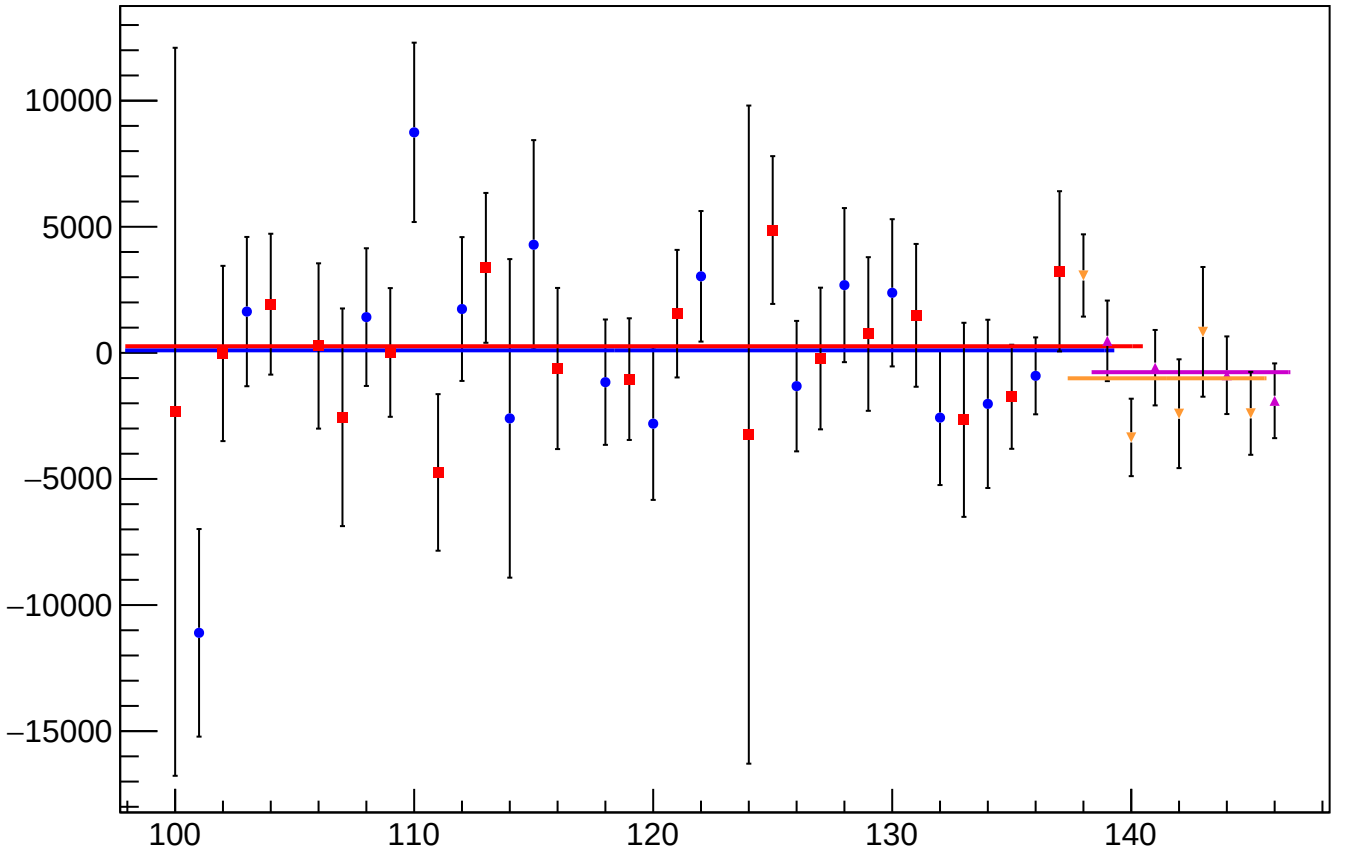
Left: 630.070+/-0.173 χ^2/NDF: 1087935.6/8

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 802.112+/-0.186 χ^2/NDF:2855120.4/19

Out: 836.441+/-0.197 χ^2/NDF:4155069.3/23

All: 818.296+/-0.136 χ^2/NDF: 7026178.6/43



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1008.541+/-806.880 χ^2/NDF:10.2/4

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -765.959+/-763.330 χ^2/NDF:1.2/3

Left: -880.527+/-554.513 χ^2/NDF: 11.5/8

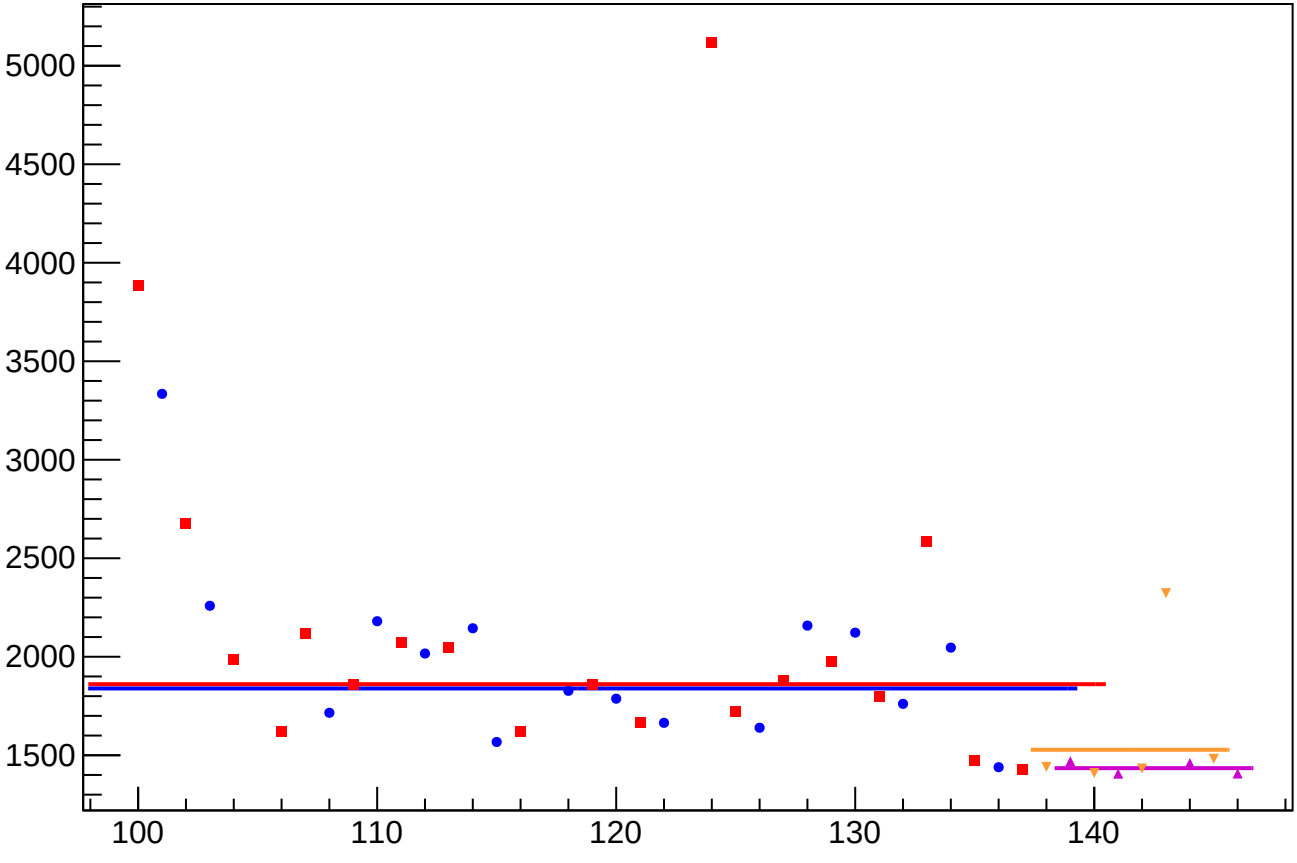
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -294.702+/-515.506 χ^2/NDF:23.2/19

Out: -282.942+/-528.635 χ^2/NDF:22.0/23

All: -288.970+/-369.072 χ^2/NDF: 45.2/43

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1527.769+/-0.571 χ^2/NDF:213831.0/4

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1434.548+/-0.540 χ^2/NDF:2862.3/3

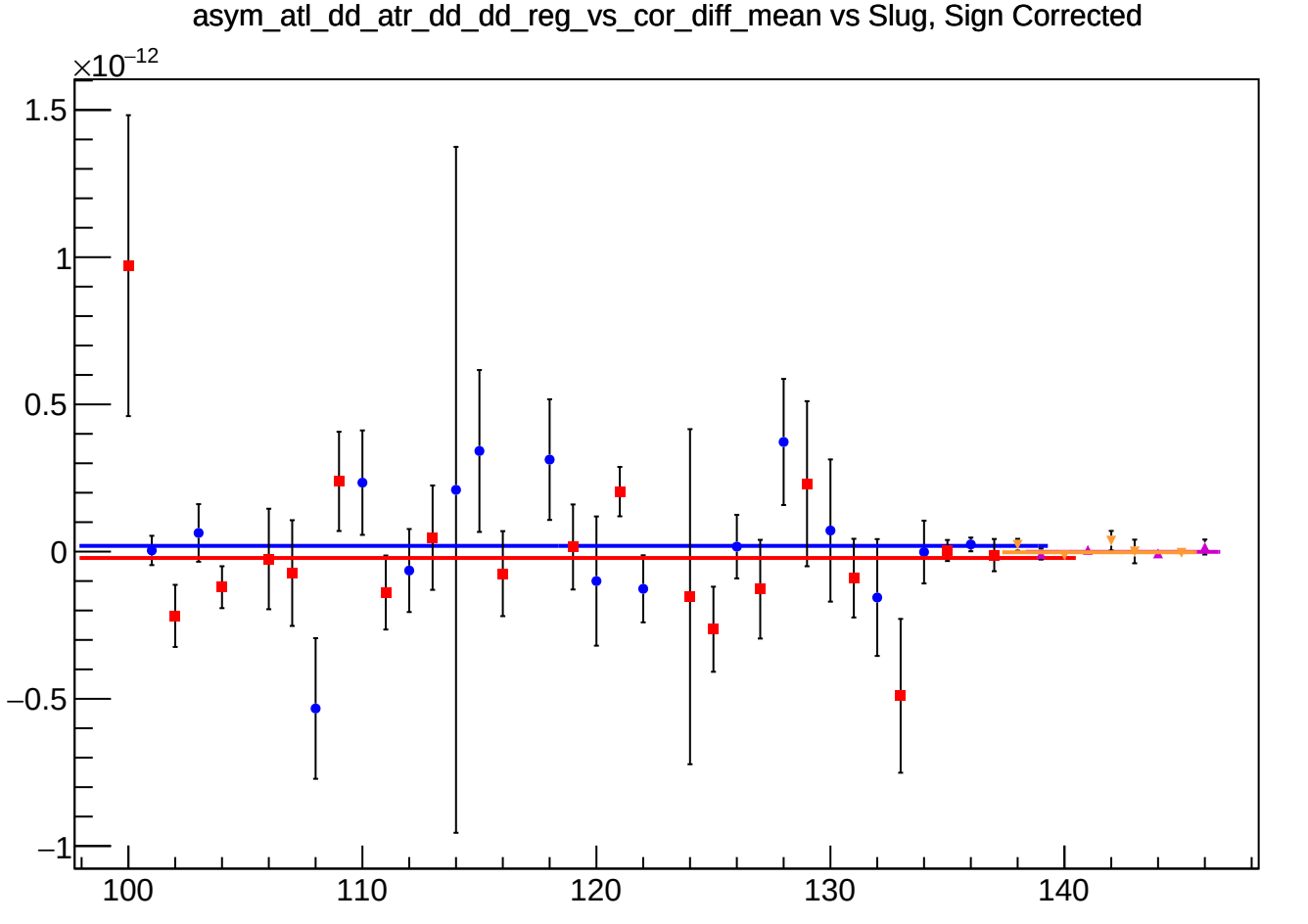
Left: 1478.575+/-0.392 χ^2/NDF: 230780.9/8

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1654.599+/-0.365 χ^2/NDF:865162.0/19

Out: 1717.827+/-0.374 χ^2/NDF:930357.4/23

All: 1685.418+/-0.261 χ^2/NDF: 1810185.0/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/3

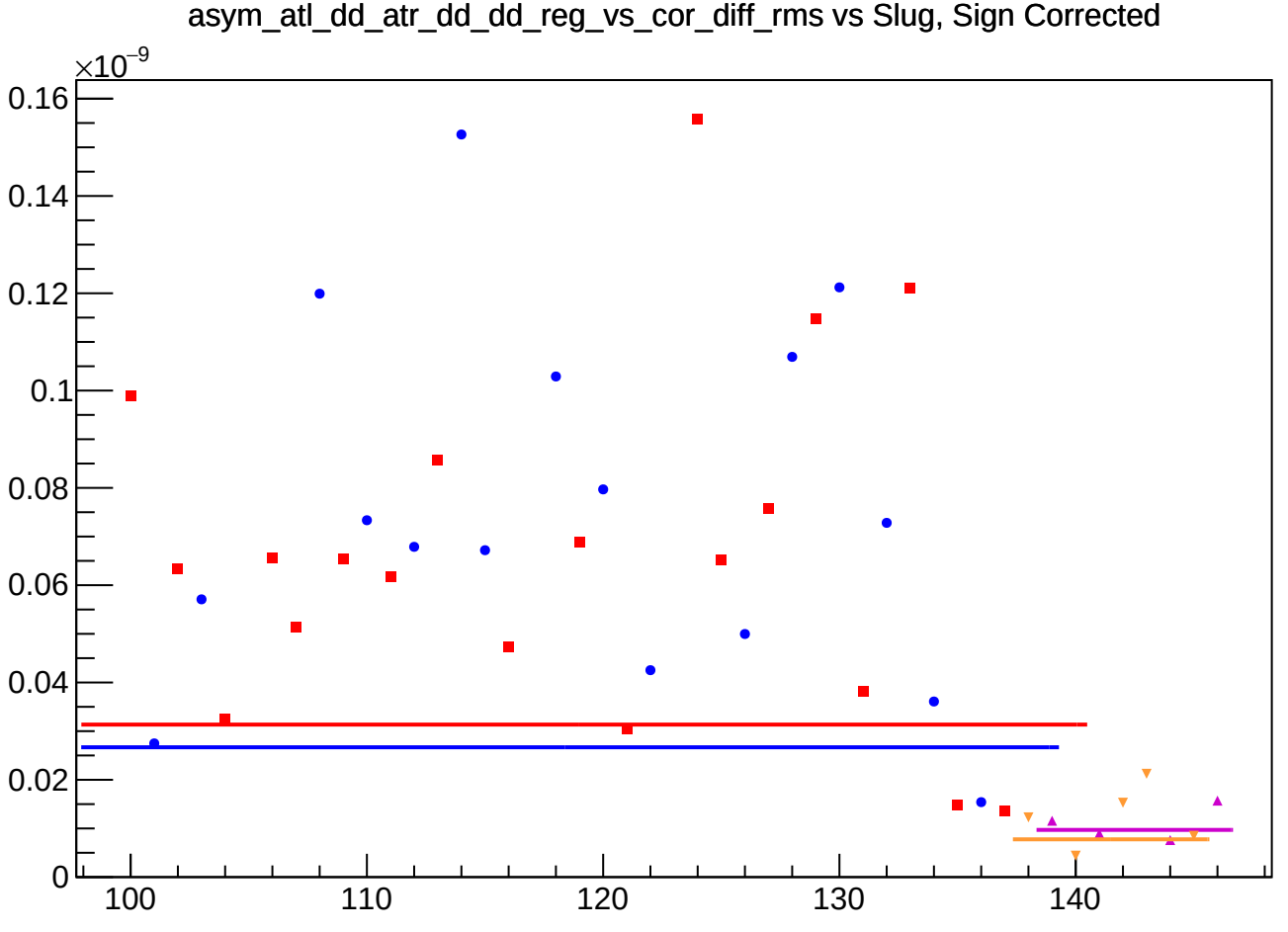
Left: -0.000+/-0.000 χ^2/NDF: 4.9/8

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:18.3/19

Out: -0.000+/-0.000 χ^2/NDF:32.8/23

All: -0.000+/-0.000 χ^2/NDF: 51.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:629833.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:185270.3/3

Left: 0.000+/-0.000 χ^2/NDF: 872390.2/8

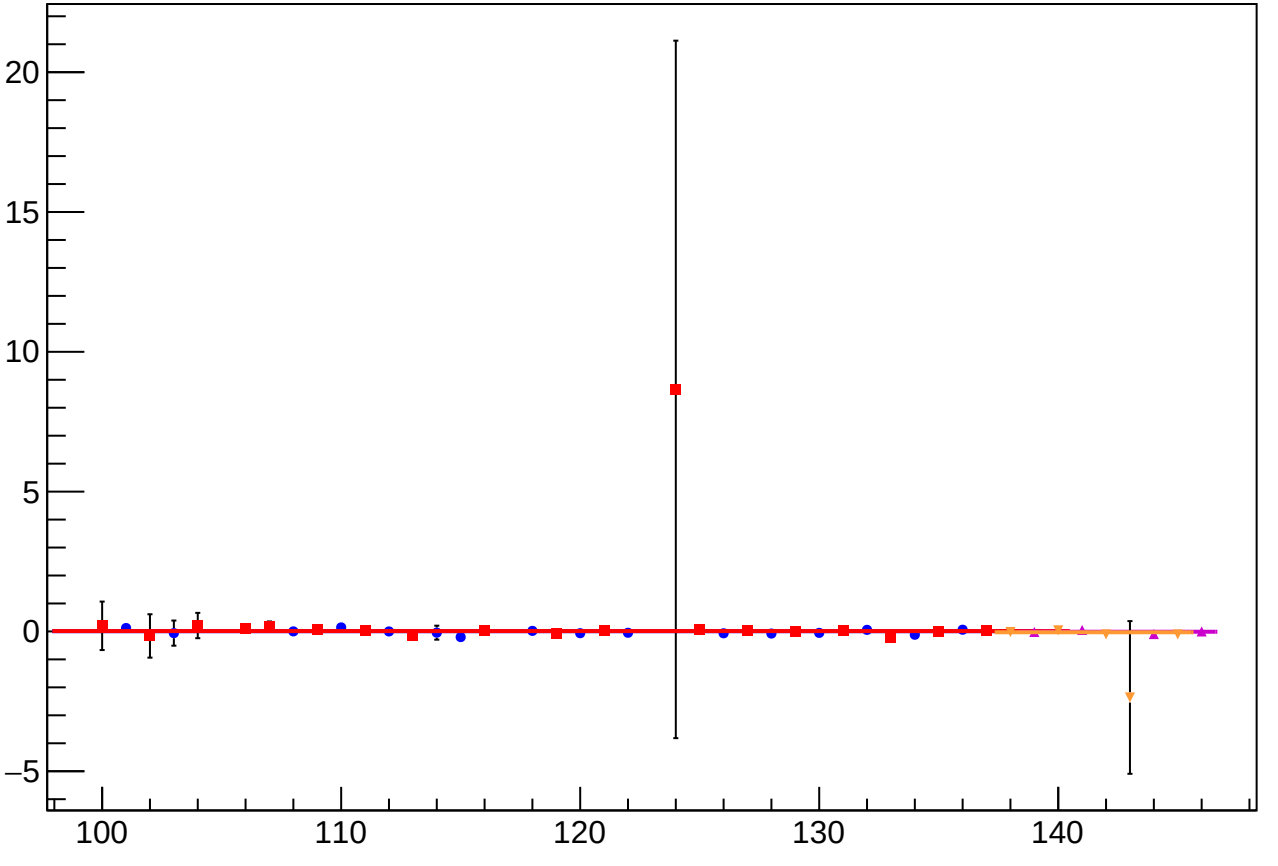
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4119157.1/19

Out: 0.000+/-0.000 χ^2/NDF:4907065.9/23

All: 0.000+/-0.000 χ^2/NDF: 9123896.6/43

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: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.019+/-0.015 χ^2/NDF: 8.6/8

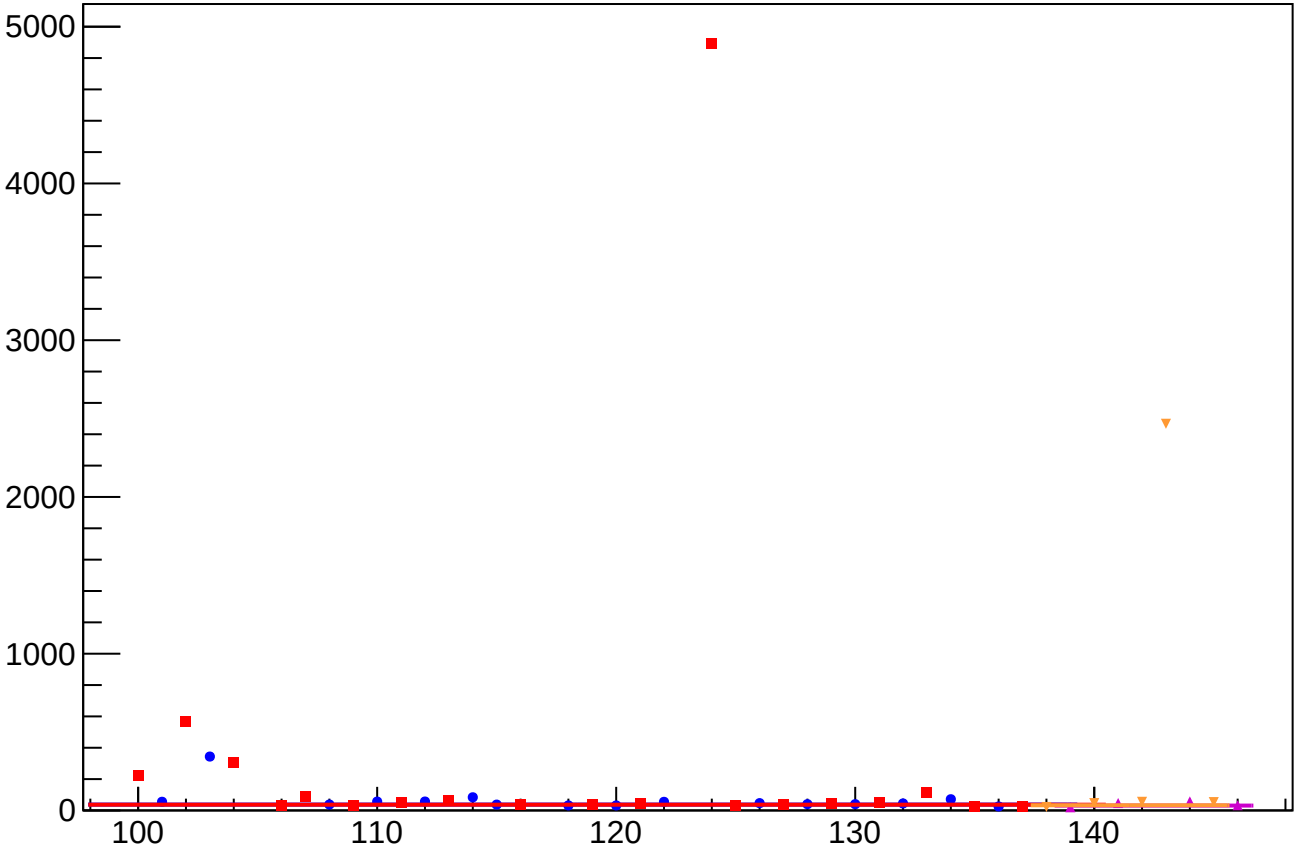
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: -0.002+/-0.013 χ^2/NDF:19.7/23

All: -0.001+/-0.009 χ^2/NDF: 42.9/43

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: 33.091+/-0.016 χ^2/NDF:2371298.2/4

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

Left: 31.947+/-0.010 χ^2/NDF: 3250676.5/8

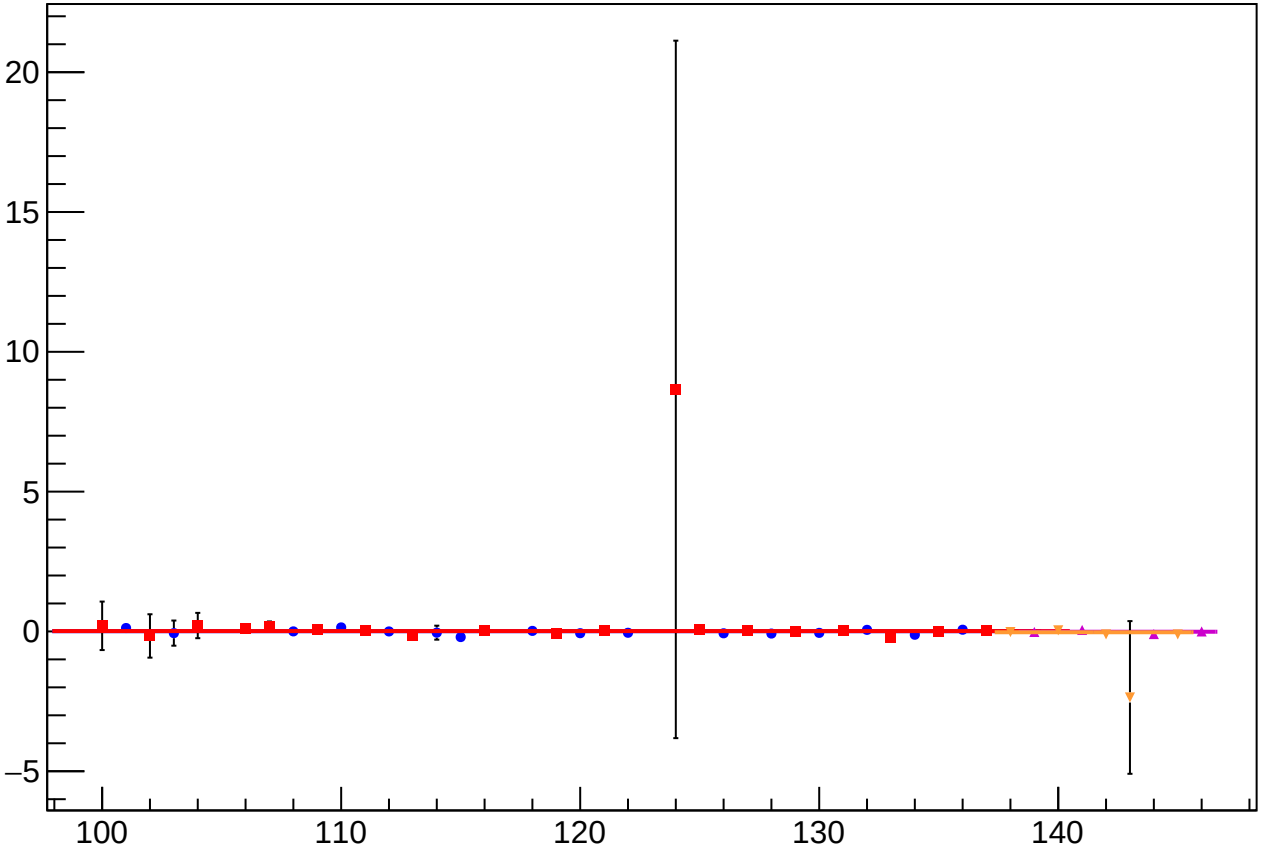
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.885+/-0.009 χ^2/NDF:2982753.7/19

Out: 35.470+/-0.009 χ^2/NDF:5596525.3/23

All: 35.155+/-0.006 χ^2/NDF: 8581346.1/43

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: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.019+/-0.015 χ^2/NDF: 8.6/8

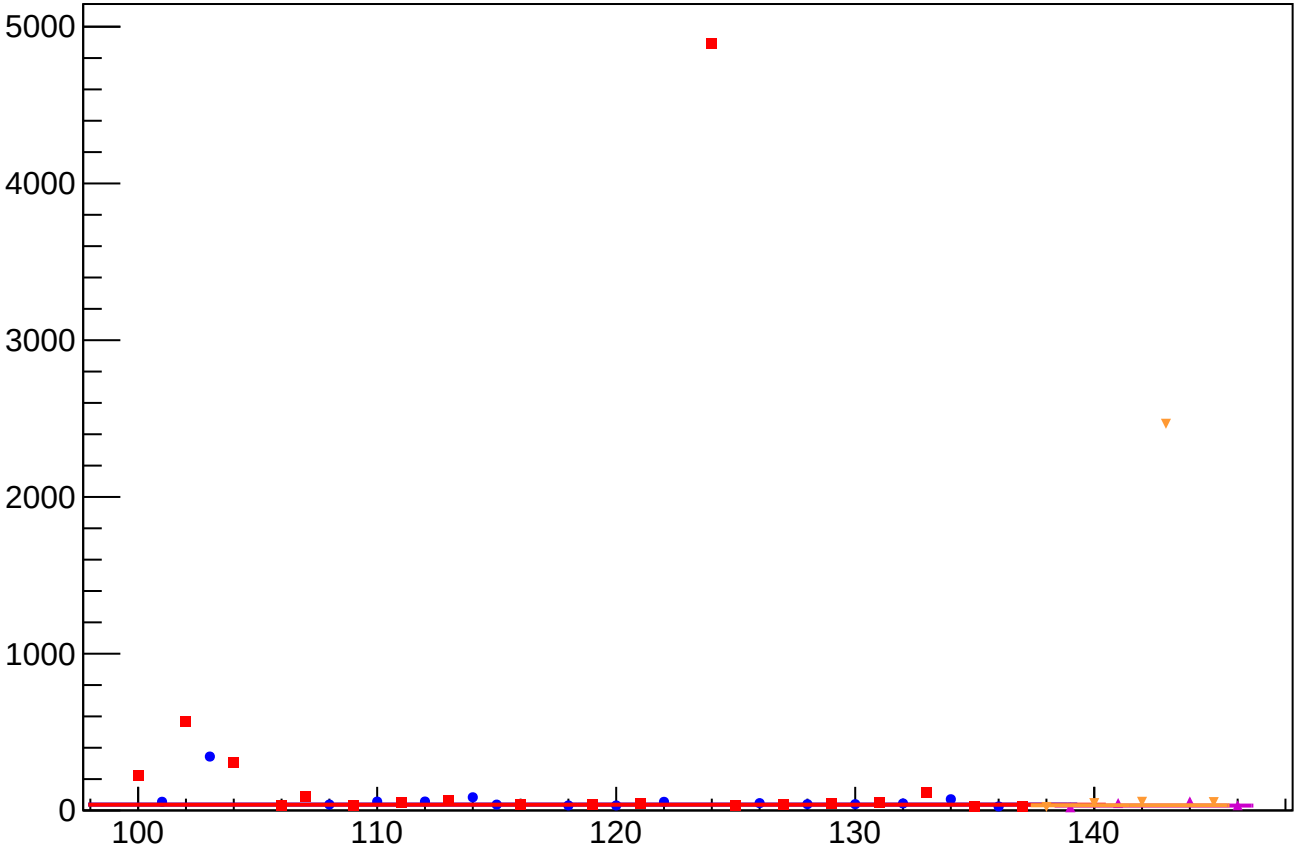
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: -0.002+/-0.013 χ^2/NDF:19.7/23

All: -0.001+/-0.009 χ^2/NDF: 42.9/43

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: 33.091+/-0.016 χ^2/NDF:2371298.2/4

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

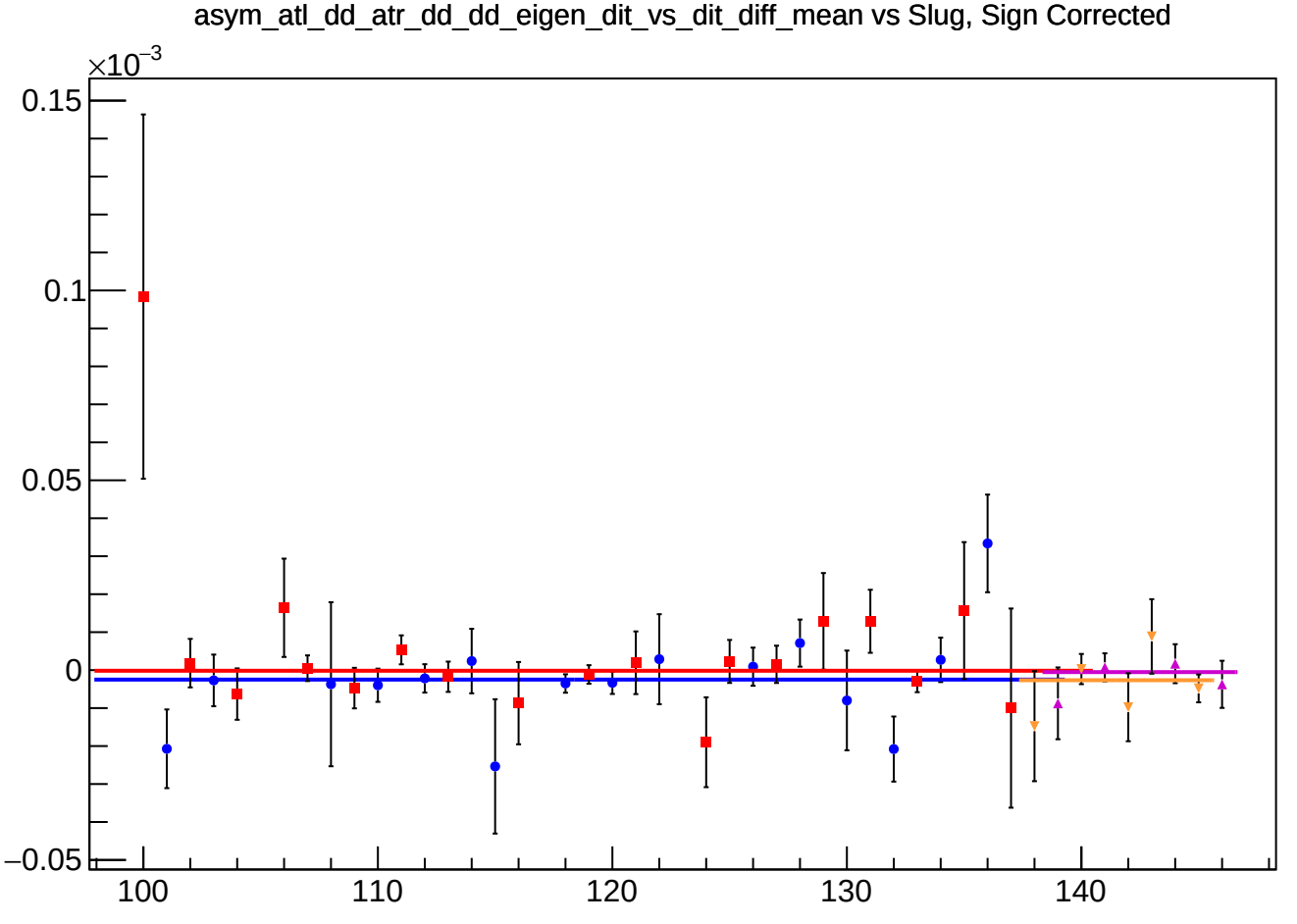
Left: 31.947+/-0.010 χ^2/NDF: 3250676.5/8

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.885+/-0.009 χ^2/NDF:2982753.7/19

Out: 35.470+/-0.009 χ^2/NDF:5596525.3/23

All: 35.155+/-0.006 χ^2/NDF: 8581346.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/3

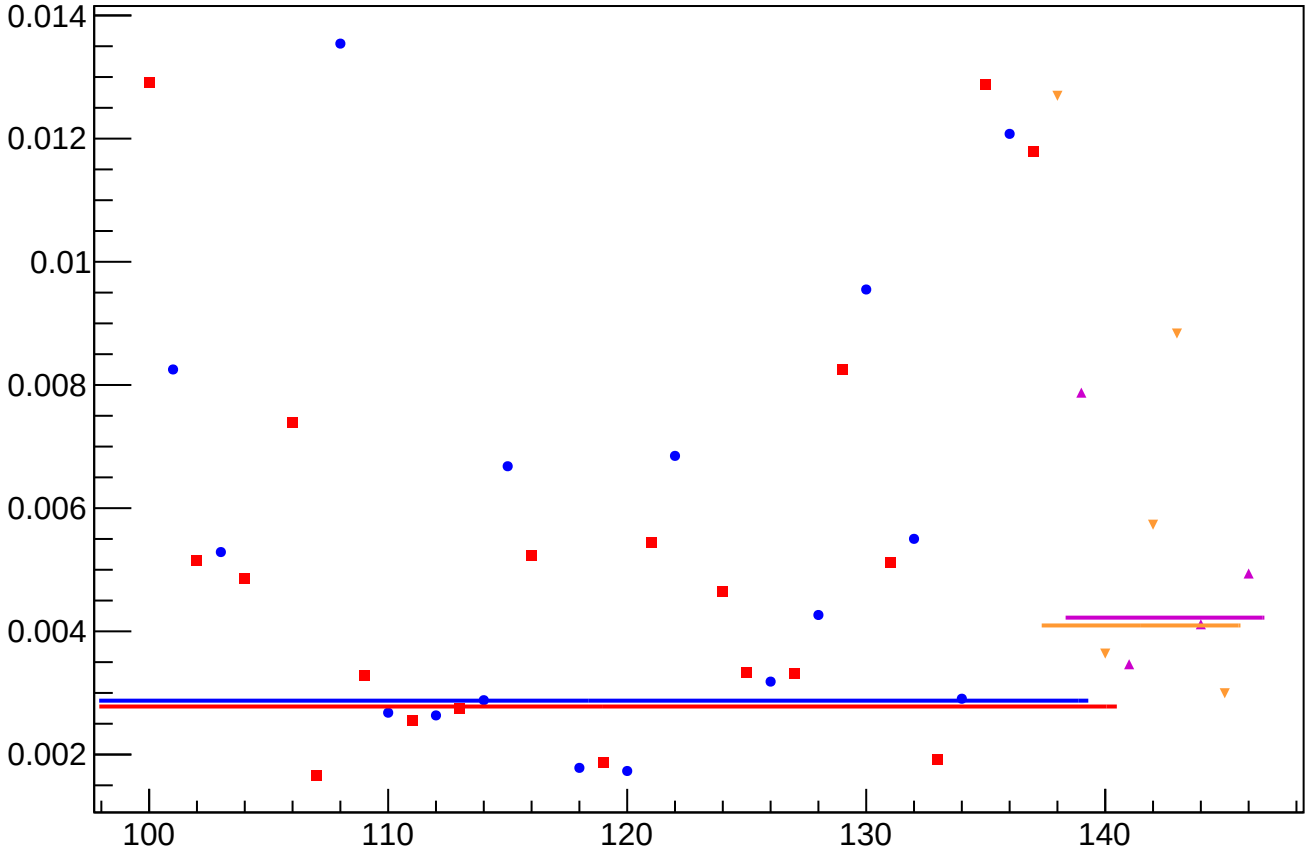
Left: -0.000+/-0.000 χ^2/NDF: 5.3/8

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:23.6/19

Out: -0.000+/-0.000 χ^2/NDF:23.3/23

All: -0.000+/-0.000 χ^2/NDF: 47.8/43



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1444443.2/4

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:409779.0/3

Left: 0.004+/-0.000 χ^2/NDF: 1856745.0/8

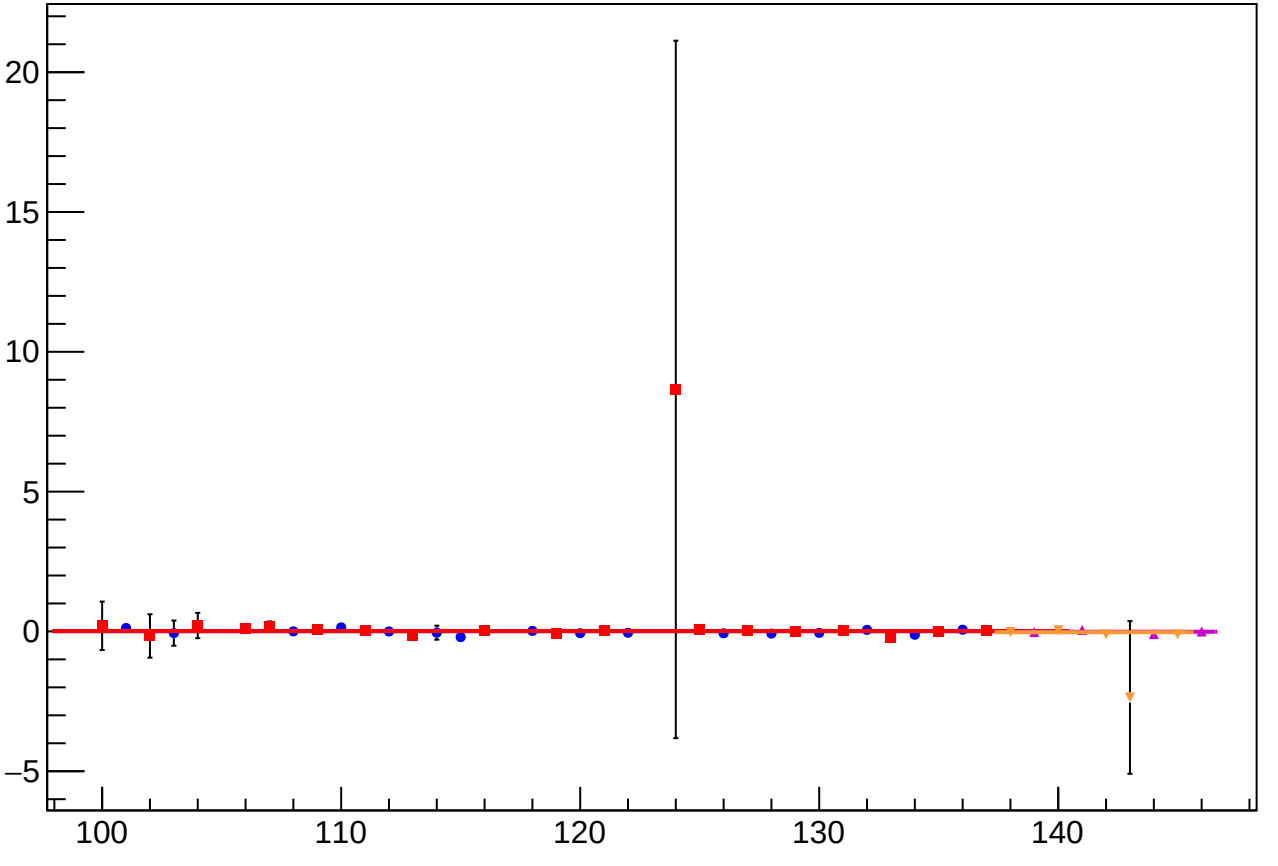
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4992022.9/19

Out: 0.003+/-0.000 χ^2/NDF:5221523.1/23

All: 0.003+/-0.000 χ^2/NDF: 10225757.2/43

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: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.019+/-0.015 χ^2/NDF: 8.6/8

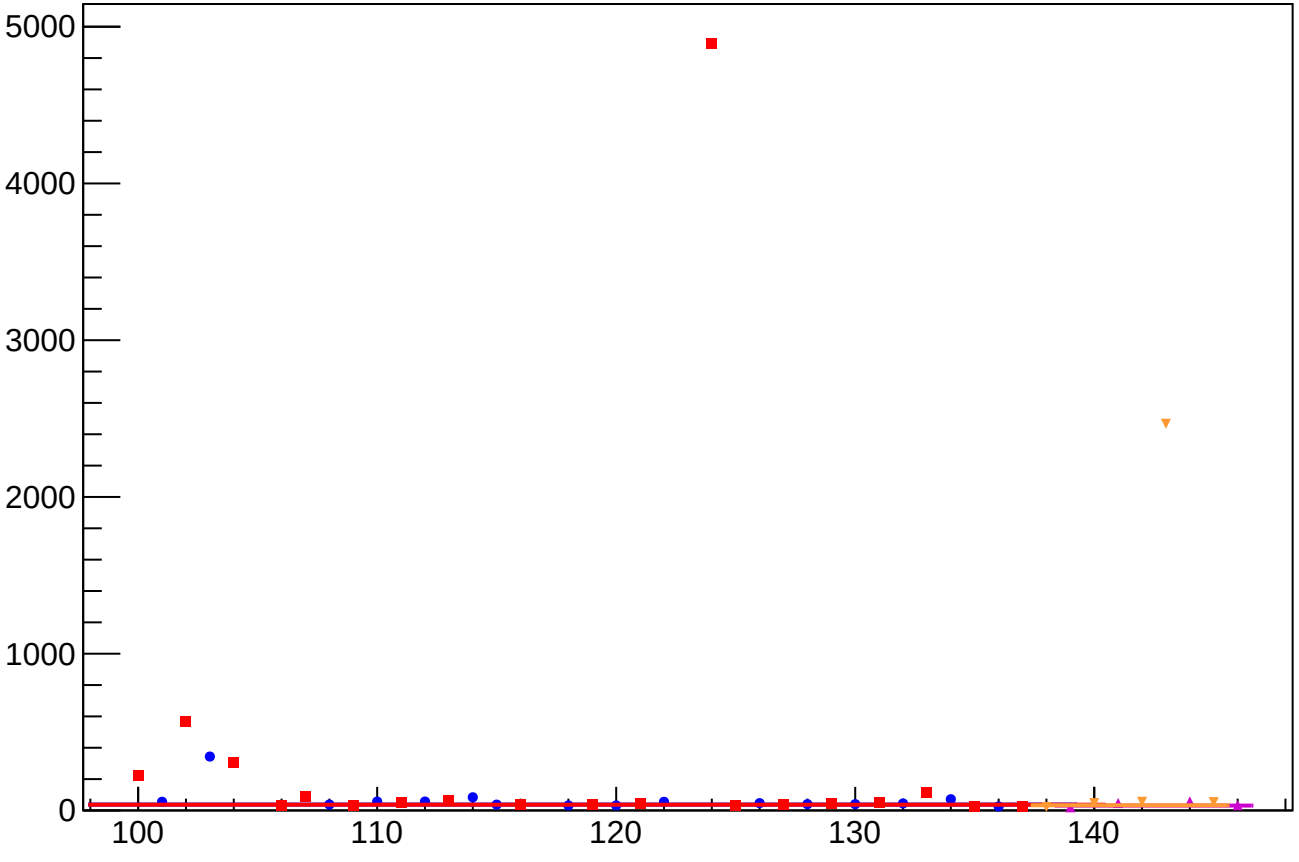
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: -0.002+/-0.013 χ^2/NDF:19.7/23

All: -0.001+/-0.009 χ^2/NDF: 42.9/43

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: 33.087+/-0.016 χ^2/NDF:2371628.0/4

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

Left: 31.949+/-0.010 χ^2/NDF: 3250256.2/8

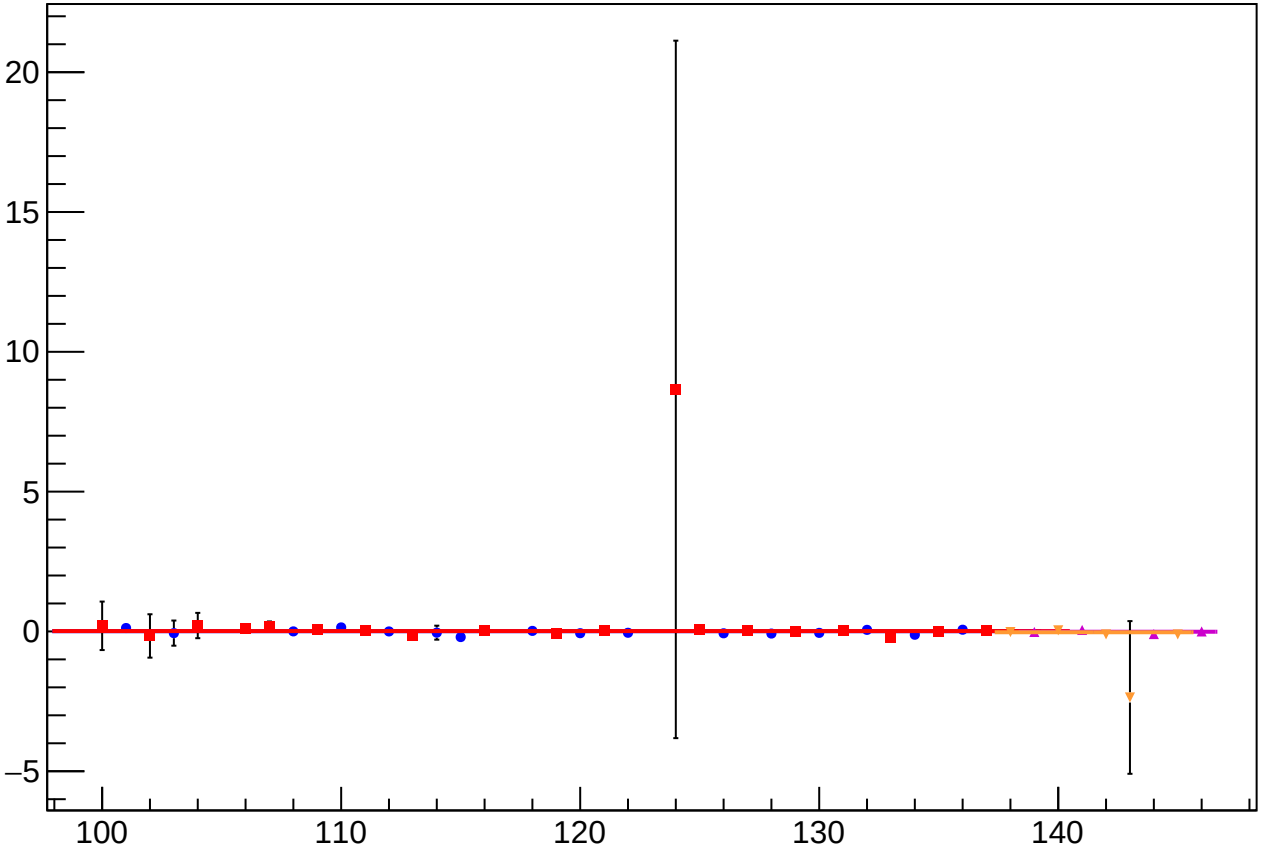
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.888+/-0.009 χ^2/NDF:2981757.5/19

Out: 35.470+/-0.009 χ^2/NDF:5596667.6/23

All: 35.156+/-0.006 χ^2/NDF: 8580463.9/43

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: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.019+/-0.015 χ^2/NDF: 8.6/8

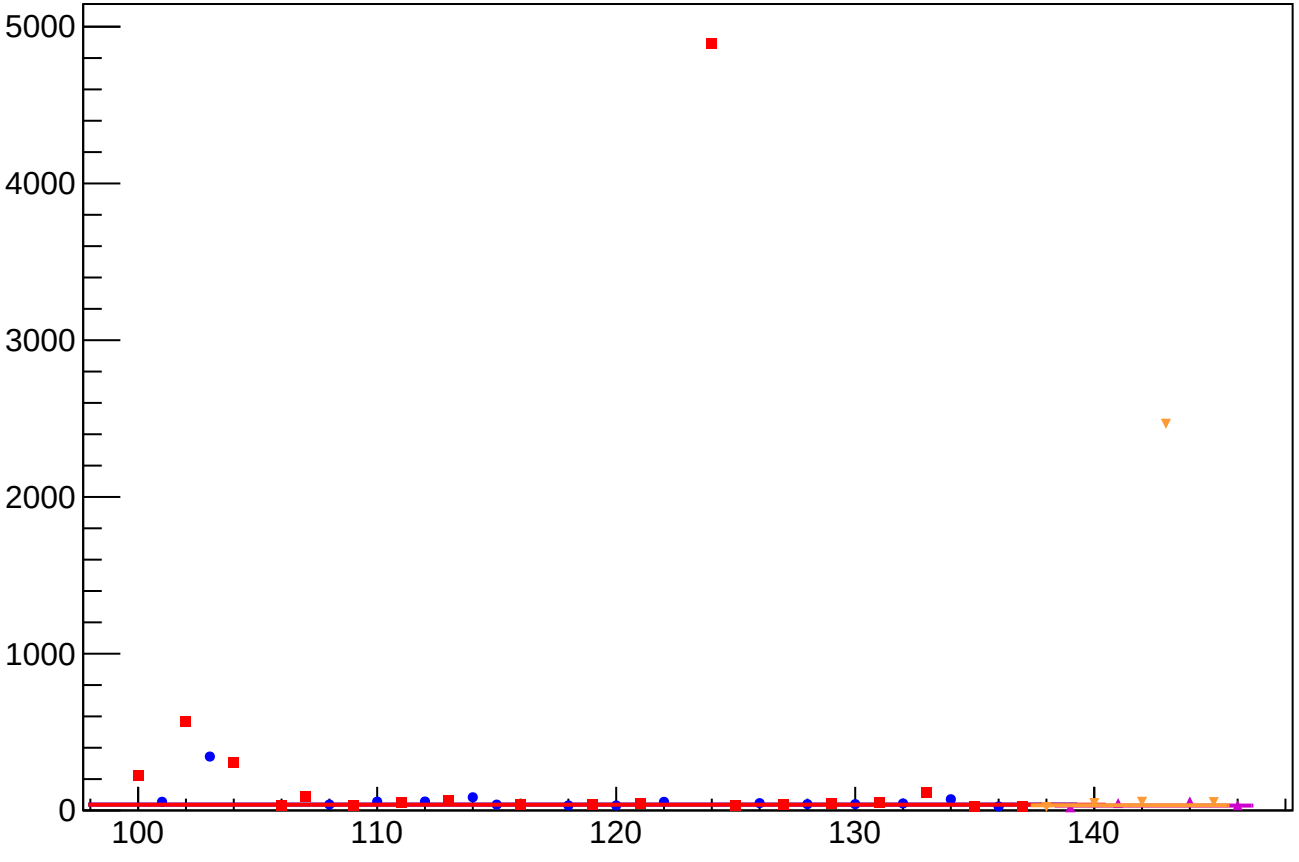
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: -0.002+/-0.013 χ^2/NDF:19.7/23

All: -0.001+/-0.009 χ^2/NDF: 42.9/43

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: 33.087+/-0.016 χ^2/NDF:2371628.0/4

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

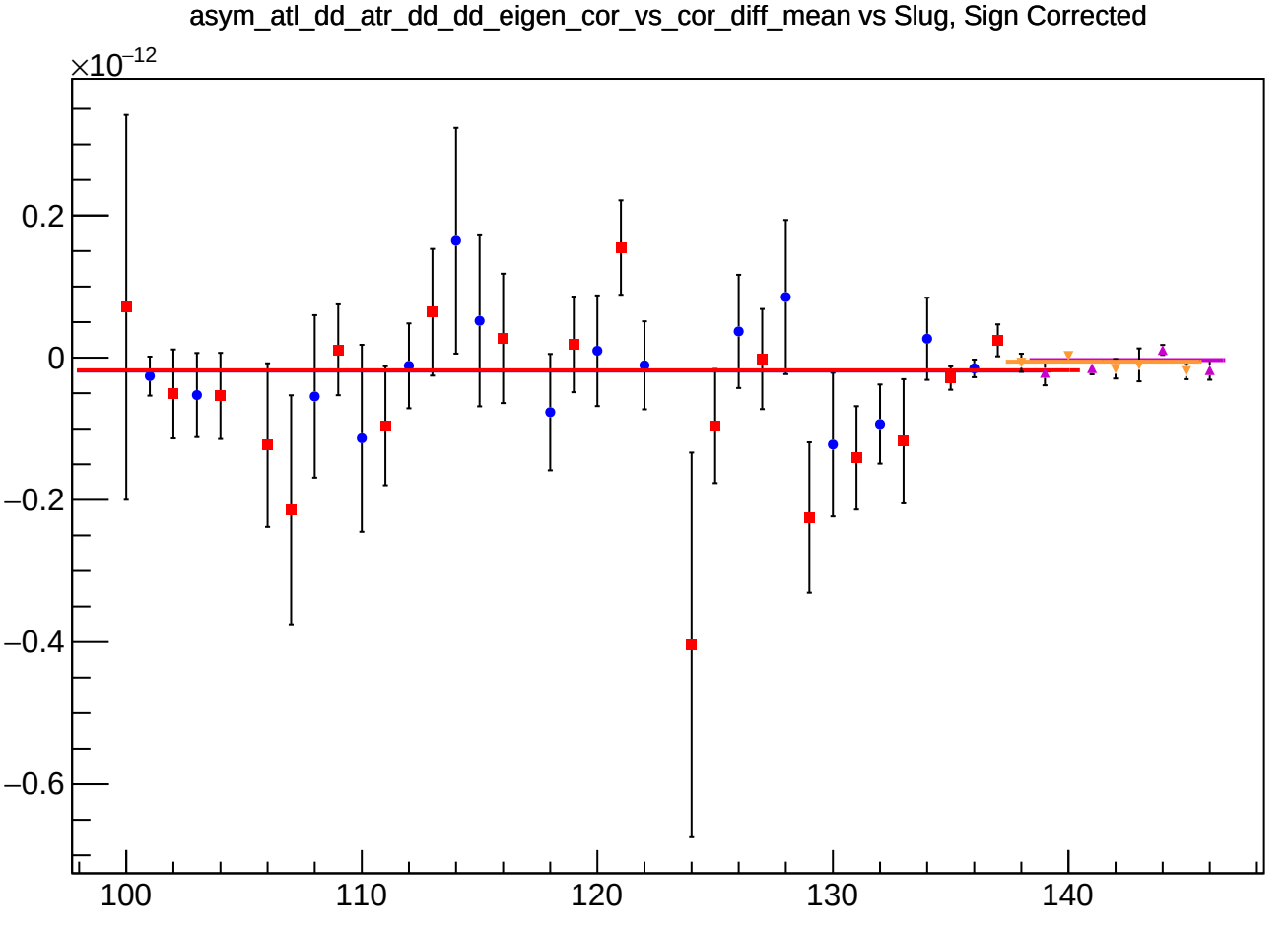
Left: 31.949+/-0.010 χ^2/NDF: 3250256.2/8

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.888+/-0.009 χ^2/NDF:2981757.5/19

Out: 35.470+/-0.009 χ^2/NDF:5596667.6/23

All: 35.156+/-0.006 χ^2/NDF: 8580463.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/3

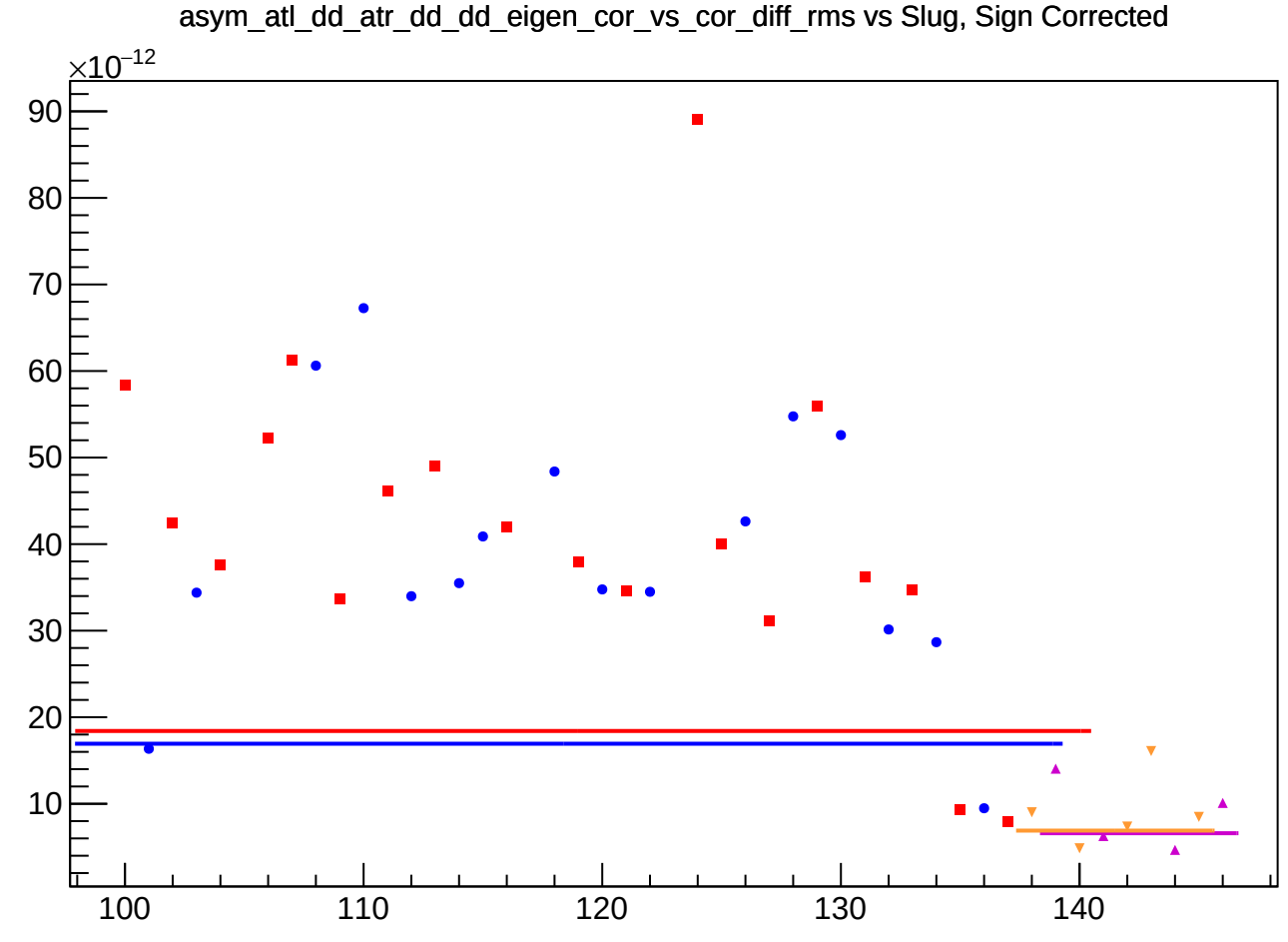
Left: -0.000+/-0.000 χ^2/NDF: 11.4/8

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:18.1/19

Out: -0.000+/-0.000 χ^2/NDF:31.6/23

All: -0.000+/-0.000 χ^2/NDF: 49.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:594231.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:646217.0/3

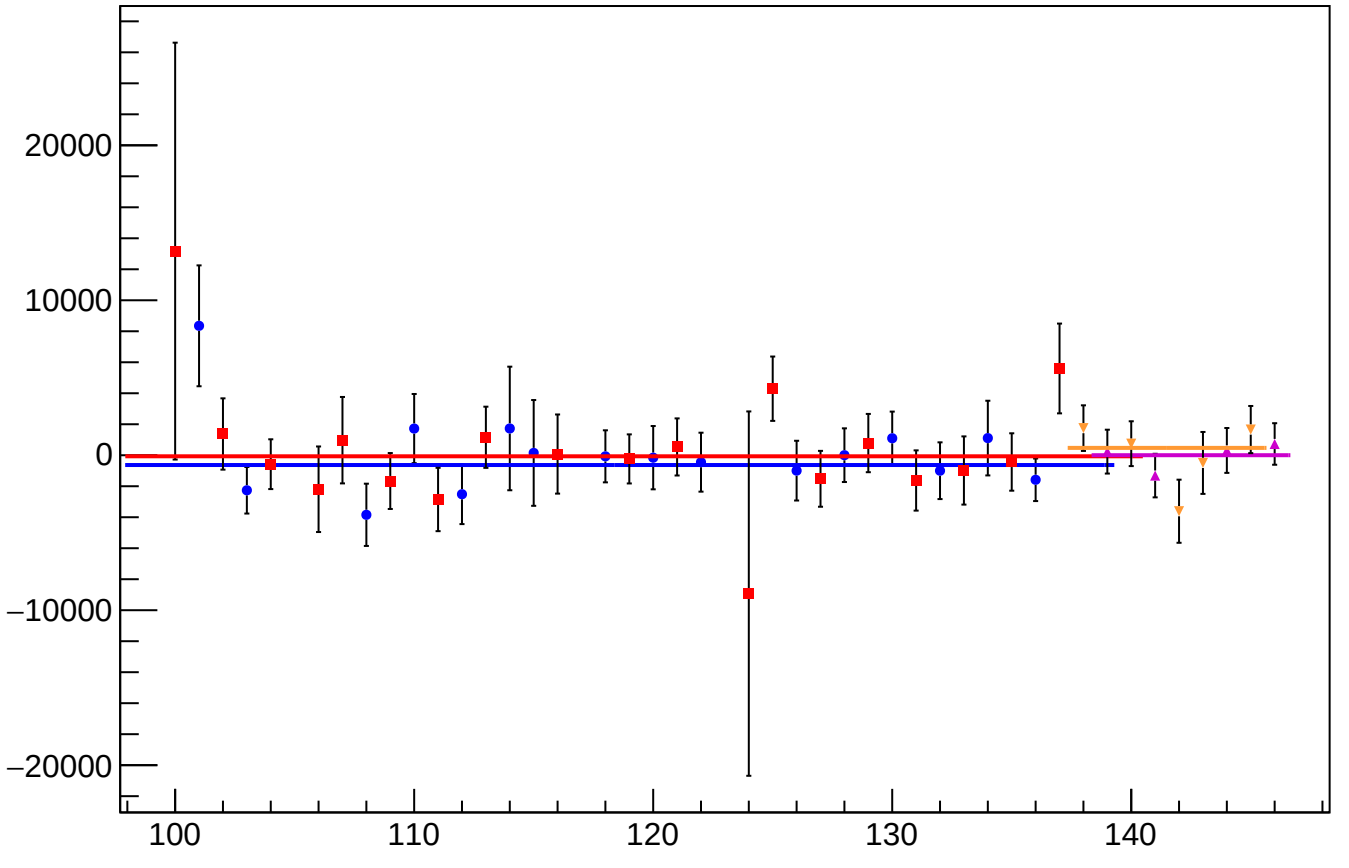
Left: 0.000+/-0.000 χ^2/NDF: 1244334.8/8

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:5607622.9/19

Out: 0.000+/-0.000 χ^2/NDF:6090933.7/23

All: 0.000+/-0.000 χ^2/NDF: 11699576.9/43



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.644+/-732.595 χ^2/NDF:5.7/4

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 2.449+/-700.312 χ^2/NDF:1.2/3

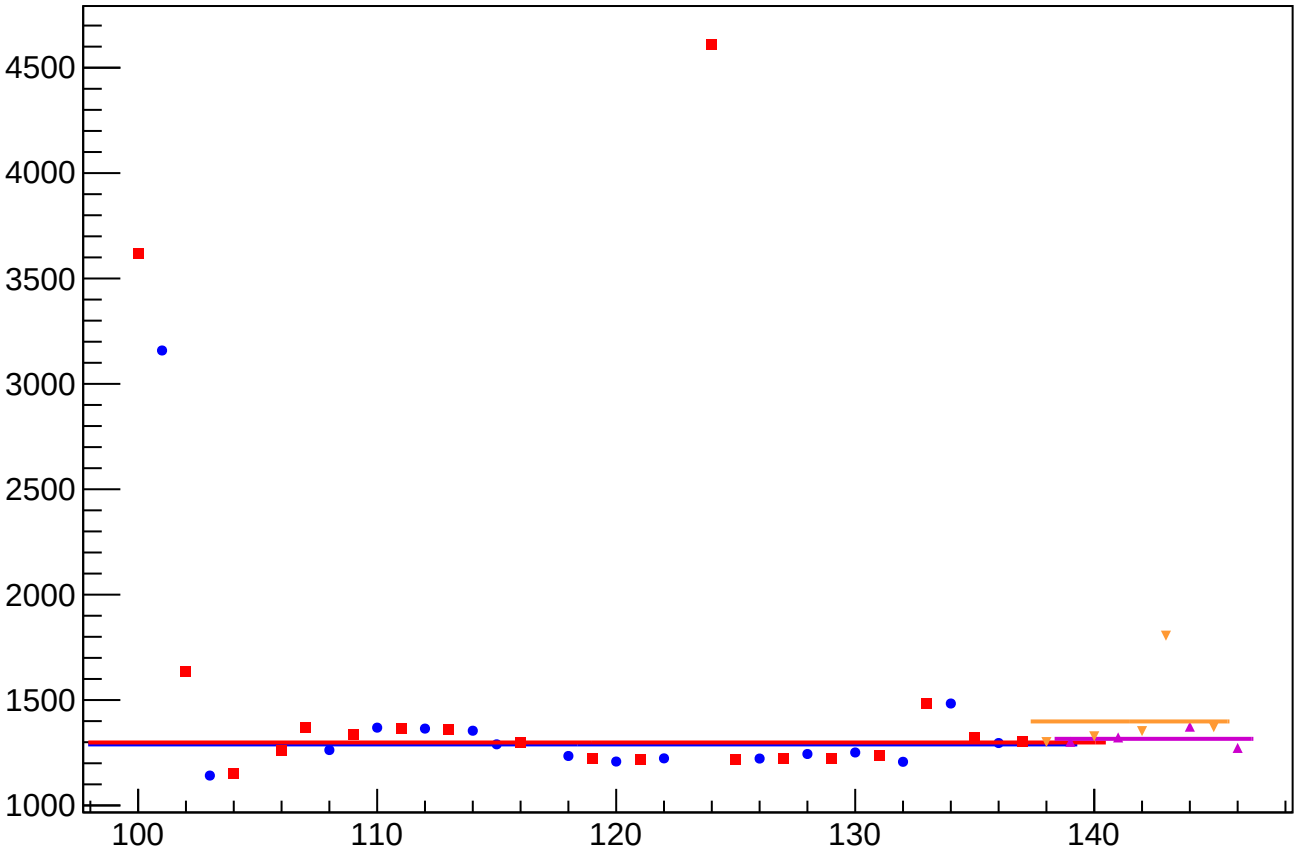
Left: 227.913+/-506.224 χ^2/NDF: 7.1/8

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -423.600+/-400.746 χ^2/NDF:15.7/19

Out: 98.914+/-406.004 χ^2/NDF:21.9/23

All: -165.748+/-285.211 χ^2/NDF: 38.4/43



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

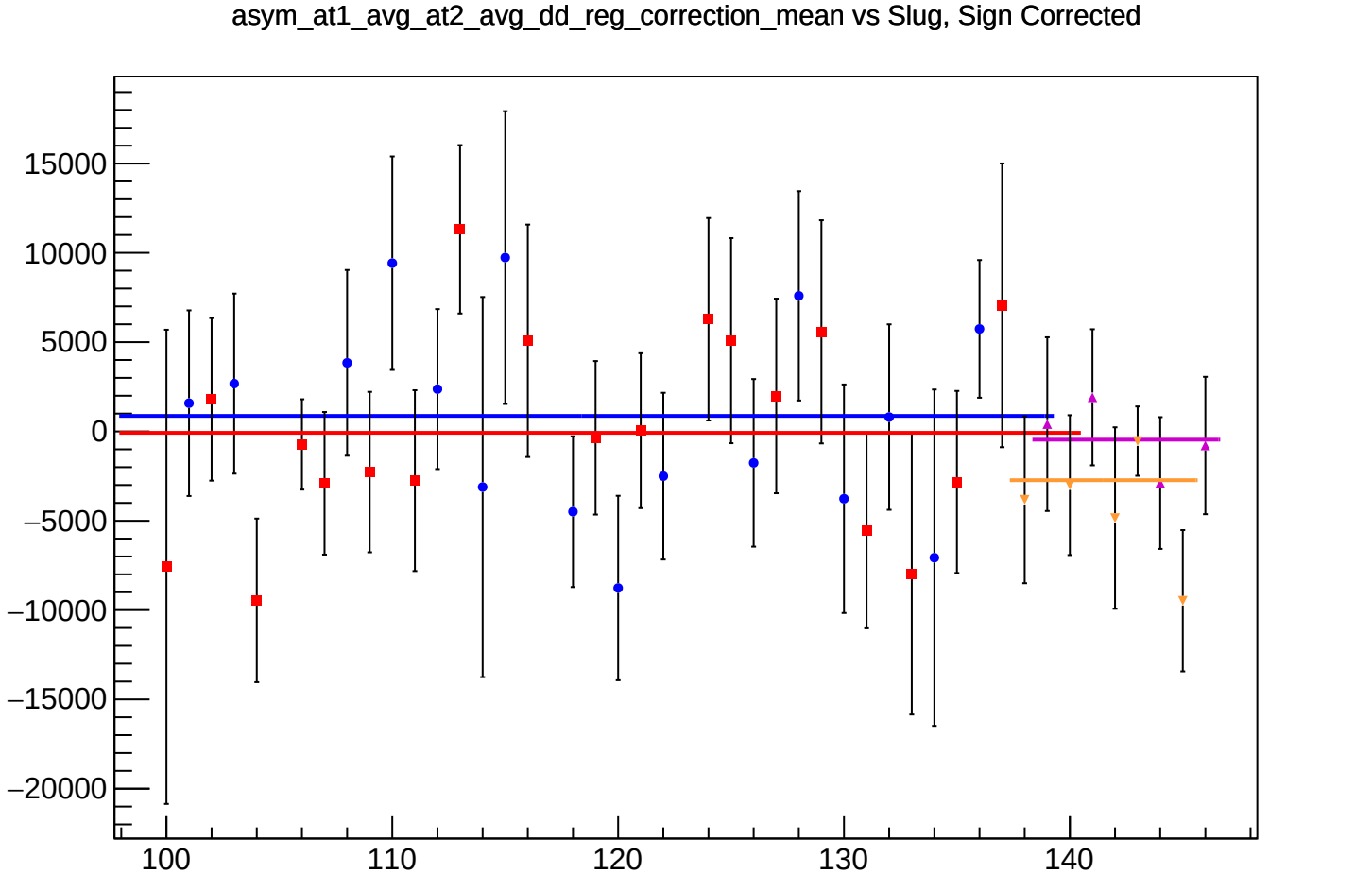
Left: 1355.350+/-0.358 χ^2/NDF: 116949.6/8

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1298.143+/-0.283 χ^2/NDF:522091.3/19

Out: 1329.195+/-0.287 χ^2/NDF:443340.7/23

All: 1313.495+/-0.201 χ^2/NDF: 971368.6/43



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2728.713+/-1444.041 χ^2/NDF:4.4/4

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -460.950+/-1990.507 χ^2/NDF:0.9/3

Left: -1946.743+/-1168.853 χ^2/NDF: 6.1/8

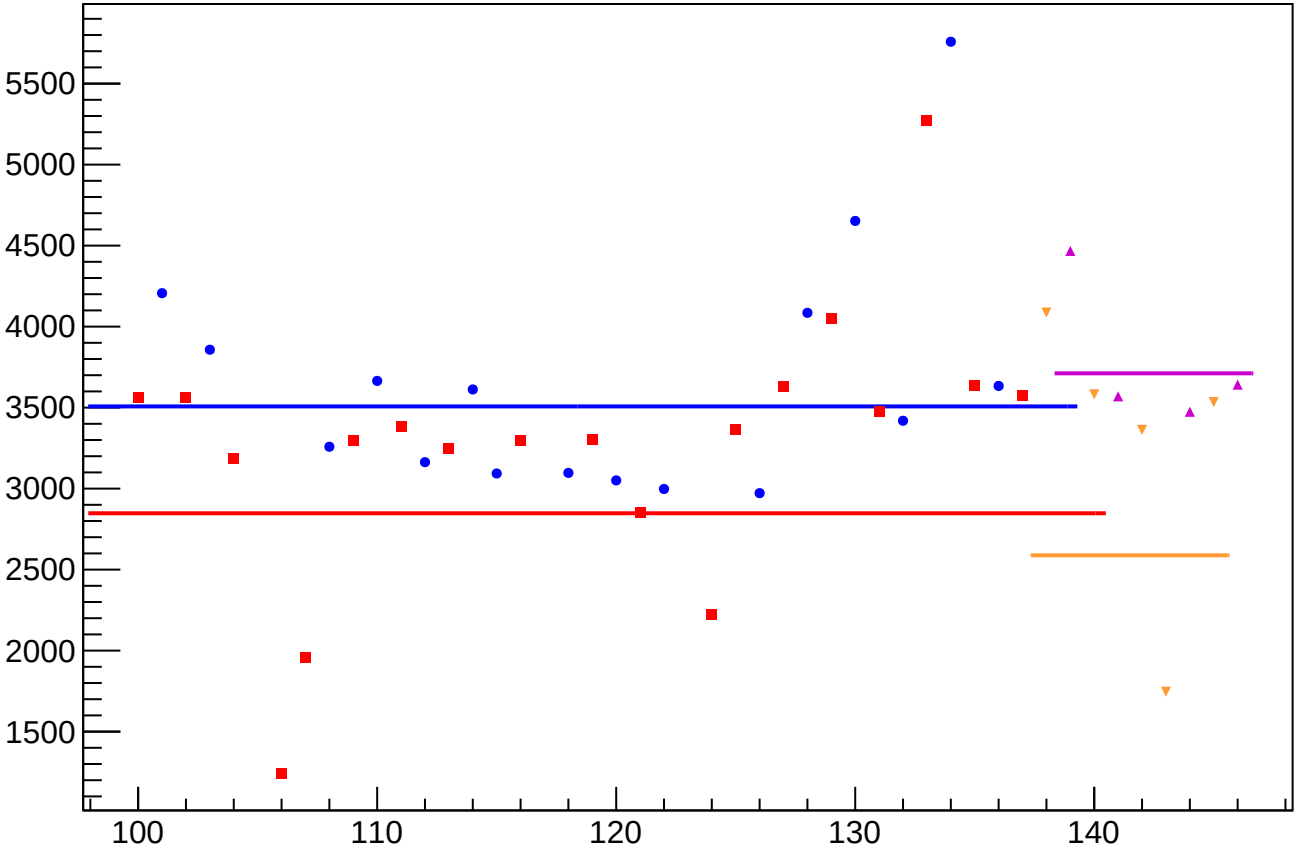
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 461.419+/-1103.139 χ^2/NDF:15.2/19

Out: -1063.275+/-880.583 χ^2/NDF:24.9/23

All: -469.859+/-688.207 χ^2/NDF: 41.3/43

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2588.366+/-1.021 χ^2/NDF:872391.5/4

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3711.715+/-1.408 χ^2/NDF:60010.5/3

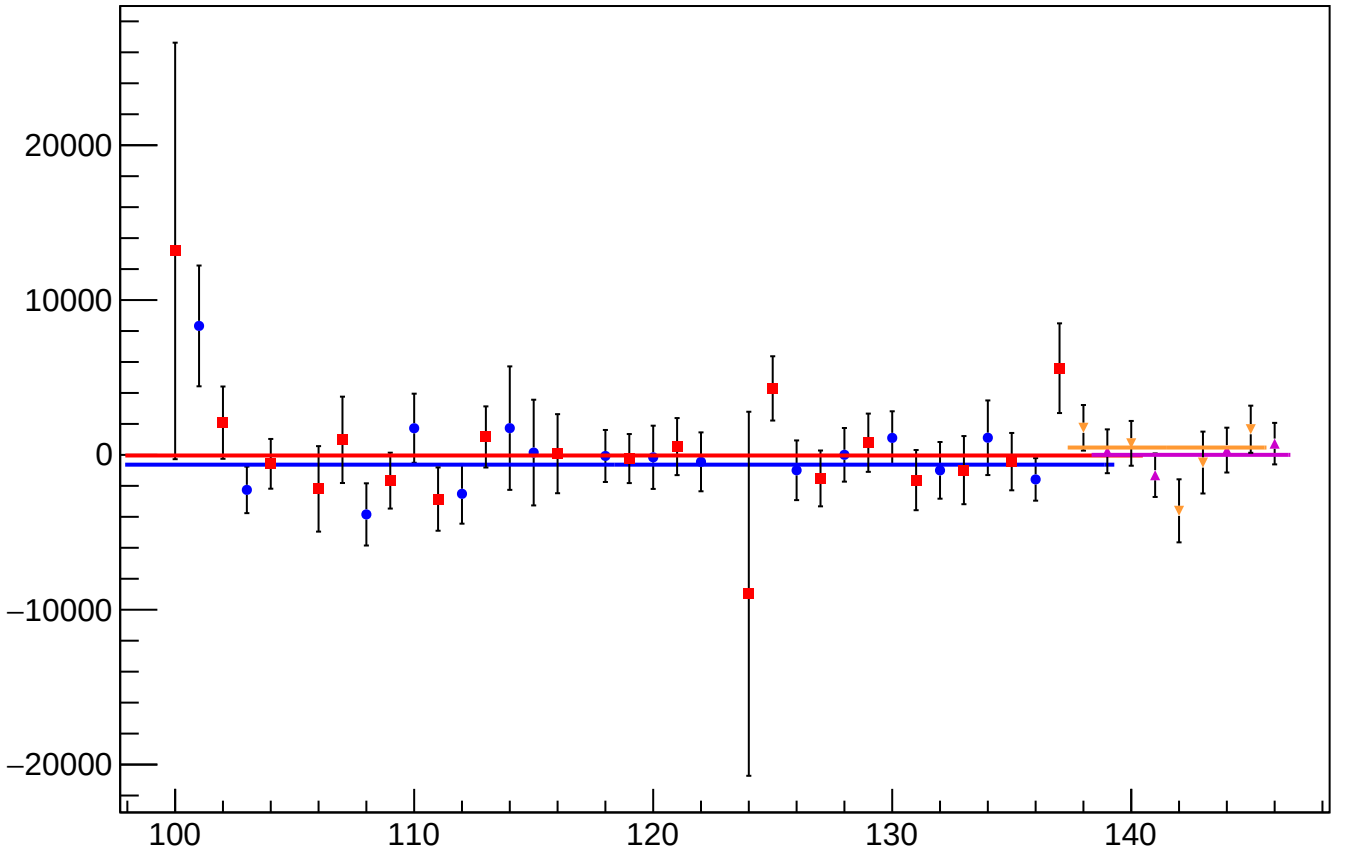
Left: 2975.719+/-0.827 χ^2/NDF: 1349745.2/8

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3570.151+/-0.780 χ^2/NDF:428590.0/19

Out: 2751.347+/-0.623 χ^2/NDF:2412324.4/23

All: 3070.028+/-0.487 χ^2/NDF: 3513931.2/43



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.679+/-732.595 χ^2/NDF:5.7/4

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 2.427+/-700.312 χ^2/NDF:1.2/3

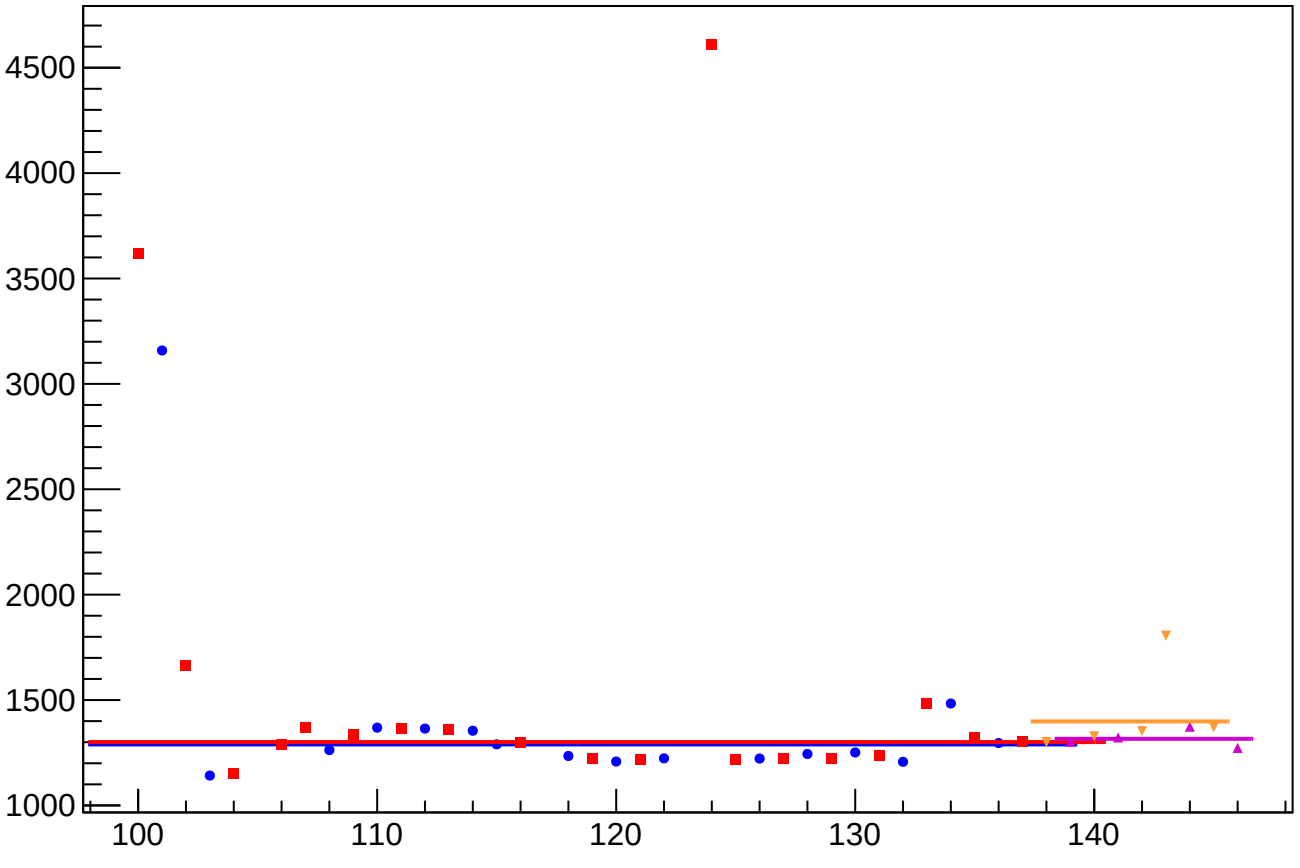
Left: 227.919+/-506.224 χ^2/NDF: 7.1/8

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -423.866+/-400.746 χ^2/NDF:15.7/19

Out: 119.176+/-406.191 χ^2/NDF:22.3/23

All: -156.009+/-285.276 χ^2/NDF: 38.9/43



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

Left: 1355.350+/-0.358 χ^2/NDF: 116949.6/8

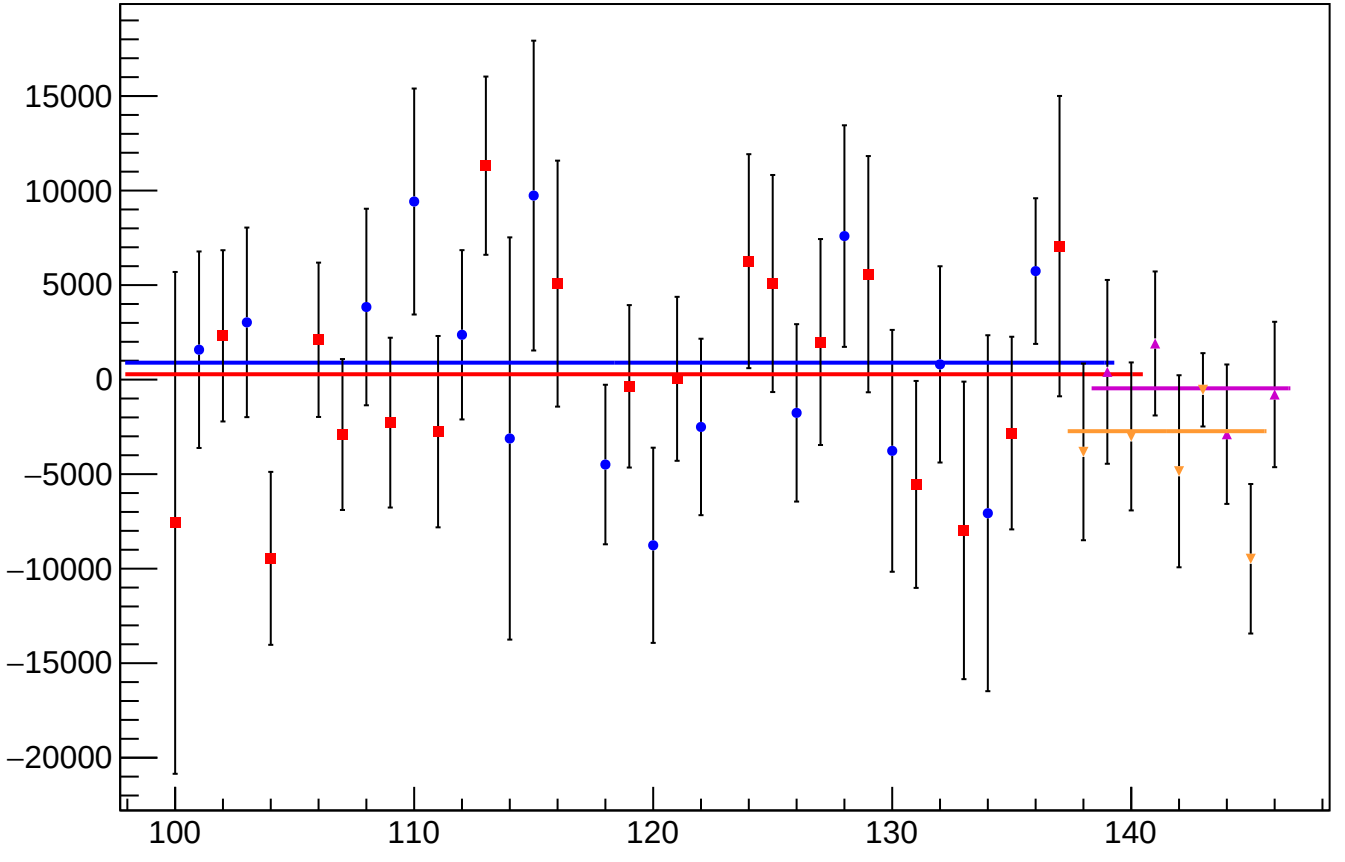
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1330.662+/-0.287 χ^2/NDF:448815.4/23

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2728.480+/-1444.035 χ^2/NDF:4.4/4

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -460.973+/-1990.504 χ^2/NDF:0.9/3

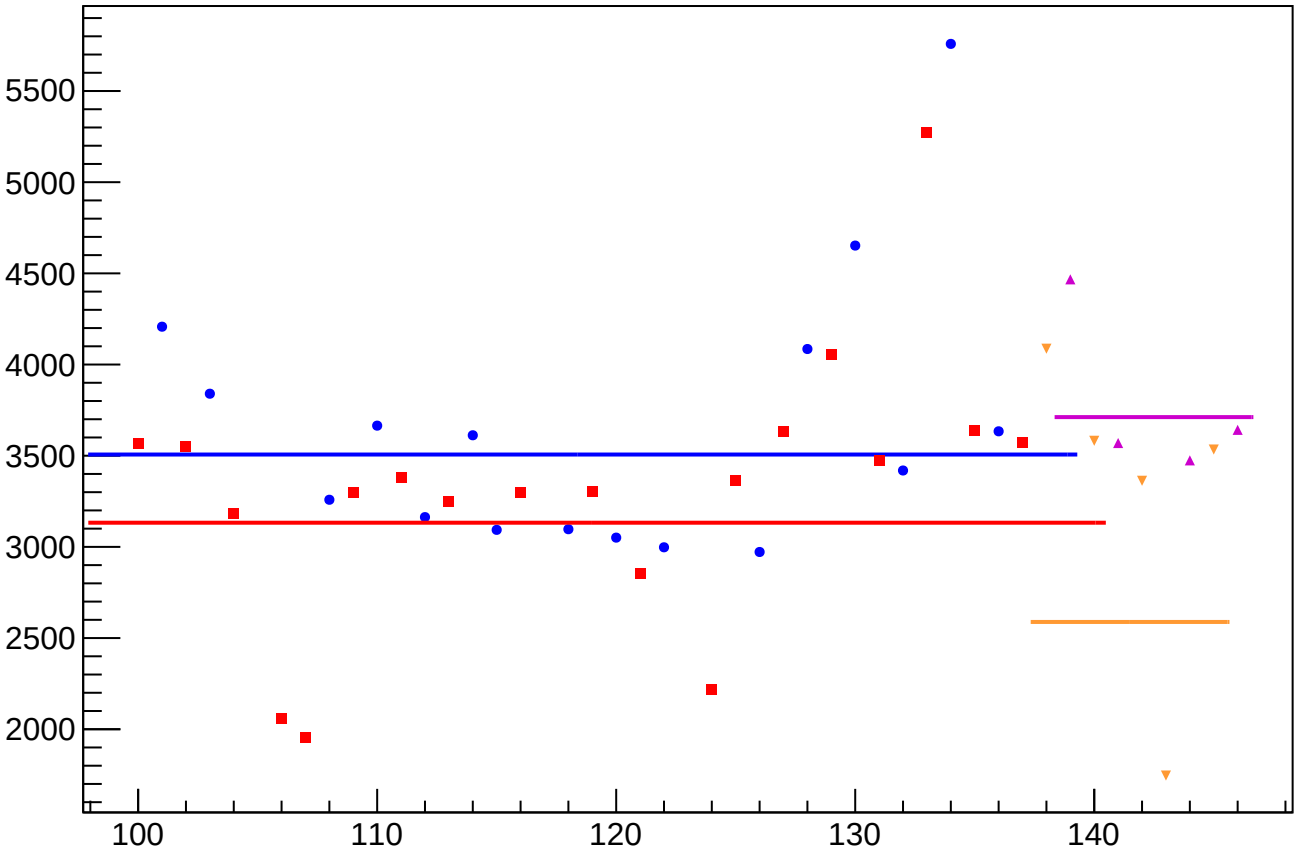
Left: -1946.601+/-1168.849 χ^2/NDF: 6.1/8

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 479.431+/-1102.876 χ^2/NDF:15.3/19

Out: -926.064+/-915.200 χ^2/NDF:25.6/23

All: -352.904+/-704.288 χ^2/NDF: 41.9/43



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

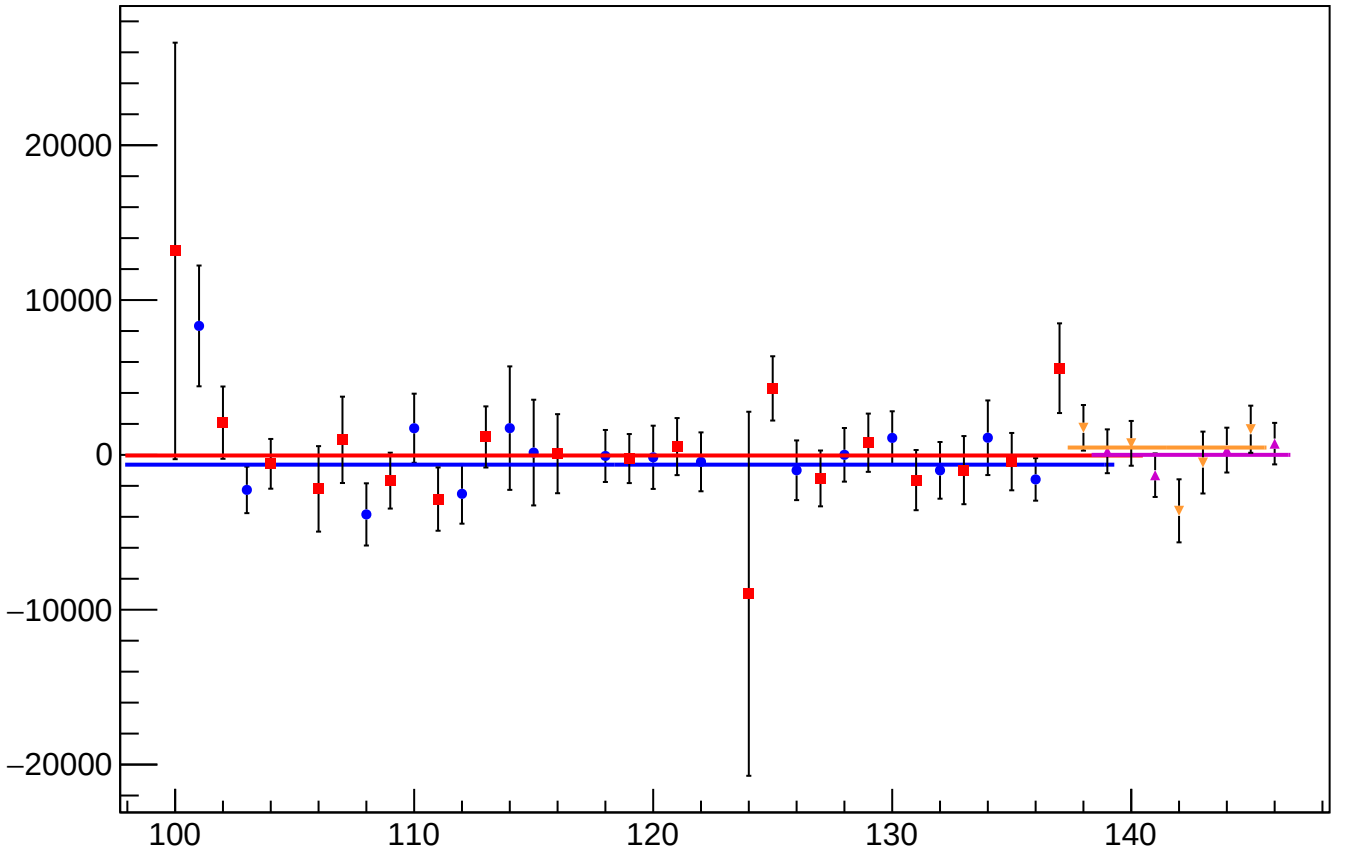
Left: 2975.708+/-0.827 χ^2/NDF: 1349763.2/8

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2913.981+/-0.647 χ^2/NDF:1691987.4/23

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.679+/-732.595 χ^2/NDF:5.7/4

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 2.427+/-700.312 χ^2/NDF:1.2/3

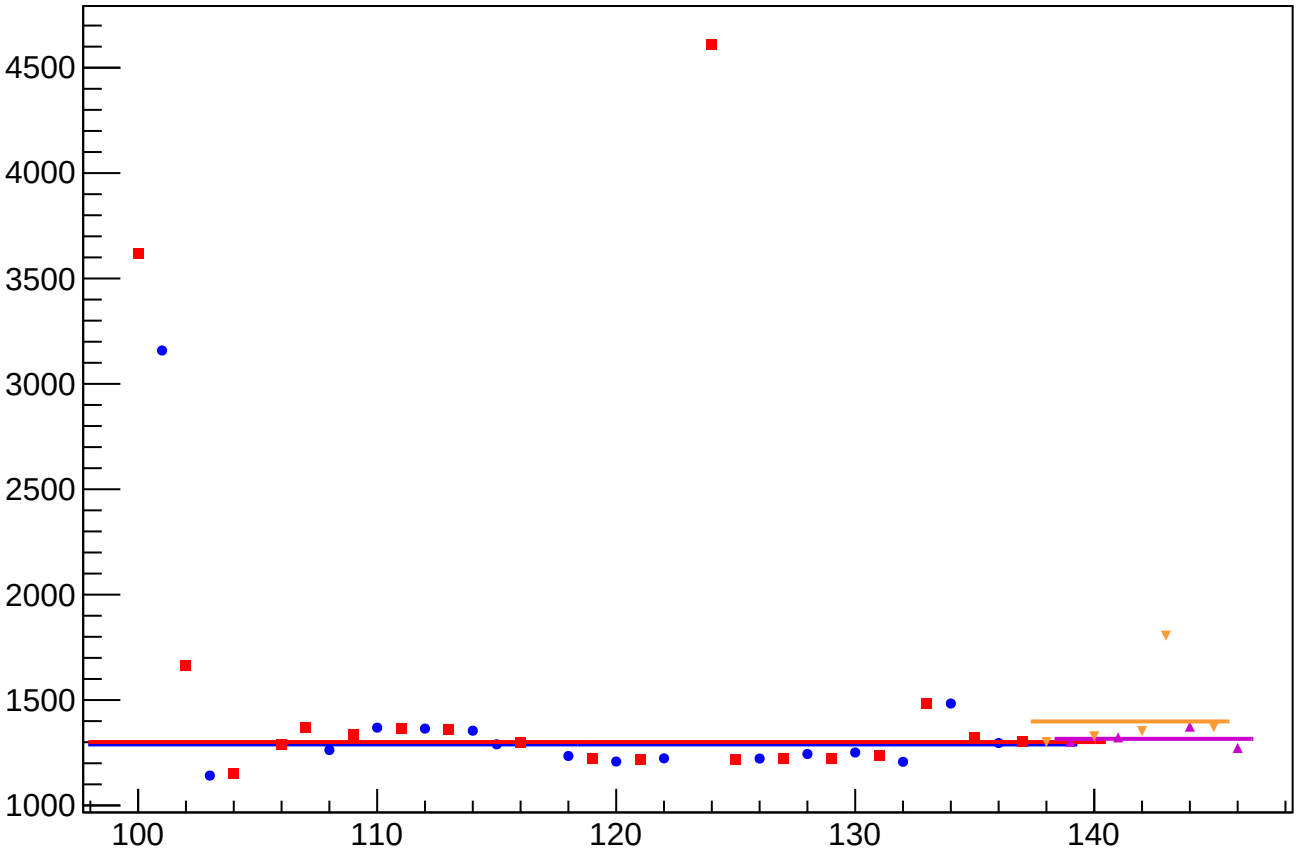
Left: 227.919+/-506.224 χ^2/NDF: 7.1/8

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -423.866+/-400.746 χ^2/NDF:15.7/19

Out: 119.176+/-406.191 χ^2/NDF:22.3/23

All: -156.009+/-285.276 χ^2/NDF: 38.9/43



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

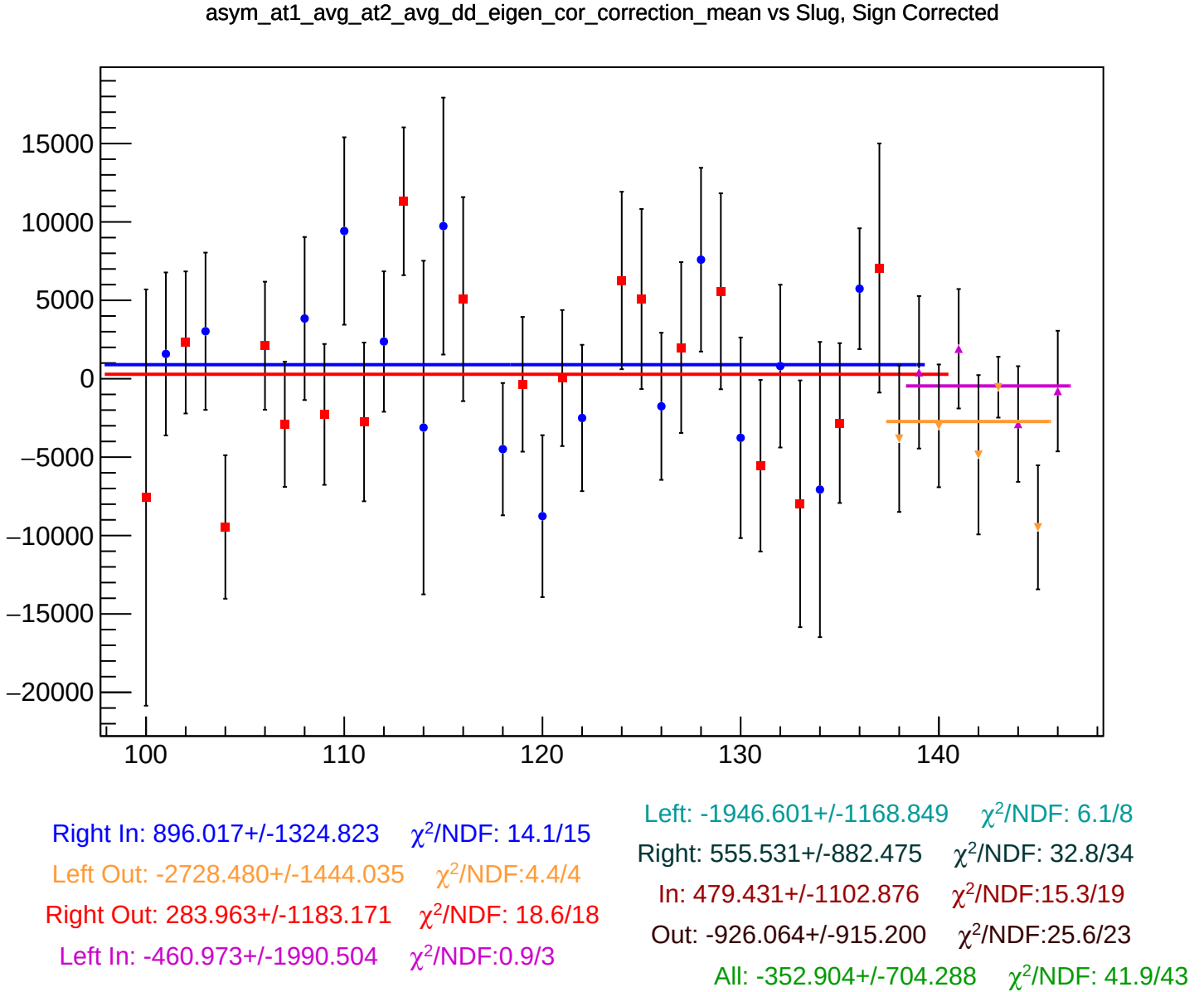
Left: 1355.350+/-0.358 χ^2/NDF: 116949.6/8

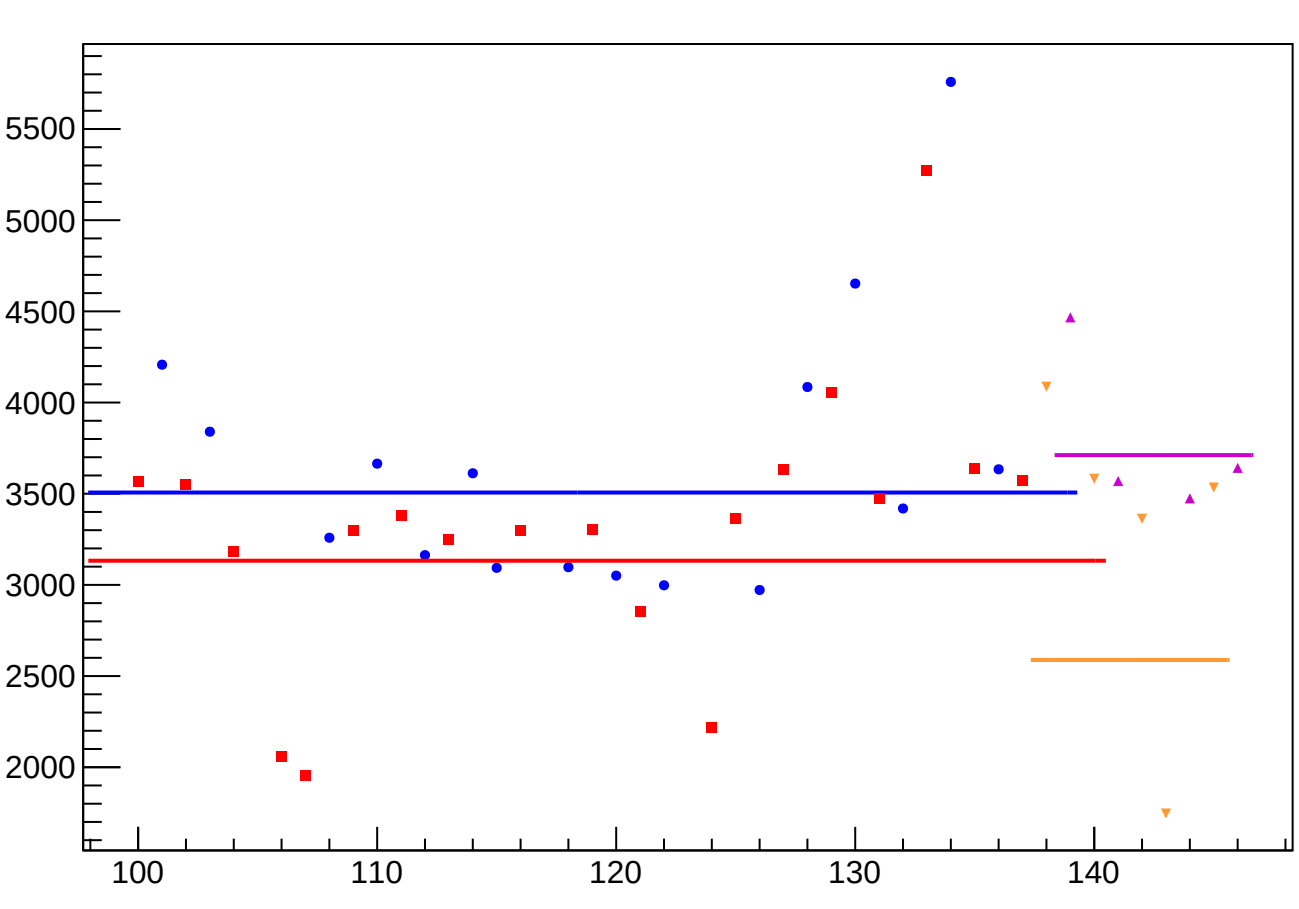
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1330.662+/-0.287 χ^2/NDF:448815.4/23

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2728.480+/-1444.035 χ²/NDF:4.4/4
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -460.973+/-1990.504 χ²/NDF:0.9/3
Left: -1946.601+/-1168.849 χ²/NDF: 6.1/8
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 479.431+/-1102.876 χ²/NDF:15.3/19
Out: -926.064+/-915.200 χ²/NDF:25.6/23
All: -352.904+/-704.288 χ²/NDF: 41.9/43



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

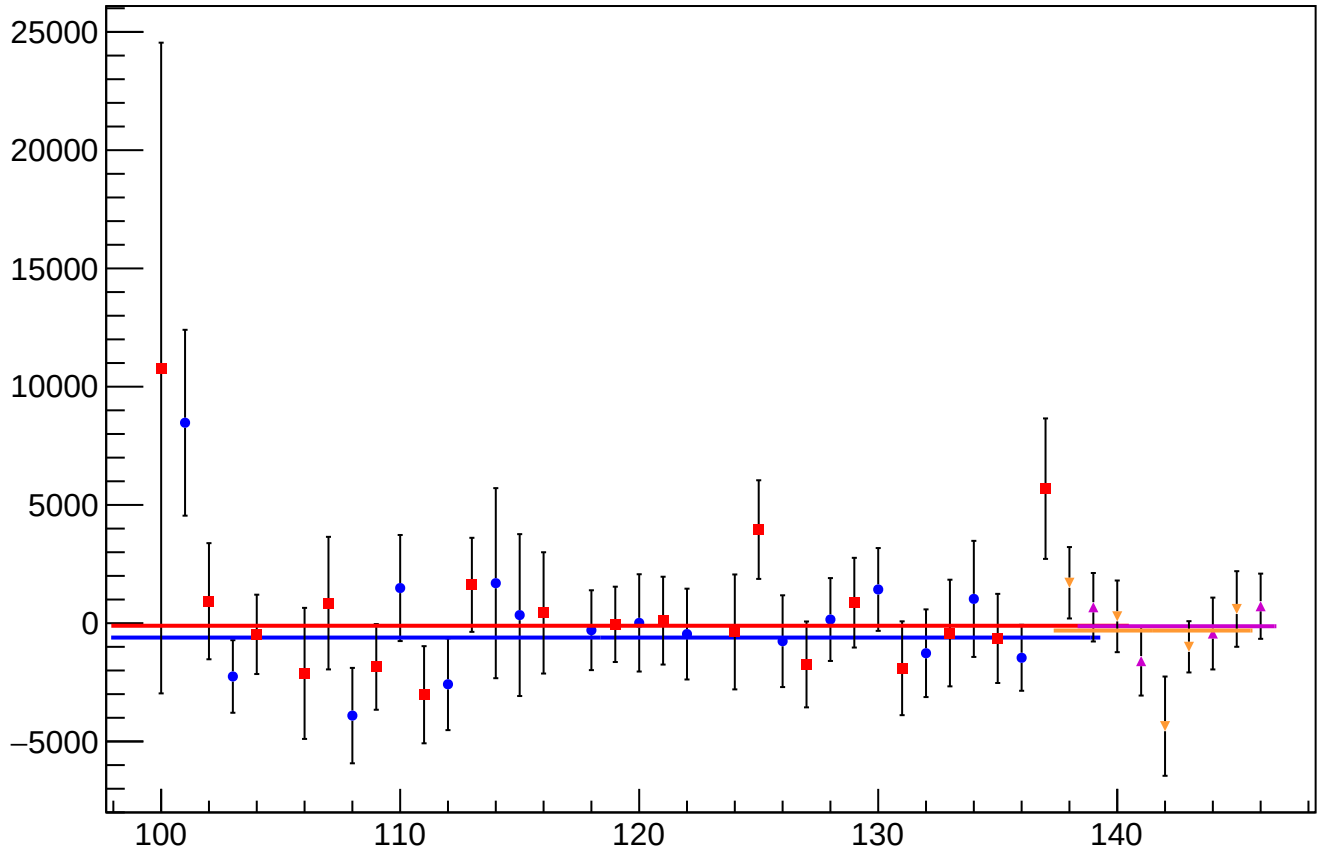
Left: 2975.708+/-0.827 χ^2/NDF: 1349763.2/8

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2913.981+/-0.647 χ^2/NDF:1691987.4/23

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.693+/-653.179 χ^2/NDF:6.4/4

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -129.181+/-723.926 χ^2/NDF:1.8/3

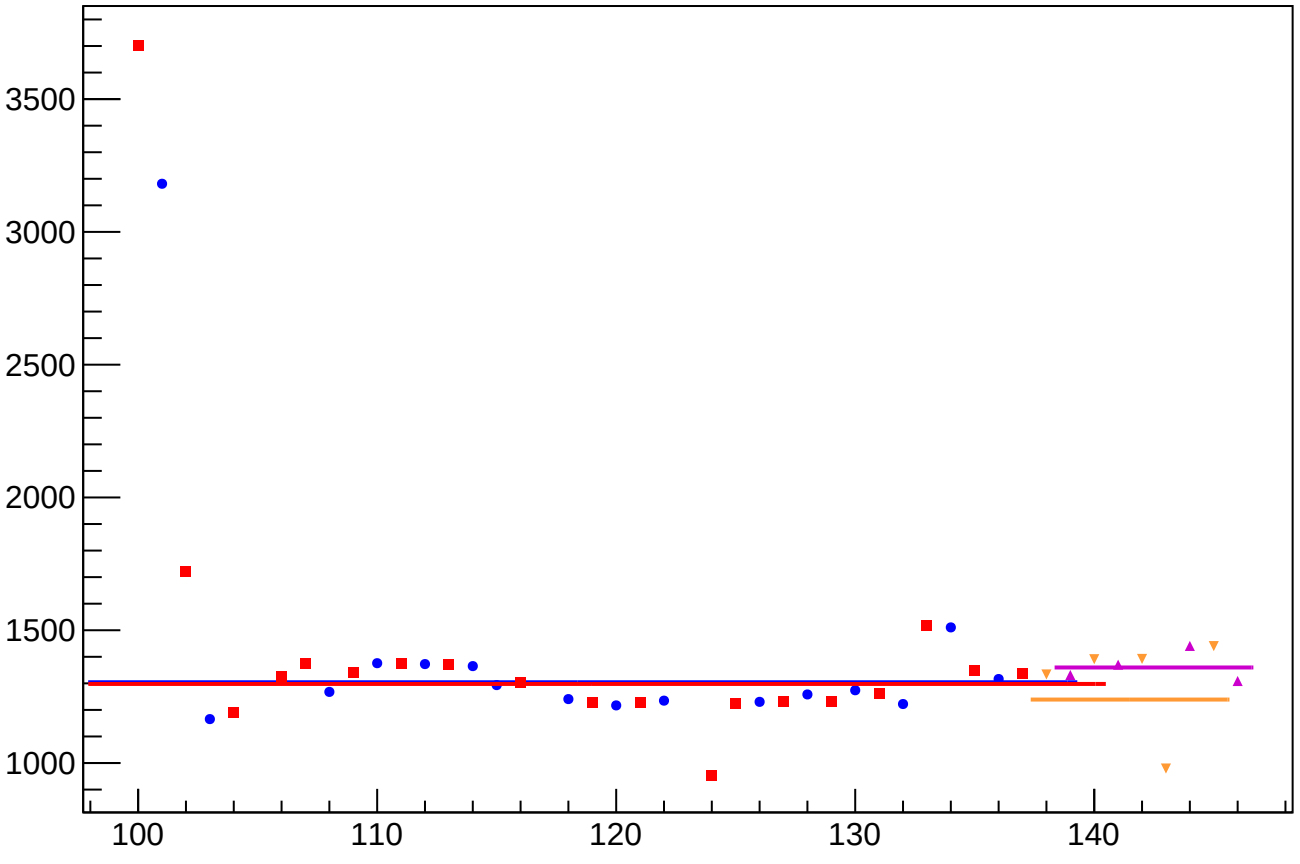
Left: -229.237+/-484.956 χ^2/NDF: 8.2/8

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -455.682+/-408.150 χ^2/NDF:16.2/19

Out: -180.537+/-389.679 χ^2/NDF:21.3/23

All: -311.743+/-281.848 χ^2/NDF: 37.7/43



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1238.998+/-0.462 χ^2/NDF:185091.7/4

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

Left: 1293.198+/-0.343 χ^2/NDF: 225091.1/8

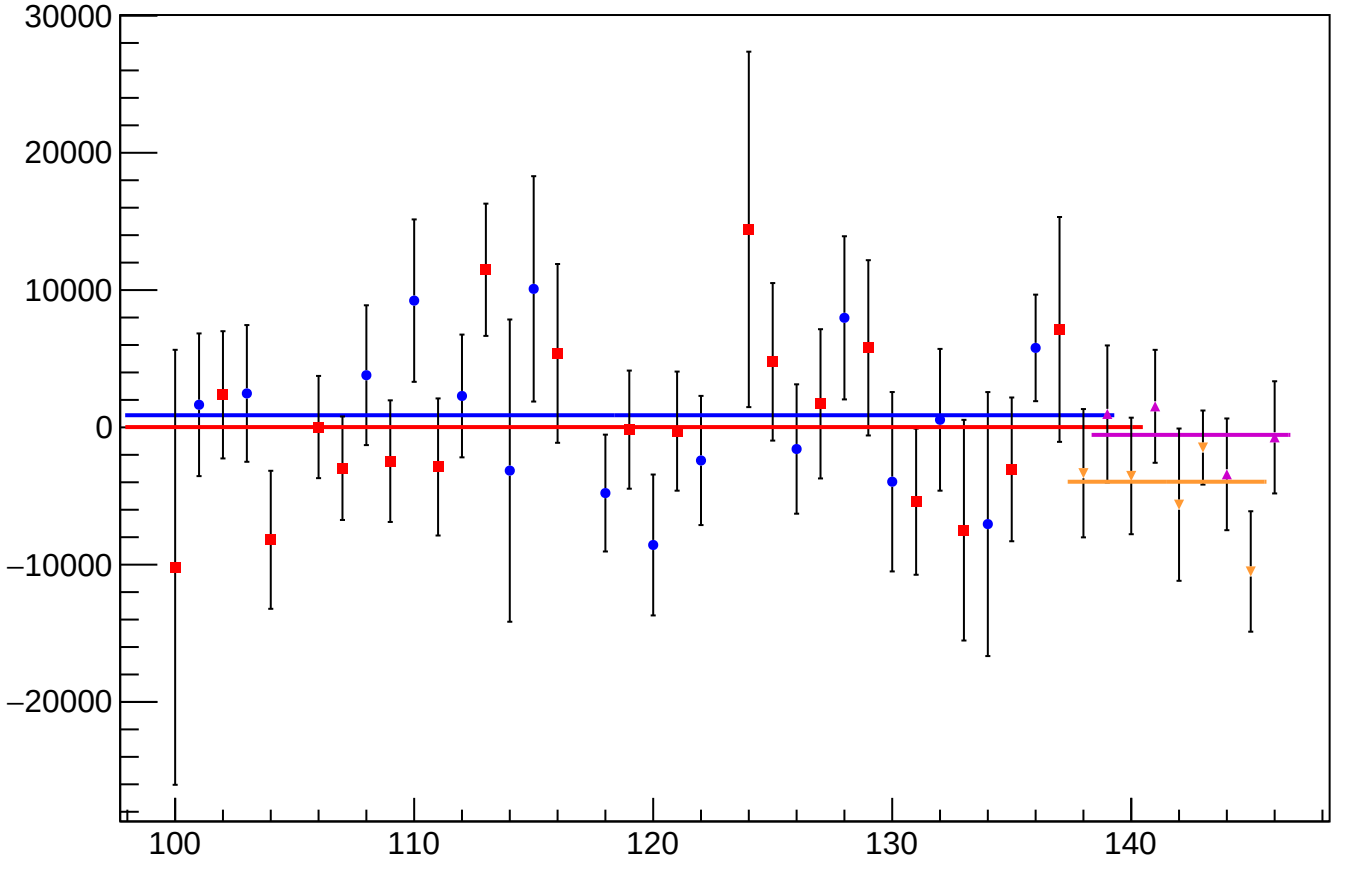
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1321.799+/-0.289 χ^2/NDF:527970.9/19

Out: 1276.889+/-0.275 χ^2/NDF:408632.3/23

All: 1298.294+/-0.199 χ^2/NDF: 949276.6/43

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3960.020+/-1758.978 χ^2/NDF:3.2/4

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -547.025+/-2134.009 χ^2/NDF:0.9/3

Left: -2579.290+/-1357.322 χ^2/NDF: 5.6/8

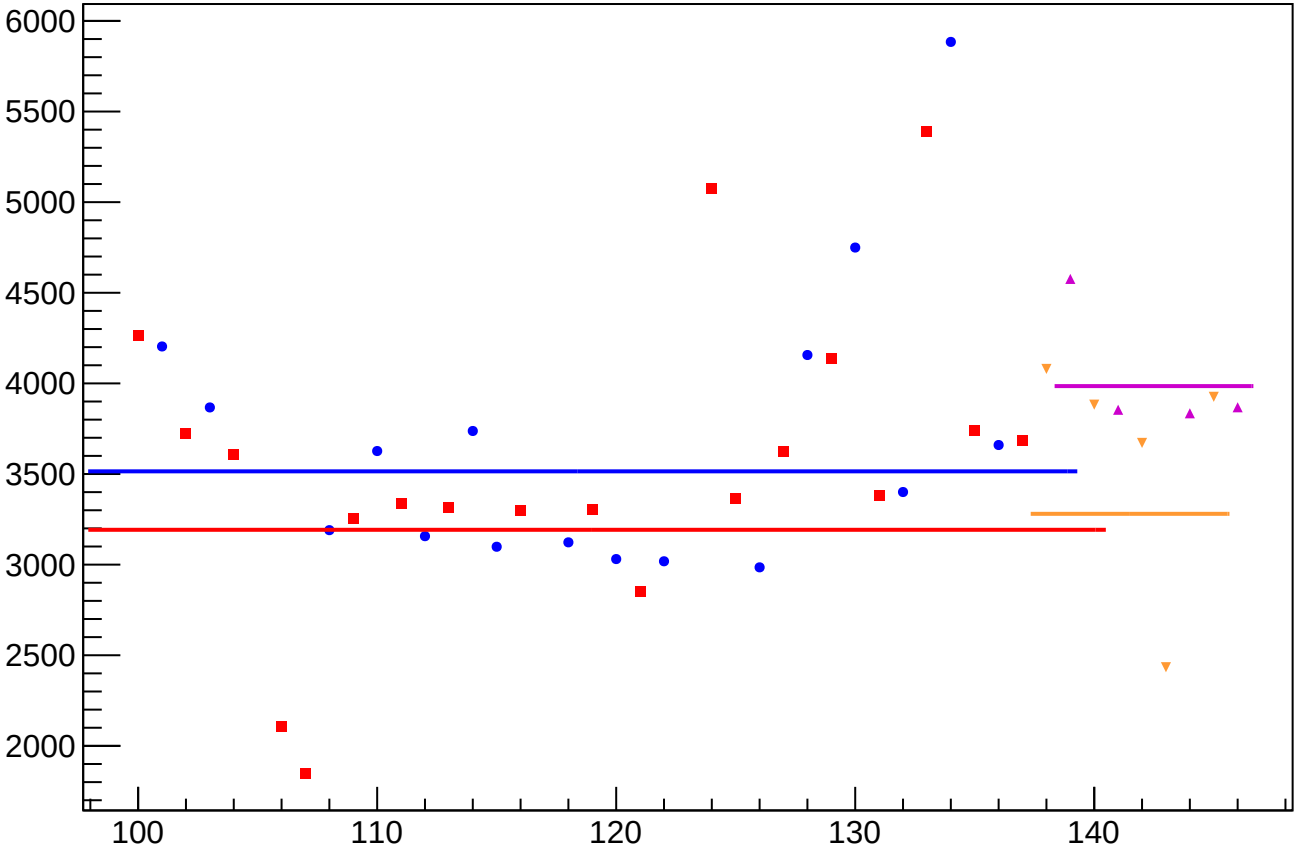
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 484.825+/-1127.138 χ^2/NDF:15.3/19

Out: -1243.611+/-991.298 χ^2/NDF:23.5/23

All: -489.771+/-744.372 χ^2/NDF: 40.1/43

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: 3280.329+/-1.244 χ^2/NDF:349008.8/4

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3985.086+/-1.509 χ^2/NDF:34488.6/3

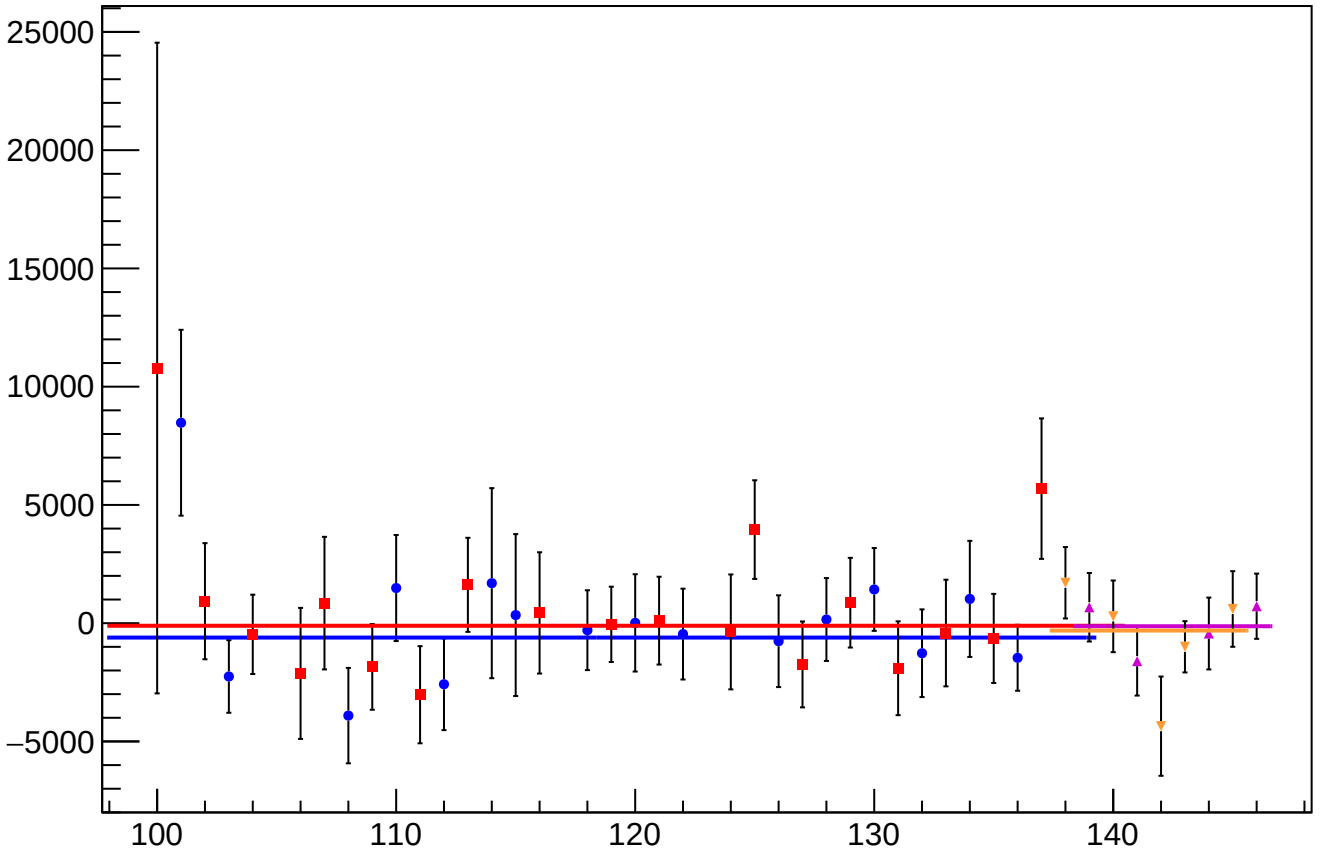
Left: 3565.439+/-0.960 χ^2/NDF: 513383.0/8

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3645.958+/-0.797 χ^2/NDF:479618.2/19

Out: 3220.193+/-0.701 χ^2/NDF:1124930.2/23

All: 3405.886+/-0.526 χ^2/NDF: 1765460.0/43



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.700+/-653.180 χ^2/NDF:6.4/4

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -129.179+/-723.926 χ^2/NDF:1.8/3

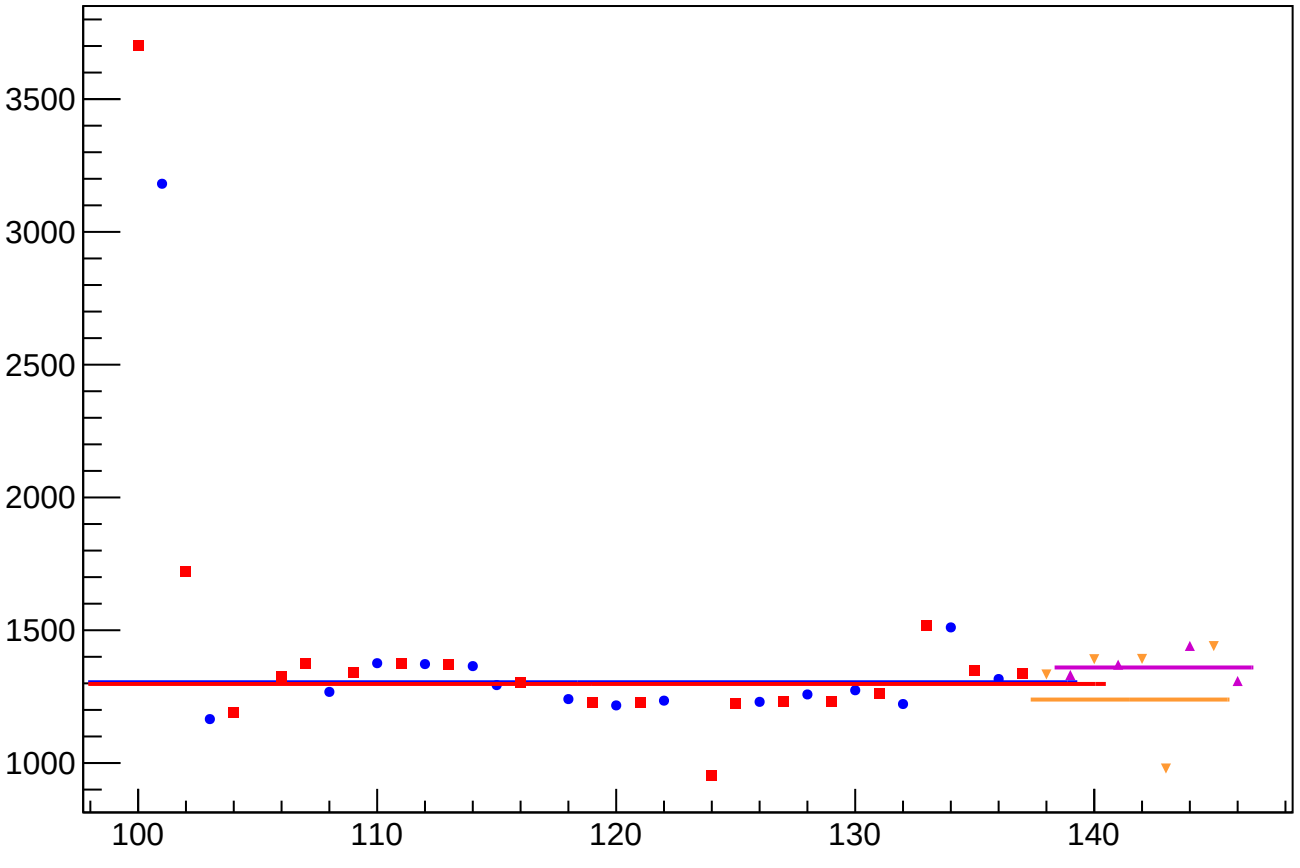
Left: -229.240+/-484.956 χ^2/NDF: 8.2/8

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -455.684+/-408.150 χ^2/NDF:16.2/19

Out: -180.543+/-389.679 χ^2/NDF:21.3/23

All: -311.747+/-281.849 χ^2/NDF: 37.7/43



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1238.999+/-0.462 χ^2/NDF:185092.0/4

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

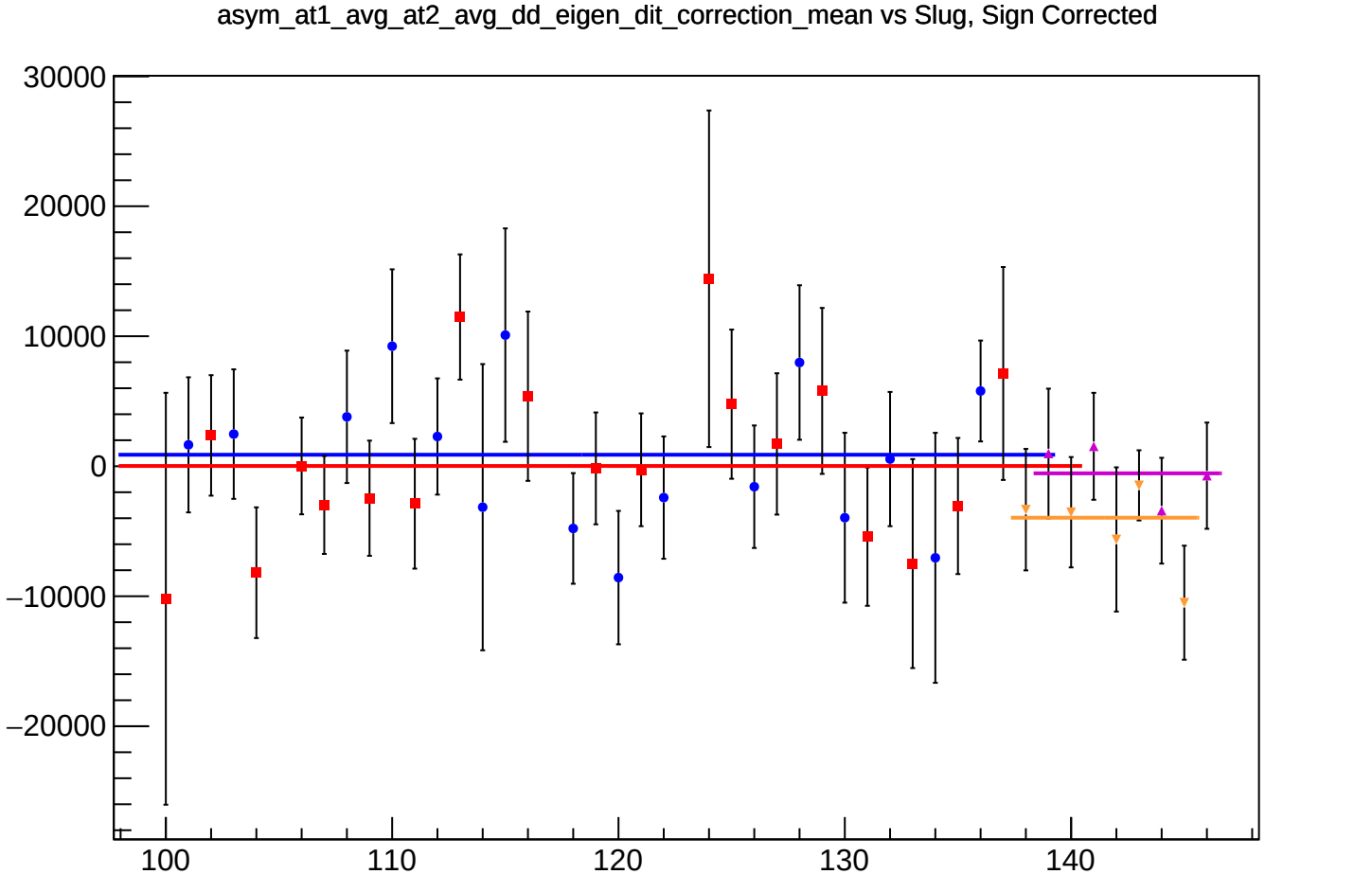
Left: 1293.199+/-0.343 χ^2/NDF: 225091.4/8

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1321.799+/-0.289 χ^2/NDF:527971.4/19

Out: 1276.889+/-0.275 χ^2/NDF:408632.3/23

All: 1298.294+/-0.199 χ^2/NDF: 949277.1/43



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -3960.025+/-1758.981 χ^2/NDF:3.2/4

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -547.021+/-2134.013 χ^2/NDF:0.9/3

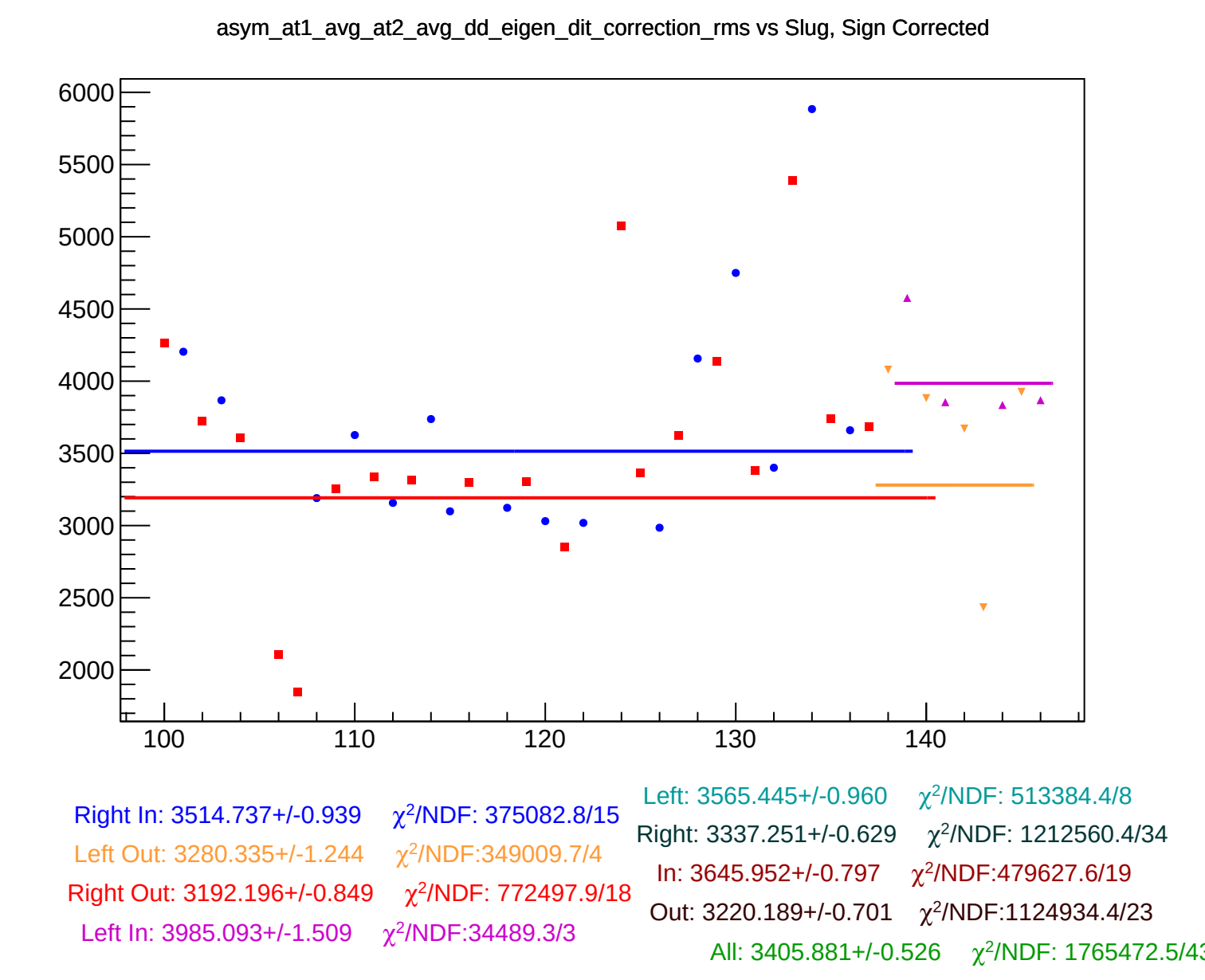
Left: -2579.291+/-1357.324 χ^2/NDF: 5.6/8

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

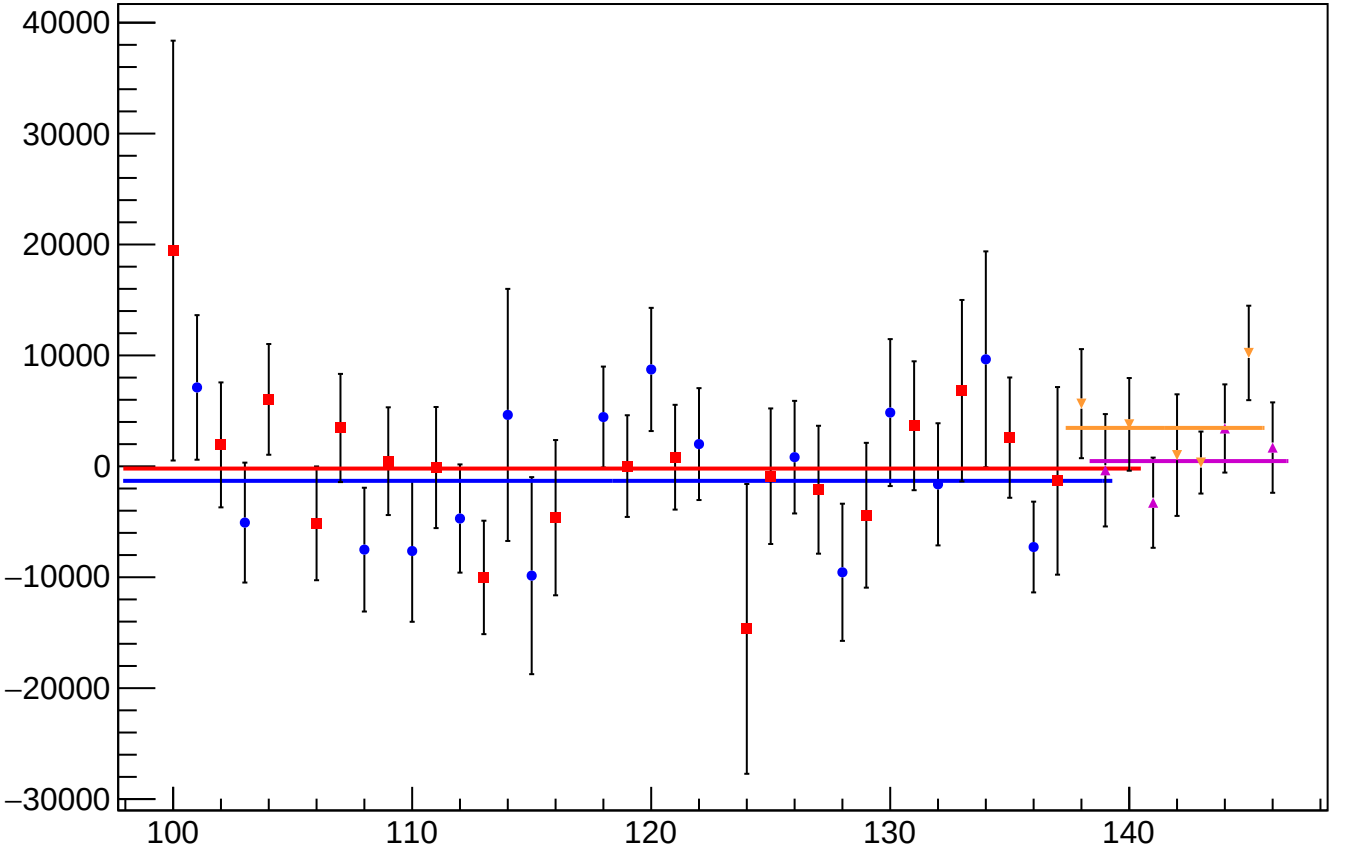
In: 484.820+/-1127.137 χ^2/NDF:15.3/19

Out: -1243.608+/-991.297 χ^2/NDF:23.5/23

All: -489.771+/-744.371 χ^2/NDF: 40.1/43


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3280.335+/-1.244 χ²/NDF:349009.7/4
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 3985.093+/-1.509 χ²/NDF:34489.3/3
Left: 3565.445+/-0.960 χ²/NDF: 513384.4/8
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3645.952+/-0.797 χ²/NDF:479627.6/19
Out: 3220.189+/-0.701 χ²/NDF:1124934.4/23
All: 3405.881+/-0.526 χ²/NDF: 1765472.5/43

asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 3463.991+/-1781.602 χ^2/NDF:4.2/4

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 473.106+/-2118.256 χ^2/NDF:1.5/3

Left: 2224.826+/-1363.462 χ^2/NDF: 6.9/8

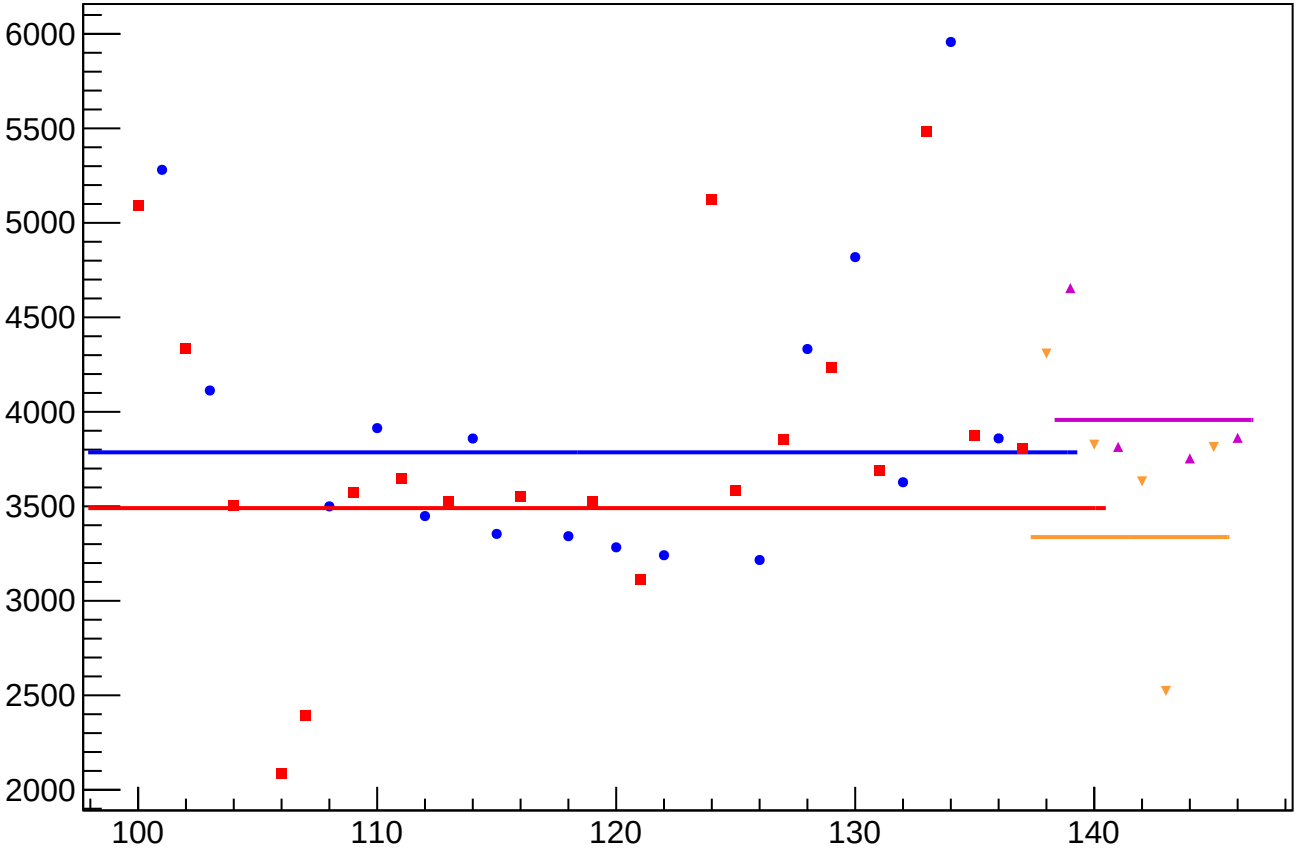
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -750.457+/-1186.132 χ^2/NDF:19.6/19

Out: 1117.841+/-1068.890 χ^2/NDF:18.5/23

All: 280.565+/-794.043 χ^2/NDF: 39.5/43

asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3337.348+/-1.260 χ^2/NDF:305909.8/4

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

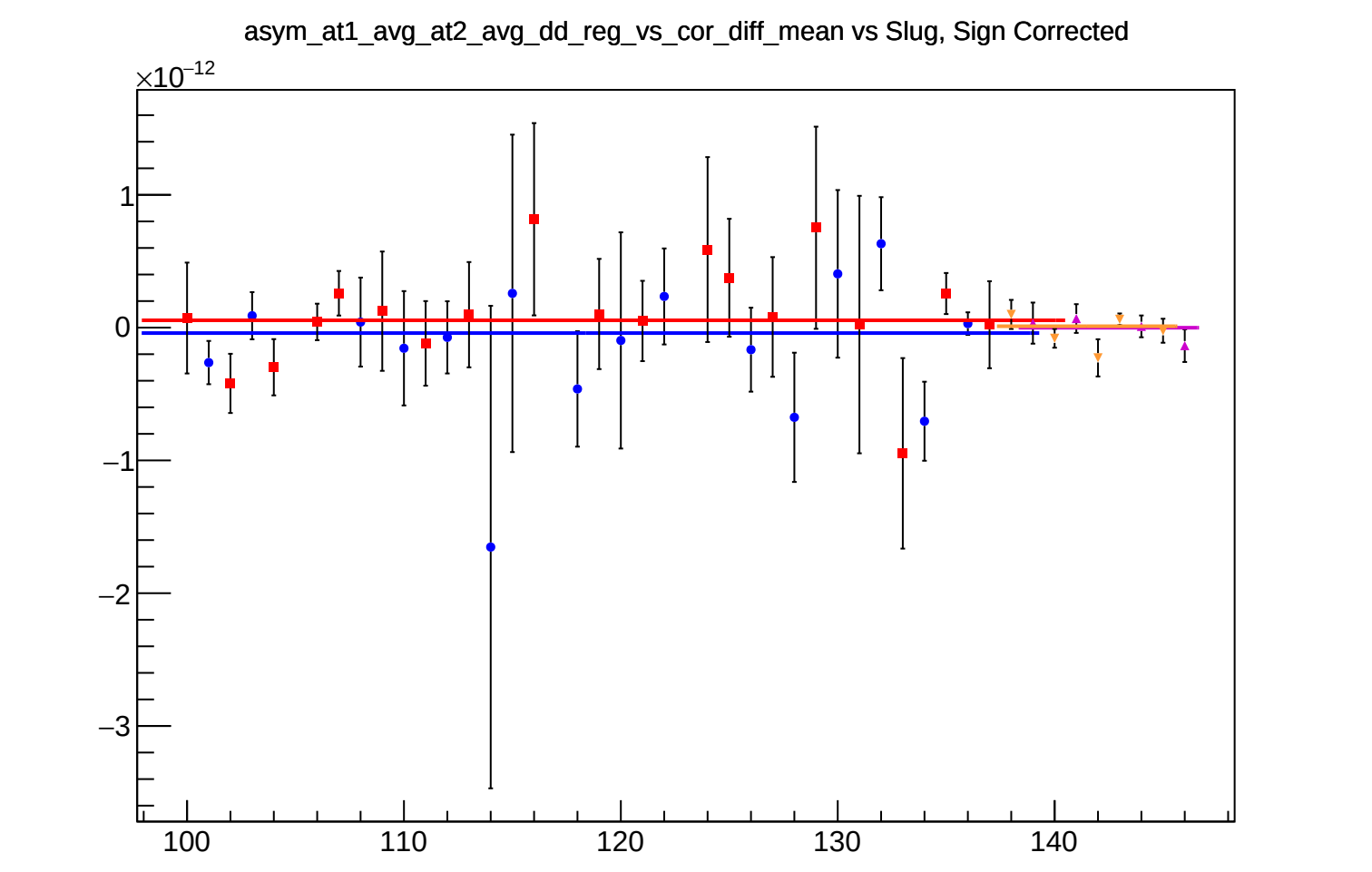
Left: 3594.176+/-0.964 χ^2/NDF: 452953.9/8

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3839.535+/-0.839 χ^2/NDF:438717.7/19

Out: 3436.411+/-0.749 χ^2/NDF:902191.7/23

All: 3615.313+/-0.559 χ^2/NDF: 1469404.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

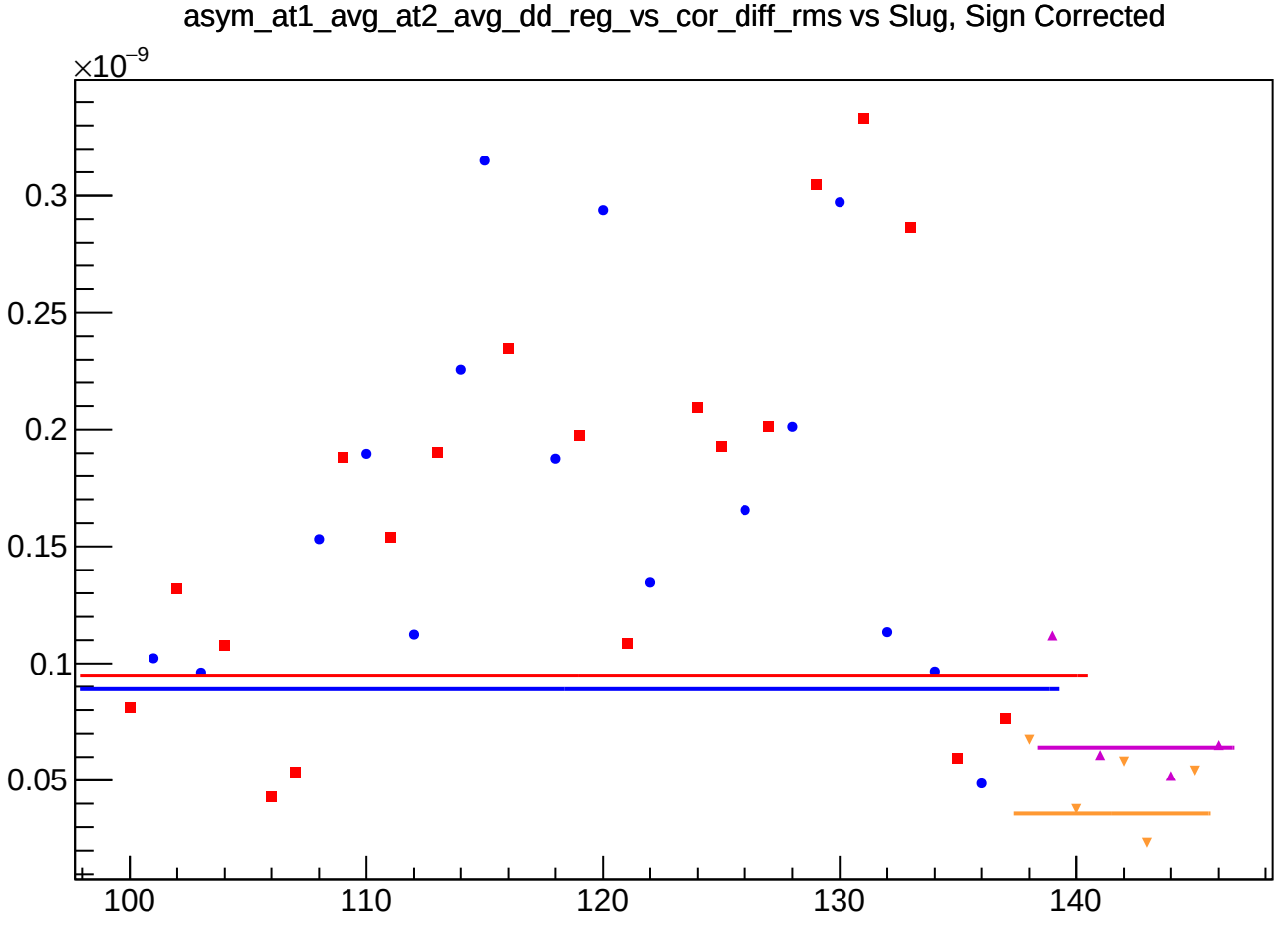
Left: 0.000+/-0.000 χ^2/NDF: 8.4/8

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:18.6/19

Out: 0.000+/-0.000 χ^2/NDF:23.0/23

All: 0.000+/-0.000 χ^2/NDF: 42.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:462218.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

Left: 0.000+/-0.000 χ^2/NDF: 1103747.9/8

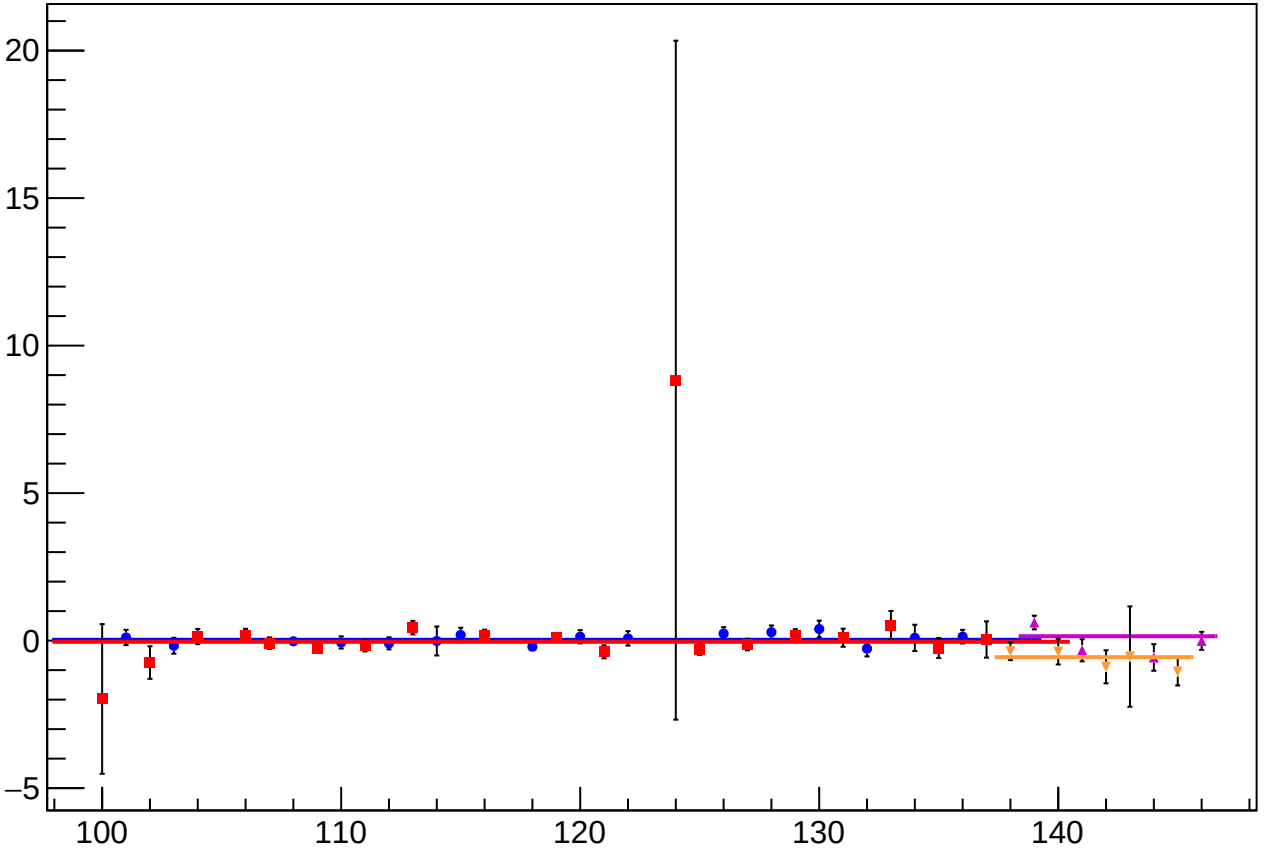
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1892769.8/19

Out: 0.000+/-0.000 χ^2/NDF:3557685.9/23

All: 0.000+/-0.000 χ^2/NDF: 6091733.0/43

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: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

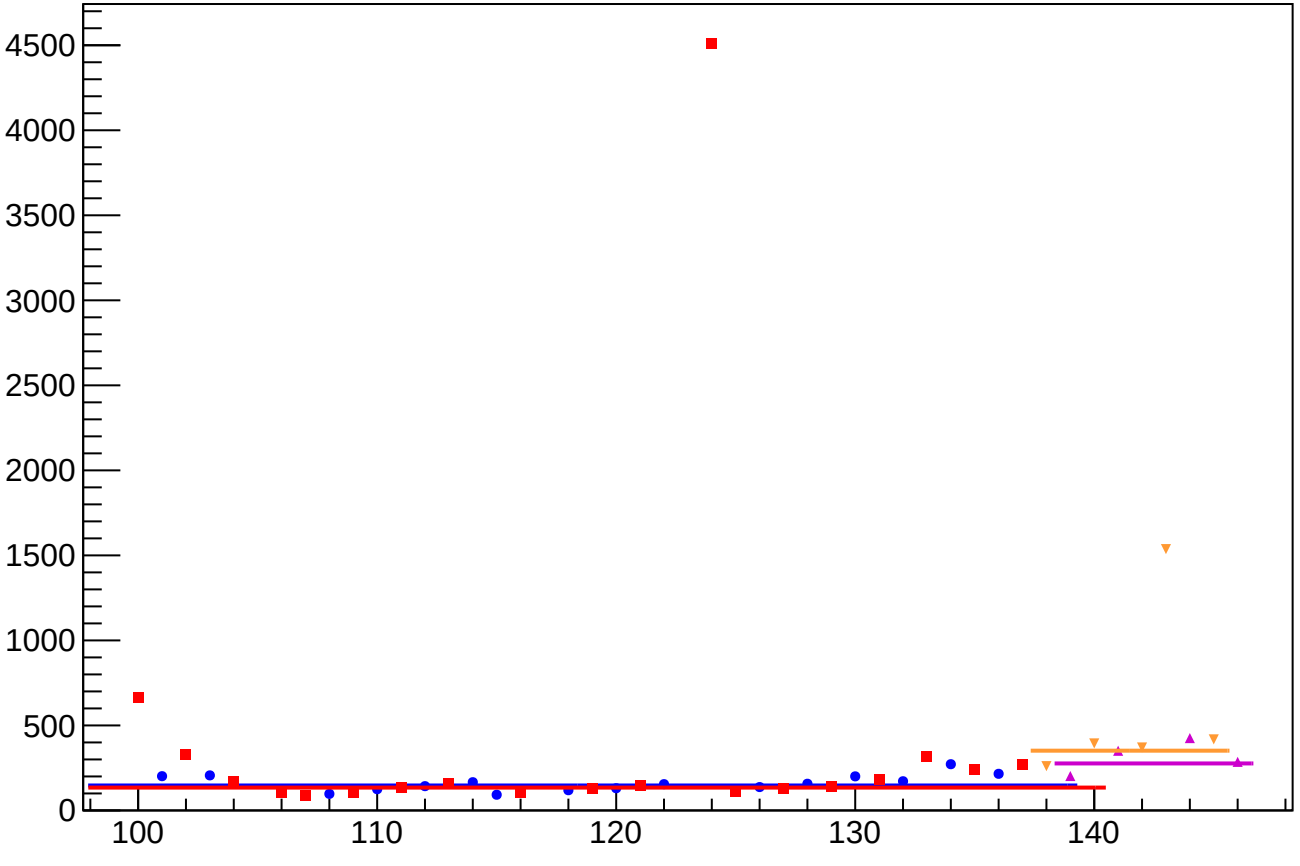
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.544+/-0.144 χ^2/NDF:1213708.4/4

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

Left: 304.291+/-0.087 χ^2/NDF: 1887971.3/8

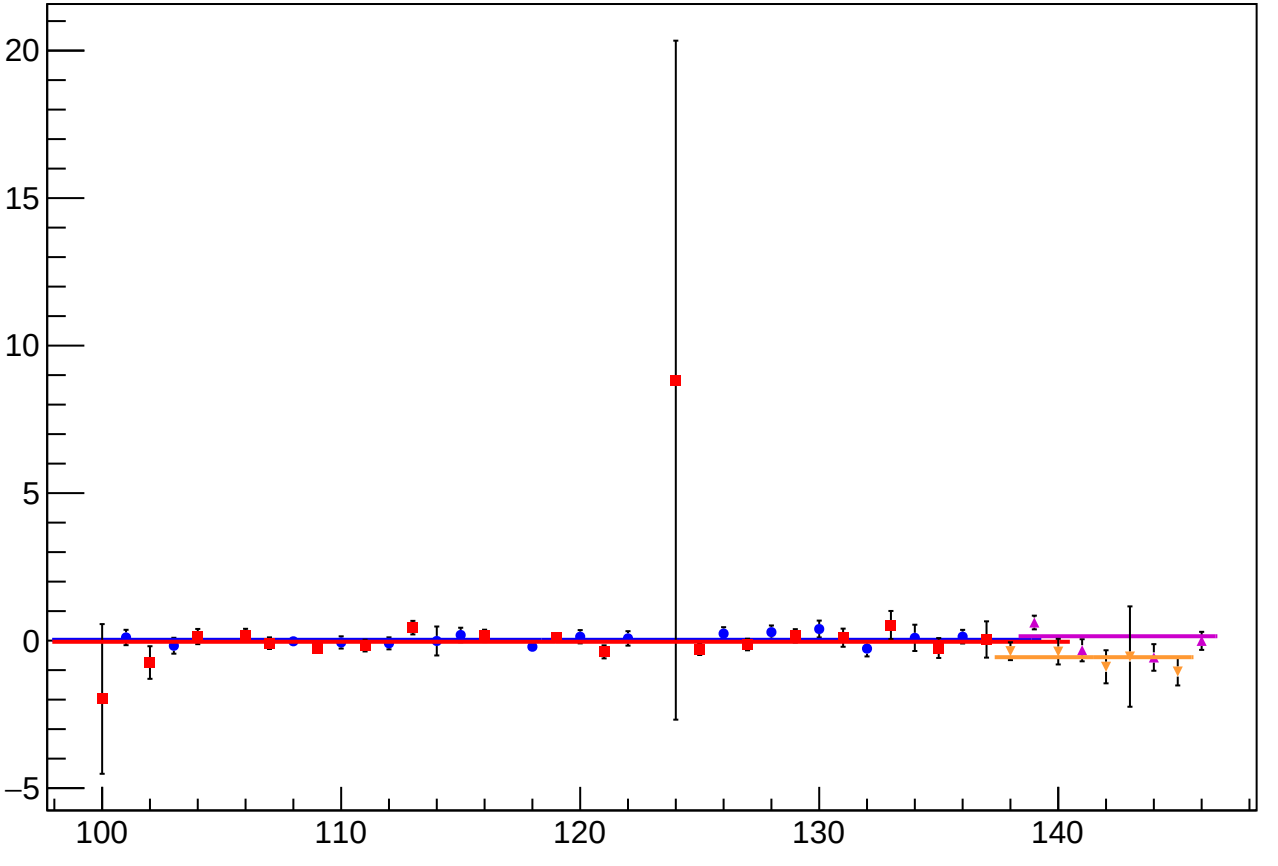
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 149.236+/-0.037 χ^2/NDF:4951143.7/23

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43

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: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

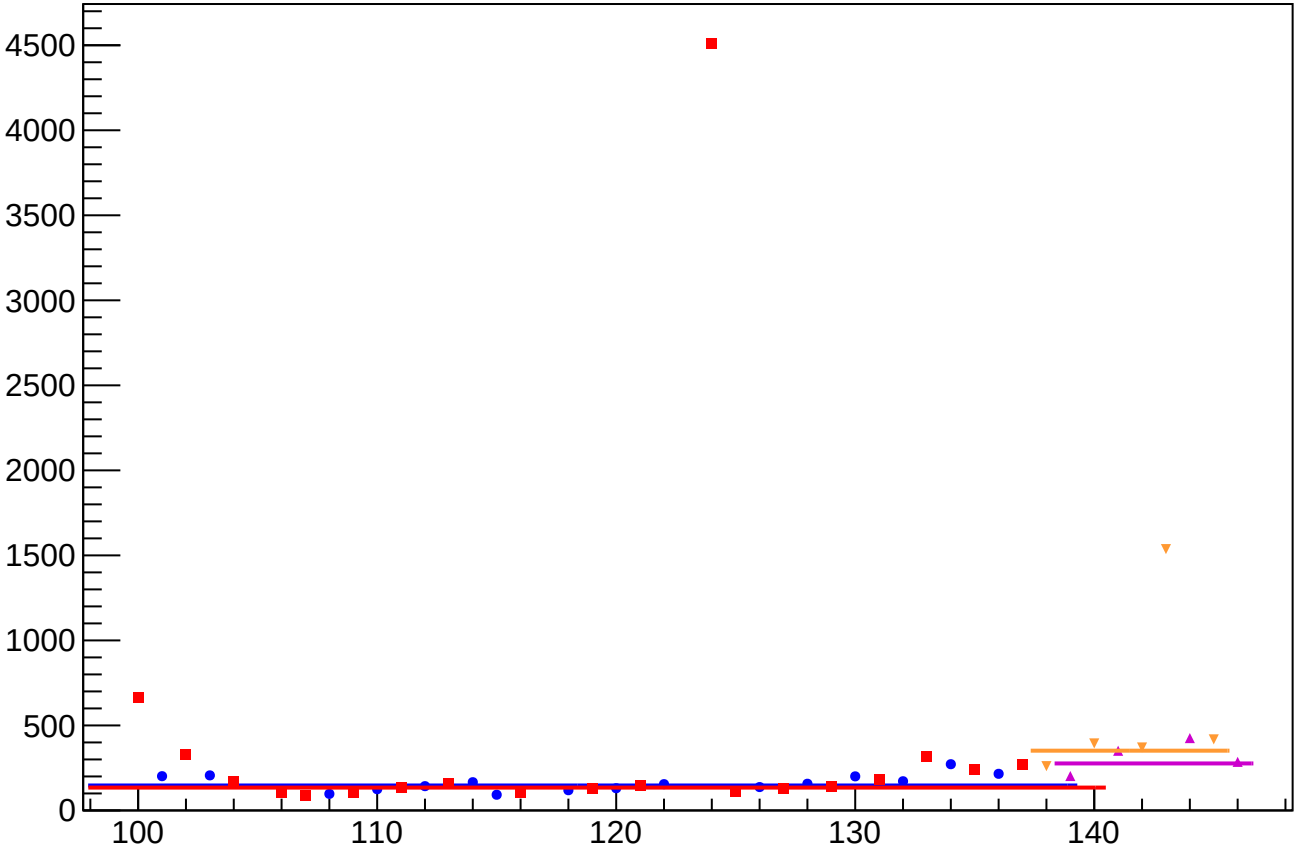
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.544+/-0.144 χ^2/NDF:1213708.4/4

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

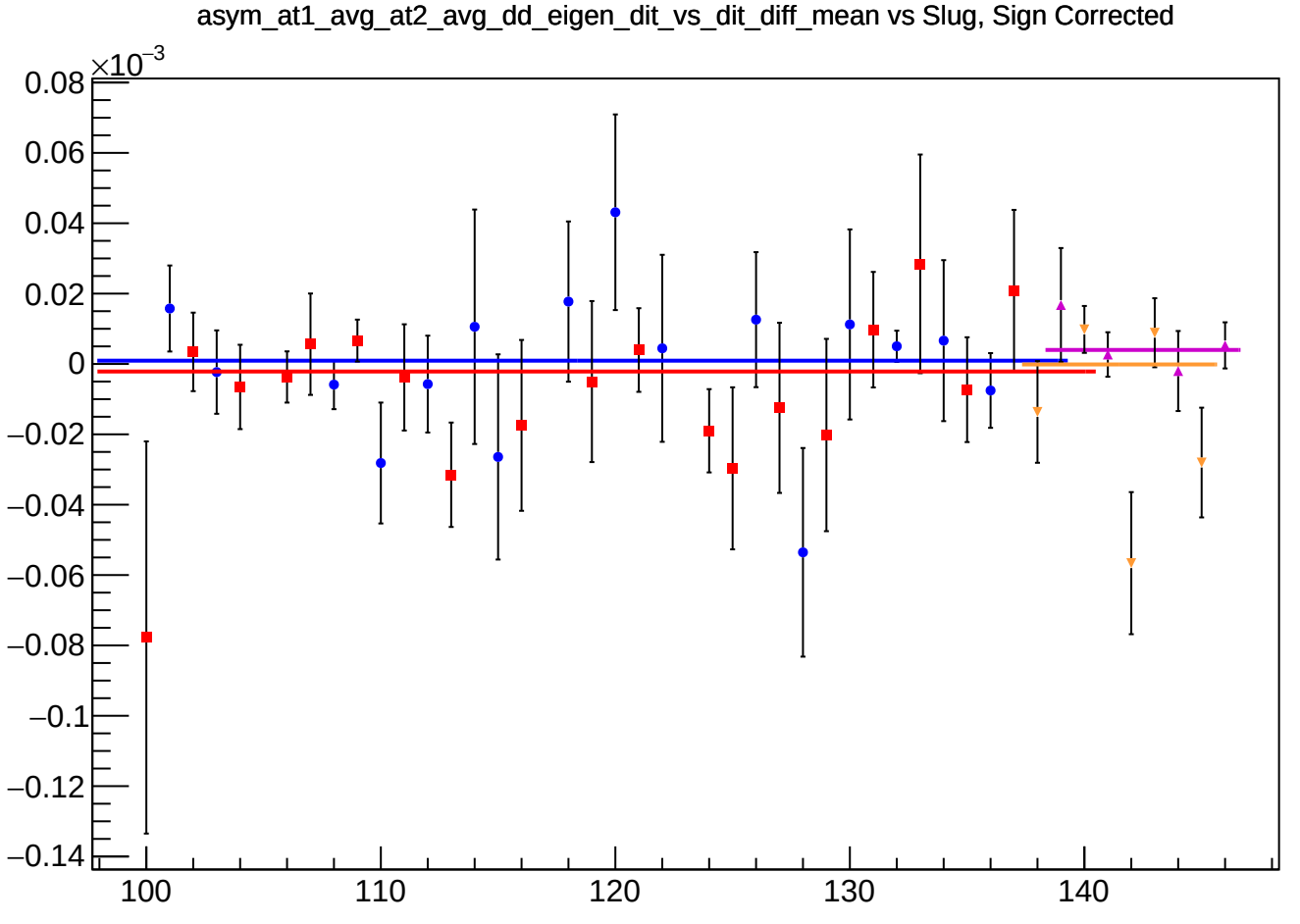
Left: 304.291+/-0.087 χ^2/NDF: 1887971.3/8

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 149.236+/-0.037 χ^2/NDF:4951143.7/23

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

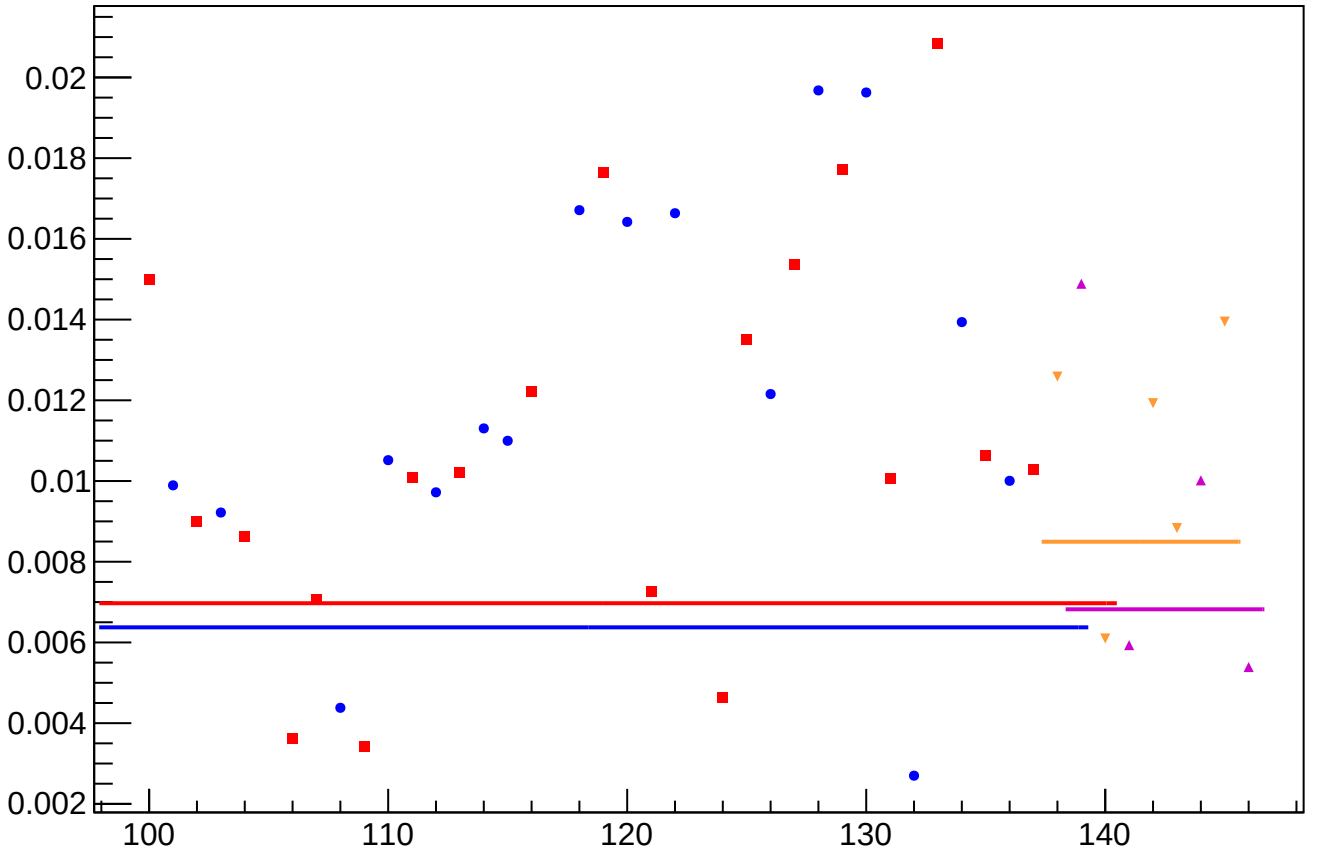
Left: 0.000+/-0.000 χ^2/NDF: 16.4/8

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:16.2/19

Out: -0.000+/-0.000 χ^2/NDF:31.1/23

All: 0.000+/-0.000 χ^2/NDF: 48.4/43



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:723659.6/4

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:788404.7/3

Left: 0.008+/-0.000 χ^2/NDF: 1654651.4/8

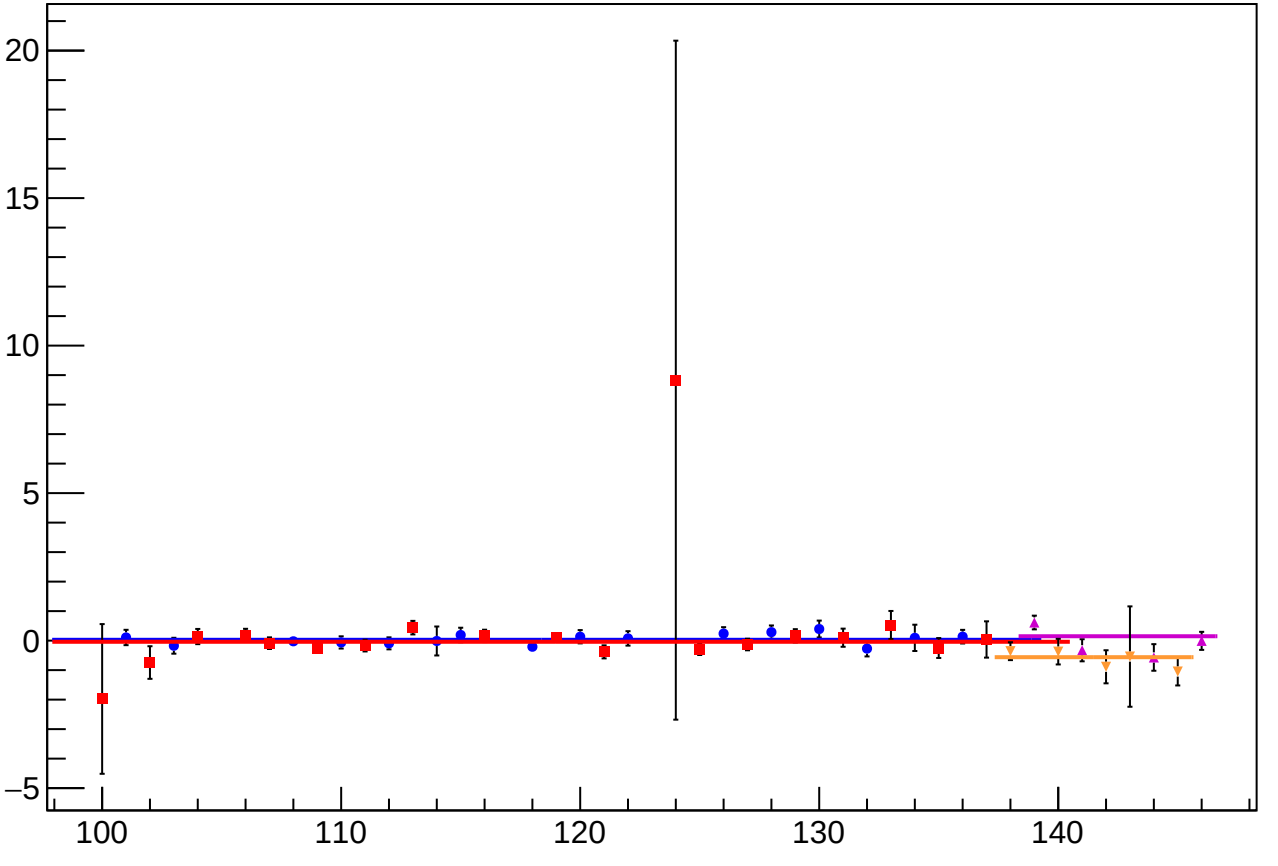
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5443979.9/19

Out: 0.007+/-0.000 χ^2/NDF:4280195.8/23

All: 0.007+/-0.000 χ^2/NDF: 9852582.6/43

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: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

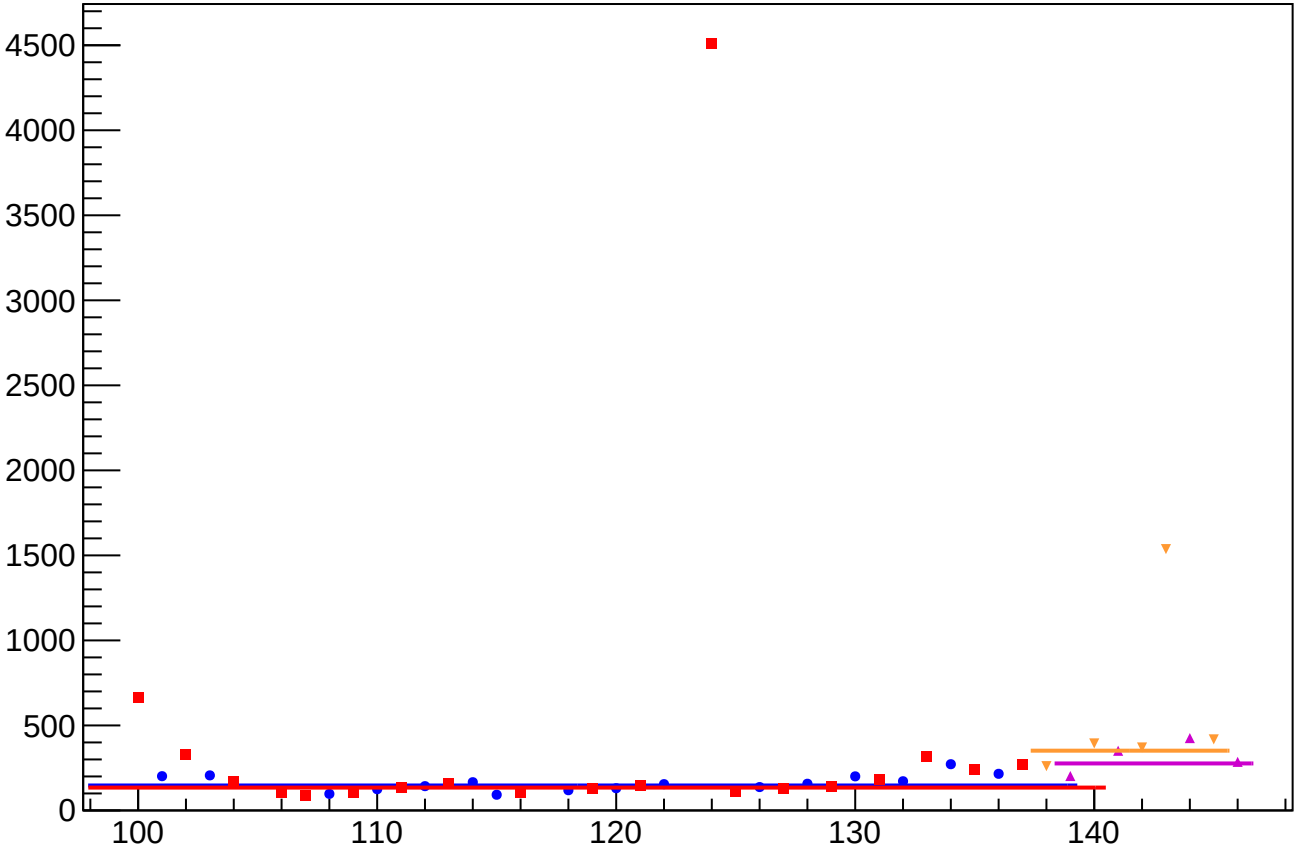
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.549+/-0.144 χ^2/NDF:1213701.1/4

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

Left: 304.295+/-0.087 χ^2/NDF: 1887941.7/8

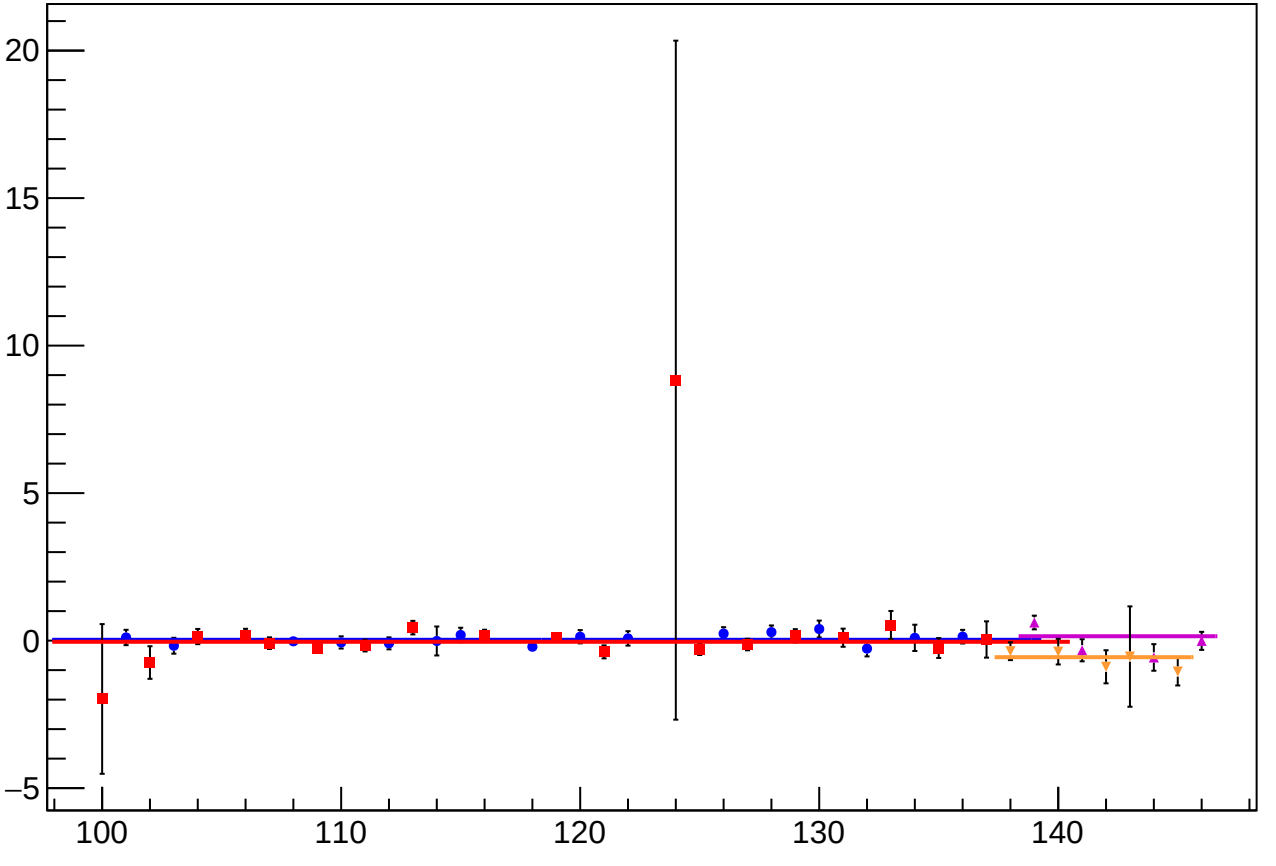
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 149.238+/-0.037 χ^2/NDF:4951078.9/23

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43

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: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

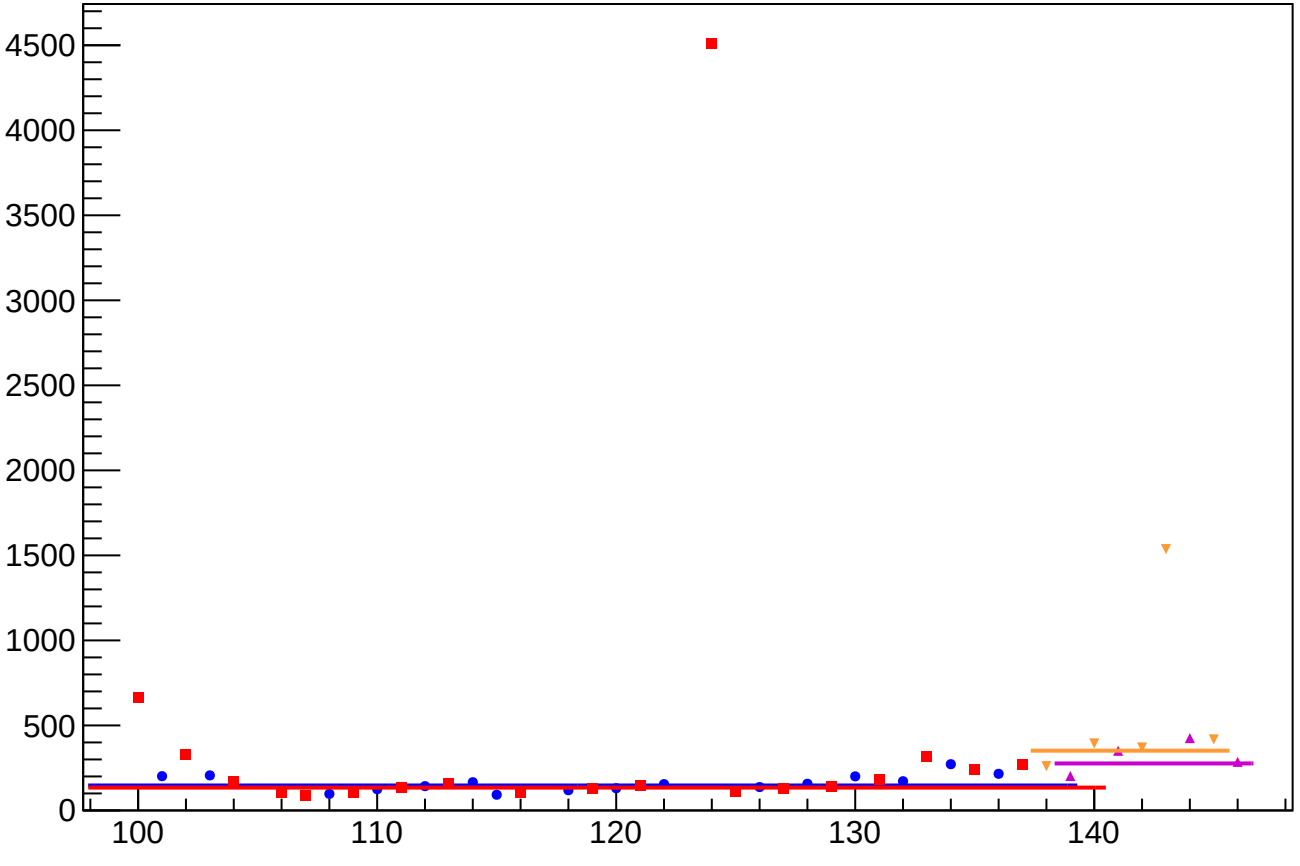
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.549+/-0.144 χ^2/NDF:1213701.1/4

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

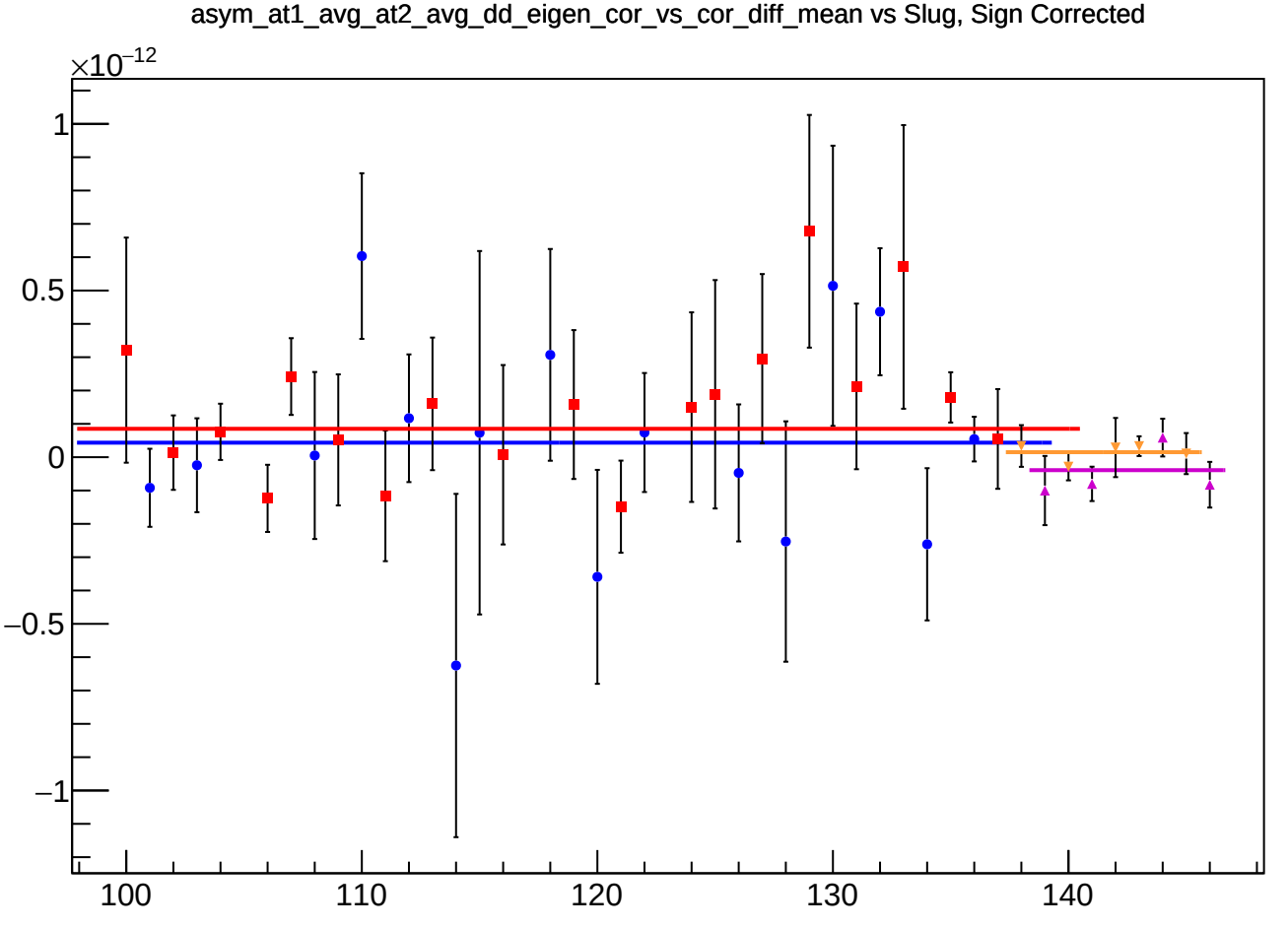
Left: 304.295+/-0.087 χ^2/NDF: 1887941.7/8

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 149.238+/-0.037 χ^2/NDF:4951078.9/23

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/3

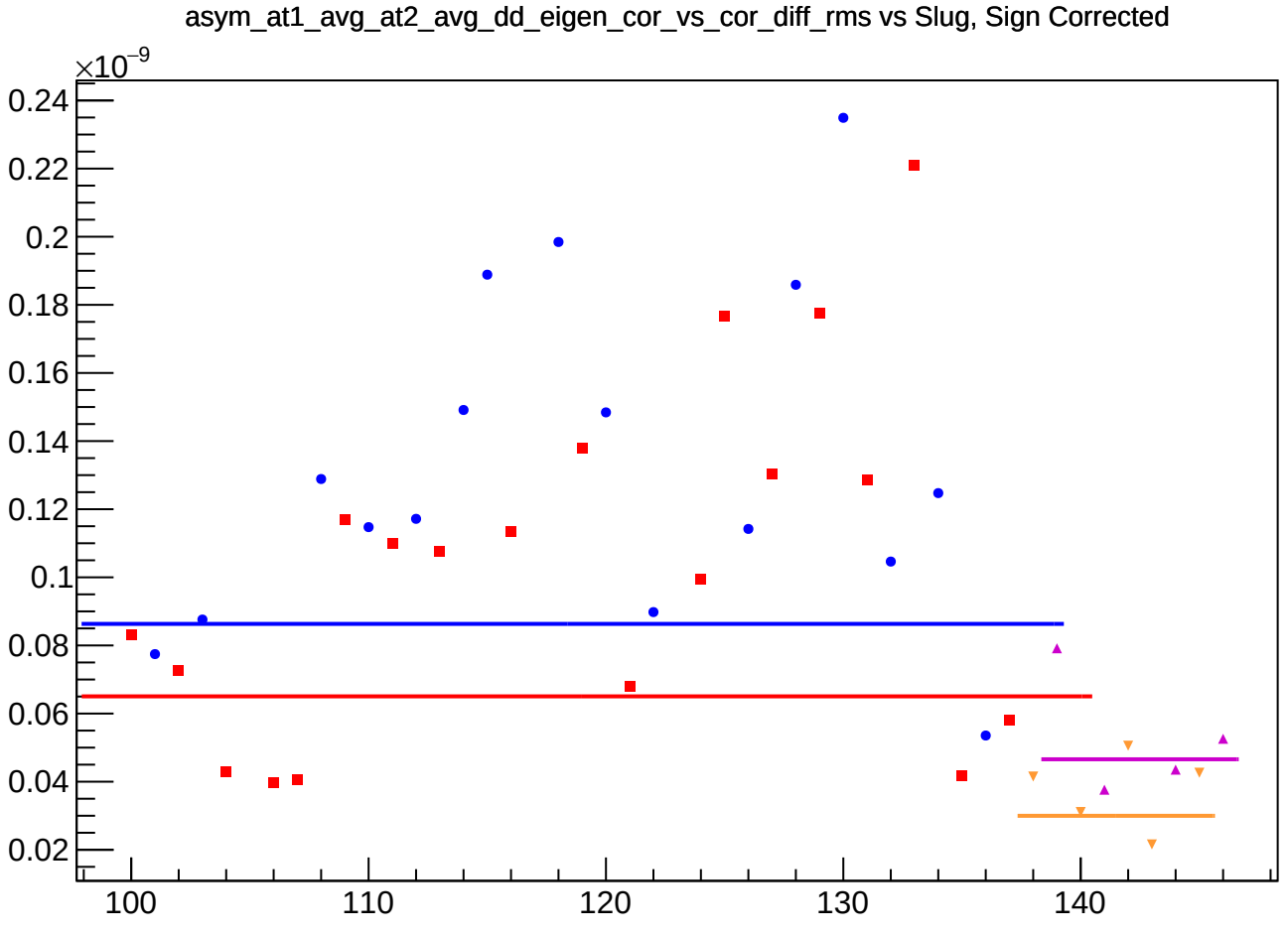
Left: -0.000+/-0.000 χ^2/NDF: 8.0/8

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/19

Out: 0.000+/-0.000 χ^2/NDF:22.9/23

All: 0.000+/-0.000 χ^2/NDF: 50.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:422011.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

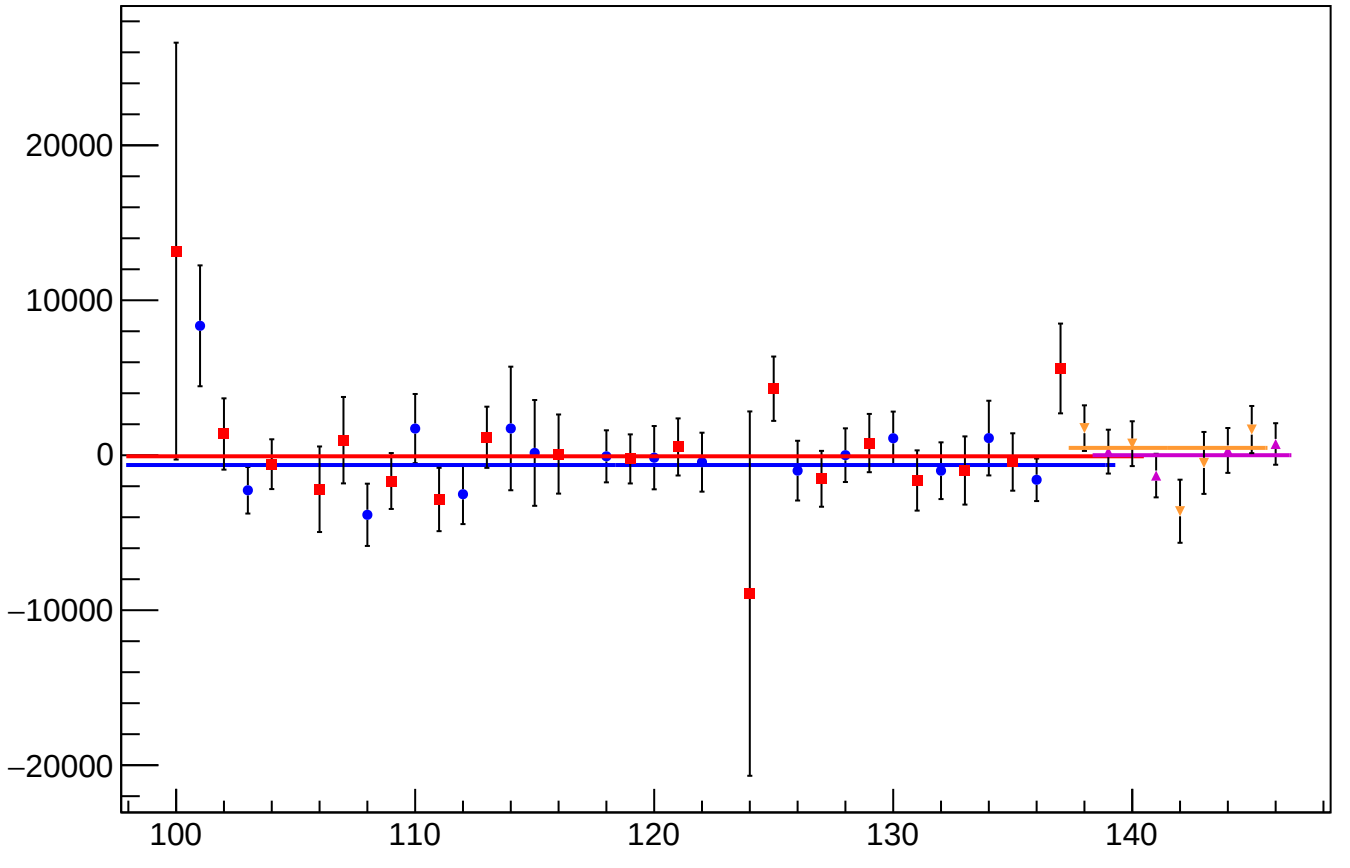
Left: 0.000+/-0.000 χ^2/NDF: 1086533.1/8

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2959604.3/19

Out: 0.000+/-0.000 χ^2/NDF:4126249.8/23

All: 0.000+/-0.000 χ^2/NDF: 8047653.1/43



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 474.644+/-732.595 χ^2/NDF:5.7/4

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 2.449+/-700.312 χ^2/NDF:1.2/3

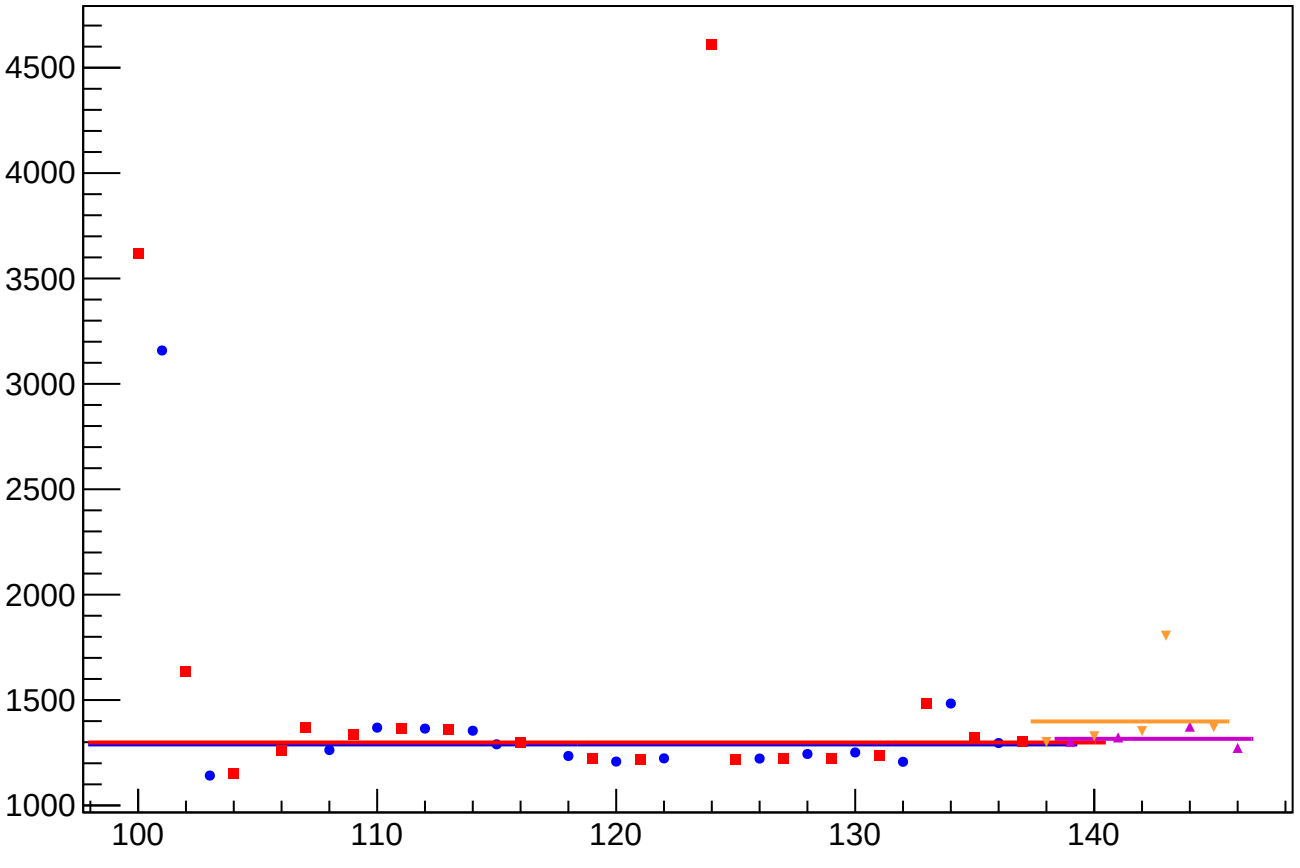
Left: 227.913+/-506.224 χ^2/NDF: 7.1/8

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -423.600+/-400.746 χ^2/NDF:15.7/19

Out: 98.914+/-406.004 χ^2/NDF:21.9/23

All: -165.748+/-285.211 χ^2/NDF: 38.4/43



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

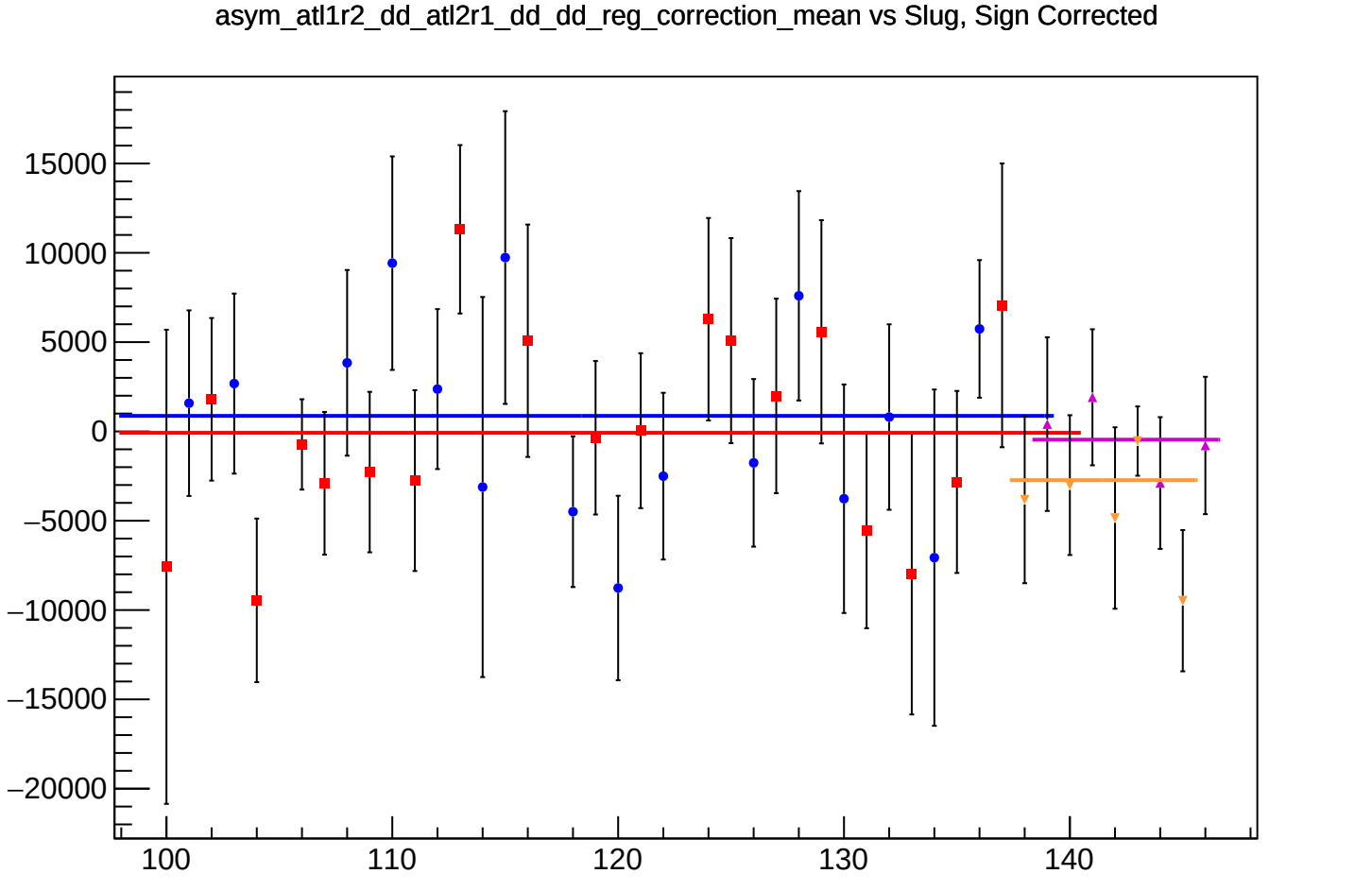
Left: 1355.350+/-0.358 χ^2/NDF: 116949.6/8

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1298.143+/-0.283 χ^2/NDF:522091.3/19

Out: 1329.195+/-0.287 χ^2/NDF:443340.7/23

All: 1313.495+/-0.201 χ^2/NDF: 971368.6/43



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2728.713+/-1444.041 χ^2/NDF:4.4/4

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -460.950+/-1990.507 χ^2/NDF:0.9/3

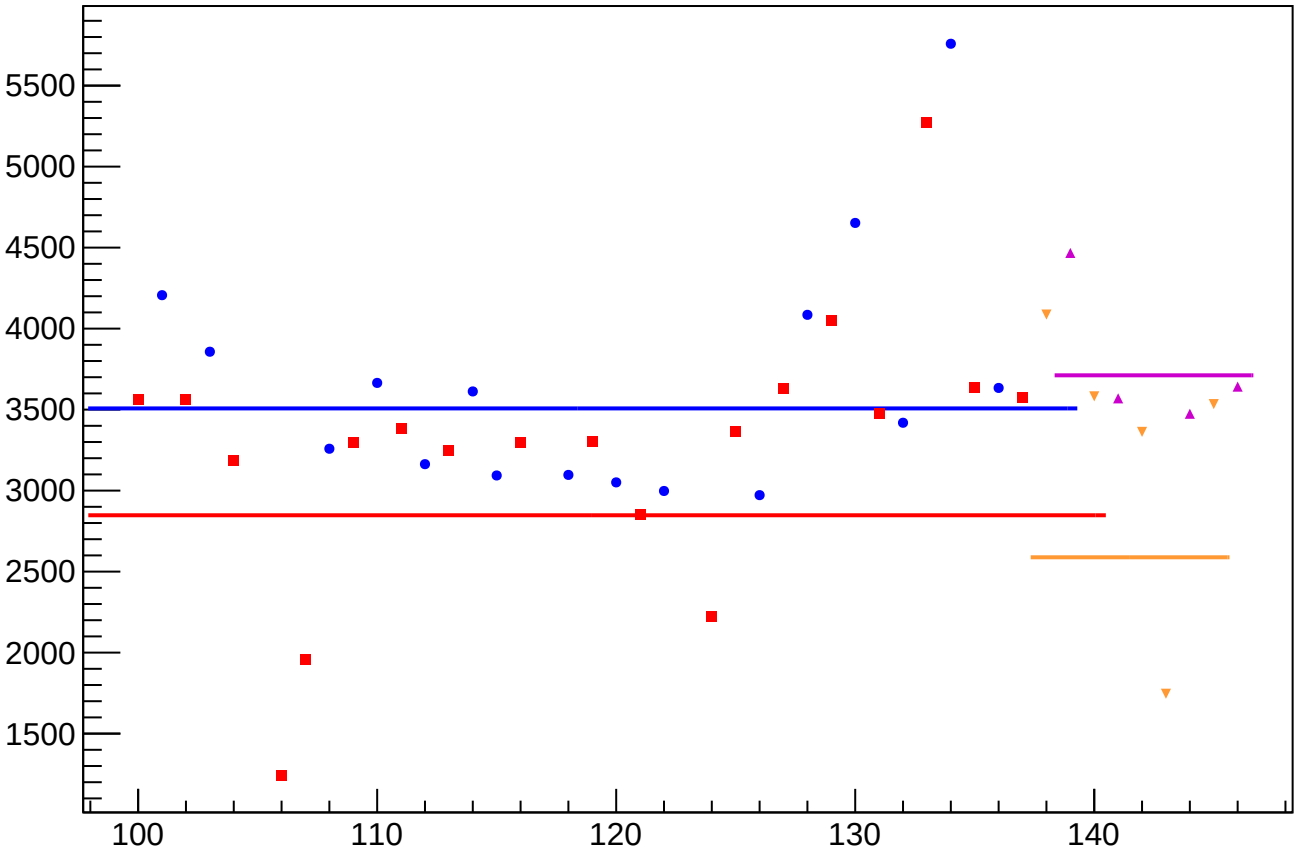
Left: -1946.743+/-1168.853 χ^2/NDF: 6.1/8

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 461.419+/-1103.139 χ^2/NDF:15.2/19

Out: -1063.275+/-880.583 χ^2/NDF:24.9/23

All: -469.859+/-688.207 χ^2/NDF: 41.3/43



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2588.366+/-1.021 χ^2/NDF:872391.5/4

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3711.715+/-1.408 χ^2/NDF:60010.5/3

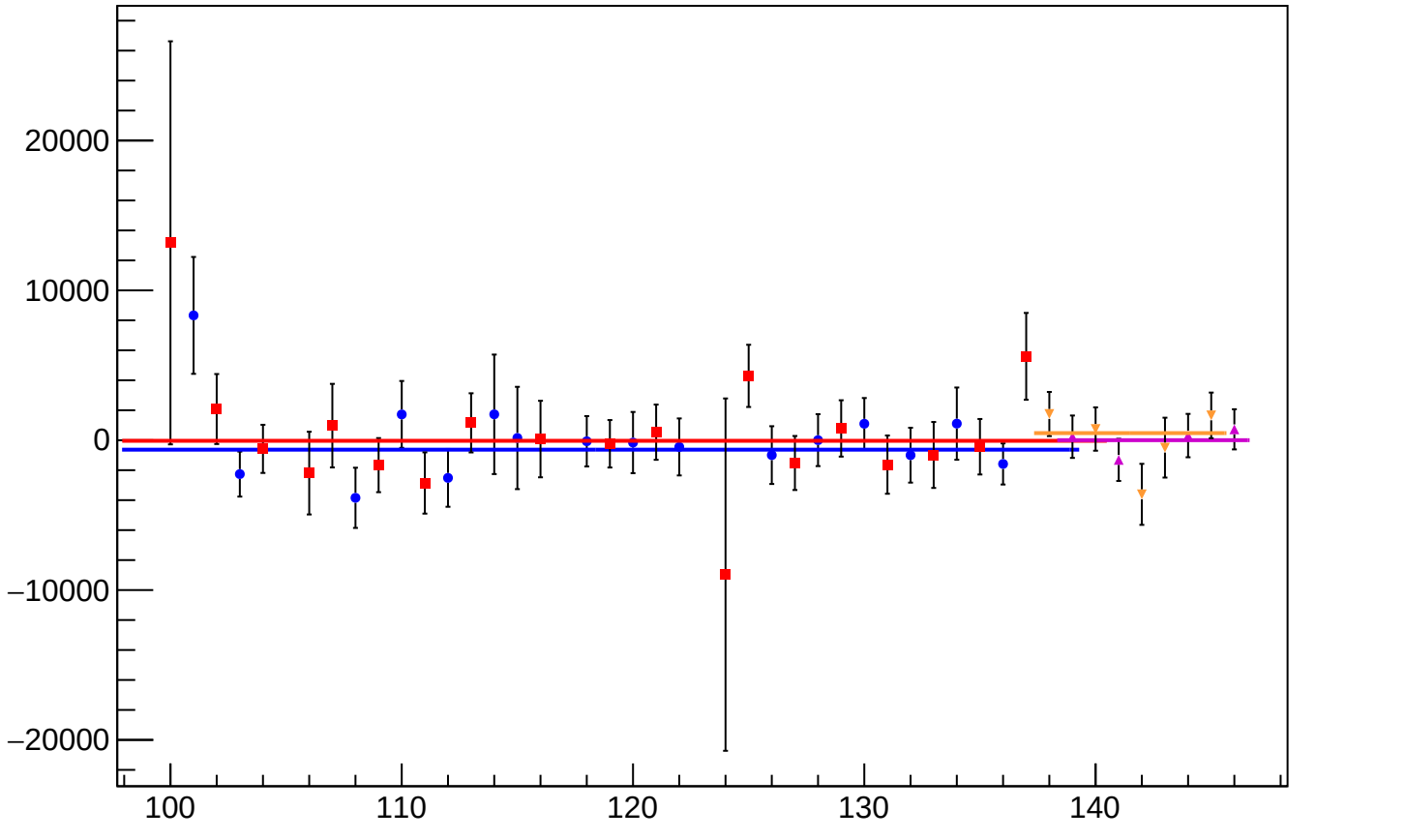
Left: 2975.719+/-0.827 χ^2/NDF: 1349745.2/8

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

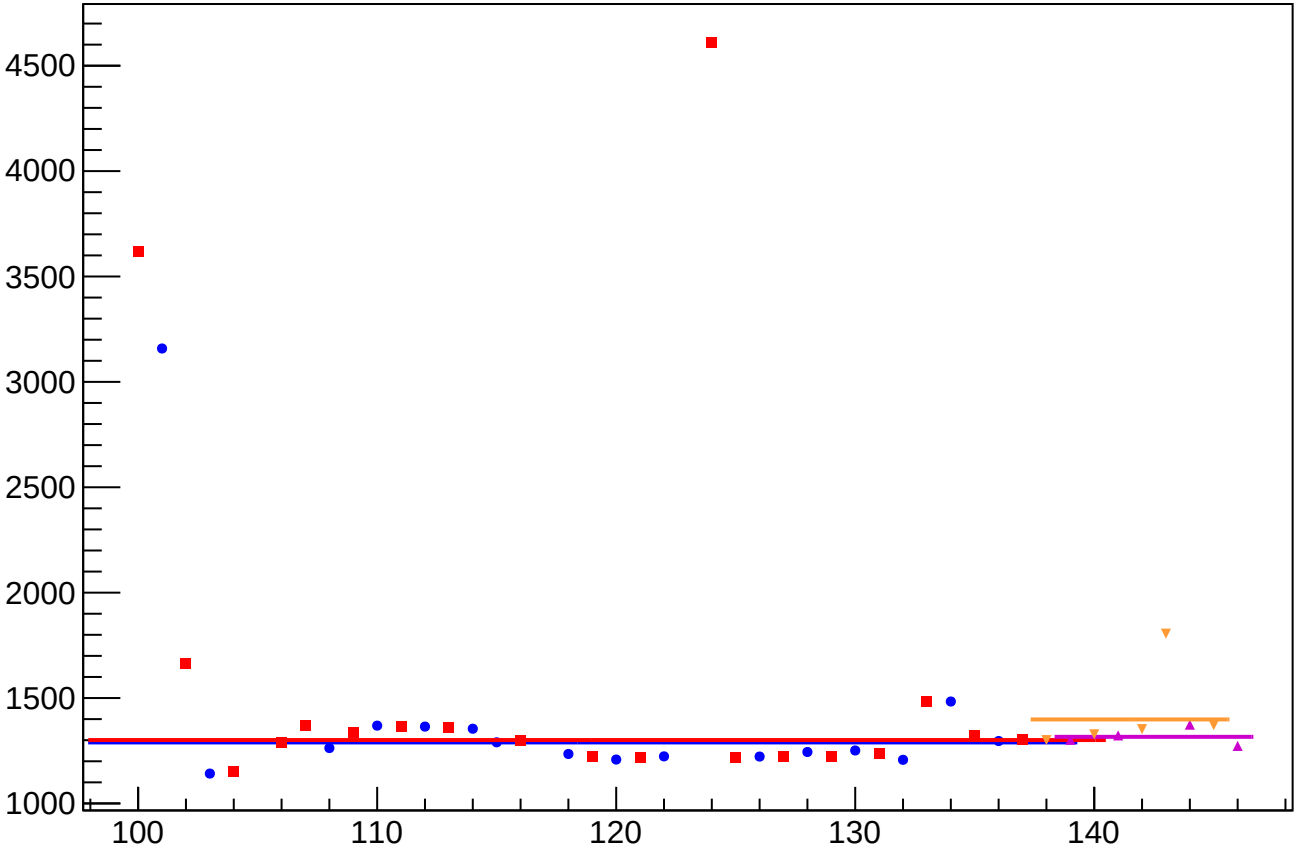
In: 3570.151+/-0.780 χ^2/NDF:428590.0/19

Out: 2751.347+/-0.623 χ^2/NDF:2412324.4/23

All: 3070.028+/-0.487 χ^2/NDF: 3513931.2/43


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 474.679+/-732.595 χ²/NDF:5.7/4
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: 2.427+/-700.312 χ²/NDF:1.2/3
Left: 227.919+/-506.224 χ²/NDF: 7.1/8
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -423.866+/-400.746 χ²/NDF:15.7/19
Out: 119.176+/-406.191 χ²/NDF:22.3/23
All: -156.009+/-285.276 χ²/NDF: 38.9/43

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

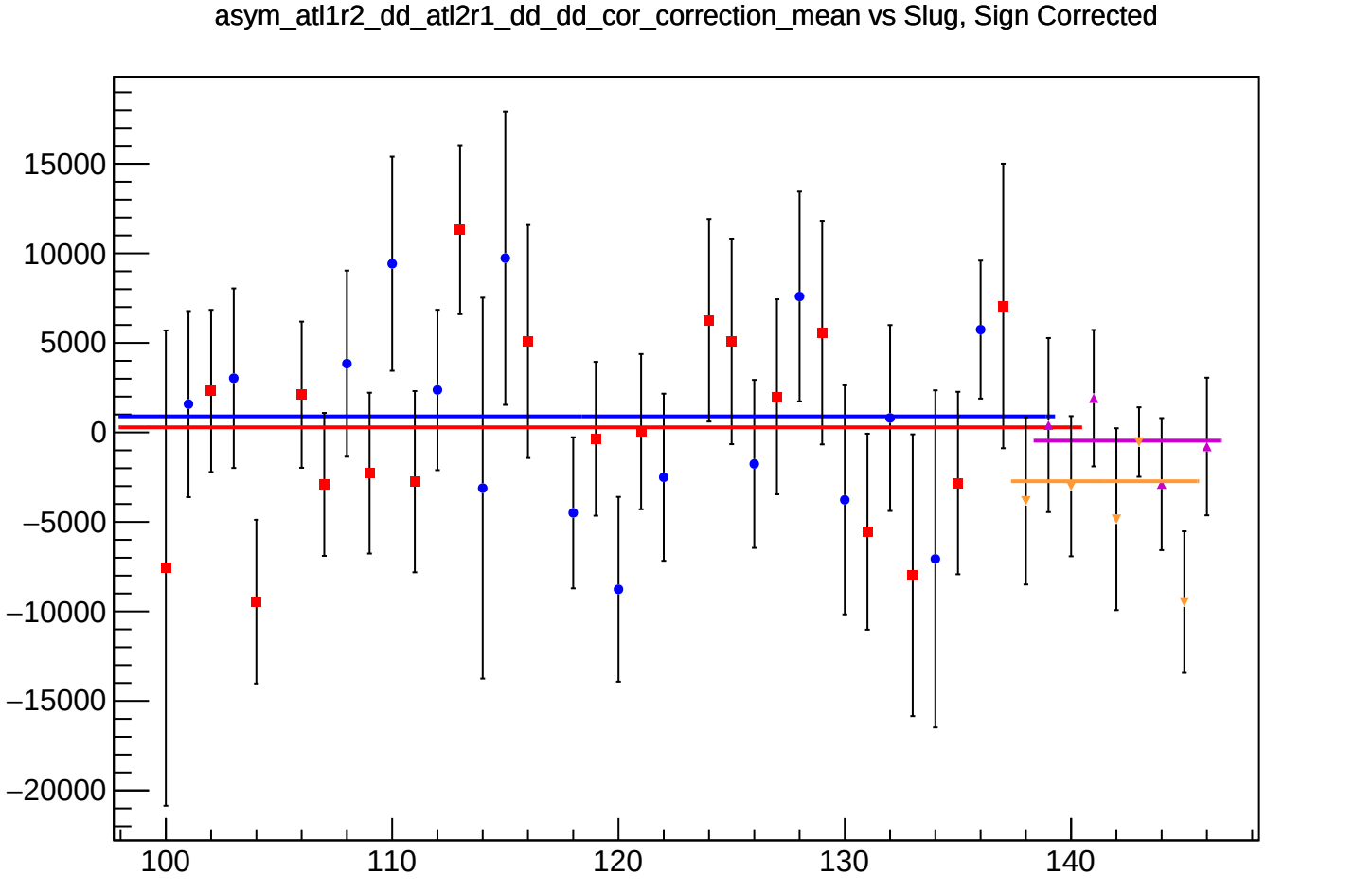
Left: 1355.350+/-0.358 χ^2/NDF: 116949.6/8

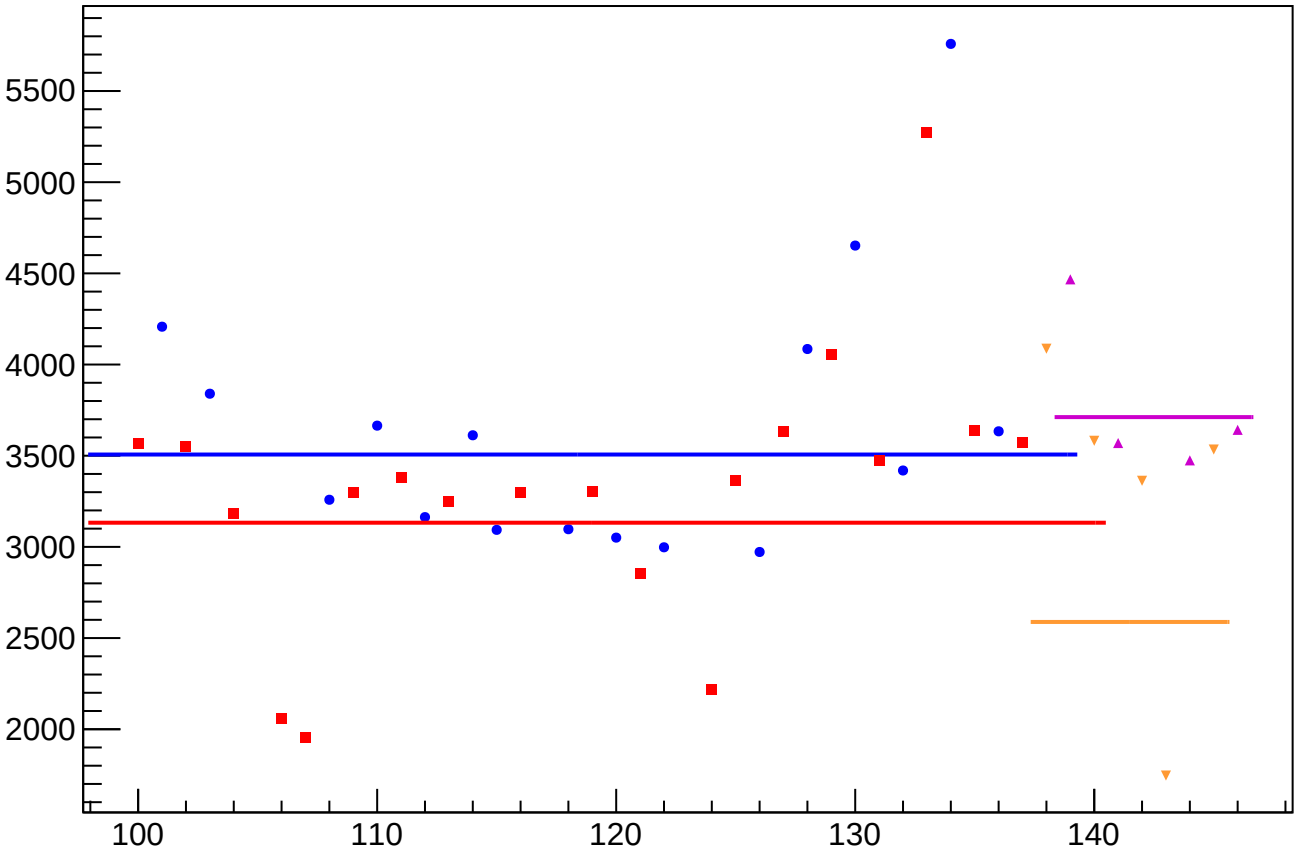
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1330.662+/-0.287 χ^2/NDF:448815.4/23

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43


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
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2728.480+/-1444.035 χ²/NDF:4.4/4
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -460.973+/-1990.504 χ²/NDF:0.9/3
Left: -1946.601+/-1168.849 χ²/NDF: 6.1/8
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 479.431+/-1102.876 χ²/NDF:15.3/19
Out: -926.064+/-915.200 χ²/NDF:25.6/23
All: -352.904+/-704.288 χ²/NDF: 41.9/43



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

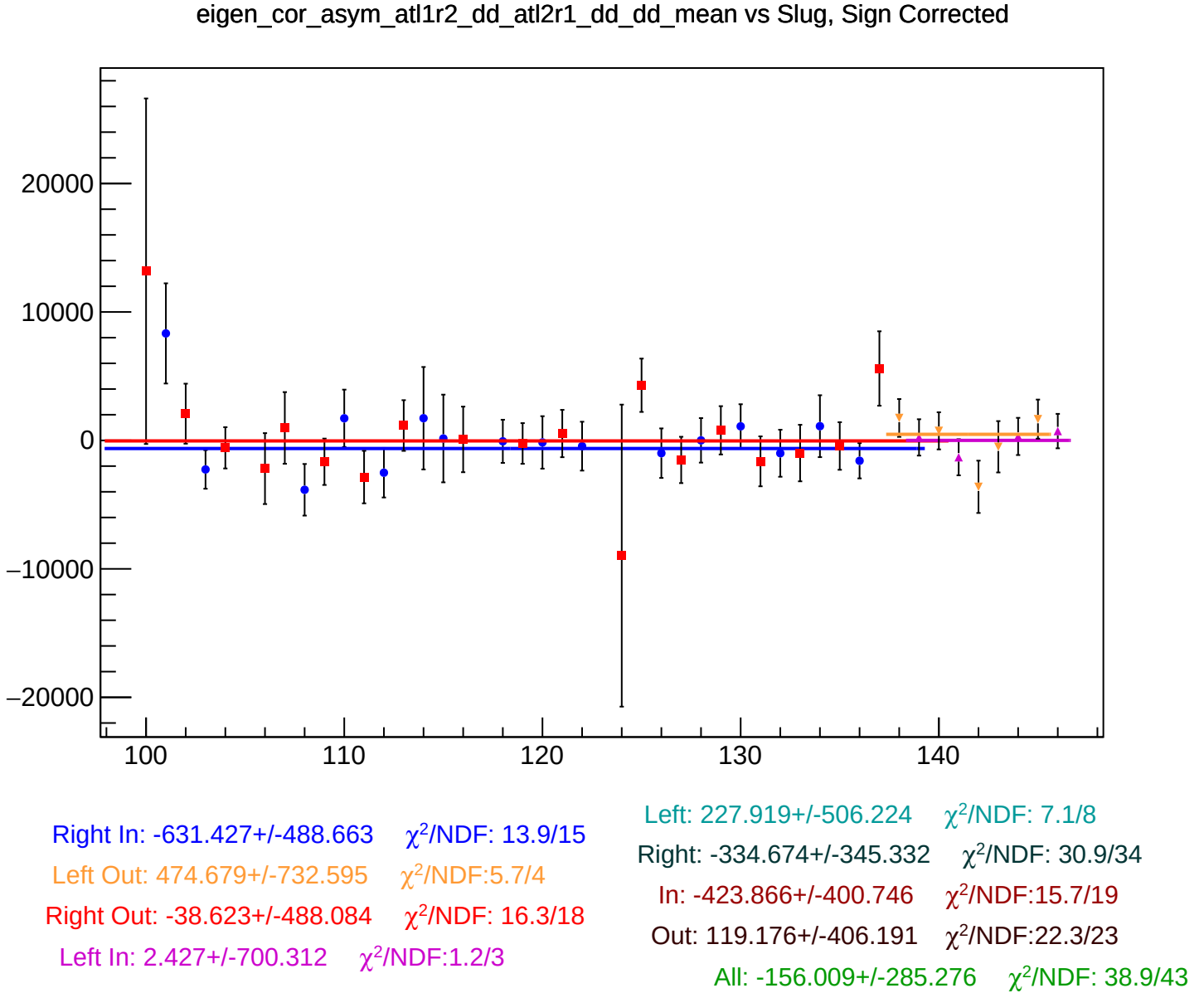
Left: 2975.708+/-0.827 χ^2/NDF: 1349763.2/8

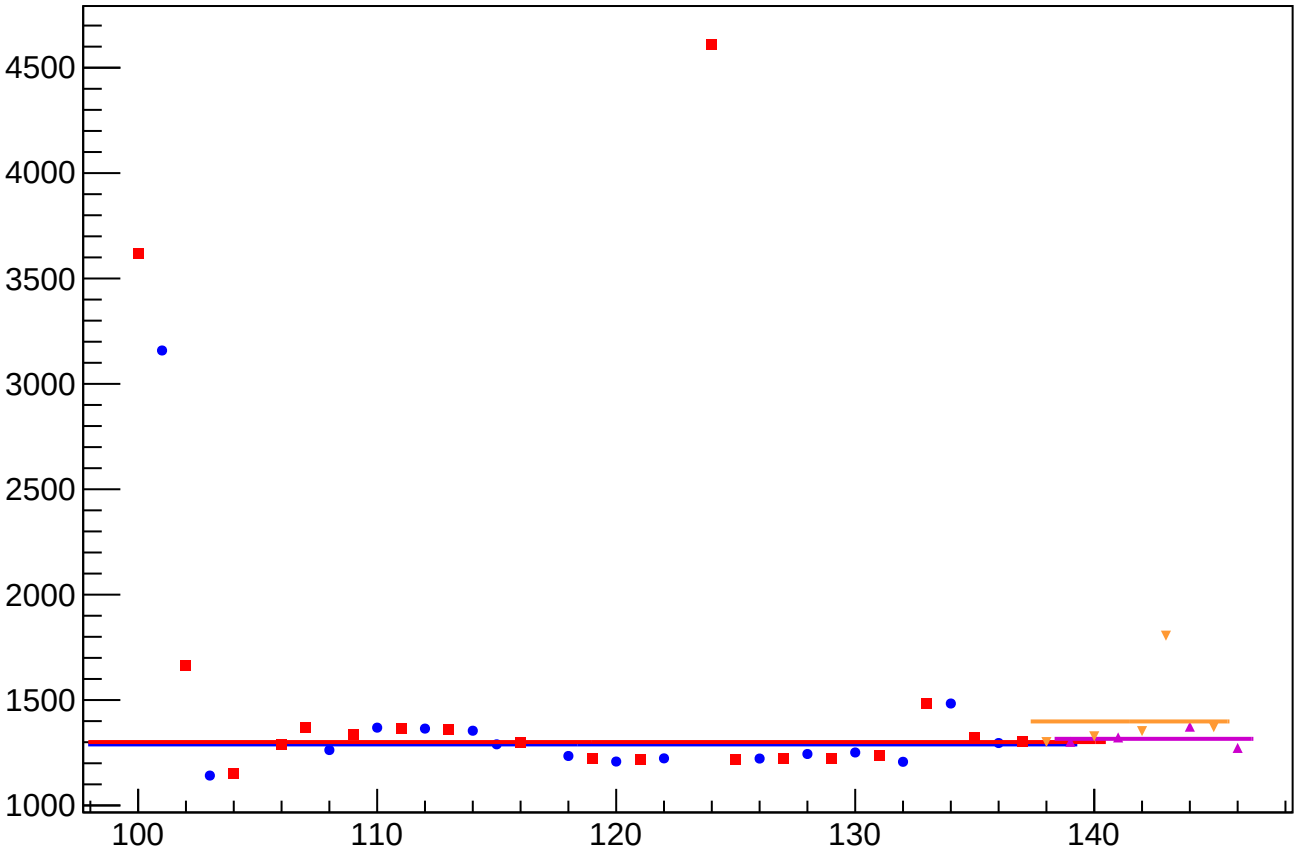
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2913.981+/-0.647 χ^2/NDF:1691987.4/23

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 474.679+/-732.595 χ²/NDF:5.7/4
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: 2.427+/-700.312 χ²/NDF:1.2/3
Left: 227.919+/-506.224 χ²/NDF: 7.1/8
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -423.866+/-400.746 χ²/NDF:15.7/19
Out: 119.176+/-406.191 χ²/NDF:22.3/23
All: -156.009+/-285.276 χ²/NDF: 38.9/43



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1398.450+/-0.518 χ^2/NDF:98210.8/4

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

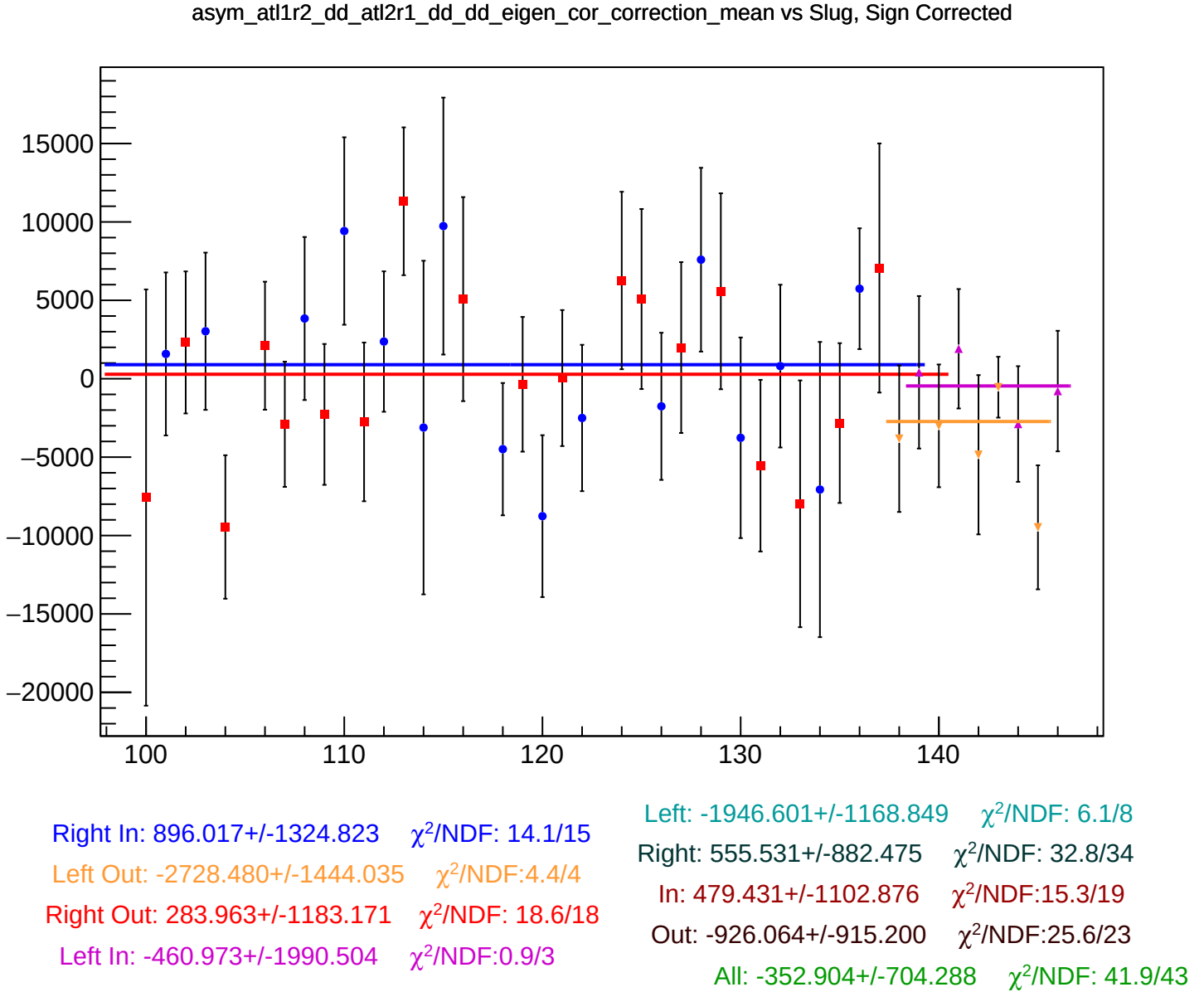
Left: 1355.350+/-0.358 χ^2/NDF: 116949.6/8

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

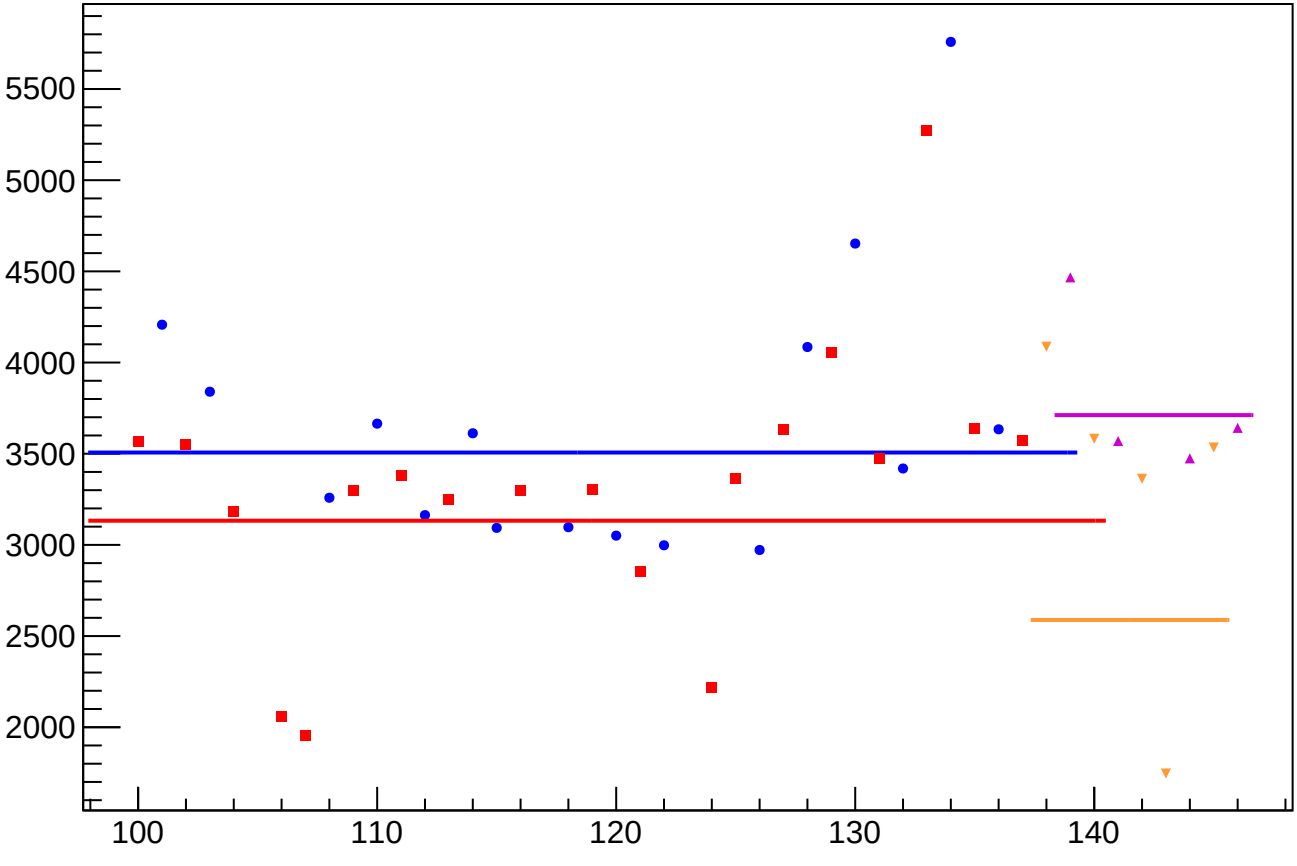
In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1330.662+/-0.287 χ^2/NDF:448815.4/23

All: 1314.204+/-0.202 χ^2/NDF: 977412.6/43


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2728.480+/-1444.035 χ²/NDF:4.4/4
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -460.973+/-1990.504 χ²/NDF:0.9/3
Left: -1946.601+/-1168.849 χ²/NDF: 6.1/8
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 479.431+/-1102.876 χ²/NDF:15.3/19
Out: -926.064+/-915.200 χ²/NDF:25.6/23
All: -352.904+/-704.288 χ²/NDF: 41.9/43

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2588.353+/-1.021 χ^2/NDF:872402.9/4

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

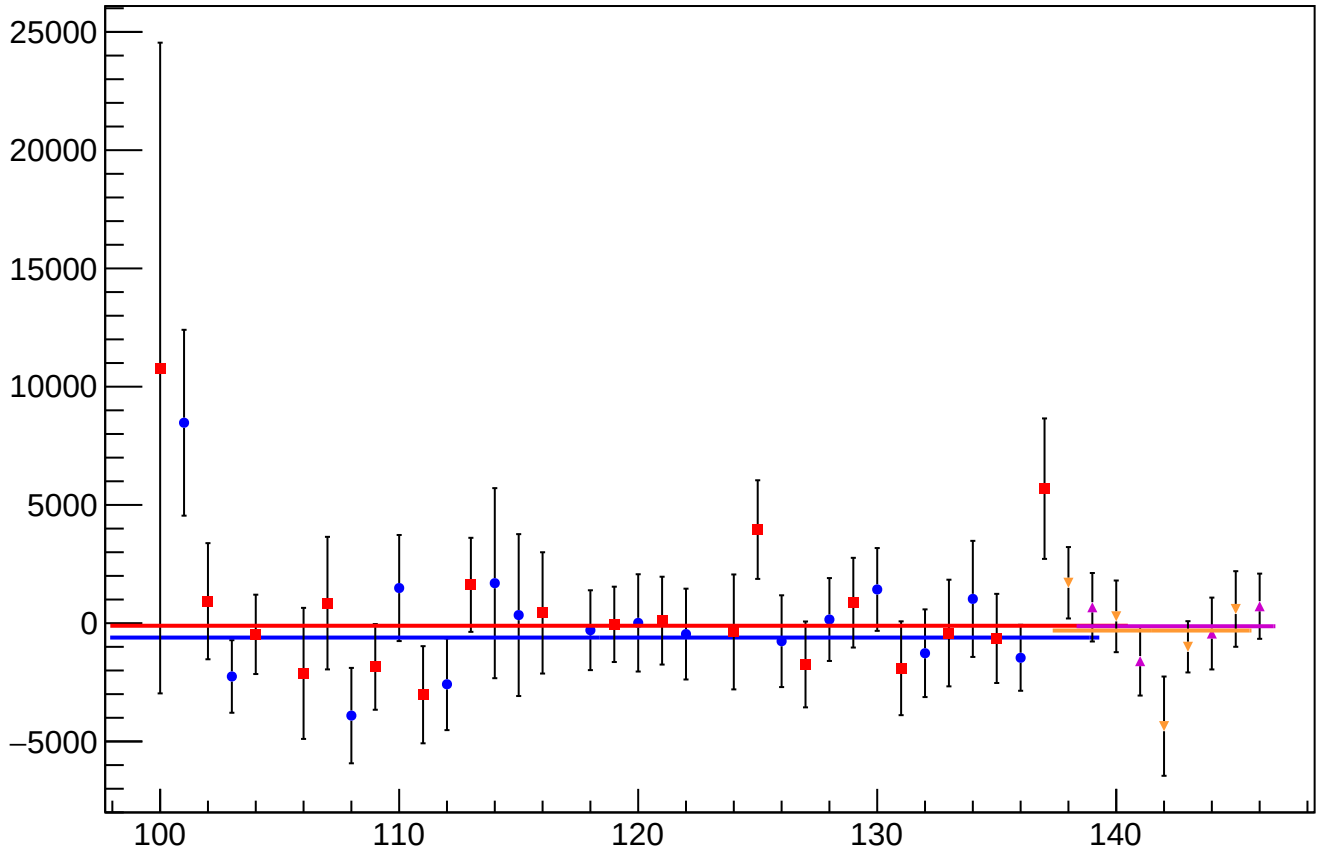
Left: 2975.708+/-0.827 χ^2/NDF: 1349763.2/8

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2913.981+/-0.647 χ^2/NDF:1691987.4/23

All: 3181.296+/-0.498 χ^2/NDF: 2538374.8/43



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.693+/-653.179 χ^2/NDF:6.4/4

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -129.181+/-723.926 χ^2/NDF:1.8/3

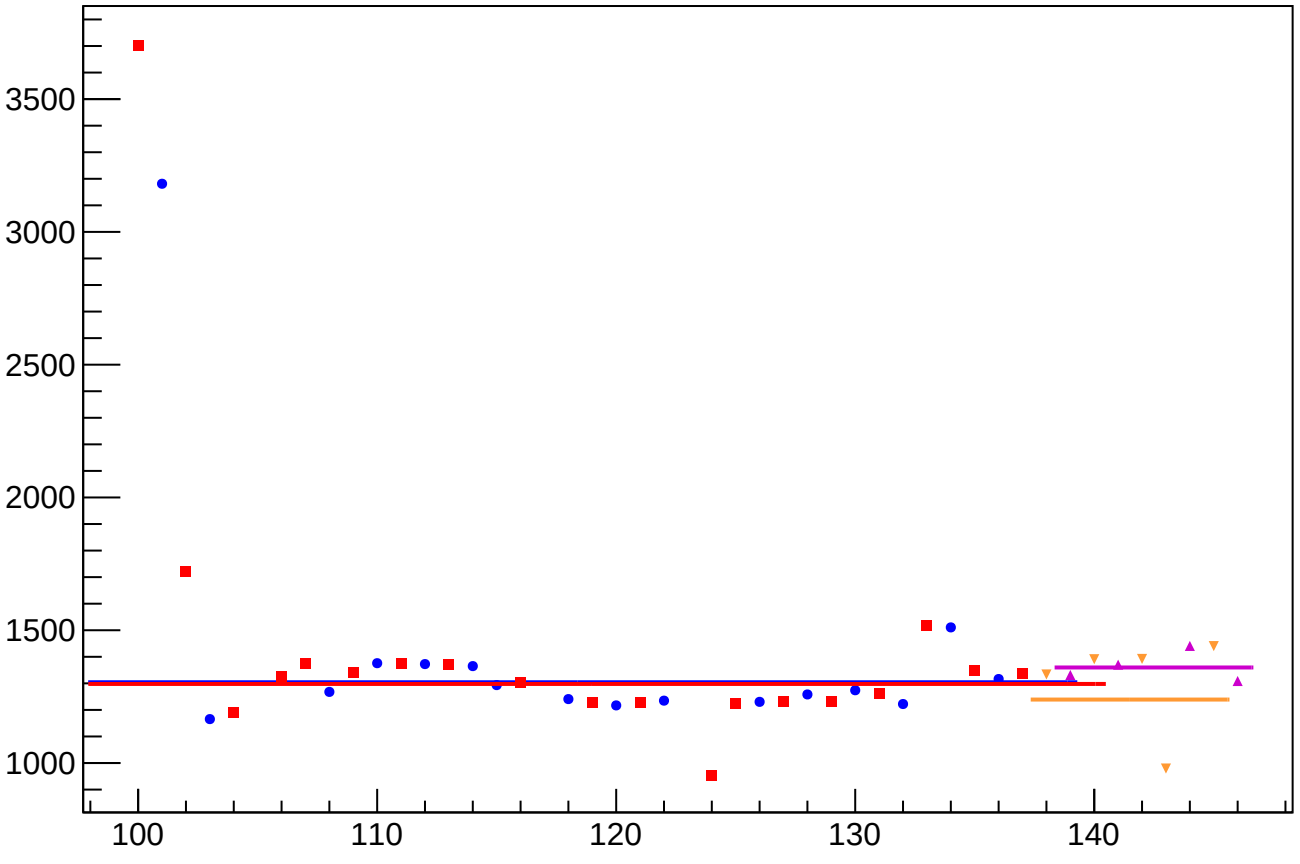
Left: -229.237+/-484.956 χ^2/NDF: 8.2/8

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -455.682+/-408.150 χ^2/NDF:16.2/19

Out: -180.537+/-389.679 χ^2/NDF:21.3/23

All: -311.743+/-281.848 χ^2/NDF: 37.7/43



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1238.998+/-0.462 χ^2/NDF:185091.7/4

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

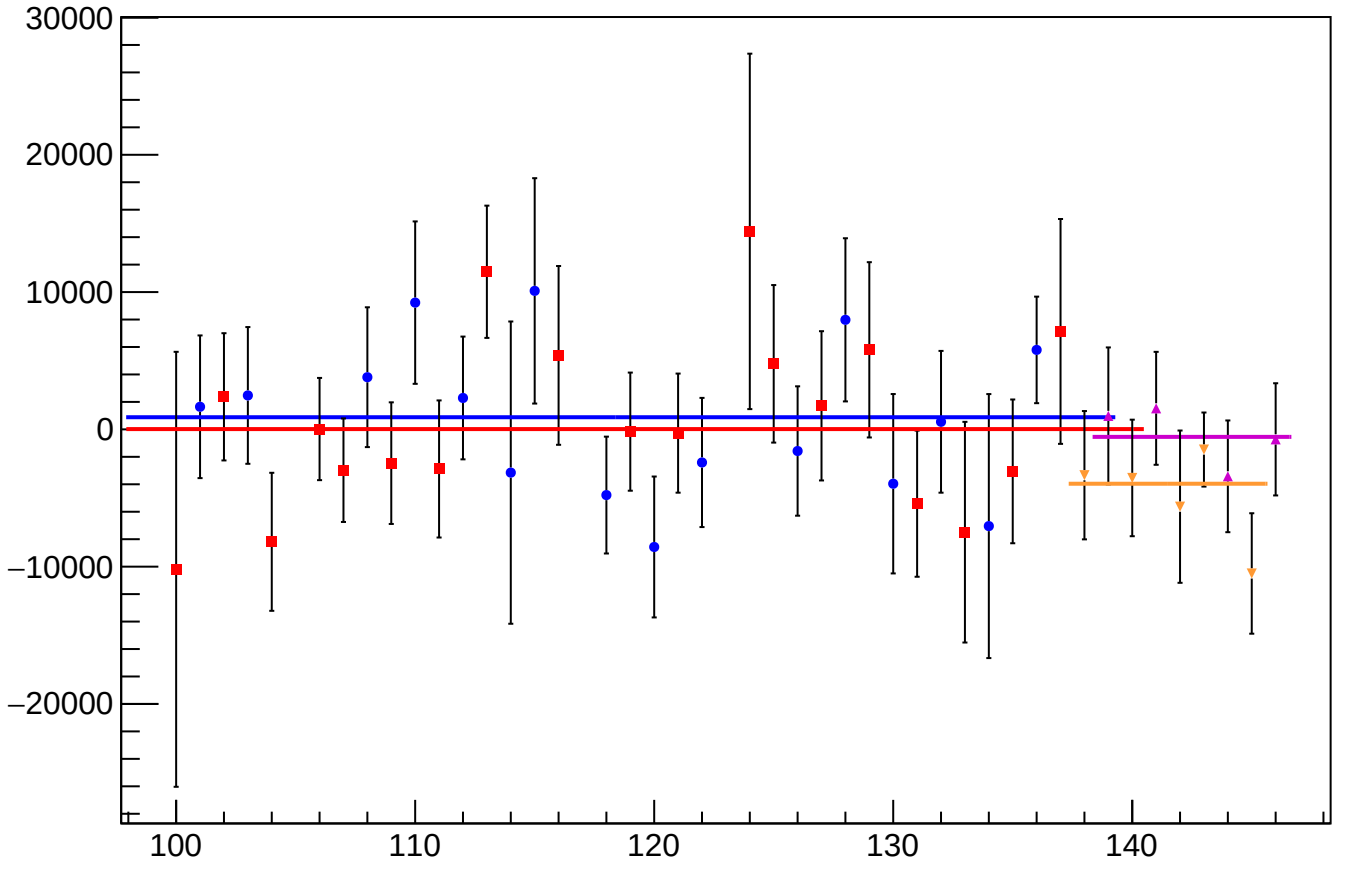
Left: 1293.198+/-0.343 χ^2/NDF: 225091.1/8

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1321.799+/-0.289 χ^2/NDF:527970.9/19

Out: 1276.889+/-0.275 χ^2/NDF:408632.3/23

All: 1298.294+/-0.199 χ^2/NDF: 949276.6/43



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -3960.020+/-1758.978 χ^2/NDF:3.2/4

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -547.025+/-2134.009 χ^2/NDF:0.9/3

Left: -2579.290+/-1357.322 χ^2/NDF: 5.6/8

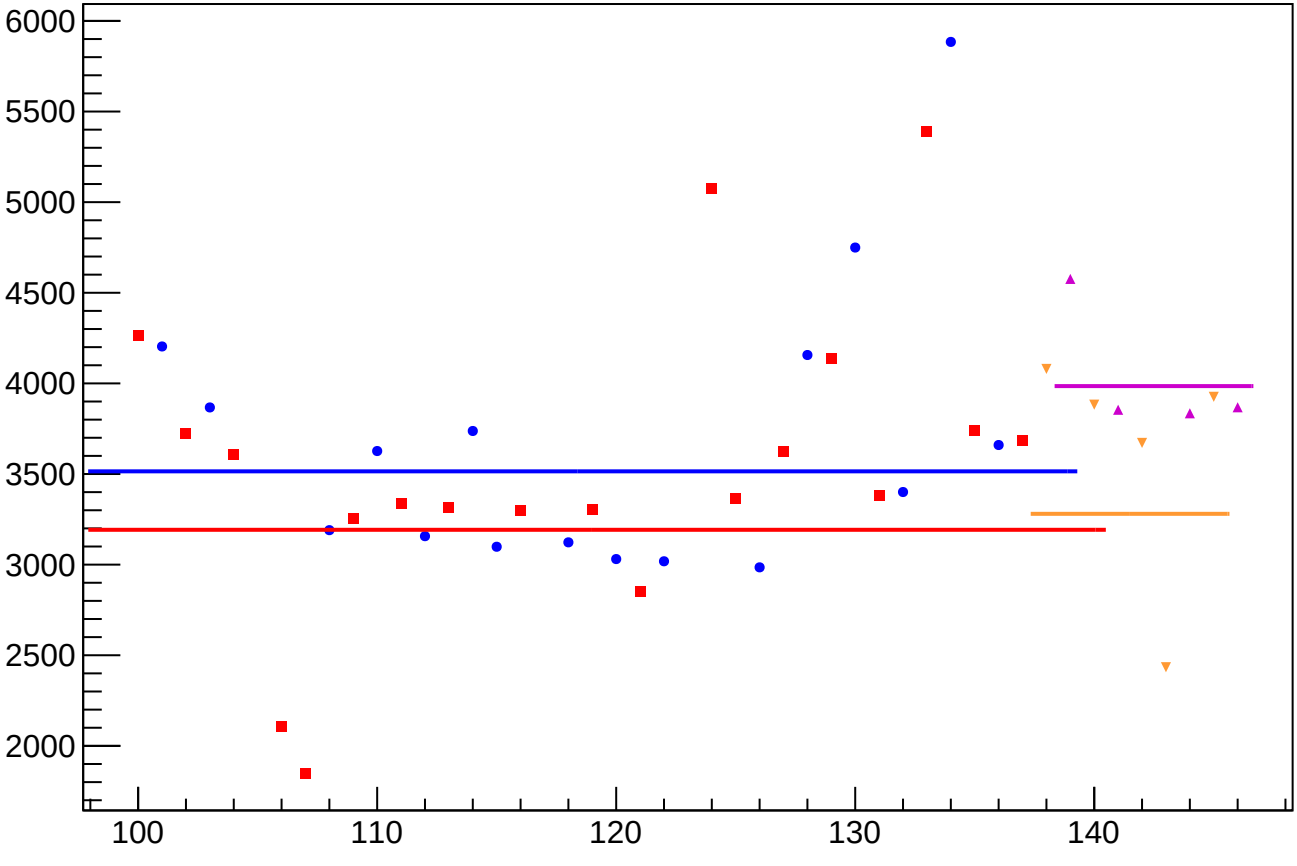
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 484.825+/-1127.138 χ^2/NDF:15.3/19

Out: -1243.611+/-991.298 χ^2/NDF:23.5/23

All: -489.771+/-744.372 χ^2/NDF: 40.1/43

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: 3280.329+/-1.244 χ^2/NDF:349008.8/4

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3985.086+/-1.509 χ^2/NDF:34488.6/3

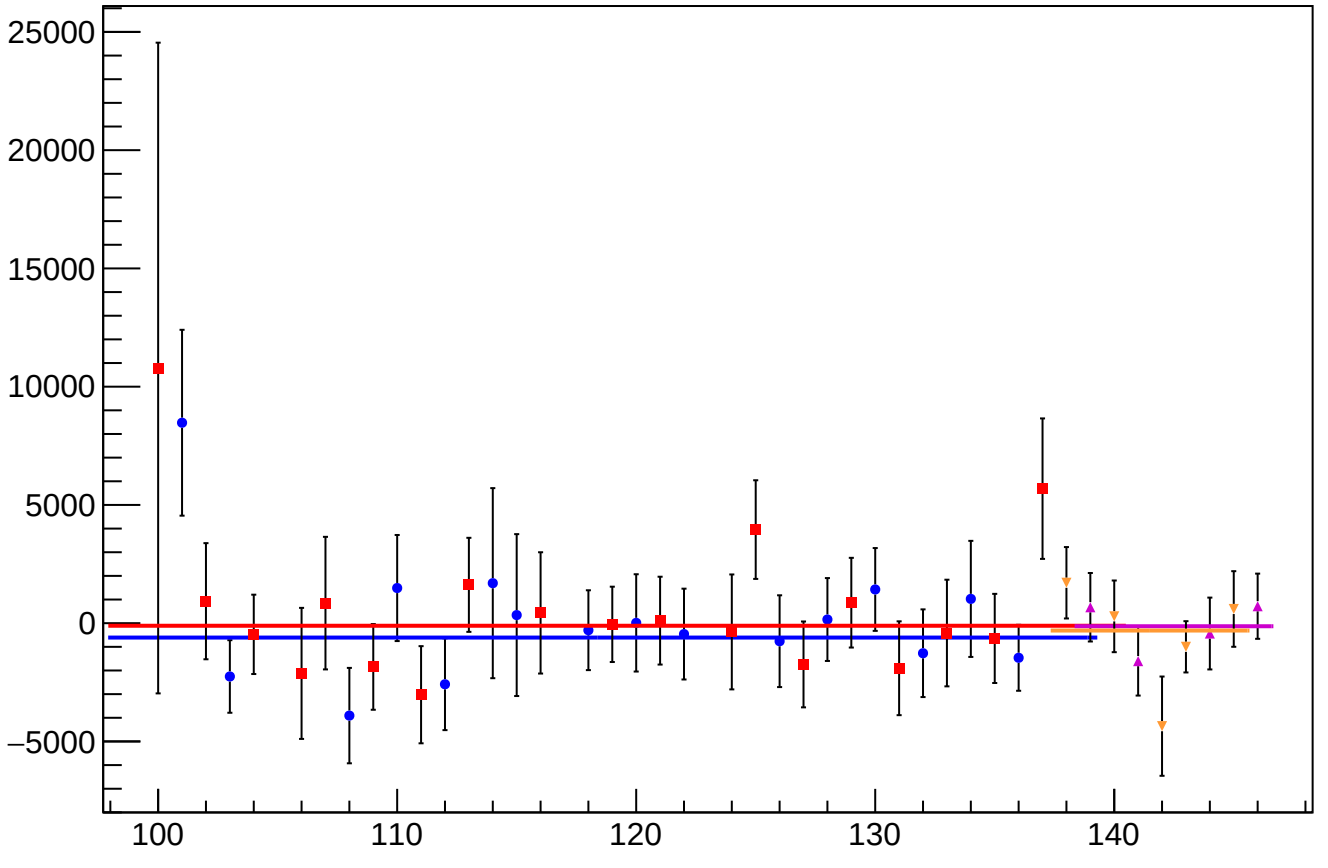
Left: 3565.439+/-0.960 χ^2/NDF: 513383.0/8

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3645.958+/-0.797 χ^2/NDF:479618.2/19

Out: 3220.193+/-0.701 χ^2/NDF:1124930.2/23

All: 3405.886+/-0.526 χ^2/NDF: 1765460.0/43



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: -310.700+/-653.180 χ^2/NDF:6.4/4

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -129.179+/-723.926 χ^2/NDF:1.8/3

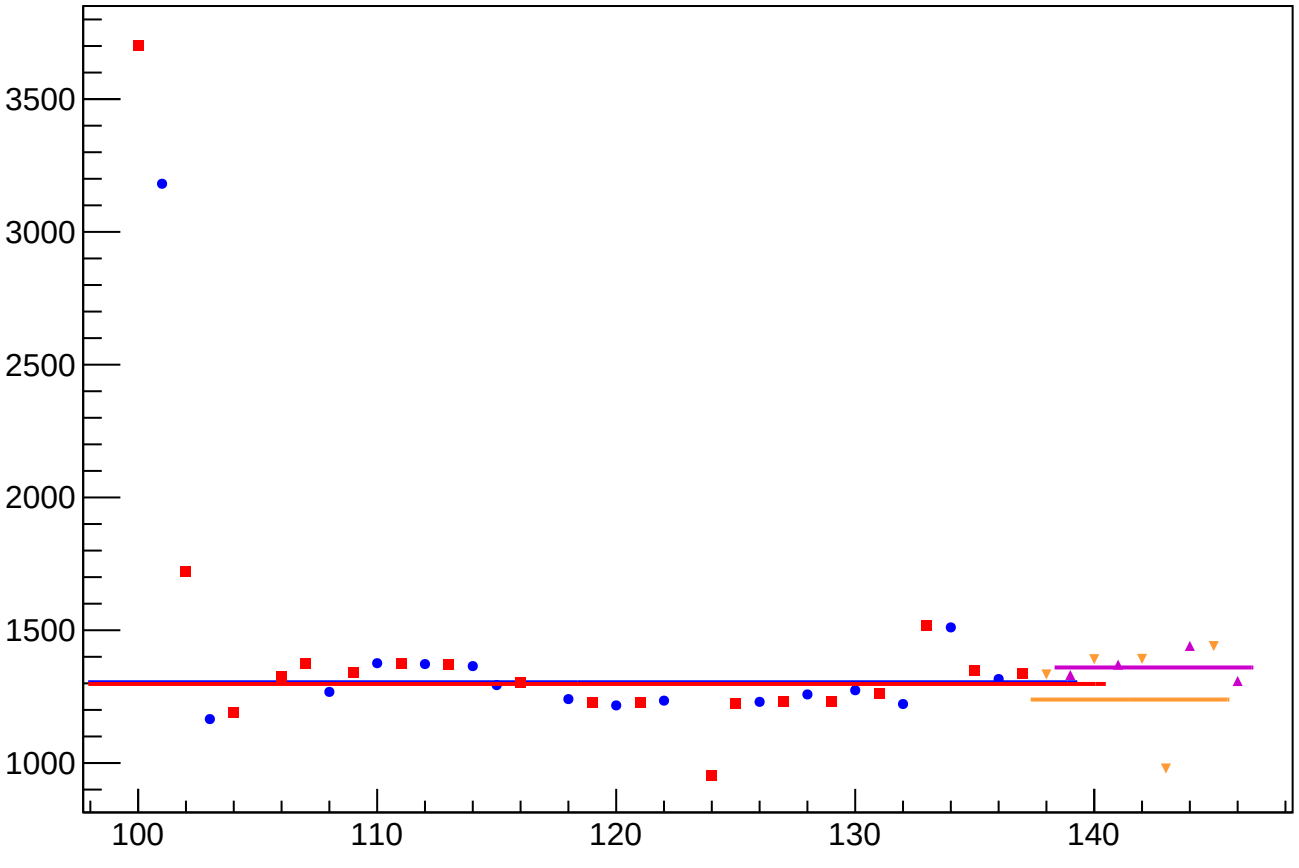
Left: -229.240+/-484.956 χ^2/NDF: 8.2/8

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -455.684+/-408.150 χ^2/NDF:16.2/19

Out: -180.543+/-389.679 χ^2/NDF:21.3/23

All: -311.747+/-281.849 χ^2/NDF: 37.7/43



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1238.999+/-0.462 χ^2/NDF:185092.0/4

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

Left: 1293.199+/-0.343 χ^2/NDF: 225091.4/8

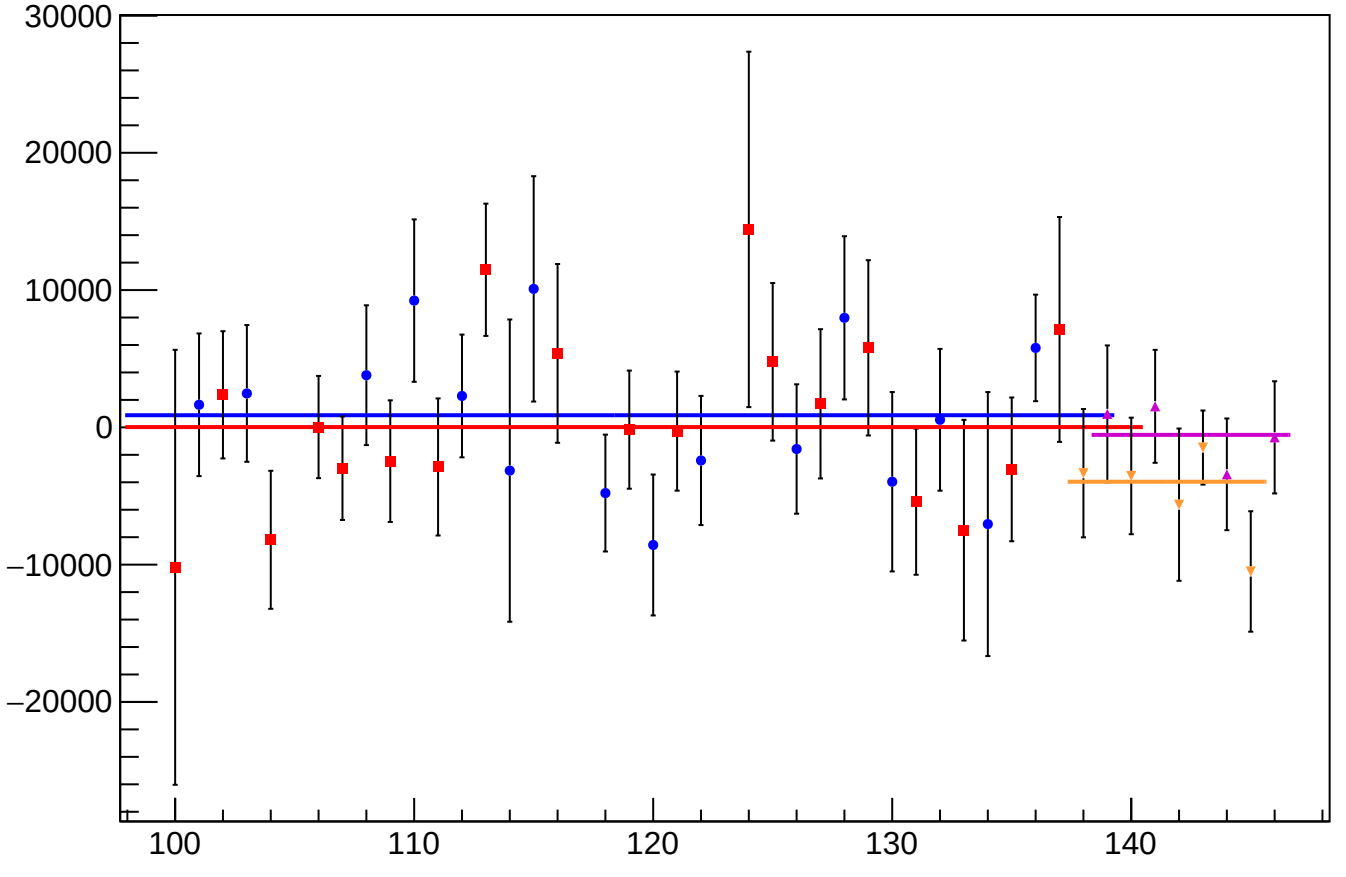
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1321.799+/-0.289 χ^2/NDF:527971.4/19

Out: 1276.889+/-0.275 χ^2/NDF:408632.3/23

All: 1298.294+/-0.199 χ^2/NDF: 949277.1/43

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: -3960.025+/-1758.981 χ^2/NDF:3.2/4

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -547.021+/-2134.013 χ^2/NDF:0.9/3

Left: -2579.291+/-1357.324 χ^2/NDF: 5.6/8

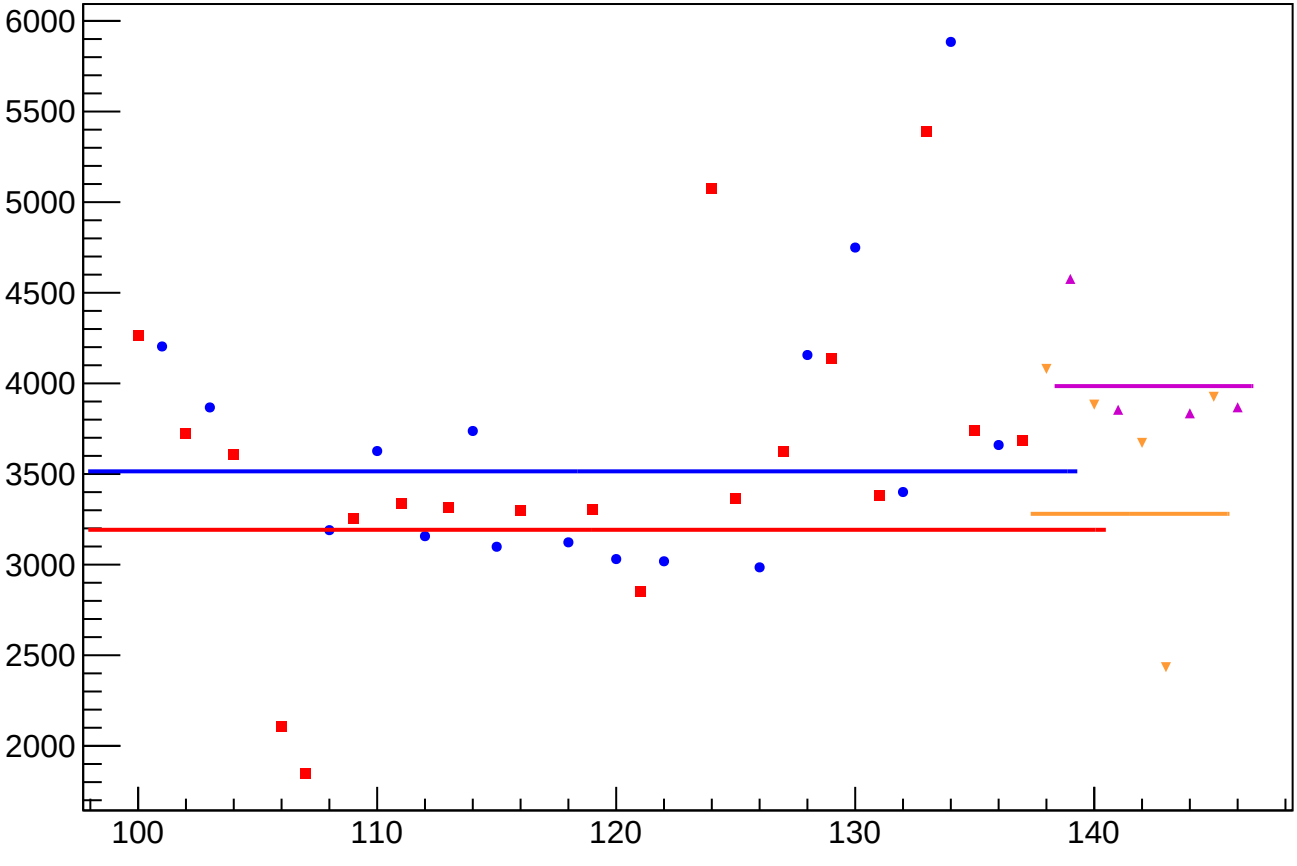
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 484.820+/-1127.137 χ^2/NDF:15.3/19

Out: -1243.608+/-991.297 χ^2/NDF:23.5/23

All: -489.771+/-744.371 χ^2/NDF: 40.1/43

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3280.335+/-1.244 χ^2/NDF:349009.7/4

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 3985.093+/-1.509 χ^2/NDF:34489.3/3

Left: 3565.445+/-0.960 χ^2/NDF: 513384.4/8

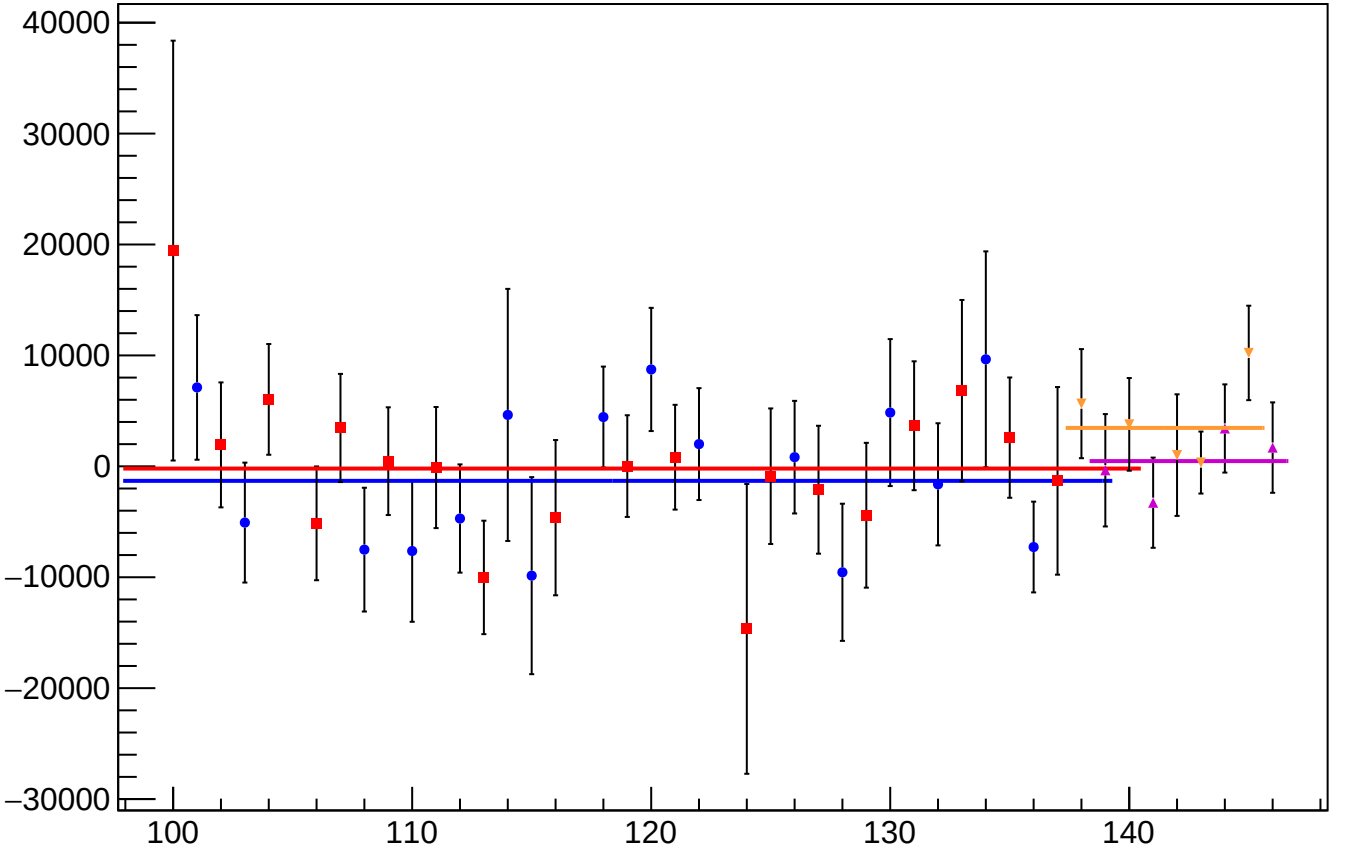
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3645.952+/-0.797 χ^2/NDF:479627.6/19

Out: 3220.189+/-0.701 χ^2/NDF:1124934.4/23

All: 3405.881+/-0.526 χ^2/NDF: 1765472.5/43

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 3463.991+/-1781.602 χ^2/NDF:4.2/4

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 473.106+/-2118.256 χ^2/NDF:1.5/3

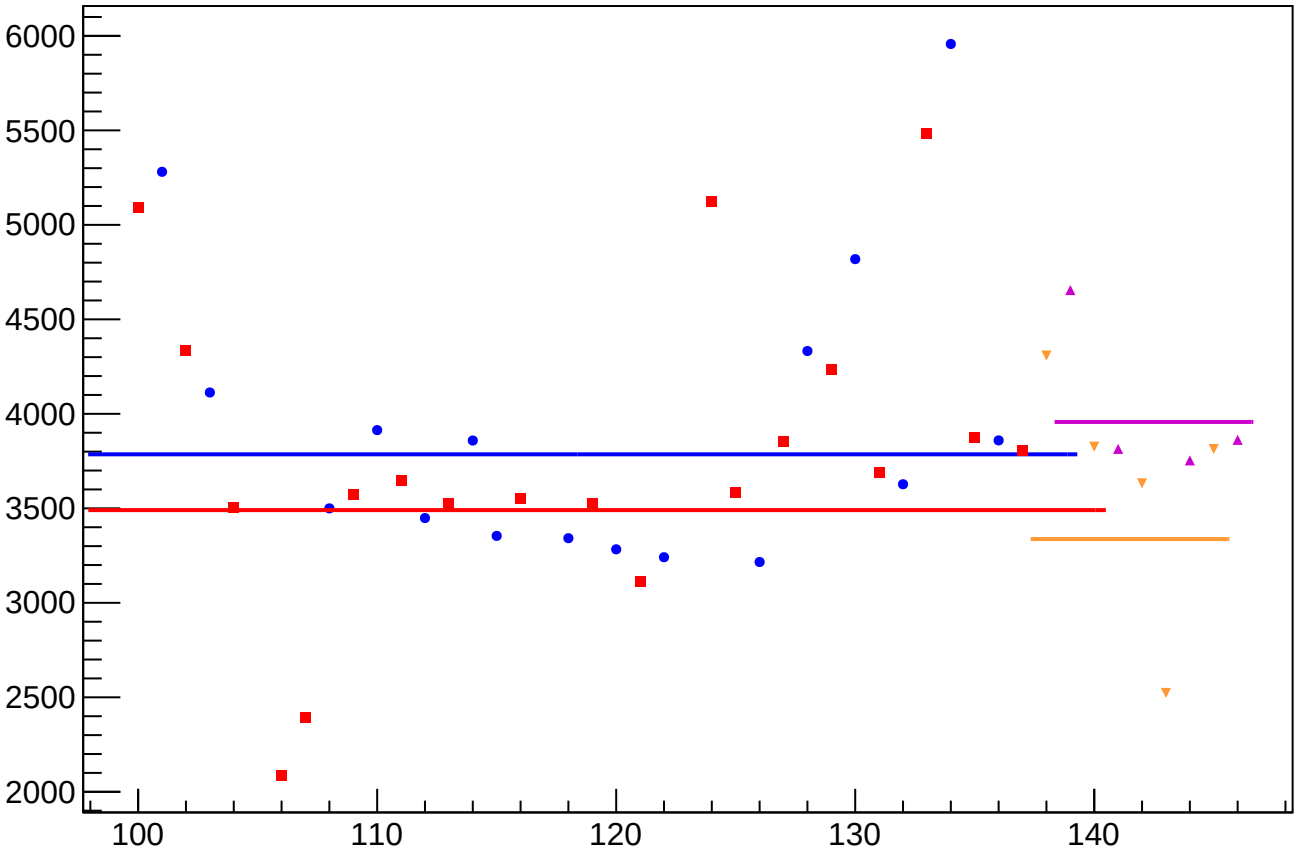
Left: 2224.826+/-1363.462 χ^2/NDF: 6.9/8

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -750.457+/-1186.132 χ^2/NDF:19.6/19

Out: 1117.841+/-1068.890 χ^2/NDF:18.5/23

All: 280.565+/-794.043 χ^2/NDF: 39.5/43



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3337.348+/-1.260 χ^2/NDF:305909.8/4

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

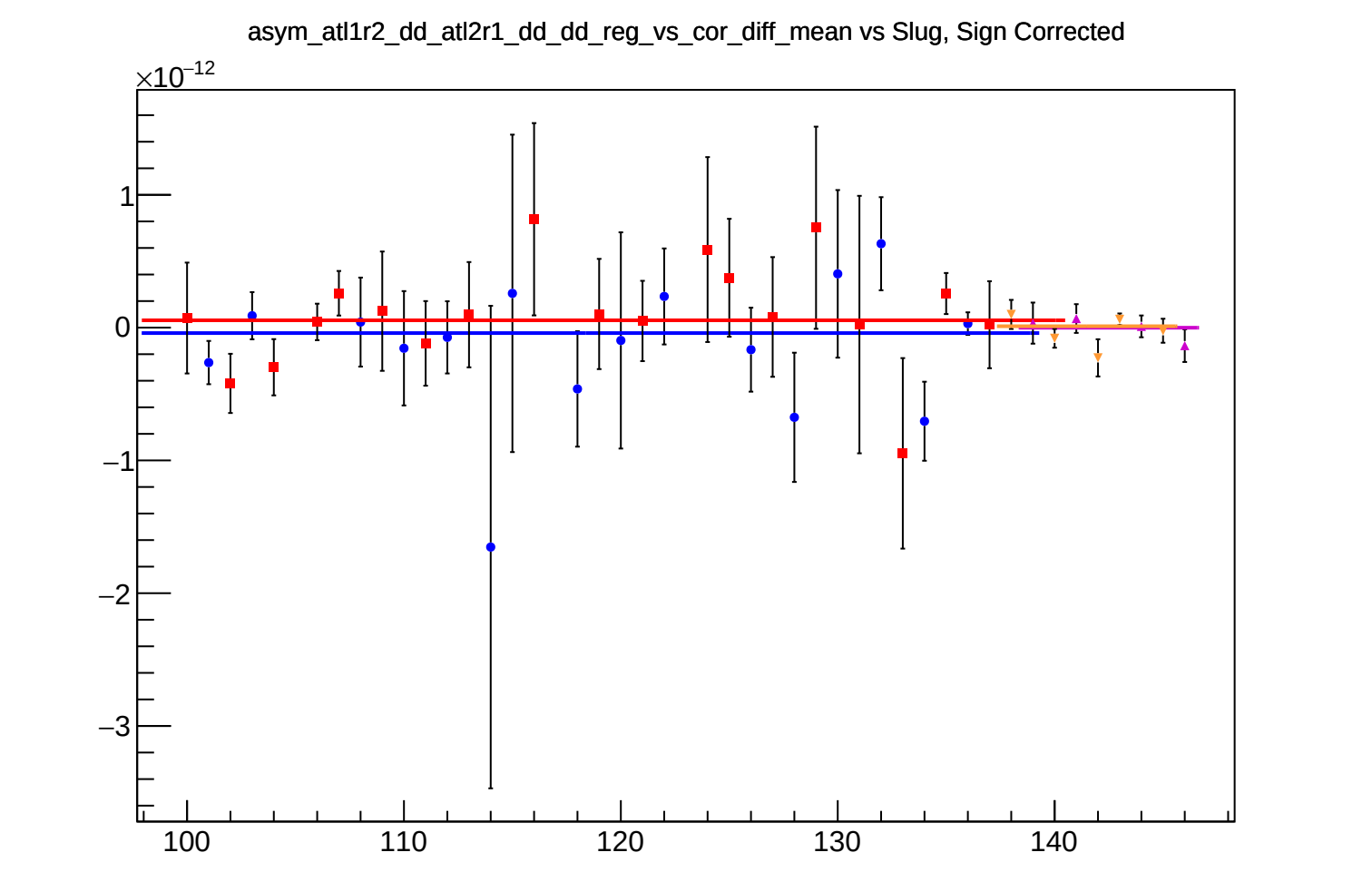
Left: 3594.176+/-0.964 χ^2/NDF: 452953.9/8

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3839.535+/-0.839 χ^2/NDF:438717.7/19

Out: 3436.411+/-0.749 χ^2/NDF:902191.7/23

All: 3615.313+/-0.559 χ^2/NDF: 1469404.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

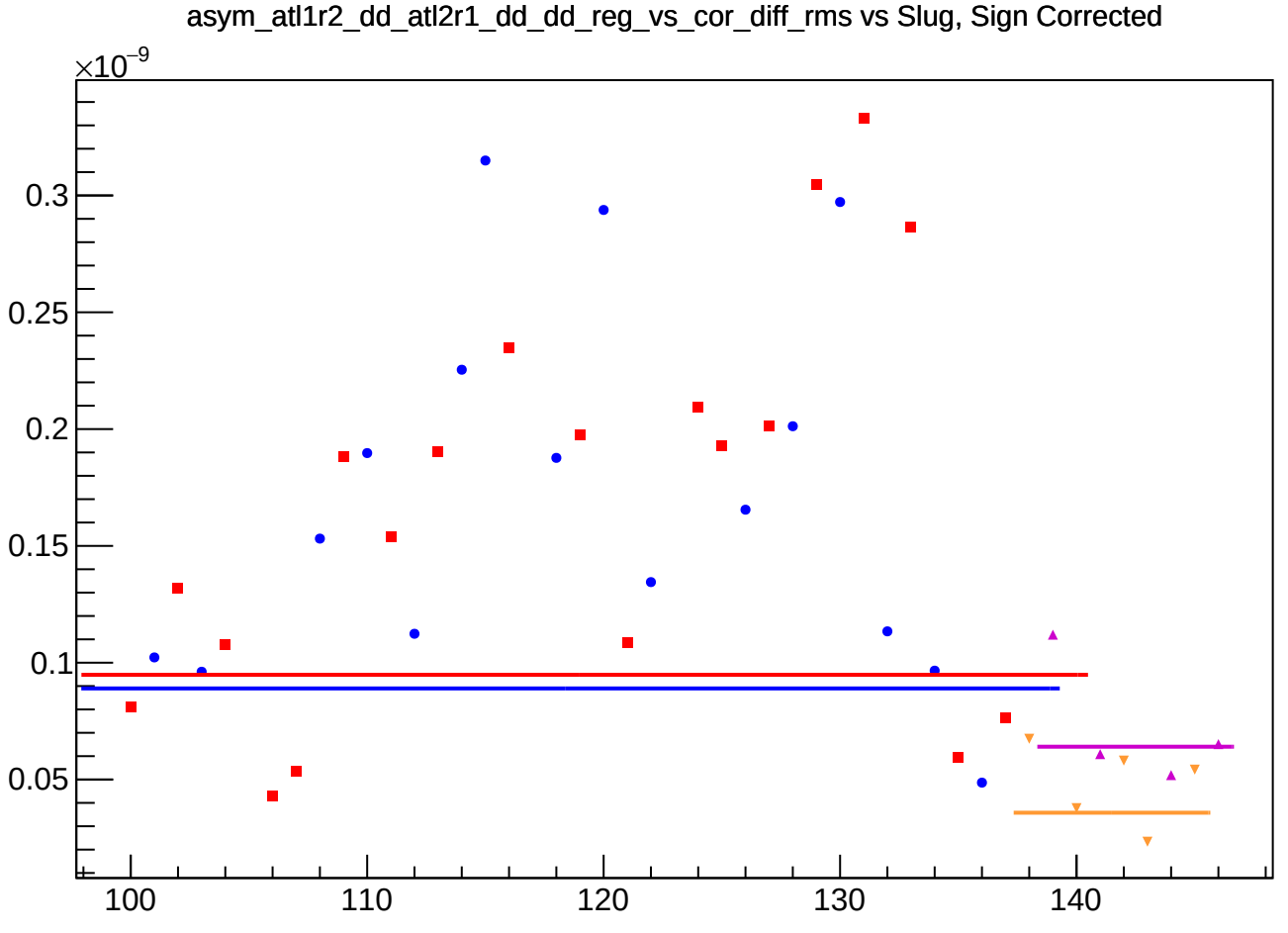
Left: 0.000+/-0.000 χ^2/NDF: 8.4/8

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:18.6/19

Out: 0.000+/-0.000 χ^2/NDF:23.0/23

All: 0.000+/-0.000 χ^2/NDF: 42.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:462218.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

Left: 0.000+/-0.000 χ^2/NDF: 1103747.9/8

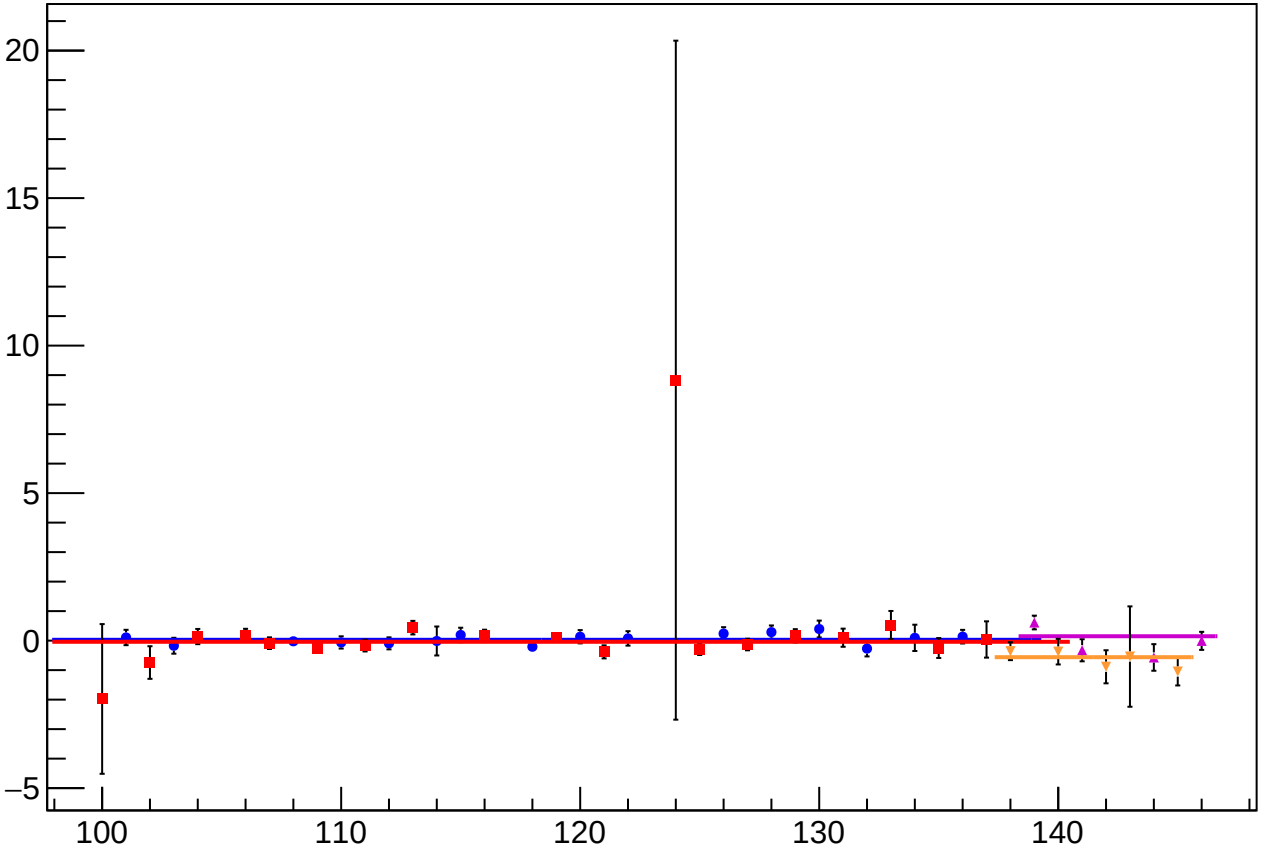
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1892769.8/19

Out: 0.000+/-0.000 χ^2/NDF:3557685.9/23

All: 0.000+/-0.000 χ^2/NDF: 6091733.0/43

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: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

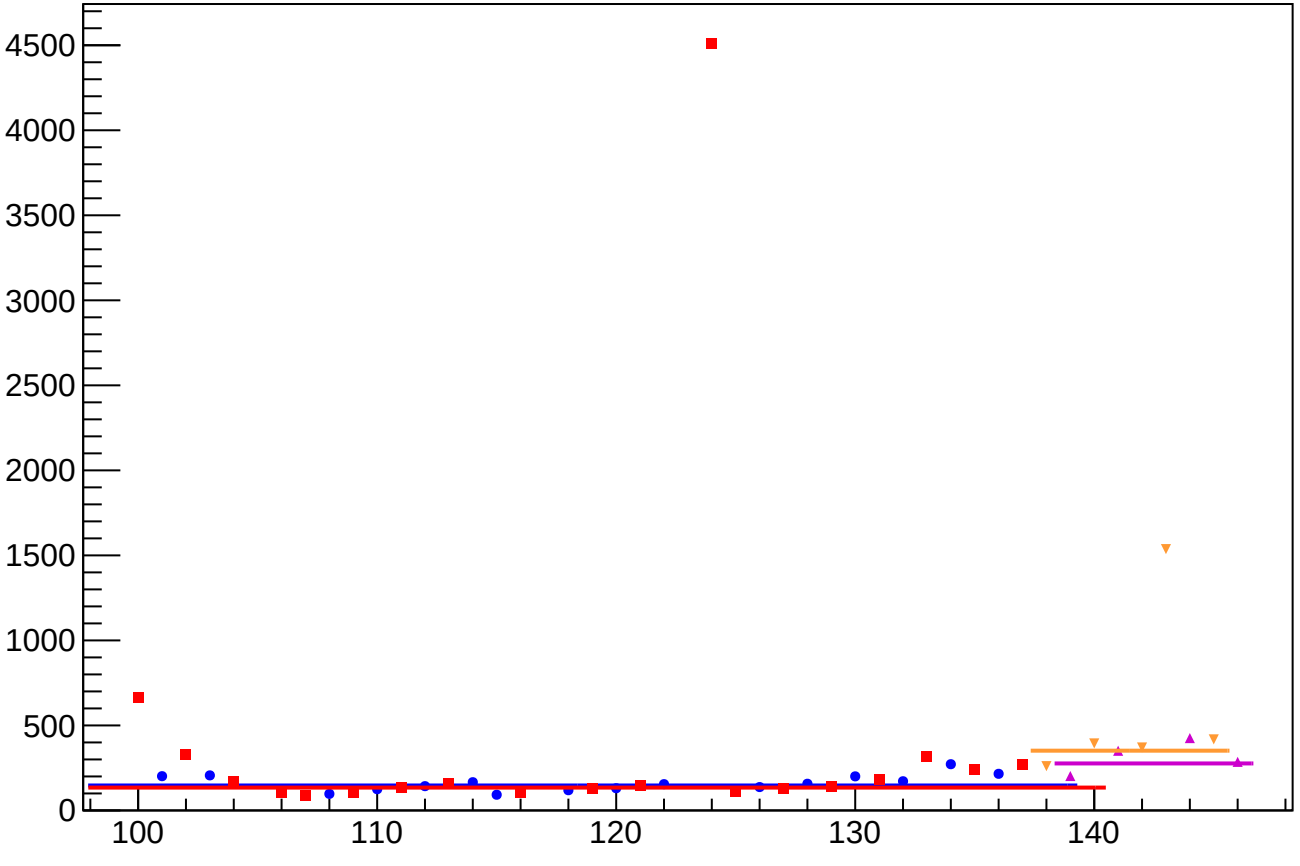
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.544+/-0.144 χ^2/NDF:1213708.4/4

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

Left: 304.291+/-0.087 χ^2/NDF: 1887971.3/8

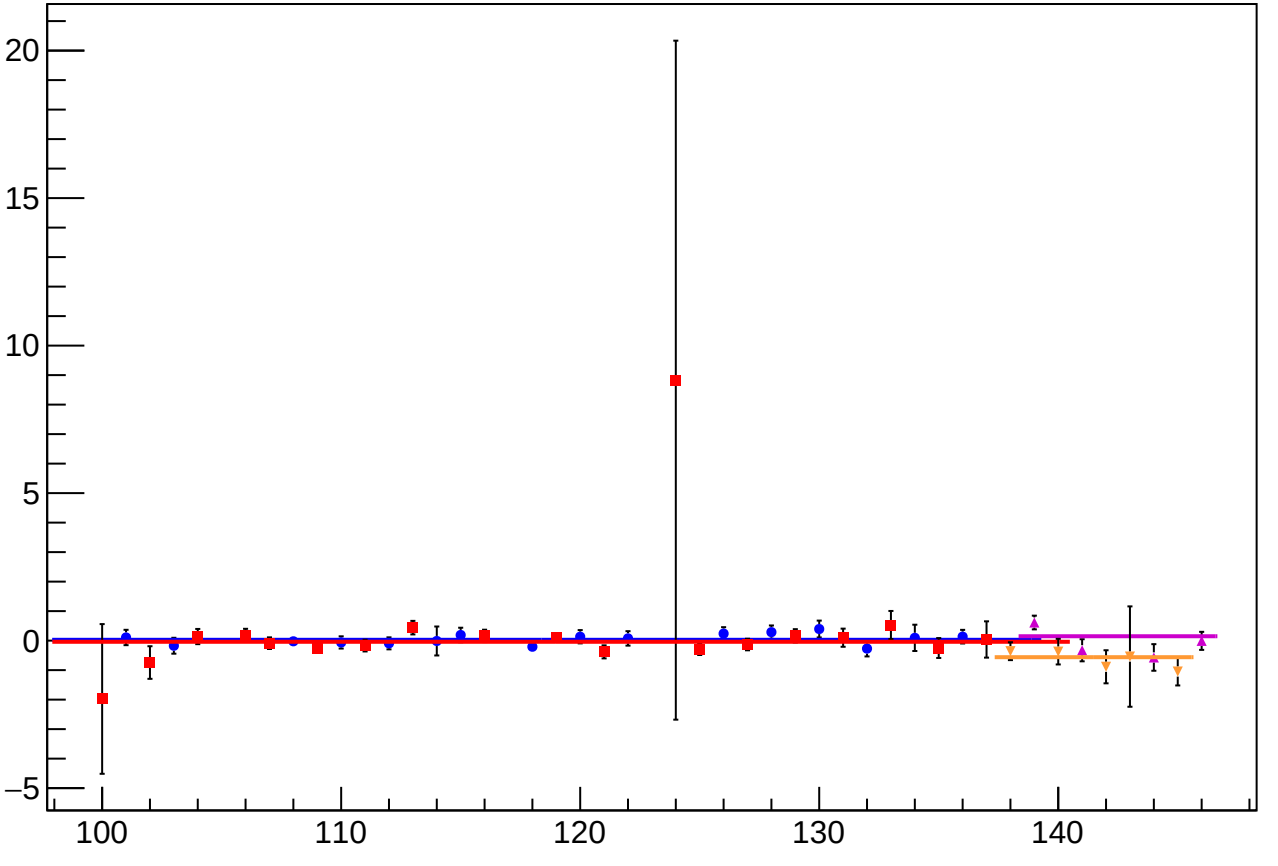
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 149.236+/-0.037 χ^2/NDF:4951143.7/23

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43

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: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

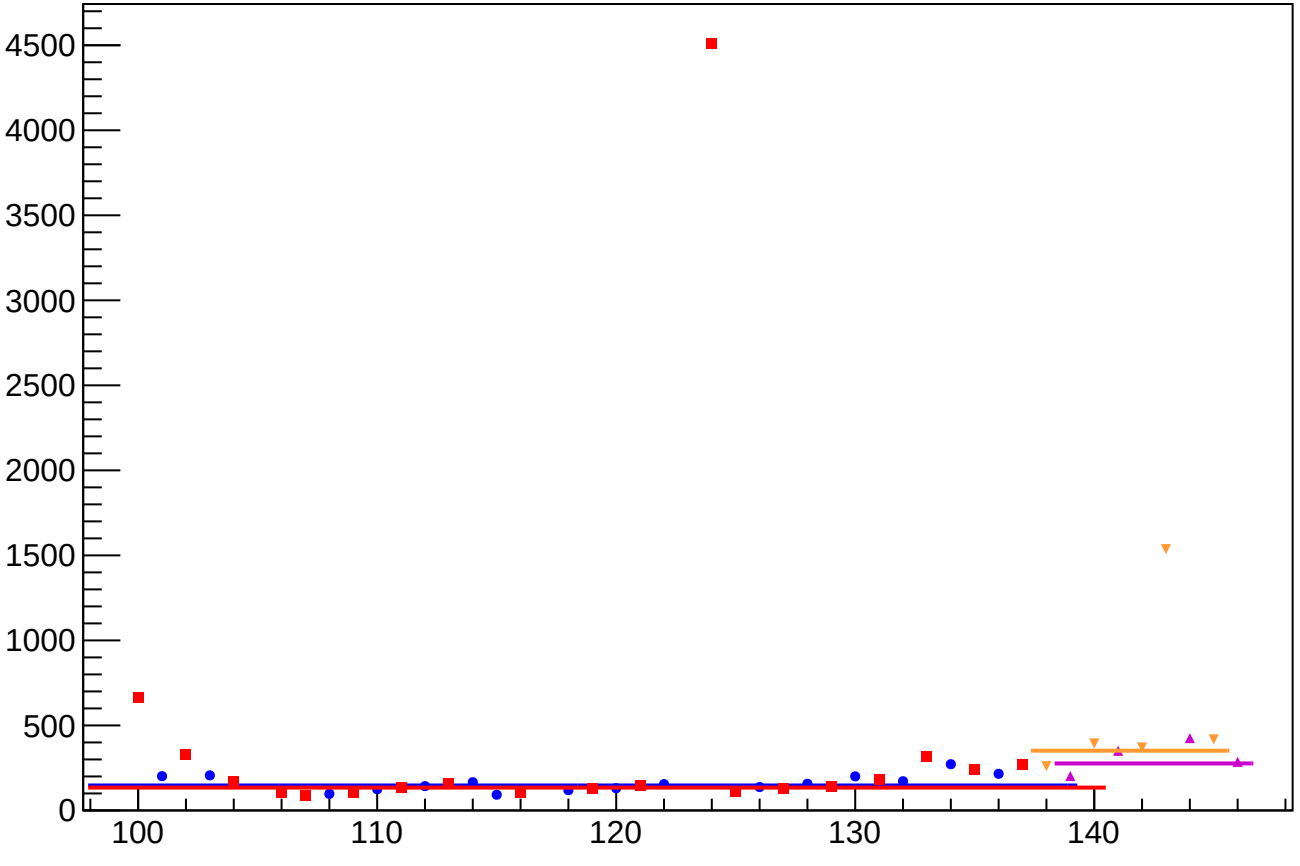
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.544+/-0.144 χ^2/NDF:1213708.4/4

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

Left: 304.291+/-0.087 χ^2/NDF: 1887971.3/8

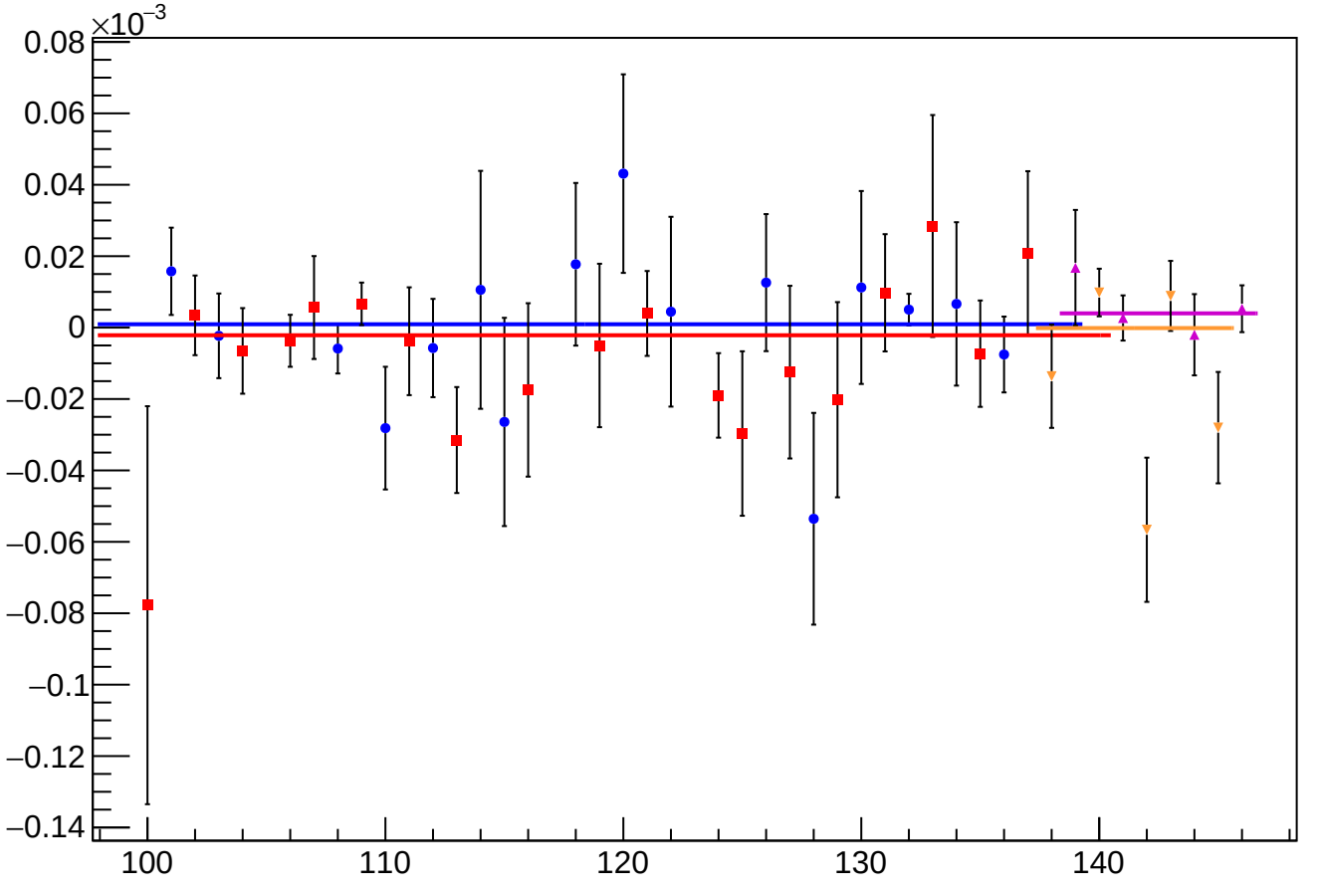
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 149.236+/-0.037 χ^2/NDF:4951143.7/23

All: 155.704+/-0.027 χ^2/NDF: 7731417.2/43

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

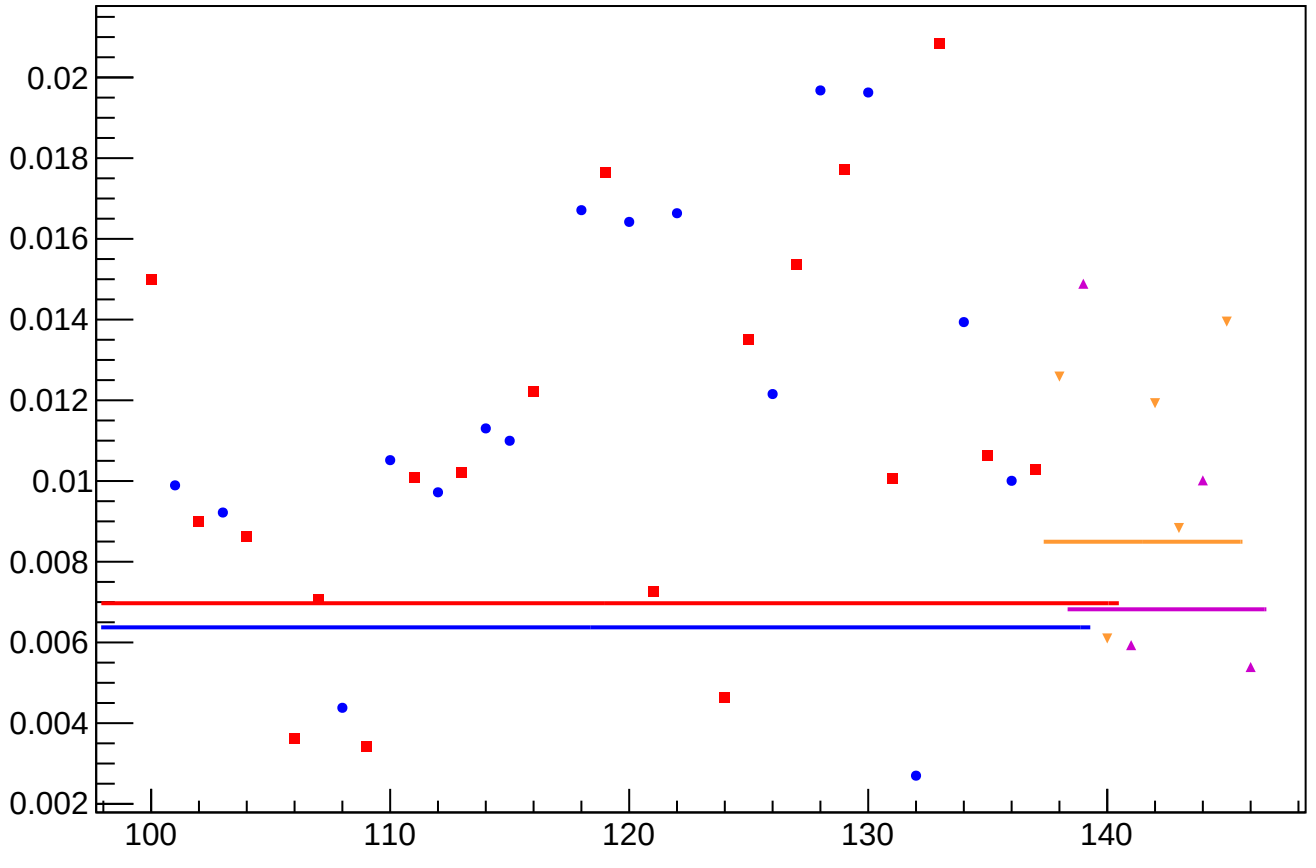
Left: 0.000+/-0.000 χ^2/NDF: 16.4/8

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:16.2/19

Out: -0.000+/-0.000 χ^2/NDF:31.1/23

All: 0.000+/-0.000 χ^2/NDF: 48.4/43



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:723659.6/4

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:788404.7/3

Left: 0.008+/-0.000 χ^2/NDF: 1654651.4/8

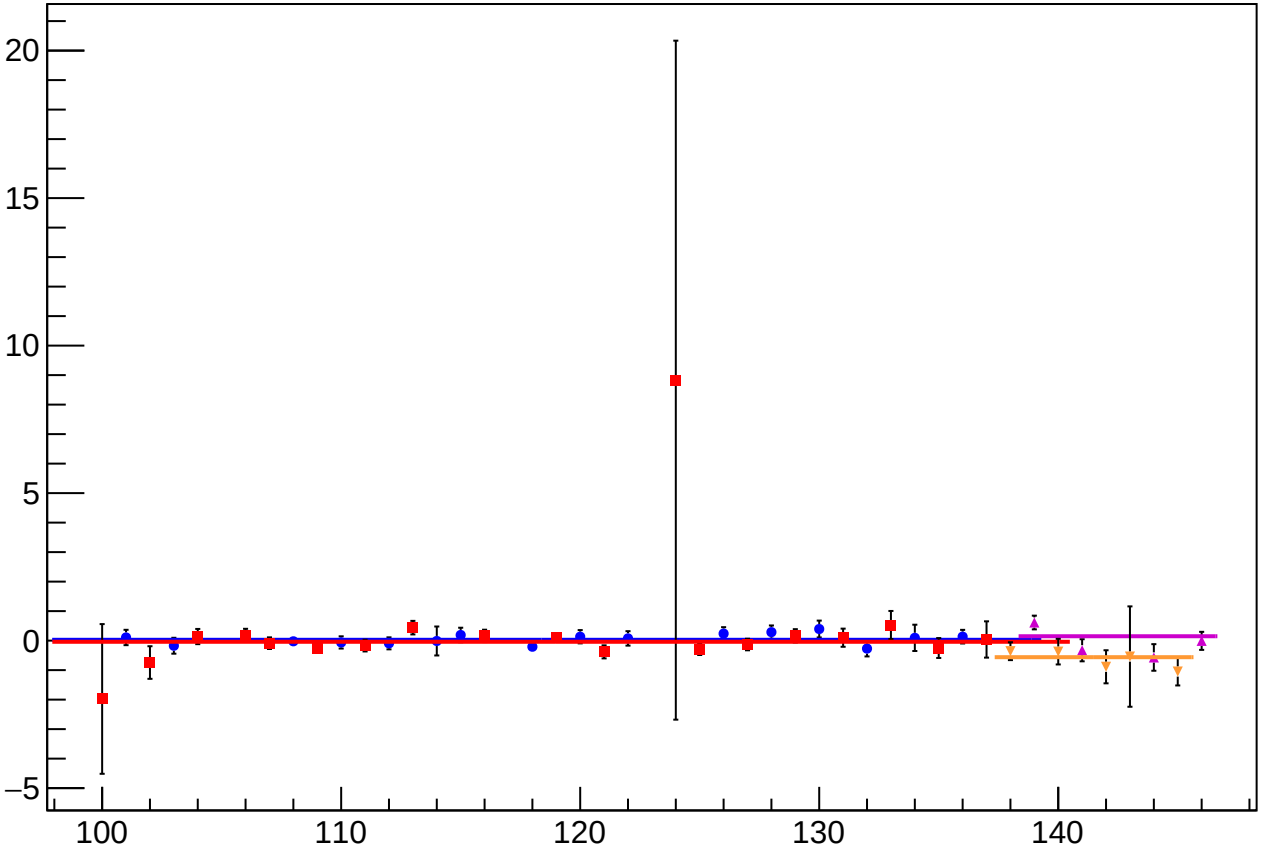
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5443979.9/19

Out: 0.007+/-0.000 χ^2/NDF:4280195.8/23

All: 0.007+/-0.000 χ^2/NDF: 9852582.6/43

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: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

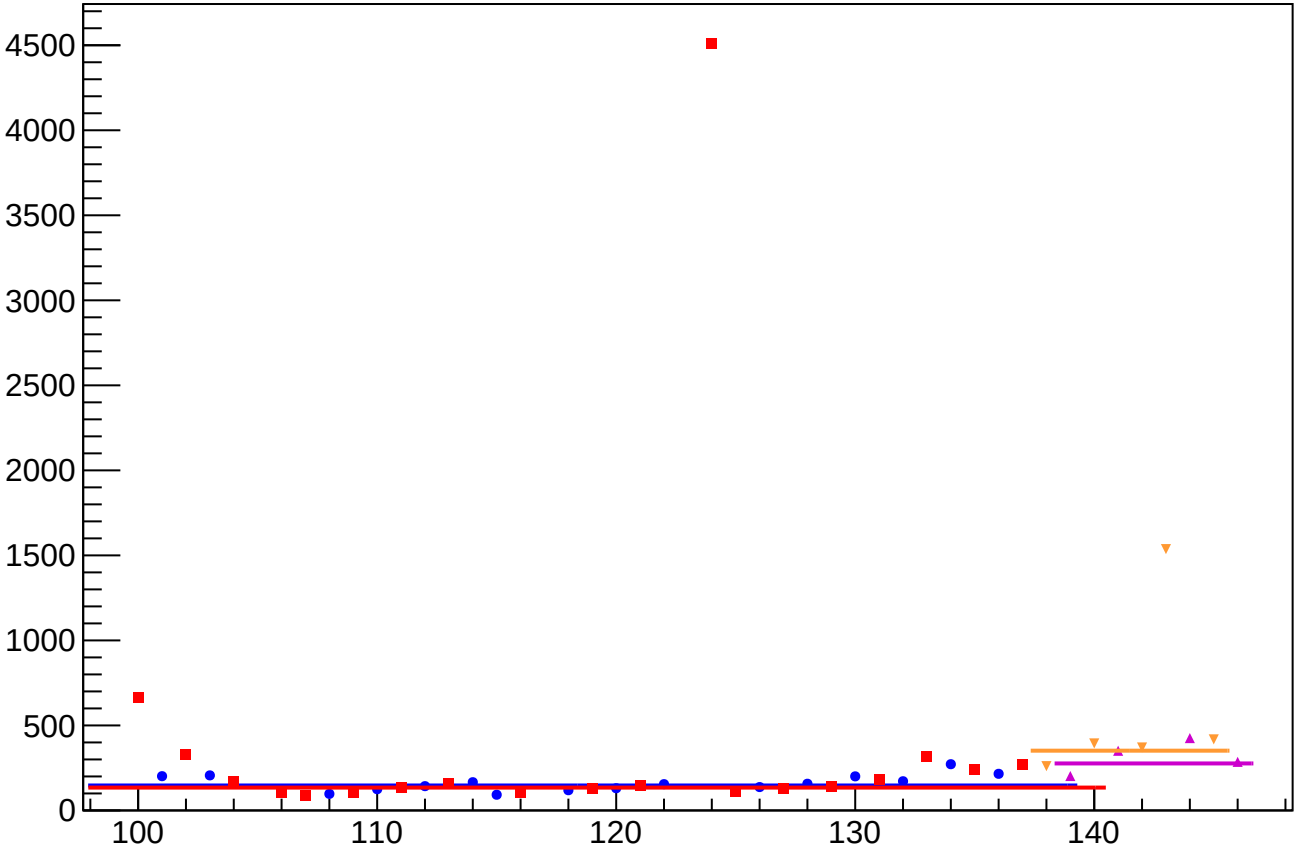
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.549+/-0.144 χ^2/NDF:1213701.1/4

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

Left: 304.295+/-0.087 χ^2/NDF: 1887941.7/8

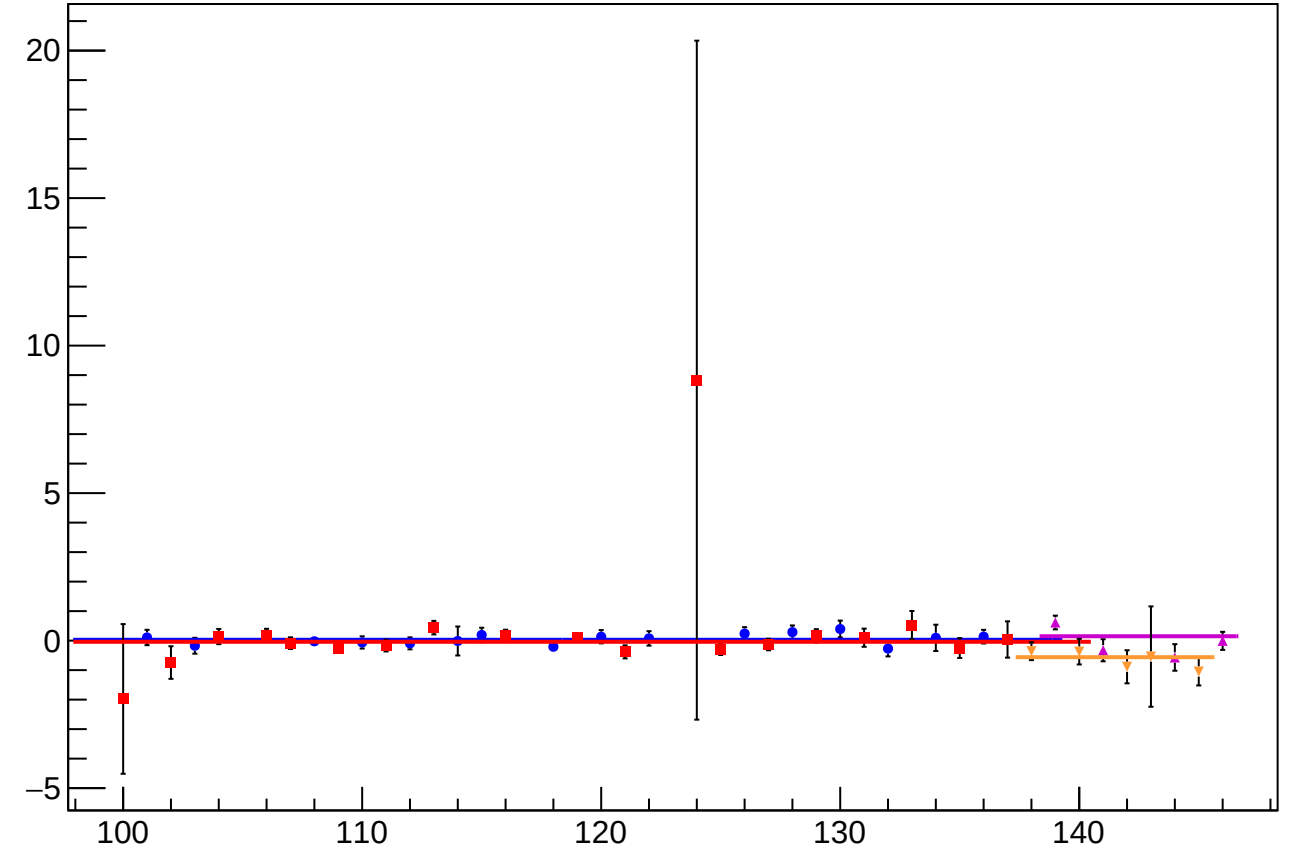
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 149.238+/-0.037 χ^2/NDF:4951078.9/23

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43

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: -0.562+/-0.203 χ^2/NDF:2.0/4

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.115+/-0.124 χ^2/NDF: 18.2/8

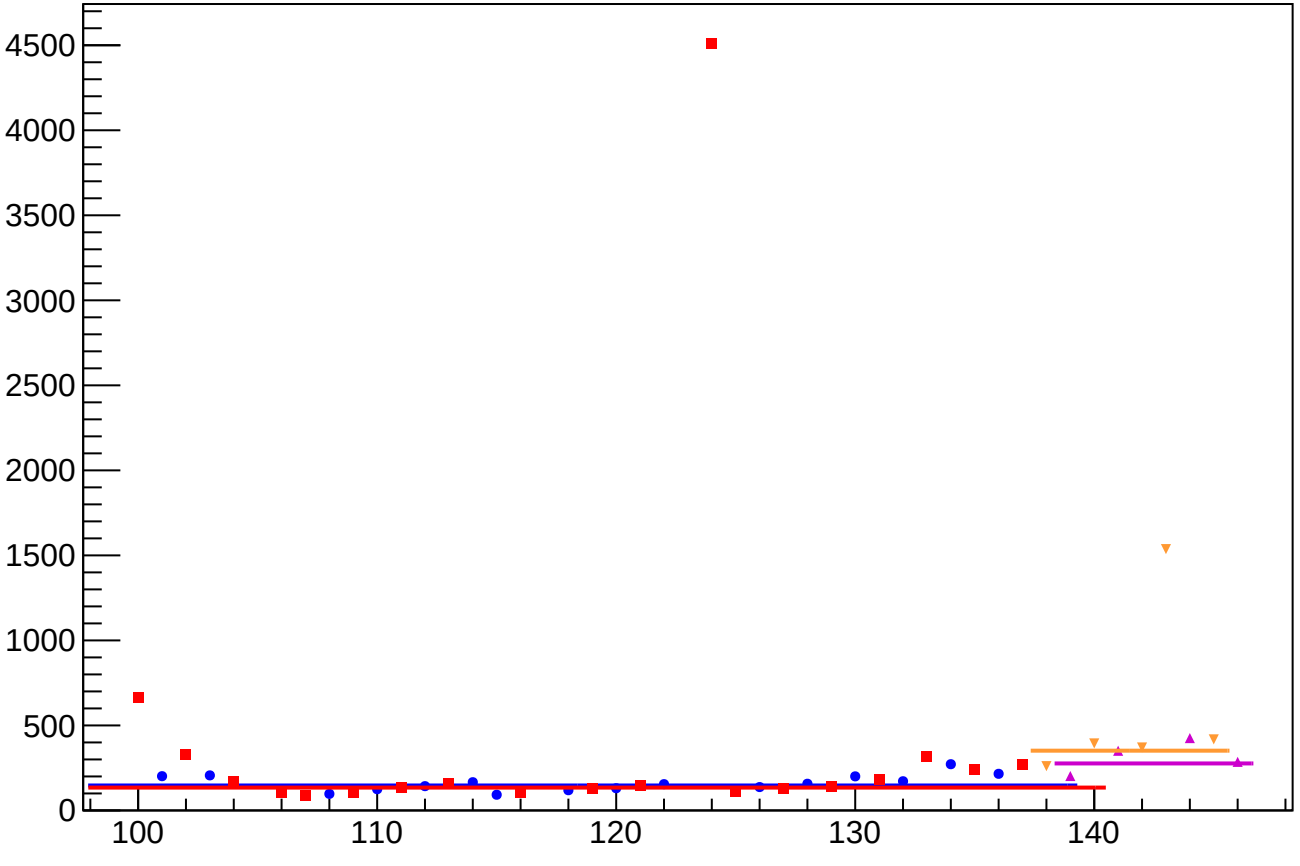
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.075+/-0.053 χ^2/NDF:28.2/23

All: -0.017+/-0.038 χ^2/NDF: 49.0/43

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: 351.549+/-0.144 χ^2/NDF:1213701.1/4

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

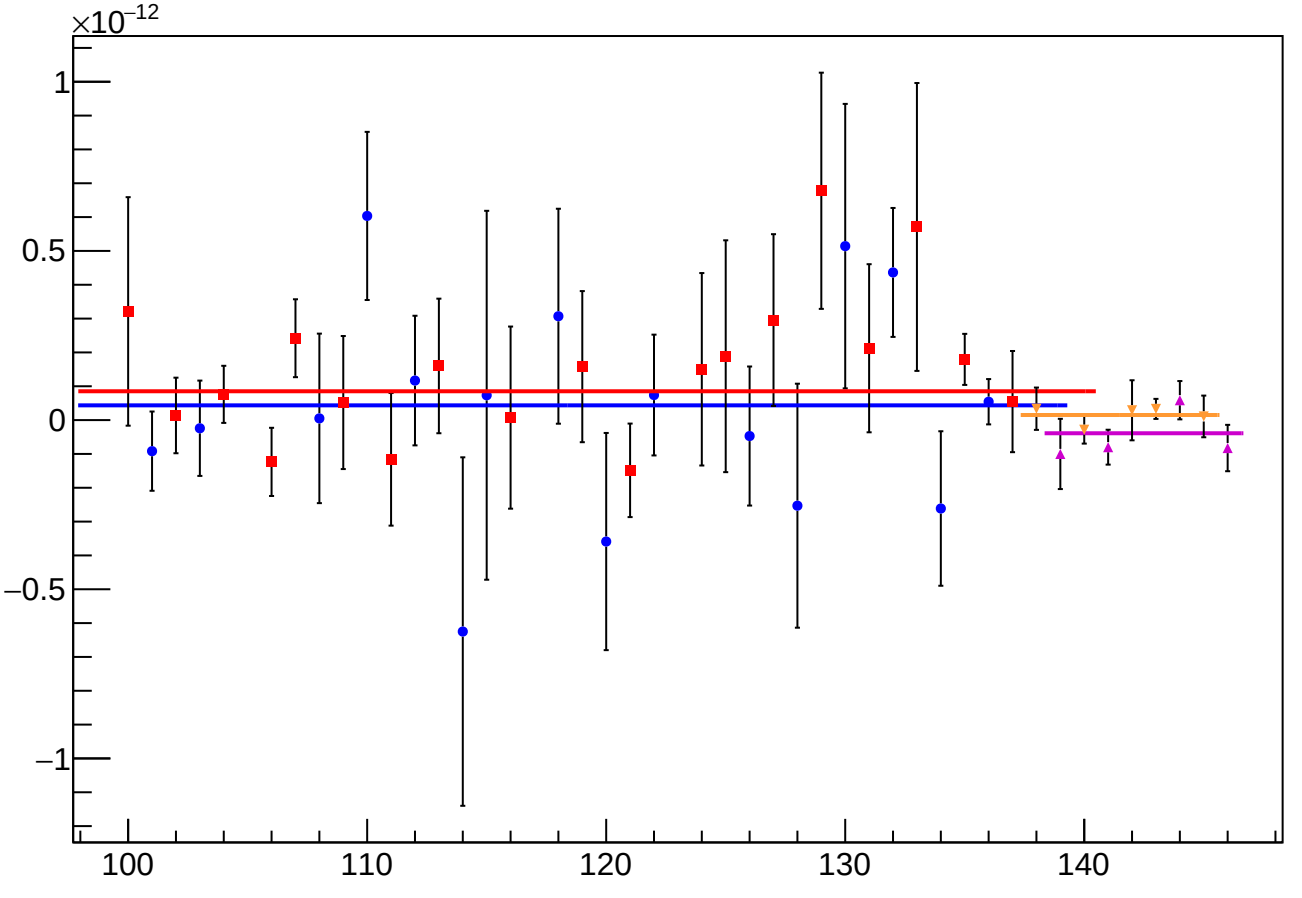
Left: 304.295+/-0.087 χ^2/NDF: 1887941.7/8

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 149.238+/-0.037 χ^2/NDF:4951078.9/23

All: 155.705+/-0.027 χ^2/NDF: 7731318.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/3

Left: -0.000+/-0.000 χ^2/NDF: 8.0/8

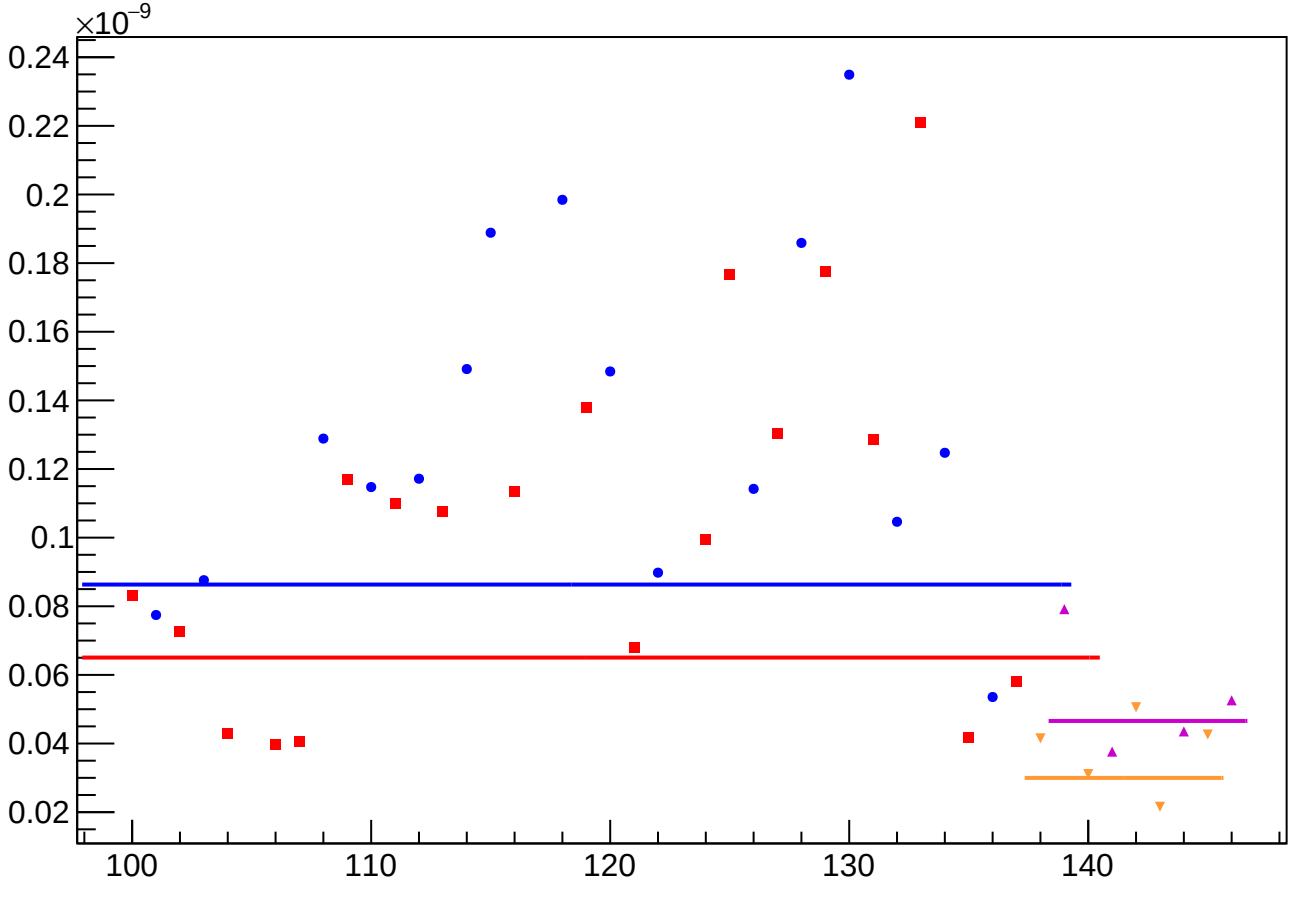
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/19

Out: 0.000+/-0.000 χ^2/NDF:22.9/23

All: 0.000+/-0.000 χ^2/NDF: 50.6/43

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:422011.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

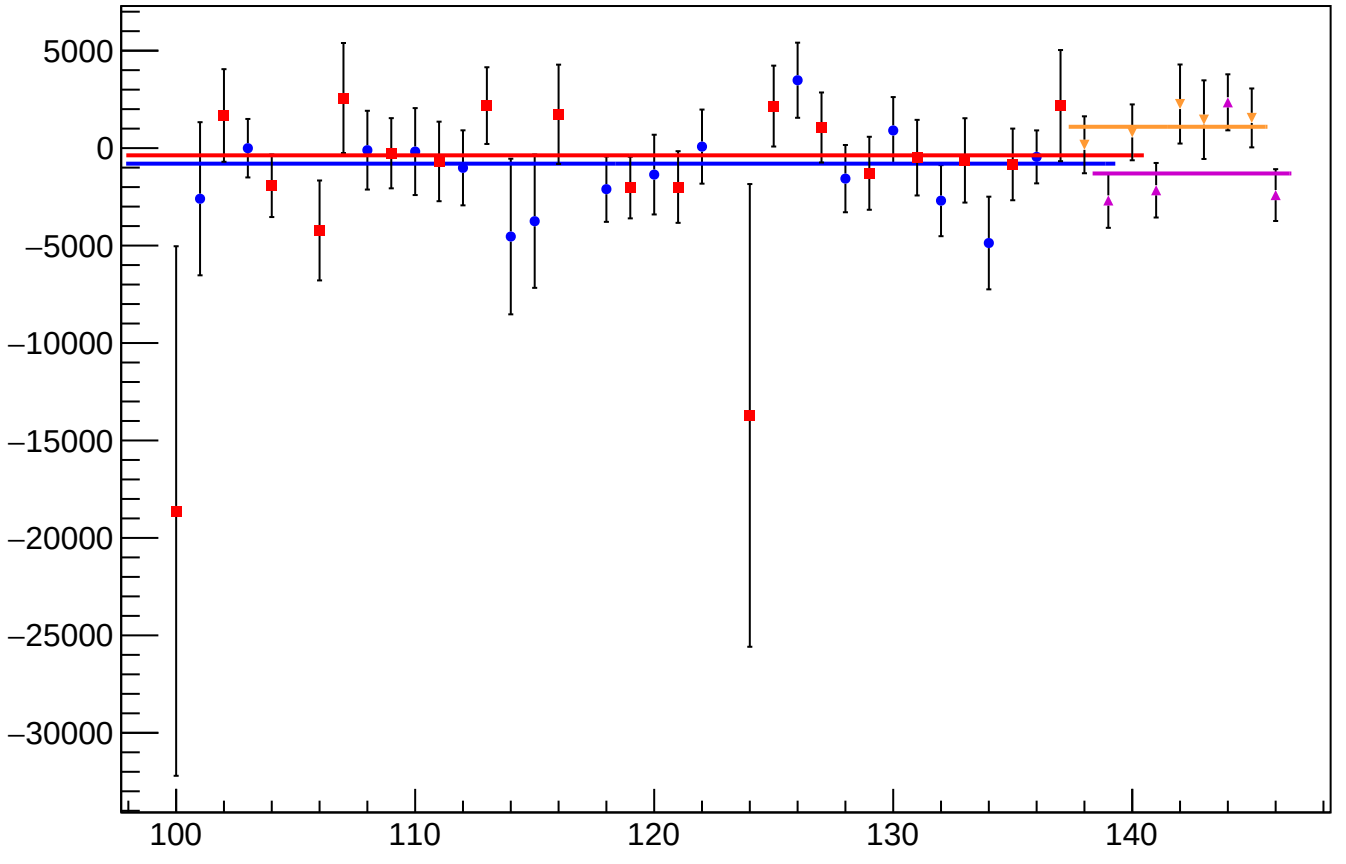
Left: 0.000+/-0.000 χ^2/NDF: 1086533.1/8

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2959604.3/19

Out: 0.000+/-0.000 χ^2/NDF:4126249.8/23

All: 0.000+/-0.000 χ^2/NDF: 8047653.1/43



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 1095.395+/-728.918 χ^2/NDF:0.9/4

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -1300.787+/-695.777 χ^2/NDF:8.5/3

Left: -158.405+/-503.297 χ^2/NDF: 15.0/8

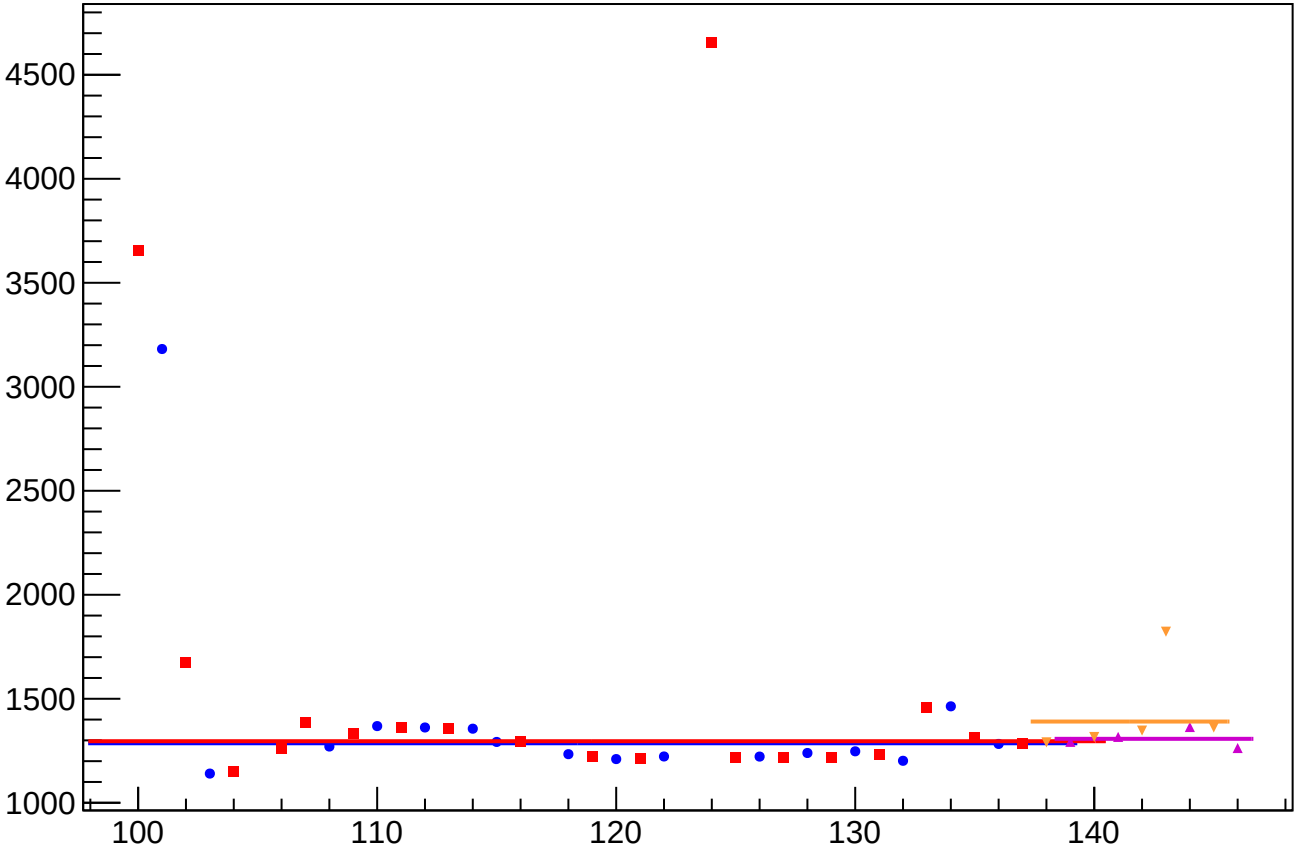
Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -963.053+/-399.227 χ^2/NDF:22.3/19

Out: 80.730+/-404.262 χ^2/NDF:19.3/23

All: -447.702+/-284.059 χ^2/NDF: 44.9/43

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1390.491+/-0.515 χ^2/NDF:108101.4/4

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

Left: 1347.015+/-0.356 χ^2/NDF: 127334.2/8

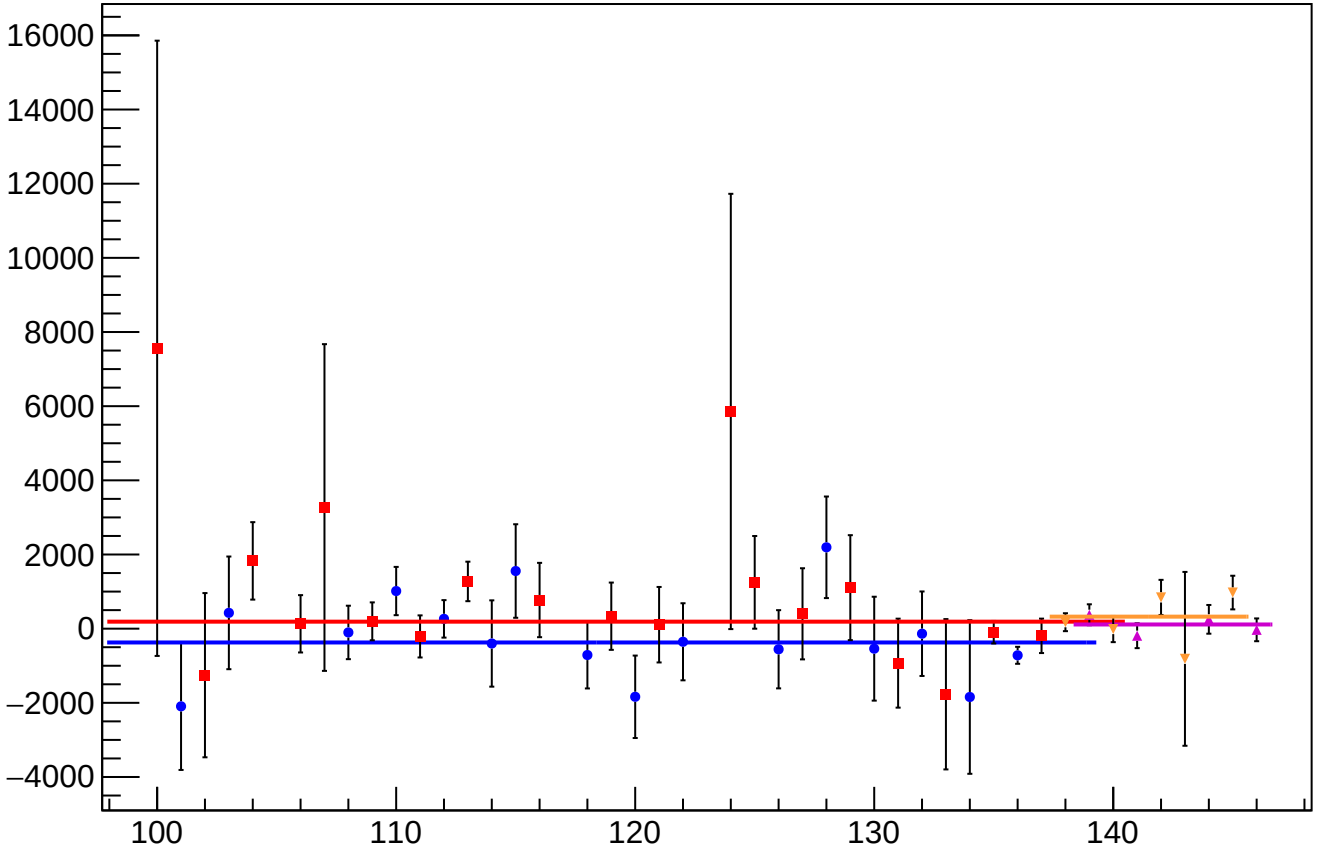
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1293.111+/-0.282 χ^2/NDF:525020.1/19

Out: 1325.024+/-0.286 χ^2/NDF:459470.6/23

All: 1308.868+/-0.201 χ^2/NDF: 990800.6/43

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: 324.322+/-169.811 χ^2/NDF:4.8/4

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 112.952+/-160.733 χ^2/NDF:2.0/3

Left: 212.837+/-116.733 χ^2/NDF: 7.6/8

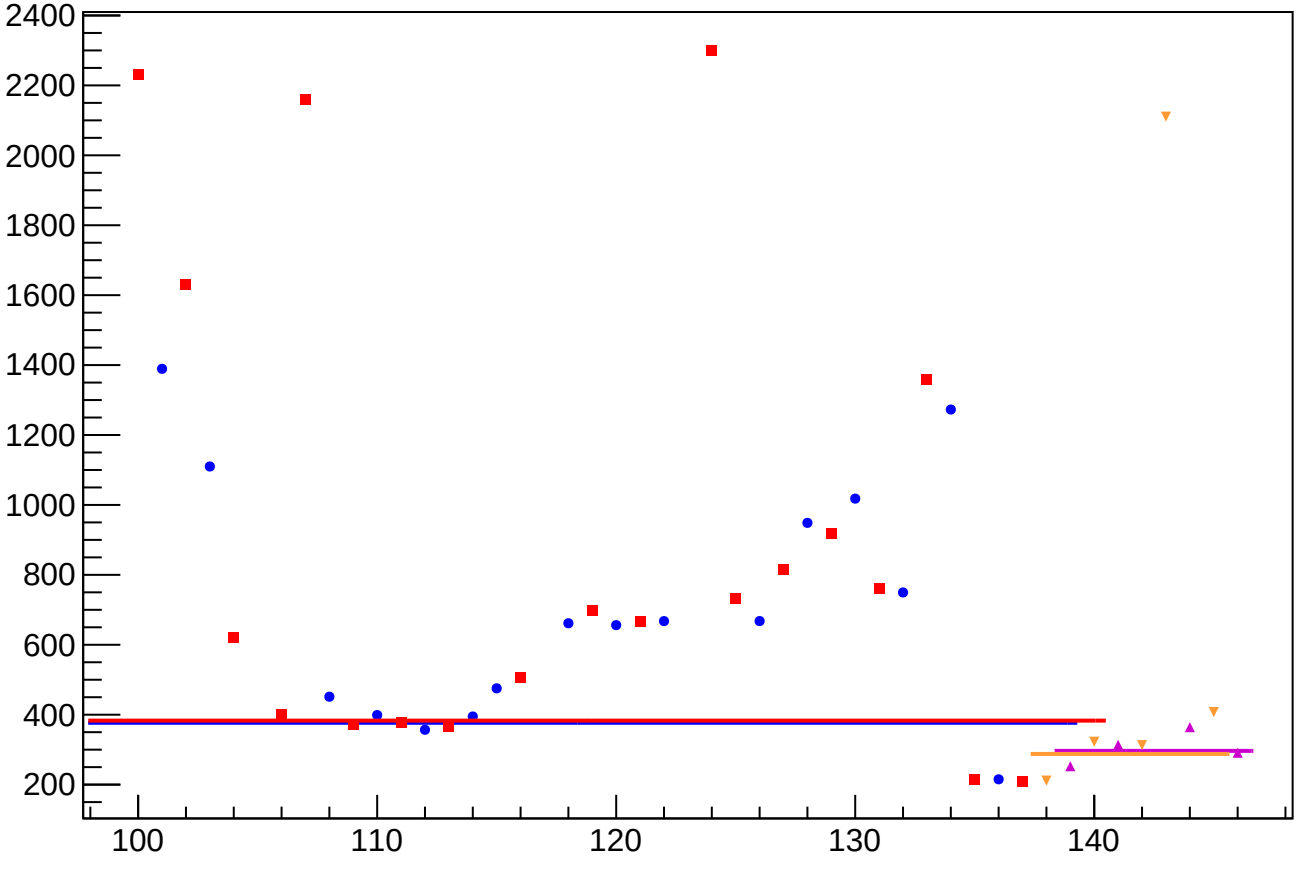
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -118.671+/-116.207 χ^2/NDF:24.5/19

Out: 256.540+/-119.991 χ^2/NDF:19.7/23

All: 62.924+/-83.476 χ^2/NDF: 49.3/43

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: 287.731+/-0.120 χ^2/NDF:1573329.6/4

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.534+/-0.114 χ^2/NDF:115766.0/3

Left: 292.374+/-0.083 χ^2/NDF: 1691930.3/8

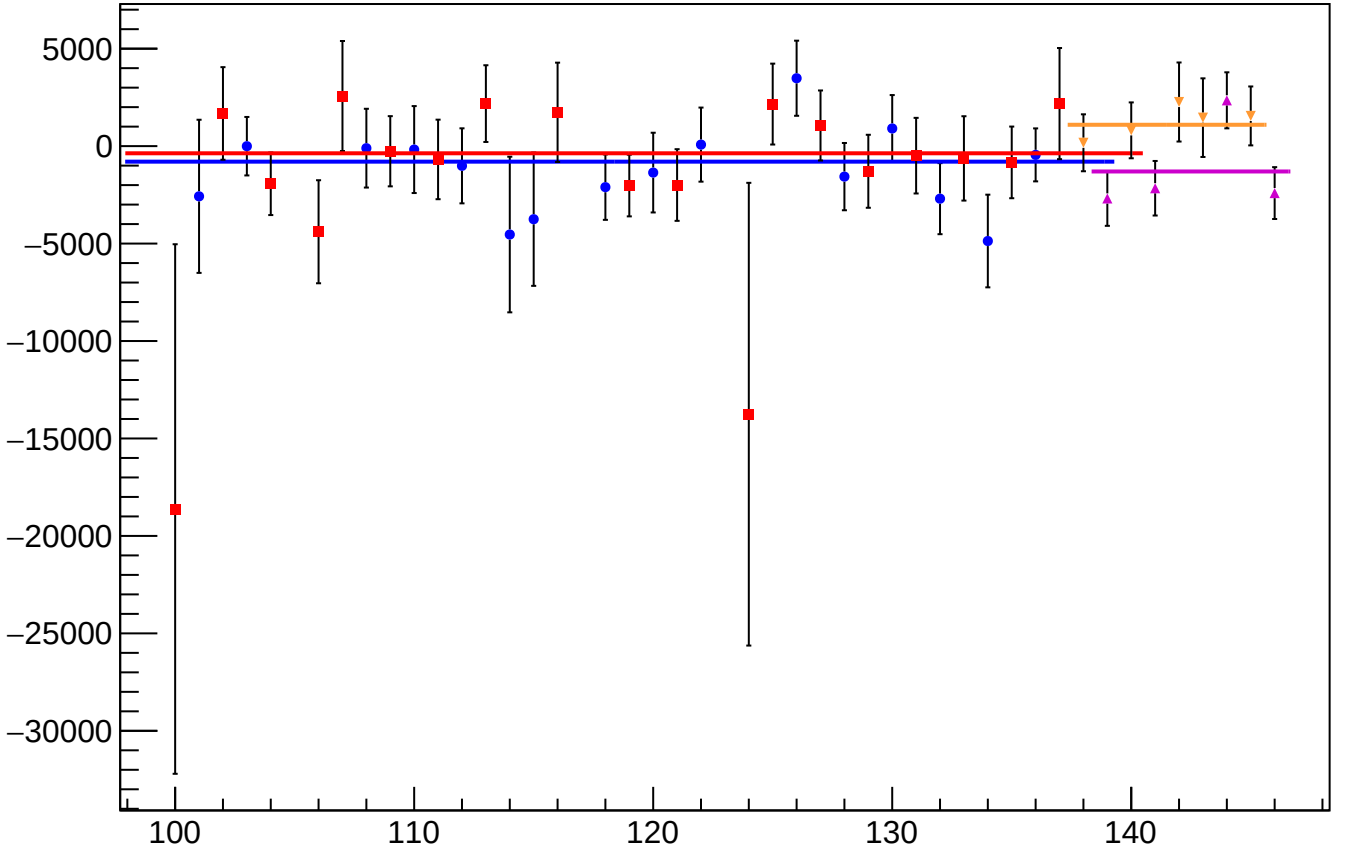
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 334.889+/-0.082 χ^2/NDF:4544565.5/19

Out: 335.469+/-0.085 χ^2/NDF:5943131.6/23

All: 335.169+/-0.059 χ^2/NDF: 10487721.1/43

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 1095.431+/-728.918 χ^2/NDF:0.9/4

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -1300.878+/-695.777 χ^2/NDF:8.5/3

Left: -158.436+/-503.297 χ^2/NDF: 15.0/8

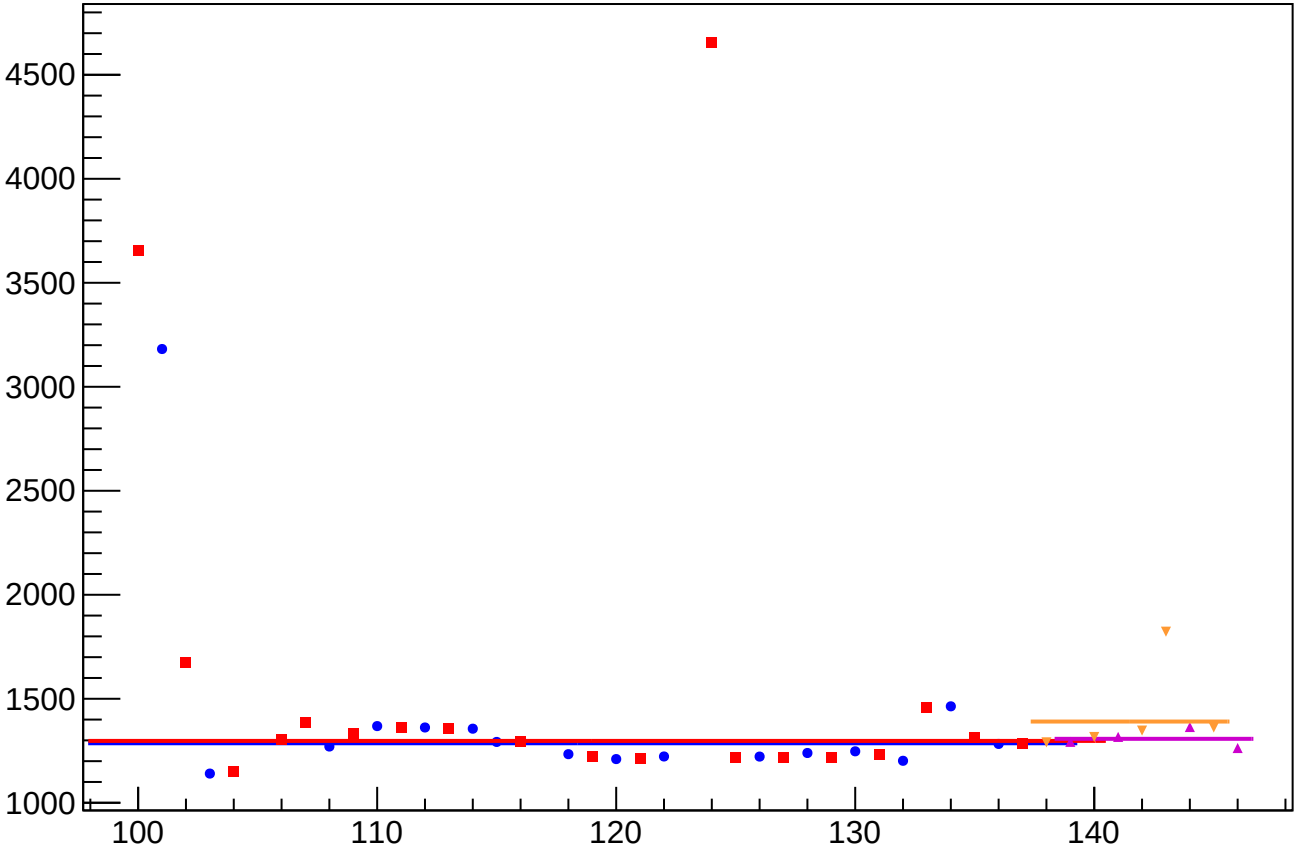
Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -962.814+/-399.227 χ^2/NDF:22.2/19

Out: 83.166+/-404.563 χ^2/NDF:19.3/23

All: -446.767+/-284.164 χ^2/NDF: 45.0/43

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1390.491+/-0.515 χ^2/NDF:108101.4/4

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

Left: 1347.015+/-0.356 χ^2/NDF: 127334.2/8

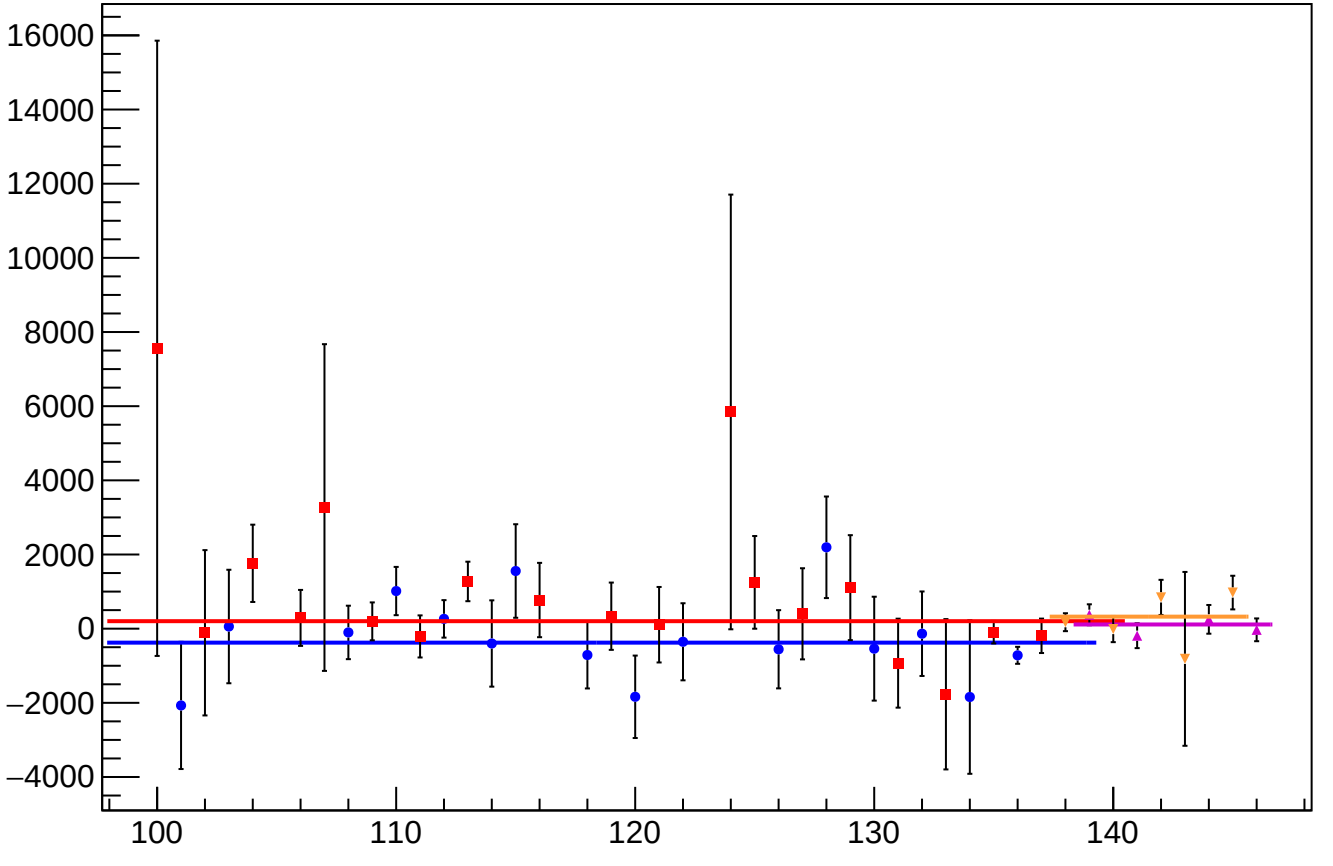
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1293.111+/-0.282 χ^2/NDF:525021.6/19

Out: 1326.072+/-0.286 χ^2/NDF:458417.7/23

All: 1309.373+/-0.201 χ^2/NDF: 990165.1/43

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: 324.380+/-169.817 χ^2/NDF:4.8/4

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 113.044+/-160.731 χ^2/NDF:2.0/3

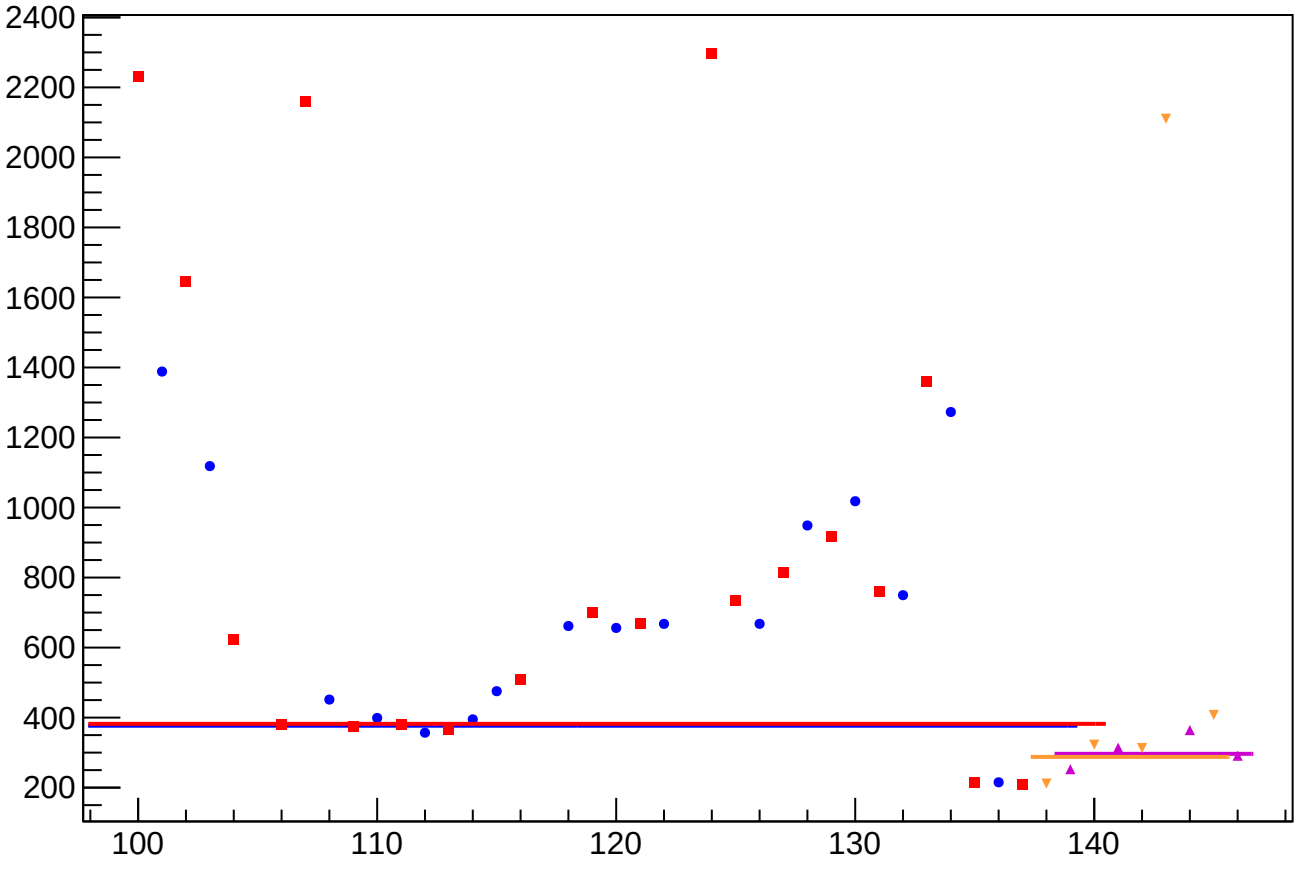
Left: 212.907+/-116.734 χ^2/NDF: 7.6/8

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -120.714+/-116.213 χ^2/NDF:24.4/19

Out: 263.103+/-119.923 χ^2/NDF:19.1/23

All: 65.165+/-83.456 χ^2/NDF: 48.7/43



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 287.743+/-0.120 χ^2/NDF:1573334.3/4

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

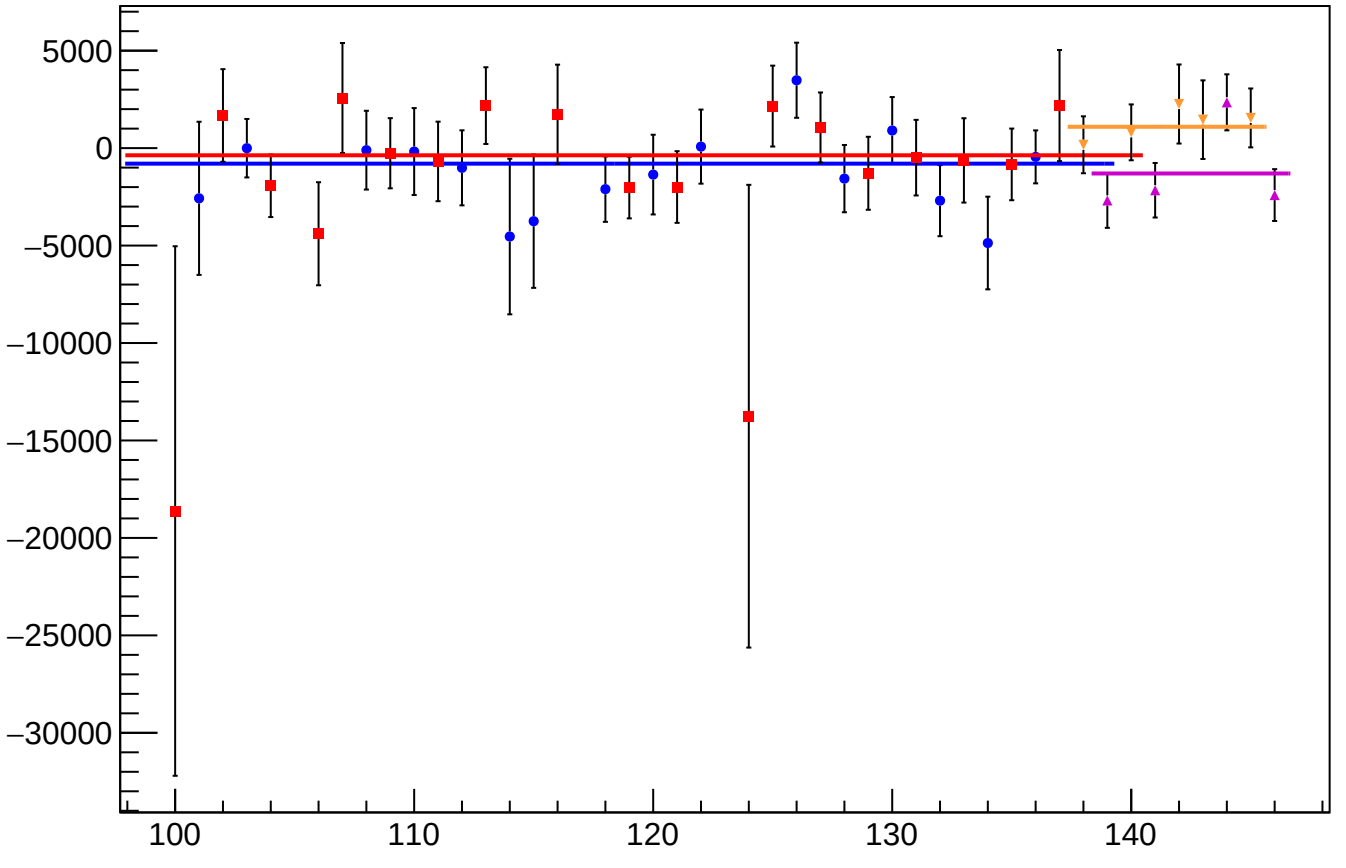
Left: 292.378+/-0.083 χ^2/NDF: 1691906.5/8

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 334.878+/-0.082 χ^2/NDF:4547620.3/19

Out: 335.062+/-0.085 χ^2/NDF:5942702.4/23

All: 334.967+/-0.059 χ^2/NDF: 10490325.1/43



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 1095.431+/-728.918 χ^2/NDF:0.9/4

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -1300.878+/-695.777 χ^2/NDF:8.5/3

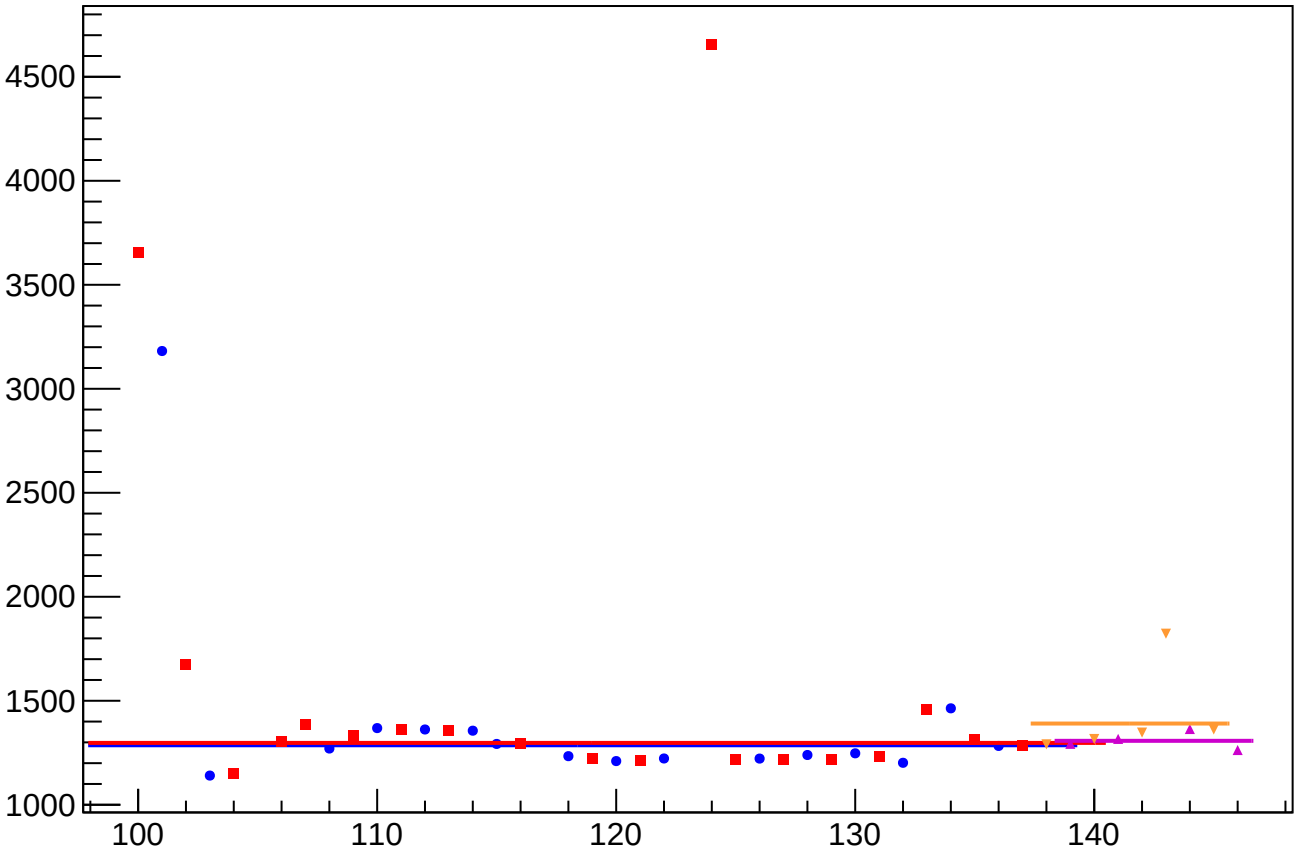
Left: -158.436+/-503.297 χ^2/NDF: 15.0/8

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -962.814+/-399.227 χ^2/NDF:22.2/19

Out: 83.166+/-404.563 χ^2/NDF:19.3/23

All: -446.767+/-284.164 χ^2/NDF: 45.0/43



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1390.491+/-0.515 χ^2/NDF:108101.4/4

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

Left: 1347.015+/-0.356 χ^2/NDF: 127334.2/8

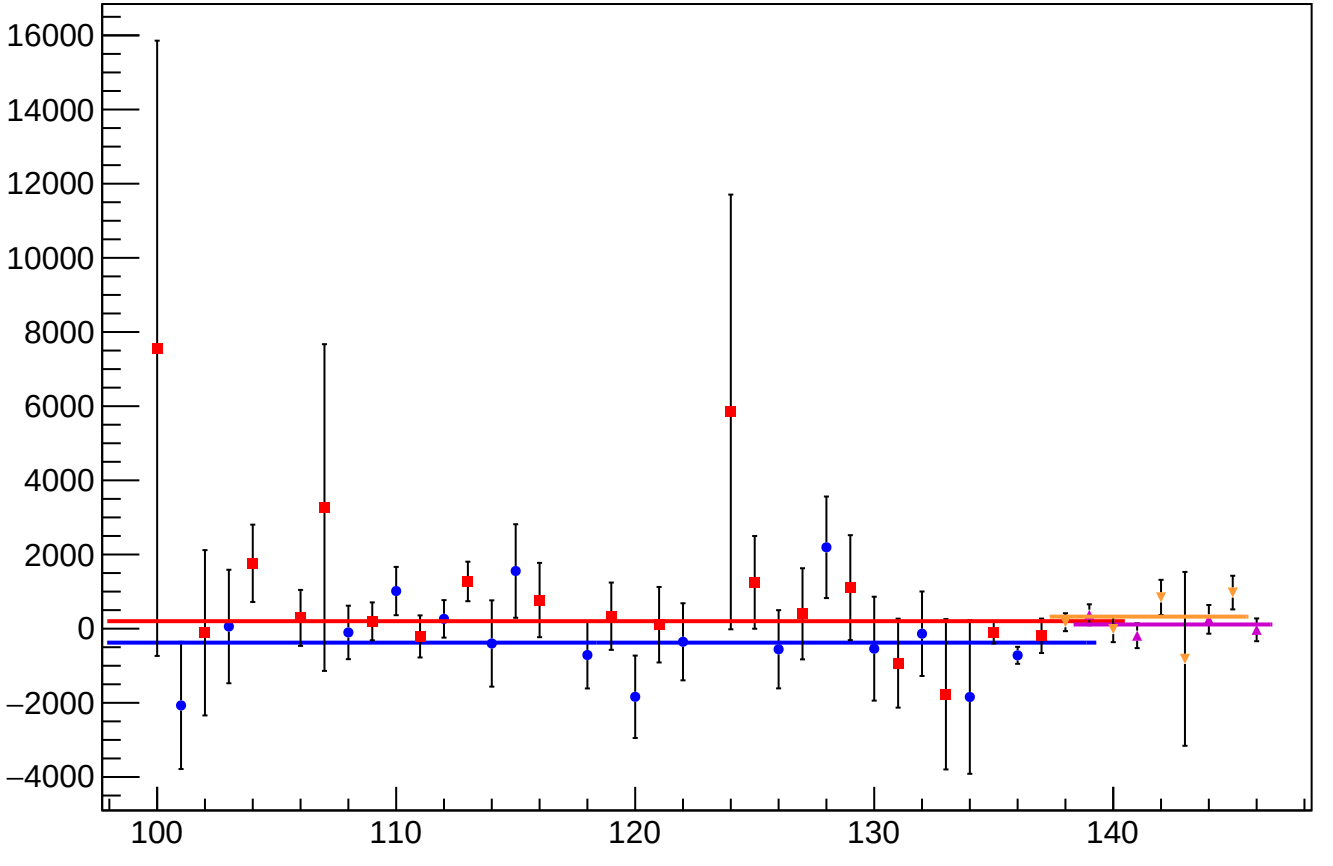
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1293.111+/-0.282 χ^2/NDF:525021.6/19

Out: 1326.072+/-0.286 χ^2/NDF:458417.7/23

All: 1309.373+/-0.201 χ^2/NDF: 990165.1/43

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: 324.380+/-169.817 χ^2/NDF:4.8/4

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 113.044+/-160.731 χ^2/NDF:2.0/3

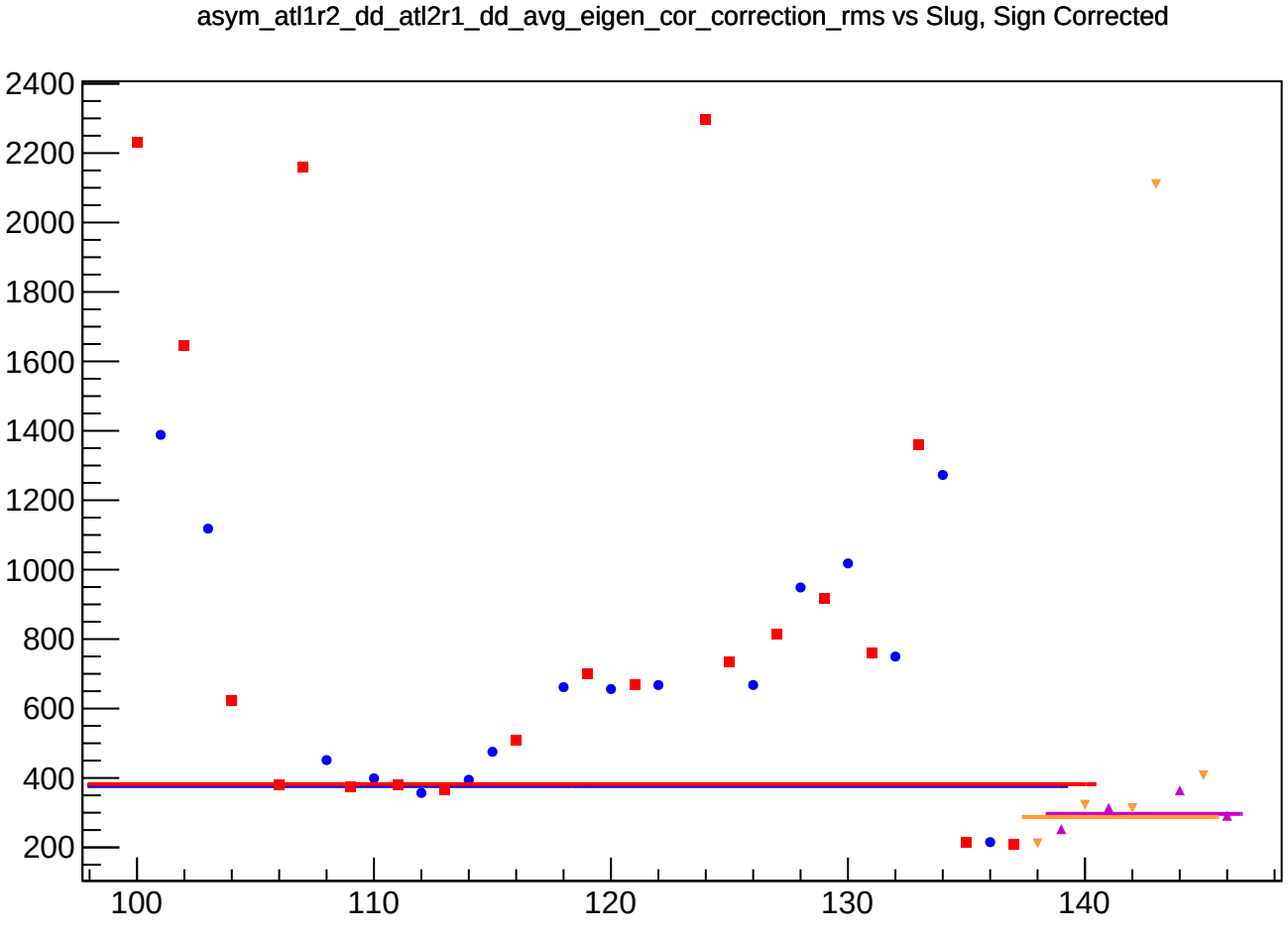
Left: 212.907+/-116.734 χ^2/NDF: 7.6/8

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -120.714+/-116.213 χ^2/NDF:24.4/19

Out: 263.103+/-119.923 χ^2/NDF:19.1/23

All: 65.165+/-83.456 χ^2/NDF: 48.7/43



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 287.743+/-0.120 χ^2/NDF:1573334.3/4

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

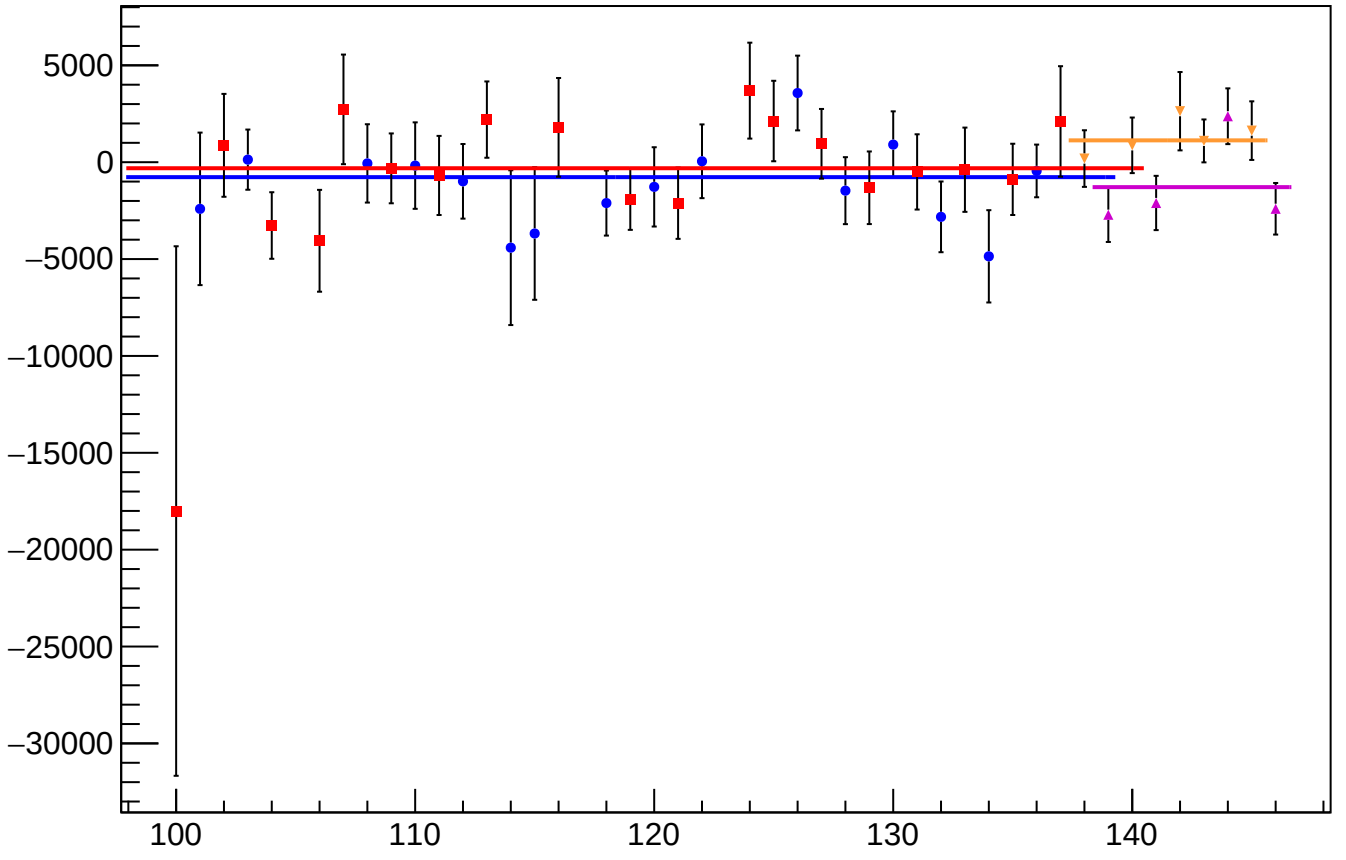
Left: 292.378+/-0.083 χ^2/NDF: 1691906.5/8

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 334.878+/-0.082 χ^2/NDF:4547620.3/19

Out: 335.062+/-0.085 χ^2/NDF:5942702.4/23

All: 334.967+/-0.059 χ^2/NDF: 10490325.1/43



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 1127.187+/-638.641 χ^2/NDF:1.1/4

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -1287.022+/-696.377 χ^2/NDF:8.5/3

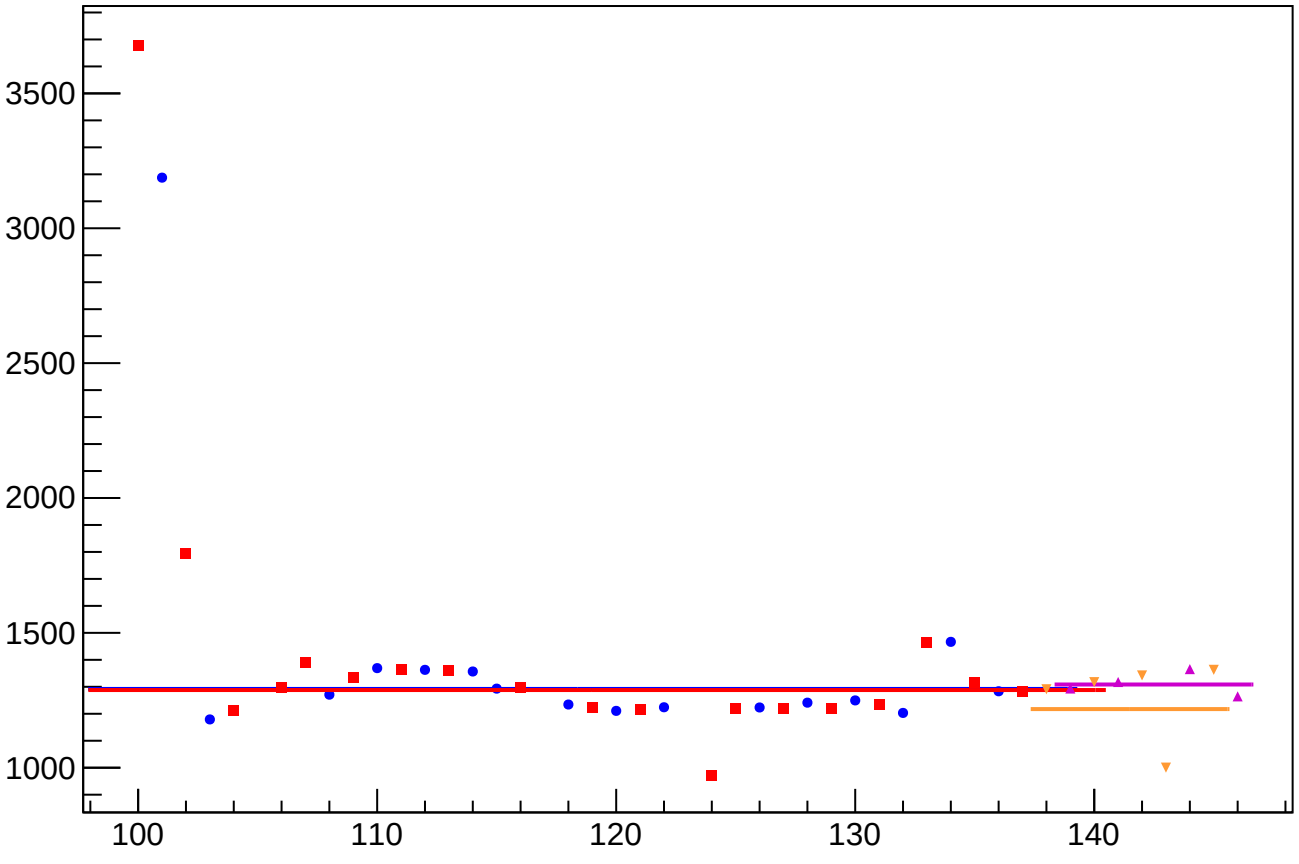
Left: 24.296+/-470.677 χ^2/NDF: 16.2/8

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -942.031+/-400.519 χ^2/NDF:22.5/19

Out: 211.539+/-385.052 χ^2/NDF:22.3/23

All: -342.541+/-277.580 χ^2/NDF: 49.1/43



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1217.380+/-0.452 χ^2/NDF:117768.6/4

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

Left: 1259.017+/-0.333 χ^2/NDF: 142013.7/8

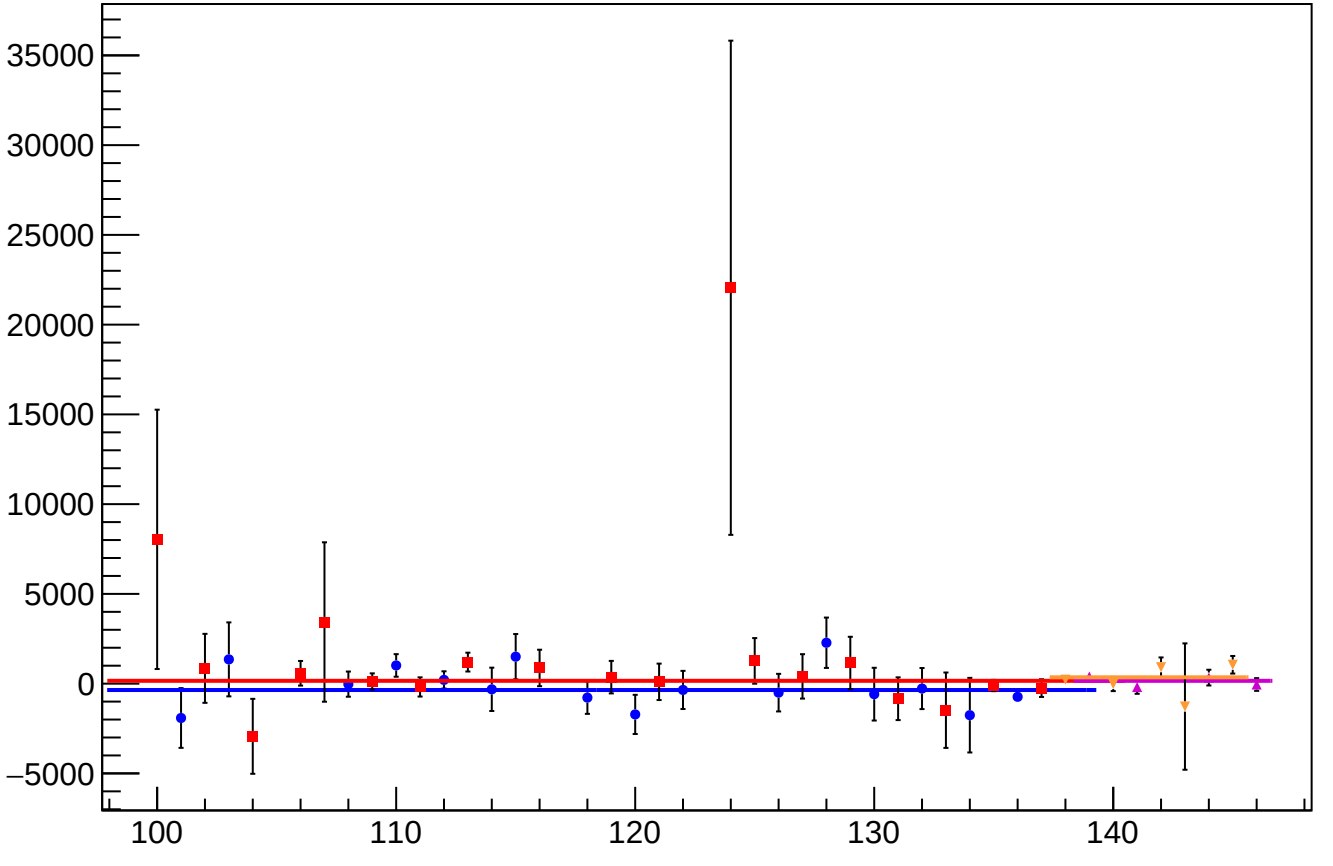
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1297.491+/-0.283 χ^2/NDF:515792.6/19

Out: 1262.321+/-0.272 χ^2/NDF:342537.7/23

All: 1279.214+/-0.196 χ^2/NDF: 866344.6/43

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: 352.458+/-179.843 χ^2/NDF:4.5/4

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 156.827+/-173.571 χ^2/NDF:2.1/3

Left: 251.172+/-124.892 χ^2/NDF: 7.2/8

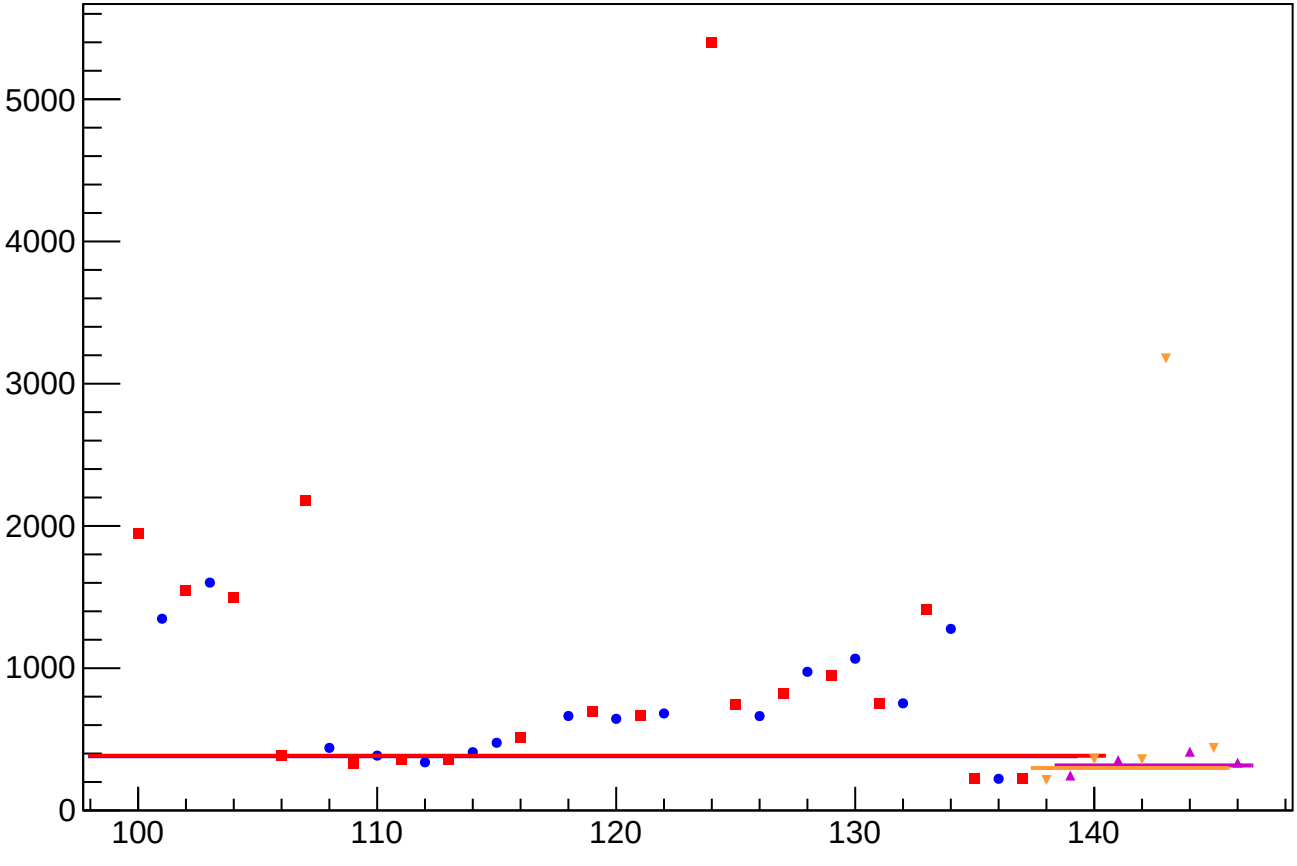
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -104.565+/-121.440 χ^2/NDF:25.0/19

Out: 249.530+/-123.413 χ^2/NDF:21.0/23

All: 69.630+/-86.560 χ^2/NDF: 50.1/43

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 298.312+/-0.127 χ^2/NDF:1821050.2/4

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 316.615+/-0.123 χ^2/NDF:253502.1/3

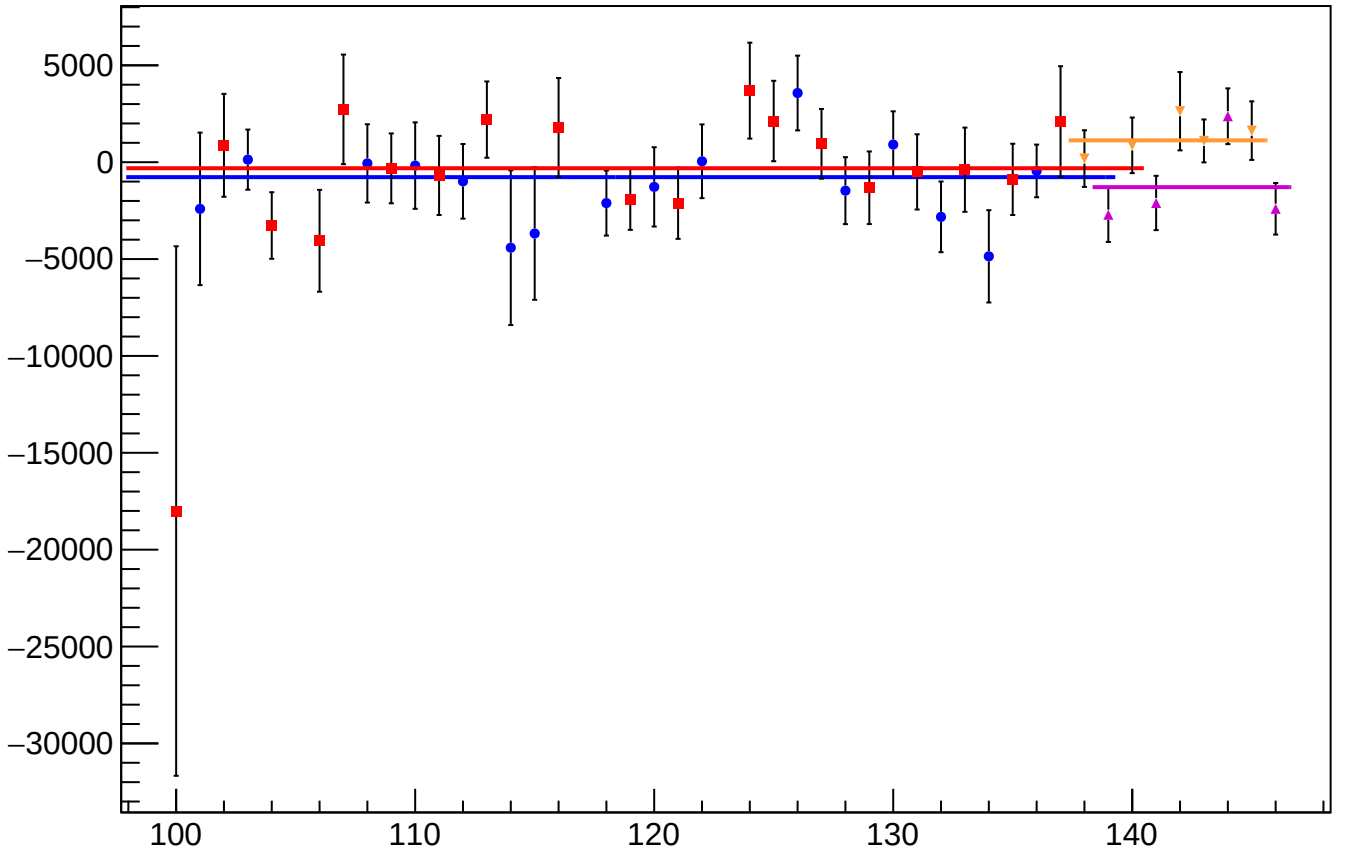
Left: 307.788+/-0.088 χ^2/NDF: 2085277.8/8

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 349.660+/-0.086 χ^2/NDF:4713434.9/19

Out: 343.993+/-0.087 χ^2/NDF:6625147.1/23

All: 346.873+/-0.061 χ^2/NDF: 11340724.4/43



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 1127.187+/-638.641 χ^2/NDF:1.1/4

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -1287.017+/-696.377 χ^2/NDF:8.5/3

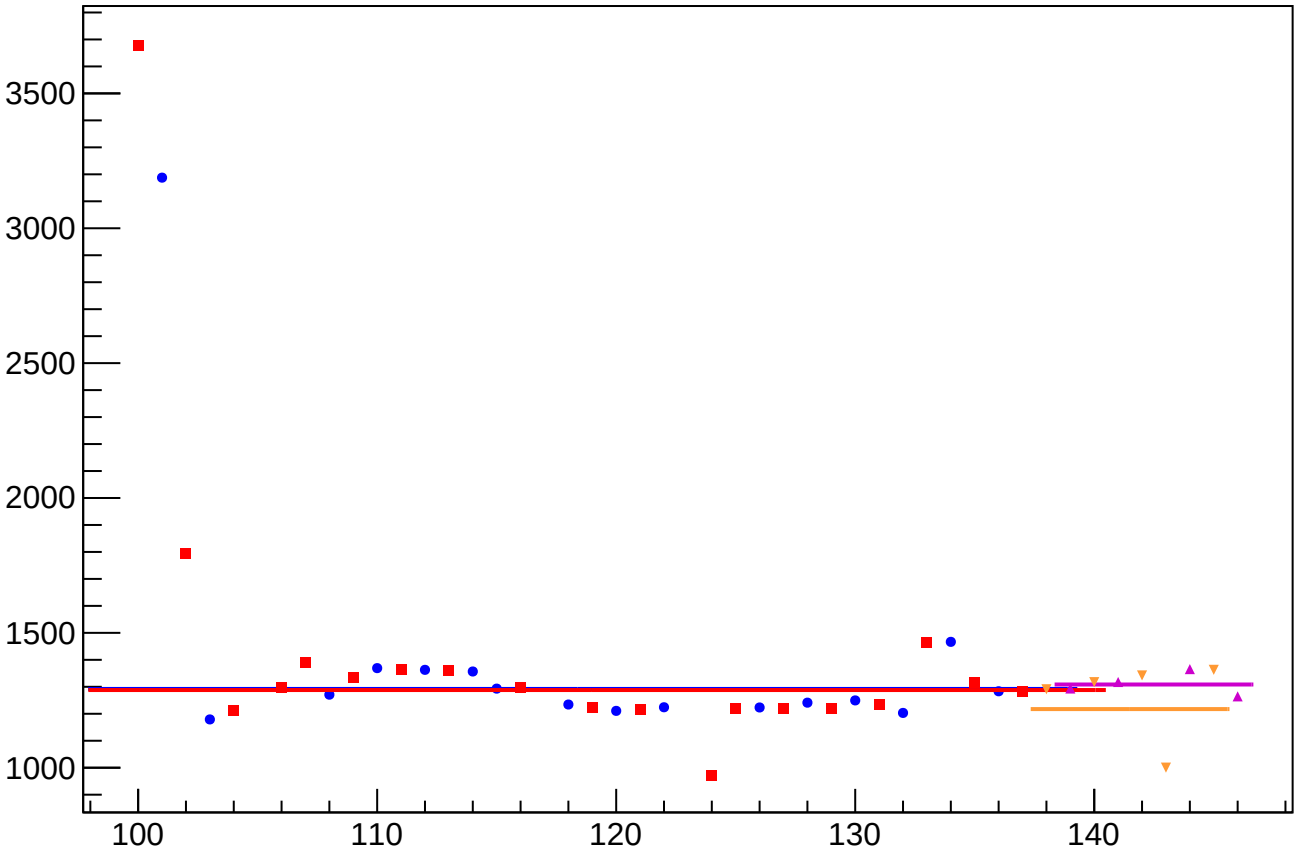
Left: 24.298+/-470.677 χ^2/NDF: 16.2/8

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -942.031+/-400.519 χ^2/NDF:22.5/19

Out: 211.538+/-385.052 χ^2/NDF:22.3/23

All: -342.542+/-277.580 χ^2/NDF: 49.1/43



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1217.380+/-0.452 χ^2/NDF:117767.9/4

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

Left: 1259.017+/-0.333 χ^2/NDF: 142012.9/8

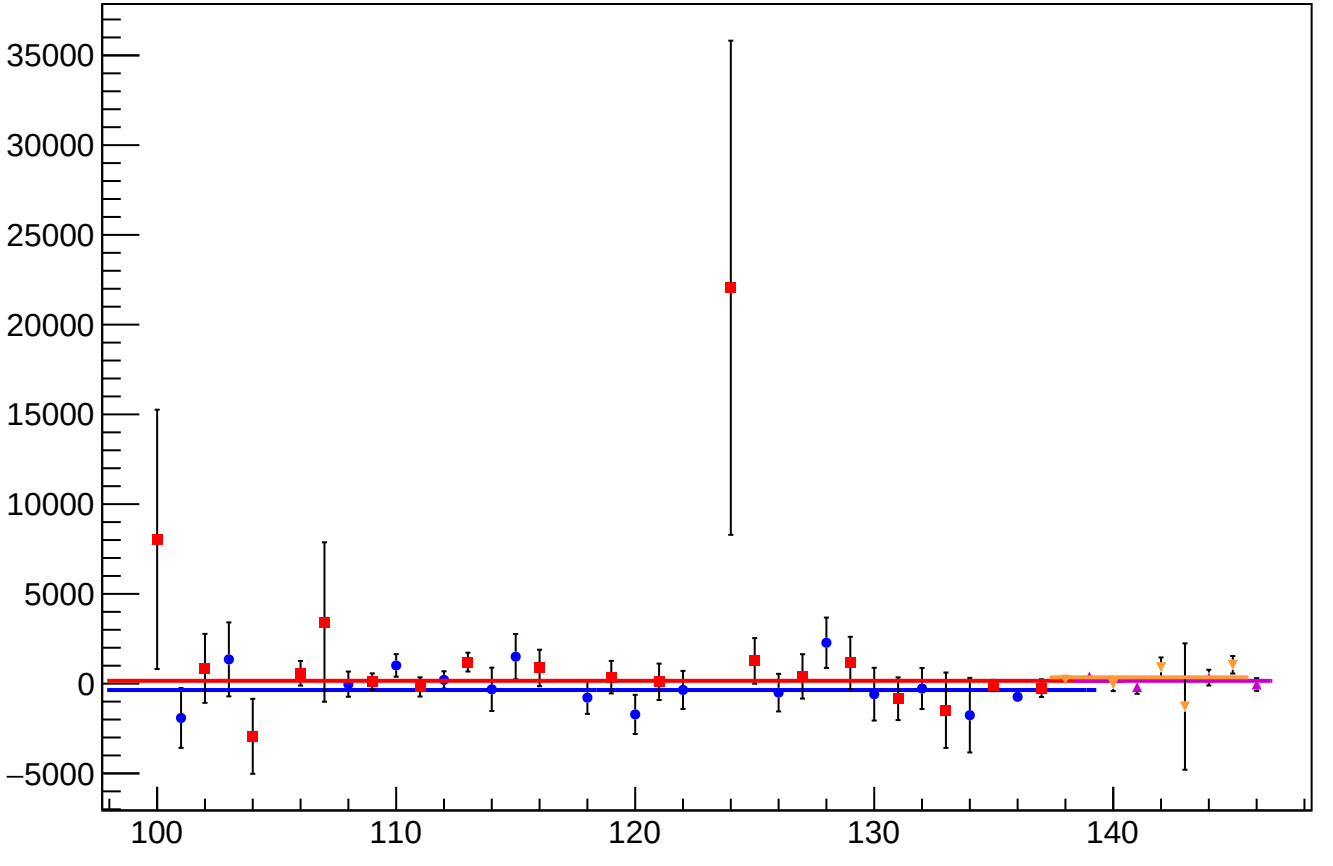
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1297.491+/-0.283 χ^2/NDF:515792.6/19

Out: 1262.321+/-0.272 χ^2/NDF:342537.1/23

All: 1279.214+/-0.196 χ^2/NDF: 866343.9/43

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: 352.476+/-179.850 χ^2/NDF:4.5/4

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 156.827+/-173.575 χ^2/NDF:2.1/3

Left: 251.179+/-124.895 χ^2/NDF: 7.2/8

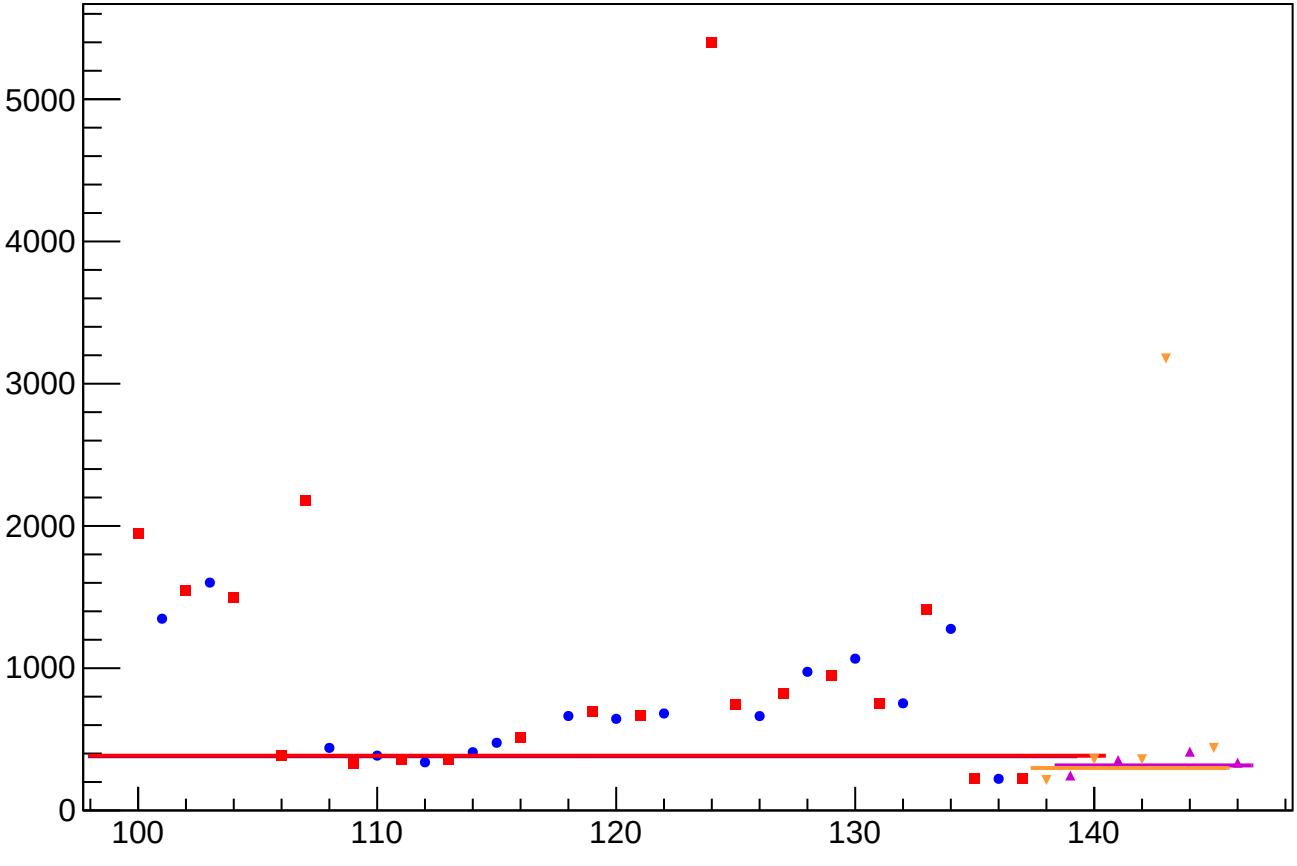
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -104.567+/-121.443 χ^2/NDF:25.0/19

Out: 249.539+/-123.416 χ^2/NDF:21.0/23

All: 69.633+/-86.562 χ^2/NDF: 50.1/43

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: 298.325+/-0.127 χ^2/NDF:1820952.9/4

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 316.624+/-0.123 χ^2/NDF:253434.2/3

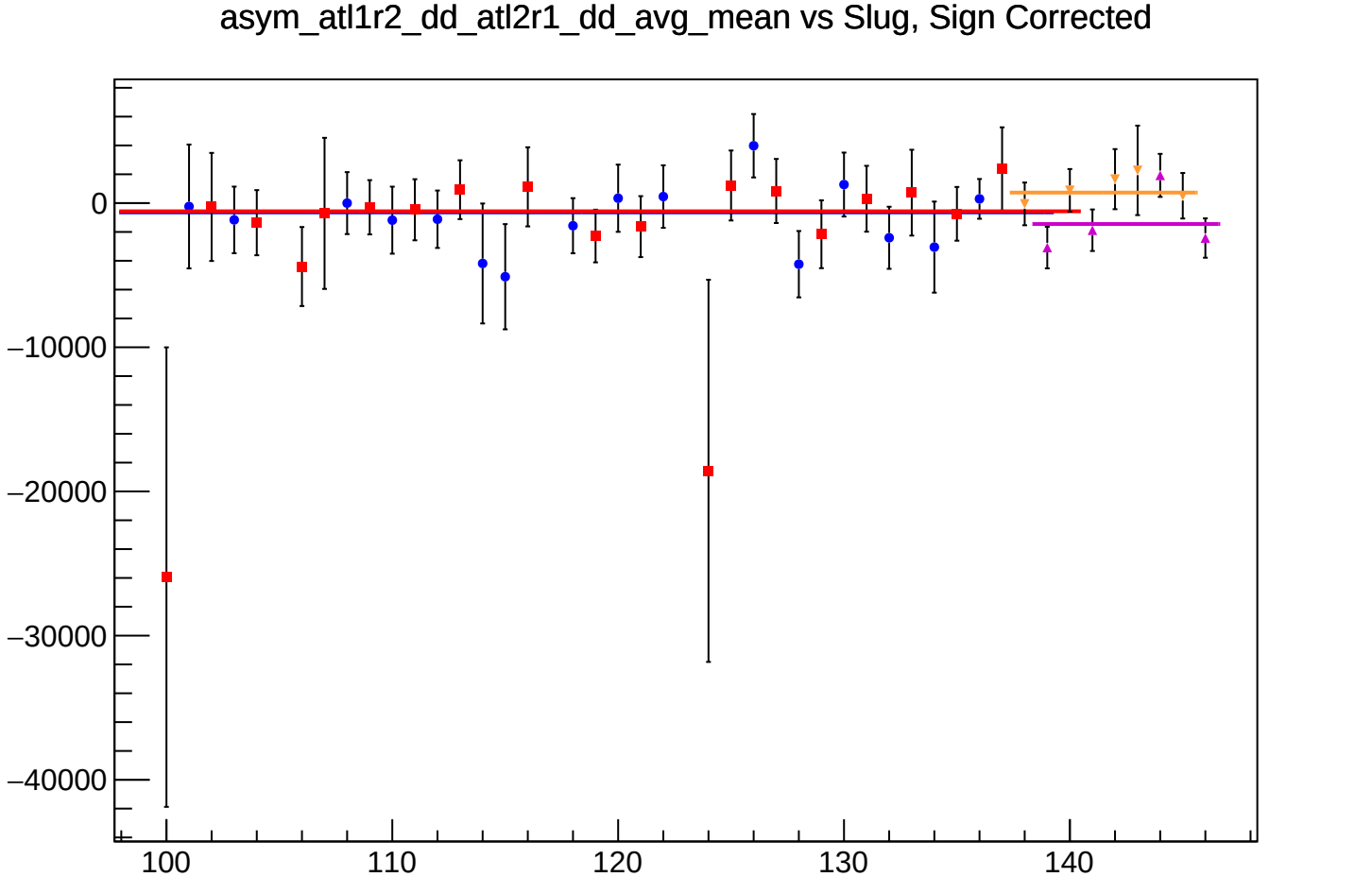
Left: 307.800+/-0.088 χ^2/NDF: 2085106.7/8

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 349.670+/-0.086 χ^2/NDF:4713179.4/19

Out: 344.005+/-0.087 χ^2/NDF:6624863.5/23

All: 346.883+/-0.061 χ^2/NDF: 11340183.9/43



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 731.111+/-778.962 χ^2/NDF:0.8/4

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -1450.037+/-716.396 χ^2/NDF:7.0/3

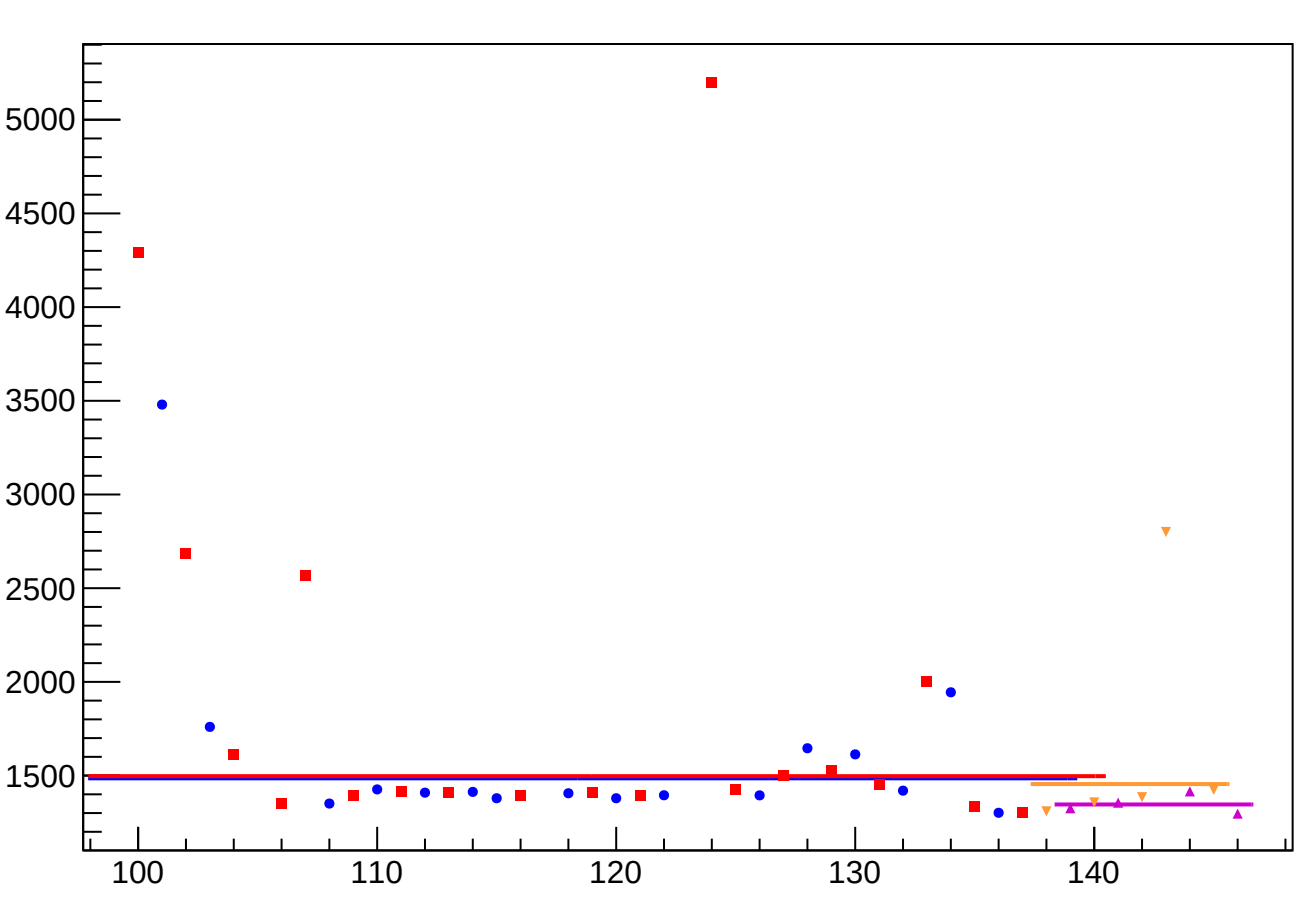
Left: -450.563+/-527.302 χ^2/NDF: 12.0/8

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -950.709+/-443.325 χ^2/NDF:20.3/19

Out: -117.824+/-458.299 χ^2/NDF:13.9/23

All: -548.095+/-318.640 χ^2/NDF: 35.9/43



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1454.719+/-0.551 χ^2/NDF:407025.6/4

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1345.885+/-0.507 χ^2/NDF:7419.8/3

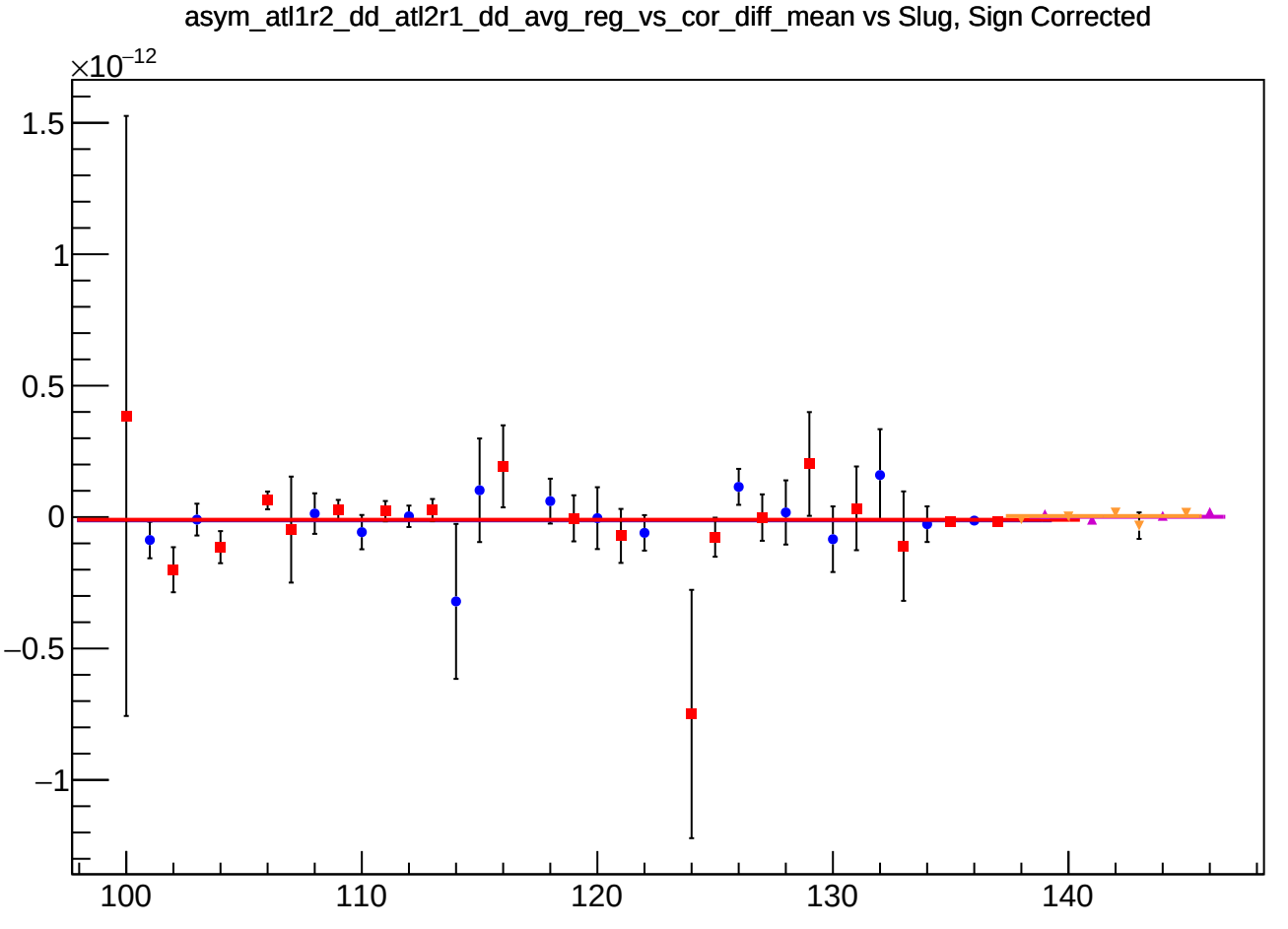
Left: 1395.756+/-0.373 χ^2/NDF: 435596.7/8

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1431.955+/-0.313 χ^2/NDF:638674.6/19

Out: 1482.276+/-0.324 χ^2/NDF:1034146.6/23

All: 1456.280+/-0.225 χ^2/NDF: 1685277.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/3

Left: 0.000+/-0.000 χ^2/NDF: 14.1/8

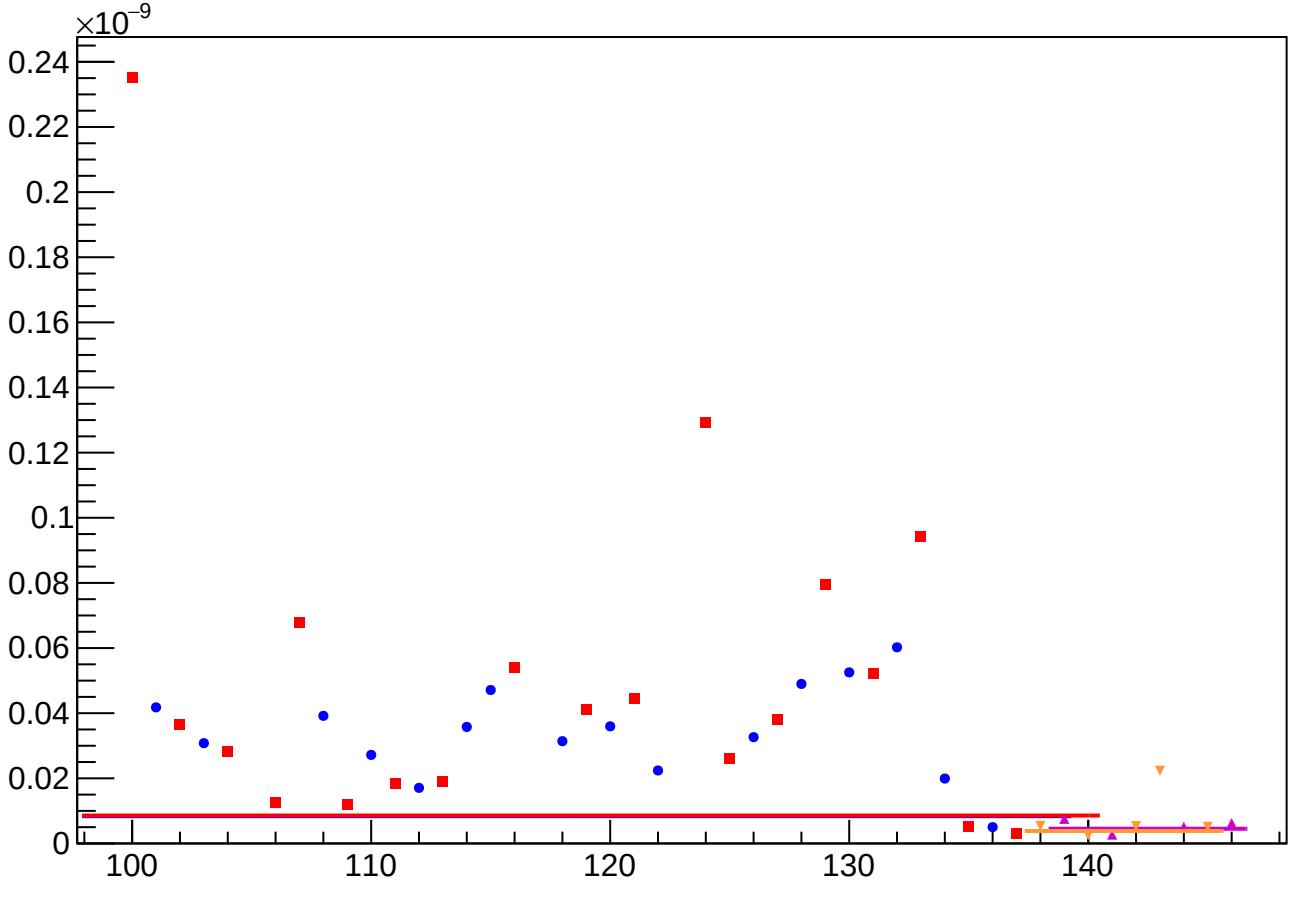
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:19.8/19

Out: 0.000+/-0.000 χ^2/NDF:30.9/23

All: 0.000+/-0.000 χ^2/NDF: 51.3/43

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:562090.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:420445.3/3

Left: 0.000+/-0.000 χ^2/NDF: 1015100.7/8

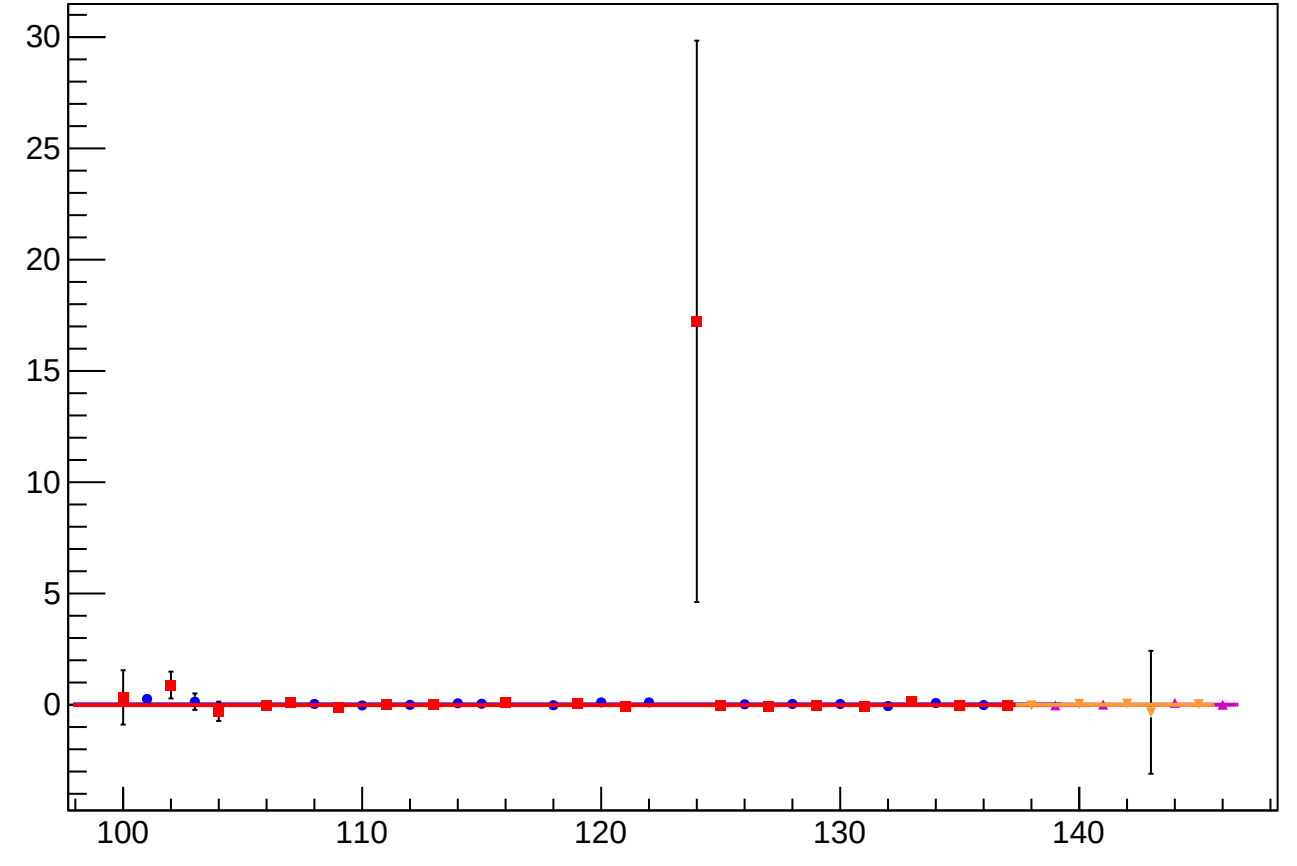
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3899957.6/19

Out: 0.000+/-0.000 χ^2/NDF:4492735.3/23

All: 0.000+/-0.000 χ^2/NDF: 8440293.0/43

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: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: 0.004+/-0.014 χ^2/NDF: 6.5/8

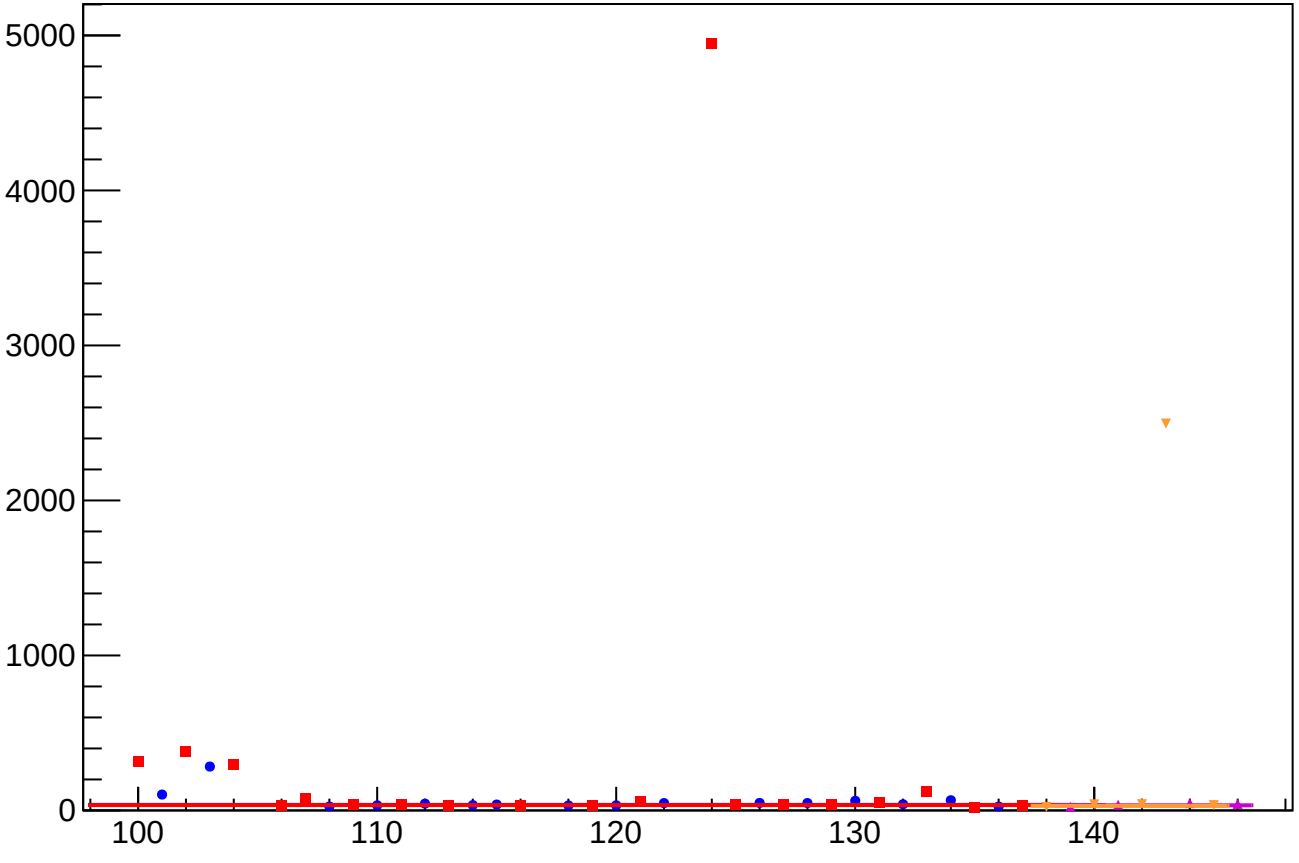
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.007+/-0.012 χ^2/NDF:19.5/23

All: 0.002+/-0.009 χ^2/NDF: 35.9/43

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: 29.891+/-0.014 χ^2/NDF:1894945.5/4

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

Left: 31.508+/-0.010 χ^2/NDF: 2378386.2/8

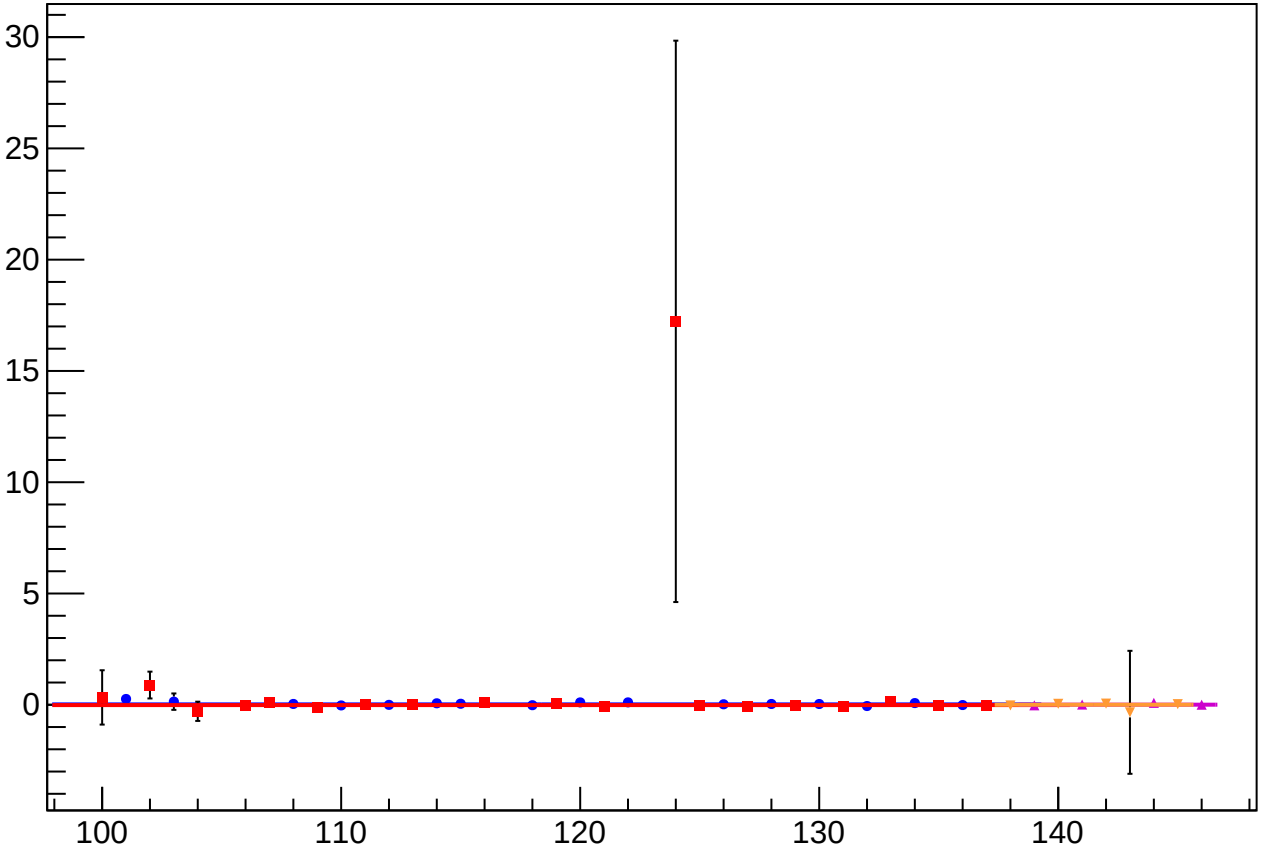
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.779+/-0.009 χ^2/NDF:2742112.0/19

Out: 32.917+/-0.009 χ^2/NDF:4884680.9/23

All: 33.851+/-0.006 χ^2/NDF: 7649912.6/43

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: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: 0.004+/-0.014 χ^2/NDF: 6.5/8

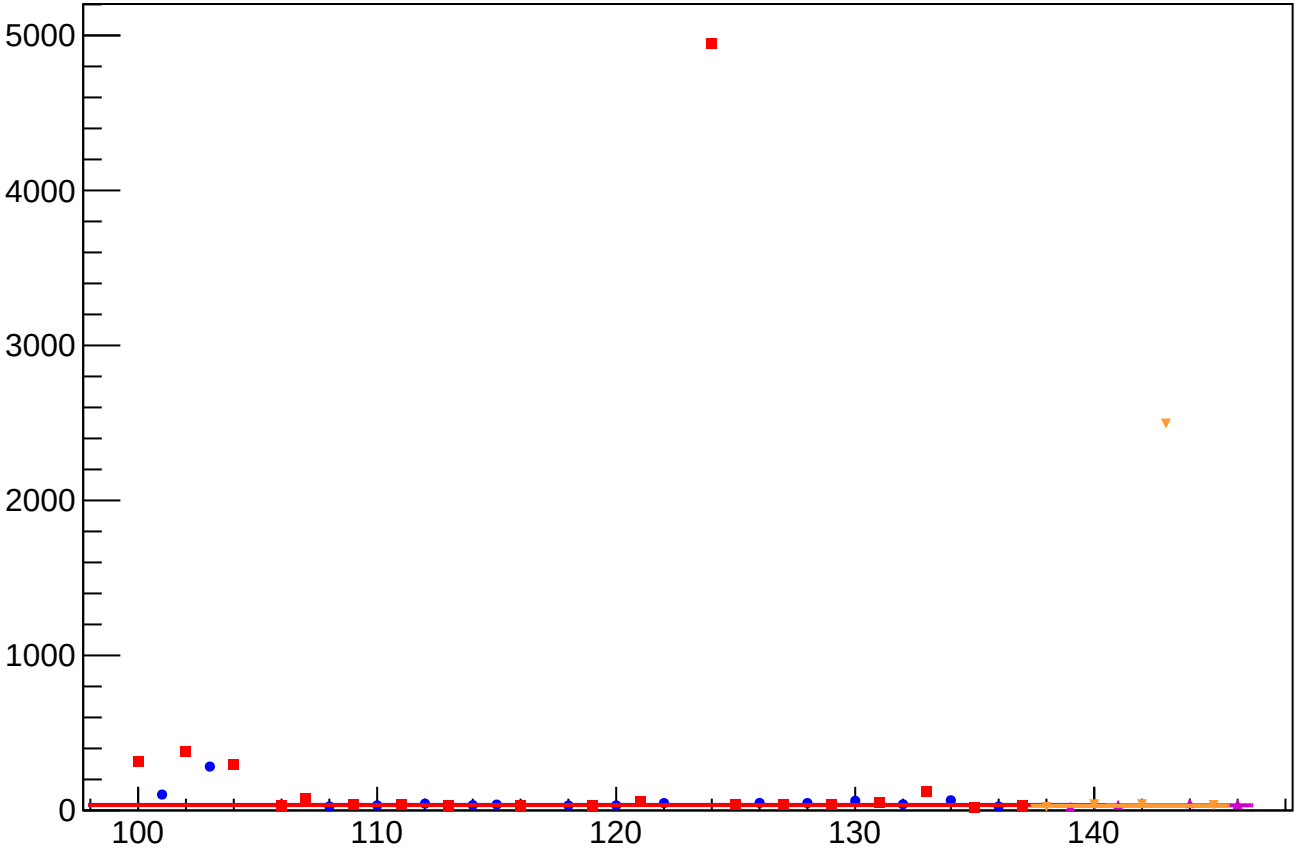
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.007+/-0.012 χ^2/NDF:19.5/23

All: 0.002+/-0.009 χ^2/NDF: 35.9/43

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: 29.891+/-0.014 χ^2/NDF:1894945.5/4

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

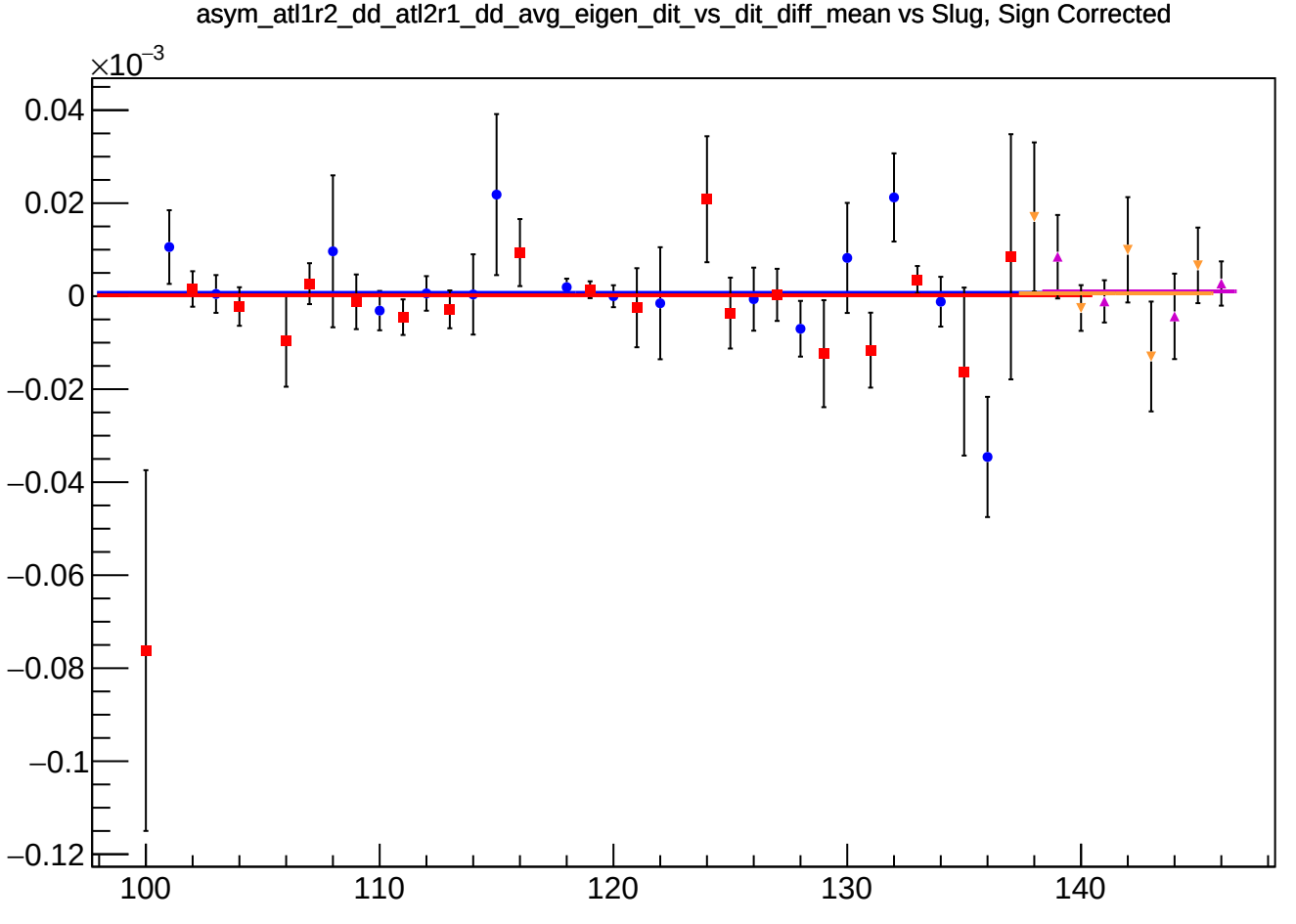
Left: 31.508+/-0.010 χ^2/NDF: 2378386.2/8

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.779+/-0.009 χ^2/NDF:2742112.0/19

Out: 32.917+/-0.009 χ^2/NDF:4884680.9/23

All: 33.851+/-0.006 χ^2/NDF: 7649912.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

Left: 0.000+/-0.000 χ^2/NDF: 5.4/8

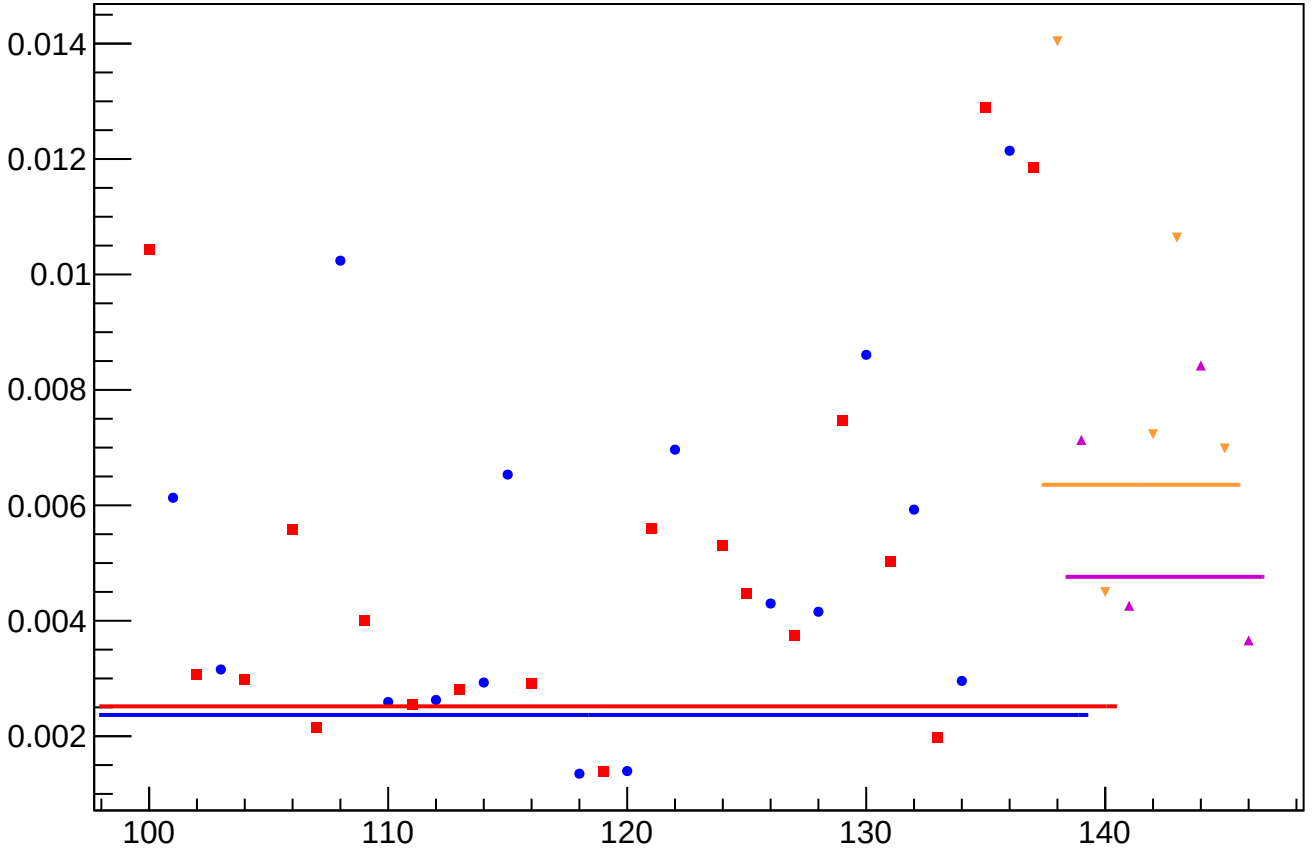
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:20.5/19

Out: 0.000+/-0.000 χ^2/NDF:22.1/23

All: 0.000+/-0.000 χ^2/NDF: 42.7/43

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: 0.006+/-0.000 χ^2/NDF:1032290.1/4

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.005+/-0.000 χ^2/NDF:588503.3/3

Left: 0.005+/-0.000 χ^2/NDF: 1853868.8/8

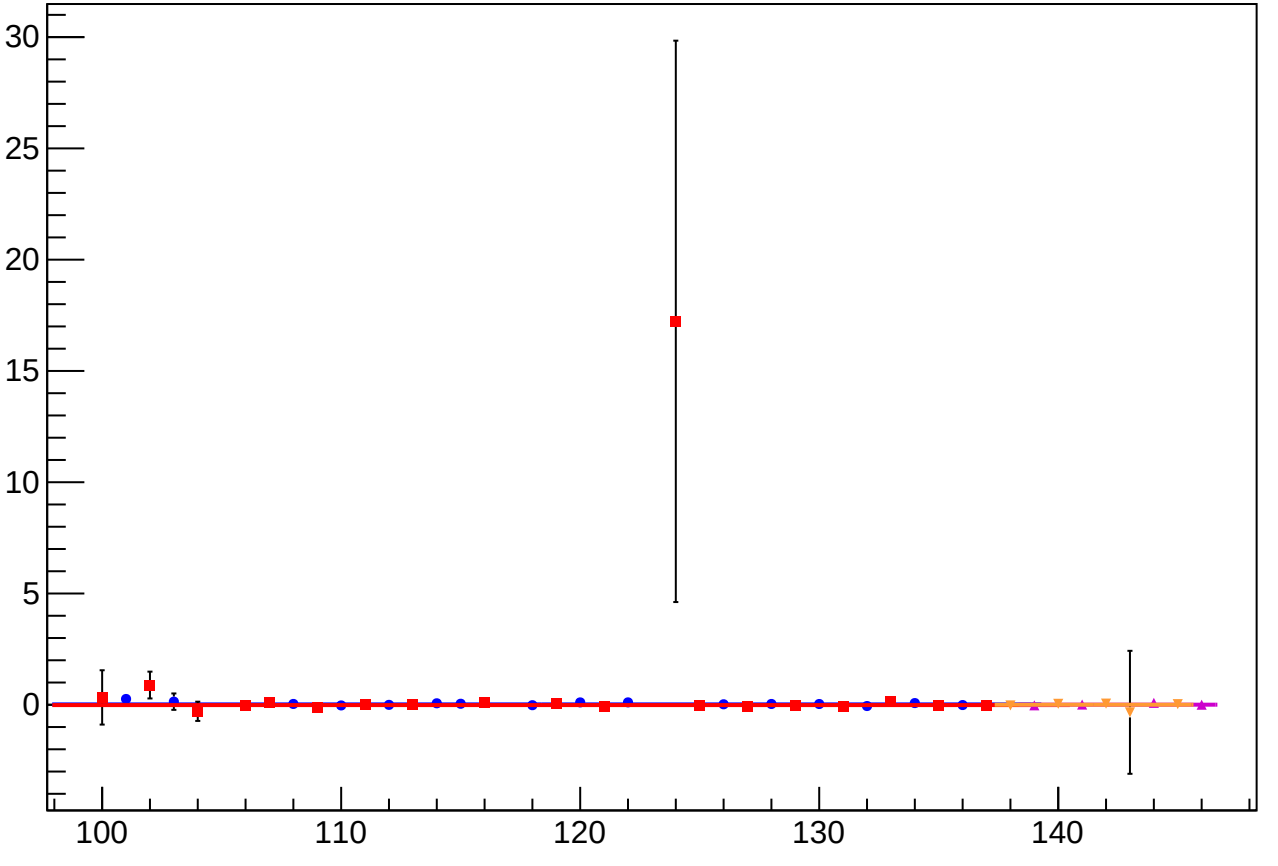
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6480979.3/19

Out: 0.003+/-0.000 χ^2/NDF:6475939.6/23

All: 0.003+/-0.000 χ^2/NDF: 12978650.0/43

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: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: 0.004+/-0.014 χ^2/NDF: 6.5/8

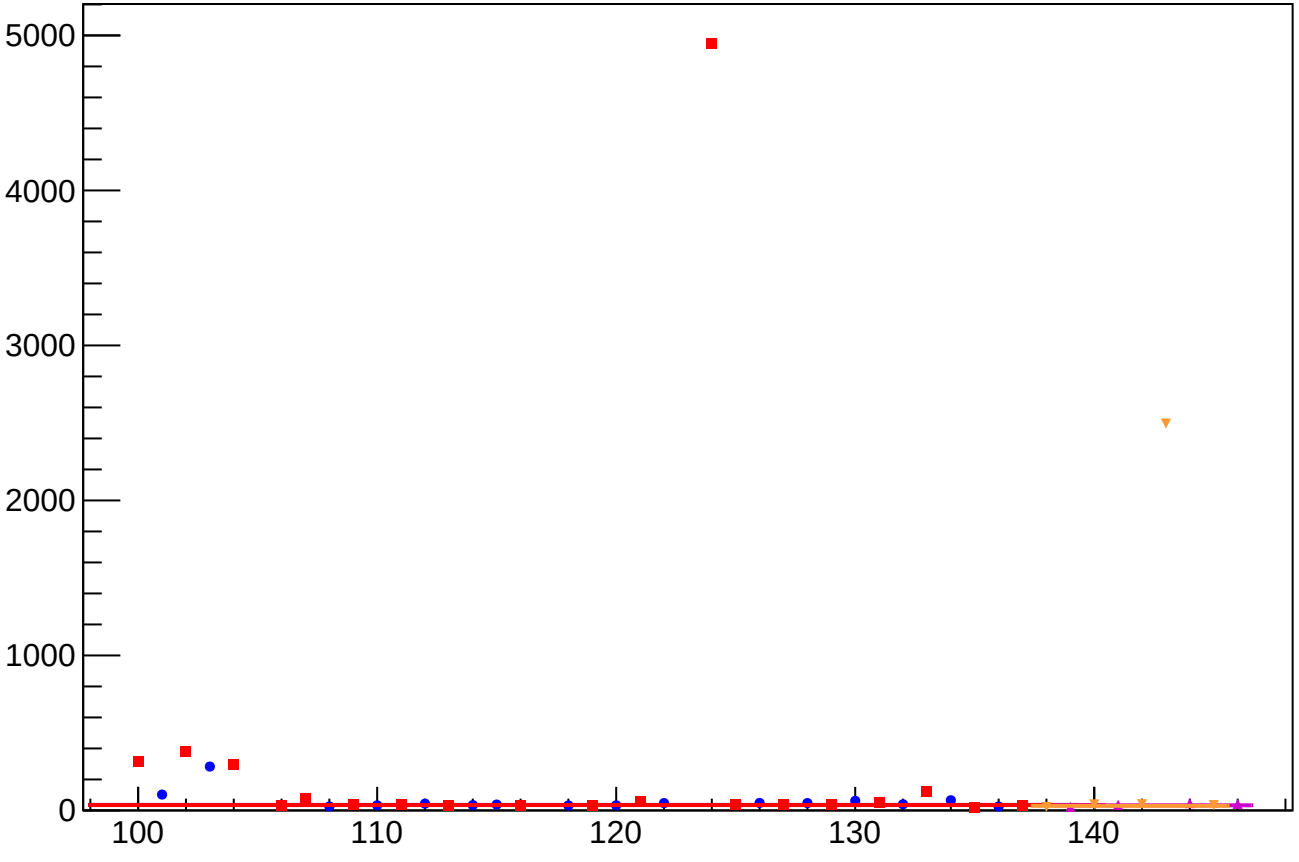
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.007+/-0.012 χ^2/NDF:19.5/23

All: 0.002+/-0.009 χ^2/NDF: 35.9/43

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: 29.892+/-0.014 χ^2/NDF:1895152.8/4

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

Left: 31.507+/-0.010 χ^2/NDF: 2378856.9/8

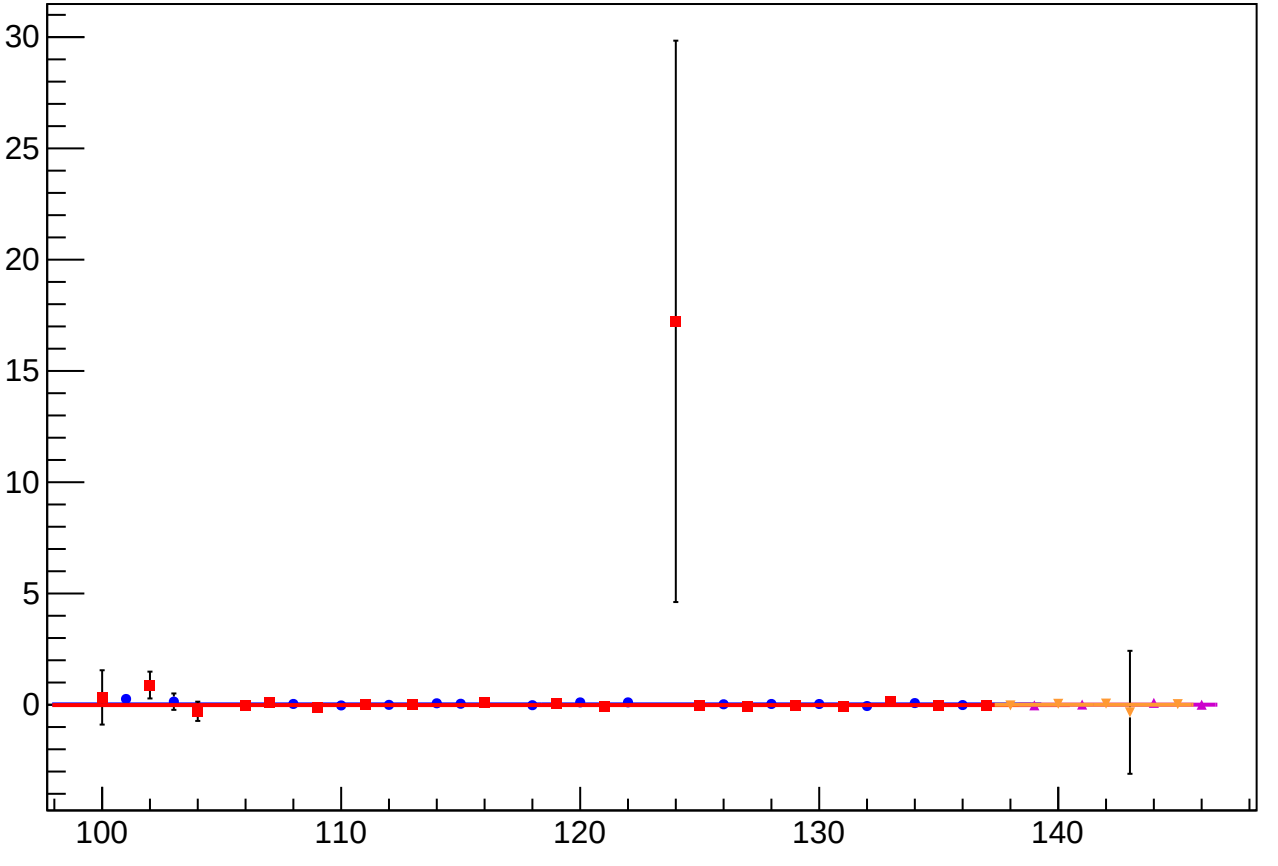
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.779+/-0.009 χ^2/NDF:2742257.4/19

Out: 32.918+/-0.009 χ^2/NDF:4884721.2/23

All: 33.851+/-0.006 χ^2/NDF: 7650063.2/43

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: 0.003+/-0.020 χ^2/NDF:3.1/4

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: 0.004+/-0.014 χ^2/NDF: 6.5/8

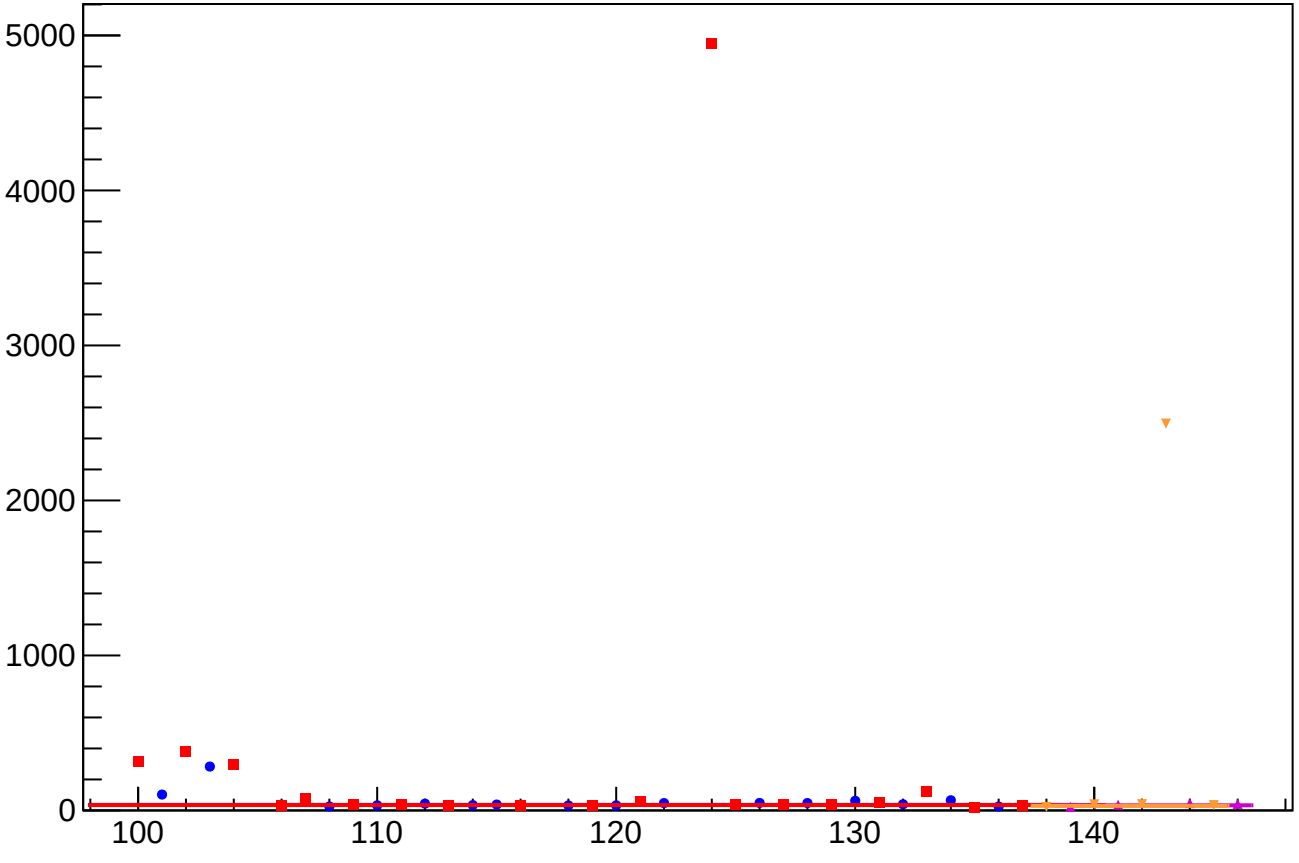
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.007+/-0.012 χ^2/NDF:19.5/23

All: 0.002+/-0.009 χ^2/NDF: 35.9/43

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: 29.892+/-0.014 χ^2/NDF:1895152.8/4

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

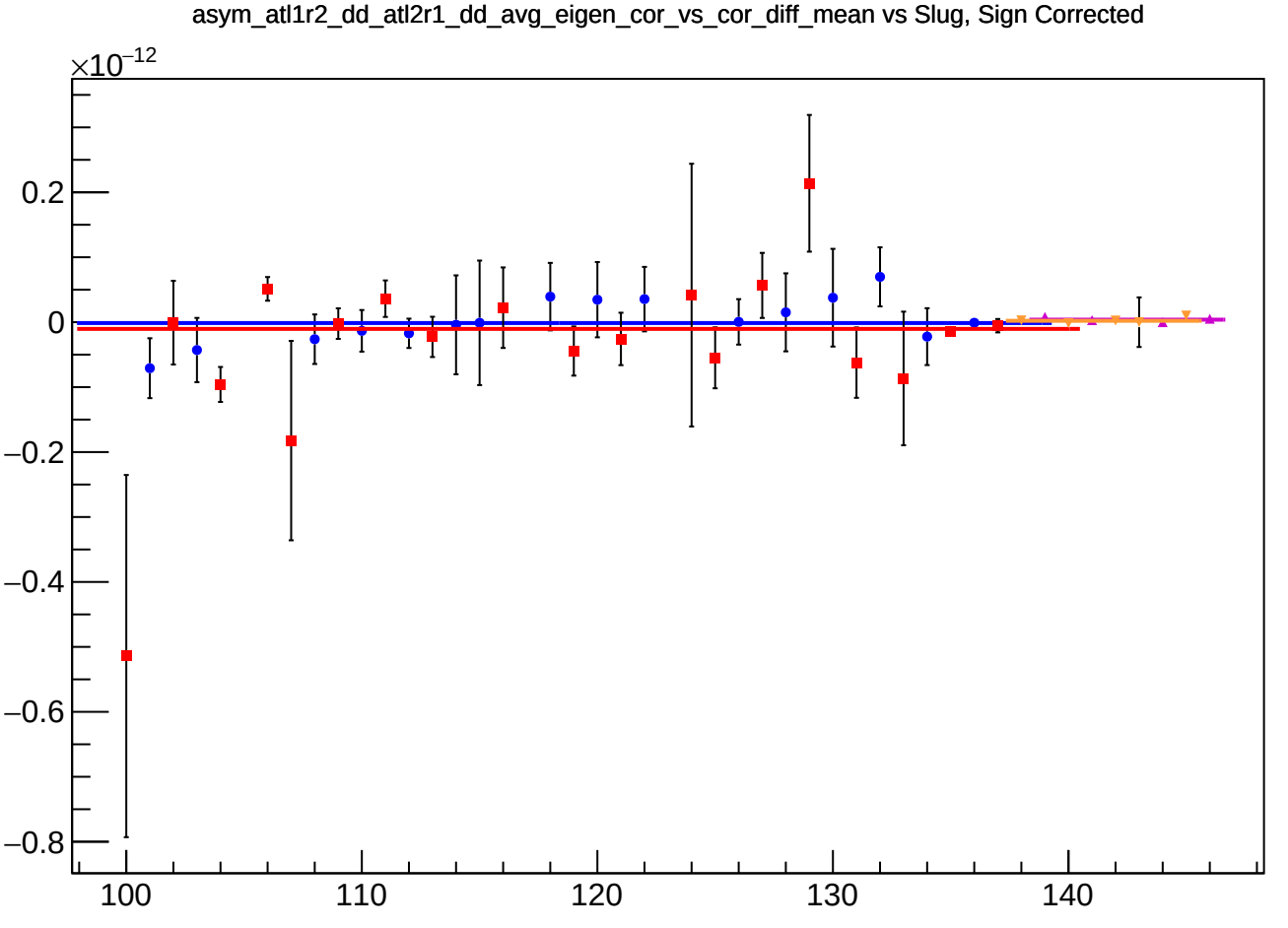
Left: 31.507+/-0.010 χ^2/NDF: 2378856.9/8

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.779+/-0.009 χ^2/NDF:2742257.4/19

Out: 32.918+/-0.009 χ^2/NDF:4884721.2/23

All: 33.851+/-0.006 χ^2/NDF: 7650063.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

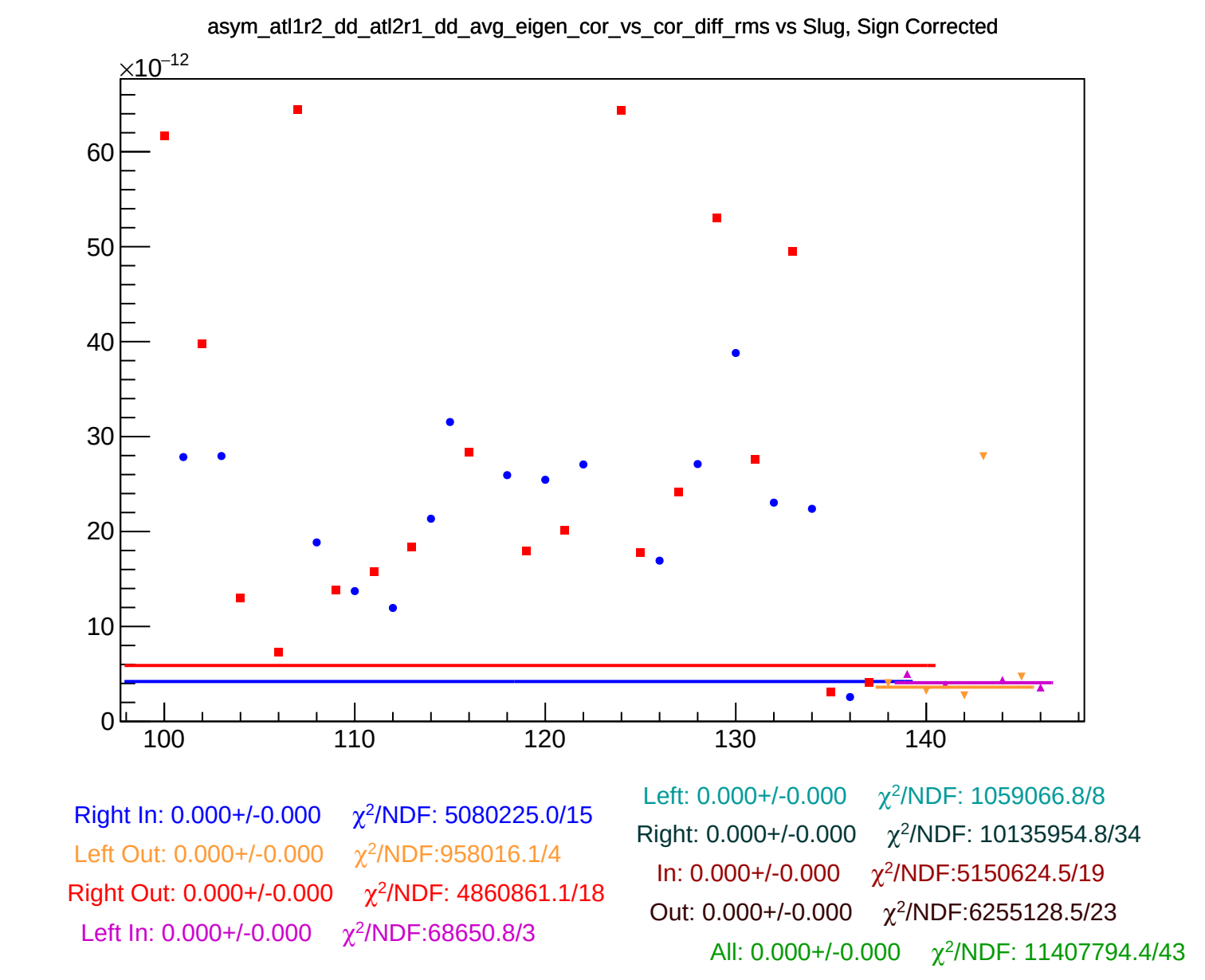
Left: 0.000+/-0.000 χ^2/NDF: 3.7/8

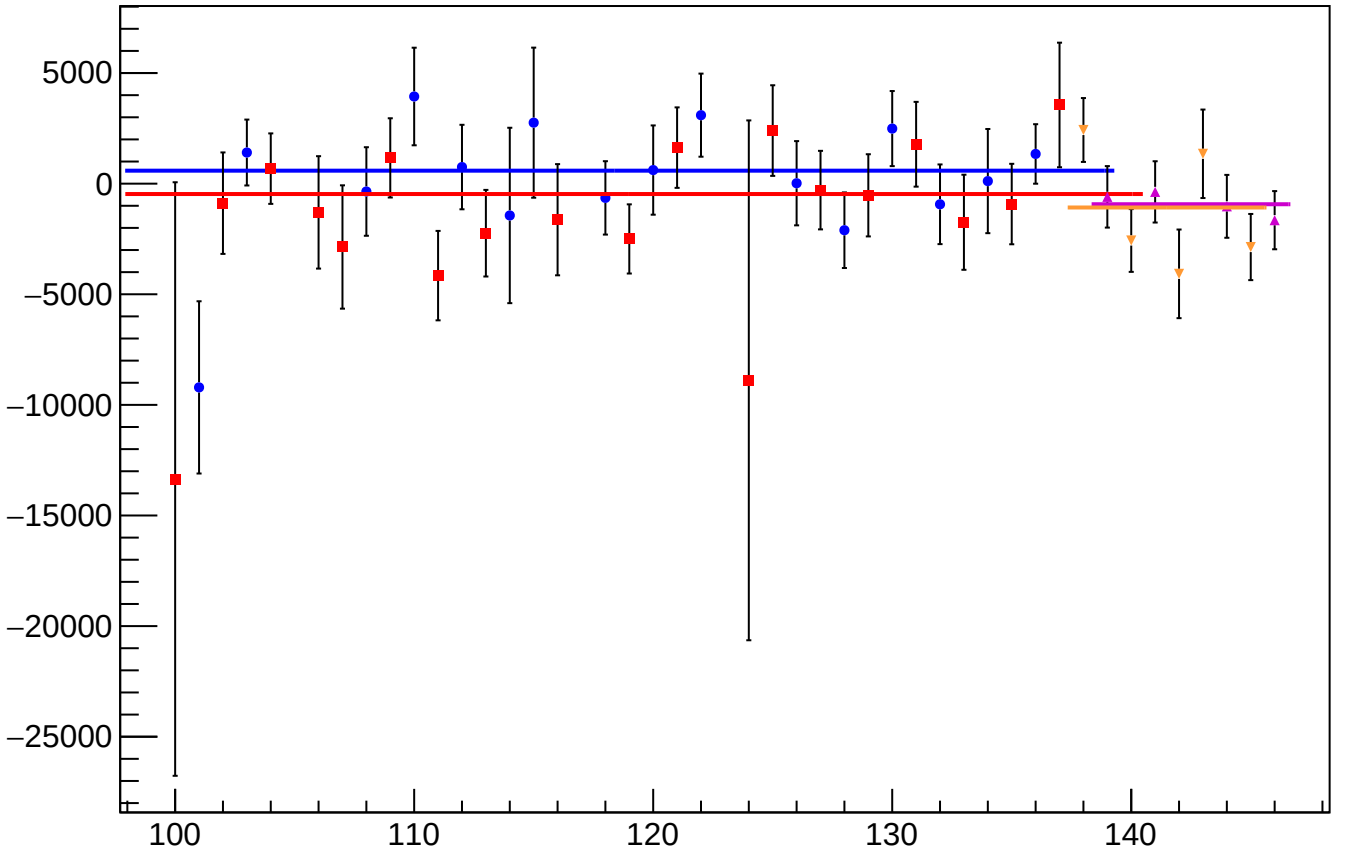
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:11.1/19

Out: -0.000+/-0.000 χ^2/NDF:48.8/23

All: 0.000+/-0.000 χ^2/NDF: 61.0/43


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:958016.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:68650.8/3
Left: 0.000+/-0.000 χ²/NDF: 1059066.8/8
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5150624.5/19
Out: 0.000+/-0.000 χ²/NDF:6255128.5/23
All: 0.000+/-0.000 χ²/NDF: 11407794.4/43



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.472+/-721.142 χ^2/NDF:12.1/4

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -930.335+/-688.021 χ^2/NDF:0.5/3

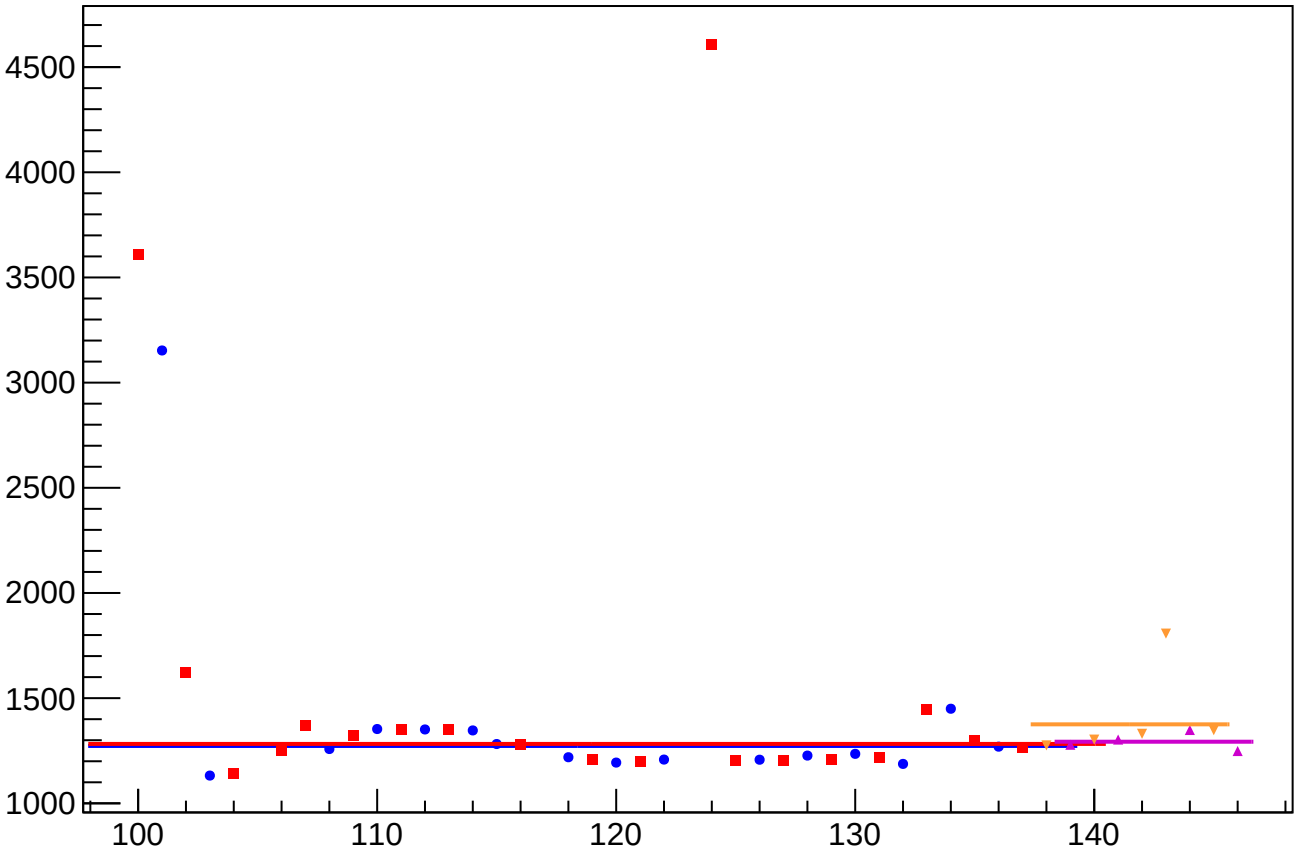
Left: -1000.447+/-497.802 χ^2/NDF: 12.7/8

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 86.828+/-395.004 χ^2/NDF:20.9/19

Out: -656.098+/-399.876 χ^2/NDF:29.5/23

All: -280.082+/-281.017 χ^2/NDF: 52.1/43



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1375.506+/-0.510 χ^2/NDF:109581.1/4

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

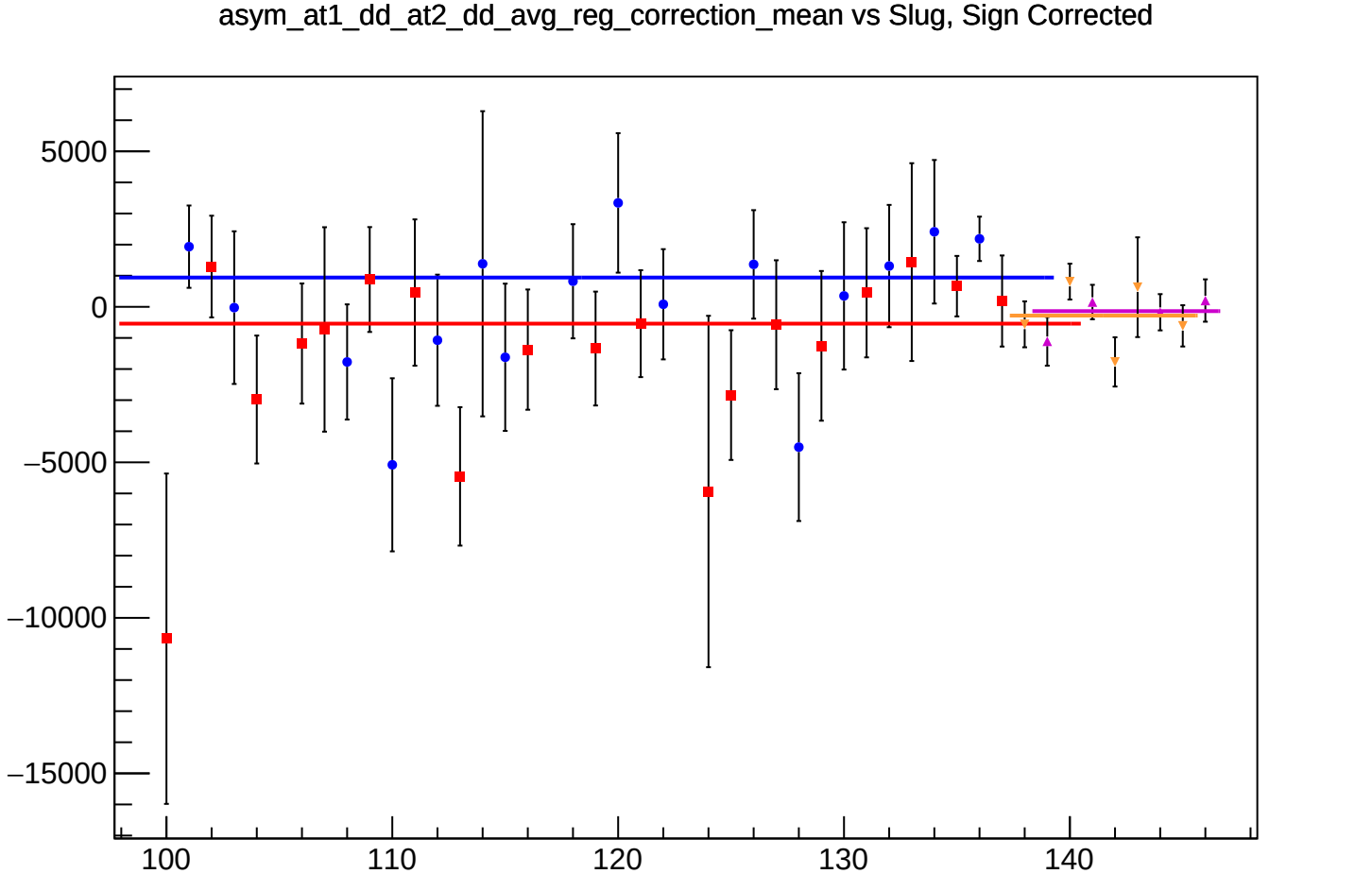
Left: 1332.251+/-0.352 χ^2/NDF: 128997.1/8

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1279.421+/-0.279 χ^2/NDF:526110.6/19

Out: 1311.003+/-0.283 χ^2/NDF:454764.8/23

All: 1295.019+/-0.199 χ^2/NDF: 987189.8/43



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: -281.339+/-331.499 χ^2/NDF:7.8/4

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -138.037+/-316.509 χ^2/NDF:2.1/3

Left: -206.375+/-228.921 χ^2/NDF: 10.0/8

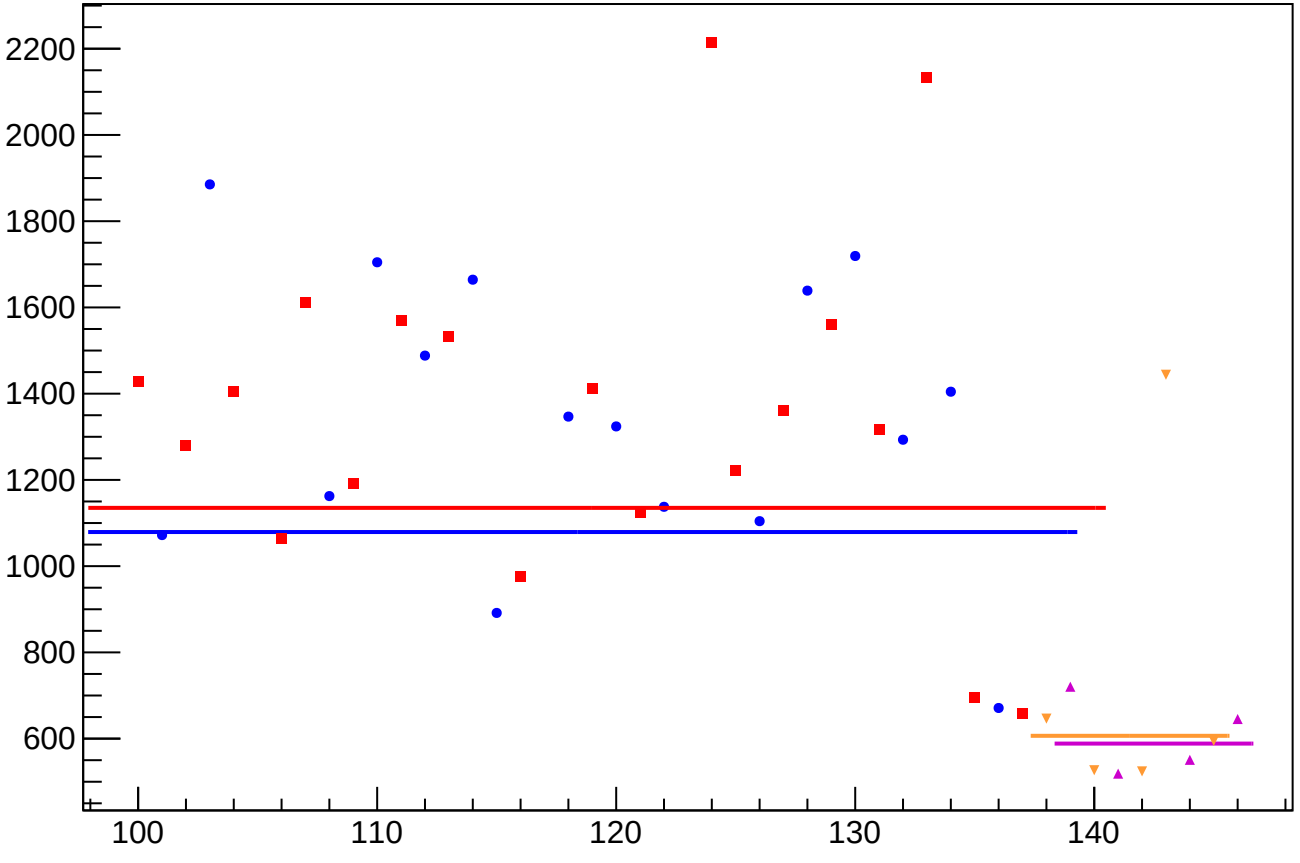
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 246.212+/-254.026 χ^2/NDF:26.1/19

Out: -375.249+/-264.745 χ^2/NDF:25.2/23

All: -51.684+/-183.296 χ^2/NDF: 54.2/43

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: 606.541+/-0.234 χ^2/NDF:611893.3/4

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 588.492+/-0.224 χ^2/NDF:110559.1/3

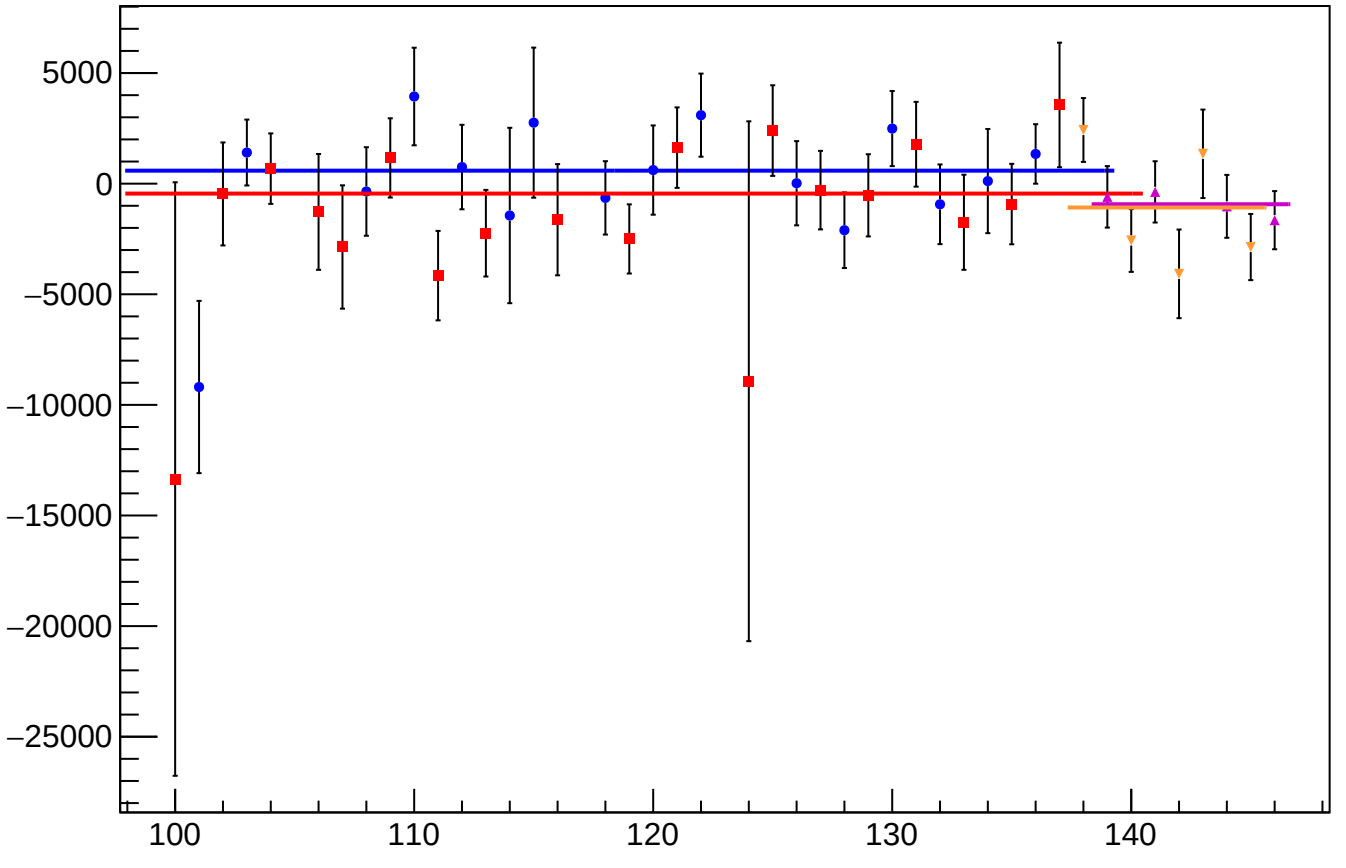
Left: 597.099+/-0.162 χ^2/NDF: 725553.6/8

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 763.083+/-0.180 χ^2/NDF:3302933.2/19

Out: 798.002+/-0.187 χ^2/NDF:3746980.1/23

All: 779.822+/-0.130 χ^2/NDF: 7068028.3/43



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.583+/-721.142 χ^2/NDF:12.1/4

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -930.296+/-688.021 χ^2/NDF:0.5/3

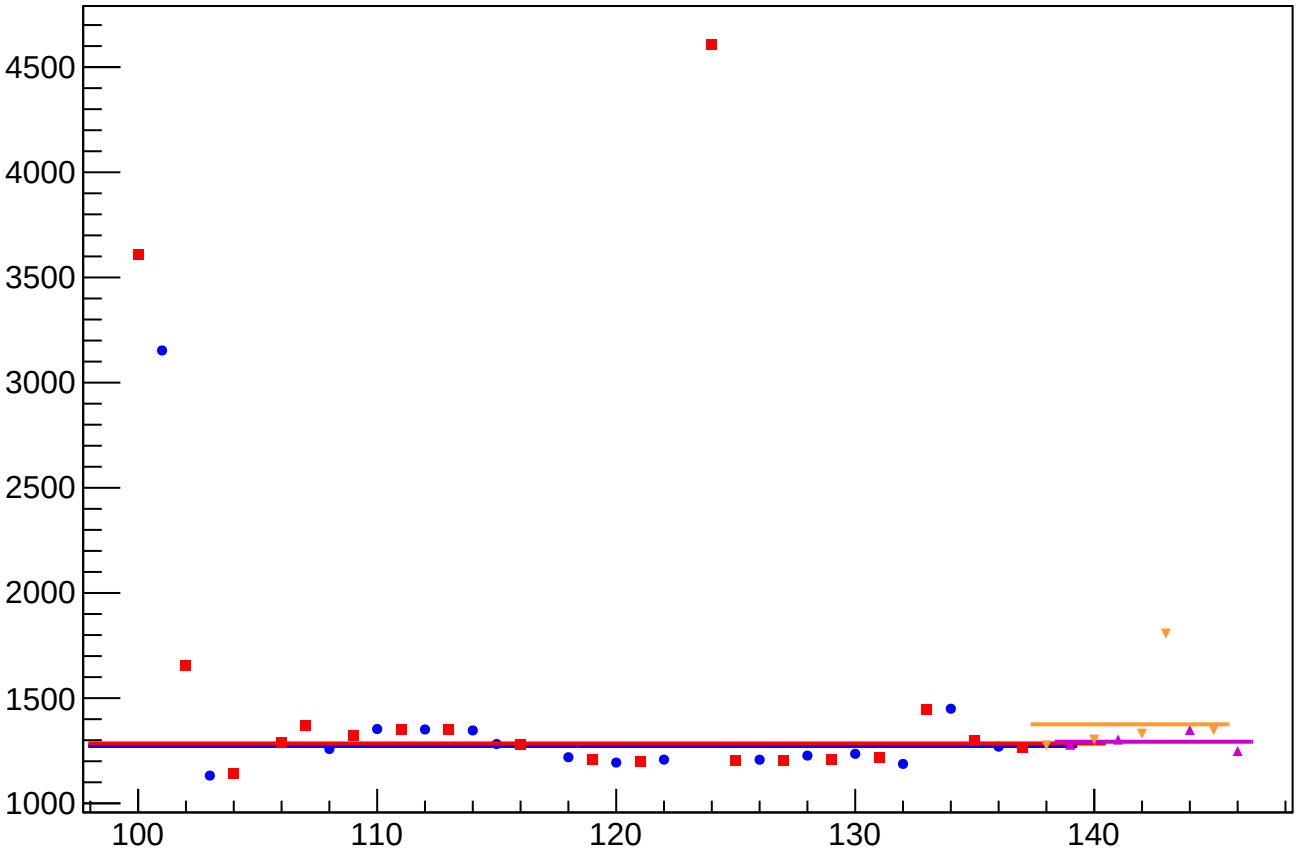
Left: -1000.479+/-497.802 χ^2/NDF: 12.7/8

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 87.055+/-395.004 χ^2/NDF:20.8/19

Out: -642.322+/-400.347 χ^2/NDF:29.5/23

All: -272.734+/-281.180 χ^2/NDF: 52.0/43



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1375.506+/-0.510 χ^2/NDF:109581.1/4

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

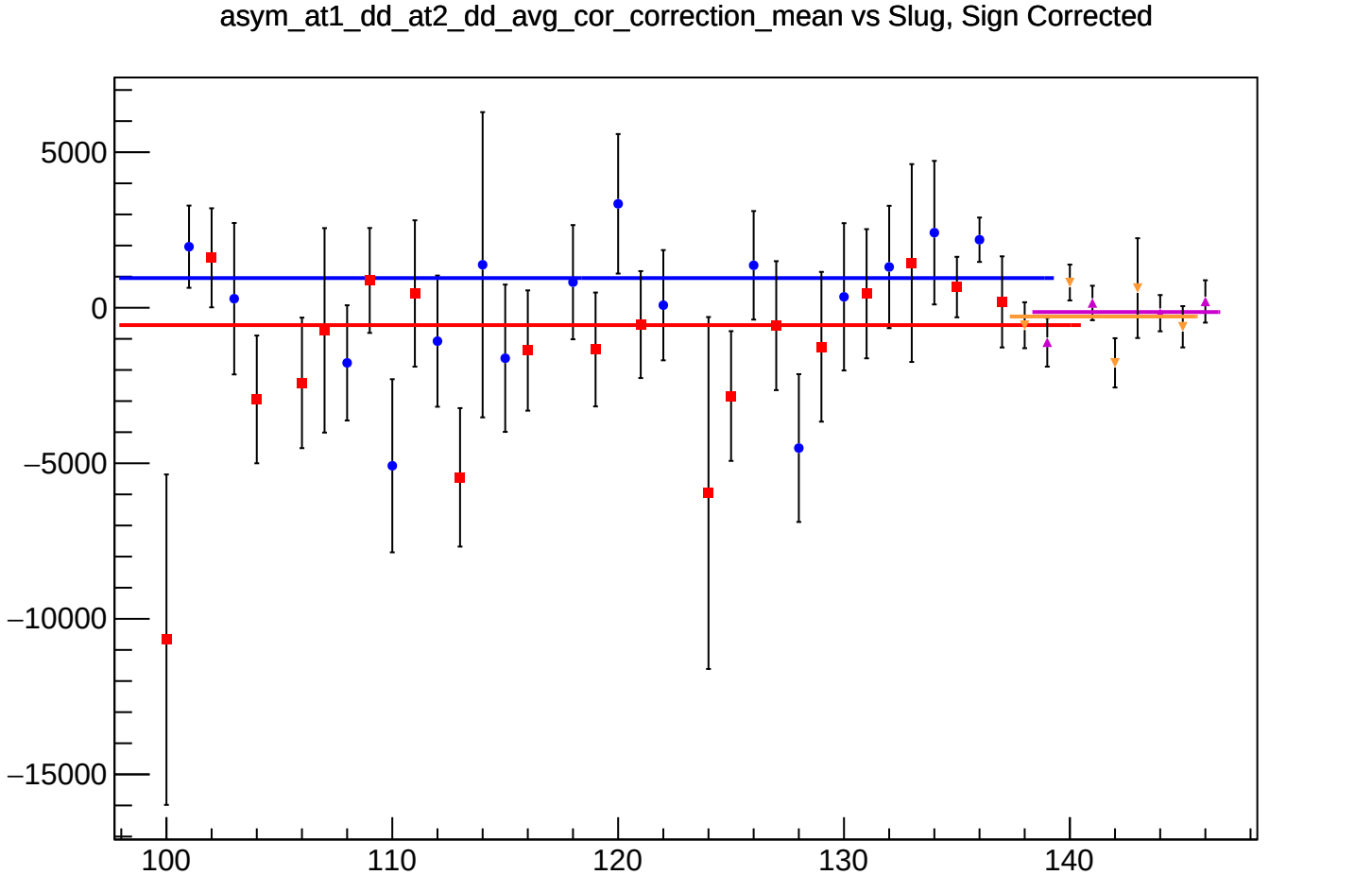
Left: 1332.251+/-0.352 χ^2/NDF: 128997.1/8

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1279.421+/-0.279 χ^2/NDF:526112.0/19

Out: 1312.654+/-0.283 χ^2/NDF:460276.3/23

All: 1295.814+/-0.199 χ^2/NDF: 993372.0/43



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -138.093+/-316.505 χ^2/NDF:2.1/3

Left: -206.381+/-228.923 χ^2/NDF: 10.0/8

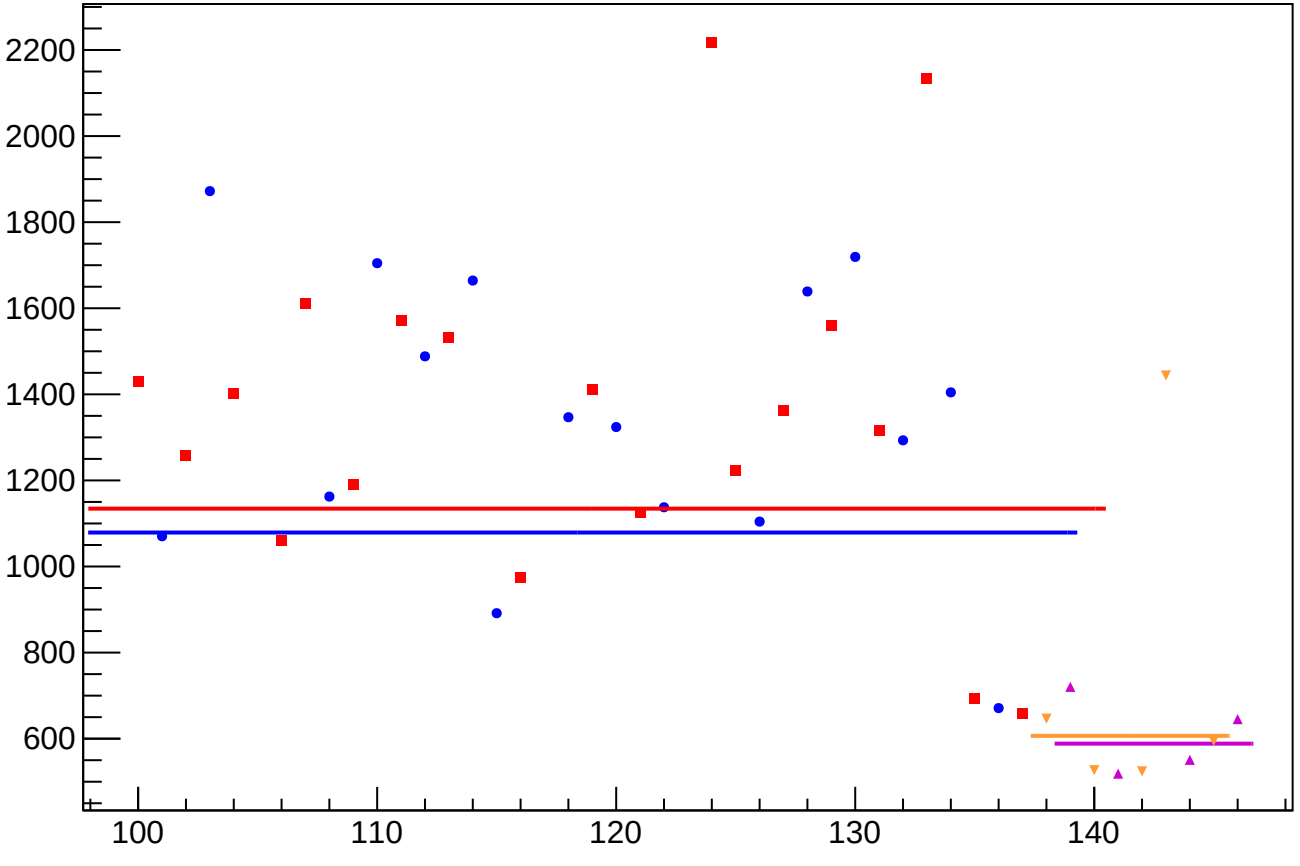
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 250.785+/-253.987 χ^2/NDF:26.2/19

Out: -381.248+/-264.935 χ^2/NDF:26.5/23

All: -51.903+/-183.344 χ^2/NDF: 55.6/43

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: 606.559+/-0.234 χ^2/NDF:611841.7/4

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

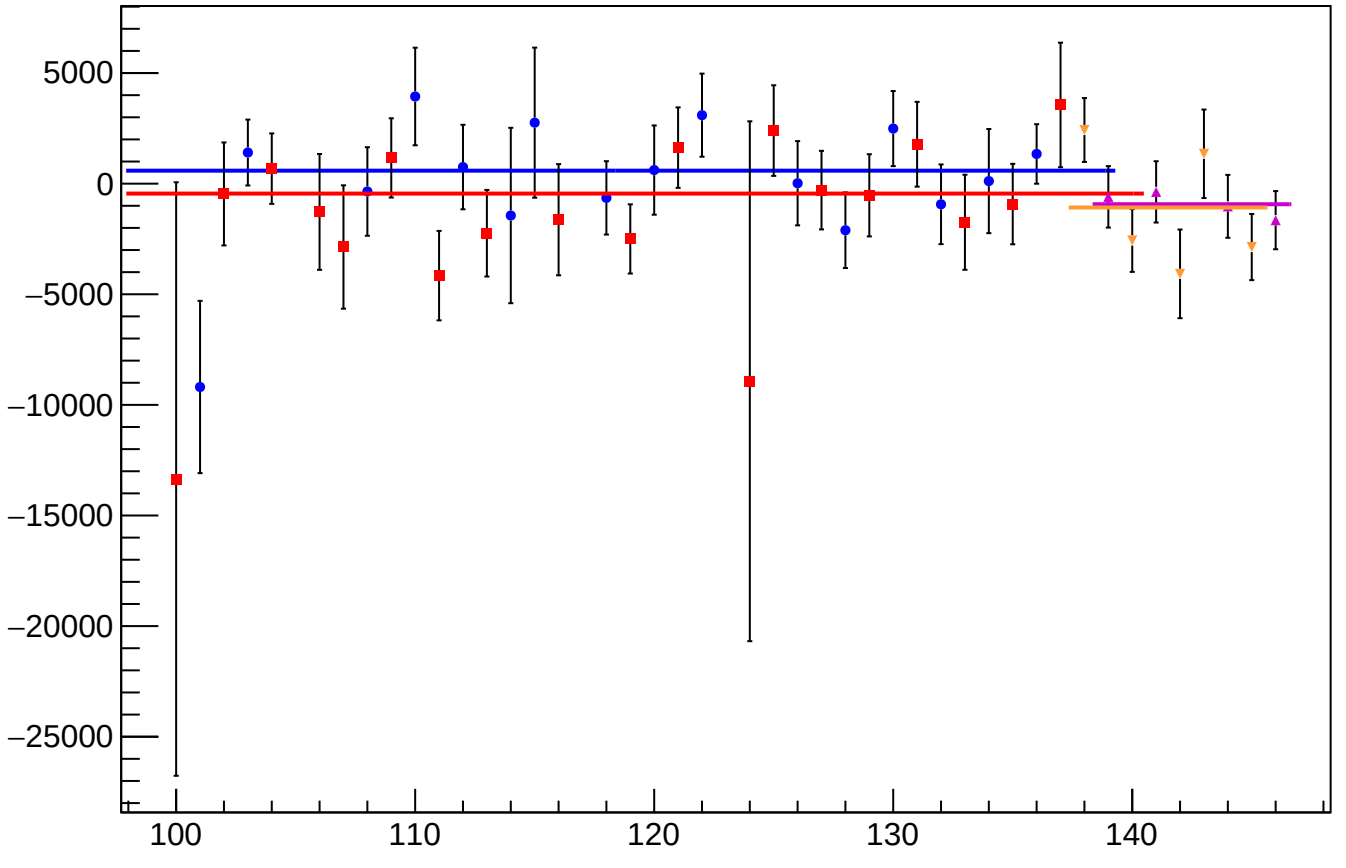
Left: 597.103+/-0.162 χ^2/NDF: 725530.1/8

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 763.102+/-0.180 χ^2/NDF:3299111.8/19

Out: 797.282+/-0.187 χ^2/NDF:3732945.1/23

All: 779.471+/-0.130 χ^2/NDF: 7049403.2/43



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -1077.583+/-721.142 χ^2/NDF:12.1/4

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -930.296+/-688.021 χ^2/NDF:0.5/3

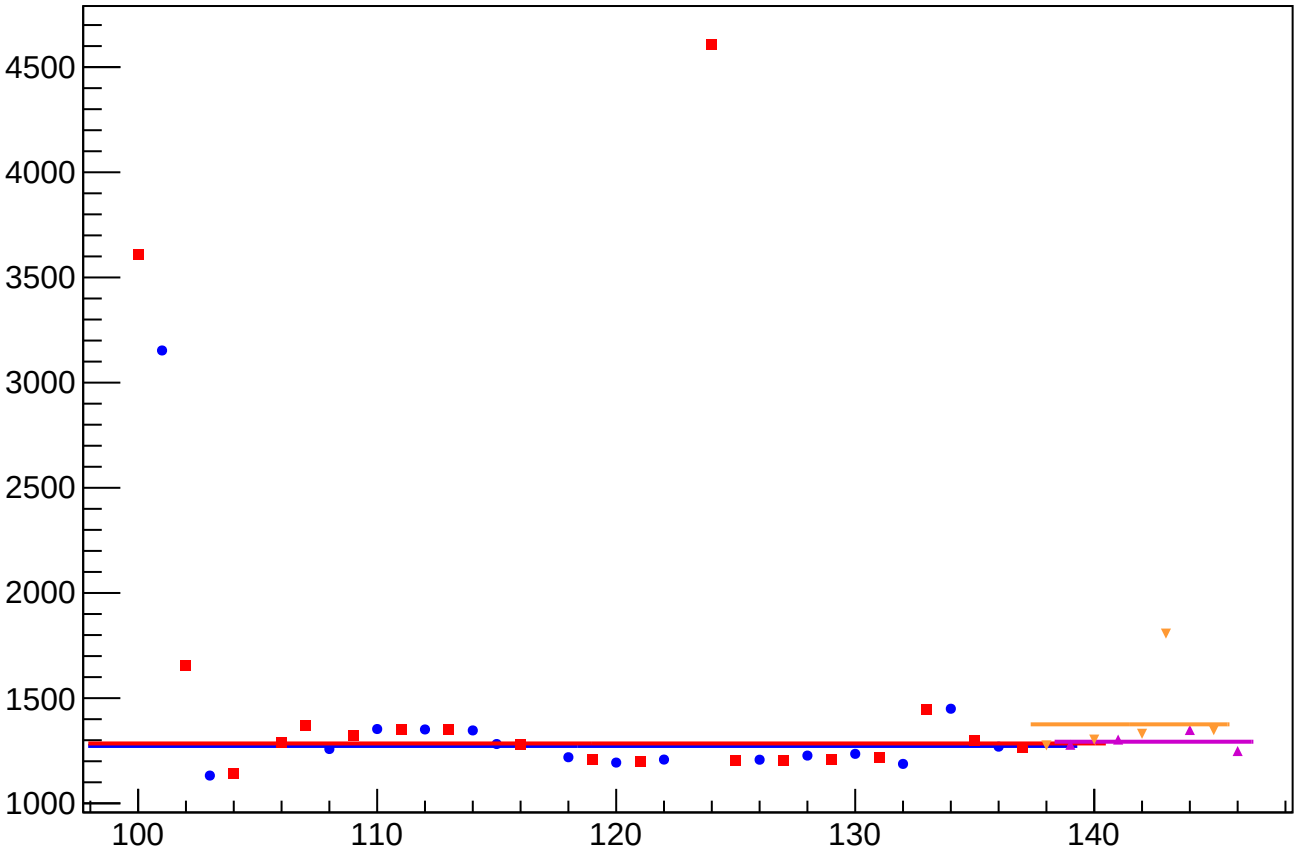
Left: -1000.479+/-497.802 χ^2/NDF: 12.7/8

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 87.055+/-395.004 χ^2/NDF:20.8/19

Out: -642.322+/-400.347 χ^2/NDF:29.5/23

All: -272.734+/-281.180 χ^2/NDF: 52.0/43



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1375.506+/-0.510 χ^2/NDF:109581.1/4

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

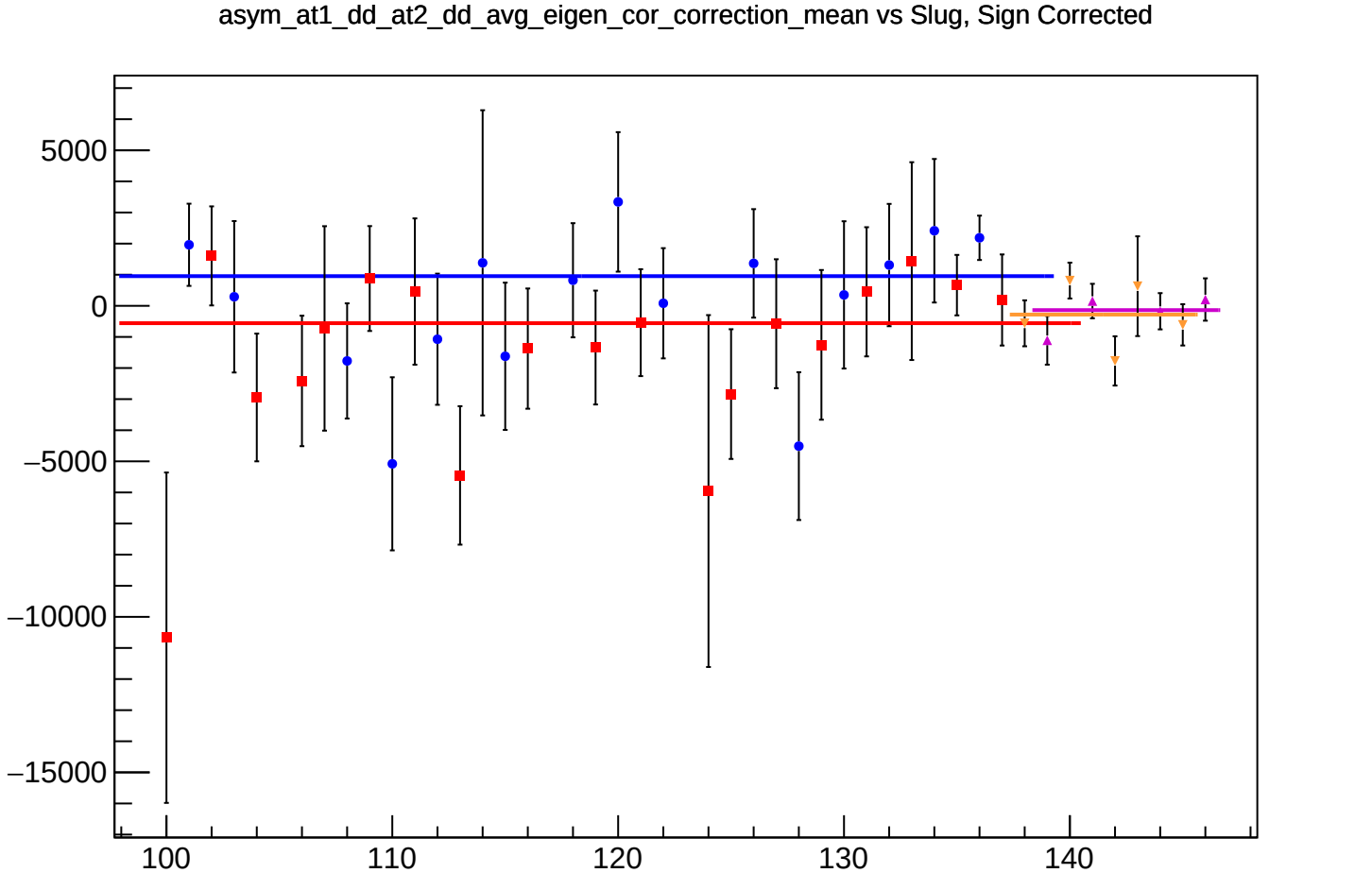
Left: 1332.251+/-0.352 χ^2/NDF: 128997.1/8

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1279.421+/-0.279 χ^2/NDF:526112.0/19

Out: 1312.654+/-0.283 χ^2/NDF:460276.3/23

All: 1295.814+/-0.199 χ^2/NDF: 993372.0/43



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: -281.296+/-331.508 χ^2/NDF:7.9/4

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -138.093+/-316.505 χ^2/NDF:2.1/3

Left: -206.381+/-228.923 χ^2/NDF: 10.0/8

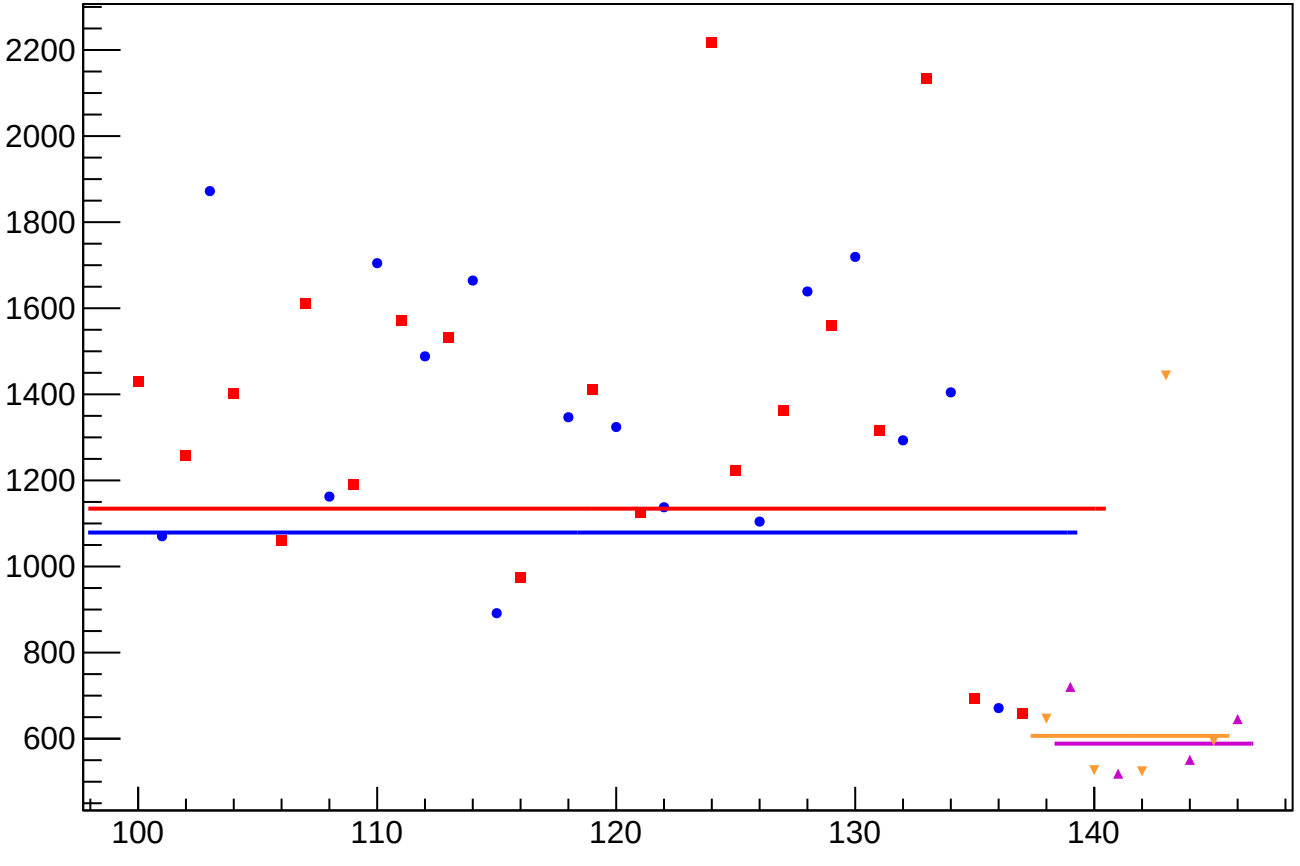
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 250.785+/-253.987 χ^2/NDF:26.2/19

Out: -381.248+/-264.935 χ^2/NDF:26.5/23

All: -51.903+/-183.344 χ^2/NDF: 55.6/43

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: 606.559+/-0.234 χ^2/NDF:611841.7/4

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

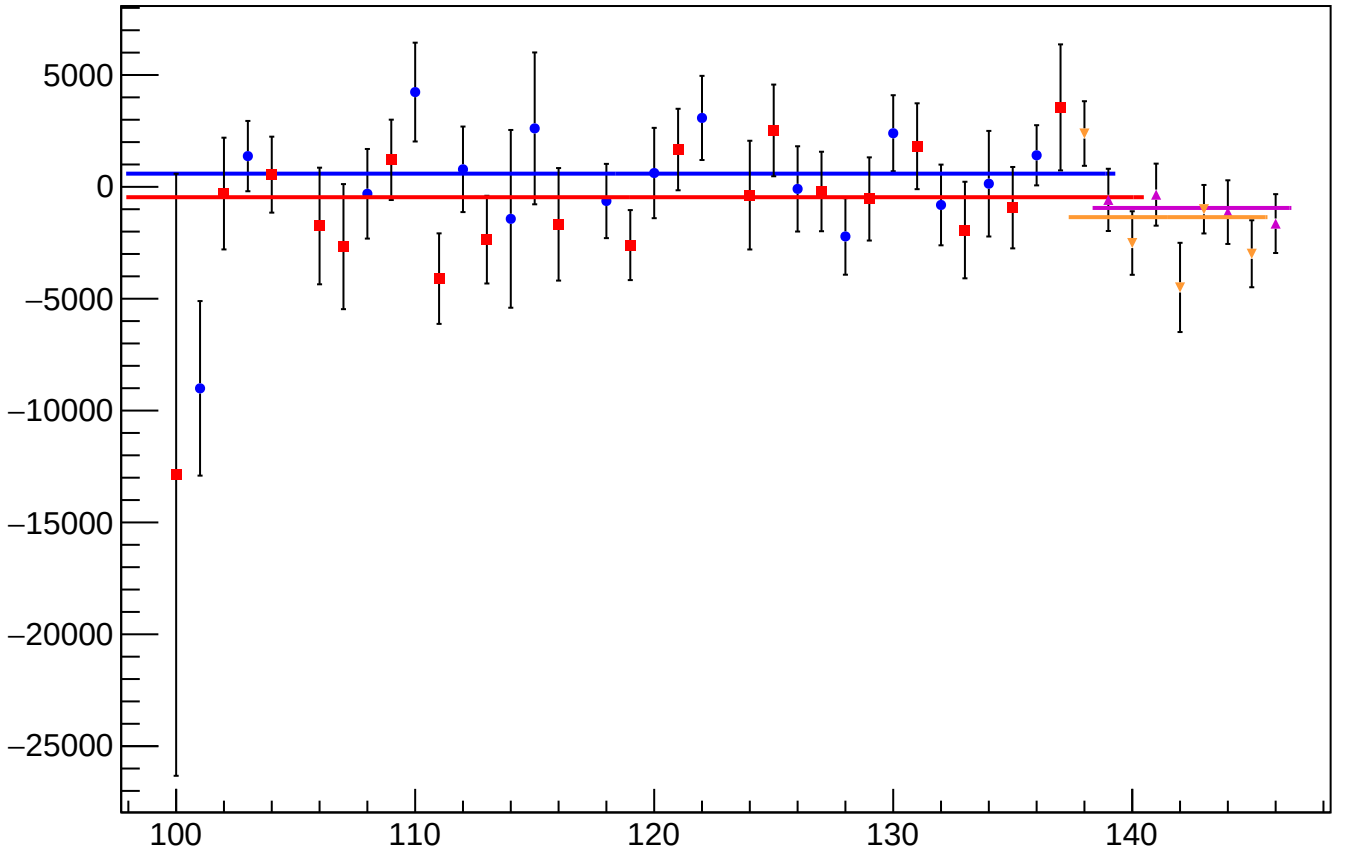
Left: 597.103+/-0.162 χ^2/NDF: 725530.1/8

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 763.102+/-0.180 χ^2/NDF:3299111.8/19

Out: 797.282+/-0.187 χ^2/NDF:3732945.1/23

All: 779.471+/-0.130 χ^2/NDF: 7049403.2/43



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1353.965+/-629.441 χ^2/NDF:11.1/4

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -942.900+/-688.596 χ^2/NDF:0.6/3

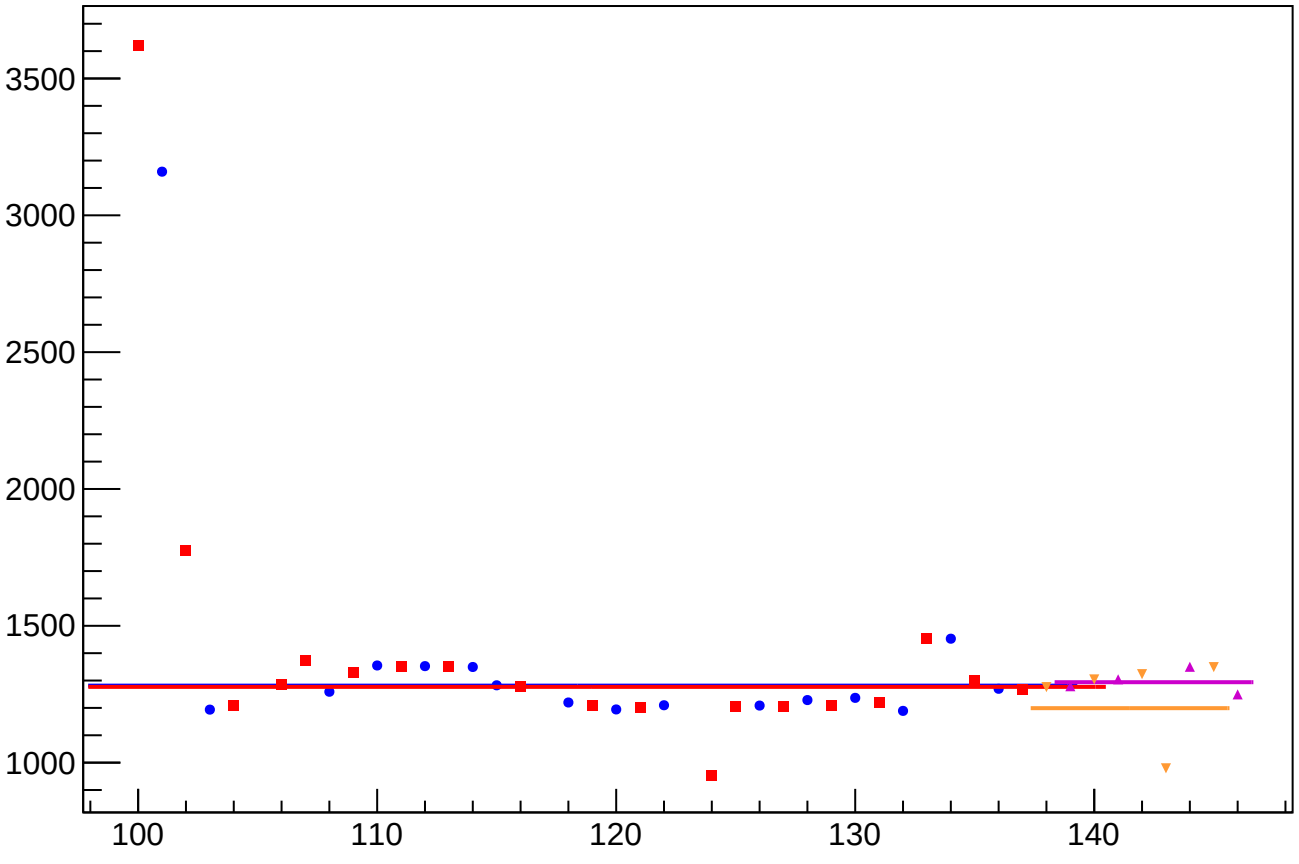
Left: -1166.844+/-464.590 χ^2/NDF: 11.9/8

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 81.248+/-396.783 χ^2/NDF:21.0/19

Out: -787.588+/-380.065 χ^2/NDF:29.1/23

All: -371.858+/-274.466 χ^2/NDF: 52.6/43



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1199.041+/-0.445 χ^2/NDF:126662.9/4

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

Left: 1242.243+/-0.329 χ^2/NDF: 153129.8/8

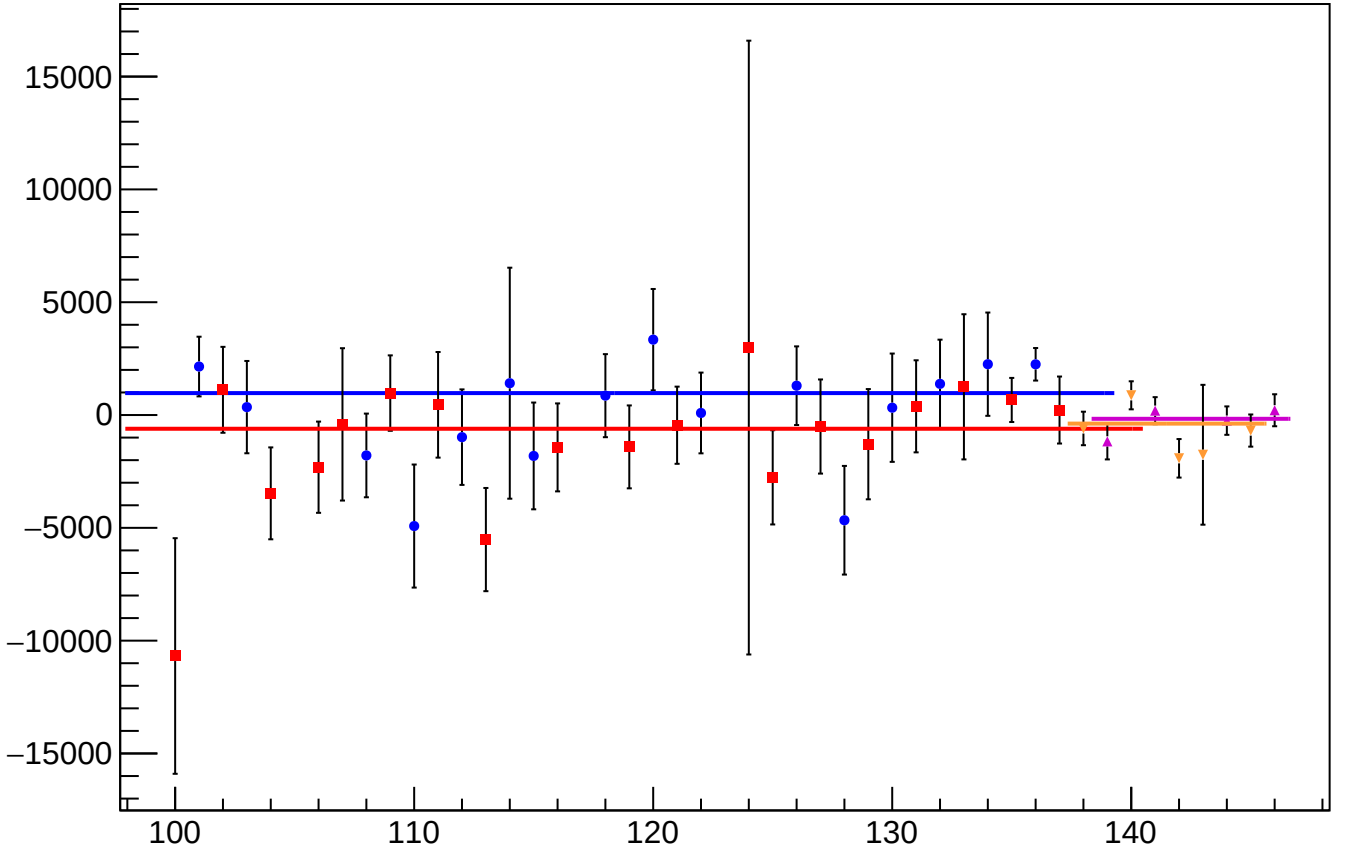
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1285.545+/-0.281 χ^2/NDF:513293.7/19

Out: 1248.488+/-0.269 χ^2/NDF:366600.9/23

All: 1266.219+/-0.194 χ^2/NDF: 888992.3/43

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: -380.599+/-357.013 χ^2/NDF:7.8/4

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -167.395+/-335.989 χ^2/NDF:2.2/3

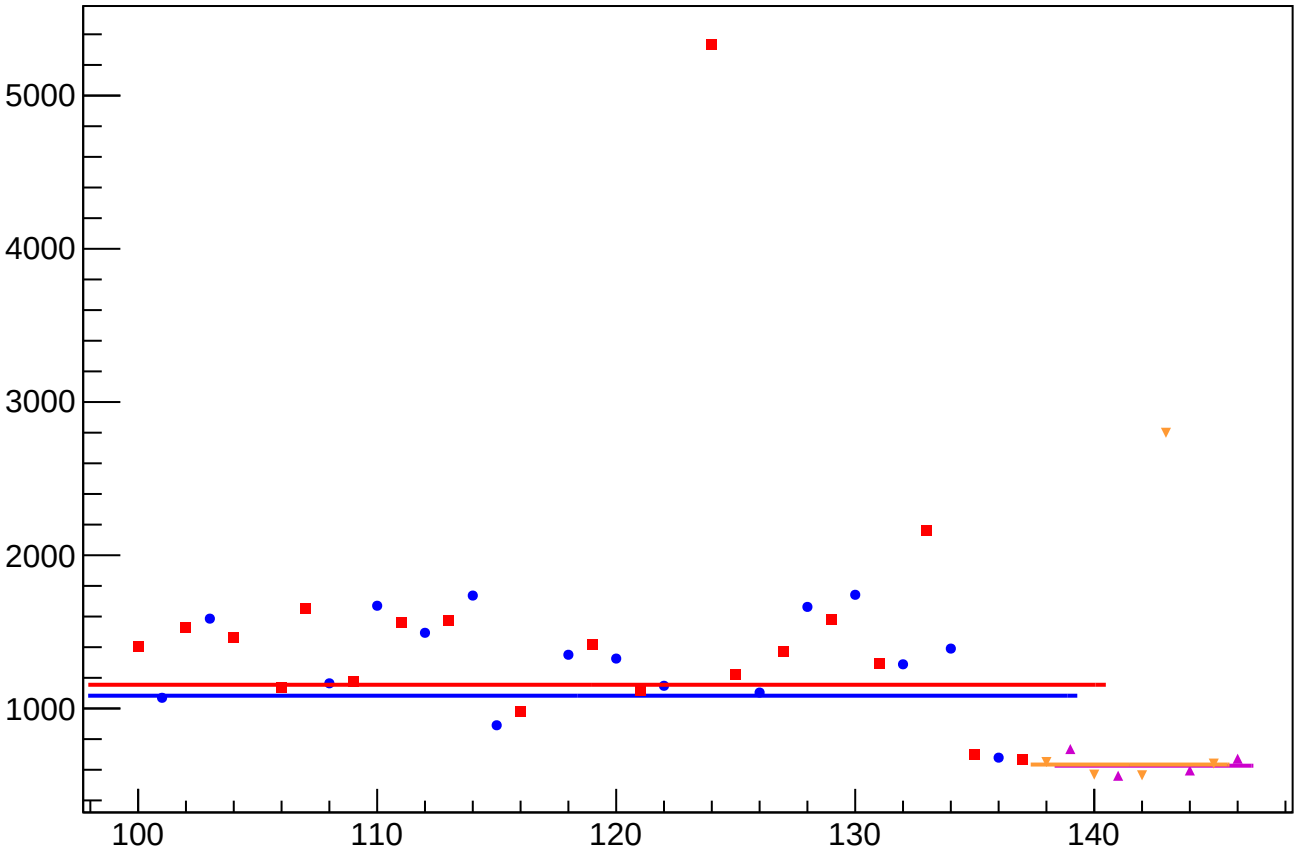
Left: -267.535+/-244.675 χ^2/NDF: 10.2/8

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 270.661+/-263.624 χ^2/NDF:27.1/19

Out: -469.153+/-279.137 χ^2/NDF:25.1/23

All: -78.118+/-191.660 χ^2/NDF: 55.9/43



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 634.064+/-0.252 χ^2/NDF:1013459.5/4

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 626.529+/-0.238 χ^2/NDF:74001.9/3

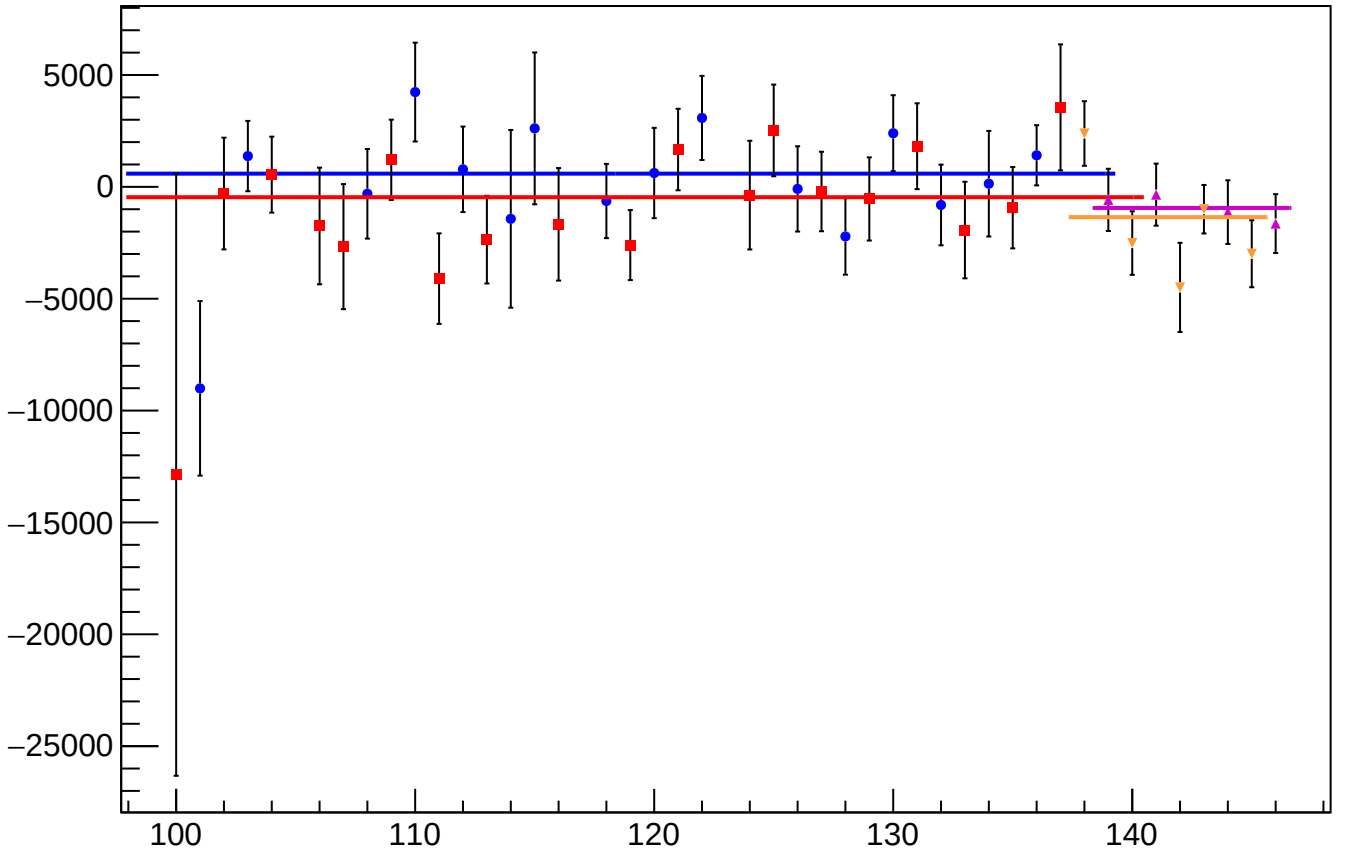
Left: 630.068+/-0.173 χ^2/NDF: 1087933.9/8

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 802.110+/-0.186 χ^2/NDF:2855141.4/19

Out: 836.436+/-0.197 χ^2/NDF:4155115.9/23

All: 818.293+/-0.136 χ^2/NDF: 7026242.8/43



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -1353.966+/-629.441 χ^2/NDF:11.1/4

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -942.907+/-688.596 χ^2/NDF:0.6/3

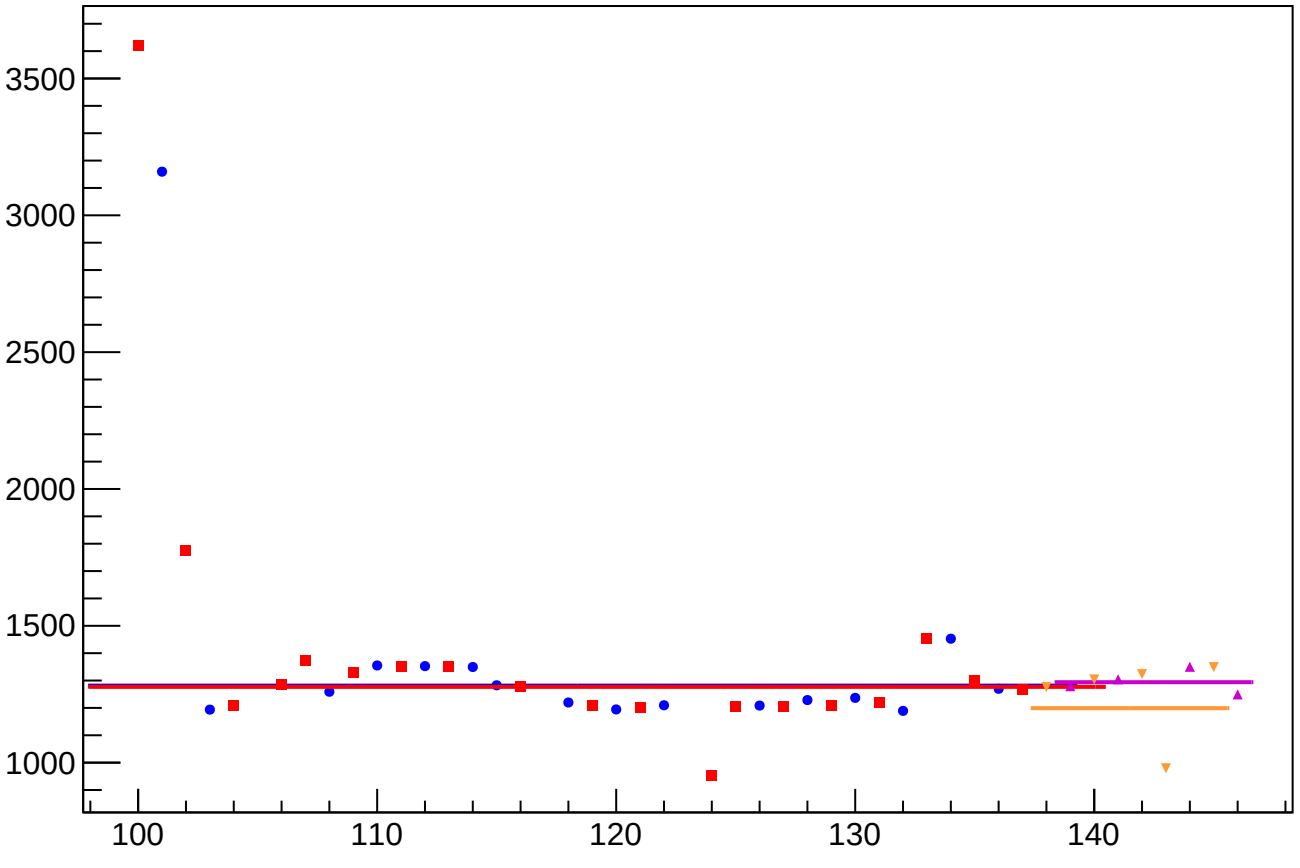
Left: -1166.848+/-464.590 χ^2/NDF: 11.9/8

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 81.247+/-396.783 χ^2/NDF:21.0/19

Out: -787.588+/-380.065 χ^2/NDF:29.1/23

All: -371.859+/-274.466 χ^2/NDF: 52.6/43



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1199.041+/-0.445 χ^2/NDF:126662.3/4

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

Left: 1242.243+/-0.329 χ^2/NDF: 153129.1/8

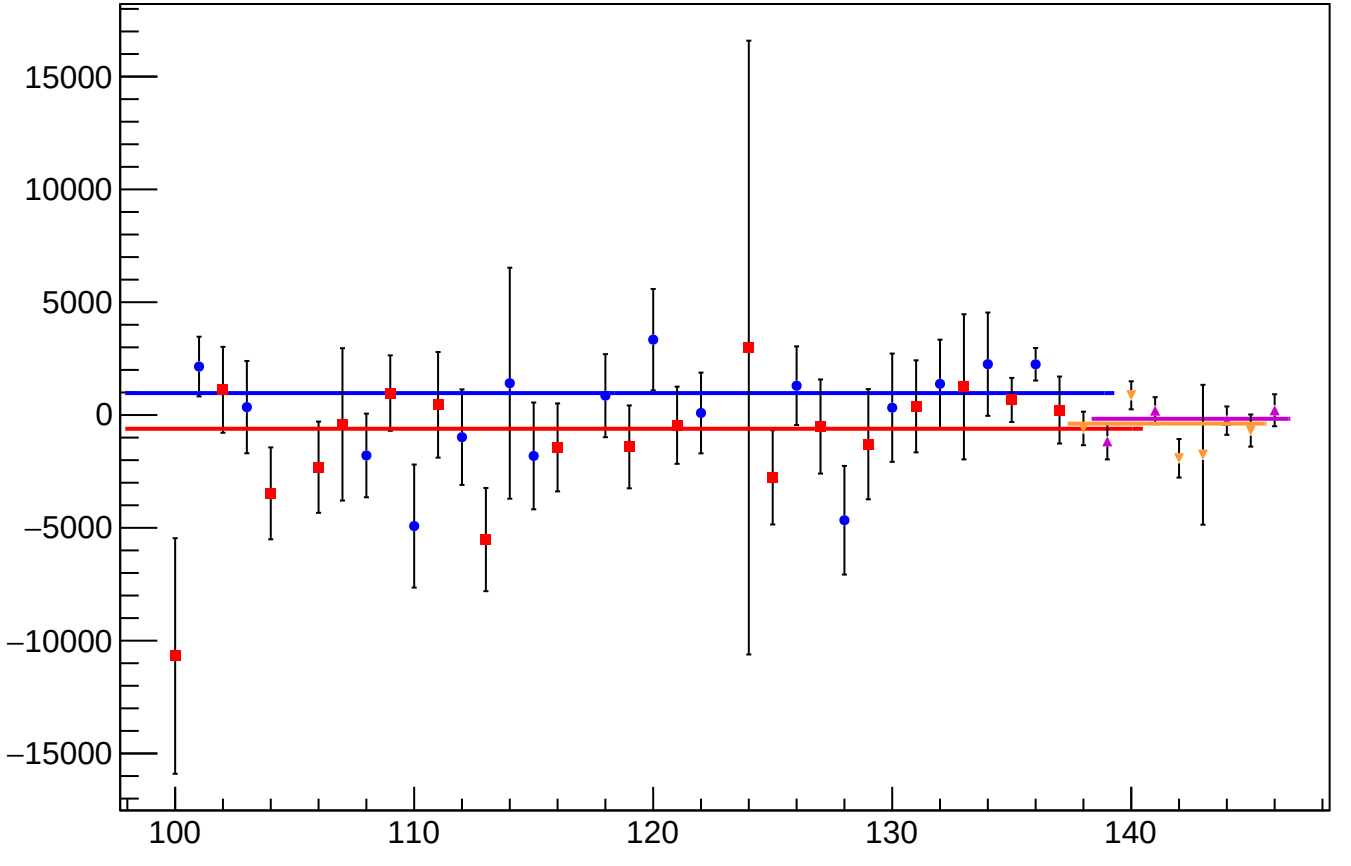
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1285.545+/-0.281 χ^2/NDF:513293.9/19

Out: 1248.488+/-0.269 χ^2/NDF:366599.9/23

All: 1266.219+/-0.194 χ^2/NDF: 888991.4/43

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: -380.603+/-357.015 χ^2/NDF:7.8/4

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -167.394+/-335.989 χ^2/NDF:2.2/3

Left: -267.536+/-244.676 χ^2/NDF: 10.2/8

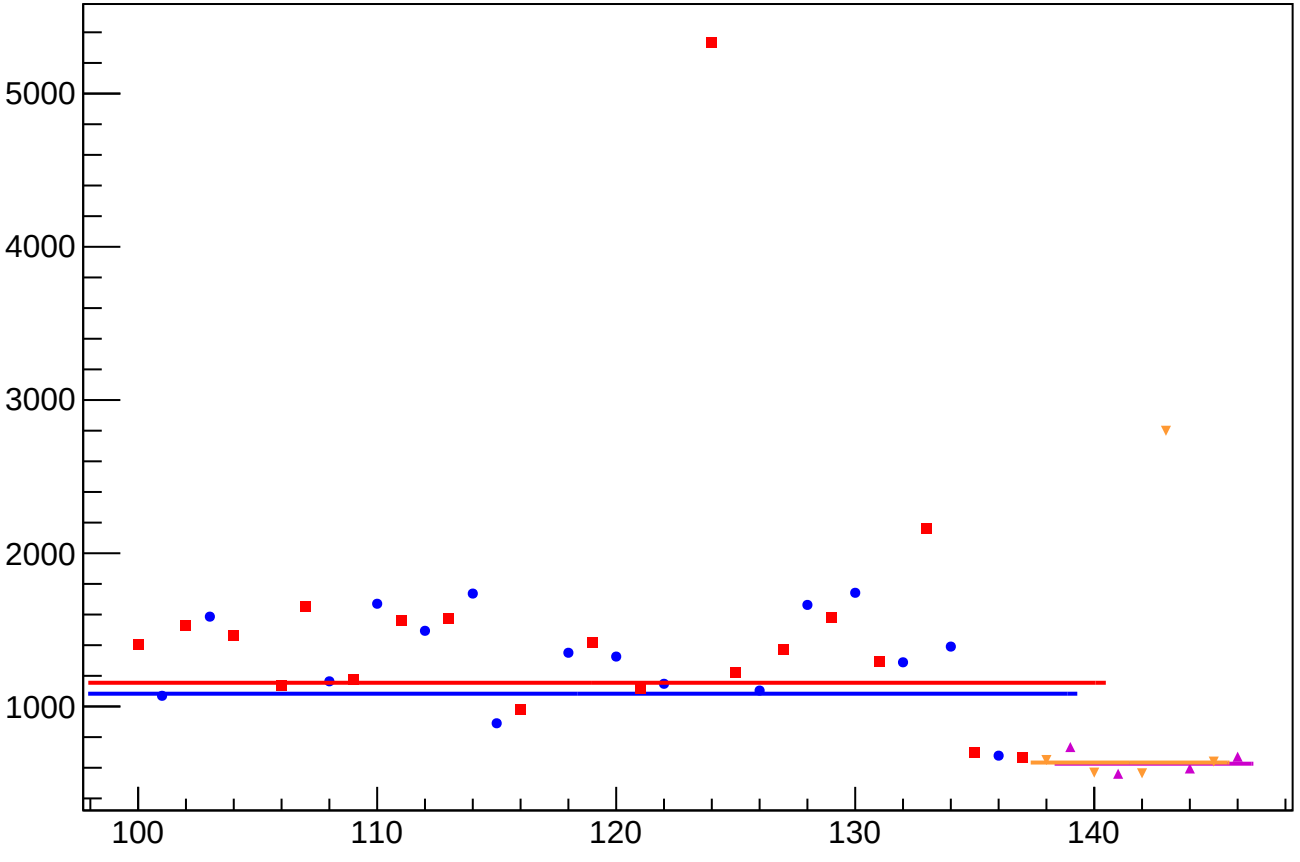
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 270.658+/-263.625 χ^2/NDF:27.1/19

Out: -469.160+/-279.139 χ^2/NDF:25.1/23

All: -78.122+/-191.661 χ^2/NDF: 55.9/43

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: 634.068+/-0.252 χ^2/NDF:1013458.0/4

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 626.529+/-0.238 χ^2/NDF:74004.8/3

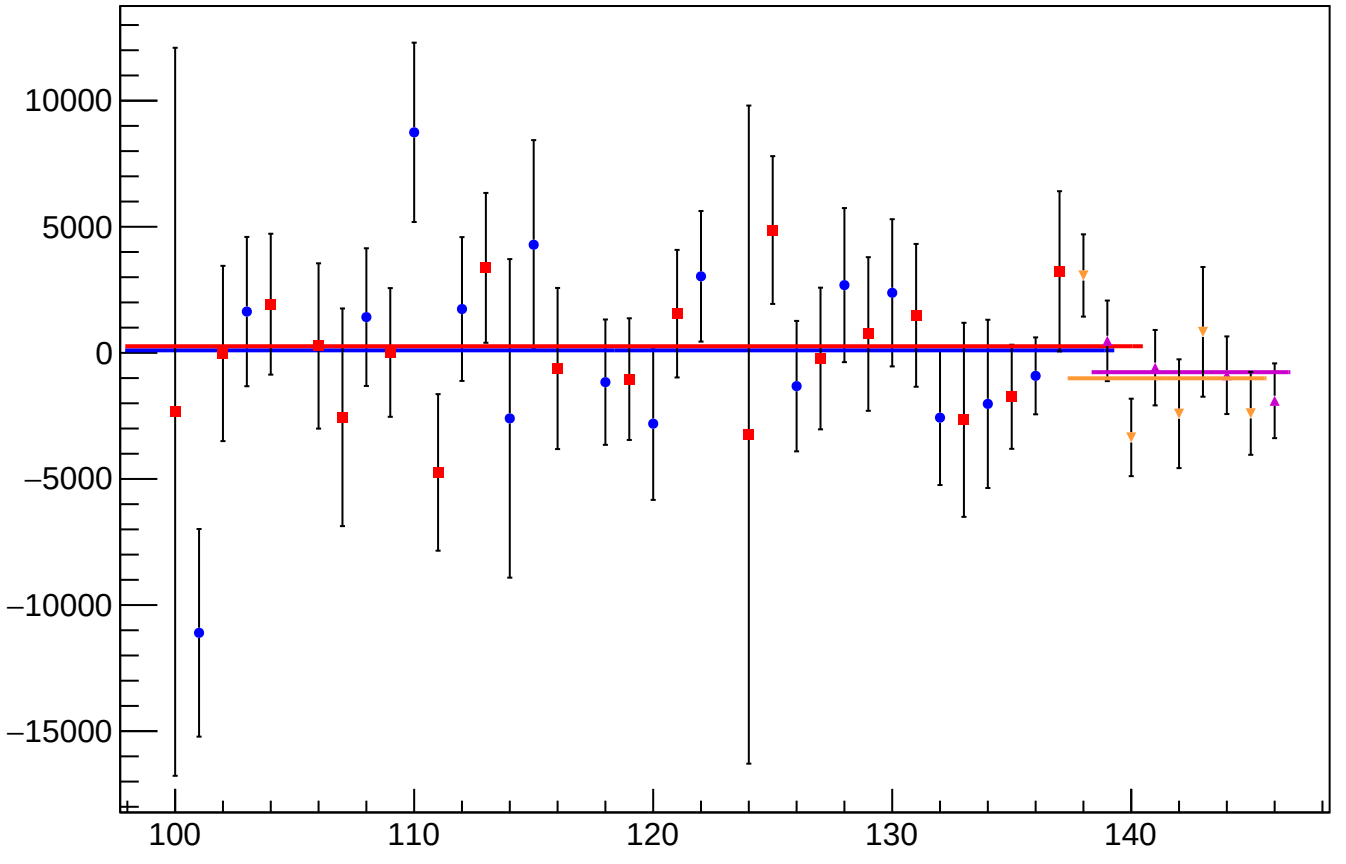
Left: 630.070+/-0.173 χ^2/NDF: 1087935.6/8

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 802.112+/-0.186 χ^2/NDF:2855120.4/19

Out: 836.441+/-0.197 χ^2/NDF:4155069.3/23

All: 818.296+/-0.136 χ^2/NDF: 7026178.6/43



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1008.541+/-806.880 χ^2/NDF:10.2/4

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -765.959+/-763.330 χ^2/NDF:1.2/3

Left: -880.527+/-554.513 χ^2/NDF: 11.5/8

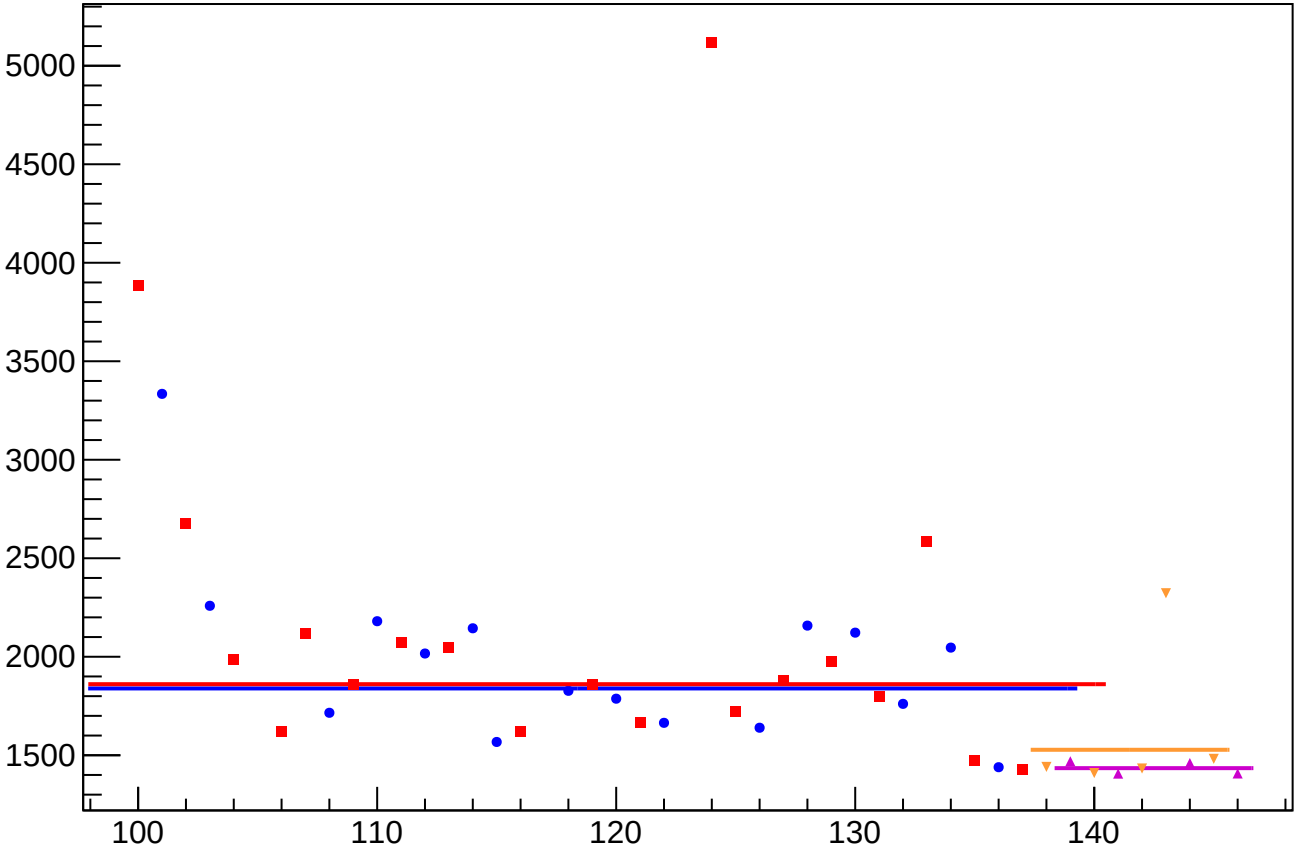
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -294.702+/-515.506 χ^2/NDF:23.2/19

Out: -282.942+/-528.635 χ^2/NDF:22.0/23

All: -288.970+/-369.072 χ^2/NDF: 45.2/43

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: 1527.769+/-0.571 χ^2/NDF:213831.0/4

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1434.548+/-0.540 χ^2/NDF:2862.3/3

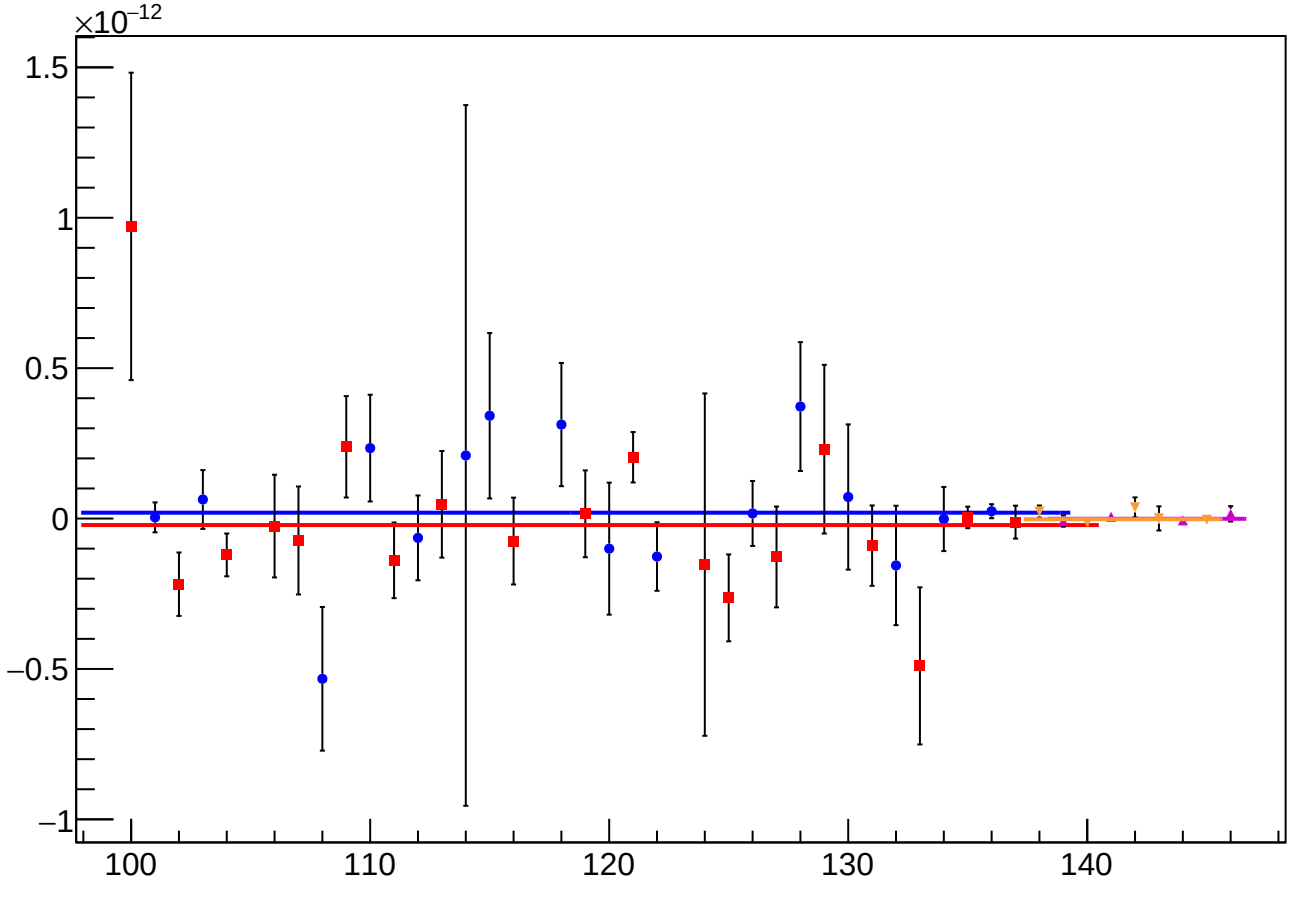
Left: 1478.575+/-0.392 χ^2/NDF: 230780.9/8

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1654.599+/-0.365 χ^2/NDF:865162.0/19

Out: 1717.827+/-0.374 χ^2/NDF:930357.4/23

All: 1685.418+/-0.261 χ^2/NDF: 1810185.0/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/3

Left: -0.000+/-0.000 χ^2/NDF: 4.9/8

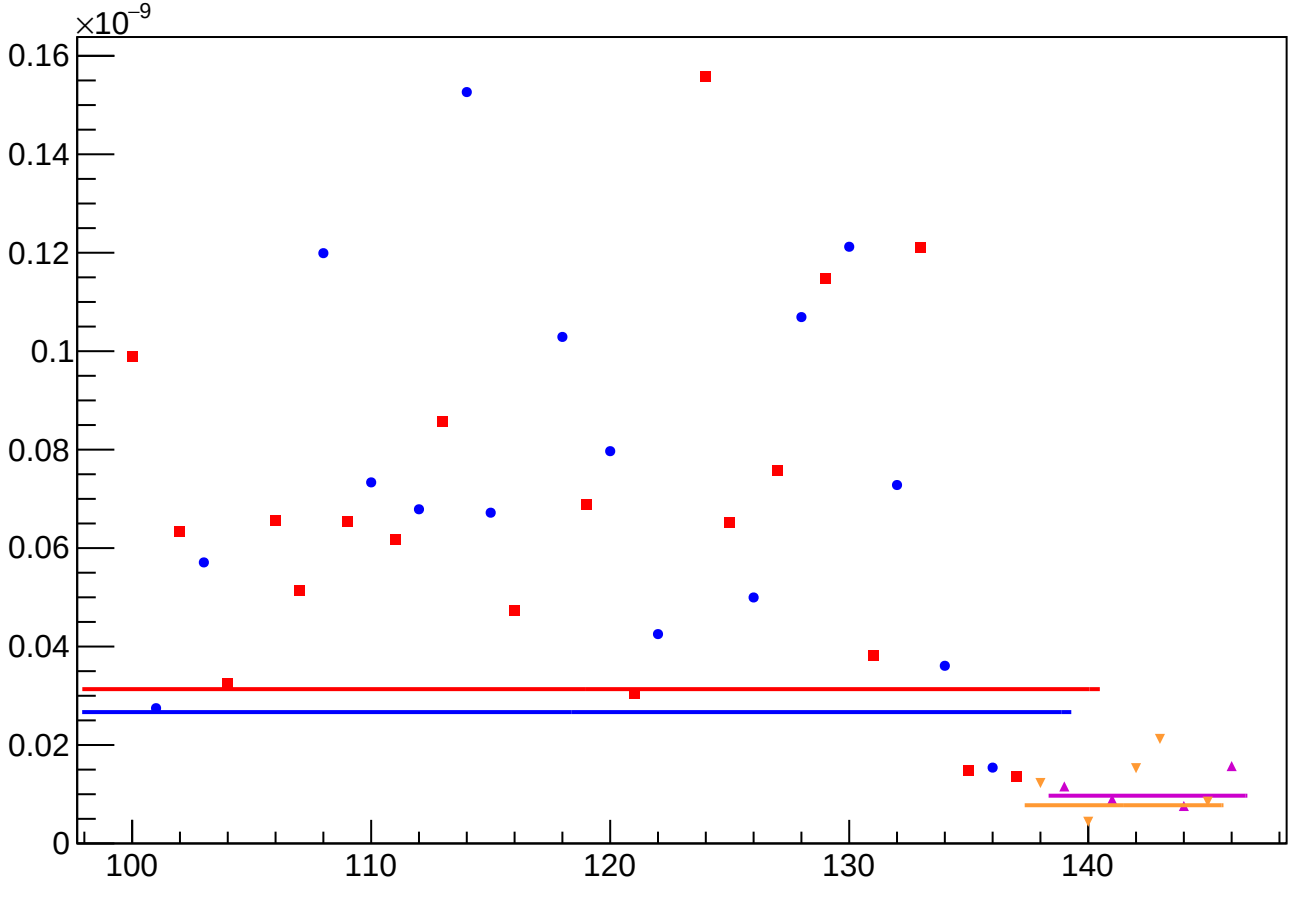
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:18.3/19

Out: -0.000+/-0.000 χ^2/NDF:32.8/23

All: -0.000+/-0.000 χ^2/NDF: 51.6/43

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:629833.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:185270.3/3

Left: 0.000+/-0.000 χ^2/NDF: 872390.2/8

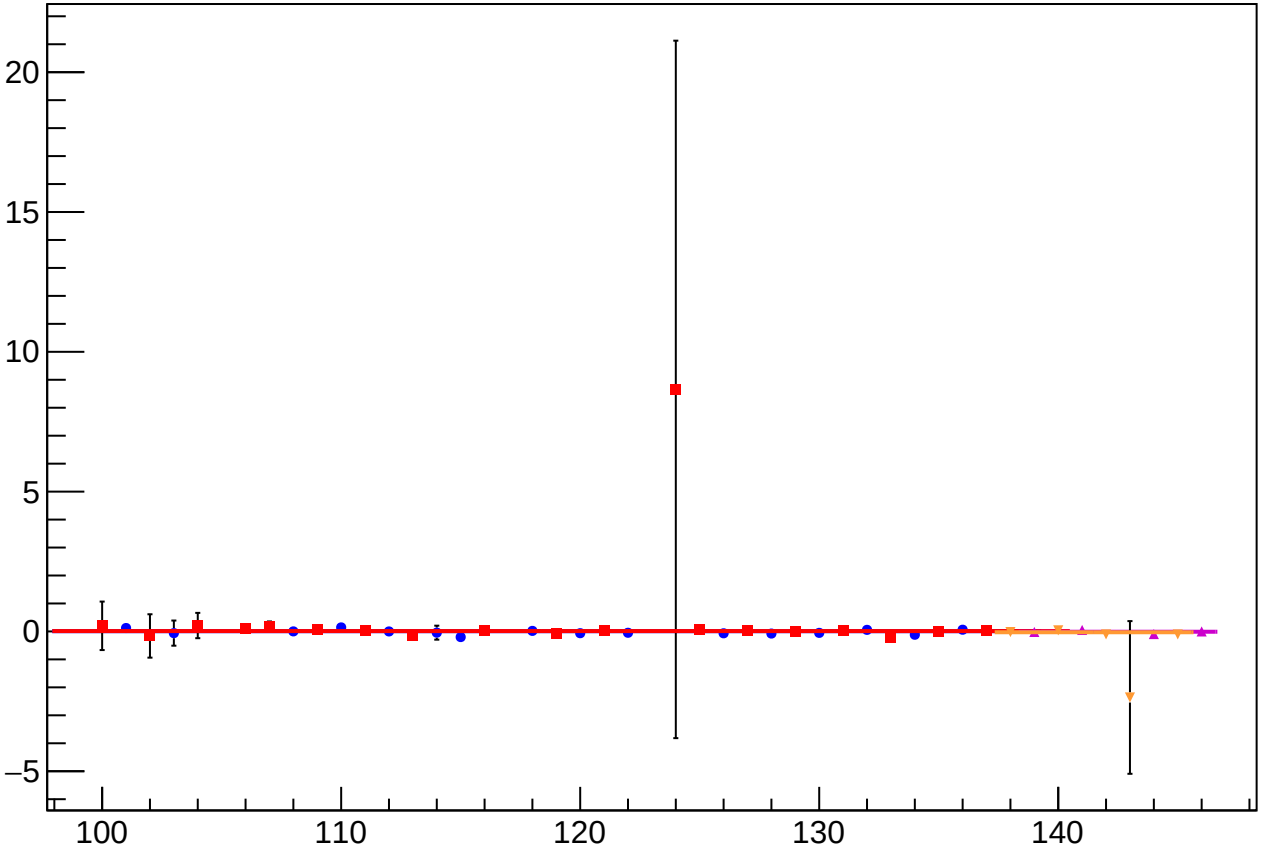
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4119157.1/19

Out: 0.000+/-0.000 χ^2/NDF:4907065.9/23

All: 0.000+/-0.000 χ^2/NDF: 9123896.6/43

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: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.019+/-0.015 χ^2/NDF: 8.6/8

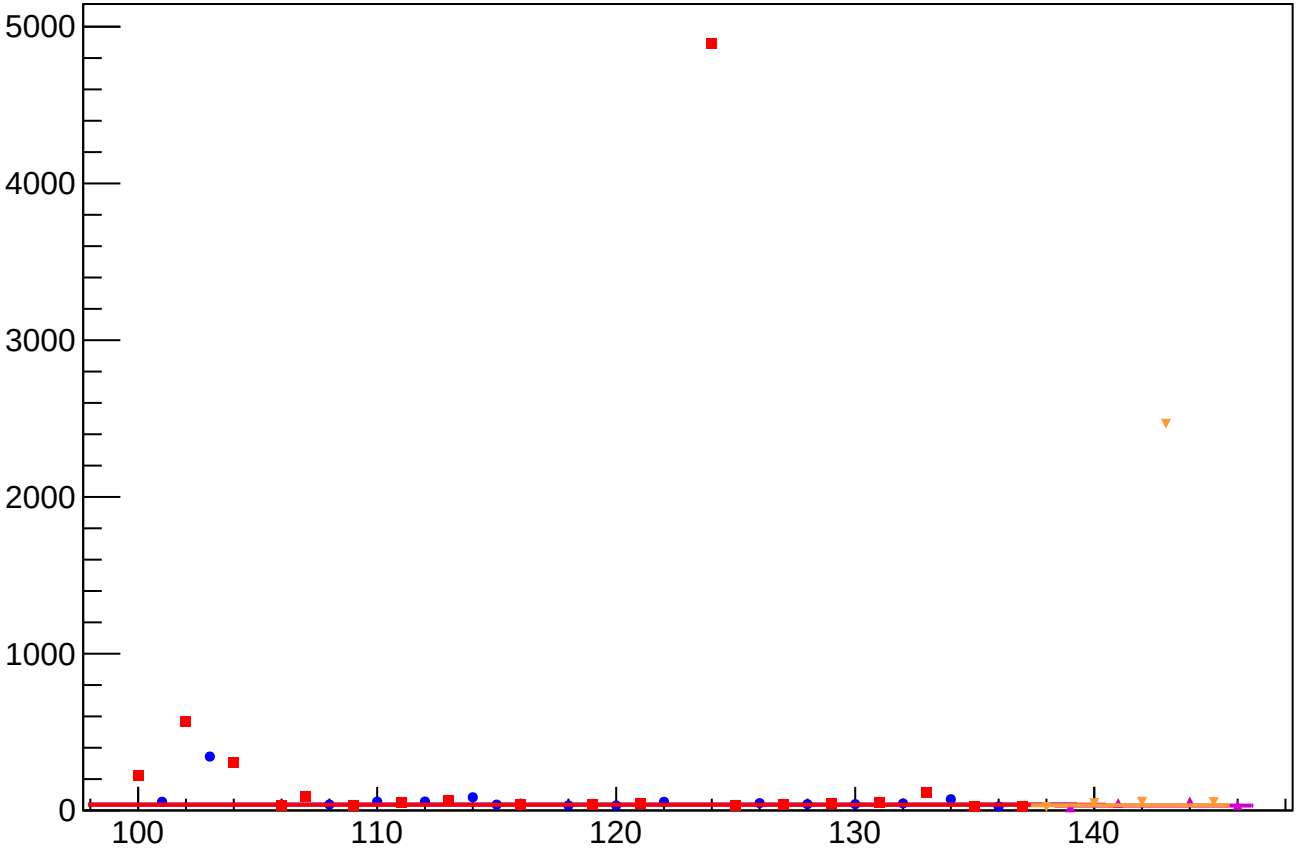
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: -0.002+/-0.013 χ^2/NDF:19.7/23

All: -0.001+/-0.009 χ^2/NDF: 42.9/43

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: 33.091+/-0.016 χ^2/NDF:2371298.2/4

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

Left: 31.947+/-0.010 χ^2/NDF: 3250676.5/8

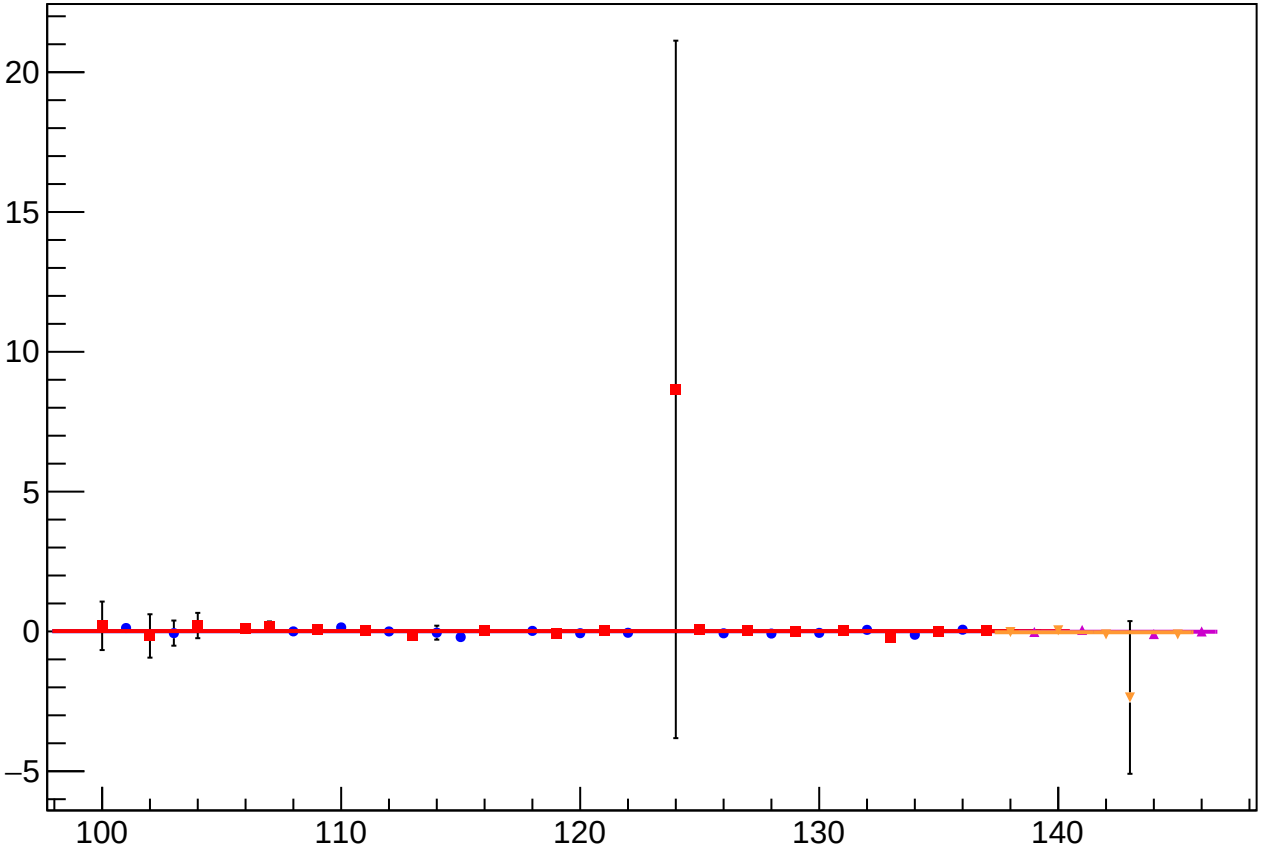
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.885+/-0.009 χ^2/NDF:2982753.7/19

Out: 35.470+/-0.009 χ^2/NDF:5596525.3/23

All: 35.155+/-0.006 χ^2/NDF: 8581346.1/43

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: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.019+/-0.015 χ^2/NDF: 8.6/8

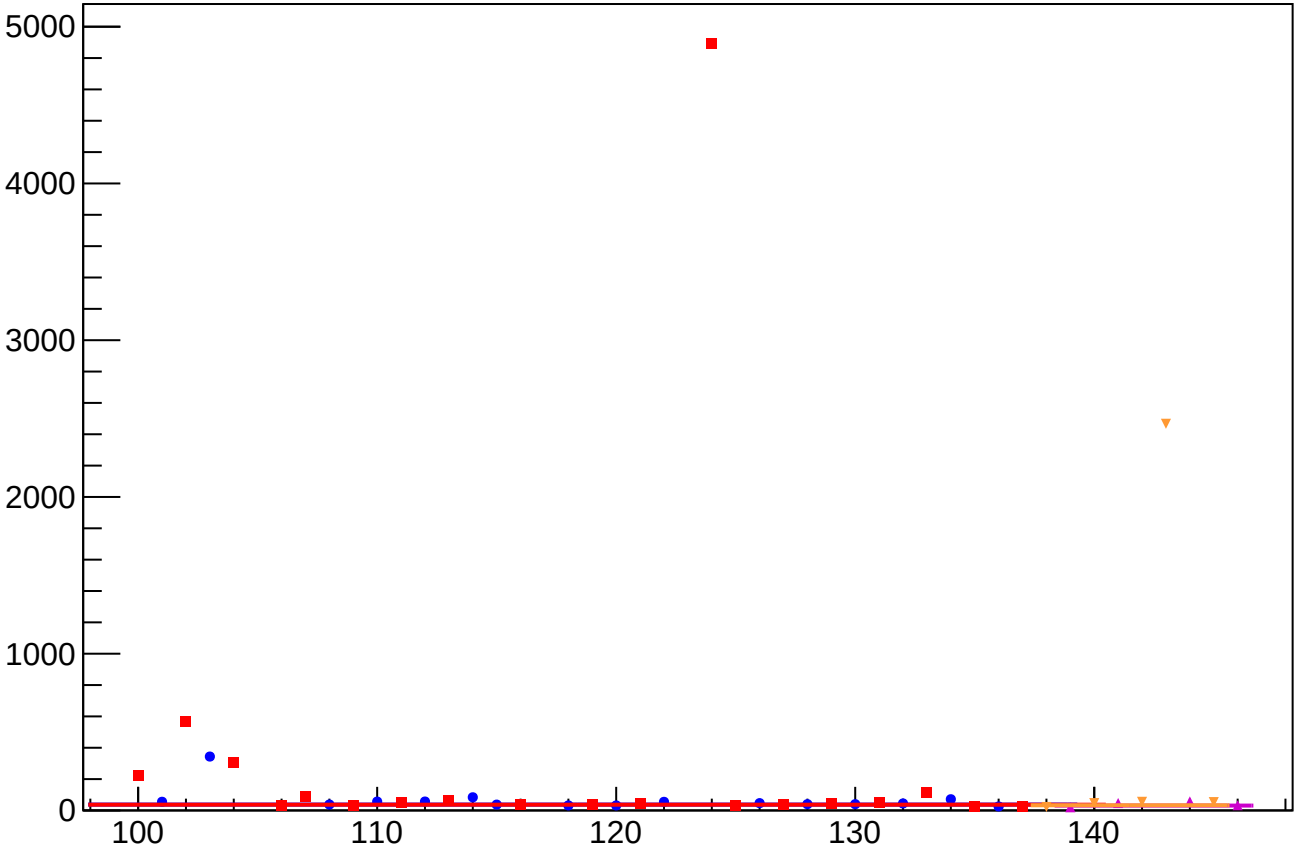
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: -0.002+/-0.013 χ^2/NDF:19.7/23

All: -0.001+/-0.009 χ^2/NDF: 42.9/43

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: 33.091+/-0.016 χ^2/NDF:2371298.2/4

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

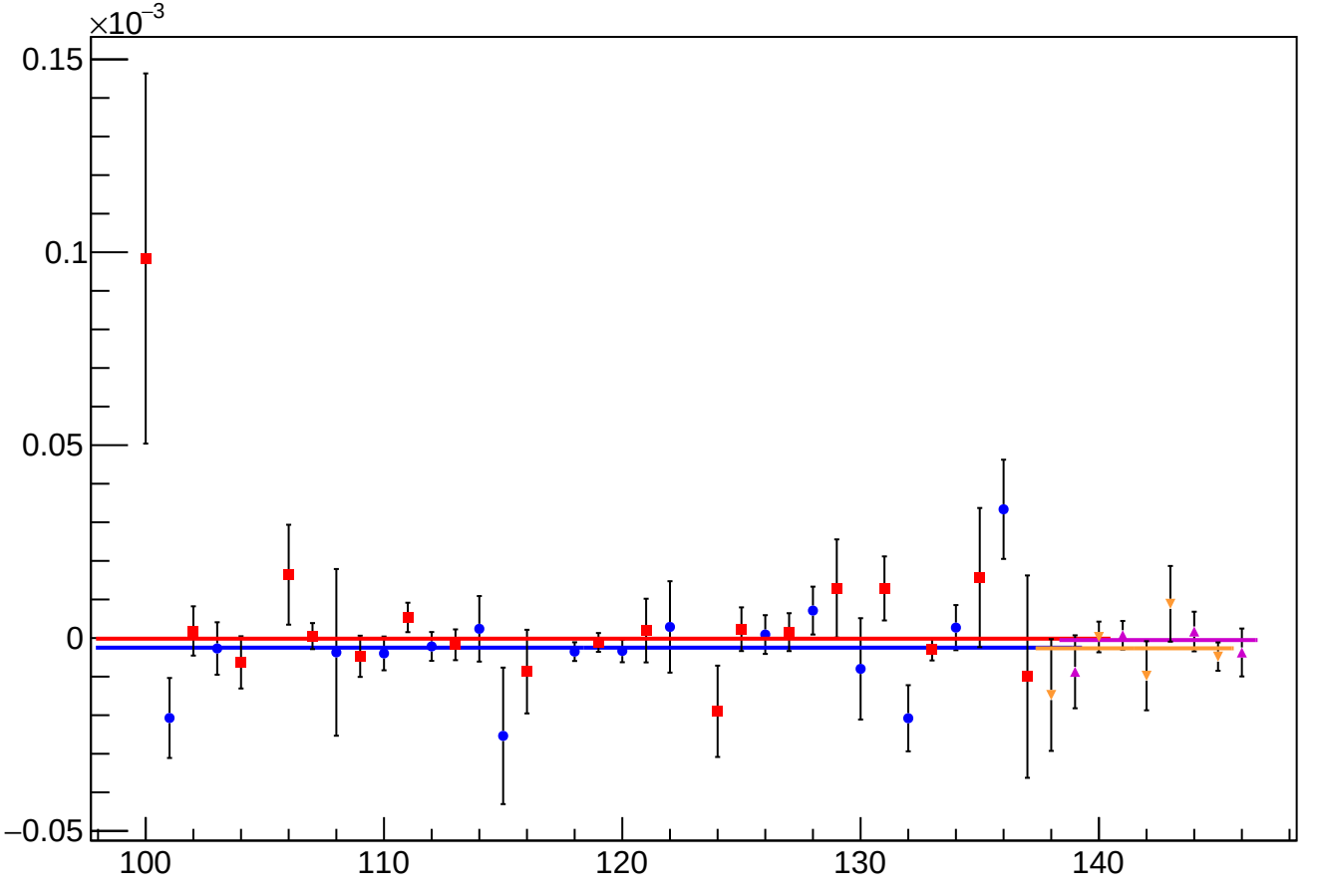
Left: 31.947+/-0.010 χ^2/NDF: 3250676.5/8

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.885+/-0.009 χ^2/NDF:2982753.7/19

Out: 35.470+/-0.009 χ^2/NDF:5596525.3/23

All: 35.155+/-0.006 χ^2/NDF: 8581346.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/3

Left: -0.000+/-0.000 χ^2/NDF: 5.3/8

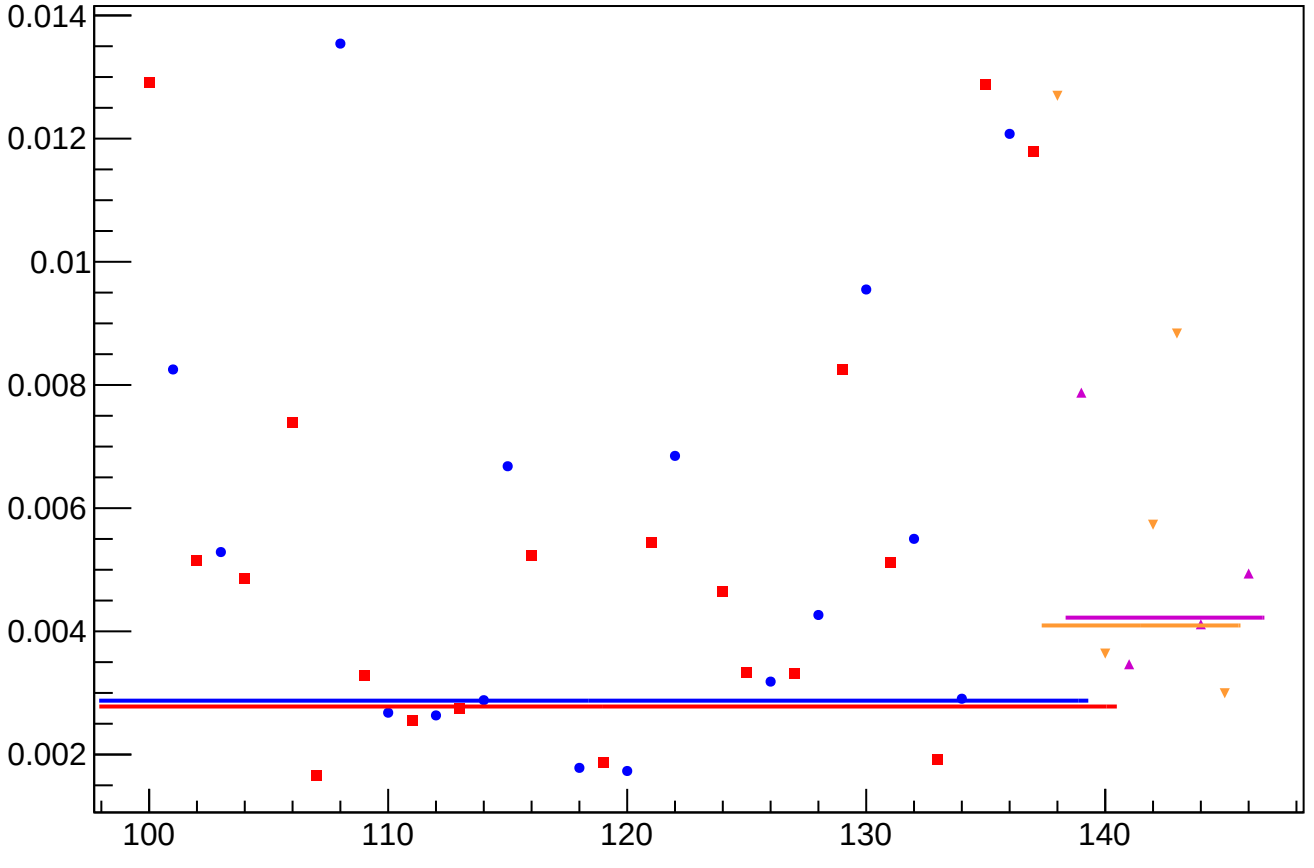
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:23.6/19

Out: -0.000+/-0.000 χ^2/NDF:23.3/23

All: -0.000+/-0.000 χ^2/NDF: 47.8/43

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:1444443.2/4

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:409779.0/3

Left: 0.004+/-0.000 χ^2/NDF: 1856745.0/8

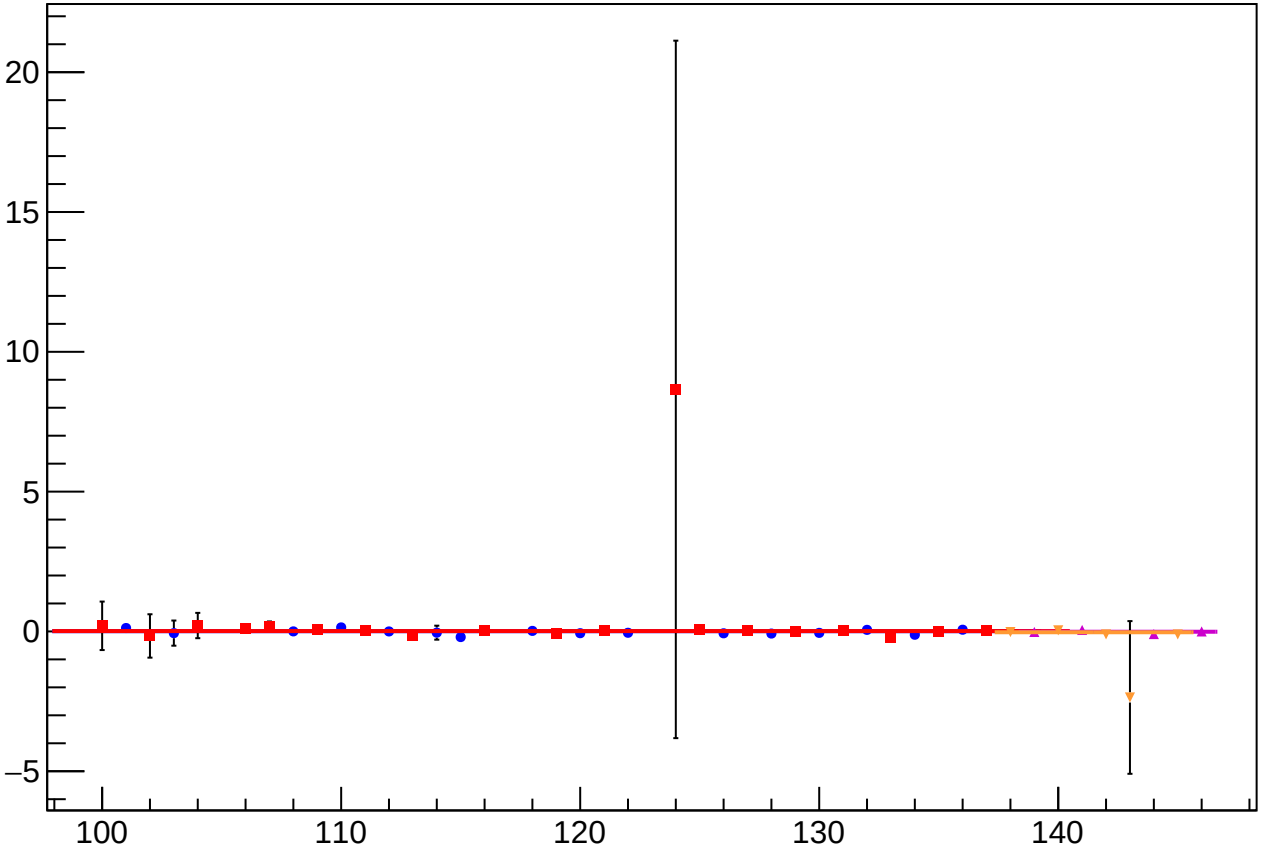
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4992022.9/19

Out: 0.003+/-0.000 χ^2/NDF:5221523.1/23

All: 0.003+/-0.000 χ^2/NDF: 10225757.2/43

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: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

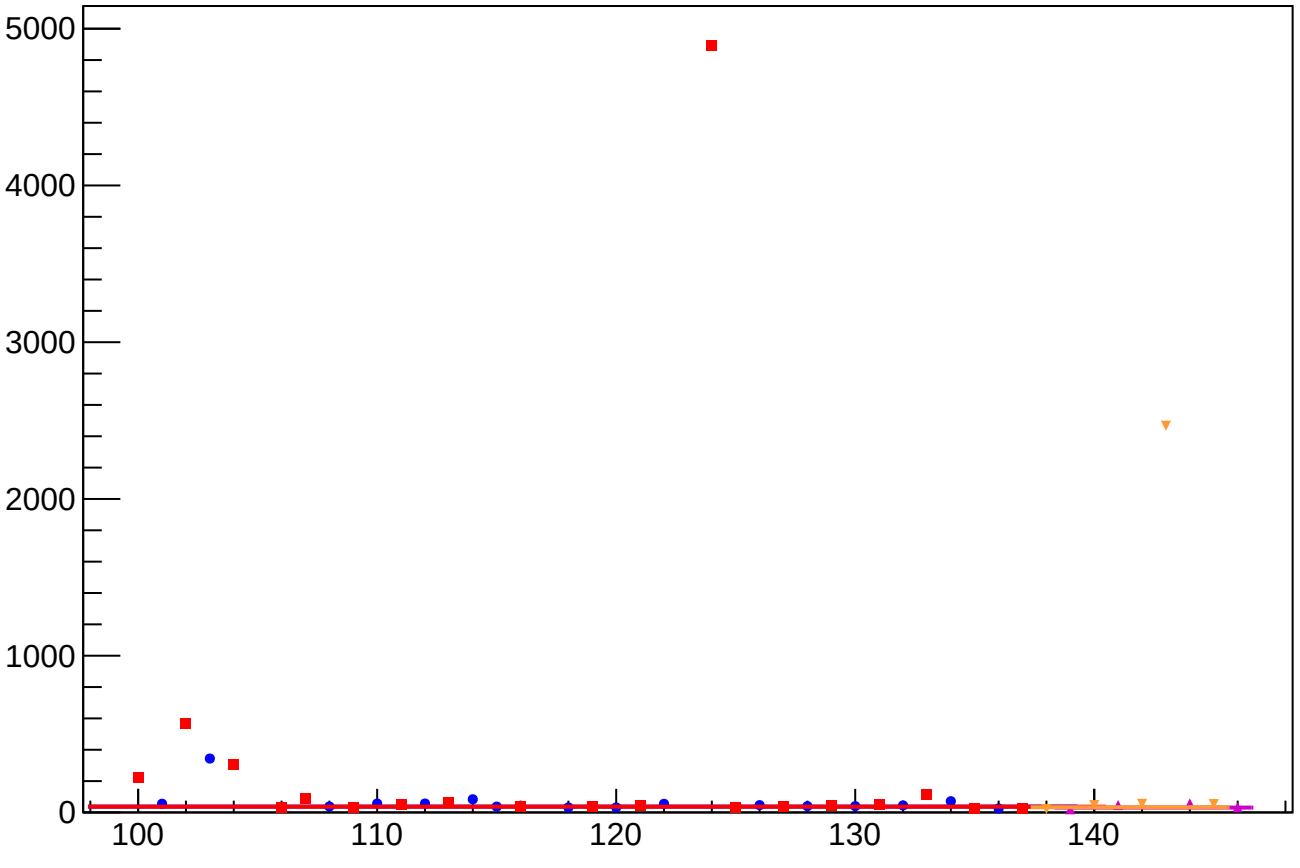
Left: -0.019+/-0.015 χ^2/NDF: 8.6/8

Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: -0.002+/-0.013 χ^2/NDF:19.7/23

All: -0.001+/-0.009 χ^2/NDF: 42.9/43



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.087+/-0.016 χ^2/NDF:2371628.0/4

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

Left: 31.949+/-0.010 χ^2/NDF: 3250256.2/8

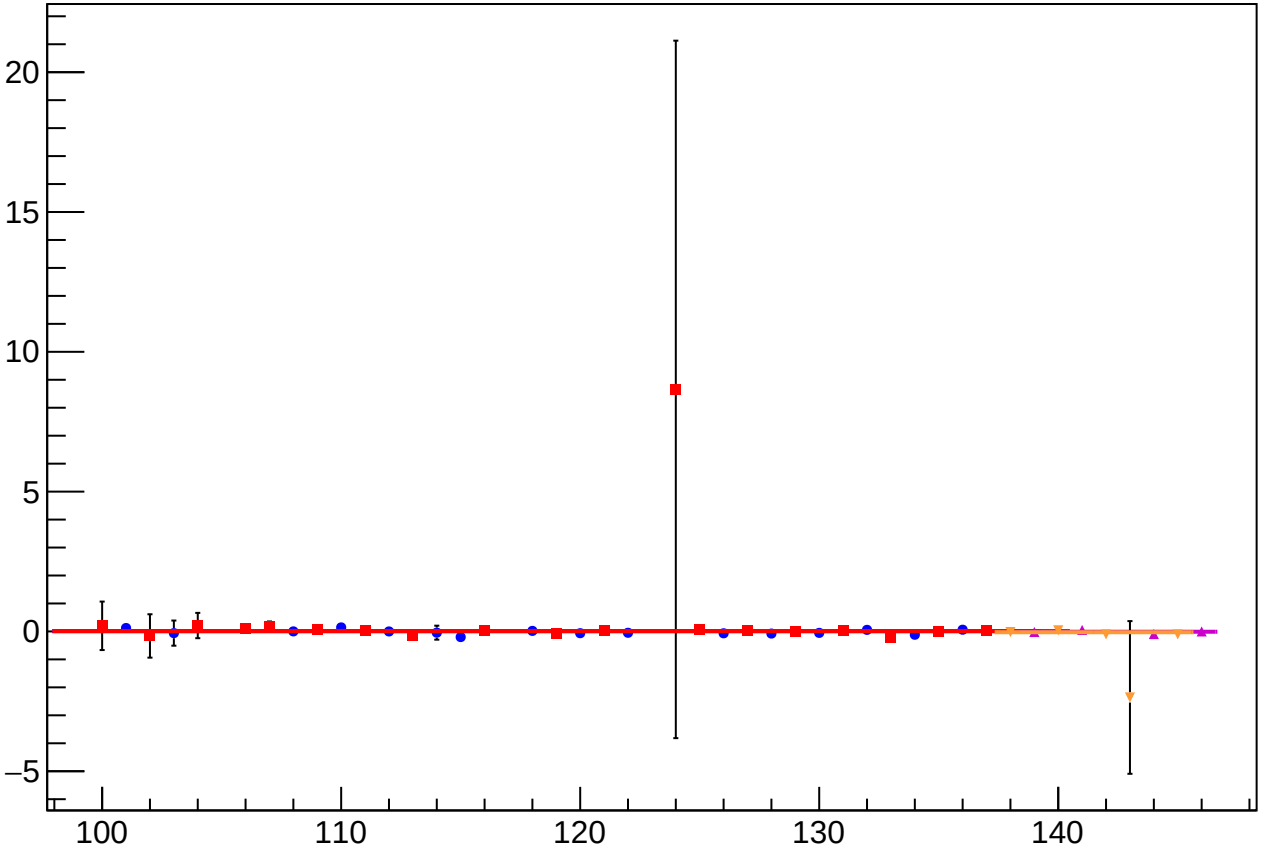
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.888+/-0.009 χ^2/NDF:2981757.5/19

Out: 35.470+/-0.009 χ^2/NDF:5596667.6/23

All: 35.156+/-0.006 χ^2/NDF: 8580463.9/43

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: -0.029+/-0.023 χ^2/NDF:4.9/4

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.019+/-0.015 χ^2/NDF: 8.6/8

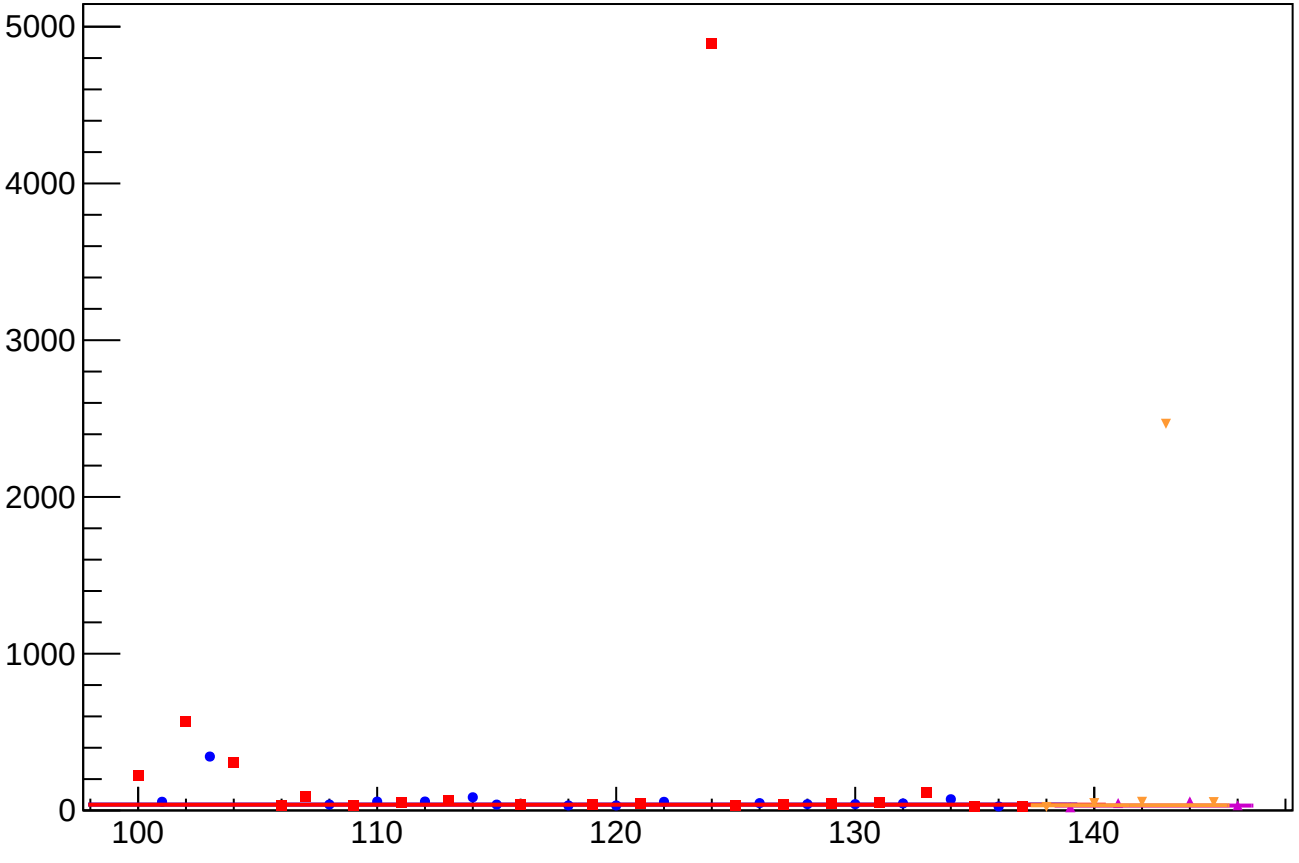
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: -0.002+/-0.013 χ^2/NDF:19.7/23

All: -0.001+/-0.009 χ^2/NDF: 42.9/43

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: 33.087+/-0.016 χ^2/NDF:2371628.0/4

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

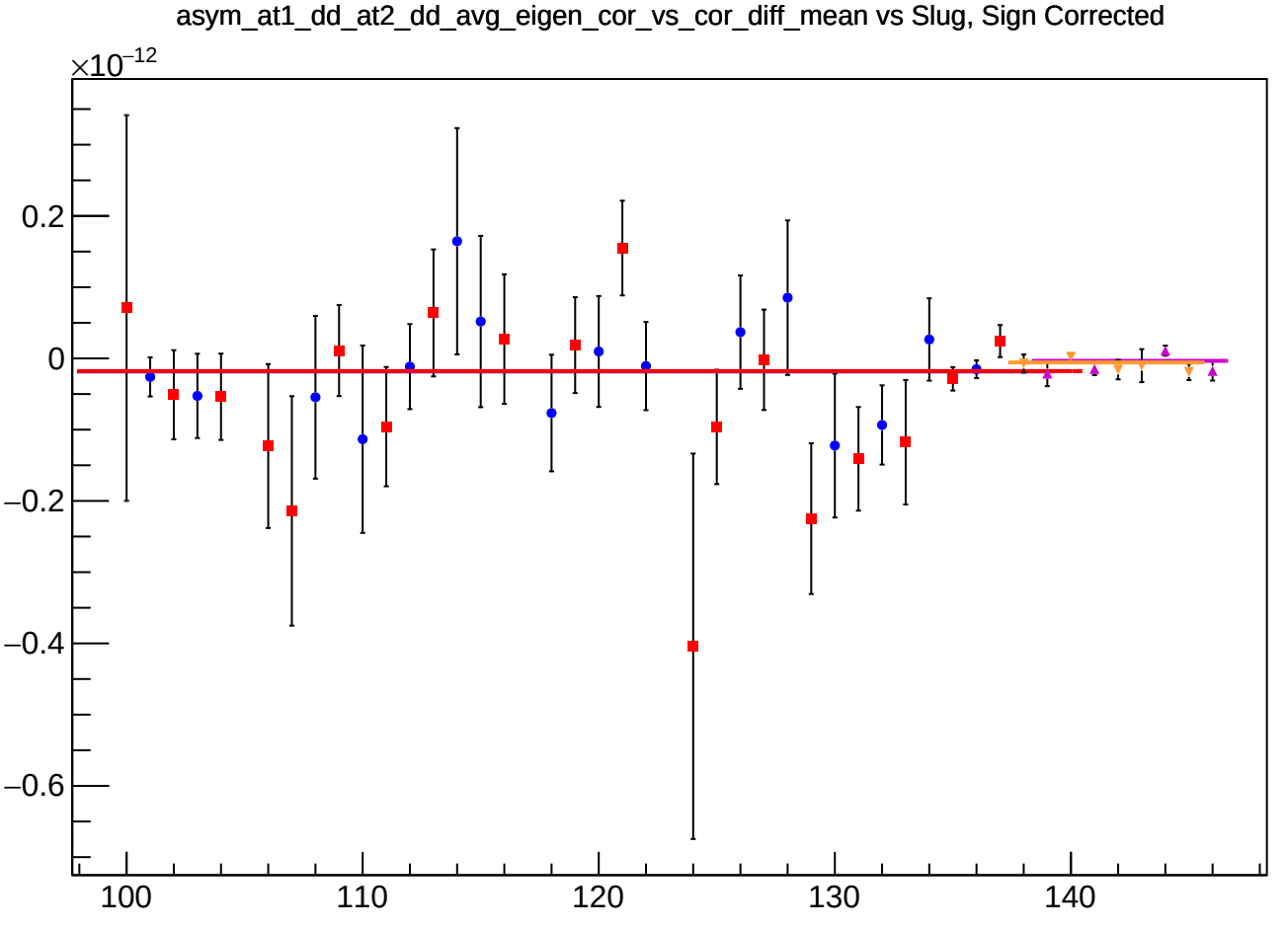
Left: 31.949+/-0.010 χ^2/NDF: 3250256.2/8

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.888+/-0.009 χ^2/NDF:2981757.5/19

Out: 35.470+/-0.009 χ^2/NDF:5596667.6/23

All: 35.156+/-0.006 χ^2/NDF: 8580463.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/3

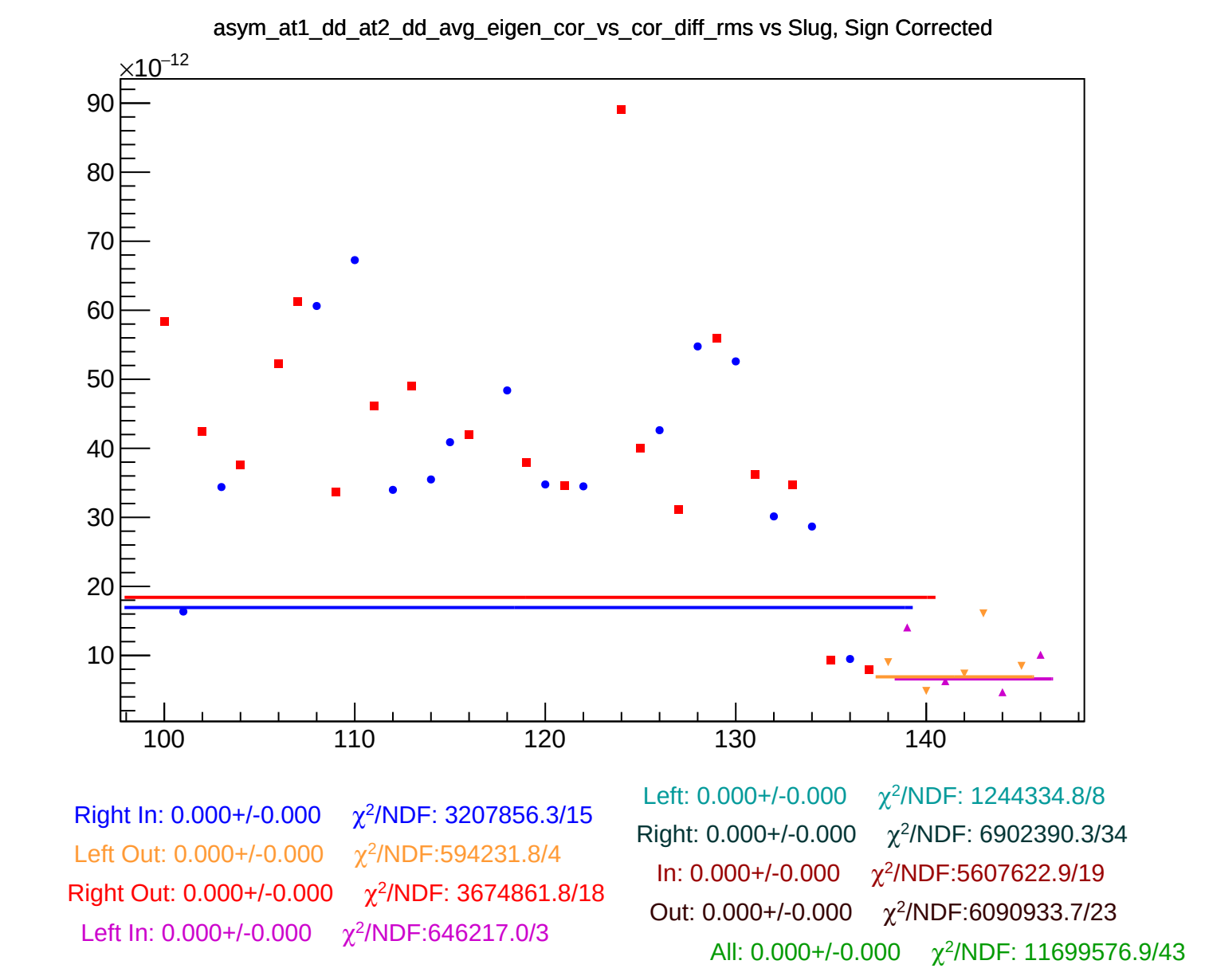
Left: -0.000+/-0.000 χ^2/NDF: 11.4/8

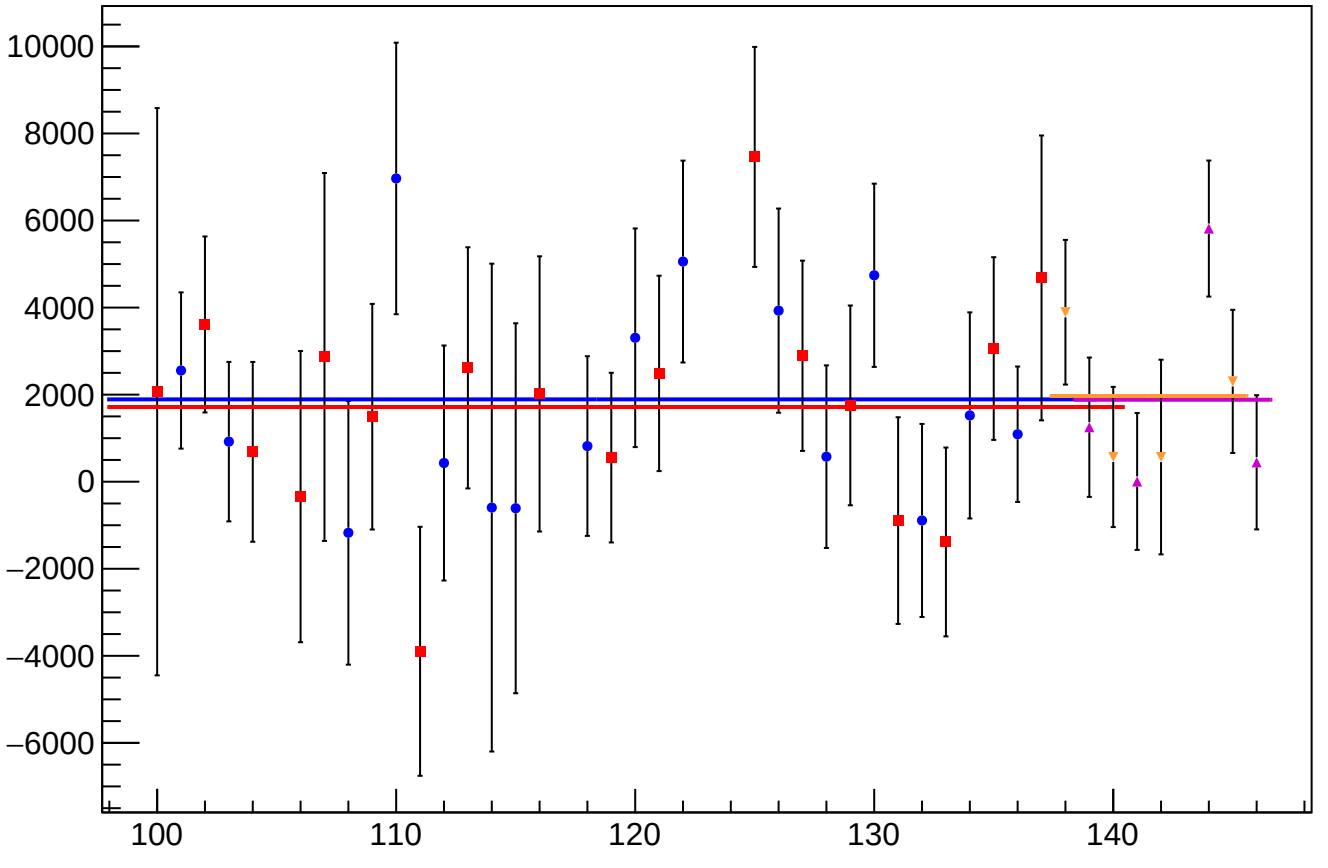
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:18.1/19

Out: -0.000+/-0.000 χ^2/NDF:31.6/23

All: -0.000+/-0.000 χ^2/NDF: 49.8/43


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:594231.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:646217.0/3
Left: 0.000+/-0.000 χ²/NDF: 1244334.8/8
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:5607622.9/19
Out: 0.000+/-0.000 χ²/NDF:6090933.7/23
All: 0.000+/-0.000 χ²/NDF: 11699576.9/43



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1969.462+/-871.192 χ^2/NDF:2.5/3

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1882.979+/-784.400 χ^2/NDF:8.8/3

Left: 1921.699+/-582.931 χ^2/NDF: 11.3/7

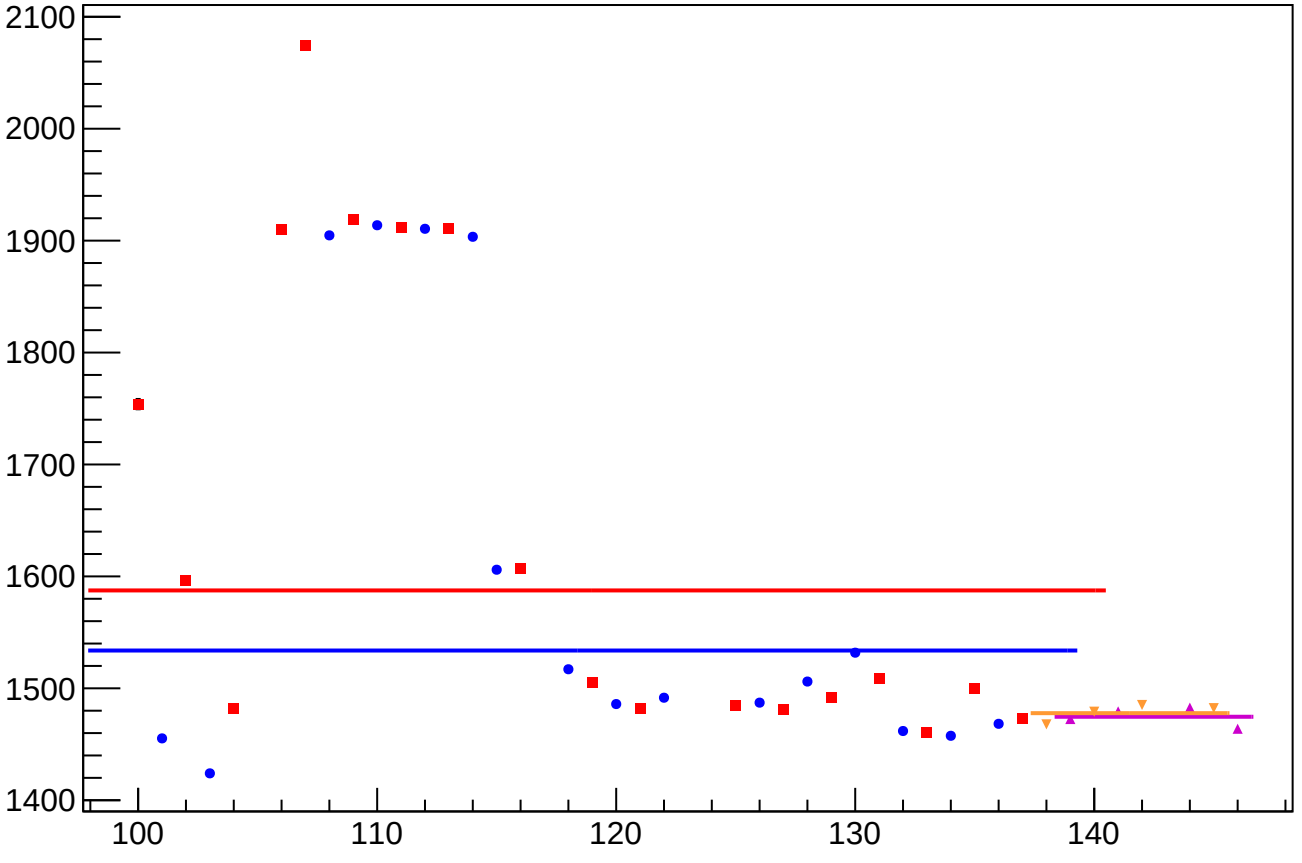
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1888.512+/-462.297 χ^2/NDF:21.0/19

Out: 1795.545+/-488.241 χ^2/NDF:18.6/21

All: 1844.564+/-335.691 χ^2/NDF: 39.6/41

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1477.802+/-0.616 χ^2/NDF:110.2/3

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

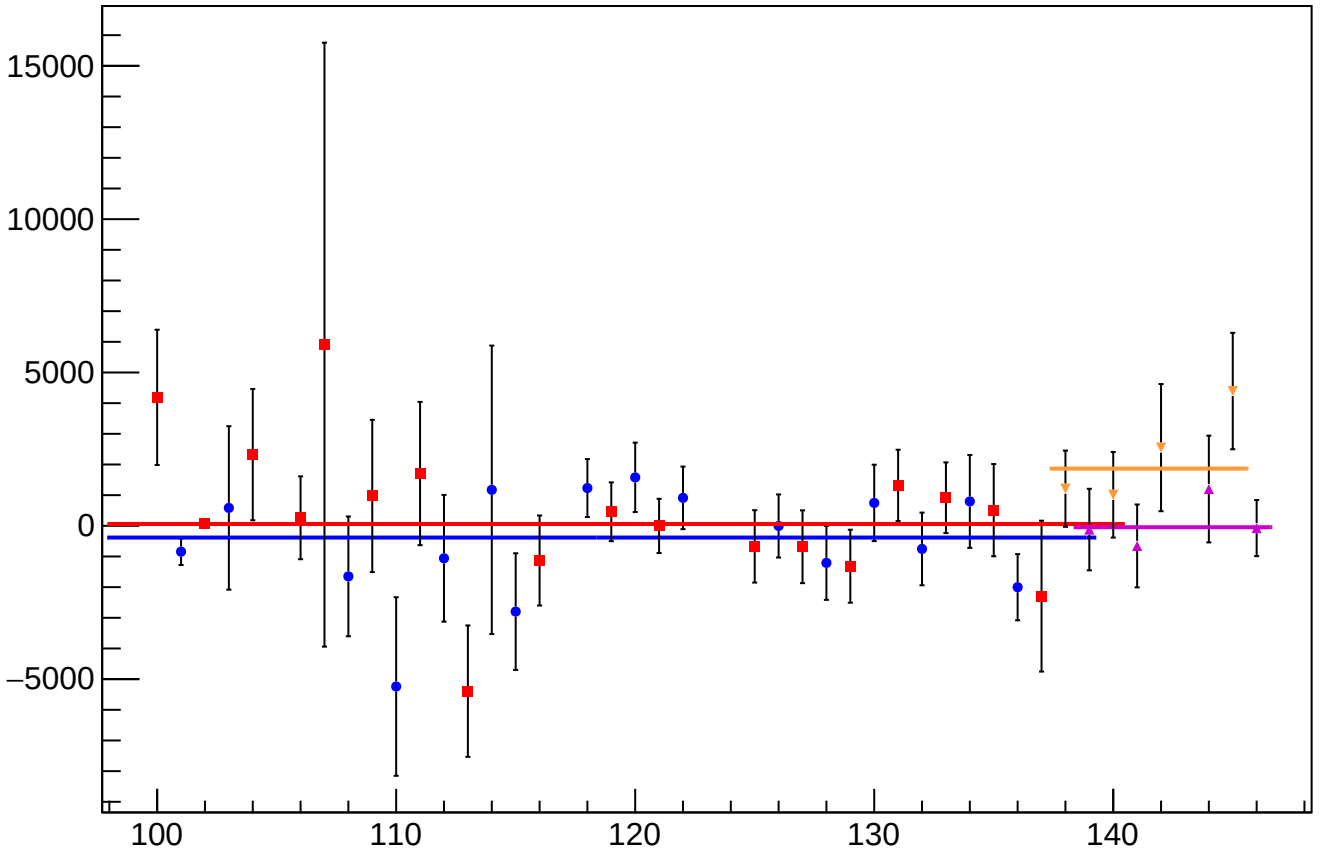
Left: 1476.027+/-0.412 χ^2/NDF: 298.3/7

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1513.213+/-0.327 χ^2/NDF:136875.4/19

Out: 1553.020+/-0.345 χ^2/NDF:193833.7/21

All: 1532.031+/-0.237 χ^2/NDF: 337718.8/41



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1865.565+/-773.940 χ^2/NDF:2.5/3

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: -45.604+/-615.732 χ^2/NDF:0.7/3

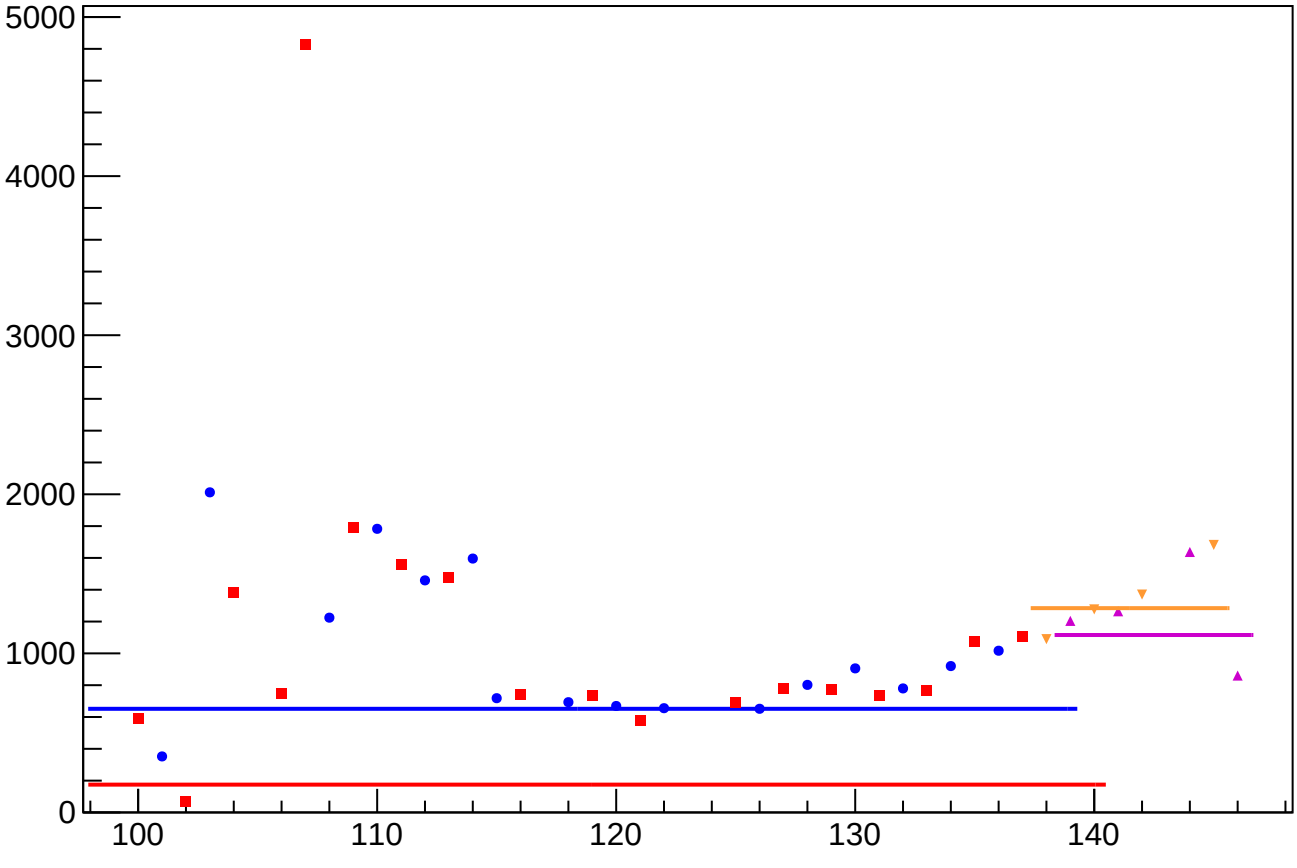
Left: 695.185+/-481.843 χ^2/NDF: 7.0/7

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -327.661+/-248.965 χ^2/NDF:19.2/19

Out: 107.825+/-125.997 χ^2/NDF:25.6/21

All: 19.030+/-112.420 χ^2/NDF: 47.2/41



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1284.280+/-0.547 χ^2/NDF:140210.1/3

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1115.453+/-0.435 χ^2/NDF:368370.5/3

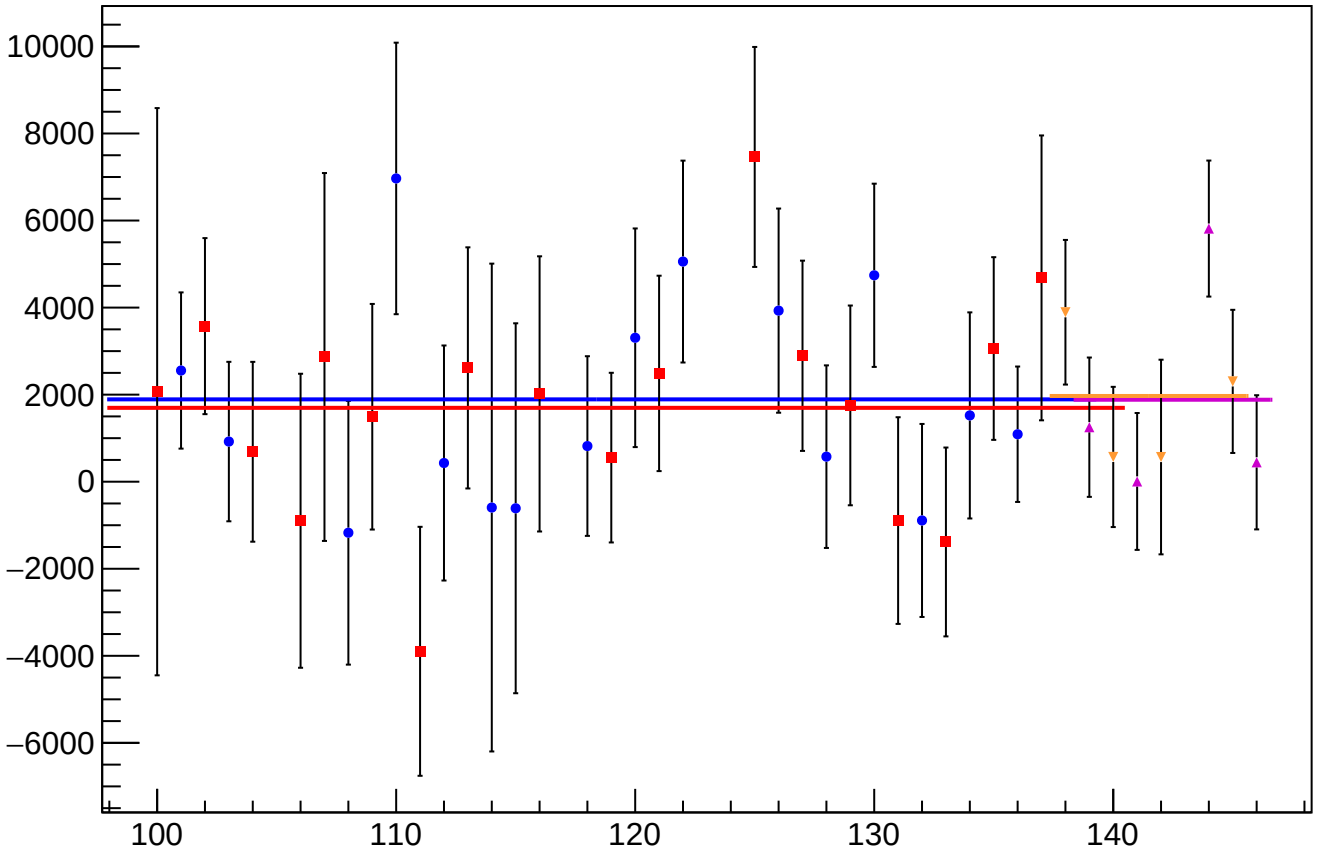
Left: 1180.892+/-0.341 χ^2/NDF: 566861.5/7

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 727.371+/-0.176 χ^2/NDF:4080805.7/19

Out: 204.301+/-0.089 χ^2/NDF:13901908.9/21

All: 310.954+/-0.079 χ^2/NDF: 25010899.6/41



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1969.558+/-871.192 χ^2/NDF:2.5/3

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1883.041+/-784.400 χ^2/NDF:8.8/3

Left: 1921.777+/-582.931 χ^2/NDF: 11.3/7

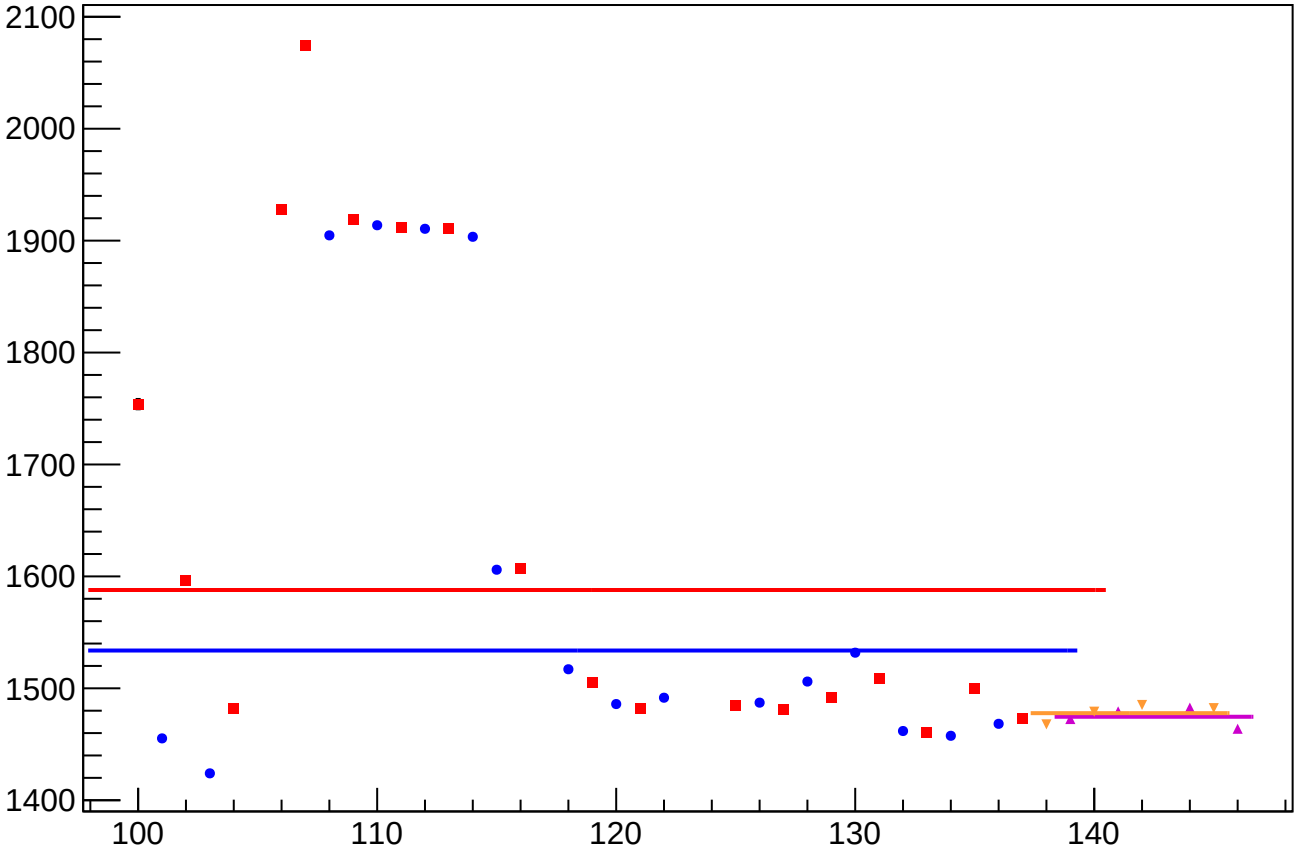
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1888.602+/-462.297 χ^2/NDF:21.0/19

Out: 1782.633+/-488.344 χ^2/NDF:18.8/21

All: 1838.519+/-335.724 χ^2/NDF: 39.8/41

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.802+/-0.616 χ^2/NDF:110.2/3

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

Left: 1476.027+/-0.412 χ^2/NDF: 298.3/7

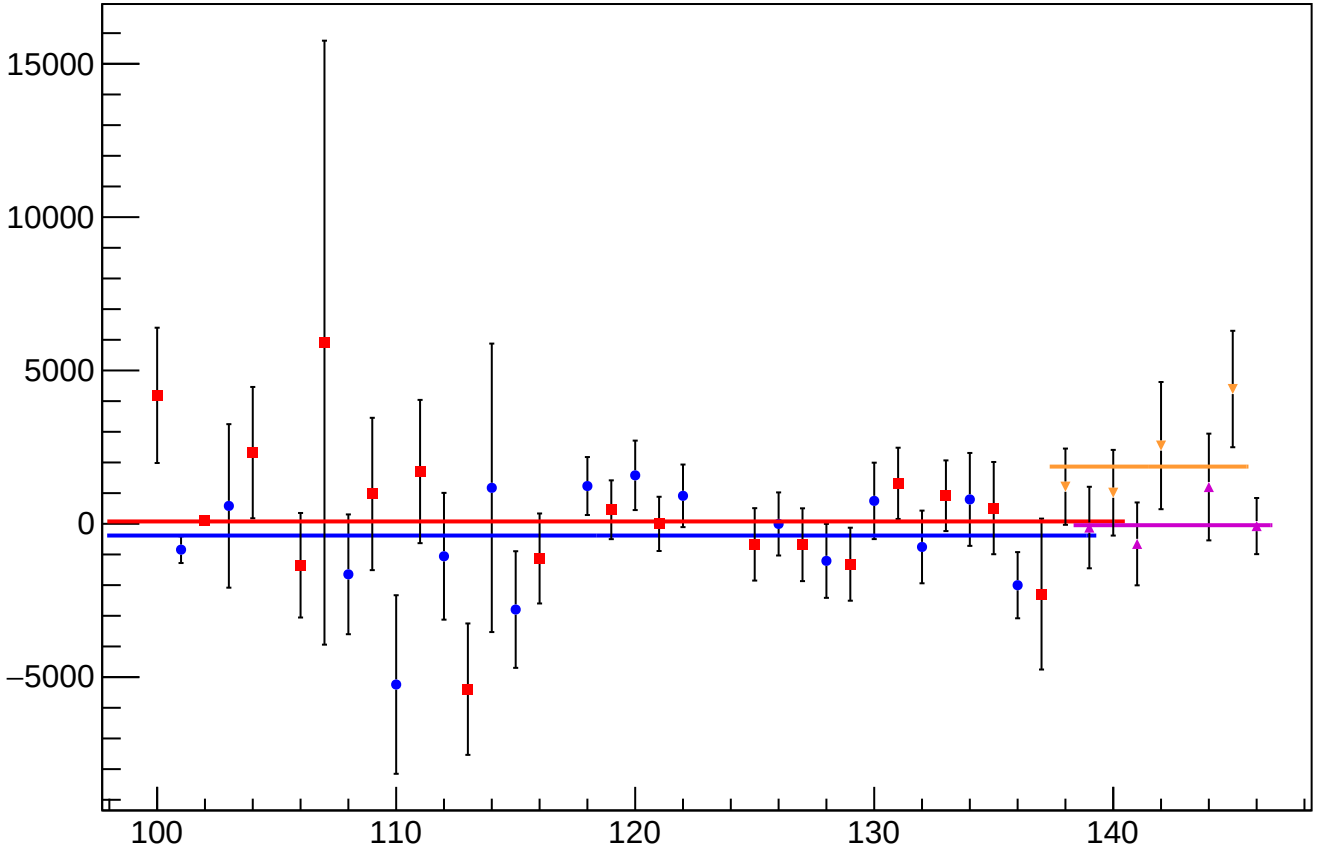
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1513.213+/-0.327 χ^2/NDF:136875.3/19

Out: 1553.269+/-0.345 χ^2/NDF:195761.0/21

All: 1532.145+/-0.237 χ^2/NDF: 339732.6/41

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1865.664+/-773.942 χ^2/NDF:2.5/3

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -45.625+/-615.728 χ^2/NDF:0.7/3

Left: 695.203+/-481.842 χ^2/NDF: 7.0/7

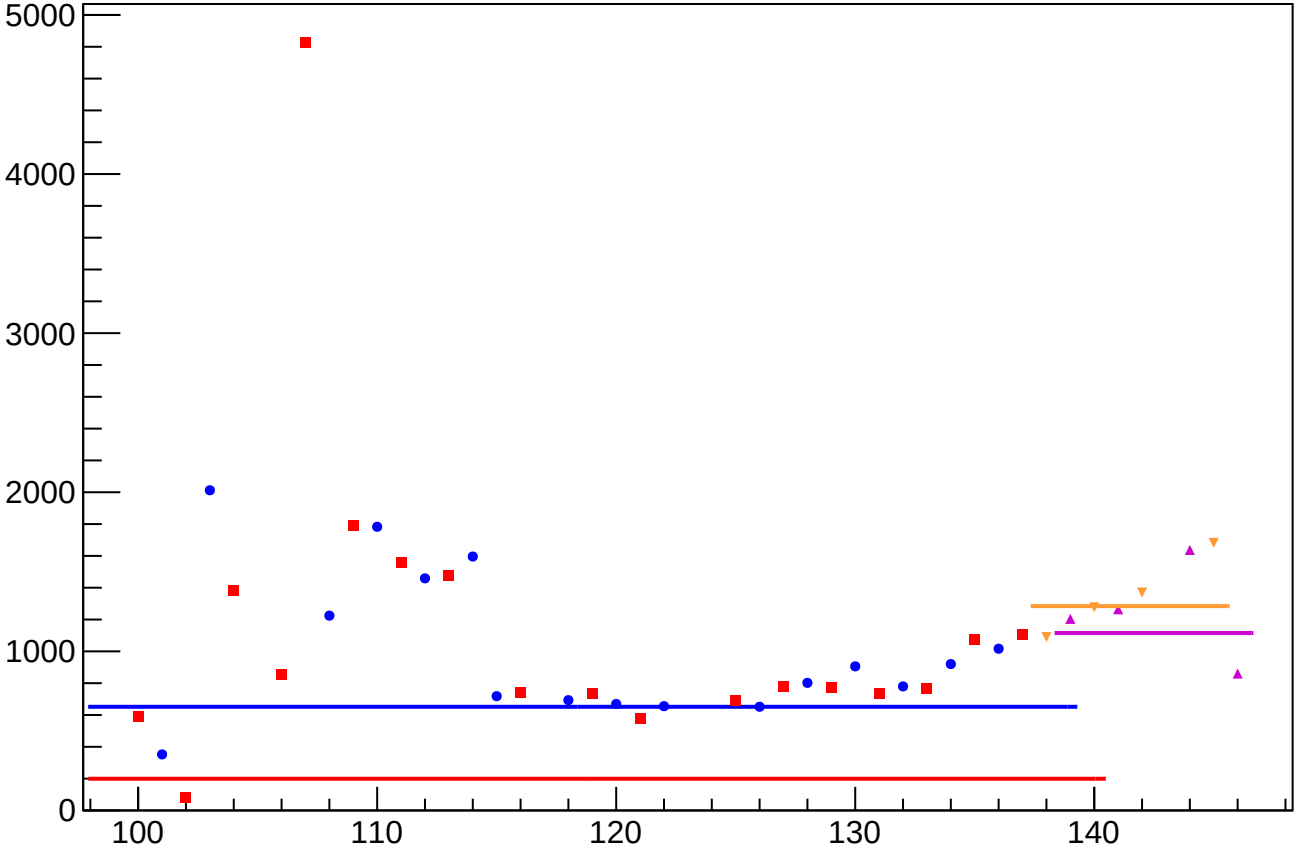
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -327.642+/-248.964 χ^2/NDF:19.2/19

Out: 131.984+/-135.988 χ^2/NDF:26.2/21

All: 26.365+/-119.345 χ^2/NDF: 48.0/41

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1284.285+/-0.547 χ^2/NDF:140205.9/3

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1115.444+/-0.435 χ^2/NDF:368390.9/3

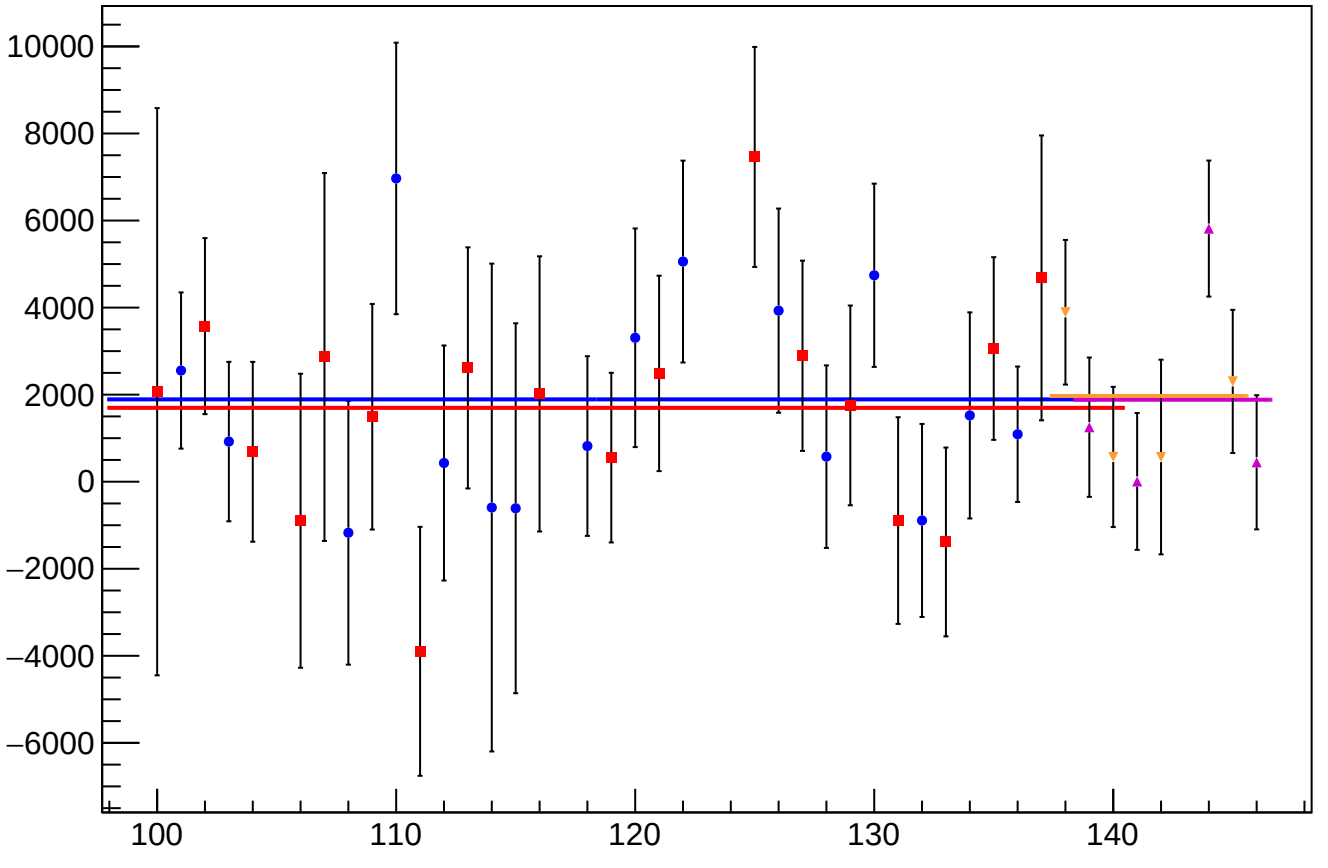
Left: 1180.888+/-0.341 χ^2/NDF: 566887.2/7

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 727.369+/-0.176 χ^2/NDF:4080830.7/19

Out: 232.839+/-0.096 χ^2/NDF:13233950.0/21

All: 346.478+/-0.084 χ^2/NDF: 23392602.8/41



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1969.558+/-871.192 χ^2/NDF:2.5/3

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1883.041+/-784.400 χ^2/NDF:8.8/3

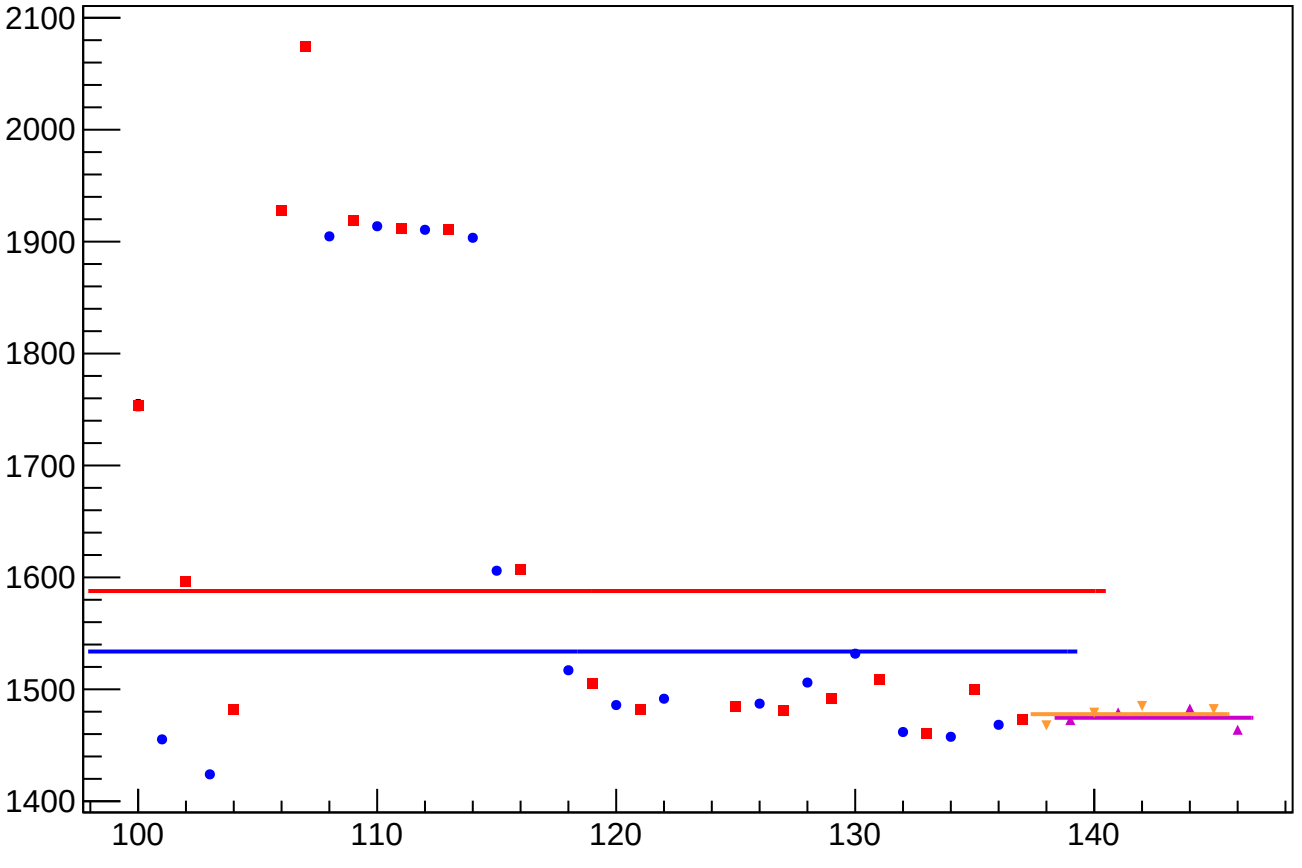
Left: 1921.777+/-582.931 χ^2/NDF: 11.3/7

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1888.602+/-462.297 χ^2/NDF:21.0/19

Out: 1782.633+/-488.344 χ^2/NDF:18.8/21

All: 1838.519+/-335.724 χ^2/NDF: 39.8/41



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.802+/-0.616 χ^2/NDF:110.2/3

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

Left: 1476.027+/-0.412 χ^2/NDF: 298.3/7

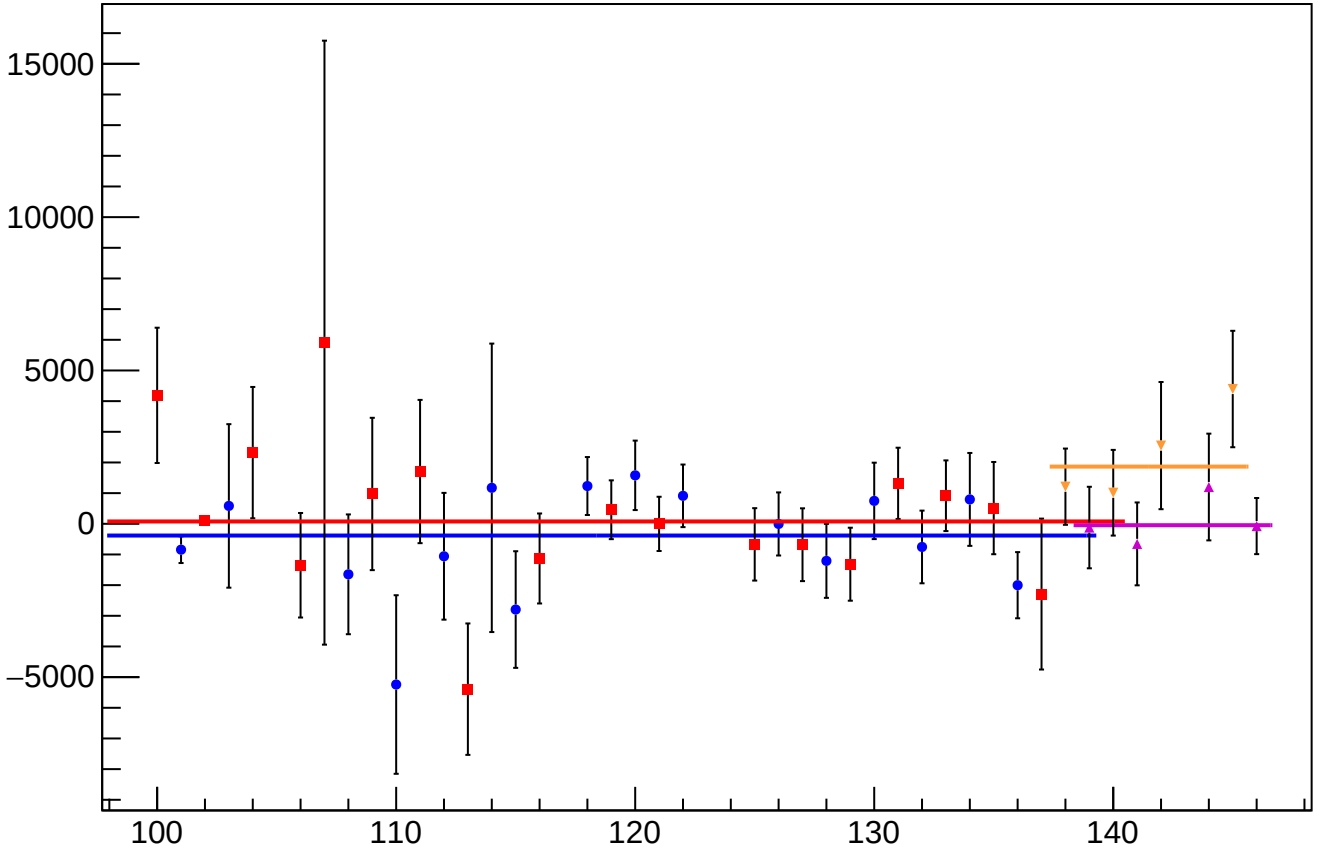
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1513.213+/-0.327 χ^2/NDF:136875.3/19

Out: 1553.269+/-0.345 χ^2/NDF:195761.0/21

All: 1532.145+/-0.237 χ^2/NDF: 339732.6/41

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 1865.664+/-773.942 χ^2/NDF:2.5/3

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -45.625+/-615.728 χ^2/NDF:0.7/3

Left: 695.203+/-481.842 χ^2/NDF: 7.0/7

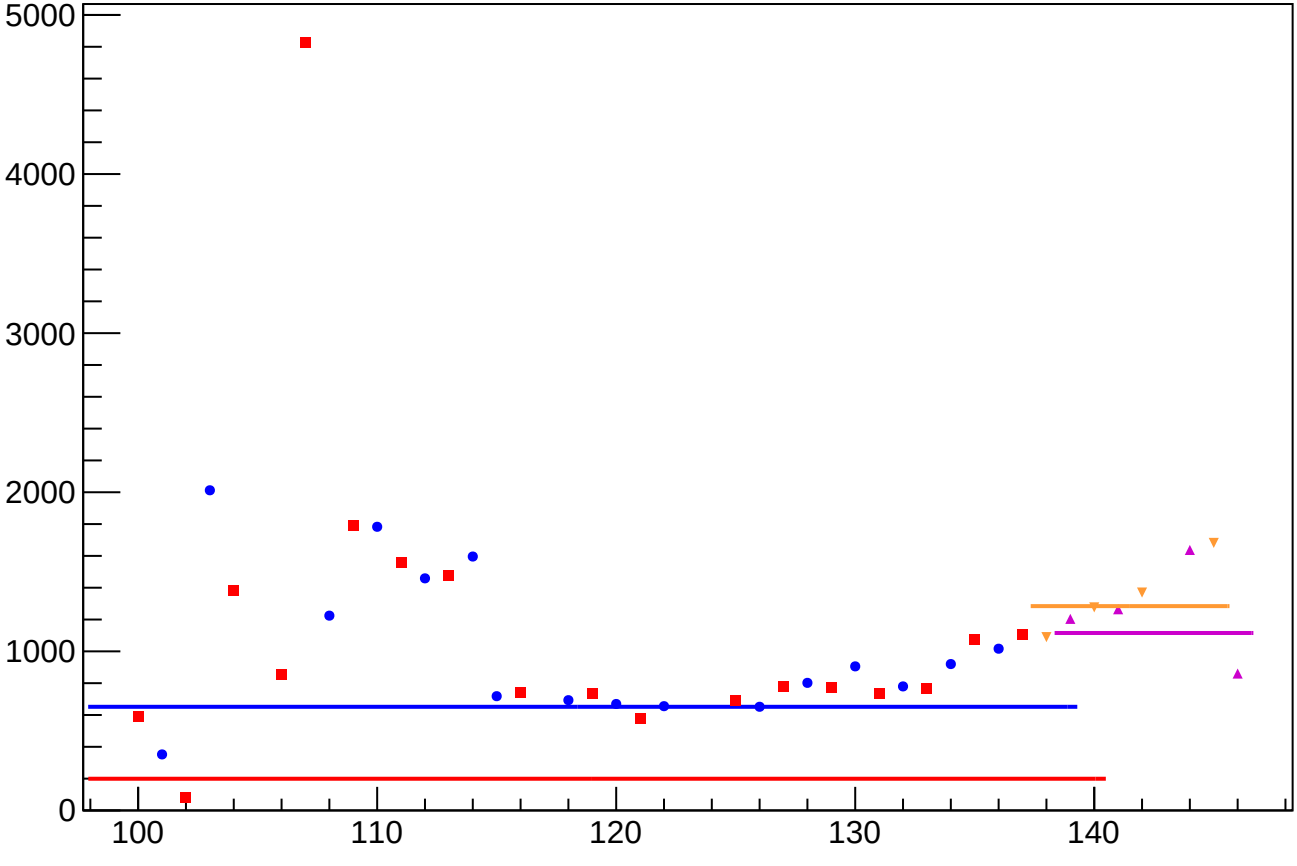
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -327.642+/-248.964 χ^2/NDF:19.2/19

Out: 131.984+/-135.988 χ^2/NDF:26.2/21

All: 26.365+/-119.345 χ^2/NDF: 48.0/41

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1284.285+/-0.547 χ^2/NDF:140205.9/3

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1115.444+/-0.435 χ^2/NDF:368390.9/3

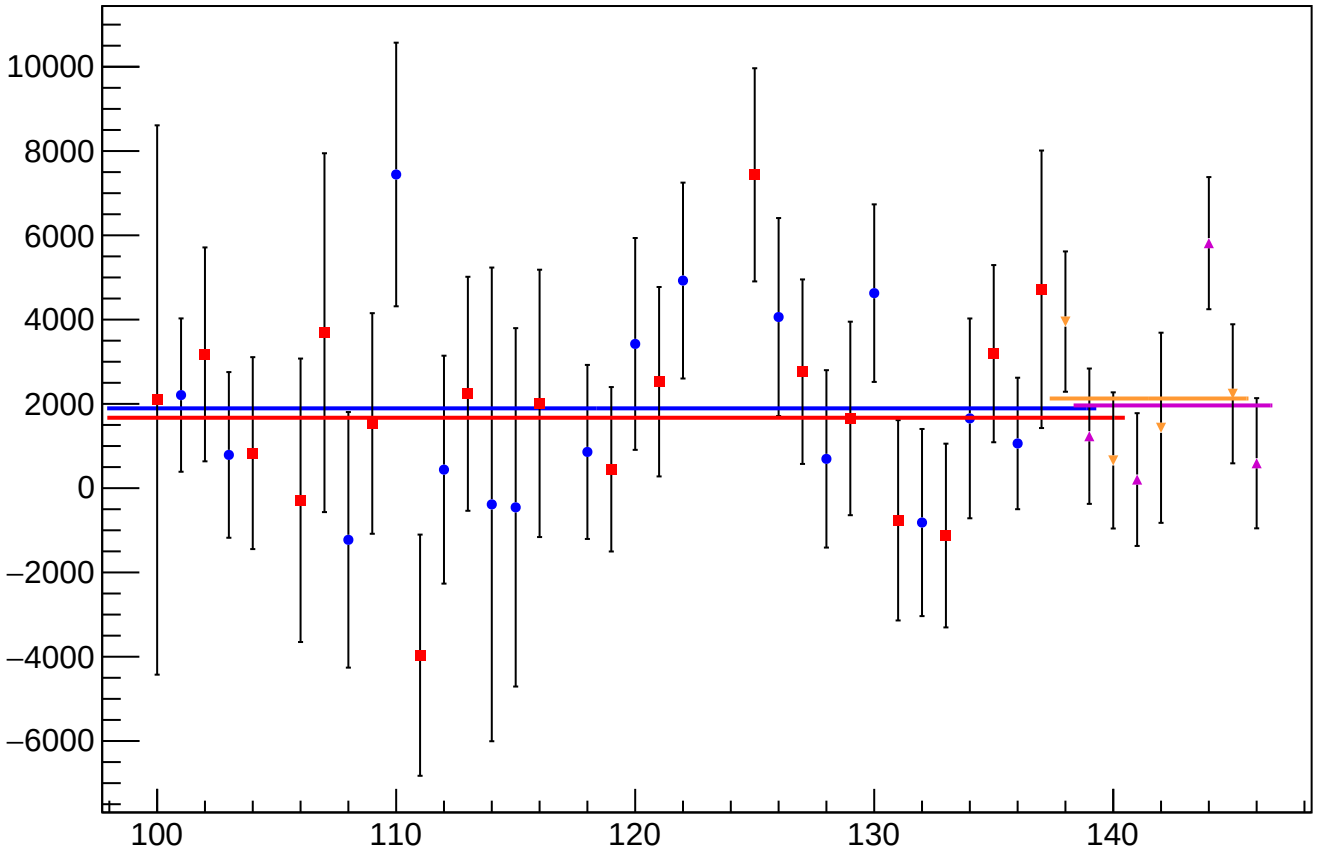
Left: 1180.888+/-0.341 χ^2/NDF: 566887.2/7

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 727.369+/-0.176 χ^2/NDF:4080830.7/19

Out: 232.839+/-0.096 χ^2/NDF:13233950.0/21

All: 346.478+/-0.084 χ^2/NDF: 23392602.8/41



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2127.592+/-874.552 χ^2/NDF:2.1/3

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1963.026+/-786.487 χ^2/NDF:8.3/3

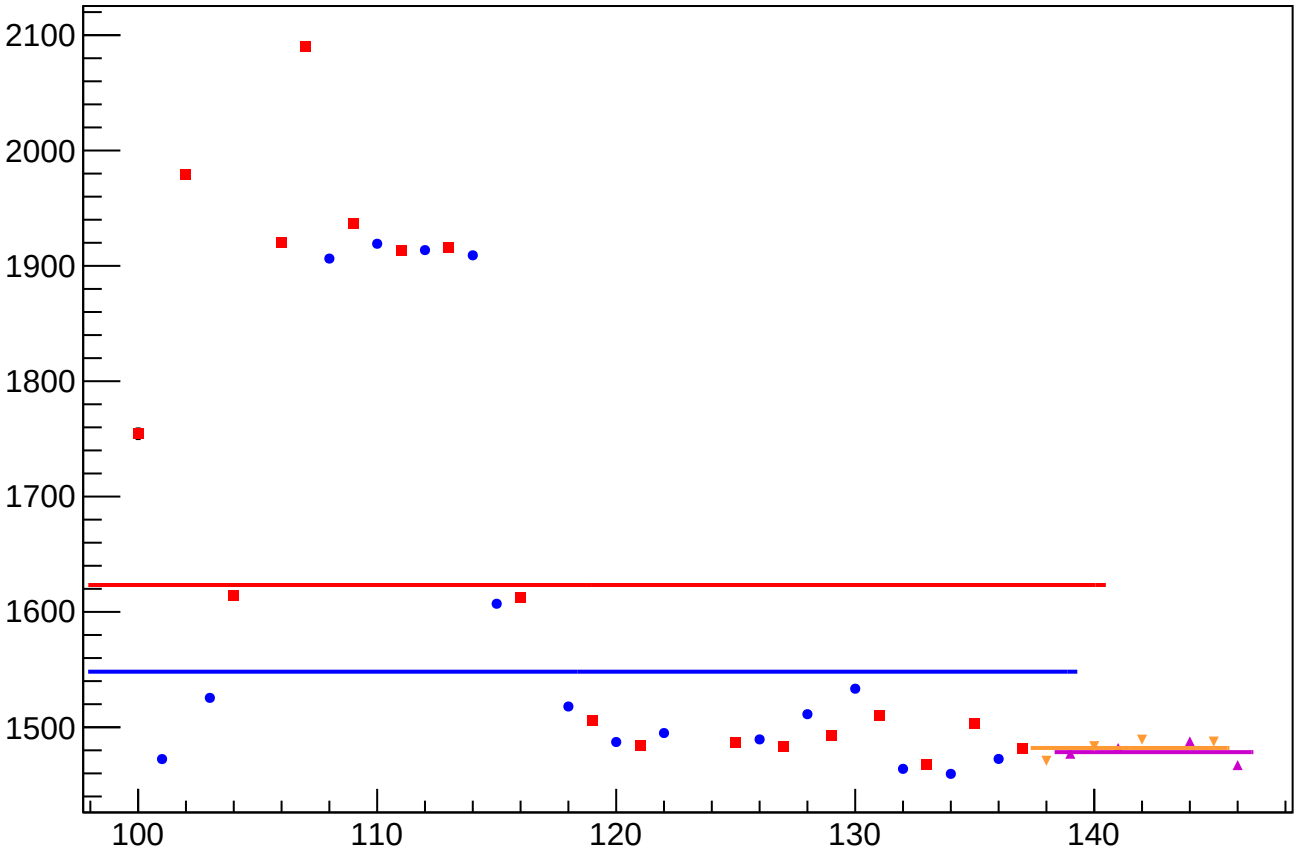
Left: 2036.609+/-584.794 χ^2/NDF: 10.4/7

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1918.298+/-465.557 χ^2/NDF:20.6/19

Out: 1818.686+/-497.458 χ^2/NDF:17.4/21

All: 1871.788+/-339.917 χ^2/NDF: 37.9/41



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.059+/-0.618 χ^2/NDF:133.3/3

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1478.443+/-0.556 χ^2/NDF:187.7/3

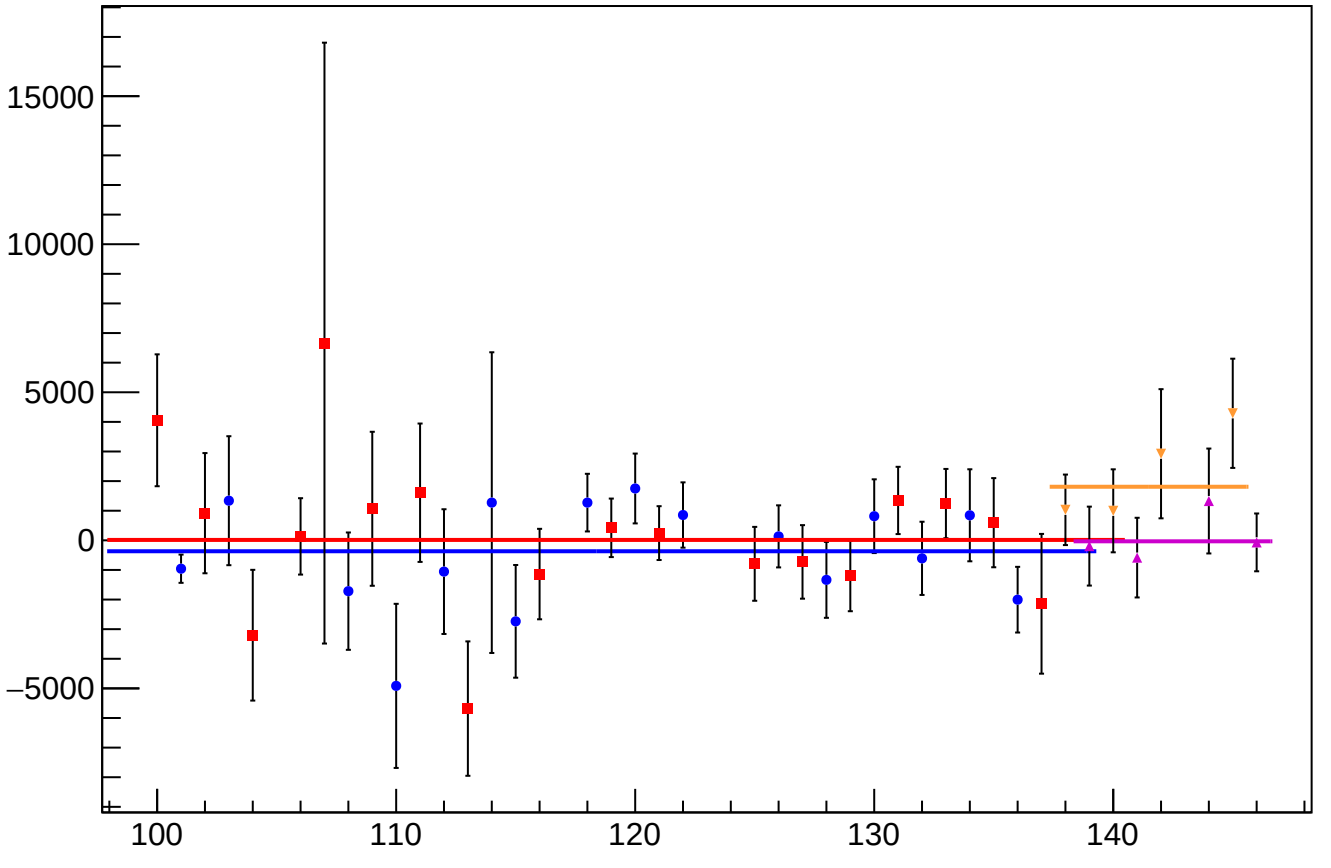
Left: 1480.060+/-0.414 χ^2/NDF: 339.9/7

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1523.740+/-0.329 χ^2/NDF:130305.8/19

Out: 1577.622+/-0.352 χ^2/NDF:246969.5/21

All: 1548.898+/-0.240 χ^2/NDF: 389783.7/41



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 1809.536+/-762.707 χ^2/NDF:2.8/3

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: -32.947+/-634.579 χ^2/NDF:0.8/3

Left: 720.750+/-487.815 χ^2/NDF: 7.1/7

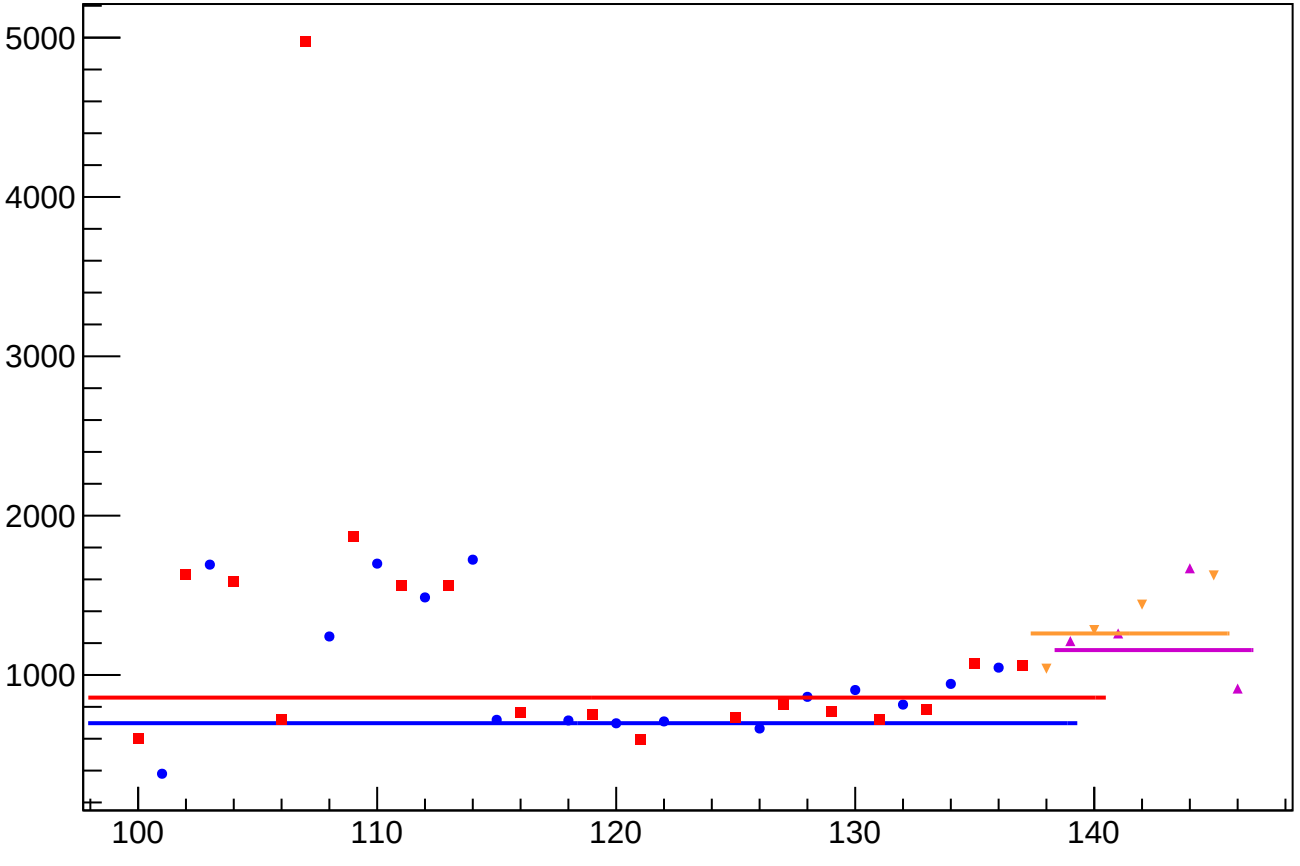
Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -311.832+/-261.179 χ^2/NDF:19.9/19

Out: 313.726+/-311.736 χ^2/NDF:26.5/21

All: -53.829+/-200.200 χ^2/NDF: 48.8/41

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1260.606+/-0.539 χ^2/NDF:161207.4/3

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1156.302+/-0.449 χ^2/NDF:305892.1/3

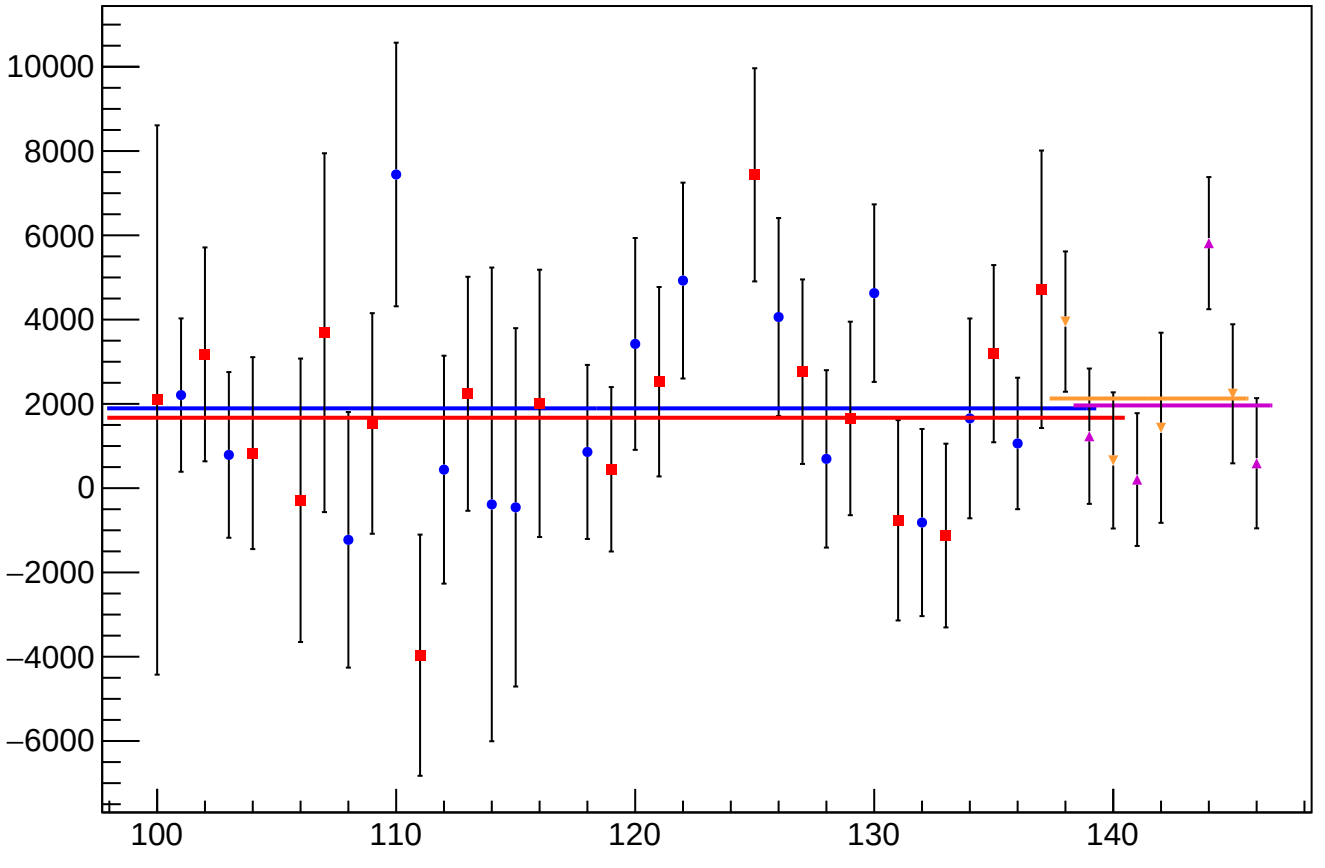
Left: 1198.970+/-0.345 χ^2/NDF: 489202.7/7

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 775.233+/-0.185 χ^2/NDF:3609799.2/19

Out: 925.337+/-0.220 χ^2/NDF:2507338.1/21

All: 837.141+/-0.142 χ^2/NDF: 6389590.7/41



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2127.597+/-874.552 χ^2/NDF:2.1/3

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1963.026+/-786.487 χ^2/NDF:8.3/3

Left: 2036.611+/-584.794 χ^2/NDF: 10.4/7

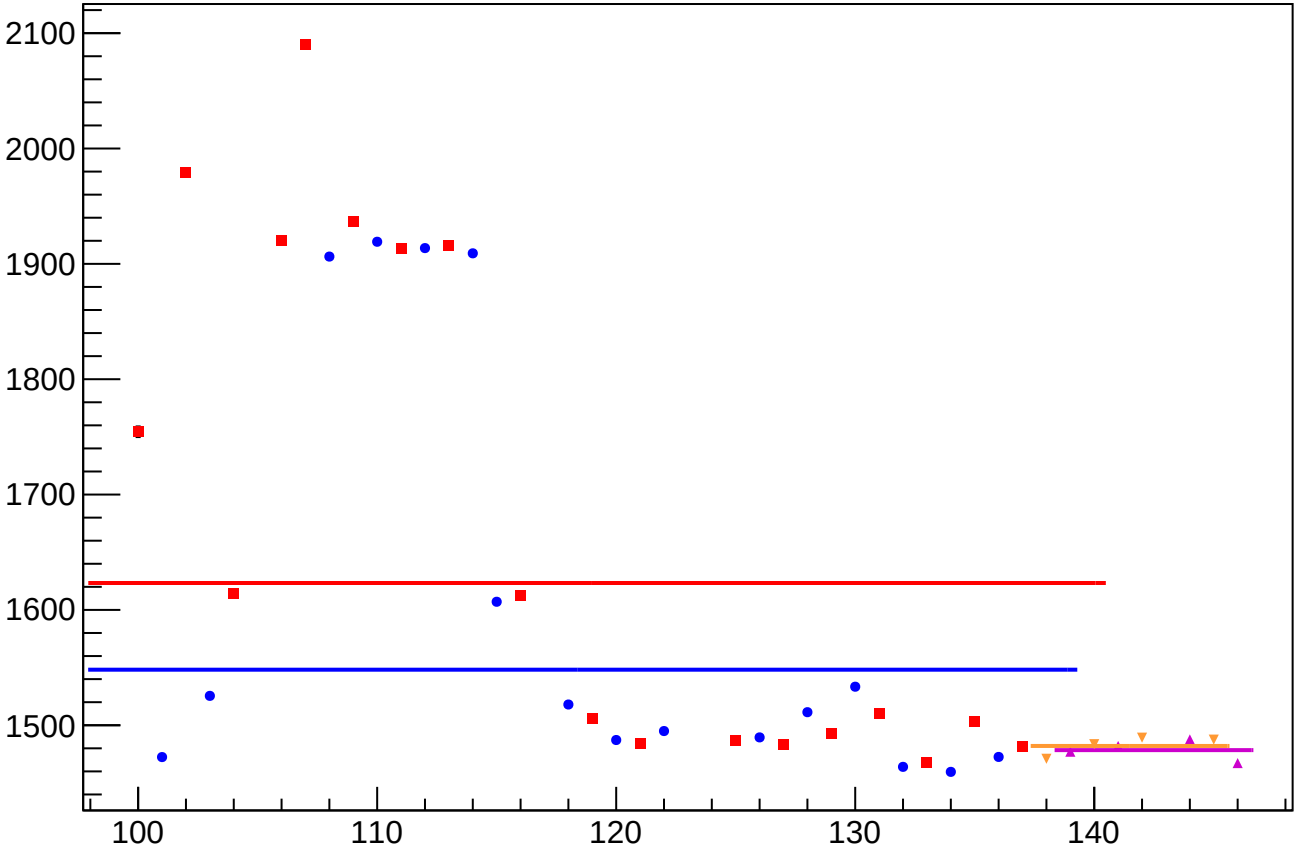
Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1918.296+/-465.557 χ^2/NDF:20.6/19

Out: 1818.685+/-497.458 χ^2/NDF:17.4/21

All: 1871.787+/-339.917 χ^2/NDF: 37.9/41

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.059+/-0.618 χ^2/NDF:133.3/3

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1478.443+/-0.556 χ^2/NDF:187.7/3

Left: 1480.060+/-0.414 χ^2/NDF: 339.9/7

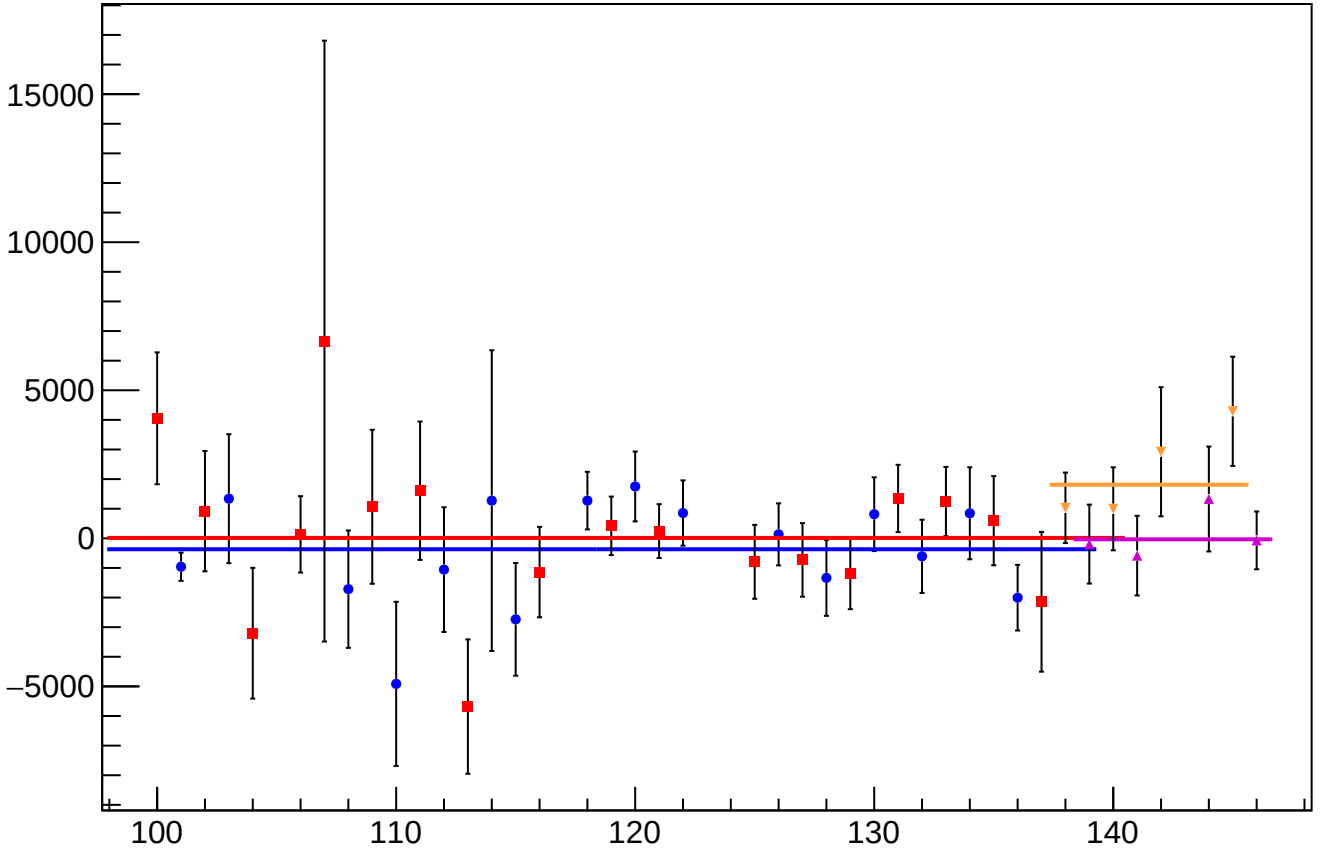
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1523.740+/-0.329 χ^2/NDF:130305.8/19

Out: 1577.622+/-0.352 χ^2/NDF:246969.2/21

All: 1548.898+/-0.240 χ^2/NDF: 389783.4/41

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 1809.540+/-762.708 χ^2/NDF:2.8/3

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: -32.948+/-634.579 χ^2/NDF:0.8/3

Left: 720.752+/-487.815 χ^2/NDF: 7.1/7

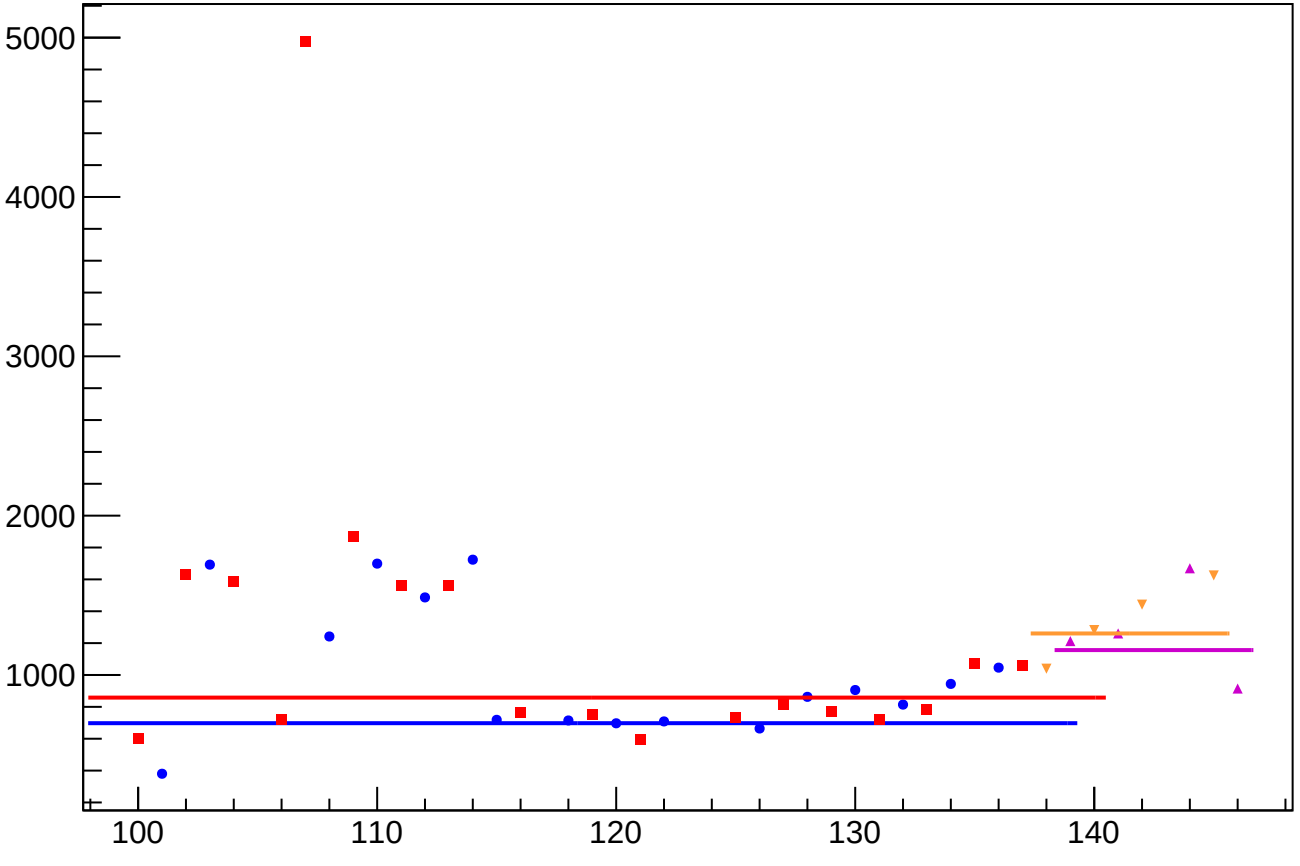
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -311.831+/-261.179 χ^2/NDF:19.9/19

Out: 313.726+/-311.735 χ^2/NDF:26.5/21

All: -53.828+/-200.200 χ^2/NDF: 48.8/41

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: 1260.608+/-0.539 χ^2/NDF:161208.1/3

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1156.304+/-0.449 χ^2/NDF:305891.8/3

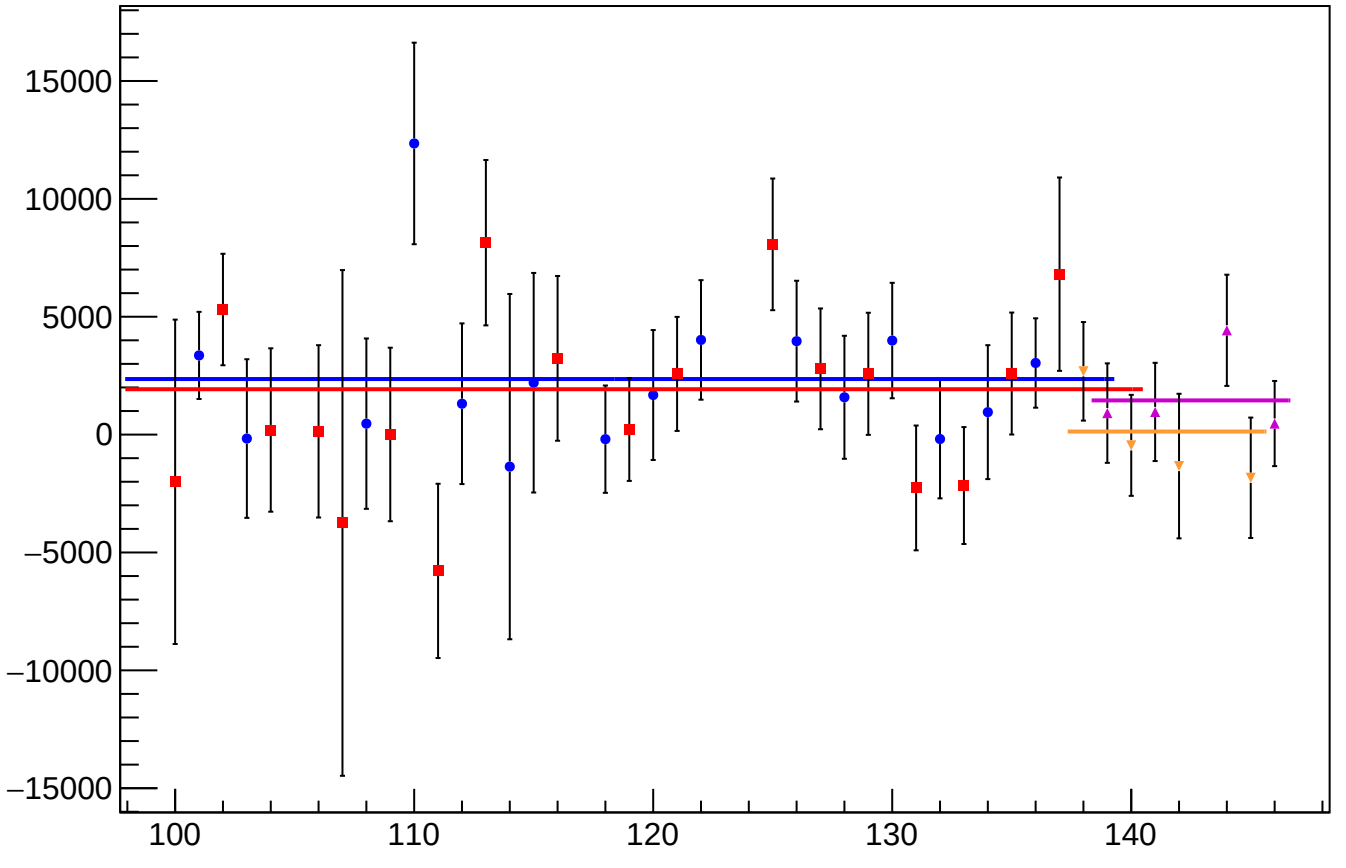
Left: 1198.971+/-0.345 χ^2/NDF: 489203.0/7

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 775.233+/-0.185 χ^2/NDF:3609796.0/19

Out: 925.335+/-0.220 χ^2/NDF:2507354.8/21

All: 837.141+/-0.142 χ^2/NDF: 6389598.9/41



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 130.181+/-1189.689 χ^2/NDF:2.4/3

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1450.881+/-1030.751 χ^2/NDF:2.0/3

Left: 884.584+/-779.029 χ^2/NDF: 5.1/7

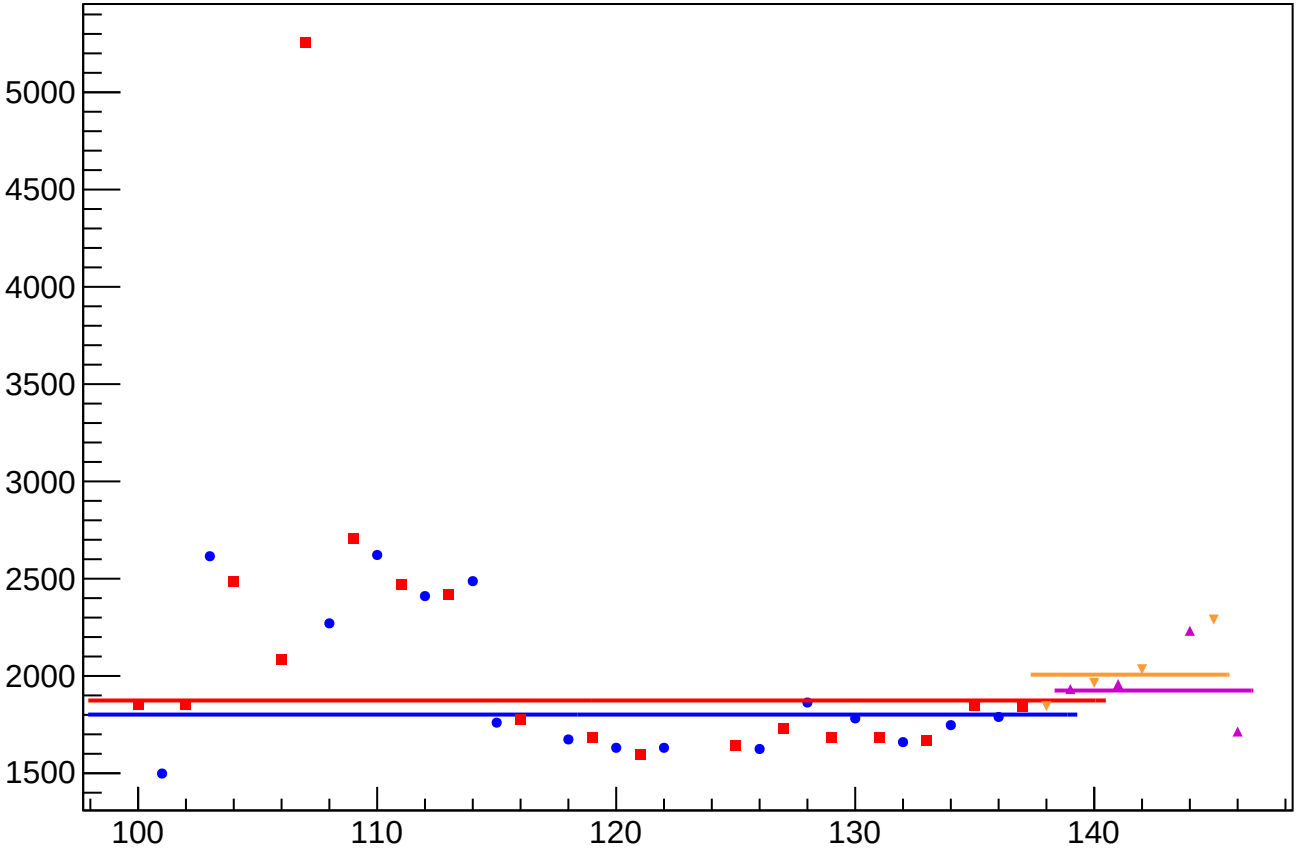
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 2082.819+/-566.994 χ^2/NDF:13.6/19

Out: 1456.629+/-607.656 χ^2/NDF:27.5/21

All: 1791.374+/-414.556 χ^2/NDF: 41.6/41

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 2006.767+/-0.841 χ^2/NDF:37514.2/3

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1925.141+/-0.729 χ^2/NDF:61649.2/3

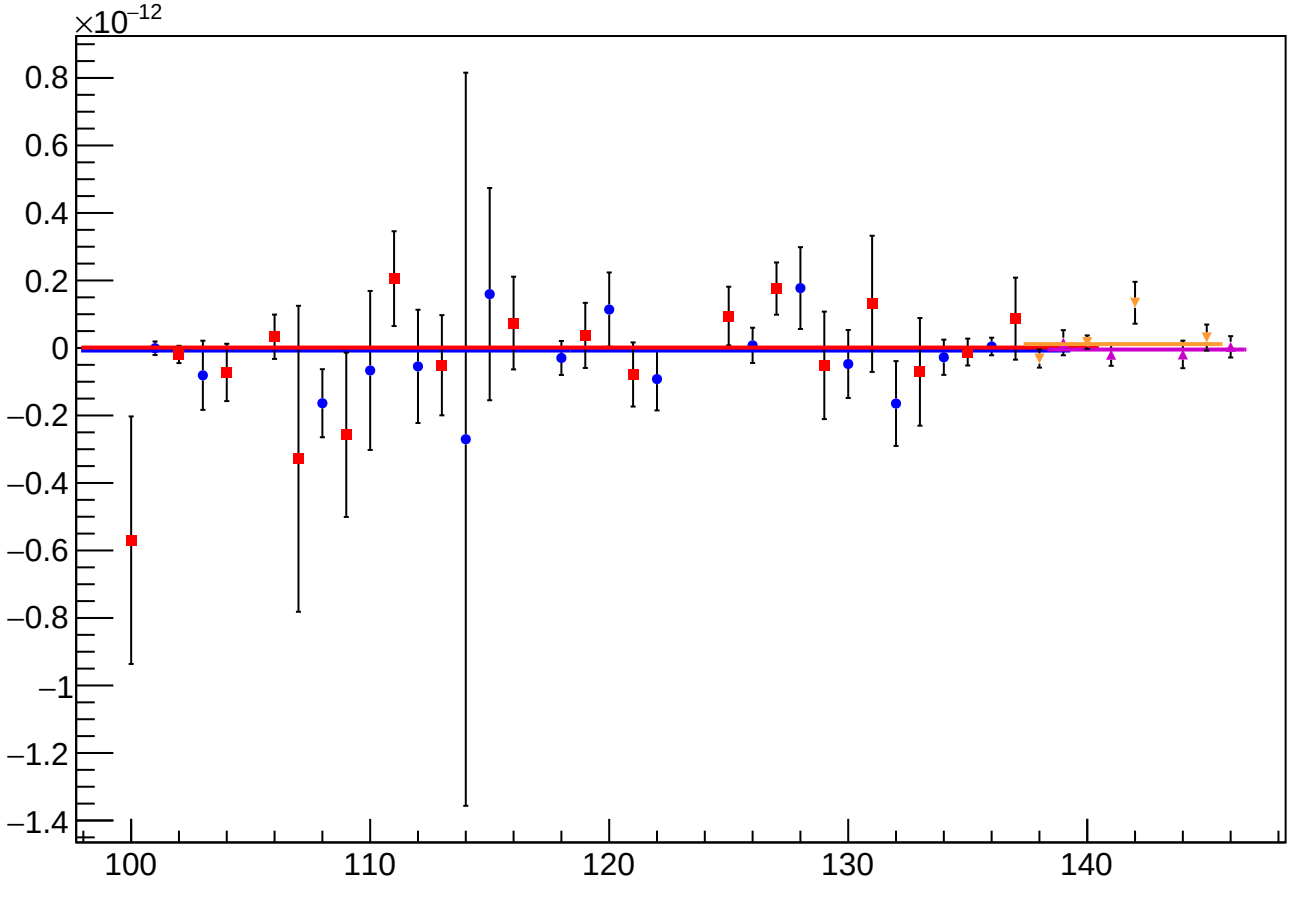
Left: 1960.141+/-0.551 χ^2/NDF: 104541.4/7

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1838.932+/-0.401 χ^2/NDF:482411.7/19

Out: 1908.619+/-0.430 χ^2/NDF:625839.9/21

All: 1871.366+/-0.293 χ^2/NDF: 1122313.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

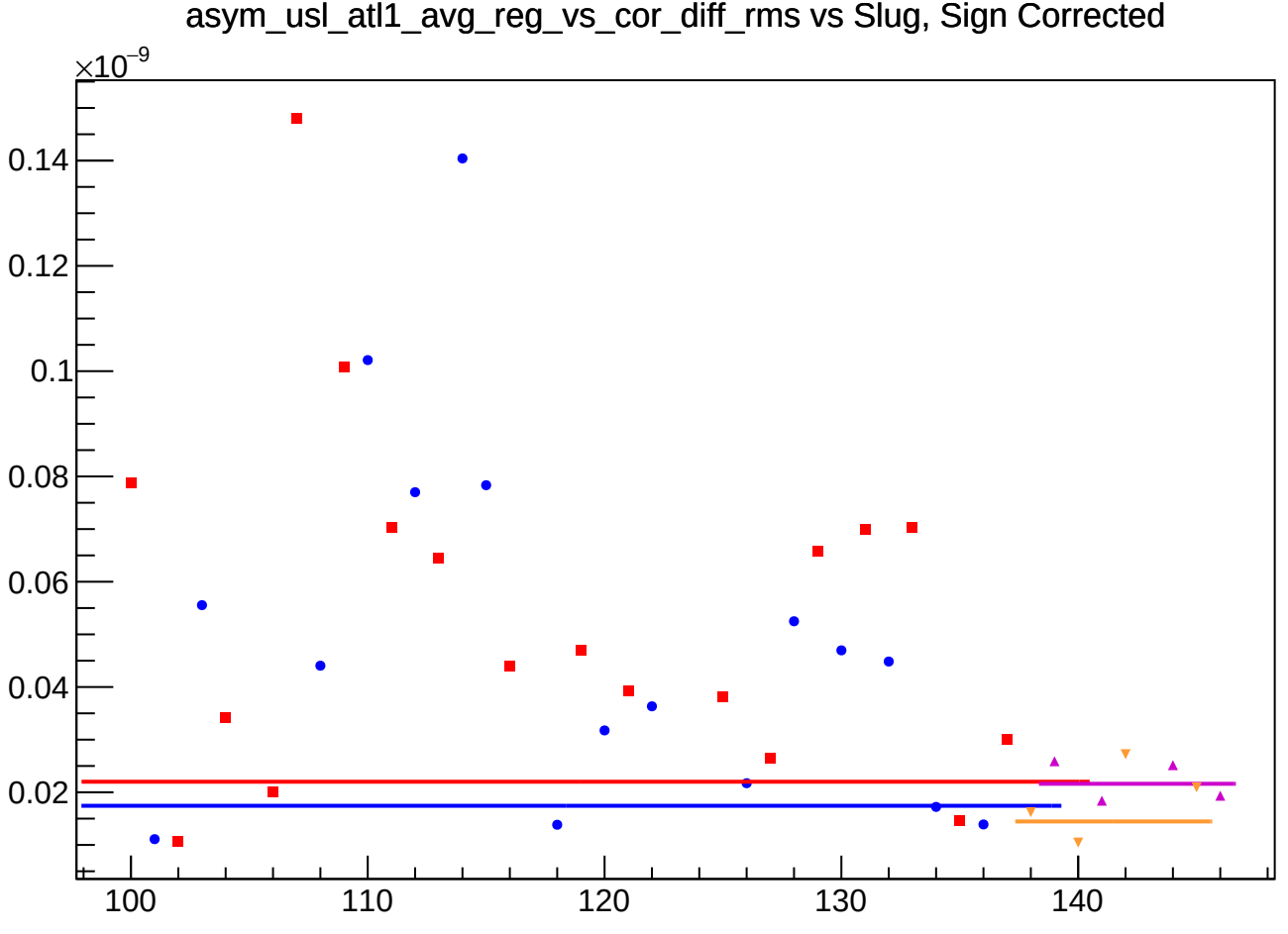
Left: 0.000+/-0.000 χ^2/NDF: 8.0/7

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:11.0/19

Out: 0.000+/-0.000 χ^2/NDF:23.7/21

All: 0.000+/-0.000 χ^2/NDF: 35.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:231192.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:70666.5/3

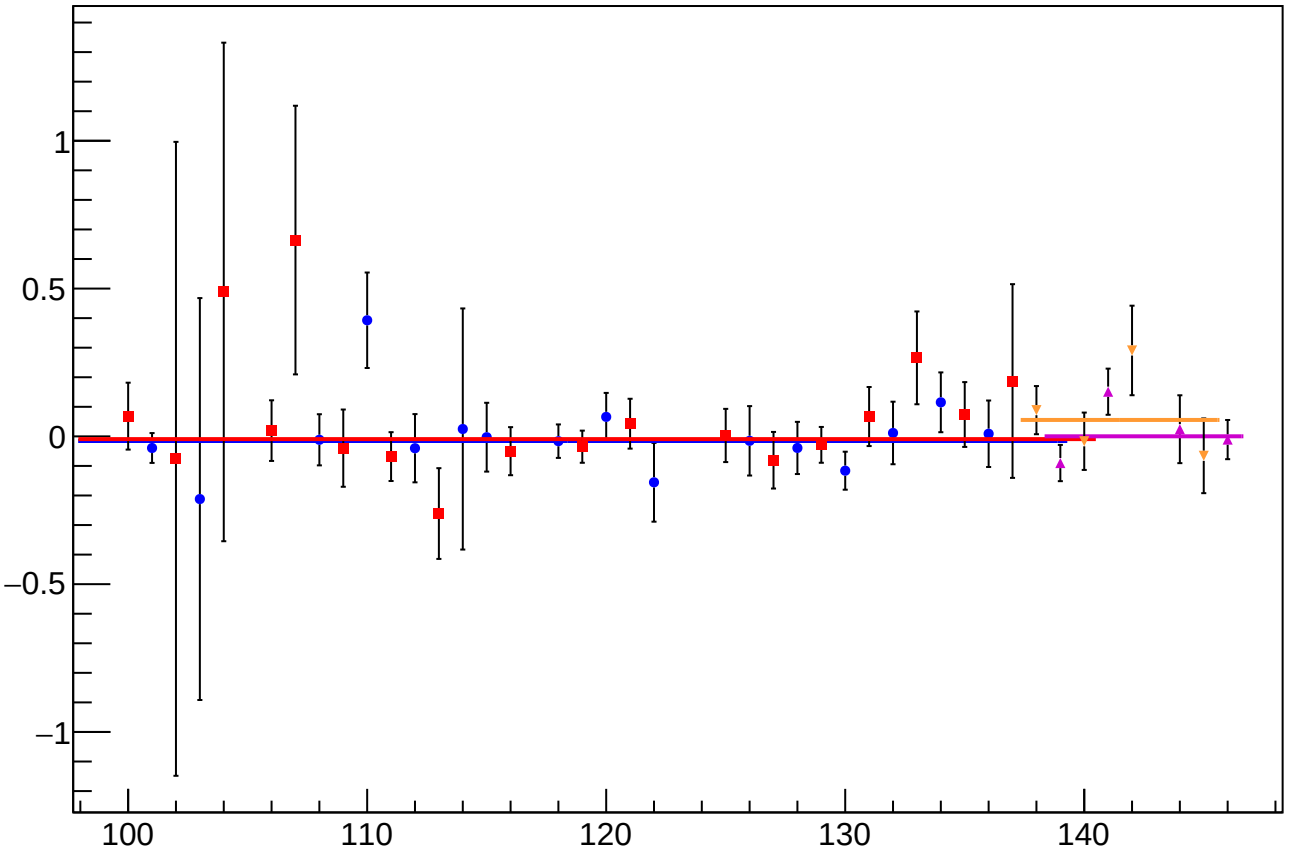
Left: 0.000+/-0.000 χ^2/NDF: 500592.6/7

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:1983327.1/19

Out: 0.000+/-0.000 χ^2/NDF:2557377.6/21

All: 0.000+/-0.000 χ^2/NDF: 4556684.2/41



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.056+/-0.052 χ^2/NDF:4.0/3

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.000+/-0.037 χ^2/NDF:6.0/3

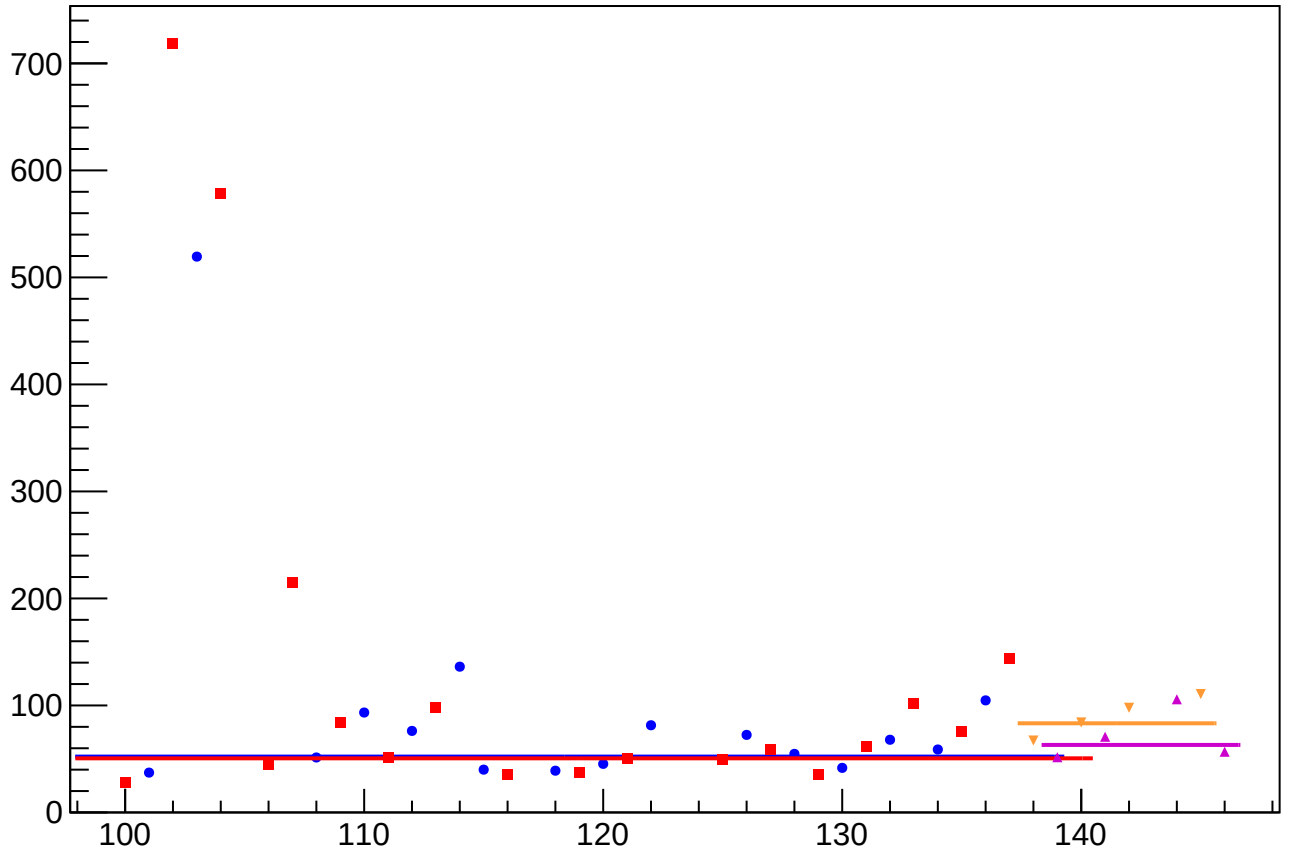
Left: 0.019+/-0.030 χ^2/NDF: 10.8/7

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.011+/-0.019 χ^2/NDF:19.3/19

Out: 0.002+/-0.022 χ^2/NDF:17.8/21

All: -0.006+/-0.014 χ^2/NDF: 37.3/41



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 83.318+/-0.037 χ^2/NDF:190149.5/3

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 63.105+/-0.026 χ^2/NDF:384001.4/3

Left: 69.797+/-0.021 χ^2/NDF: 772592.5/7

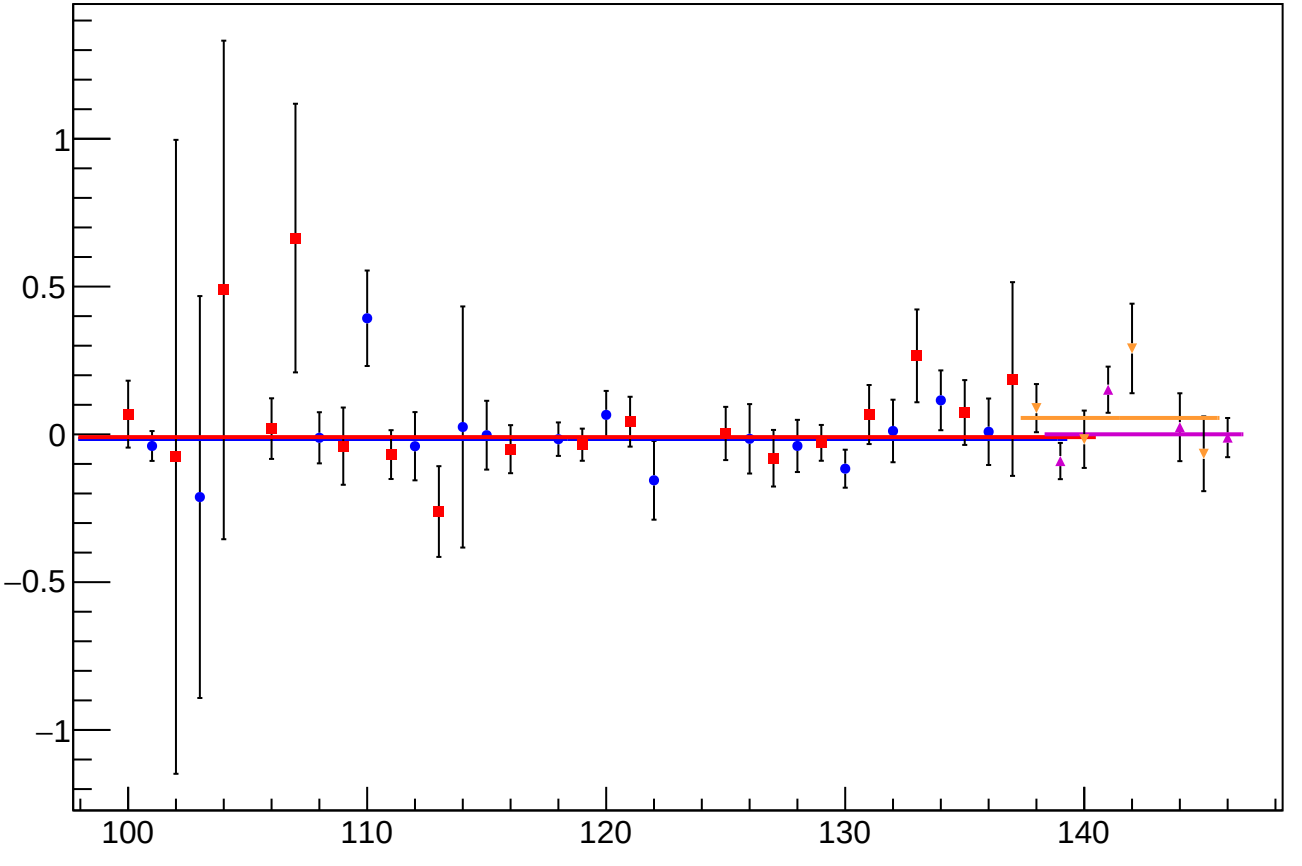
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 55.173+/-0.014 χ^2/NDF:2777919.2/19

Out: 56.087+/-0.015 χ^2/NDF:3888814.0/21

All: 55.581+/-0.010 χ^2/NDF: 6668728.6/41

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.056+/-0.052 χ^2/NDF:4.0/3

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.000+/-0.037 χ^2/NDF:6.0/3

Left: 0.019+/-0.030 χ^2/NDF: 10.8/7

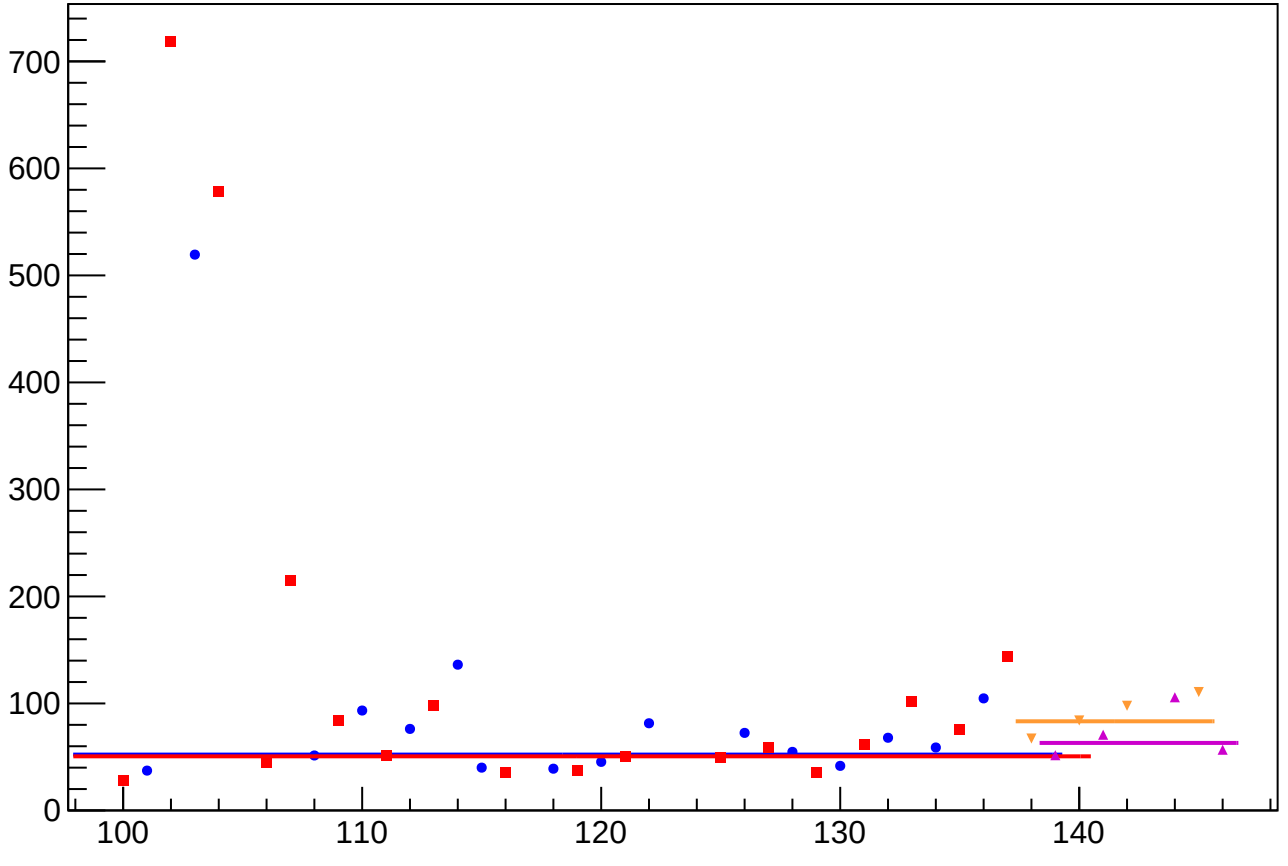
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.011+/-0.019 χ^2/NDF:19.3/19

Out: 0.002+/-0.022 χ^2/NDF:17.8/21

All: -0.006+/-0.014 χ^2/NDF: 37.3/41

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: 83.318+/-0.037 χ^2/NDF:190149.5/3

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 63.105+/-0.026 χ^2/NDF:384001.4/3

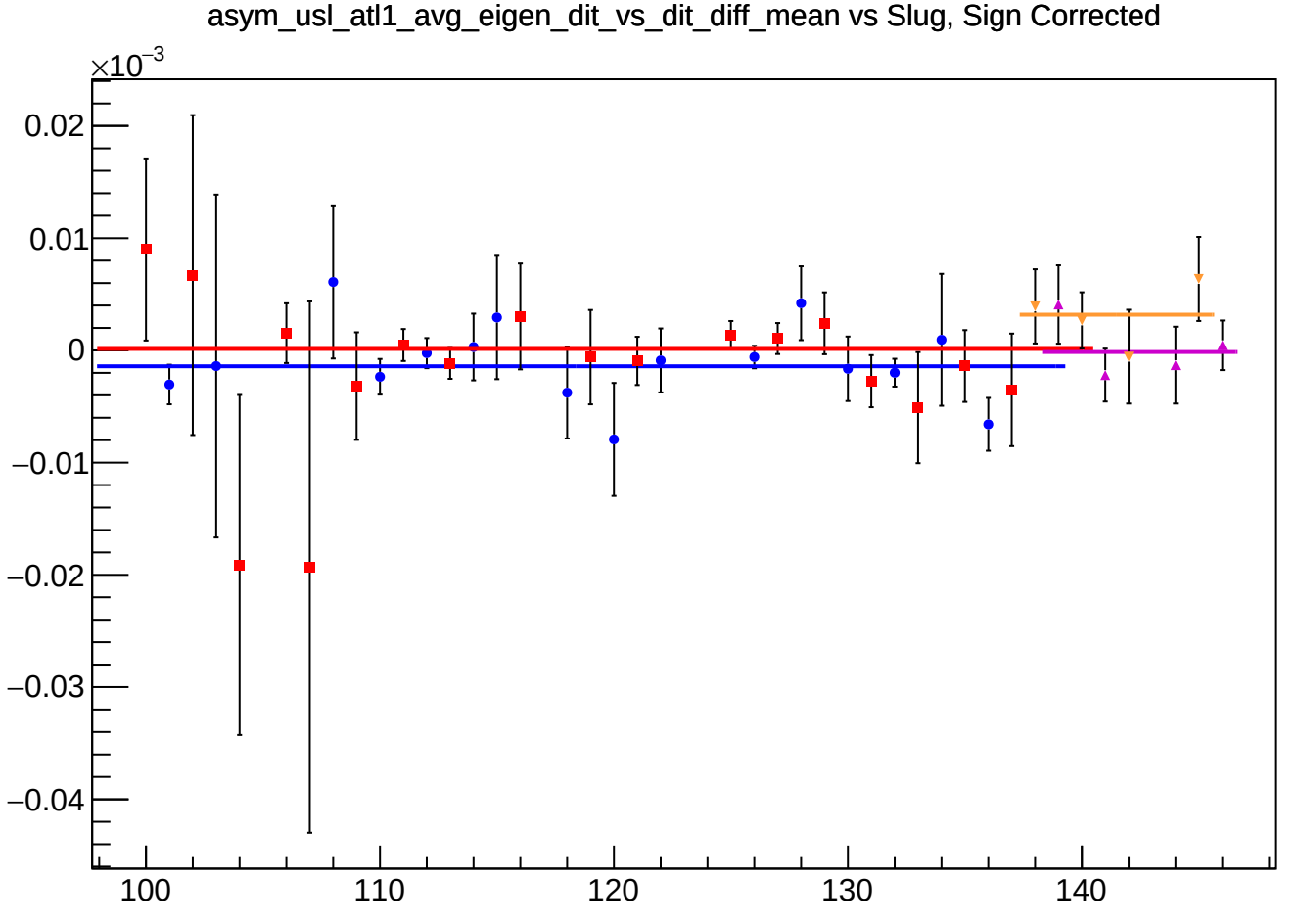
Left: 69.797+/-0.021 χ^2/NDF: 772592.5/7

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 55.173+/-0.014 χ^2/NDF:2777919.2/19

Out: 56.087+/-0.015 χ^2/NDF:3888814.0/21

All: 55.581+/-0.010 χ^2/NDF: 6668728.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

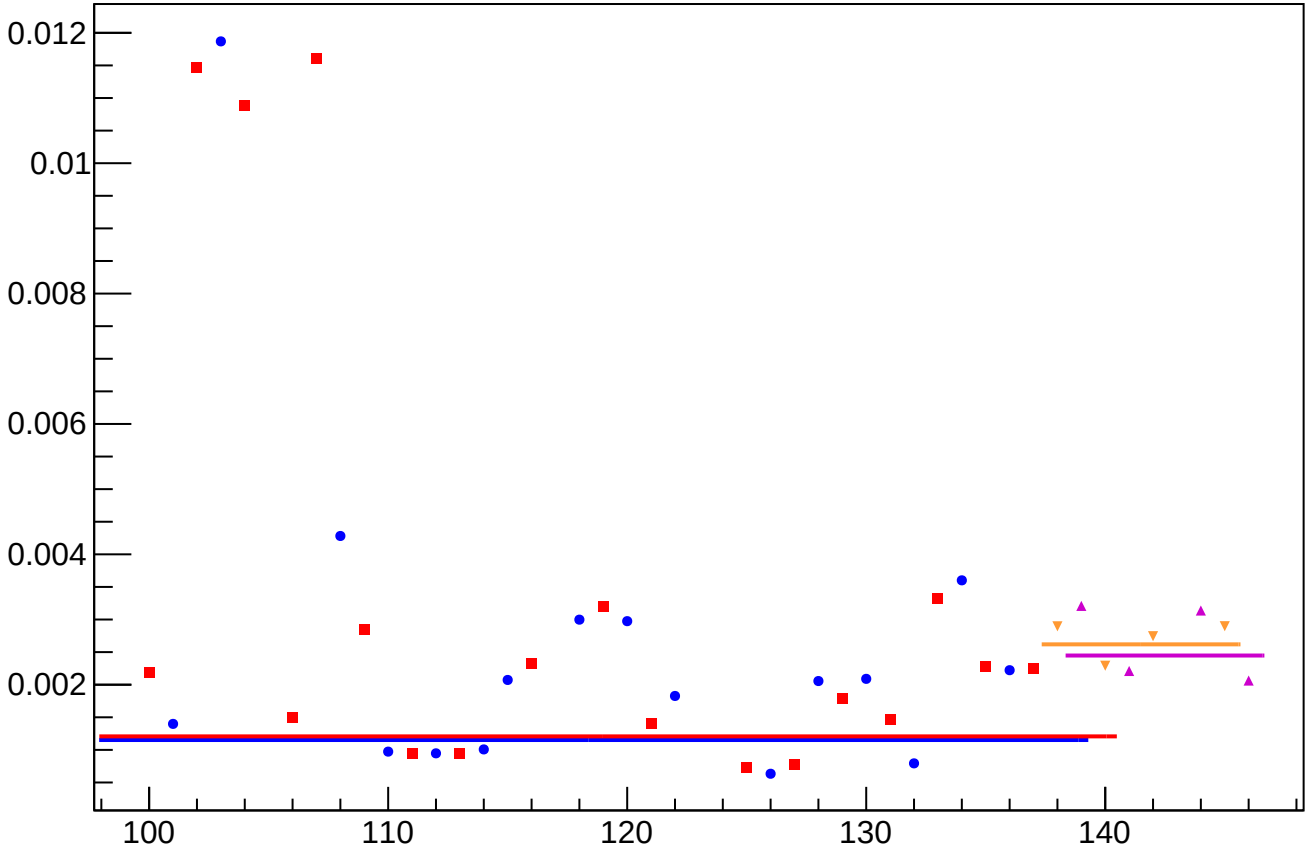
Left: 0.000+/-0.000 χ^2/NDF: 6.5/7

Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:18.2/19

Out: 0.000+/-0.000 χ^2/NDF:16.4/21

All: -0.000+/-0.000 χ^2/NDF: 40.2/41



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:61008.0/3

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:257227.6/3

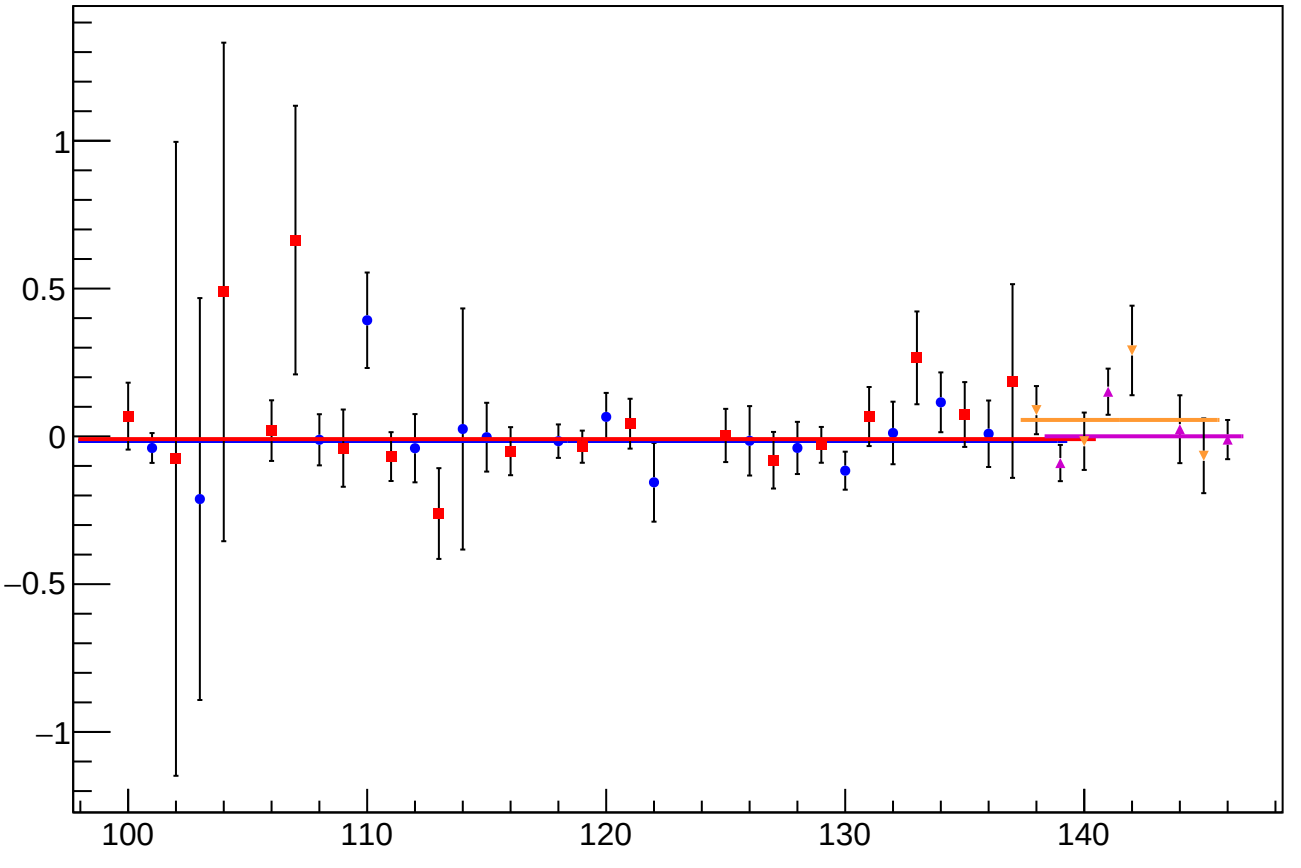
Left: 0.003+/-0.000 χ^2/NDF: 331456.8/7

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:6062561.2/19

Out: 0.001+/-0.000 χ^2/NDF:5935555.4/21

All: 0.001+/-0.000 χ^2/NDF: 12003654.2/41



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.056+/-0.052 χ^2/NDF:4.0/3

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.000+/-0.037 χ^2/NDF:6.0/3

Left: 0.019+/-0.030 χ^2/NDF: 10.8/7

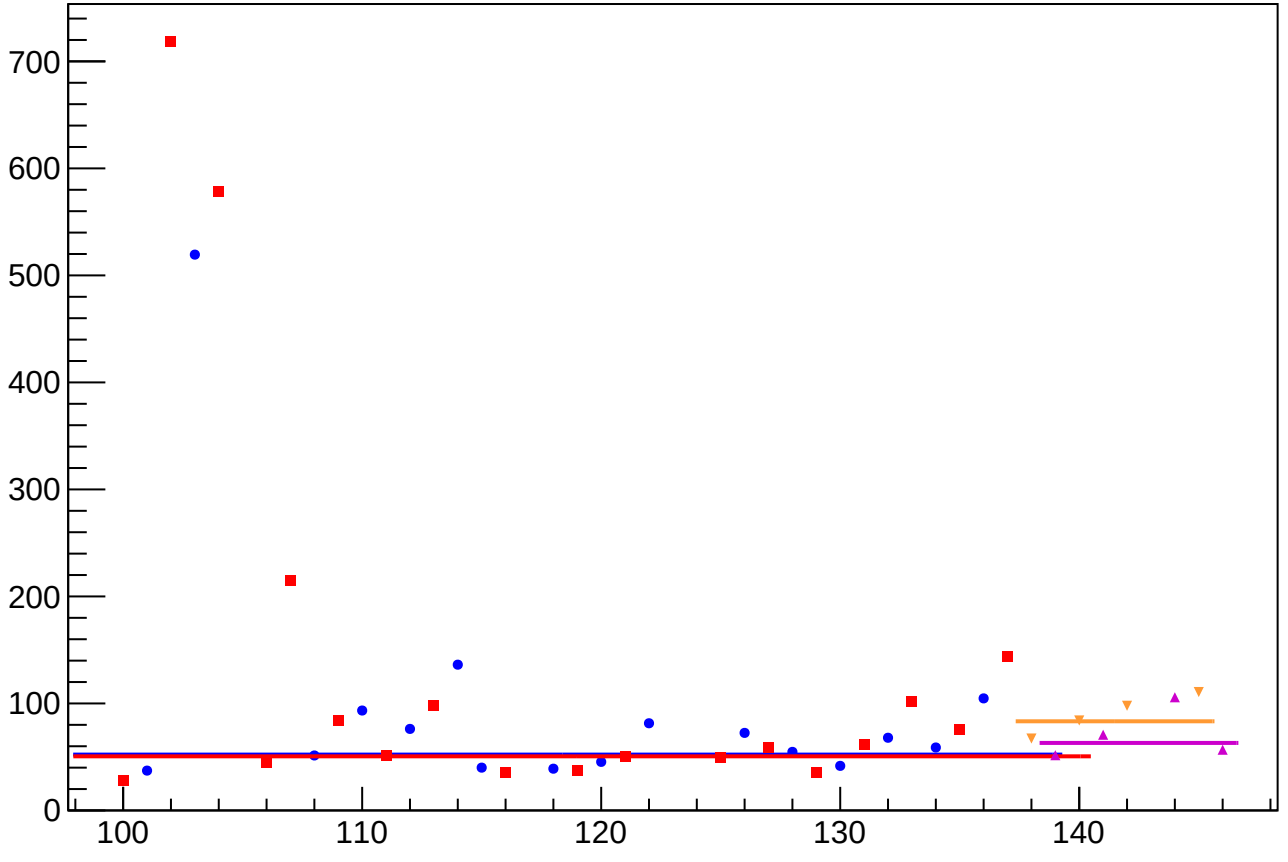
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.011+/-0.019 χ^2/NDF:19.3/19

Out: 0.002+/-0.022 χ^2/NDF:17.8/21

All: -0.006+/-0.014 χ^2/NDF: 37.3/41

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: 83.317+/-0.037 χ^2/NDF:190148.4/3

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 63.105+/-0.026 χ^2/NDF:383994.3/3

Left: 69.797+/-0.021 χ^2/NDF: 772573.5/7

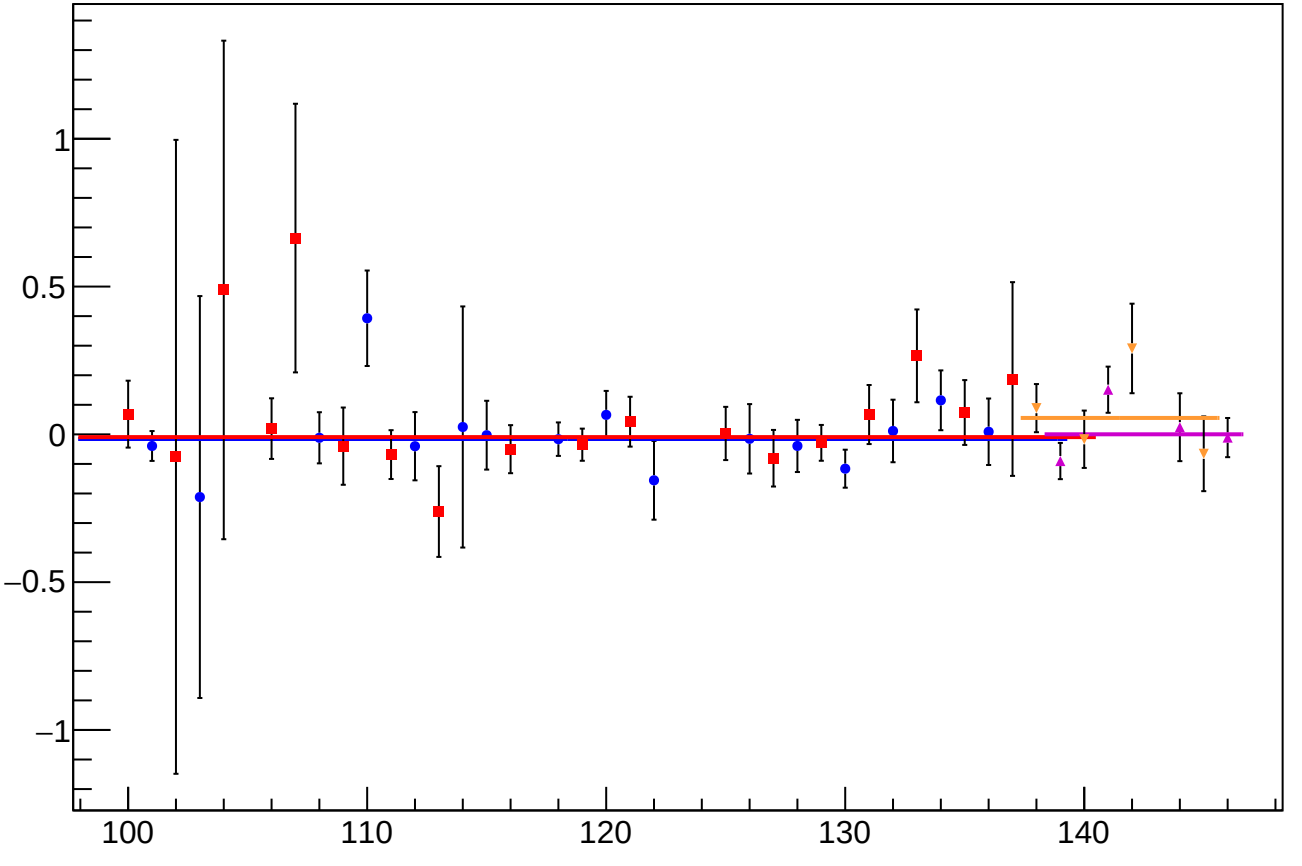
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 55.173+/-0.014 χ^2/NDF:2777912.7/19

Out: 56.086+/-0.015 χ^2/NDF:3888796.8/21

All: 55.580+/-0.010 χ^2/NDF: 6668703.9/41

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: 0.056+/-0.052 χ^2/NDF:4.0/3

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.000+/-0.037 χ^2/NDF:6.0/3

Left: 0.019+/-0.030 χ^2/NDF: 10.8/7

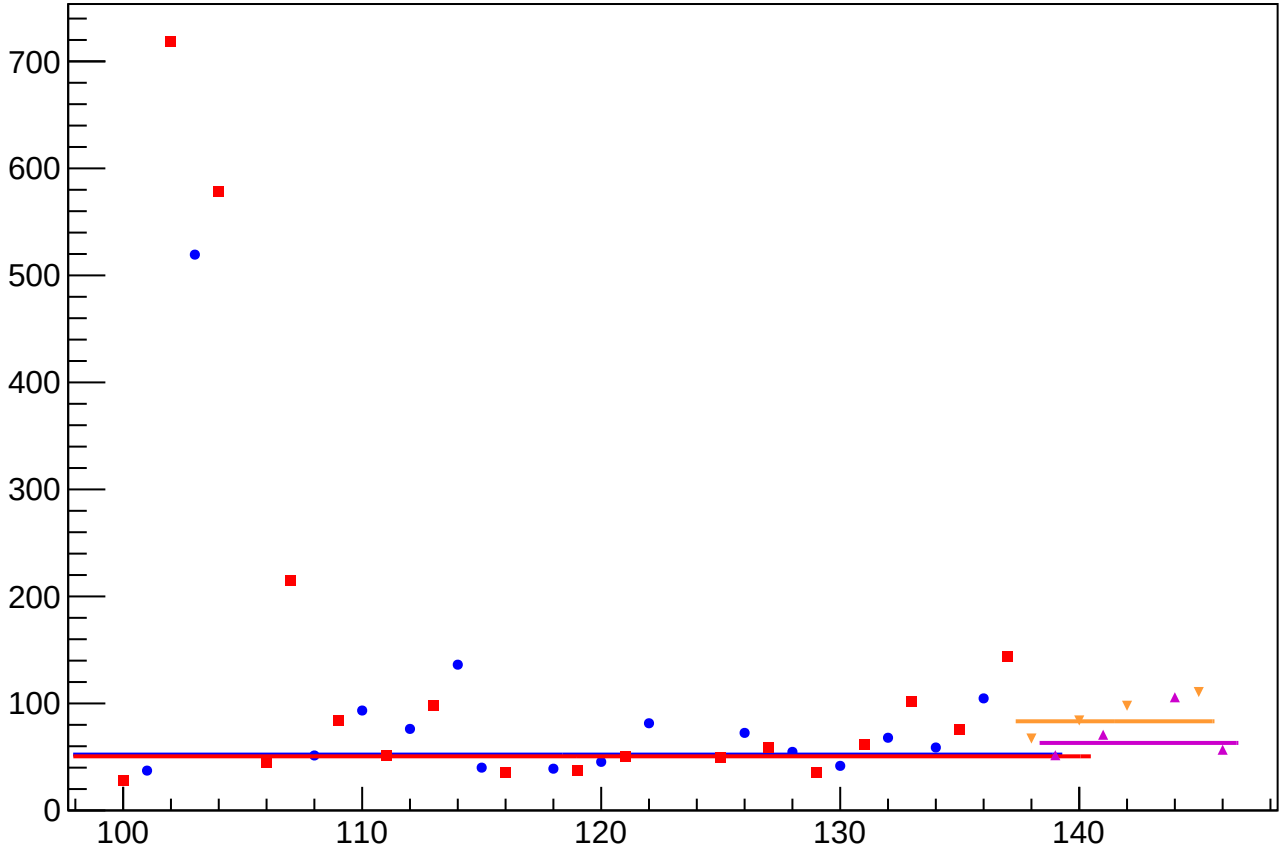
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.011+/-0.019 χ^2/NDF:19.3/19

Out: 0.002+/-0.022 χ^2/NDF:17.8/21

All: -0.006+/-0.014 χ^2/NDF: 37.3/41

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: 83.317+/-0.037 χ^2/NDF:190148.4/3

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 63.105+/-0.026 χ^2/NDF:383994.3/3

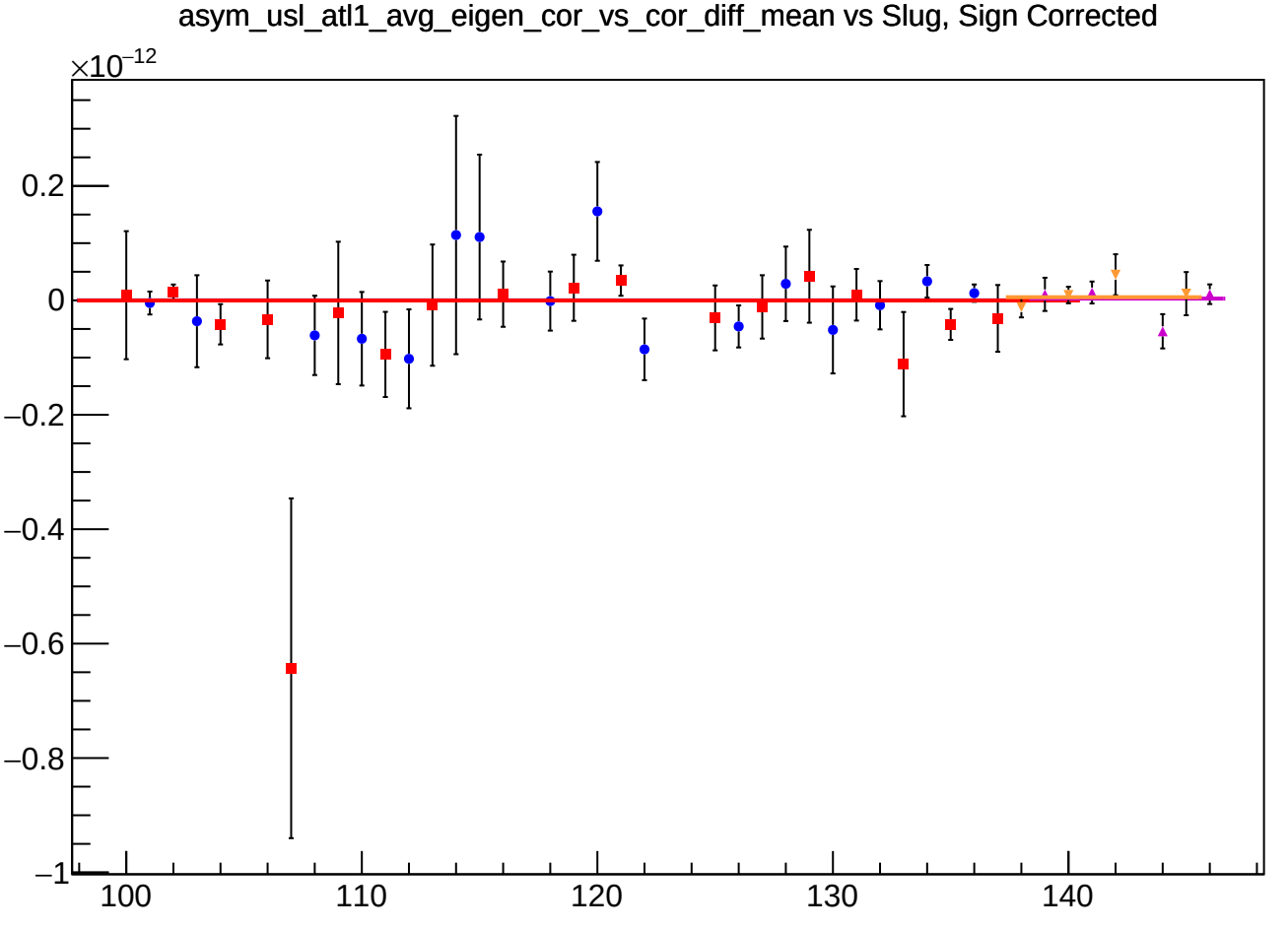
Left: 69.797+/-0.021 χ^2/NDF: 772573.5/7

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 55.173+/-0.014 χ^2/NDF:2777912.7/19

Out: 56.086+/-0.015 χ^2/NDF:3888796.8/21

All: 55.580+/-0.010 χ^2/NDF: 6668703.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/3

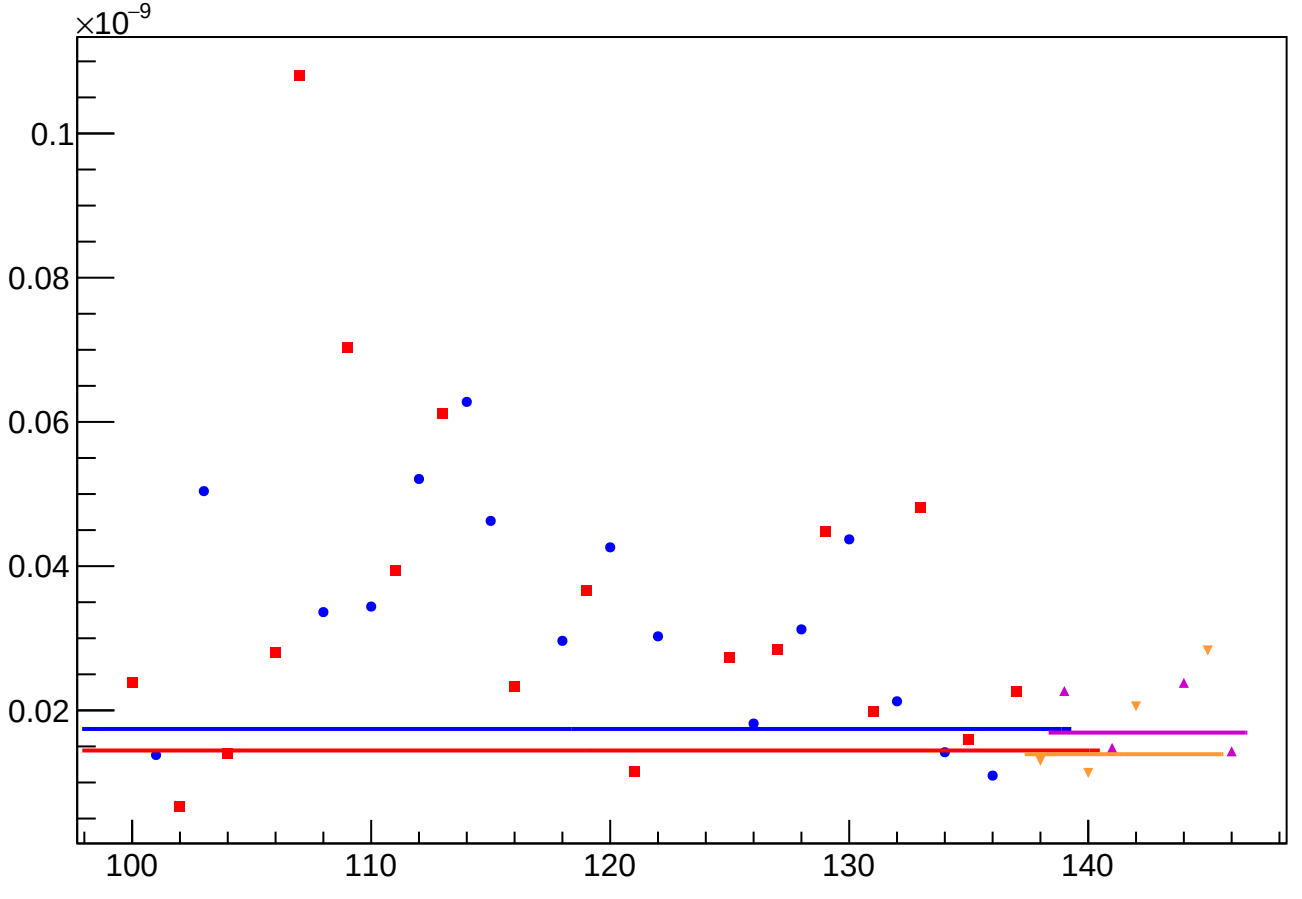
Left: 0.000+/-0.000 χ^2/NDF: 6.5/7

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: 0.000+/-0.000 χ^2/NDF:18.3/19

Out: 0.000+/-0.000 χ^2/NDF:18.4/21

All: 0.000+/-0.000 χ^2/NDF: 36.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:429595.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:255014.9/3

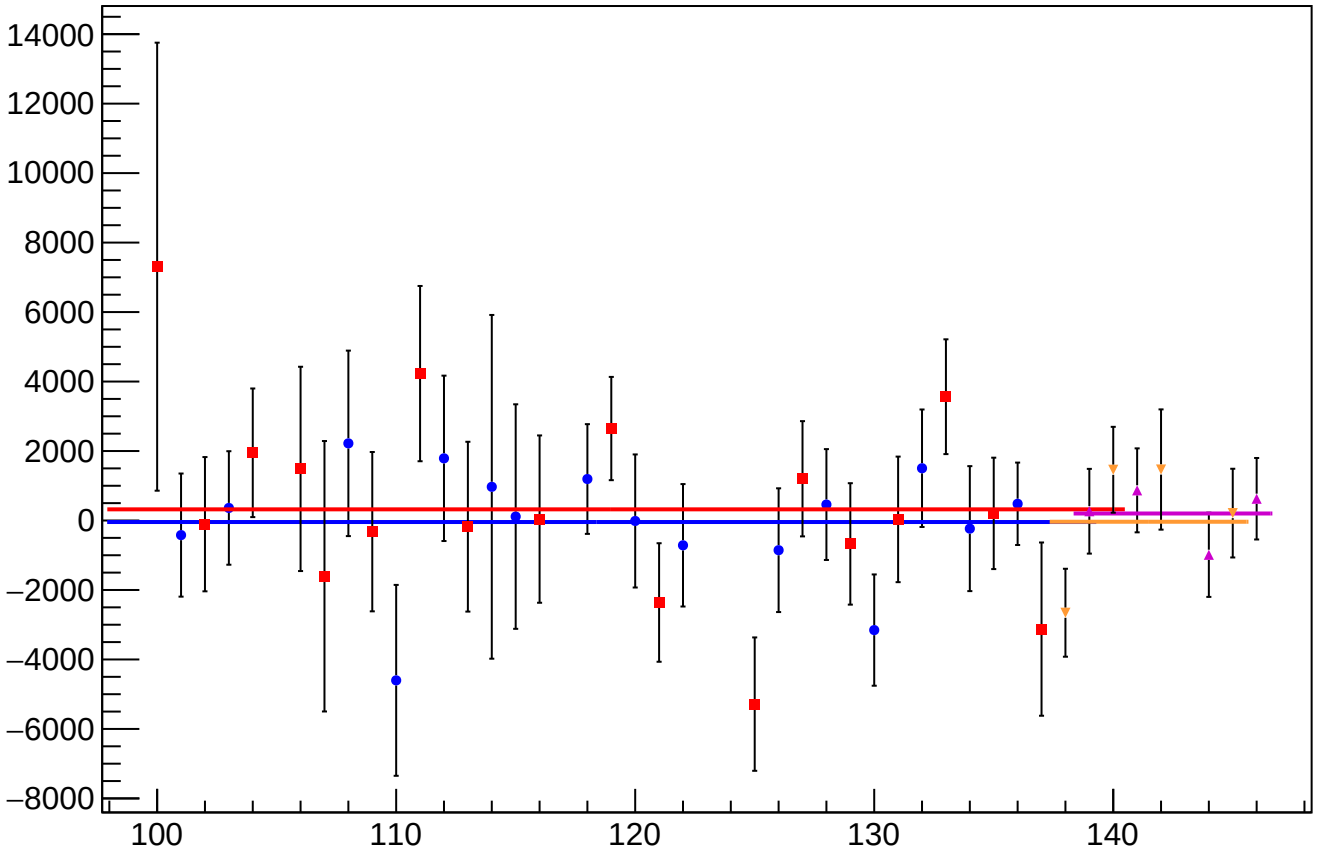
Left: 0.000+/-0.000 χ^2/NDF: 764251.8/7

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:2482014.7/19

Out: 0.000+/-0.000 χ^2/NDF:3693568.3/21

All: 0.000+/-0.000 χ^2/NDF: 6361310.2/41



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -35.904+/-670.227 χ^2/NDF:6.5/3

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 201.909+/-601.537 χ^2/NDF:1.4/3

Left: 95.810+/-447.672 χ^2/NDF: 8.0/7

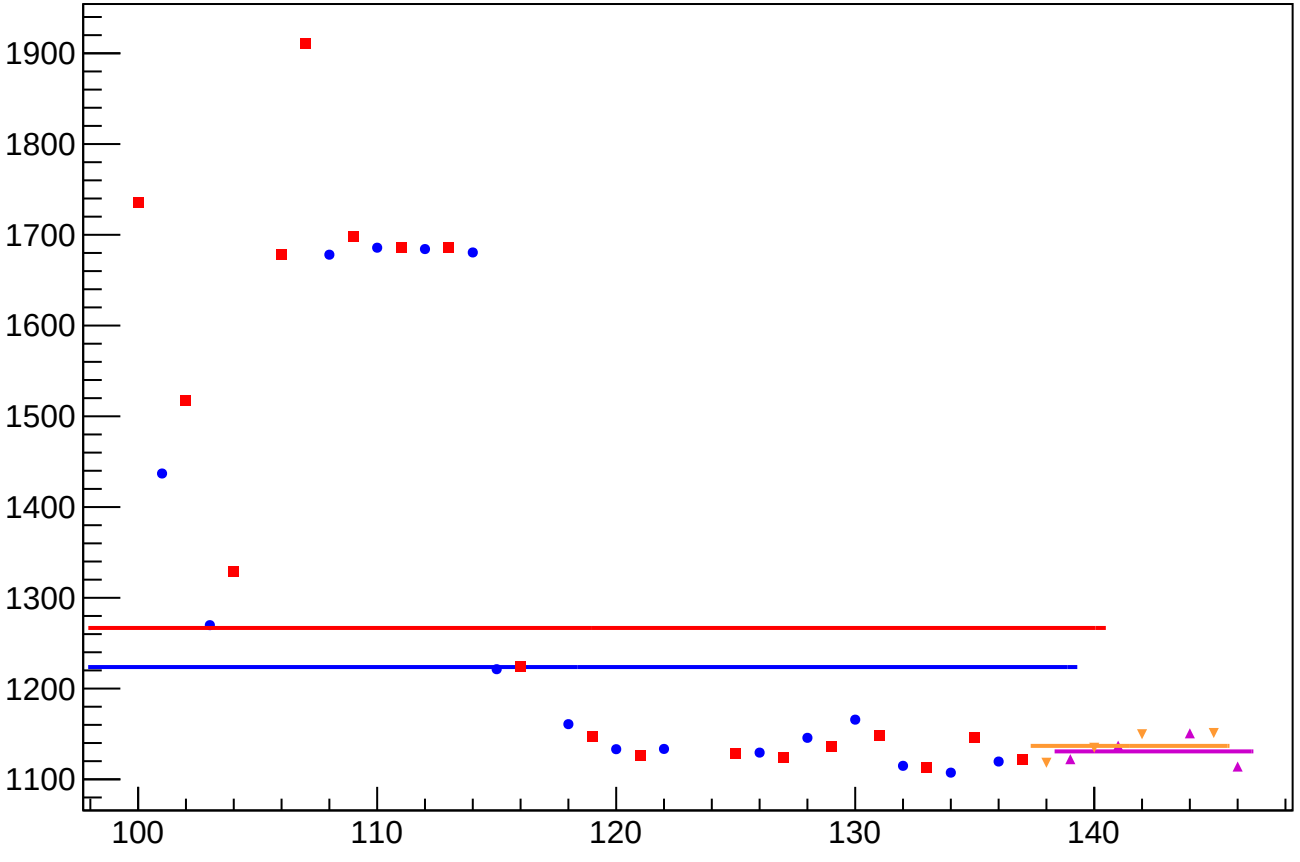
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 46.747+/-365.014 χ^2/NDF:11.6/19

Out: 201.869+/-387.509 χ^2/NDF:31.5/21

All: 119.675+/-265.701 χ^2/NDF: 43.2/41

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1136.835+/-0.474 χ^2/NDF:793.3/3

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

Left: 1133.473+/-0.317 χ^2/NDF: 1982.2/7

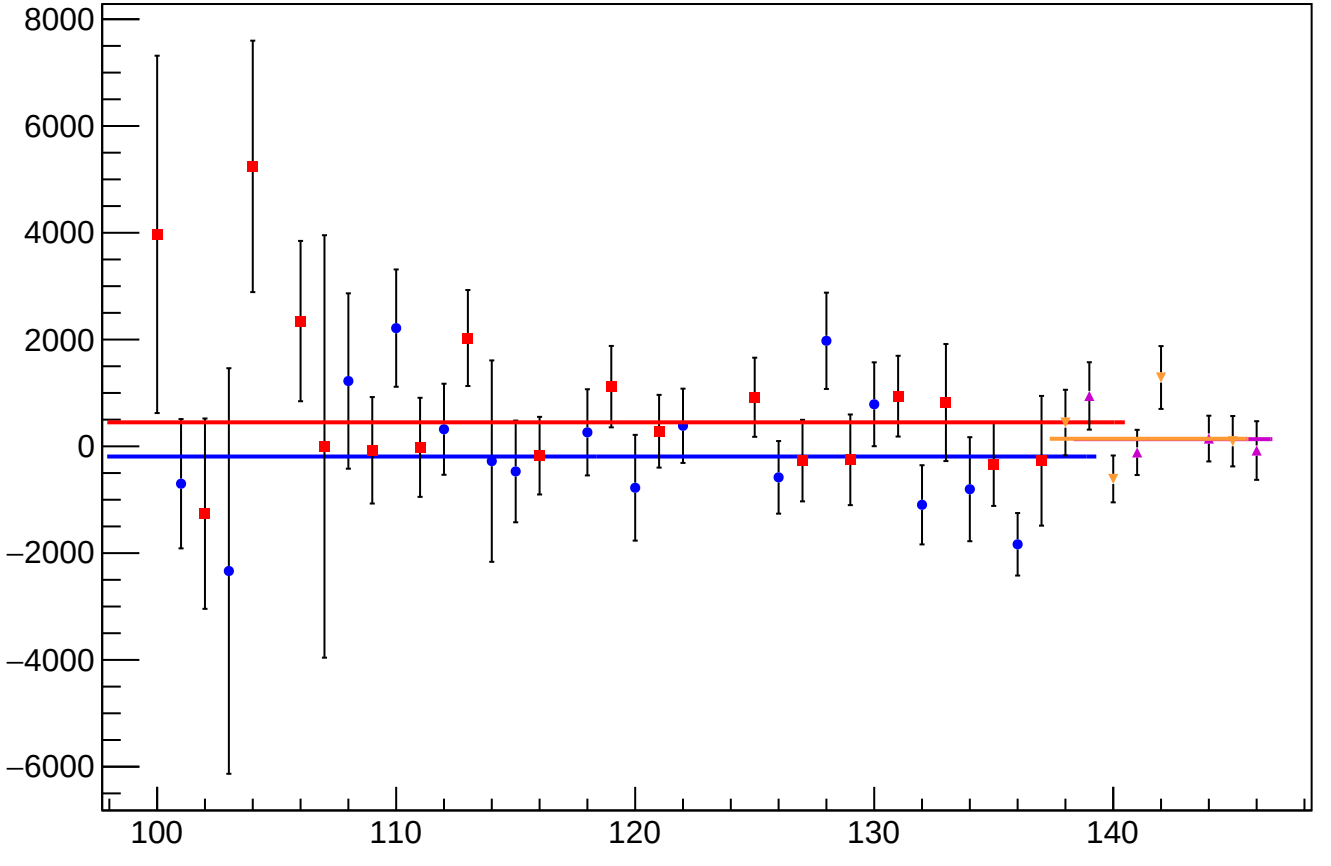
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1189.484+/-0.258 χ^2/NDF:326228.2/19

Out: 1223.341+/-0.274 χ^2/NDF:483687.3/21

All: 1205.401+/-0.188 χ^2/NDF: 818005.3/41

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: 141.979+/-256.312 χ^2/NDF:7.0/3

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 134.608+/-243.573 χ^2/NDF:2.1/3

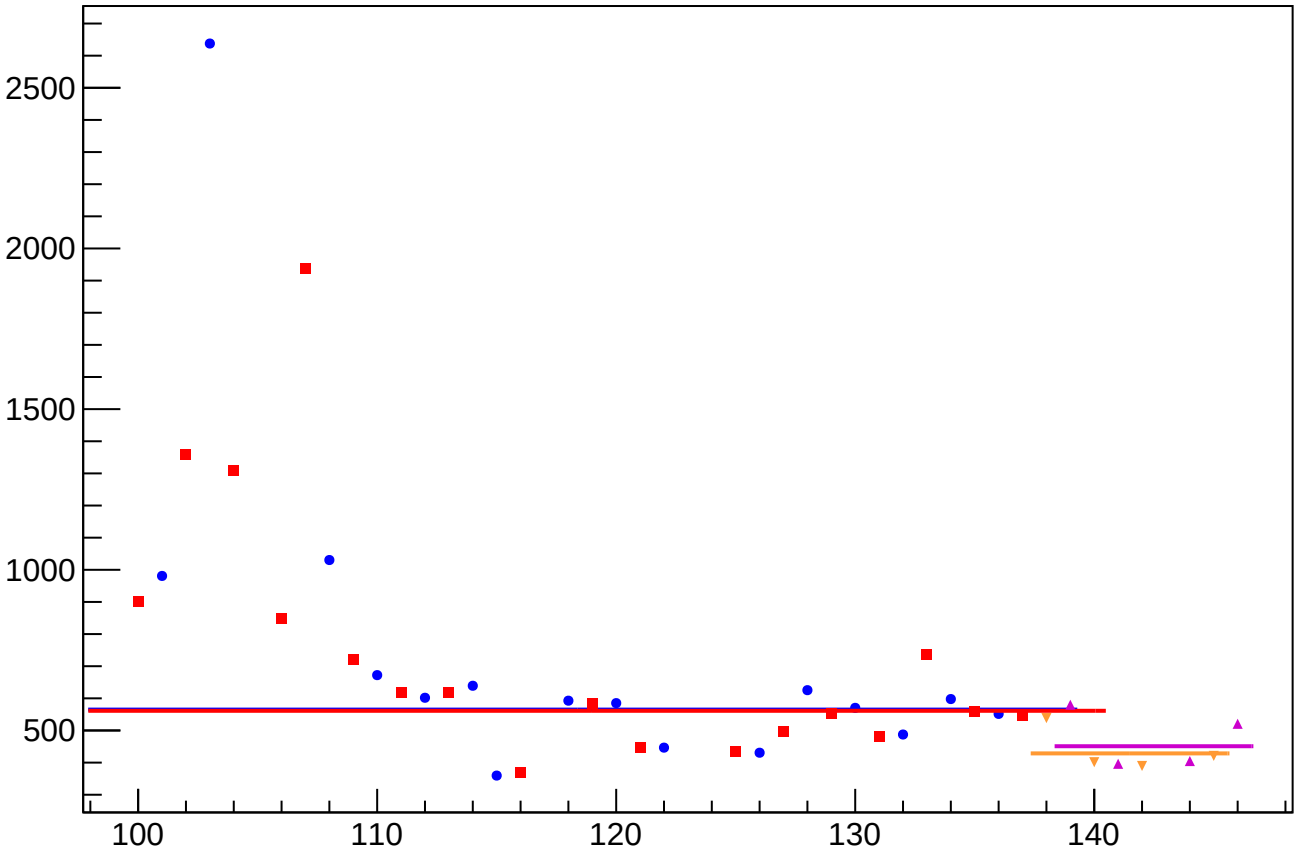
Left: 138.106+/-176.564 χ^2/NDF: 9.1/7

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: -42.421+/-164.425 χ^2/NDF:28.4/19

Out: 317.070+/-168.325 χ^2/NDF:24.6/21

All: 133.112+/-117.621 χ^2/NDF: 55.3/41



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 428.650+/-0.181 χ^2/NDF:81028.0/3

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 450.975+/-0.172 χ^2/NDF:172555.3/3

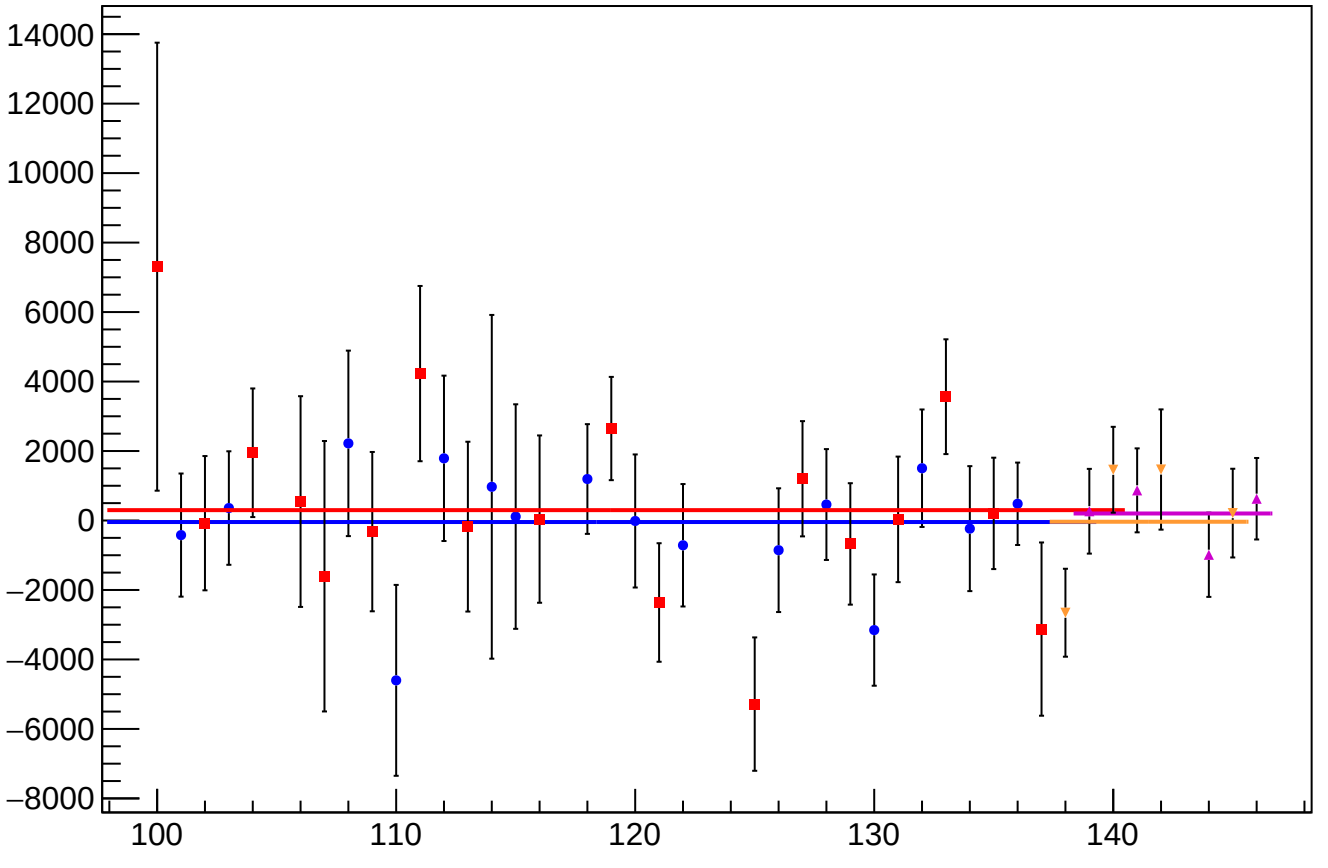
Left: 440.381+/-0.125 χ^2/NDF: 261556.9/7

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 513.016+/-0.116 χ^2/NDF:1695426.7/19

Out: 504.058+/-0.119 χ^2/NDF:1737661.2/21

All: 508.642+/-0.083 χ^2/NDF: 3435986.6/41



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -35.902+/-670.227 χ^2/NDF:6.5/3

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 201.825+/-601.537 χ^2/NDF:1.4/3

Left: 95.764+/-447.672 χ^2/NDF: 8.0/7

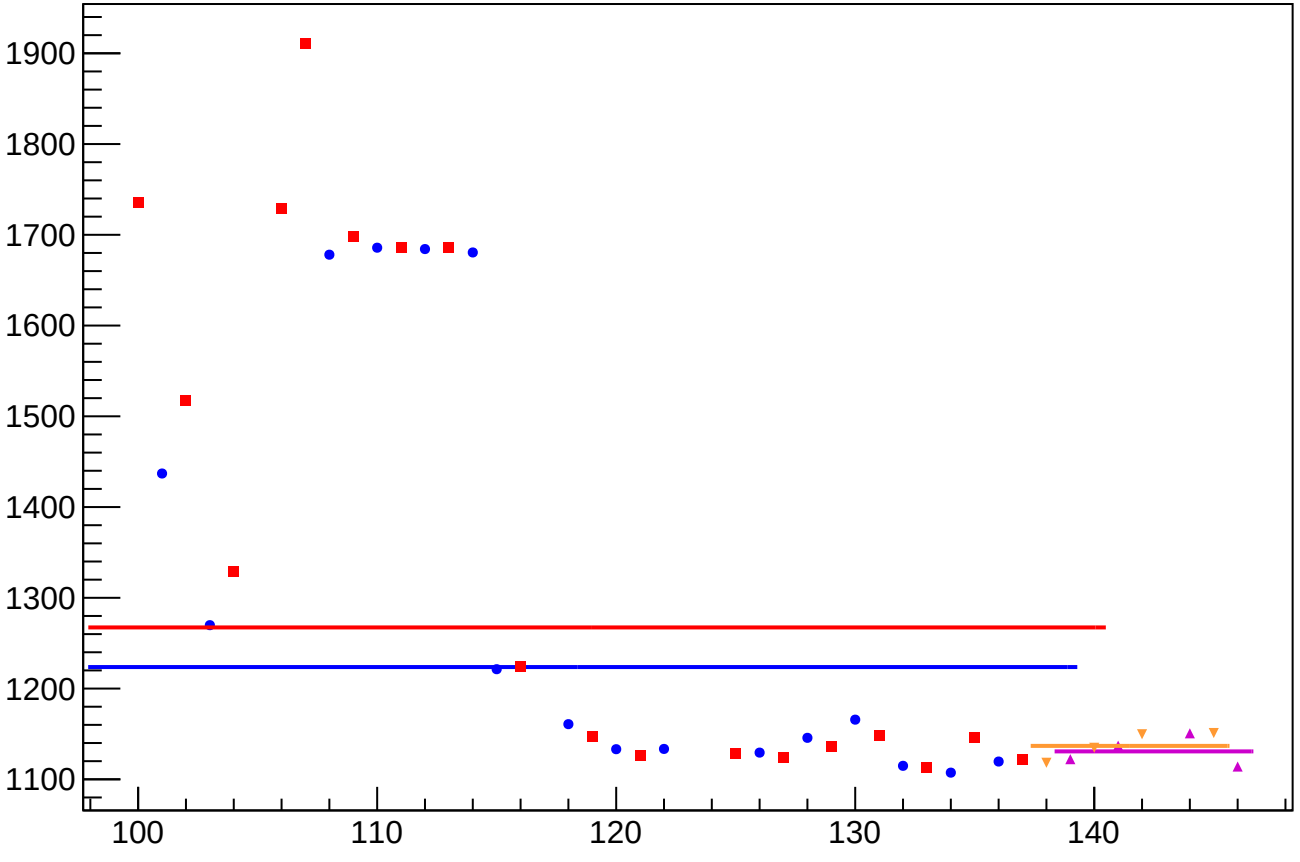
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 46.564+/-365.014 χ^2/NDF:11.6/19

Out: 186.402+/-387.713 χ^2/NDF:31.3/21

All: 112.270+/-265.766 χ^2/NDF: 43.0/41

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1136.835+/-0.474 χ^2/NDF:793.3/3

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

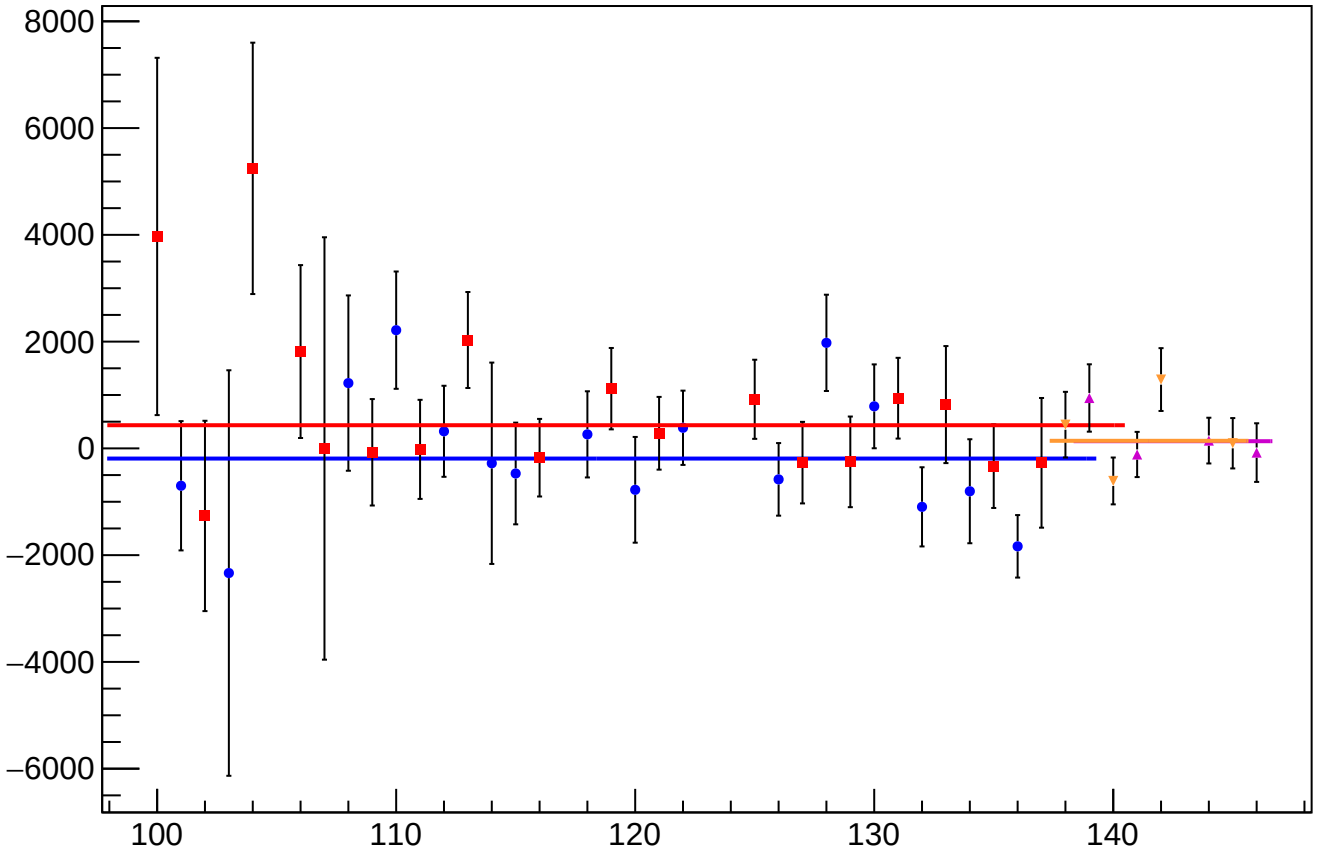
Left: 1133.473+/-0.317 χ^2/NDF: 1982.2/7

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1189.484+/-0.258 χ^2/NDF:326228.3/19

Out: 1223.683+/-0.274 χ^2/NDF:491248.0/21

All: 1205.553+/-0.188 χ^2/NDF: 825726.0/41



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: 141.903+/-256.312 χ^2/NDF:7.0/3

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 134.514+/-243.573 χ^2/NDF:2.1/3

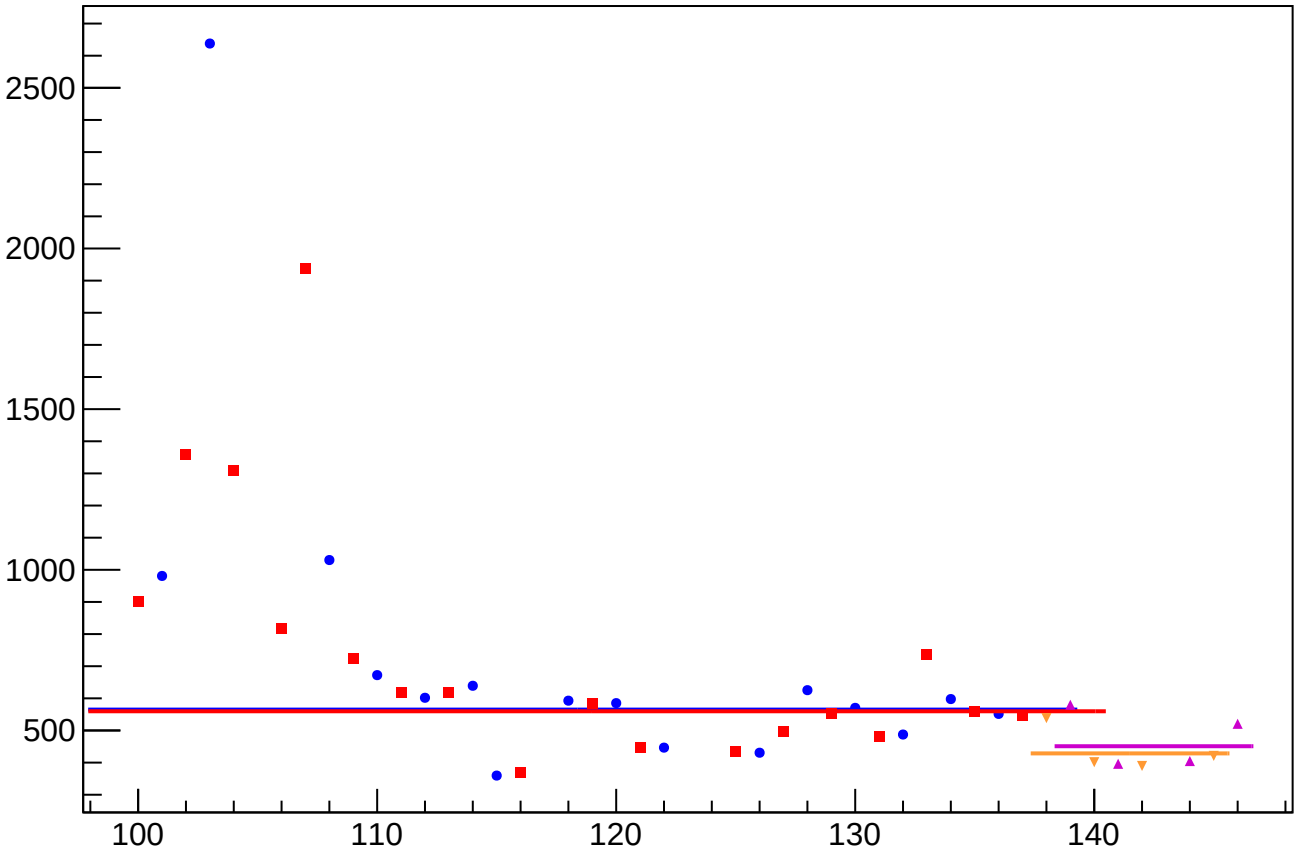
Left: 138.020+/-176.564 χ^2/NDF: 9.1/7

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -42.472+/-164.425 χ^2/NDF:28.4/19

Out: 307.734+/-168.473 χ^2/NDF:23.7/21

All: 128.373+/-117.671 χ^2/NDF: 54.2/41



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 428.649+/-0.181 χ^2/NDF:81008.0/3

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 450.977+/-0.172 χ^2/NDF:172549.2/3

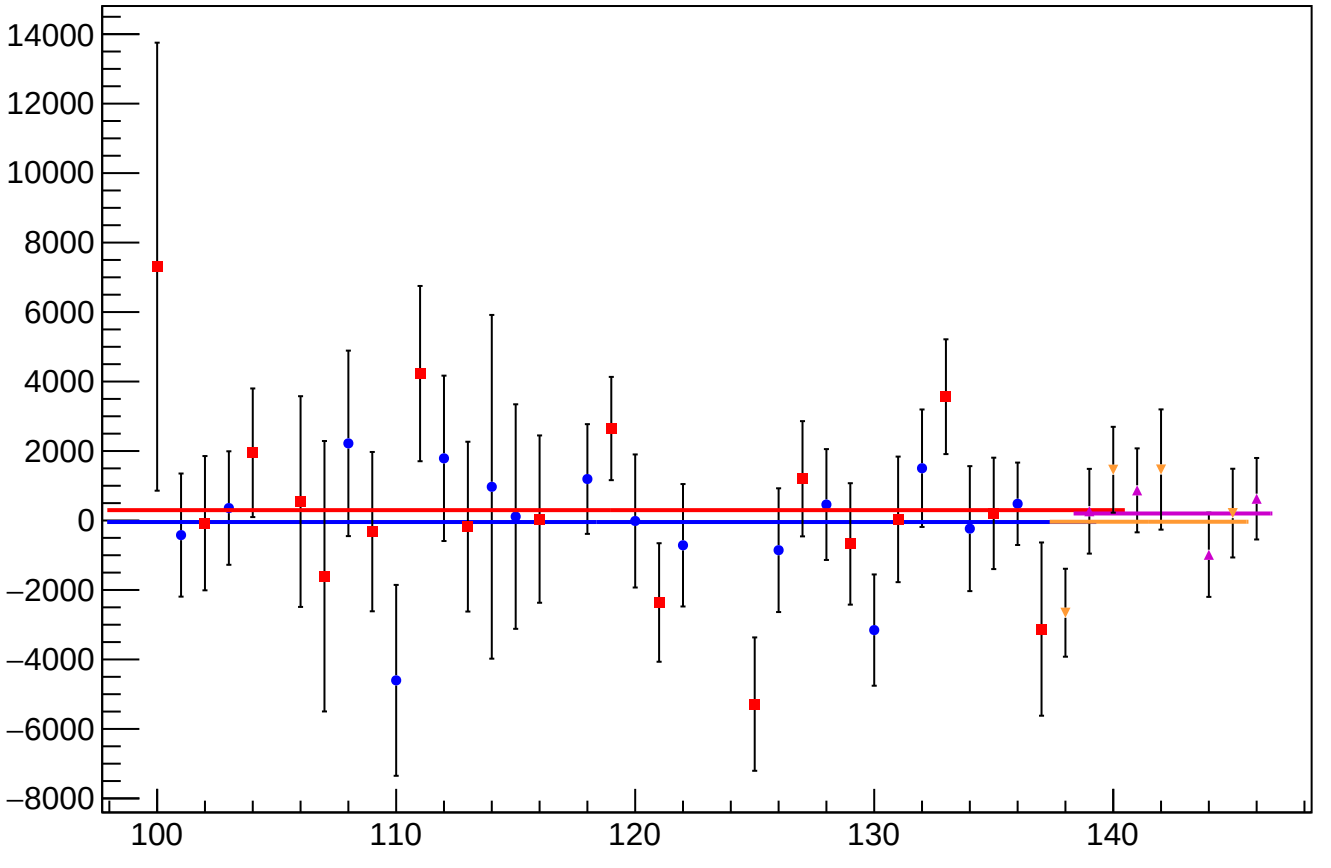
Left: 440.382+/-0.125 χ^2/NDF: 261531.8/7

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 513.015+/-0.116 χ^2/NDF:1695374.1/19

Out: 503.114+/-0.119 χ^2/NDF:1707581.8/21

All: 508.185+/-0.083 χ^2/NDF: 3406493.7/41



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -35.902+/-670.227 χ^2/NDF:6.5/3

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 201.825+/-601.537 χ^2/NDF:1.4/3

Left: 95.764+/-447.672 χ^2/NDF: 8.0/7

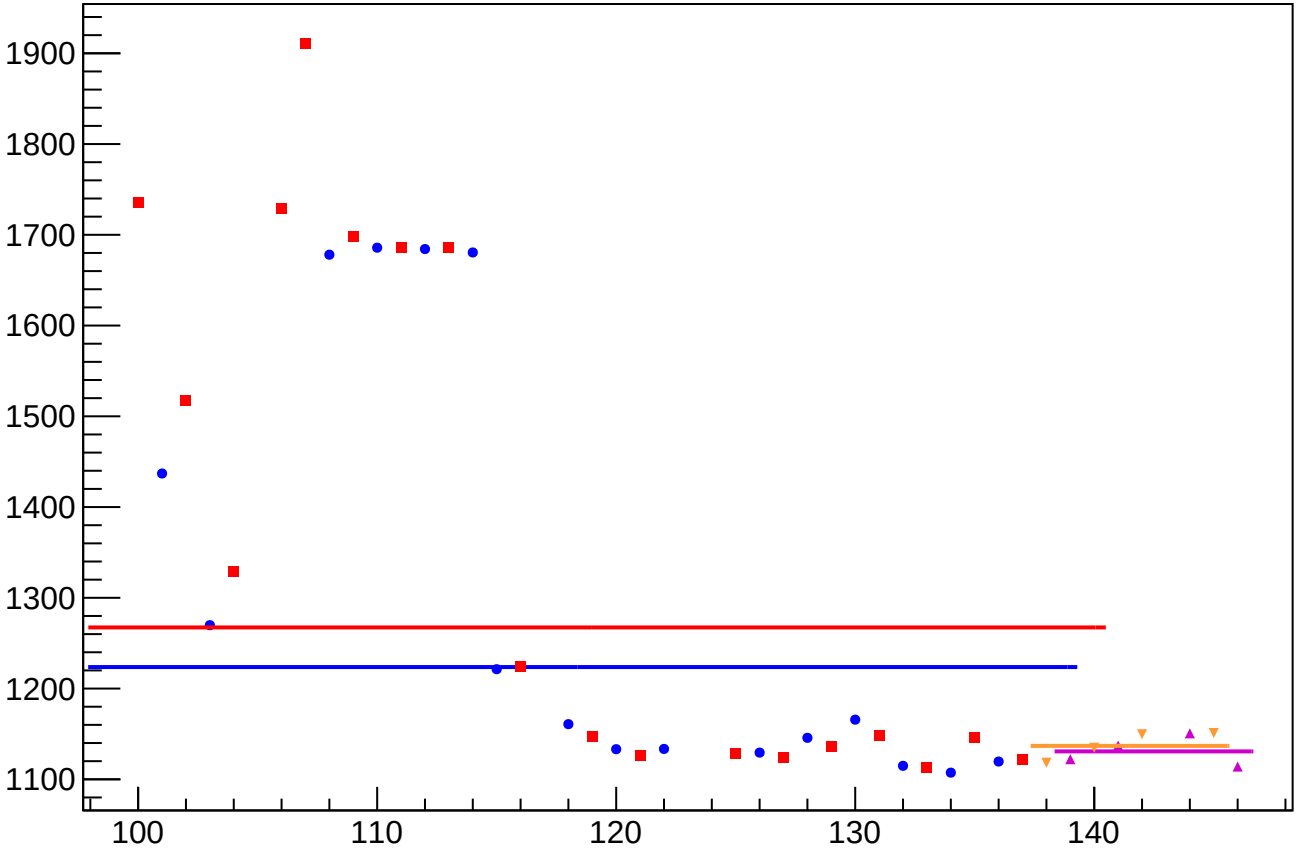
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 46.564+/-365.014 χ^2/NDF:11.6/19

Out: 186.402+/-387.713 χ^2/NDF:31.3/21

All: 112.270+/-265.766 χ^2/NDF: 43.0/41

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1136.835+/-0.474 χ^2/NDF:793.3/3

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

Left: 1133.473+/-0.317 χ^2/NDF: 1982.2/7

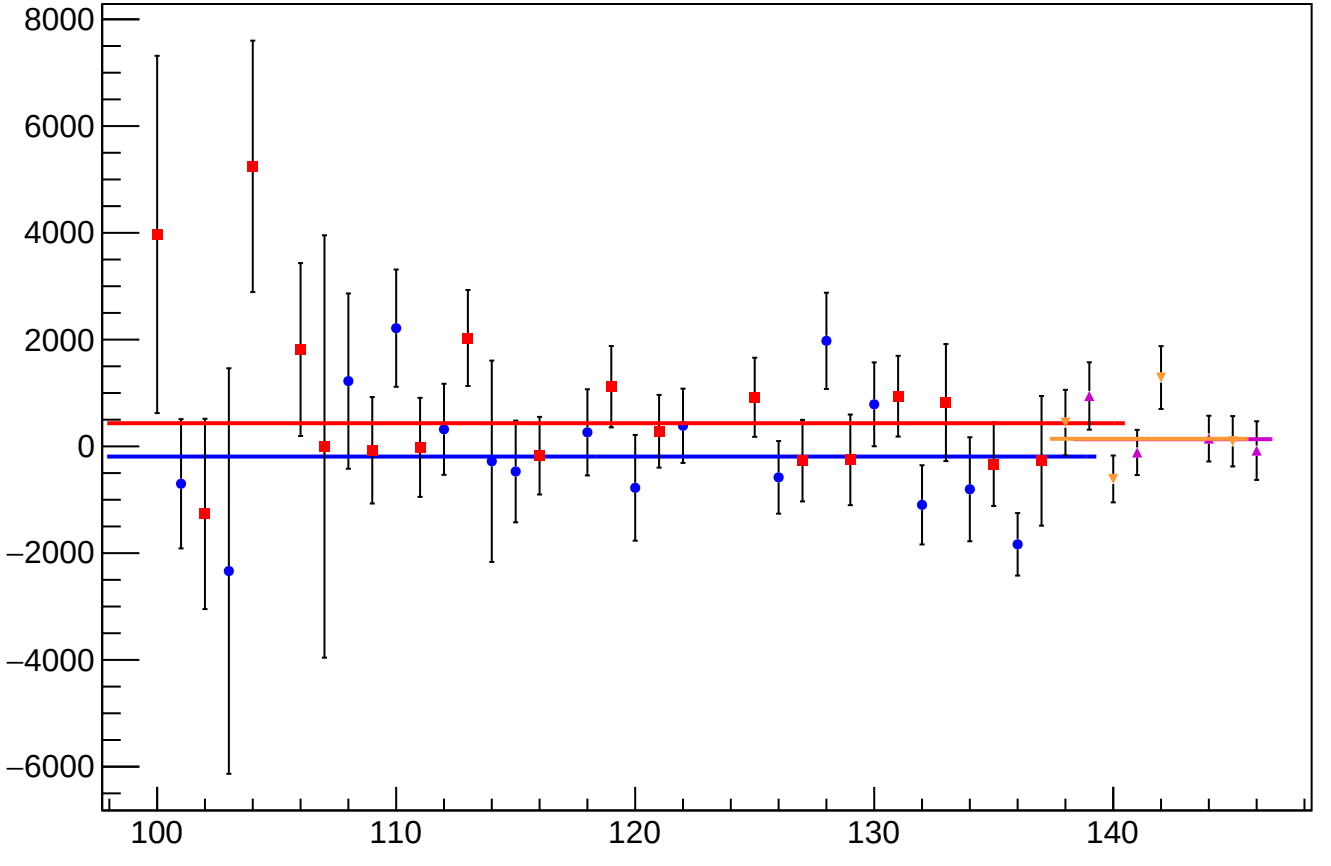
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1189.484+/-0.258 χ^2/NDF:326228.3/19

Out: 1223.683+/-0.274 χ^2/NDF:491248.0/21

All: 1205.553+/-0.188 χ^2/NDF: 825726.0/41

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: 141.903+/-256.312 χ^2/NDF:7.0/3

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 134.514+/-243.573 χ^2/NDF:2.1/3

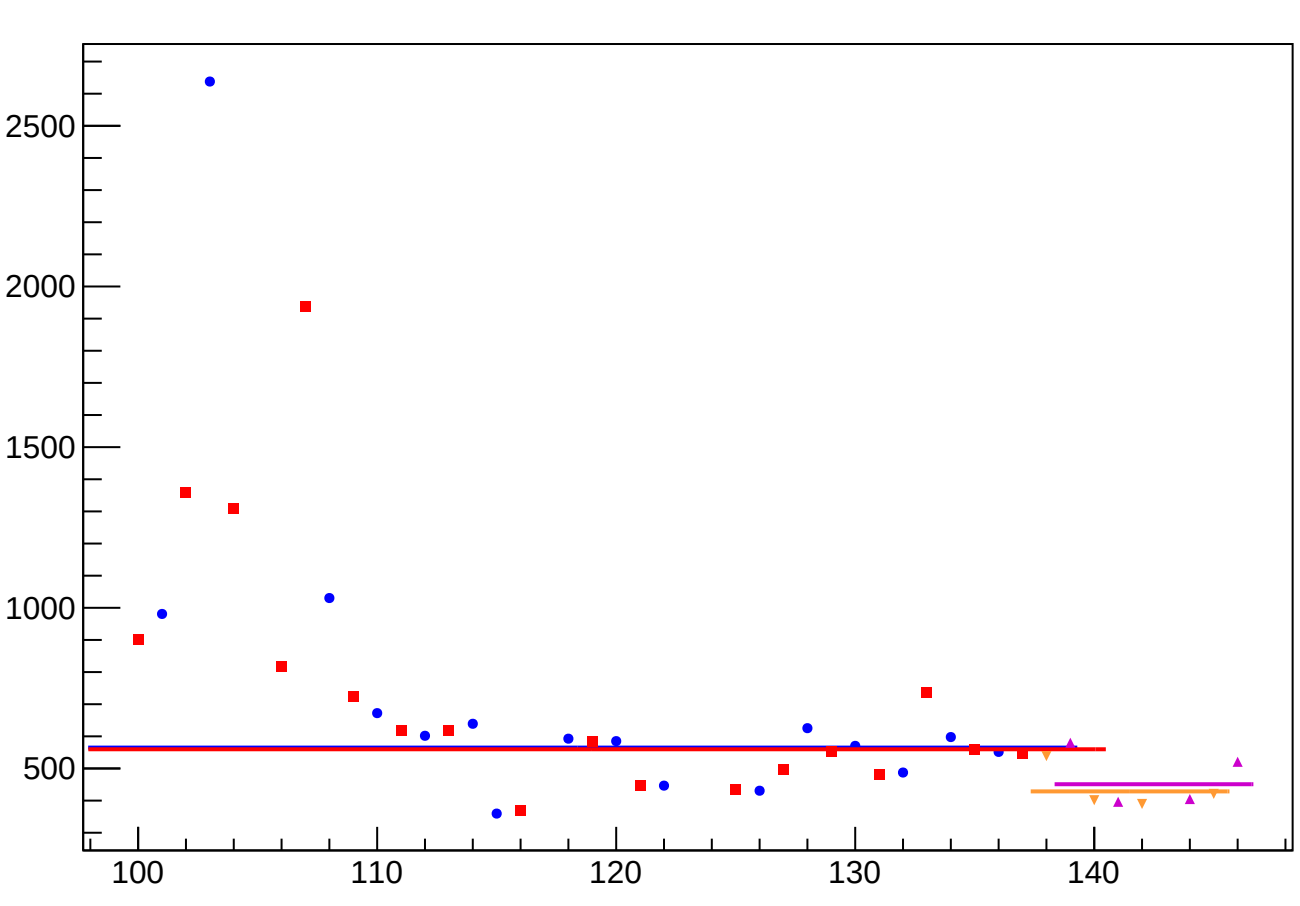
Left: 138.020+/-176.564 χ^2/NDF: 9.1/7

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -42.472+/-164.425 χ^2/NDF:28.4/19

Out: 307.734+/-168.473 χ^2/NDF:23.7/21

All: 128.373+/-117.671 χ^2/NDF: 54.2/41



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 428.649+/-0.181 χ^2/NDF:81008.0/3

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 450.977+/-0.172 χ^2/NDF:172549.2/3

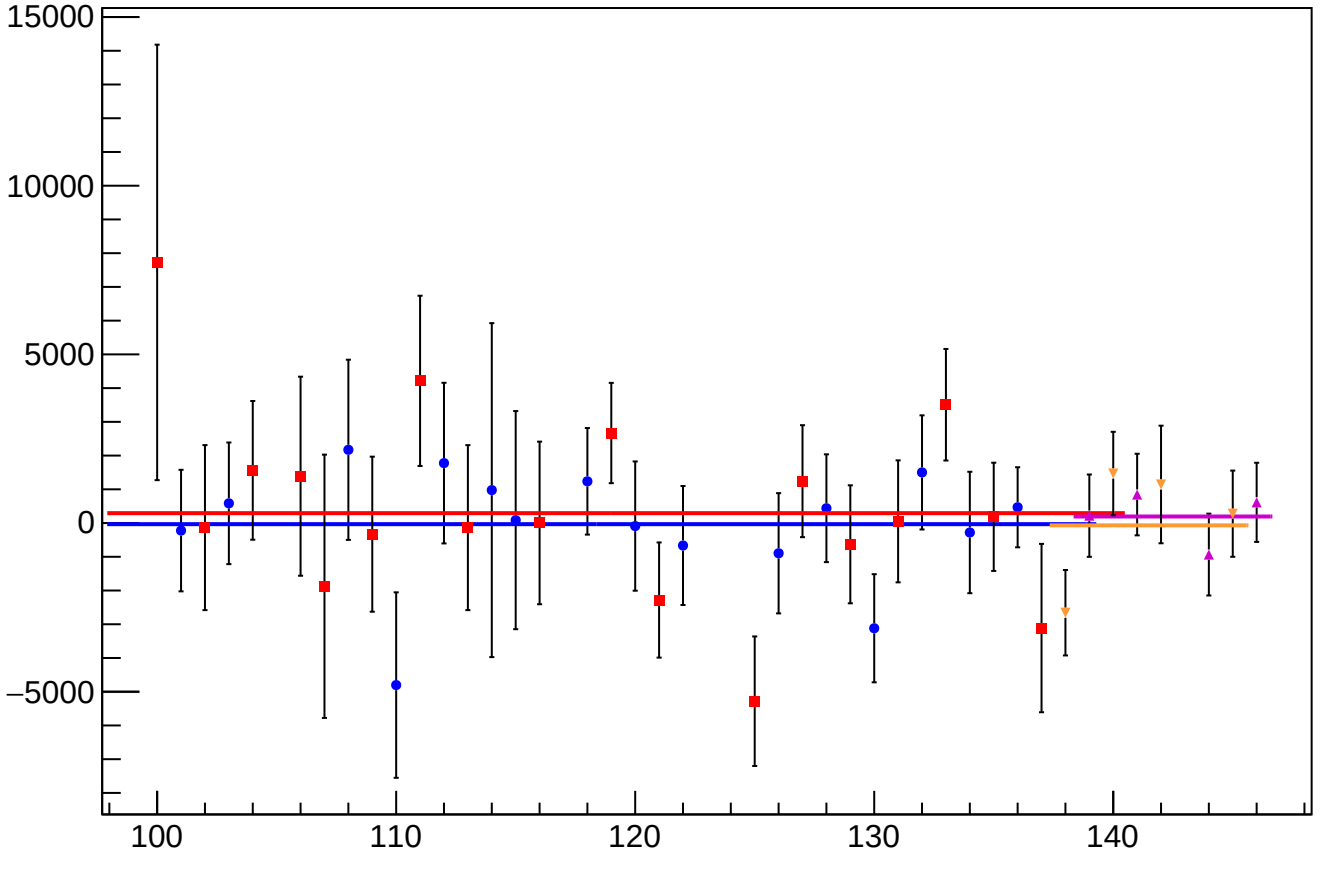
Left: 440.382+/-0.125 χ^2/NDF: 261531.8/7

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 513.015+/-0.116 χ^2/NDF:1695374.1/19

Out: 503.114+/-0.119 χ^2/NDF:1707581.8/21

All: 508.185+/-0.083 χ^2/NDF: 3406493.7/41



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -67.894+/-671.219 χ^2/NDF:6.3/3

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 193.913+/-601.799 χ^2/NDF:1.3/3

Left: 77.244+/-448.076 χ^2/NDF: 7.7/7

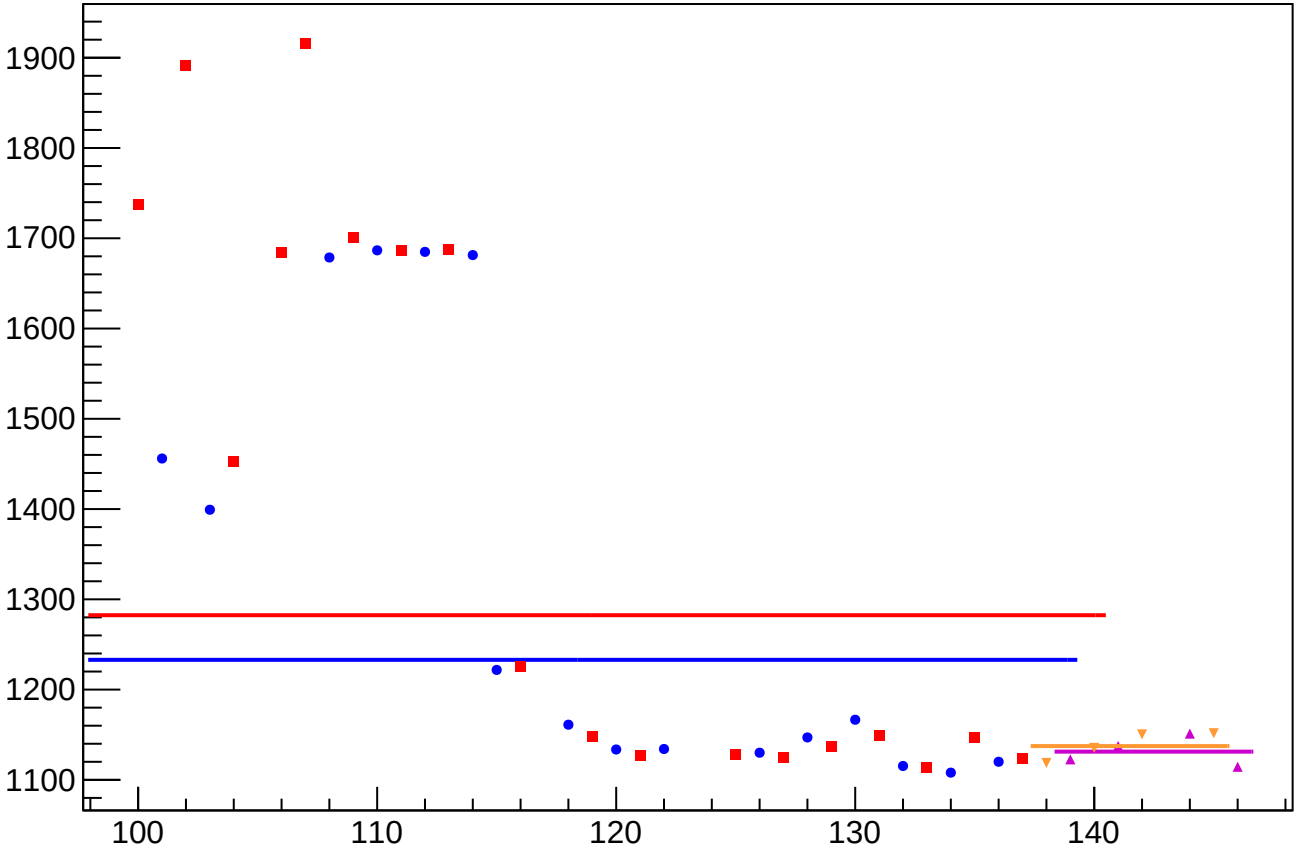
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 51.383+/-367.069 χ^2/NDF:11.6/19

Out: 169.852+/-392.496 χ^2/NDF:30.7/21

All: 106.656+/-268.096 χ^2/NDF: 42.4/41

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1137.421+/-0.475 χ^2/NDF:798.3/3

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1131.255+/-0.426 χ^2/NDF:1100.5/3

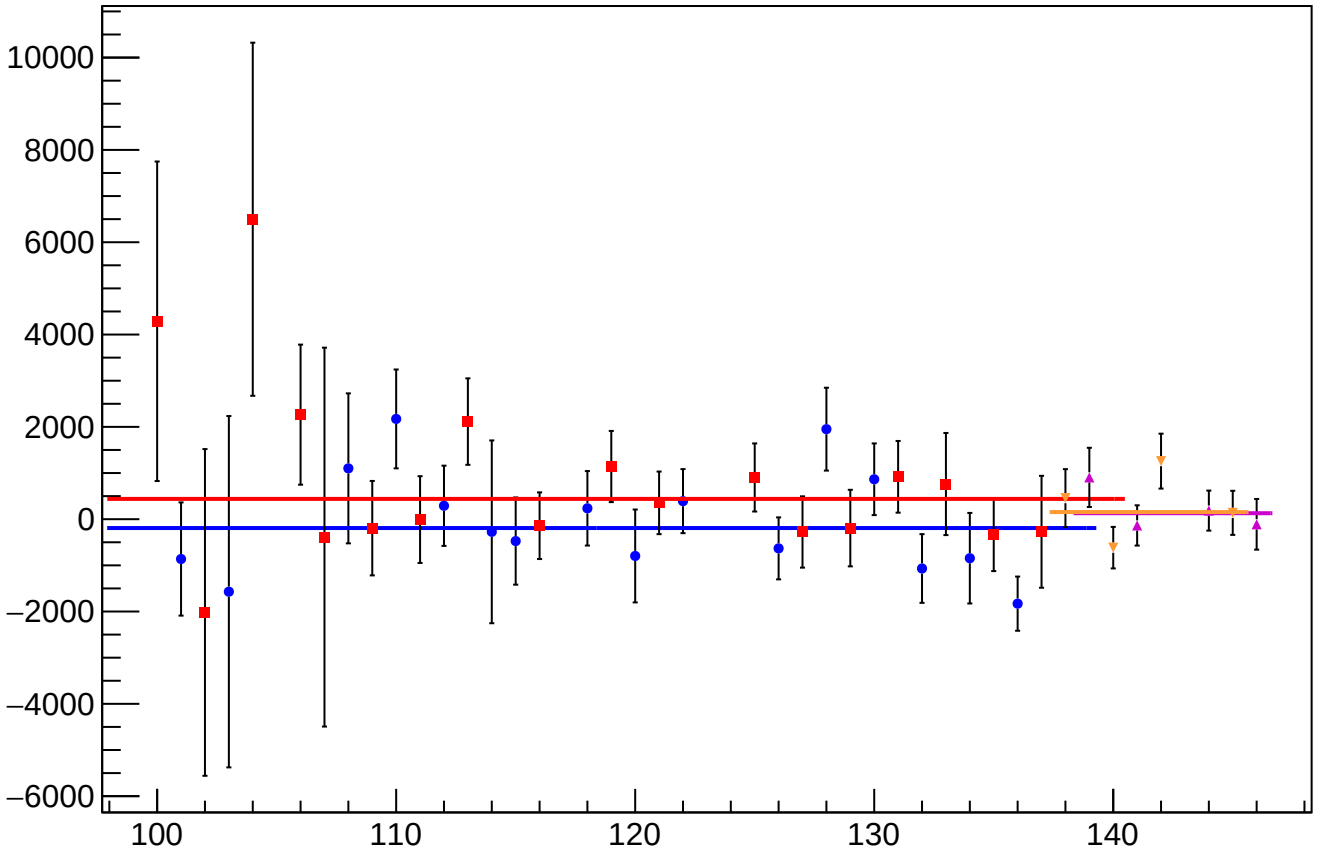
Left: 1134.003+/-0.317 χ^2/NDF: 1992.3/7

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1195.124+/-0.260 χ^2/NDF:352445.3/19

Out: 1232.831+/-0.278 χ^2/NDF:605610.0/21

All: 1212.717+/-0.190 χ^2/NDF: 967901.9/41



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: 154.324+/-260.870 χ^2/NDF:6.6/3

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 129.554+/-247.532 χ^2/NDF:2.0/3

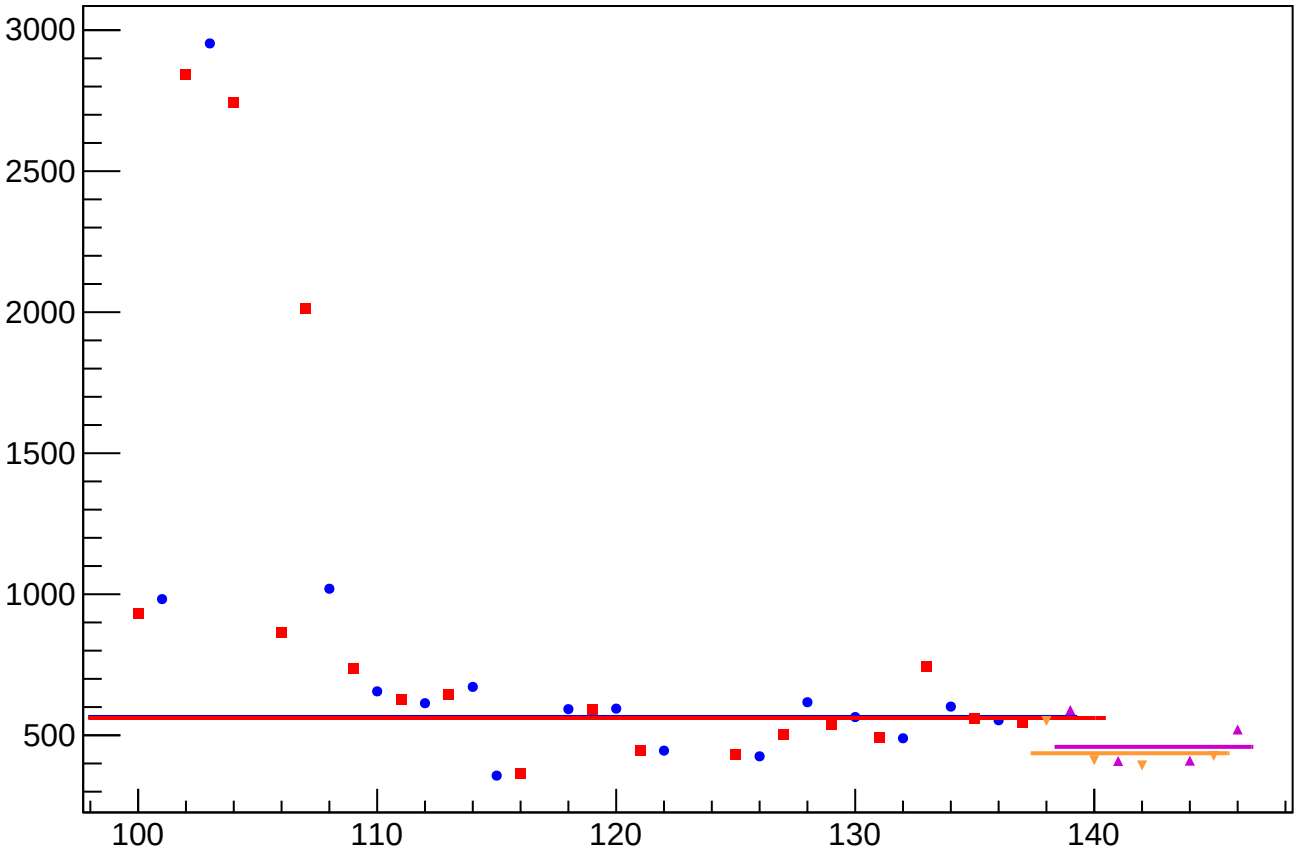
Left: 141.290+/-179.562 χ^2/NDF: 8.7/7

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -47.850+/-165.584 χ^2/NDF:28.3/19

Out: 316.924+/-171.073 χ^2/NDF:21.9/21

All: 128.591+/-118.979 χ^2/NDF: 52.5/41



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 436.256+/-0.184 χ^2/NDF:83819.3/3

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 458.934+/-0.175 χ^2/NDF:160071.3/3

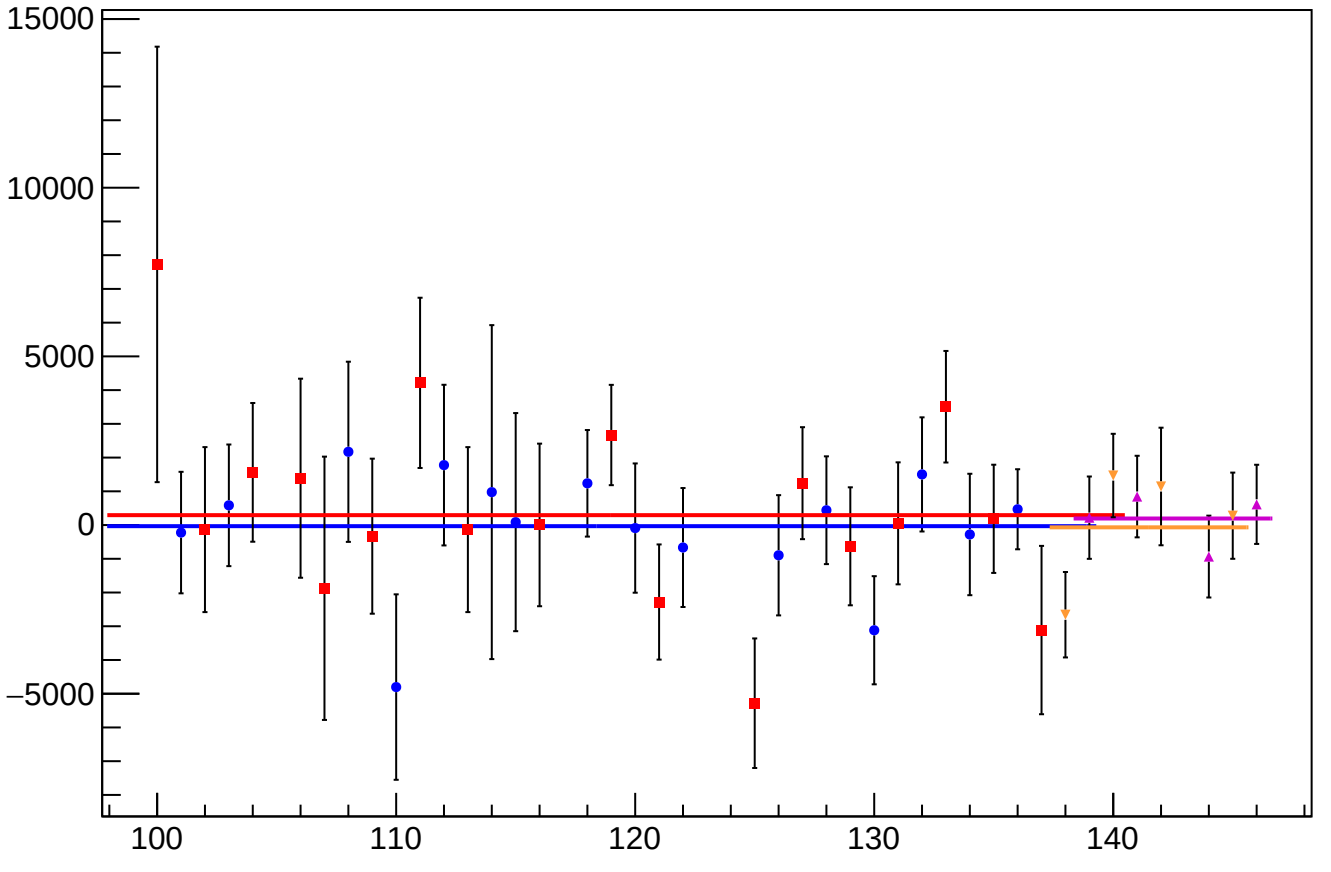
Left: 448.189+/-0.127 χ^2/NDF: 251844.4/7

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 517.466+/-0.117 χ^2/NDF:1842845.6/19

Out: 507.510+/-0.121 χ^2/NDF:2618988.2/21

All: 512.650+/-0.084 χ^2/NDF: 4465331.4/41



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -67.894+/-671.219 χ^2/NDF:6.3/3

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 193.914+/-601.799 χ^2/NDF:1.3/3

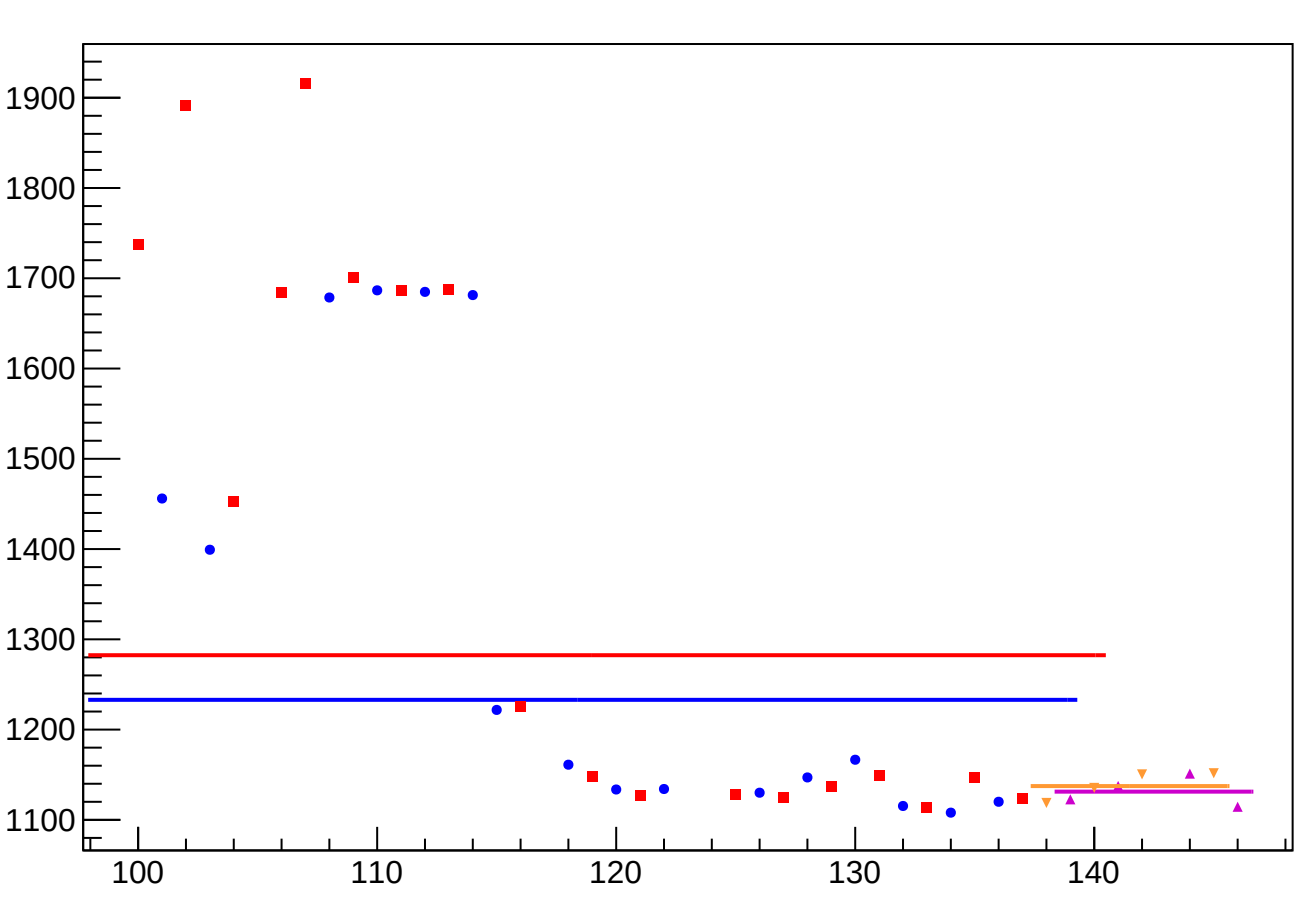
Left: 77.245+/-448.076 χ^2/NDF: 7.7/7

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 51.383+/-367.069 χ^2/NDF:11.6/19

Out: 169.851+/-392.496 χ^2/NDF:30.7/21

All: 106.656+/-268.096 χ^2/NDF: 42.4/41



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1137.421+/-0.475 χ^2/NDF:798.3/3

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1131.255+/-0.426 χ^2/NDF:1100.5/3

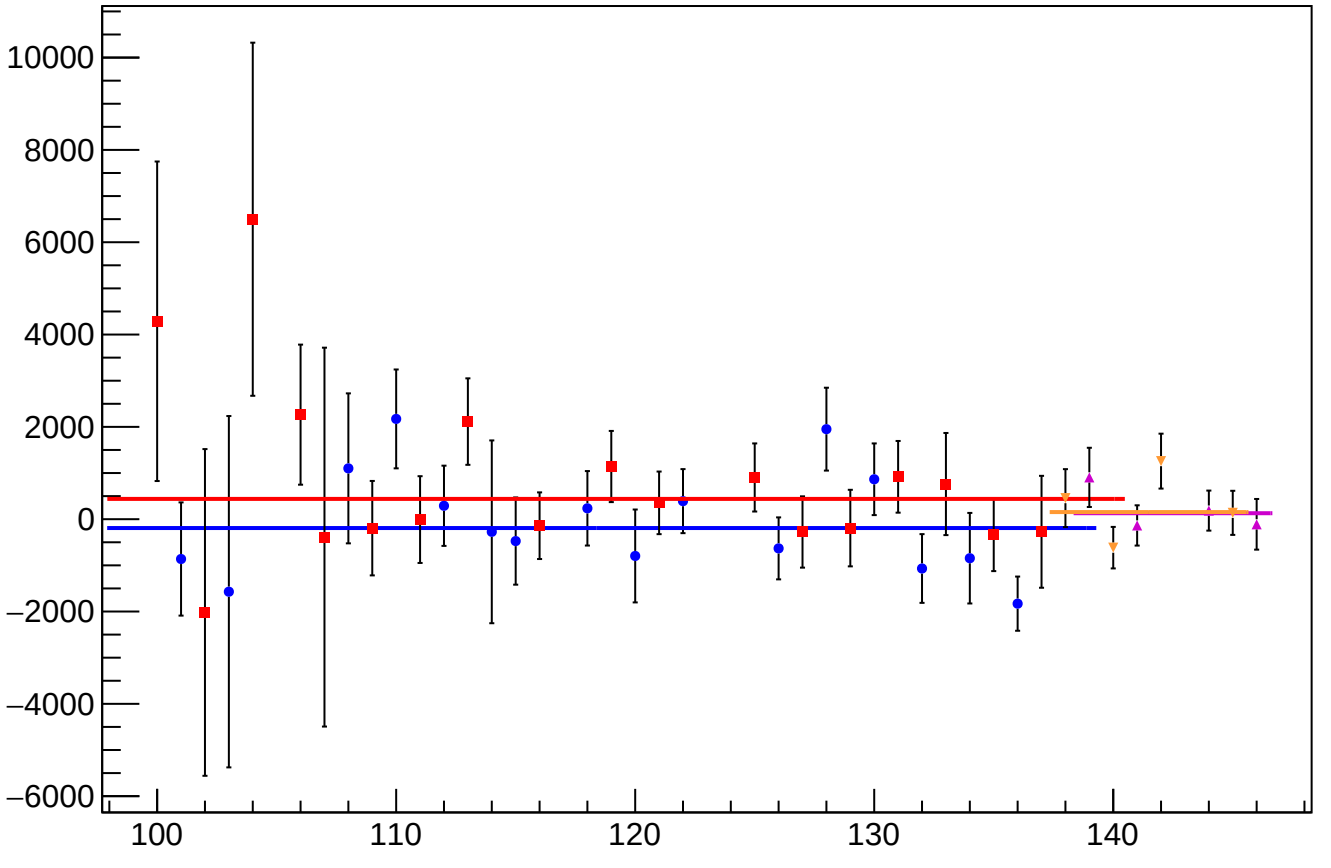
Left: 1134.003+/-0.317 χ^2/NDF: 1992.3/7

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1195.124+/-0.260 χ^2/NDF:352444.9/19

Out: 1232.831+/-0.278 χ^2/NDF:605609.4/21

All: 1212.717+/-0.190 χ^2/NDF: 967900.8/41



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: 154.324+/-260.869 χ^2/NDF:6.6/3

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 129.554+/-247.531 χ^2/NDF:2.0/3

Left: 141.290+/-179.561 χ^2/NDF: 8.7/7

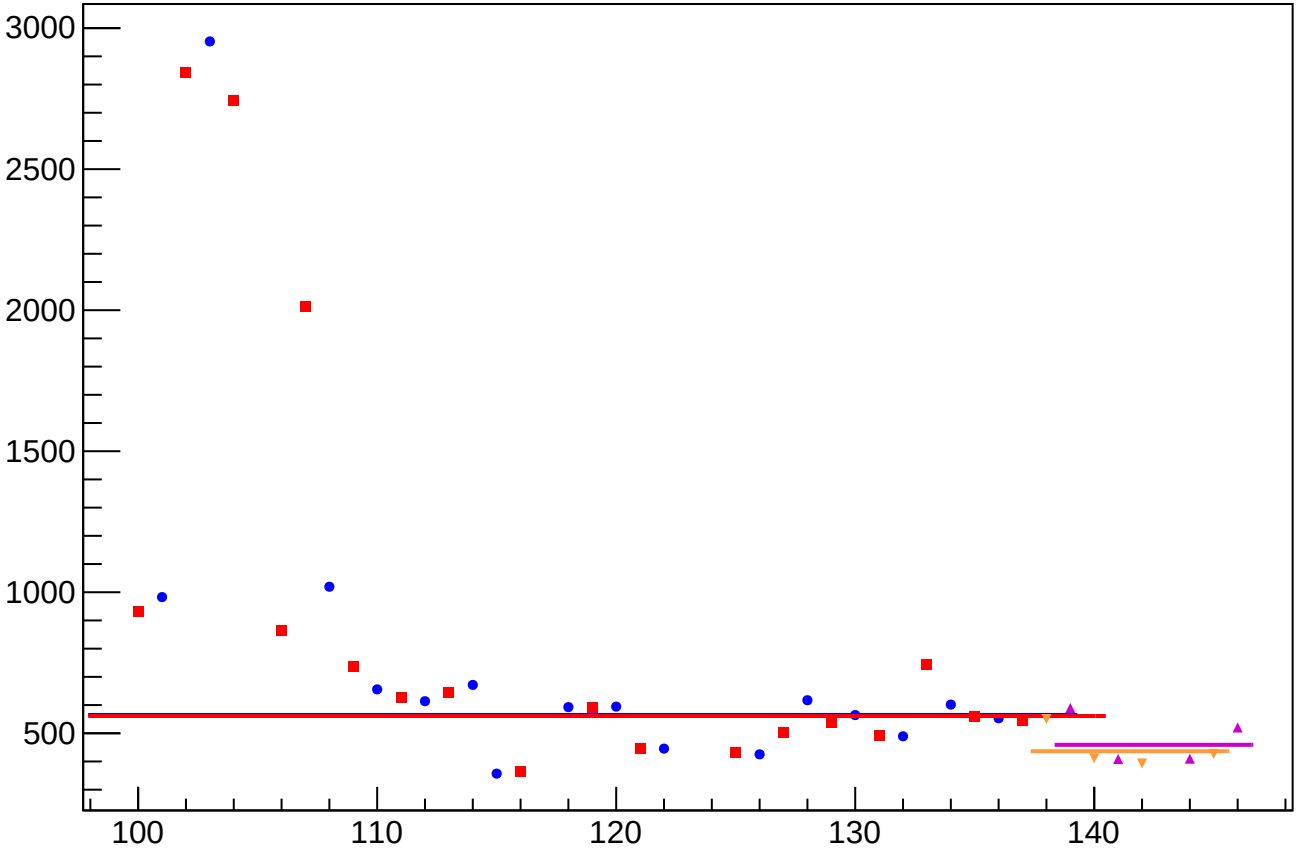
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -47.850+/-165.584 χ^2/NDF:28.3/19

Out: 316.924+/-171.072 χ^2/NDF:21.9/21

All: 128.592+/-118.978 χ^2/NDF: 52.5/41

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: 436.254+/-0.184 χ^2/NDF:83823.6/3

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 458.933+/-0.175 χ^2/NDF:160076.3/3

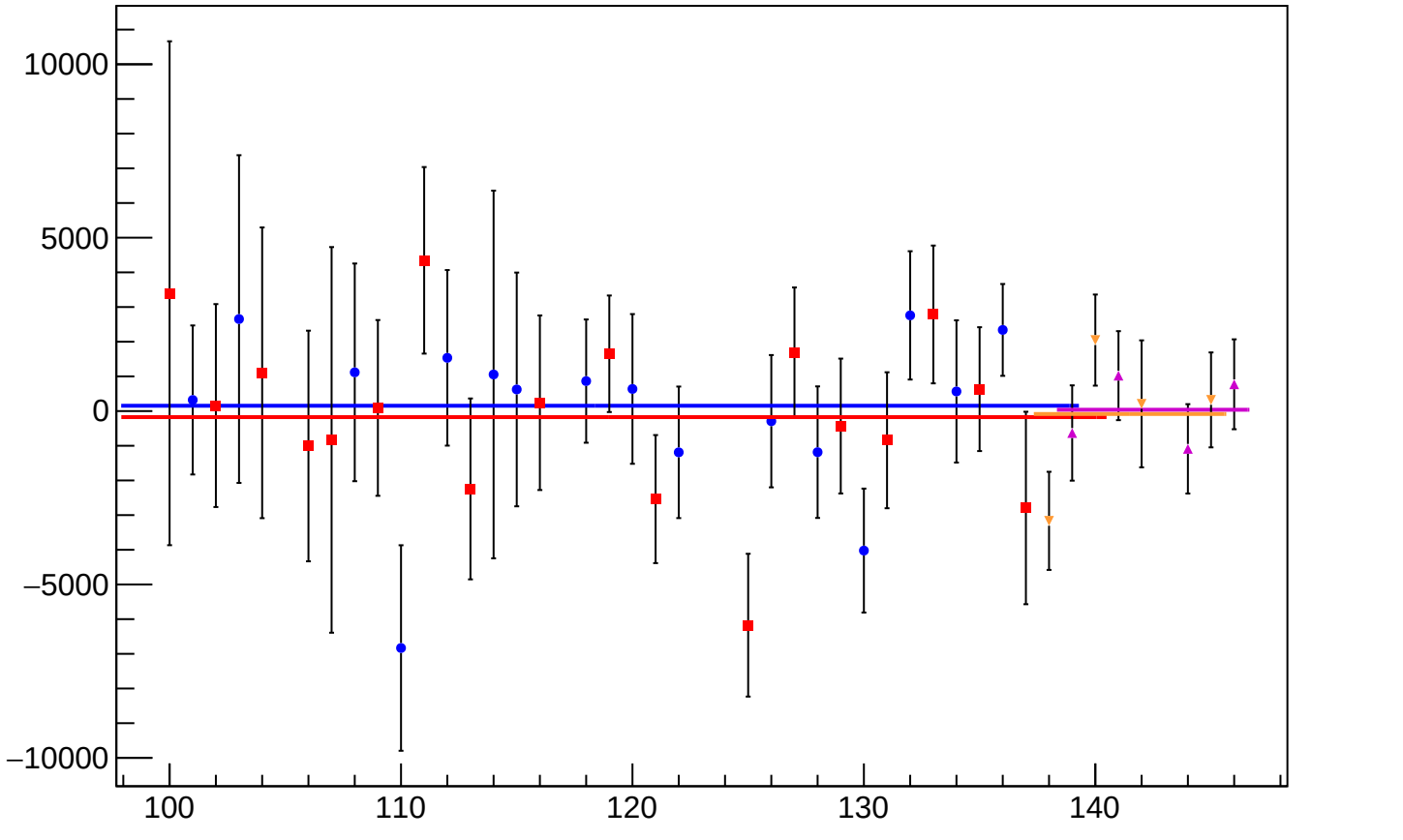
Left: 448.188+/-0.127 χ^2/NDF: 251854.3/7

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 517.466+/-0.117 χ^2/NDF:1842852.8/19

Out: 507.509+/-0.121 χ^2/NDF:2619001.5/21

All: 512.649+/-0.084 χ^2/NDF: 4465352.3/41



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: -83.953+/-723.349 χ^2/NDF:7.5/3

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: 38.218+/-654.486 χ^2/NDF:1.9/3

Left: -16.776+/-485.316 χ^2/NDF: 9.4/7

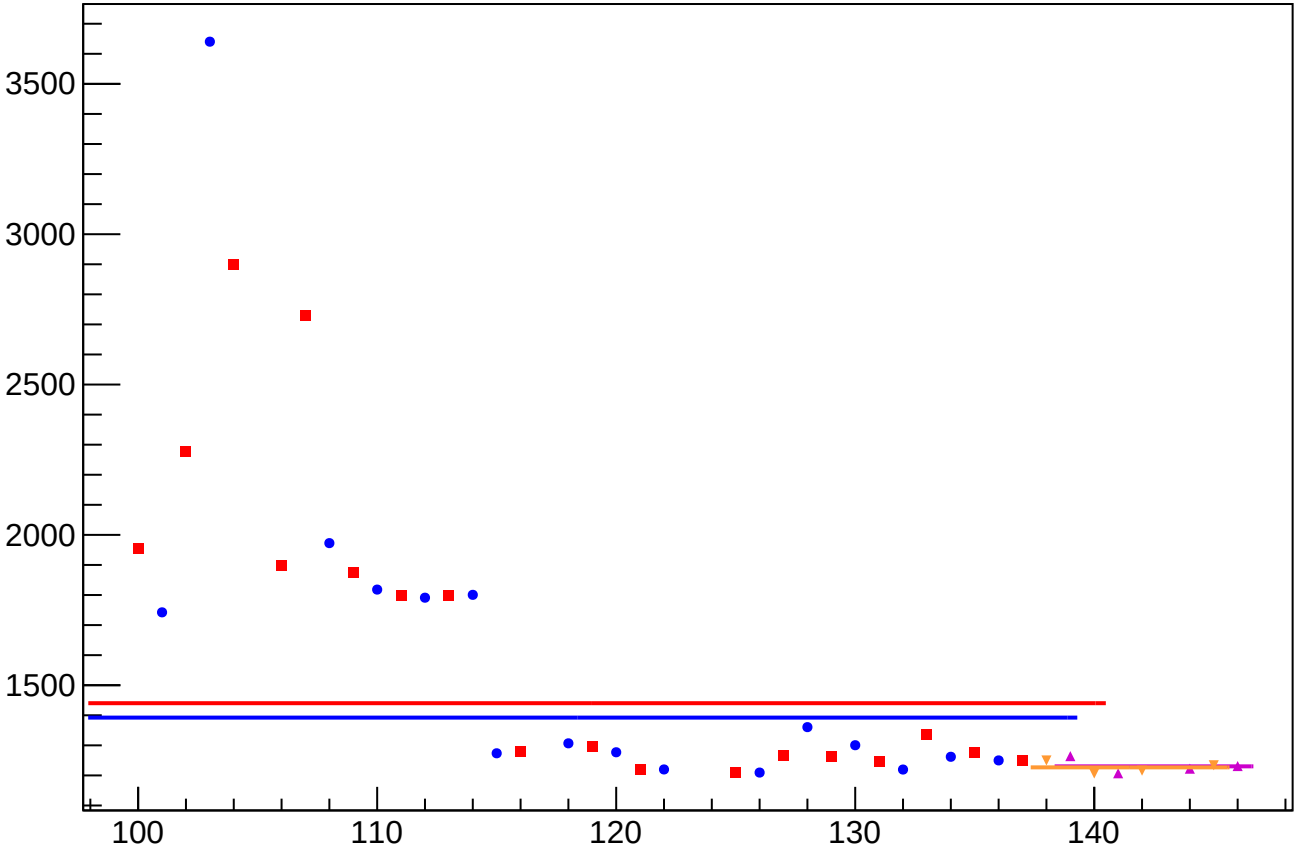
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 107.549+/-412.867 χ^2/NDF:19.7/19

Out: -141.202+/-437.892 χ^2/NDF:27.2/21

All: -9.516+/-300.398 χ^2/NDF: 47.0/41

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1226.801+/-0.511 χ^2/NDF:1135.0/3

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1230.183+/-0.463 χ^2/NDF:1942.4/3

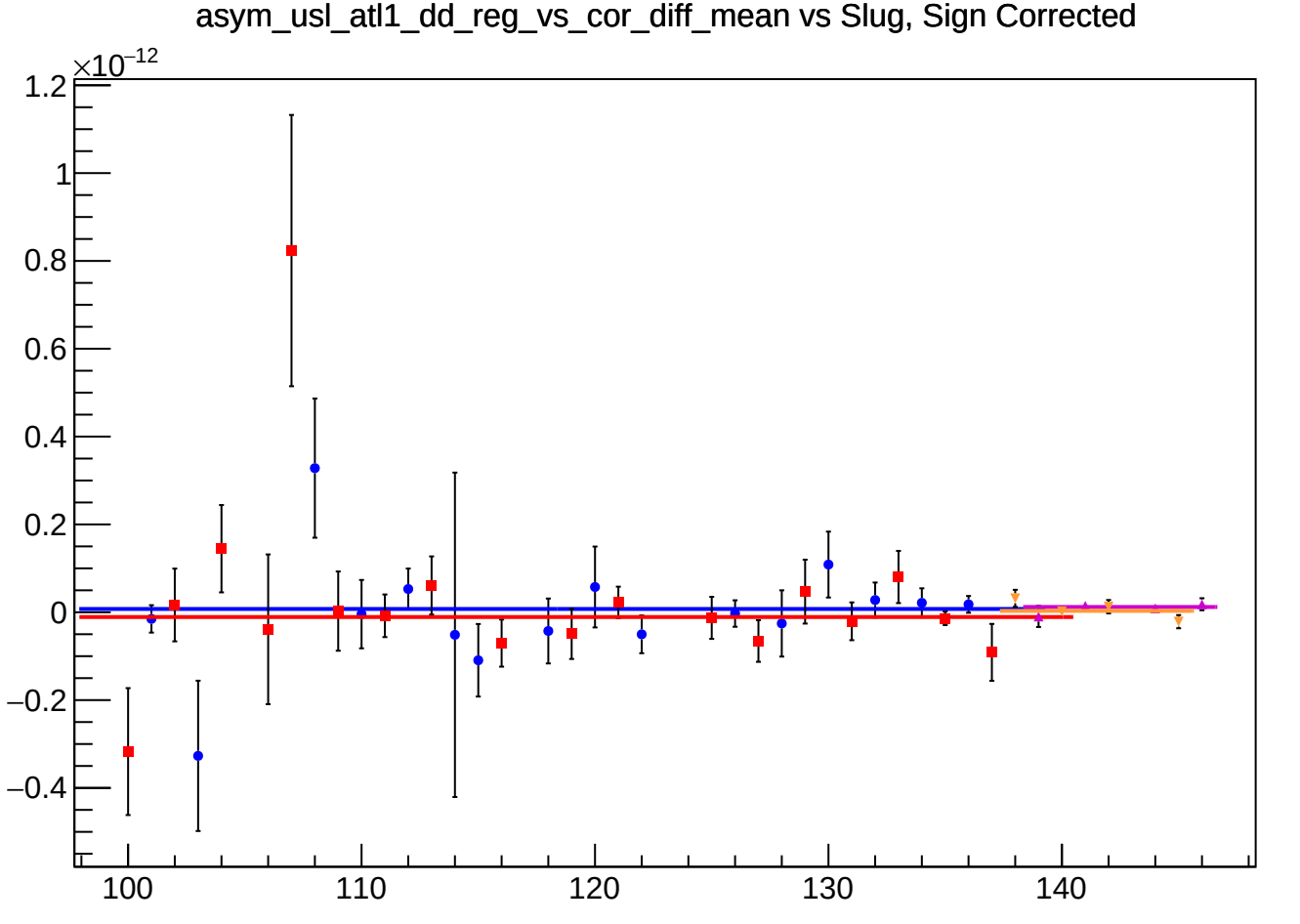
Left: 1228.660+/-0.343 χ^2/NDF: 3101.4/7

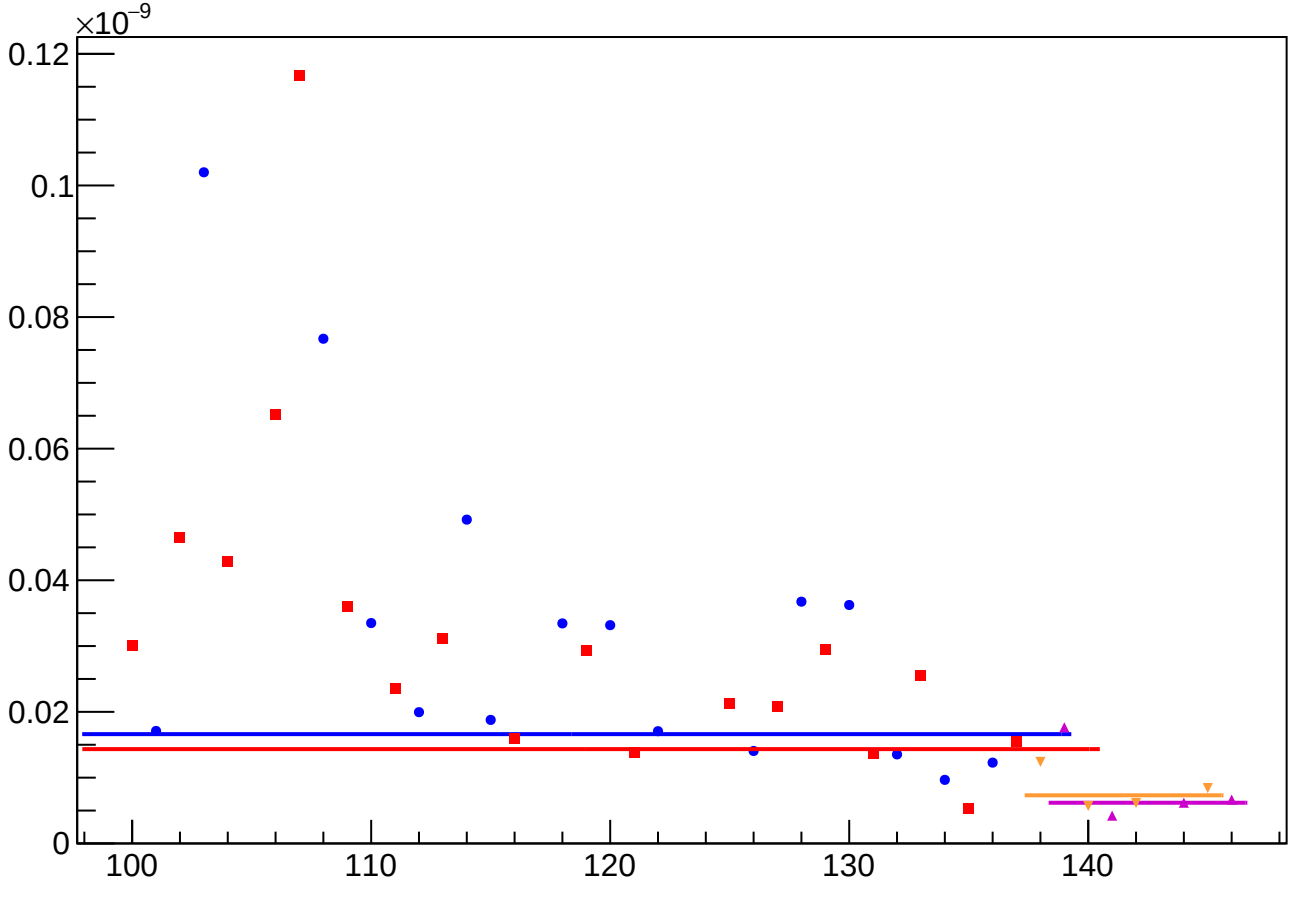
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1327.786+/-0.292 χ^2/NDF:855062.1/19

Out: 1362.010+/-0.310 χ^2/NDF:966321.4/21

All: 1343.892+/-0.212 χ^2/NDF: 1827850.7/41


asym_usl_atl1_dd_reg_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
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:5.2/3
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:1.2/3
Left: 0.000+/-0.000 χ²/NDF: 7.3/7
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:18.2/19
Out: -0.000+/-0.000 χ²/NDF:30.5/21
All: 0.000+/-0.000 χ²/NDF: 51.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:202074.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:546560.2/3

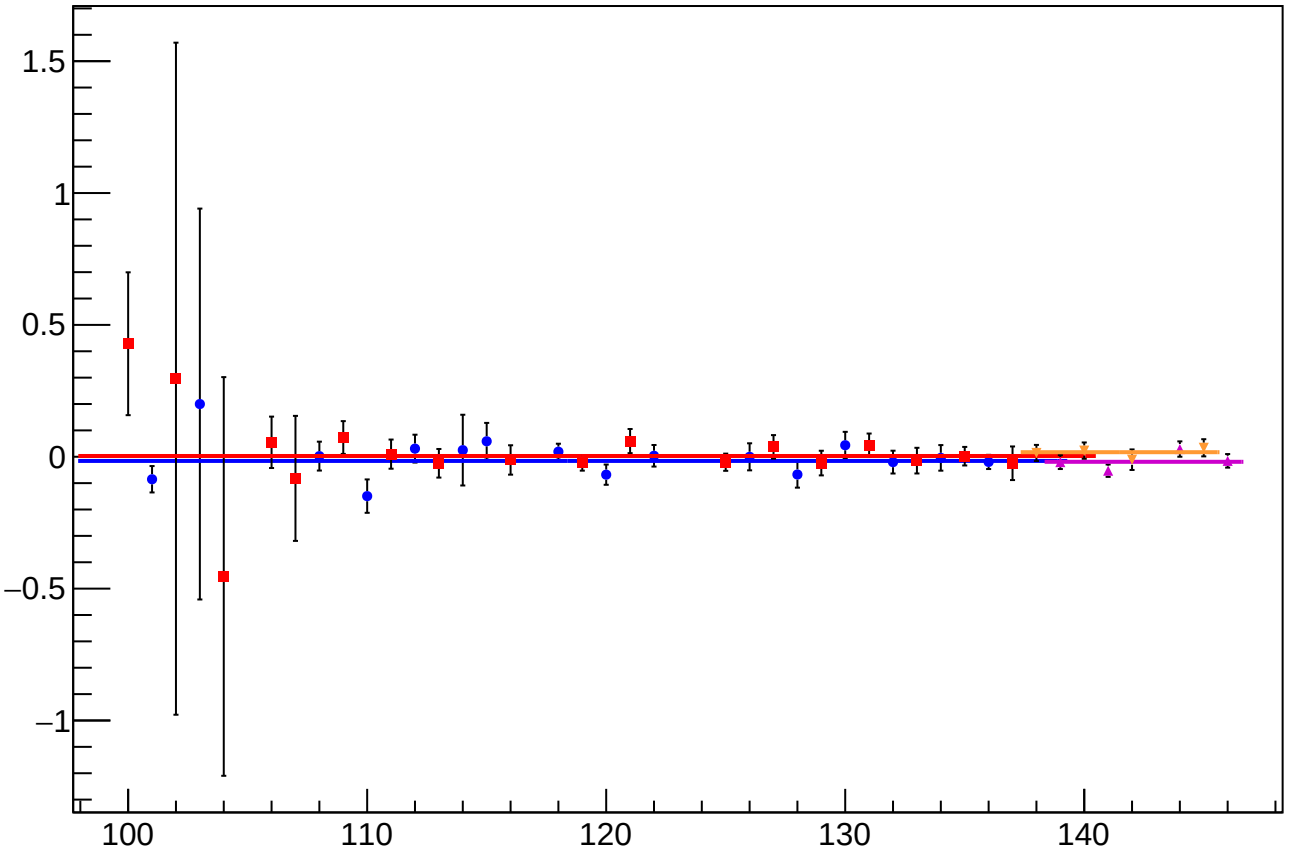
Left: 0.000+/-0.000 χ^2/NDF: 777729.3/7

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3522615.3/19

Out: 0.000+/-0.000 χ^2/NDF:3062495.0/21

All: 0.000+/-0.000 χ^2/NDF: 6607862.1/41



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.017+/-0.016 χ^2/NDF:0.8/3

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.019+/-0.013 χ^2/NDF:4.8/3

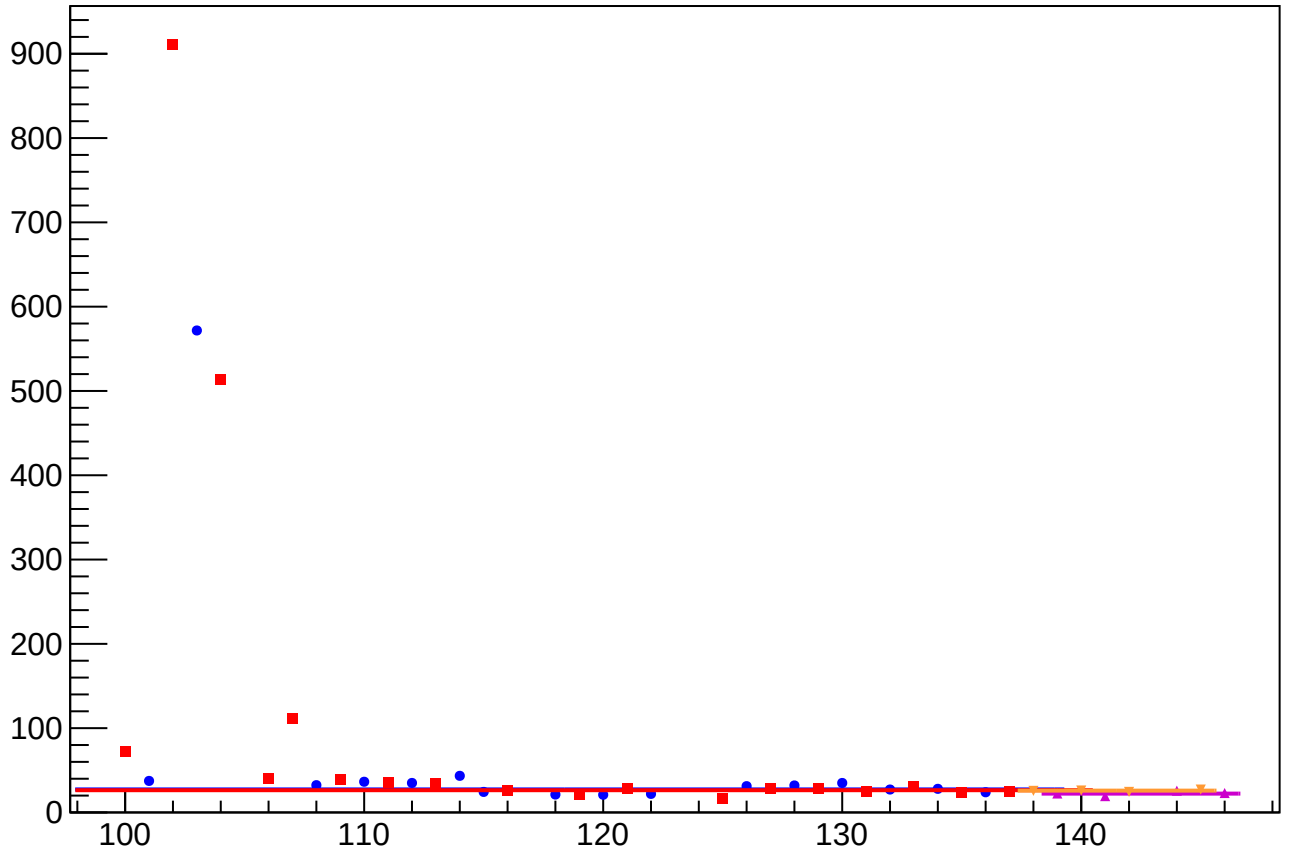
Left: -0.005+/-0.010 χ^2/NDF: 8.7/7

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.017+/-0.009 χ^2/NDF:19.5/19

Out: 0.008+/-0.010 χ^2/NDF:11.2/21

All: -0.006+/-0.006 χ^2/NDF: 34.5/41



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 25.892+/-0.012 χ^2/NDF:6225.7/3

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62193.9/3

Left: 23.713+/-0.007 χ^2/NDF: 125781.5/7

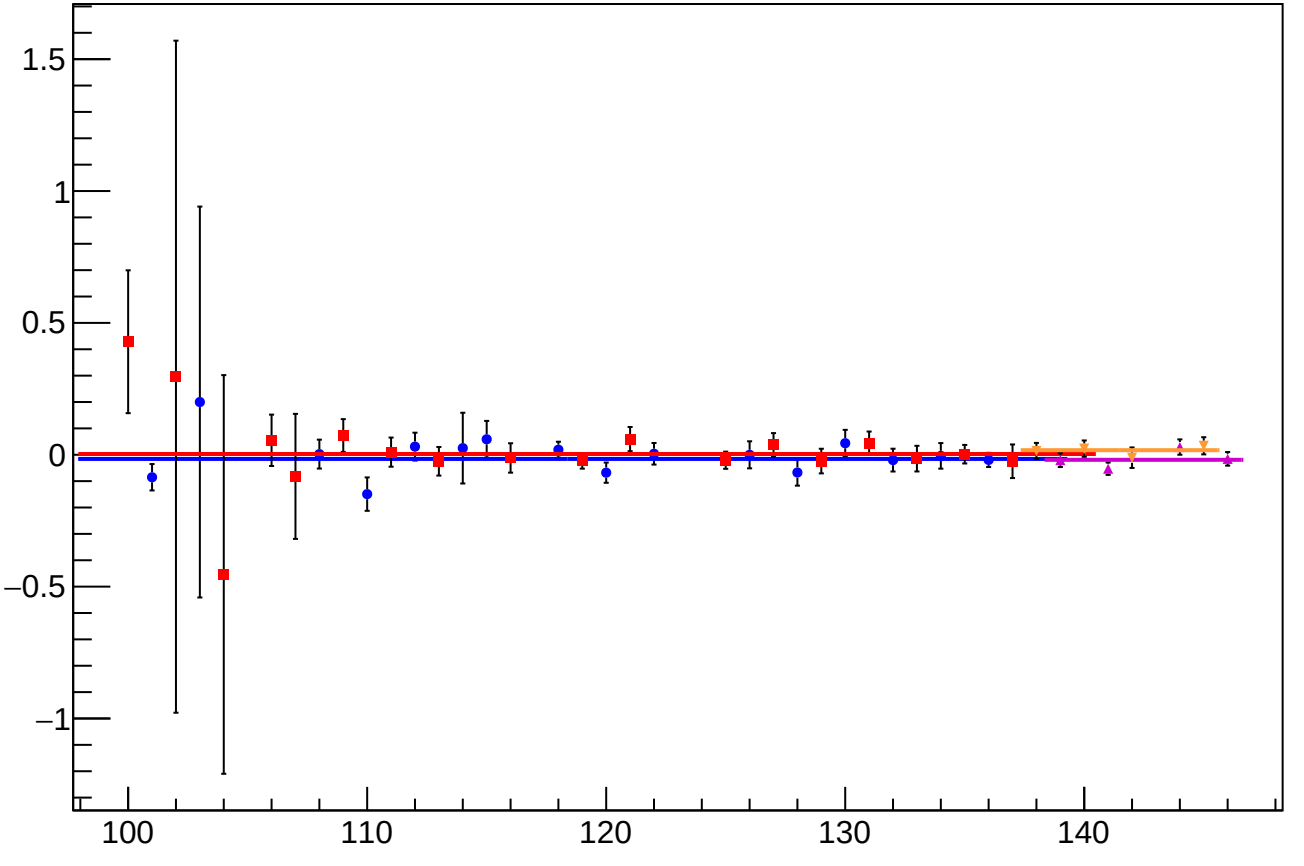
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 25.111+/-0.006 χ^2/NDF:1793207.2/19

Out: 26.223+/-0.007 χ^2/NDF:2622165.3/21

All: 25.602+/-0.005 χ^2/NDF: 4430033.1/41

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: 0.017+/-0.016 χ^2/NDF:0.8/3

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.019+/-0.013 χ^2/NDF:4.8/3

Left: -0.005+/-0.010 χ^2/NDF: 8.7/7

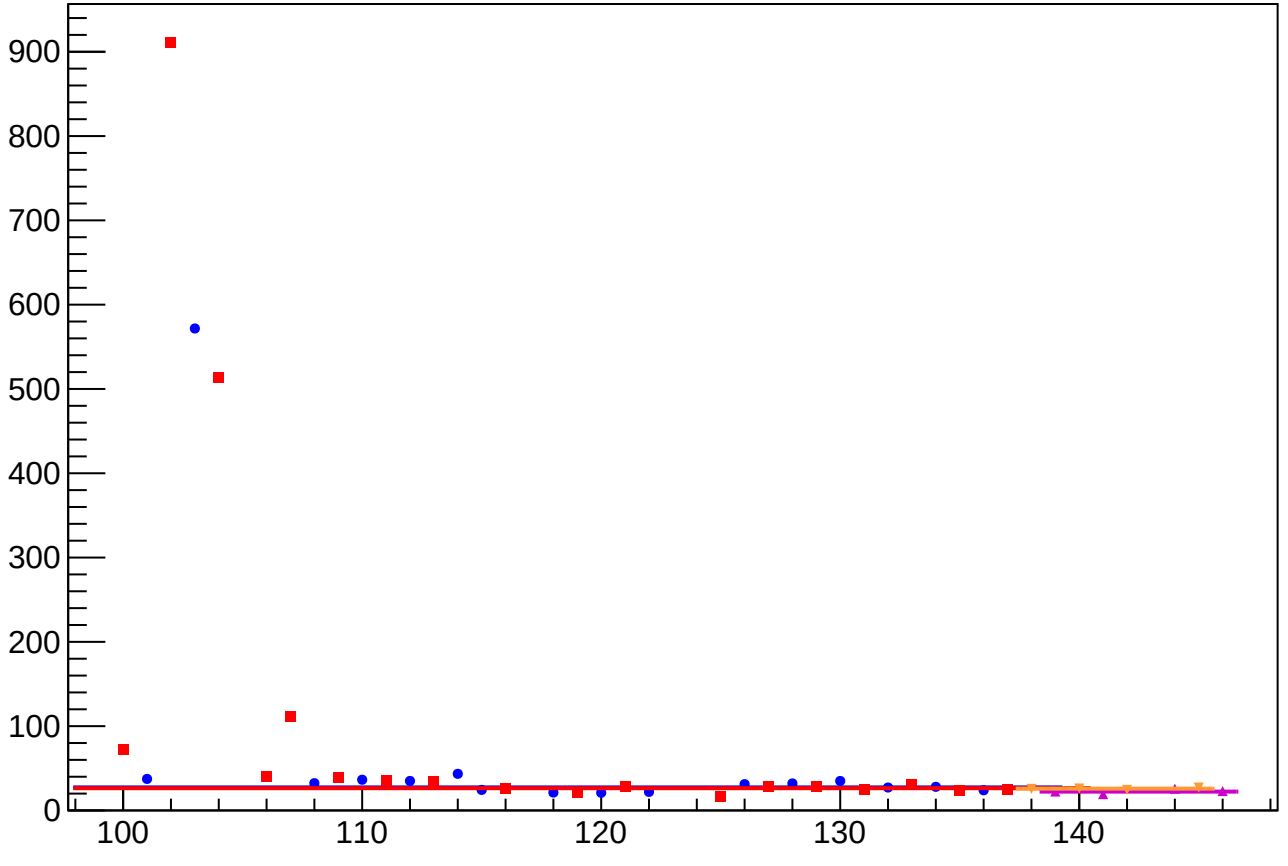
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.017+/-0.009 χ^2/NDF:19.5/19

Out: 0.008+/-0.010 χ^2/NDF:11.2/21

All: -0.006+/-0.006 χ^2/NDF: 34.5/41

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 25.892+/-0.012 χ^2/NDF:6225.7/3

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62193.9/3

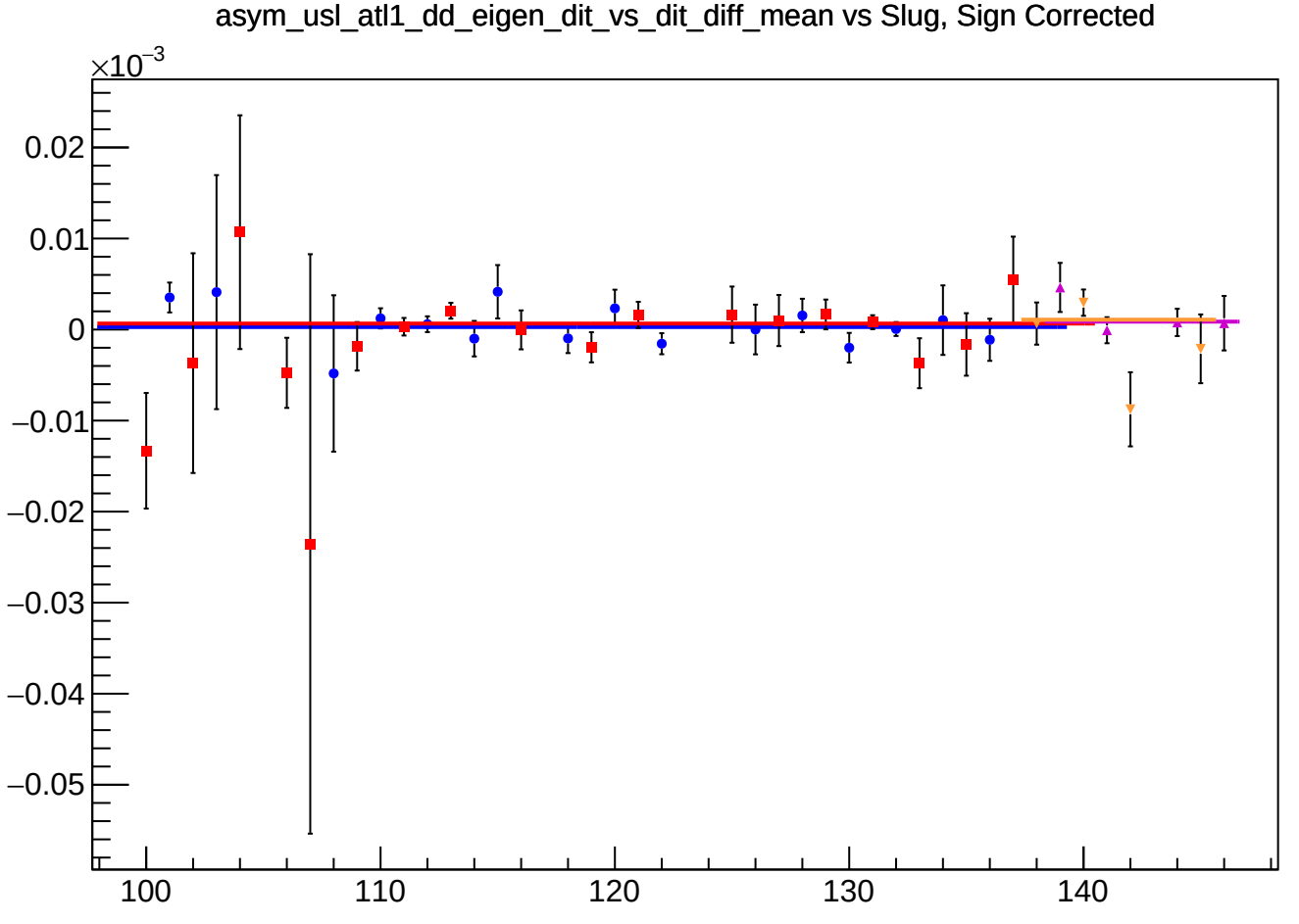
Left: 23.713+/-0.007 χ^2/NDF: 125781.5/7

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 25.111+/-0.006 χ^2/NDF:1793207.2/19

Out: 26.223+/-0.007 χ^2/NDF:2622165.3/21

All: 25.602+/-0.005 χ^2/NDF: 4430033.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2.4/3

Left: 0.000+/-0.000 χ^2/NDF: 10.7/7

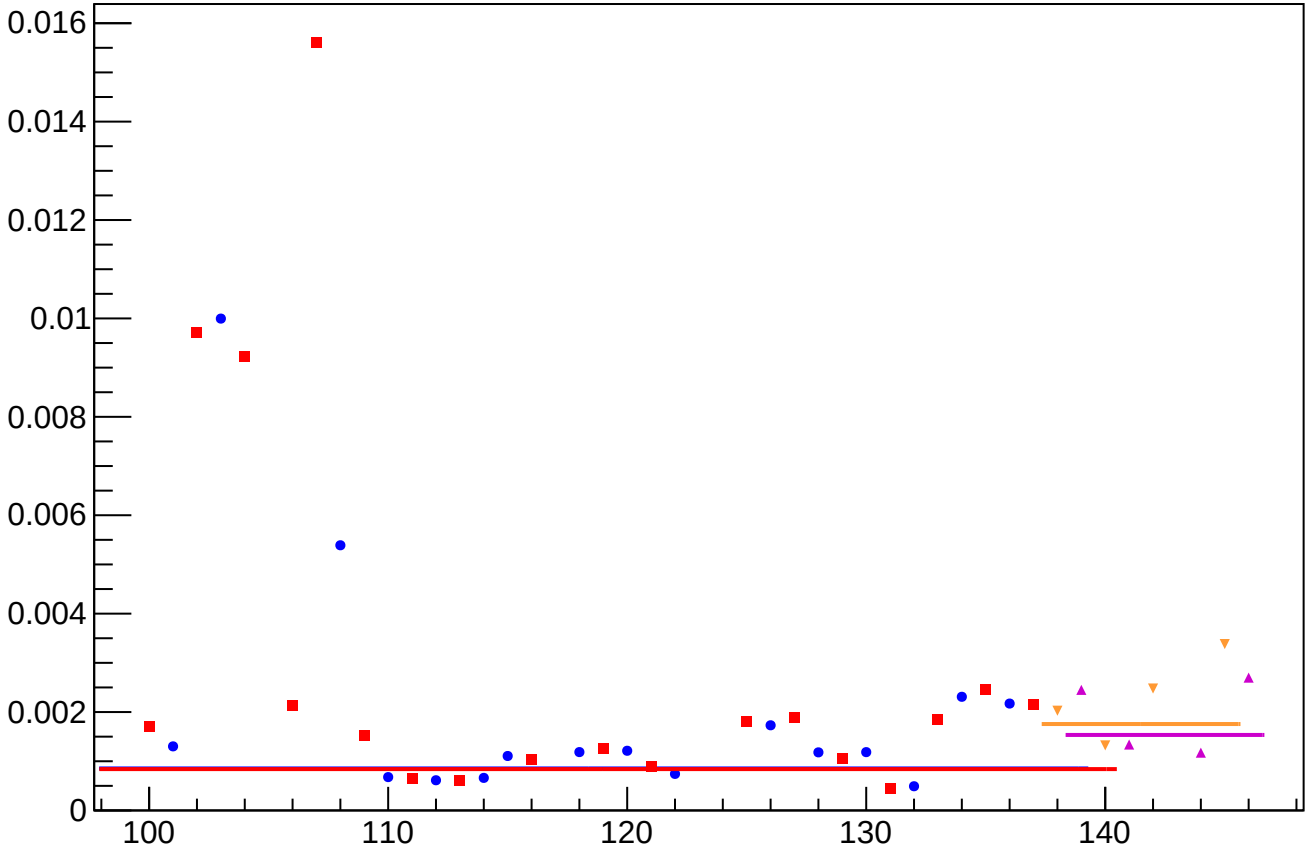
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:17.2/19

Out: 0.000+/-0.000 χ^2/NDF:27.7/21

All: 0.000+/-0.000 χ^2/NDF: 45.3/41

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:640394.4/3

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:686313.9/3

Left: 0.002+/-0.000 χ^2/NDF: 1373516.8/7

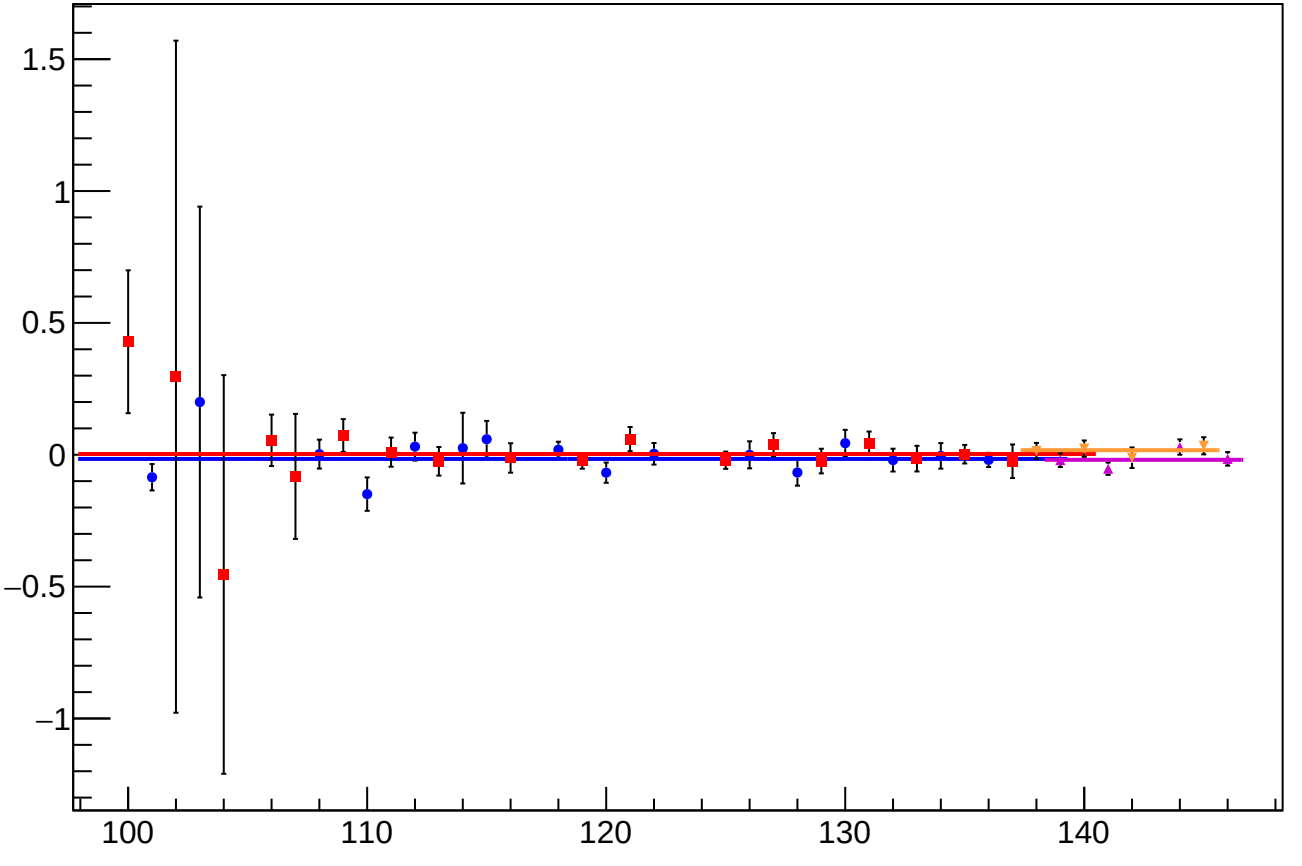
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:5491848.9/19

Out: 0.001+/-0.000 χ^2/NDF:6863469.4/21

All: 0.001+/-0.000 χ^2/NDF: 12355766.6/41

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: 0.017+/-0.016 χ^2/NDF:0.8/3

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.019+/-0.013 χ^2/NDF:4.8/3

Left: -0.005+/-0.010 χ^2/NDF: 8.7/7

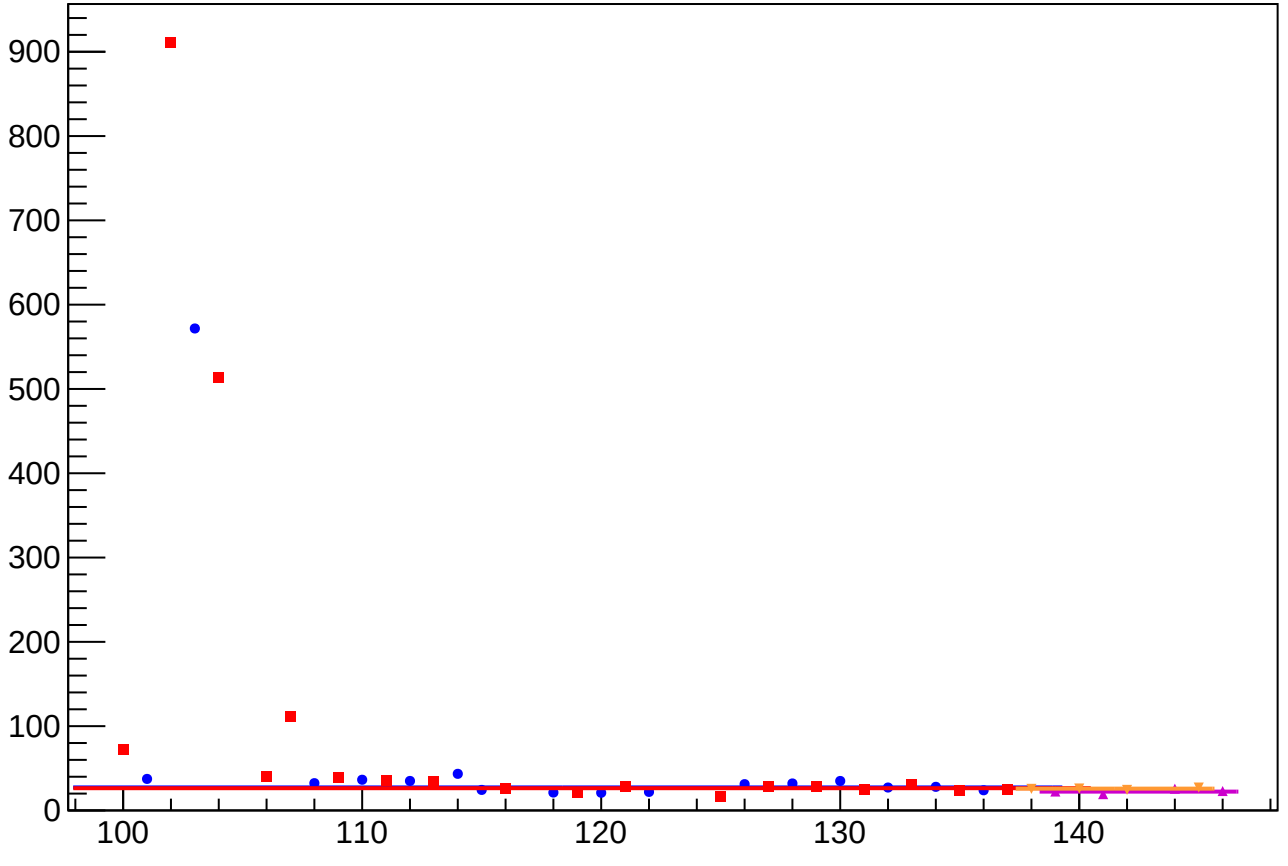
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.017+/-0.009 χ^2/NDF:19.5/19

Out: 0.008+/-0.010 χ^2/NDF:11.2/21

All: -0.006+/-0.006 χ^2/NDF: 34.5/41

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 25.892+/-0.012 χ^2/NDF:6222.1/3

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62206.5/3

Left: 23.712+/-0.007 χ^2/NDF: 125792.6/7

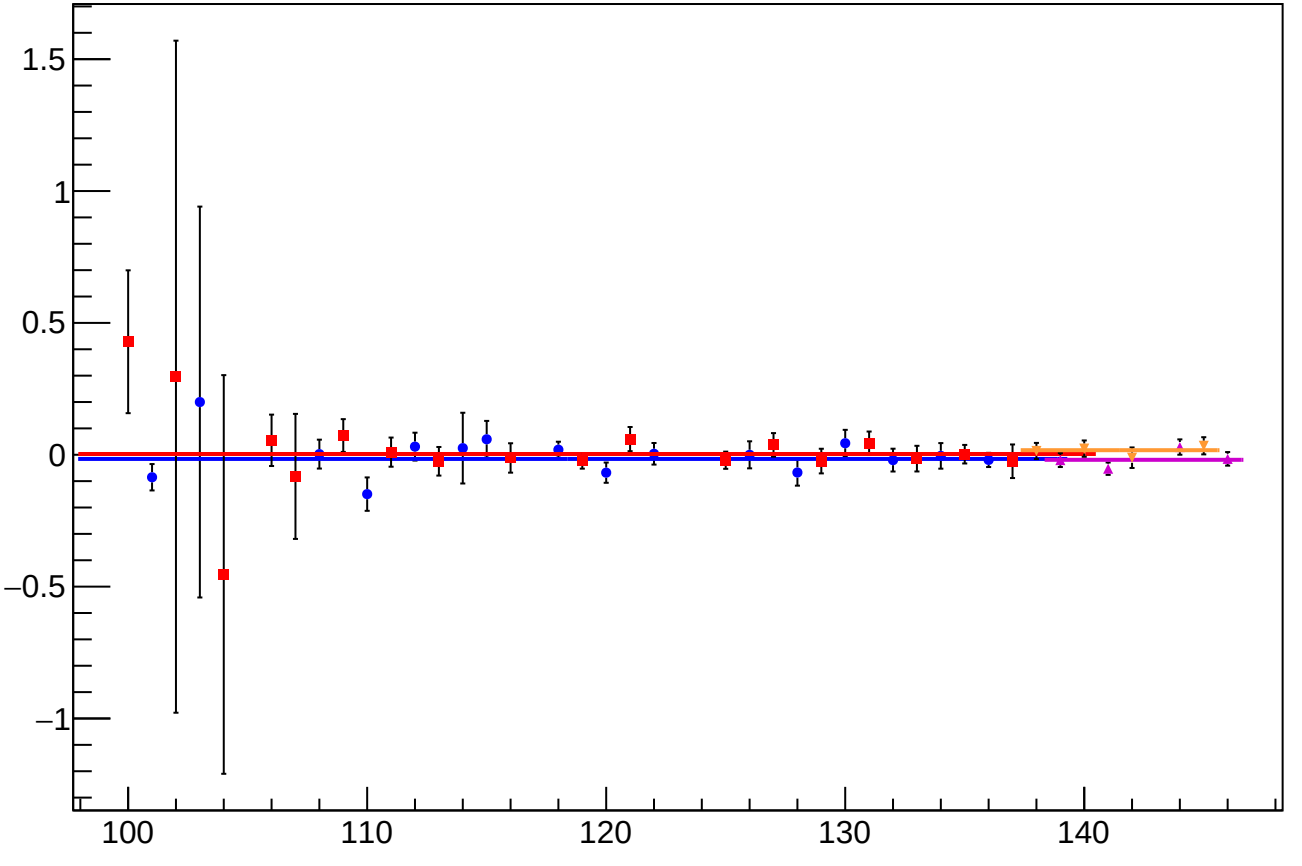
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 25.111+/-0.006 χ^2/NDF:1793238.2/19

Out: 26.222+/-0.007 χ^2/NDF:2622182.0/21

All: 25.602+/-0.005 χ^2/NDF: 4430082.5/41

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: 0.017+/-0.016 χ^2/NDF:0.8/3

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.019+/-0.013 χ^2/NDF:4.8/3

Left: -0.005+/-0.010 χ^2/NDF: 8.7/7

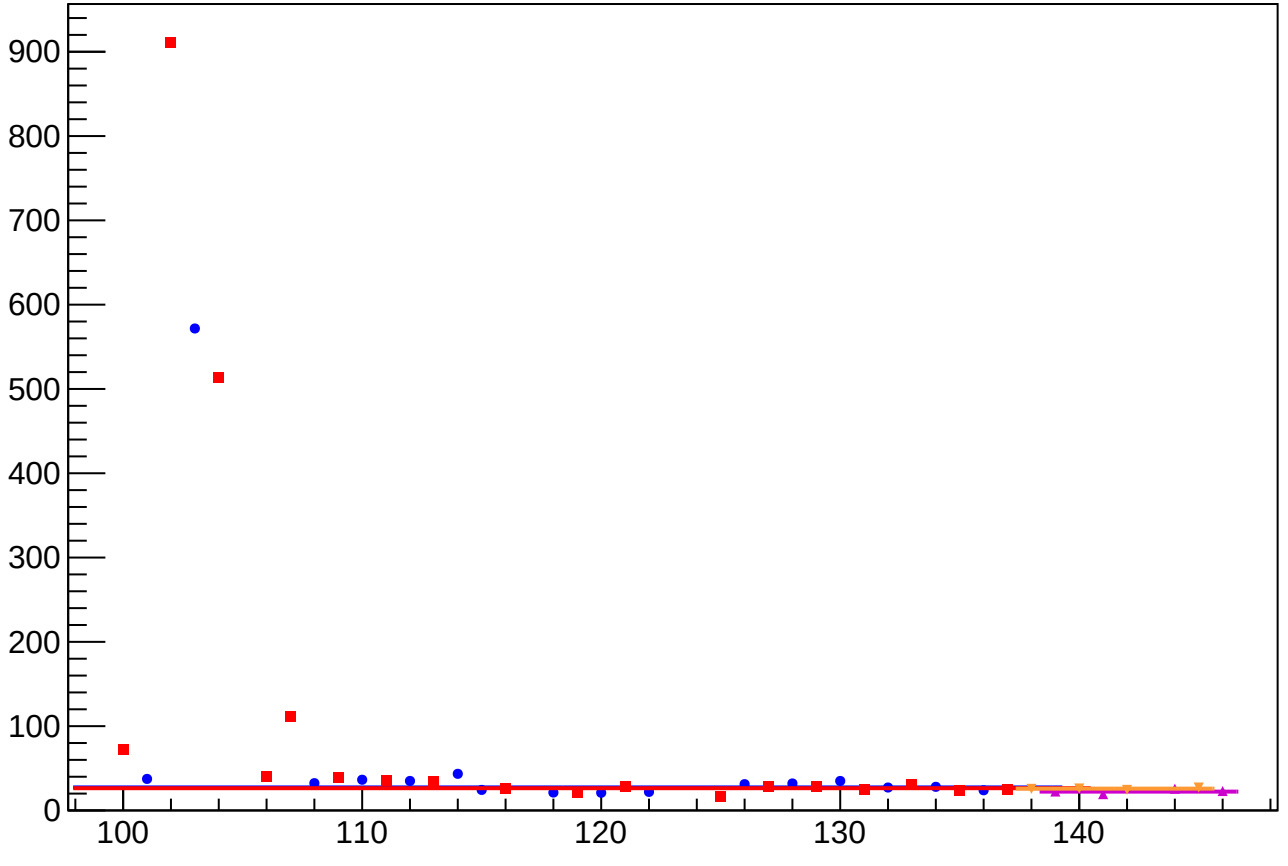
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.017+/-0.009 χ^2/NDF:19.5/19

Out: 0.008+/-0.010 χ^2/NDF:11.2/21

All: -0.006+/-0.006 χ^2/NDF: 34.5/41

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 25.892+/-0.012 χ^2/NDF:6222.1/3

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62206.5/3

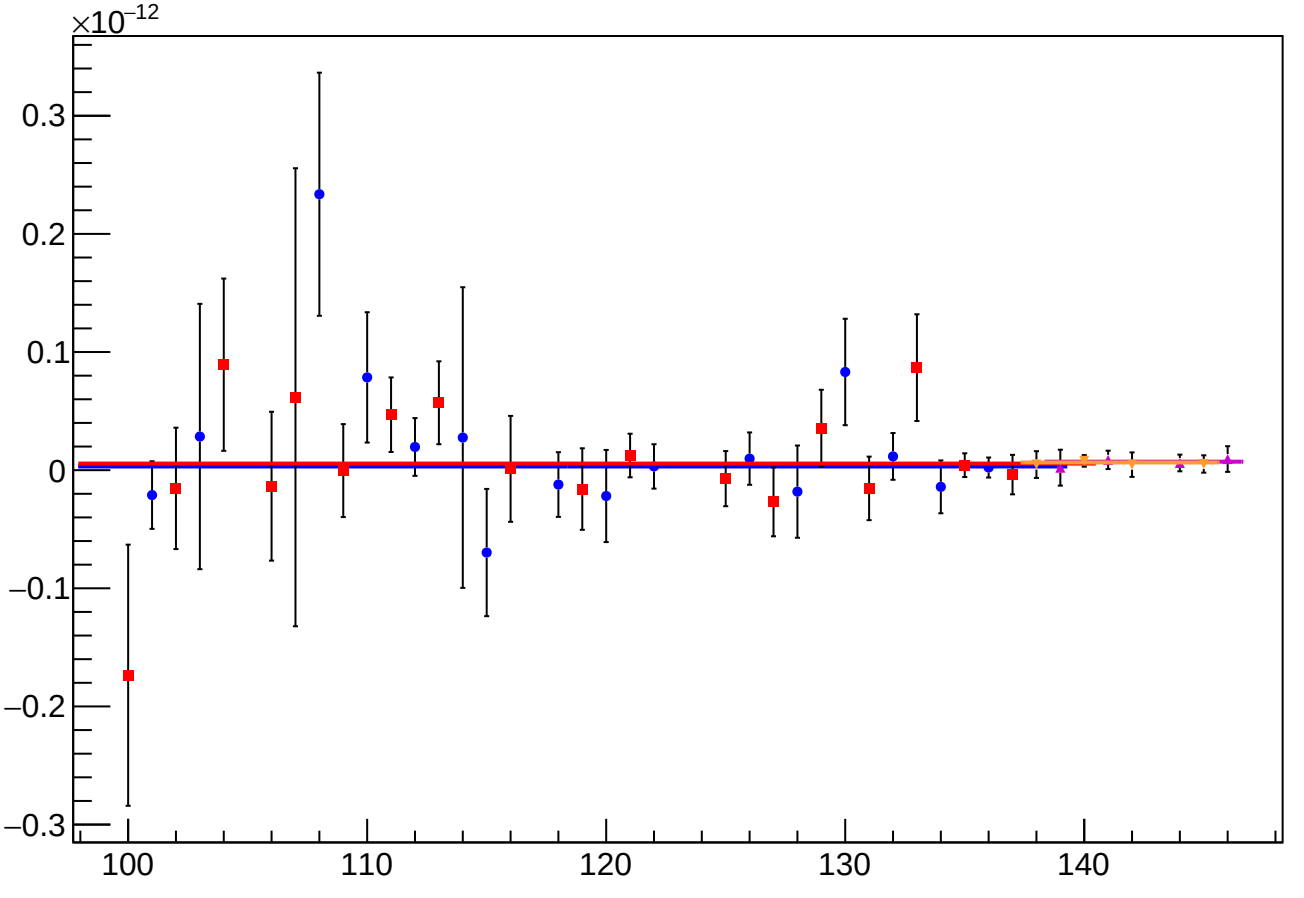
Left: 23.712+/-0.007 χ^2/NDF: 125792.6/7

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 25.111+/-0.006 χ^2/NDF:1793238.2/19

Out: 26.222+/-0.007 χ^2/NDF:2622182.0/21

All: 25.602+/-0.005 χ^2/NDF: 4430082.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.2/3

Left: 0.000+/-0.000 χ^2/NDF: 0.4/7

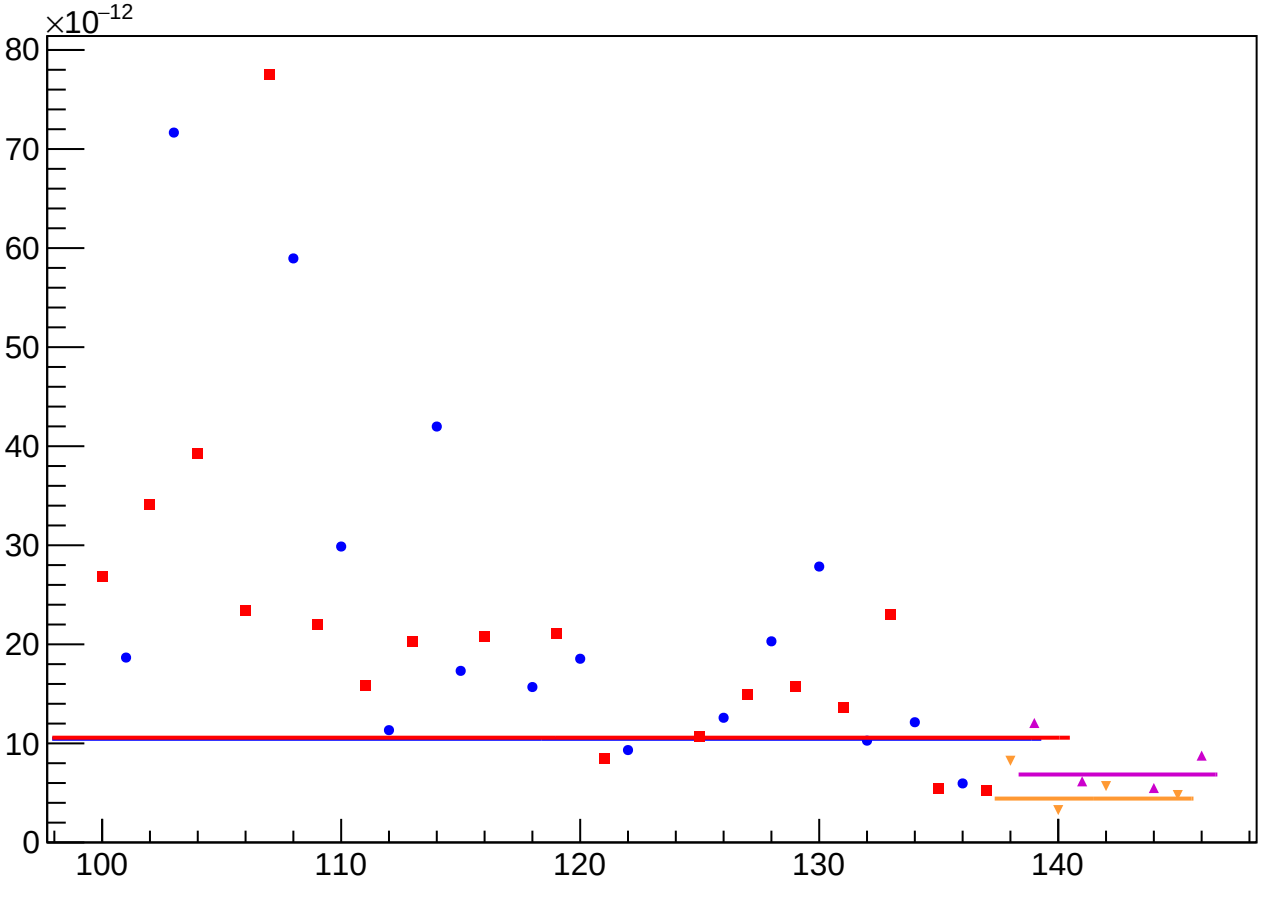
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:15.6/19

Out: 0.000+/-0.000 χ^2/NDF:15.5/21

All: 0.000+/-0.000 χ^2/NDF: 31.0/41

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:373696.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:385814.3/3

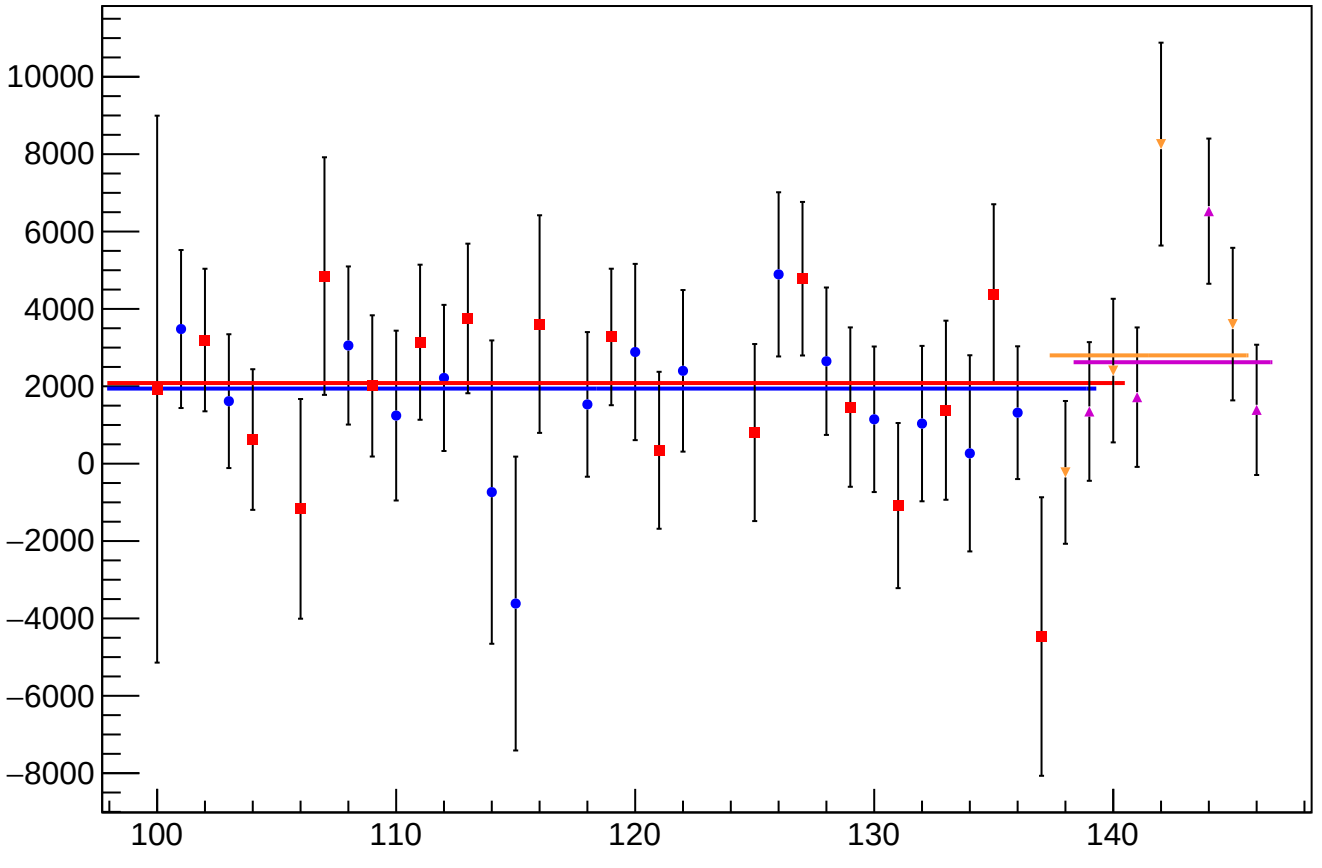
Left: 0.000+/-0.000 χ^2/NDF: 1114628.6/7

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:3668968.6/19

Out: 0.000+/-0.000 χ^2/NDF:4655545.0/21

All: 0.000+/-0.000 χ^2/NDF: 8763489.1/41



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2799.241+/-1006.742 χ^2/NDF:7.2/3

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2622.252+/-892.266 χ^2/NDF:5.6/3

Left: 2700.116+/-667.749 χ^2/NDF: 12.9/7

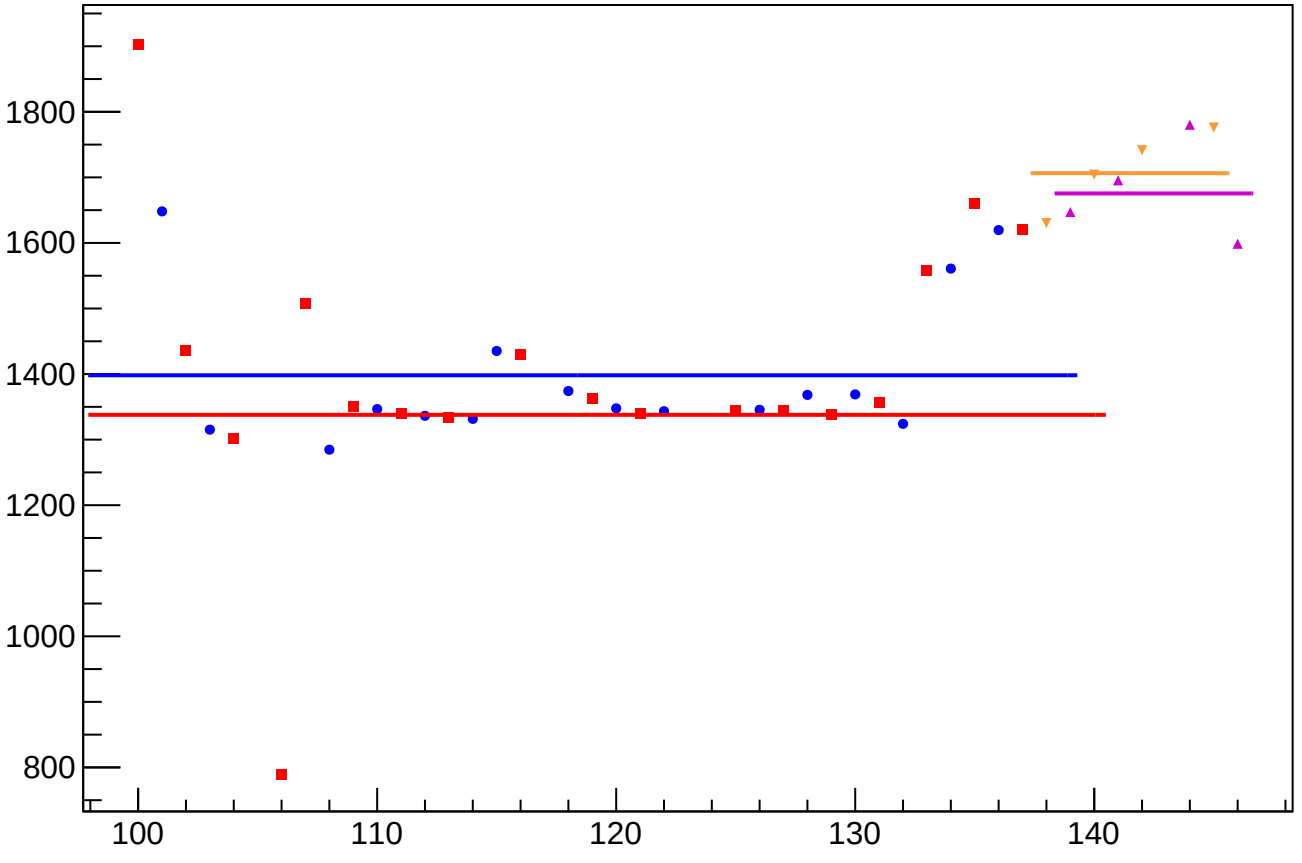
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2114.778+/-450.672 χ^2/NDF:13.0/19

Out: 2234.403+/-461.717 χ^2/NDF:22.1/21

All: 2173.143+/-322.507 χ^2/NDF: 35.1/41

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1706.450+/-0.712 χ^2/NDF:6259.4/3

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

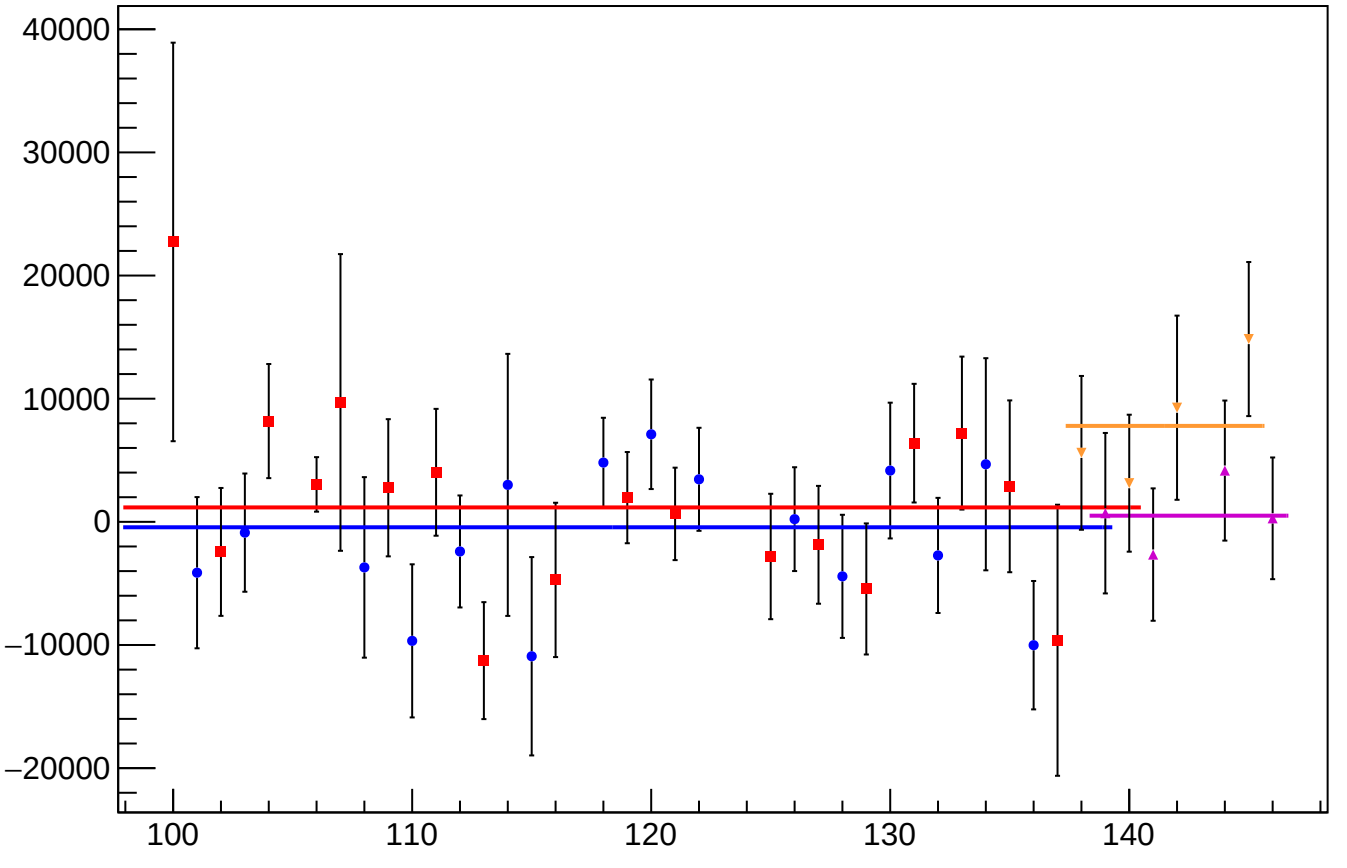
Left: 1689.139+/-0.472 χ^2/NDF: 18450.5/7

Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1468.924+/-0.319 χ^2/NDF:249032.6/19

Out: 1411.535+/-0.318 χ^2/NDF:538549.6/21

All: 1440.199+/-0.225 χ^2/NDF: 803814.9/41



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 7791.210+/-3140.141 χ^2/NDF:2.1/3

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 500.095+/-2772.993 χ^2/NDF:0.8/3

Left: 3694.684+/-2078.546 χ^2/NDF: 5.9/7

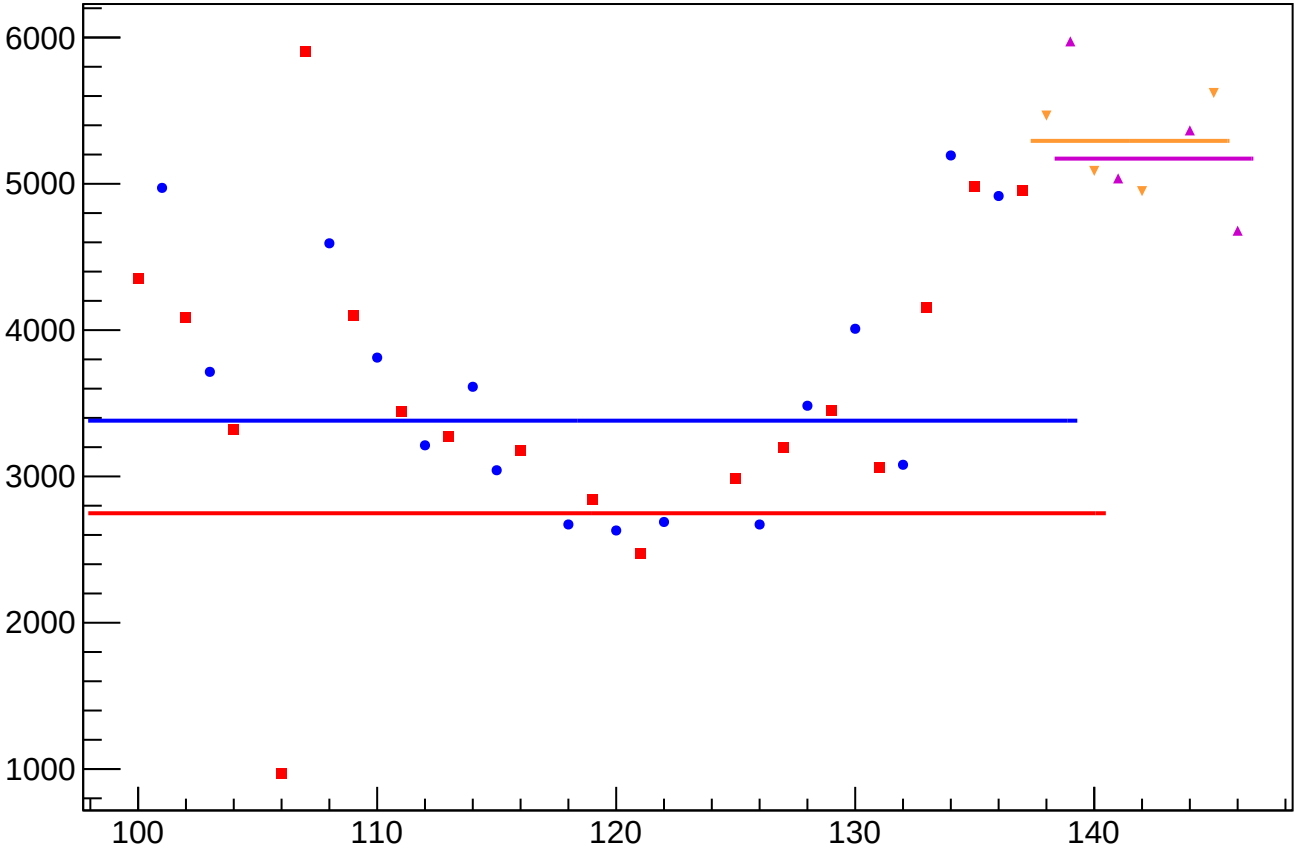
Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -272.419+/-1174.037 χ^2/NDF:16.8/19

Out: 1918.497+/-1054.816 χ^2/NDF:25.7/21

All: 939.896+/-784.642 χ^2/NDF: 44.4/41

asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5293.510+/-2.220 χ^2/NDF:13960.3/3

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5172.201+/-1.961 χ^2/NDF:53716.5/3

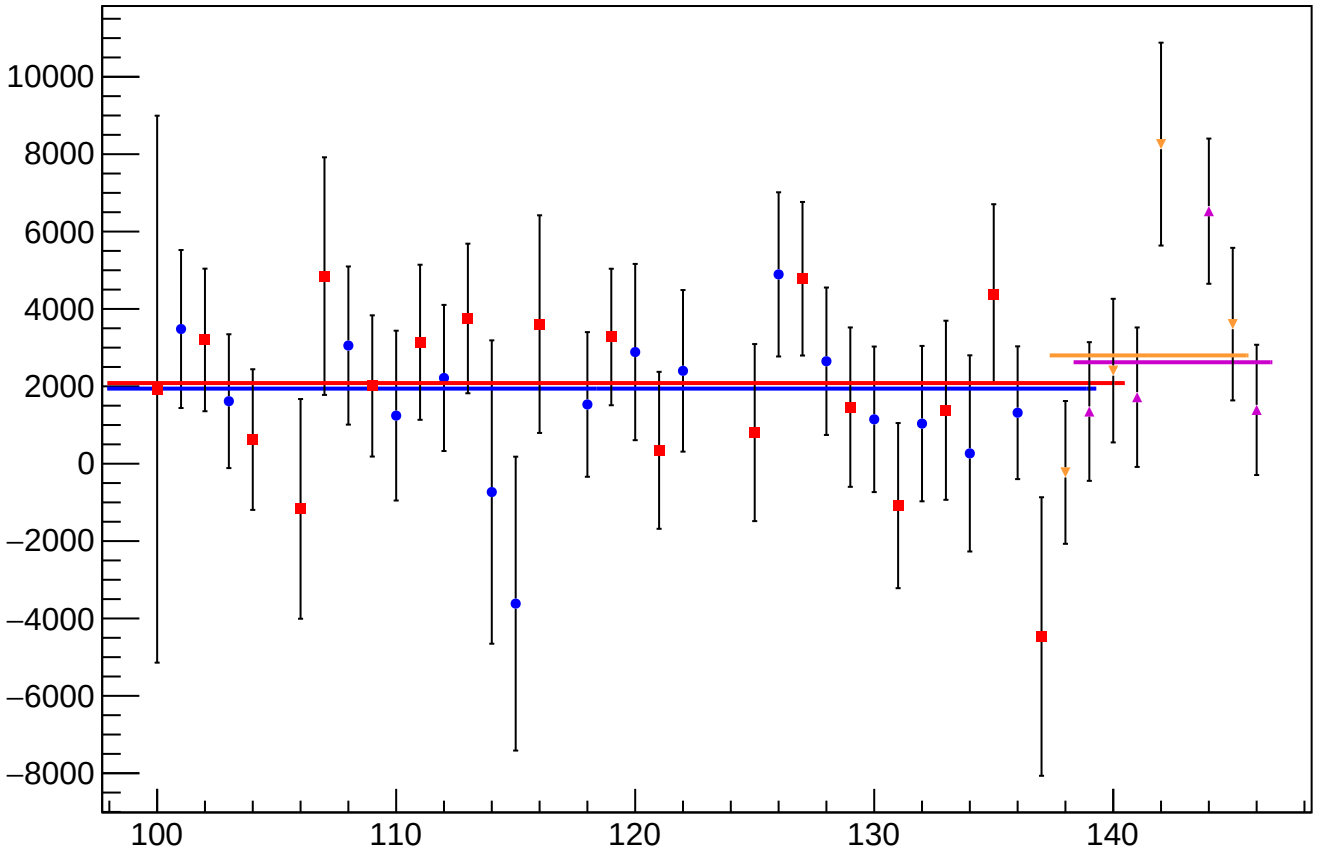
Left: 5225.353+/-1.470 χ^2/NDF: 69353.8/7

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3702.174+/-0.830 χ^2/NDF:1495679.0/19

Out: 3035.560+/-0.746 χ^2/NDF:3444145.0/21

All: 3333.312+/-0.555 χ^2/NDF: 5296607.6/41



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2799.448+/-1006.742 χ^2/NDF:7.2/3

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2622.296+/-892.266 χ^2/NDF:5.6/3

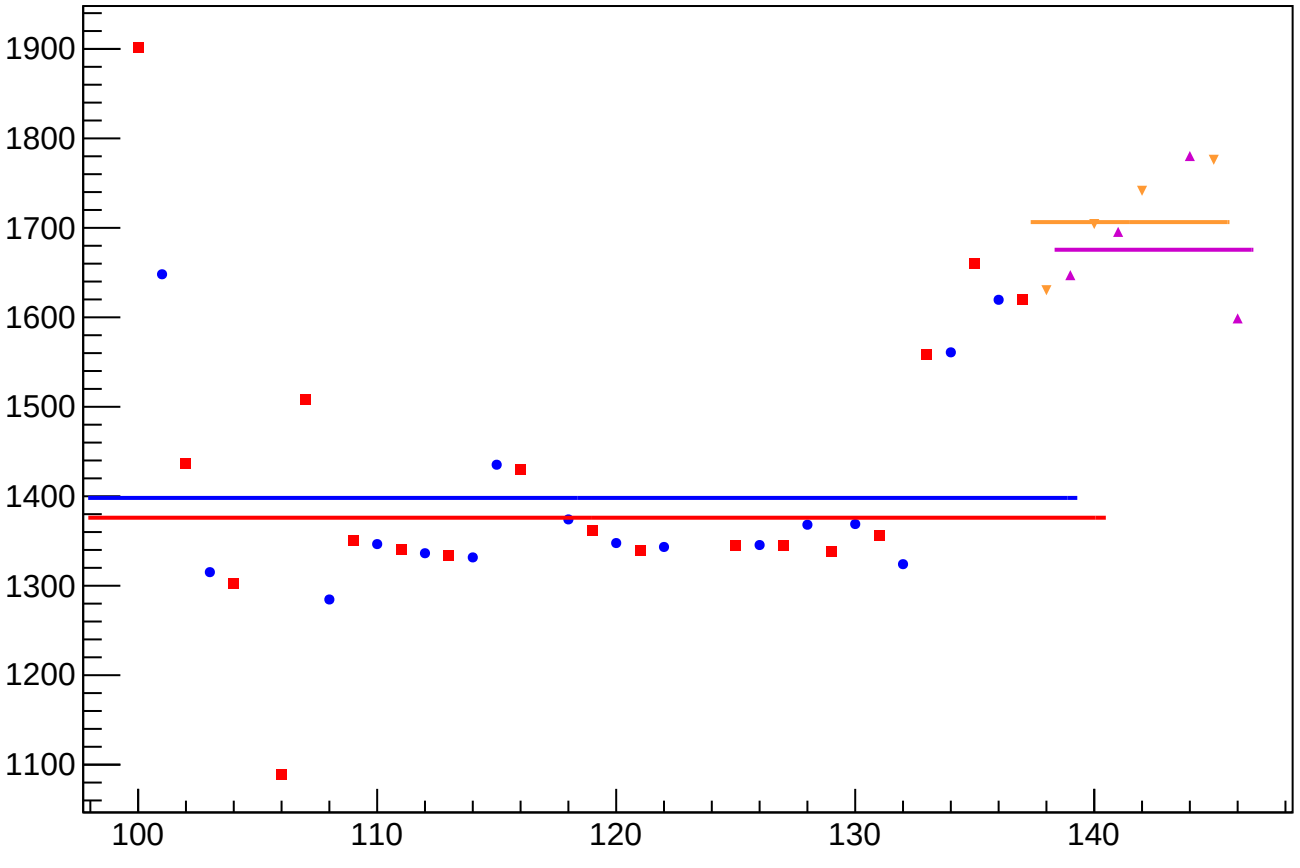
Left: 2700.232+/-667.749 χ^2/NDF: 12.9/7

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2114.831+/-450.672 χ^2/NDF:13.0/19

Out: 2234.618+/-461.720 χ^2/NDF:22.1/21

All: 2173.274+/-322.508 χ^2/NDF: 35.1/41



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1706.450+/-0.712 χ^2/NDF:6259.4/3

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

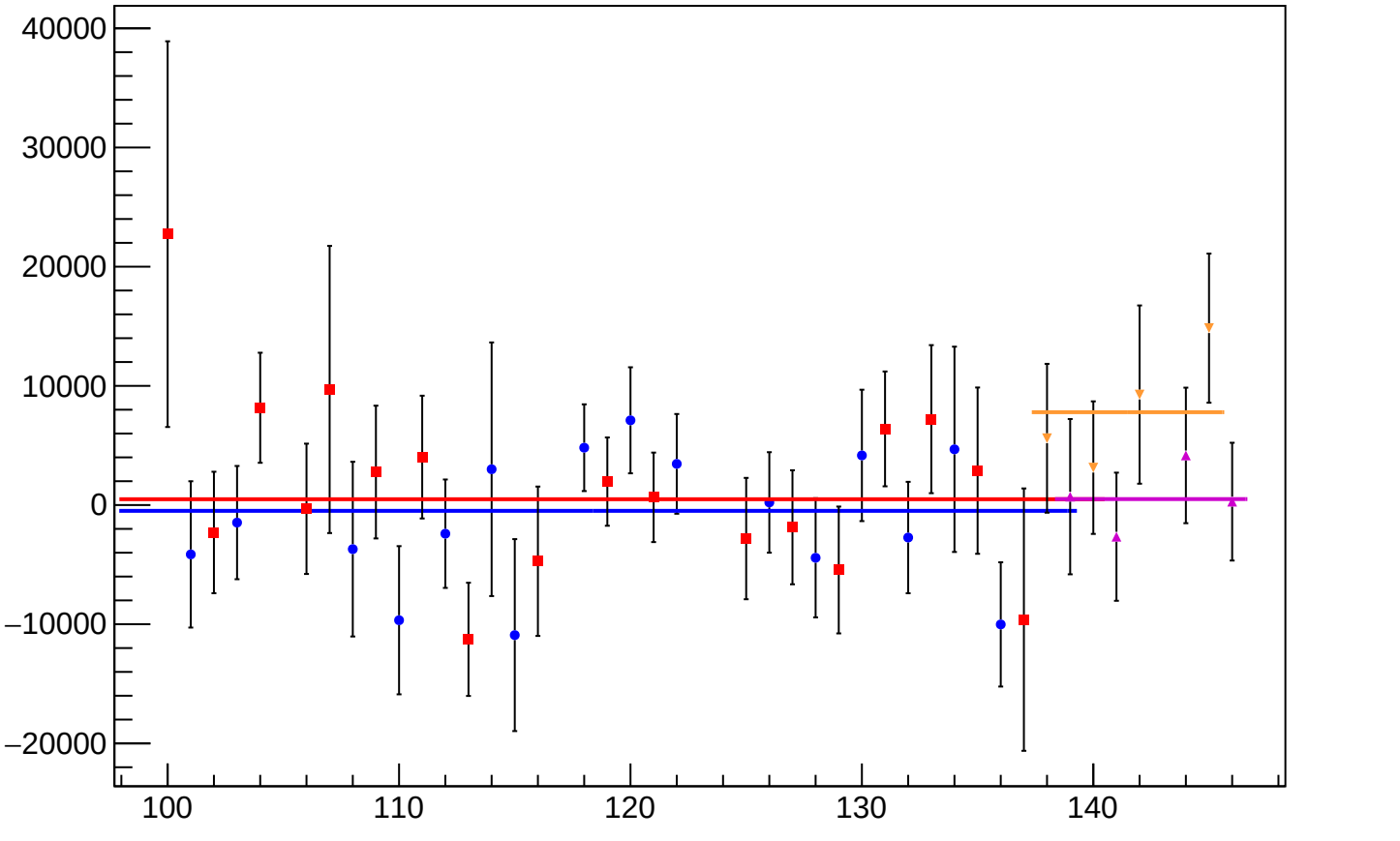
Left: 1689.139+/-0.472 χ^2/NDF: 18450.5/7

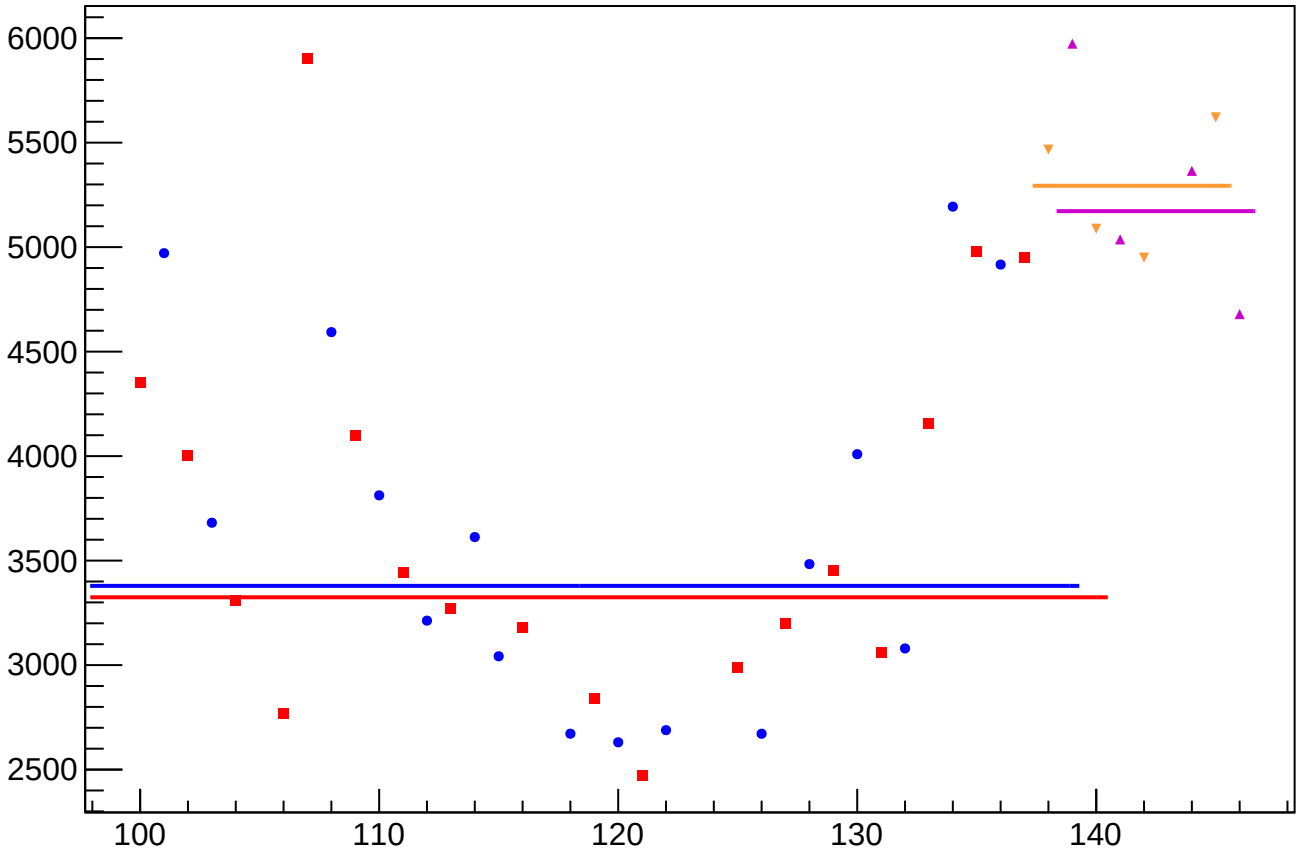
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1468.924+/-0.319 χ^2/NDF:249032.7/19

Out: 1444.066+/-0.323 χ^2/NDF:291376.9/21

All: 1456.664+/-0.227 χ^2/NDF: 543410.5/41


asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
Right In: -486.563+/-1294.930 χ²/NDF: 15.9/15
Left Out: 7791.390+/-3140.143 χ²/NDF:2.1/3
Right Out: 488.594+/-1261.315 χ²/NDF: 18.7/17
Left In: 500.073+/-2772.989 χ²/NDF:0.8/3
Left: 3694.744+/-2078.545 χ²/NDF: 5.9/7
Right: 13.837+/-903.535 χ²/NDF: 35.0/33
In: -309.926+/-1173.303 χ²/NDF:16.8/19
Out: 1503.153+/-1170.425 χ²/NDF:25.5/21
All: 598.840+/-828.631 χ²/NDF: 43.5/41



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5293.513+/-2.220 χ^2/NDF:13959.3/3

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5172.193+/-1.961 χ^2/NDF:53717.6/3

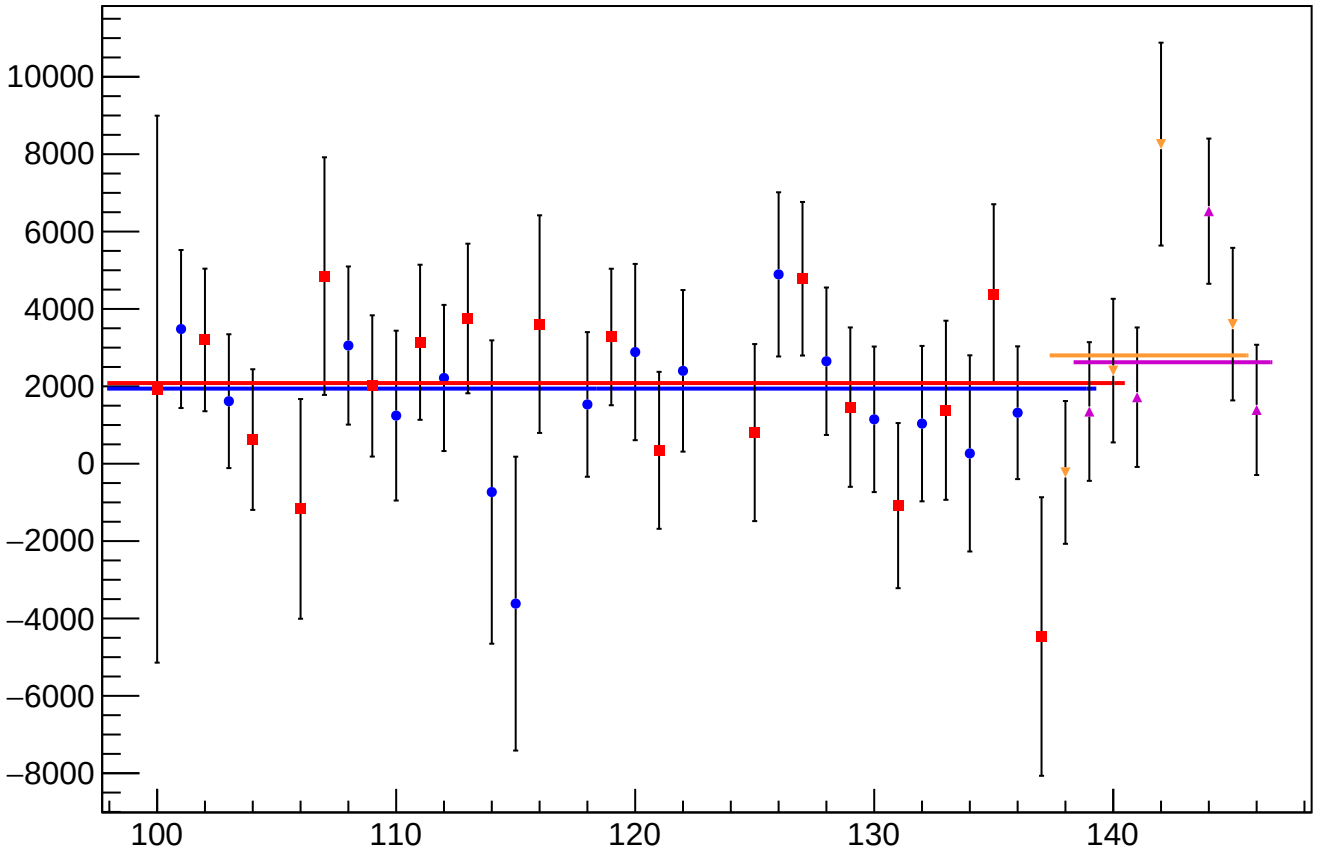
Left: 5225.349+/-1.470 χ^2/NDF: 69354.2/7

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3700.125+/-0.830 χ^2/NDF:1495591.5/19

Out: 3598.007+/-0.828 χ^2/NDF:1234931.6/21

All: 3648.940+/-0.586 χ^2/NDF: 2738116.8/41



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 2799.448+/-1006.742 χ^2/NDF:7.2/3

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2622.296+/-892.266 χ^2/NDF:5.6/3

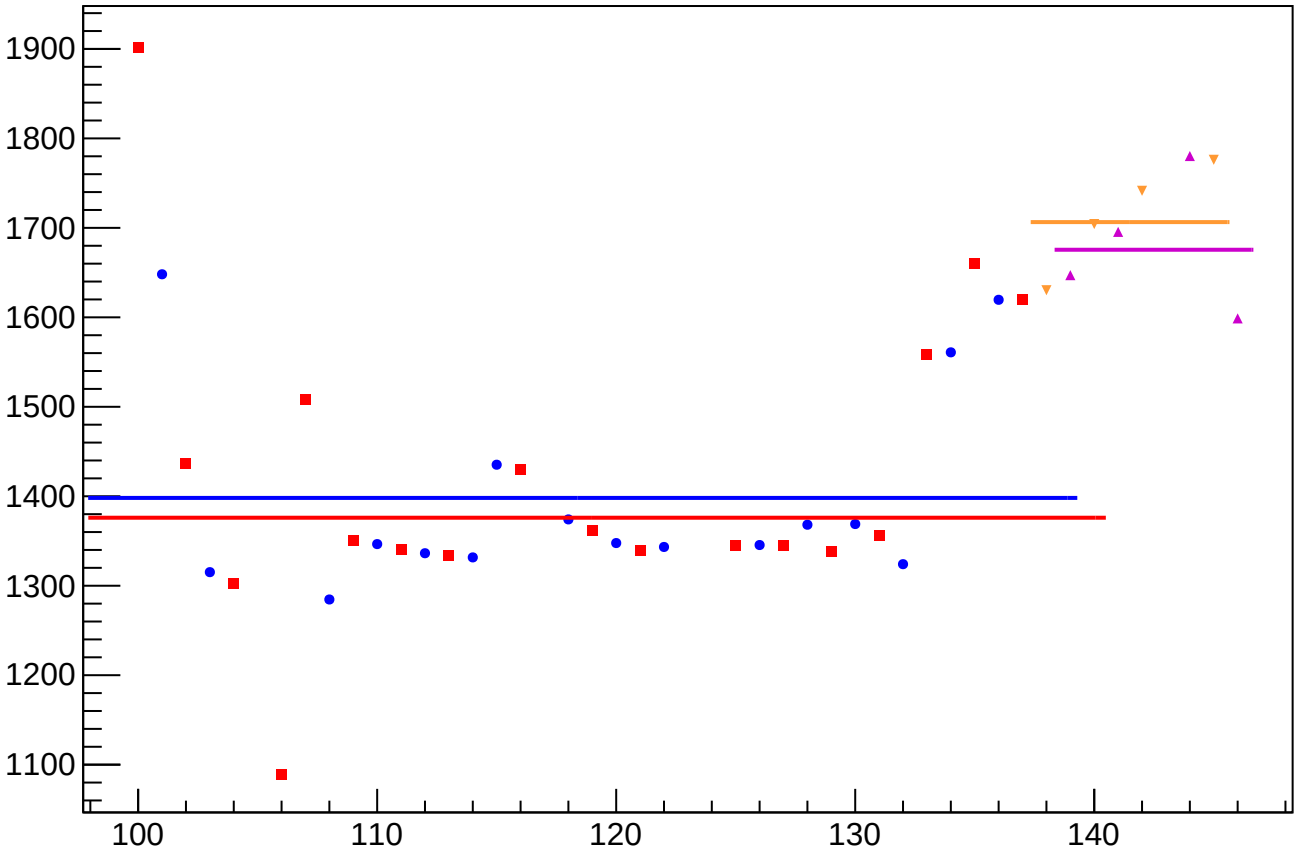
Left: 2700.232+/-667.749 χ^2/NDF: 12.9/7

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2114.831+/-450.672 χ^2/NDF:13.0/19

Out: 2234.618+/-461.720 χ^2/NDF:22.1/21

All: 2173.274+/-322.508 χ^2/NDF: 35.1/41



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1706.450+/-0.712 χ^2/NDF:6259.4/3

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

Left: 1689.139+/-0.472 χ^2/NDF: 18450.5/7

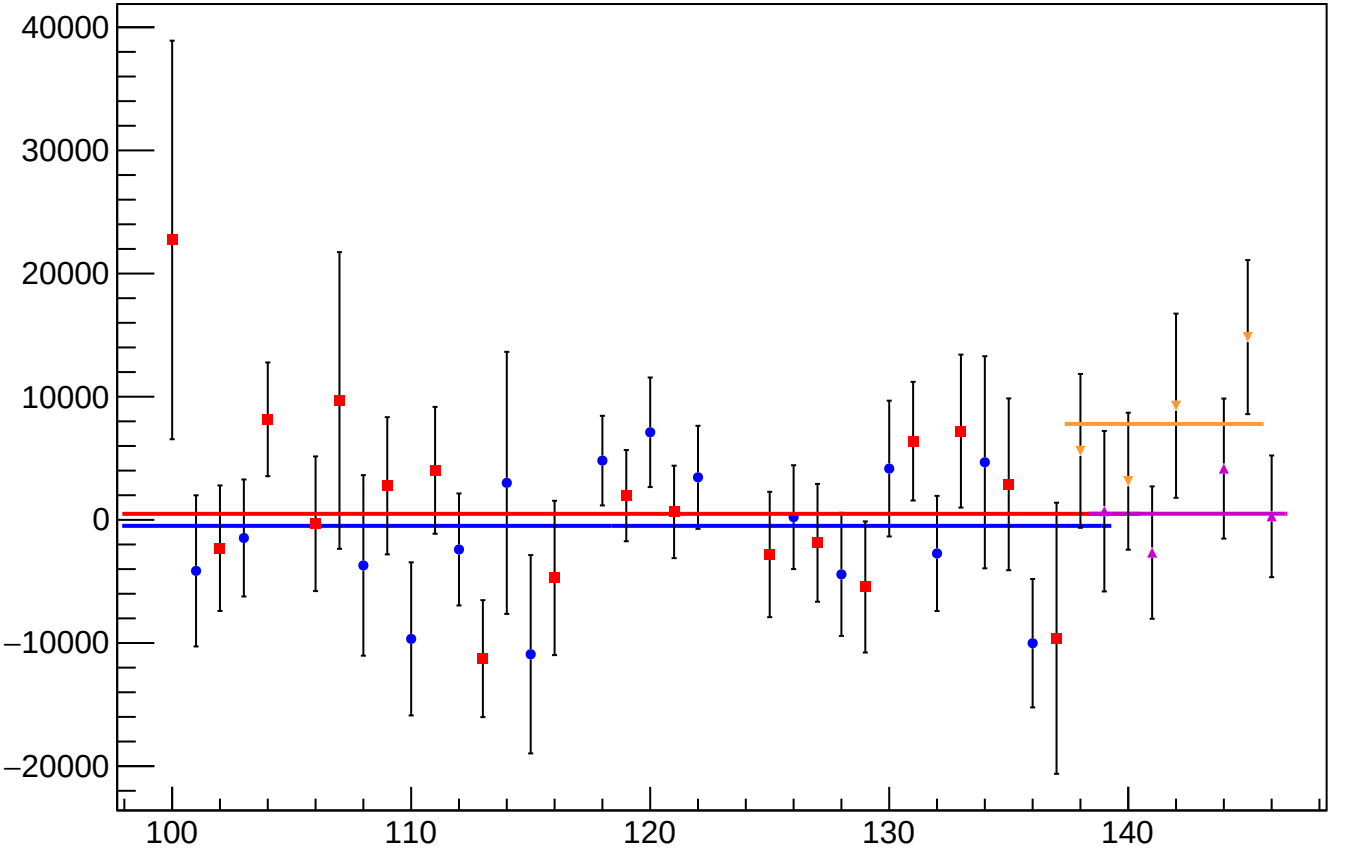
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1468.924+/-0.319 χ^2/NDF:249032.7/19

Out: 1444.066+/-0.323 χ^2/NDF:291376.9/21

All: 1456.664+/-0.227 χ^2/NDF: 543410.5/41

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 7791.390+/-3140.143 χ^2/NDF:2.1/3

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 500.073+/-2772.989 χ^2/NDF:0.8/3

Left: 3694.744+/-2078.545 χ^2/NDF: 5.9/7

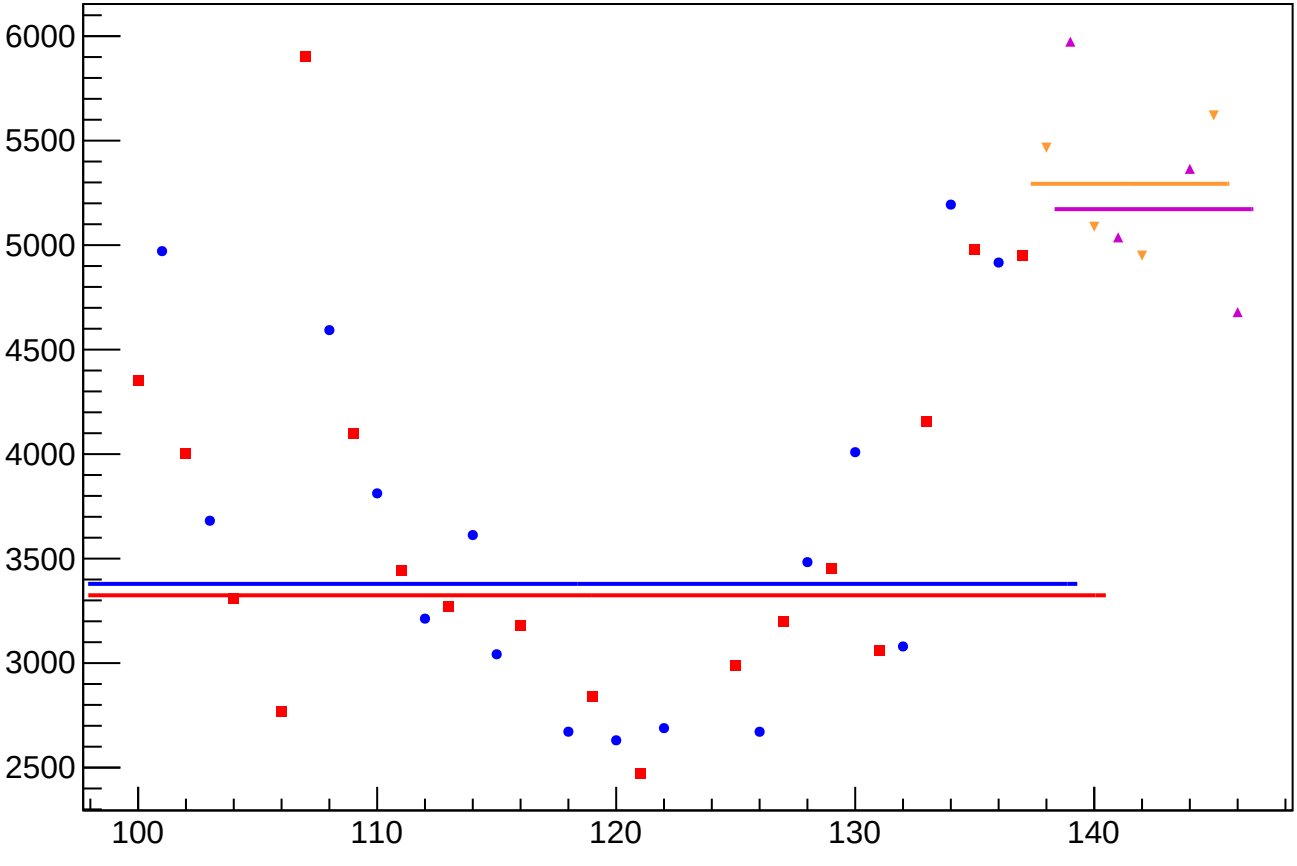
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -309.926+/-1173.303 χ^2/NDF:16.8/19

Out: 1503.153+/-1170.425 χ^2/NDF:25.5/21

All: 598.840+/-828.631 χ^2/NDF: 43.5/41

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5293.513+/-2.220 χ^2/NDF:13959.3/3

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5172.193+/-1.961 χ^2/NDF:53717.6/3

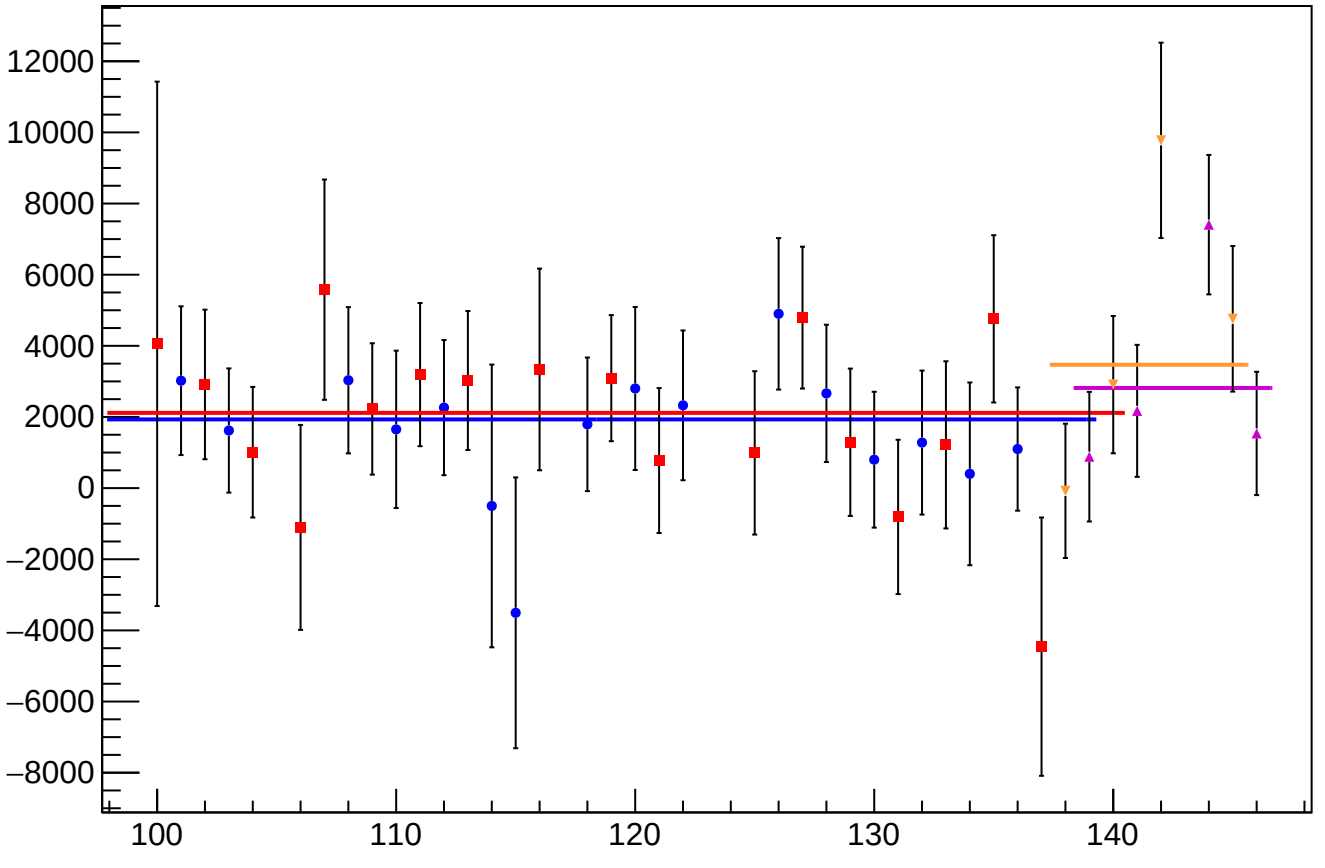
Left: 5225.349+/-1.470 χ^2/NDF: 69354.2/7

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3700.125+/-0.830 χ^2/NDF:1495591.5/19

Out: 3598.007+/-0.828 χ^2/NDF:1234931.6/21

All: 3648.940+/-0.586 χ^2/NDF: 2738116.8/41



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 3468.338+/-1042.249 χ^2/NDF:9.3/3

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2815.843+/-918.799 χ^2/NDF:7.3/3

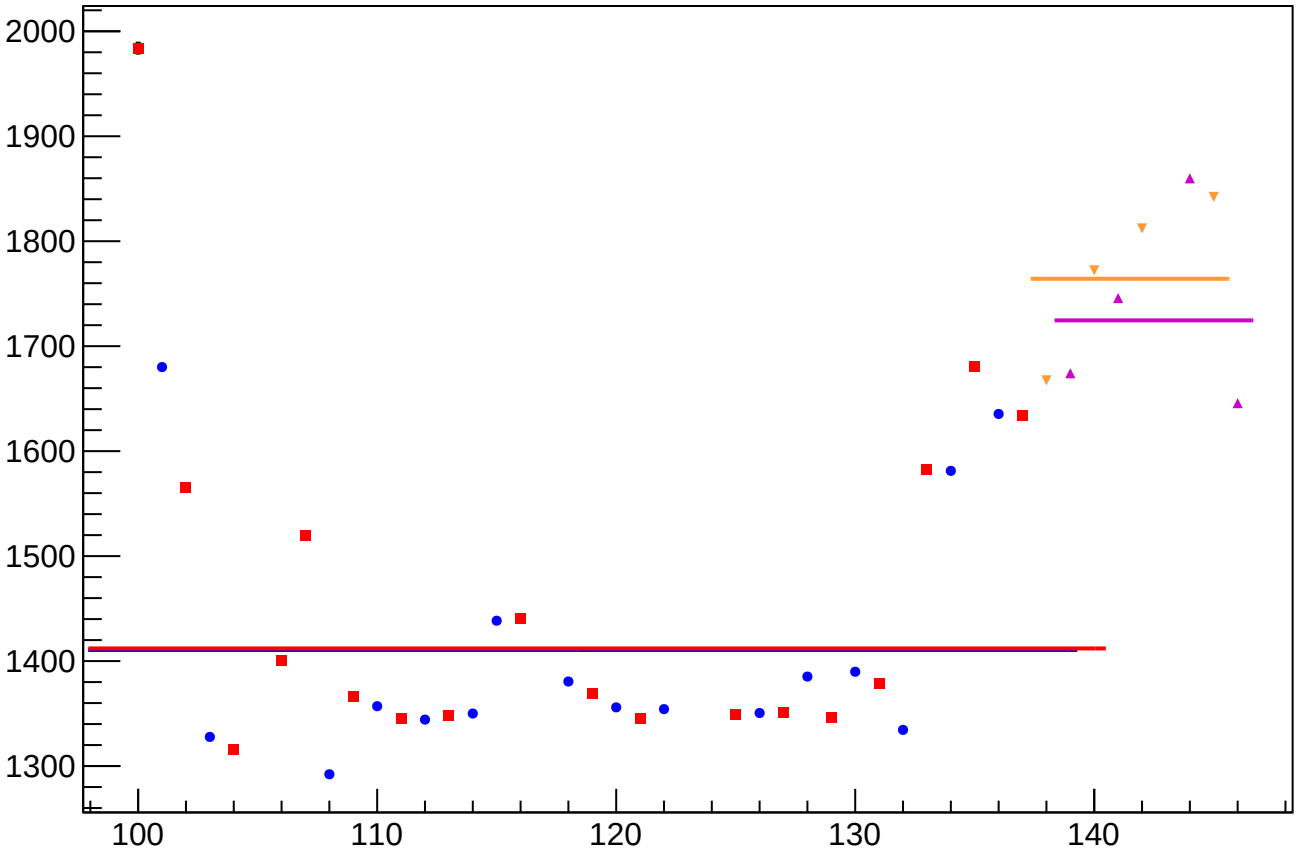
Left: 3101.177+/-689.224 χ^2/NDF: 16.8/7

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2150.529+/-457.229 χ^2/NDF:14.3/19

Out: 2392.212+/-471.577 χ^2/NDF:23.8/21

All: 2267.638+/-328.265 χ^2/NDF: 38.3/41



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1764.199+/-0.737 χ^2/NDF:8803.6/3

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1724.587+/-0.650 χ^2/NDF:15461.2/3

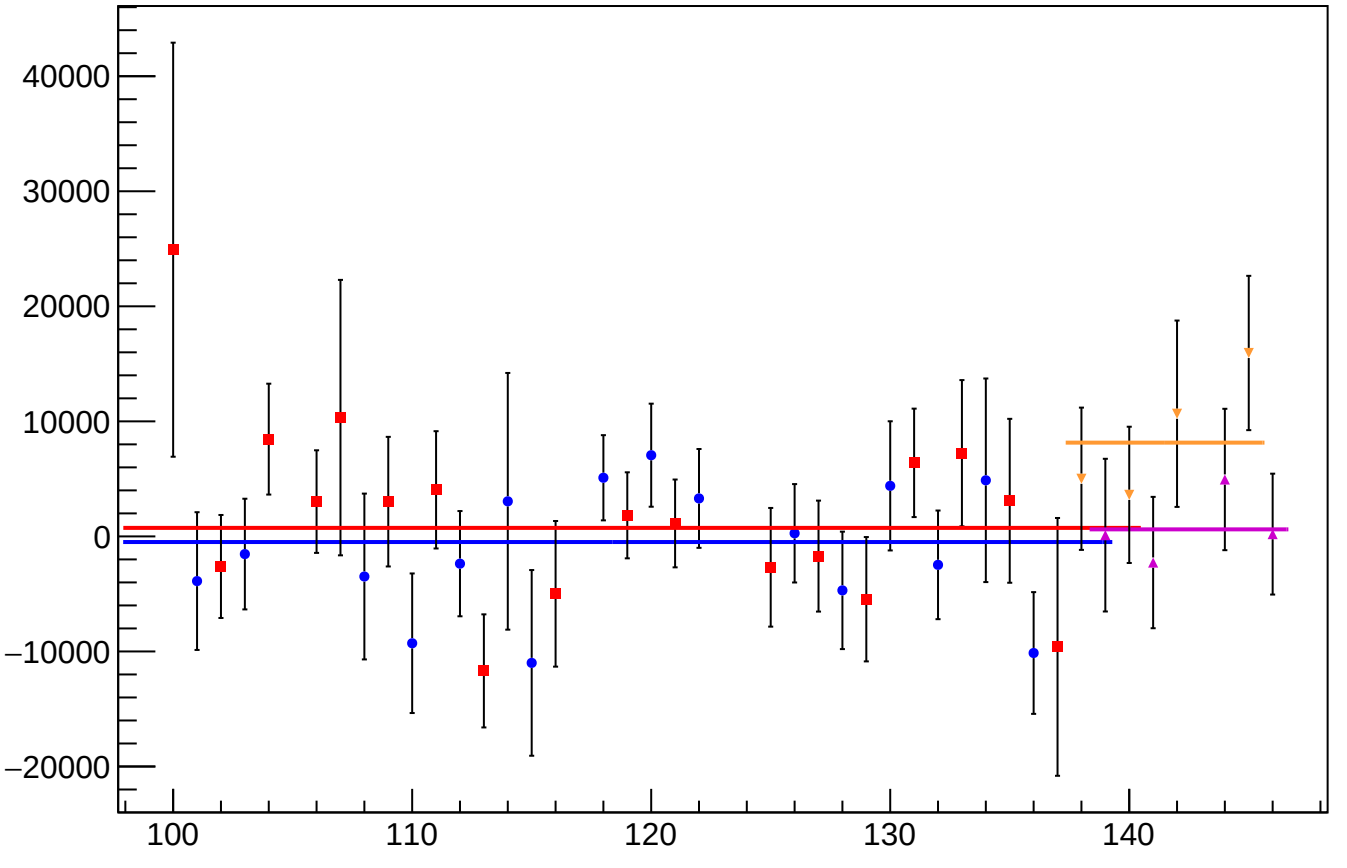
Left: 1741.909+/-0.487 χ^2/NDF: 25890.3/7

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1488.353+/-0.323 χ^2/NDF:290342.1/19

Out: 1483.835+/-0.333 χ^2/NDF:280284.3/21

All: 1486.159+/-0.232 χ^2/NDF: 570721.2/41



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 8150.597+/-3294.270 χ^2/NDF:2.3/3

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 611.455+/-2934.746 χ^2/NDF:0.8/3

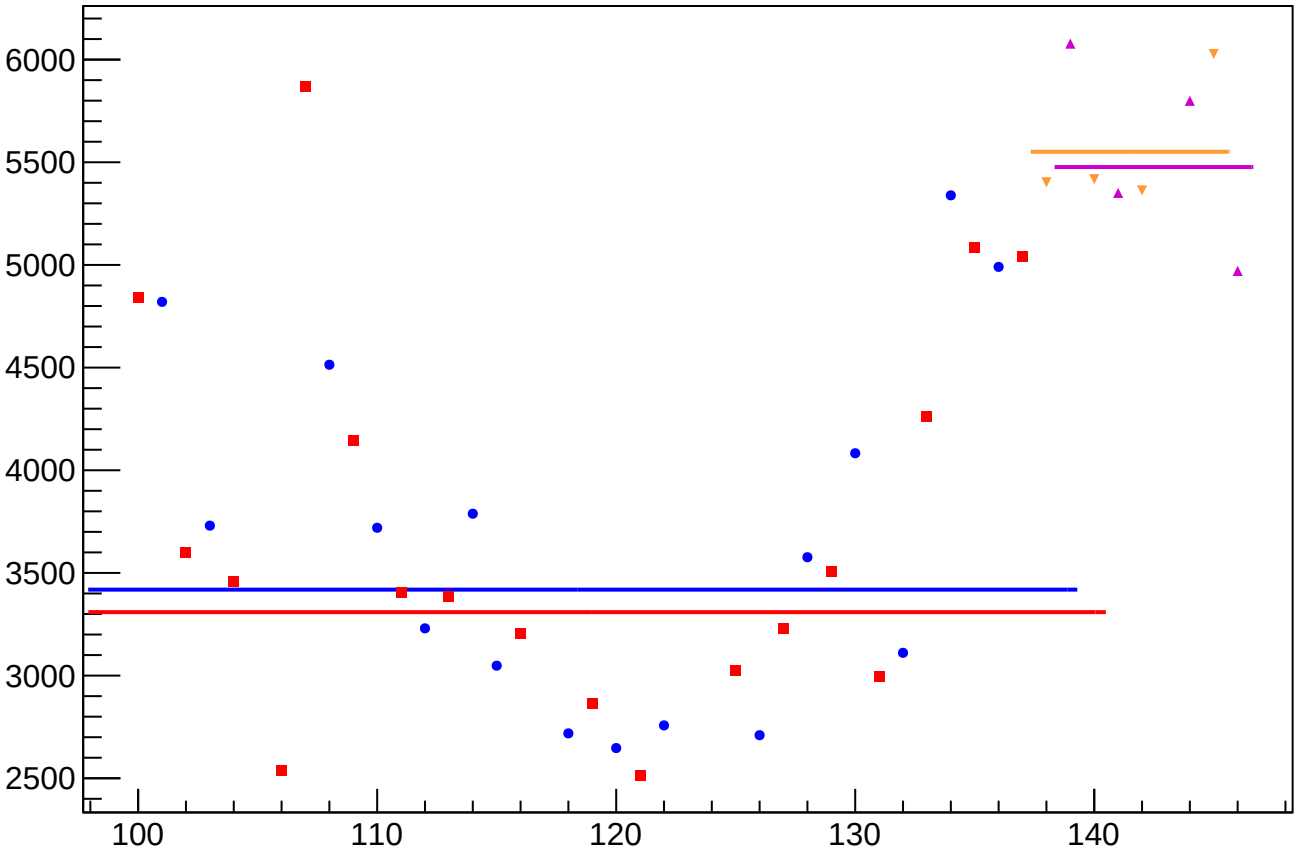
Left: 3947.330+/-2191.306 χ^2/NDF: 6.0/7

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -306.803+/-1195.238 χ^2/NDF:16.7/19

Out: 1670.529+/-1167.016 χ^2/NDF:25.9/21

All: 705.483+/-835.004 χ^2/NDF: 44.0/41



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5551.337+/-2.329 χ^2/NDF:13343.6/3

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5476.690+/-2.075 χ^2/NDF:41440.5/3

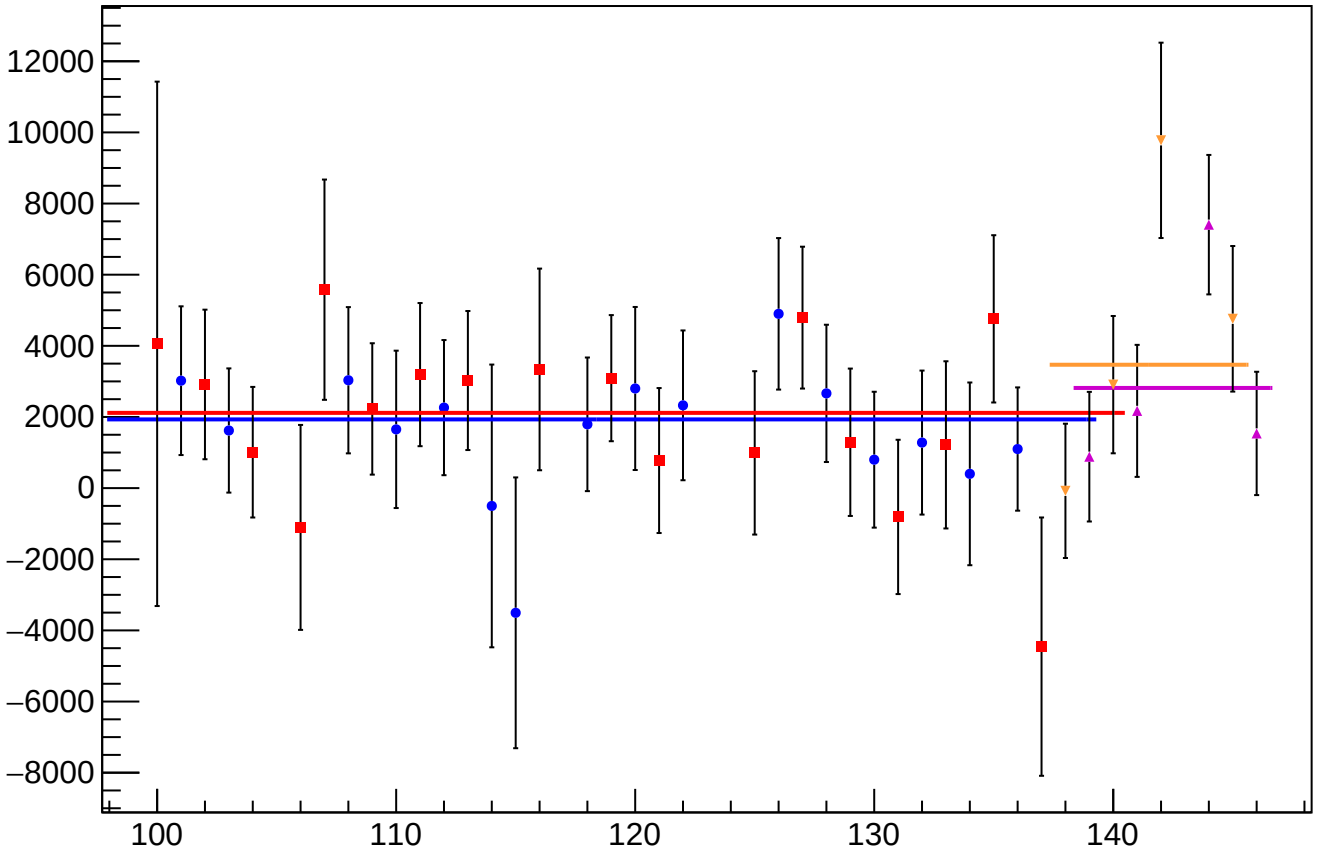
Left: 5509.719+/-1.549 χ^2/NDF: 55356.6/7

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3760.059+/-0.845 χ^2/NDF:1583023.9/19

Out: 3590.506+/-0.825 χ^2/NDF:1395556.6/21

All: 3673.257+/-0.590 χ^2/NDF: 2999184.8/41



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 3468.358+/-1042.250 χ^2/NDF:9.3/3

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2815.845+/-918.800 χ^2/NDF:7.3/3

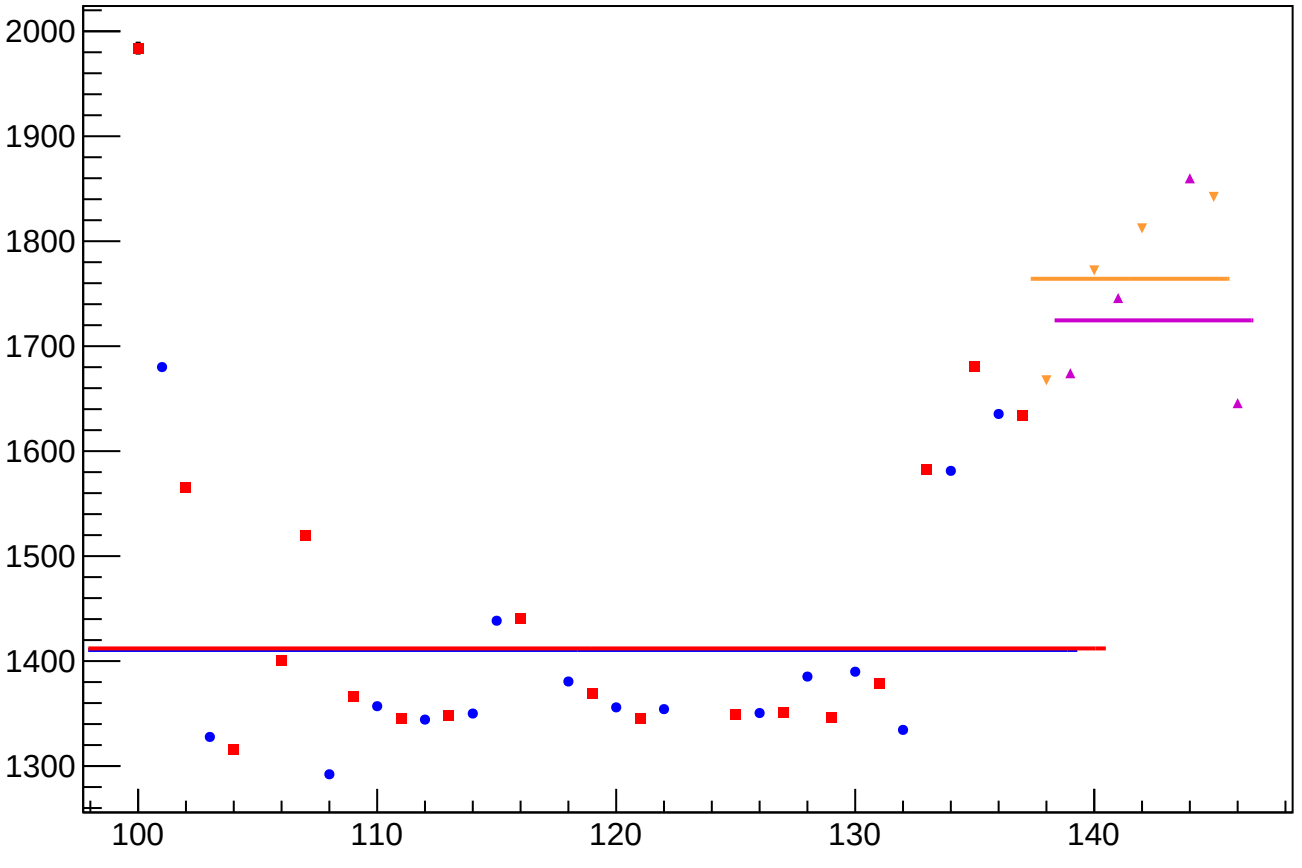
Left: 3101.188+/-689.224 χ^2/NDF: 16.8/7

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2150.530+/-457.229 χ^2/NDF:14.3/19

Out: 2392.216+/-471.578 χ^2/NDF:23.8/21

All: 2267.640+/-328.265 χ^2/NDF: 38.3/41



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1764.200+/-0.737 χ^2/NDF:8803.9/3

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1724.589+/-0.650 χ^2/NDF:15461.3/3

Left: 1741.911+/-0.487 χ^2/NDF: 25890.9/7

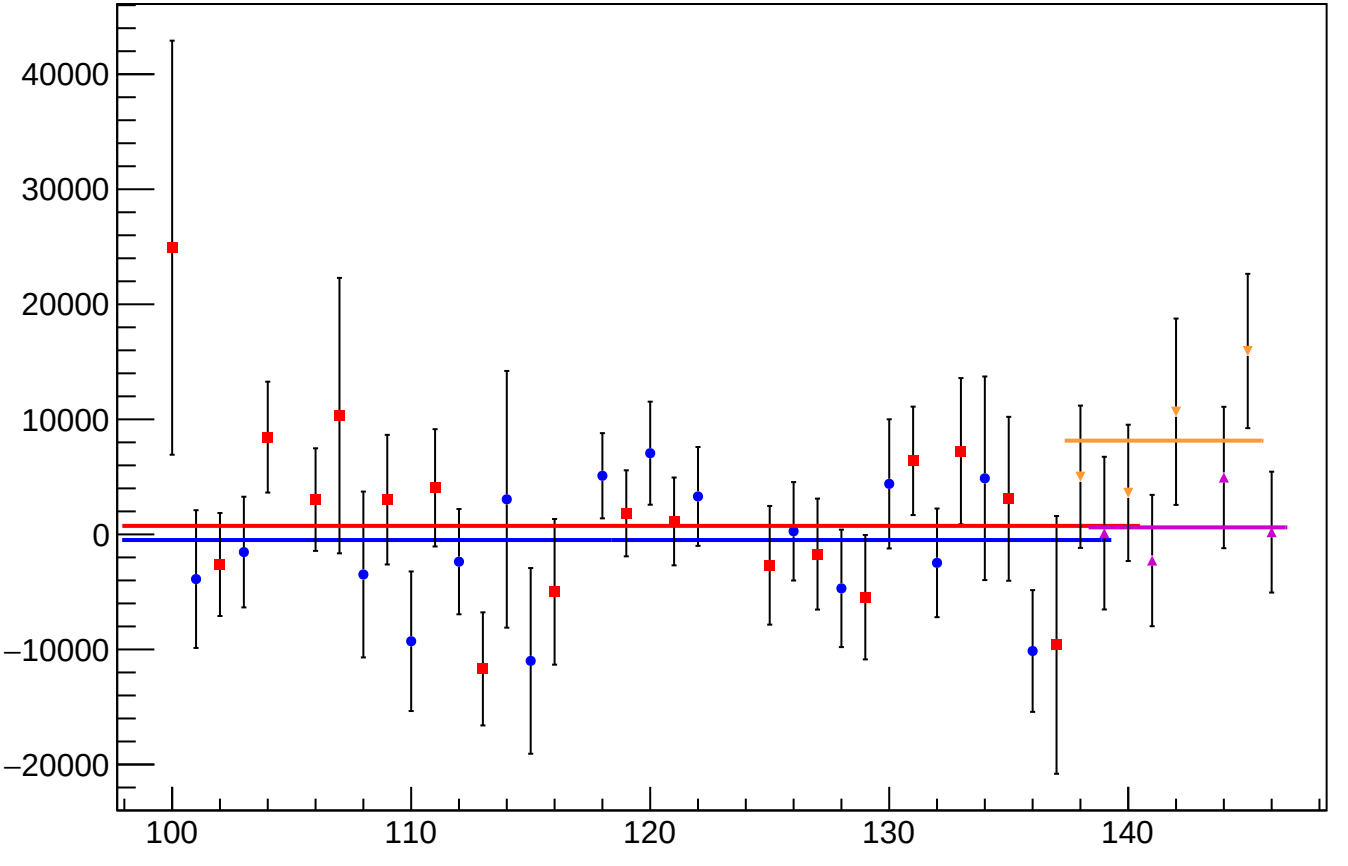
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1488.354+/-0.323 χ^2/NDF:290343.7/19

Out: 1483.835+/-0.333 χ^2/NDF:280286.4/21

All: 1486.159+/-0.232 χ^2/NDF: 570724.9/41

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: 8150.623+/-3294.278 χ^2/NDF:2.3/3

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 611.455+/-2934.752 χ^2/NDF:0.8/3

Left: 3947.339+/-2191.311 χ^2/NDF: 6.0/7

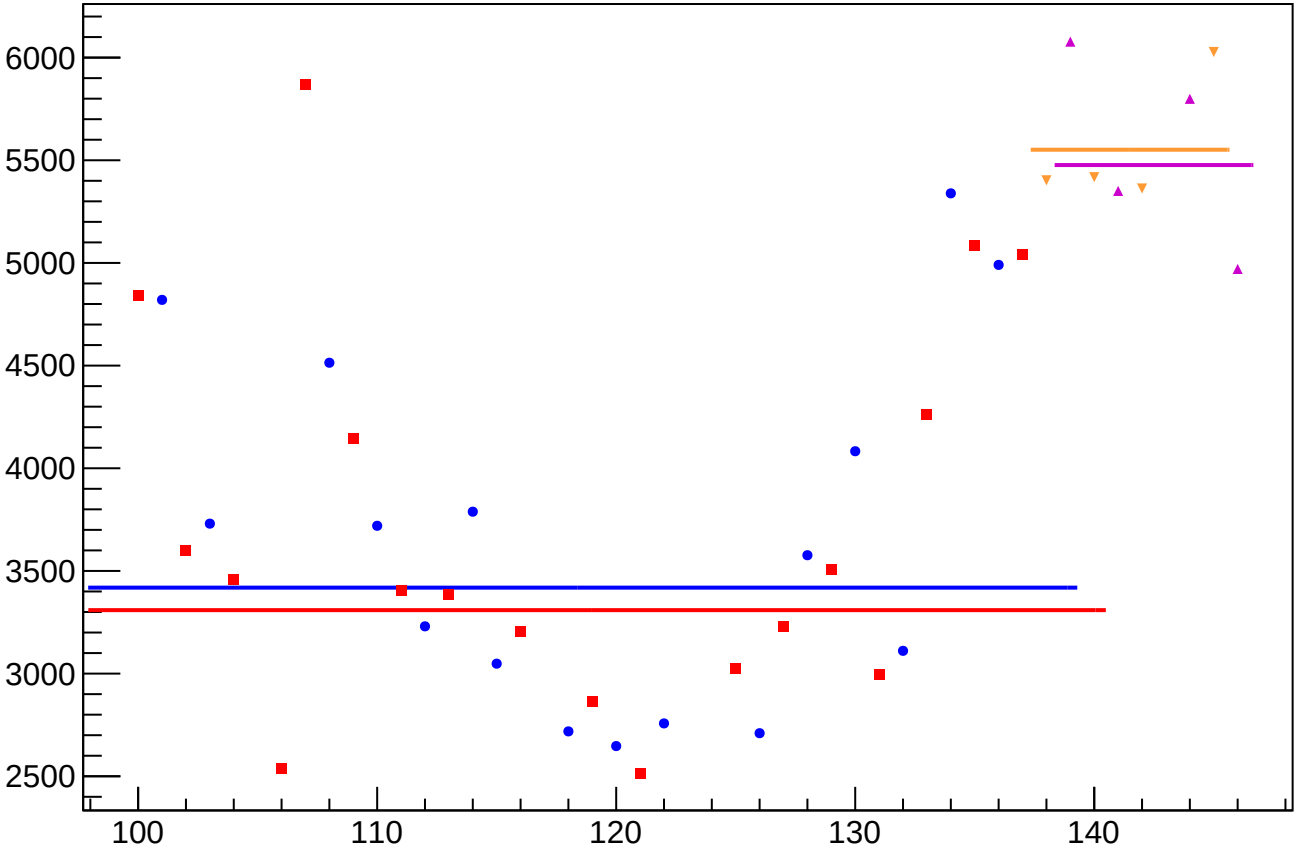
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -306.799+/-1195.235 χ^2/NDF:16.7/19

Out: 1670.526+/-1167.013 χ^2/NDF:25.9/21

All: 705.483+/-835.002 χ^2/NDF: 44.0/41

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5551.351+/-2.329 χ^2/NDF:13343.6/3

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5476.700+/-2.075 χ^2/NDF:41441.3/3

Left: 5509.731+/-1.549 χ^2/NDF: 55357.5/7

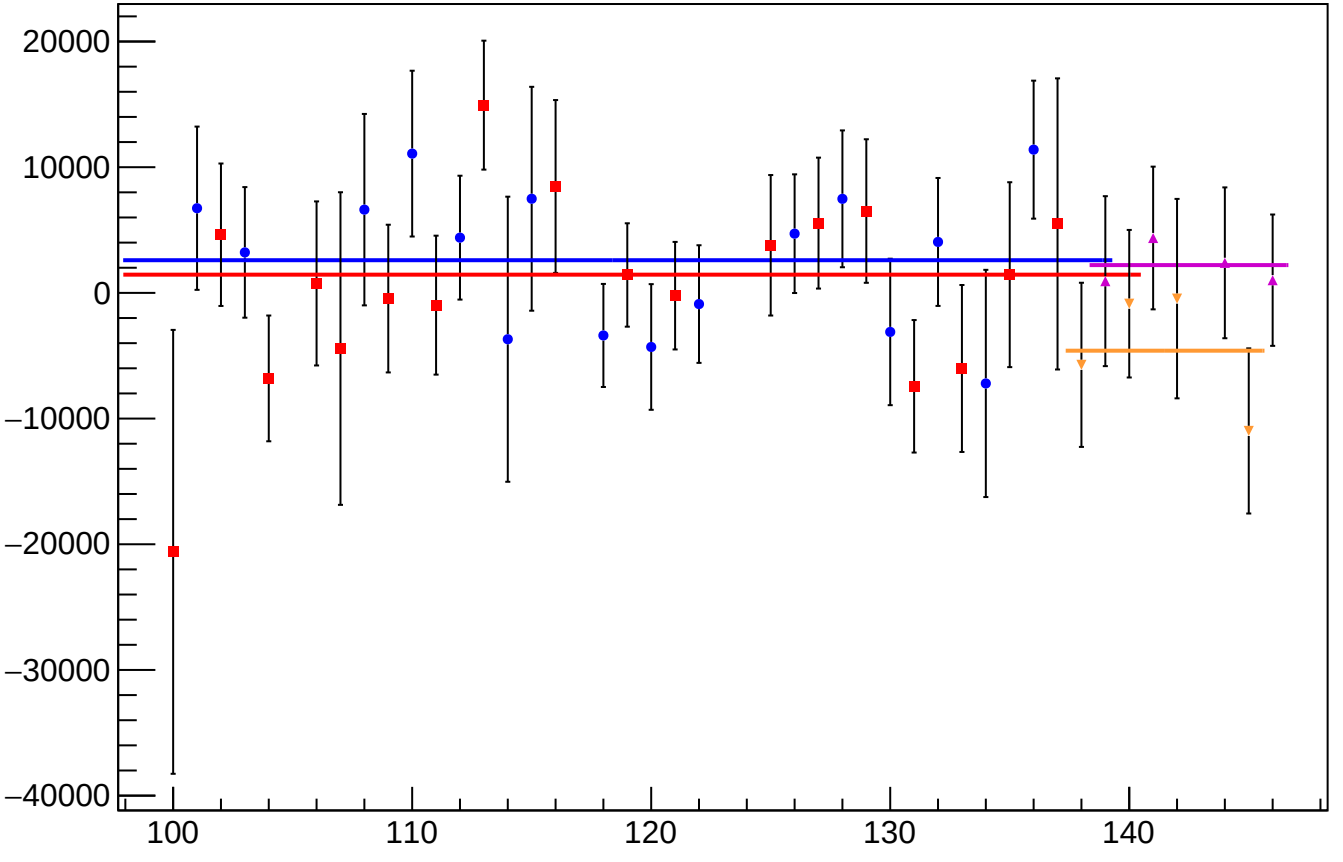
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3760.049+/-0.845 χ^2/NDF:1583048.6/19

Out: 3590.496+/-0.825 χ^2/NDF:1395575.1/21

All: 3673.247+/-0.590 χ^2/NDF: 2999227.7/41

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -4598.511+/-3305.501 χ^2/NDF:1.7/3

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 2211.343+/-2919.745 χ^2/NDF:0.2/3

Left: -773.217+/-2188.308 χ^2/NDF: 4.3/7

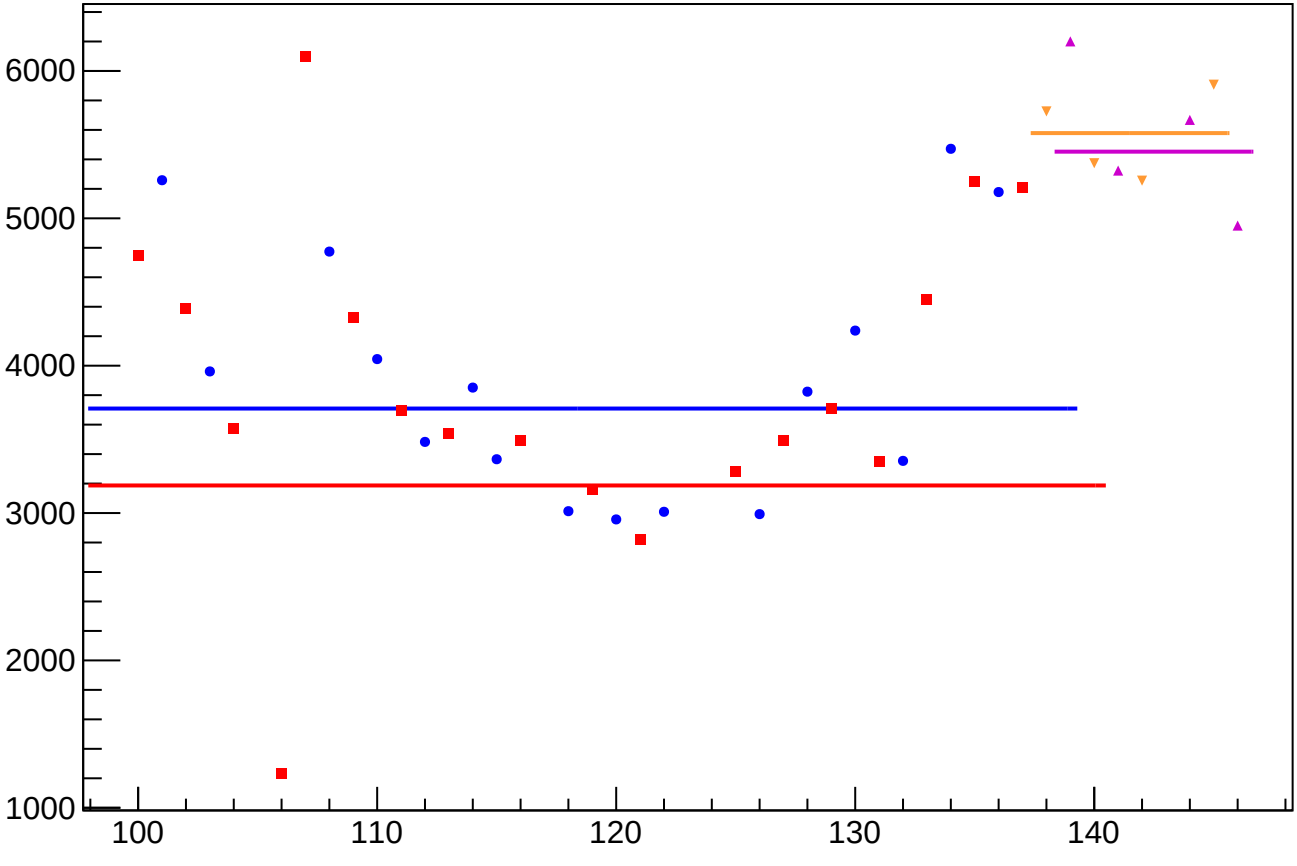
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2525.815+/-1272.980 χ^2/NDF:13.7/19

Out: 549.483+/-1275.689 χ^2/NDF:23.5/21

All: 1539.749+/-901.089 χ^2/NDF: 38.5/41

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5578.398+/-2.337 χ^2/NDF:11750.6/3

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5452.416+/-2.065 χ^2/NDF:46547.0/3

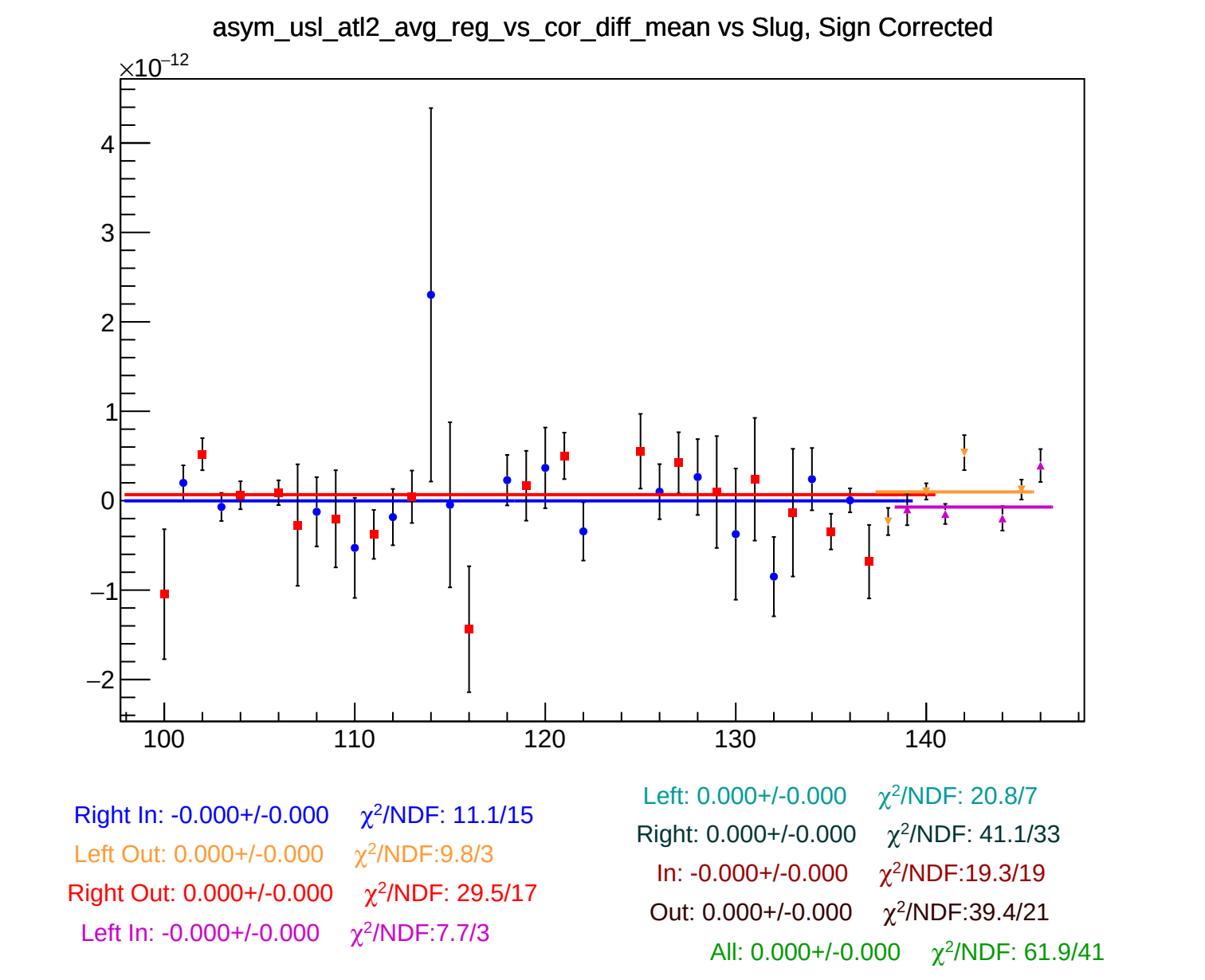
Left: 5507.630+/-1.547 χ^2/NDF: 59929.5/7

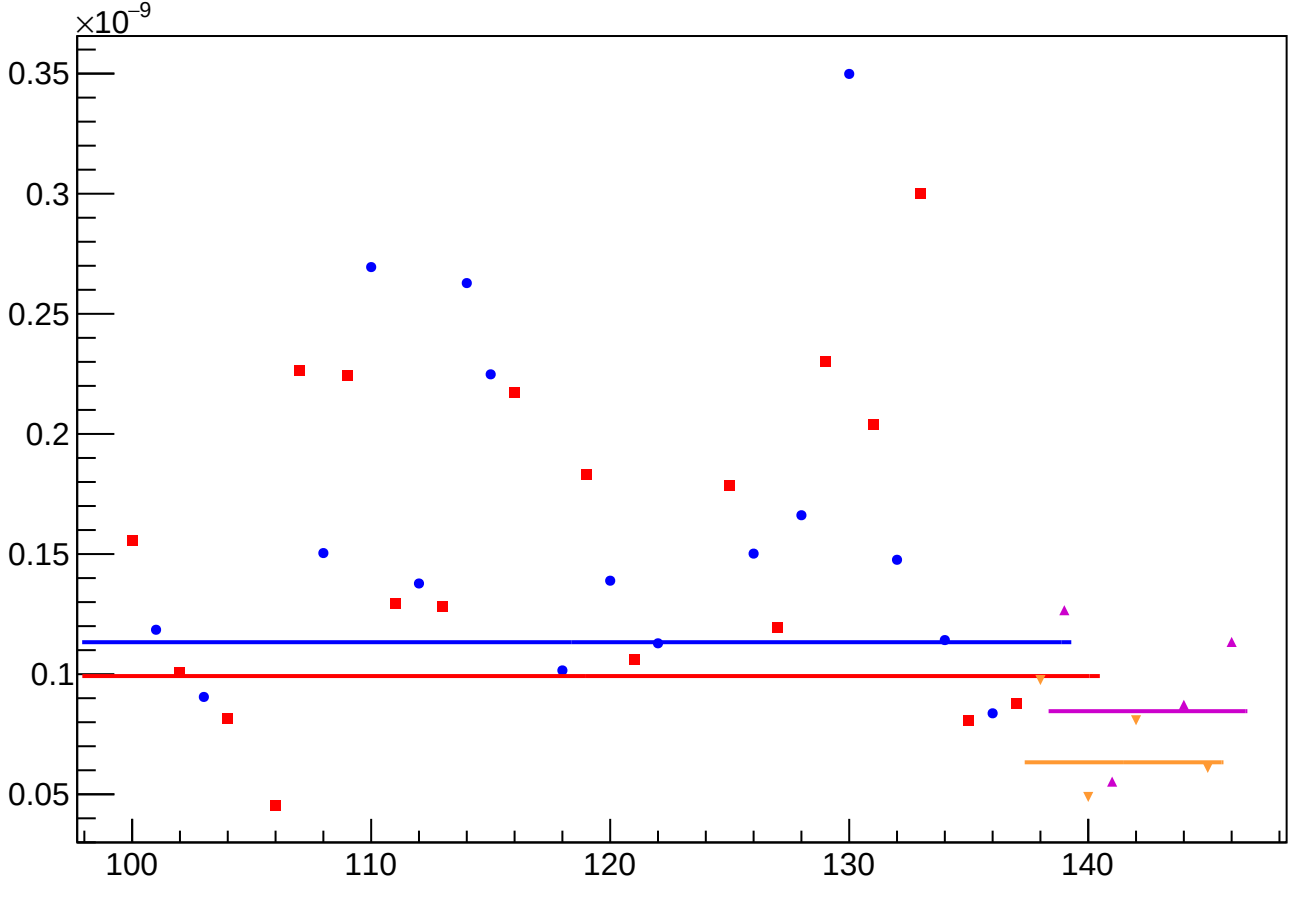
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4040.525+/-0.900 χ^2/NDF:1234619.9/19

Out: 3493.301+/-0.836 χ^2/NDF:2535207.7/21

All: 3746.818+/-0.613 χ^2/NDF: 3968193.9/41


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:9.8/3
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:7.7/3
Left: 0.000+/-0.000 χ²/NDF: 20.8/7
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:19.3/19
Out: 0.000+/-0.000 χ²/NDF:39.4/21
All: 0.000+/-0.000 χ²/NDF: 61.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:168039.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:297627.1/3

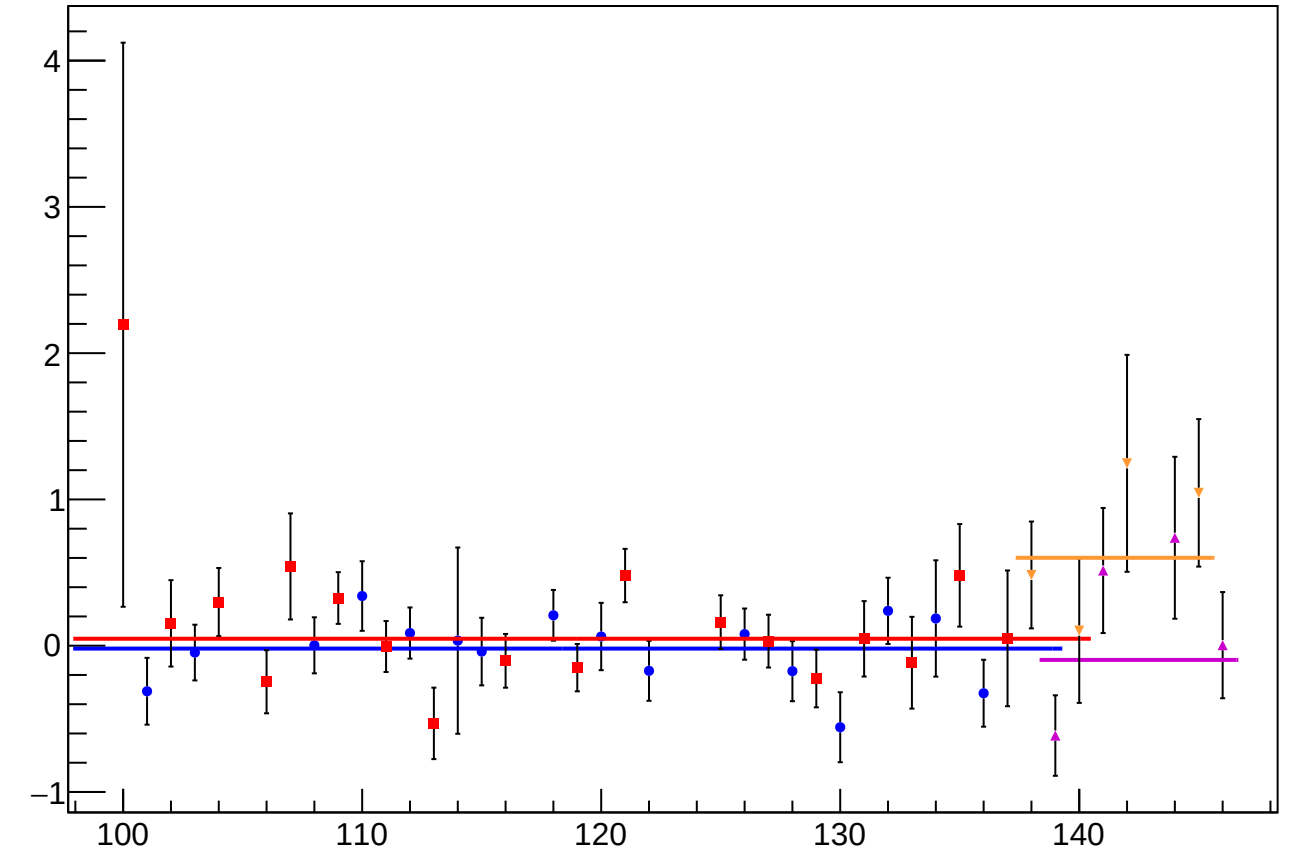
Left: 0.000+/-0.000 χ^2/NDF: 568034.5/7

Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1116365.1/19

Out: 0.000+/-0.000 χ^2/NDF:1590864.9/21

All: 0.000+/-0.000 χ^2/NDF: 2873086.7/41



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.601+/-0.240 χ^2/NDF:2.7/3

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.097+/-0.184 χ^2/NDF:7.9/3

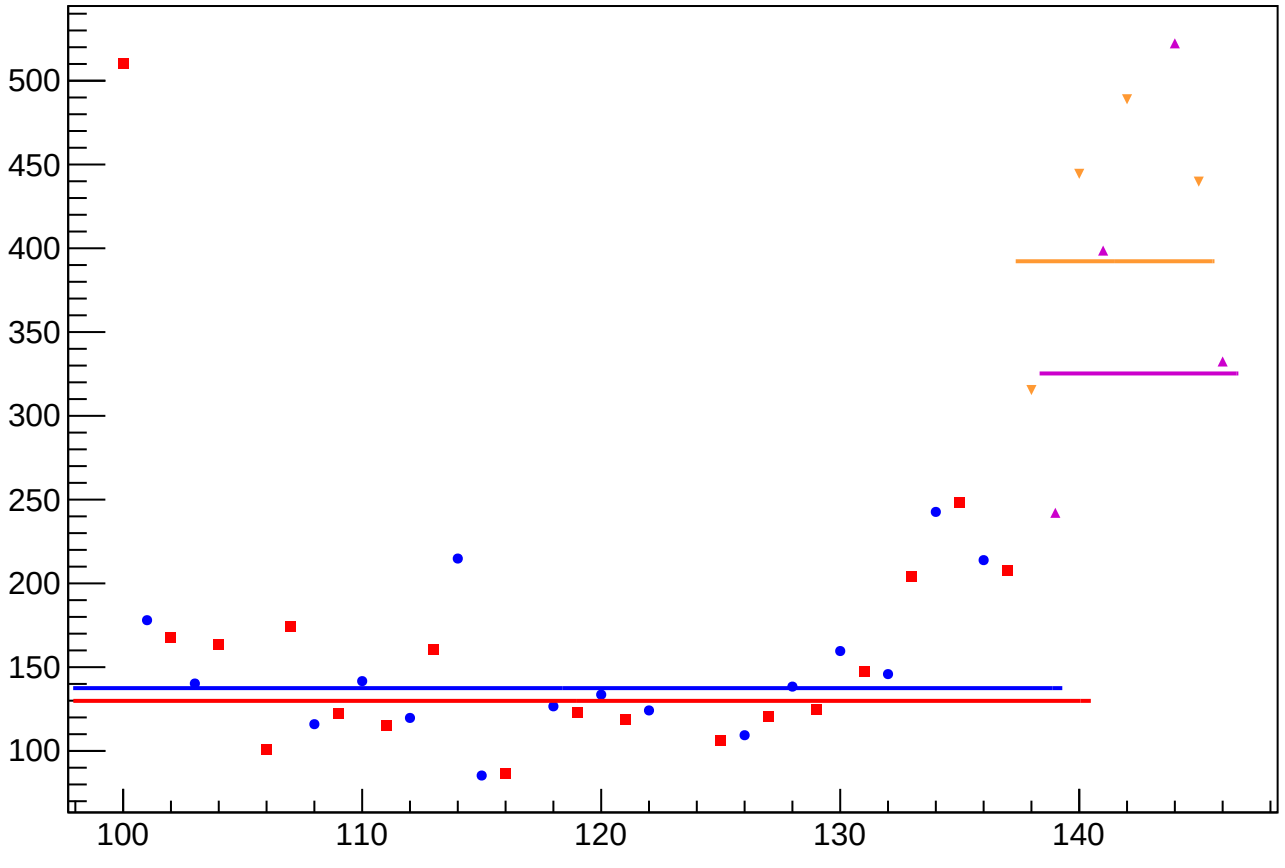
Left: 0.161+/-0.146 χ^2/NDF: 15.9/7

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.026+/-0.052 χ^2/NDF:24.1/19

Out: 0.073+/-0.051 χ^2/NDF:34.0/21

All: 0.024+/-0.037 χ^2/NDF: 60.0/41



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 392.259+/-0.170 χ^2/NDF:162662.1/3

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.290+/-0.130 χ^2/NDF:495810.9/3

Left: 350.070+/-0.103 χ^2/NDF: 756495.7/7

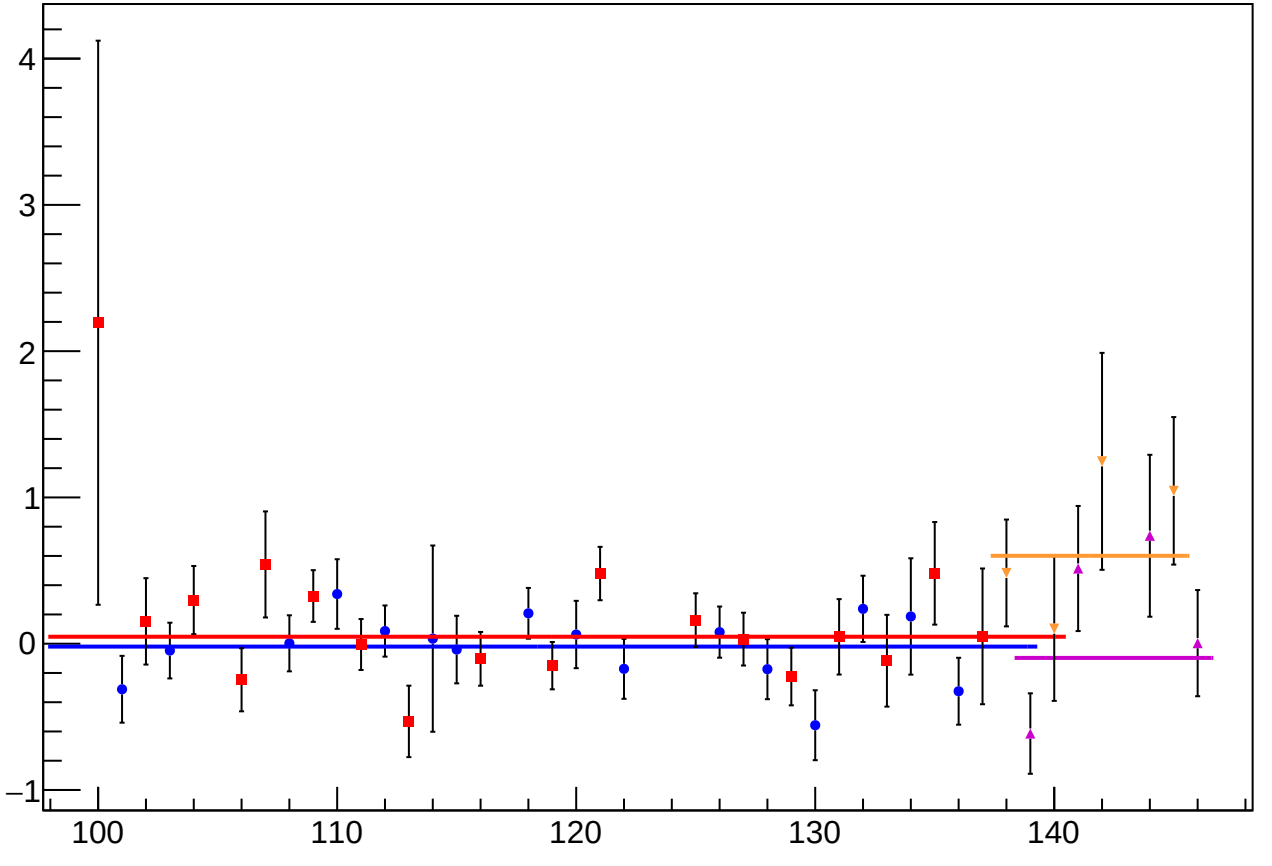
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 152.487+/-0.037 χ^2/NDF:3105566.8/19

Out: 141.857+/-0.036 χ^2/NDF:3276003.5/21

All: 147.099+/-0.026 χ^2/NDF: 6423944.7/41

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: 0.601+/-0.240 χ^2/NDF:2.7/3

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.097+/-0.184 χ^2/NDF:7.9/3

Left: 0.161+/-0.146 χ^2/NDF: 15.9/7

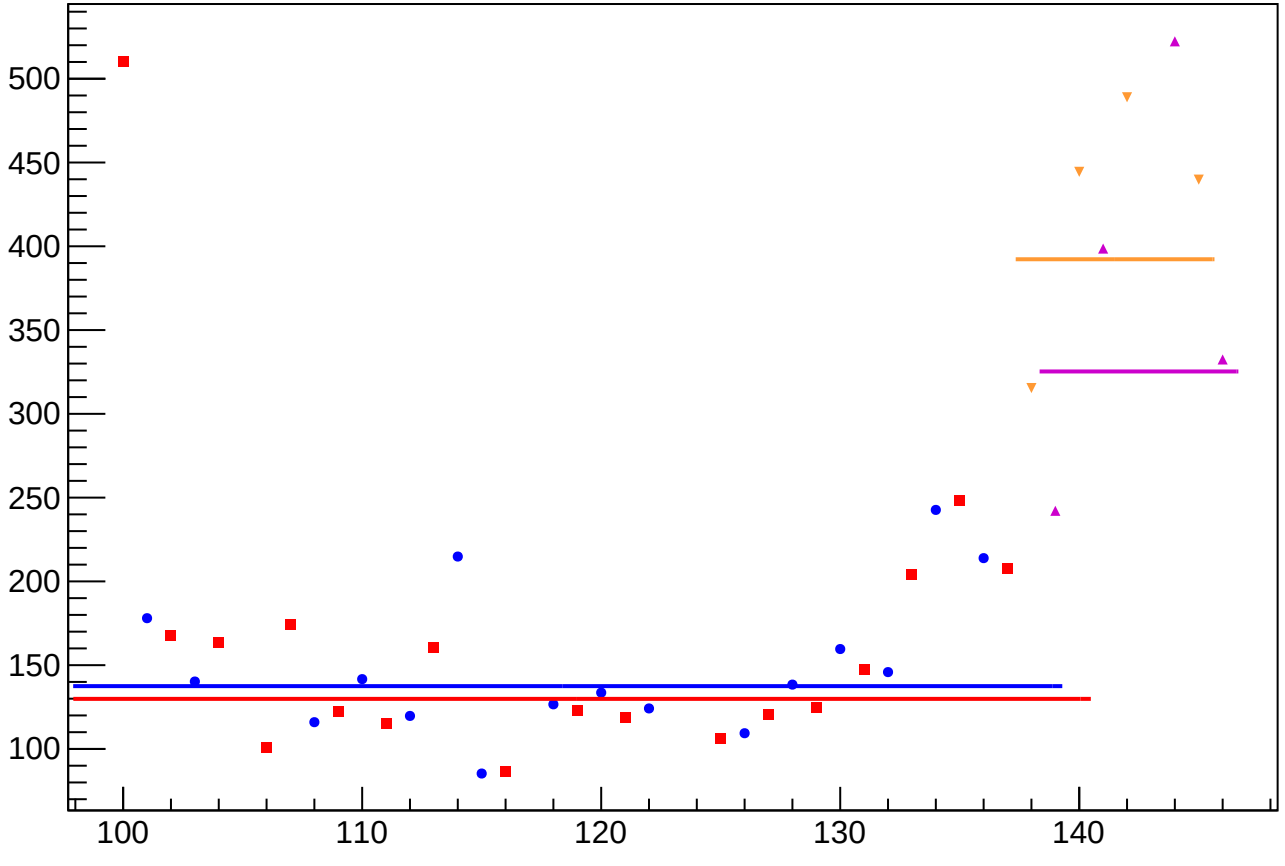
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.026+/-0.052 χ^2/NDF:24.1/19

Out: 0.073+/-0.051 χ^2/NDF:34.0/21

All: 0.024+/-0.037 χ^2/NDF: 60.0/41

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 392.259+/-0.170 χ^2/NDF:162662.1/3

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.290+/-0.130 χ^2/NDF:495810.9/3

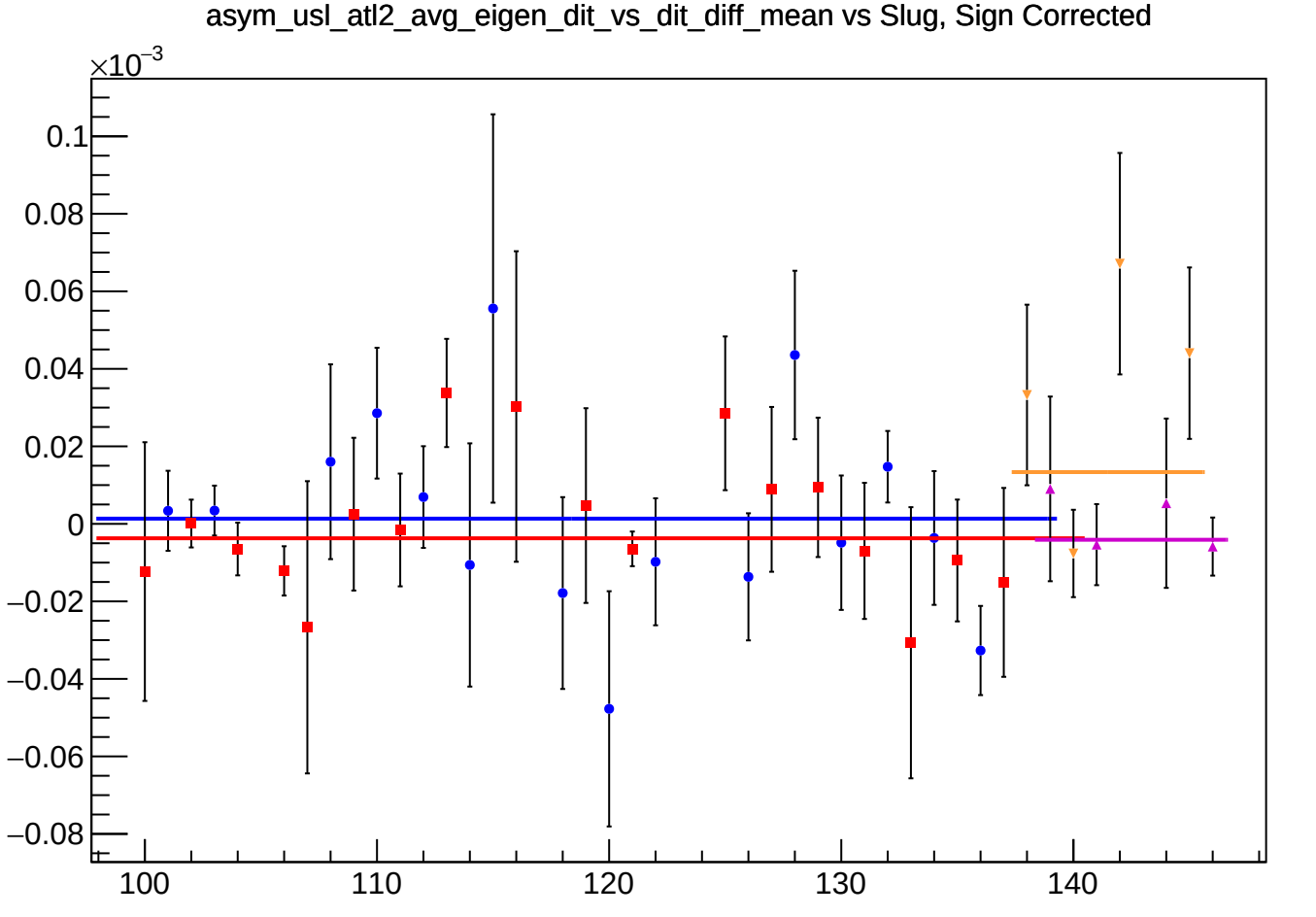
Left: 350.070+/-0.103 χ^2/NDF: 756495.7/7

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

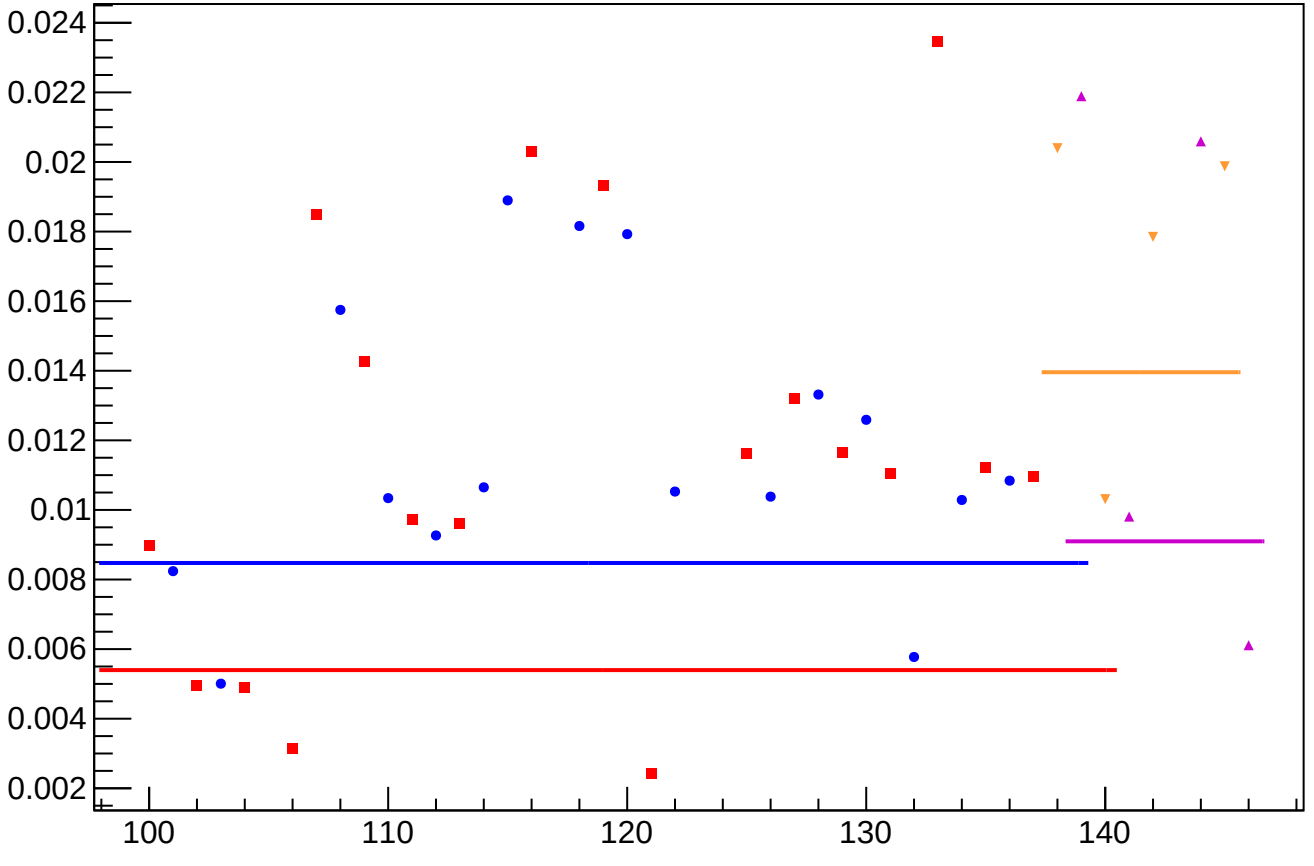
In: 152.487+/-0.037 χ^2/NDF:3105566.8/19

Out: 141.857+/-0.036 χ^2/NDF:3276003.5/21

All: 147.099+/-0.026 χ^2/NDF: 6423944.7/41


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: 0.000+/-0.000 χ²/NDF:9.7/3
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: -0.000+/-0.000 χ²/NDF:0.6/3
Left: 0.000+/-0.000 χ²/NDF: 13.0/7
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:25.2/19
Out: -0.000+/-0.000 χ²/NDF:28.9/21
All: -0.000+/-0.000 χ²/NDF: 54.5/41

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.014+/-0.000 χ^2/NDF:542556.5/3

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.009+/-0.000 χ^2/NDF:1457199.9/3

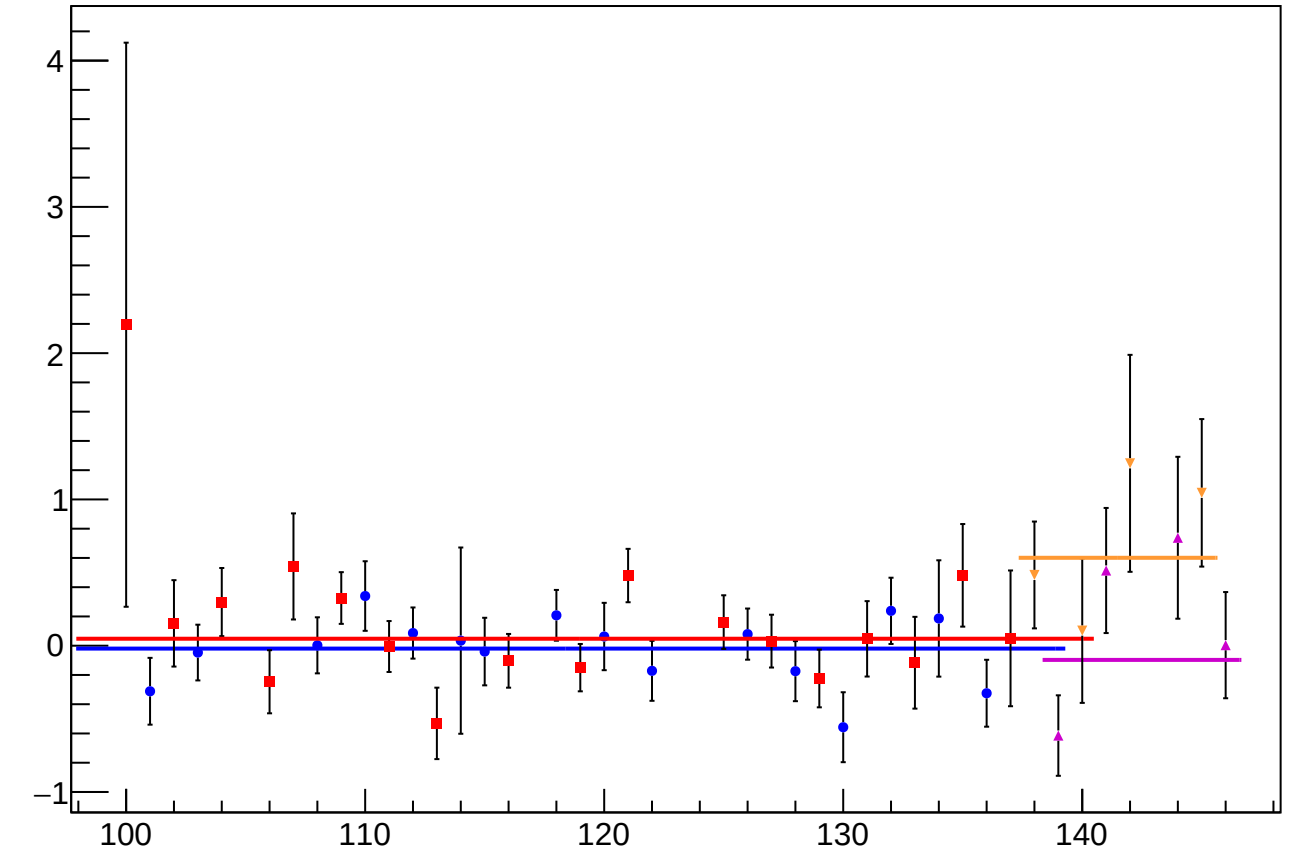
Left: 0.011+/-0.000 χ^2/NDF: 2431178.6/7

Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.009+/-0.000 χ^2/NDF:3400646.2/19

Out: 0.006+/-0.000 χ^2/NDF:7209000.1/21

All: 0.007+/-0.000 χ^2/NDF: 11529014.2/41



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.601+/-0.240 χ^2/NDF:2.7/3

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.097+/-0.184 χ^2/NDF:7.9/3

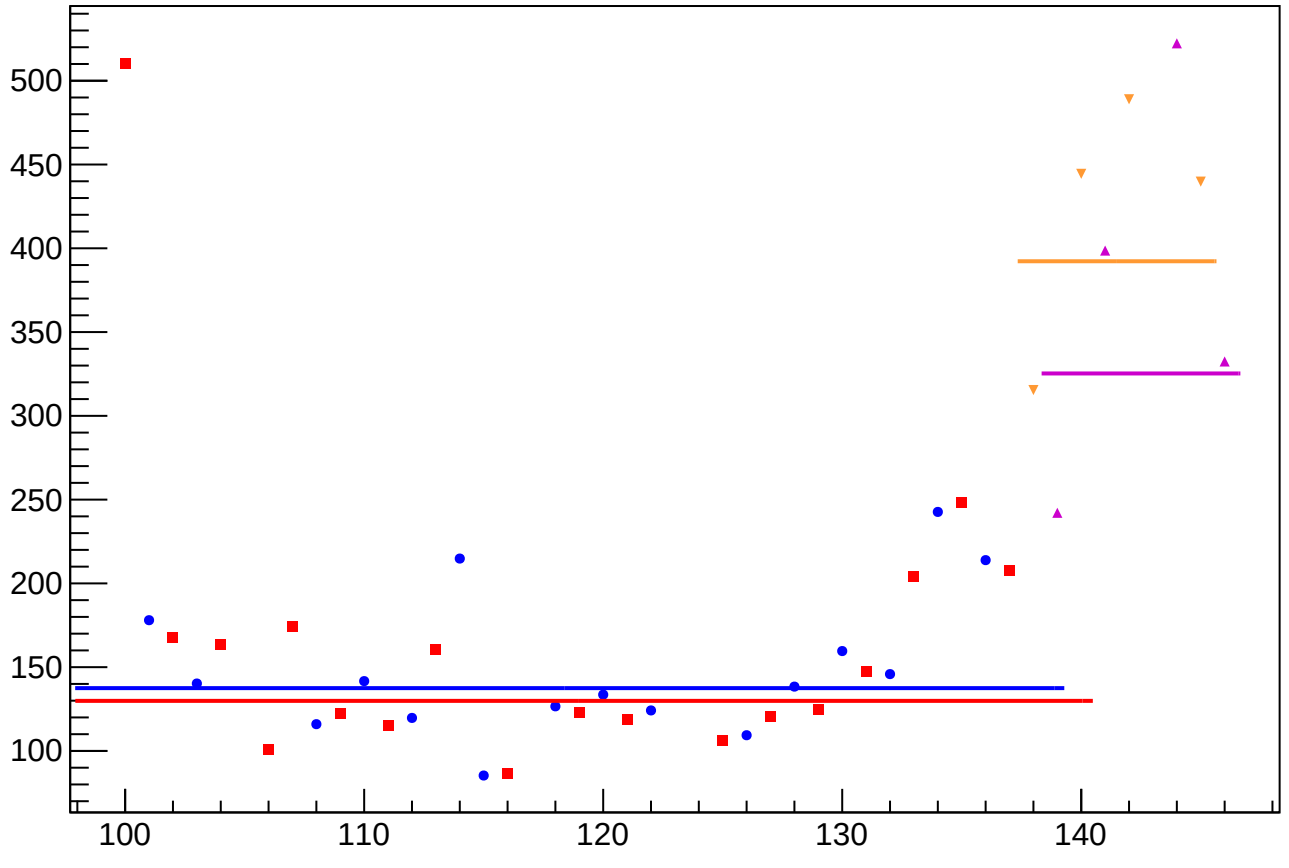
Left: 0.161+/-0.146 χ^2/NDF: 15.9/7

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.026+/-0.052 χ^2/NDF:24.1/19

Out: 0.073+/-0.051 χ^2/NDF:34.0/21

All: 0.024+/-0.037 χ^2/NDF: 60.0/41



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 392.264+/-0.170 χ^2/NDF:162677.2/3

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.296+/-0.130 χ^2/NDF:495789.7/3

Left: 350.076+/-0.103 χ^2/NDF: 756482.5/7

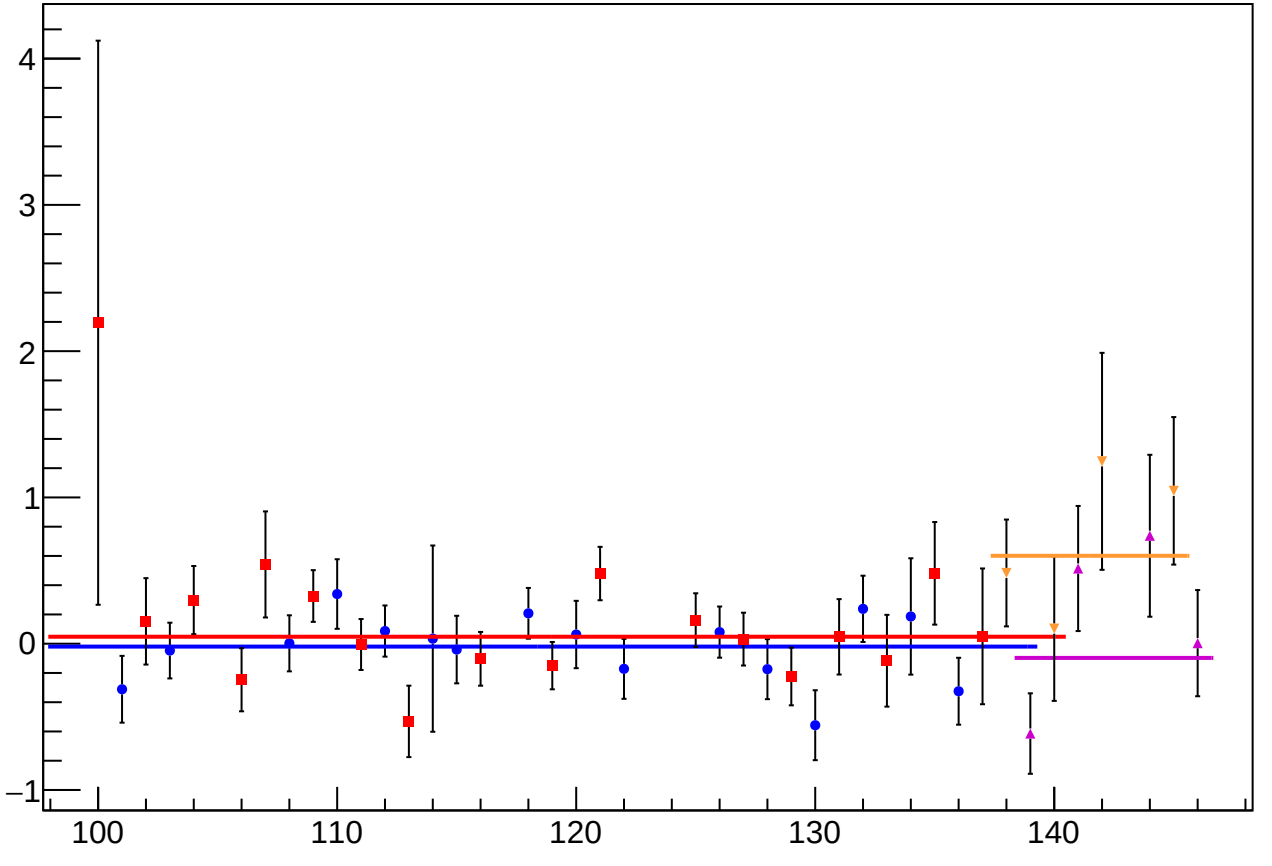
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 152.487+/-0.037 χ^2/NDF:3105590.4/19

Out: 141.857+/-0.036 χ^2/NDF:3276002.9/21

All: 147.099+/-0.026 χ^2/NDF: 6423966.9/41

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: 0.601+/-0.240 χ^2/NDF:2.7/3

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.097+/-0.184 χ^2/NDF:7.9/3

Left: 0.161+/-0.146 χ^2/NDF: 15.9/7

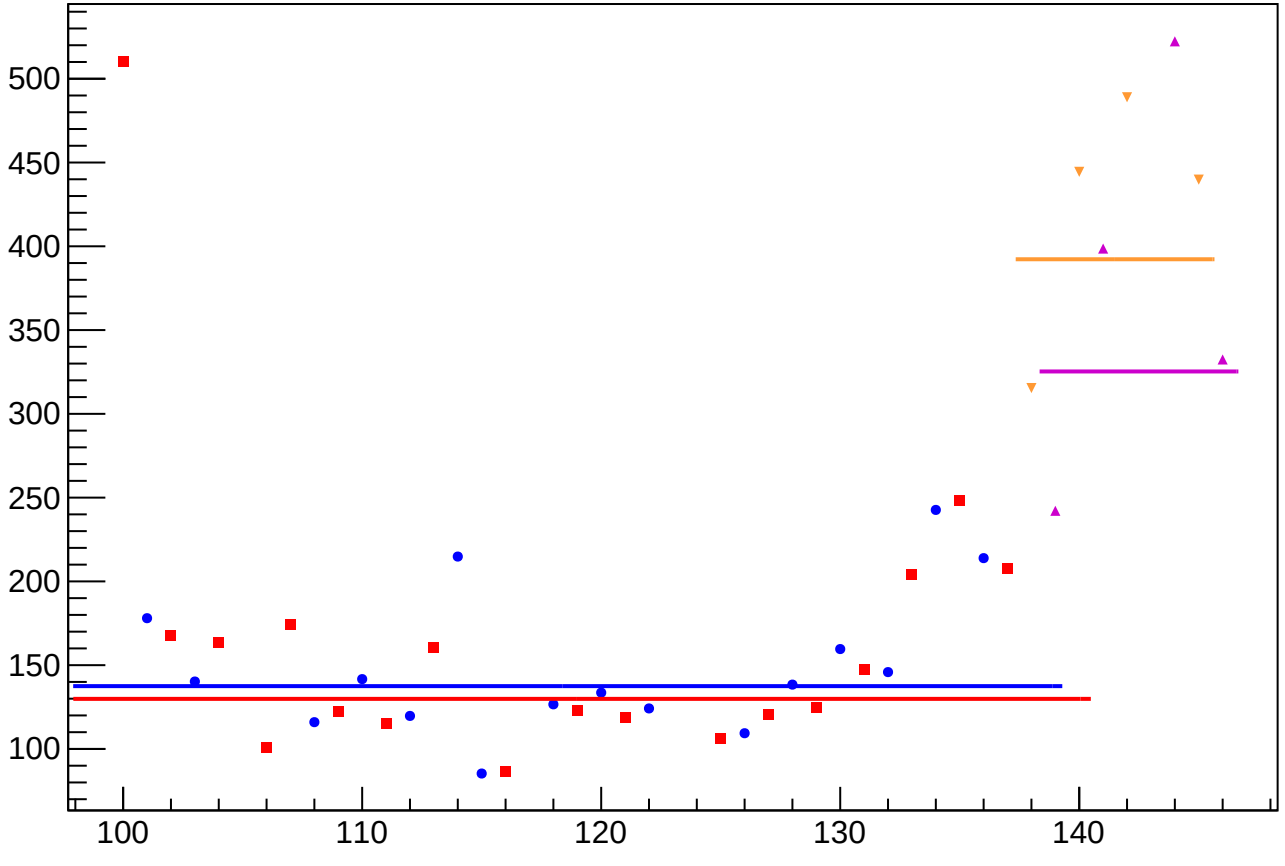
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.026+/-0.052 χ^2/NDF:24.1/19

Out: 0.073+/-0.051 χ^2/NDF:34.0/21

All: 0.024+/-0.037 χ^2/NDF: 60.0/41

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: 392.264+/-0.170 χ^2/NDF:162677.2/3

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.296+/-0.130 χ^2/NDF:495789.7/3

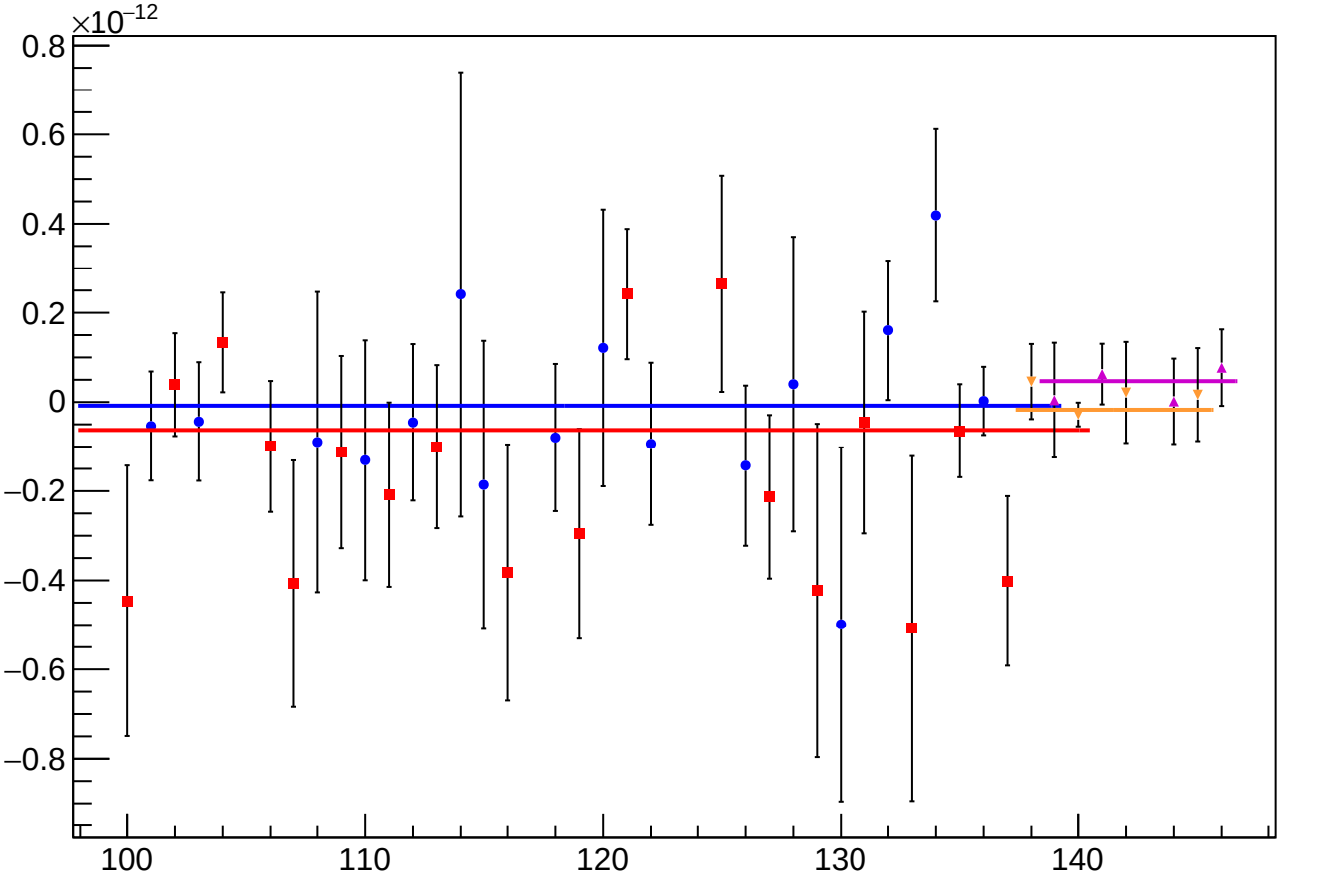
Left: 350.076+/-0.103 χ^2/NDF: 756482.5/7

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 152.487+/-0.037 χ^2/NDF:3105590.4/19

Out: 141.857+/-0.036 χ^2/NDF:3276002.9/21

All: 147.099+/-0.026 χ^2/NDF: 6423966.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: 0.000+/-0.000 χ^2/NDF:0.5/3

Left: -0.000+/-0.000 χ^2/NDF: 3.1/7

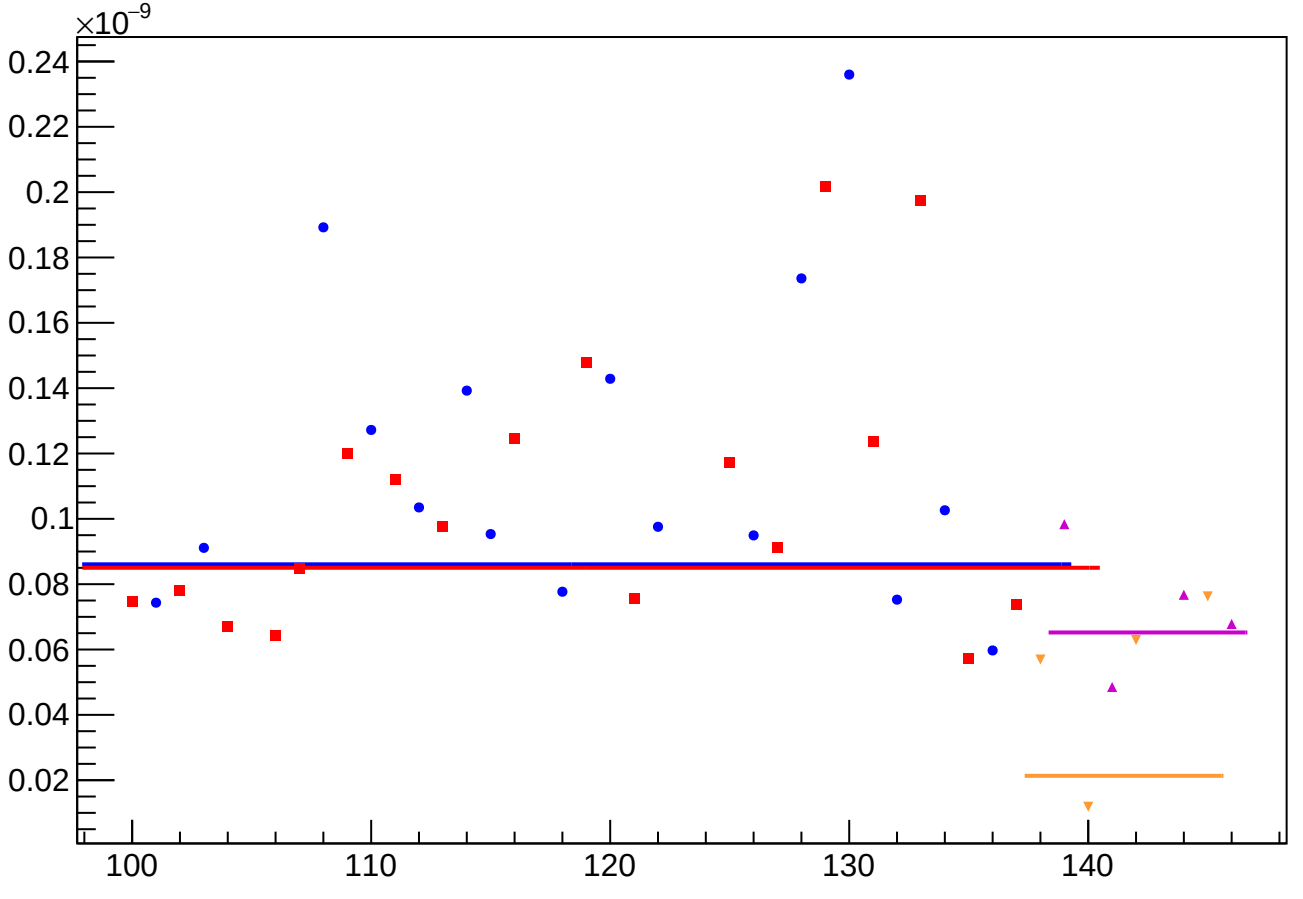
Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: 0.000+/-0.000 χ^2/NDF:11.1/19

Out: -0.000+/-0.000 χ^2/NDF:24.0/21

All: -0.000+/-0.000 χ^2/NDF: 36.8/41

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1432722.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:284265.4/3

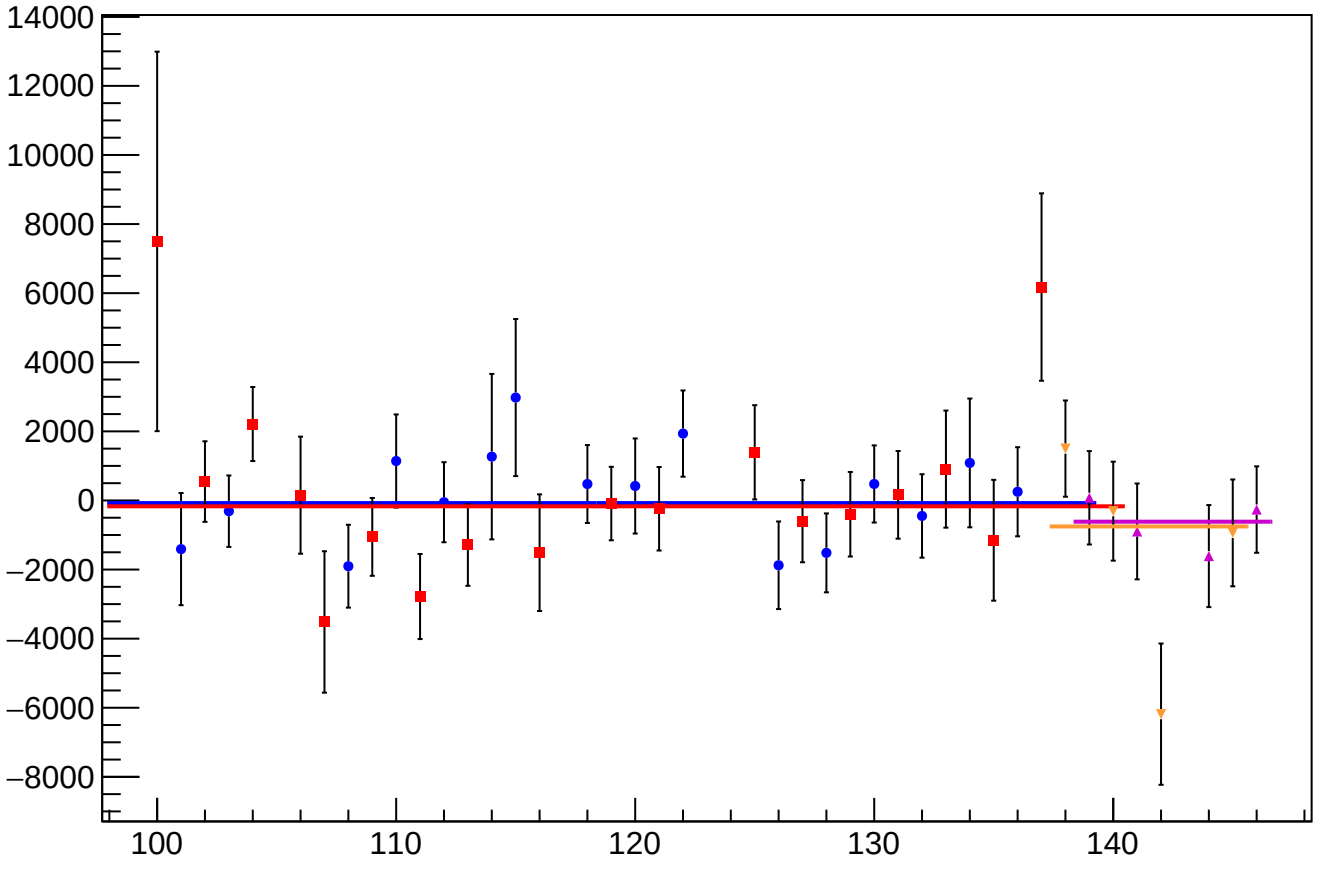
Left: 0.000+/-0.000 χ^2/NDF: 3257738.6/7

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:1590228.8/19

Out: 0.000+/-0.000 χ^2/NDF:5904534.1/21

All: 0.000+/-0.000 χ^2/NDF: 9682155.7/41



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: -752.438+/-775.946 χ^2/NDF:9.8/3

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -614.535+/-679.645 χ^2/NDF:0.8/3

Left: -674.403+/-511.259 χ^2/NDF: 10.6/7

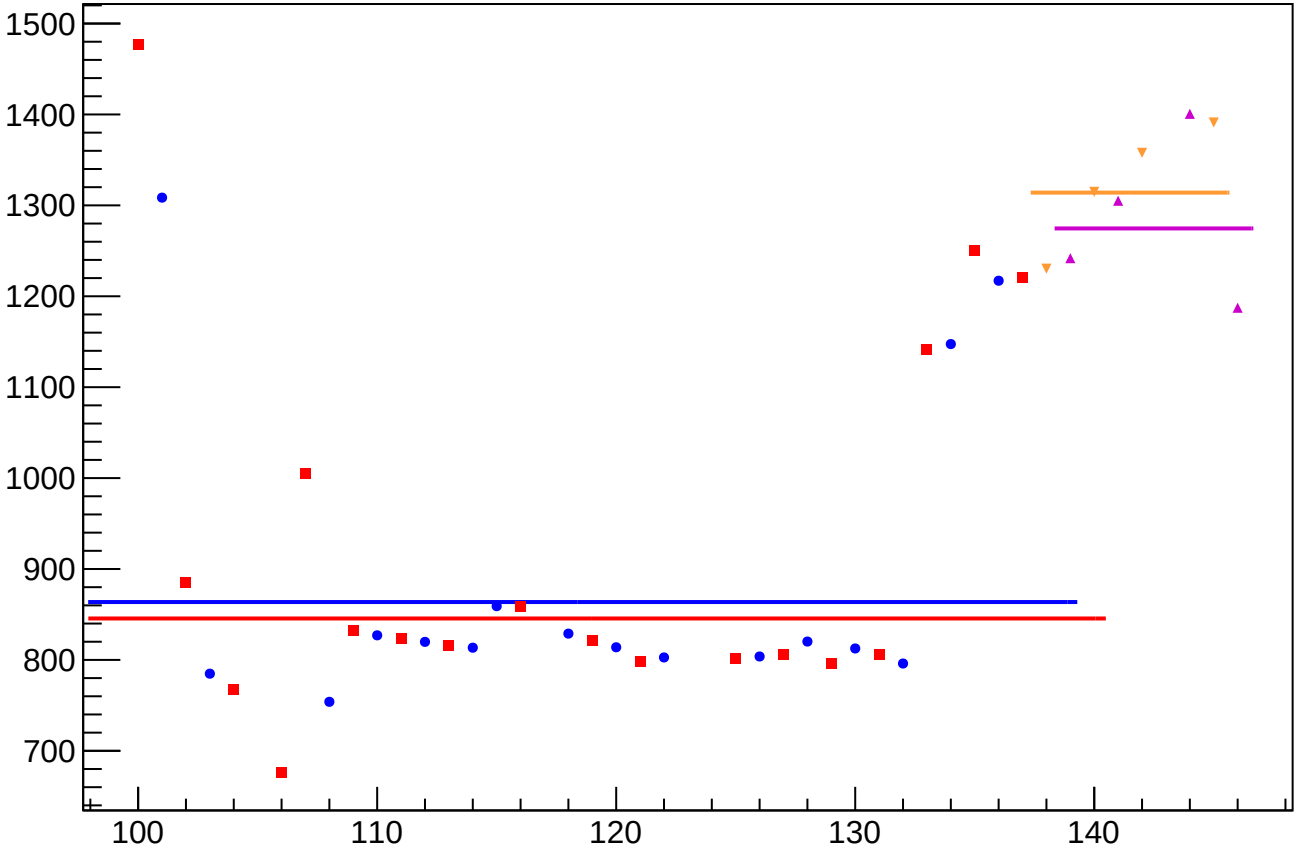
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -176.797+/-294.101 χ^2/NDF:14.7/19

Out: -254.927+/-297.273 χ^2/NDF:34.6/21

All: -215.443+/-209.073 χ^2/NDF: 49.4/41

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1314.039+/-0.549 χ^2/NDF:13117.8/3

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

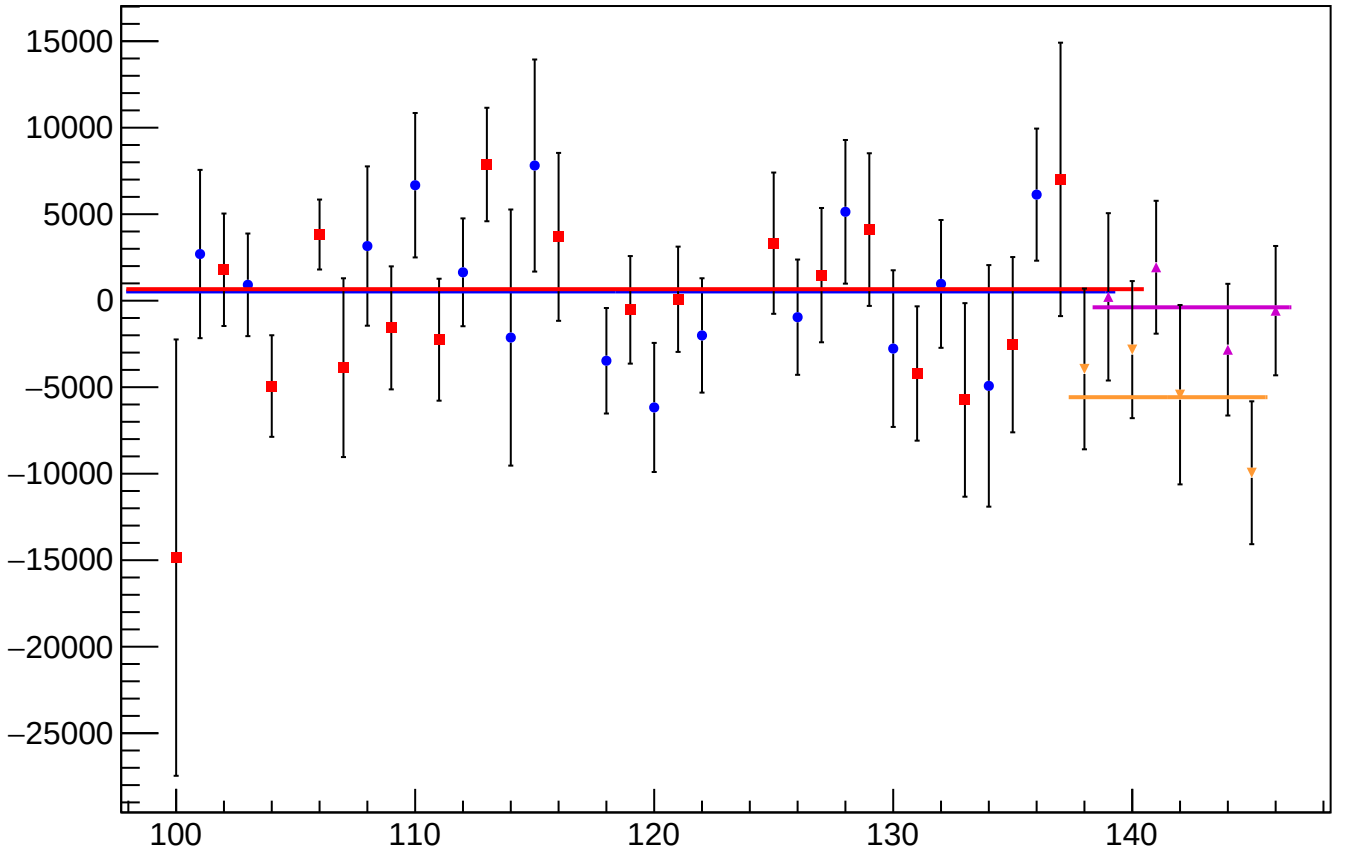
Left: 1291.734+/-0.362 χ^2/NDF: 42483.9/7

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 940.615+/-0.208 χ^2/NDF:1028263.2/19

Out: 912.890+/-0.208 χ^2/NDF:945124.5/21

All: 926.754+/-0.147 χ^2/NDF: 1982273.6/41



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -5577.843+/-2203.801 χ^2/NDF:1.7/3

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -381.938+/-1995.444 χ^2/NDF:0.8/3

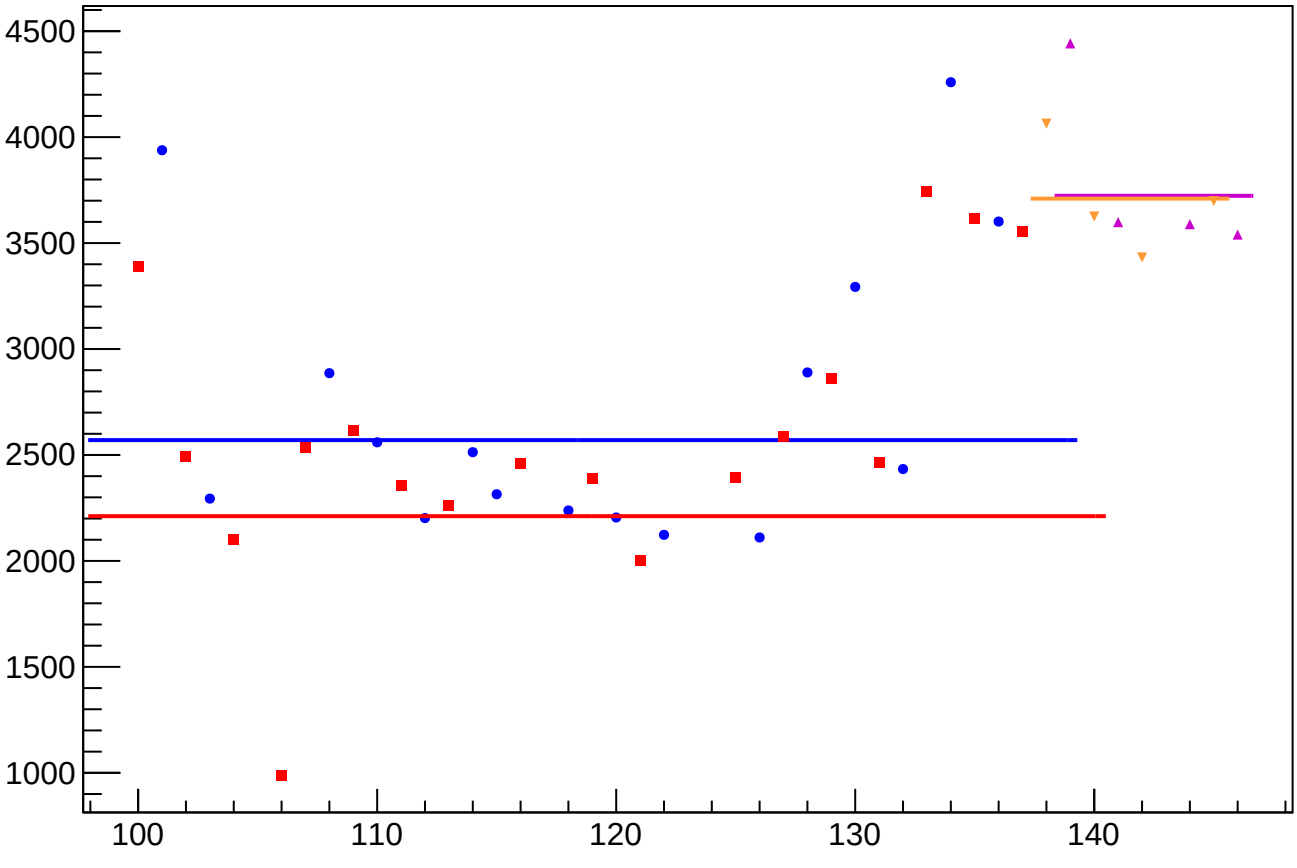
Left: -2722.715+/-1479.183 χ^2/NDF: 5.6/7

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 356.040+/-880.574 χ^2/NDF:15.6/19

Out: -167.567+/-805.173 χ^2/NDF:28.7/21

All: 70.863+/-594.215 χ^2/NDF: 44.5/41



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3709.884+/-1.558 χ^2/NDF:18252.5/3

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3723.019+/-1.411 χ^2/NDF:53593.1/3

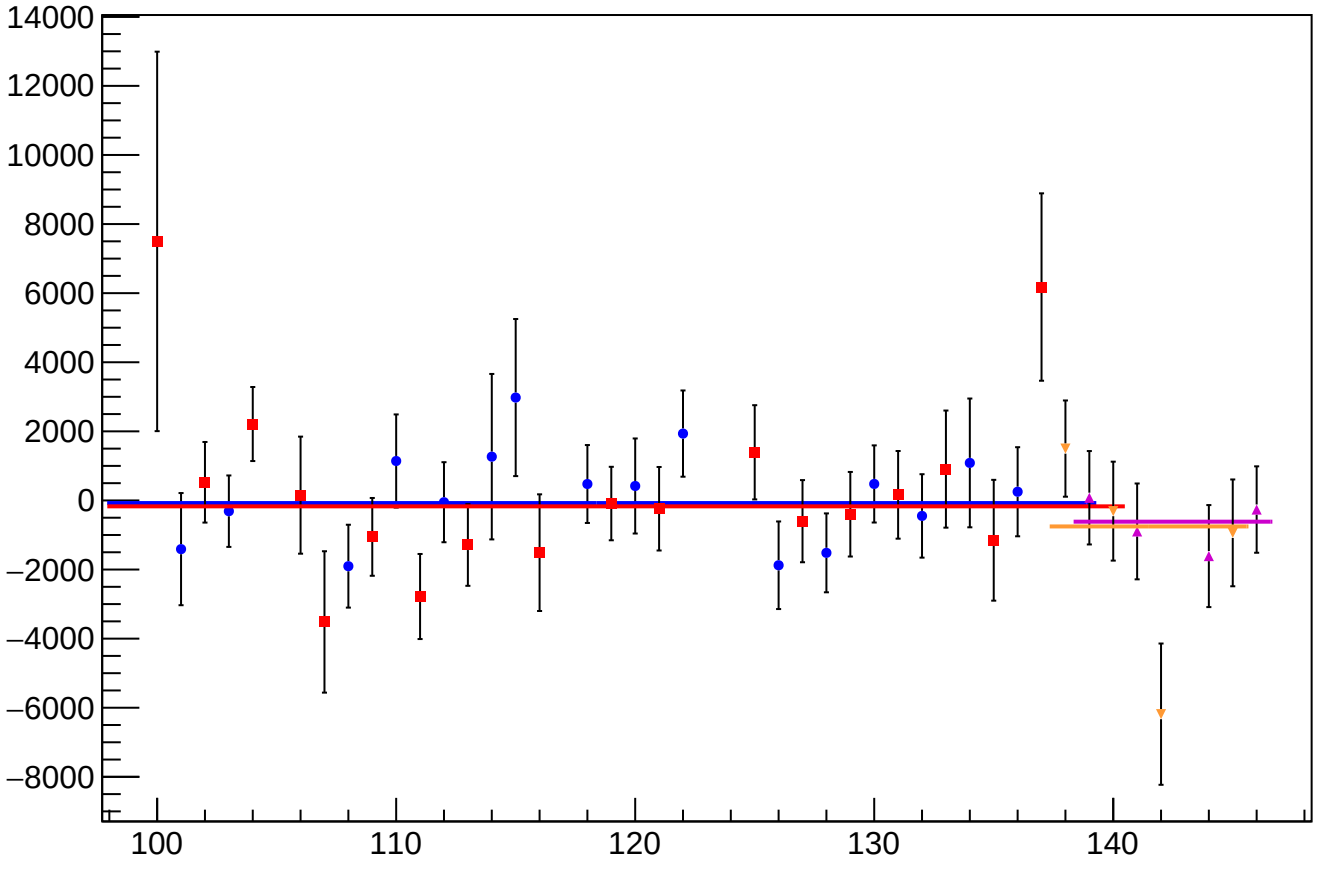
Left: 3717.102+/-1.046 χ^2/NDF: 71884.7/7

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2794.646+/-0.623 χ^2/NDF:1253670.3/19

Out: 2411.312+/-0.569 χ^2/NDF:2083725.7/21

All: 2585.867+/-0.420 χ^2/NDF: 3543820.5/41



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -752.541+/-775.946 χ^2/NDF:9.8/3

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -614.595+/-679.645 χ^2/NDF:0.8/3

Left: -674.481+/-511.259 χ^2/NDF: 10.6/7

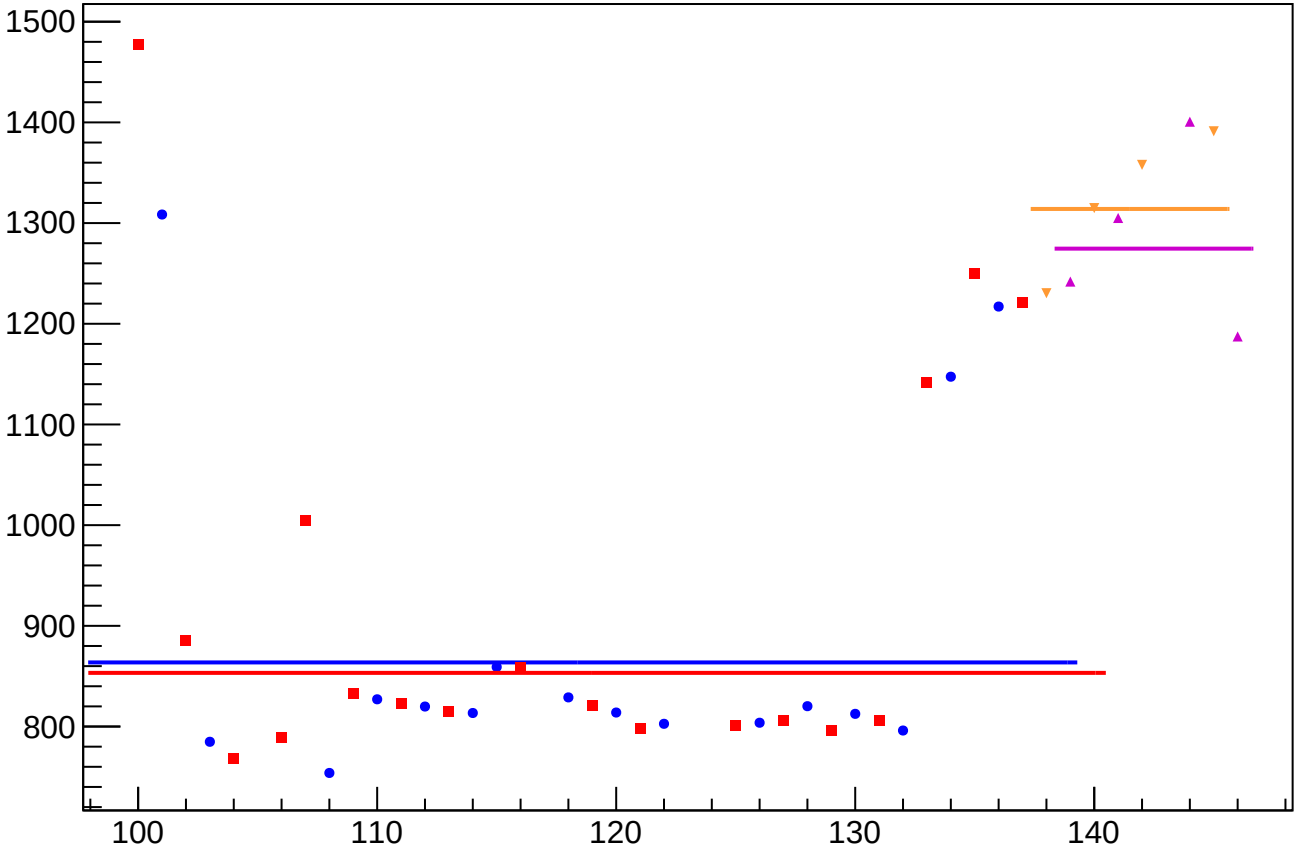
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -176.871+/-294.101 χ^2/NDF:14.7/19

Out: -256.342+/-297.276 χ^2/NDF:34.6/21

All: -216.180+/-209.075 χ^2/NDF: 49.4/41

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1314.039+/-0.549 χ^2/NDF:13117.8/3

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

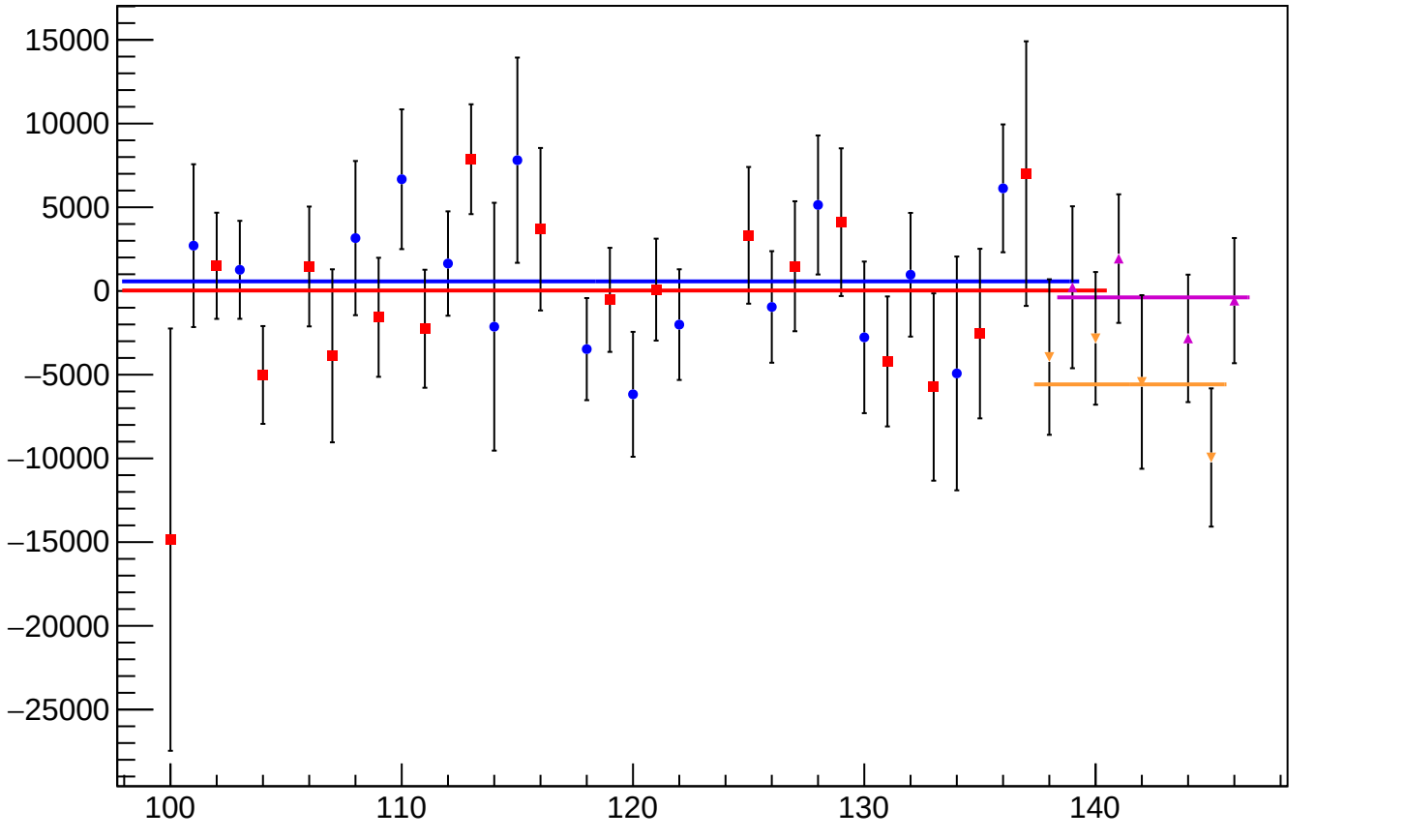
Left: 1291.734+/-0.362 χ^2/NDF: 42483.9/7

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 940.615+/-0.208 χ^2/NDF:1028263.1/19

Out: 920.322+/-0.209 χ^2/NDF:891058.4/21

All: 930.532+/-0.148 χ^2/NDF: 1924052.5/41



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -5578.012+/-2203.802 χ^2/NDF:1.7/3

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -381.957+/-1995.443 χ^2/NDF:0.8/3

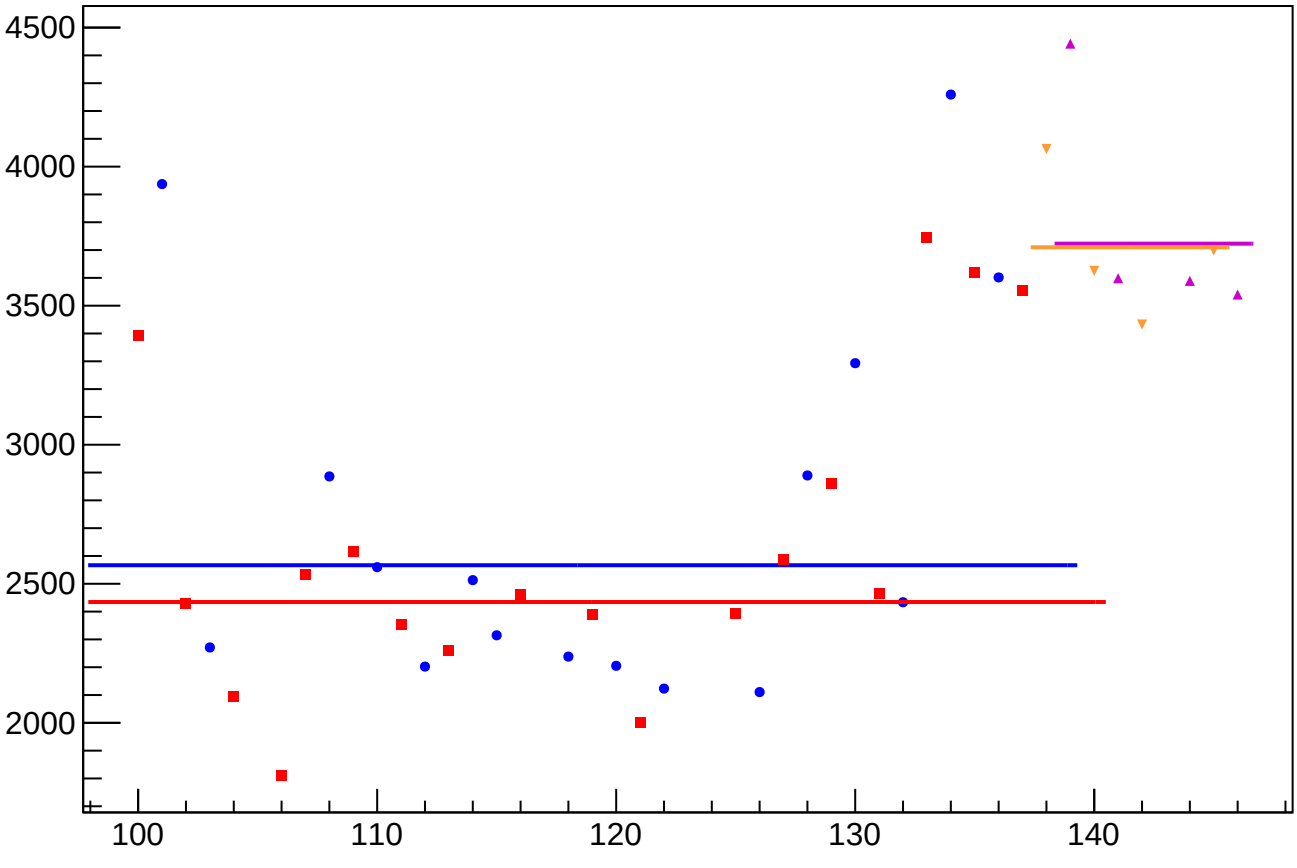
Left: -2722.798+/-1479.182 χ^2/NDF: 5.6/7

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 389.053+/-879.537 χ^2/NDF:15.7/19

Out: -806.730+/-850.653 χ^2/NDF:24.4/21

All: -228.796+/-611.459 χ^2/NDF: 41.1/41



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3709.887+/-1.558 χ^2/NDF:18251.0/3

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3723.016+/-1.411 χ^2/NDF:53592.6/3

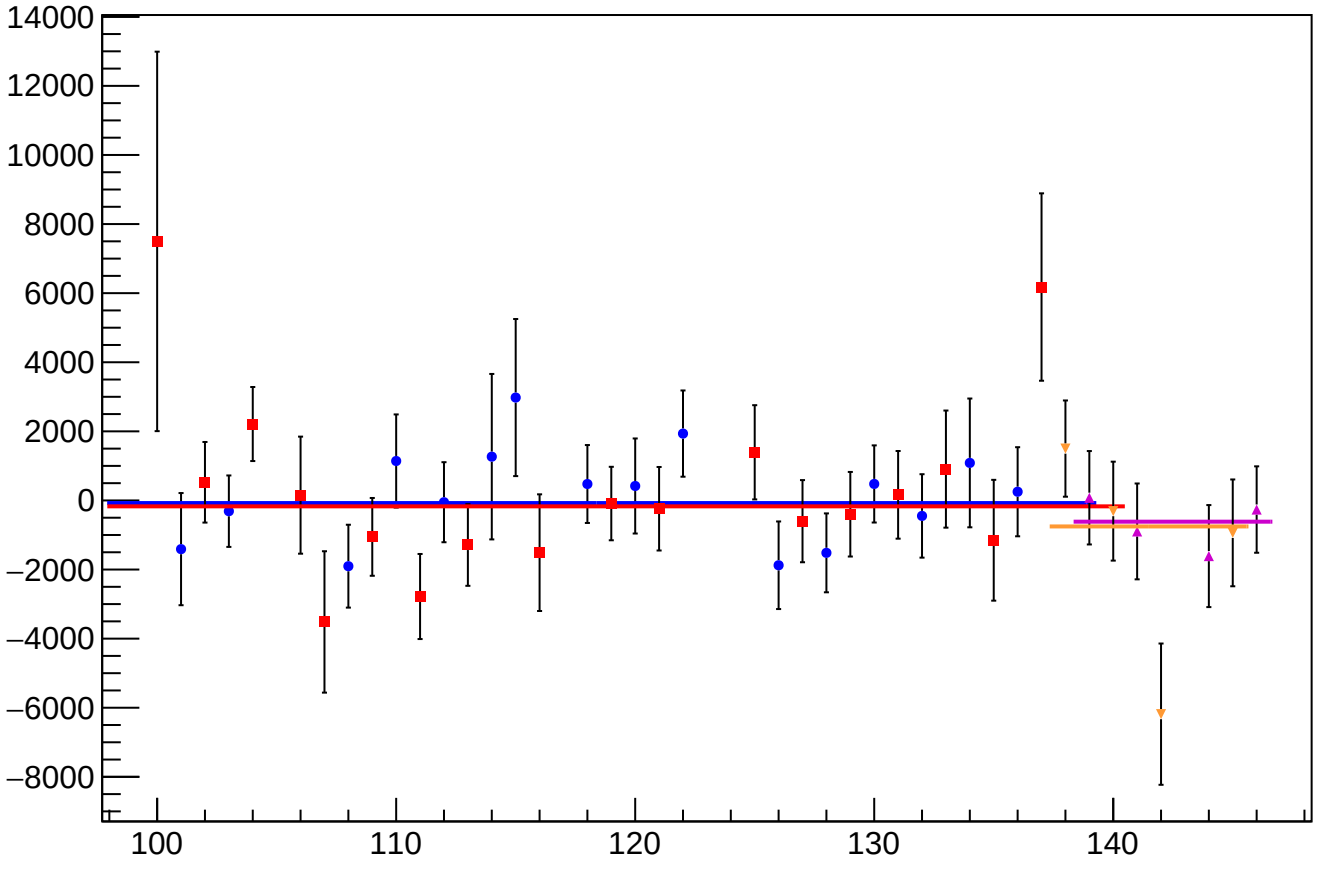
Left: 3717.101+/-1.046 χ^2/NDF: 71882.7/7

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2791.376+/-0.622 χ^2/NDF:1260547.1/19

Out: 2624.461+/-0.602 χ^2/NDF:1022429.1/21

All: 2705.133+/-0.432 χ^2/NDF: 2320193.1/41



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -752.541+/-775.946 χ^2/NDF:9.8/3

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -614.595+/-679.645 χ^2/NDF:0.8/3

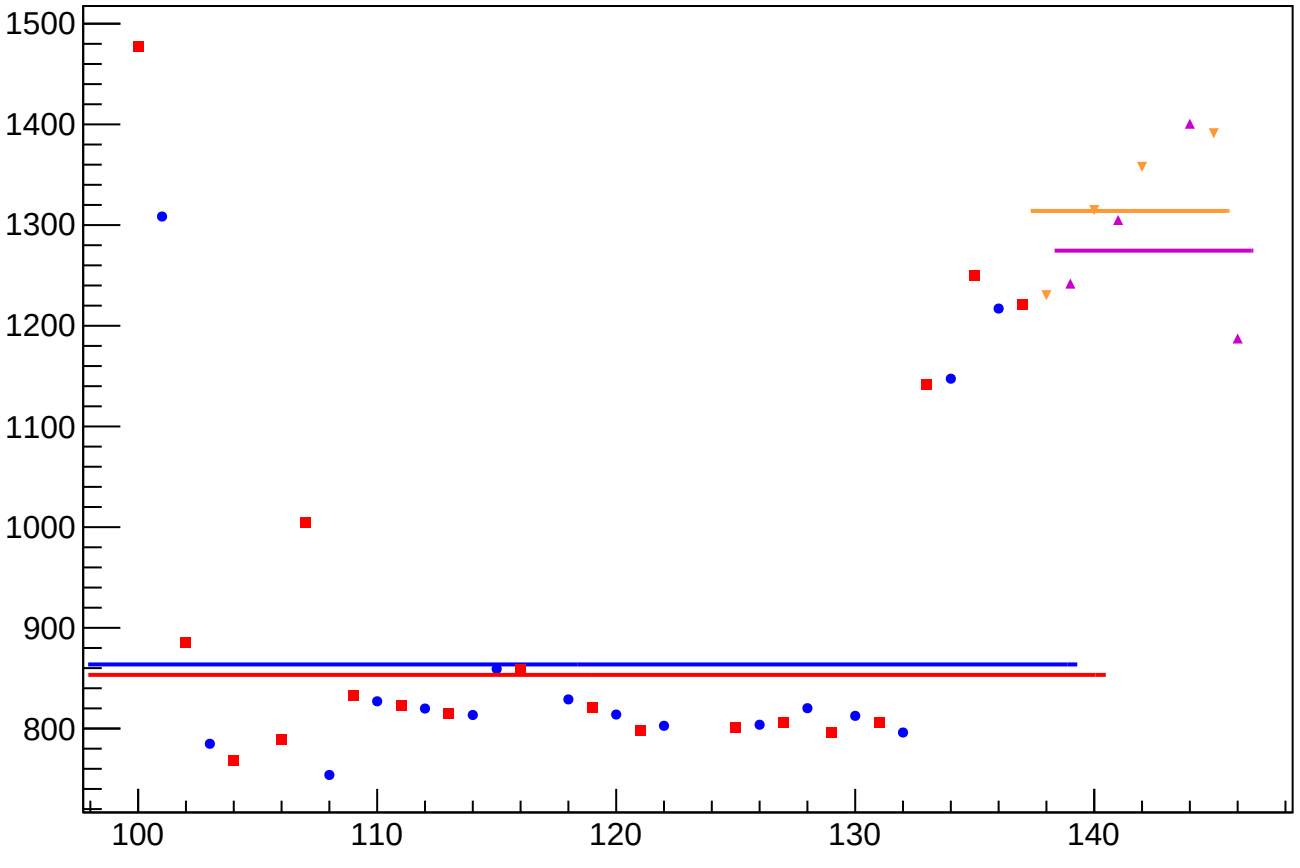
Left: -674.481+/-511.259 χ^2/NDF: 10.6/7

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -176.871+/-294.101 χ^2/NDF:14.7/19

Out: -256.342+/-297.276 χ^2/NDF:34.6/21

All: -216.180+/-209.075 χ^2/NDF: 49.4/41



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1314.039+/-0.549 χ^2/NDF:13117.8/3

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

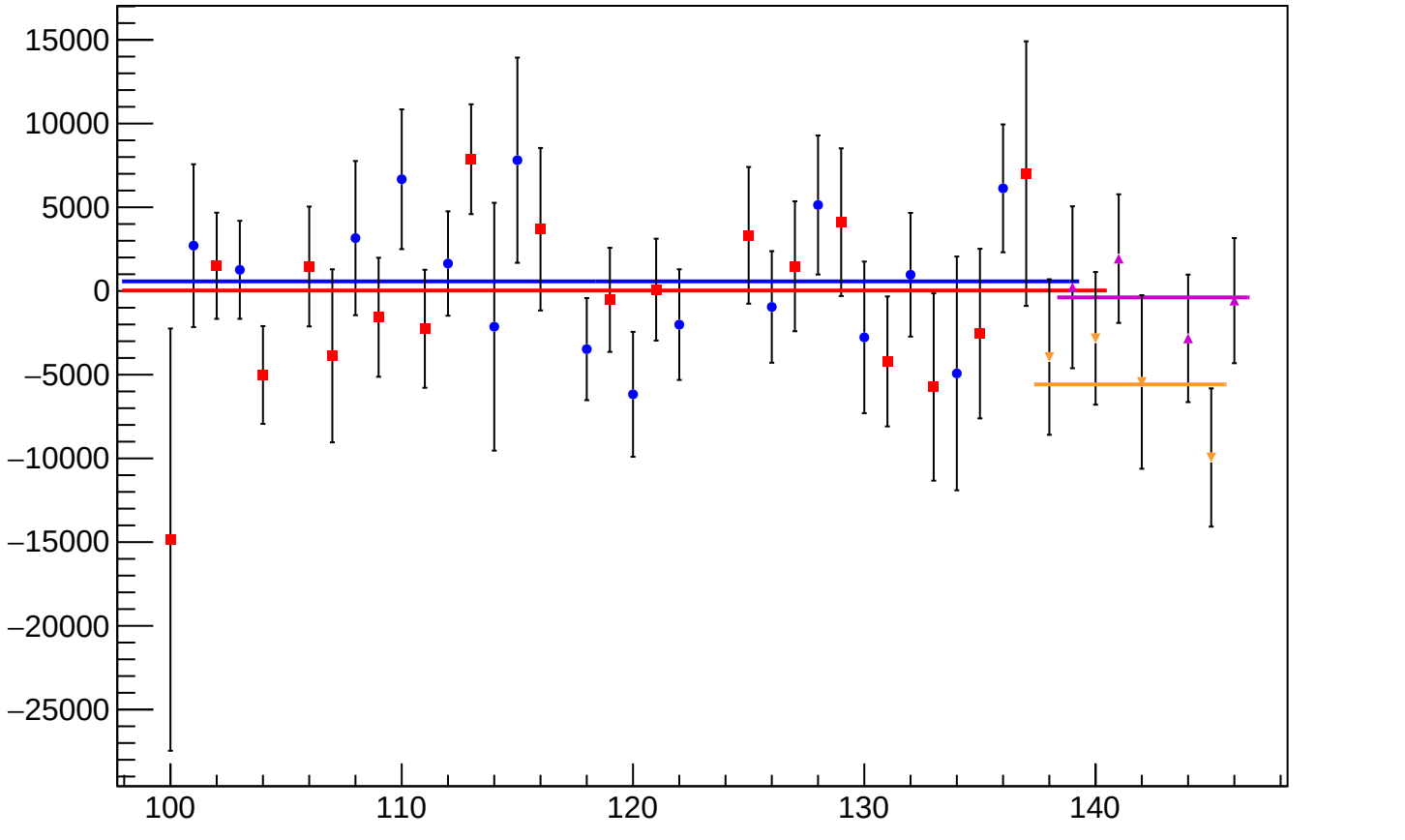
Left: 1291.734+/-0.362 χ^2/NDF: 42483.9/7

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 940.615+/-0.208 χ^2/NDF:1028263.1/19

Out: 920.322+/-0.209 χ^2/NDF:891058.4/21

All: 930.532+/-0.148 χ^2/NDF: 1924052.5/41



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -5578.012+/-2203.802 χ^2/NDF:1.7/3

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -381.957+/-1995.443 χ^2/NDF:0.8/3

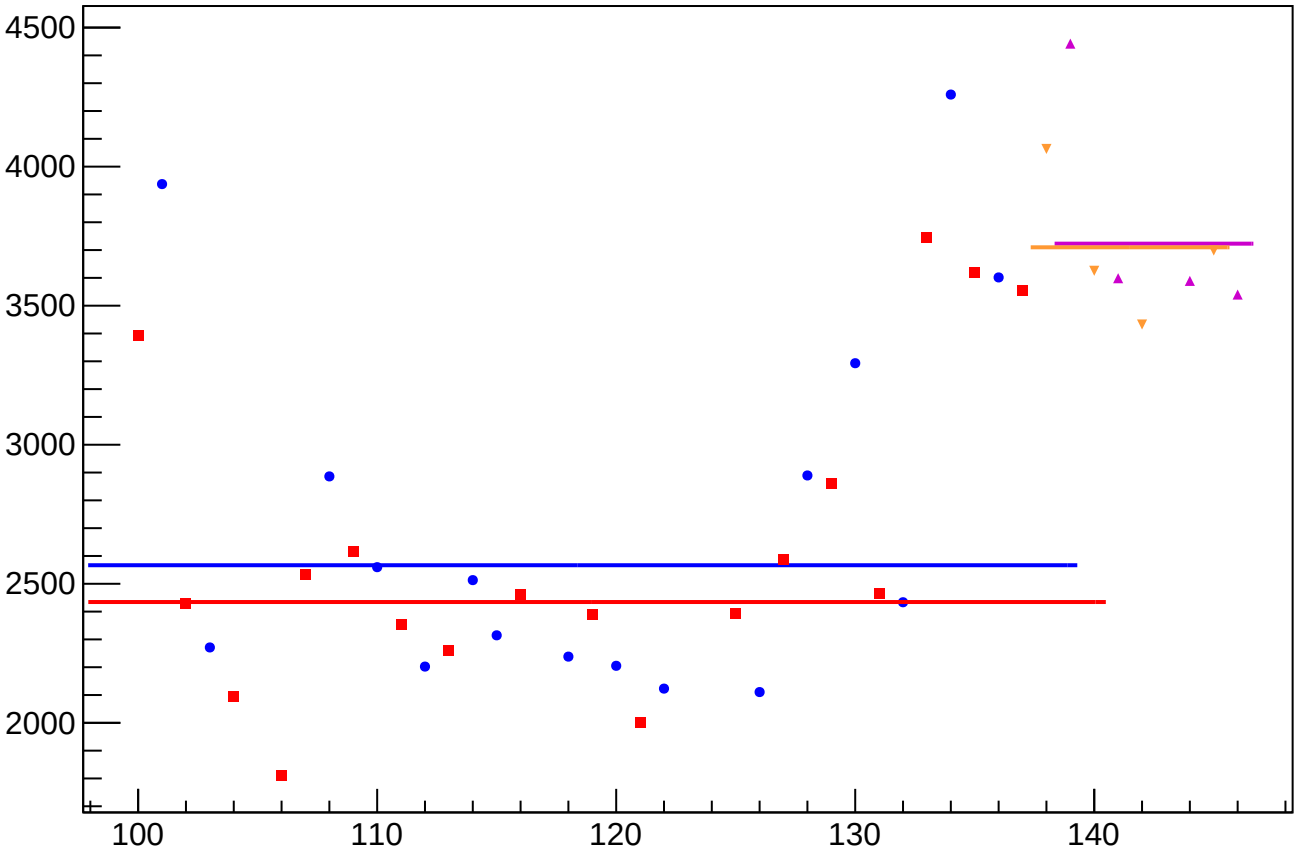
Left: -2722.798+/-1479.182 χ^2/NDF: 5.6/7

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 389.053+/-879.537 χ^2/NDF:15.7/19

Out: -806.730+/-850.653 χ^2/NDF:24.4/21

All: -228.796+/-611.459 χ^2/NDF: 41.1/41



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3709.887+/-1.558 χ^2/NDF:18251.0/3

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3723.016+/-1.411 χ^2/NDF:53592.6/3

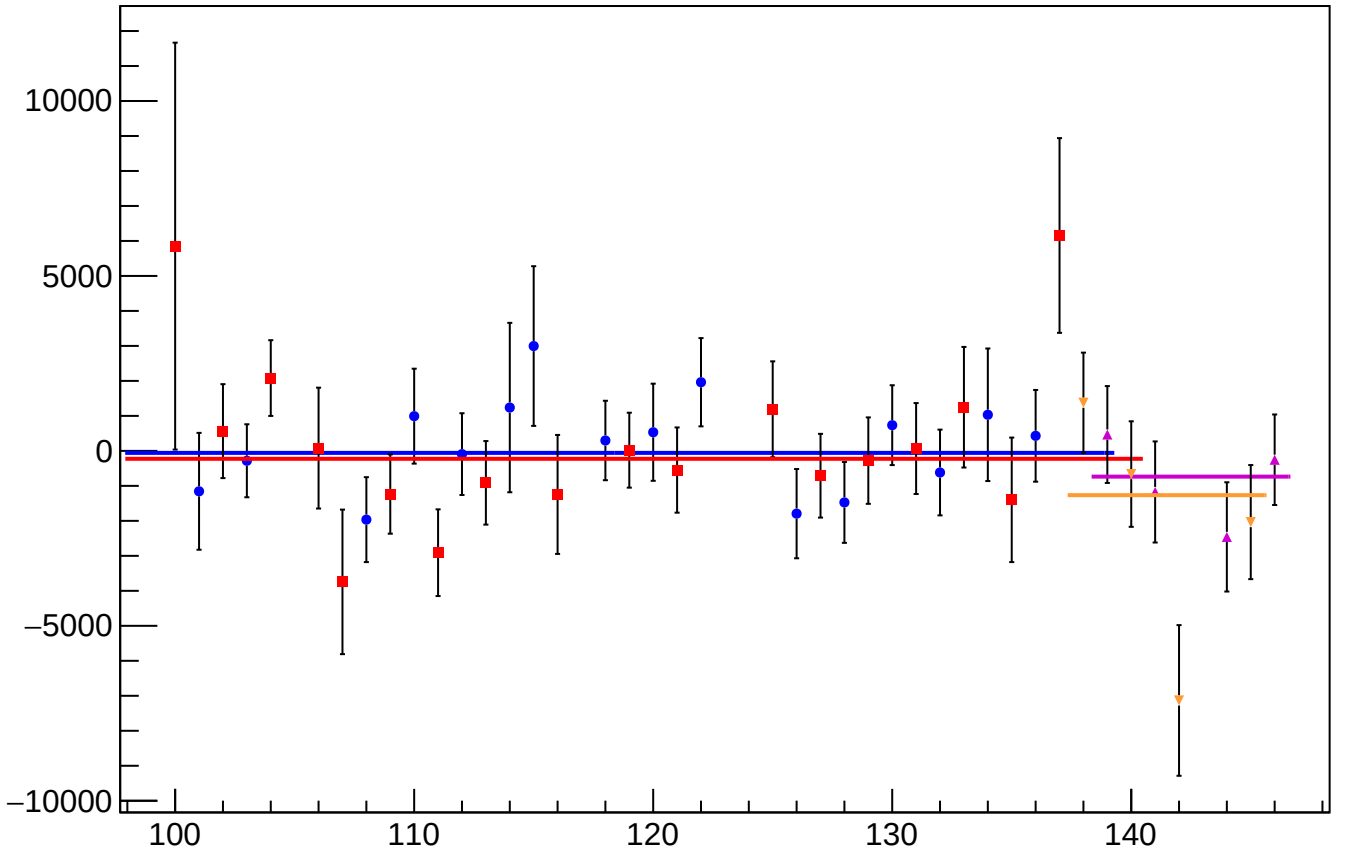
Left: 3717.101+/-1.046 χ^2/NDF: 71882.7/7

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2791.376+/-0.622 χ^2/NDF:1260547.1/19

Out: 2624.461+/-0.602 χ^2/NDF:1022429.1/21

All: 2705.133+/-0.432 χ^2/NDF: 2320193.1/41



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: -1265.627+/-811.203 χ^2/NDF:11.2/3

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -735.889+/-705.577 χ^2/NDF:2.2/3

Left: -964.046+/-532.373 χ^2/NDF: 13.7/7

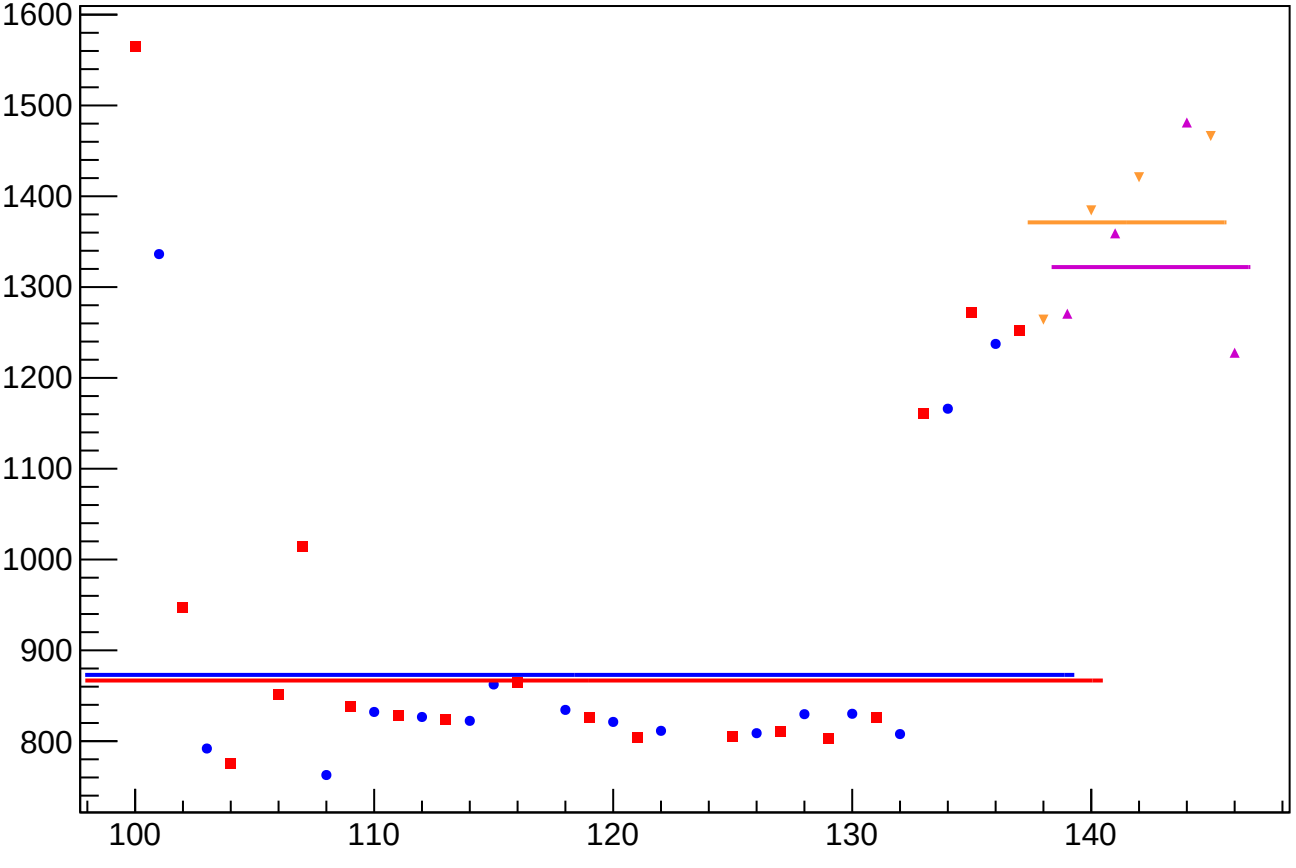
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -179.073+/-298.987 χ^2/NDF:15.9/19

Out: -372.201+/-304.138 χ^2/NDF:35.5/21

All: -273.988+/-213.214 χ^2/NDF: 51.7/41

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1371.259+/-0.574 χ^2/NDF:19217.9/3

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1322.032+/-0.499 χ^2/NDF:35499.8/3

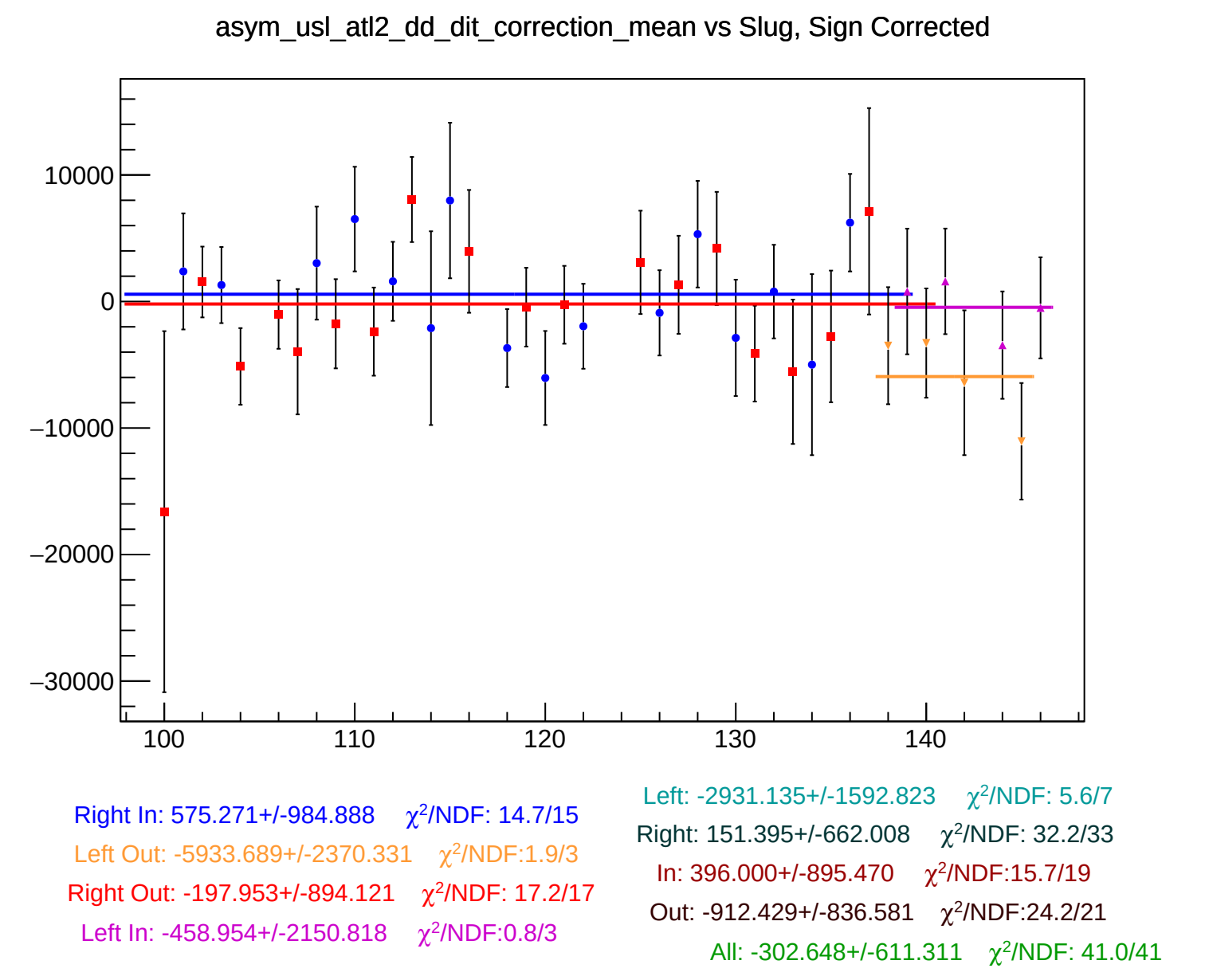
Left: 1343.234+/-0.376 χ^2/NDF: 58910.8/7

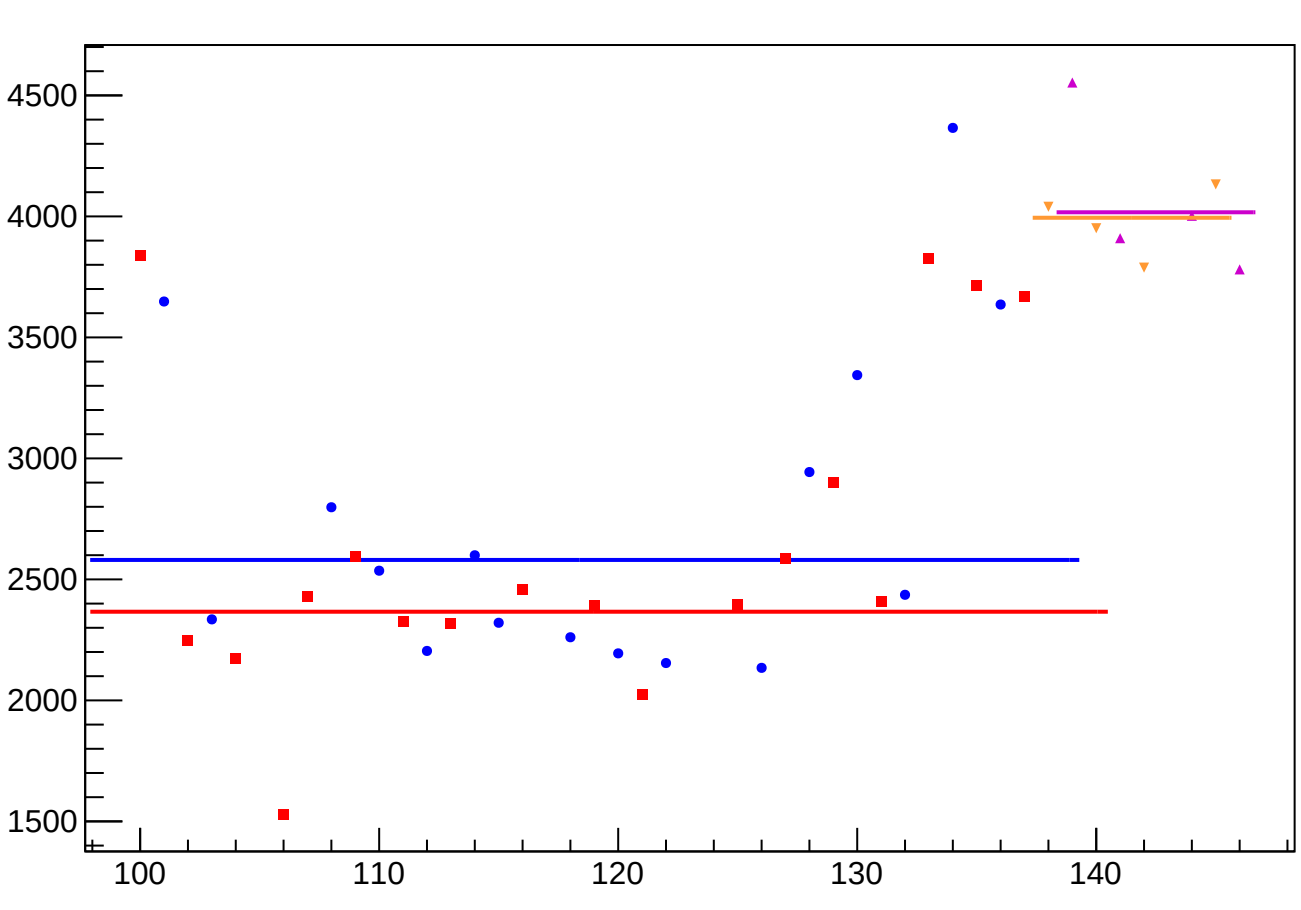
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 953.606+/-0.211 χ^2/NDF:1117252.5/19

Out: 937.566+/-0.215 χ^2/NDF:974578.4/21

All: 945.716+/-0.151 χ^2/NDF: 2094662.2/41


asym_usl_atl2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
Right In: 575.271+/-984.888 χ²/NDF: 14.7/15
Left Out: -5933.689+/-2370.331 χ²/NDF:1.9/3
Right Out: -197.953+/-894.121 χ²/NDF: 17.2/17
Left In: -458.954+/-2150.818 χ²/NDF:0.8/3
Left: -2931.135+/-1592.823 χ²/NDF: 5.6/7
Right: 151.395+/-662.008 χ²/NDF: 32.2/33
In: 396.000+/-895.470 χ²/NDF:15.7/19
Out: -912.429+/-836.581 χ²/NDF:24.2/21
All: -302.648+/-611.311 χ²/NDF: 41.0/41



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3994.427+/-1.676 χ^2/NDF:4779.7/3

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4017.068+/-1.521 χ^2/NDF:31634.7/3

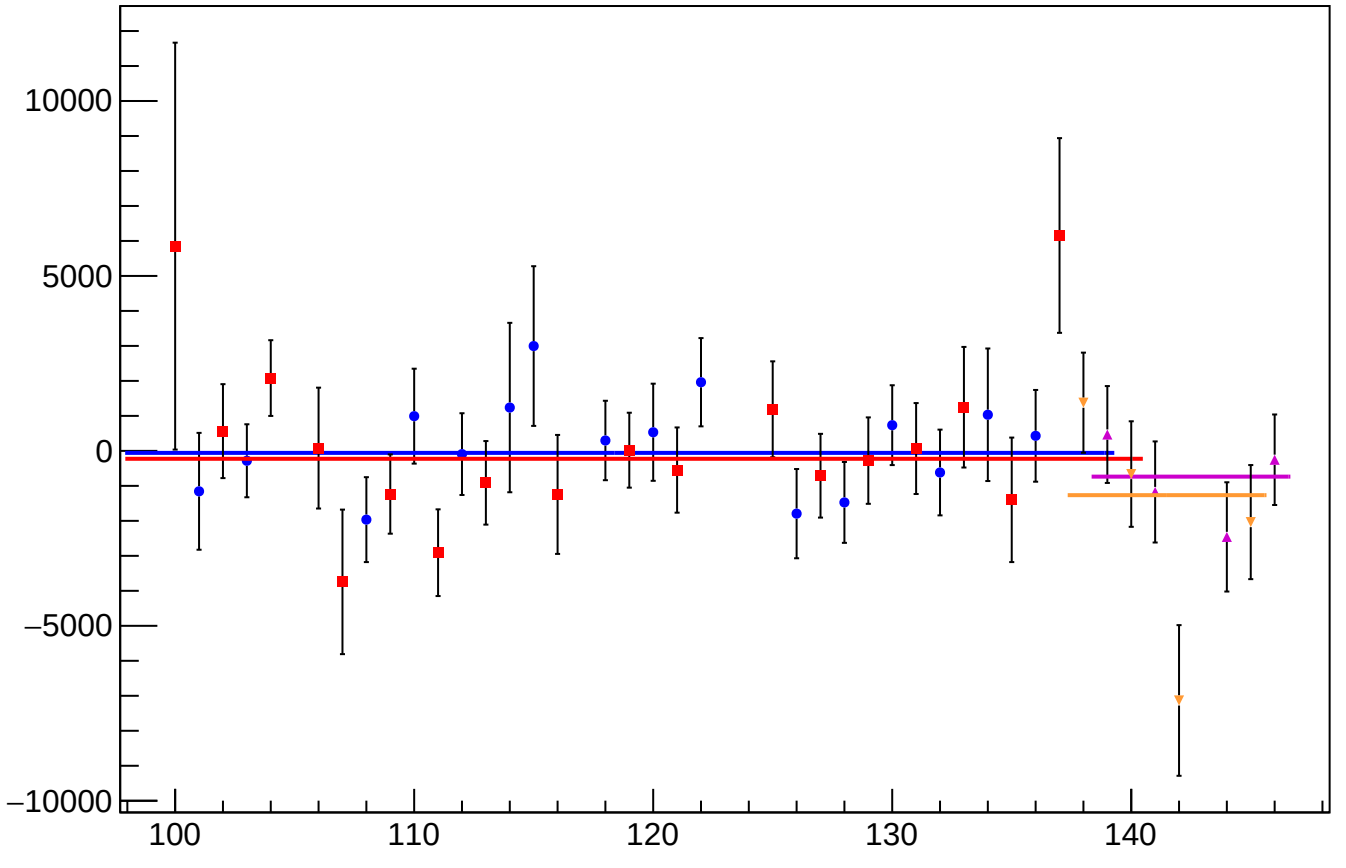
Left: 4006.844+/-1.126 χ^2/NDF: 36514.5/7

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2829.410+/-0.633 χ^2/NDF:1386486.8/19

Out: 2569.207+/-0.592 χ^2/NDF:1442422.0/21

All: 2690.472+/-0.432 χ^2/NDF: 2919078.9/41



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: -1265.643+/-811.204 χ^2/NDF:11.2/3

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -735.891+/-705.578 χ^2/NDF:2.2/3

Left: -964.054+/-532.373 χ^2/NDF: 13.7/7

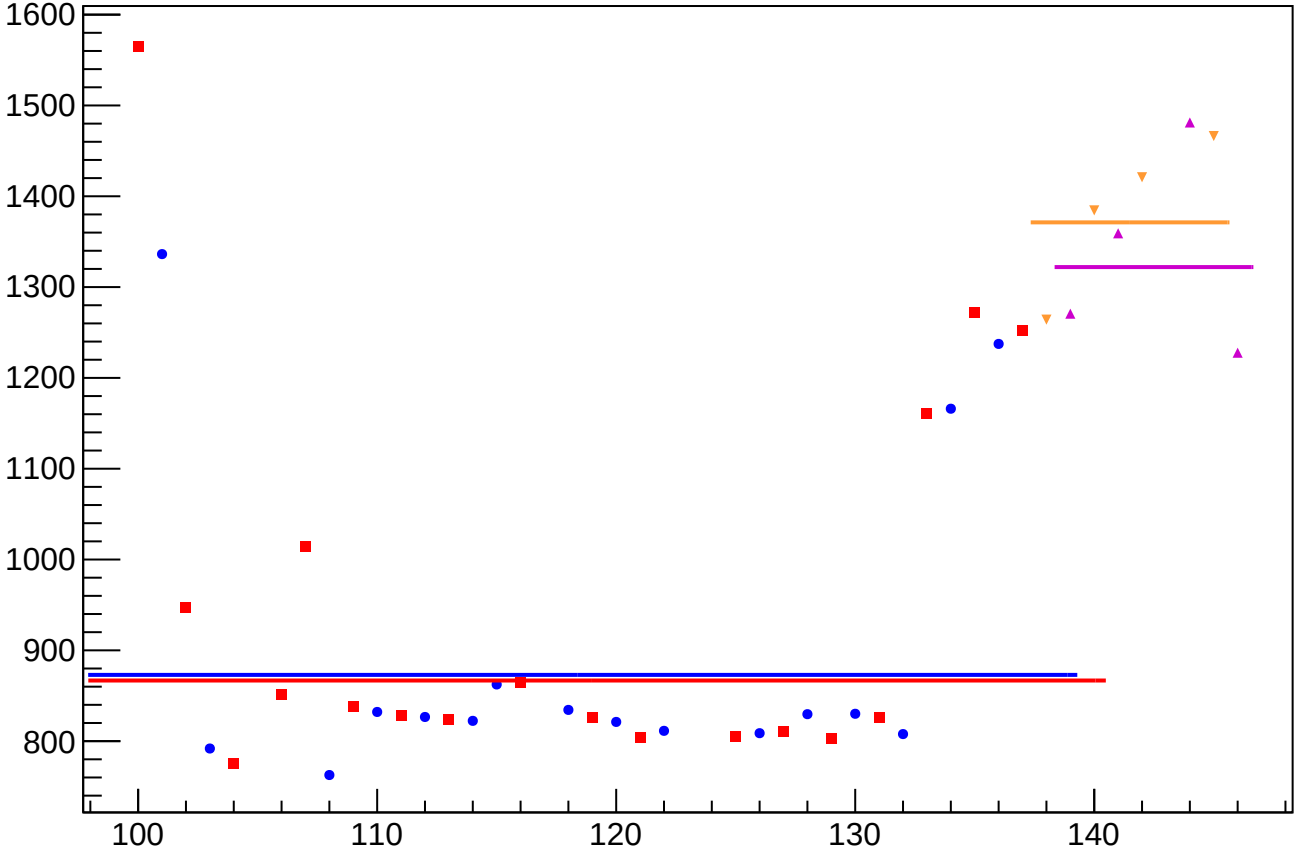
Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -179.076+/-298.987 χ^2/NDF:15.9/19

Out: -372.206+/-304.138 χ^2/NDF:35.5/21

All: -273.992+/-213.214 χ^2/NDF: 51.7/41

eigen_dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1371.261+/-0.574 χ^2/NDF:19218.6/3

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1322.033+/-0.499 χ^2/NDF:35500.1/3

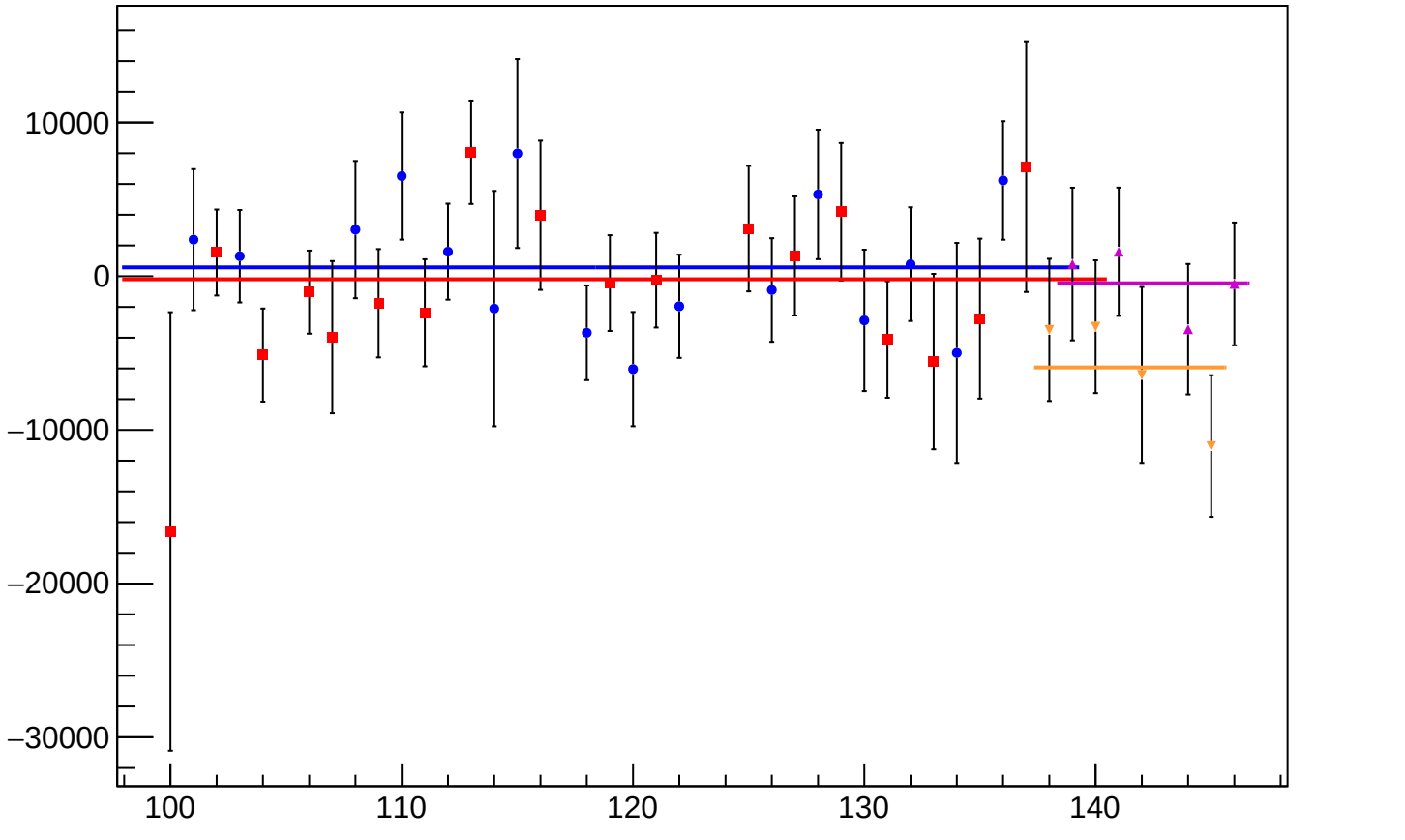
Left: 1343.235+/-0.376 χ^2/NDF: 58911.7/7

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 953.606+/-0.211 χ^2/NDF:1117255.3/19

Out: 937.566+/-0.215 χ^2/NDF:974581.8/21

All: 945.716+/-0.151 χ^2/NDF: 2094668.5/41



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -5933.713+/-2370.338 χ^2/NDF:1.9/3

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -458.955+/-2150.823 χ^2/NDF:0.8/3

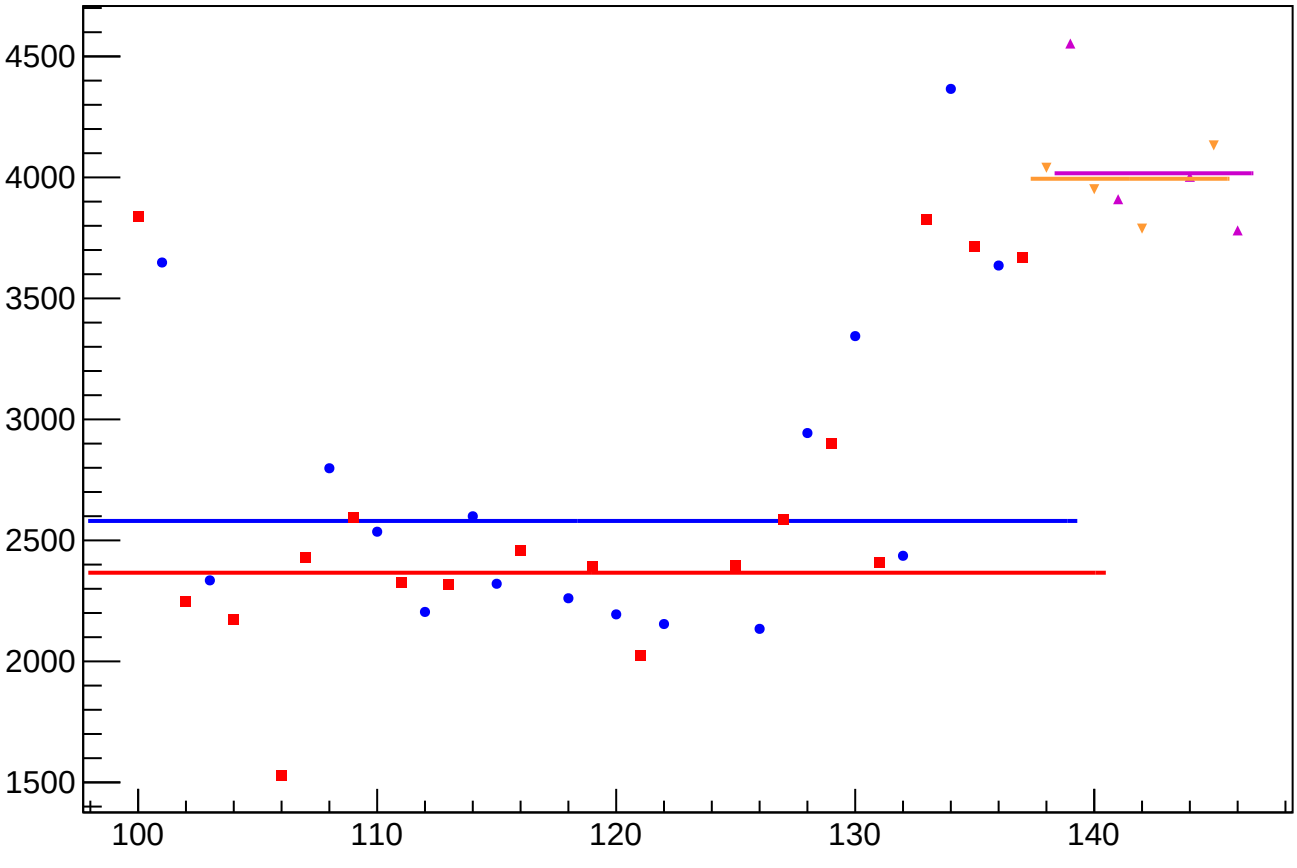
Left: -2931.144+/-1592.827 χ^2/NDF: 5.6/7

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 395.998+/-895.468 χ^2/NDF:15.7/19

Out: -912.426+/-836.580 χ^2/NDF:24.2/21

All: -302.648+/-611.310 χ^2/NDF: 41.0/41



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3994.439+/-1.676 χ^2/NDF:4779.7/3

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4017.076+/-1.521 χ^2/NDF:31635.7/3

Left: 4006.854+/-1.126 χ^2/NDF: 36515.4/7

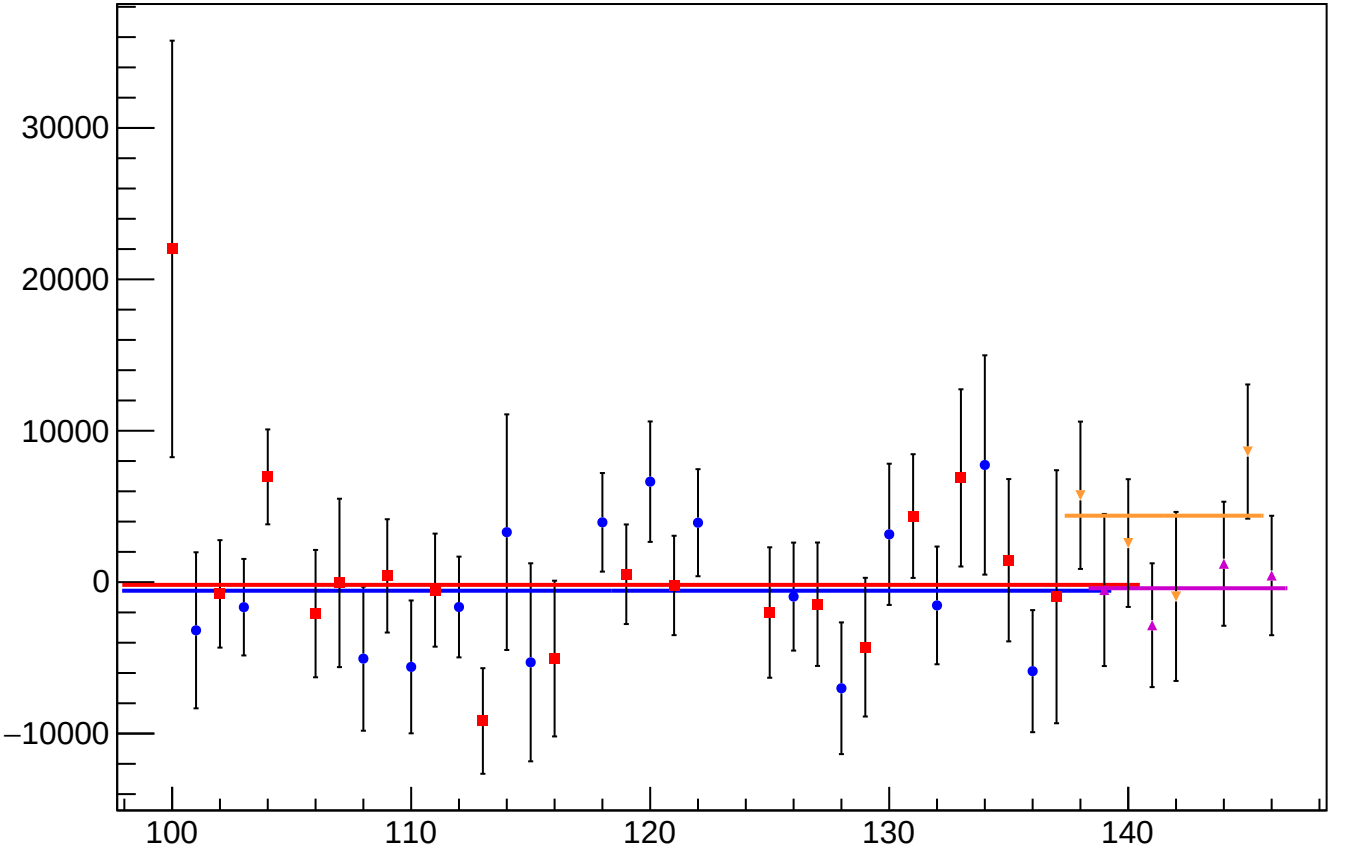
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2829.403+/-0.633 χ^2/NDF:1386510.1/19

Out: 2569.200+/-0.592 χ^2/NDF:1442440.9/21

All: 2690.465+/-0.432 χ^2/NDF: 2919120.7/41

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 4389.675+/-2347.670 χ^2/NDF:2.1/3

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -402.545+/-2116.431 χ^2/NDF:0.6/3

Left: 1745.994+/-1571.956 χ^2/NDF: 4.9/7

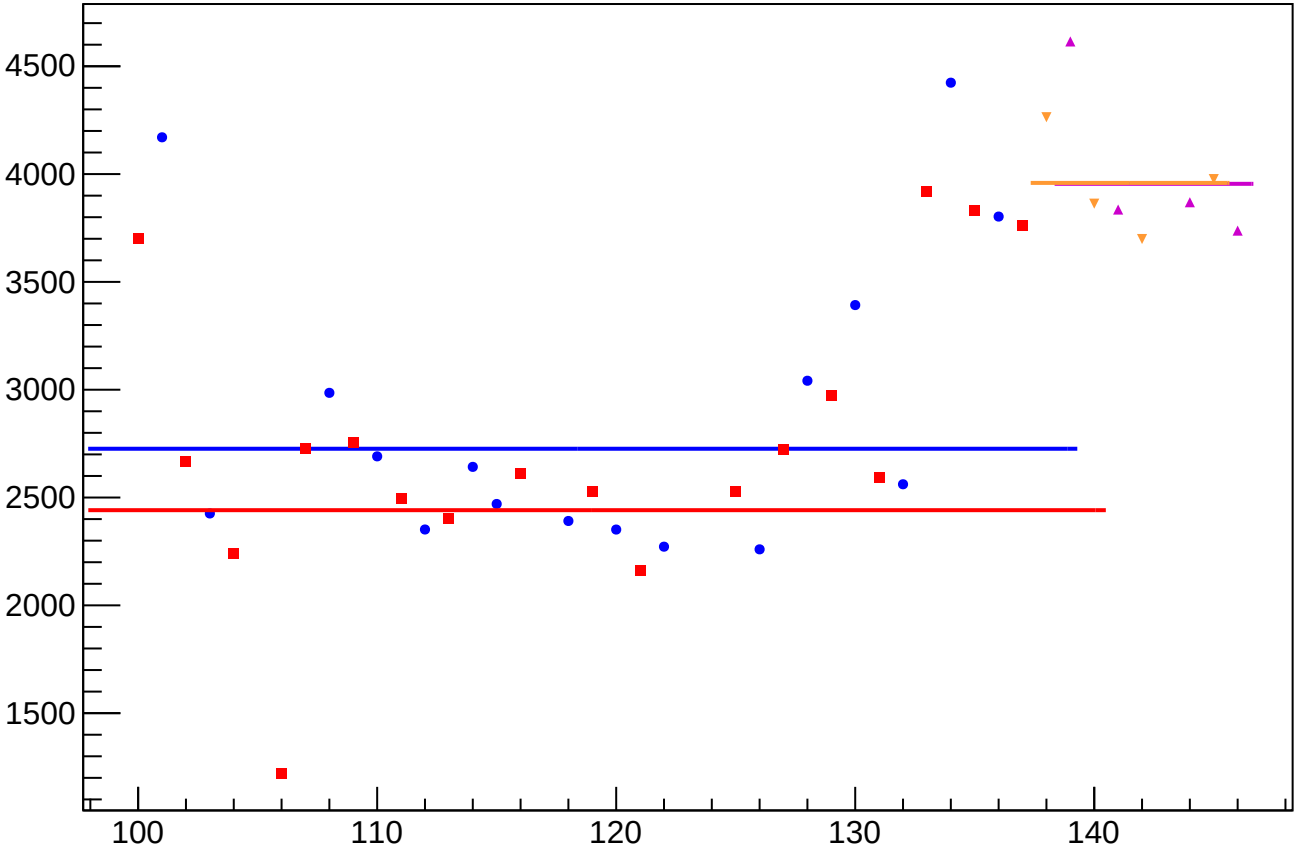
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -534.270+/-933.622 χ^2/NDF:16.8/19

Out: 509.221+/-910.951 χ^2/NDF:24.8/21

All: 0.299+/-652.007 χ^2/NDF: 42.2/41

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3959.081+/-1.660 χ^2/NDF:13258.8/3

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3954.810+/-1.497 χ^2/NDF:43166.1/3

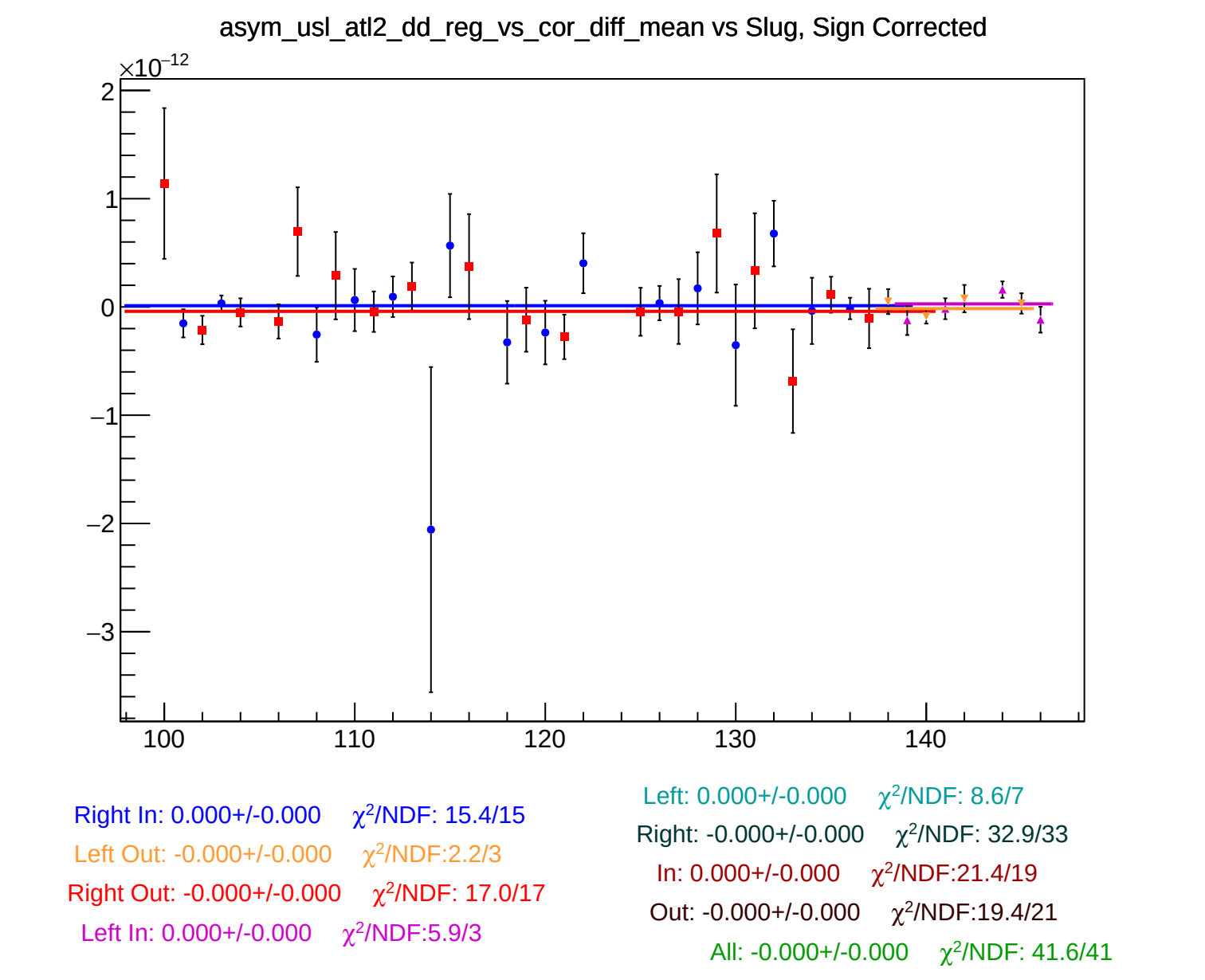
Left: 3956.725+/-1.112 χ^2/NDF: 56428.6/7

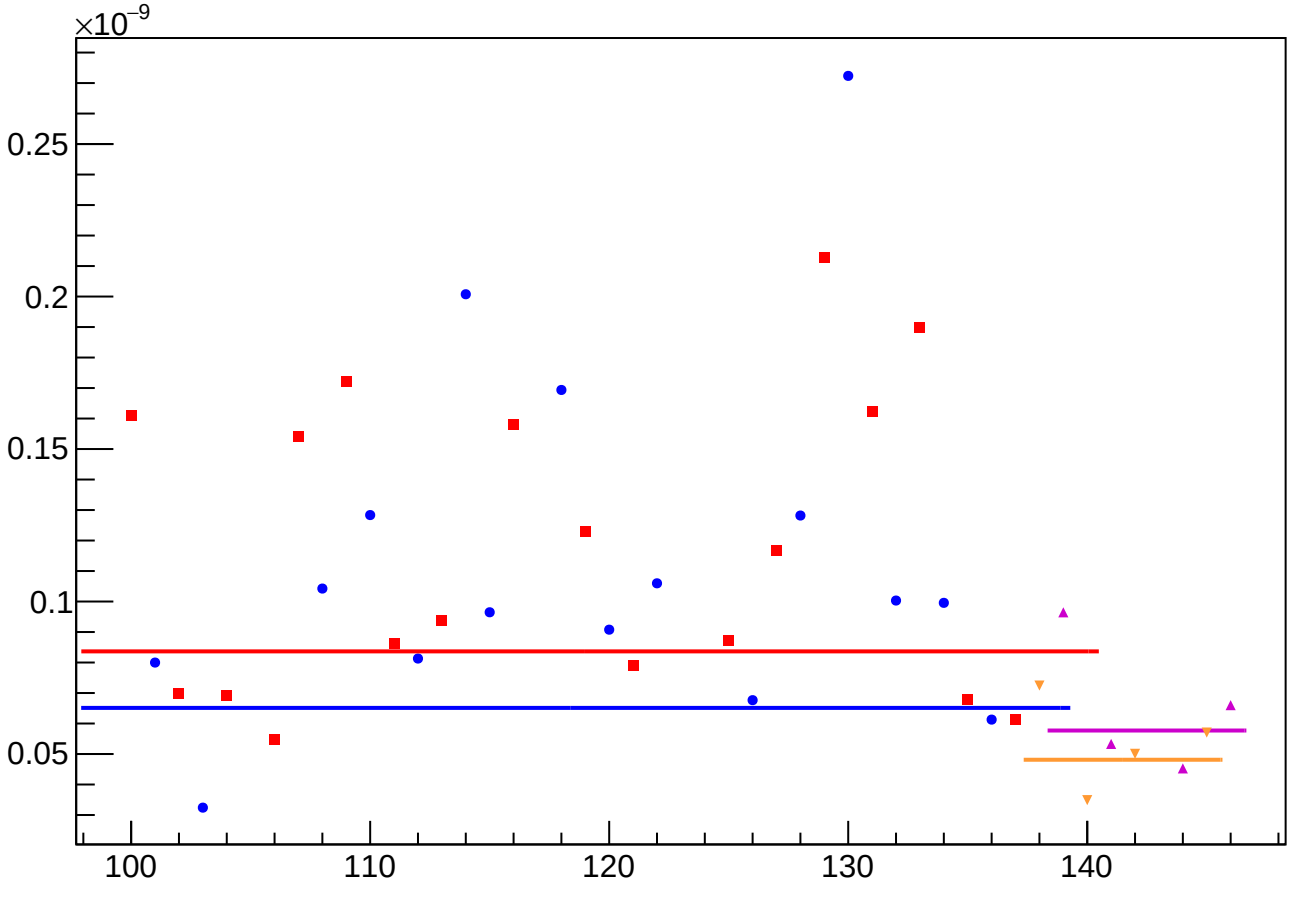
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 2965.307+/-0.660 χ^2/NDF:1209048.1/19

Out: 2652.292+/-0.619 χ^2/NDF:1624092.9/21

All: 2798.701+/-0.451 χ^2/NDF: 2952799.9/41


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:2.2/3
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:5.9/3
Left: 0.000+/-0.000 χ²/NDF: 8.6/7
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:21.4/19
Out: -0.000+/-0.000 χ²/NDF:19.4/21
All: -0.000+/-0.000 χ²/NDF: 41.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:185950.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:226635.7/3

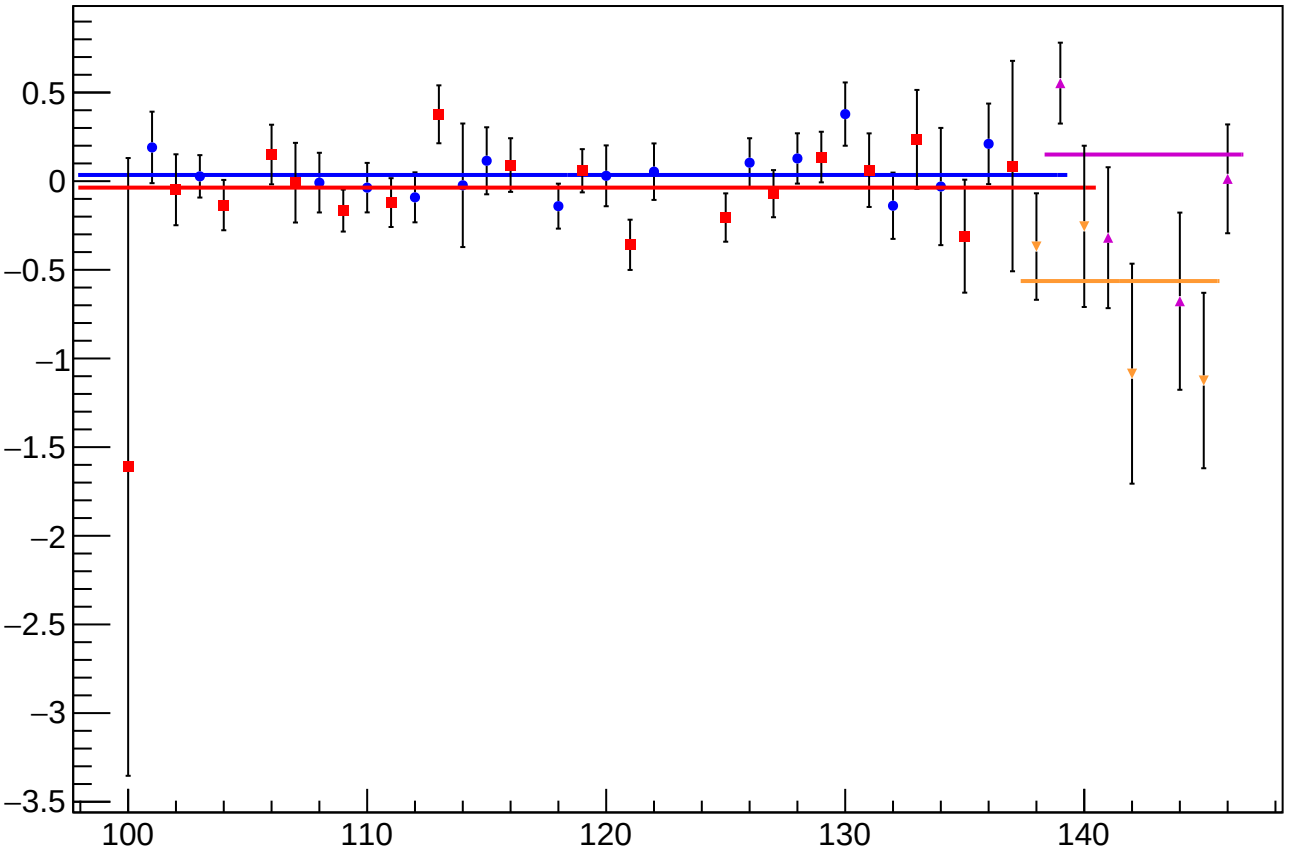
Left: 0.000+/-0.000 χ^2/NDF: 452708.0/7

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1474187.1/19

Out: 0.000+/-0.000 χ^2/NDF:1387342.9/21

All: 0.000+/-0.000 χ^2/NDF: 2863203.5/41



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.563+/-0.210 χ^2/NDF:2.9/3

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.150+/-0.158 χ^2/NDF:7.5/3

Left: -0.107+/-0.126 χ^2/NDF: 17.7/7

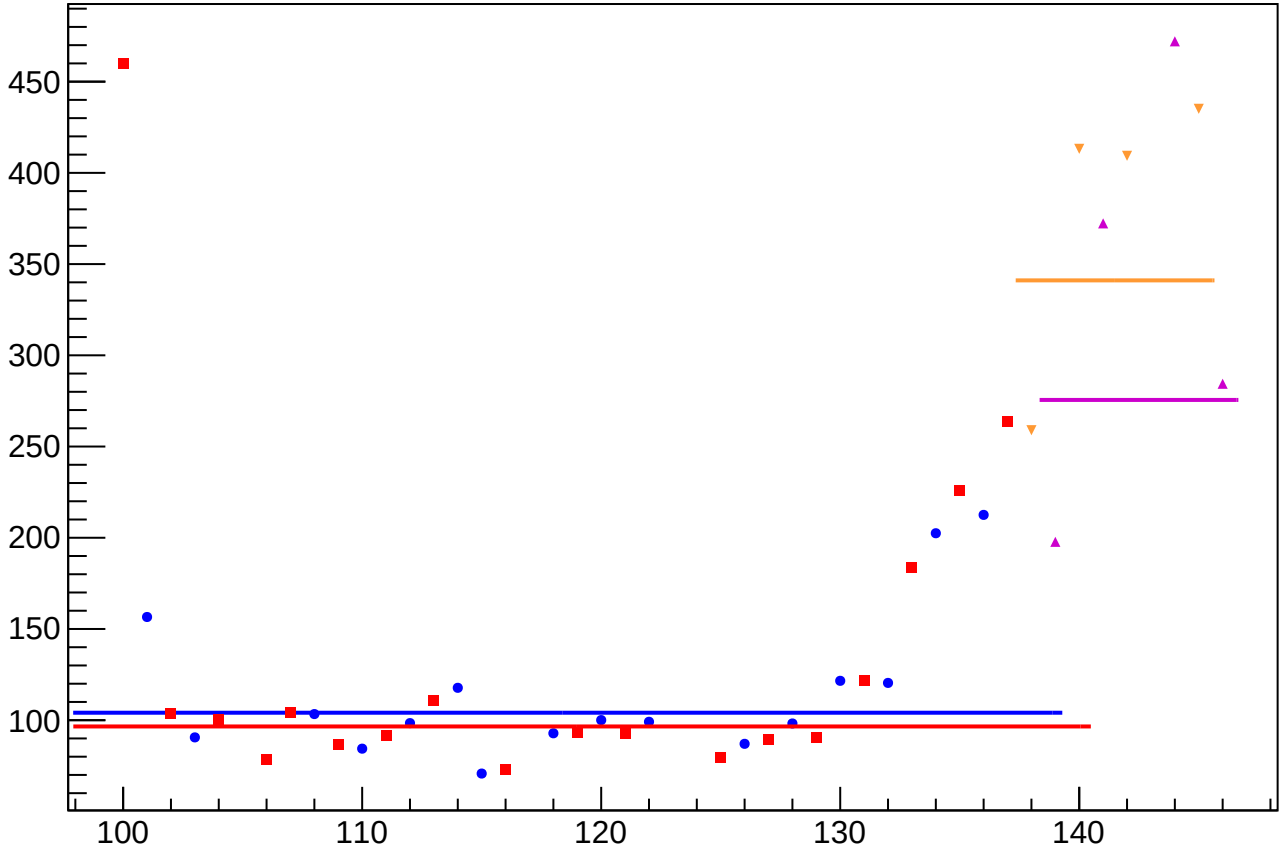
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.040 χ^2/NDF:17.7/19

Out: -0.054+/-0.038 χ^2/NDF:31.0/21

All: -0.008+/-0.028 χ^2/NDF: 51.7/41

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 341.072+/-0.149 χ^2/NDF:296311.7/3

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 275.542+/-0.112 χ^2/NDF:662279.9/3

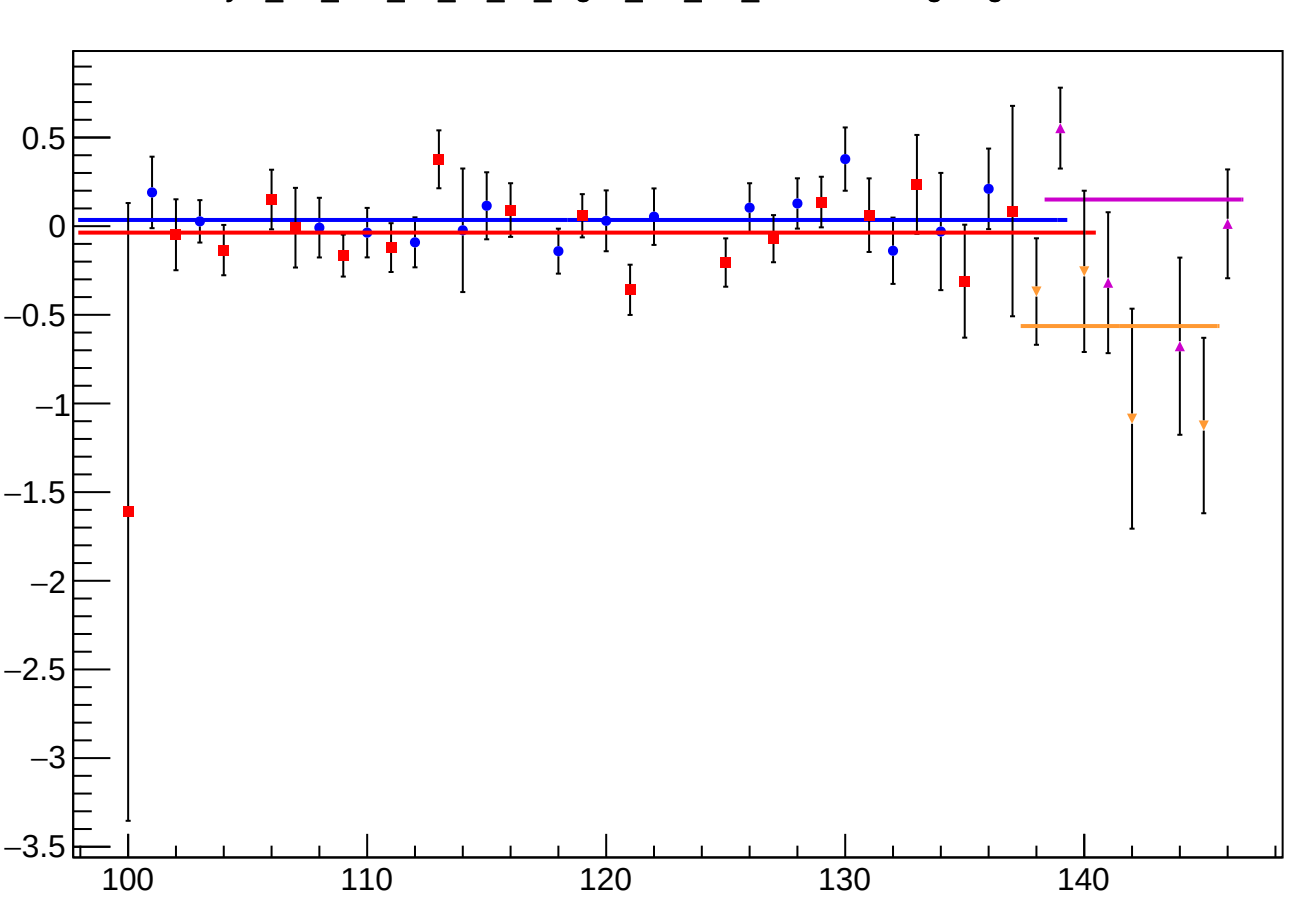
Left: 299.138+/-0.089 χ^2/NDF: 1082826.7/7

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 114.960+/-0.028 χ^2/NDF:3864214.9/19

Out: 104.656+/-0.027 χ^2/NDF:3865213.1/21

All: 109.615+/-0.019 χ^2/NDF: 7799278.8/41



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.563+/-0.210 χ^2/NDF:2.9/3

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.150+/-0.158 χ^2/NDF:7.5/3

Left: -0.107+/-0.126 χ^2/NDF: 17.7/7

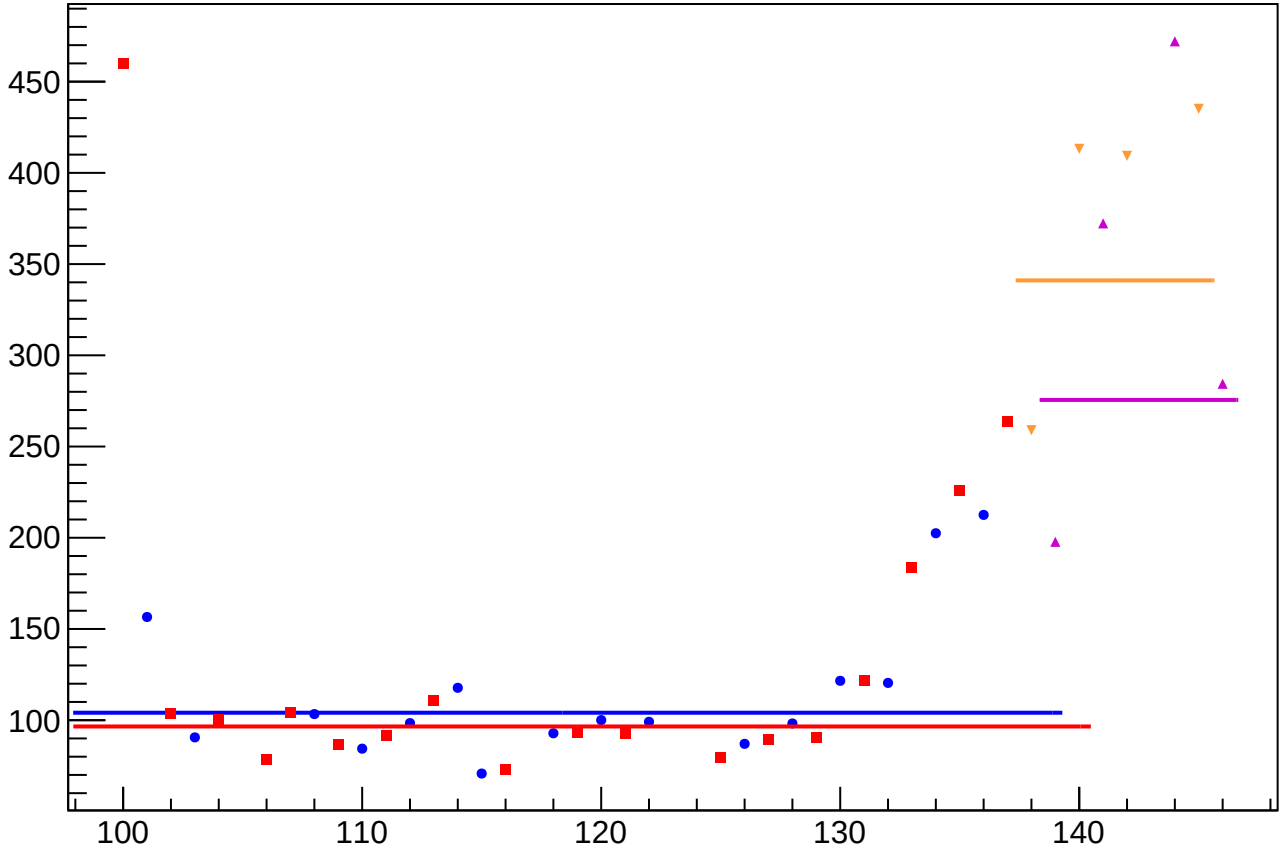
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.040 χ^2/NDF:17.7/19

Out: -0.054+/-0.038 χ^2/NDF:31.0/21

All: -0.008+/-0.028 χ^2/NDF: 51.7/41

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: 341.072+/-0.149 χ^2/NDF:296311.7/3

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 275.542+/-0.112 χ^2/NDF:662279.9/3

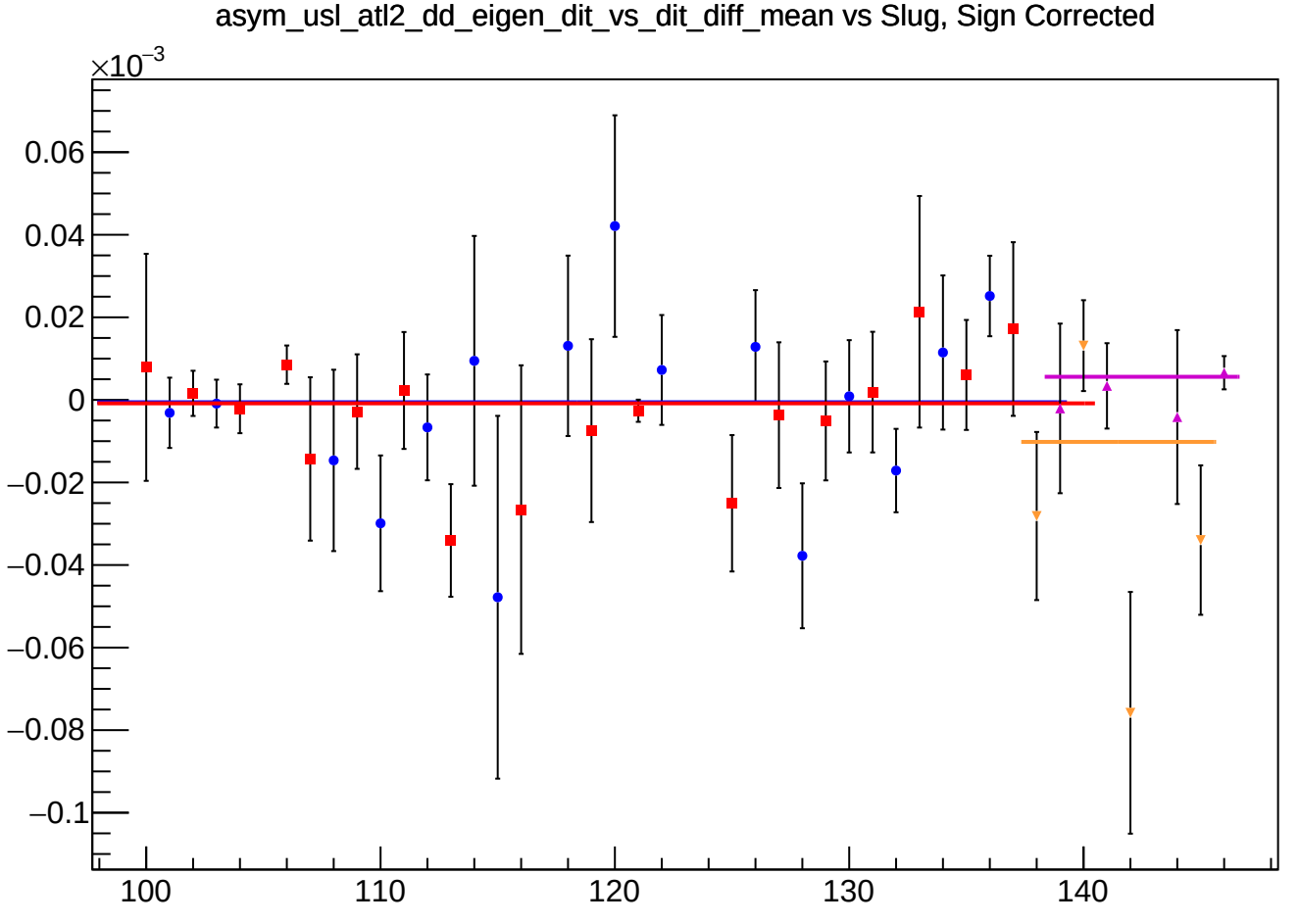
Left: 299.138+/-0.089 χ^2/NDF: 1082826.7/7

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 114.960+/-0.028 χ^2/NDF:3864214.9/19

Out: 104.656+/-0.027 χ^2/NDF:3865213.1/21

All: 109.615+/-0.019 χ^2/NDF: 7799278.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.5/3

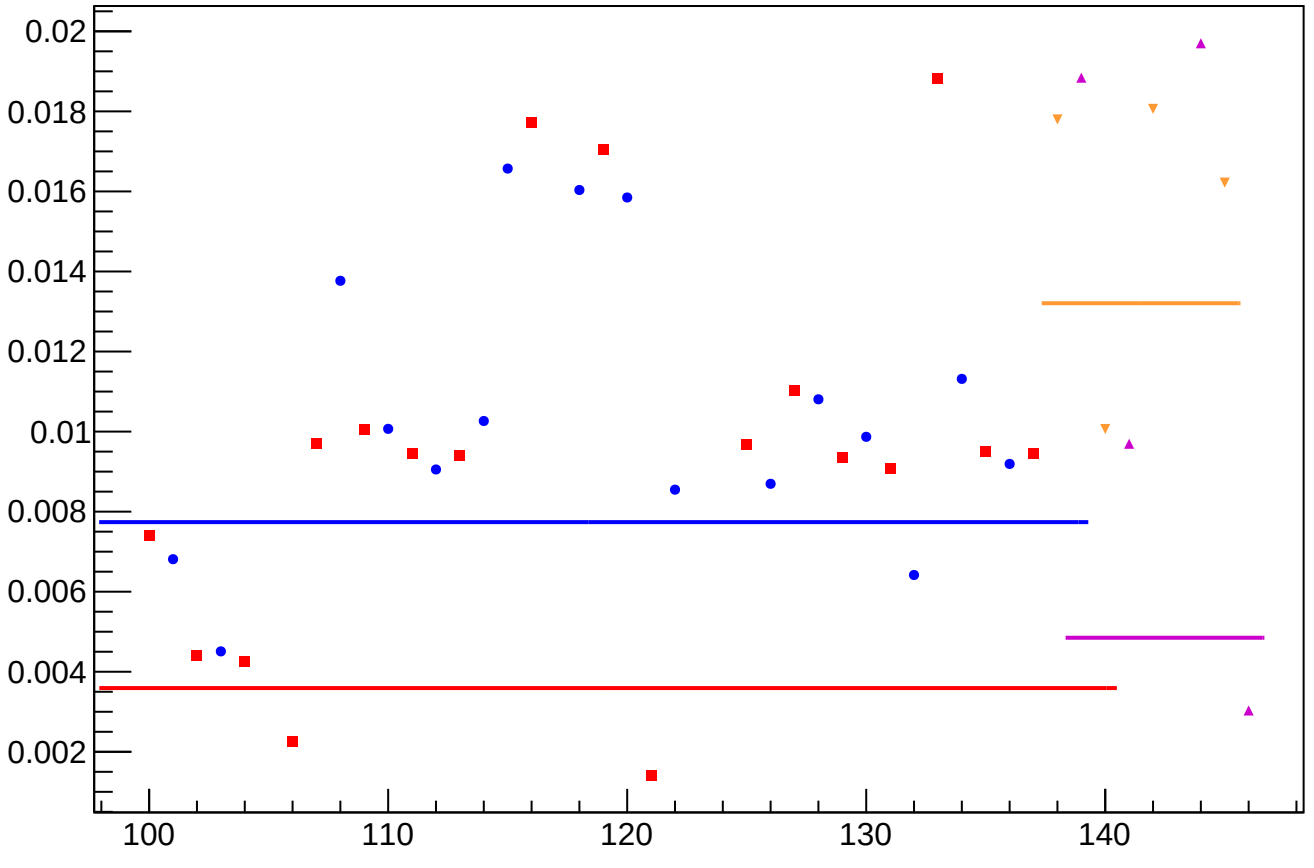
Left: 0.000+/-0.000 χ^2/NDF: 15.6/7

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: 0.000+/-0.000 χ^2/NDF:26.1/19

Out: -0.000+/-0.000 χ^2/NDF:29.1/21

All: -0.000+/-0.000 χ^2/NDF: 56.5/41



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:375196.4/3

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.005+/-0.000 χ^2/NDF:2768499.9/3

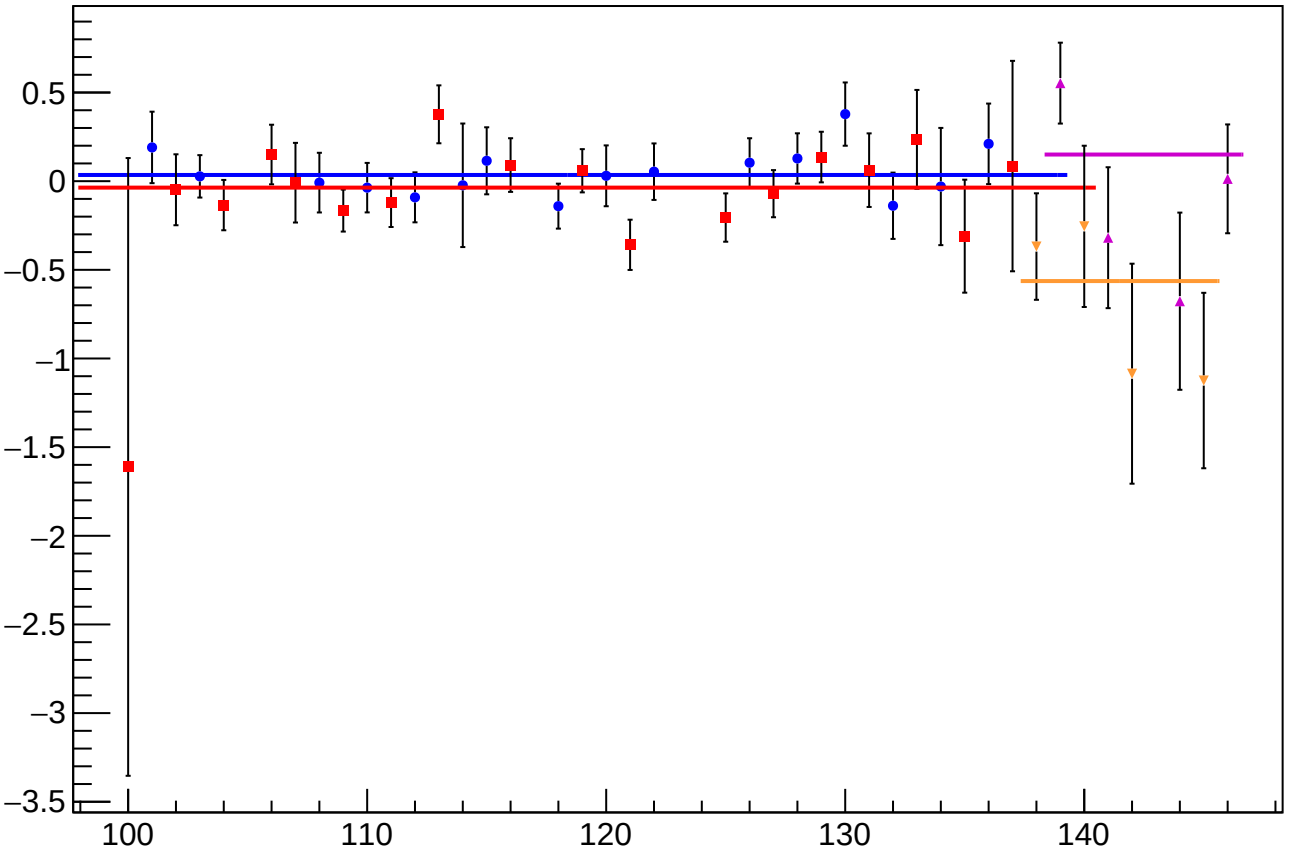
Left: 0.006+/-0.000 χ^2/NDF: 4880703.1/7

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.007+/-0.000 χ^2/NDF:5198185.1/19

Out: 0.004+/-0.000 χ^2/NDF:9359555.7/21

All: 0.005+/-0.000 χ^2/NDF: 15933353.3/41



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.563+/-0.210 χ^2/NDF:2.9/3

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.150+/-0.158 χ^2/NDF:7.5/3

Left: -0.107+/-0.126 χ^2/NDF: 17.7/7

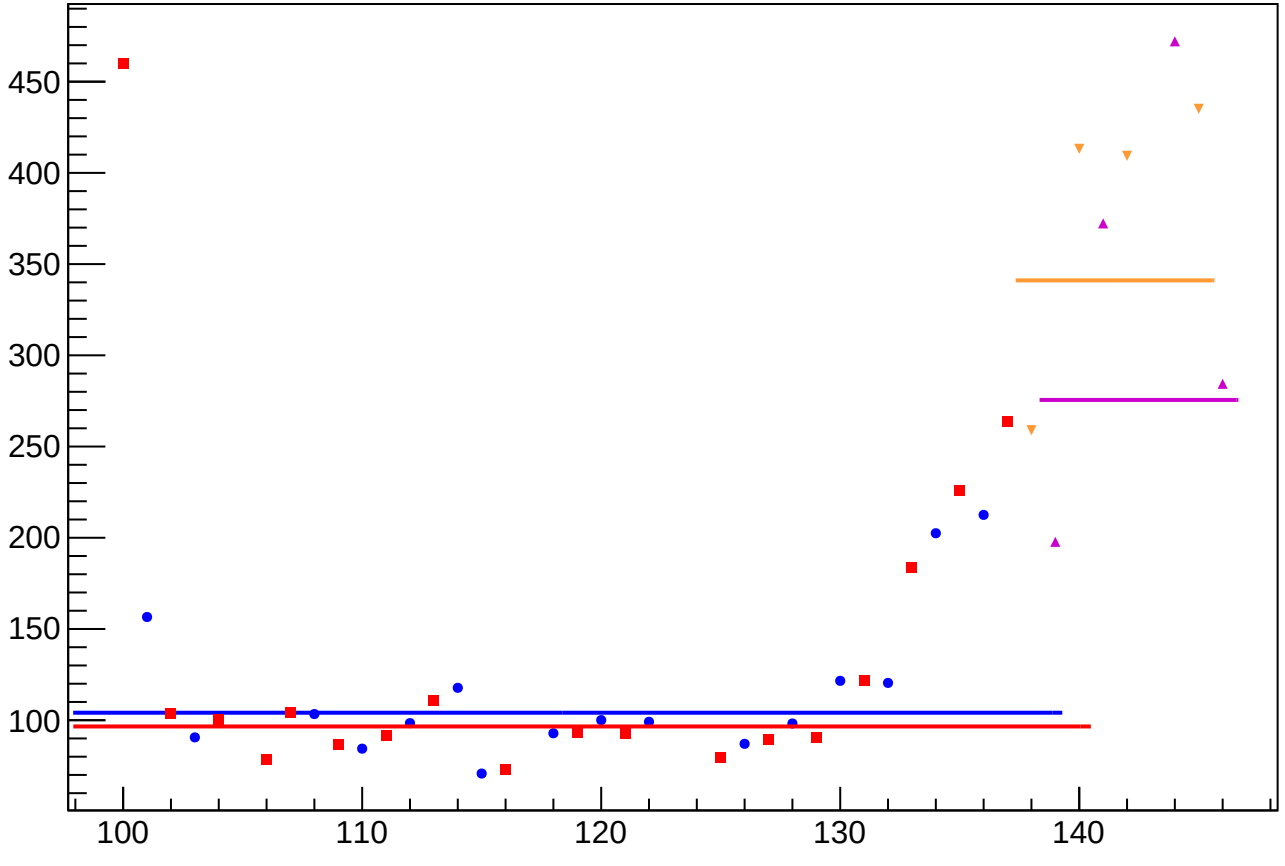
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.040 χ^2/NDF:17.7/19

Out: -0.054+/-0.038 χ^2/NDF:31.0/21

All: -0.008+/-0.028 χ^2/NDF: 51.7/41

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 341.076+/-0.149 χ^2/NDF:296328.6/3

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 275.548+/-0.112 χ^2/NDF:662257.4/3

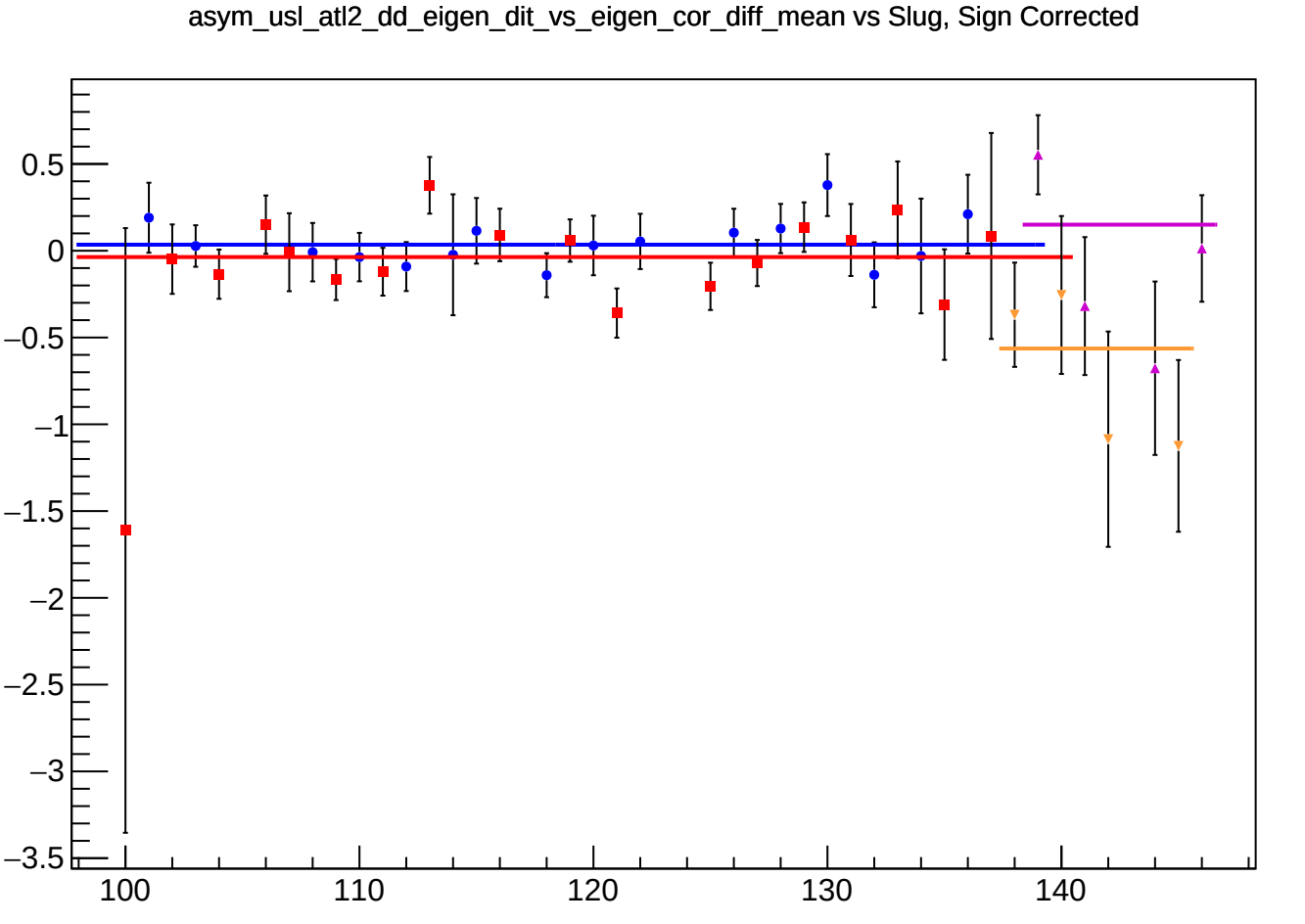
Left: 299.143+/-0.089 χ^2/NDF: 1082812.5/7

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

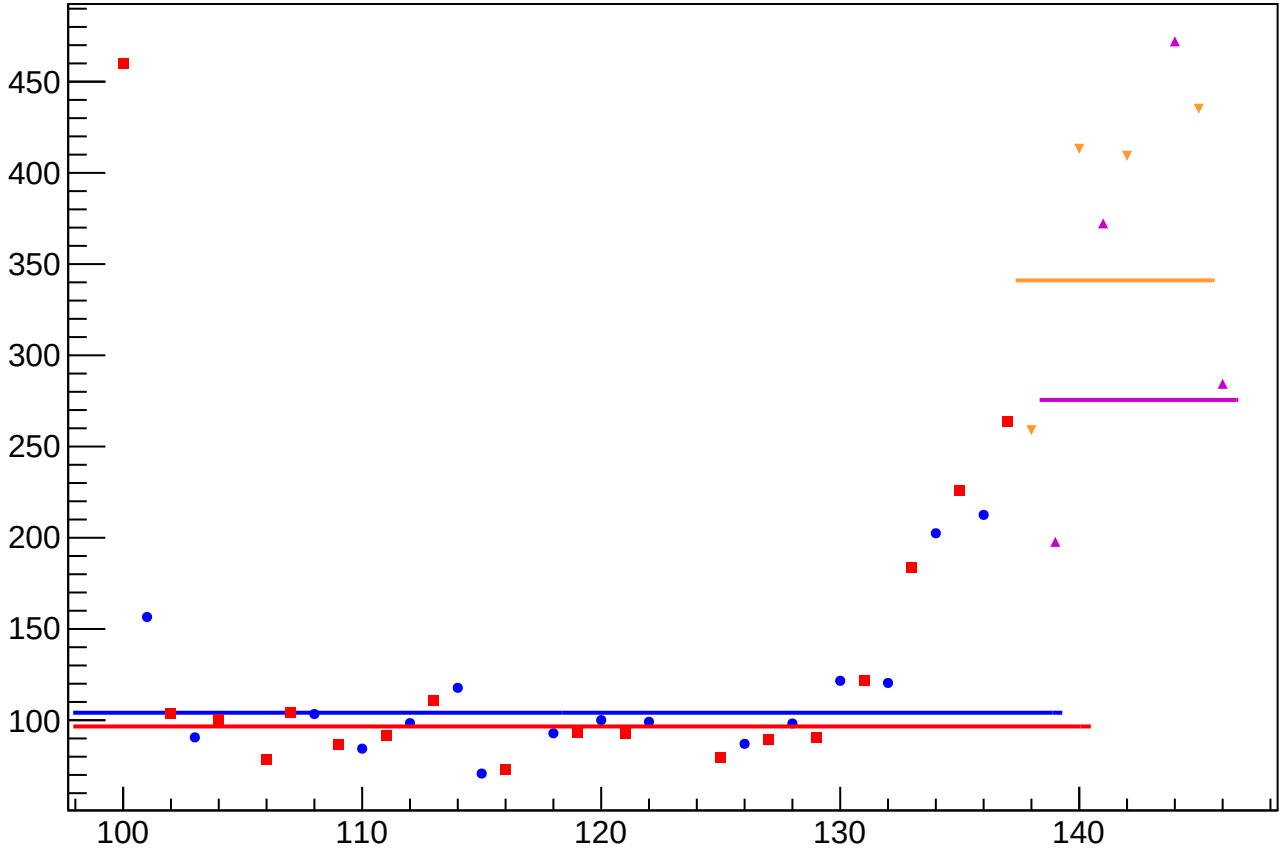
In: 114.961+/-0.028 χ^2/NDF:3864185.3/19

Out: 104.657+/-0.027 χ^2/NDF:3865153.2/21

All: 109.616+/-0.019 χ^2/NDF: 7799182.4/41


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
110
120
130
140
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.563+/-0.210 χ²/NDF:2.9/3
Right Out: -0.036+/-0.039 χ²/NDF: 22.0/17
Left In: 0.150+/-0.158 χ²/NDF:7.5/3
Left: -0.107+/-0.126 χ²/NDF: 17.7/7
Right: -0.003+/-0.028 χ²/NDF: 33.4/33
In: 0.042+/-0.040 χ²/NDF:17.7/19
Out: -0.054+/-0.038 χ²/NDF:31.0/21
All: -0.008+/-0.028 χ²/NDF: 51.7/41

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: 341.076+/-0.149 χ^2/NDF:296328.6/3

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 275.548+/-0.112 χ^2/NDF:662257.4/3

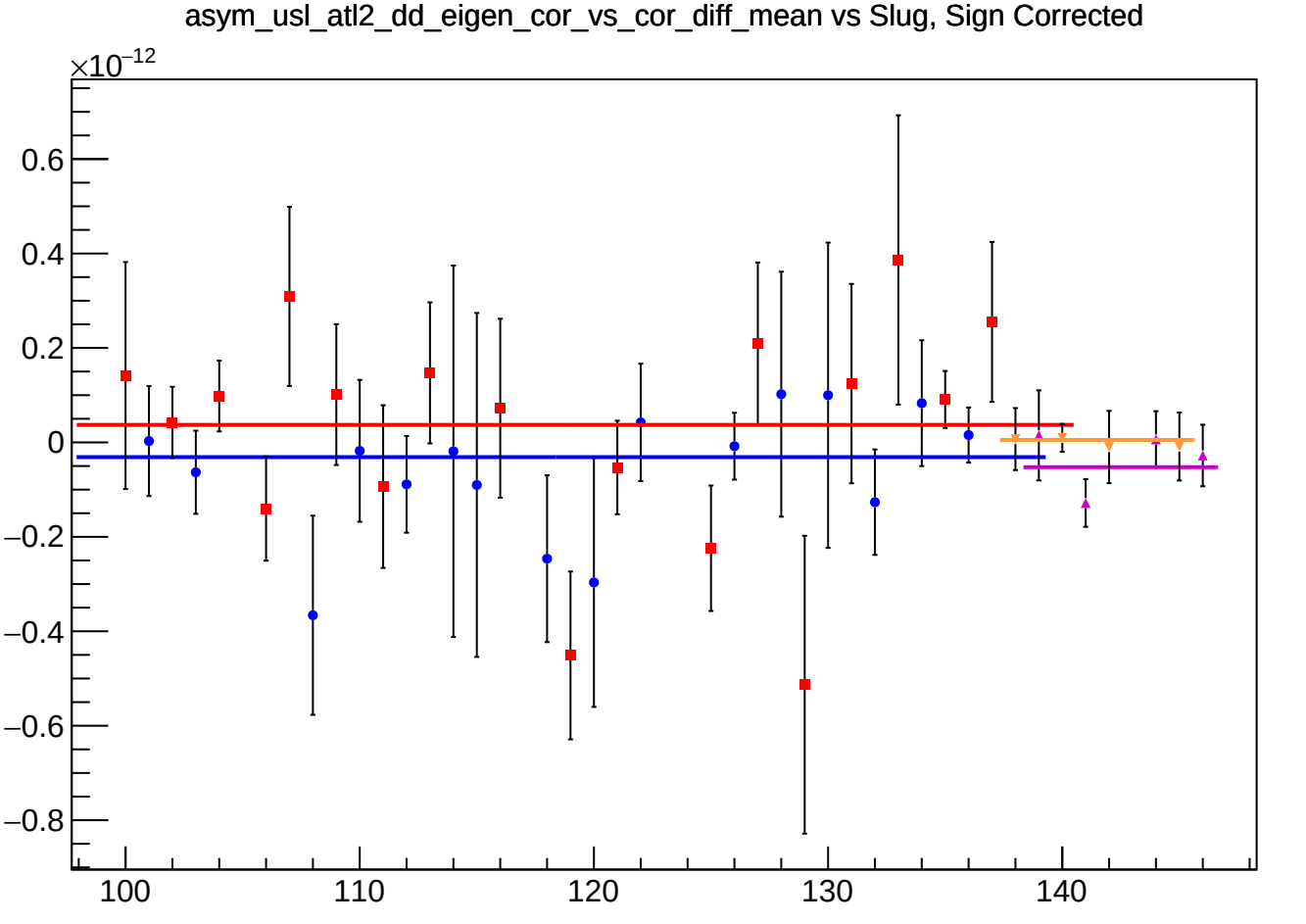
Left: 299.143+/-0.089 χ^2/NDF: 1082812.5/7

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 114.961+/-0.028 χ^2/NDF:3864185.3/19

Out: 104.657+/-0.027 χ^2/NDF:3865153.2/21

All: 109.616+/-0.019 χ^2/NDF: 7799182.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.9/3

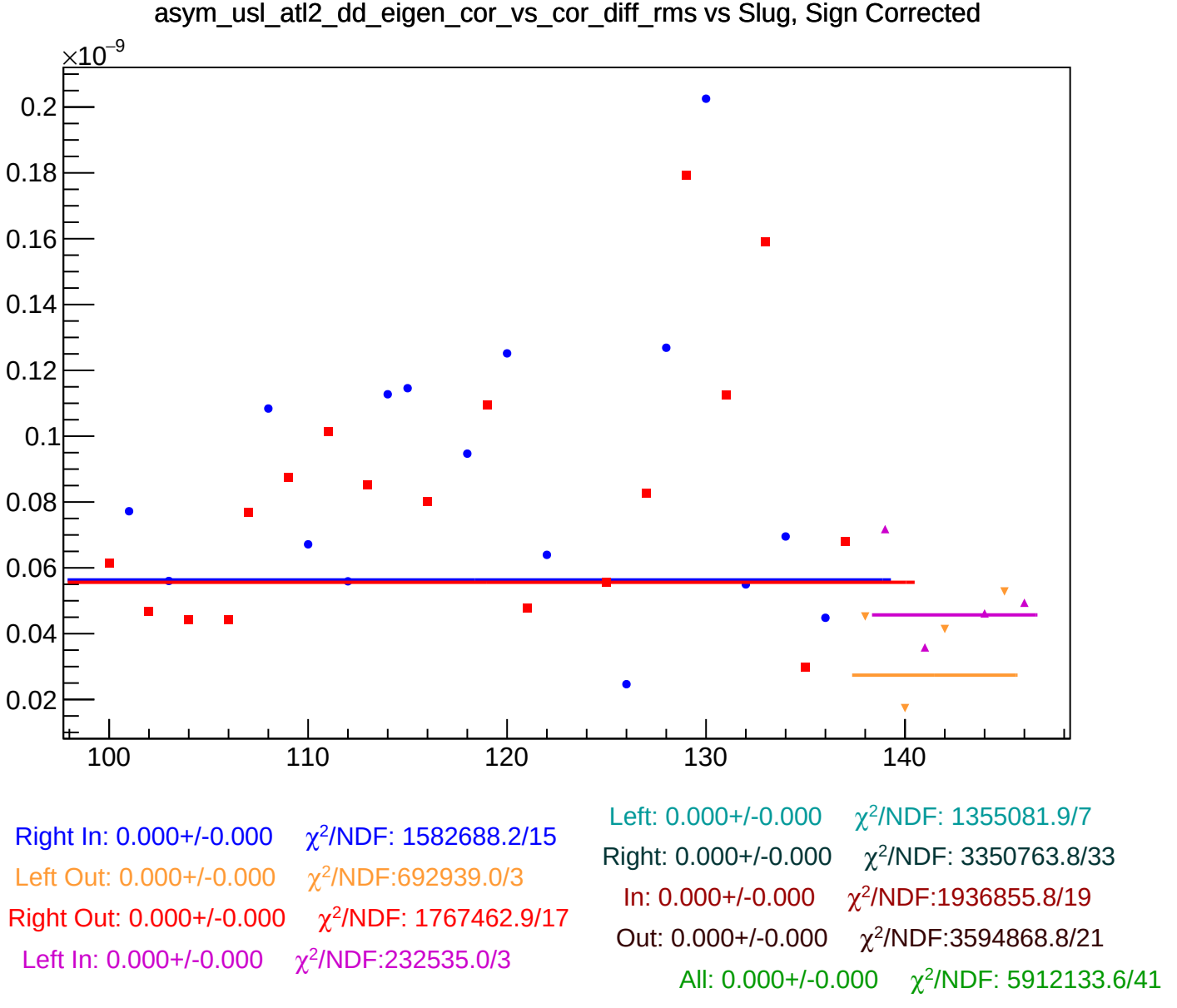
Left: -0.000+/-0.000 χ^2/NDF: 6.1/7

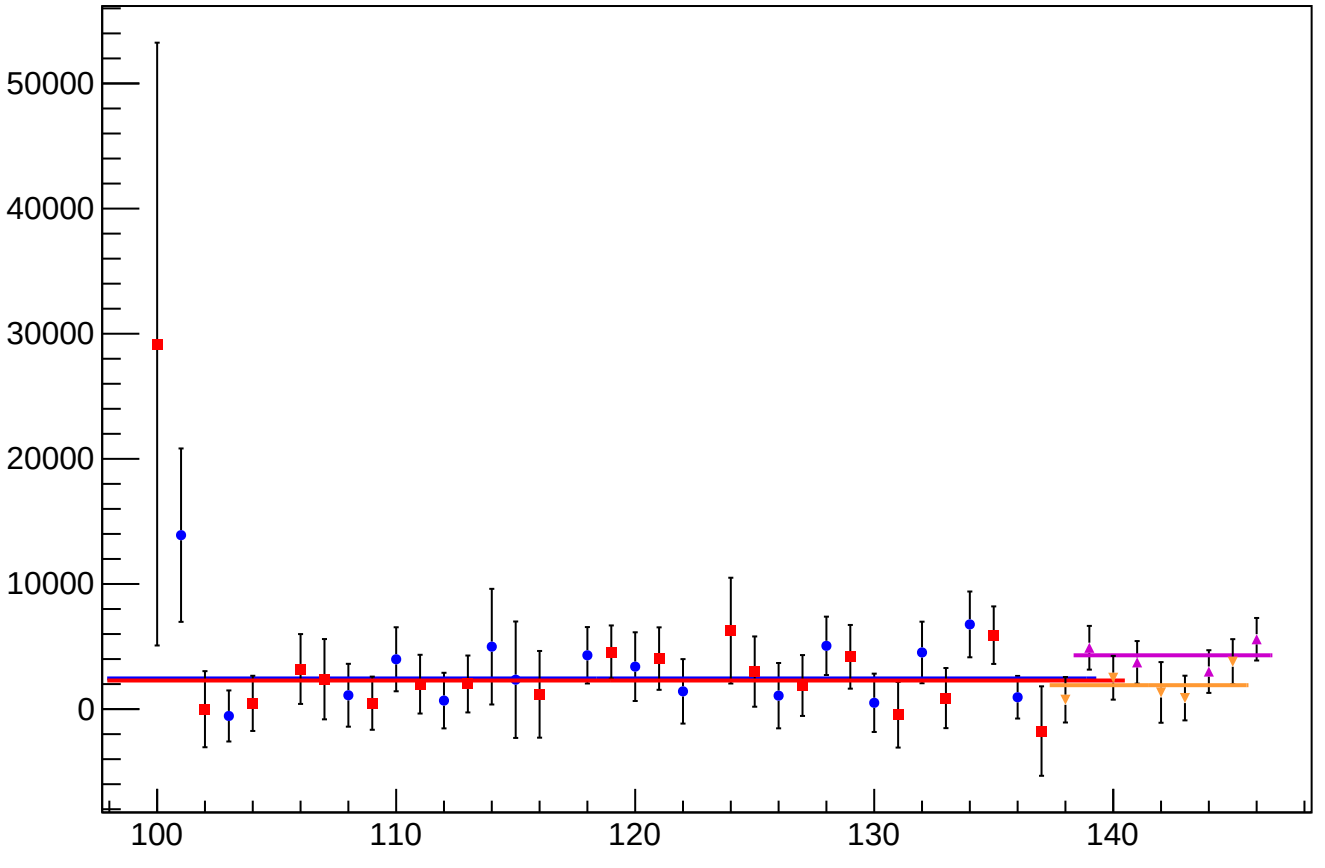
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:12.7/19

Out: 0.000+/-0.000 χ^2/NDF:27.9/21

All: -0.000+/-0.000 χ^2/NDF: 45.0/41


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
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:692939.0/3
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:232535.0/3
Left: 0.000+/-0.000 χ²/NDF: 1355081.9/7
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:1936855.8/19
Out: 0.000+/-0.000 χ²/NDF:3594868.8/21
All: 0.000+/-0.000 χ²/NDF: 5912133.6/41



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1911.614+/-838.687 χ^2/NDF:2.0/4

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 4300.867+/-856.769 χ^2/NDF:1.4/3

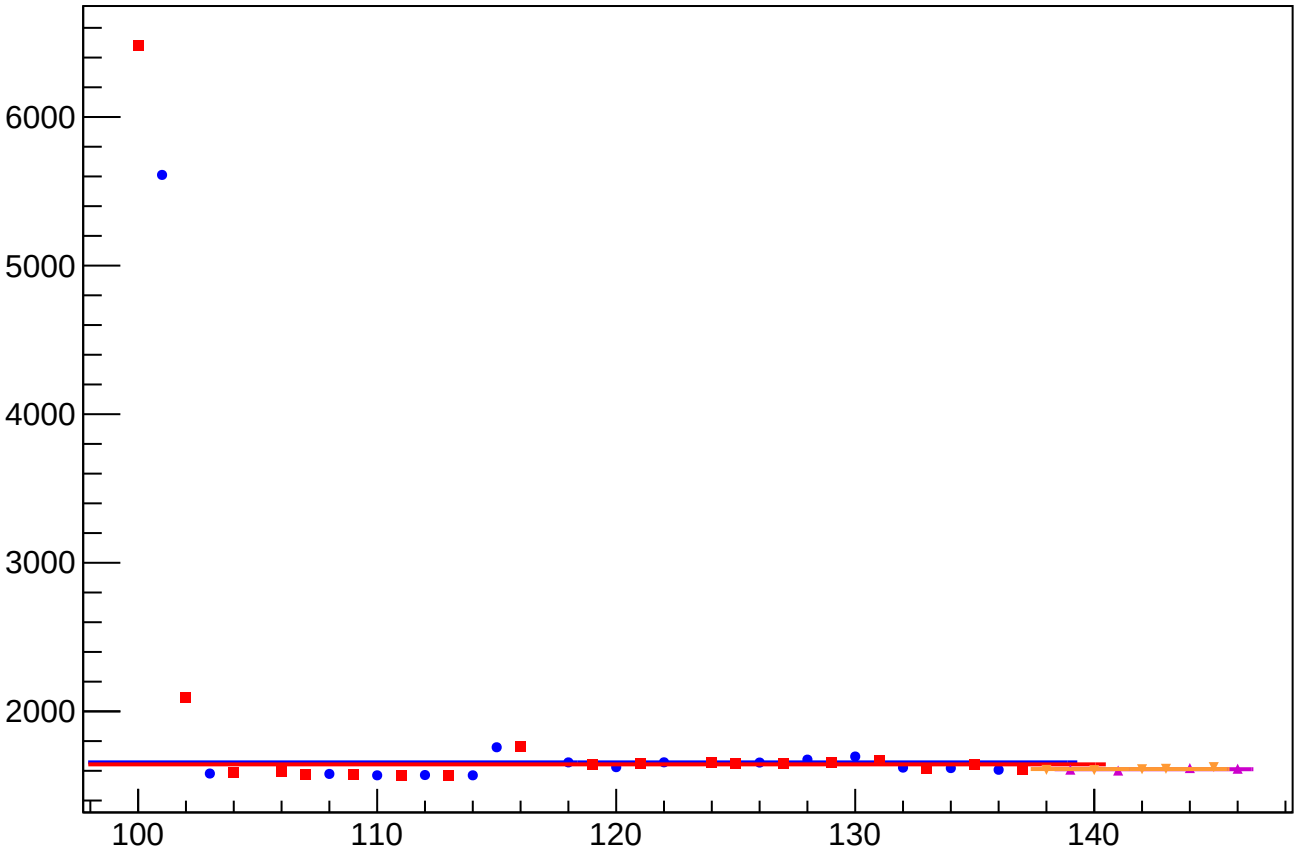
Left: 3080.762+/-599.332 χ^2/NDF: 7.3/8

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 3099.835+/-507.676 χ^2/NDF:18.2/19

Out: 2157.079+/-492.870 χ^2/NDF:14.0/23

All: 2614.509+/-353.630 χ^2/NDF: 34.0/43



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1611.872+/-0.593 χ^2/NDF:154.6/4

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

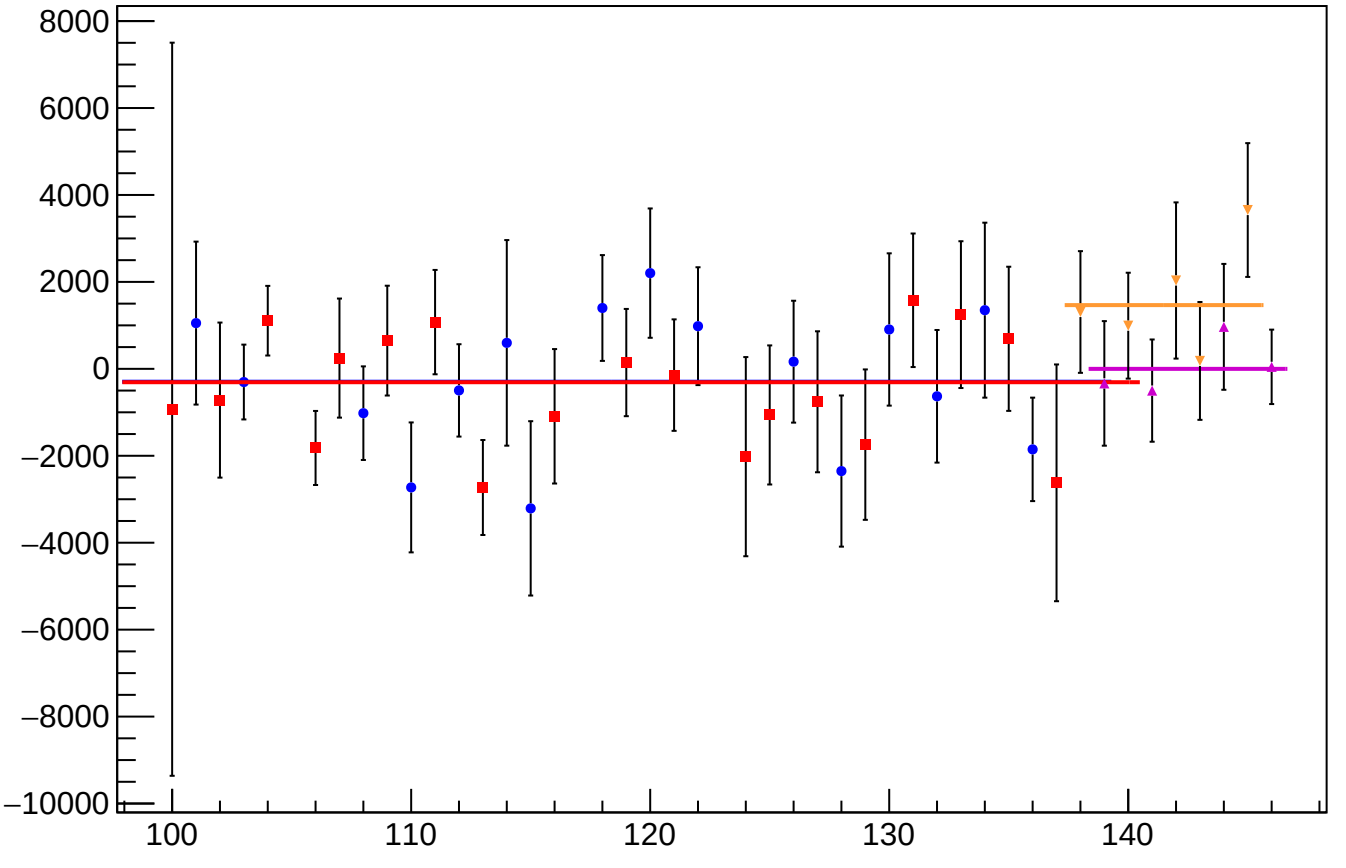
Left: 1611.284+/-0.424 χ^2/NDF: 268.0/8

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1640.527+/-0.359 χ^2/NDF:670080.8/19

Out: 1632.532+/-0.349 χ^2/NDF:139006.2/23

All: 1636.411+/-0.250 χ^2/NDF: 809342.4/43



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 1466.143+/-637.493 χ^2/NDF:3.2/4

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: -0.565+/-572.461 χ^2/NDF:0.7/3

Left: 654.184+/-425.933 χ^2/NDF: 6.8/8

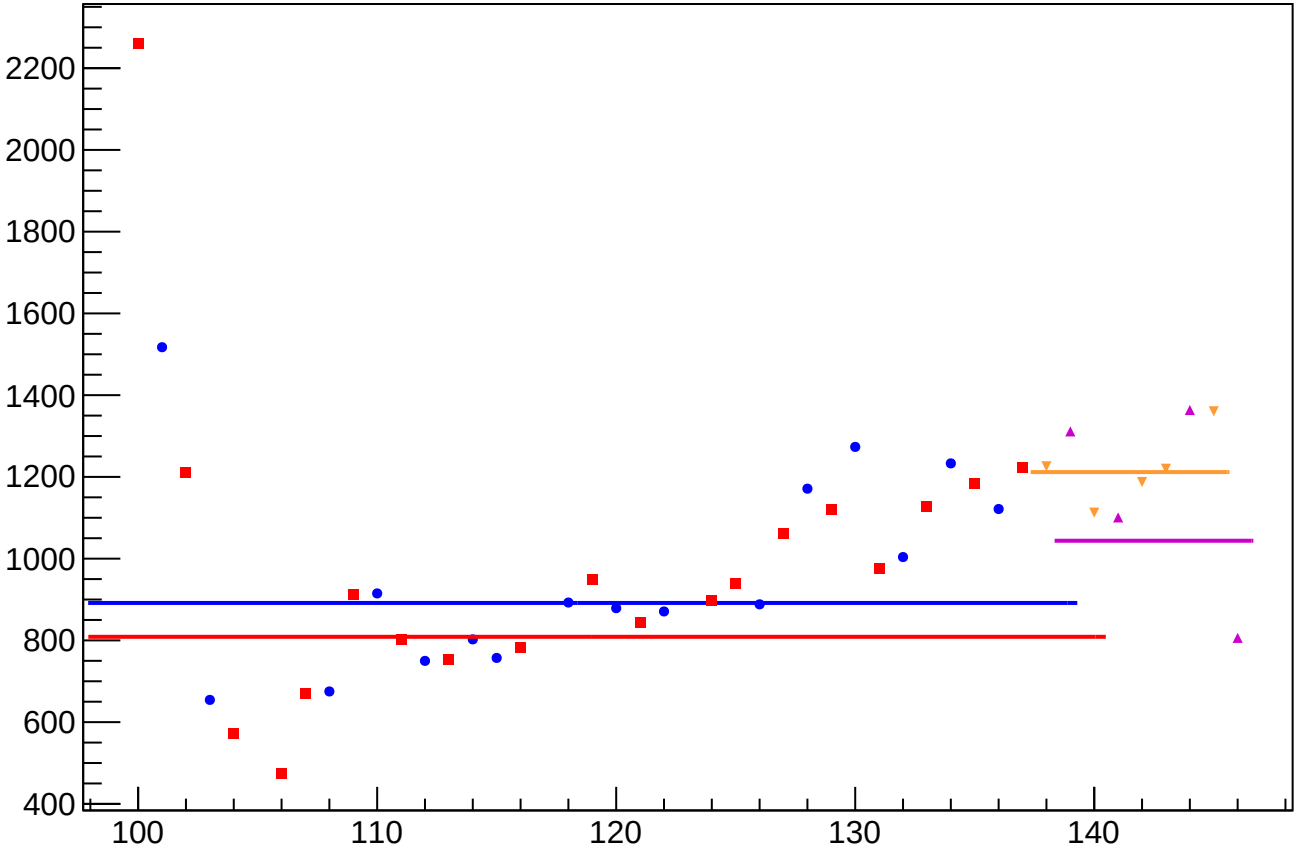
Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -218.141+/-294.503 χ^2/NDF:16.8/19

Out: 36.836+/-280.944 χ^2/NDF:28.1/23

All: -84.648+/-203.282 χ^2/NDF: 45.4/43

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: 1211.816+/-0.451 χ^2/NDF:32578.9/4

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 1043.820+/-0.405 χ^2/NDF:326074.9/3

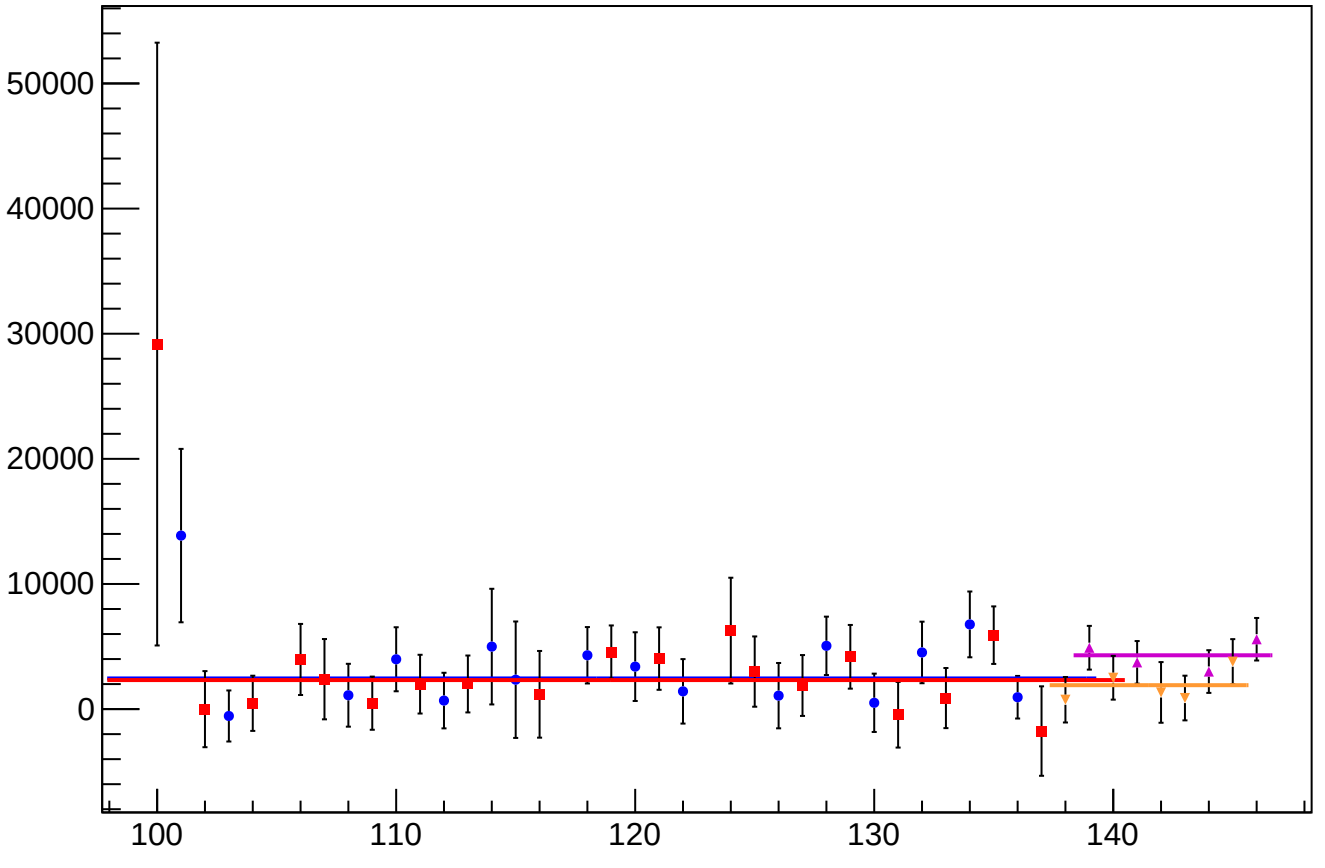
Left: 1118.815+/-0.301 χ^2/NDF: 435543.9/8

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 931.911+/-0.208 χ^2/NDF:1223911.7/19

Out: 887.081+/-0.199 χ^2/NDF:1760474.6/23

All: 908.440+/-0.144 χ^2/NDF: 3008649.6/43



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1911.754+/-838.687 χ^2/NDF:2.0/4

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 4301.069+/-856.769 χ^2/NDF:1.4/3

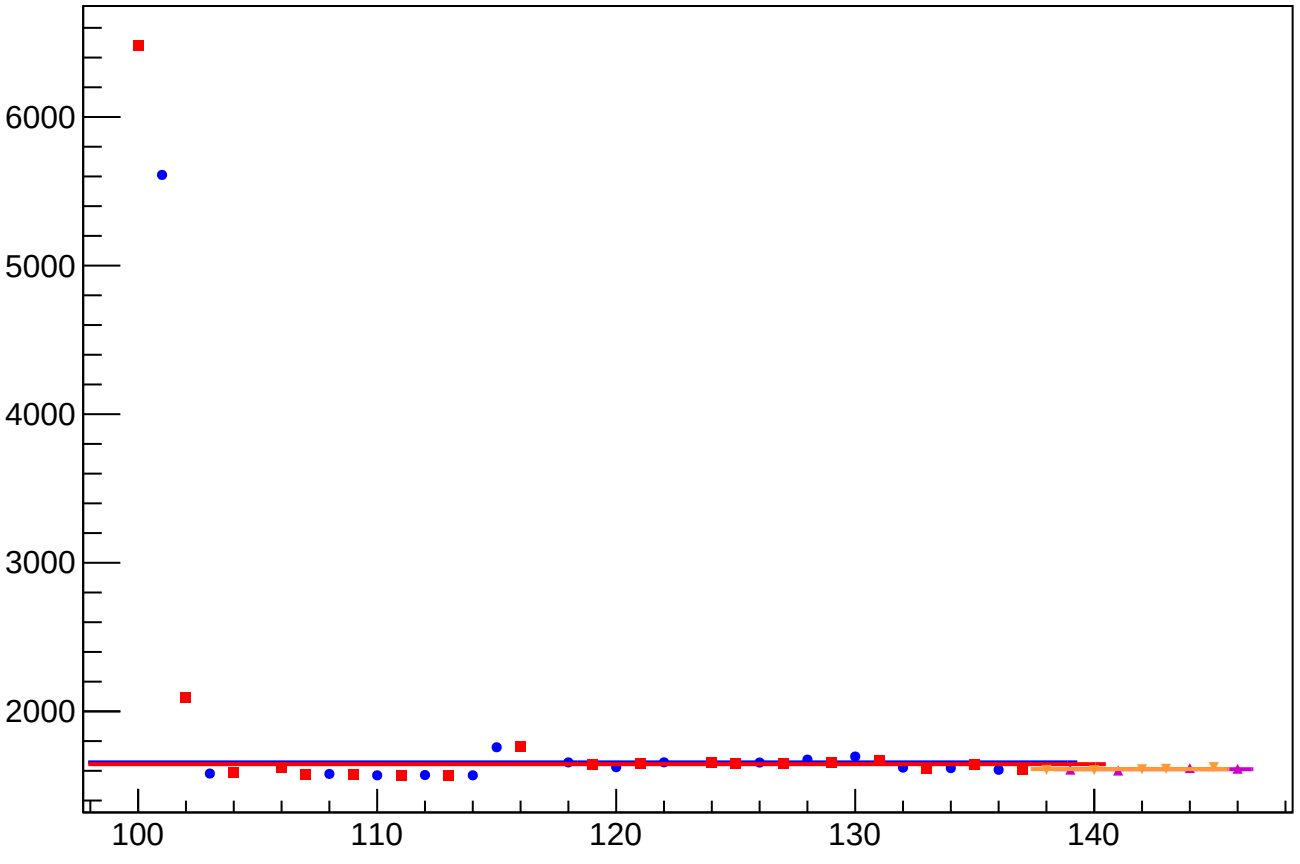
Left: 3080.932+/-599.332 χ^2/NDF: 7.3/8

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 3099.542+/-507.677 χ^2/NDF:18.2/19

Out: 2179.235+/-493.135 χ^2/NDF:14.2/23

All: 2626.019+/-353.728 χ^2/NDF: 34.1/43



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1611.872+/-0.593 χ^2/NDF:154.6/4

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

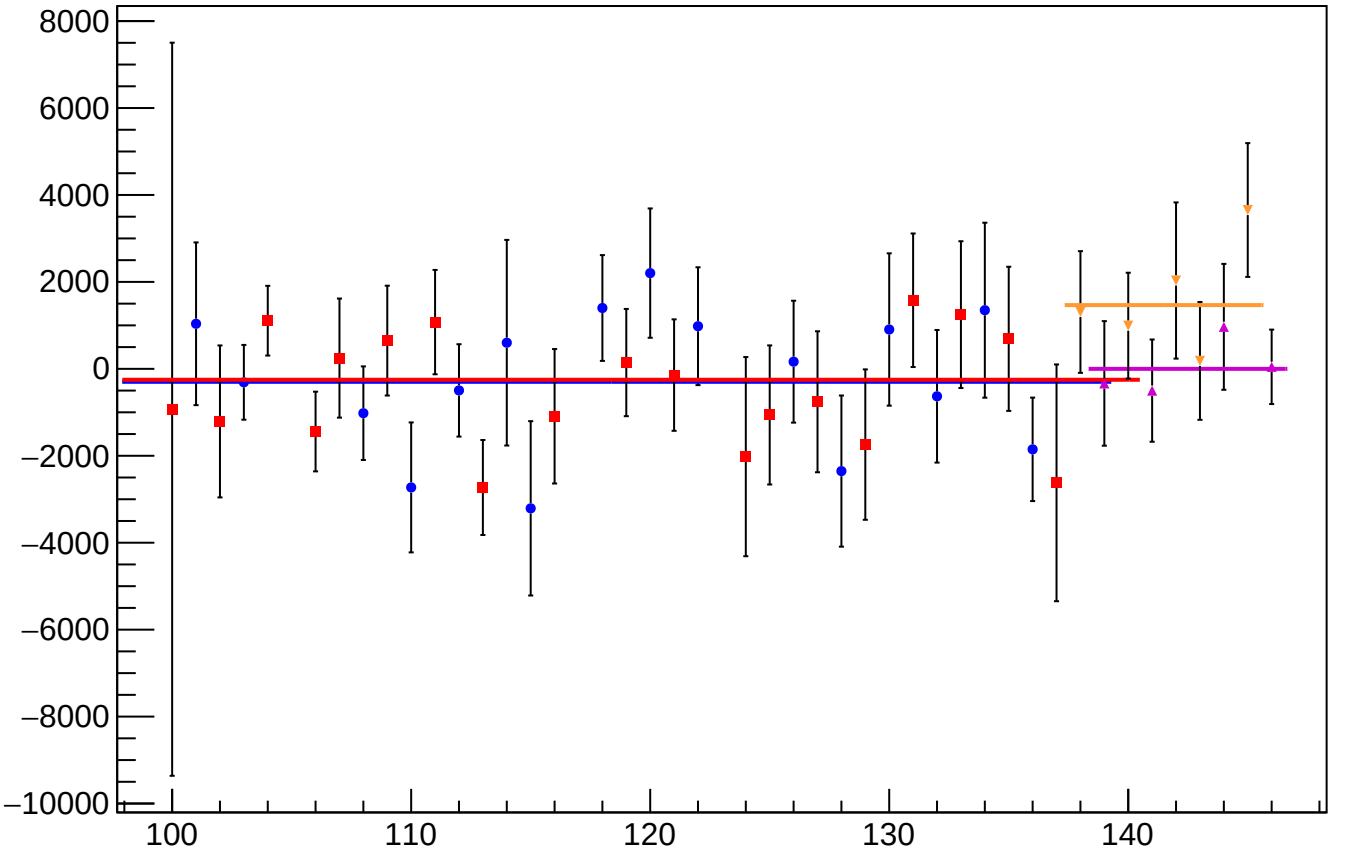
Left: 1611.284+/-0.424 χ^2/NDF: 268.0/8

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1640.527+/-0.359 χ^2/NDF:670080.4/19

Out: 1633.372+/-0.349 χ^2/NDF:138646.5/23

All: 1636.846+/-0.250 χ^2/NDF: 808931.3/43



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1466.253+/-637.487 χ^2/NDF:3.2/4

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -0.526+/-572.468 χ^2/NDF:0.7/3

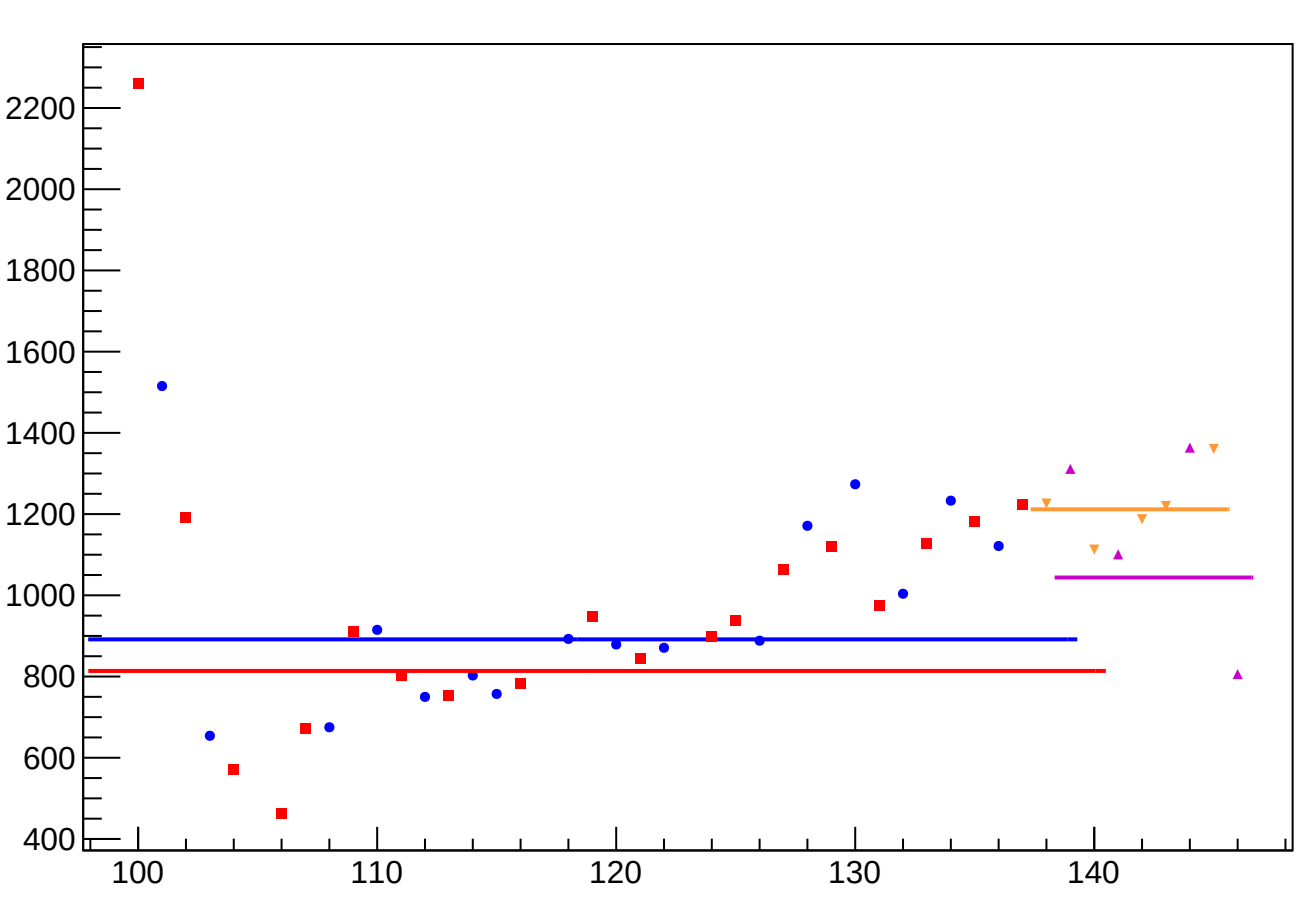
Left: 654.270+/-425.934 χ^2/NDF: 6.8/8

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -219.136+/-294.476 χ^2/NDF:16.8/19

Out: 87.108+/-282.944 χ^2/NDF:26.3/23

All: -59.901+/-204.027 χ^2/NDF: 43.7/43



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 1211.804+/-0.451 χ^2/NDF:32575.9/4

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1043.834+/-0.405 χ^2/NDF:326050.8/3

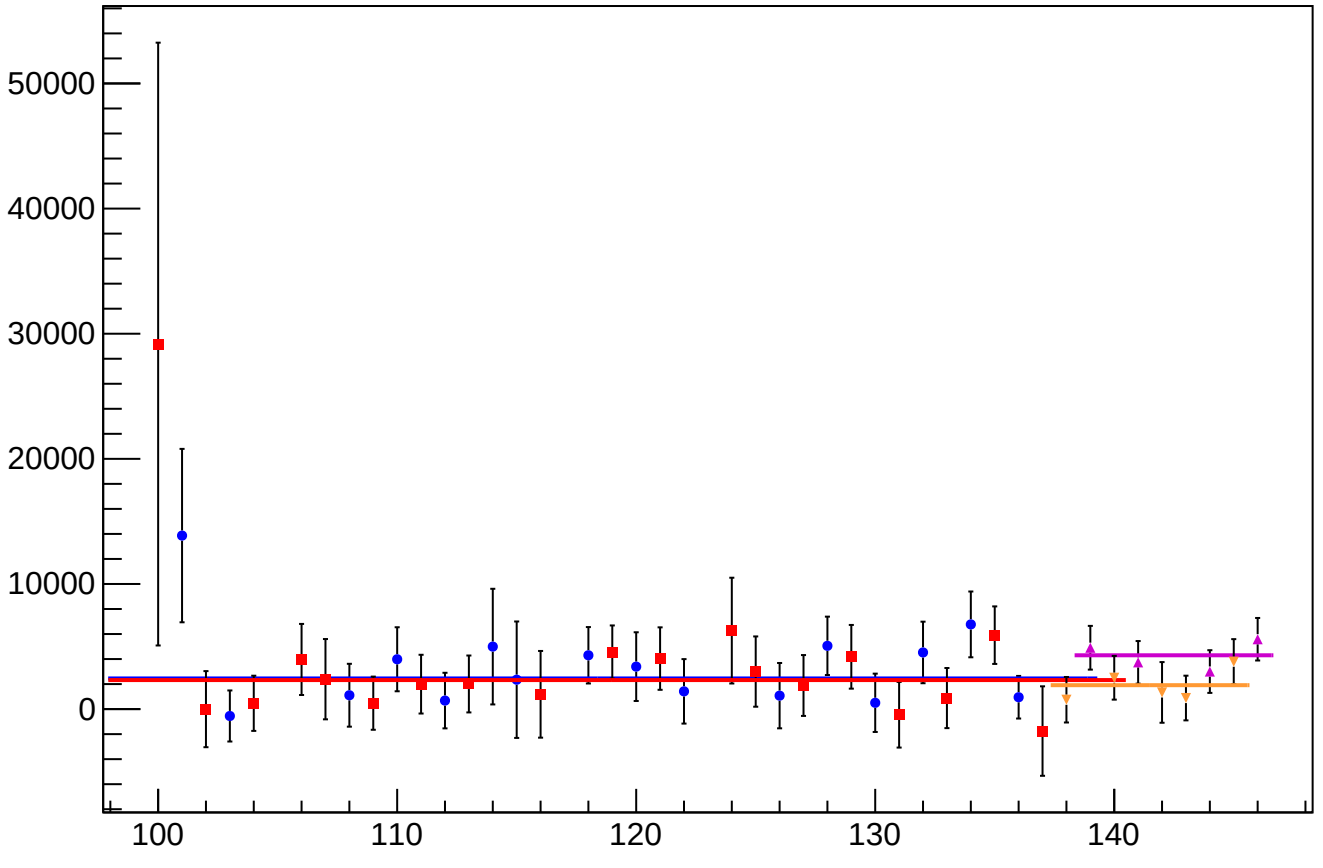
Left: 1118.819+/-0.301 χ^2/NDF: 435491.8/8

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 931.833+/-0.208 χ^2/NDF:1223809.7/19

Out: 892.211+/-0.200 χ^2/NDF:1711551.5/23

All: 911.231+/-0.144 χ^2/NDF: 2954187.5/43



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1911.754+/-838.687 χ^2/NDF:2.0/4

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 4301.069+/-856.769 χ^2/NDF:1.4/3

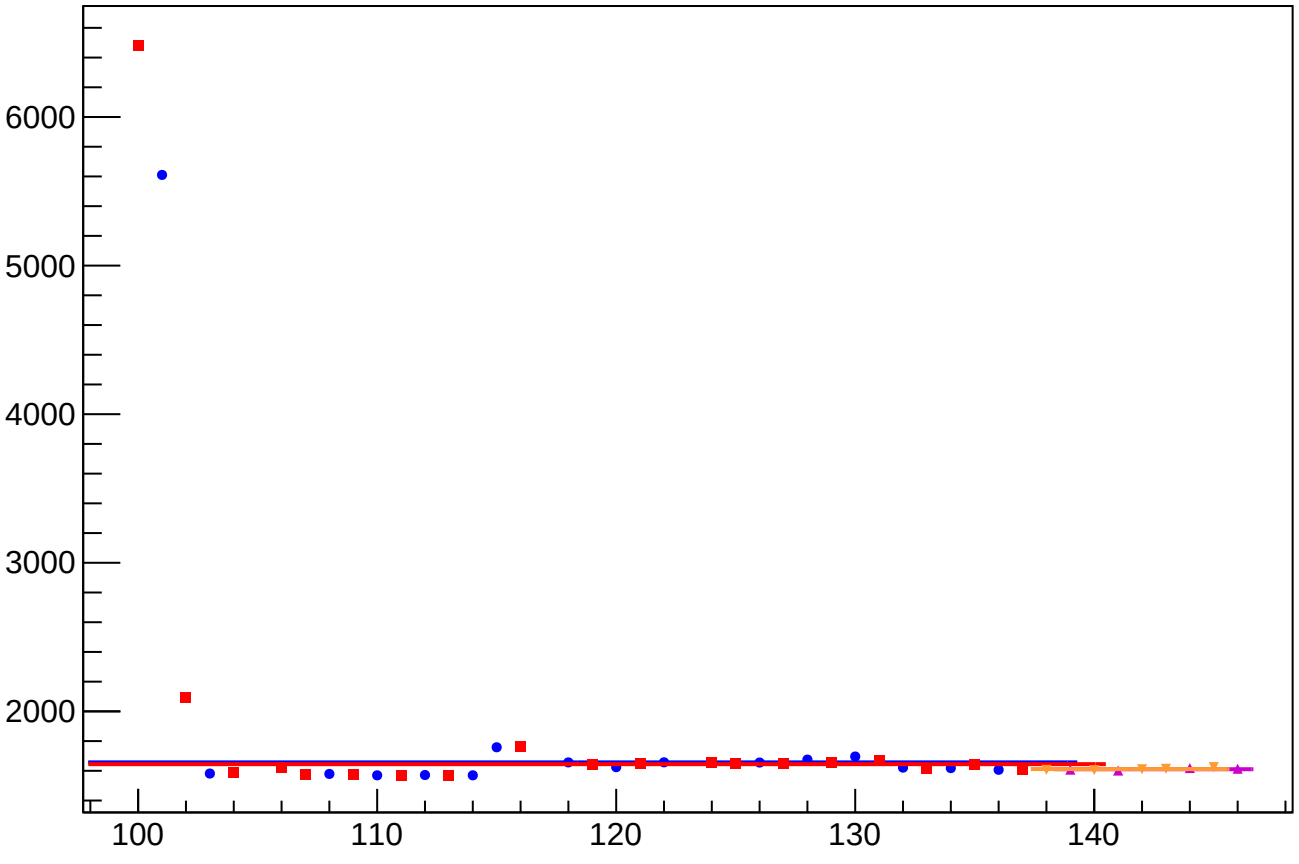
Left: 3080.932+/-599.332 χ^2/NDF: 7.3/8

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 3099.542+/-507.677 χ^2/NDF:18.2/19

Out: 2179.235+/-493.135 χ^2/NDF:14.2/23

All: 2626.019+/-353.728 χ^2/NDF: 34.1/43



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1611.872+/-0.593 χ^2/NDF:154.6/4

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

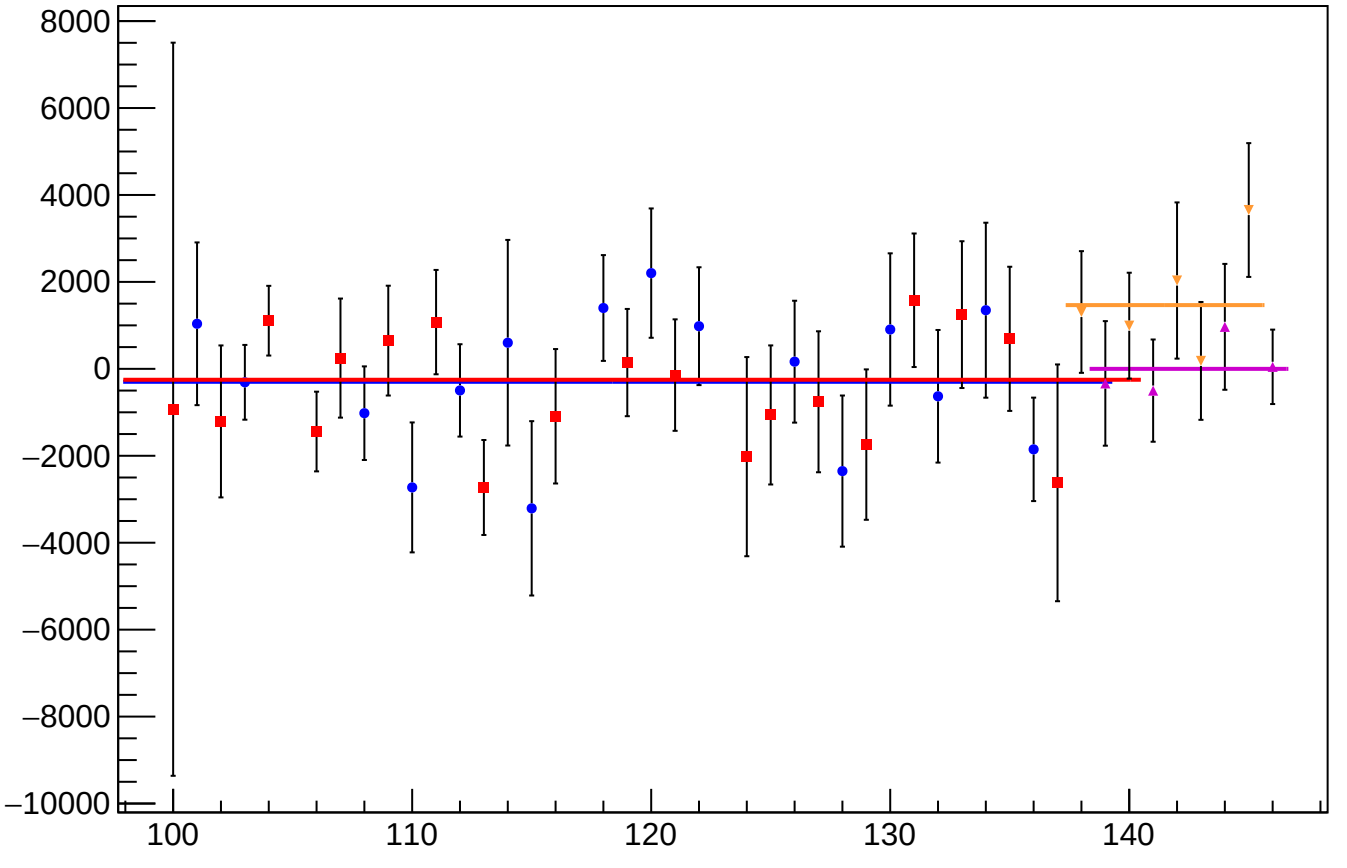
Left: 1611.284+/-0.424 χ^2/NDF: 268.0/8

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1640.527+/-0.359 χ^2/NDF:670080.4/19

Out: 1633.372+/-0.349 χ^2/NDF:138646.5/23

All: 1636.846+/-0.250 χ^2/NDF: 808931.3/43



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 1466.253+/-637.487 χ^2/NDF:3.2/4

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -0.526+/-572.468 χ^2/NDF:0.7/3

Left: 654.270+/-425.934 χ^2/NDF: 6.8/8

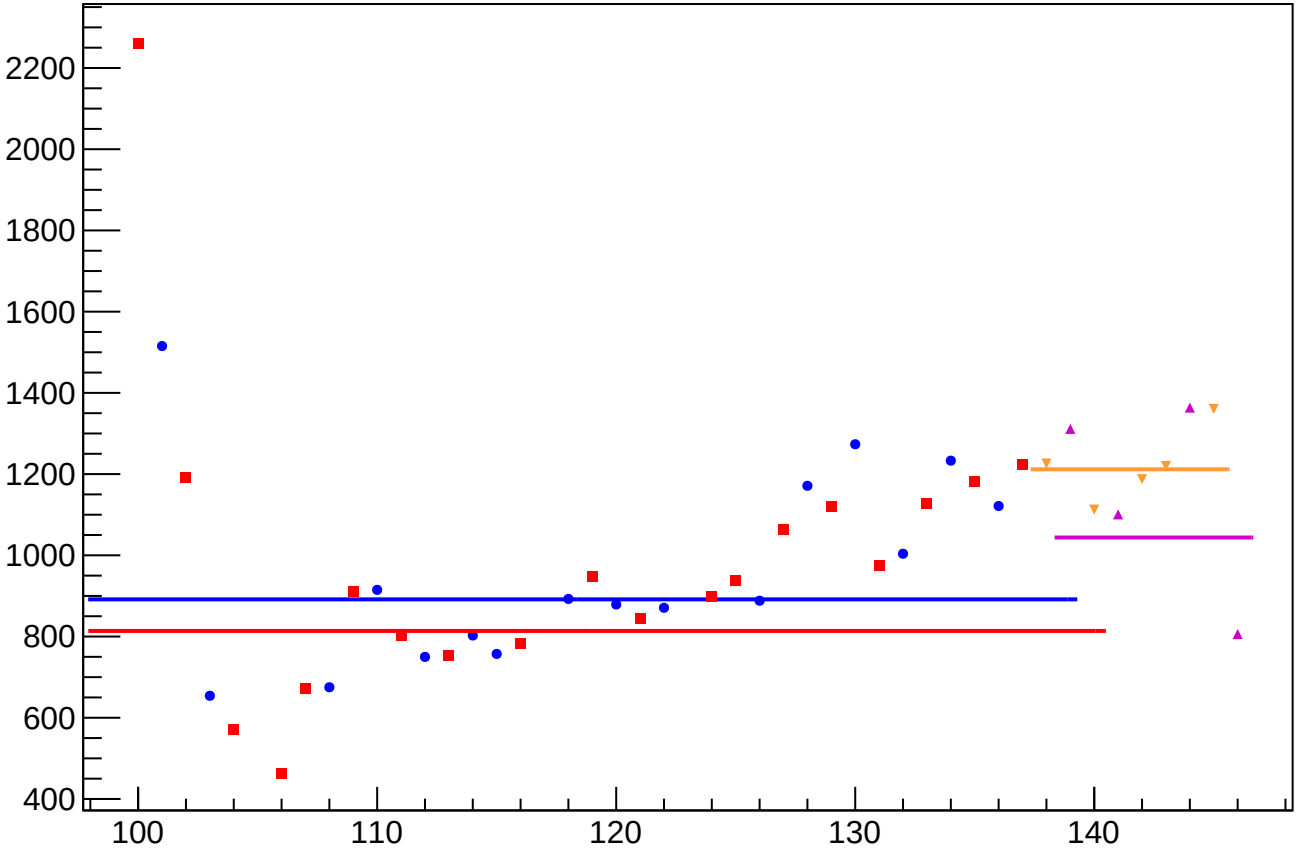
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -219.136+/-294.476 χ^2/NDF:16.8/19

Out: 87.108+/-282.944 χ^2/NDF:26.3/23

All: -59.901+/-204.027 χ^2/NDF: 43.7/43

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: 1211.804+/-0.451 χ^2/NDF:32575.9/4

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1043.834+/-0.405 χ^2/NDF:326050.8/3

Left: 1118.819+/-0.301 χ^2/NDF: 435491.8/8

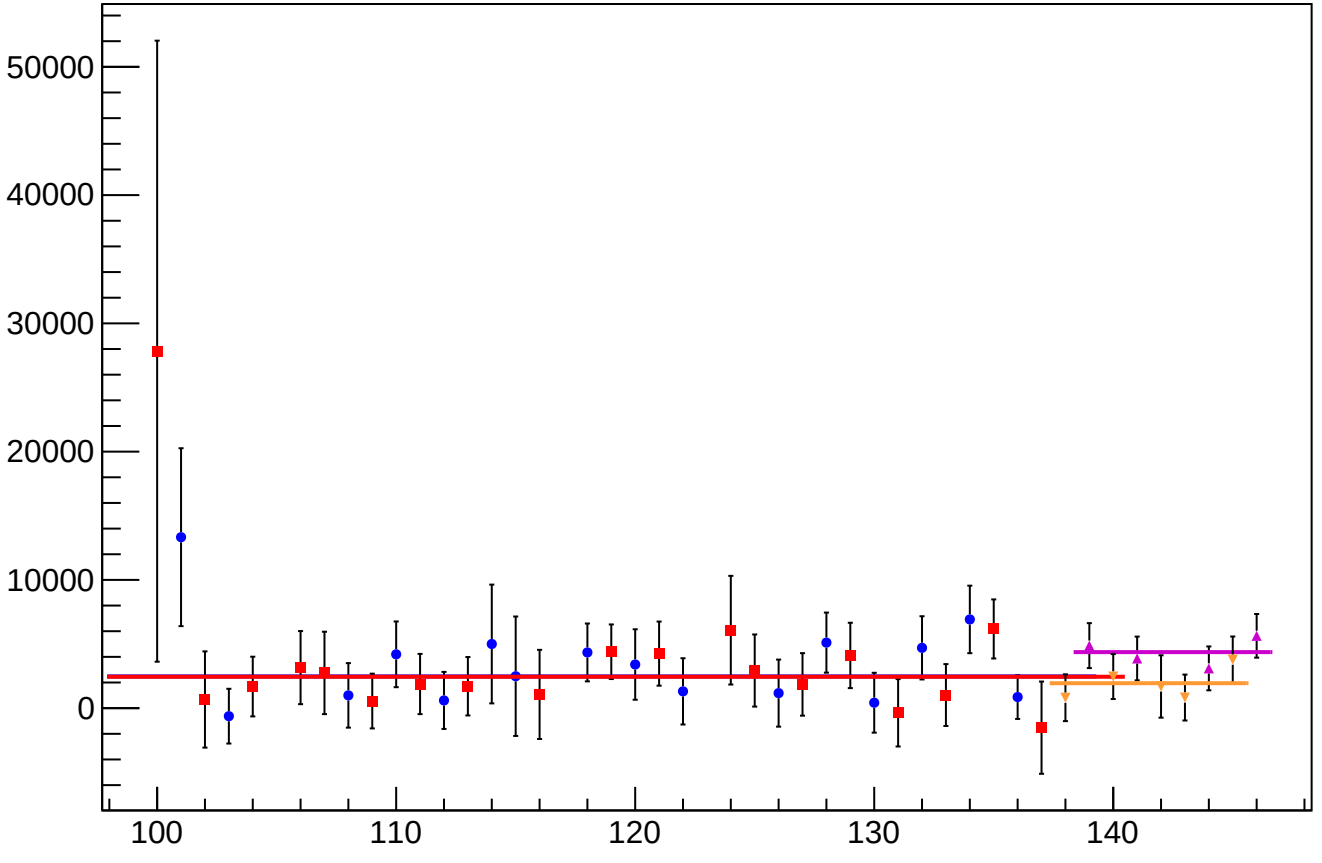
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 931.833+/-0.208 χ^2/NDF:1223809.7/19

Out: 892.211+/-0.200 χ^2/NDF:1711551.5/23

All: 911.231+/-0.144 χ^2/NDF: 2954187.5/43

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1945.457+/-840.959 χ^2/NDF:1.9/4

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 4370.092+/-858.536 χ^2/NDF:1.3/3

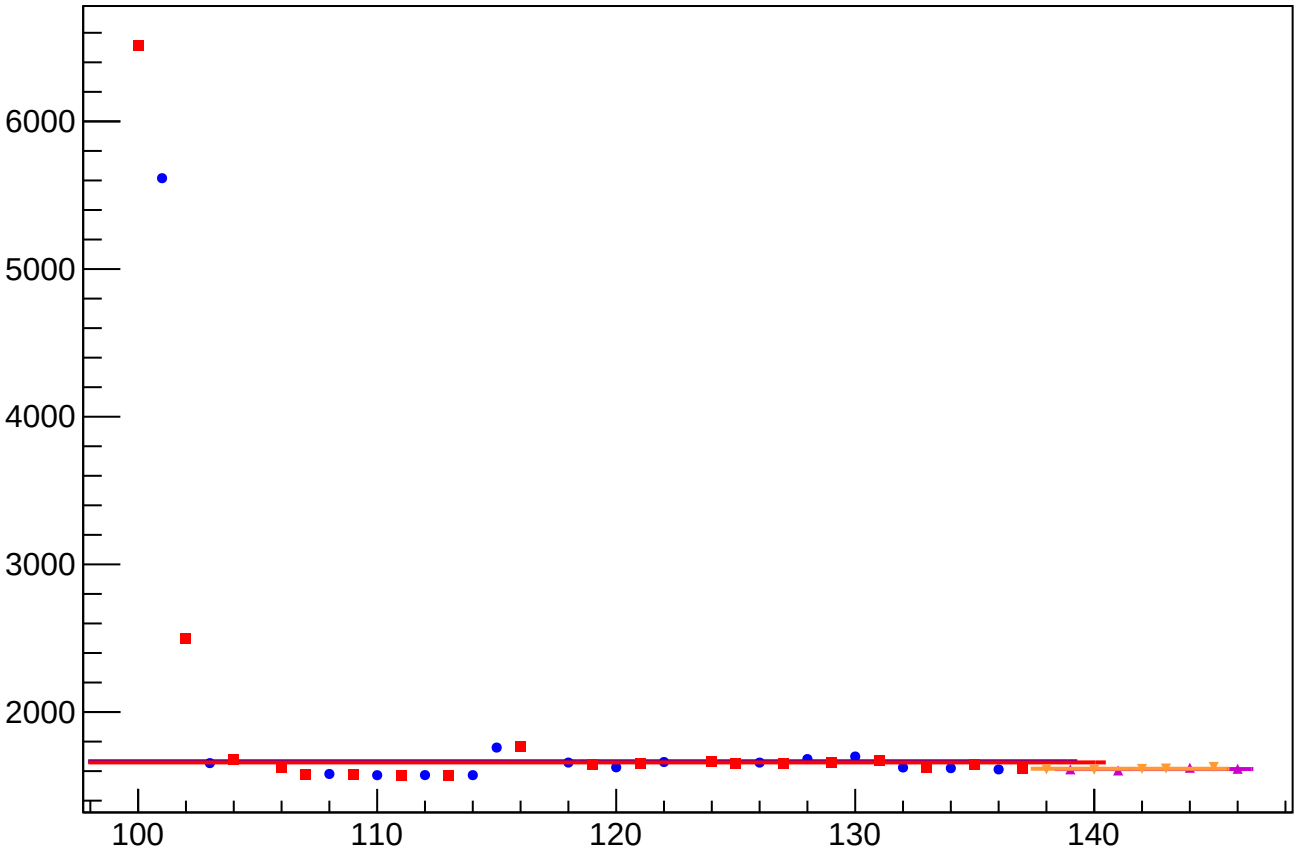
Left: 3132.701+/-600.766 χ^2/NDF: 7.3/8

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 3143.724+/-509.940 χ^2/NDF:18.6/19

Out: 2272.633+/-497.747 χ^2/NDF:12.7/23

All: 2697.640+/-356.193 χ^2/NDF: 32.8/43



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1616.230+/-0.595 χ^2/NDF:132.8/4

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1613.954+/-0.607 χ^2/NDF:122.6/3

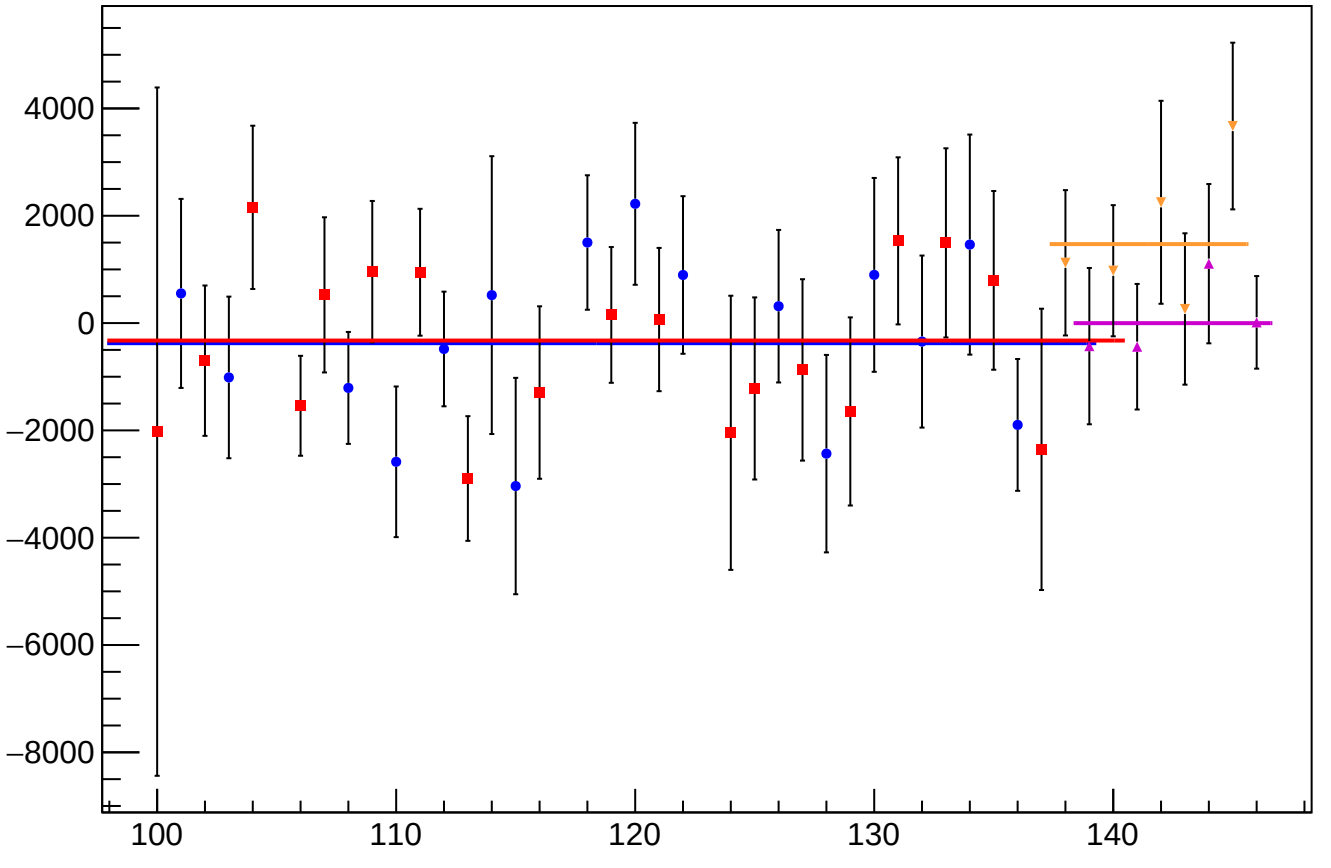
Left: 1615.116+/-0.425 χ^2/NDF: 262.7/8

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1647.897+/-0.361 χ^2/NDF:667867.5/19

Out: 1644.020+/-0.352 χ^2/NDF:196718.2/23

All: 1645.912+/-0.252 χ^2/NDF: 864644.8/43



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 1471.726+/-643.962 χ^2/NDF:3.1/4

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: -1.383+/-577.504 χ^2/NDF:0.8/3

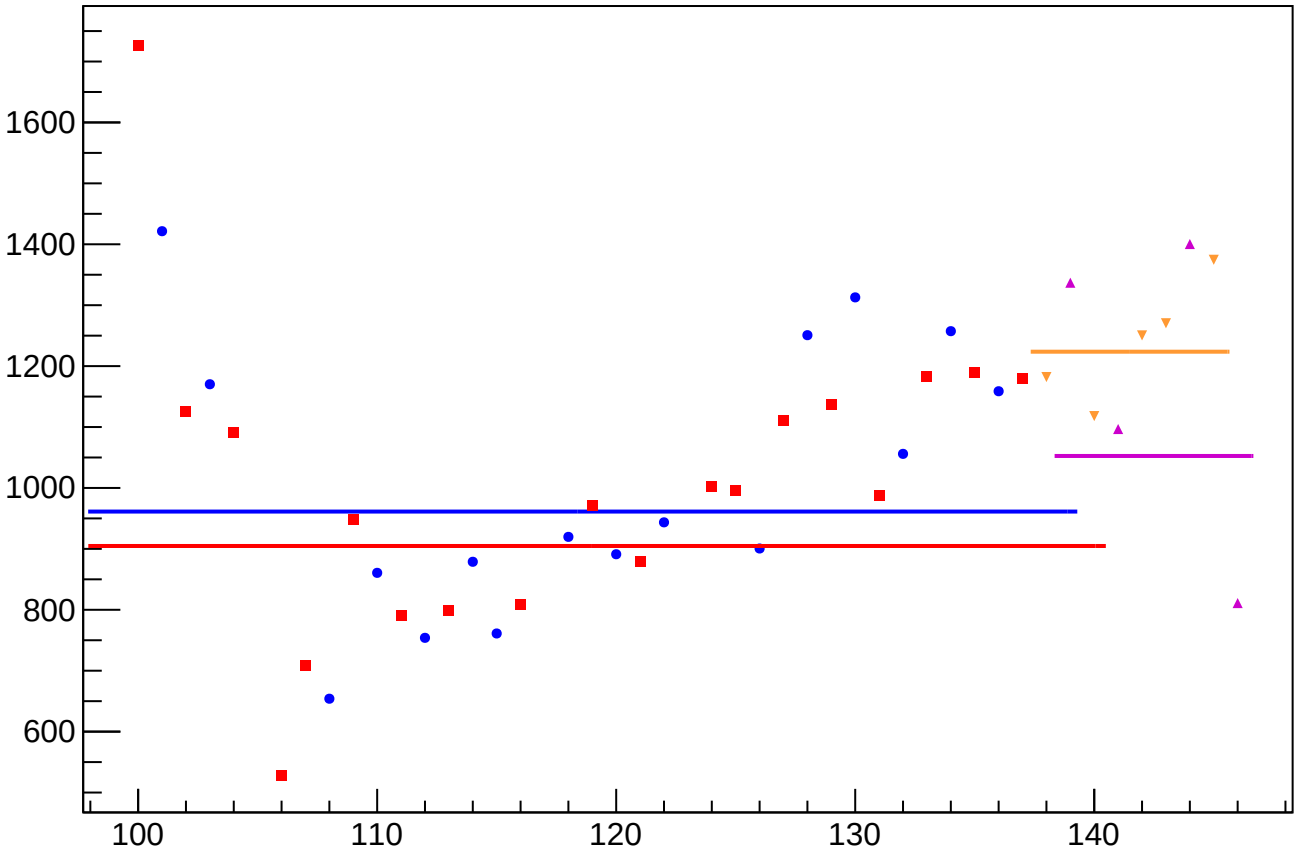
Left: 655.258+/-429.939 χ^2/NDF: 6.8/8

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -266.836+/-310.313 χ^2/NDF:16.8/19

Out: 67.271+/-301.094 χ^2/NDF:26.6/23

All: -94.746+/-216.091 χ^2/NDF: 44.0/43



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 1223.670+/-0.455 χ^2/NDF:38310.3/4

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 1052.505+/-0.408 χ^2/NDF:345591.0/3

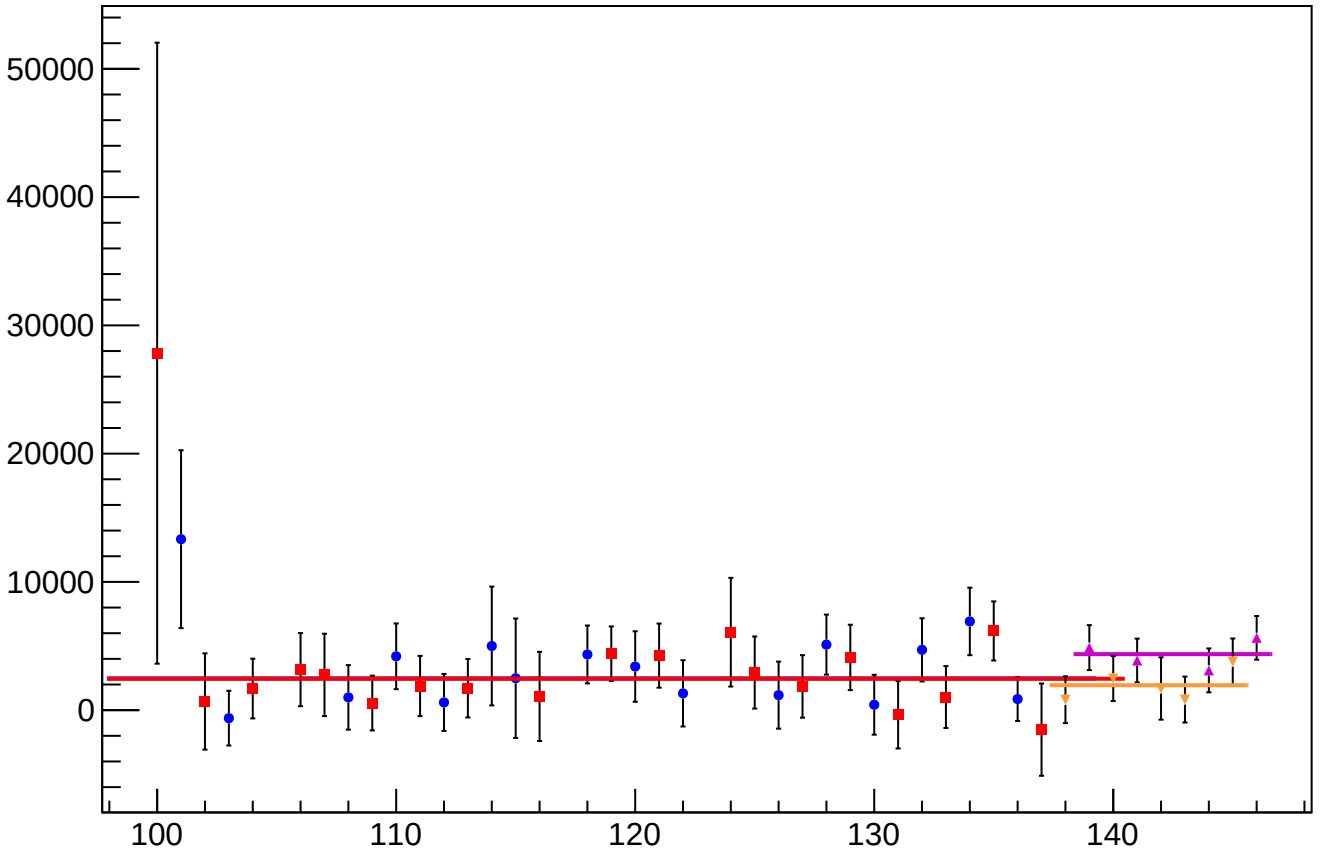
Left: 1128.802+/-0.304 χ^2/NDF: 462216.4/8

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 987.593+/-0.219 χ^2/NDF:1072991.6/19

Out: 974.461+/-0.213 χ^2/NDF:1158126.3/23

All: 980.829+/-0.153 χ^2/NDF: 2232962.7/43



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1945.461+/-840.959 χ^2/NDF:1.9/4

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 4370.091+/-858.536 χ^2/NDF:1.3/3

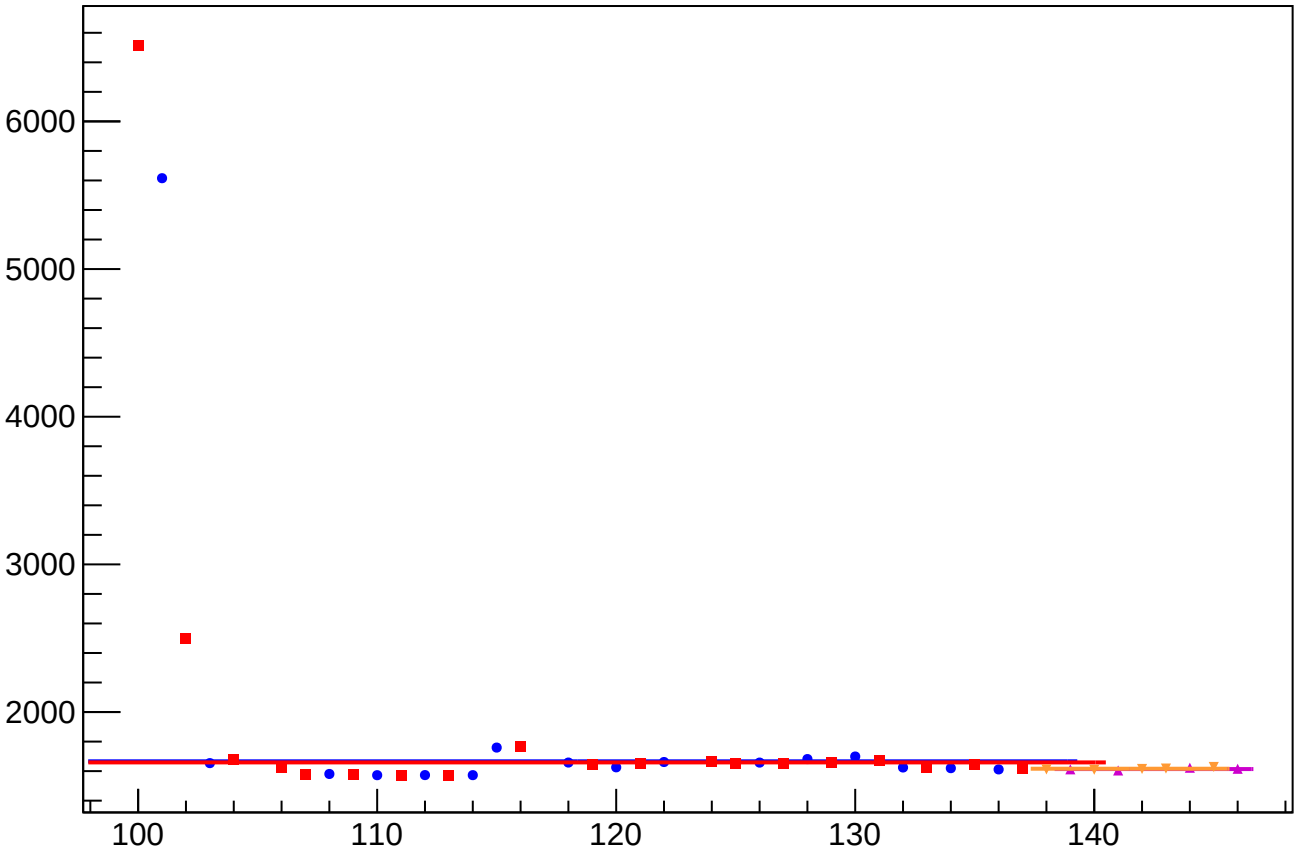
Left: 3132.702+/-600.766 χ^2/NDF: 7.3/8

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 3143.723+/-509.940 χ^2/NDF:18.6/19

Out: 2272.634+/-497.747 χ^2/NDF:12.7/23

All: 2697.640+/-356.193 χ^2/NDF: 32.8/43



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1616.230+/-0.595 χ^2/NDF:132.8/4

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.954+/-0.607 χ^2/NDF:122.6/3

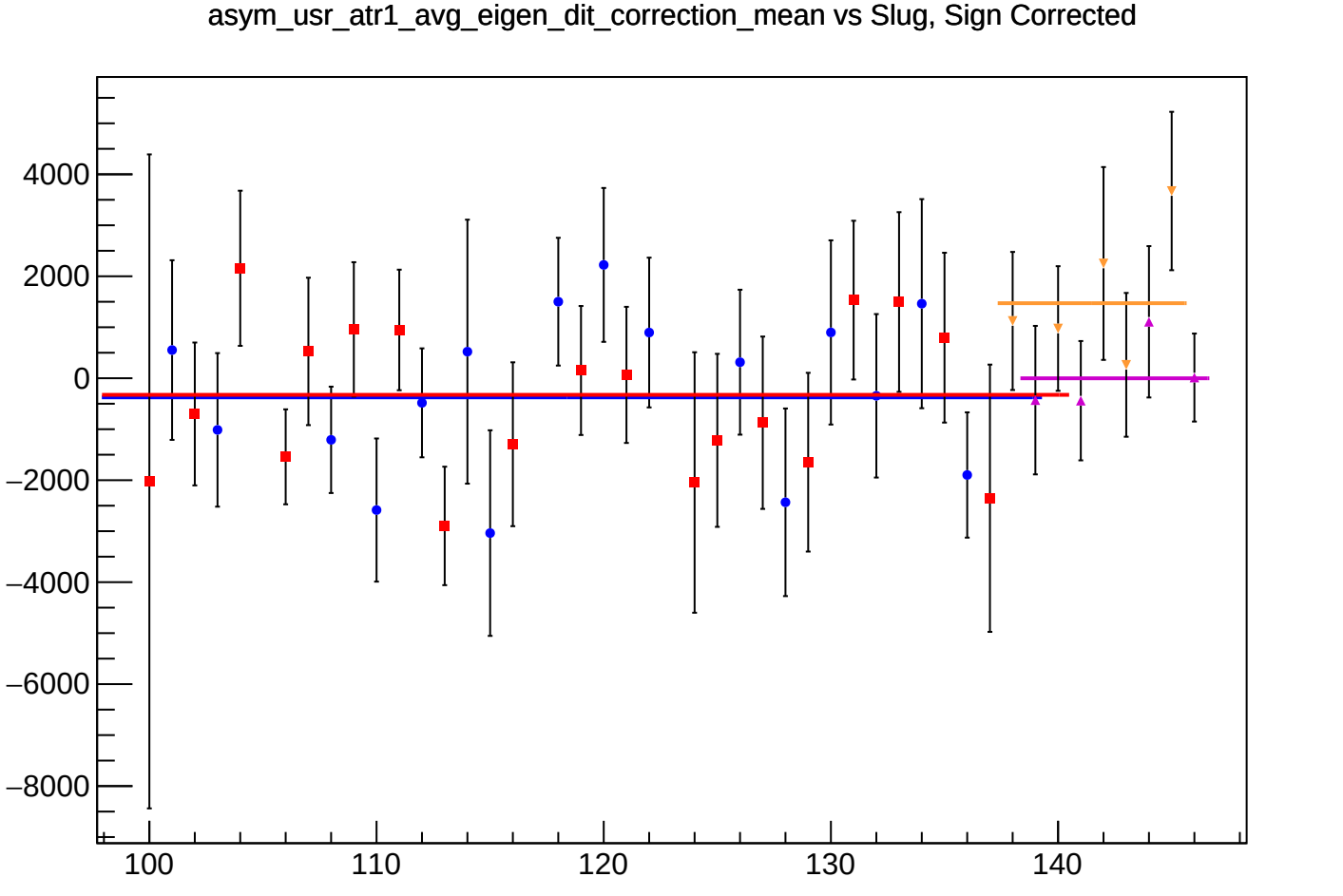
Left: 1615.116+/-0.425 χ^2/NDF: 262.7/8

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1647.897+/-0.361 χ^2/NDF:667867.4/19

Out: 1644.020+/-0.352 χ^2/NDF:196718.0/23

All: 1645.912+/-0.252 χ^2/NDF: 864644.6/43



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 1471.728+/-643.964 χ^2/NDF:3.1/4

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -1.385+/-577.505 χ^2/NDF:0.8/3

Left: 655.258+/-429.940 χ^2/NDF: 6.8/8

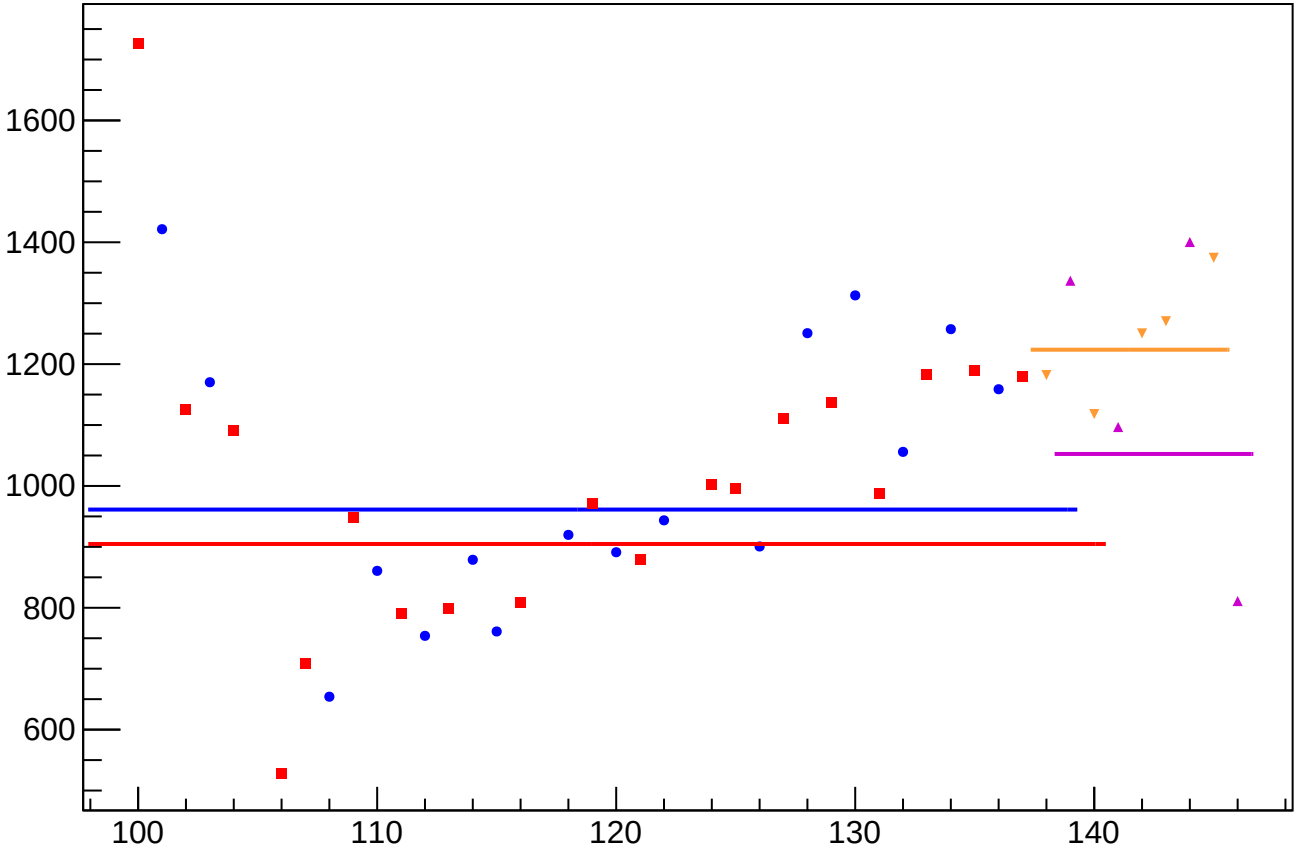
Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -266.836+/-310.312 χ^2/NDF:16.8/19

Out: 67.269+/-301.094 χ^2/NDF:26.6/23

All: -94.747+/-216.091 χ^2/NDF: 44.0/43

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 1223.673+/-0.455 χ^2/NDF:38310.5/4

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 1052.507+/-0.408 χ^2/NDF:345592.2/3

Left: 1128.804+/-0.304 χ^2/NDF: 462217.9/8

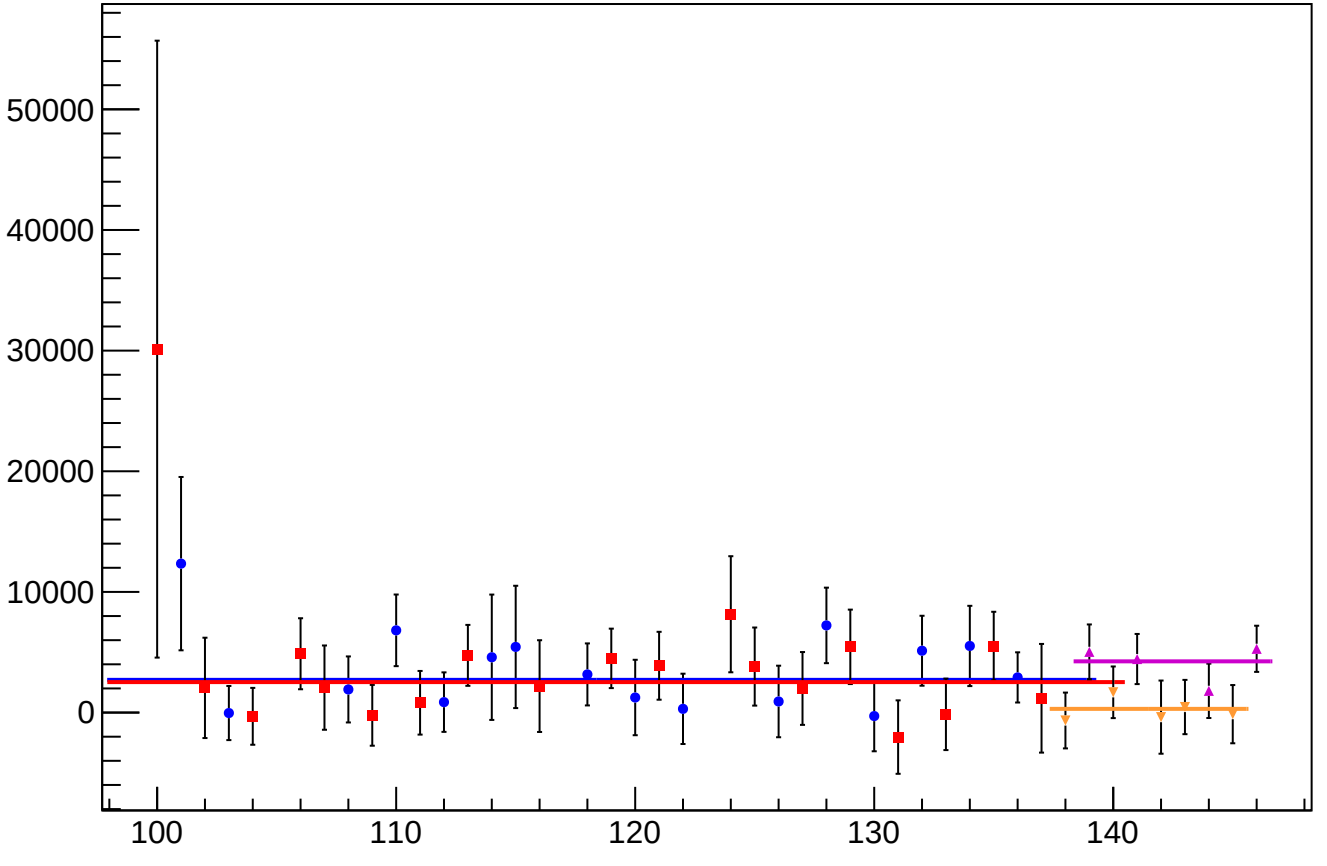
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 987.590+/-0.219 χ^2/NDF:1073005.3/19

Out: 974.459+/-0.213 χ^2/NDF:1158135.3/23

All: 980.827+/-0.153 χ^2/NDF: 2232985.3/43

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 306.619+/-1063.953 χ^2/NDF:0.7/4

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 4245.045+/-1056.677 χ^2/NDF:1.6/3

Left: 2289.346+/-749.743 χ^2/NDF: 9.2/8

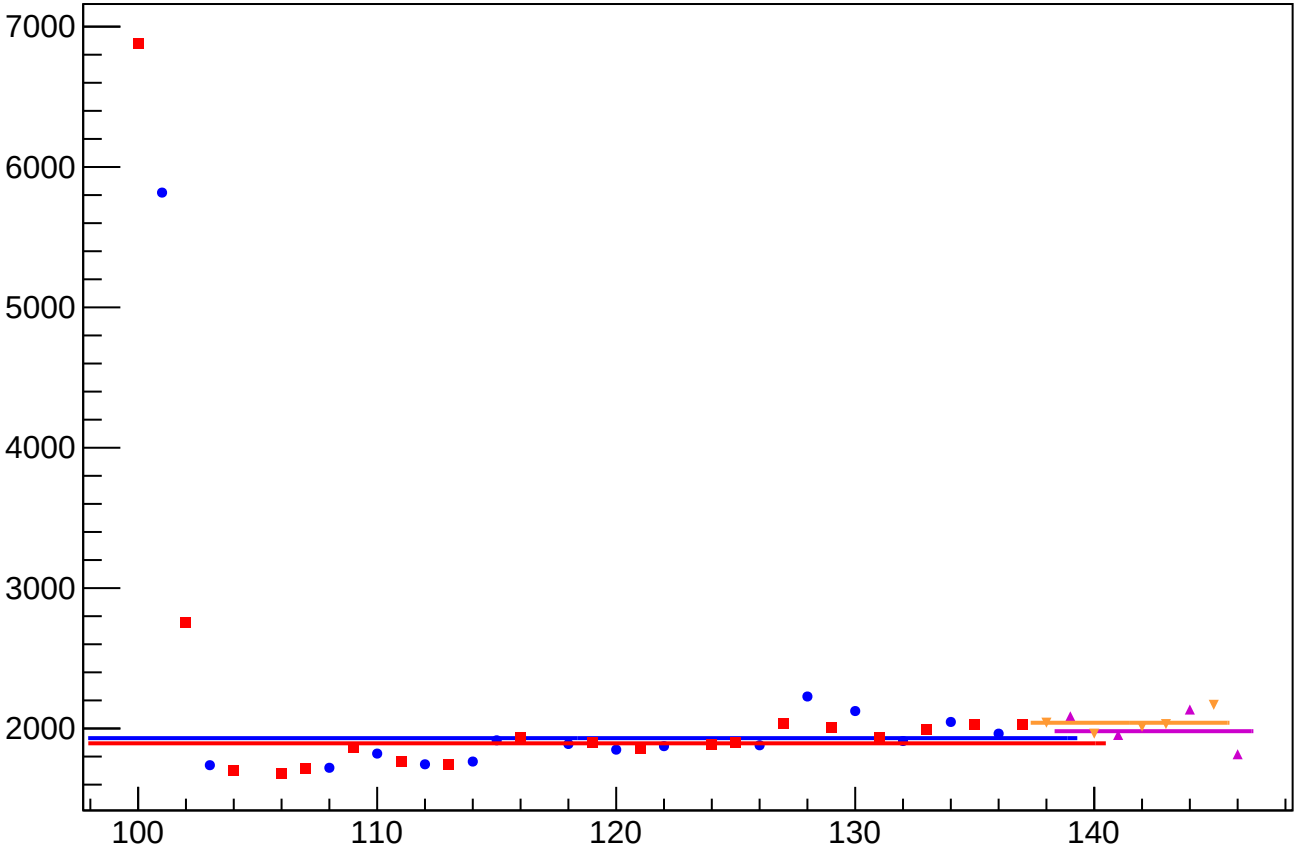
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 3211.548+/-603.435 χ^2/NDF:15.1/19

Out: 1846.597+/-588.529 χ^2/NDF:16.9/23

All: 2512.005+/-421.324 χ^2/NDF: 34.7/43

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 2040.849+/-0.752 χ^2/NDF:8443.1/4

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1980.722+/-0.747 χ^2/NDF:28806.6/3

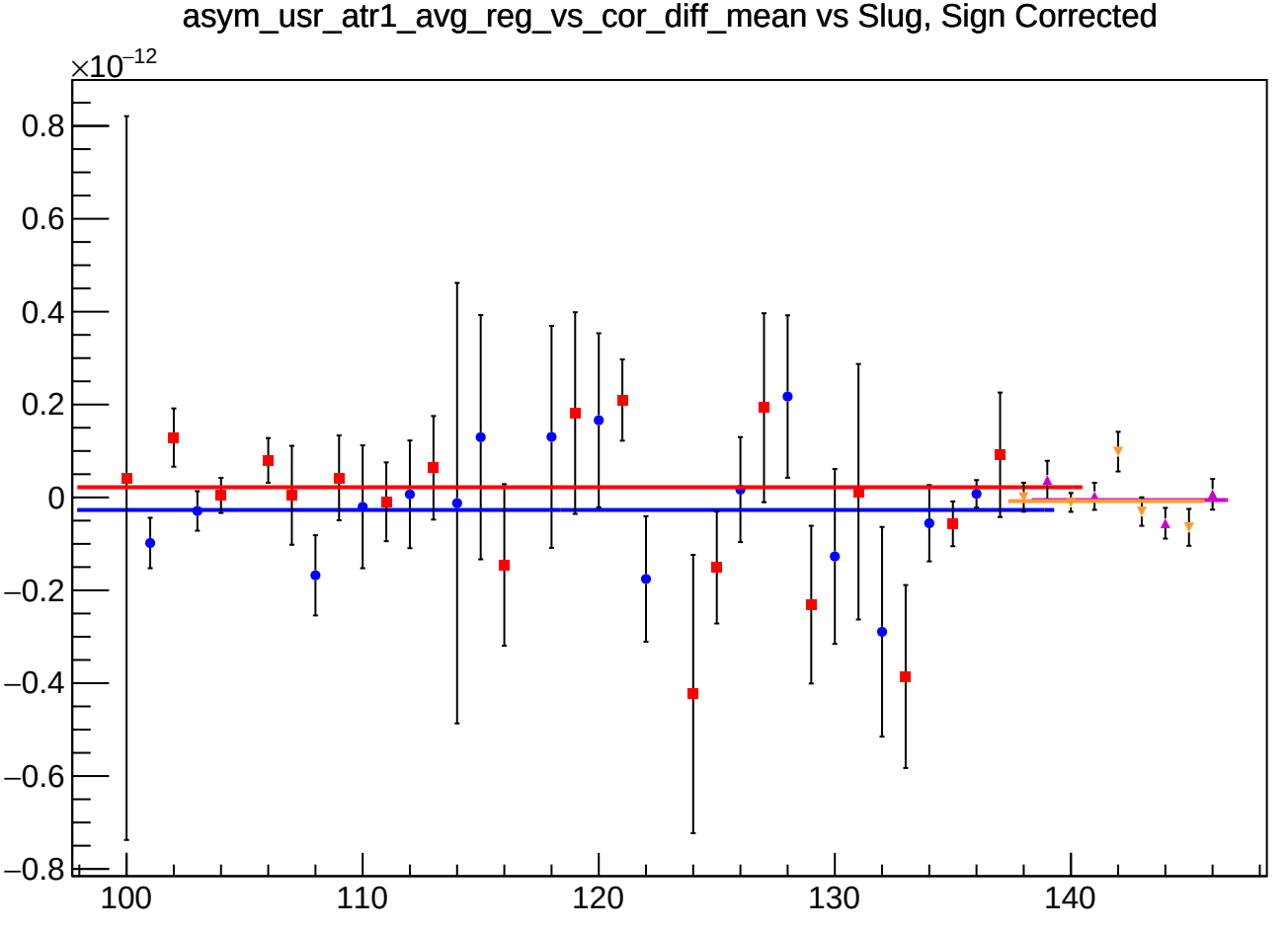
Left: 2010.579+/-0.530 χ^2/NDF: 40465.3/8

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1947.384+/-0.427 χ^2/NDF:692988.0/19

Out: 1939.174+/-0.416 χ^2/NDF:255301.1/23

All: 1943.177+/-0.298 χ^2/NDF: 948478.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/3

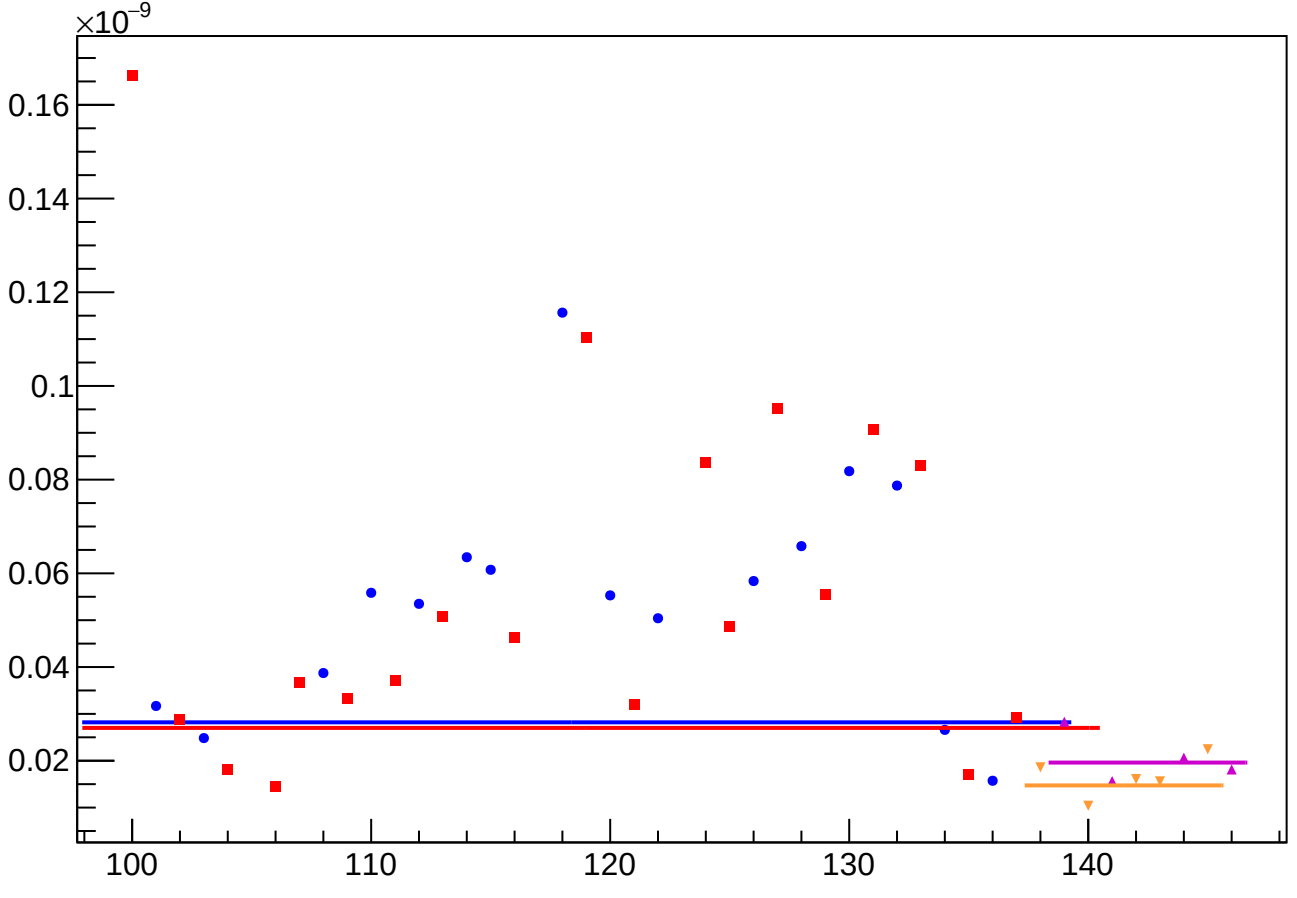
Left: -0.000+/-0.000 χ^2/NDF: 12.4/8

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:17.0/19

Out: 0.000+/-0.000 χ^2/NDF:35.9/23

All: -0.000+/-0.000 χ^2/NDF: 53.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:200578.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:130535.6/3

Left: 0.000+/-0.000 χ^2/NDF: 435763.3/8

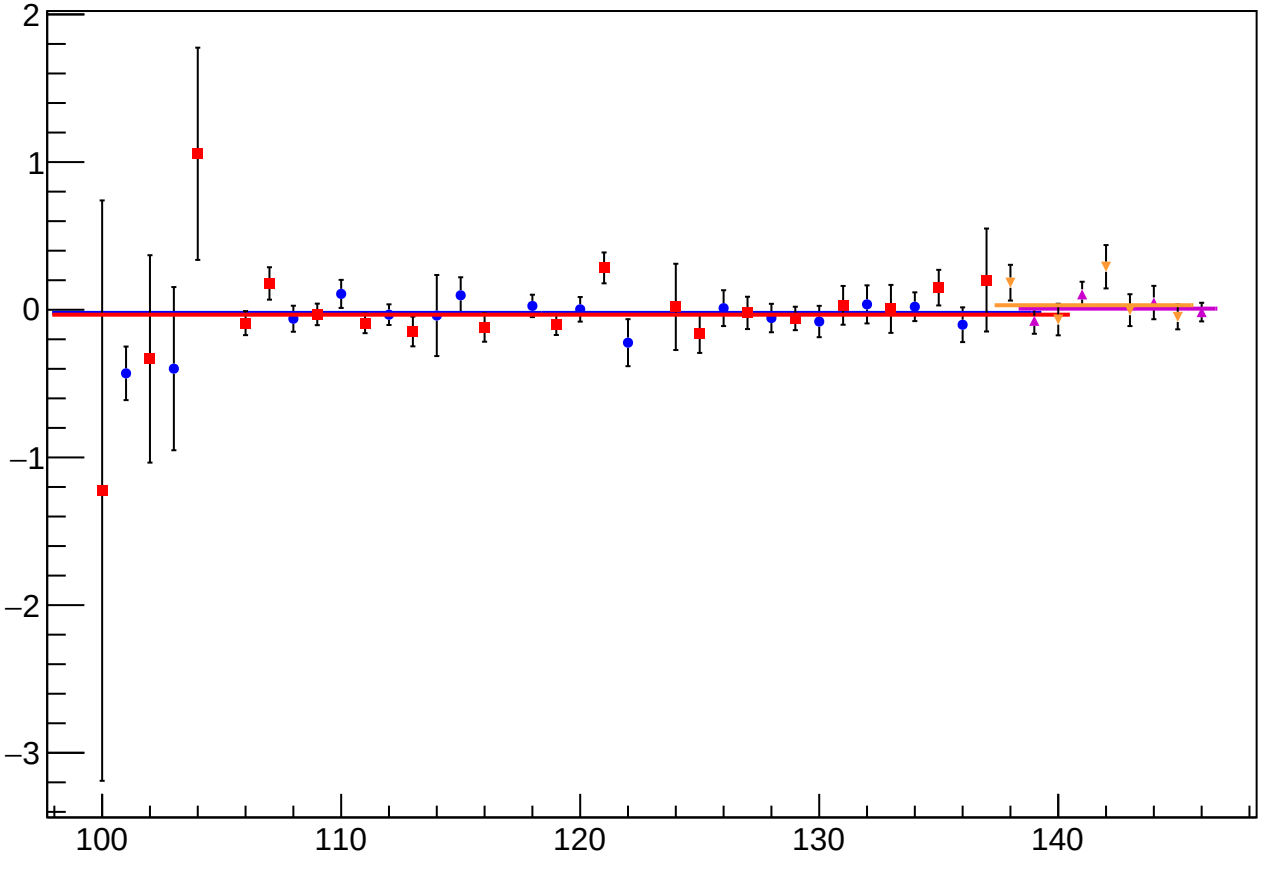
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:1849498.2/19

Out: 0.000+/-0.000 χ^2/NDF:2304020.5/23

All: 0.000+/-0.000 χ^2/NDF: 4310126.2/43

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: 0.031+/-0.048 χ^2/NDF:6.5/4

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.008+/-0.041 χ^2/NDF:2.4/3

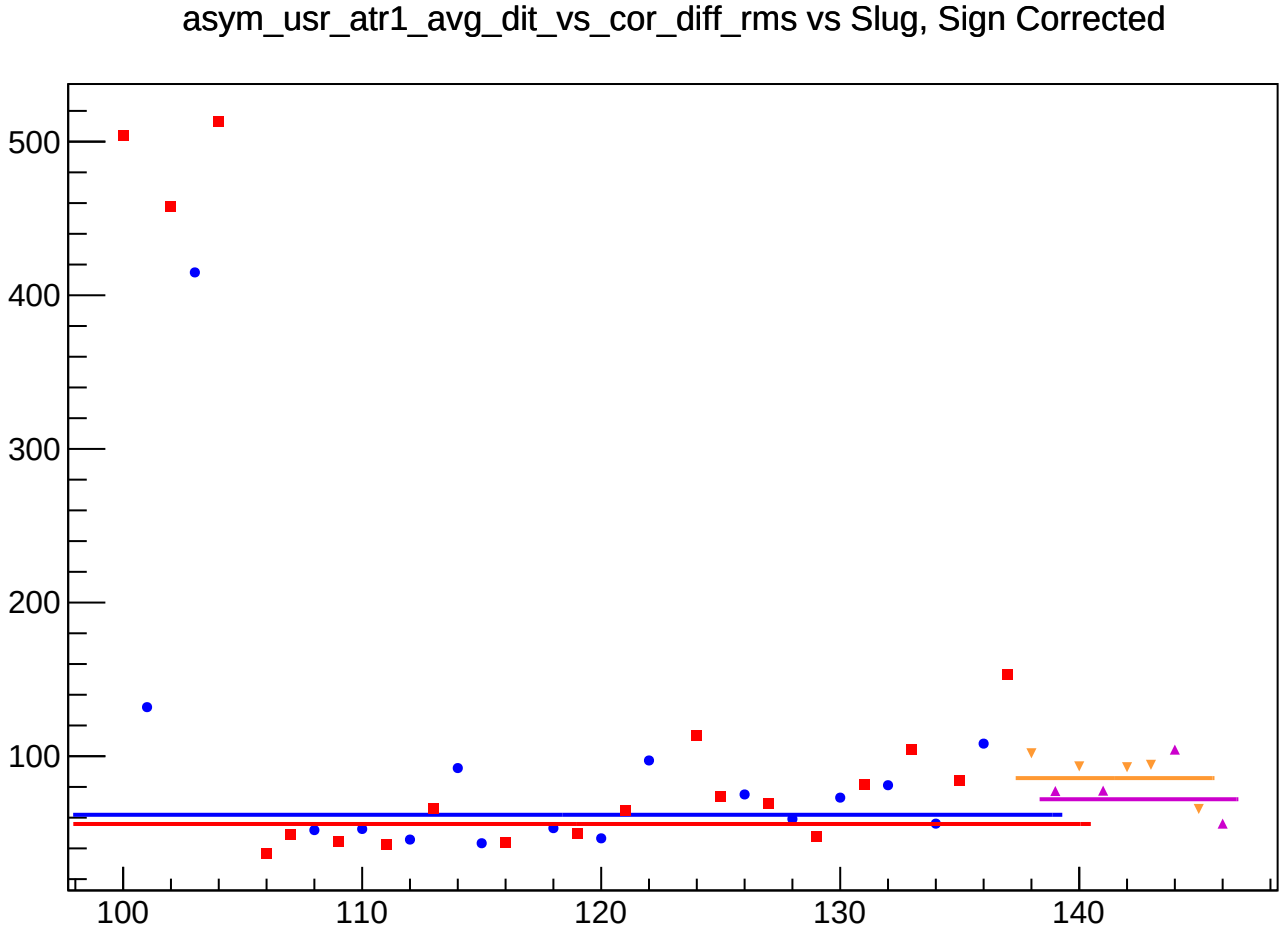
Left: 0.017+/-0.031 χ^2/NDF: 9.1/8

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.013+/-0.022 χ^2/NDF:14.8/19

Out: -0.020+/-0.022 χ^2/NDF:32.3/23

All: -0.016+/-0.016 χ^2/NDF: 47.2/43



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 85.749+/-0.034 χ^2/NDF:177372.1/4

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 71.989+/-0.029 χ^2/NDF:306092.7/3

Left: 77.744+/-0.022 χ^2/NDF: 578005.5/8

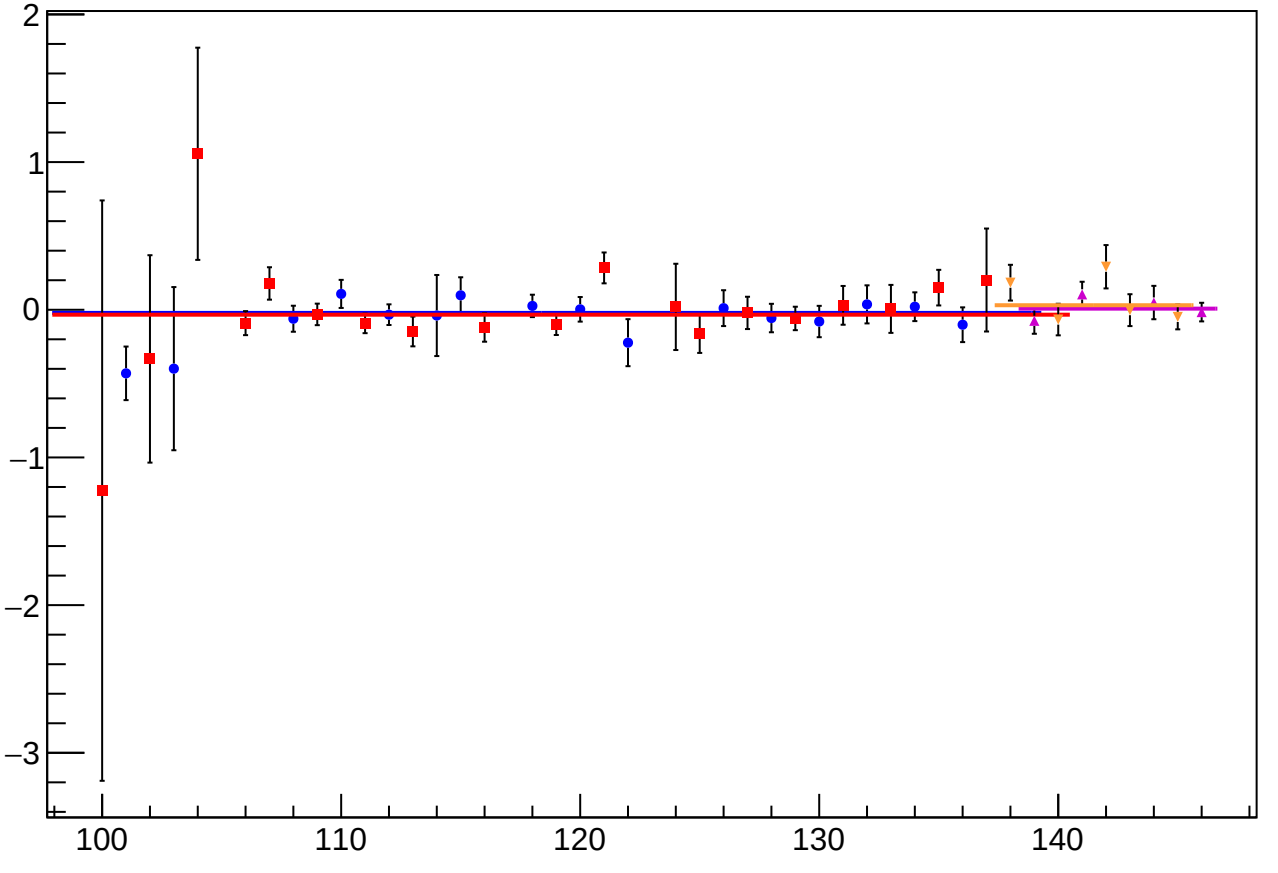
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 64.872+/-0.016 χ^2/NDF:2329970.9/19

Out: 62.037+/-0.015 χ^2/NDF:3376392.5/23

All: 63.431+/-0.011 χ^2/NDF: 5722823.8/43

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.031+/-0.048 χ^2/NDF:6.5/4

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.008+/-0.041 χ^2/NDF:2.4/3

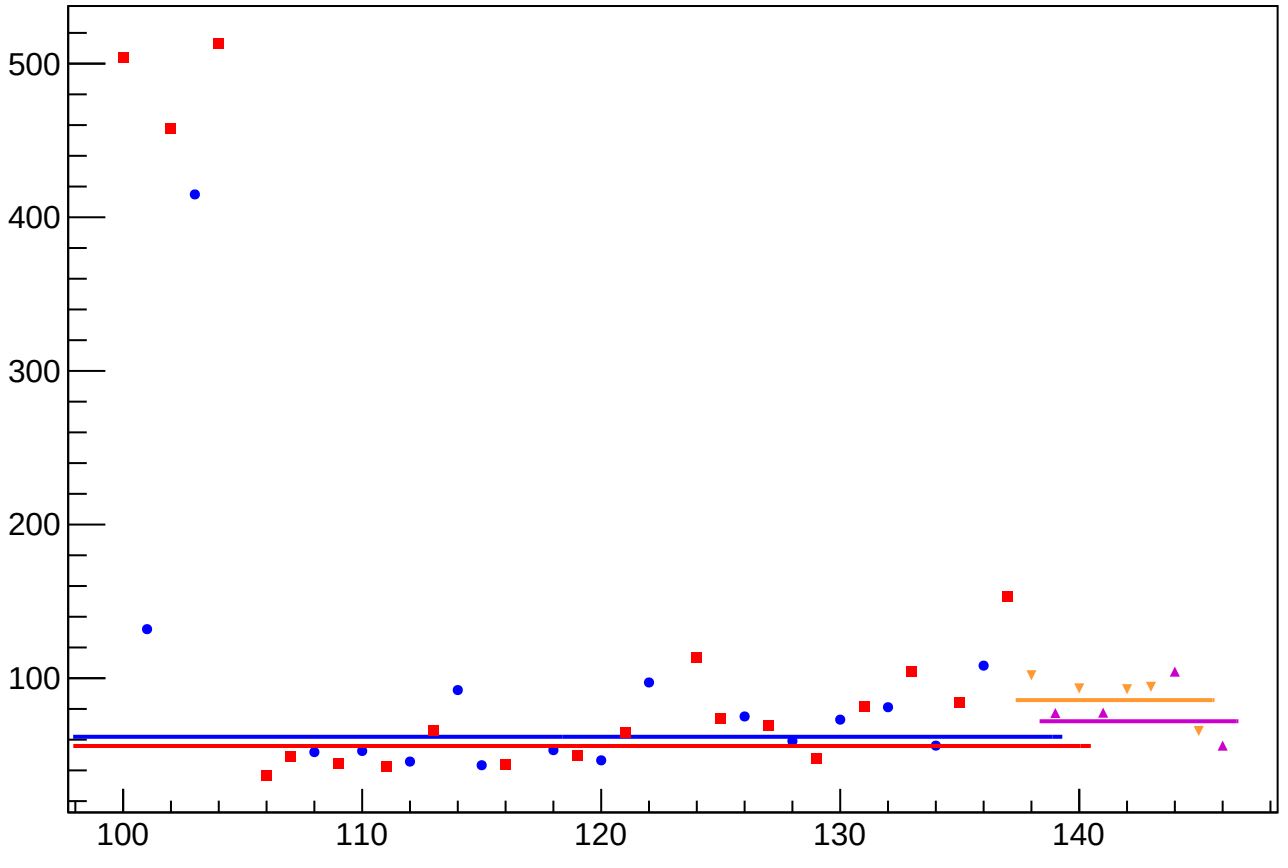
Left: 0.017+/-0.031 χ^2/NDF: 9.1/8

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.013+/-0.022 χ^2/NDF:14.8/19

Out: -0.020+/-0.022 χ^2/NDF:32.3/23

All: -0.016+/-0.016 χ^2/NDF: 47.2/43



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 85.749+/-0.034 χ^2/NDF:177372.1/4

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 71.989+/-0.029 χ^2/NDF:306092.7/3

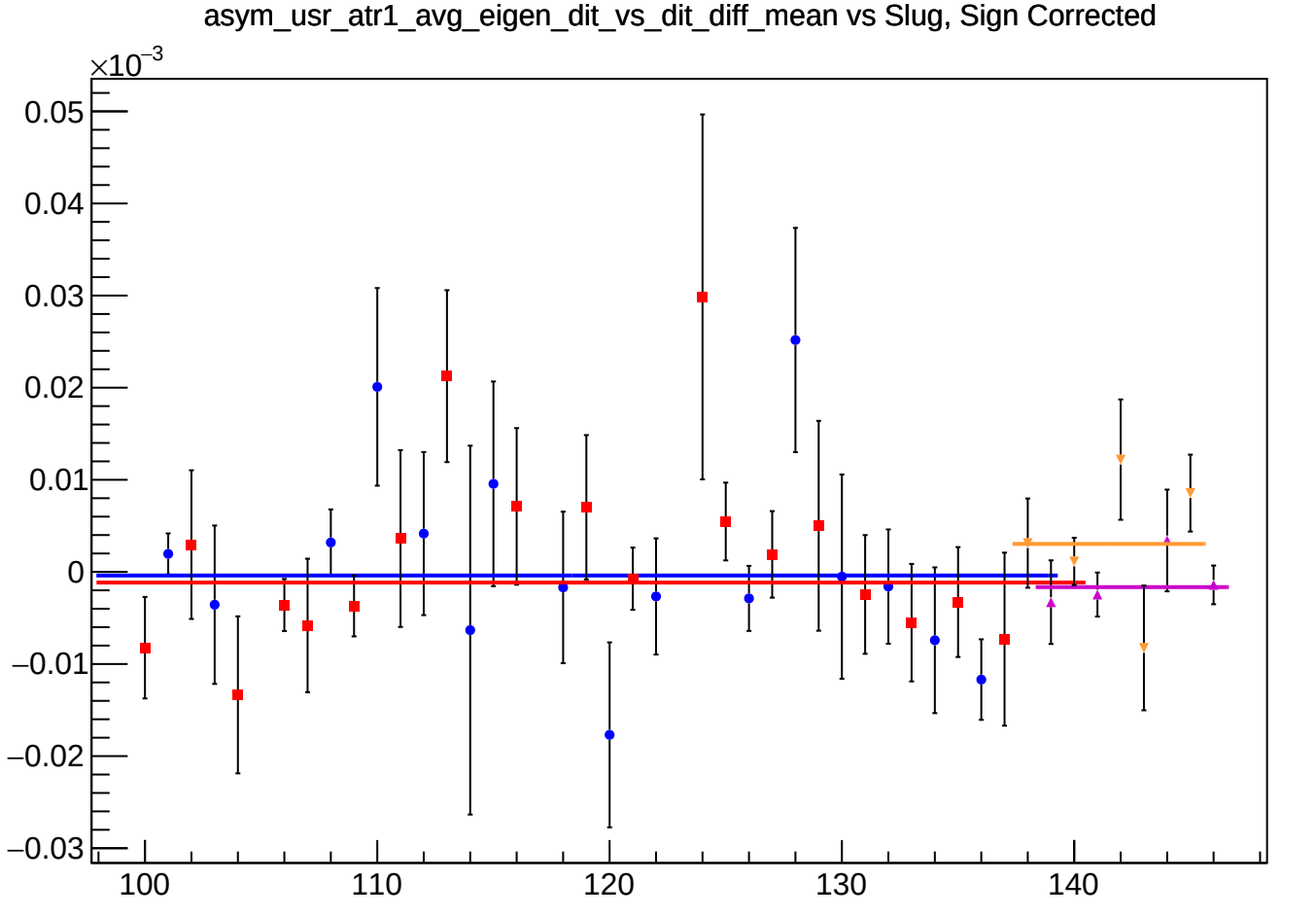
Left: 77.744+/-0.022 χ^2/NDF: 578005.5/8

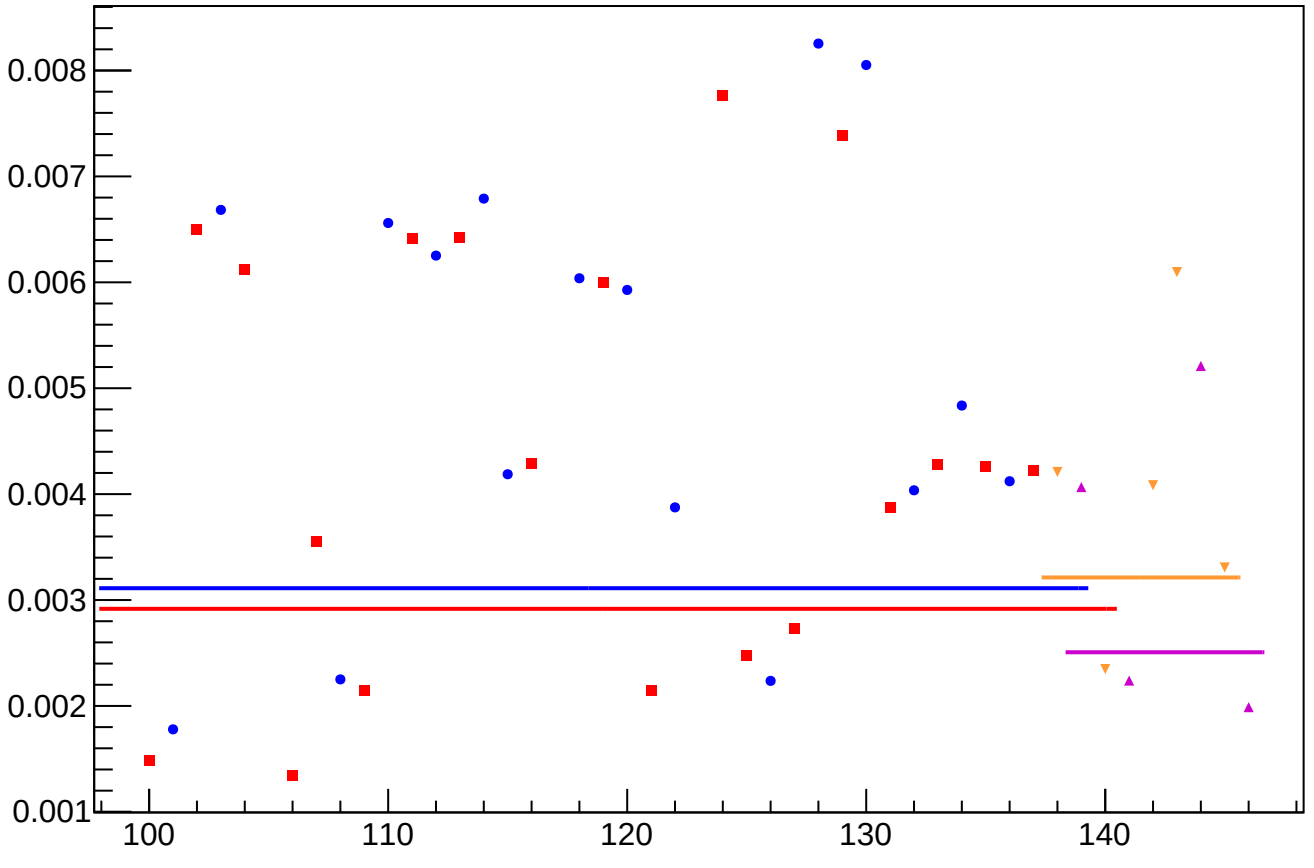
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 64.872+/-0.016 χ^2/NDF:2329970.9/19

Out: 62.037+/-0.015 χ^2/NDF:3376392.5/23

All: 63.431+/-0.011 χ^2/NDF: 5722823.8/43


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:7.0/4
Right Out: -0.000+/-0.000 χ²/NDF: 20.4/18
Left In: -0.000+/-0.000 χ²/NDF:1.1/3
Left: 0.000+/-0.000 χ²/NDF: 12.2/8
Right: -0.000+/-0.000 χ²/NDF: 43.2/34
In: -0.000+/-0.000 χ²/NDF:24.1/19
Out: 0.000+/-0.000 χ²/NDF:31.1/23
All: -0.000+/-0.000 χ²/NDF: 55.8/43



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:711002.5/4

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.003+/-0.000 χ^2/NDF:862193.8/3

Left: 0.003+/-0.000 χ^2/NDF: 1756691.5/8

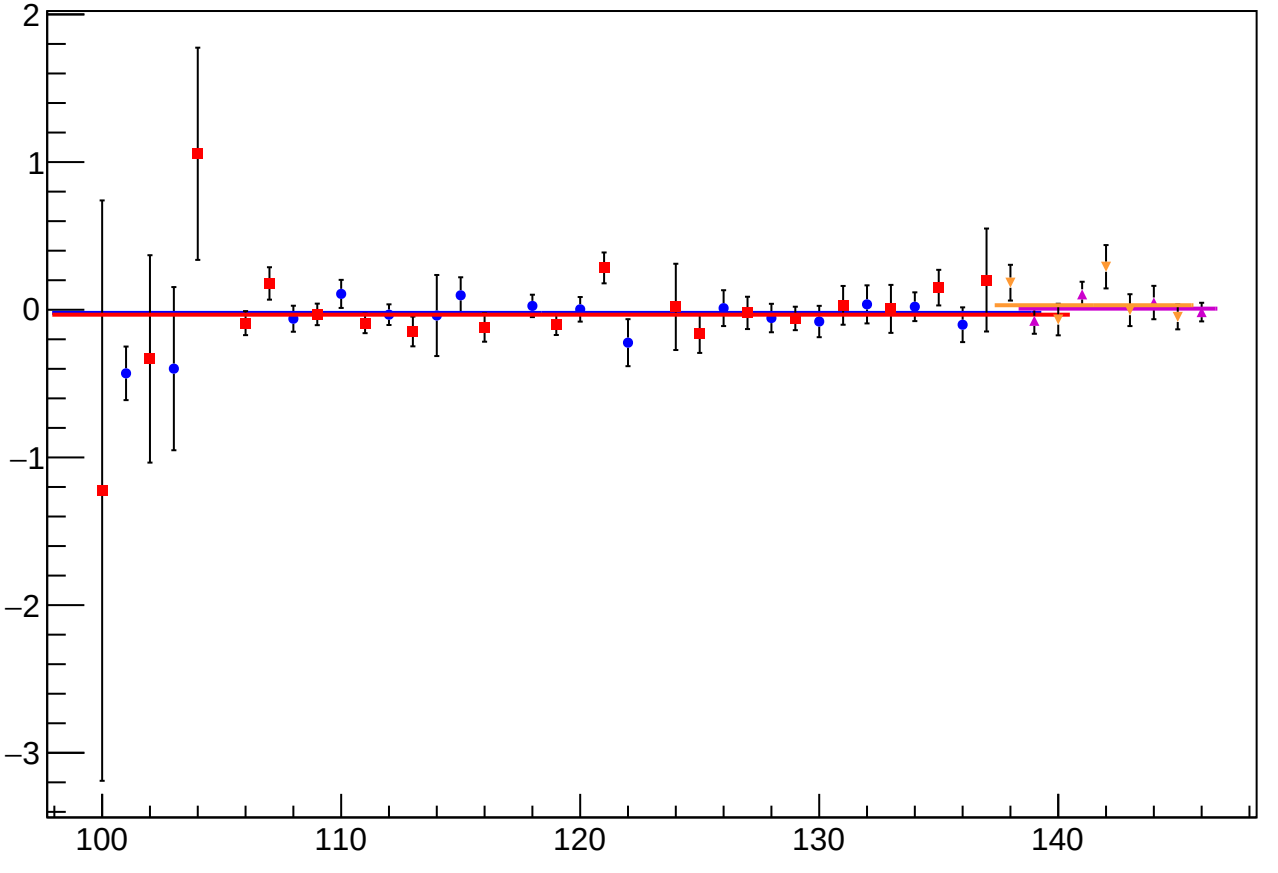
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:4336582.5/19

Out: 0.003+/-0.000 χ^2/NDF:4041987.8/23

All: 0.003+/-0.000 χ^2/NDF: 8410073.8/43

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: 0.031+/-0.048 χ^2/NDF:6.5/4

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.008+/-0.041 χ^2/NDF:2.4/3

Left: 0.017+/-0.031 χ^2/NDF: 9.1/8

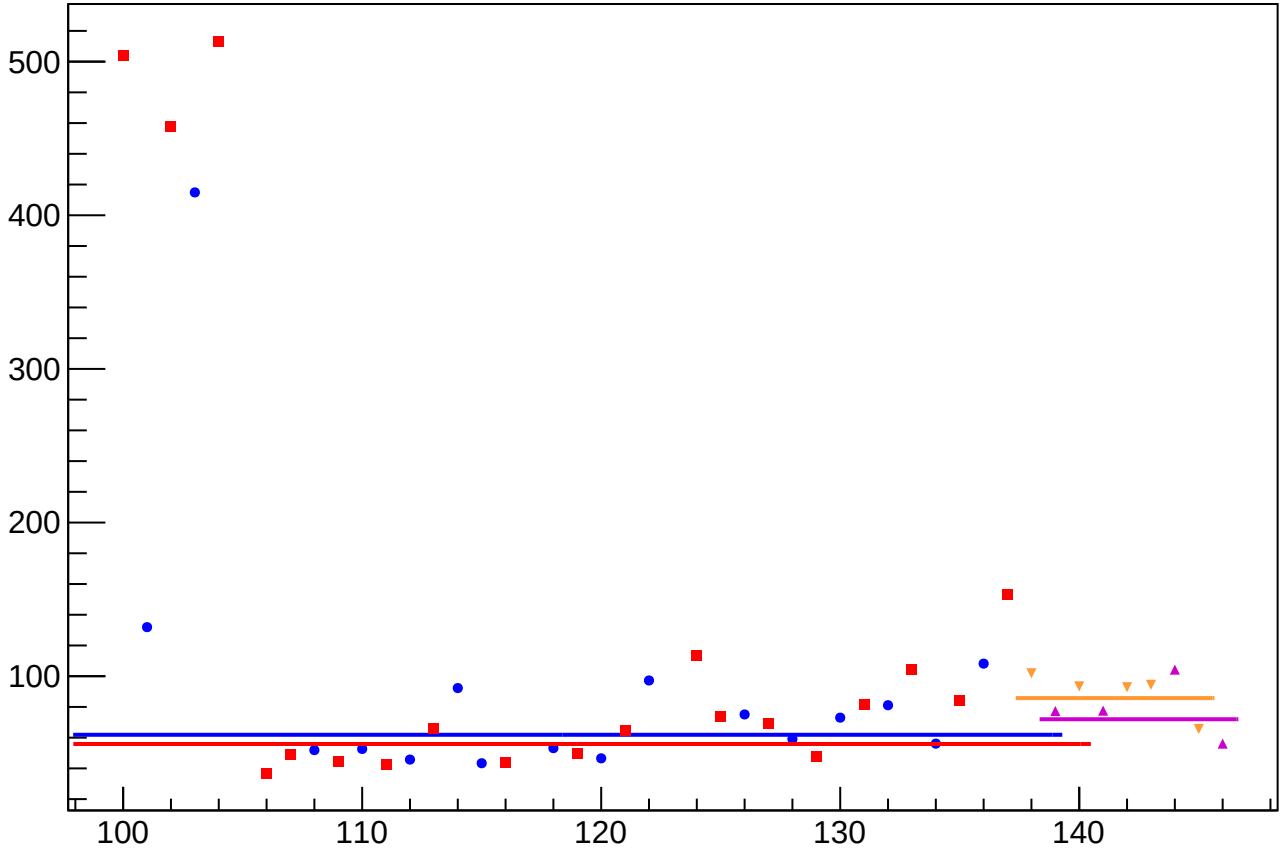
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.013+/-0.022 χ^2/NDF:14.8/19

Out: -0.020+/-0.022 χ^2/NDF:32.3/23

All: -0.016+/-0.016 χ^2/NDF: 47.2/43

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 85.749+/-0.034 χ^2/NDF:177383.1/4

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 71.989+/-0.029 χ^2/NDF:306107.0/3

Left: 77.744+/-0.022 χ^2/NDF: 578031.4/8

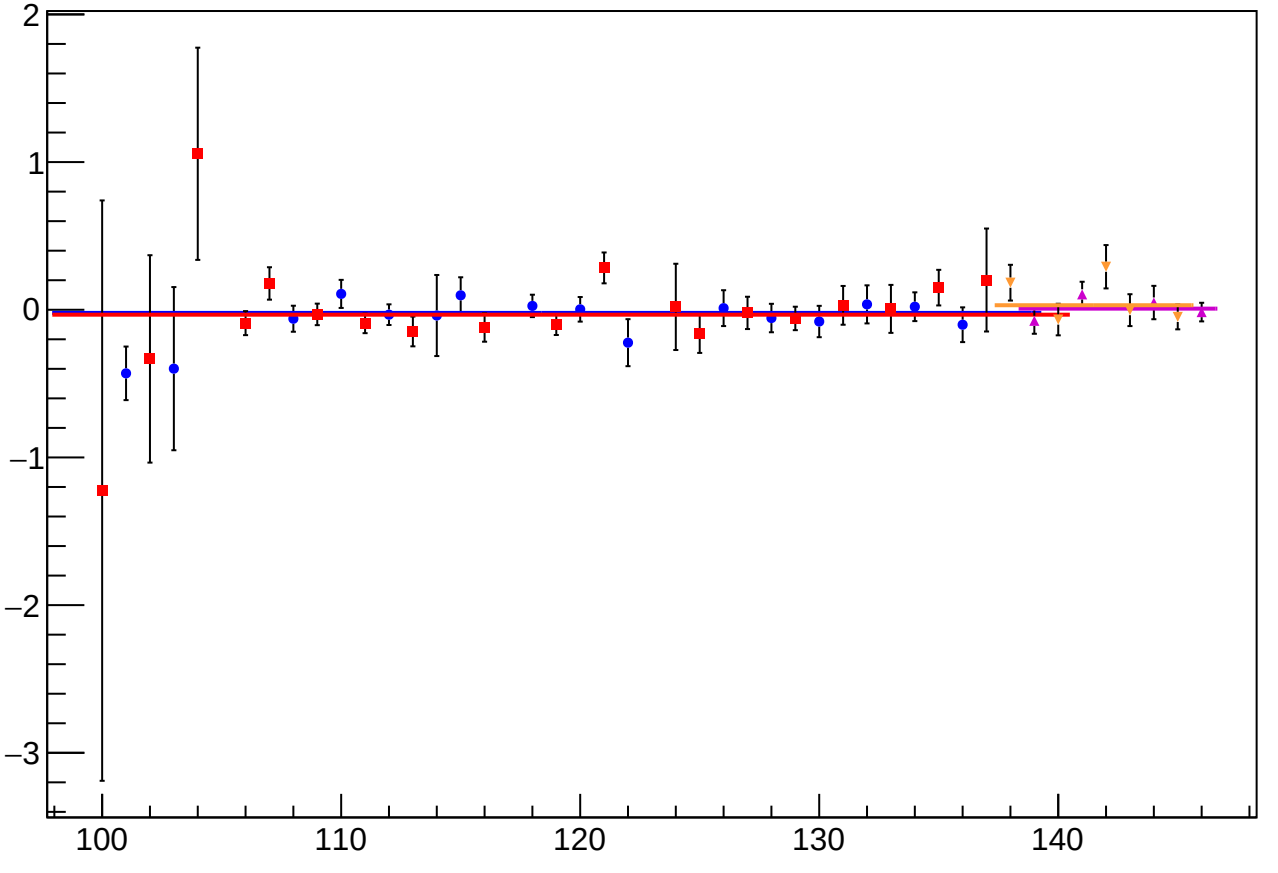
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 64.871+/-0.016 χ^2/NDF:2329945.3/19

Out: 62.037+/-0.015 χ^2/NDF:3376394.0/23

All: 63.430+/-0.011 χ^2/NDF: 5722802.8/43

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: 0.031+/-0.048 χ^2/NDF:6.5/4

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.008+/-0.041 χ^2/NDF:2.4/3

Left: 0.017+/-0.031 χ^2/NDF: 9.1/8

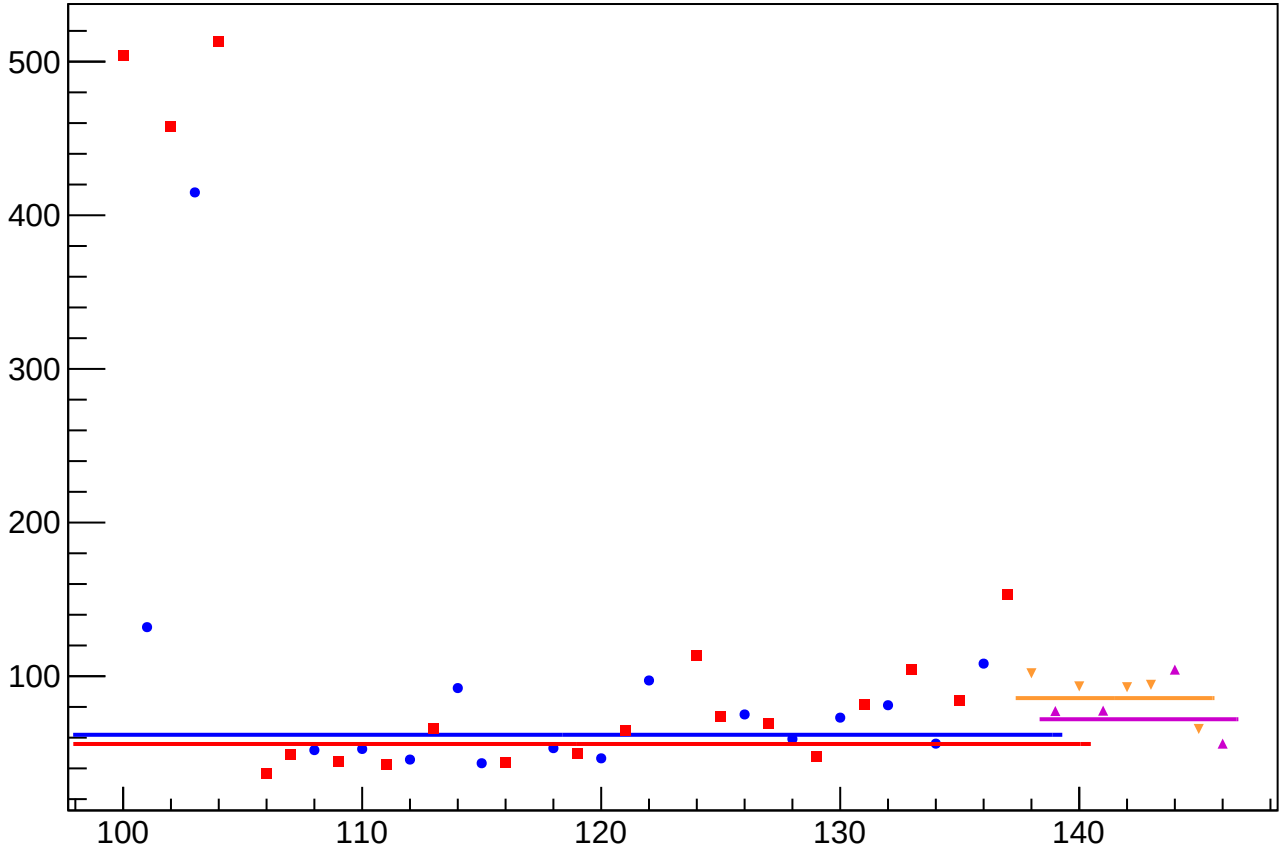
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.013+/-0.022 χ^2/NDF:14.8/19

Out: -0.020+/-0.022 χ^2/NDF:32.3/23

All: -0.016+/-0.016 χ^2/NDF: 47.2/43

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: 85.749+/-0.034 χ^2/NDF:177383.1/4

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 71.989+/-0.029 χ^2/NDF:306107.0/3

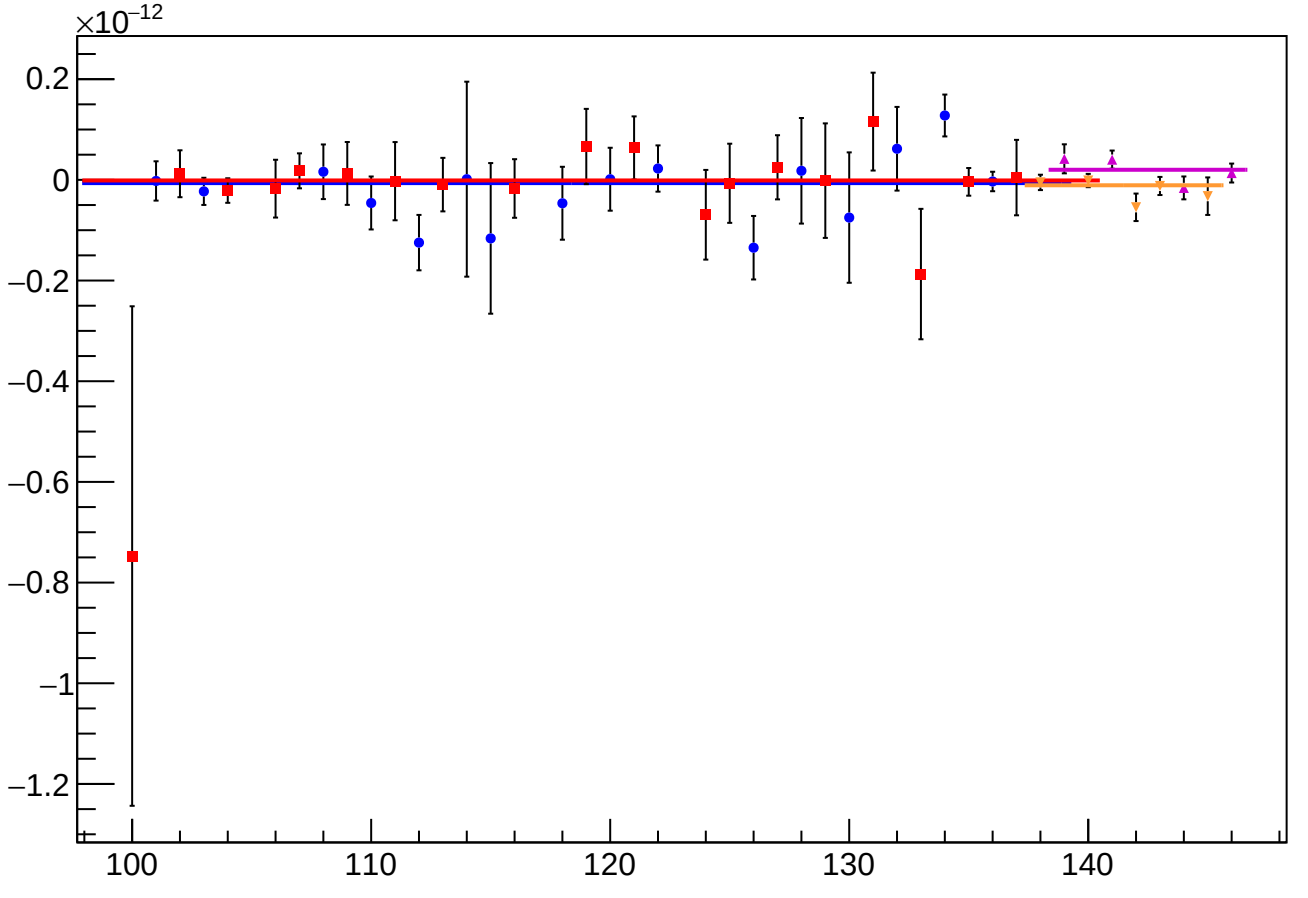
Left: 77.744+/-0.022 χ^2/NDF: 578031.4/8

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 64.871+/-0.016 χ^2/NDF:2329945.3/19

Out: 62.037+/-0.015 χ^2/NDF:3376394.0/23

All: 63.430+/-0.011 χ^2/NDF: 5722802.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/3

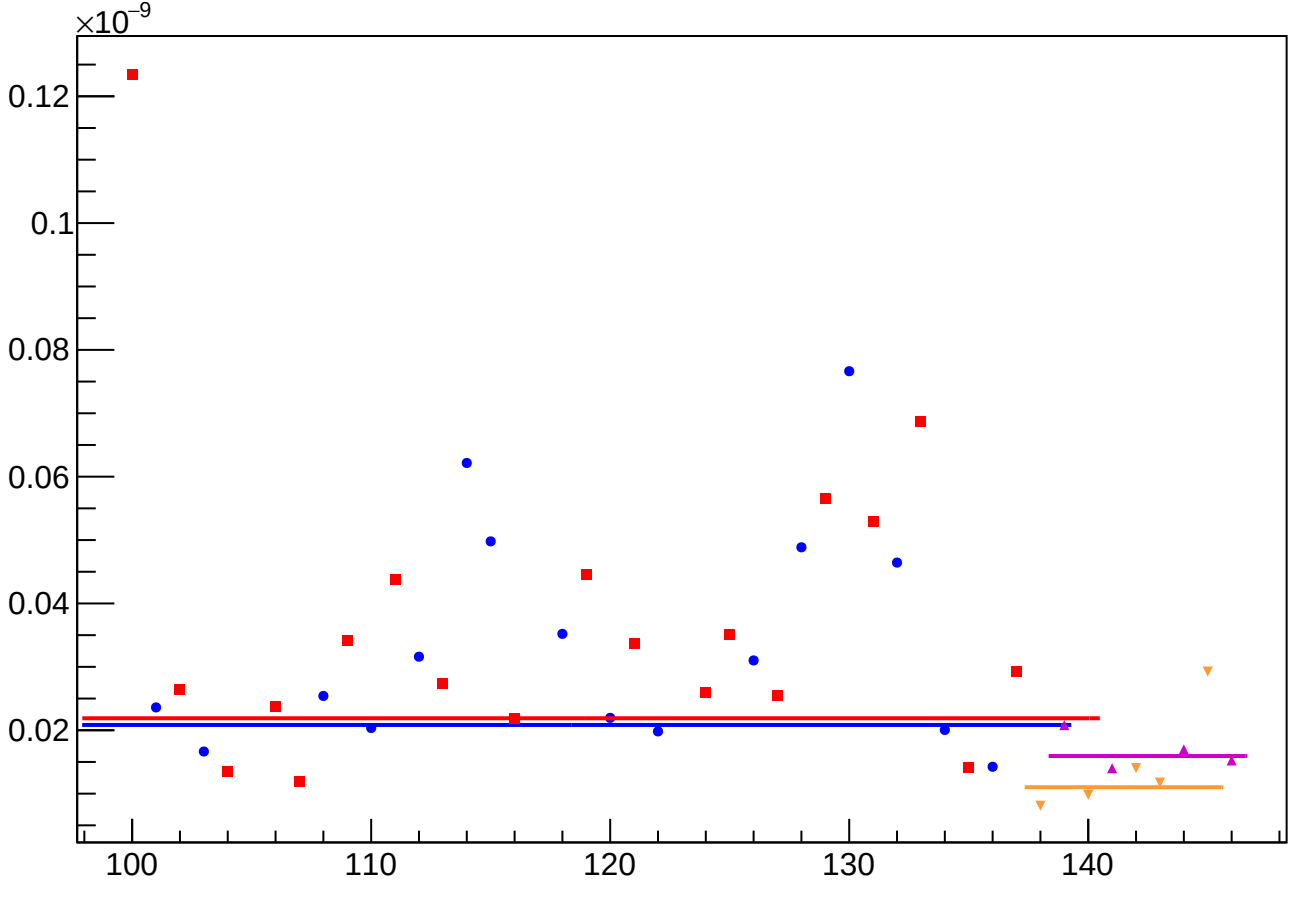
Left: 0.000+/-0.000 χ^2/NDF: 13.4/8

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: 0.000+/-0.000 χ^2/NDF:30.0/19

Out: -0.000+/-0.000 χ^2/NDF:13.7/23

All: -0.000+/-0.000 χ^2/NDF: 46.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:596485.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:86978.5/3

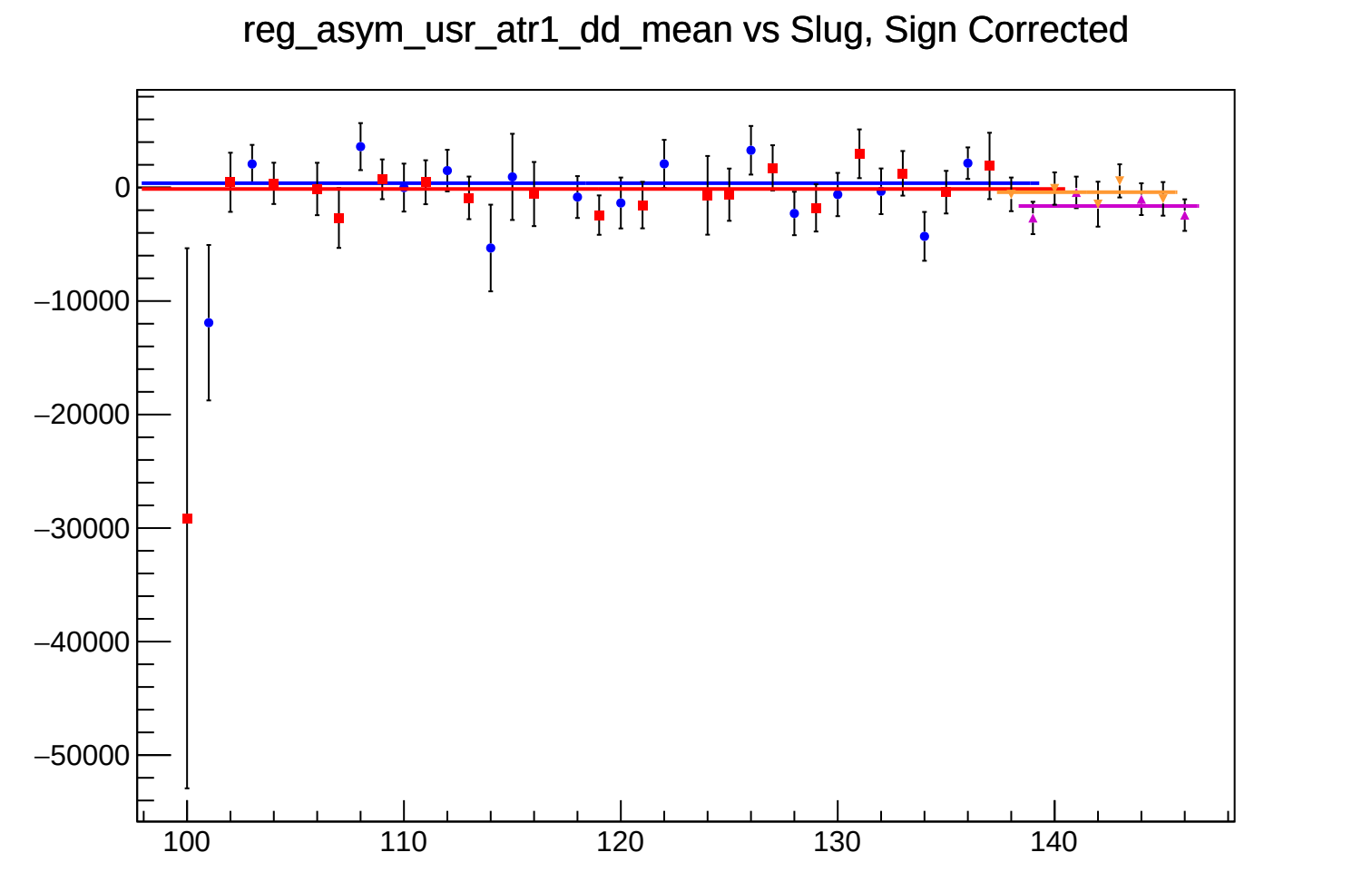
Left: 0.000+/-0.000 χ^2/NDF: 958351.7/8

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:1673414.8/19

Out: 0.000+/-0.000 χ^2/NDF:3644255.5/23

All: 0.000+/-0.000 χ^2/NDF: 5587034.0/43



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -411.123+/-685.417 χ^2/NDF:1.0/4

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -1630.693+/-700.429 χ^2/NDF:1.8/3

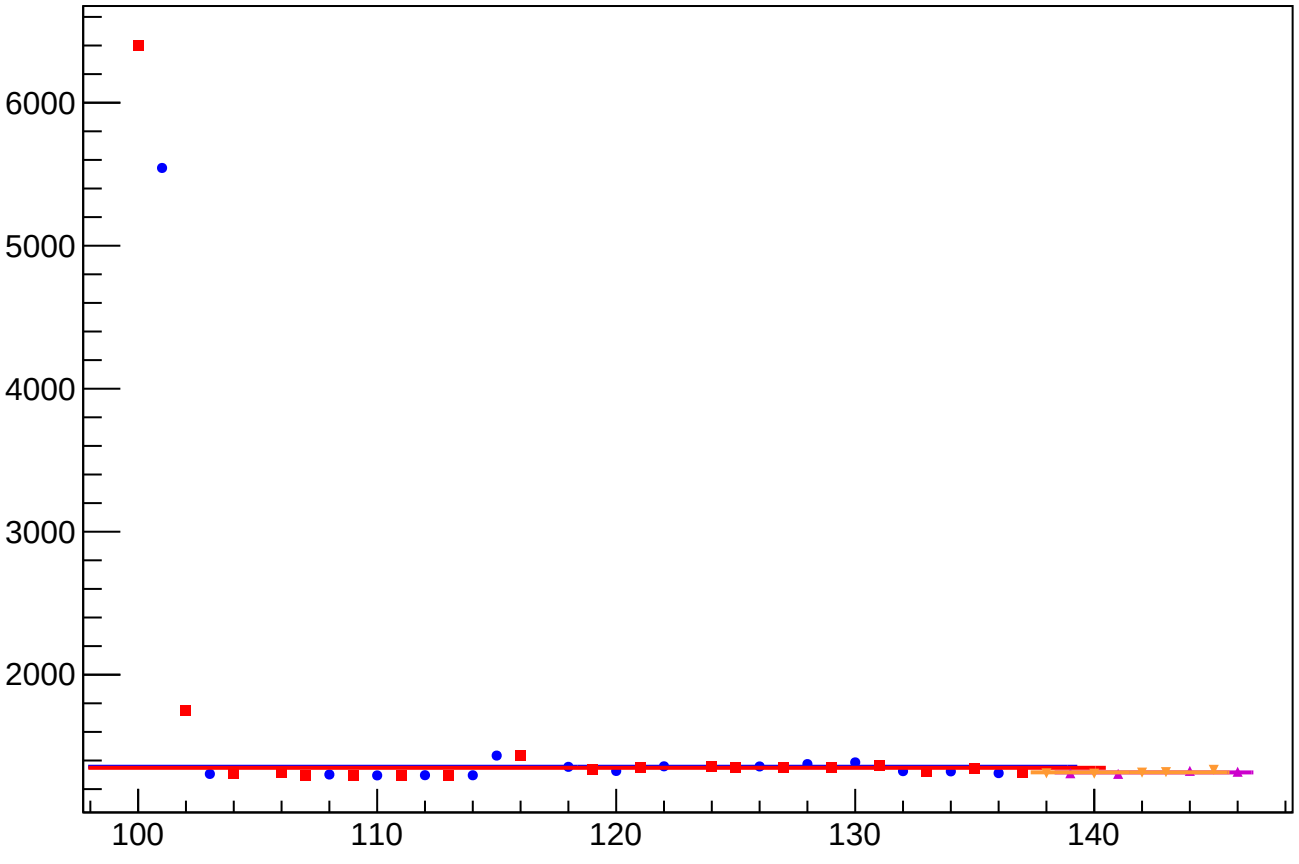
Left: -1007.699+/-489.884 χ^2/NDF: 4.3/8

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -329.615+/-416.371 χ^2/NDF:28.7/19

Out: -226.542+/-404.464 χ^2/NDF:11.1/23

All: -276.584+/-290.117 χ^2/NDF: 39.8/43



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1317.280+/-0.485 χ^2/NDF:412.9/4

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

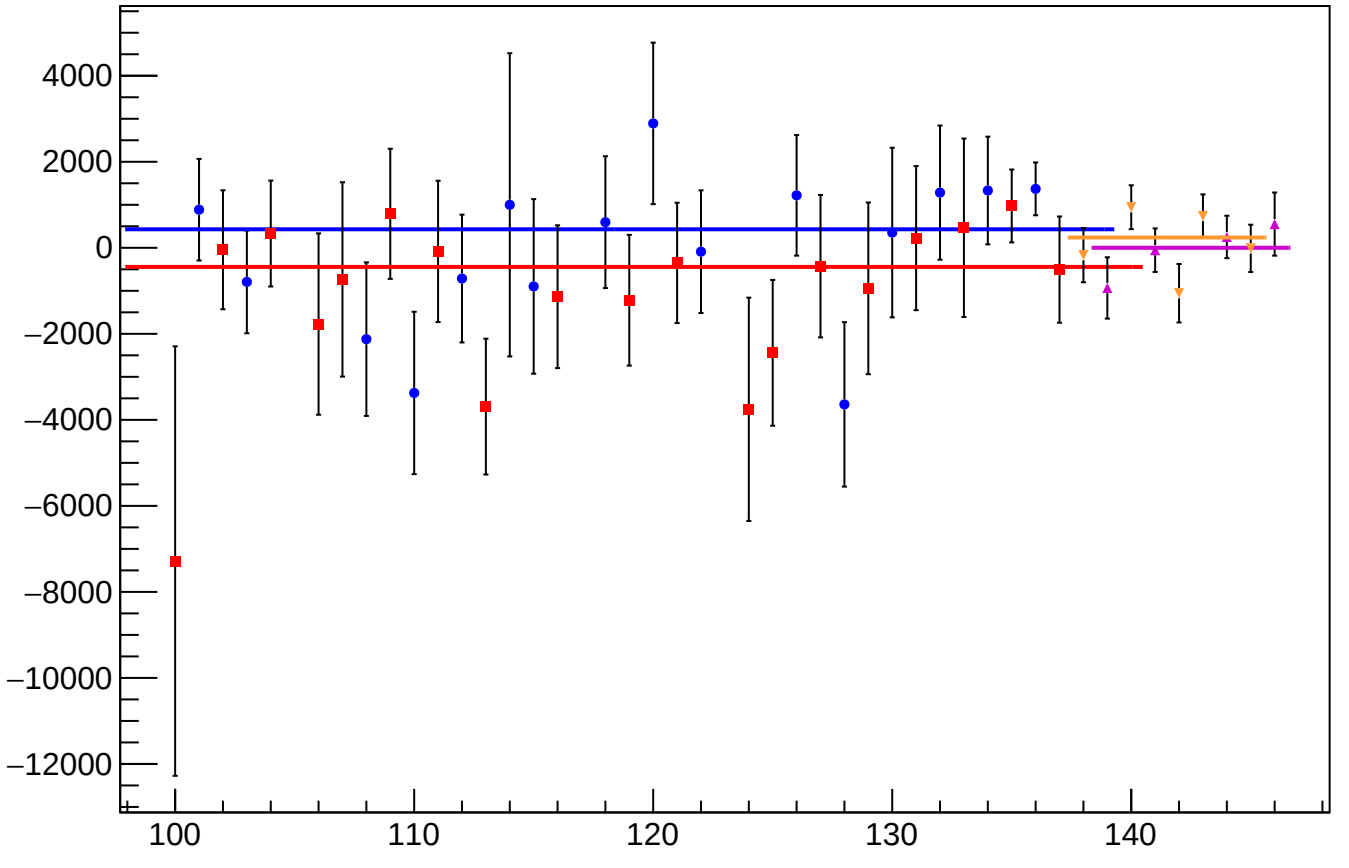
Left: 1317.025+/-0.346 χ^2/NDF: 693.4/8

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1342.390+/-0.294 χ^2/NDF:764688.0/19

Out: 1337.938+/-0.286 χ^2/NDF:150465.9/23

All: 1340.099+/-0.205 χ^2/NDF: 915271.5/43



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 239.487+/-251.750 χ^2/NDF:7.2/4

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: 0.691+/-290.637 χ^2/NDF:2.6/3

Left: 137.122+/-190.289 χ^2/NDF: 10.1/8

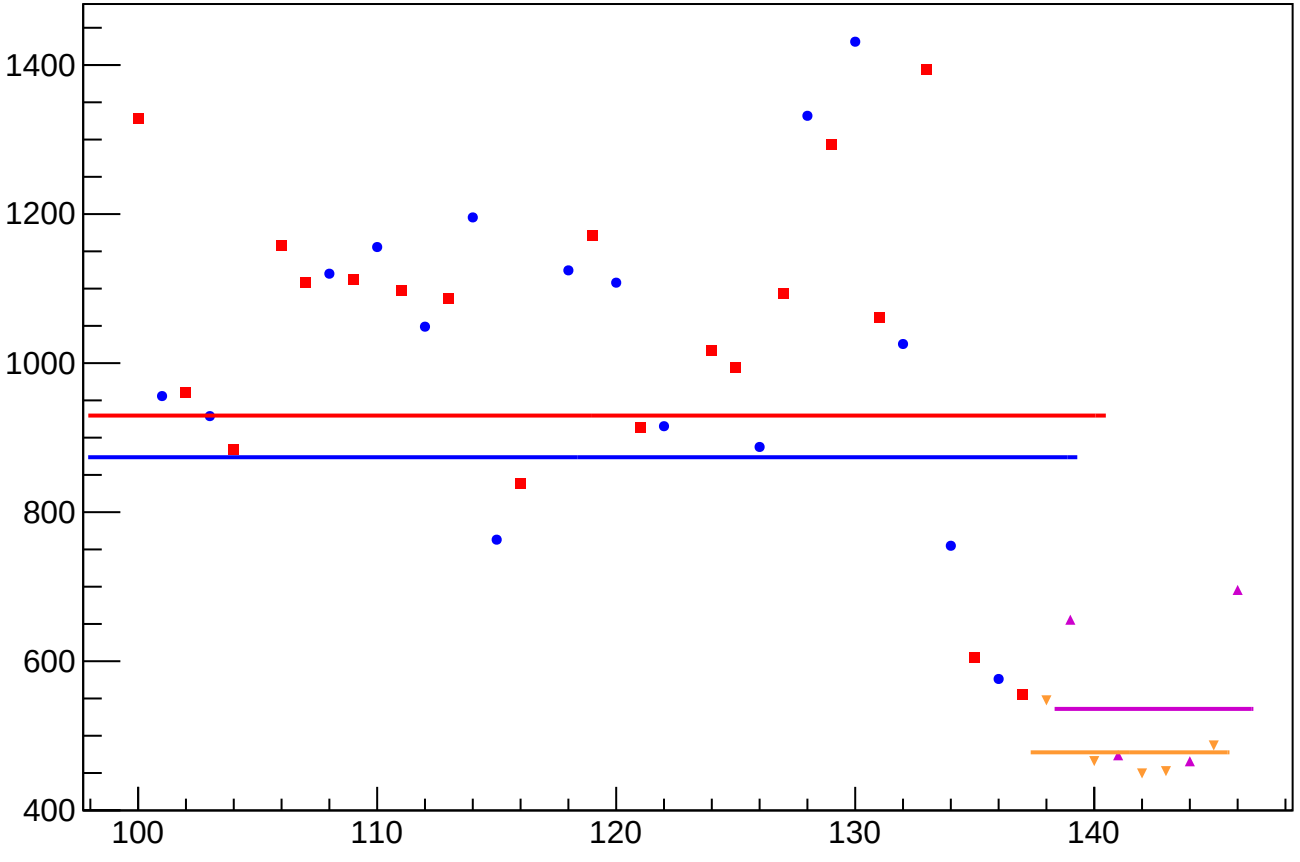
Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 183.052+/-220.498 χ^2/NDF:21.7/19

Out: 11.102+/-205.469 χ^2/NDF:24.0/23

All: 91.018+/-150.321 χ^2/NDF: 46.0/43

asym_usr_atr1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 477.731+/-0.178 χ^2/NDF:34680.1/4

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 536.018+/-0.206 χ^2/NDF:221824.0/3

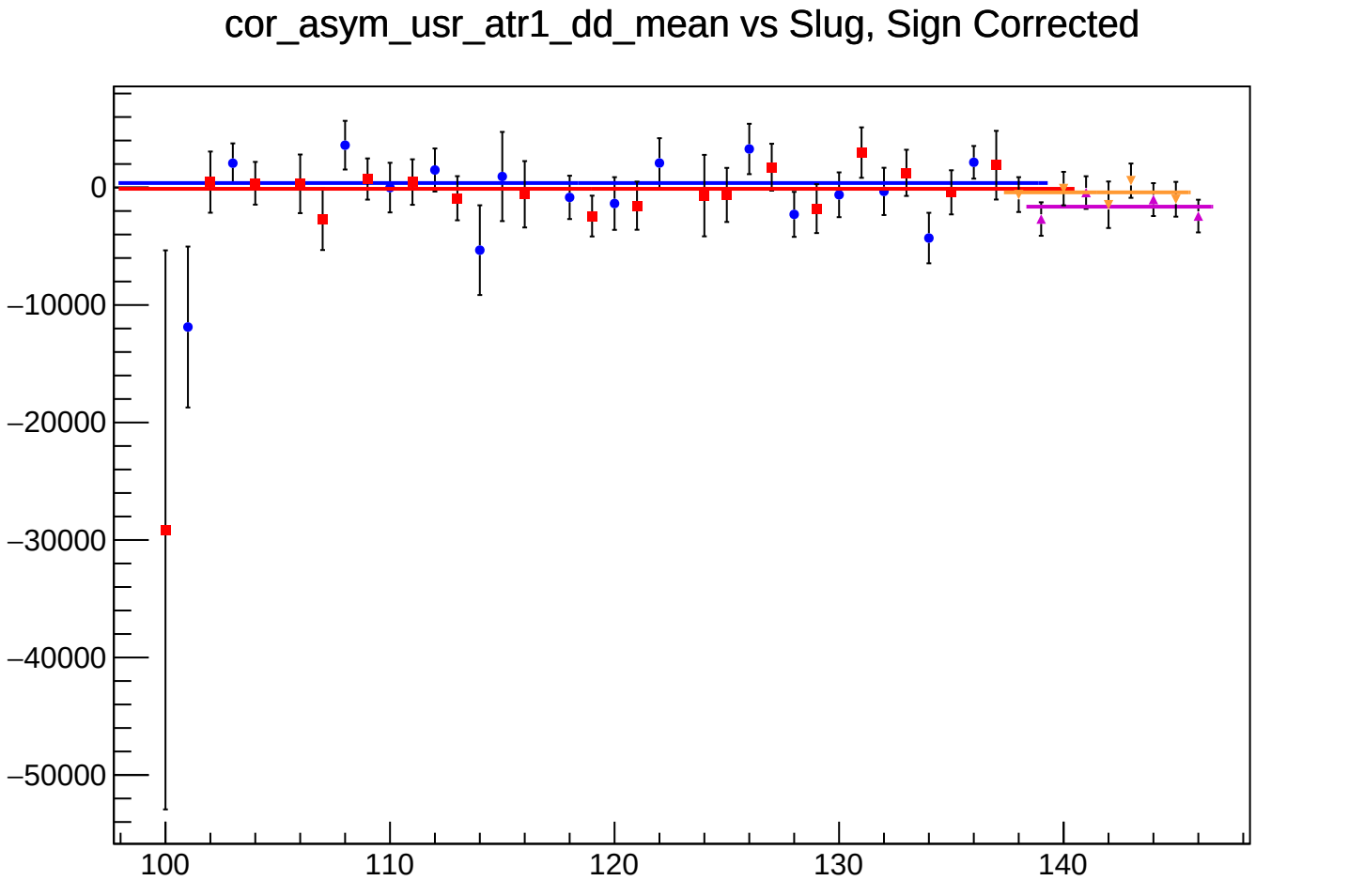
Left: 502.717+/-0.135 χ^2/NDF: 302461.8/8

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 679.351+/-0.156 χ^2/NDF:2382784.2/19

Out: 628.611+/-0.145 χ^2/NDF:3046265.5/23

All: 652.193+/-0.106 χ^2/NDF: 5485734.4/43



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -411.299+/-685.417 χ^2/NDF:1.0/4

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -1630.756+/-700.429 χ^2/NDF:1.8/3

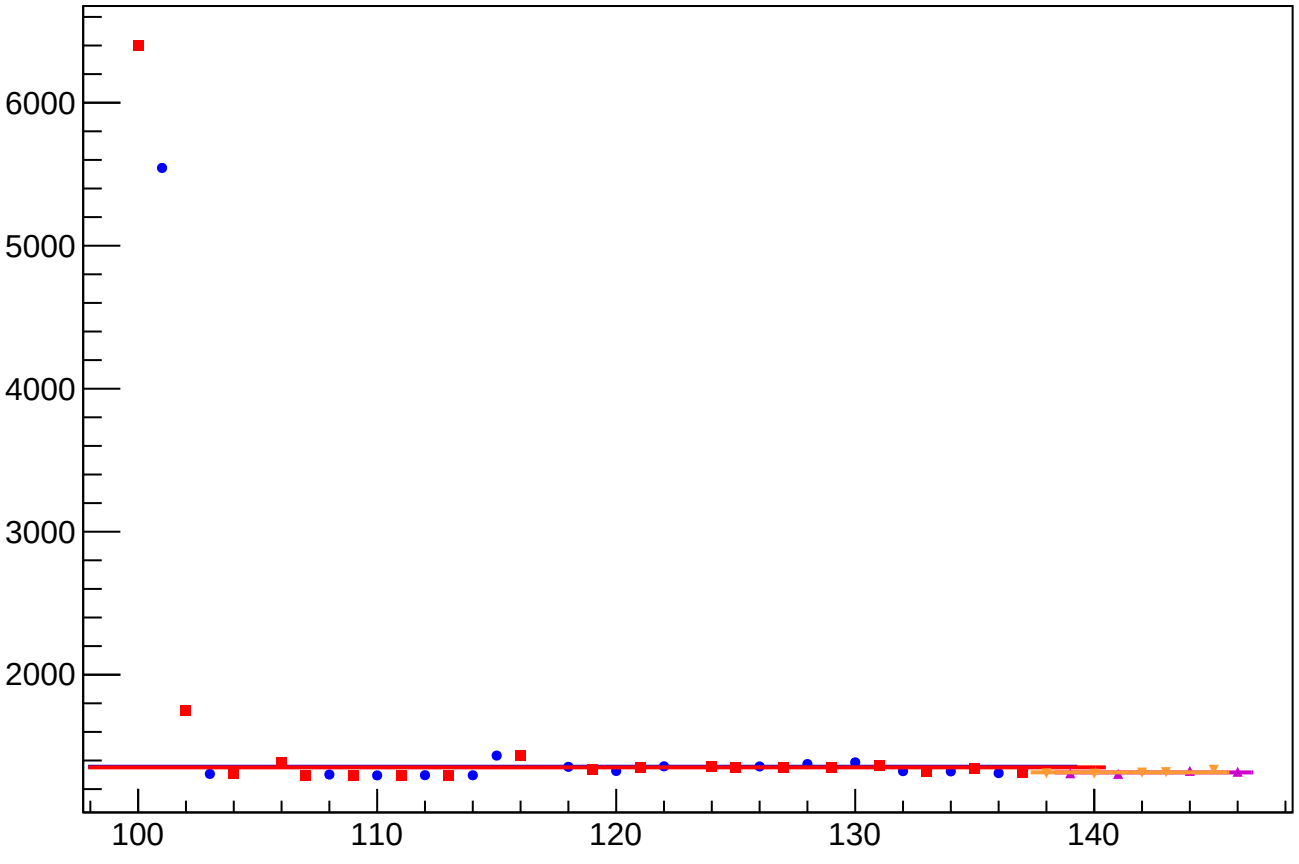
Left: -1007.820+/-489.884 χ^2/NDF: 4.3/8

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -329.438+/-416.371 χ^2/NDF:28.6/19

Out: -215.566+/-405.362 χ^2/NDF:11.1/23

All: -270.977+/-290.448 χ^2/NDF: 39.8/43



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1317.280+/-0.485 χ^2/NDF:412.9/4

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

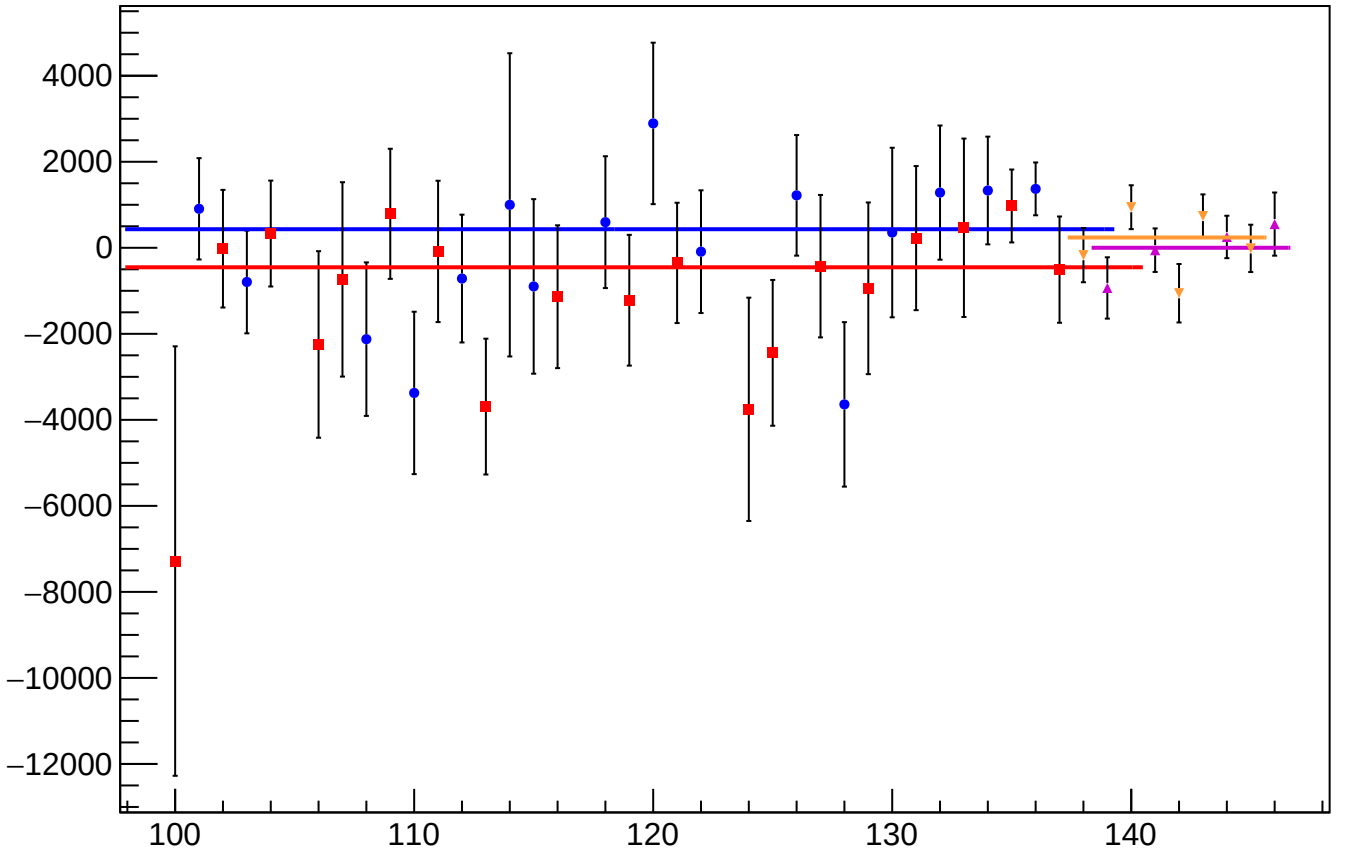
Left: 1317.025+/-0.346 χ^2/NDF: 693.4/8

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1342.390+/-0.294 χ^2/NDF:764687.1/19

Out: 1339.910+/-0.287 χ^2/NDF:151092.4/23

All: 1341.117+/-0.205 χ^2/NDF: 915815.9/43



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 239.336+/-251.752 χ^2/NDF:7.2/4

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 0.677+/-290.631 χ^2/NDF:2.6/3

Left: 137.027+/-190.288 χ^2/NDF: 10.1/8

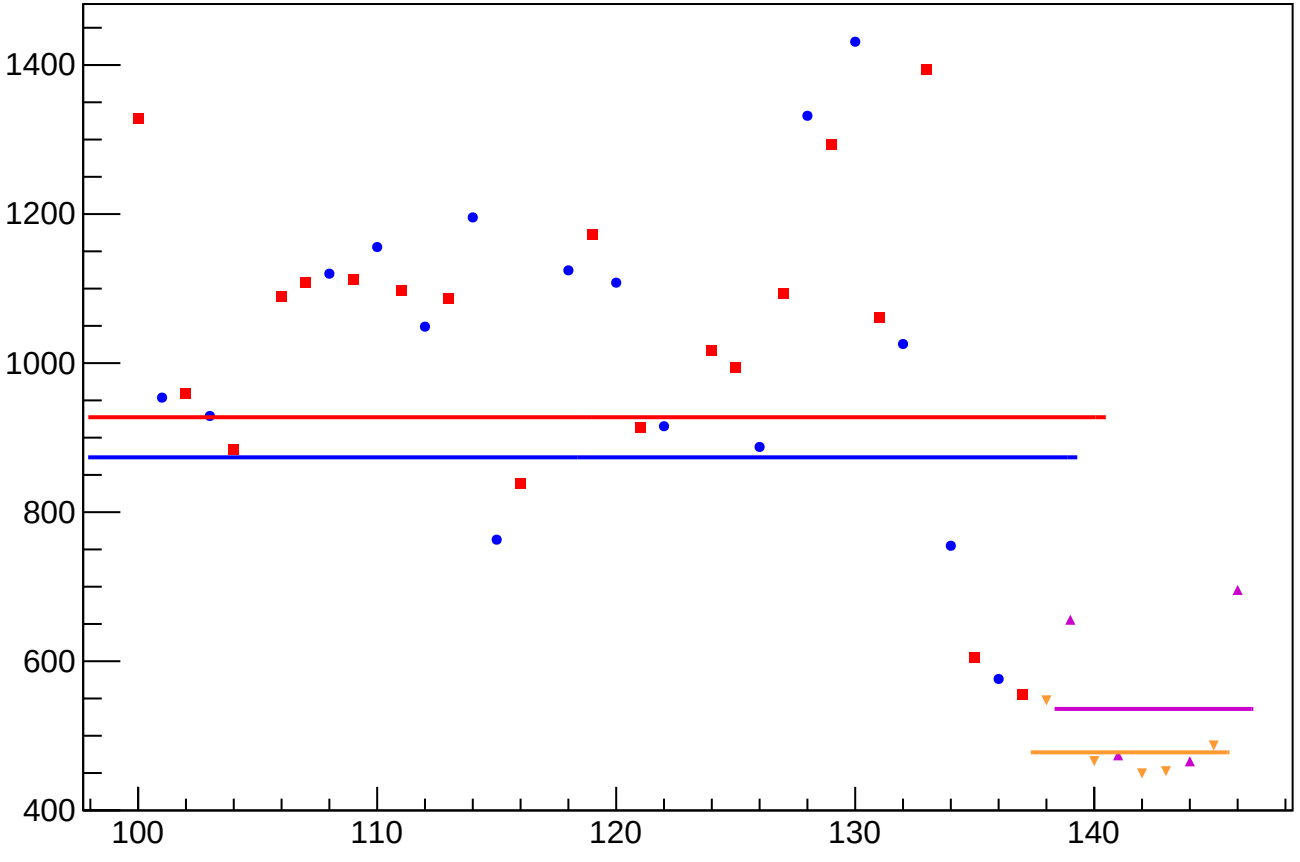
Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 183.827+/-220.480 χ^2/NDF:21.7/19

Out: 8.172+/-205.471 χ^2/NDF:24.4/23

All: 89.818+/-150.316 χ^2/NDF: 46.5/43

asym_usr_atr1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 477.735+/-0.178 χ^2/NDF:34684.1/4

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 536.007+/-0.206 χ^2/NDF:221833.0/3

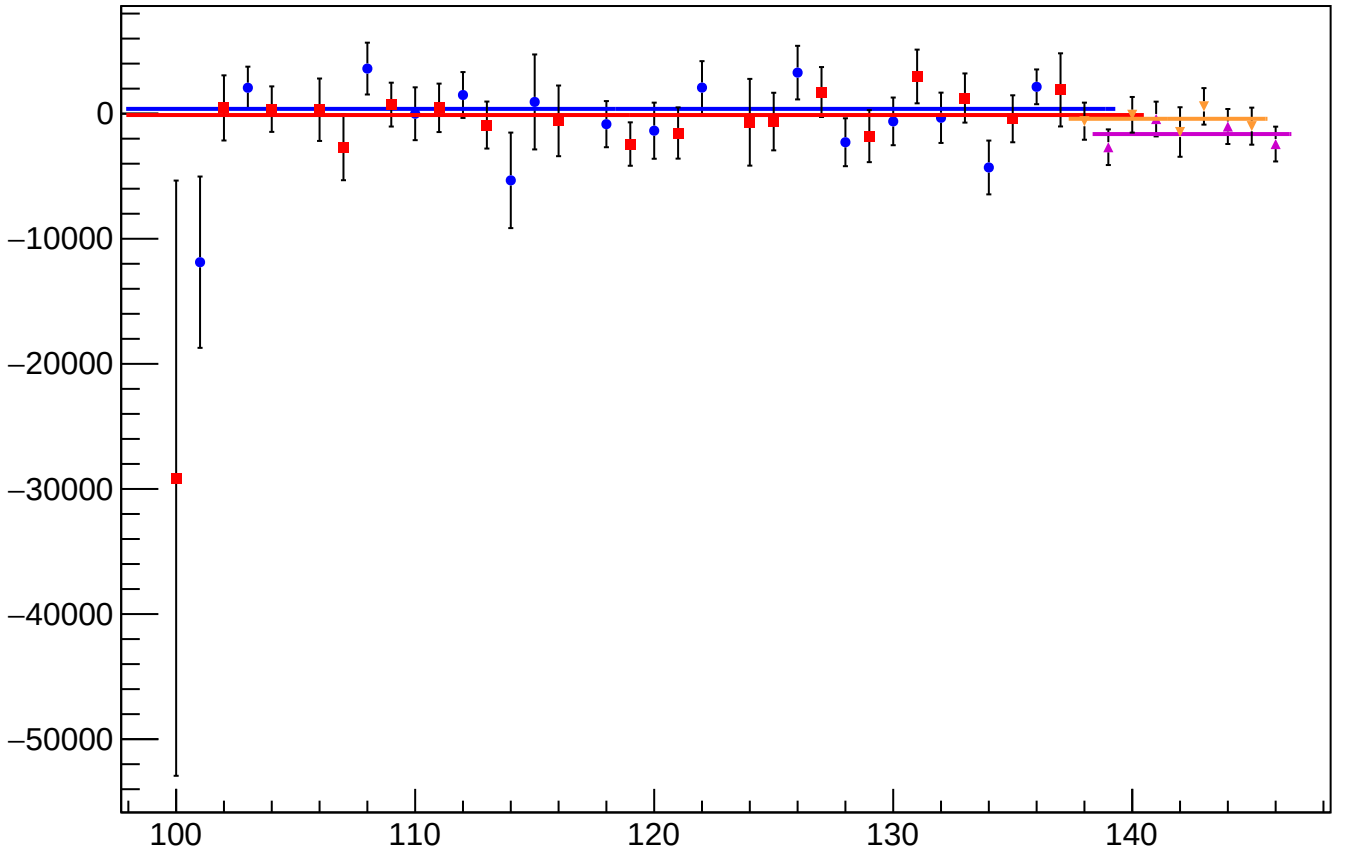
Left: 502.715+/-0.135 χ^2/NDF: 302450.8/8

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 679.315+/-0.156 χ^2/NDF:2381799.1/19

Out: 627.868+/-0.145 χ^2/NDF:3012447.0/23

All: 651.781+/-0.106 χ^2/NDF: 5452525.3/43



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -411.299+/-685.417 χ^2/NDF:1.0/4

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -1630.756+/-700.429 χ^2/NDF:1.8/3

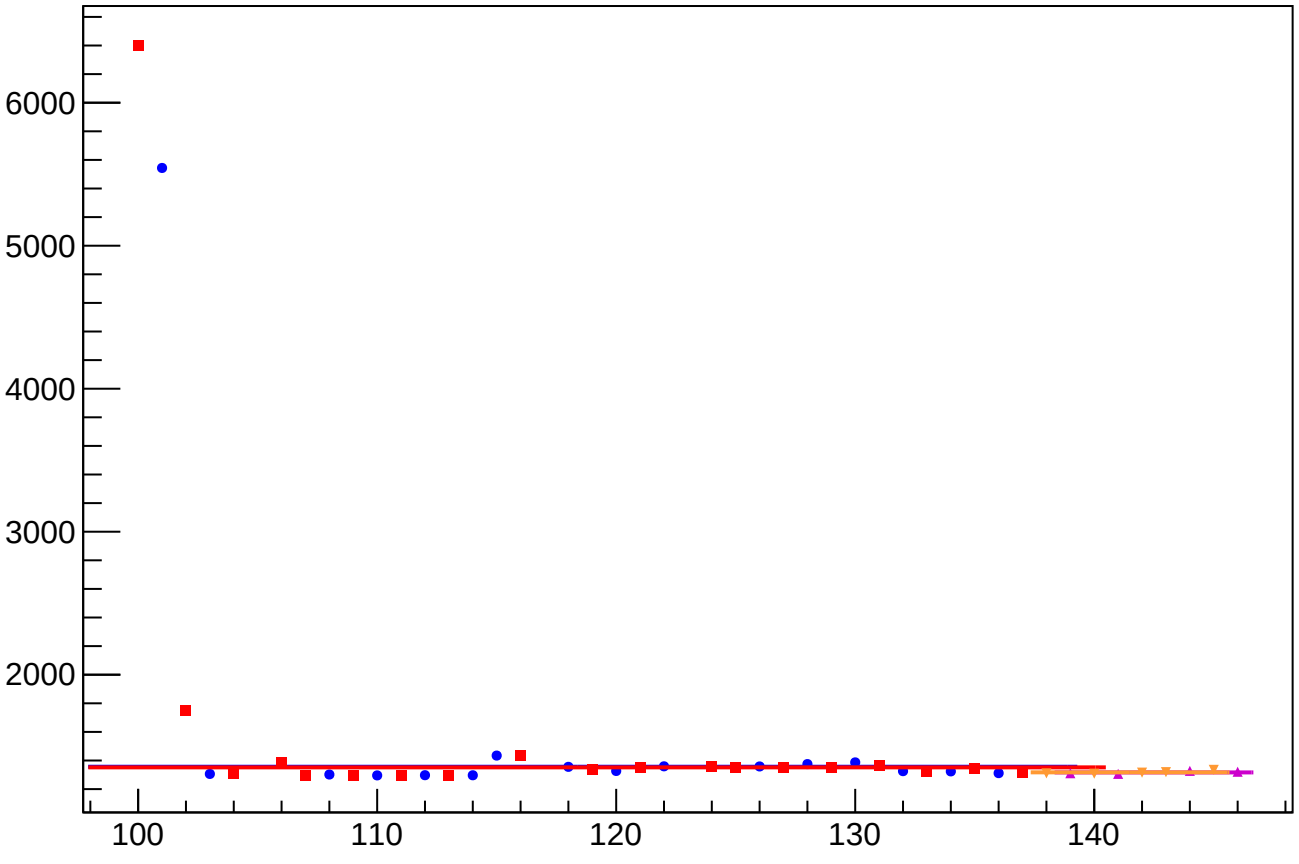
Left: -1007.820+/-489.884 χ^2/NDF: 4.3/8

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -329.438+/-416.371 χ^2/NDF:28.6/19

Out: -215.566+/-405.362 χ^2/NDF:11.1/23

All: -270.977+/-290.448 χ^2/NDF: 39.8/43



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1317.280+/-0.485 χ^2/NDF:412.9/4

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

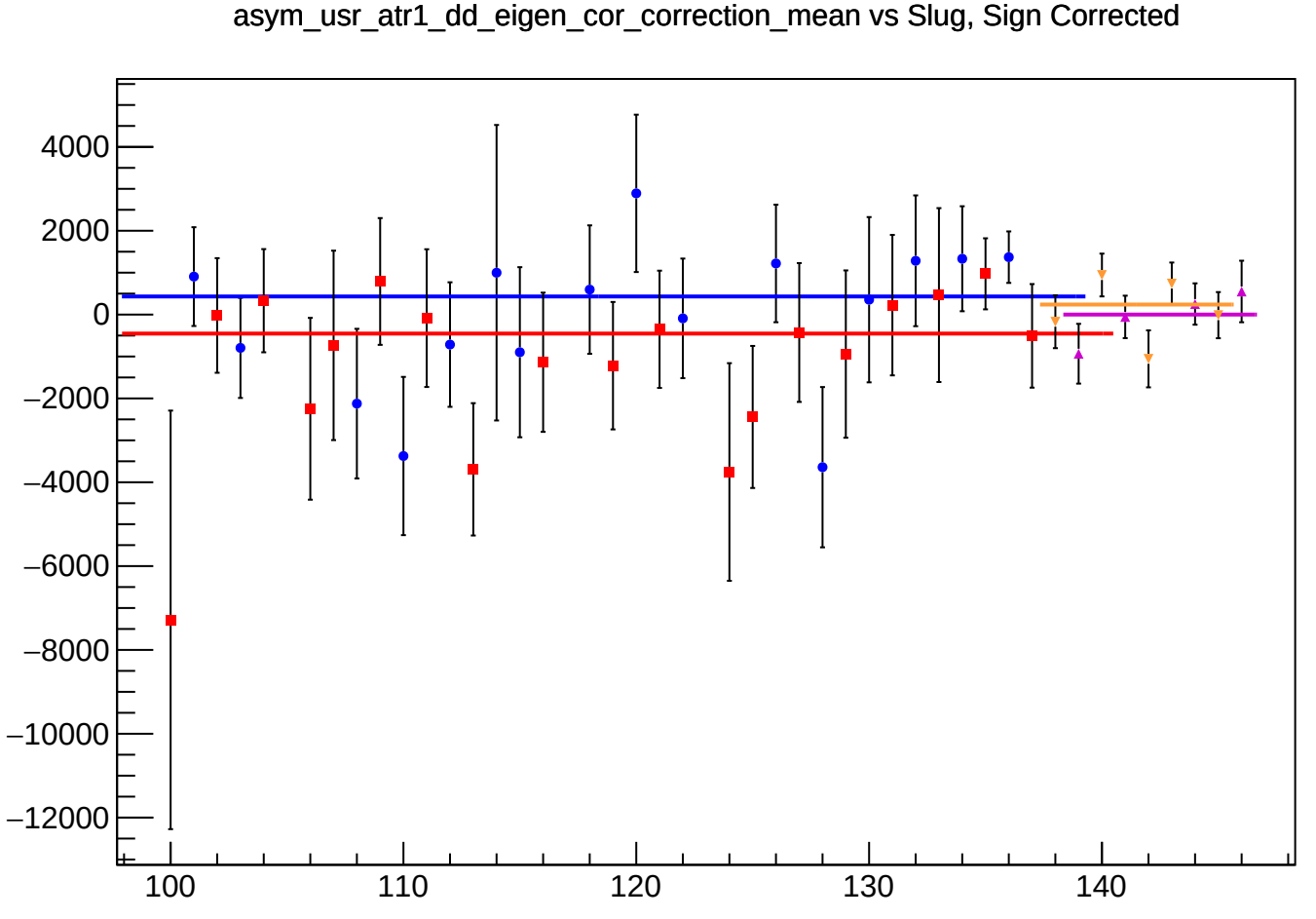
Left: 1317.025+/-0.346 χ^2/NDF: 693.4/8

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1342.390+/-0.294 χ^2/NDF:764687.1/19

Out: 1339.910+/-0.287 χ^2/NDF:151092.4/23

All: 1341.117+/-0.205 χ^2/NDF: 915815.9/43



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 239.336+/-251.752 χ^2/NDF:7.2/4

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 0.677+/-290.631 χ^2/NDF:2.6/3

Left: 137.027+/-190.288 χ^2/NDF: 10.1/8

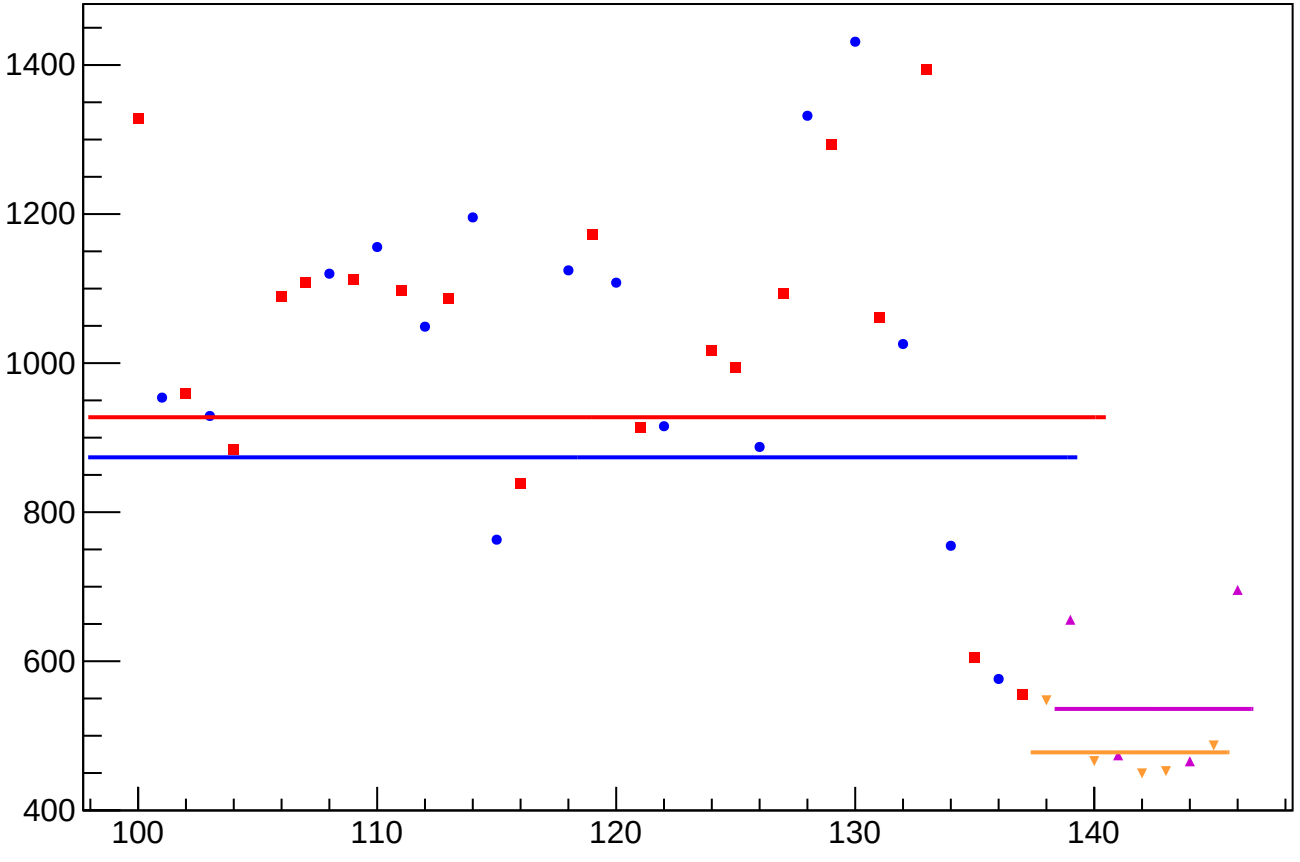
Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 183.827+/-220.480 χ^2/NDF:21.7/19

Out: 8.172+/-205.471 χ^2/NDF:24.4/23

All: 89.818+/-150.316 χ^2/NDF: 46.5/43

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 477.735+/-0.178 χ^2/NDF:34684.1/4

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 536.007+/-0.206 χ^2/NDF:221833.0/3

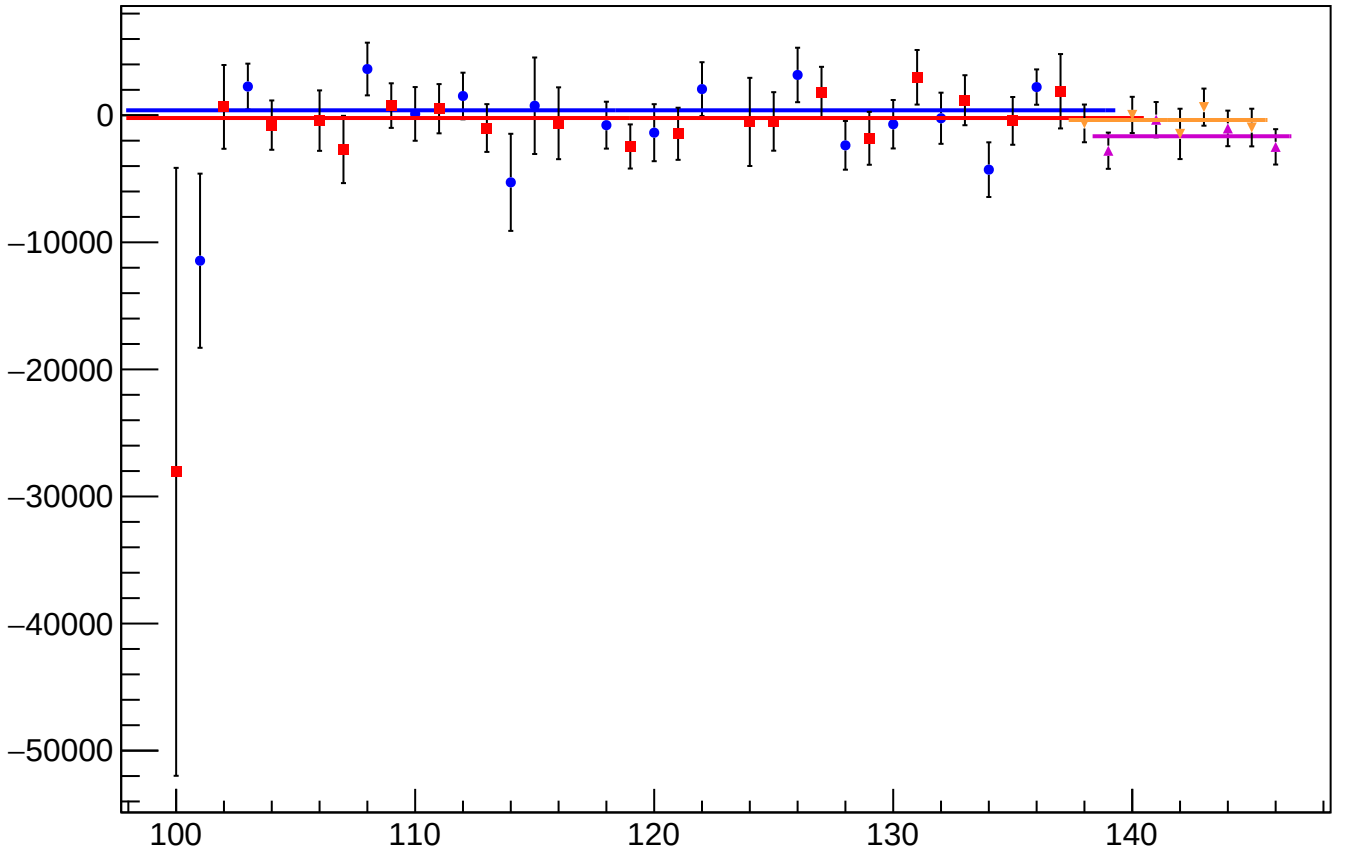
Left: 502.715+/-0.135 χ^2/NDF: 302450.8/8

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 679.315+/-0.156 χ^2/NDF:2381799.1/19

Out: 627.868+/-0.145 χ^2/NDF:3012447.0/23

All: 651.781+/-0.106 χ^2/NDF: 5452525.3/43



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -373.437+/-685.886 χ^2/NDF:1.1/4

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -1652.508+/-700.881 χ^2/NDF:2.1/3

Left: -999.143+/-490.210 χ^2/NDF: 4.8/8

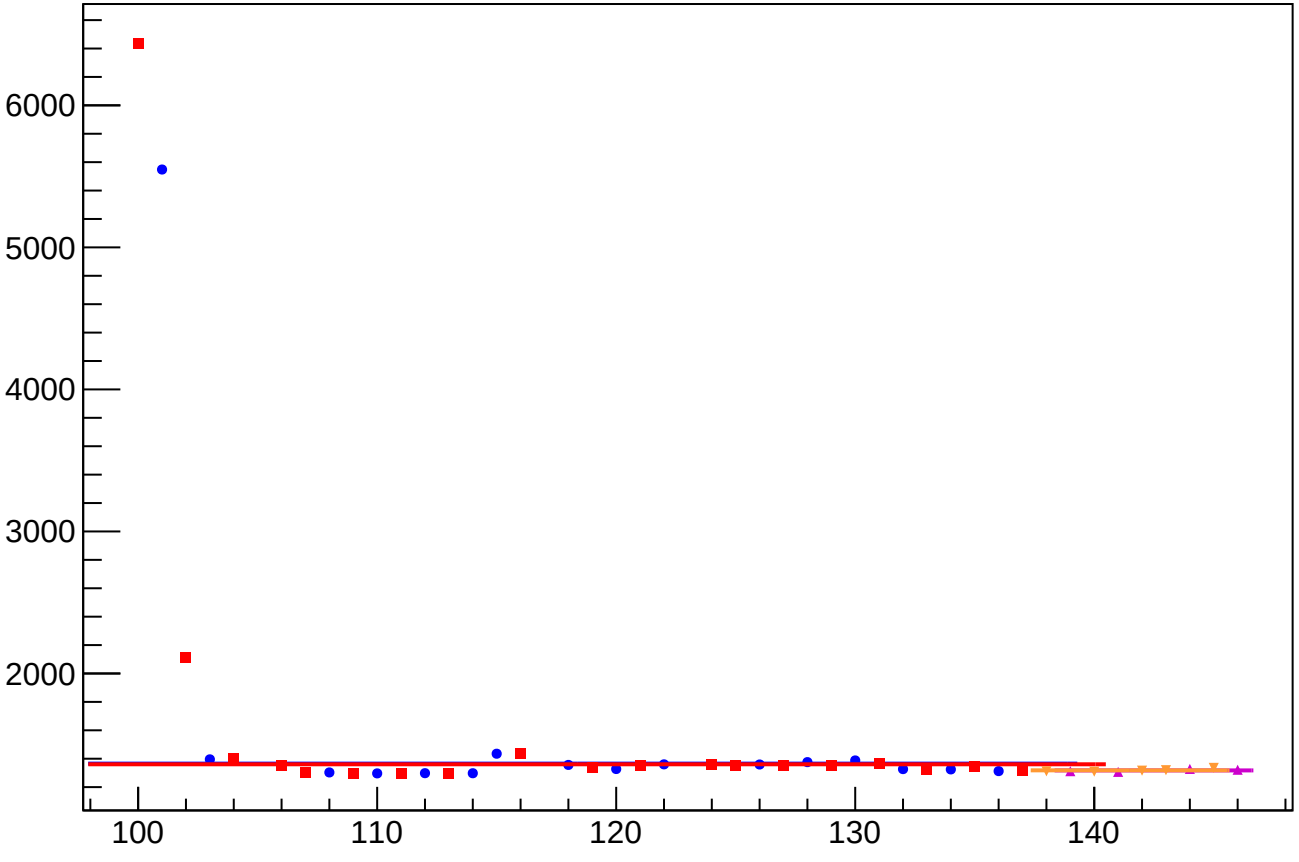
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -337.260+/-418.213 χ^2/NDF:28.9/19

Out: -273.170+/-408.187 χ^2/NDF:11.1/23

All: -304.438+/-292.112 χ^2/NDF: 40.0/43

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1318.182+/-0.485 χ^2/NDF:399.4/4

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1317.608+/-0.496 χ^2/NDF:275.1/3

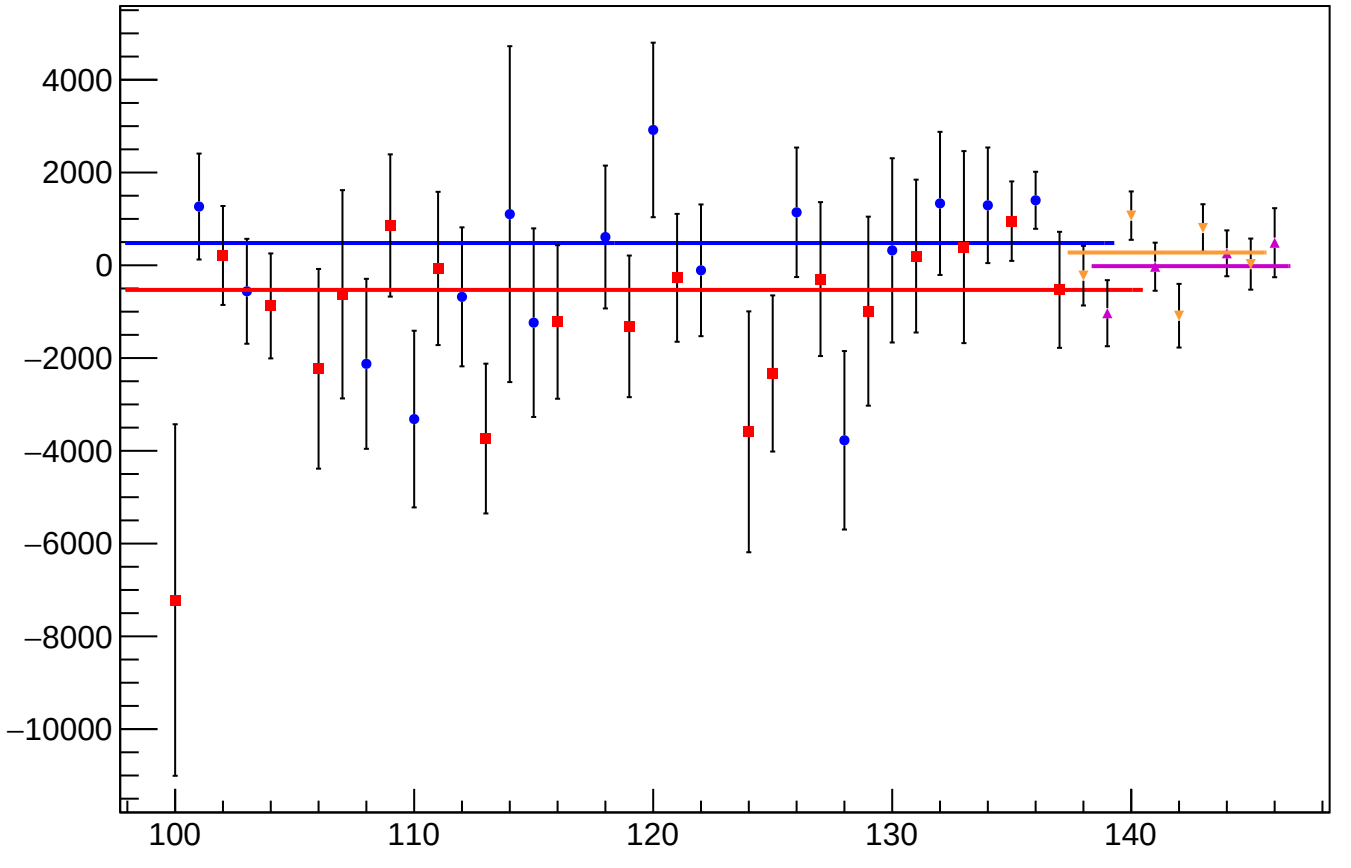
Left: 1317.901+/-0.347 χ^2/NDF: 675.2/8

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1348.321+/-0.296 χ^2/NDF:765183.8/19

Out: 1345.687+/-0.289 χ^2/NDF:210694.7/23

All: 1346.972+/-0.207 χ^2/NDF: 975919.1/43



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 275.487+/-255.637 χ^2/NDF:8.1/4

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -18.352+/-293.799 χ^2/NDF:2.8/3

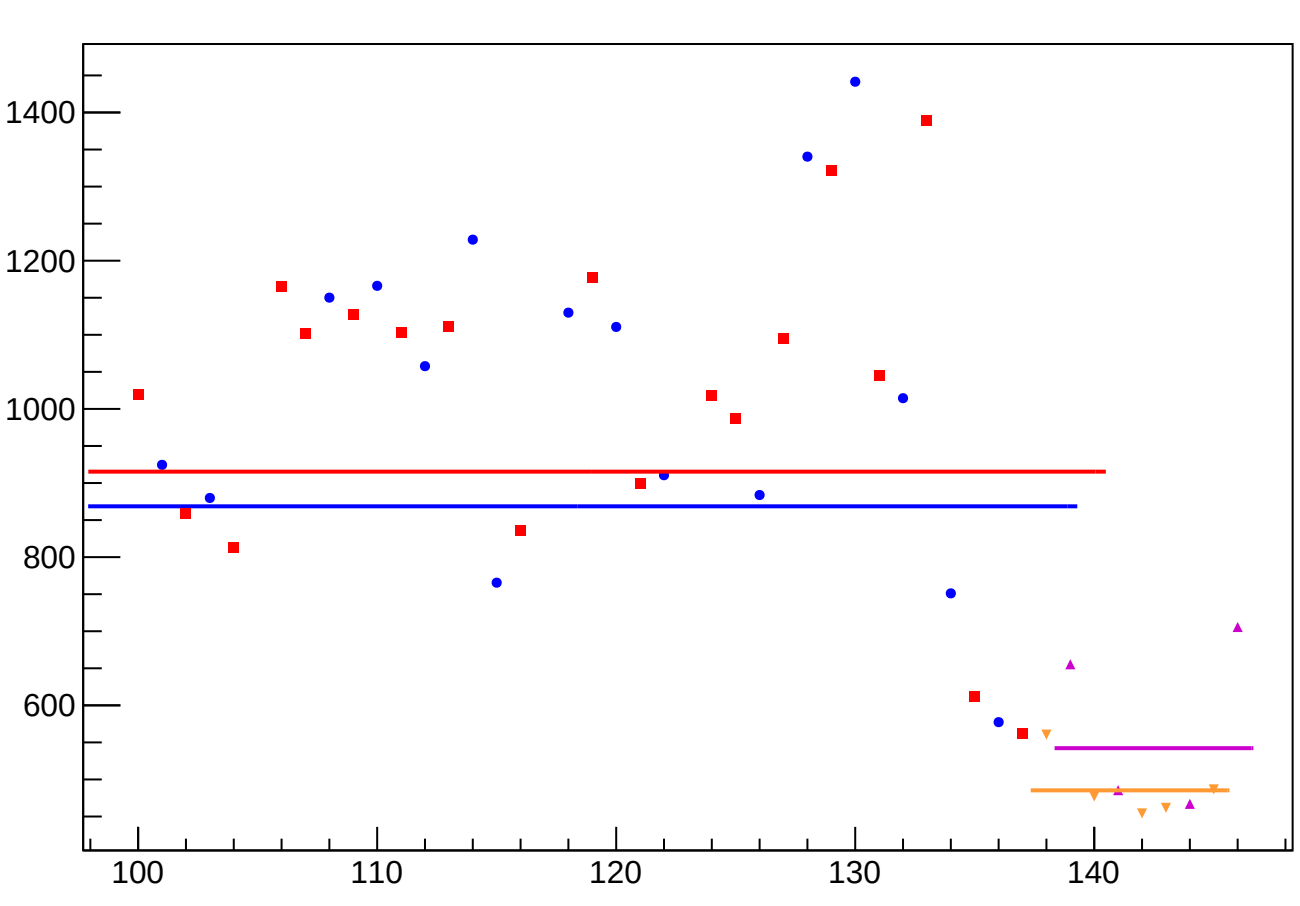
Left: 148.878+/-192.853 χ^2/NDF: 11.5/8

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 197.375+/-221.320 χ^2/NDF:22.7/19

Out: -9.021+/-205.628 χ^2/NDF:27.3/23

All: 86.601+/-150.643 χ^2/NDF: 50.4/43



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 485.297+/-0.181 χ^2/NDF:36190.3/4

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 542.224+/-0.208 χ^2/NDF:217042.9/3

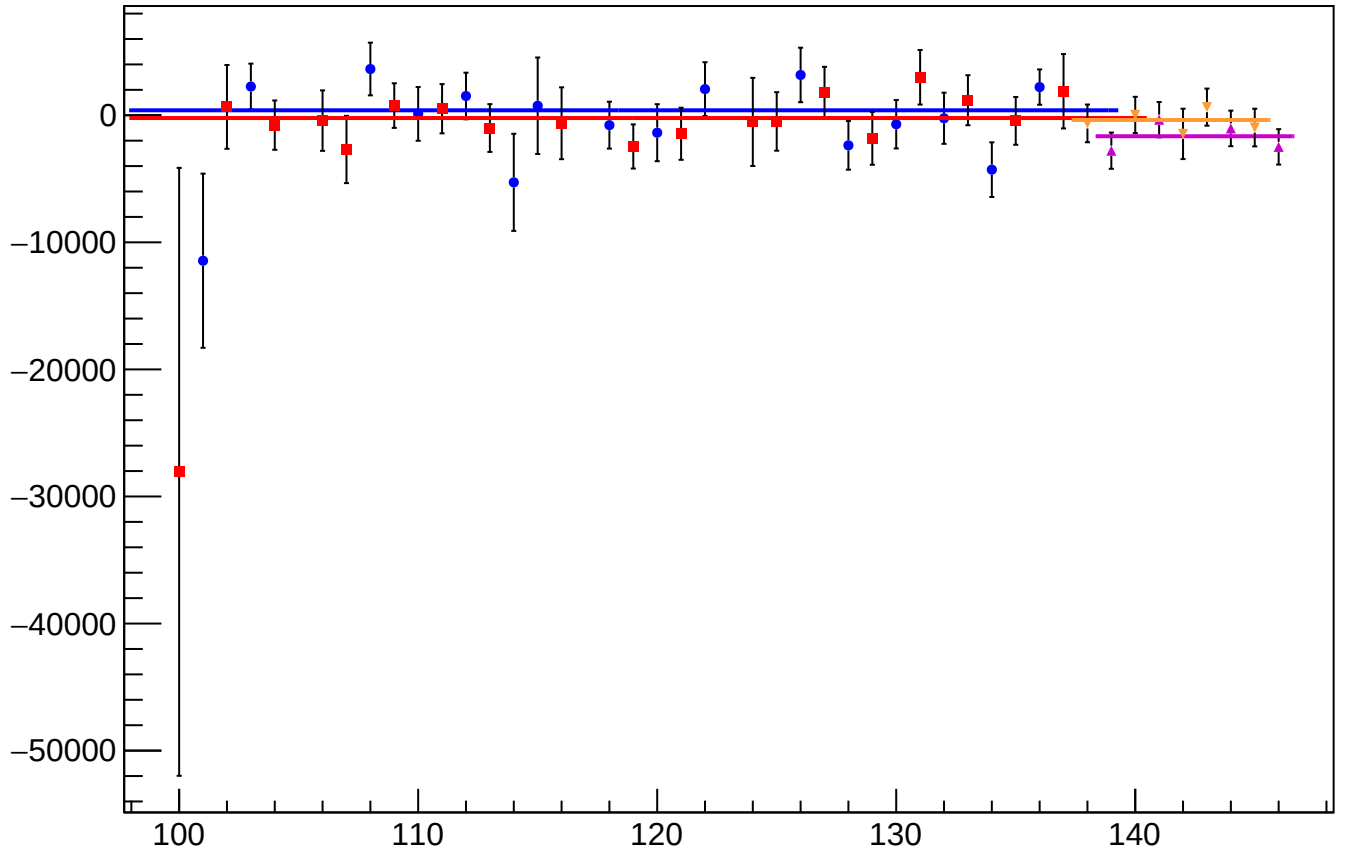
Left: 509.826+/-0.136 χ^2/NDF: 295966.8/8

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 683.380+/-0.156 χ^2/NDF:2305740.6/19

Out: 637.101+/-0.145 χ^2/NDF:2893100.4/23

All: 658.542+/-0.107 χ^2/NDF: 5245775.6/43



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -373.436+/-685.886 χ^2/NDF:1.1/4

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -1652.509+/-700.881 χ^2/NDF:2.1/3

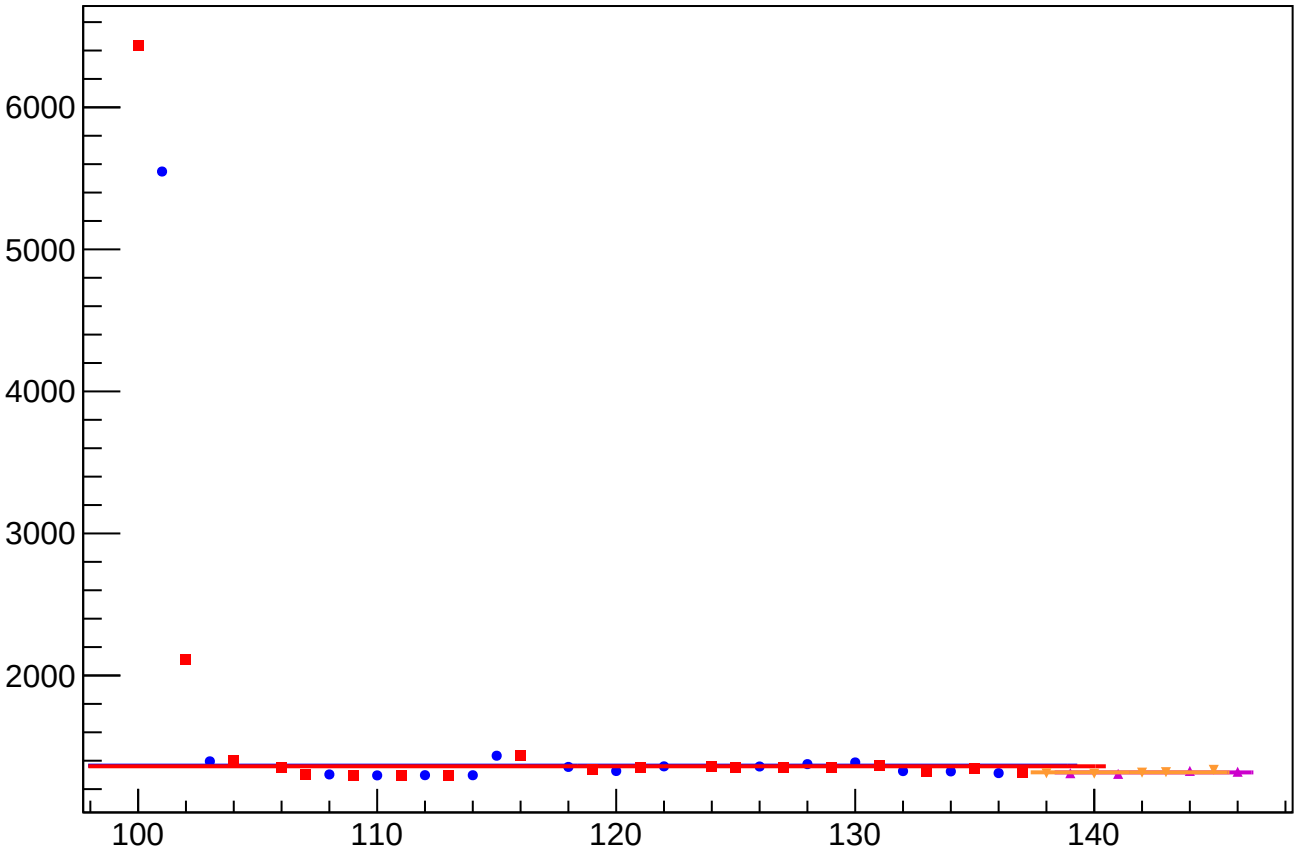
Left: -999.144+/-490.210 χ^2/NDF: 4.8/8

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -337.261+/-418.213 χ^2/NDF:28.9/19

Out: -273.169+/-408.187 χ^2/NDF:11.1/23

All: -304.438+/-292.112 χ^2/NDF: 40.0/43



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1318.182+/-0.485 χ^2/NDF:399.4/4

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1317.608+/-0.496 χ^2/NDF:275.1/3

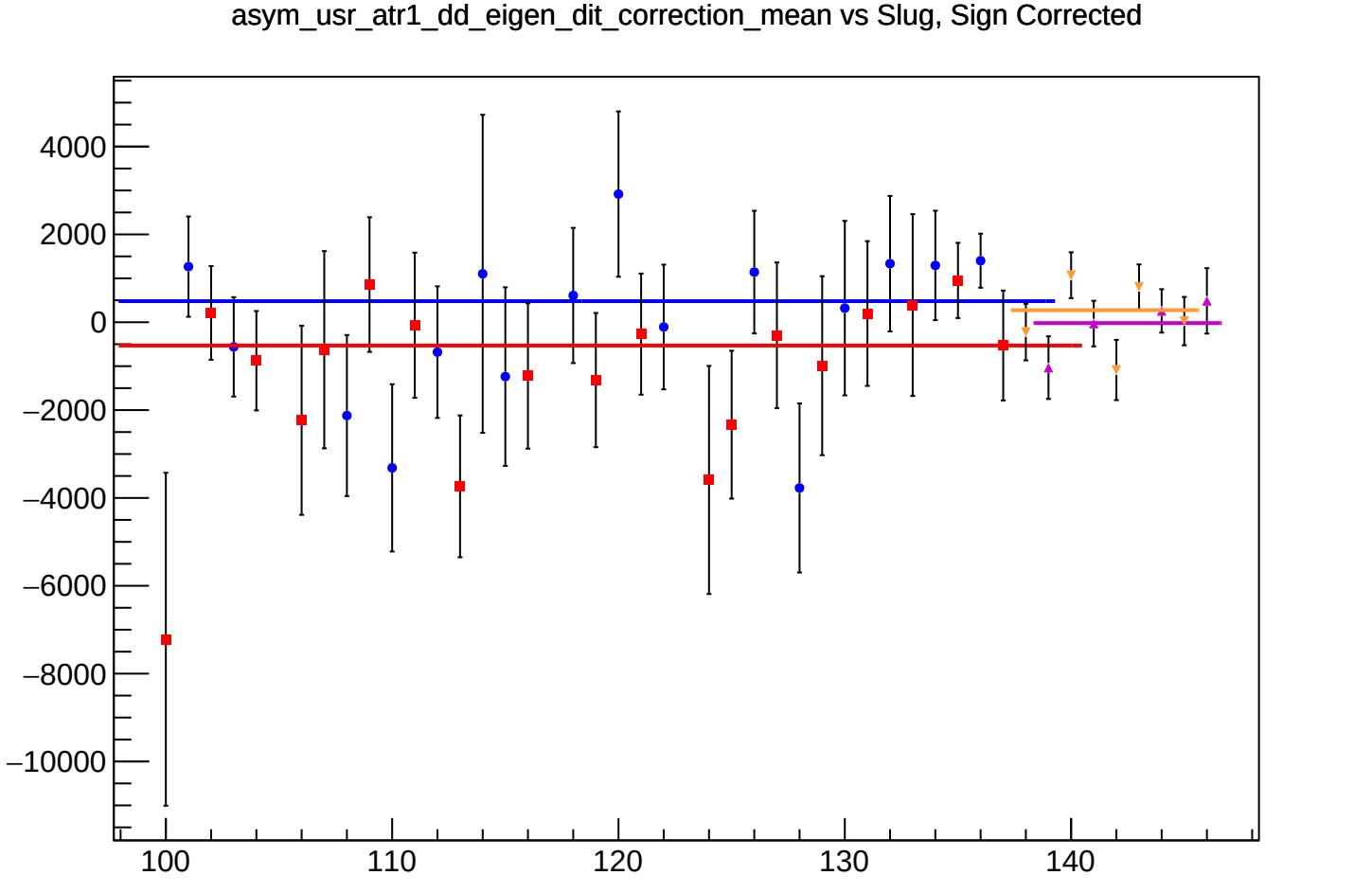
Left: 1317.901+/-0.347 χ^2/NDF: 675.2/8

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1348.321+/-0.296 χ^2/NDF:765183.7/19

Out: 1345.687+/-0.289 χ^2/NDF:210694.7/23

All: 1346.972+/-0.207 χ^2/NDF: 975919.0/43



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 275.490+/-255.637 χ^2/NDF:8.1/4

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -18.352+/-293.799 χ^2/NDF:2.8/3

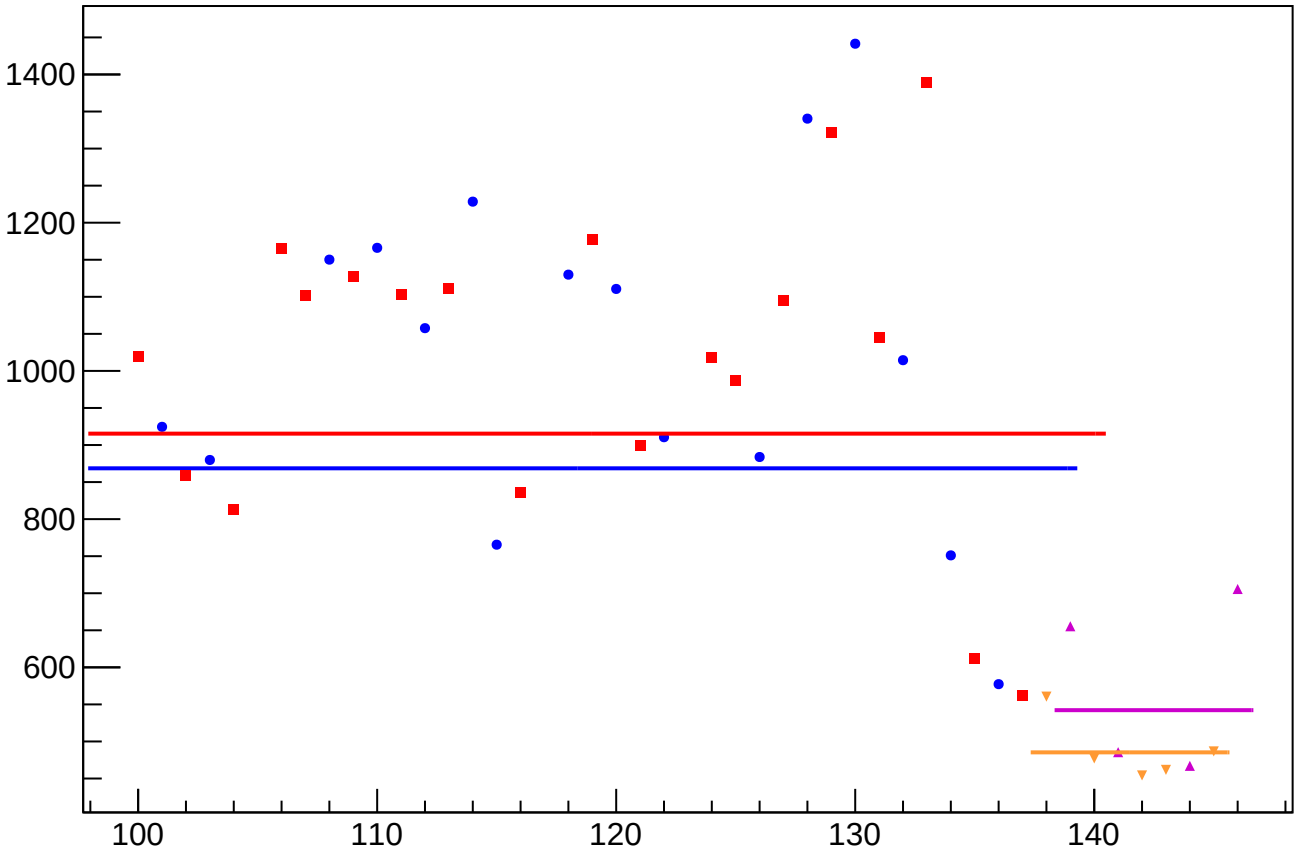
Left: 148.880+/-192.853 χ^2/NDF: 11.5/8

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 197.375+/-221.320 χ^2/NDF:22.7/19

Out: -9.020+/-205.628 χ^2/NDF:27.3/23

All: 86.602+/-150.643 χ^2/NDF: 50.4/43



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 485.297+/-0.181 χ^2/NDF:36191.1/4

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 542.224+/-0.208 χ^2/NDF:217044.5/3

Left: 509.826+/-0.136 χ^2/NDF: 295970.6/8

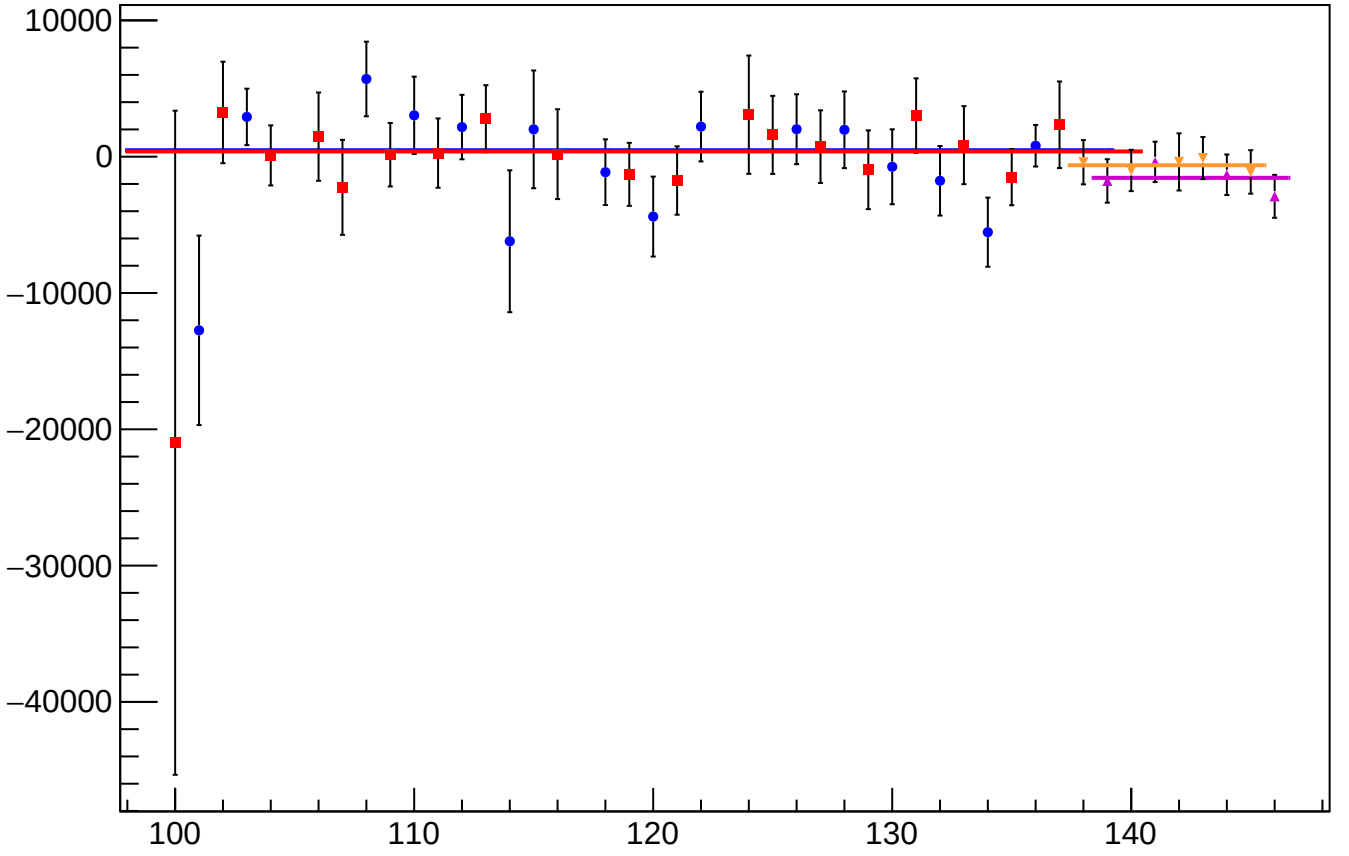
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 683.380+/-0.156 χ^2/NDF:2305724.5/19

Out: 637.100+/-0.145 χ^2/NDF:2893095.1/23

All: 658.541+/-0.107 χ^2/NDF: 5245755.4/43

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -627.162+/-734.767 χ^2/NDF:0.3/4

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -1551.866+/-765.886 χ^2/NDF:1.4/3

Left: -1070.346+/-530.219 χ^2/NDF: 2.5/8

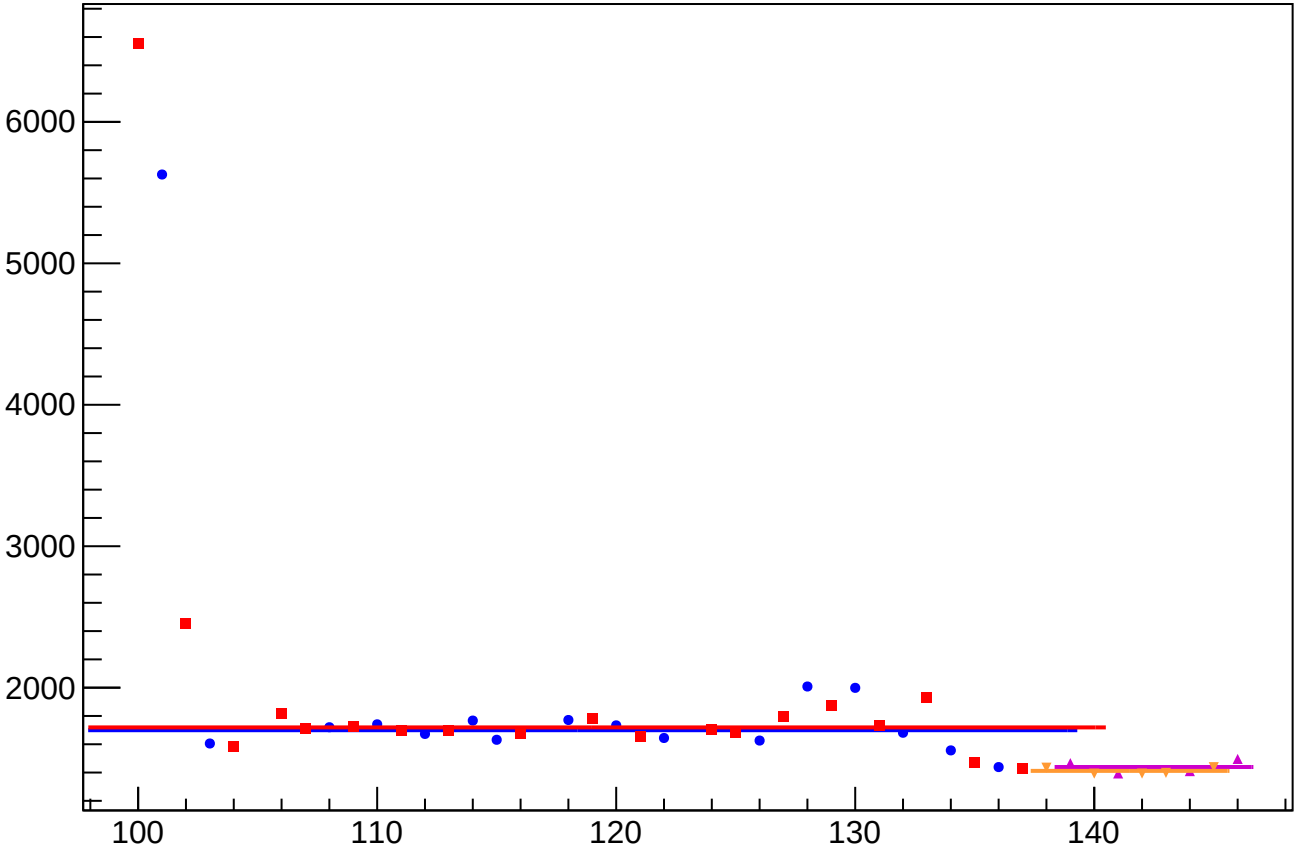
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -373.370+/-495.245 χ^2/NDF:28.2/19

Out: -53.307+/-483.452 χ^2/NDF:8.6/23

All: -209.482+/-345.946 χ^2/NDF: 37.0/43

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1411.783+/-0.520 χ^2/NDF:1587.2/4

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1439.158+/-0.542 χ^2/NDF:5875.5/3

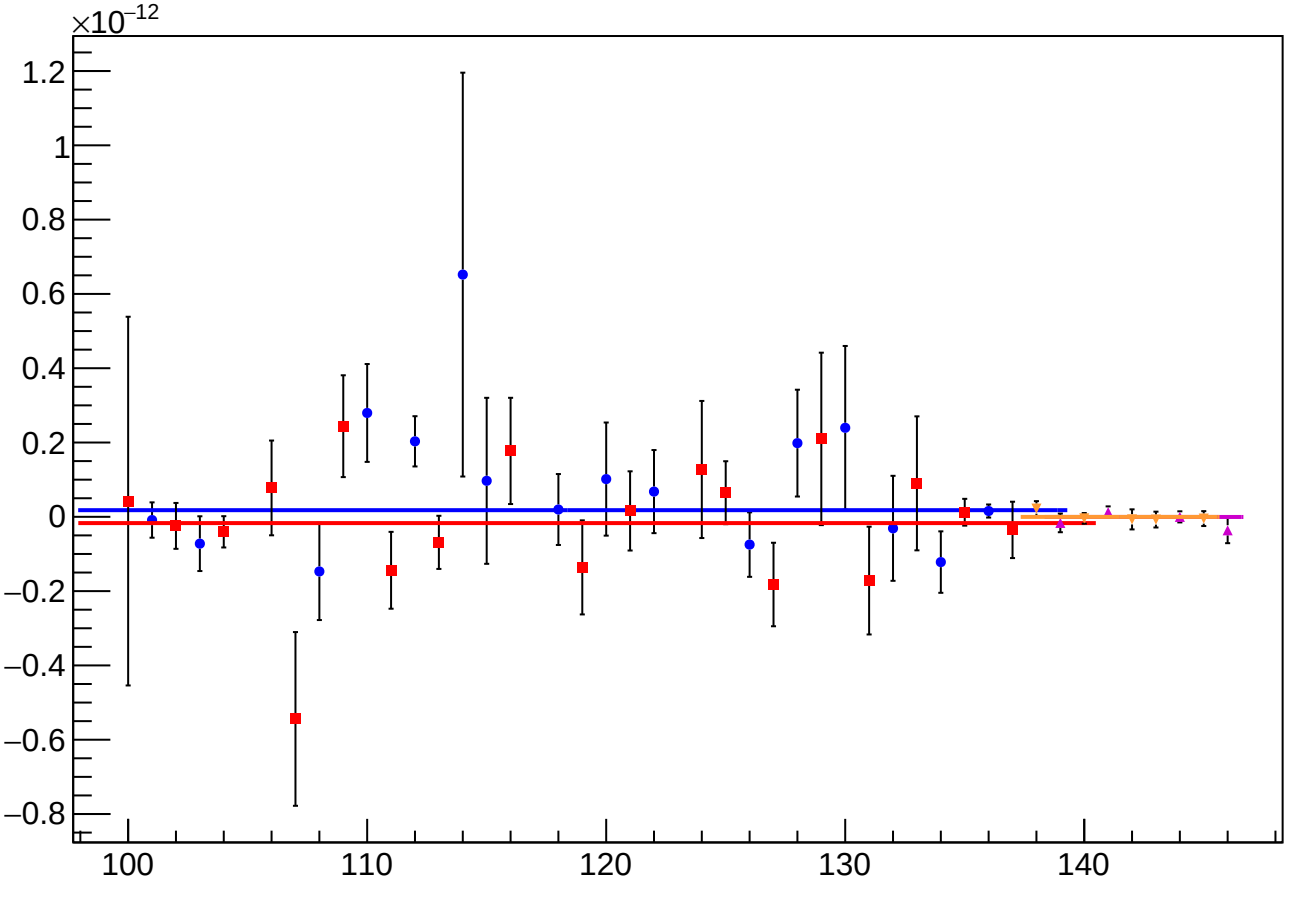
Left: 1424.903+/-0.375 χ^2/NDF: 8793.1/8

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1590.544+/-0.350 χ^2/NDF:902264.4/19

Out: 1586.058+/-0.342 χ^2/NDF:433745.0/23

All: 1588.247+/-0.245 χ^2/NDF: 1336093.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/3

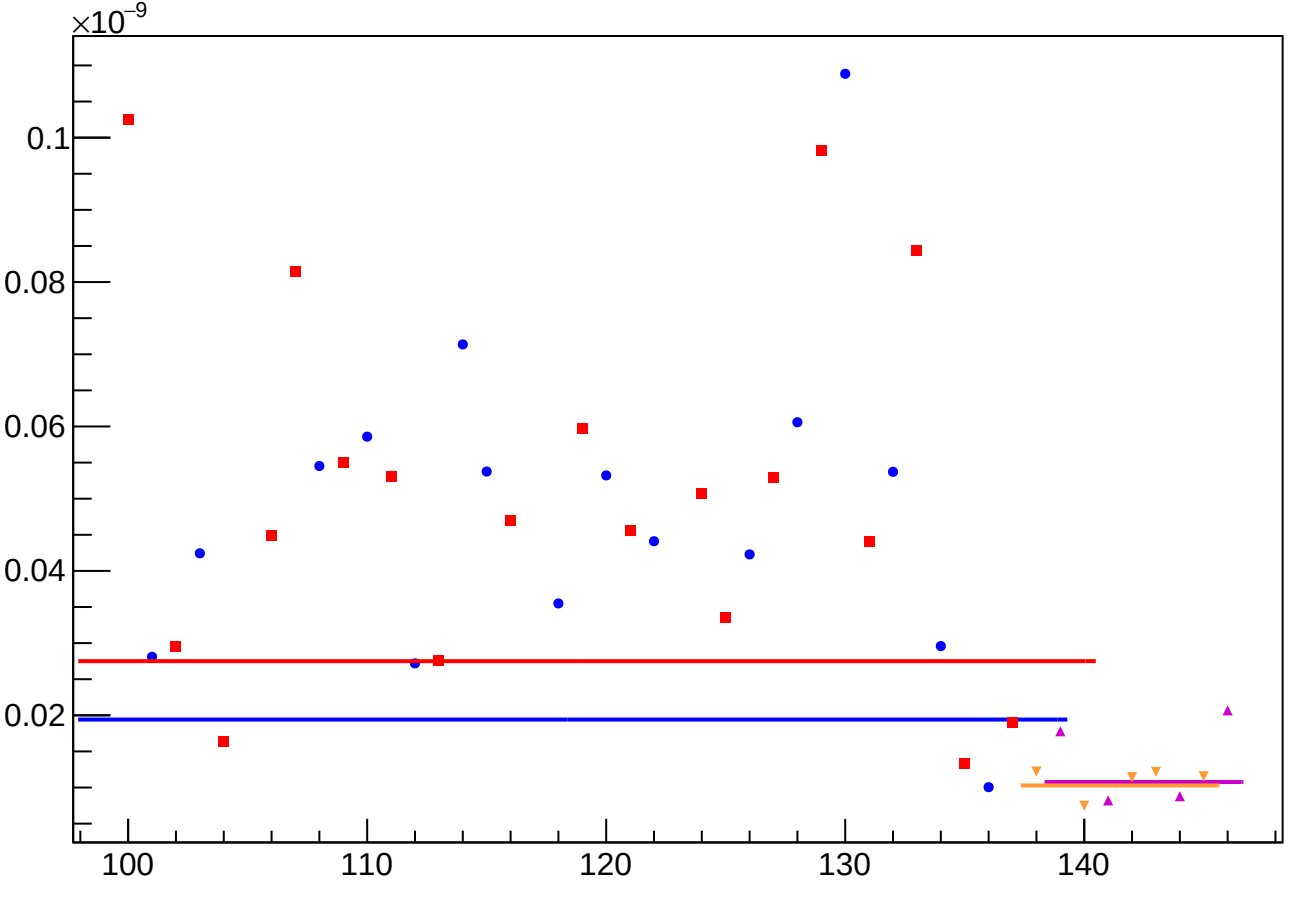
Left: -0.000+/-0.000 χ^2/NDF: 3.7/8

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:26.9/19

Out: -0.000+/-0.000 χ^2/NDF:23.5/23

All: 0.000+/-0.000 χ^2/NDF: 50.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:122107.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:408212.6/3

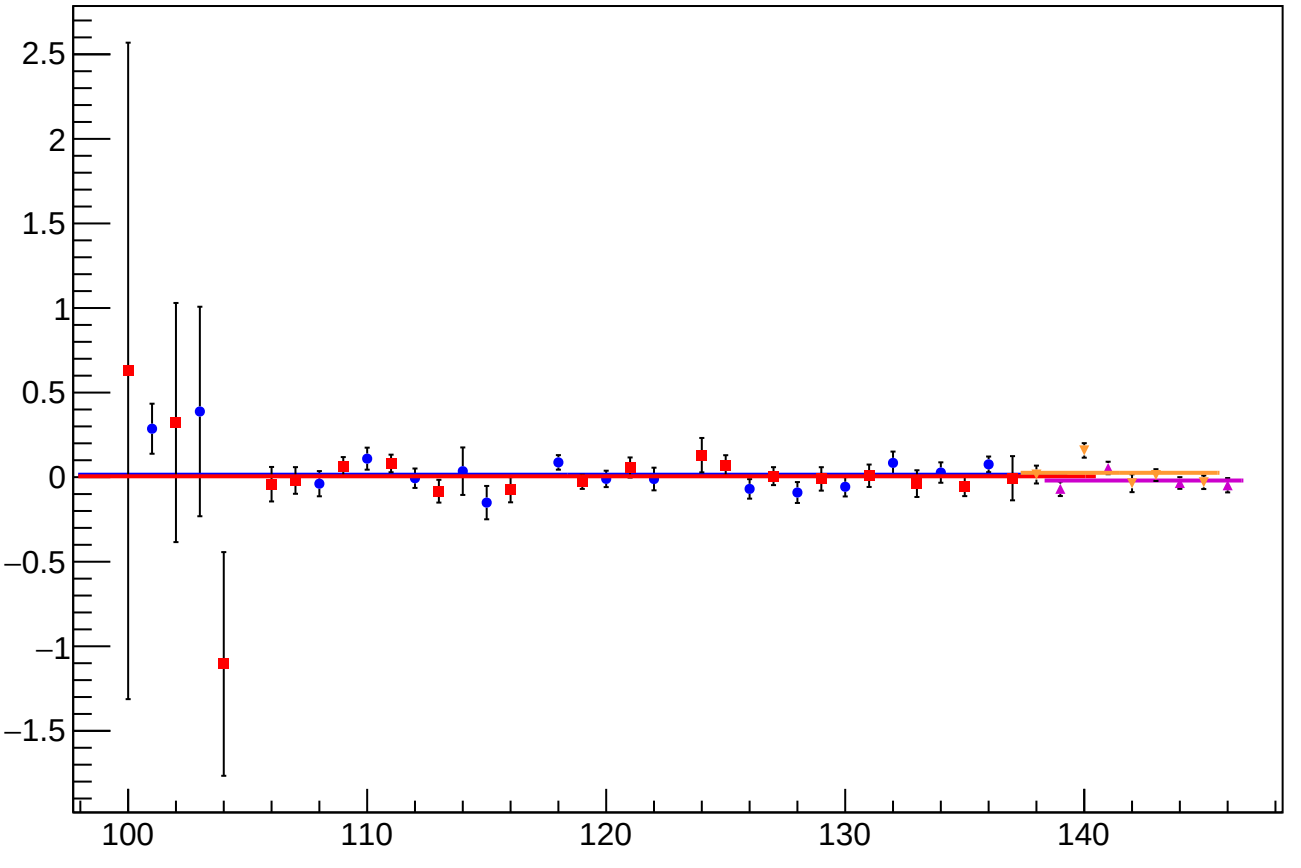
Left: 0.000+/-0.000 χ^2/NDF: 533102.0/8

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3186085.4/19

Out: 0.000+/-0.000 χ^2/NDF:3120292.4/23

All: 0.000+/-0.000 χ^2/NDF: 6306979.9/43



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.026+/-0.019 χ^2/NDF:13.0/4

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.020+/-0.019 χ^2/NDF:5.9/3

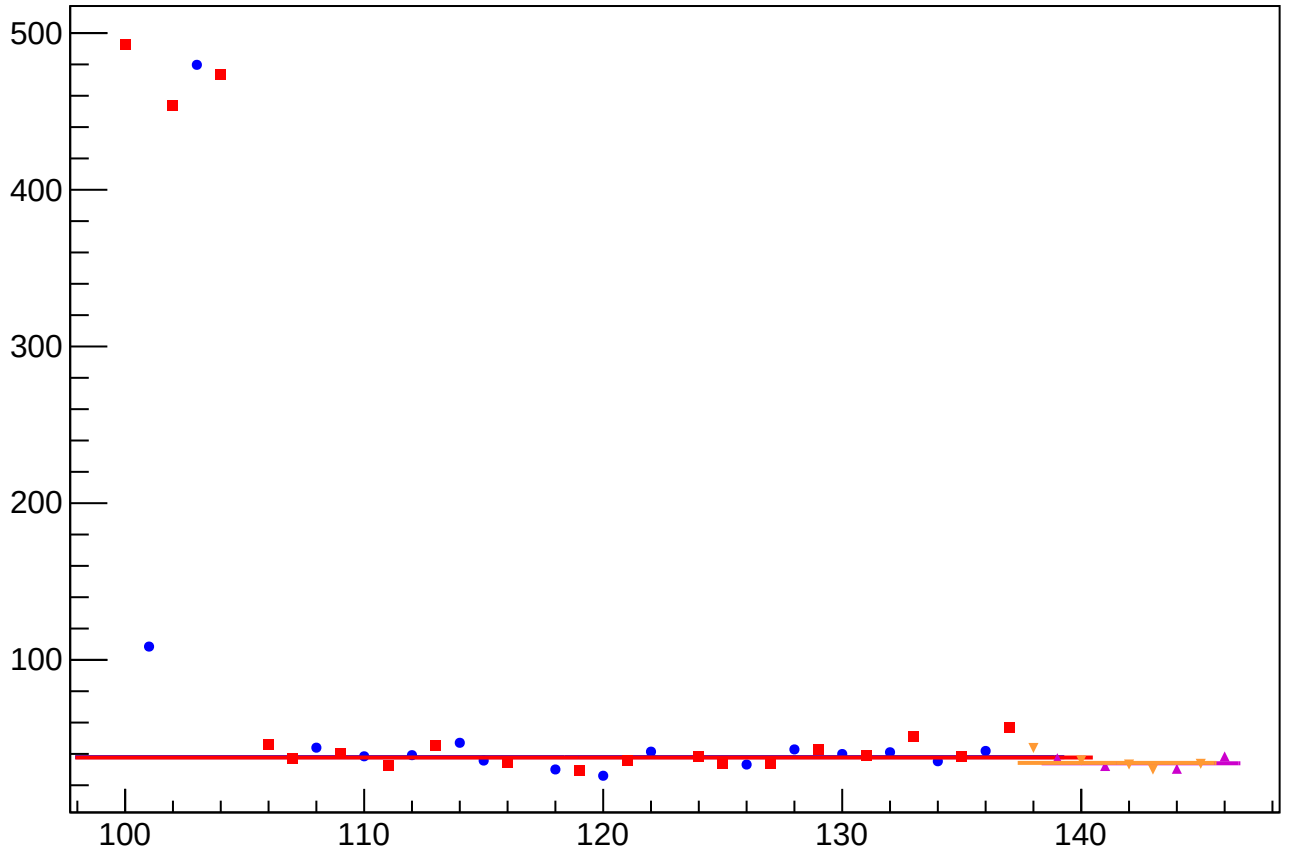
Left: 0.003+/-0.014 χ^2/NDF: 21.7/8

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.001+/-0.012 χ^2/NDF:29.8/19

Out: 0.013+/-0.012 χ^2/NDF:28.5/23

All: 0.007+/-0.009 χ^2/NDF: 58.9/43



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 34.268+/-0.014 χ^2/NDF:98532.1/4

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.019+/-0.014 χ^2/NDF:57181.8/3

Left: 34.144+/-0.010 χ^2/NDF: 155881.0/8

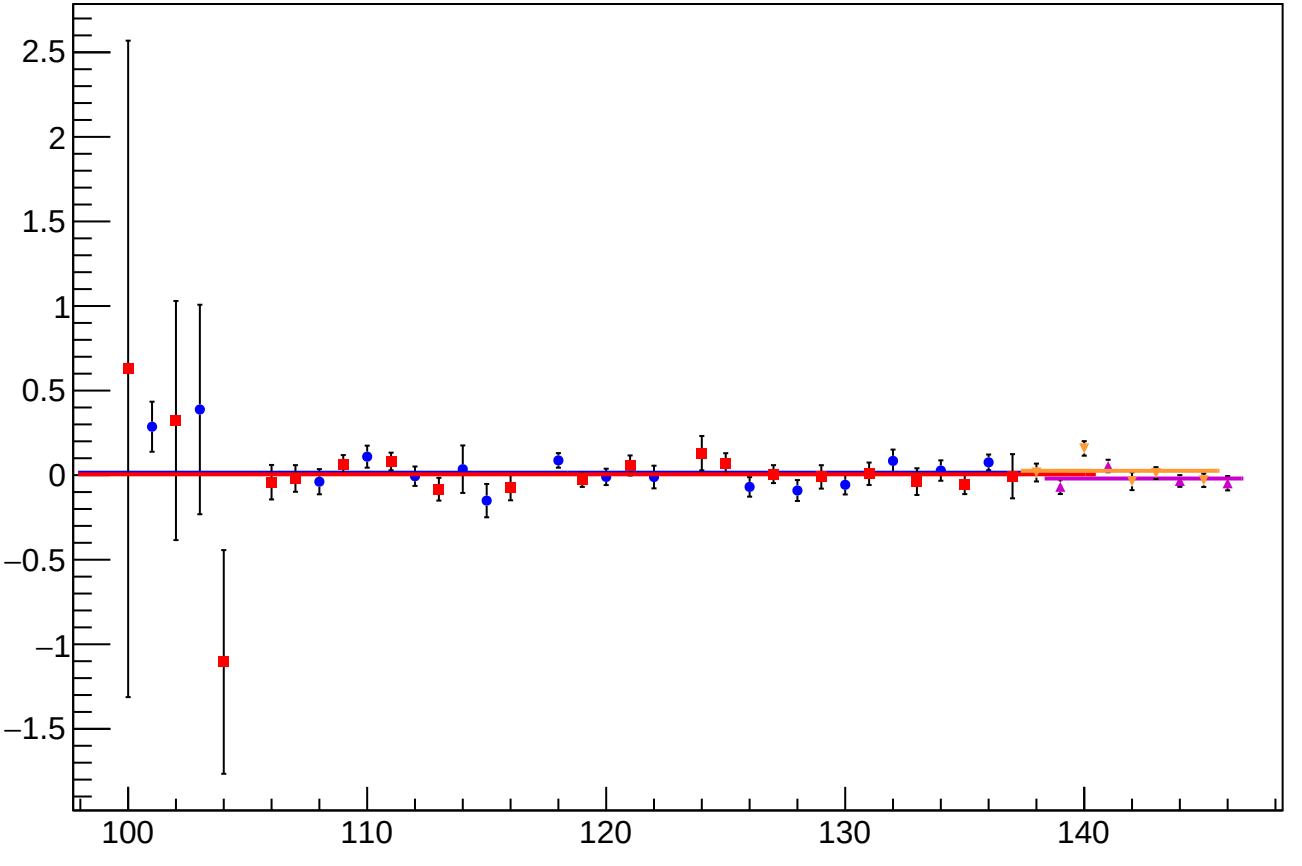
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.360+/-0.009 χ^2/NDF:1845772.3/19

Out: 36.290+/-0.009 χ^2/NDF:2080830.7/23

All: 36.325+/-0.006 χ^2/NDF: 3926635.3/43

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.026+/-0.019 χ^2/NDF:13.0/4

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.020+/-0.019 χ^2/NDF:5.9/3

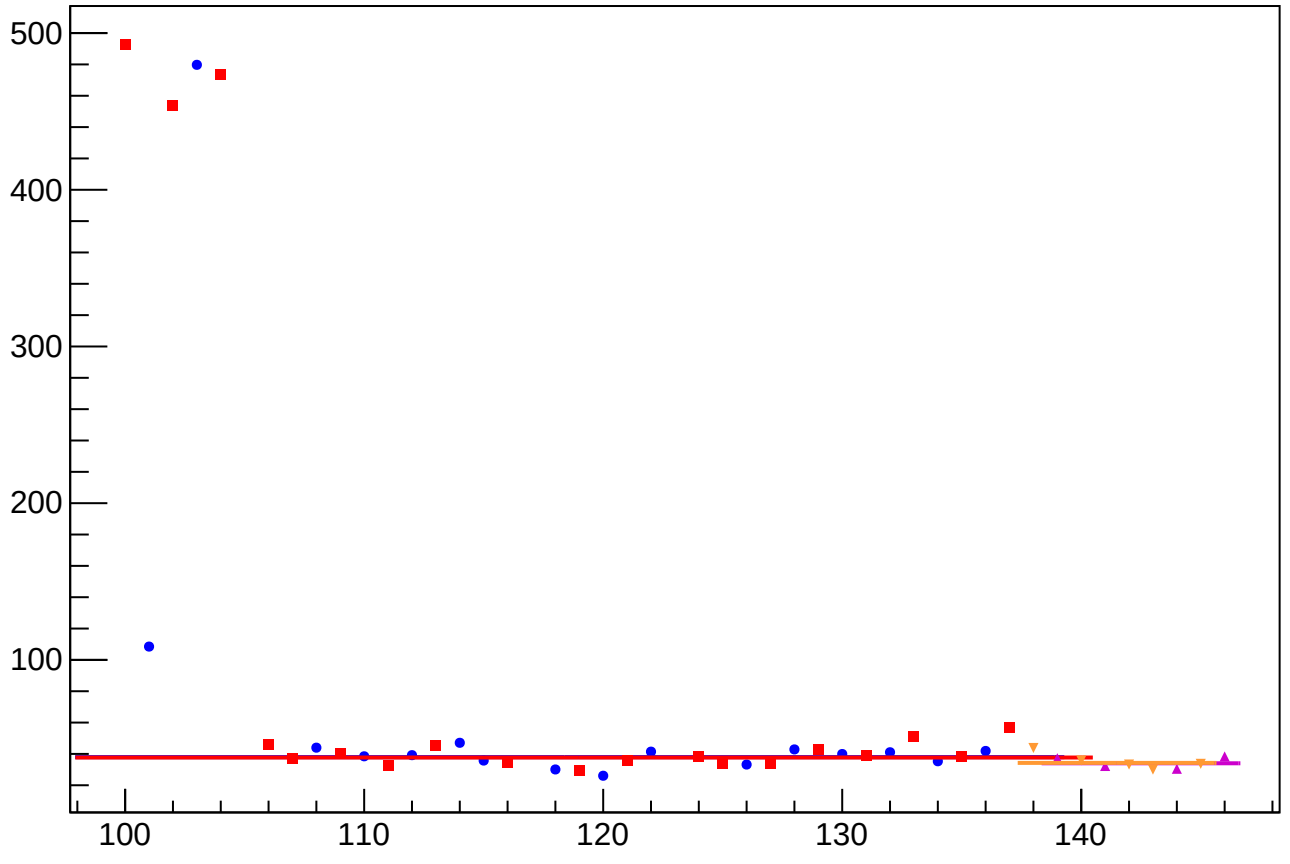
Left: 0.003+/-0.014 χ^2/NDF: 21.7/8

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.001+/-0.012 χ^2/NDF:29.8/19

Out: 0.013+/-0.012 χ^2/NDF:28.5/23

All: 0.007+/-0.009 χ^2/NDF: 58.9/43



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 34.268+/-0.014 χ^2/NDF:98532.1/4

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.019+/-0.014 χ^2/NDF:57181.8/3

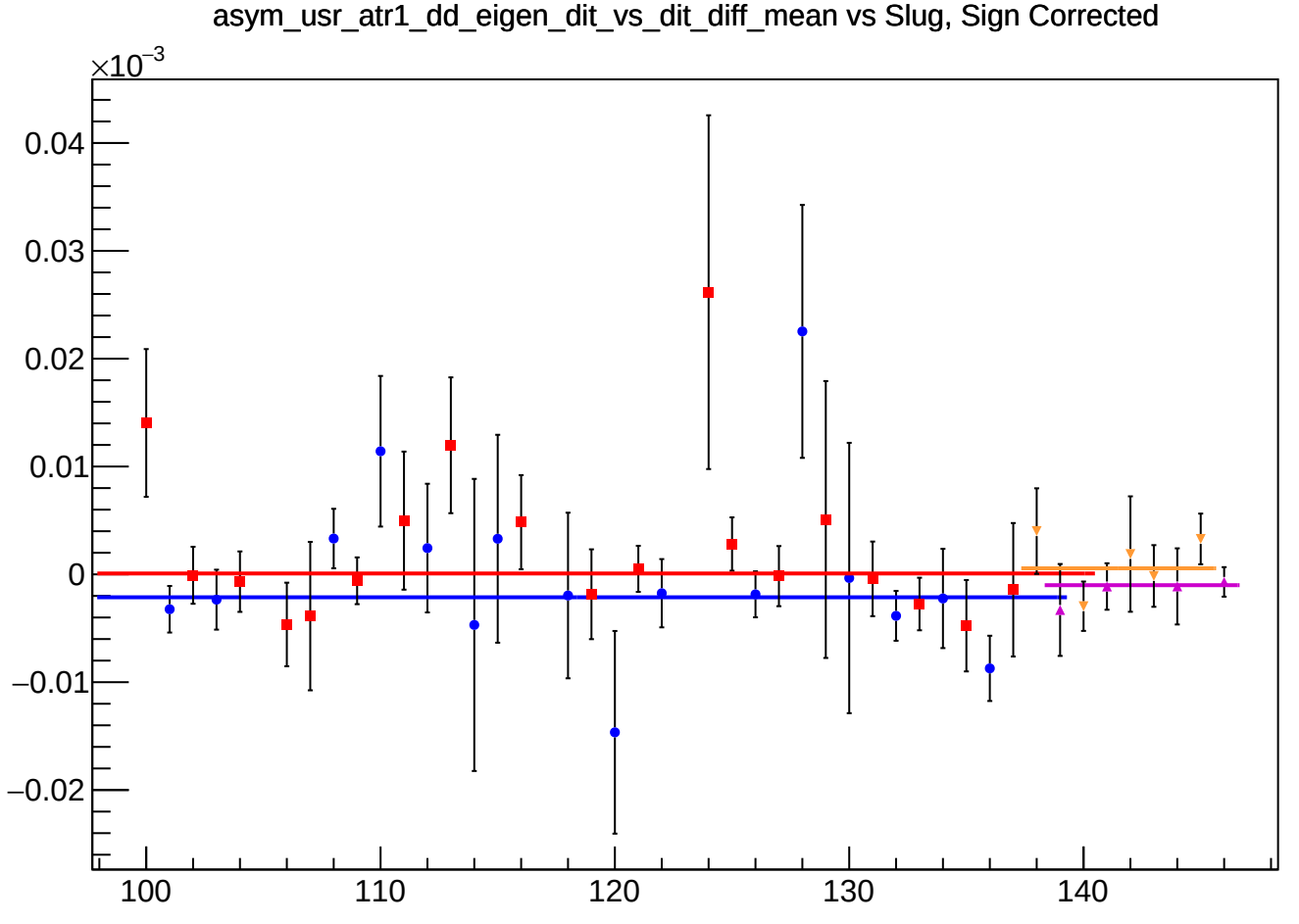
Left: 34.144+/-0.010 χ^2/NDF: 155881.0/8

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.360+/-0.009 χ^2/NDF:1845772.3/19

Out: 36.290+/-0.009 χ^2/NDF:2080830.7/23

All: 36.325+/-0.006 χ^2/NDF: 3926635.3/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.6/4

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

Left In: -0.000+/-0.000 χ^2/NDF:0.3/3

Left: -0.000+/-0.000 χ^2/NDF: 5.8/8

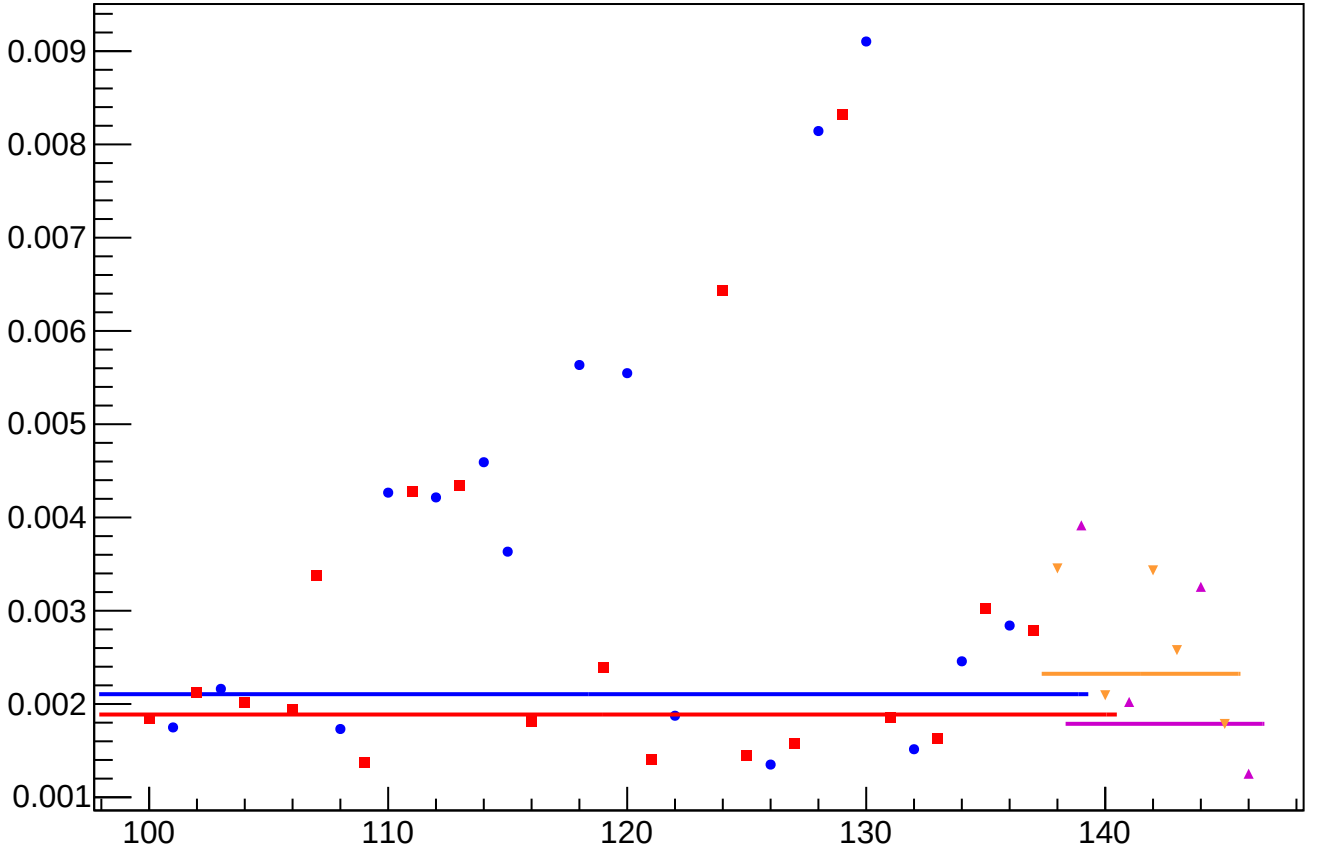
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:21.4/19

Out: 0.000+/-0.000 χ^2/NDF:23.1/23

All: -0.000+/-0.000 χ^2/NDF: 48.3/43

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:388844.7/4

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1174127.7/3

Left: 0.002+/-0.000 χ^2/NDF: 1767254.0/8

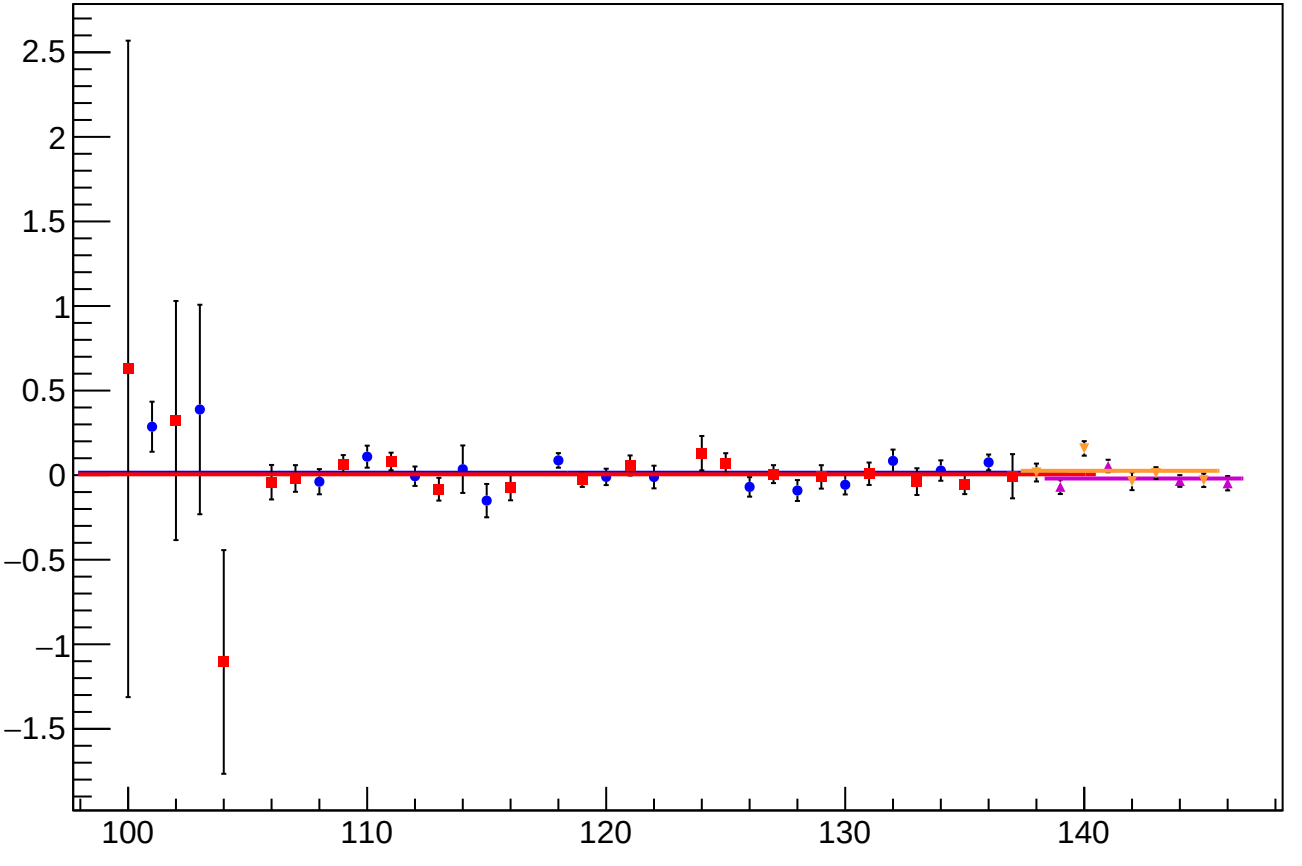
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:4296161.4/19

Out: 0.002+/-0.000 χ^2/NDF:2446004.2/23

All: 0.002+/-0.000 χ^2/NDF: 6744330.3/43

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: 0.026+/-0.019 χ^2/NDF:13.0/4

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.020+/-0.019 χ^2/NDF:5.9/3

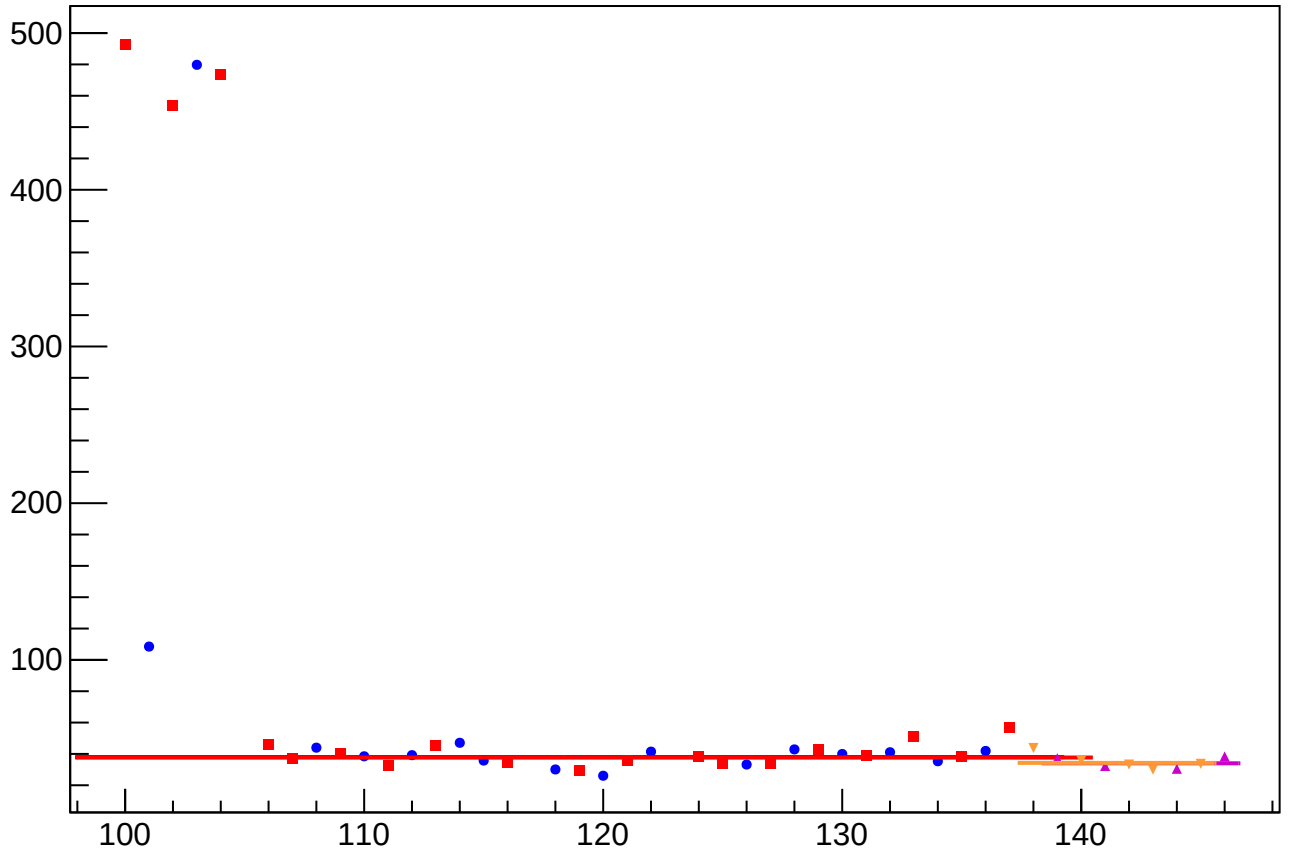
Left: 0.003+/-0.014 χ^2/NDF: 21.7/8

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.001+/-0.012 χ^2/NDF:29.8/19

Out: 0.013+/-0.012 χ^2/NDF:28.5/23

All: 0.007+/-0.009 χ^2/NDF: 58.9/43



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 34.268+/-0.014 χ^2/NDF:98556.9/4

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.018+/-0.014 χ^2/NDF:57184.8/3

Left: 34.144+/-0.010 χ^2/NDF: 155909.2/8

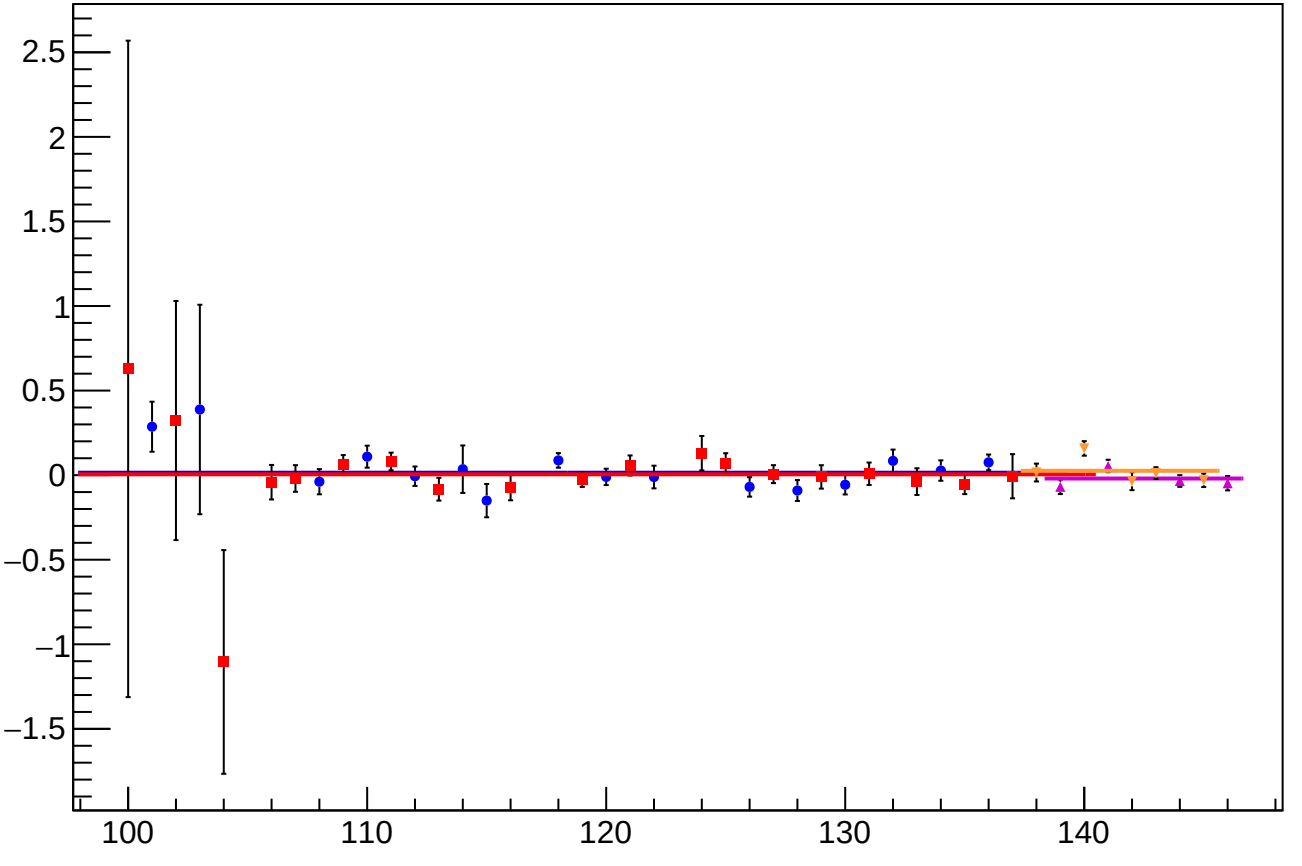
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.360+/-0.009 χ^2/NDF:1845786.0/19

Out: 36.289+/-0.009 χ^2/NDF:2080909.2/23

All: 36.324+/-0.006 χ^2/NDF: 3926727.7/43

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: 0.026+/-0.019 χ^2/NDF:13.0/4

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.020+/-0.019 χ^2/NDF:5.9/3

Left: 0.003+/-0.014 χ^2/NDF: 21.7/8

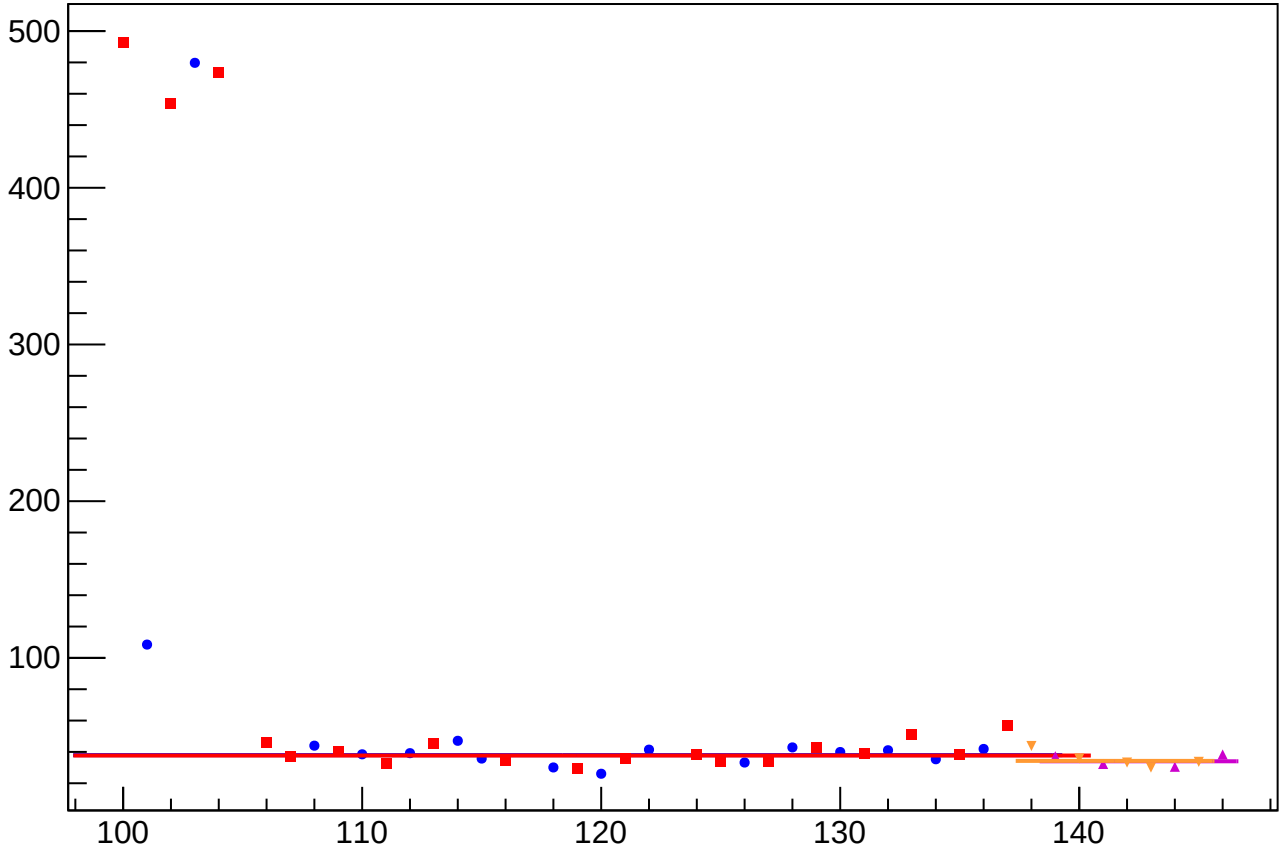
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.001+/-0.012 χ^2/NDF:29.8/19

Out: 0.013+/-0.012 χ^2/NDF:28.5/23

All: 0.007+/-0.009 χ^2/NDF: 58.9/43

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: 34.268+/-0.014 χ^2/NDF:98556.9/4

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.018+/-0.014 χ^2/NDF:57184.8/3

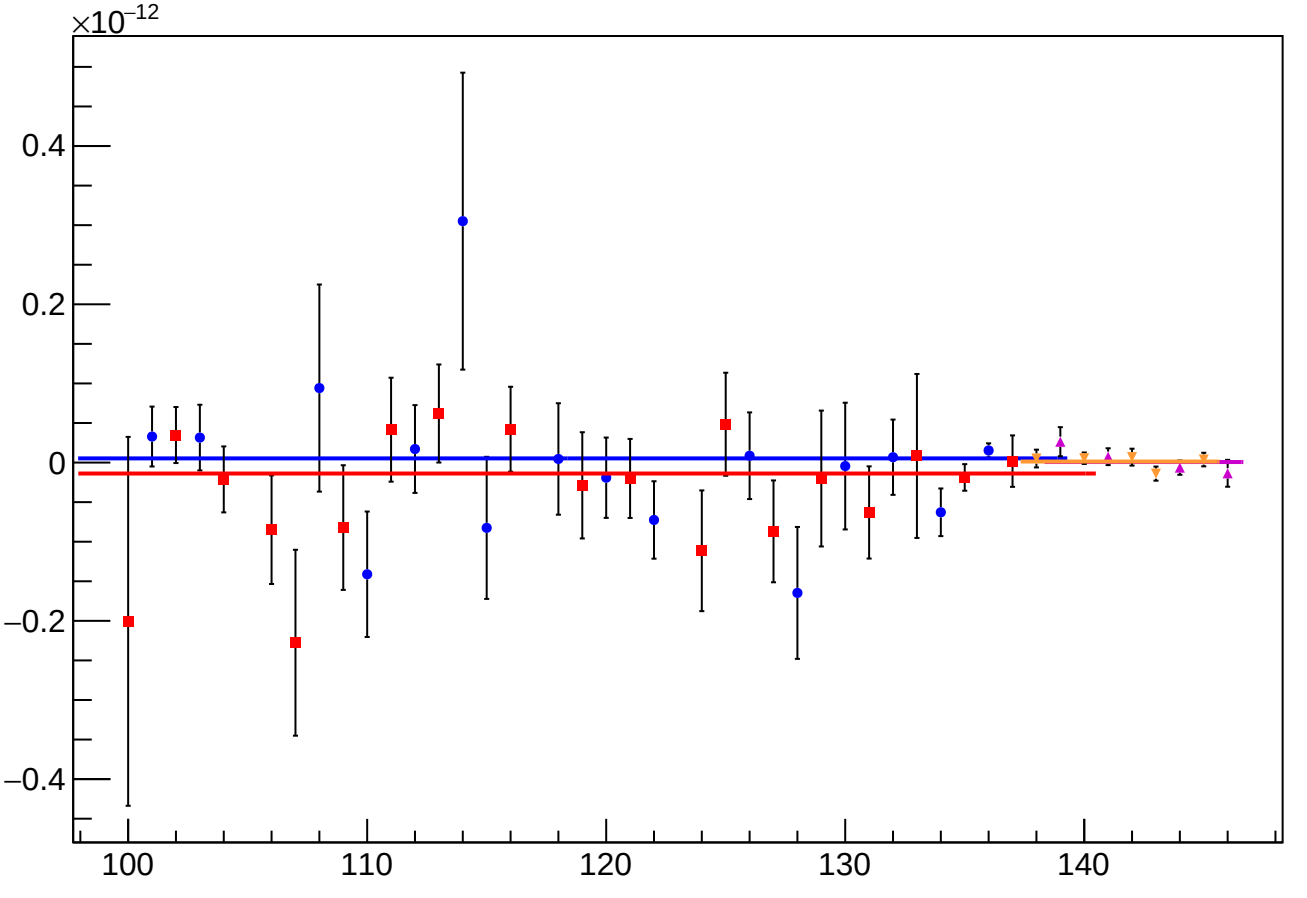
Left: 34.144+/-0.010 χ^2/NDF: 155909.2/8

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.360+/-0.009 χ^2/NDF:1845786.0/19

Out: 36.289+/-0.009 χ^2/NDF:2080909.2/23

All: 36.324+/-0.006 χ^2/NDF: 3926727.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/3

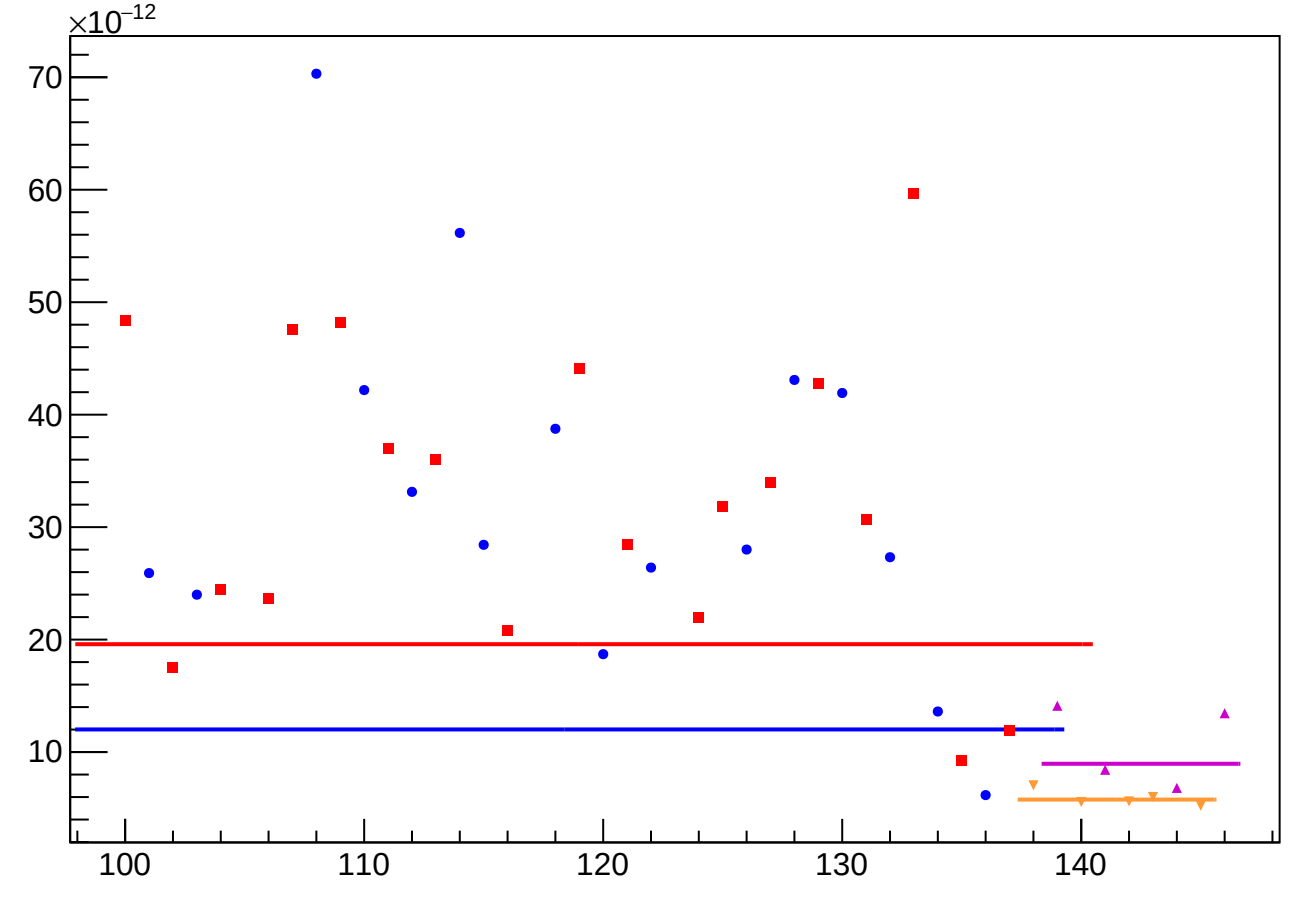
Left: 0.000+/-0.000 χ^2/NDF: 7.4/8

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:25.5/19

Out: -0.000+/-0.000 χ^2/NDF:21.5/23

All: 0.000+/-0.000 χ^2/NDF: 47.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:37117.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:414228.4/3

Left: 0.000+/-0.000 χ^2/NDF: 836412.7/8

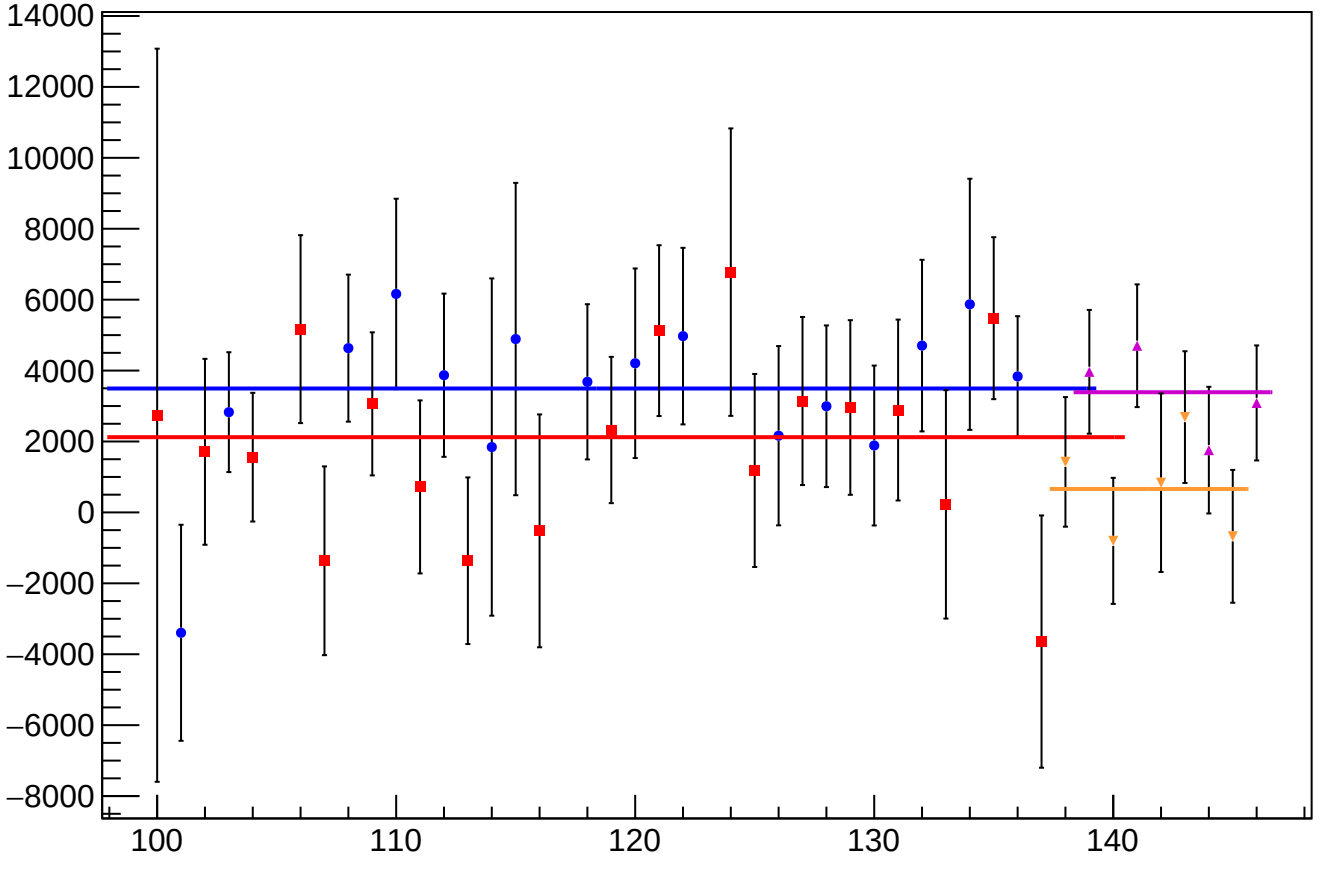
Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:4482478.2/19

Out: 0.000+/-0.000 χ^2/NDF:5646438.1/23

All: 0.000+/-0.000 χ^2/NDF: 10507167.8/43

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 661.066+/-861.104 χ^2/NDF:2.6/4

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 3389.297+/-858.787 χ^2/NDF:1.6/3

Left: 2028.856+/-608.072 χ^2/NDF: 9.1/8

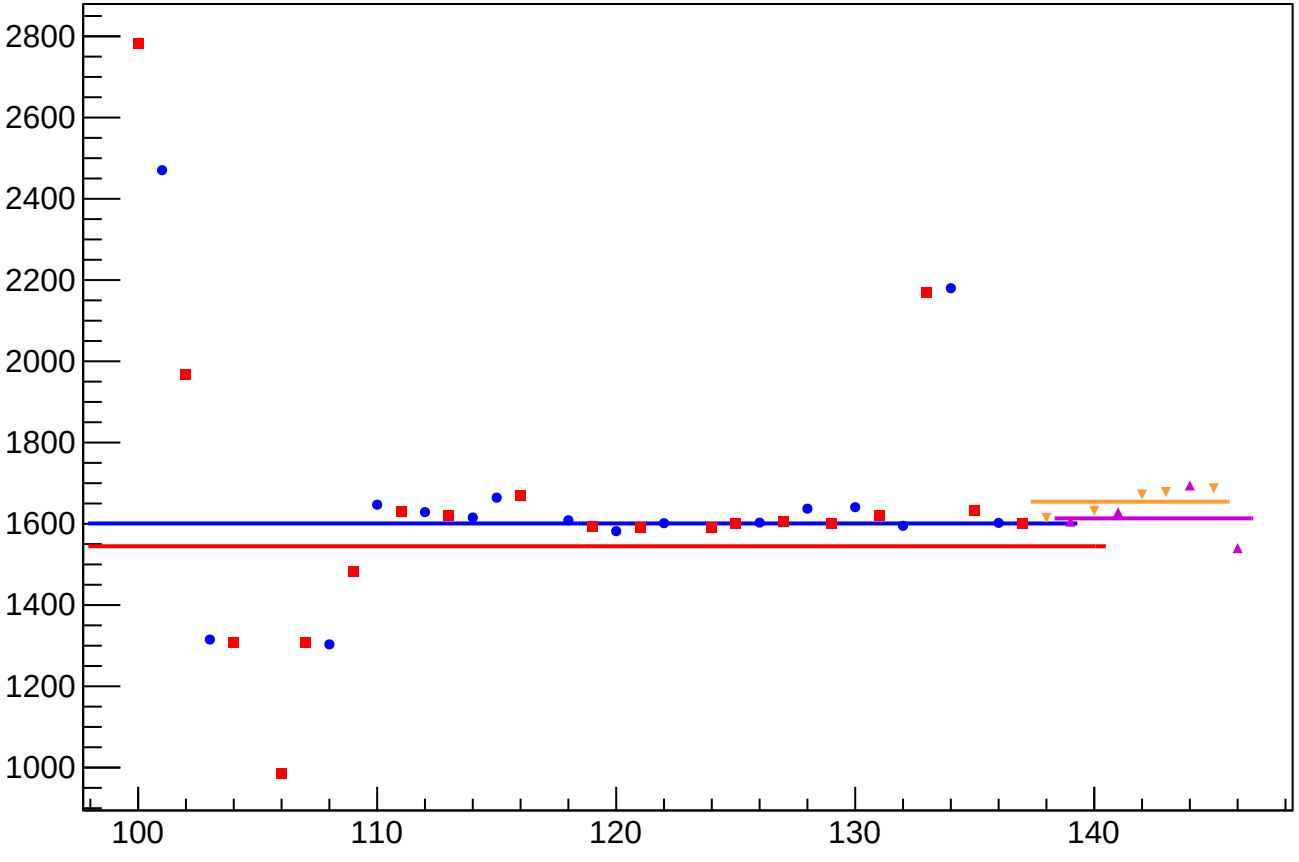
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3459.820+/-492.501 χ^2/NDF:10.4/19

Out: 1657.642+/-485.374 χ^2/NDF:19.6/23

All: 2545.597+/-345.703 χ^2/NDF: 36.8/43

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1654.469+/-0.609 χ^2/NDF:2313.4/4

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

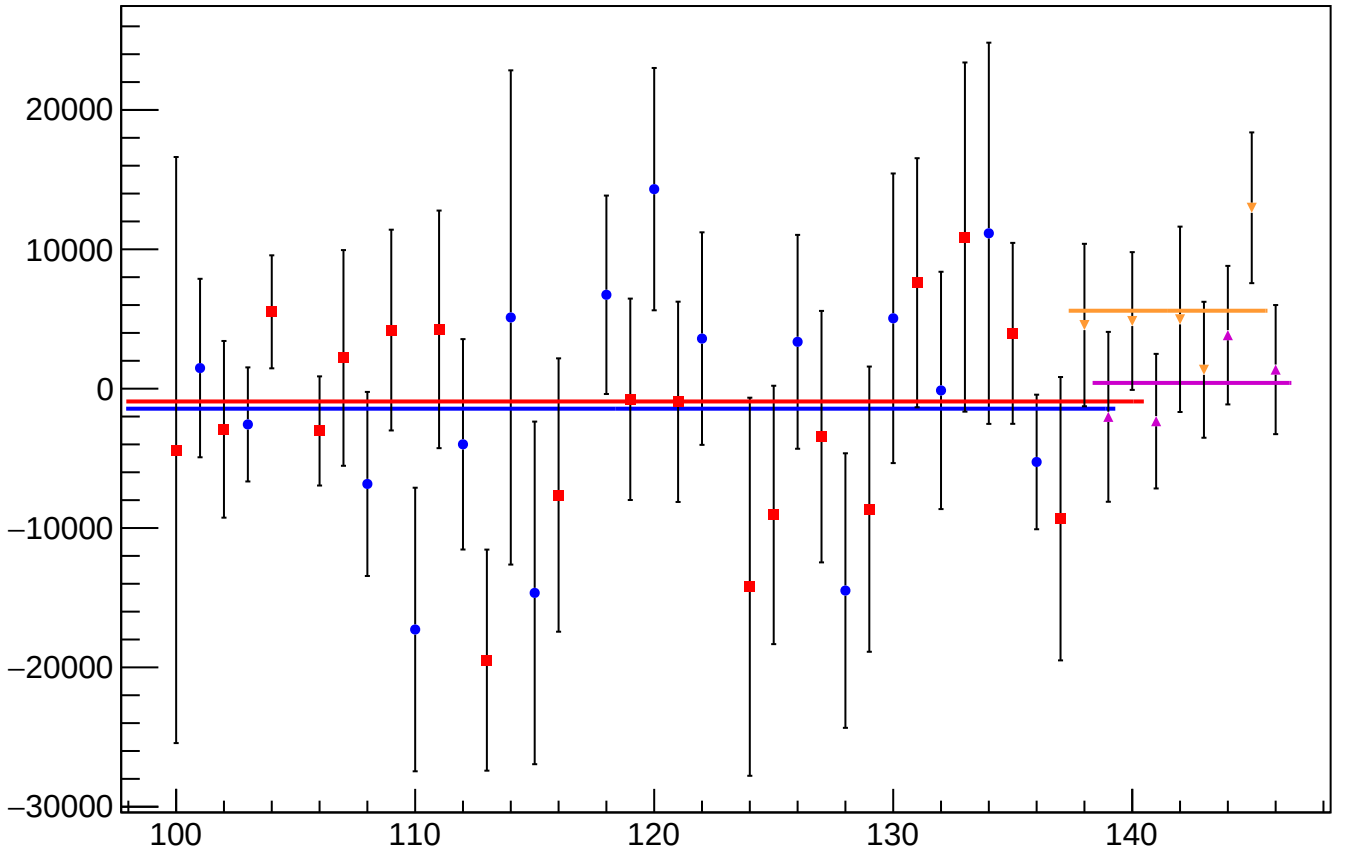
Left: 1633.887+/-0.430 χ^2/NDF: 12983.8/8

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1605.002+/-0.348 χ^2/NDF:326091.2/19

Out: 1578.856+/-0.339 χ^2/NDF:400805.8/23

All: 1591.588+/-0.243 χ^2/NDF: 729789.1/43



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 5592.705+/-2431.208 χ^2/NDF:2.7/4

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 412.887+/-2524.794 χ^2/NDF:1.0/3

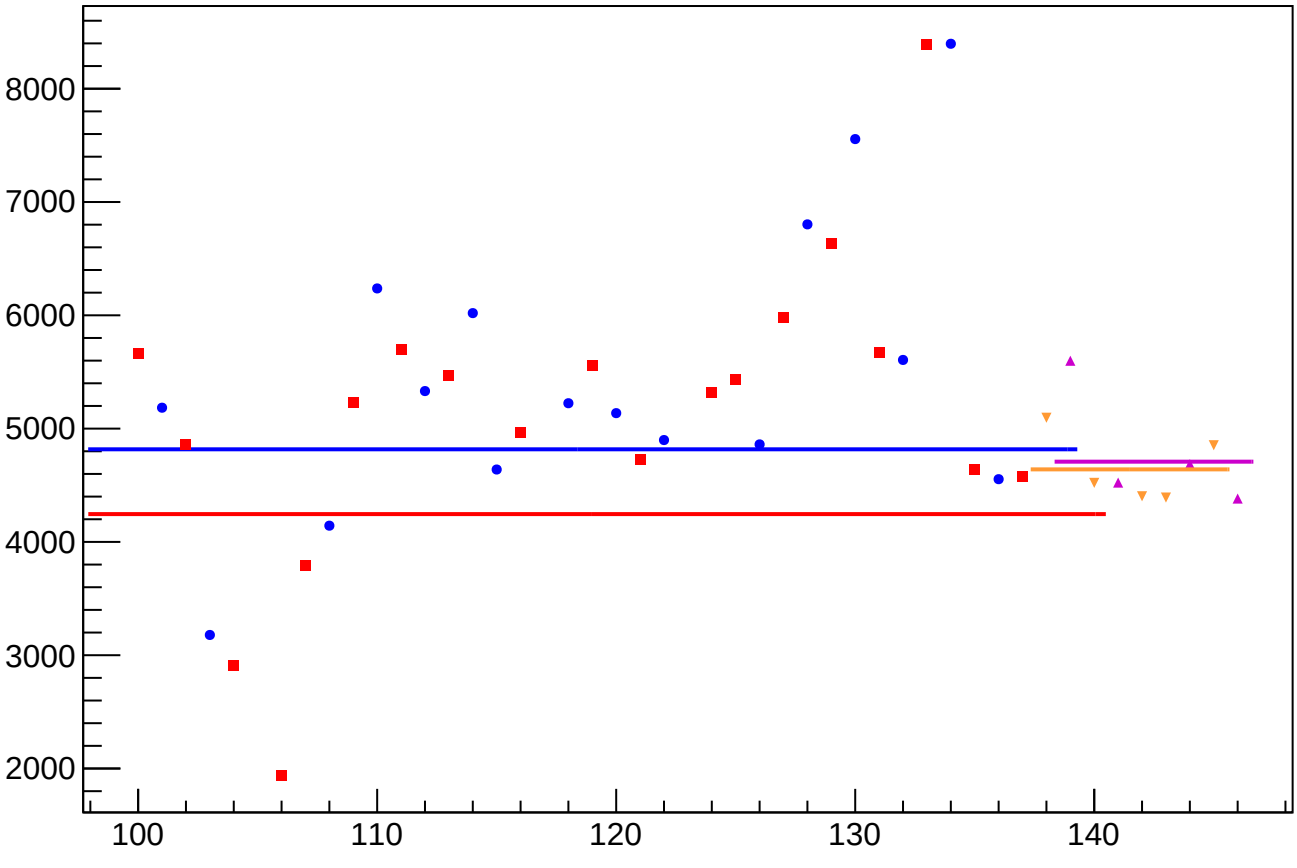
Left: 3100.574+/-1751.275 χ^2/NDF: 5.9/8

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -791.619+/-1491.377 χ^2/NDF:15.2/19

Out: 1167.614+/-1376.130 χ^2/NDF:22.9/23

All: 266.613+/-1011.363 χ^2/NDF: 39.0/43



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4640.210+/-1.719 χ^2/NDF:24237.7/4

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4708.252+/-1.785 χ^2/NDF:55554.9/3

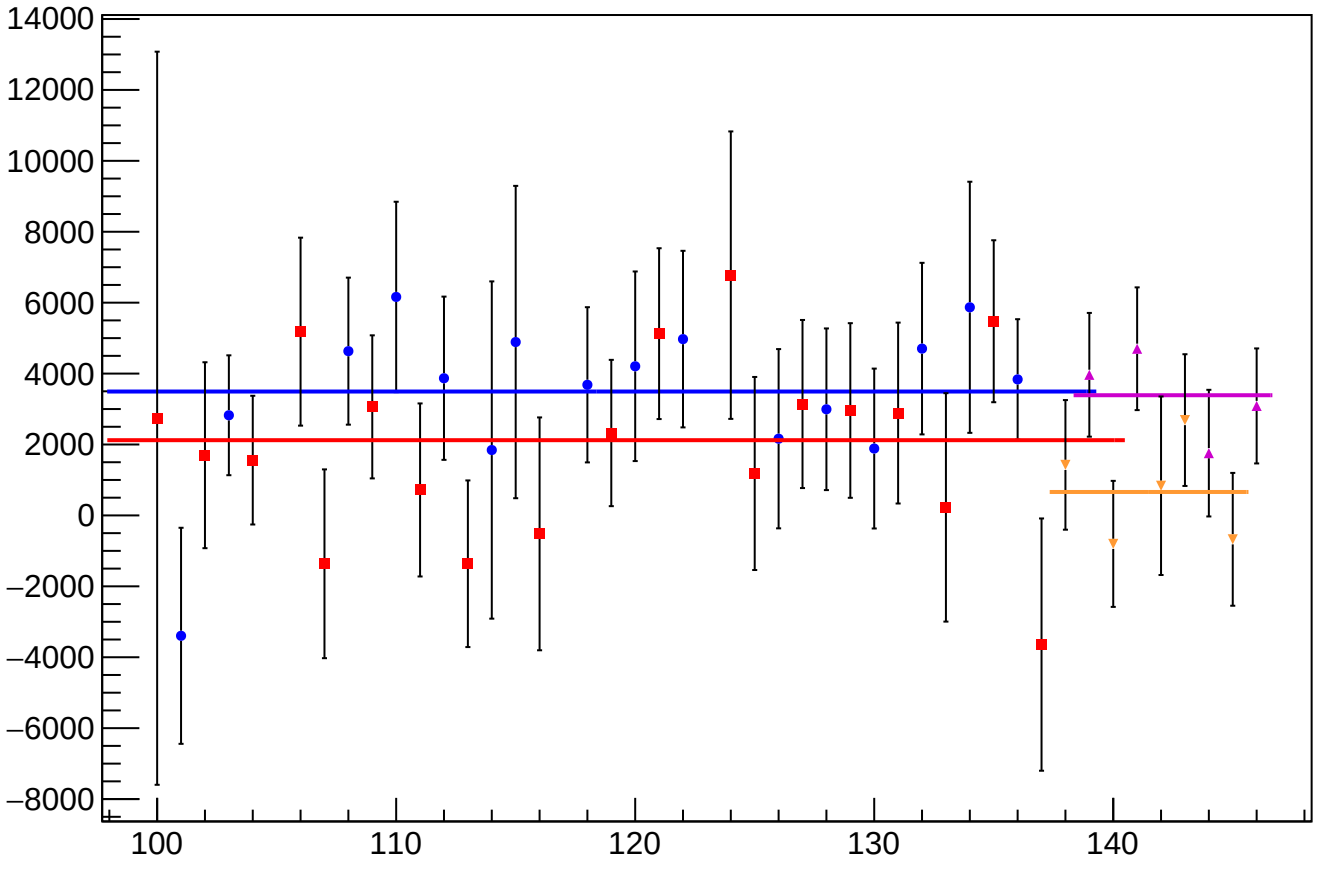
Left: 4672.947+/-1.238 χ^2/NDF: 80546.3/8

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4779.280+/-1.055 χ^2/NDF:853417.0/19

Out: 4371.982+/-0.973 χ^2/NDF:1743217.4/23

All: 4559.288+/-0.715 χ^2/NDF: 2677204.4/43



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 661.031+/-861.104 χ^2/NDF:2.6/4

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3389.557+/-858.787 χ^2/NDF:1.6/3

Left: 2028.969+/-608.072 χ^2/NDF: 9.1/8

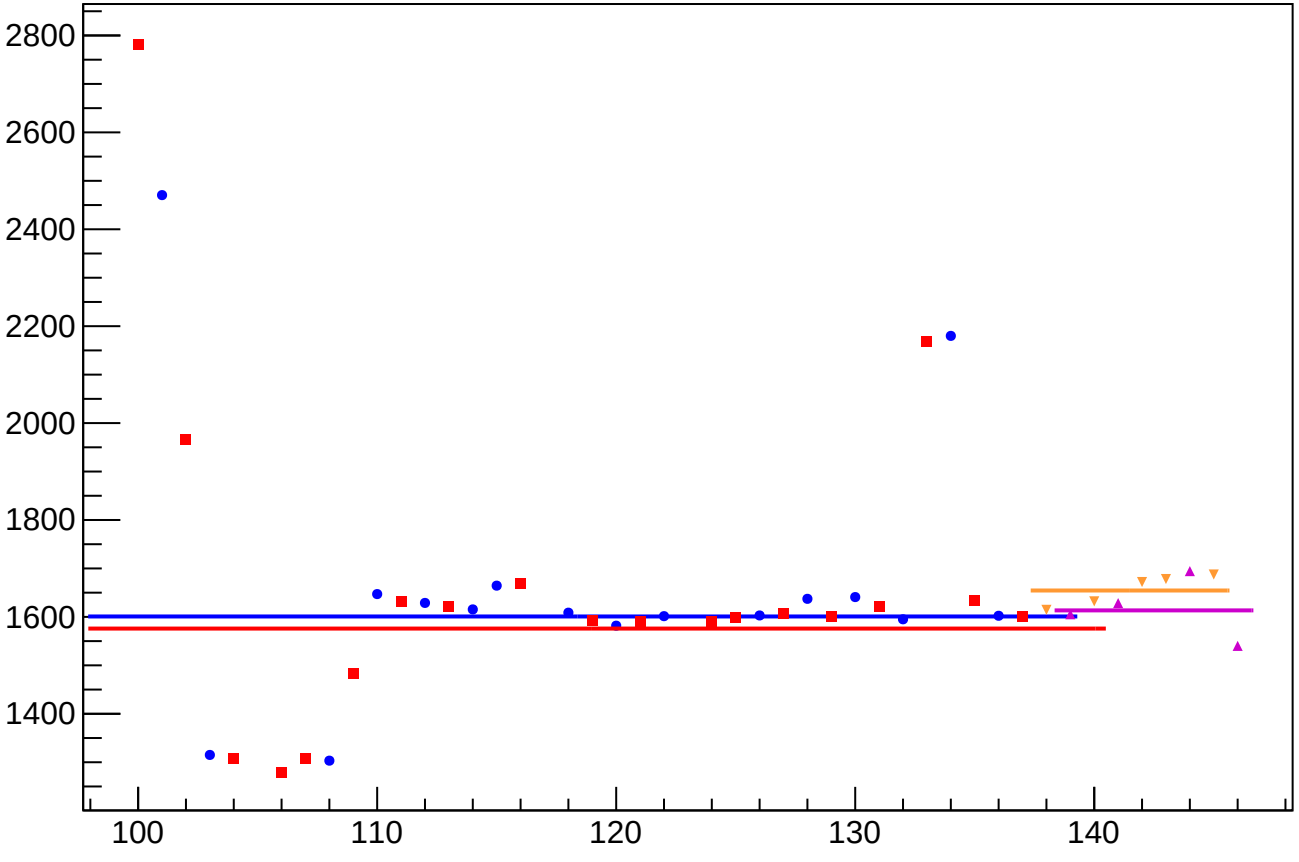
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3459.681+/-492.501 χ^2/NDF:10.4/19

Out: 1657.622+/-485.375 χ^2/NDF:19.6/23

All: 2545.521+/-345.704 χ^2/NDF: 36.8/43

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1654.469+/-0.609 χ^2/NDF:2313.4/4

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

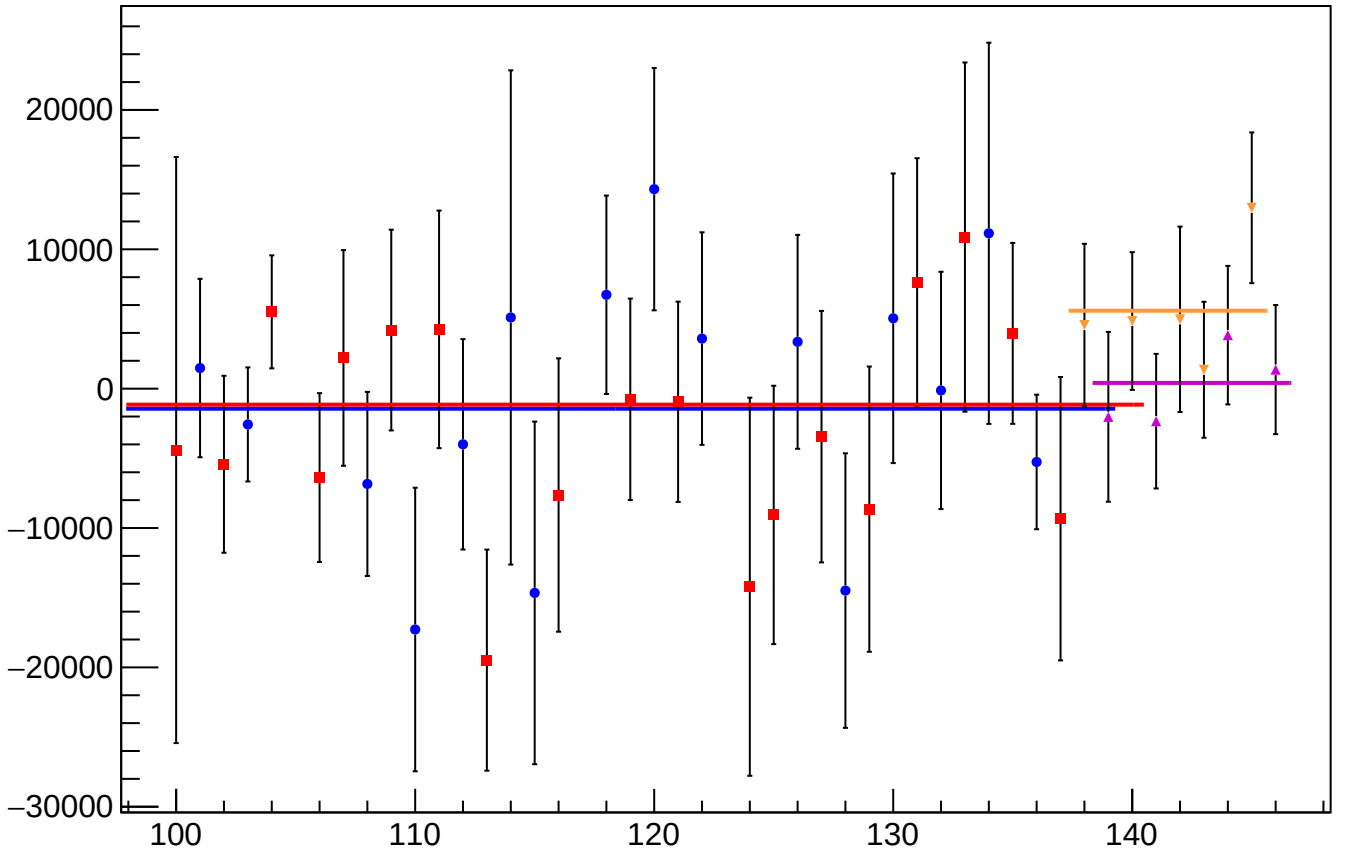
Left: 1633.887+/-0.430 χ^2/NDF: 12983.8/8

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1605.003+/-0.348 χ^2/NDF:326090.4/19

Out: 1600.729+/-0.342 χ^2/NDF:257033.9/23

All: 1602.829+/-0.244 χ^2/NDF: 583200.8/43



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 5592.588+/-2431.199 χ^2/NDF:2.7/4

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 413.026+/-2524.794 χ^2/NDF:1.0/3

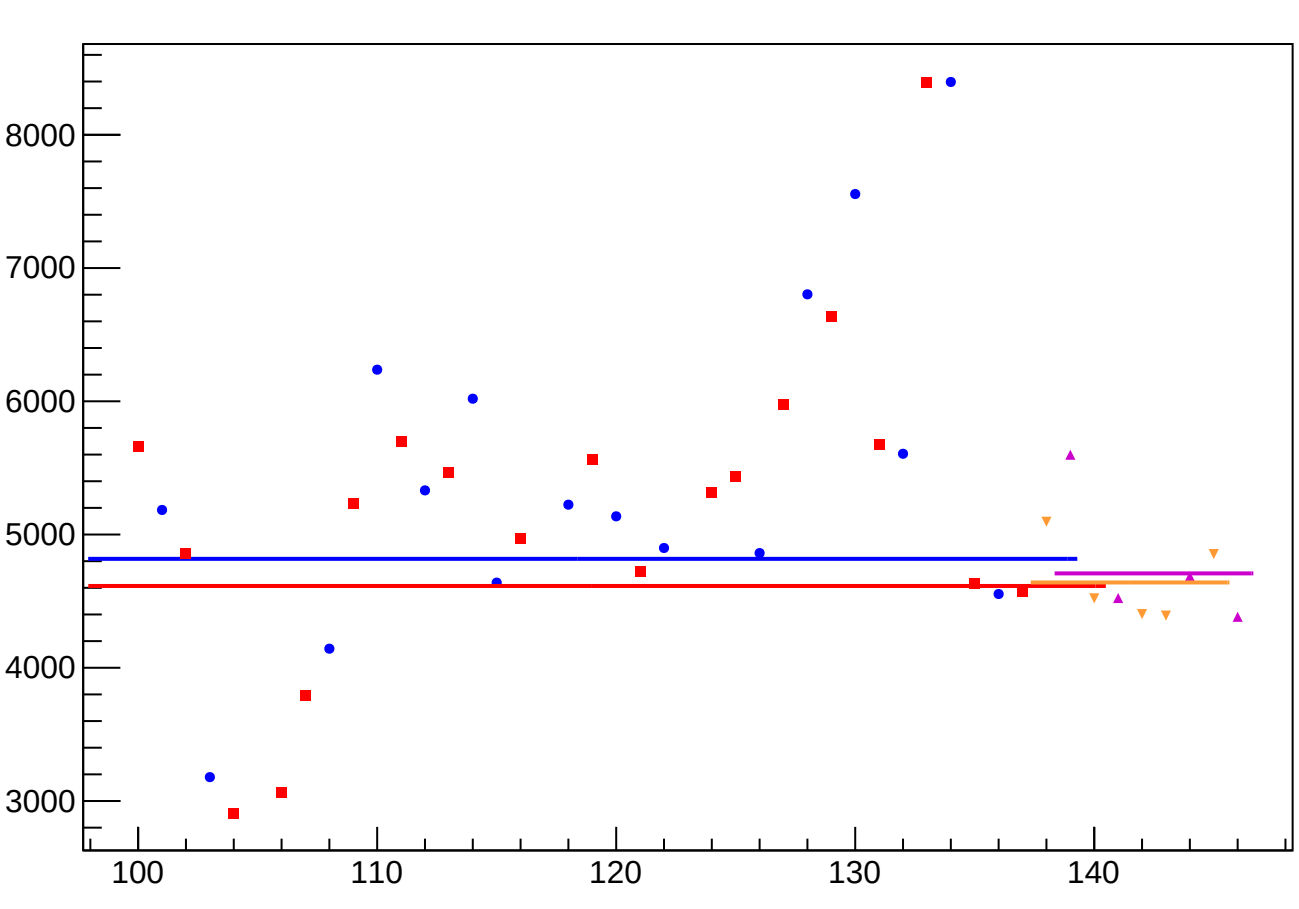
Left: 3100.590+/-1751.271 χ^2/NDF: 5.9/8

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -791.712+/-1491.397 χ^2/NDF:15.2/19

Out: 1180.310+/-1428.501 χ^2/NDF:24.0/23

All: 236.757+/-1031.621 χ^2/NDF: 40.1/43



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4640.191+/-1.719 χ^2/NDF:24239.4/4

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4708.253+/-1.785 χ^2/NDF:55554.2/3

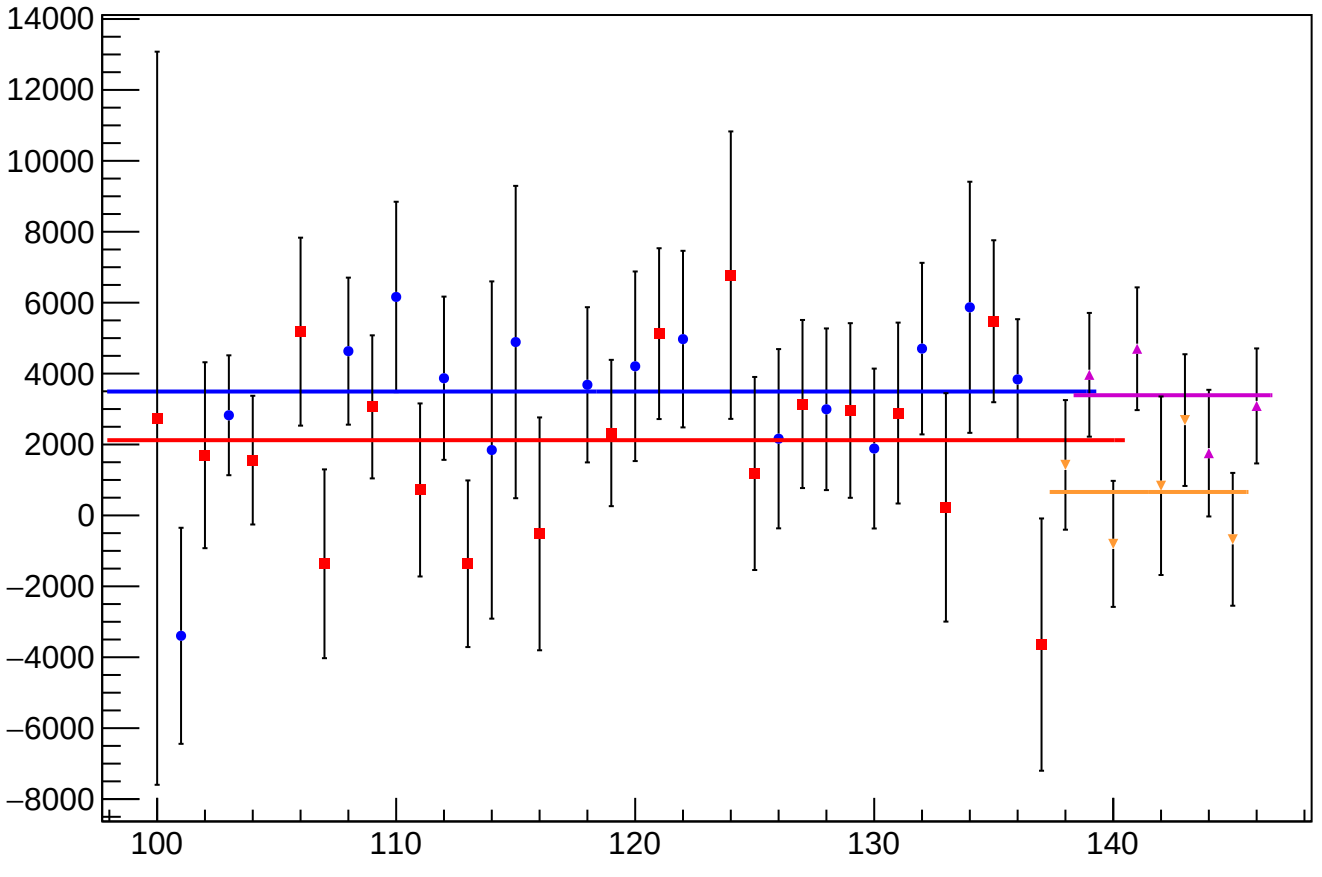
Left: 4672.937+/-1.238 χ^2/NDF: 80547.8/8

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4779.368+/-1.055 χ^2/NDF:853224.6/19

Out: 4622.944+/-1.010 χ^2/NDF:1002351.3/23

All: 4697.788+/-0.729 χ^2/NDF: 1867050.2/43



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 661.031+/-861.104 χ^2/NDF:2.6/4

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3389.557+/-858.787 χ^2/NDF:1.6/3

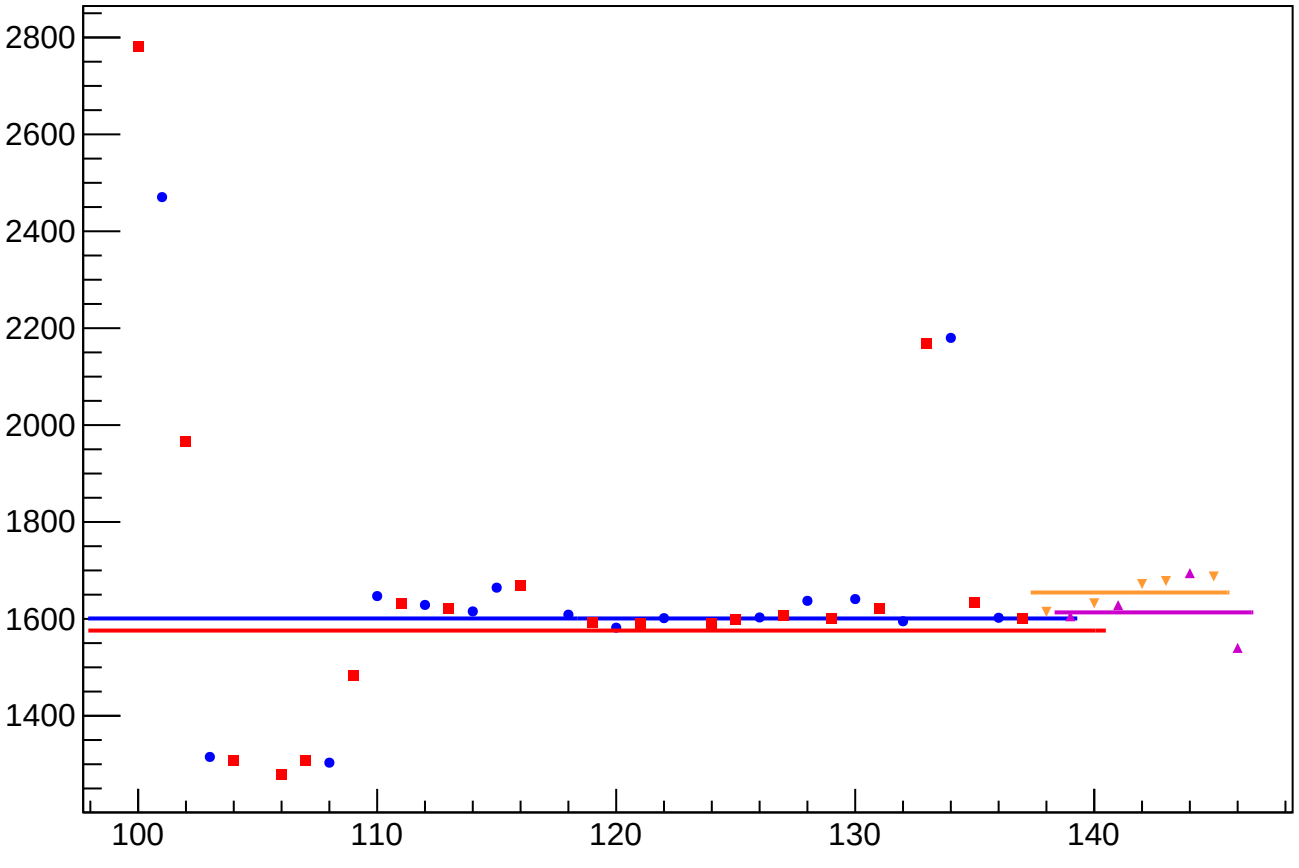
Left: 2028.969+/-608.072 χ^2/NDF: 9.1/8

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3459.681+/-492.501 χ^2/NDF:10.4/19

Out: 1657.622+/-485.375 χ^2/NDF:19.6/23

All: 2545.521+/-345.704 χ^2/NDF: 36.8/43



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1654.469+/-0.609 χ^2/NDF:2313.4/4

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

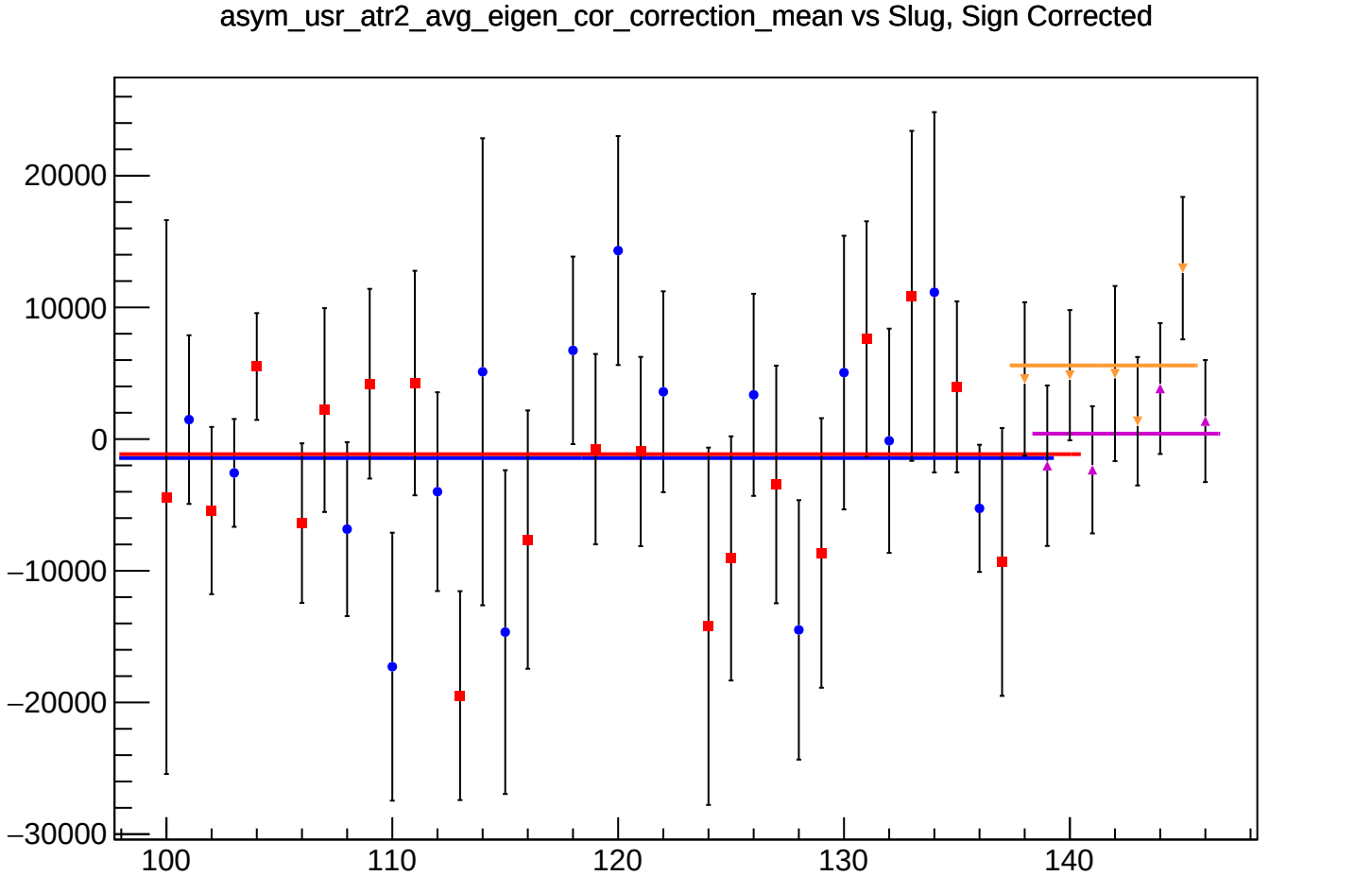
Left: 1633.887+/-0.430 χ^2/NDF: 12983.8/8

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1605.003+/-0.348 χ^2/NDF:326090.4/19

Out: 1600.729+/-0.342 χ^2/NDF:257033.9/23

All: 1602.829+/-0.244 χ^2/NDF: 583200.8/43



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 5592.588+/-2431.199 χ^2/NDF:2.7/4

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 413.026+/-2524.794 χ^2/NDF:1.0/3

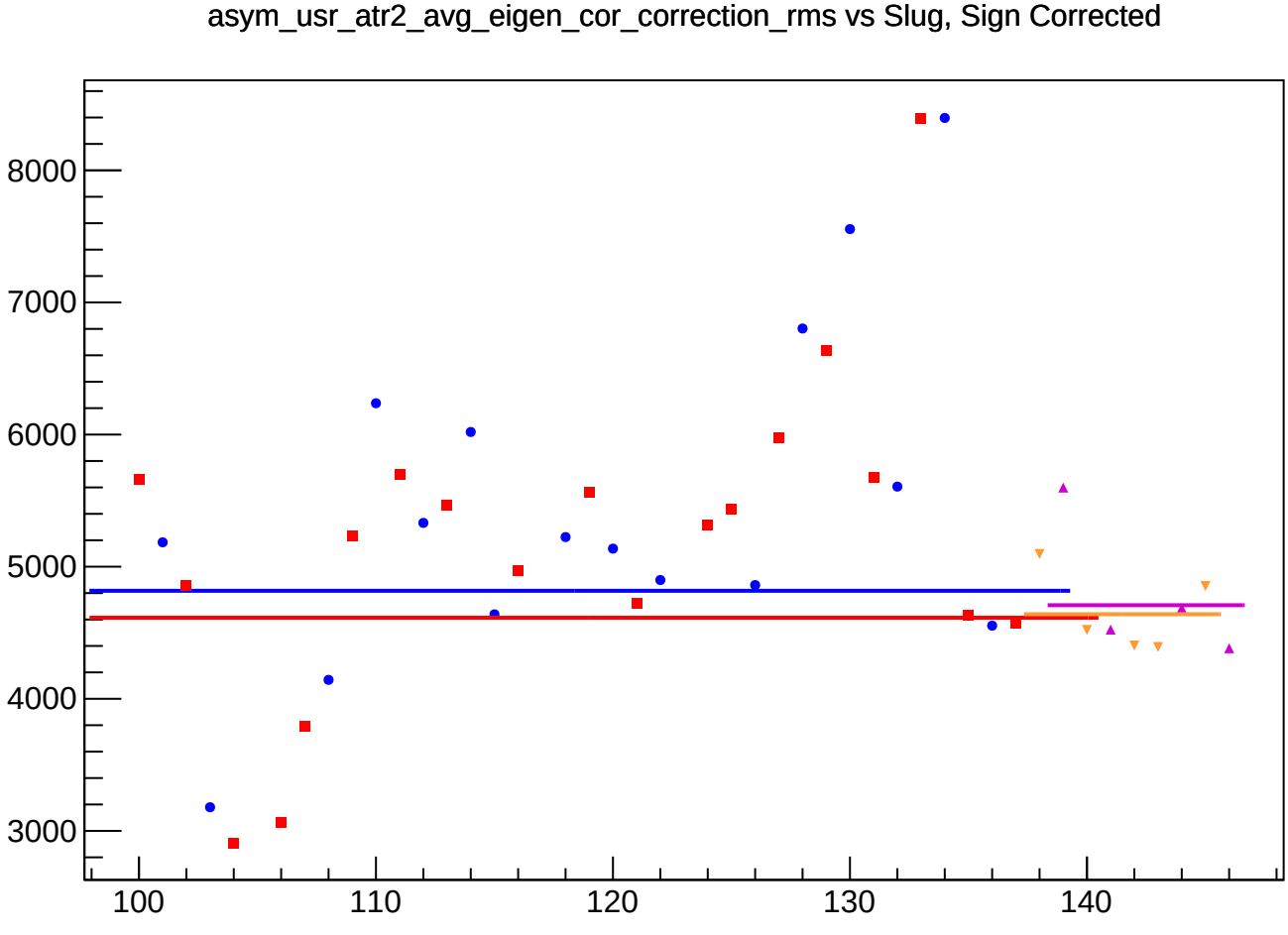
Left: 3100.590+/-1751.271 χ^2/NDF: 5.9/8

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -791.712+/-1491.397 χ^2/NDF:15.2/19

Out: 1180.310+/-1428.501 χ^2/NDF:24.0/23

All: 236.757+/-1031.621 χ^2/NDF: 40.1/43



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4640.191+/-1.719 χ^2/NDF:24239.4/4

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4708.253+/-1.785 χ^2/NDF:55554.2/3

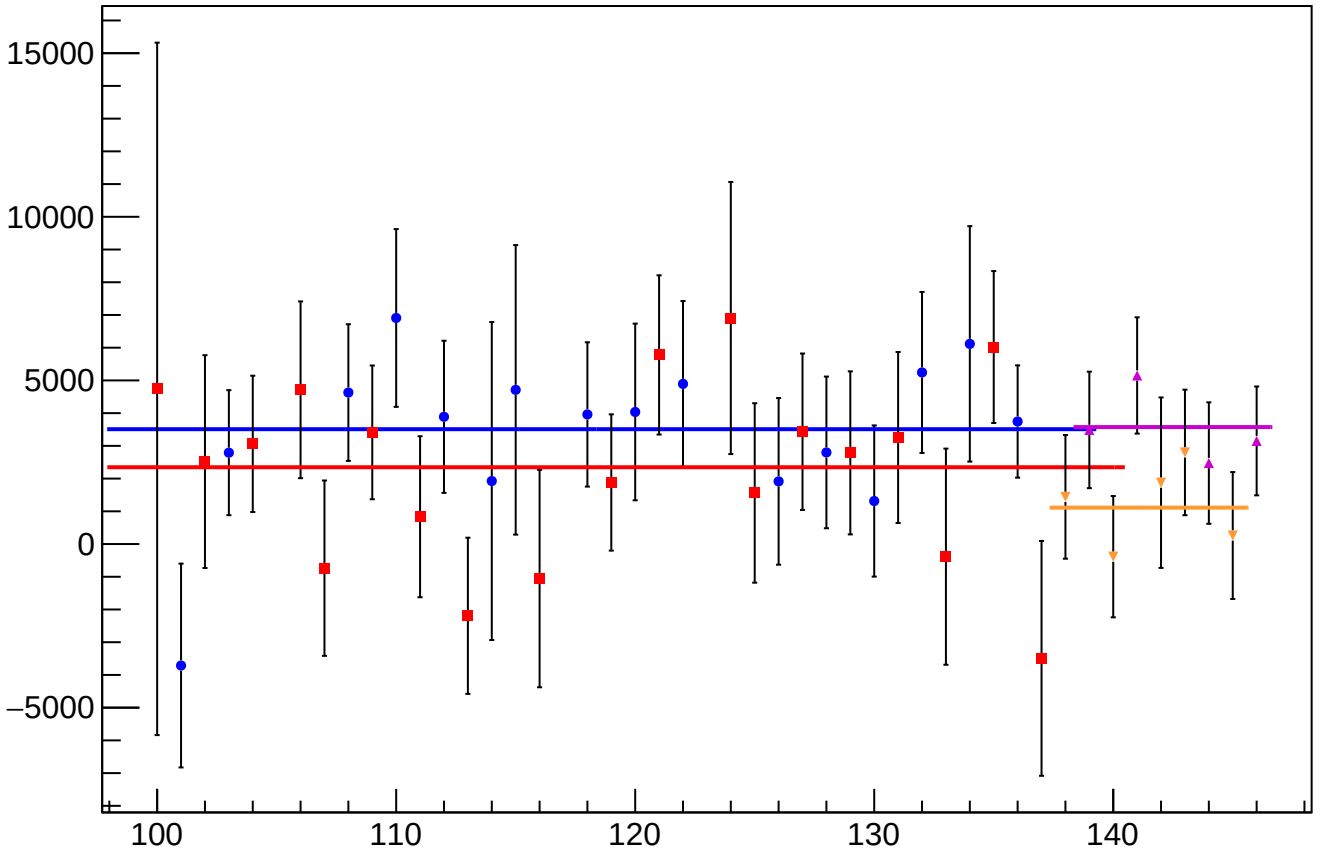
Left: 4672.937+/-1.238 χ^2/NDF: 80547.8/8

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4779.368+/-1.055 χ^2/NDF:853224.6/19

Out: 4622.944+/-1.010 χ^2/NDF:1002351.3/23

All: 4697.788+/-0.729 χ^2/NDF: 1867050.2/43



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1112.390+/-892.124 χ^2/NDF:1.7/4

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3574.411+/-882.352 χ^2/NDF:1.2/3

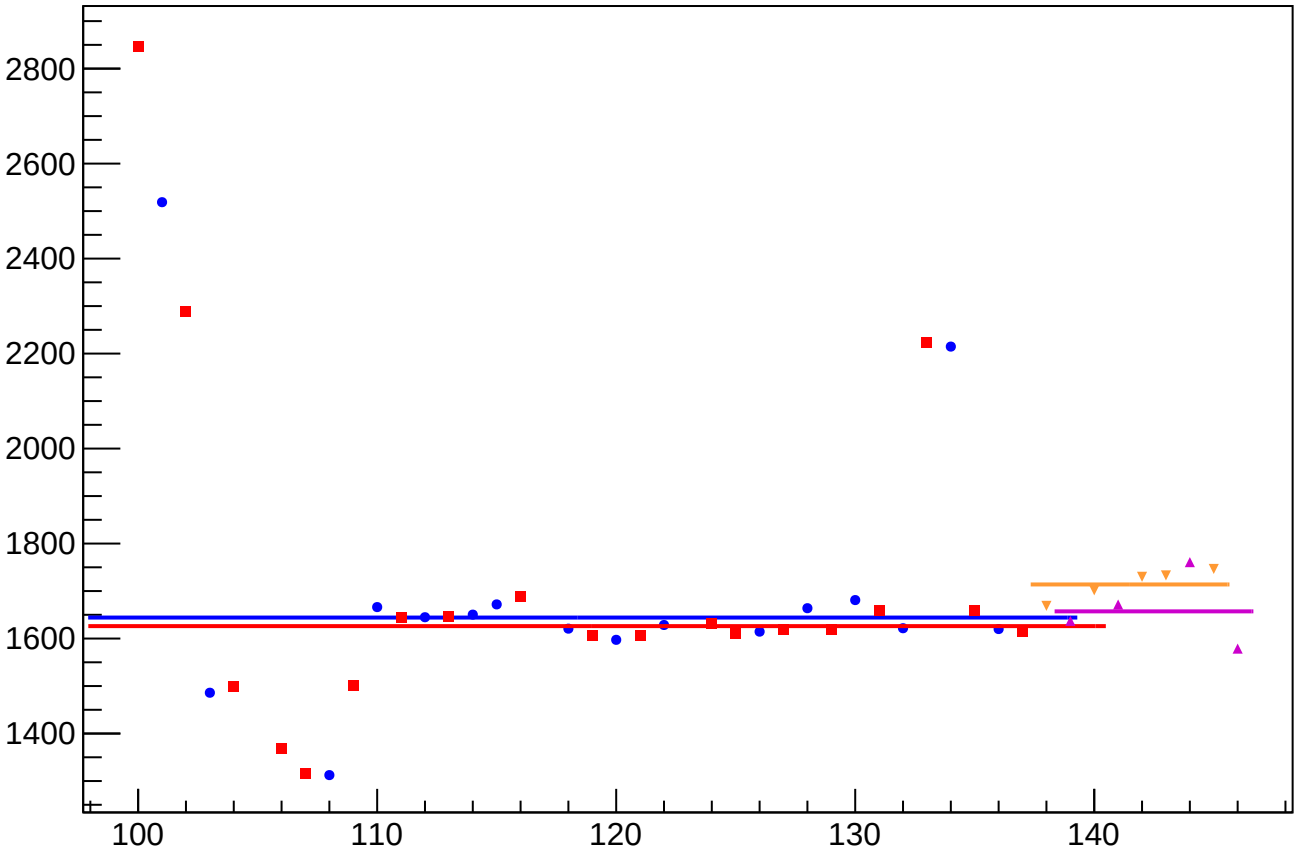
Left: 2356.958+/-627.343 χ^2/NDF: 6.8/8

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3530.808+/-505.488 χ^2/NDF:11.6/19

Out: 1955.774+/-502.135 χ^2/NDF:20.2/23

All: 2738.050+/-356.243 χ^2/NDF: 36.6/43



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1713.904+/-0.631 χ^2/NDF:2068.9/4

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1657.235+/-0.624 χ^2/NDF:11070.7/3

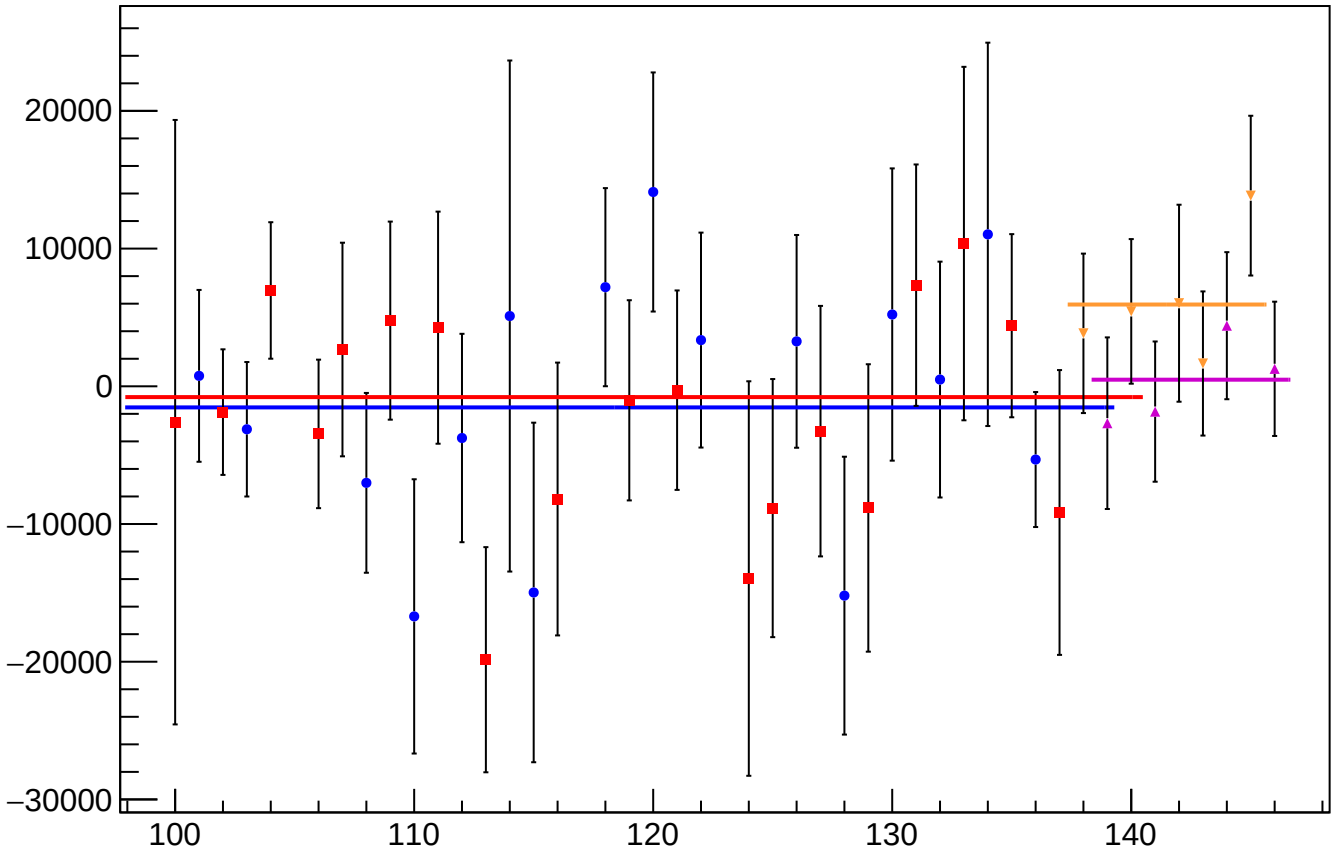
Left: 1685.257+/-0.444 χ^2/NDF: 17218.9/8

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1648.477+/-0.357 χ^2/NDF:286181.9/19

Out: 1653.934+/-0.355 χ^2/NDF:252928.8/23

All: 1651.225+/-0.252 χ^2/NDF: 539228.1/43



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 5938.436+/-2565.930 χ^2/NDF:2.7/4

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 479.752+/-2658.744 χ^2/NDF:1.0/3

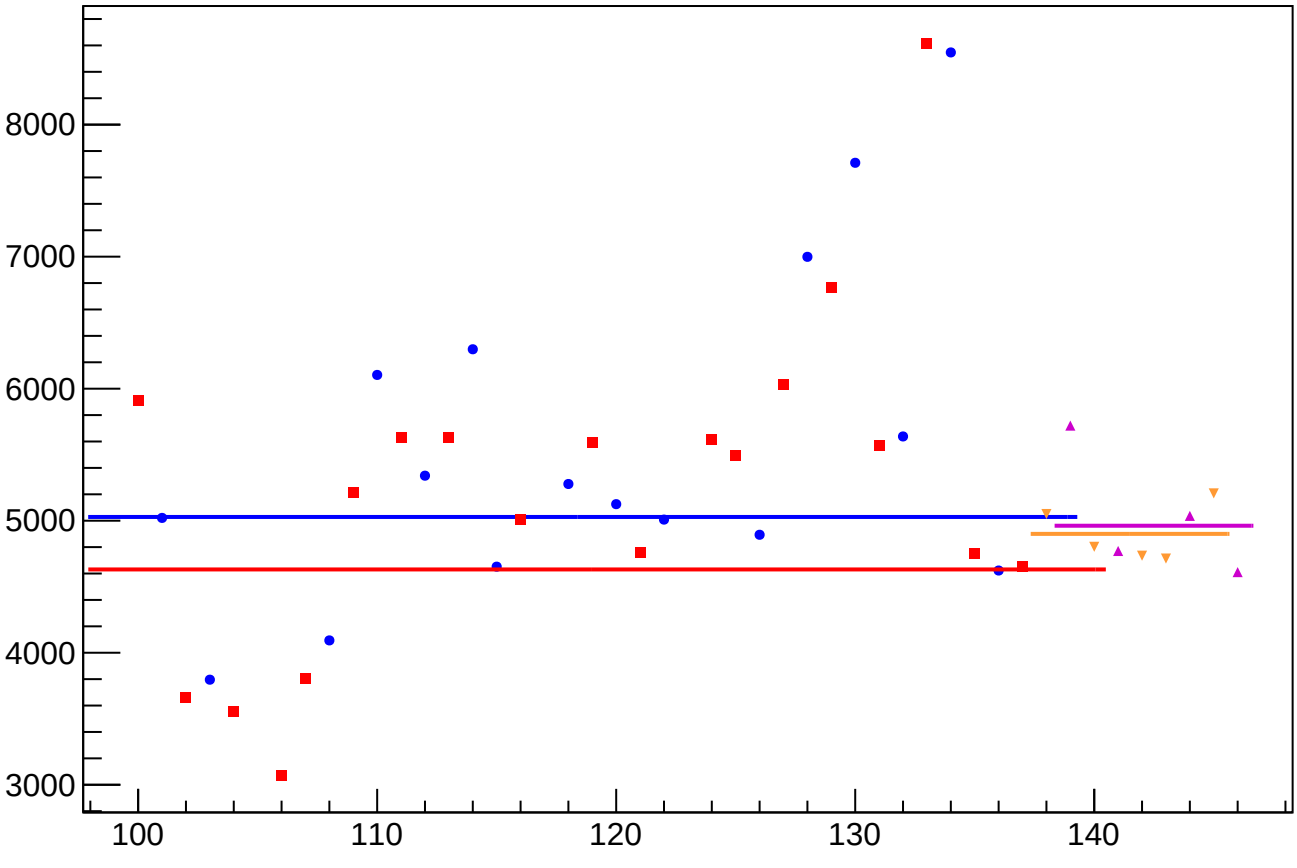
Left: 3306.034+/-1846.327 χ^2/NDF: 5.9/8

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -845.471+/-1553.251 χ^2/NDF:15.3/19

Out: 1347.642+/-1444.957 χ^2/NDF:22.4/23

All: 330.197+/-1057.954 χ^2/NDF: 38.7/43



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4900.261+/-1.814 χ^2/NDF:11251.5/4

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 4962.009+/-1.880 χ^2/NDF:43227.1/3

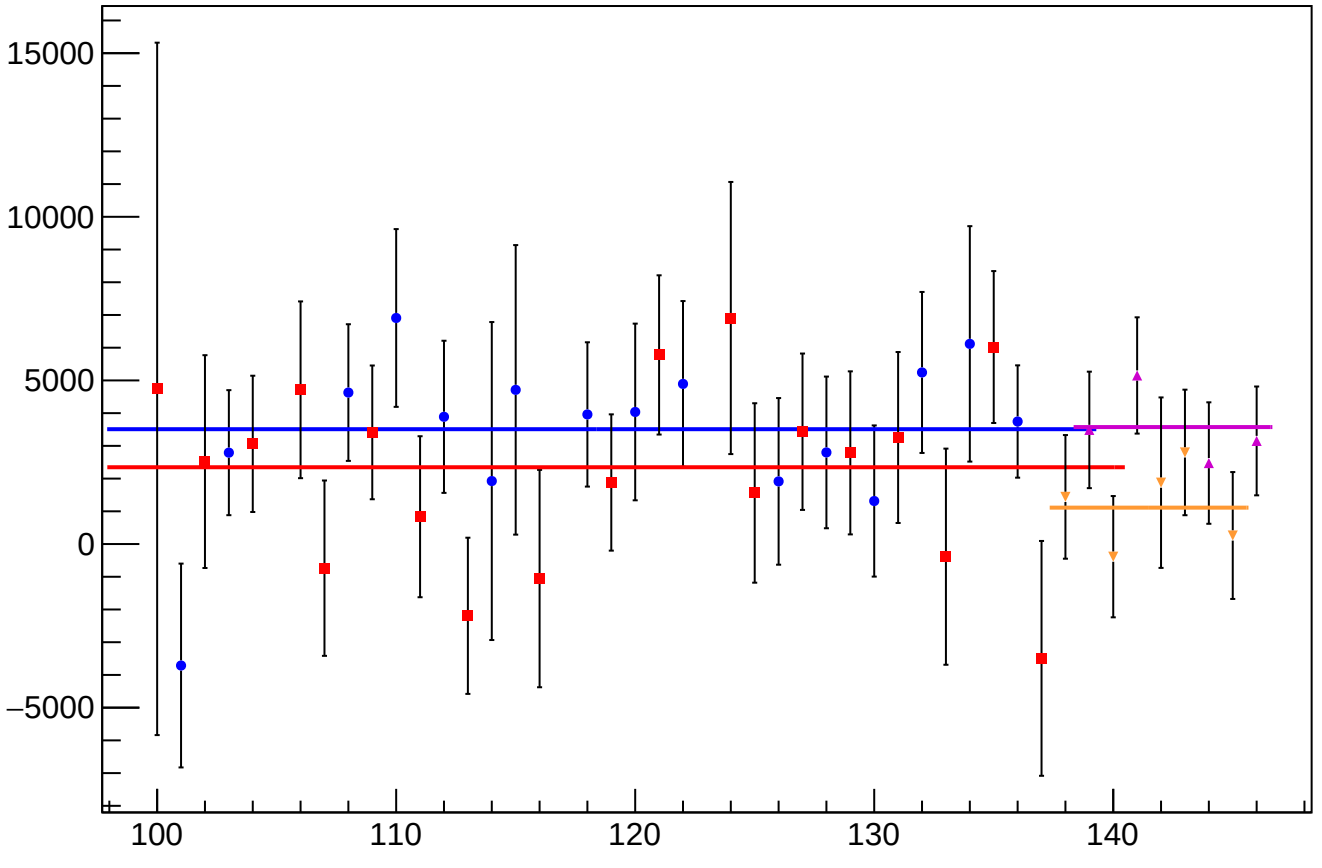
Left: 4930.038+/-1.306 χ^2/NDF: 55037.2/8

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5005.774+/-1.098 χ^2/NDF:609519.2/19

Out: 4716.320+/-1.022 χ^2/NDF:889817.0/23

All: 4850.605+/-0.748 χ^2/NDF: 1536569.3/43



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1112.395+/-892.124 χ^2/NDF:1.7/4

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3574.402+/-882.353 χ^2/NDF:1.2/3

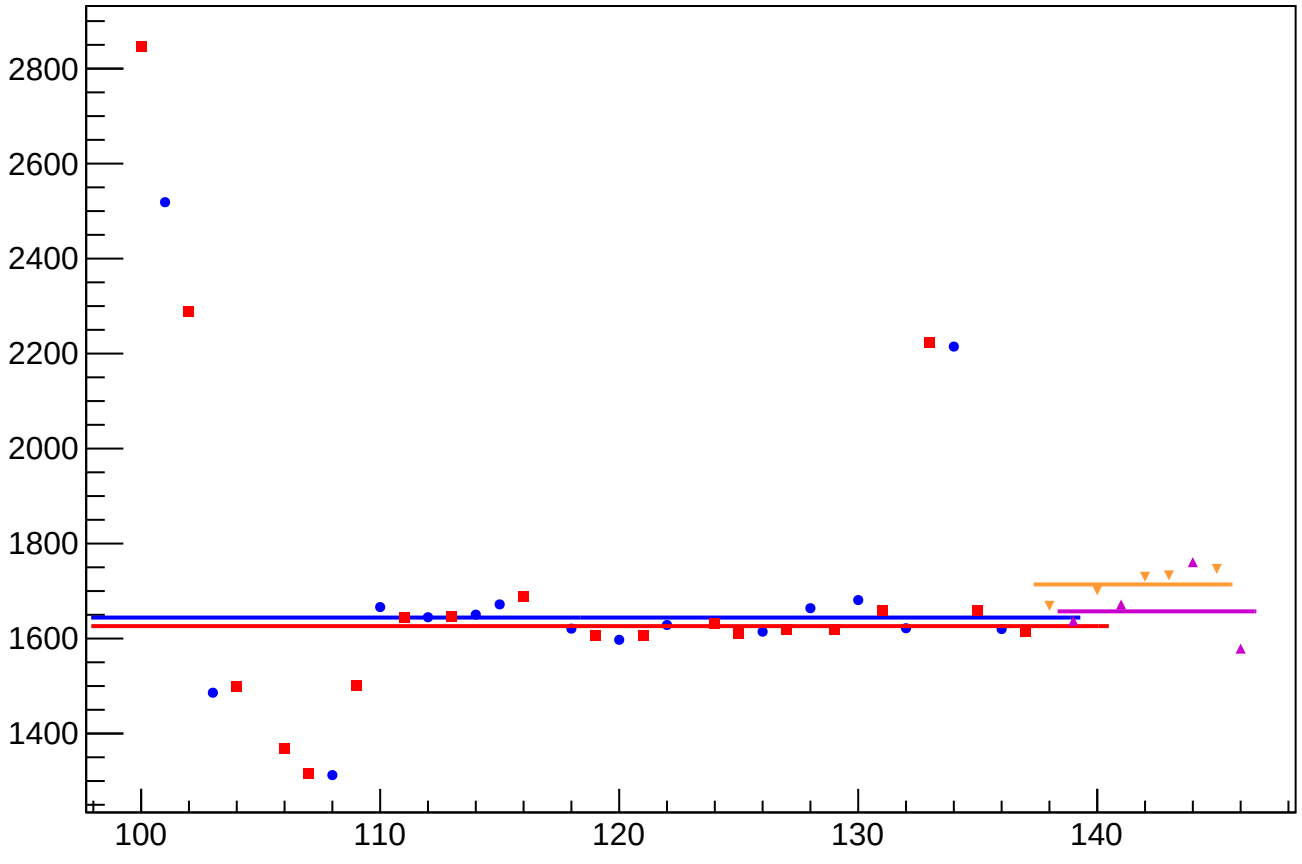
Left: 2356.956+/-627.344 χ^2/NDF: 6.8/8

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3530.807+/-505.488 χ^2/NDF:11.6/19

Out: 1955.780+/-502.135 χ^2/NDF:20.2/23

All: 2738.052+/-356.243 χ^2/NDF: 36.6/43



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1713.905+/-0.631 χ^2/NDF:2069.0/4

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1657.236+/-0.624 χ^2/NDF:11070.6/3

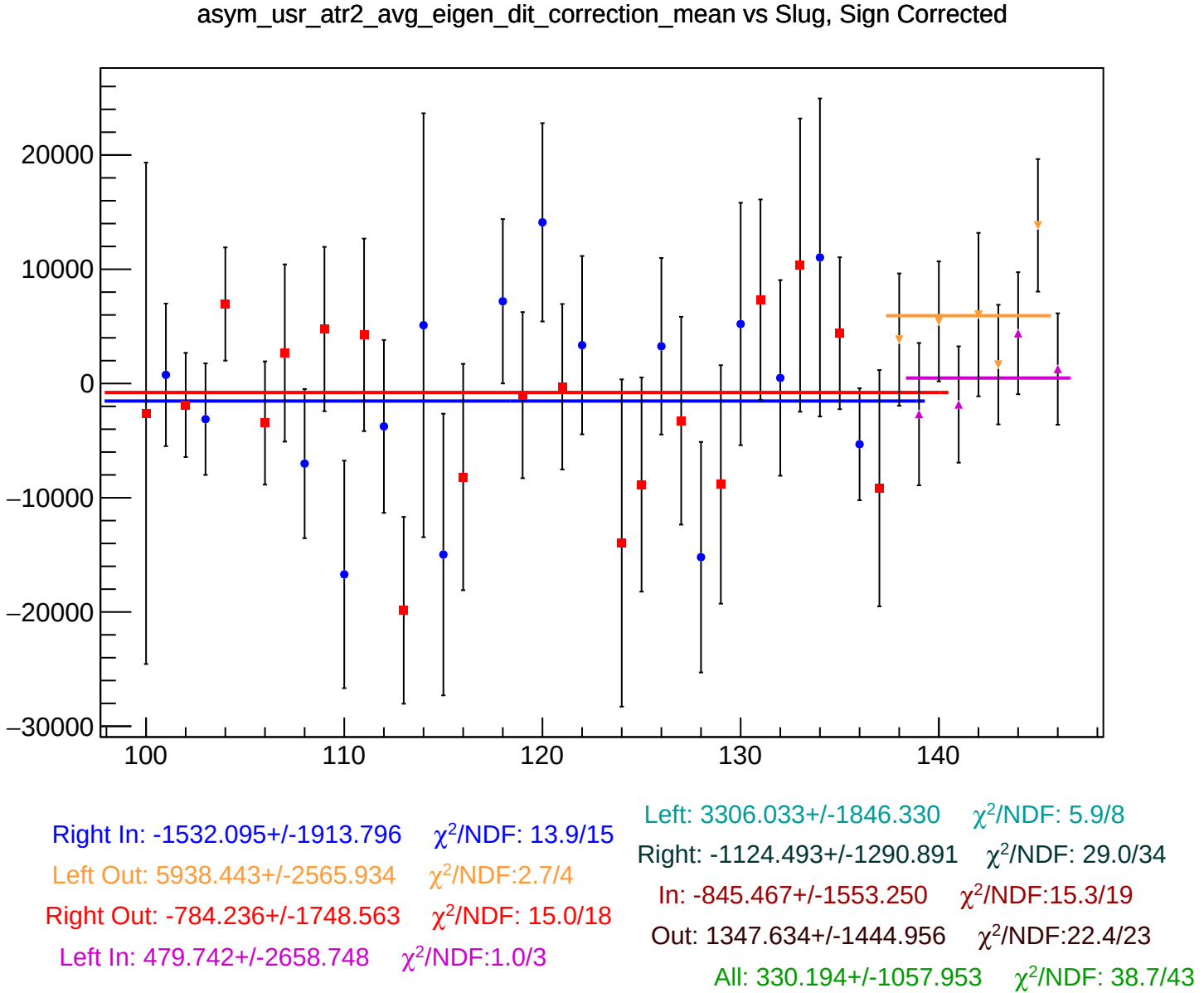
Left: 1685.258+/-0.444 χ^2/NDF: 17219.0/8

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

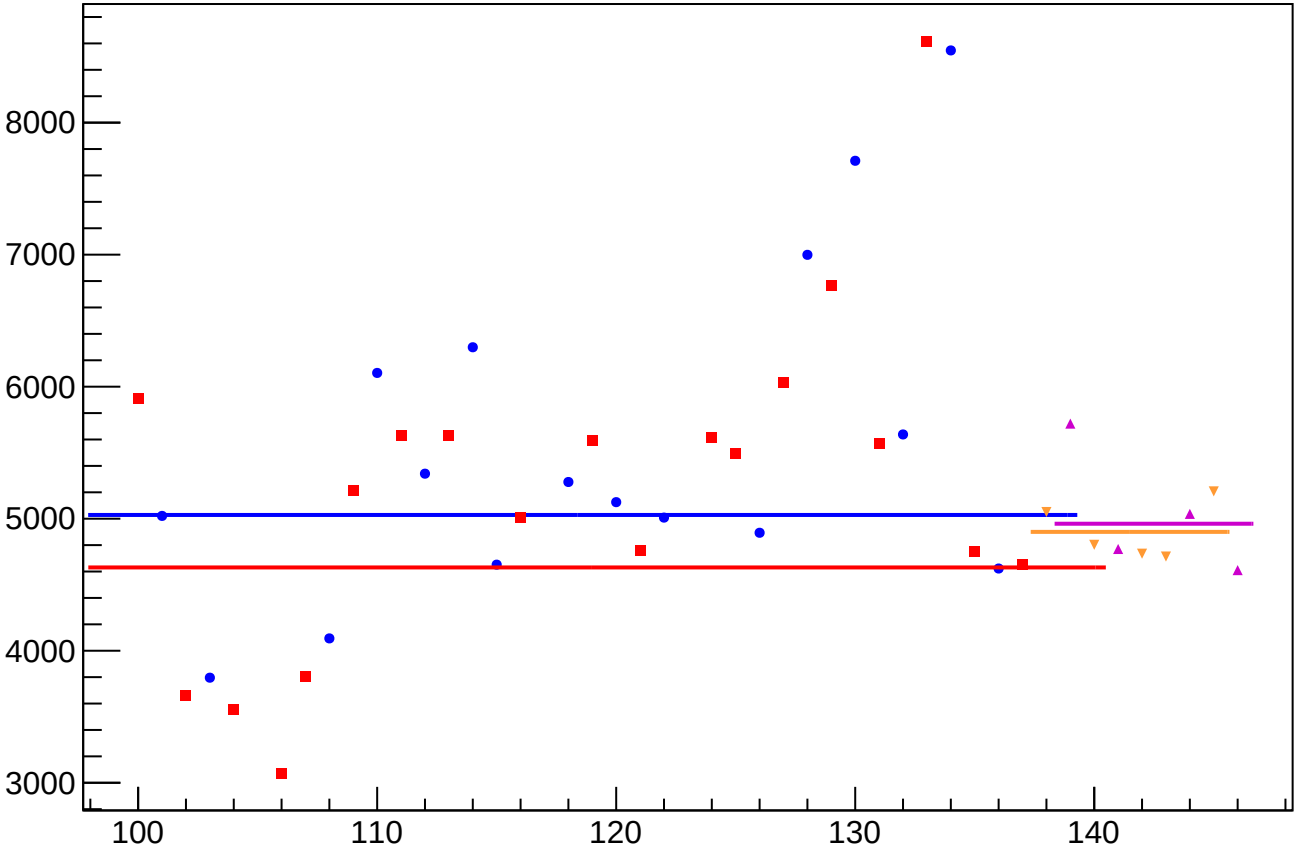
In: 1648.477+/-0.357 χ^2/NDF:286182.1/19

Out: 1653.934+/-0.355 χ^2/NDF:252928.9/23

All: 1651.225+/-0.252 χ^2/NDF: 539228.4/43


asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
Right In: -1532.095+/-1913.796 χ²/NDF: 13.9/15
Left Out: 5938.443+/-2565.934 χ²/NDF:2.7/4
Right Out: -784.236+/-1748.563 χ²/NDF: 15.0/18
Left In: 479.742+/-2658.748 χ²/NDF:1.0/3
Left: 3306.033+/-1846.330 χ²/NDF: 5.9/8
Right: -1124.493+/-1290.891 χ²/NDF: 29.0/34
In: -845.467+/-1553.250 χ²/NDF:15.3/19
Out: 1347.634+/-1444.956 χ²/NDF:22.4/23
All: 330.194+/-1057.953 χ²/NDF: 38.7/43

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4900.268+/-1.814 χ^2/NDF:11251.8/4

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 4962.016+/-1.880 χ^2/NDF:43227.7/3

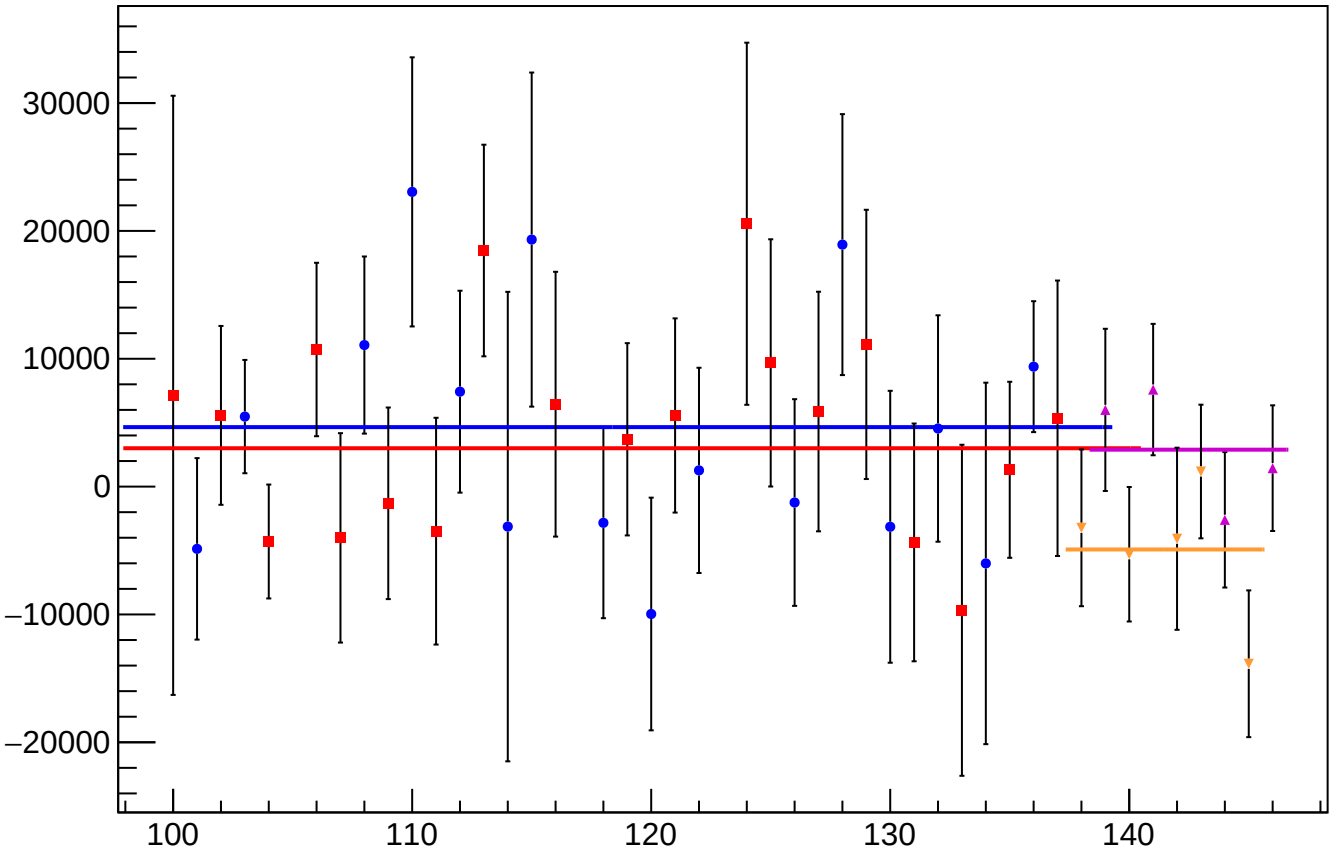
Left: 4930.045+/-1.306 χ^2/NDF: 55038.0/8

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5005.772+/-1.098 χ^2/NDF:609513.2/19

Out: 4716.317+/-1.022 χ^2/NDF:889812.9/23

All: 4850.603+/-0.748 χ^2/NDF: 1536559.3/43



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -4917.913+/-2587.090 χ^2/NDF:3.9/4

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2888.571+/-2674.709 χ^2/NDF:2.2/3

Left: -1144.627+/-1859.553 χ^2/NDF: 10.5/8

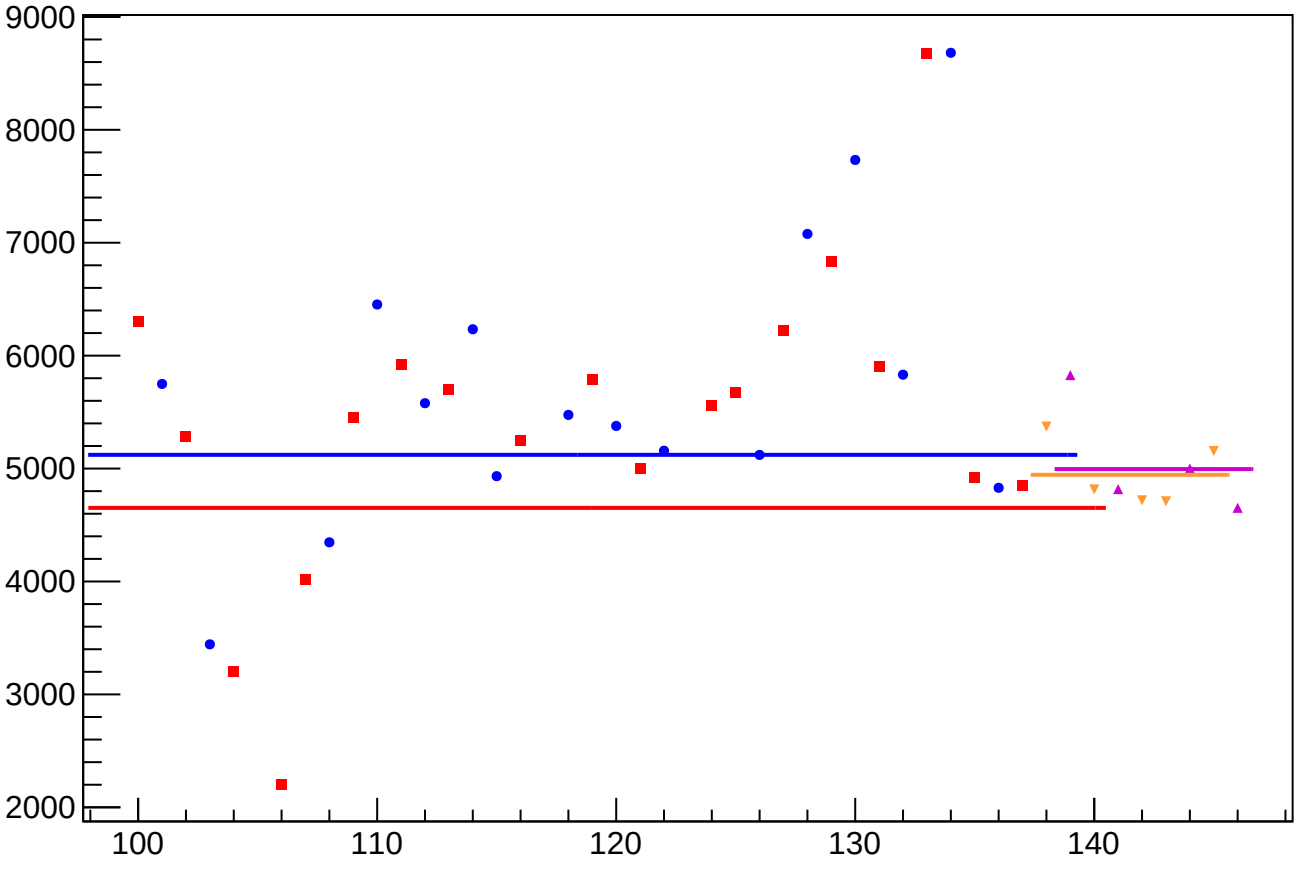
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 4037.259+/-1580.173 χ^2/NDF:18.0/19

Out: 258.994+/-1522.341 χ^2/NDF:23.9/23

All: 2077.722+/-1096.333 χ^2/NDF: 44.9/43

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4944.784+/-1.829 χ^2/NDF:19633.5/4

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 4995.298+/-1.891 χ^2/NDF:46552.8/3

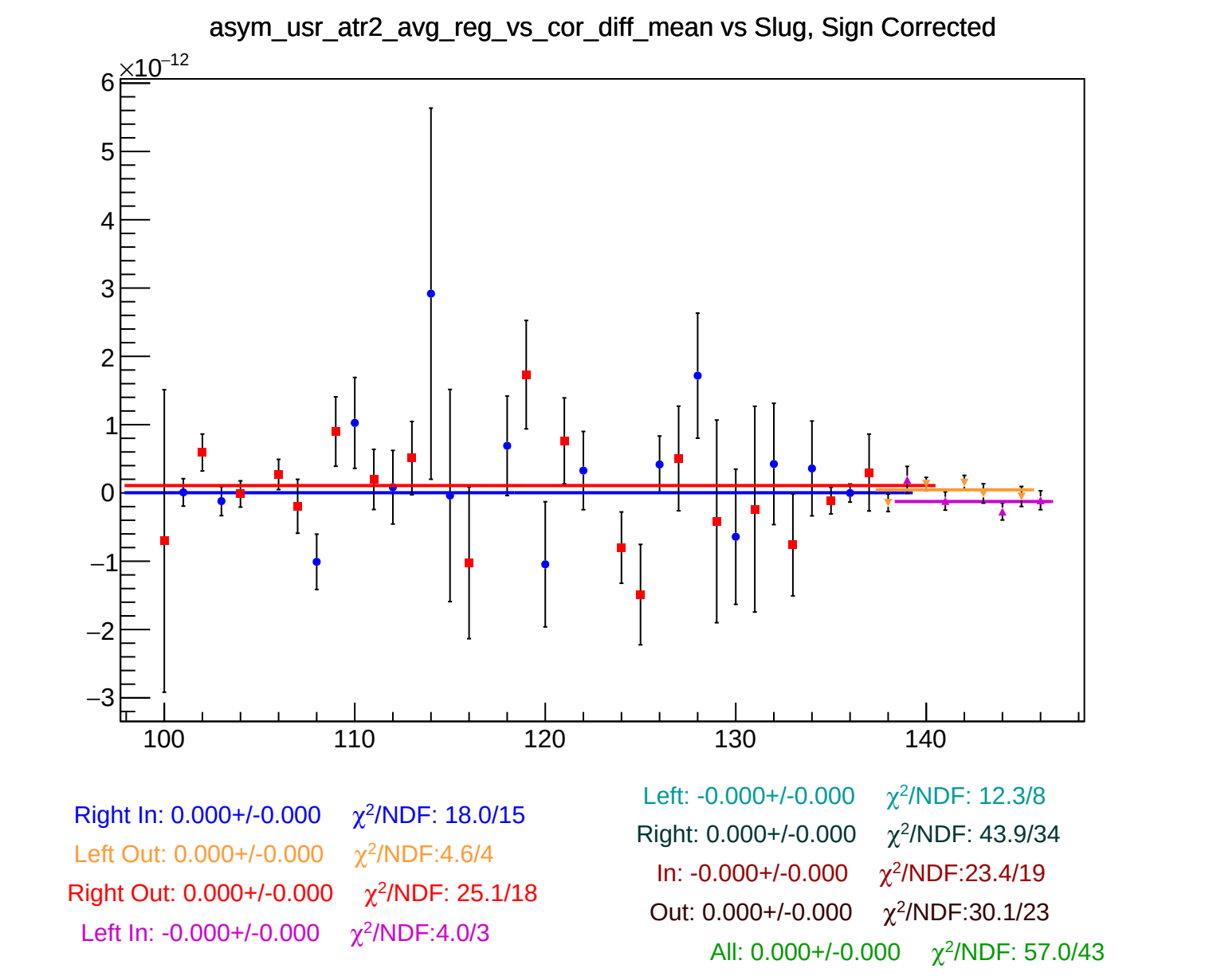
Left: 4969.200+/-1.315 χ^2/NDF: 66554.8/8

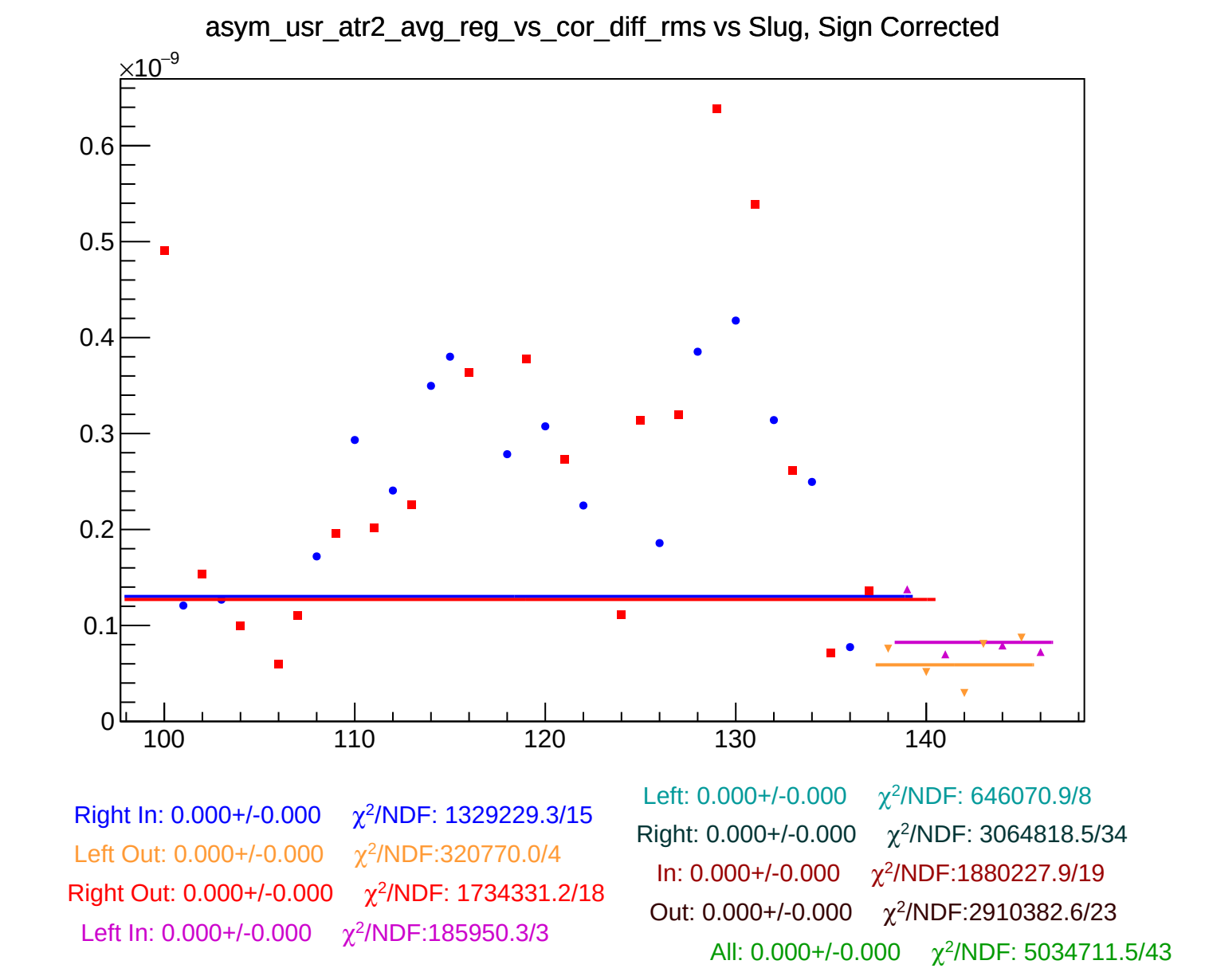
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

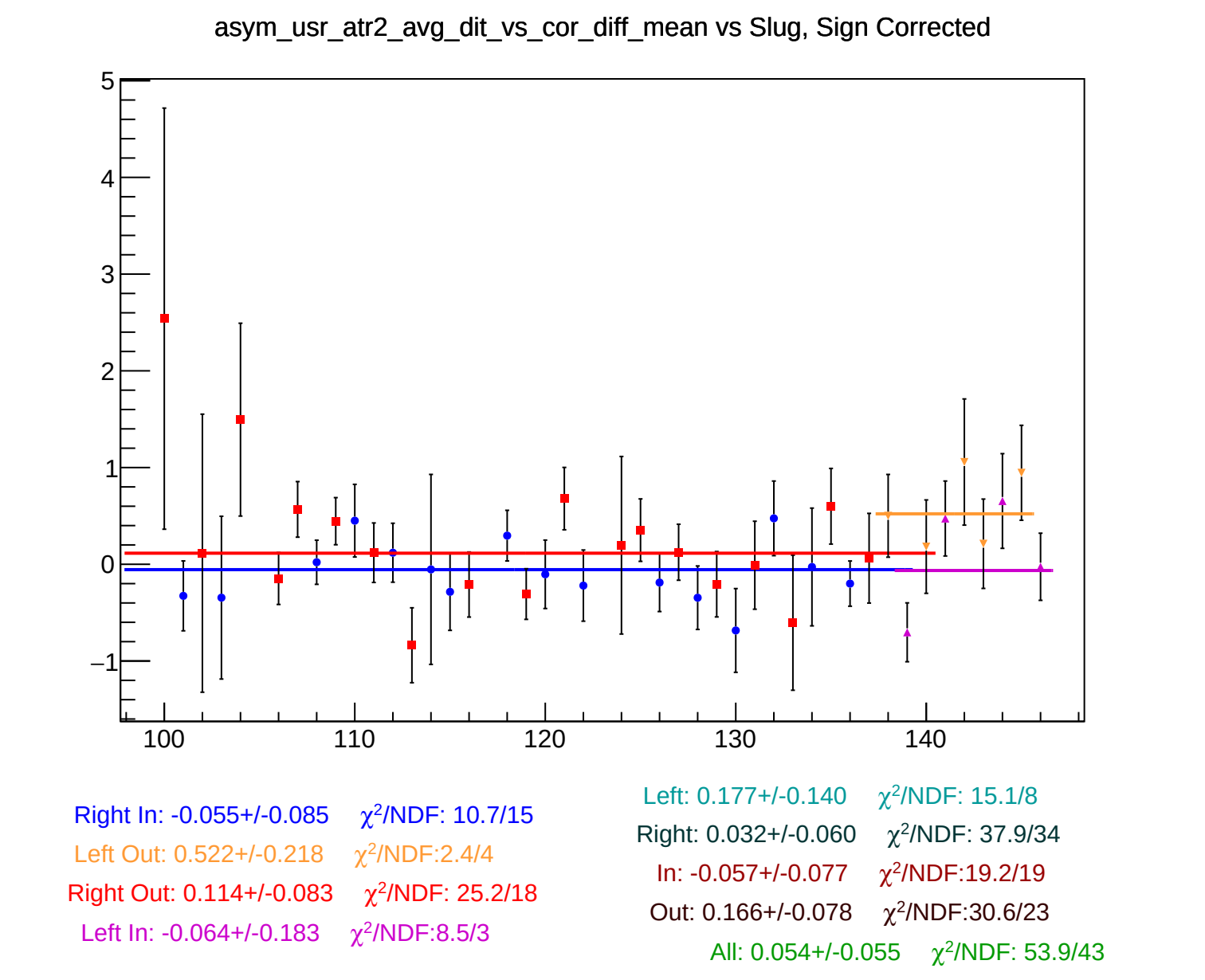
In: 5077.546+/-1.117 χ^2/NDF:769828.0/19

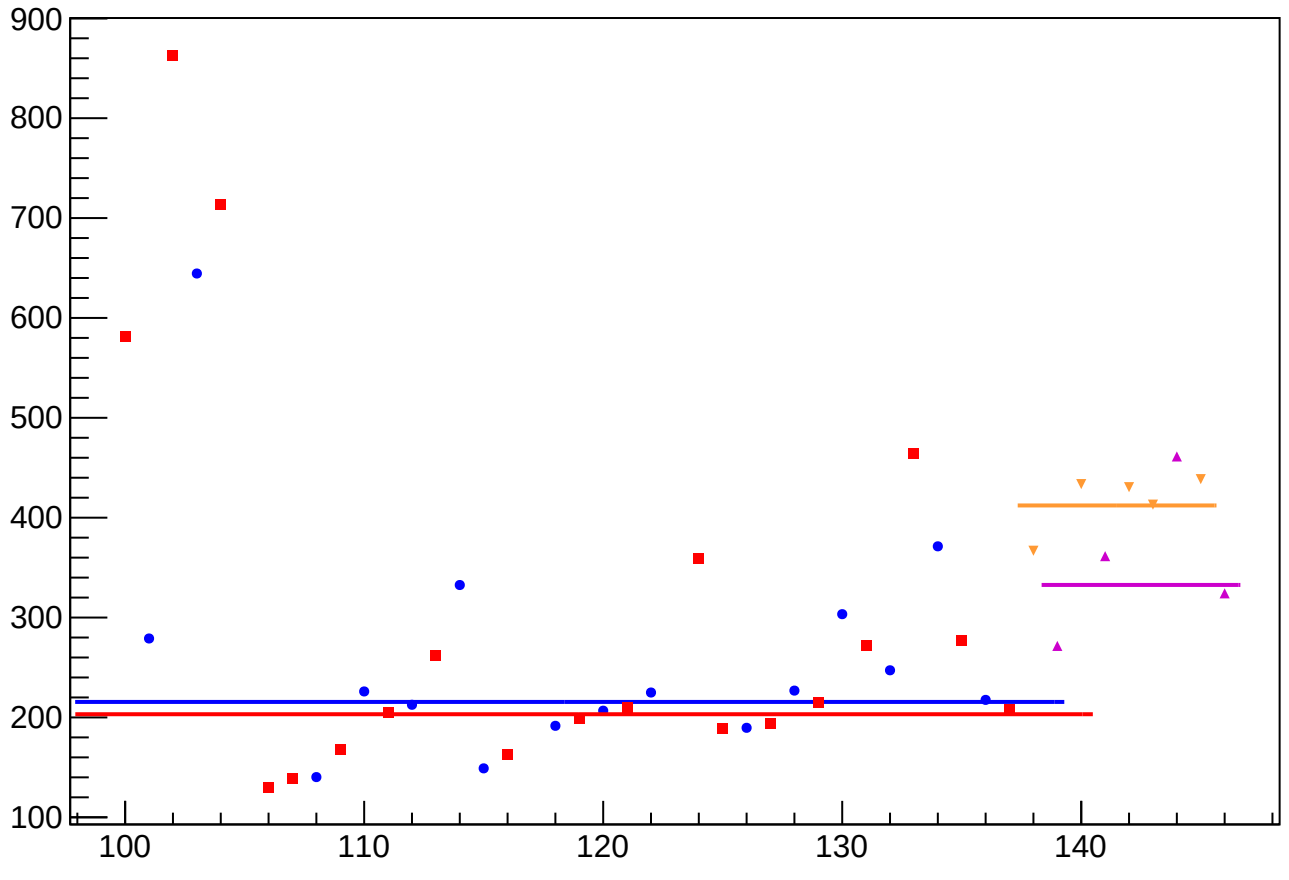
Out: 4748.082+/-1.049 χ^2/NDF:1381726.7/23

All: 4902.423+/-0.765 χ^2/NDF: 2197768.5/43


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:4.0/3
Left: -0.000+/-0.000 χ²/NDF: 12.3/8
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:23.4/19
Out: 0.000+/-0.000 χ²/NDF:30.1/23
All: 0.000+/-0.000 χ²/NDF: 57.0/43


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:320770.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:185950.3/3
Left: 0.000+/-0.000 χ²/NDF: 646070.9/8
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:1880227.9/19
Out: 0.000+/-0.000 χ²/NDF:2910382.6/23
All: 0.000+/-0.000 χ²/NDF: 5034711.5/43


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.522+/-0.218 χ²/NDF:2.4/4
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.064+/-0.183 χ²/NDF:8.5/3
Left: 0.177+/-0.140 χ²/NDF: 15.1/8
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.057+/-0.077 χ²/NDF:19.2/19
Out: 0.166+/-0.078 χ²/NDF:30.6/23
All: 0.054+/-0.055 χ²/NDF: 53.9/43



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 412.244+/-0.154 χ^2/NDF:33737.9/4

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 332.658+/-0.129 χ^2/NDF:230888.5/3

Left: 365.422+/-0.099 χ^2/NDF: 420743.0/8

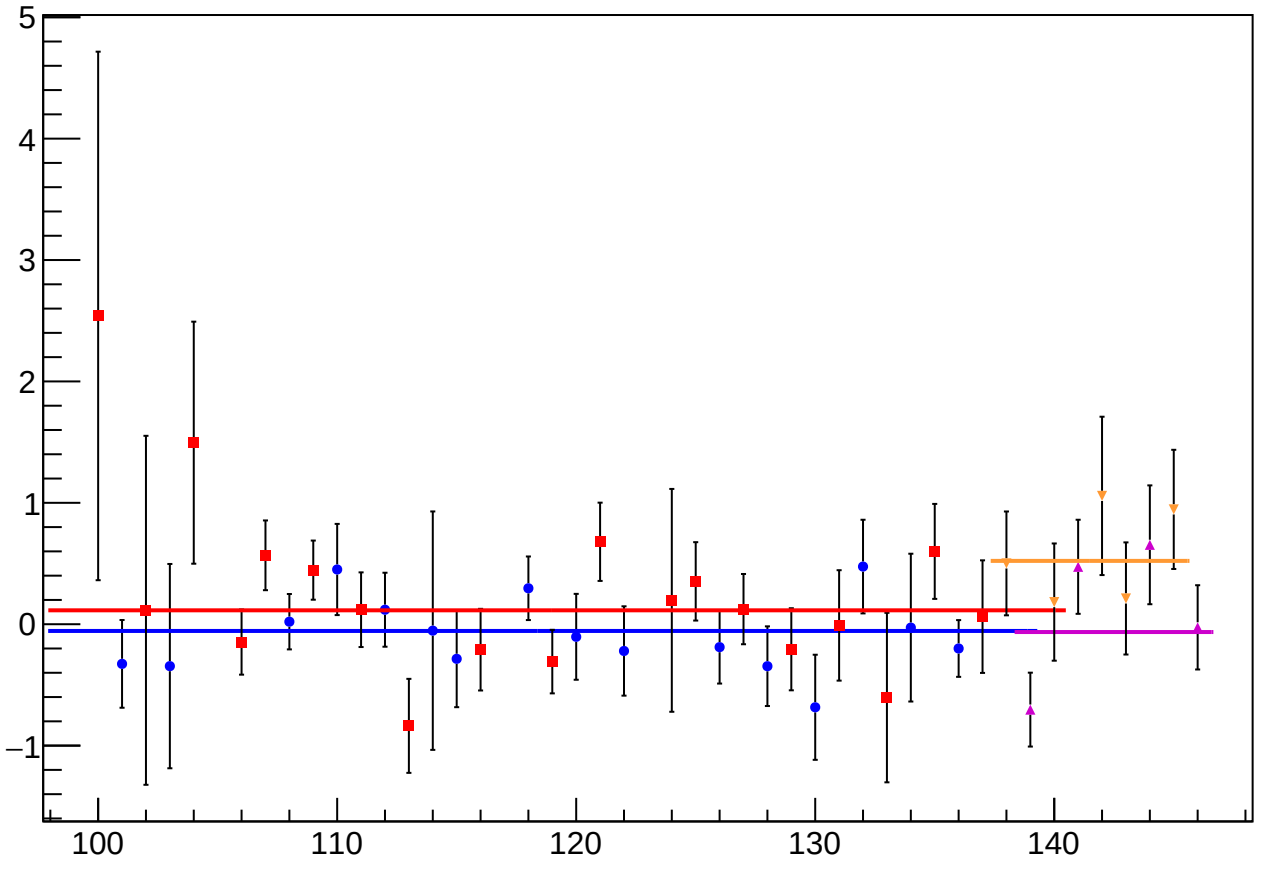
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 236.539+/-0.055 χ^2/NDF:2053724.8/19

Out: 229.688+/-0.055 χ^2/NDF:3468014.3/23

All: 233.128+/-0.039 χ^2/NDF: 5529533.5/43

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.522+/-0.218 χ^2/NDF:2.4/4

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.064+/-0.183 χ^2/NDF:8.5/3

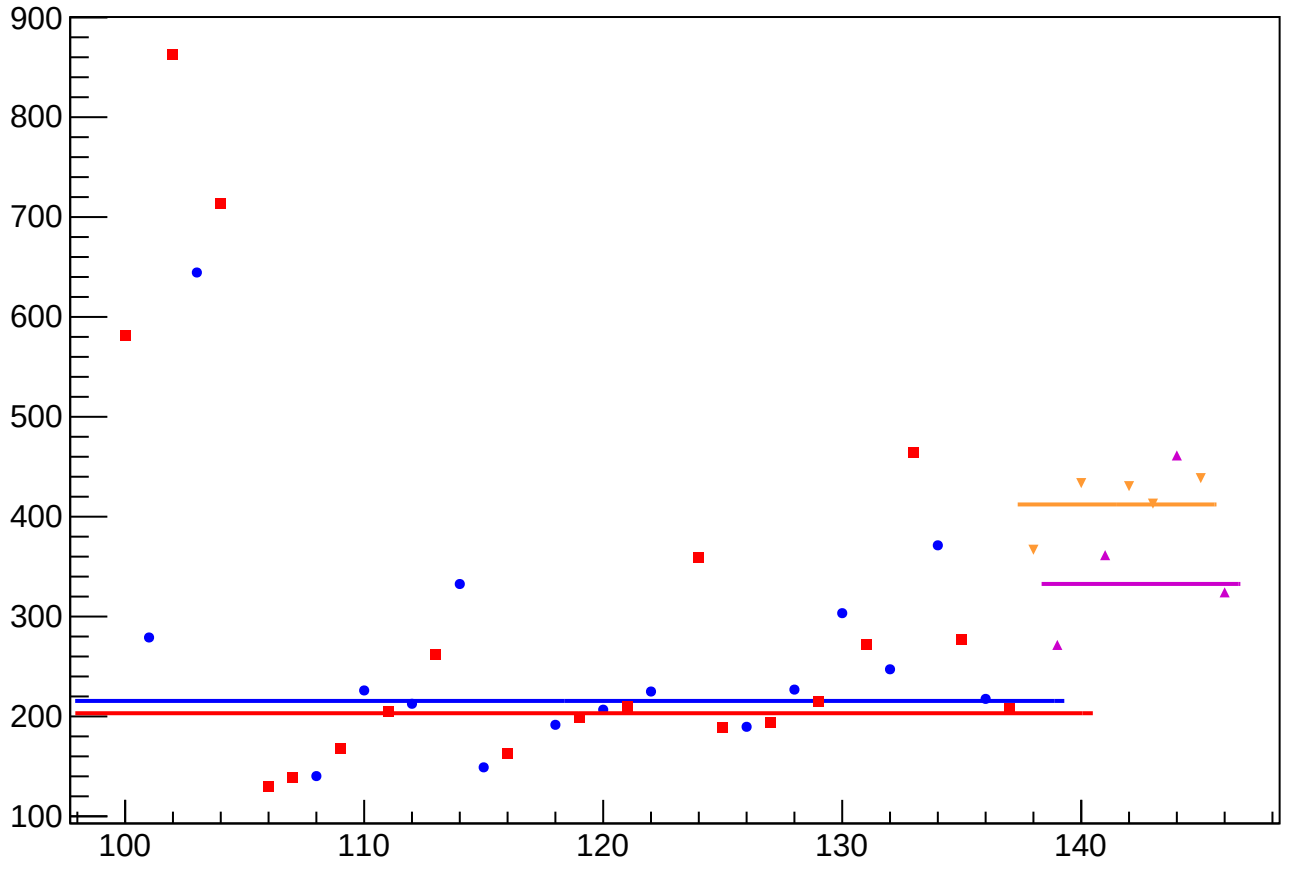
Left: 0.177+/-0.140 χ^2/NDF: 15.1/8

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.057+/-0.077 χ^2/NDF:19.2/19

Out: 0.166+/-0.078 χ^2/NDF:30.6/23

All: 0.054+/-0.055 χ^2/NDF: 53.9/43



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 412.244+/-0.154 χ^2/NDF:33737.9/4

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 332.658+/-0.129 χ^2/NDF:230888.5/3

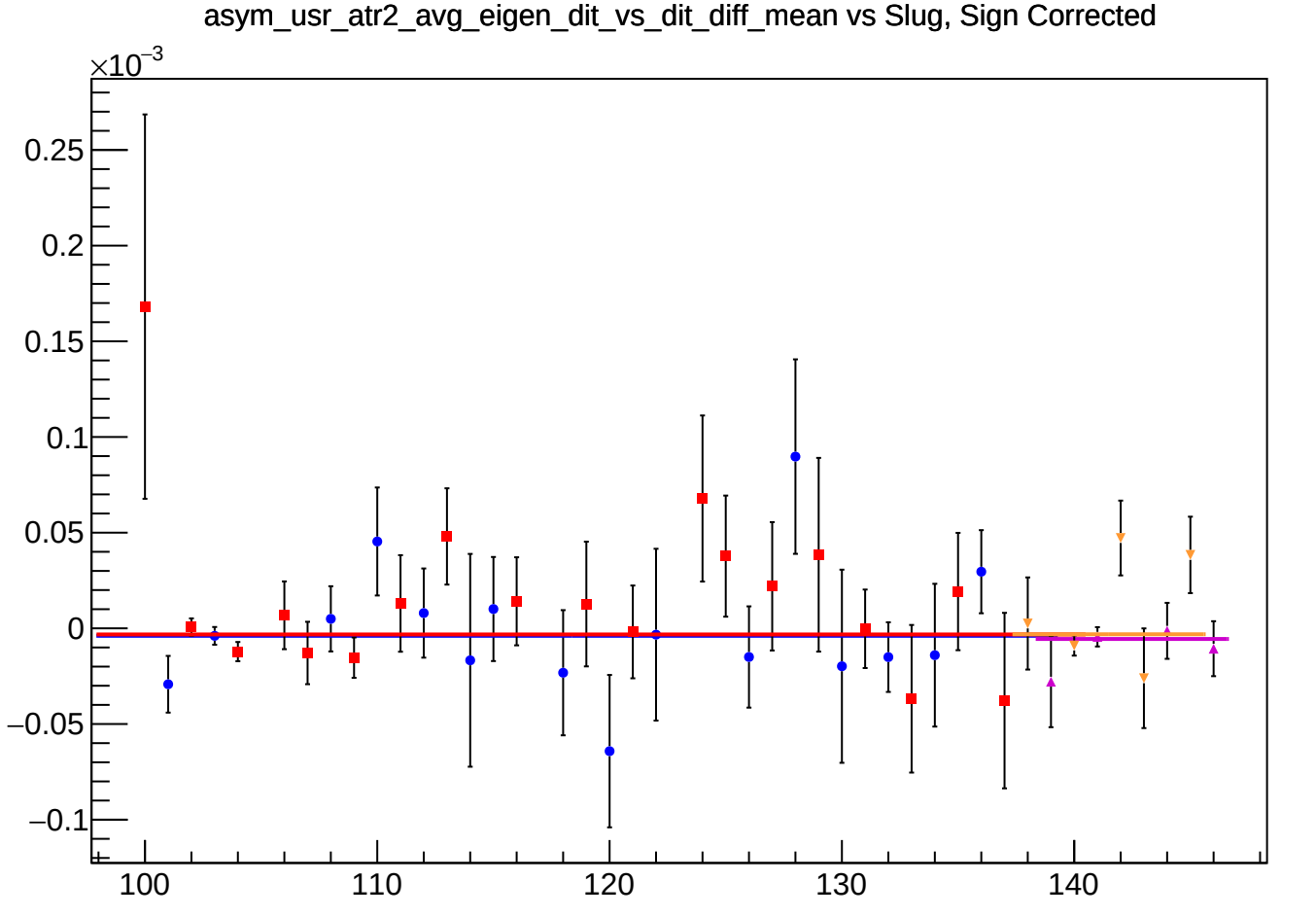
Left: 365.422+/-0.099 χ^2/NDF: 420743.0/8

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 236.539+/-0.055 χ^2/NDF:2053724.8/19

Out: 229.688+/-0.055 χ^2/NDF:3468014.3/23

All: 233.128+/-0.039 χ^2/NDF: 5529533.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

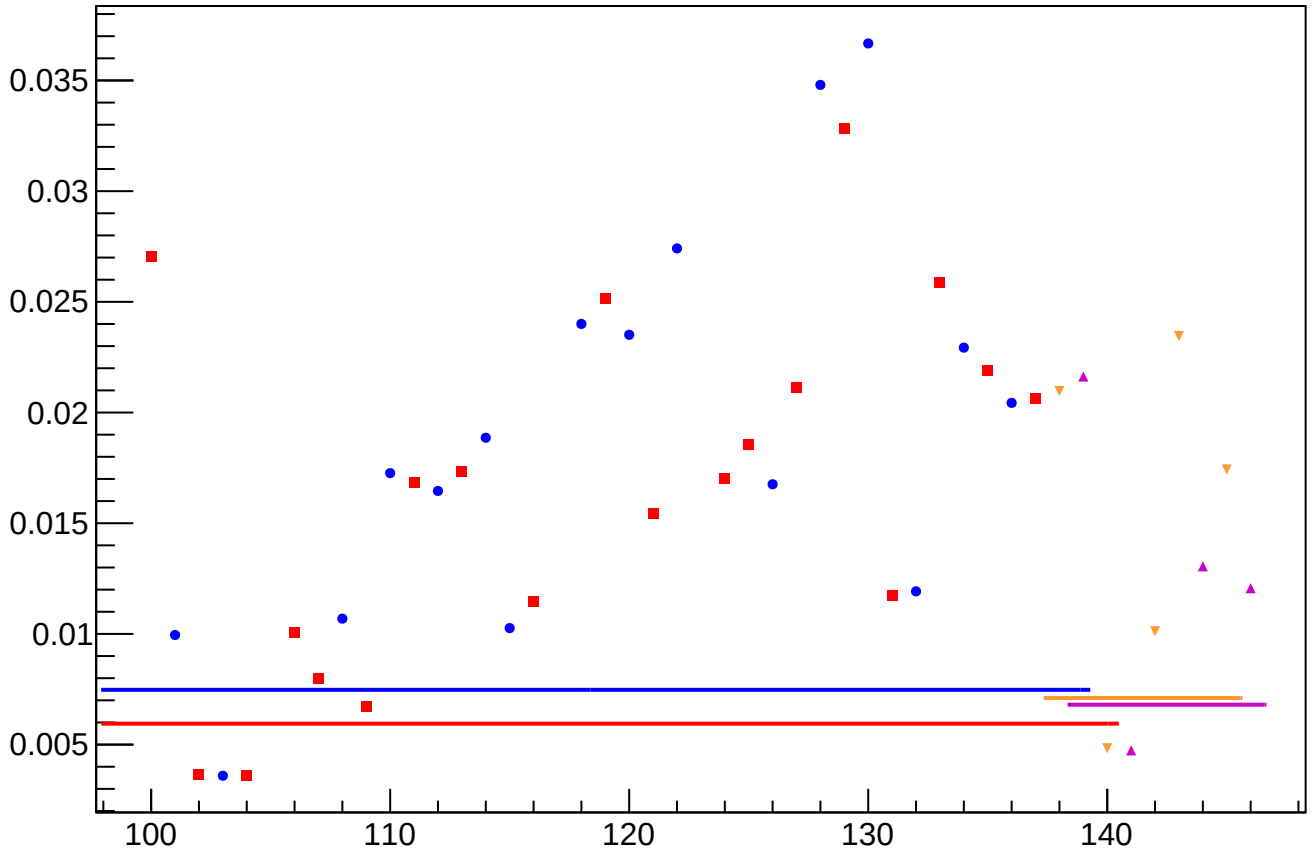
Left: -0.000+/-0.000 χ^2/NDF: 14.3/8

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: -0.000+/-0.000 χ^2/NDF:17.2/19

Out: -0.000+/-0.000 χ^2/NDF:34.7/23

All: -0.000+/-0.000 χ^2/NDF: 52.0/43



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:2406204.6/4

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1743100.3/3

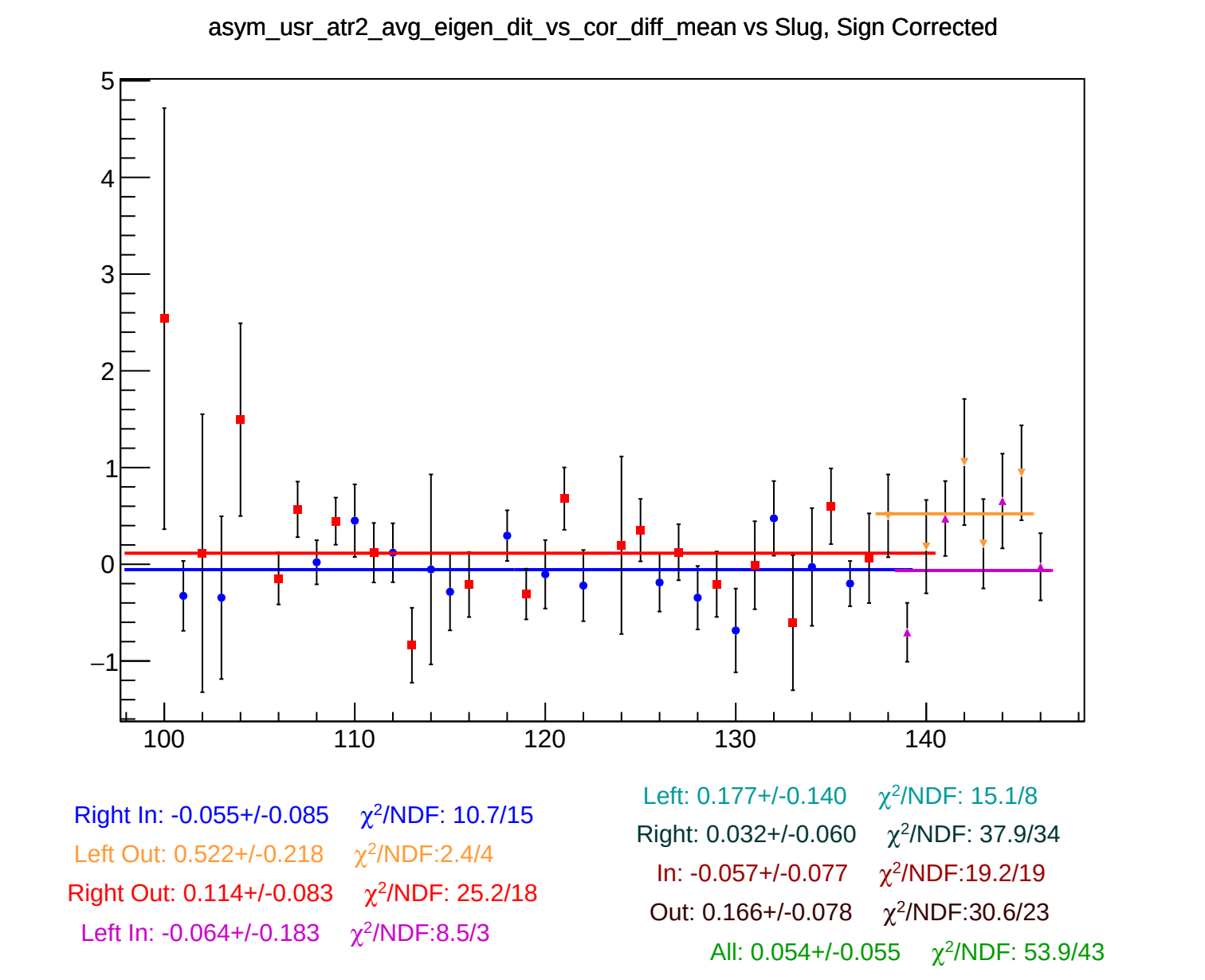
Left: 0.007+/-0.000 χ^2/NDF: 4153654.2/8

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:7845822.8/19

Out: 0.006+/-0.000 χ^2/NDF:8426978.9/23

All: 0.007+/-0.000 χ^2/NDF: 16392954.4/43


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
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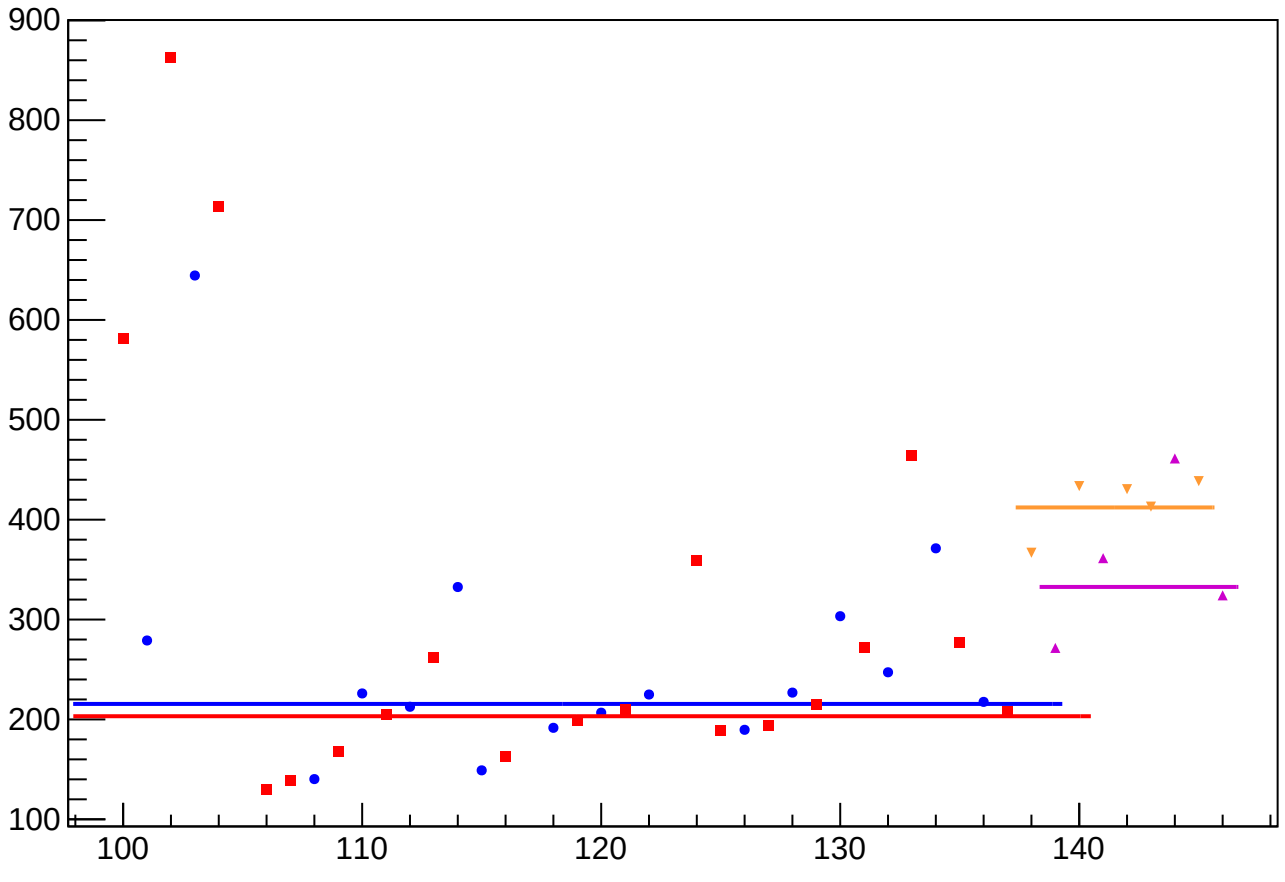
2
1
0
−1
100
110
120
130
140
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.522+/-0.218 χ²/NDF:2.4/4
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.064+/-0.183 χ²/NDF:8.5/3
Left: 0.177+/-0.140 χ²/NDF: 15.1/8
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.057+/-0.077 χ²/NDF:19.2/19
Out: 0.166+/-0.078 χ²/NDF:30.6/23
All: 0.054+/-0.055 χ²/NDF: 53.9/43



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 412.249+/-0.155 χ^2/NDF:33735.0/4

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 332.662+/-0.129 χ^2/NDF:230879.2/3

Left: 365.426+/-0.099 χ^2/NDF: 420728.3/8

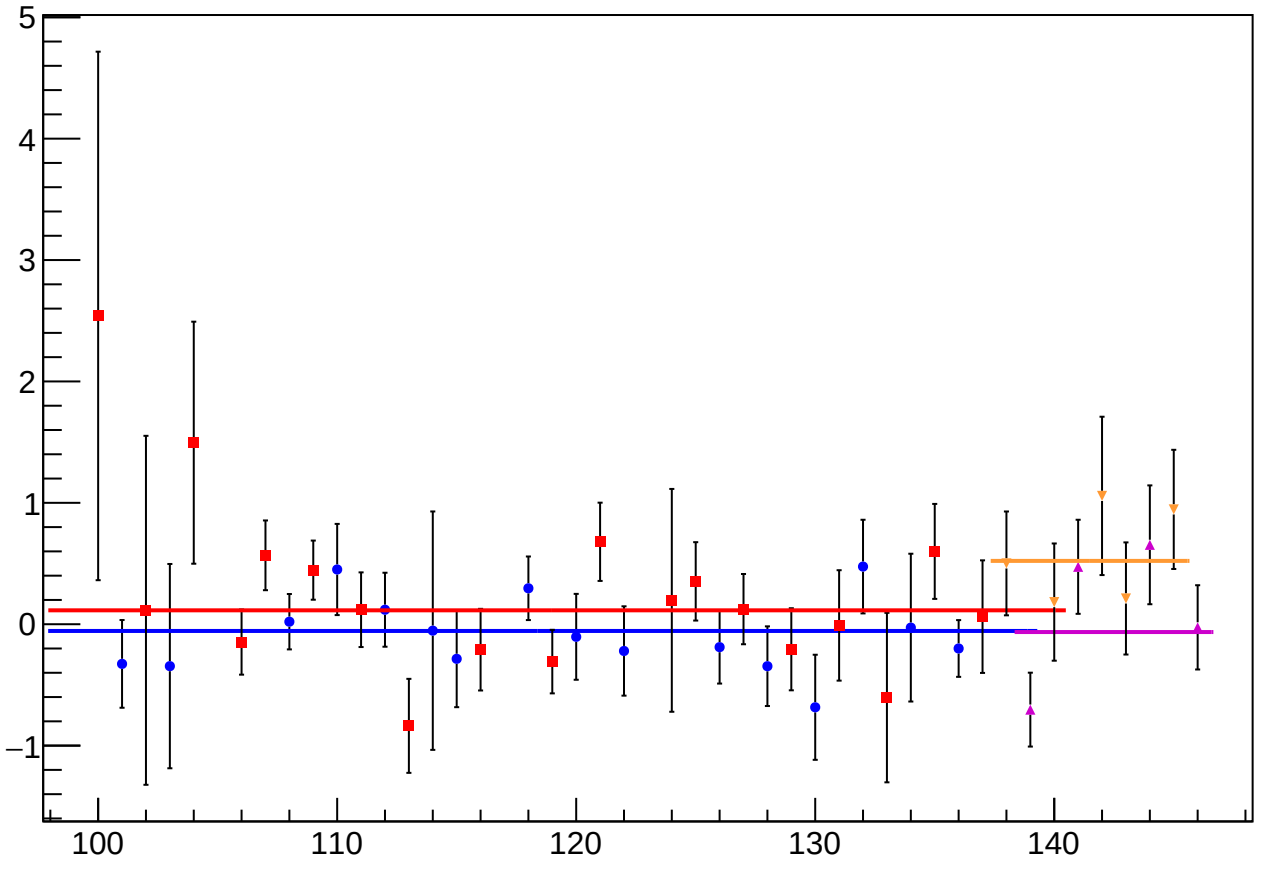
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 236.538+/-0.055 χ^2/NDF:2053742.6/19

Out: 229.686+/-0.055 χ^2/NDF:3468062.5/23

All: 233.127+/-0.039 χ^2/NDF: 5529601.2/43

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.522+/-0.218 χ^2/NDF:2.4/4

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.064+/-0.183 χ^2/NDF:8.5/3

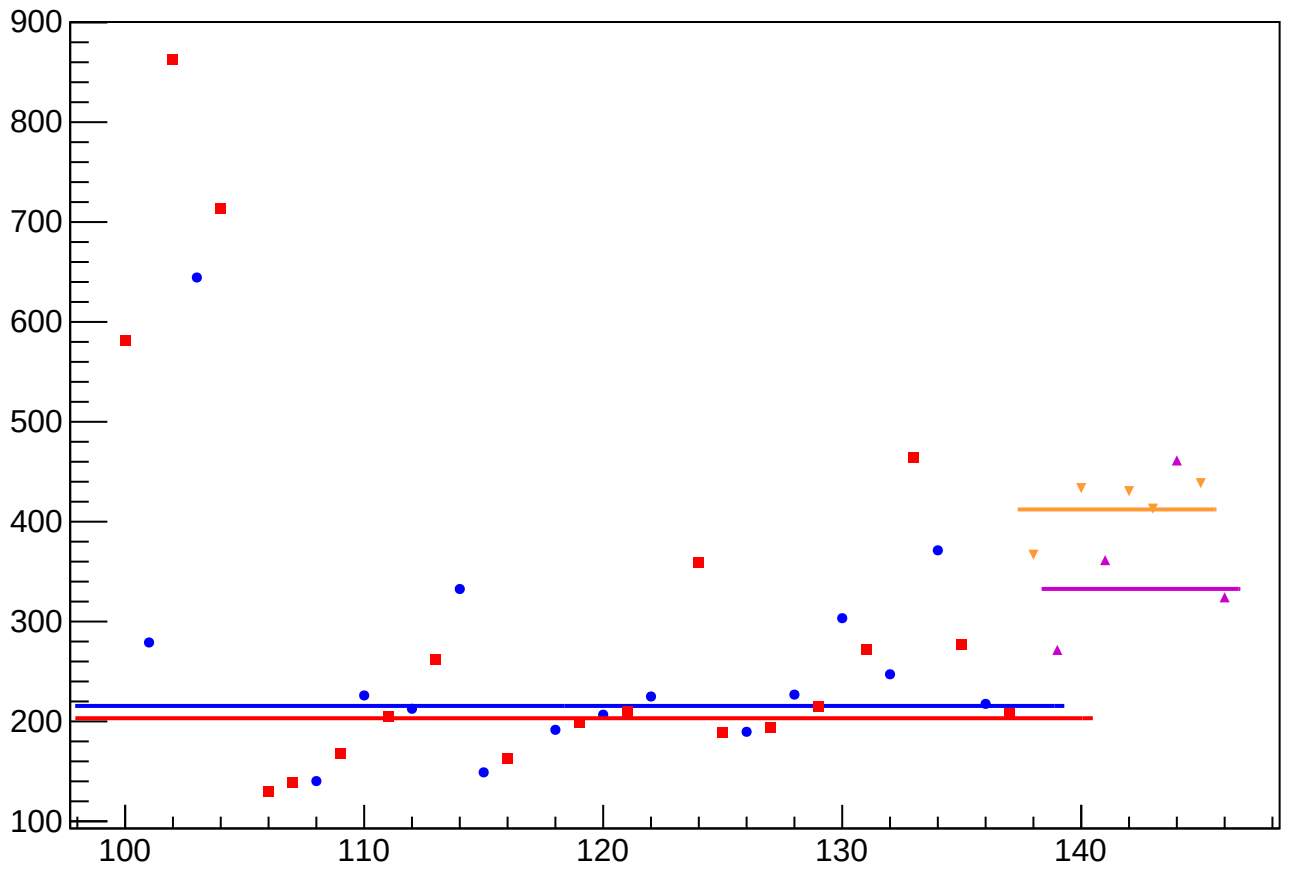
Left: 0.177+/-0.140 χ^2/NDF: 15.1/8

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.057+/-0.077 χ^2/NDF:19.2/19

Out: 0.166+/-0.078 χ^2/NDF:30.6/23

All: 0.054+/-0.055 χ^2/NDF: 53.9/43



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 412.249+/-0.155 χ^2/NDF:33735.0/4

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 332.662+/-0.129 χ^2/NDF:230879.2/3

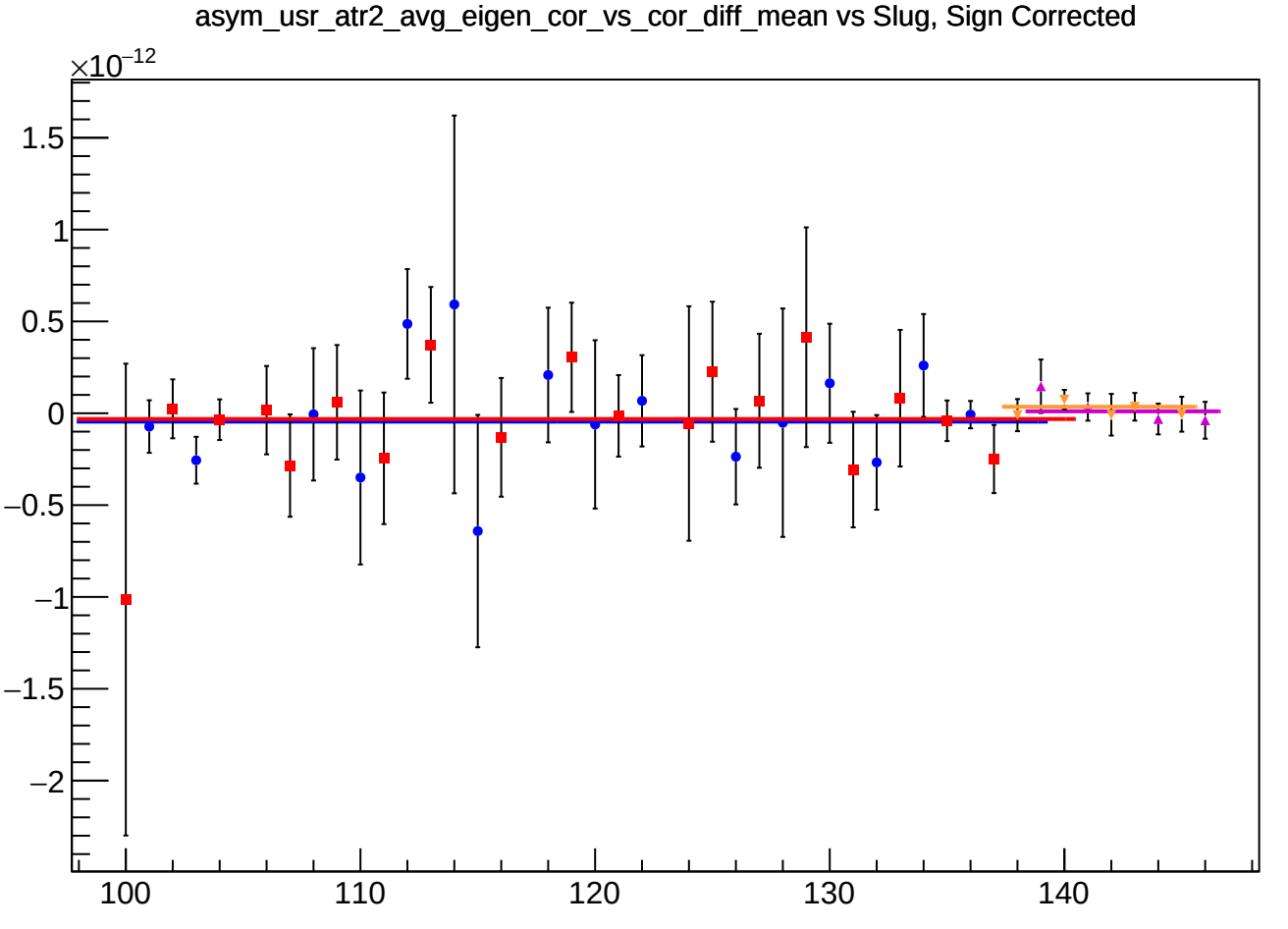
Left: 365.426+/-0.099 χ^2/NDF: 420728.3/8

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 236.538+/-0.055 χ^2/NDF:2053742.6/19

Out: 229.686+/-0.055 χ^2/NDF:3468062.5/23

All: 233.127+/-0.039 χ^2/NDF: 5529601.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/3

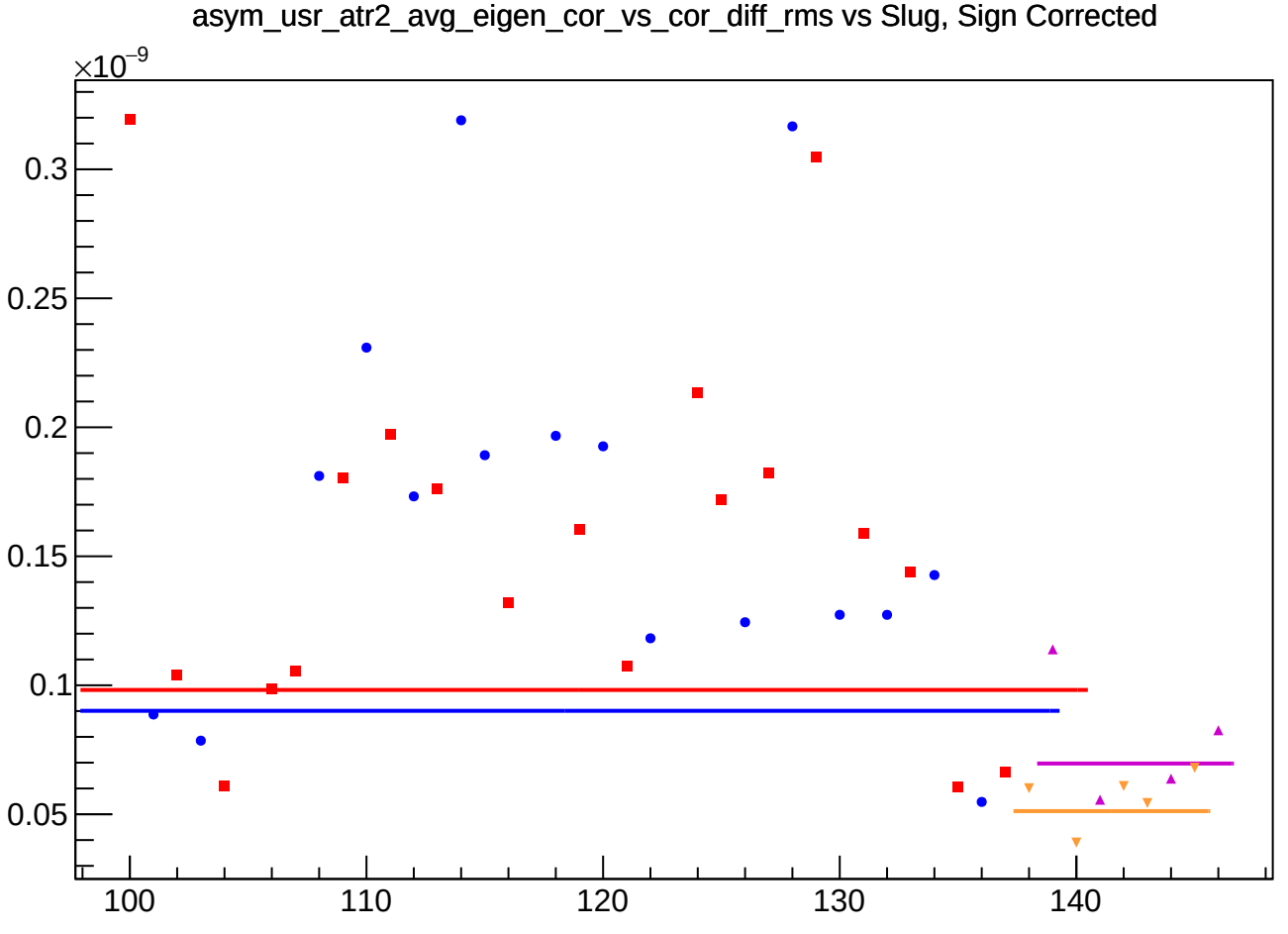
Left: 0.000+/-0.000 χ^2/NDF: 2.8/8

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:13.6/19

Out: 0.000+/-0.000 χ^2/NDF:10.6/23

All: 0.000+/-0.000 χ^2/NDF: 24.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:206959.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:298431.5/3

Left: 0.000+/-0.000 χ^2/NDF: 711228.5/8

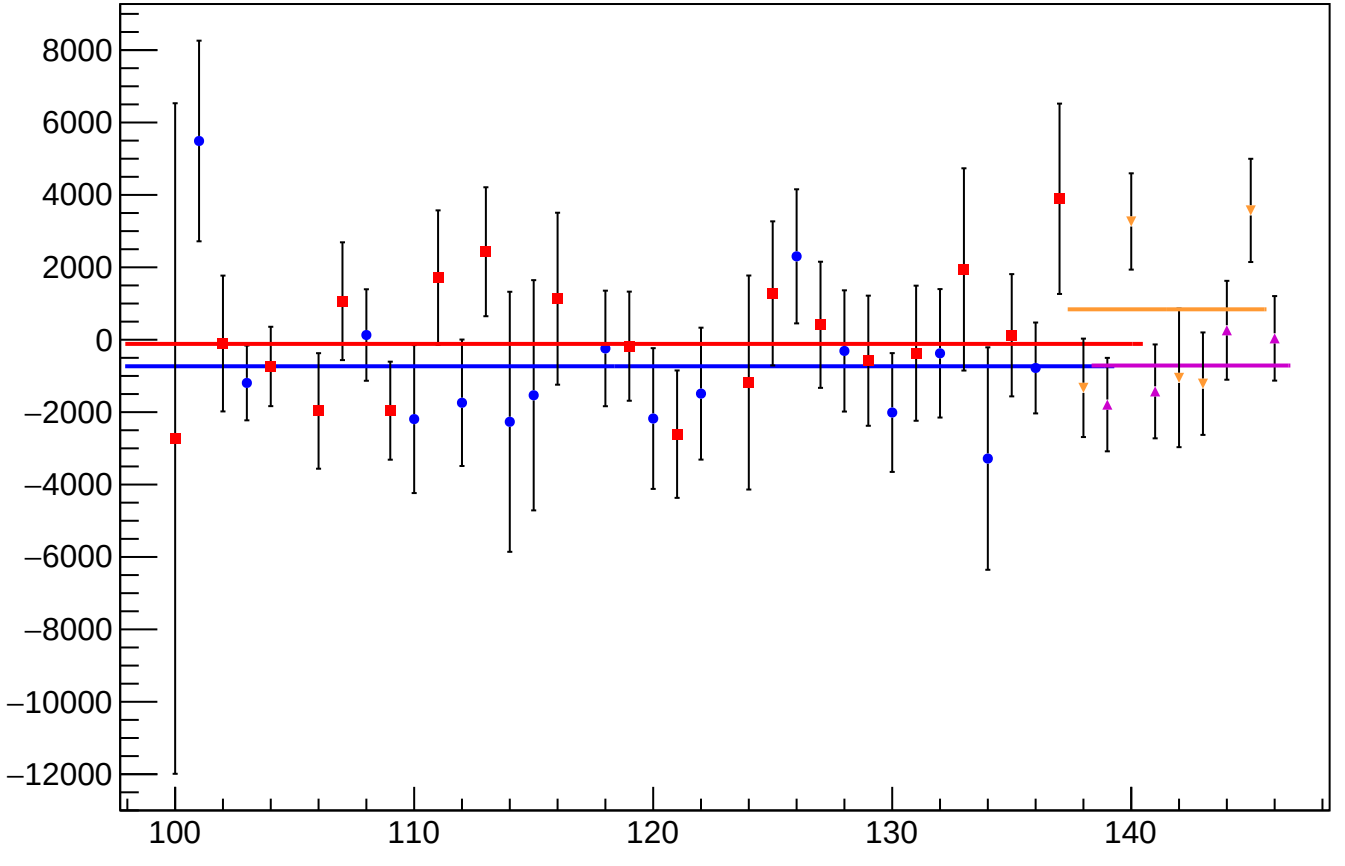
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:2286704.6/19

Out: 0.000+/-0.000 χ^2/NDF:3036899.8/23

All: 0.000+/-0.000 χ^2/NDF: 5513301.7/43

reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 840.007+/-649.446 χ^2/NDF:12.6/4

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -712.311+/-636.971 χ^2/NDF:1.9/3

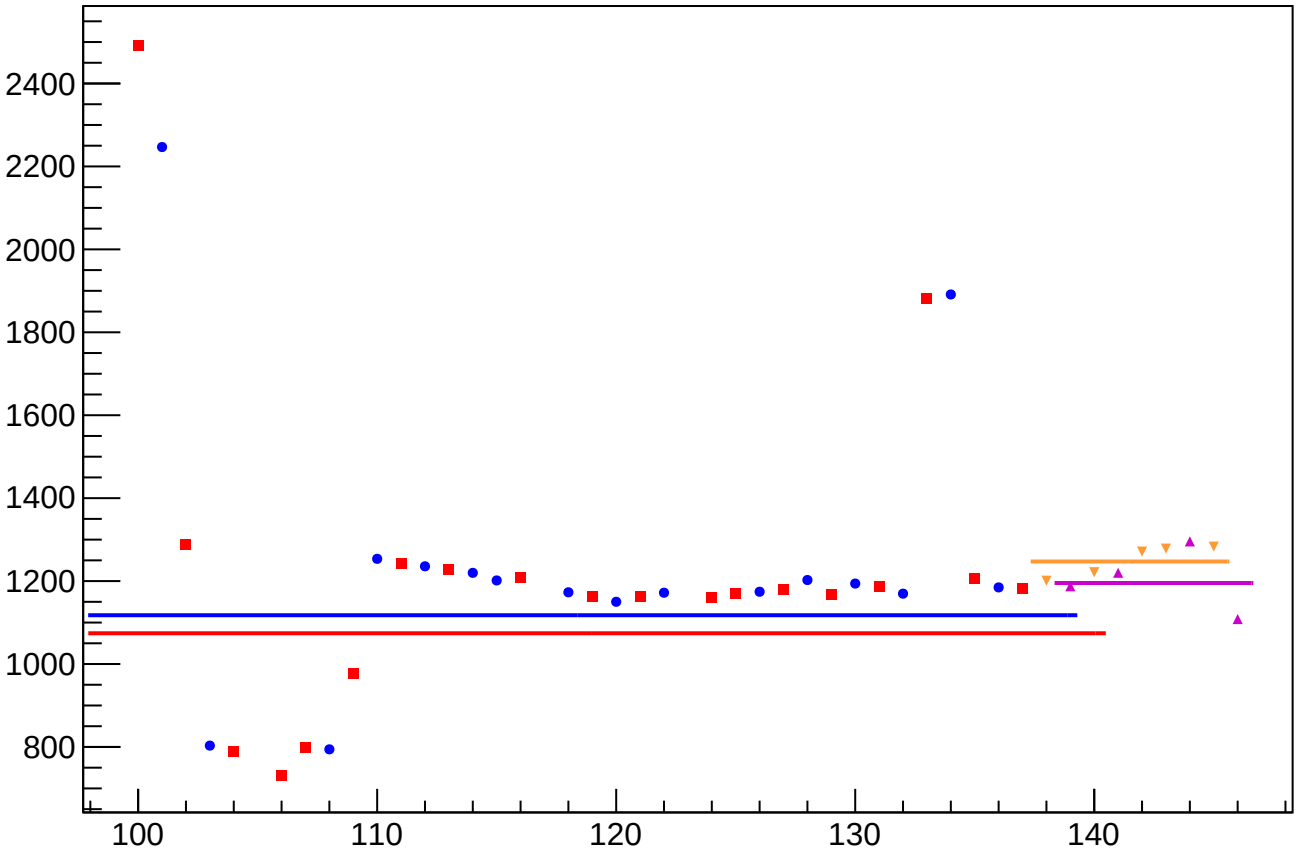
Left: 48.796+/-454.753 χ^2/NDF: 17.5/8

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -726.403+/-354.900 χ^2/NDF:13.6/19

Out: 158.487+/-347.561 χ^2/NDF:27.3/23

All: -274.714+/-248.317 χ^2/NDF: 44.1/43



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1247.223+/-0.459 χ^2/NDF:5619.0/4

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

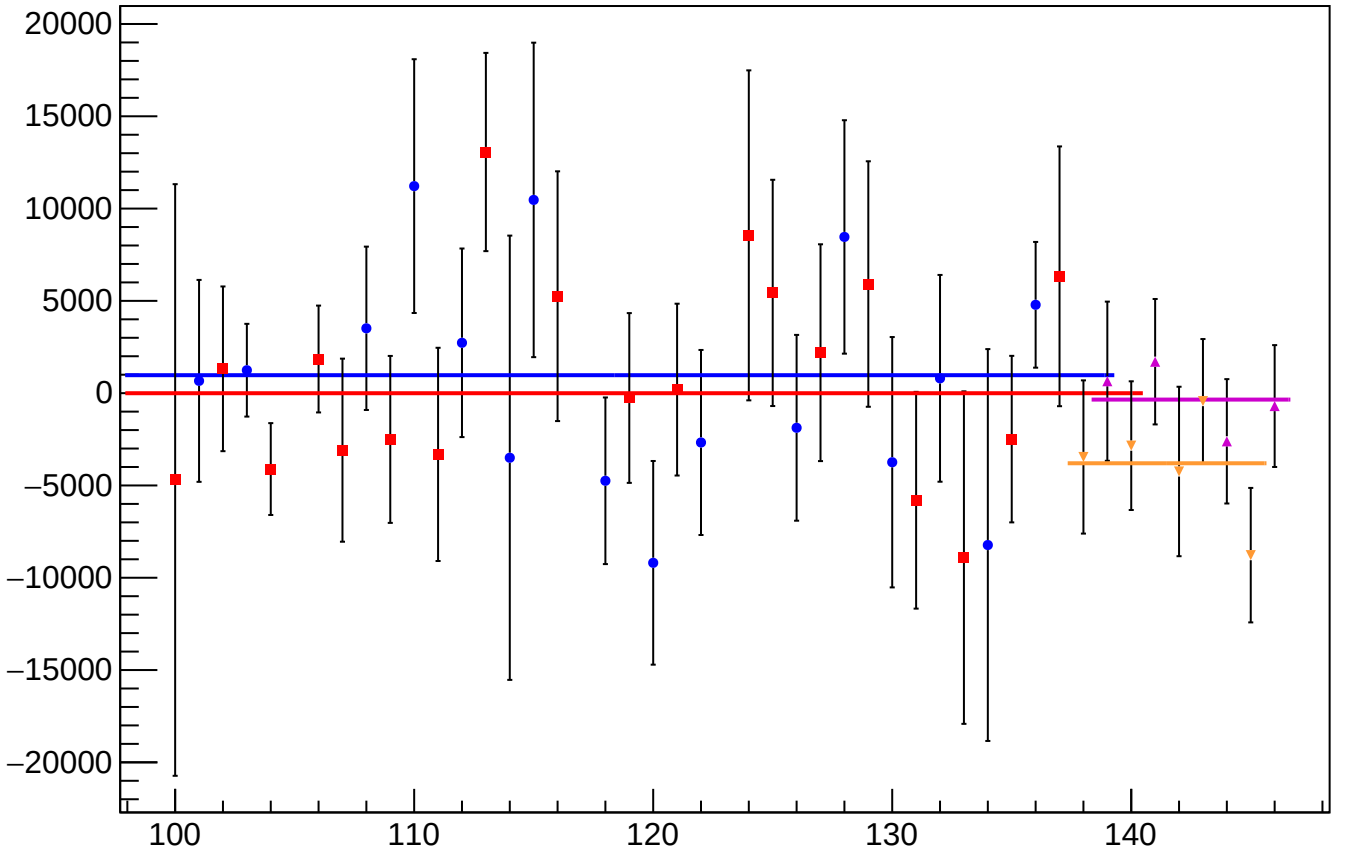
Left: 1220.795+/-0.322 χ^2/NDF: 34816.2/8

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1141.801+/-0.251 χ^2/NDF:863050.1/19

Out: 1123.131+/-0.244 χ^2/NDF:756968.8/23

All: 1132.215+/-0.175 χ^2/NDF: 1622860.6/43



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -3797.844+/-1686.475 χ^2/NDF:3.0/4

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -348.005+/-1766.903 χ^2/NDF:0.9/3

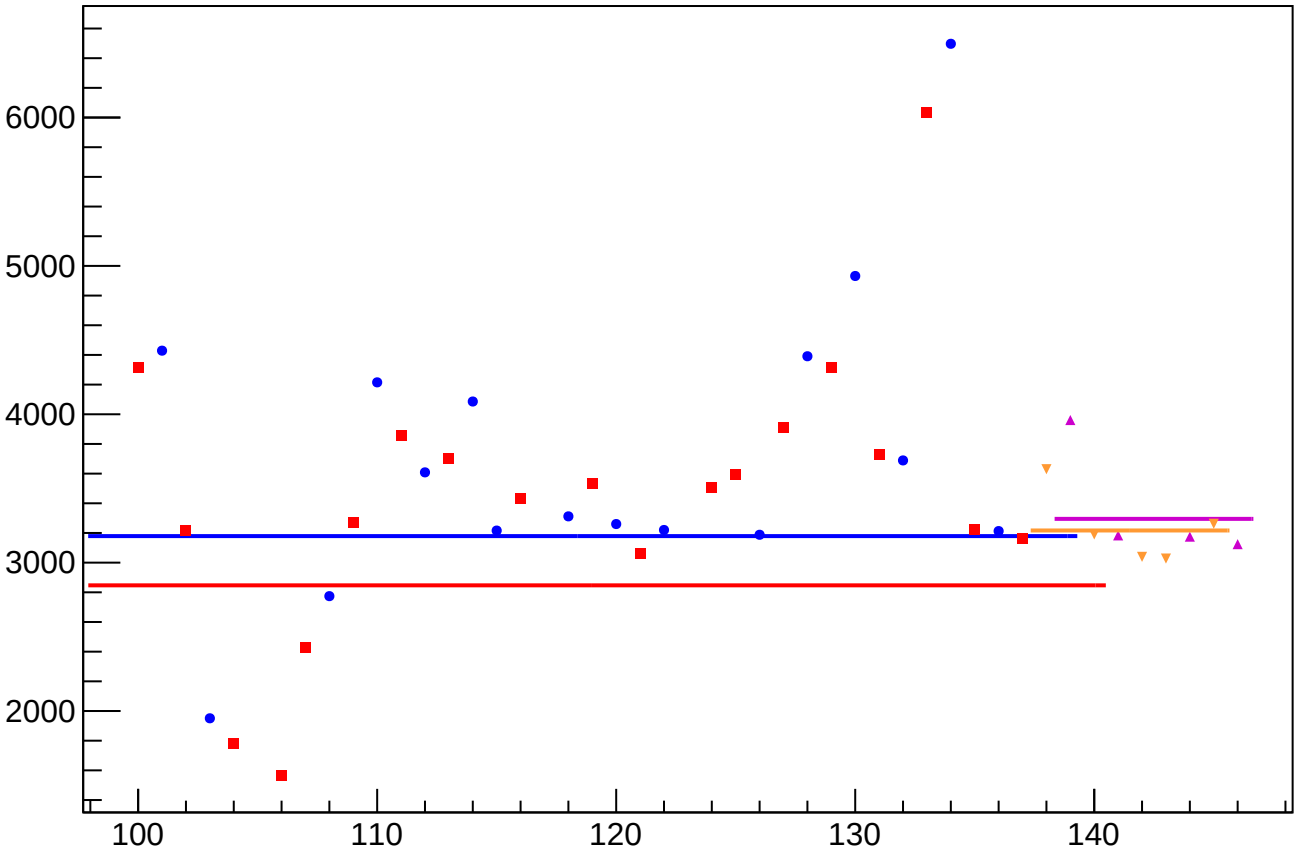
Left: -2153.227+/-1219.960 χ^2/NDF: 5.8/8

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 541.007+/-1011.006 χ^2/NDF:15.1/19

Out: -1155.566+/-929.460 χ^2/NDF:23.1/23

All: -378.450+/-684.243 χ^2/NDF: 39.6/43



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3216.769+/-1.193 χ^2/NDF:29565.1/4

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3295.015+/-1.249 χ^2/NDF:57752.8/3

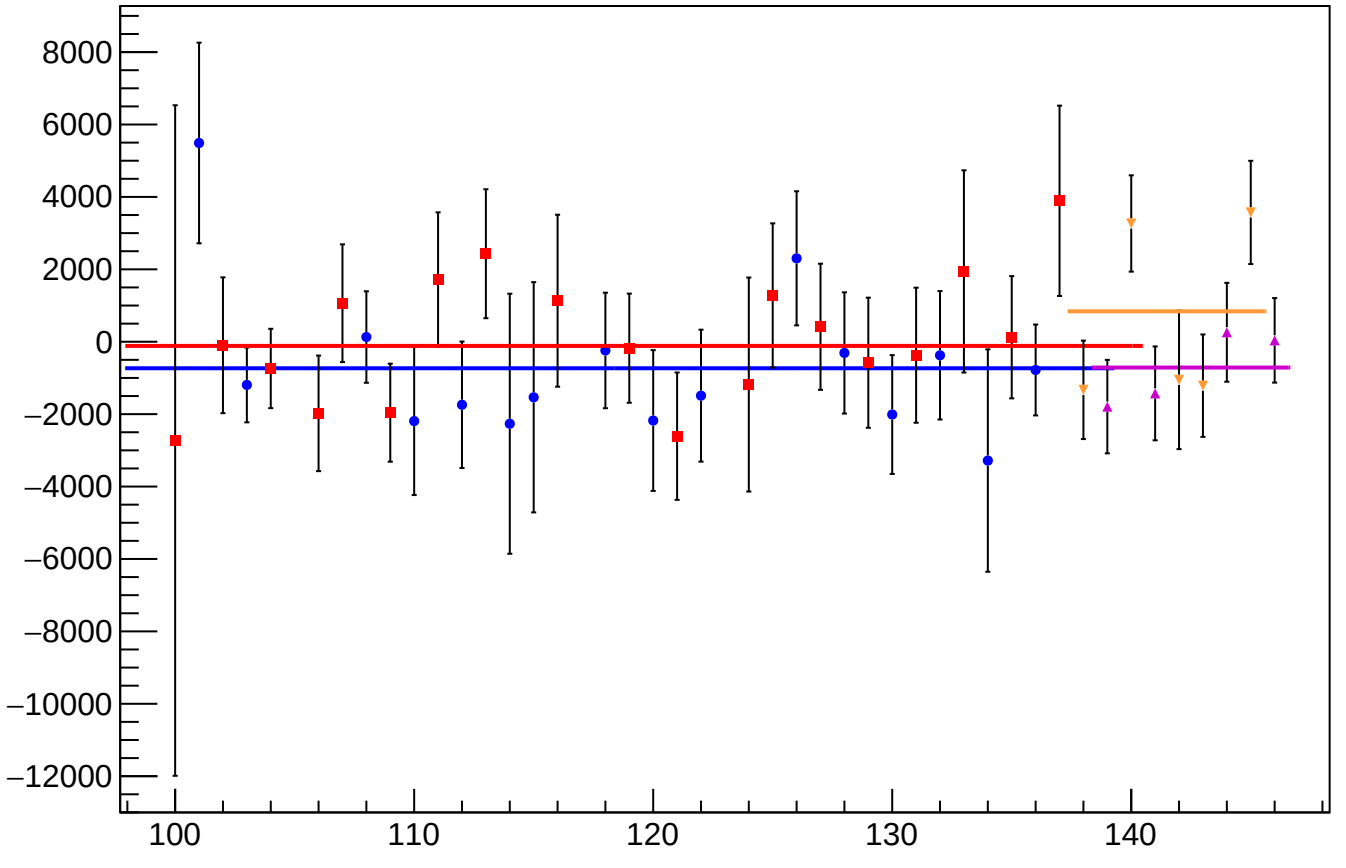
Left: 3254.070+/-0.863 χ^2/NDF: 89370.3/8

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3216.896+/-0.715 χ^2/NDF:1155242.1/19

Out: 2959.325+/-0.657 χ^2/NDF:1607662.7/23

All: 3077.305+/-0.484 χ^2/NDF: 2833256.8/43



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 840.002+/-649.446 χ^2/NDF:12.6/4

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -712.429+/-636.971 χ^2/NDF:1.9/3

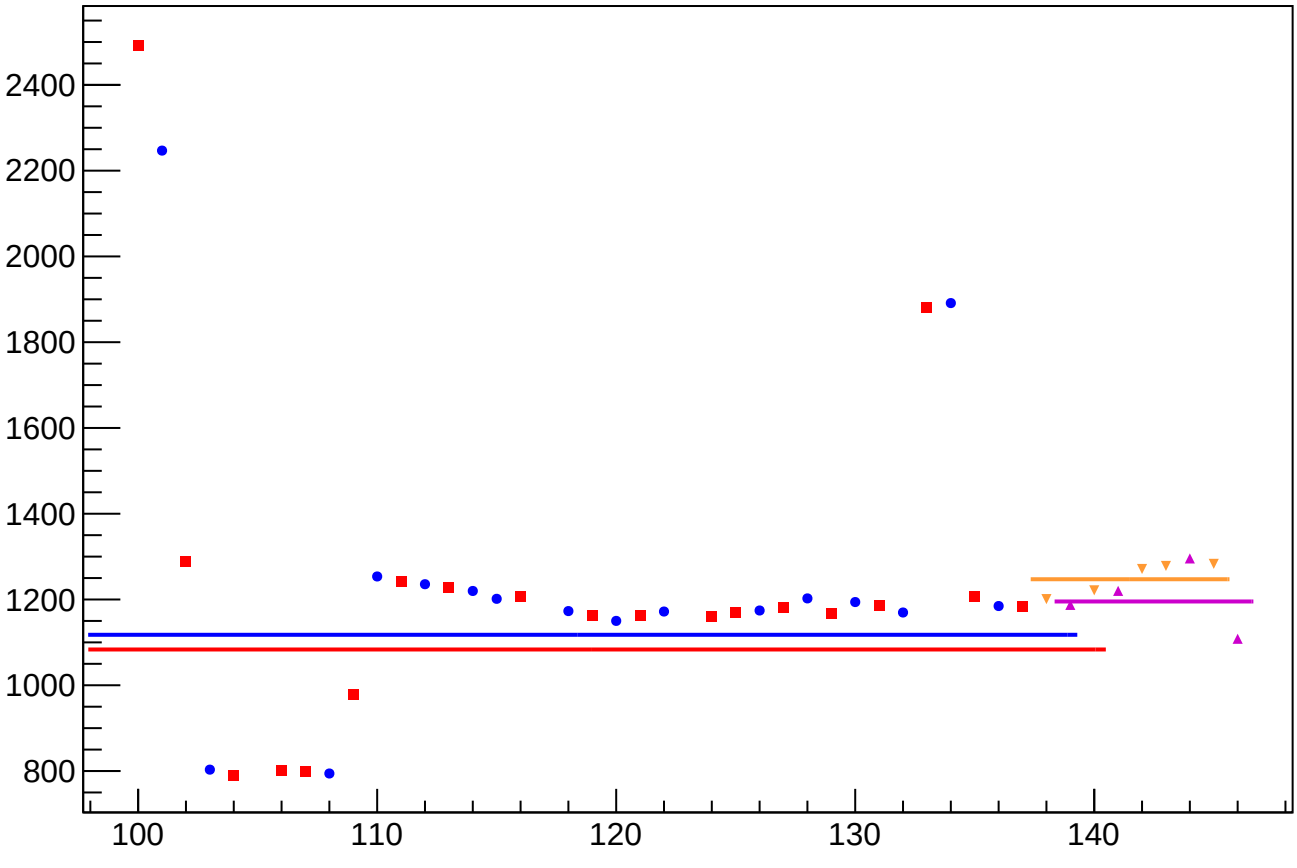
Left: 48.734+/-454.753 χ^2/NDF: 17.5/8

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -726.395+/-354.900 χ^2/NDF:13.6/19

Out: 158.299+/-347.563 χ^2/NDF:27.3/23

All: -274.809+/-248.318 χ^2/NDF: 44.1/43



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1247.223+/-0.459 χ^2/NDF:5619.0/4

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

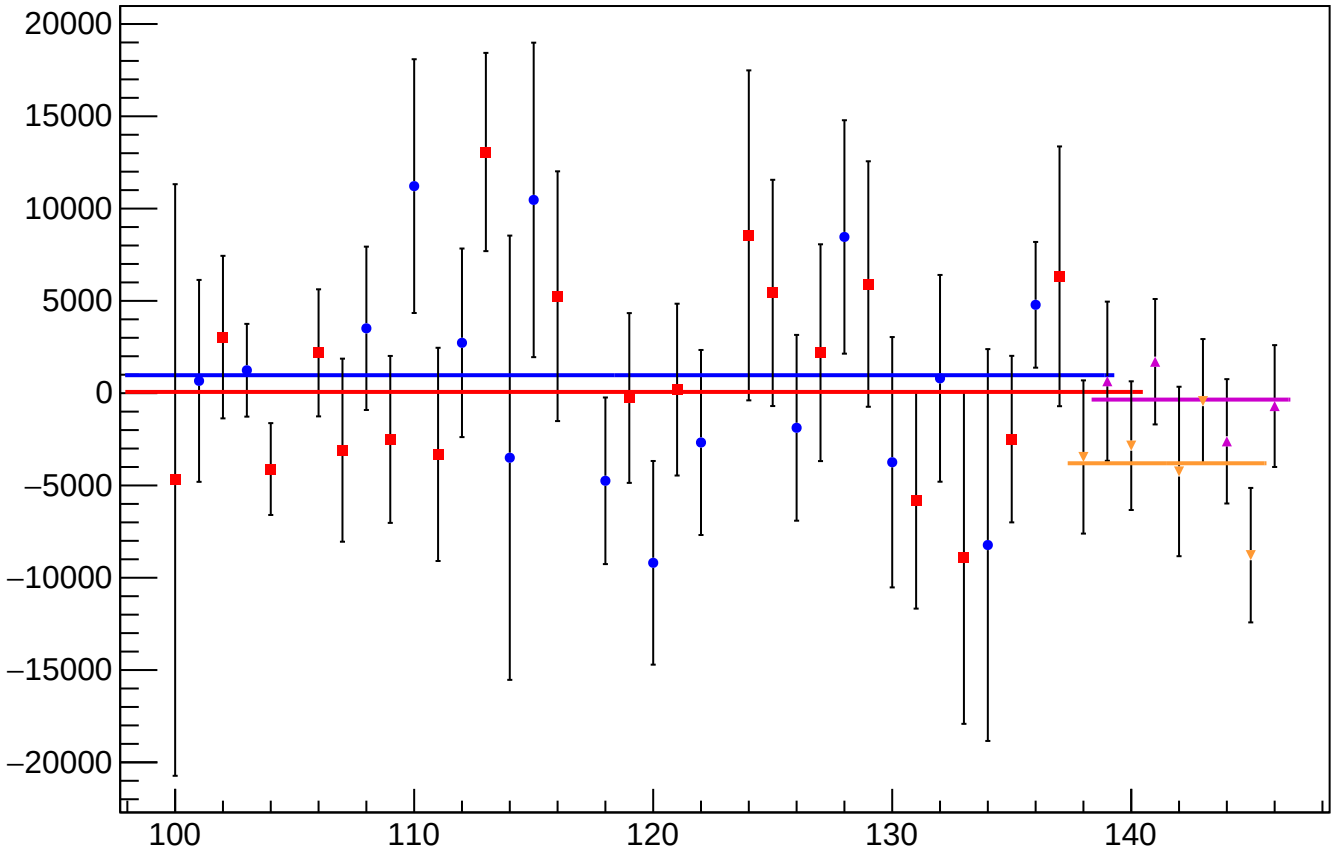
Left: 1220.795+/-0.322 χ^2/NDF: 34816.2/8

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1141.802+/-0.251 χ^2/NDF:863046.3/19

Out: 1130.206+/-0.245 χ^2/NDF:691525.2/23

All: 1135.875+/-0.175 χ^2/NDF: 1555662.9/43



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -3797.782+/-1686.469 χ^2/NDF:3.0/4

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -348.043+/-1766.902 χ^2/NDF:0.9/3

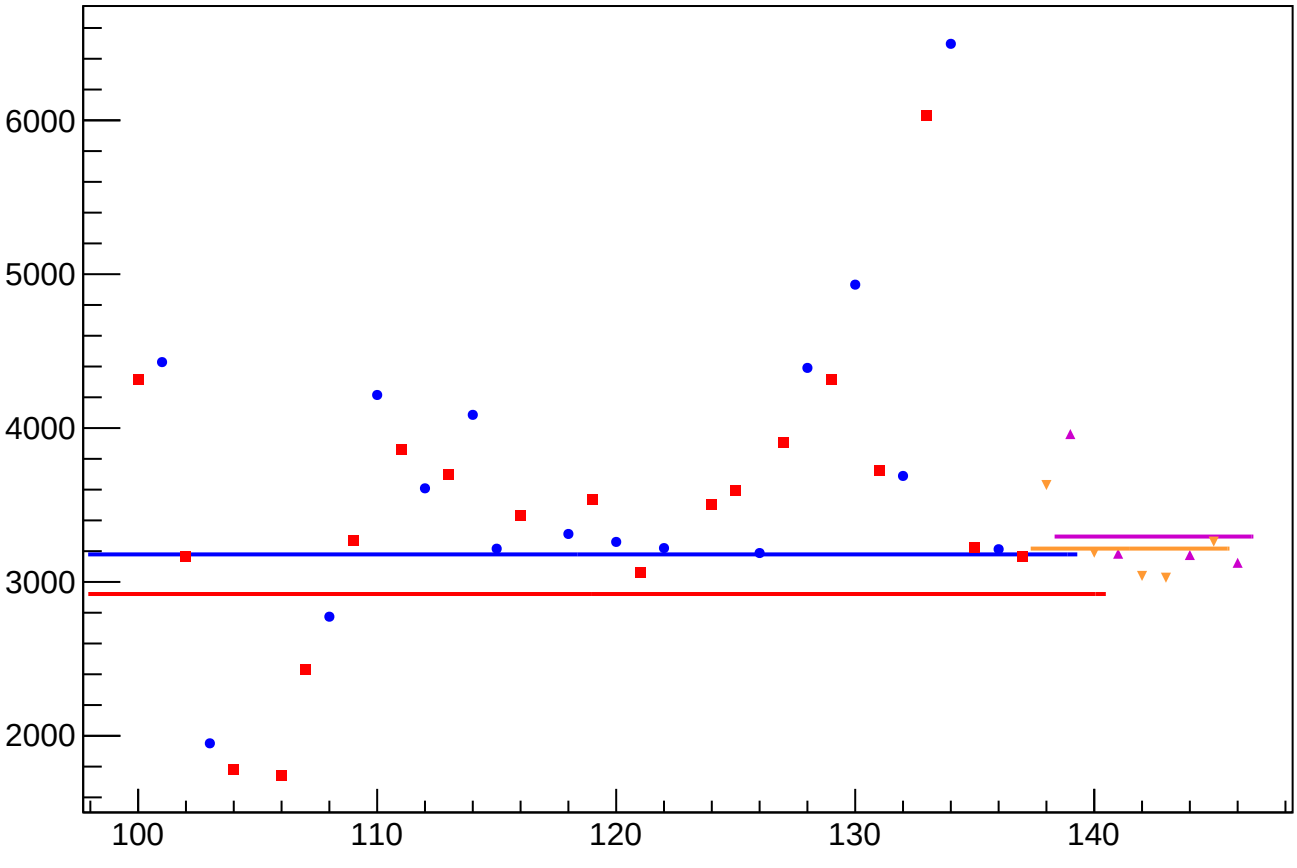
Left: -2153.217+/-1219.958 χ^2/NDF: 5.8/8

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 540.636+/-1011.033 χ^2/NDF:15.1/19

Out: -1141.944+/-943.263 χ^2/NDF:23.5/23

All: -358.932+/-689.703 χ^2/NDF: 40.1/43



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3216.757+/-1.193 χ^2/NDF:29566.3/4

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3295.012+/-1.249 χ^2/NDF:57752.9/3

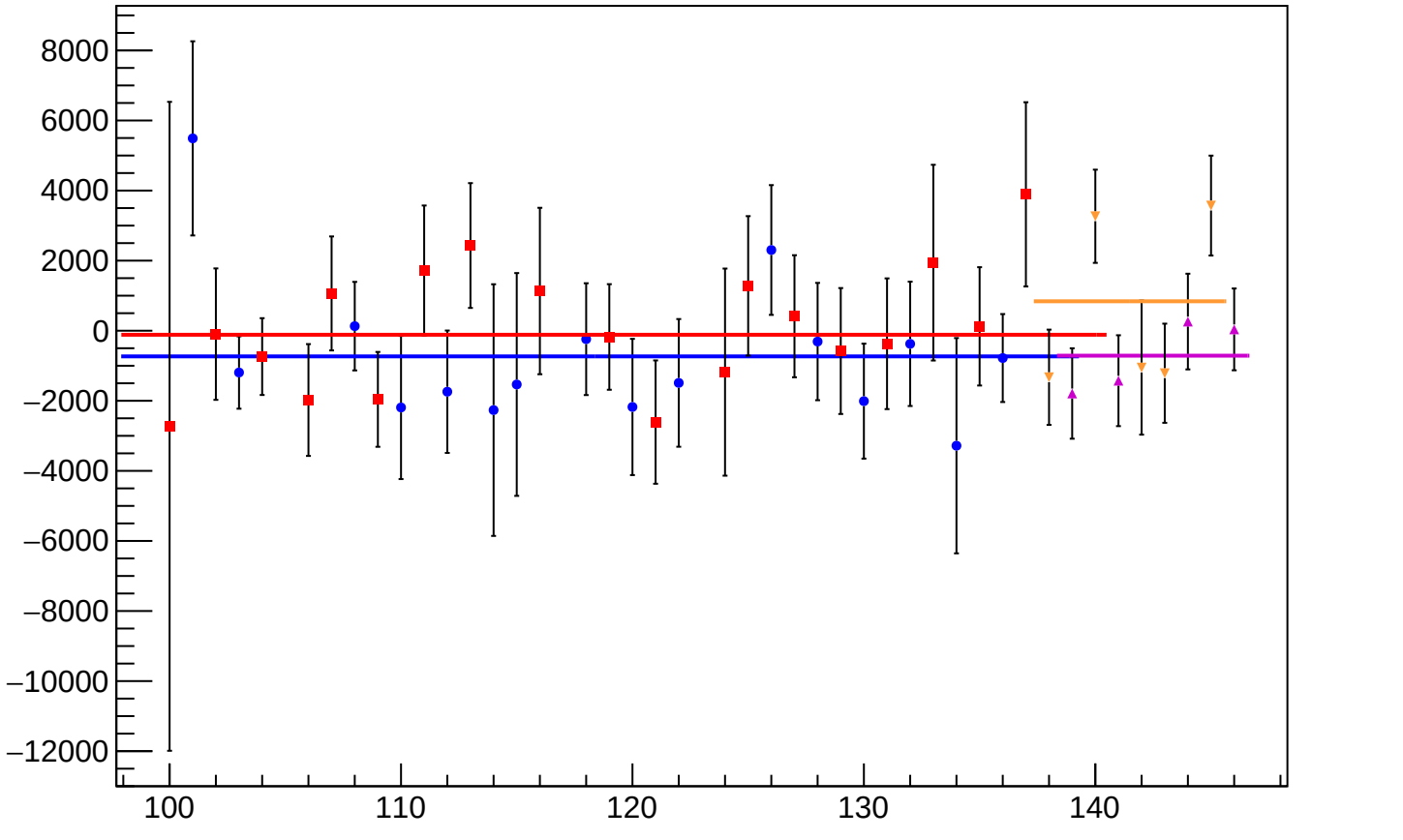
Left: 3254.063+/-0.863 χ^2/NDF: 89372.1/8

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3217.021+/-0.715 χ^2/NDF:1154783.1/19

Out: 3013.962+/-0.667 χ^2/NDF:1384540.9/23

All: 3108.459+/-0.488 χ^2/NDF: 2582456.2/43



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 840.002+/-649.446 χ^2/NDF:12.6/4

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -712.429+/-636.971 χ^2/NDF:1.9/3

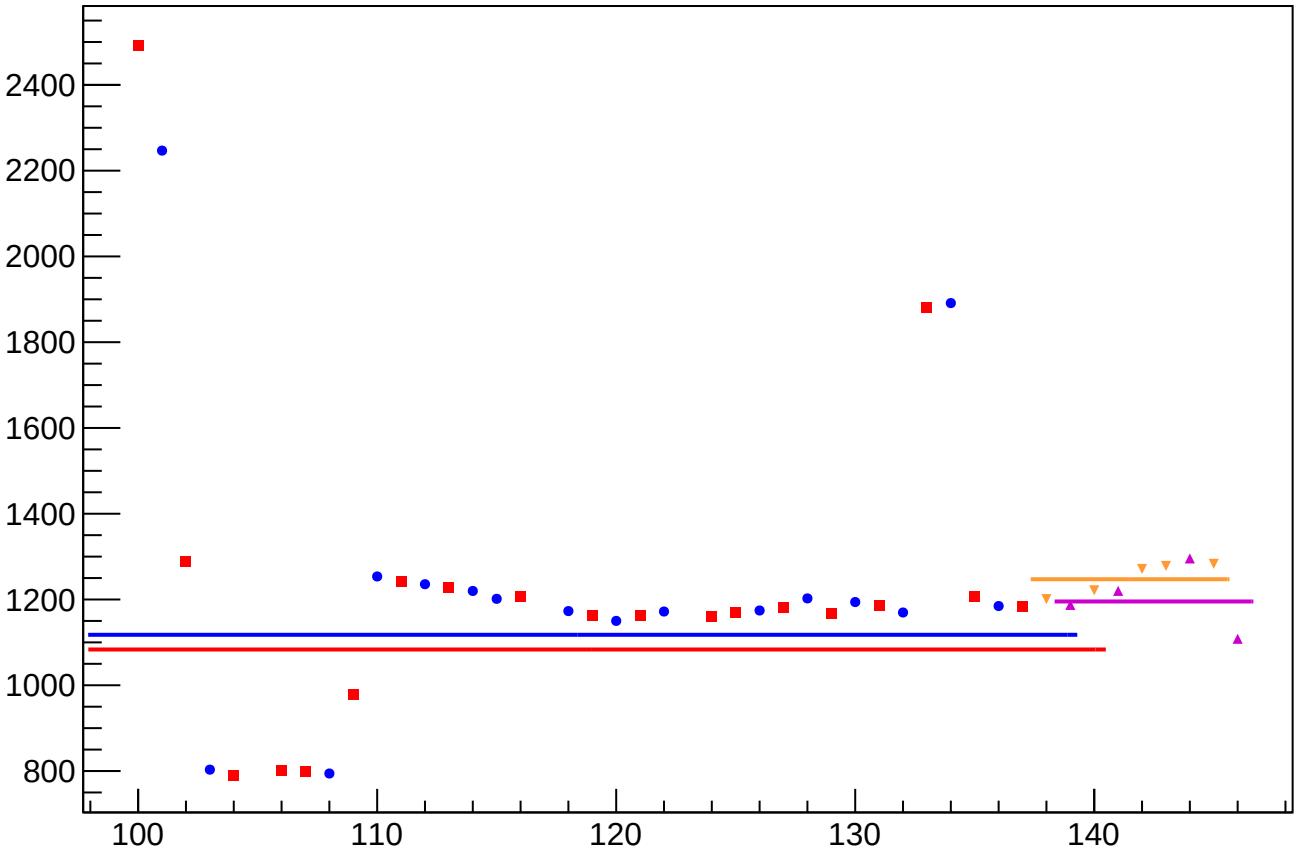
Left: 48.734+/-454.753 χ^2/NDF: 17.5/8

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -726.395+/-354.900 χ^2/NDF:13.6/19

Out: 158.299+/-347.563 χ^2/NDF:27.3/23

All: -274.809+/-248.318 χ^2/NDF: 44.1/43



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1247.223+/-0.459 χ^2/NDF:5619.0/4

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

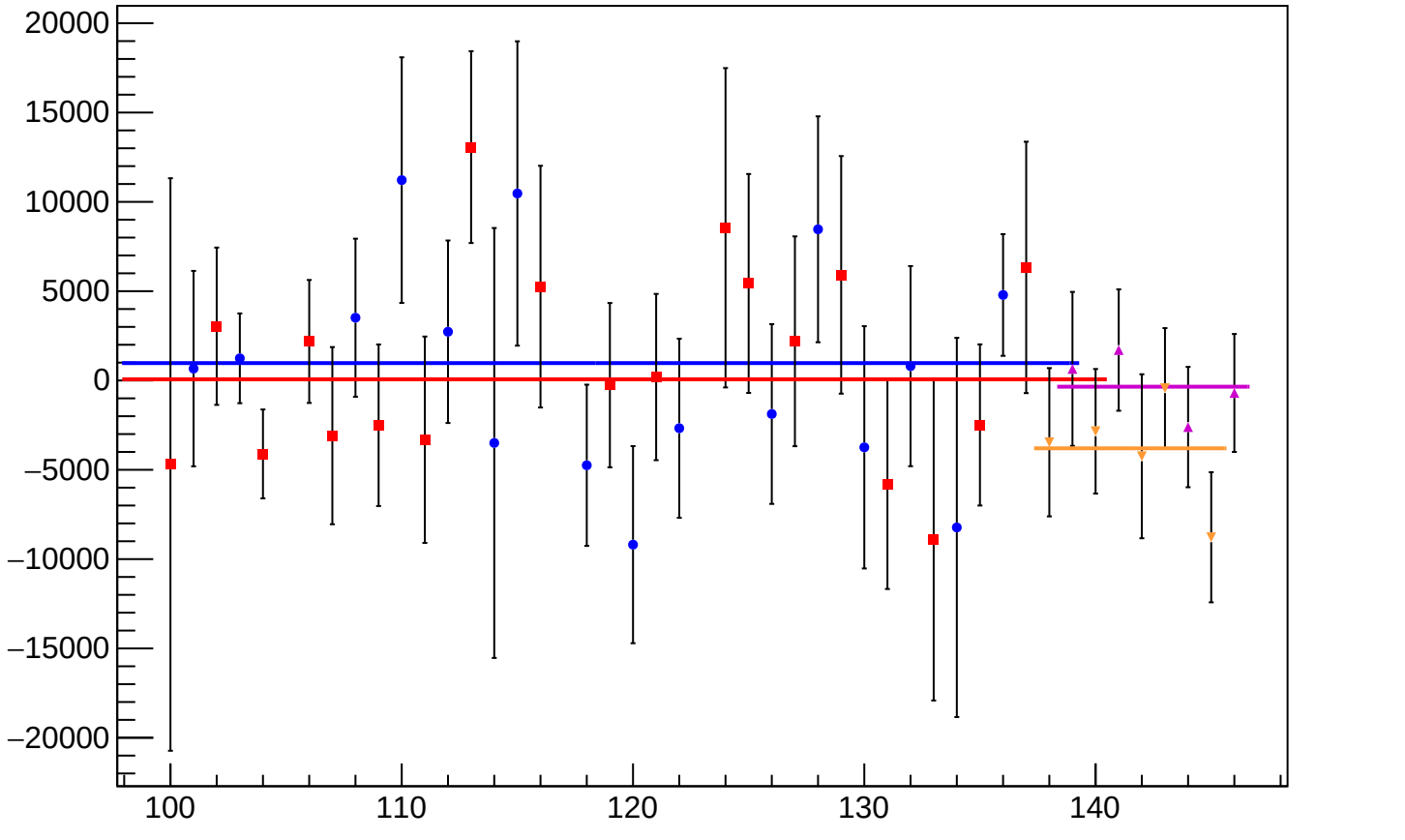
Left: 1220.795+/-0.322 χ^2/NDF: 34816.2/8

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1141.802+/-0.251 χ^2/NDF:863046.3/19

Out: 1130.206+/-0.245 χ^2/NDF:691525.2/23

All: 1135.875+/-0.175 χ^2/NDF: 1555662.9/43



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -3797.782+/-1686.469 χ^2/NDF:3.0/4

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -348.043+/-1766.902 χ^2/NDF:0.9/3

Left: -2153.217+/-1219.958 χ^2/NDF: 5.8/8

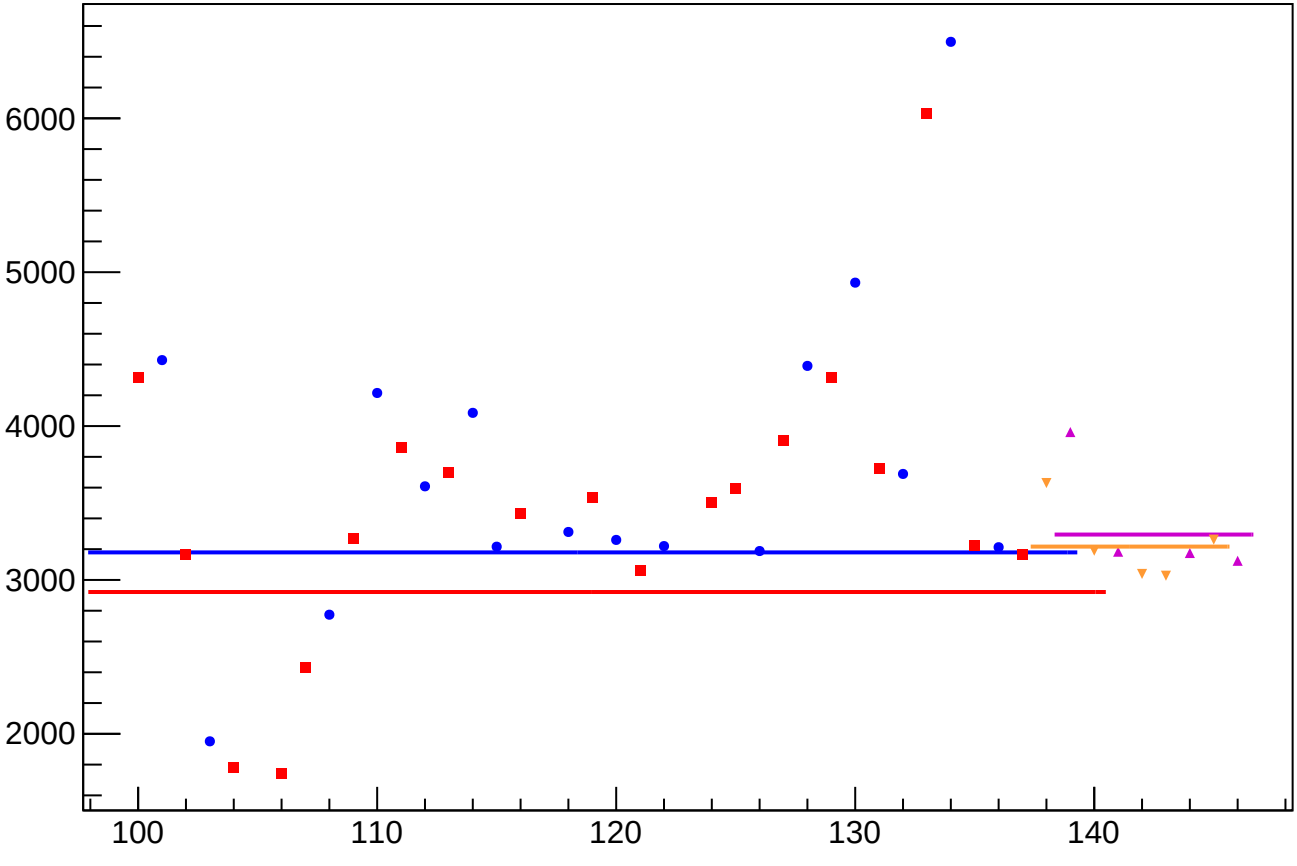
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 540.636+/-1011.033 χ^2/NDF:15.1/19

Out: -1141.944+/-943.263 χ^2/NDF:23.5/23

All: -358.932+/-689.703 χ^2/NDF: 40.1/43

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3216.757+/-1.193 χ^2/NDF:29566.3/4

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3295.012+/-1.249 χ^2/NDF:57752.9/3

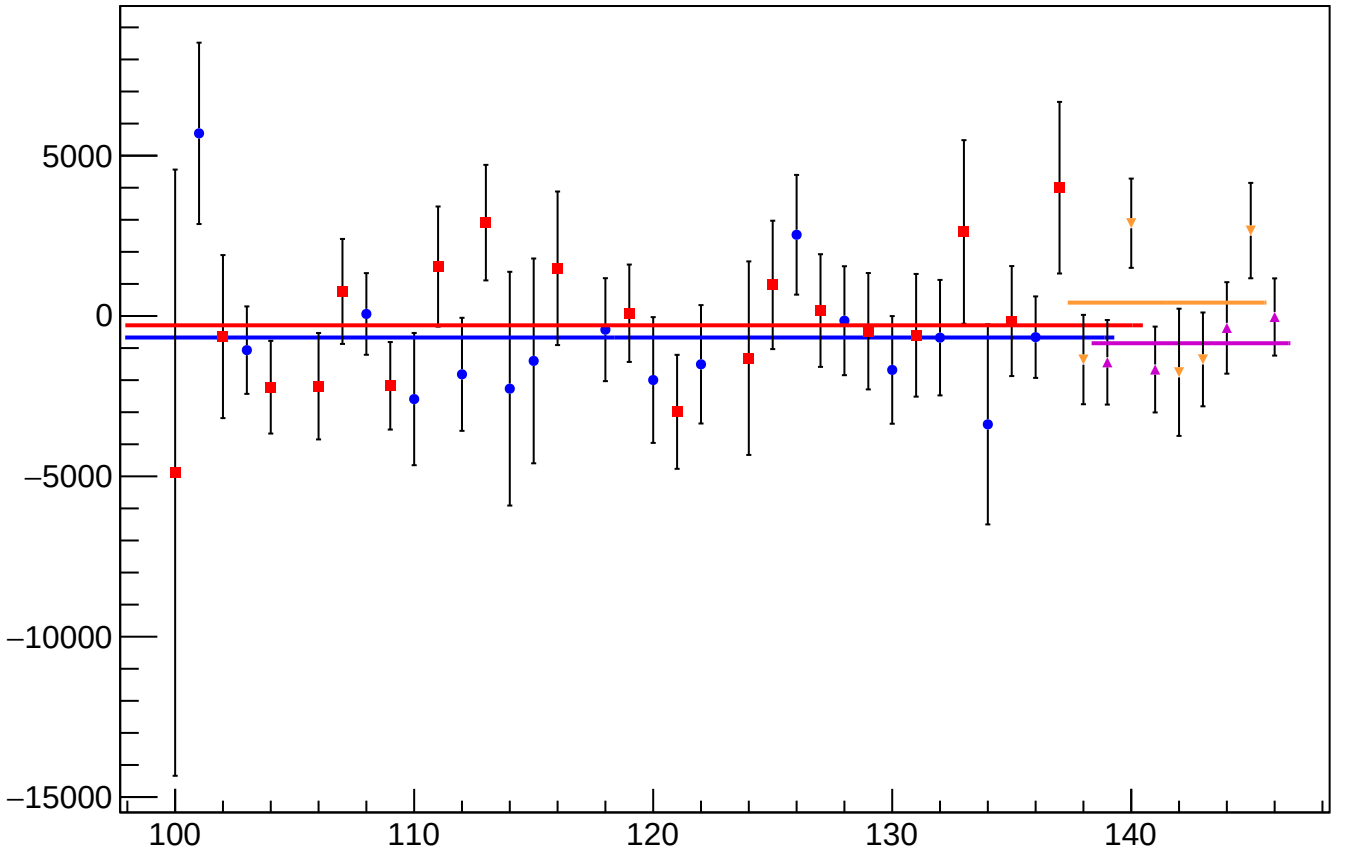
Left: 3254.063+/-0.863 χ^2/NDF: 89372.1/8

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3217.021+/-0.715 χ^2/NDF:1154783.1/19

Out: 3013.962+/-0.667 χ^2/NDF:1384540.9/23

All: 3108.459+/-0.488 χ^2/NDF: 2582456.2/43



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 417.128+/-673.444 χ^2/NDF:9.7/4

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -849.354+/-657.266 χ^2/NDF:1.2/3

Left: -231.508+/-470.373 χ^2/NDF: 12.7/8

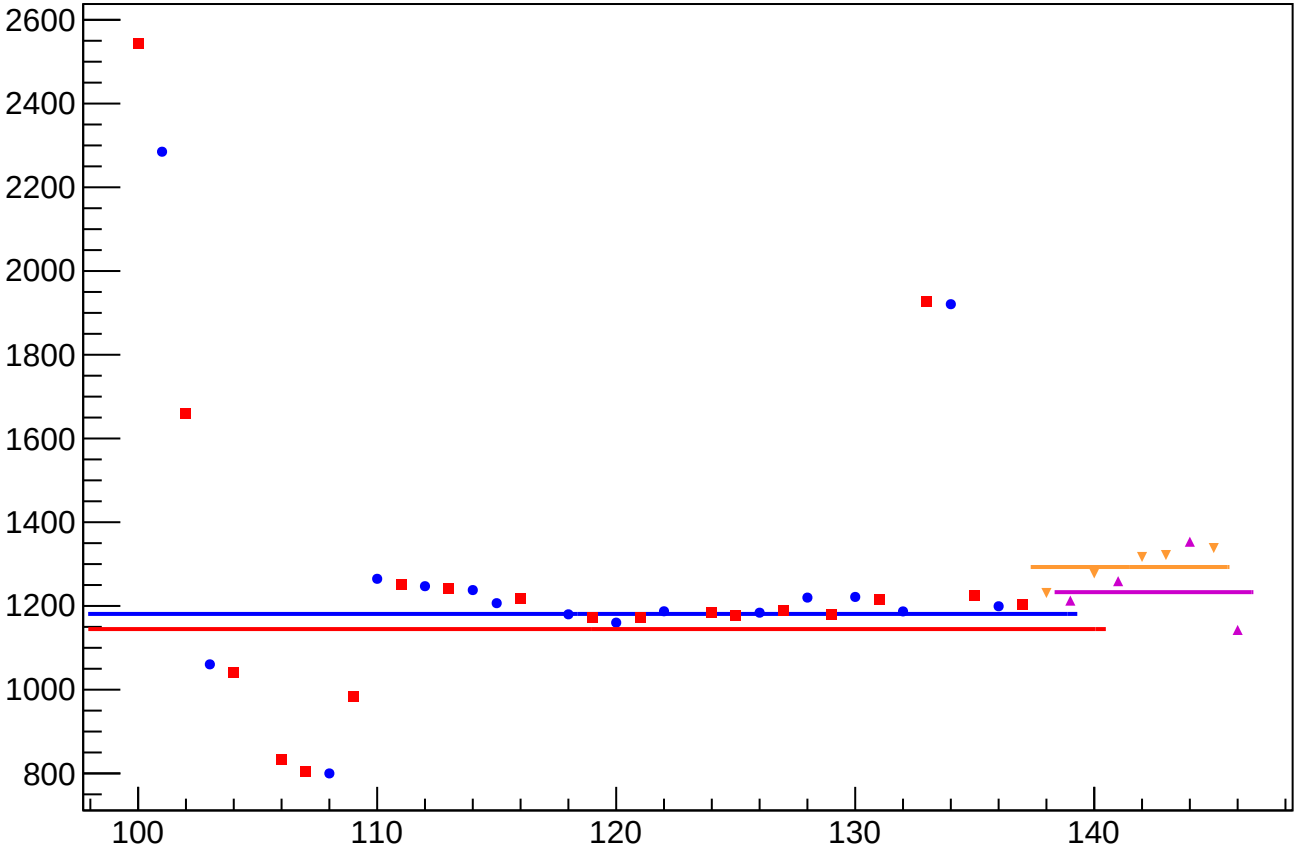
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -727.540+/-370.467 χ^2/NDF:13.1/19

Out: -82.431+/-365.059 χ^2/NDF:27.5/23

All: -400.242+/-260.027 χ^2/NDF: 42.1/43

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1293.009+/-0.476 χ^2/NDF:7118.7/4

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1232.960+/-0.465 χ^2/NDF:26735.3/3

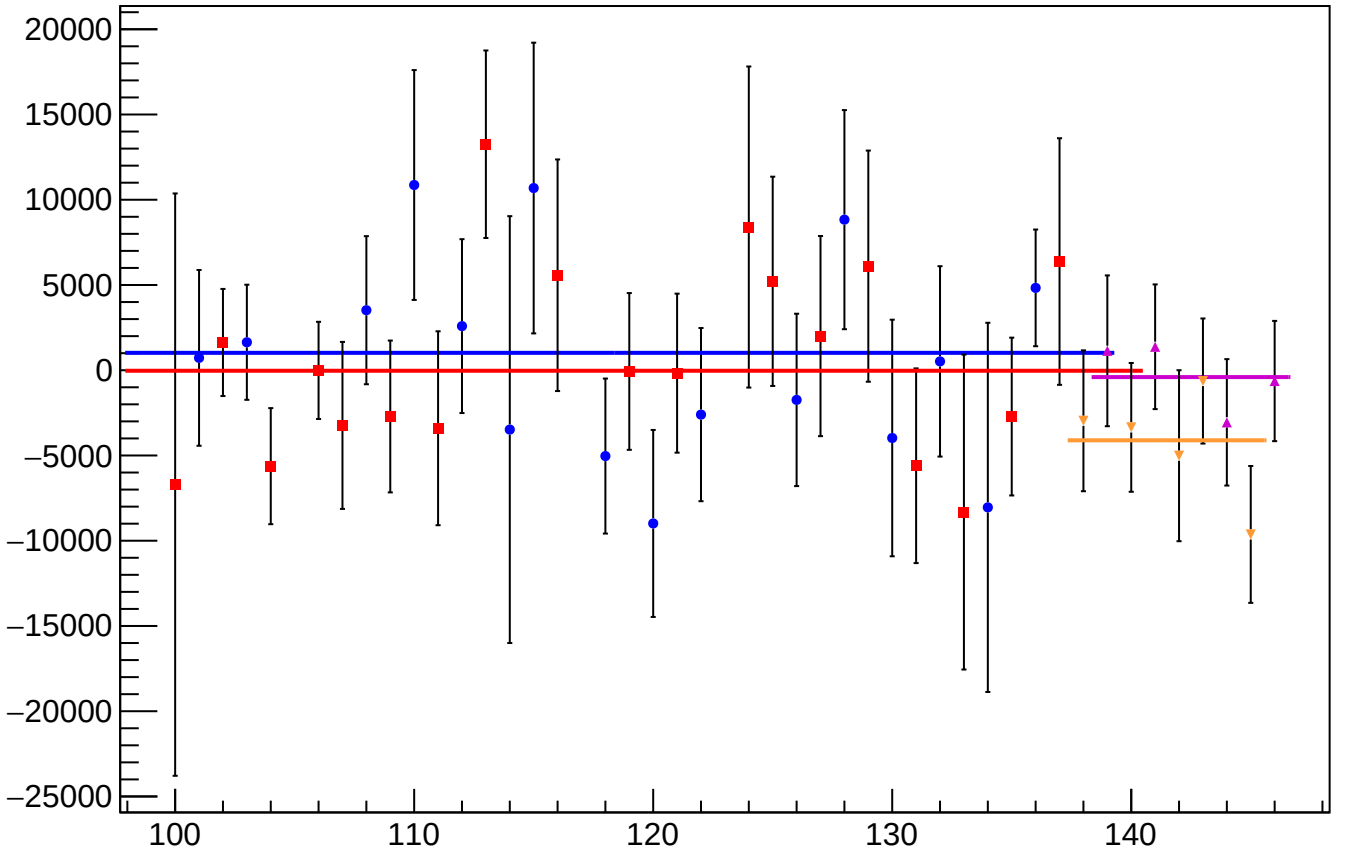
Left: 1262.255+/-0.333 χ^2/NDF: 41998.3/8

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1197.477+/-0.262 χ^2/NDF:657156.9/19

Out: 1188.307+/-0.258 χ^2/NDF:573292.4/23

All: 1192.823+/-0.184 χ^2/NDF: 1231071.2/43



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -4109.834+/-1811.189 χ^2/NDF:2.9/4

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -401.436+/-1893.102 χ^2/NDF:0.9/3

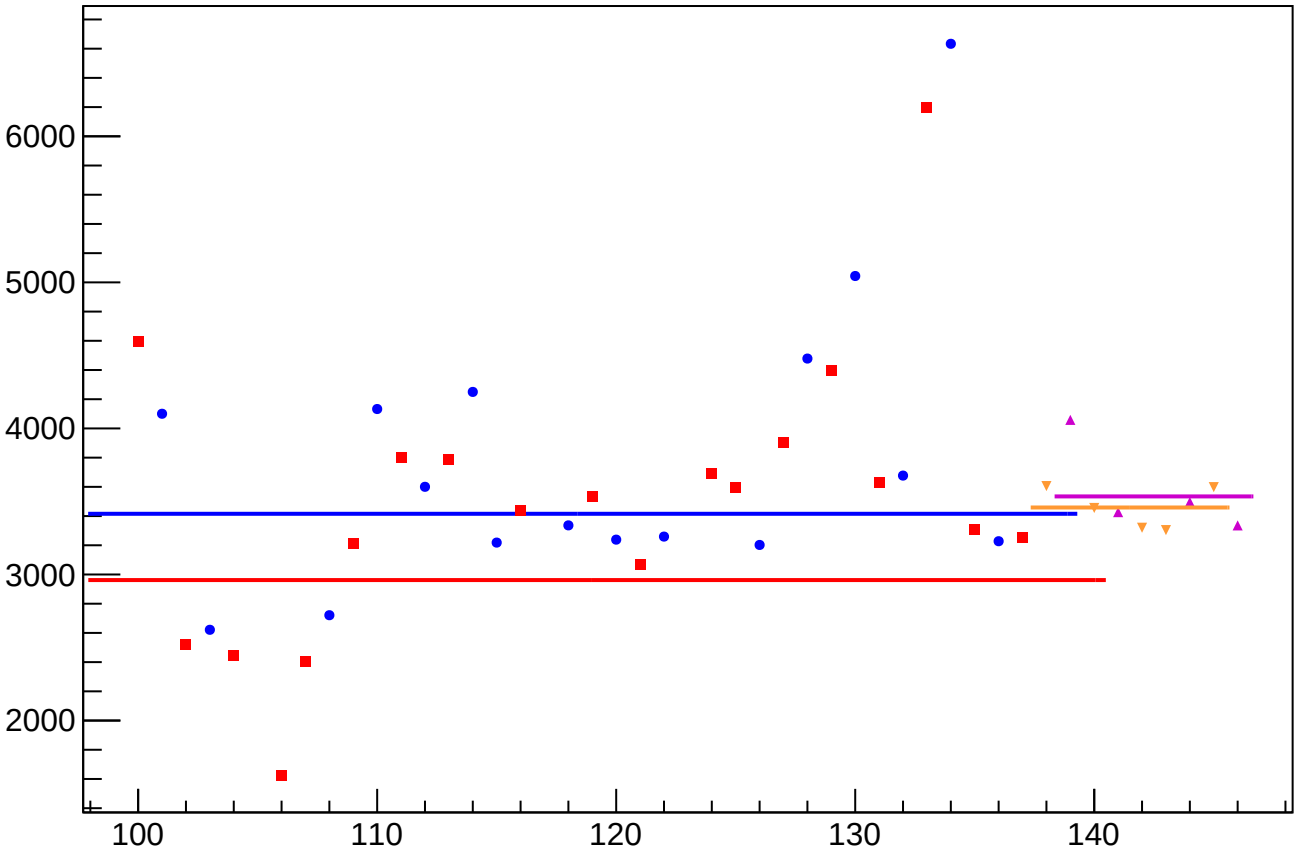
Left: -2337.598+/-1308.704 χ^2/NDF: 5.8/8

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 564.054+/-1073.013 χ^2/NDF:15.1/19

Out: -1174.297+/-959.165 χ^2/NDF:22.7/23

All: -402.204+/-715.107 χ^2/NDF: 39.3/43



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3458.688+/-1.281 χ^2/NDF:10019.6/4

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3534.539+/-1.339 χ^2/NDF:36368.1/3

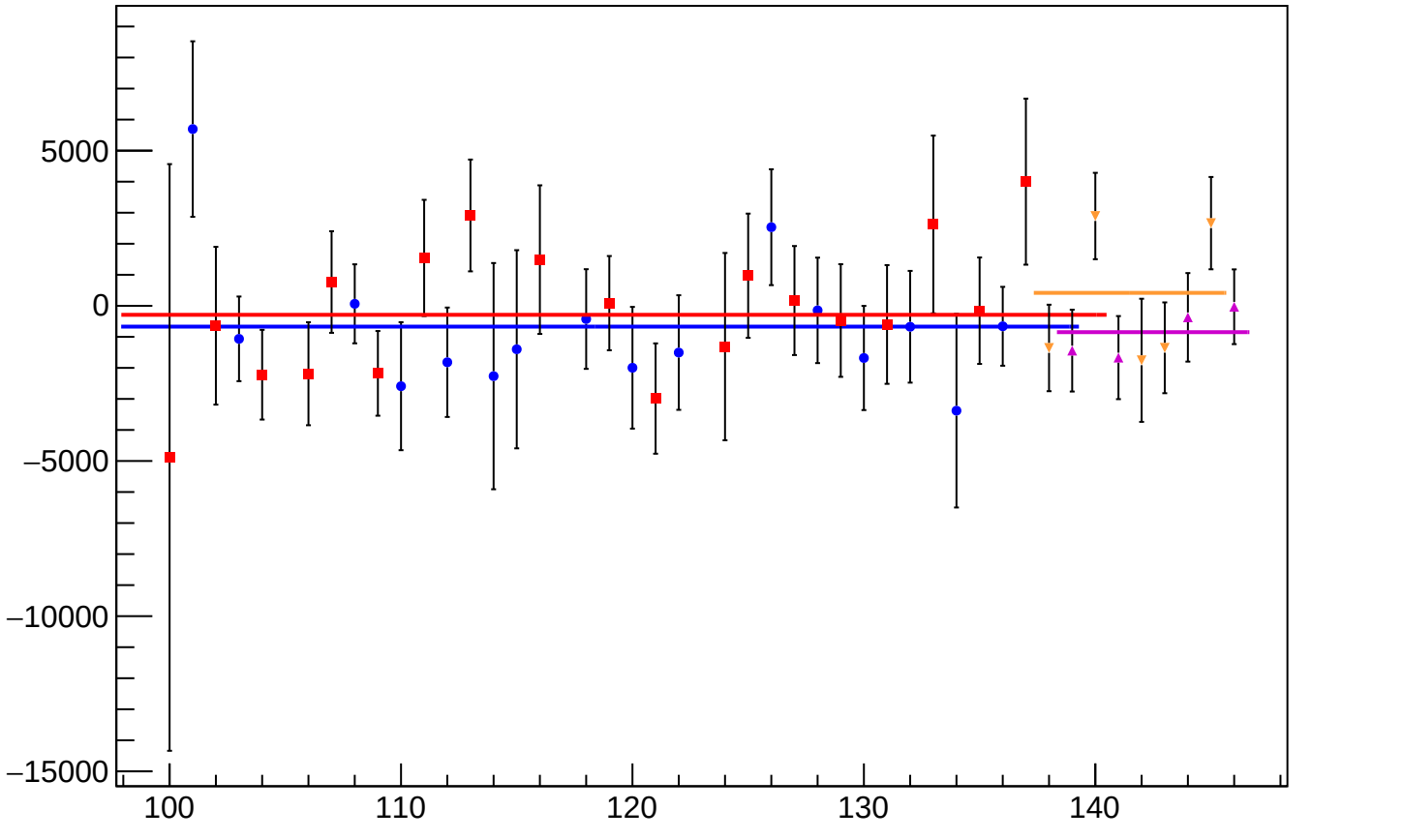
Left: 3494.937+/-0.925 χ^2/NDF: 48064.0/8

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3453.807+/-0.759 χ^2/NDF:634070.9/19

Out: 3101.152+/-0.678 χ^2/NDF:1287590.5/23

All: 3257.785+/-0.506 χ^2/NDF: 2041742.7/43



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 417.126+/-673.445 χ^2/NDF:9.7/4

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -849.348+/-657.267 χ^2/NDF:1.2/3

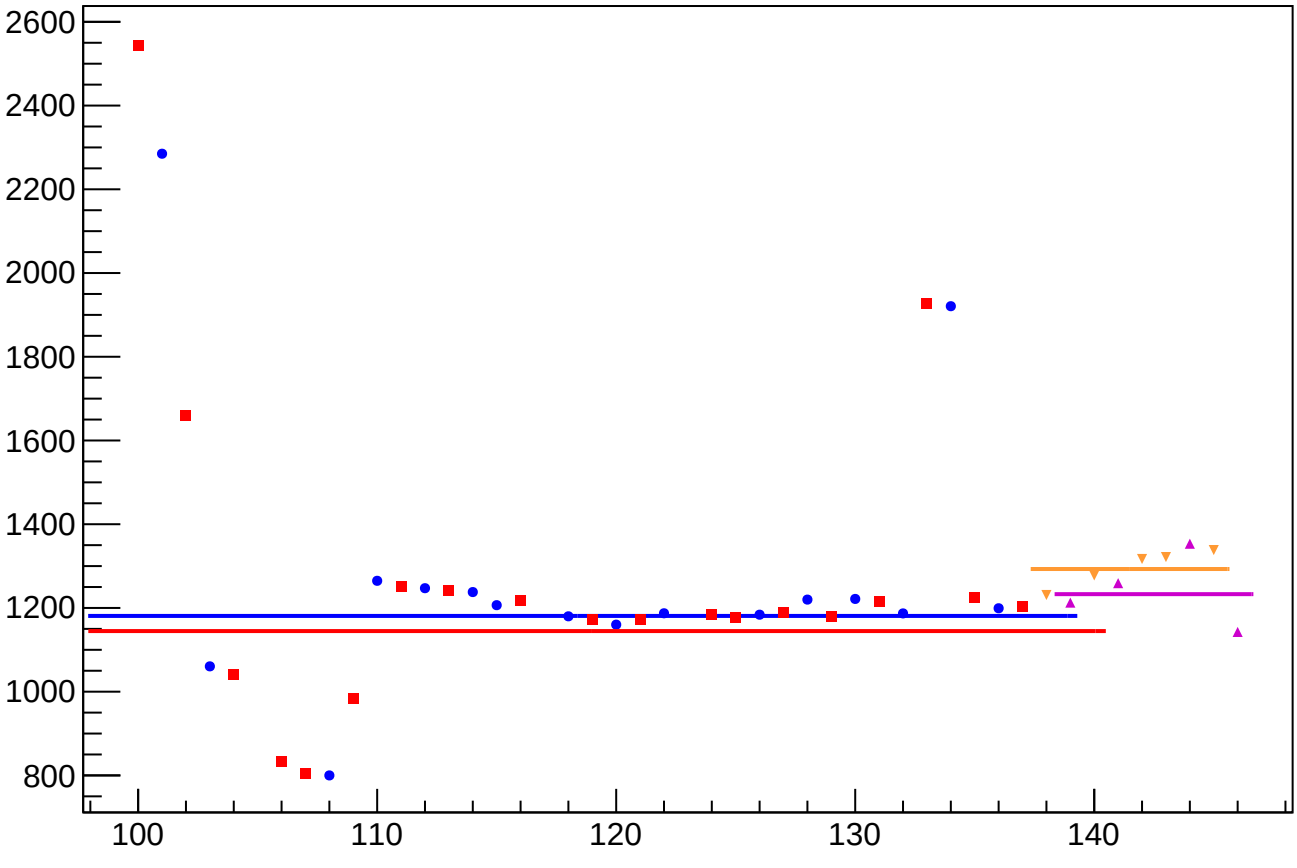
Left: -231.506+/-470.373 χ^2/NDF: 12.7/8

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -727.541+/-370.467 χ^2/NDF:13.1/19

Out: -82.436+/-365.060 χ^2/NDF:27.5/23

All: -400.245+/-260.027 χ^2/NDF: 42.1/43



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1293.010+/-0.476 χ^2/NDF:7118.8/4

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1232.961+/-0.465 χ^2/NDF:26735.0/3

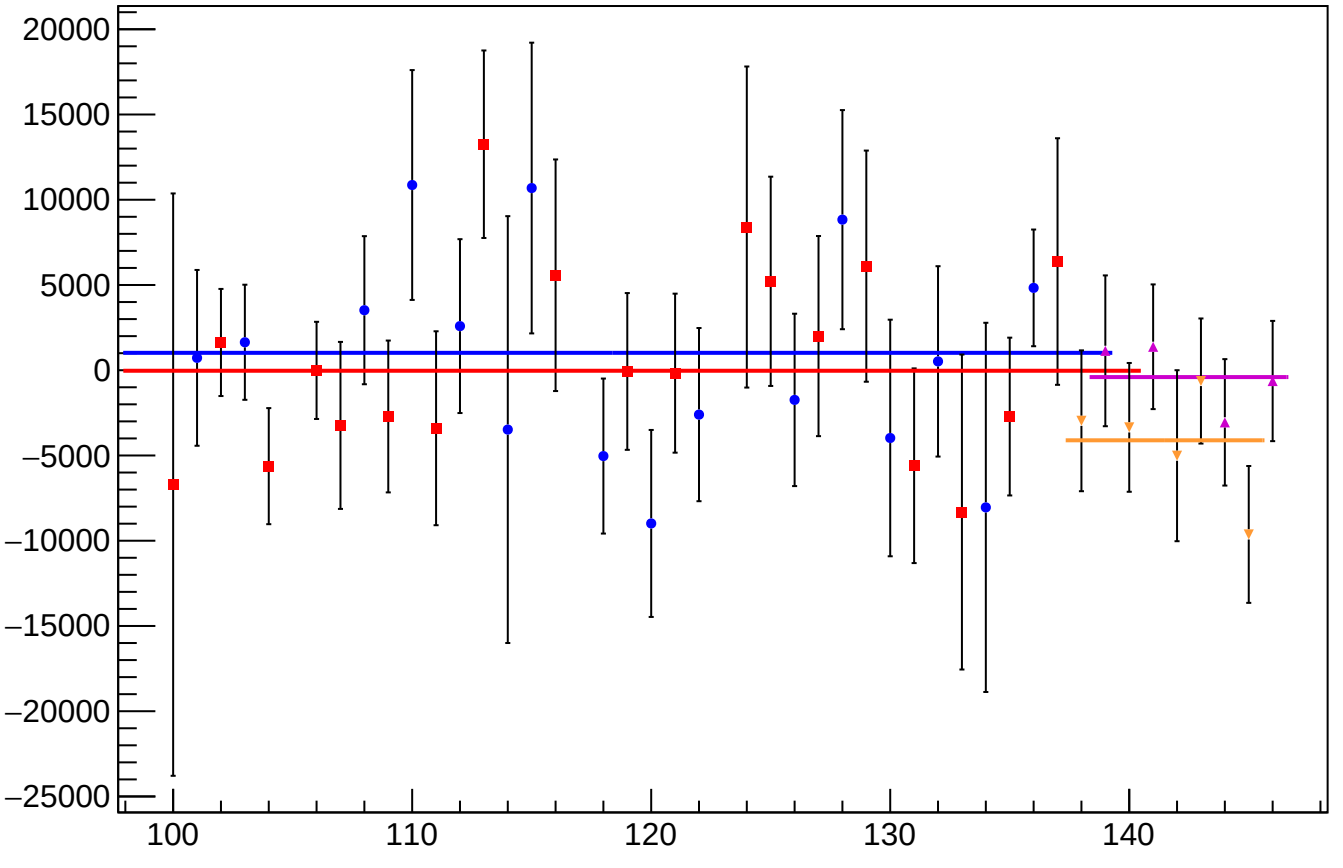
Left: 1262.255+/-0.333 χ^2/NDF: 41998.0/8

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1197.477+/-0.262 χ^2/NDF:657157.1/19

Out: 1188.307+/-0.258 χ^2/NDF:573292.4/23

All: 1192.823+/-0.184 χ^2/NDF: 1231071.4/43



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -4109.839+/-1811.191 χ^2/NDF:2.9/4

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -401.427+/-1893.103 χ^2/NDF:0.9/3

Left: -2337.596+/-1308.706 χ^2/NDF: 5.8/8

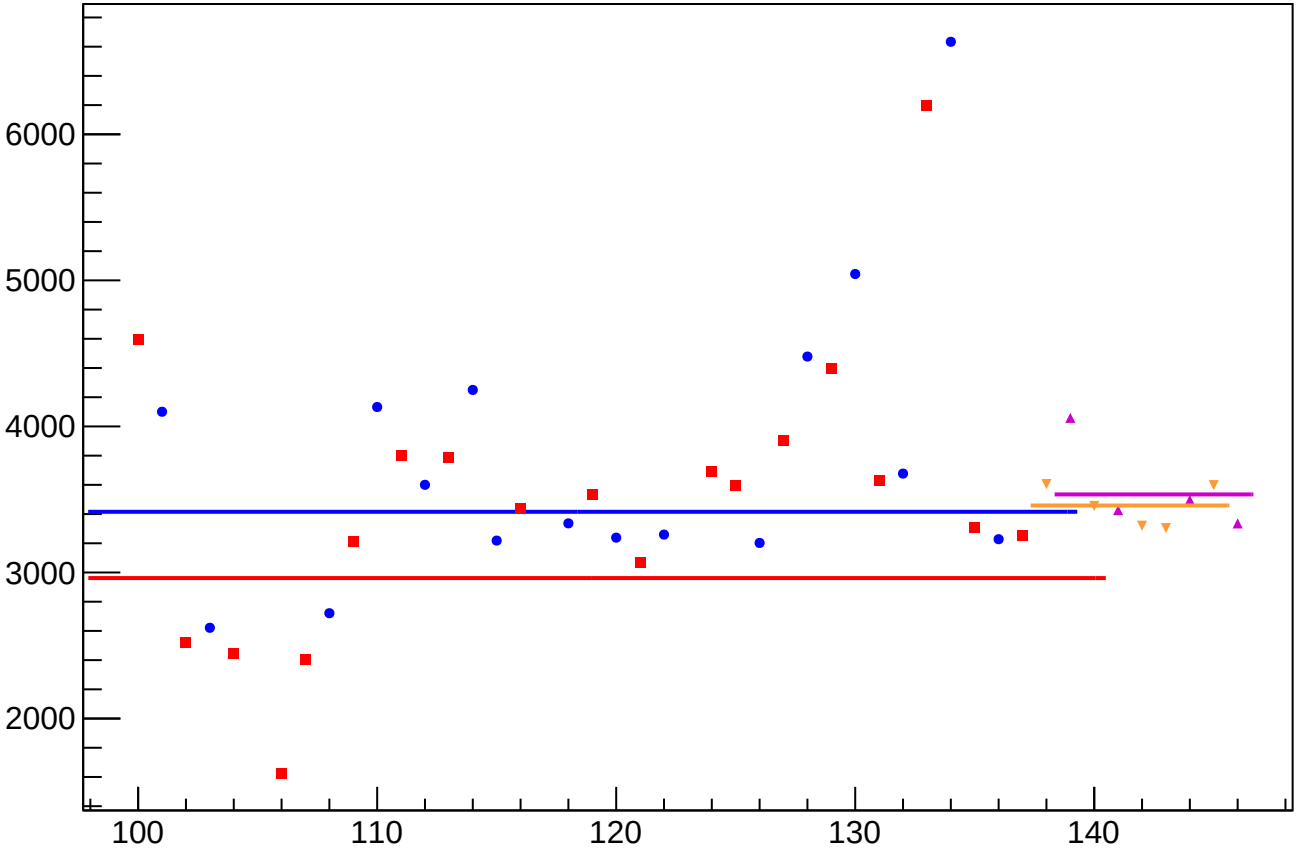
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 564.046+/-1073.013 χ^2/NDF:15.1/19

Out: -1174.298+/-959.165 χ^2/NDF:22.7/23

All: -402.208+/-715.107 χ^2/NDF: 39.3/43

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3458.692+/-1.281 χ^2/NDF:10019.5/4

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3534.543+/-1.339 χ^2/NDF:36368.2/3

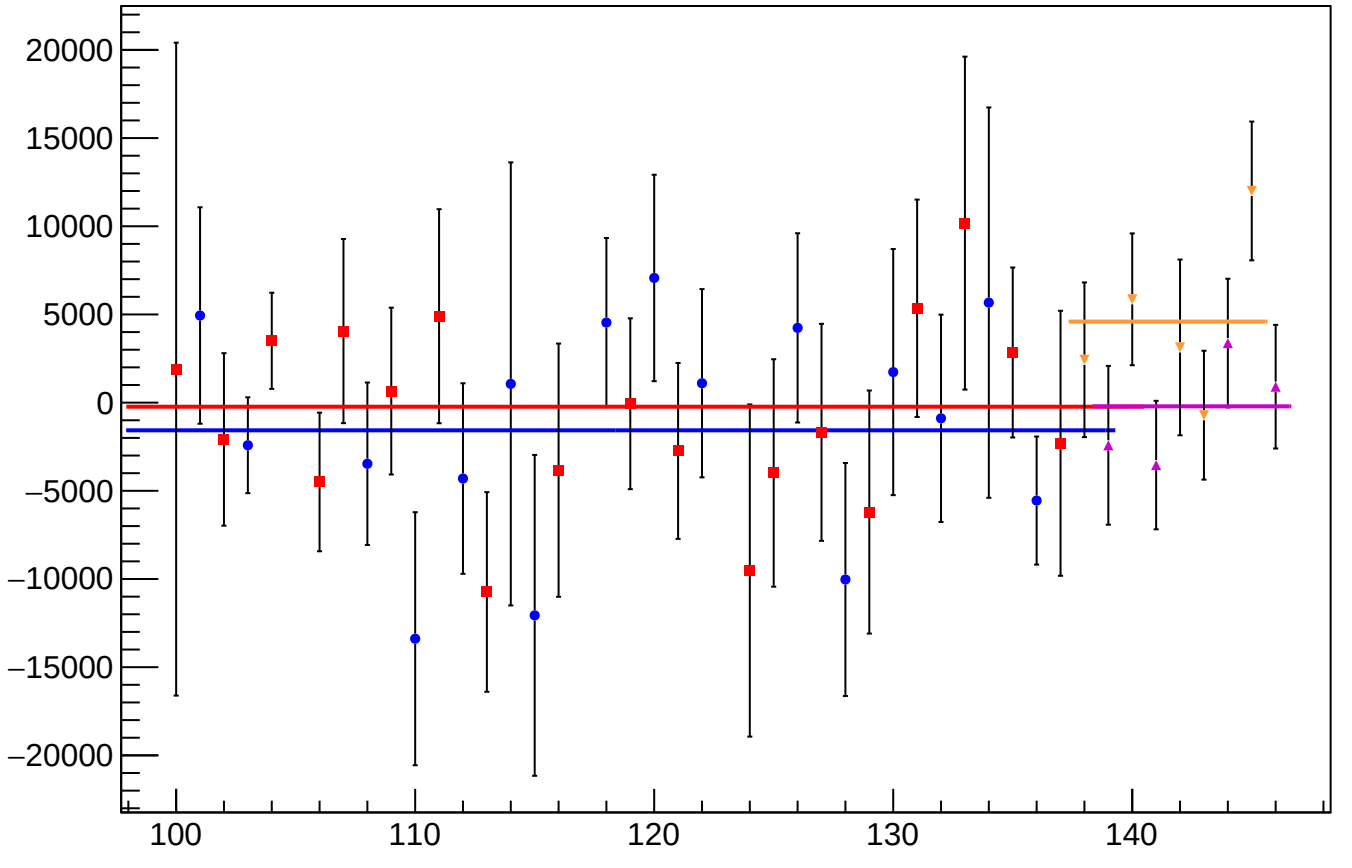
Left: 3494.941+/-0.925 χ^2/NDF: 48064.0/8

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3453.806+/-0.759 χ^2/NDF:634066.7/19

Out: 3101.149+/-0.678 χ^2/NDF:1287593.8/23

All: 3257.783+/-0.506 χ^2/NDF: 2041743.1/43



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 4594.983+/-1815.431 χ^2/NDF:6.1/4

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -208.898+/-1885.747 χ^2/NDF:2.1/3

Left: 2284.275+/-1307.856 χ^2/NDF: 11.6/8

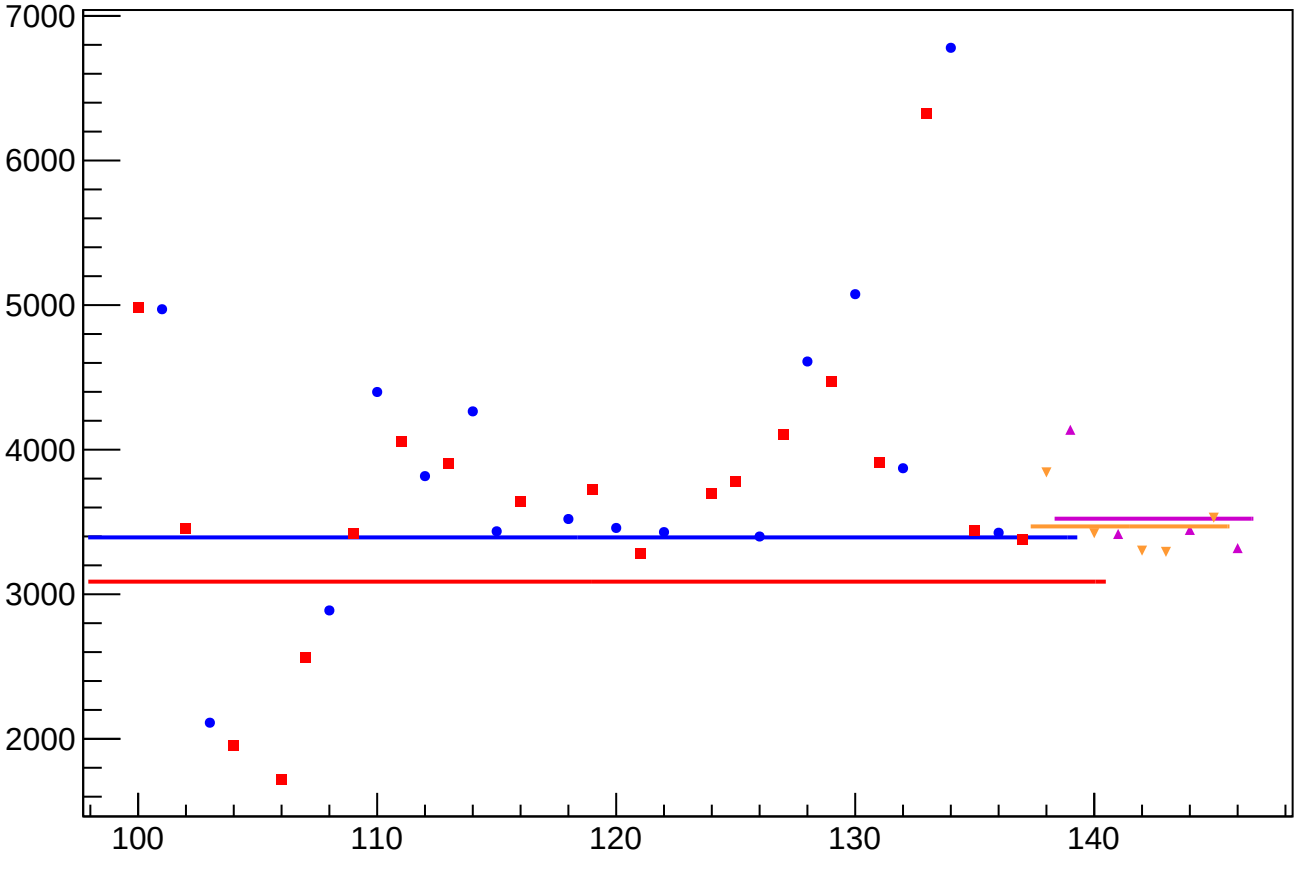
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -1125.488+/-1077.499 χ^2/NDF:17.0/19

Out: 1277.634+/-1015.059 χ^2/NDF:24.2/23

All: 147.716+/-738.843 χ^2/NDF: 43.8/43

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3469.272+/-1.284 χ^2/NDF:22212.9/4

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3522.707+/-1.333 χ^2/NDF:46630.3/3

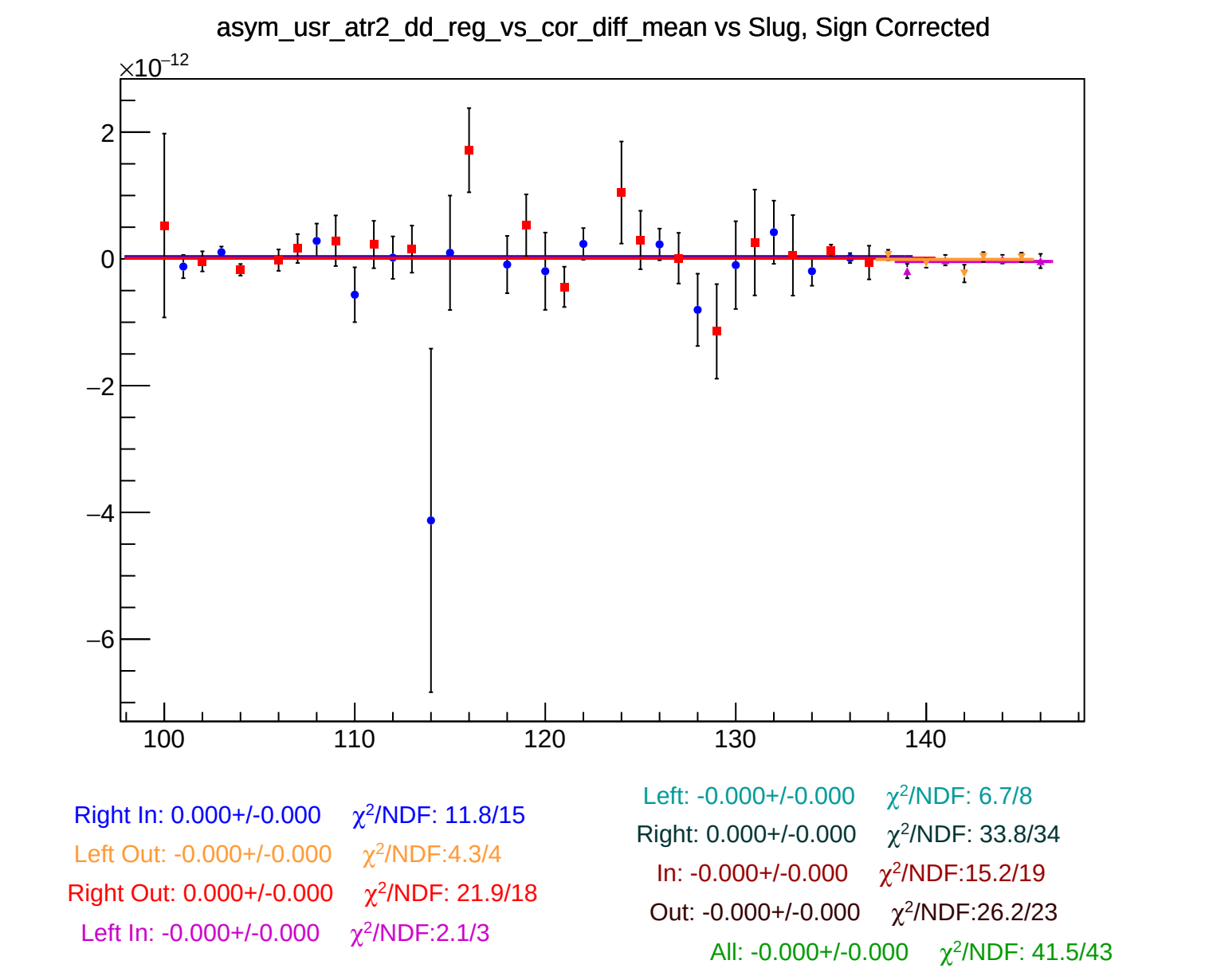
Left: 3494.974+/-0.925 χ^2/NDF: 69676.7/8

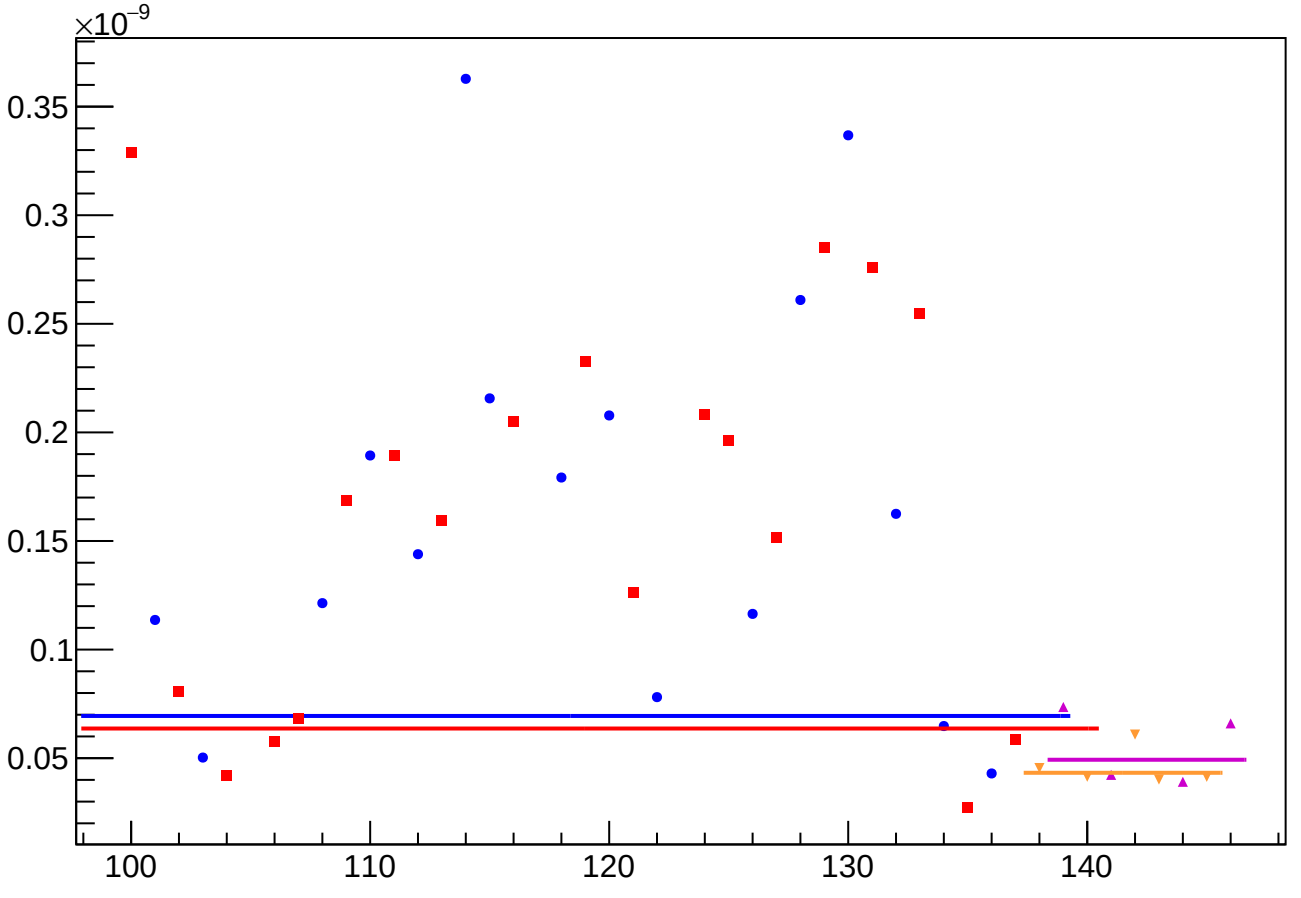
Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3435.593+/-0.762 χ^2/NDF:1101674.9/19

Out: 3203.963+/-0.709 χ^2/NDF:1412064.6/23

All: 3311.527+/-0.519 χ^2/NDF: 2563244.2/43


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:4.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/18
Left In: -0.000+/-0.000 χ²/NDF:2.1/3
Left: -0.000+/-0.000 χ²/NDF: 6.7/8
Right: 0.000+/-0.000 χ²/NDF: 33.8/34
In: -0.000+/-0.000 χ²/NDF:15.2/19
Out: -0.000+/-0.000 χ²/NDF:26.2/23
All: -0.000+/-0.000 χ²/NDF: 41.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:39167.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:193029.6/3

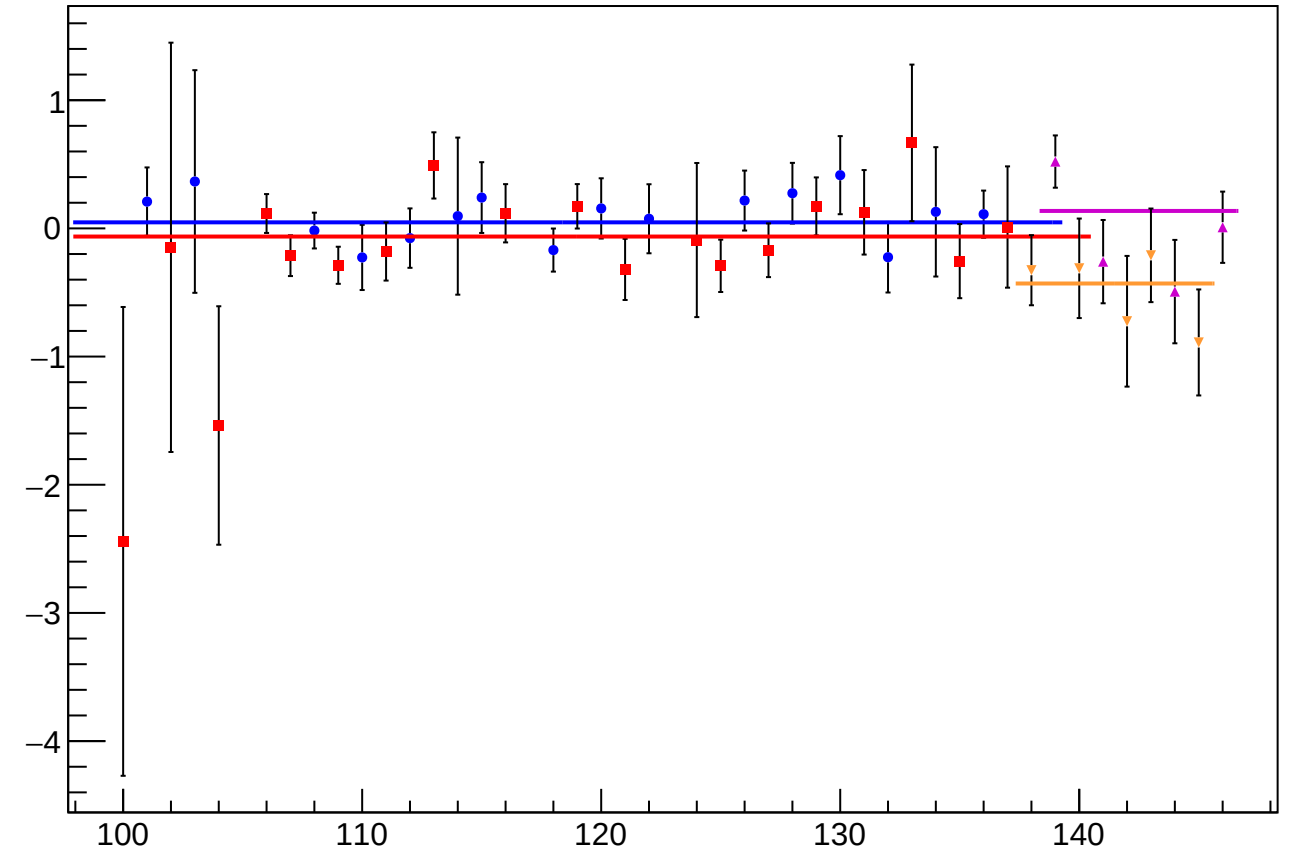
Left: 0.000+/-0.000 χ^2/NDF: 254013.7/8

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2110122.9/19

Out: 0.000+/-0.000 χ^2/NDF:2507227.9/23

All: 0.000+/-0.000 χ^2/NDF: 4679060.8/43



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.430+/-0.164 χ^2/NDF:2.2/4

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.136+/-0.138 χ^2/NDF:7.7/3

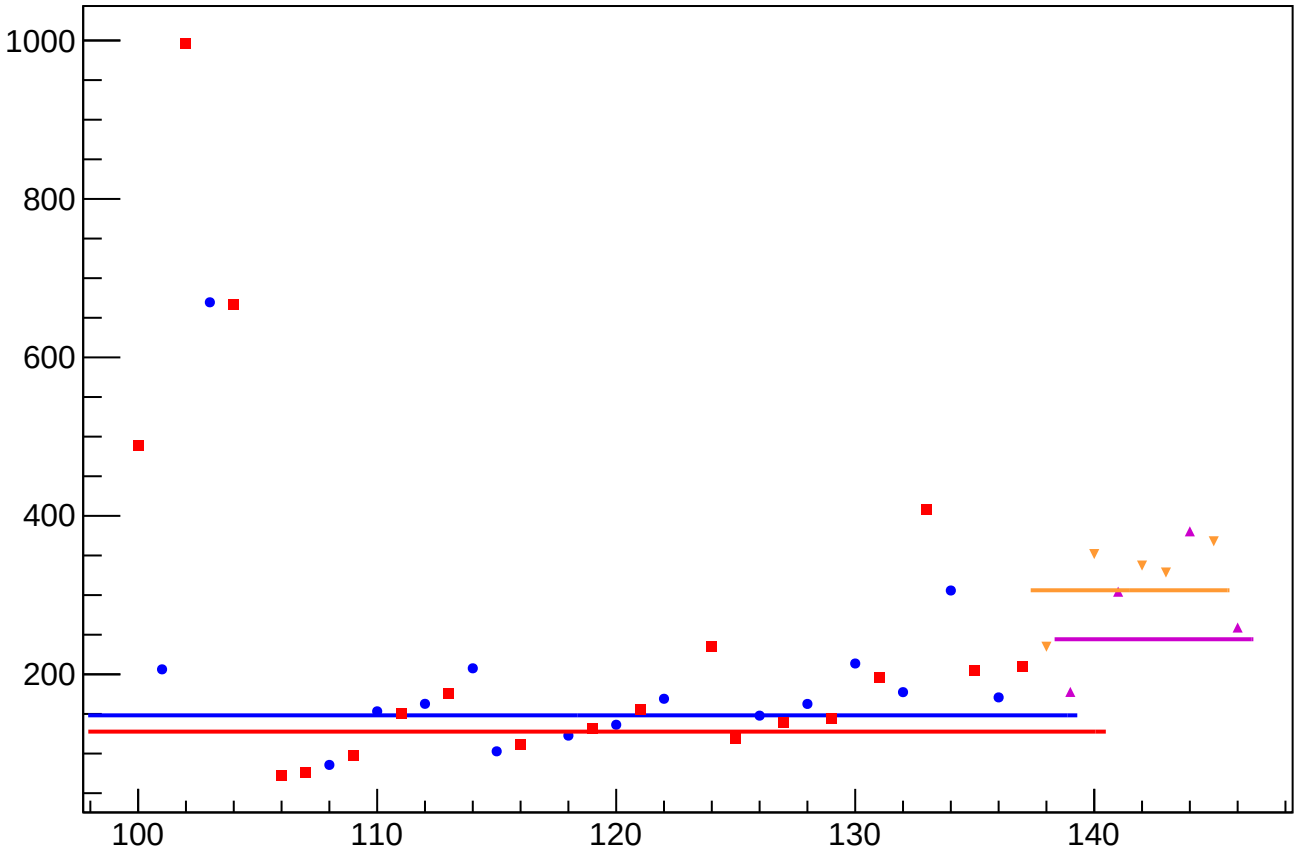
Left: -0.098+/-0.106 χ^2/NDF: 16.8/8

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.061+/-0.055 χ^2/NDF:16.6/19

Out: -0.100+/-0.052 χ^2/NDF:28.9/23

All: -0.024+/-0.038 χ^2/NDF: 50.1/43



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 306.077+/-0.116 χ^2/NDF:223060.4/4

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 244.269+/-0.097 χ^2/NDF:514403.3/3

Left: 269.873+/-0.075 χ^2/NDF: 903959.1/8

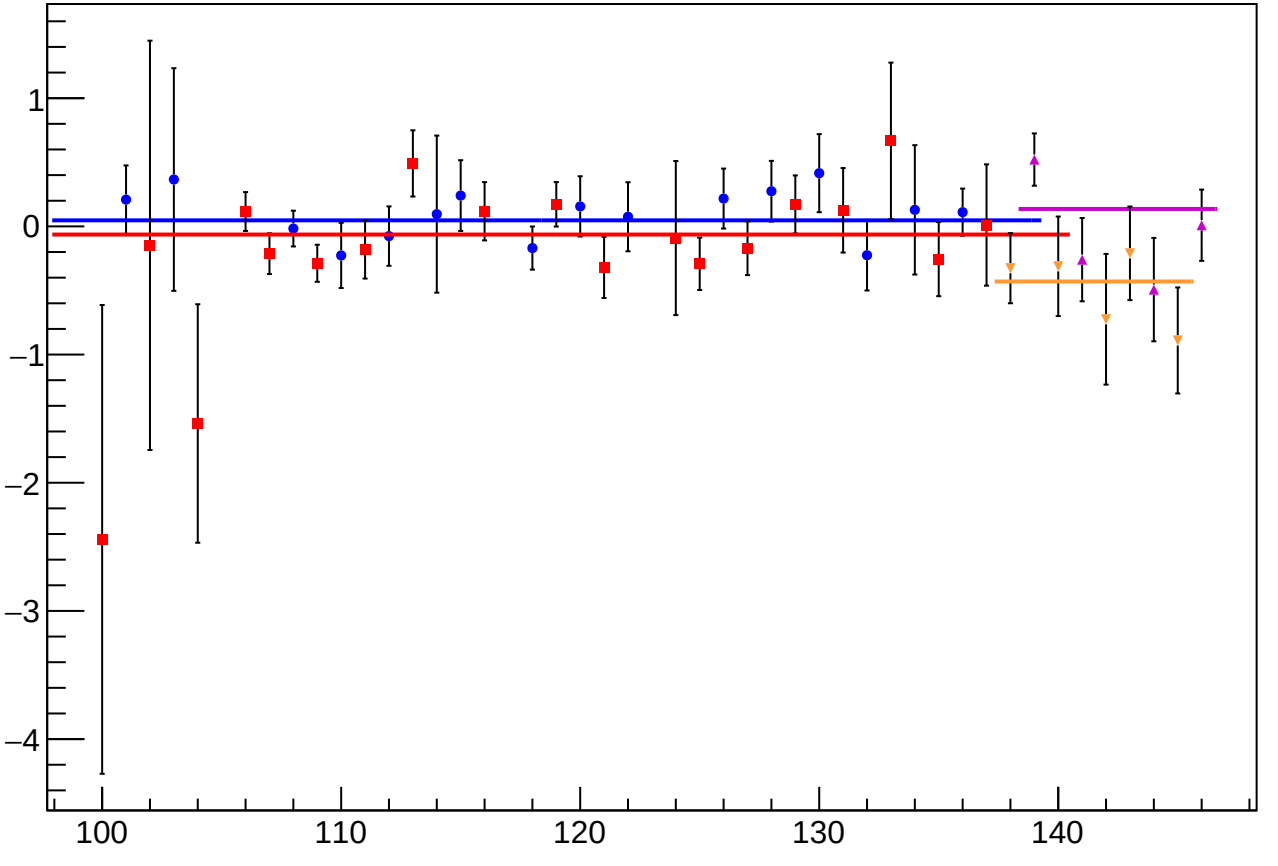
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 163.542+/-0.039 χ^2/NDF:3040013.3/19

Out: 145.534+/-0.037 χ^2/NDF:5195728.9/23

All: 154.003+/-0.027 χ^2/NDF: 8349164.0/43

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.430+/-0.164 χ^2/NDF:2.2/4

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.136+/-0.138 χ^2/NDF:7.7/3

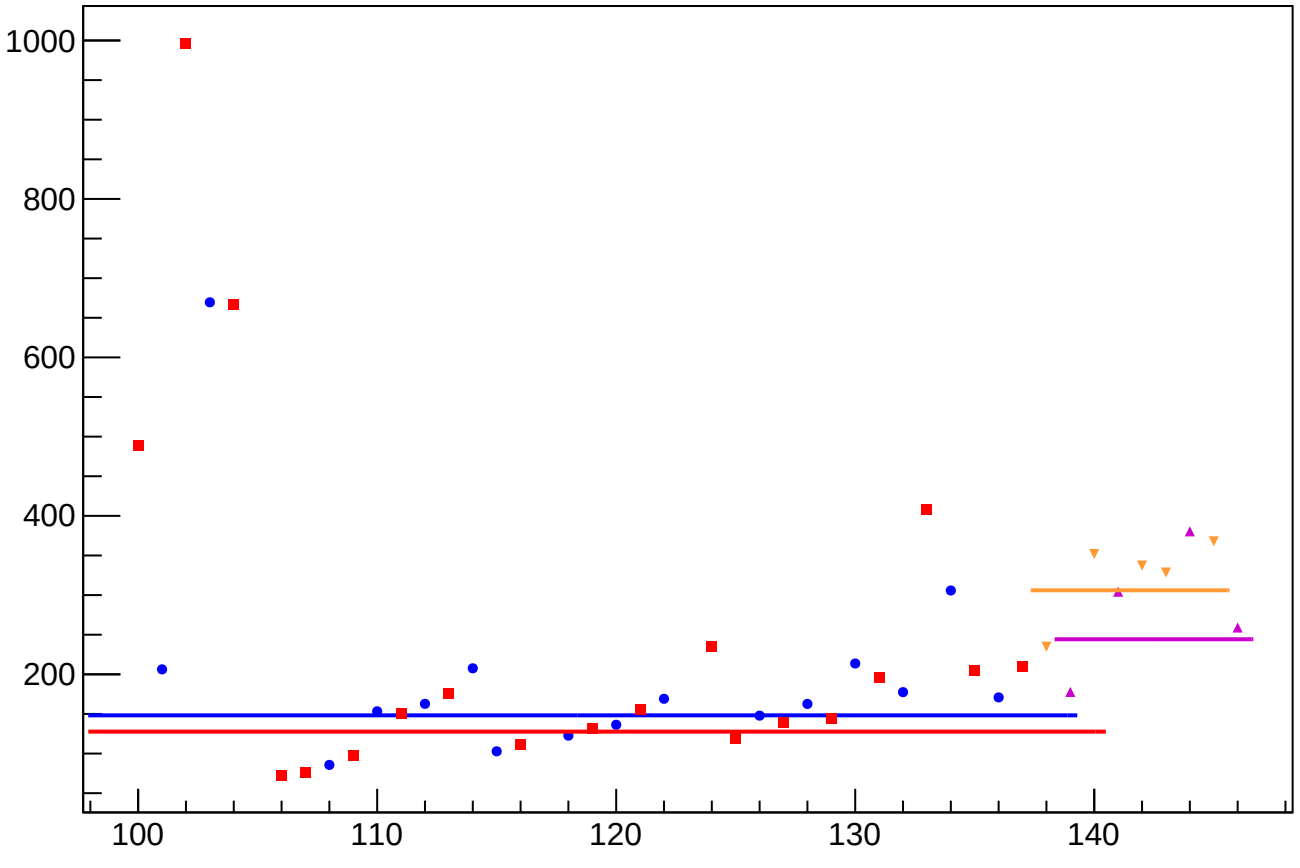
Left: -0.098+/-0.106 χ^2/NDF: 16.8/8

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.061+/-0.055 χ^2/NDF:16.6/19

Out: -0.100+/-0.052 χ^2/NDF:28.9/23

All: -0.024+/-0.038 χ^2/NDF: 50.1/43



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 306.077+/-0.116 χ^2/NDF:223060.4/4

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 244.269+/-0.097 χ^2/NDF:514403.3/3

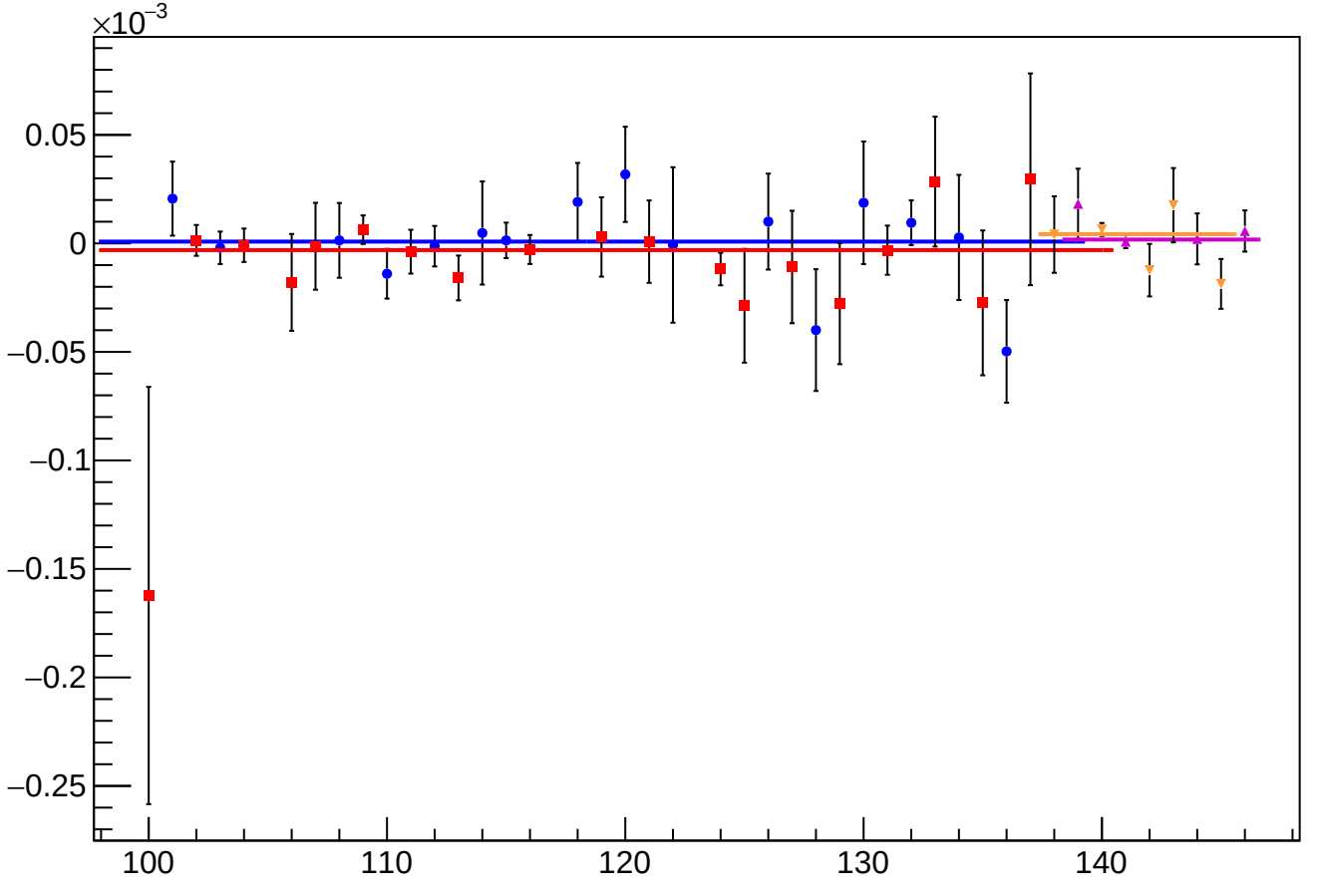
Left: 269.873+/-0.075 χ^2/NDF: 903959.1/8

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 163.542+/-0.039 χ^2/NDF:3040013.3/19

Out: 145.534+/-0.037 χ^2/NDF:5195728.9/23

All: 154.003+/-0.027 χ^2/NDF: 8349164.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/3

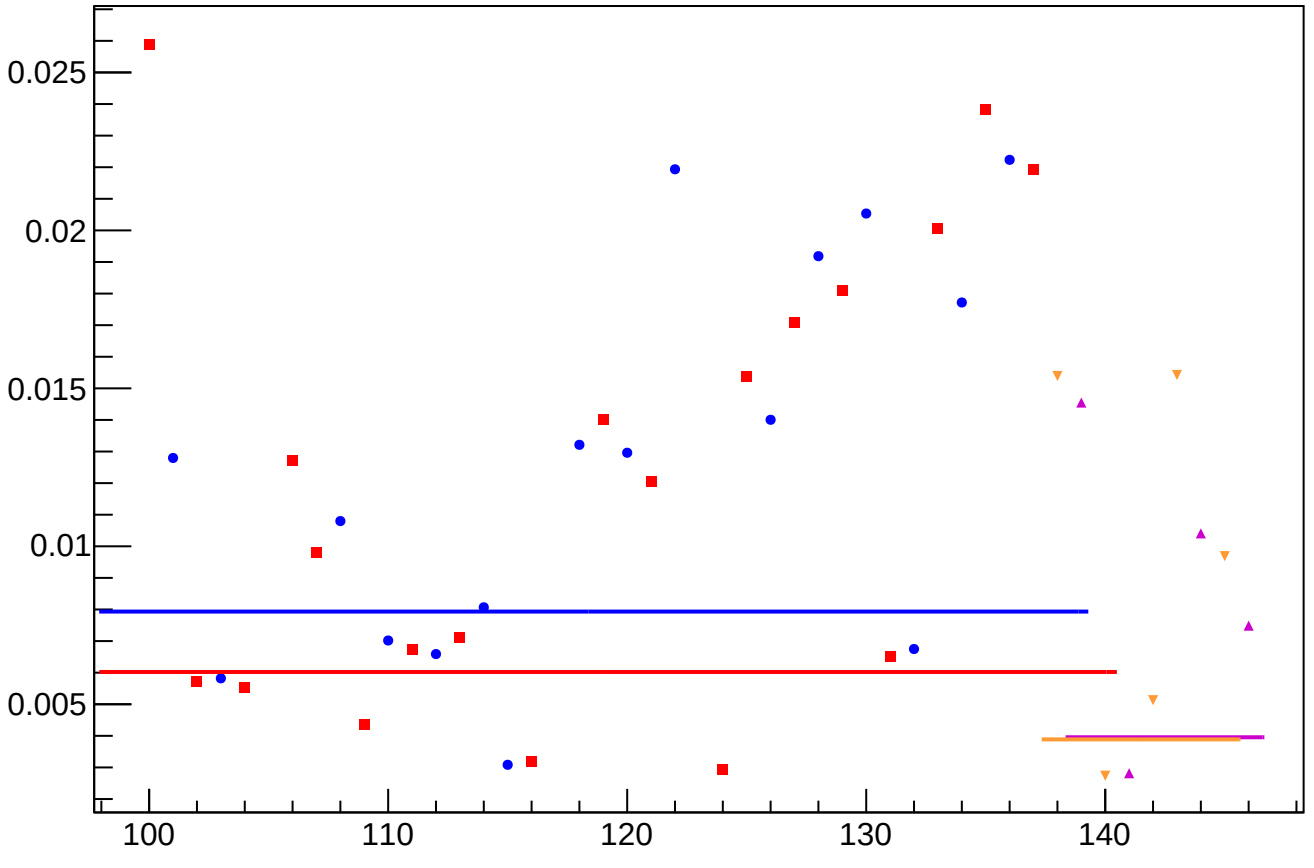
Left: 0.000+/-0.000 χ^2/NDF: 8.7/8

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:15.6/19

Out: 0.000+/-0.000 χ^2/NDF:23.4/23

All: 0.000+/-0.000 χ^2/NDF: 39.2/43



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:2585818.4/4

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.004+/-0.000 χ^2/NDF:2027580.7/3

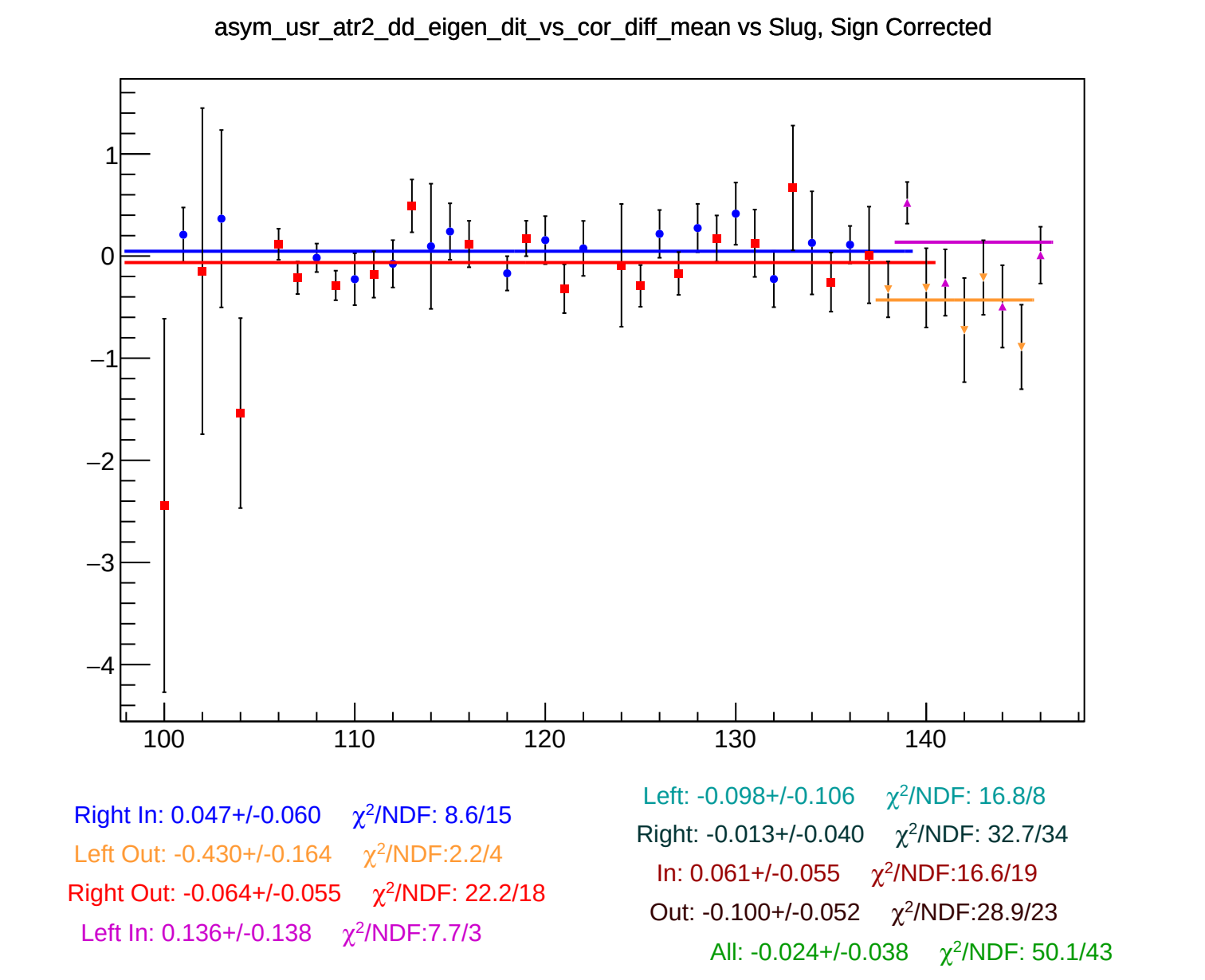
Left: 0.004+/-0.000 χ^2/NDF: 4614009.2/8

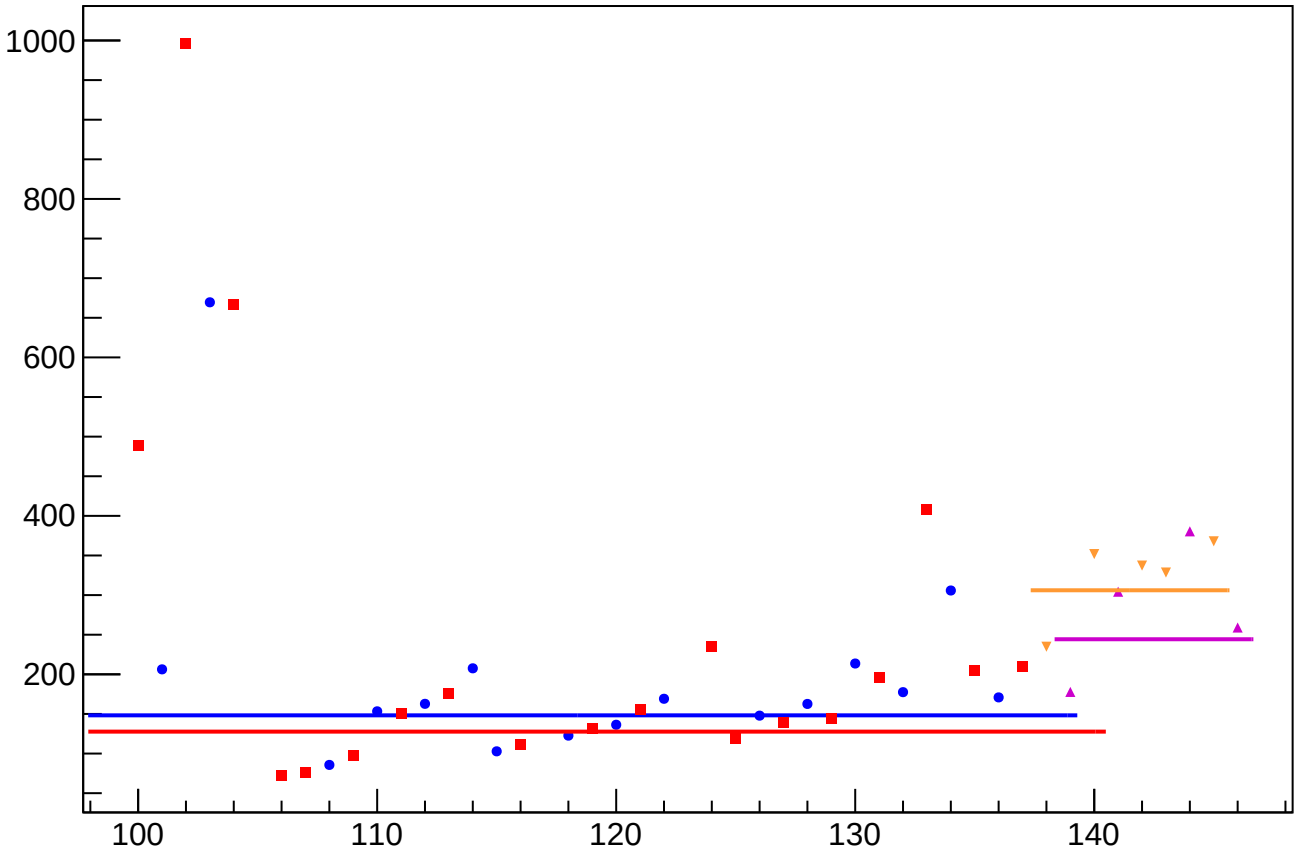
Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.005+/-0.000 χ^2/NDF:7229979.9/19

Out: 0.005+/-0.000 χ^2/NDF:7225354.9/23

All: 0.005+/-0.000 χ^2/NDF: 14513855.6/43


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.430+/-0.164 χ²/NDF:2.2/4
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.136+/-0.138 χ²/NDF:7.7/3
Left: -0.098+/-0.106 χ²/NDF: 16.8/8
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.061+/-0.055 χ²/NDF:16.6/19
Out: -0.100+/-0.052 χ²/NDF:28.9/23
All: -0.024+/-0.038 χ²/NDF: 50.1/43



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 306.081+/-0.116 χ^2/NDF:223043.7/4

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.272+/-0.097 χ^2/NDF:514381.6/3

Left: 269.876+/-0.075 χ^2/NDF: 903921.1/8

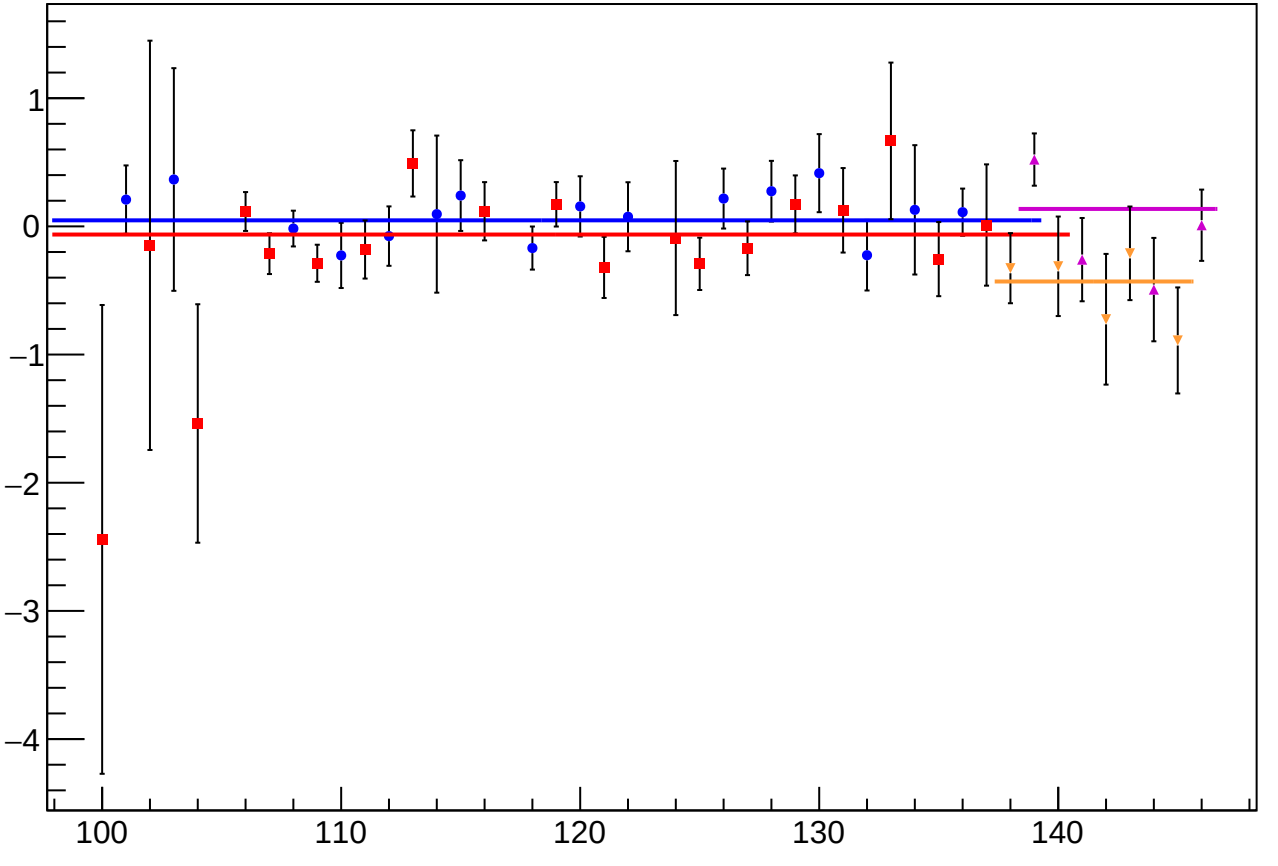
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 163.540+/-0.039 χ^2/NDF:3040153.3/19

Out: 145.534+/-0.037 χ^2/NDF:5195752.1/23

All: 154.002+/-0.027 χ^2/NDF: 8349299.6/43

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: -0.430+/-0.164 χ^2/NDF:2.2/4

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.136+/-0.138 χ^2/NDF:7.7/3

Left: -0.098+/-0.106 χ^2/NDF: 16.8/8

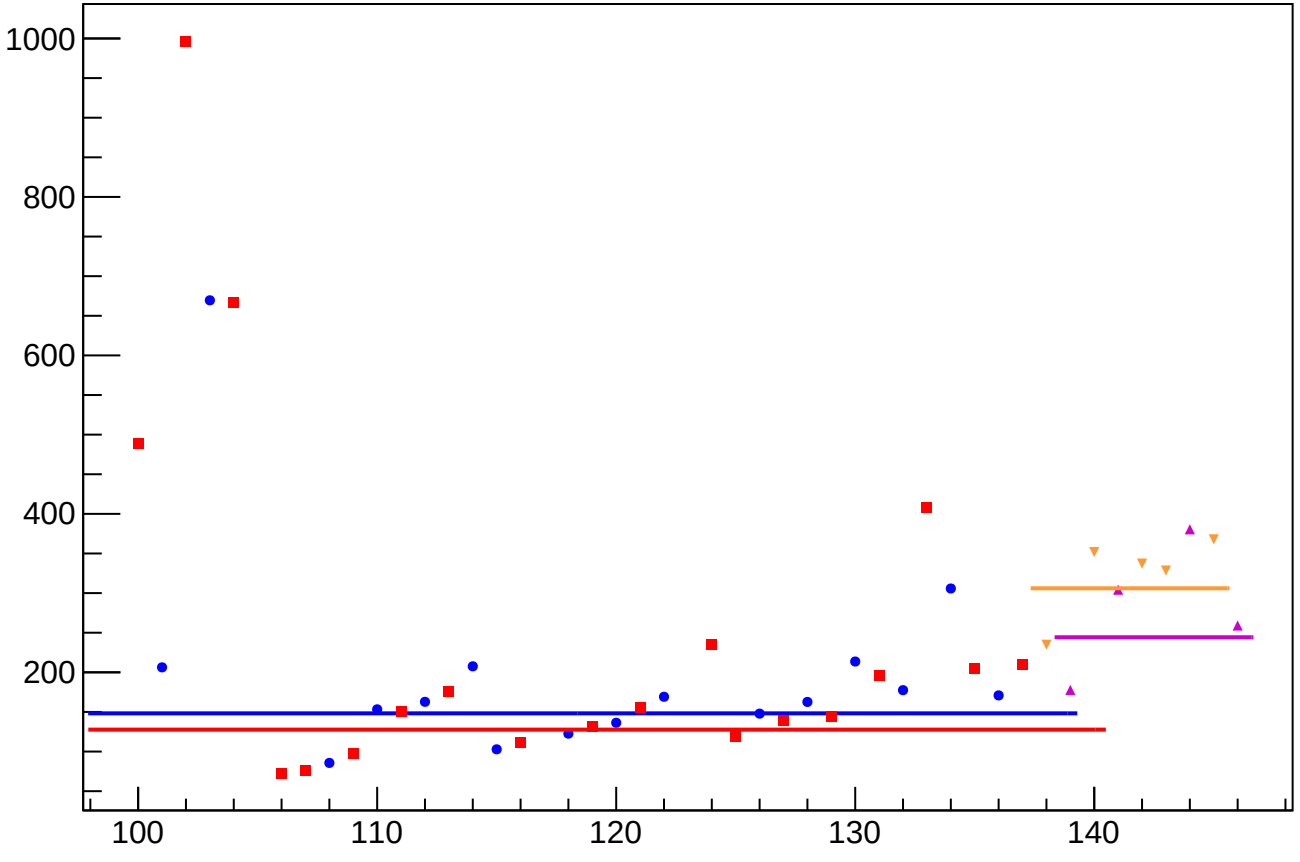
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.061+/-0.055 χ^2/NDF:16.6/19

Out: -0.100+/-0.052 χ^2/NDF:28.9/23

All: -0.024+/-0.038 χ^2/NDF: 50.1/43

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: 306.081+/-0.116 χ^2/NDF:223043.7/4

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.272+/-0.097 χ^2/NDF:514381.6/3

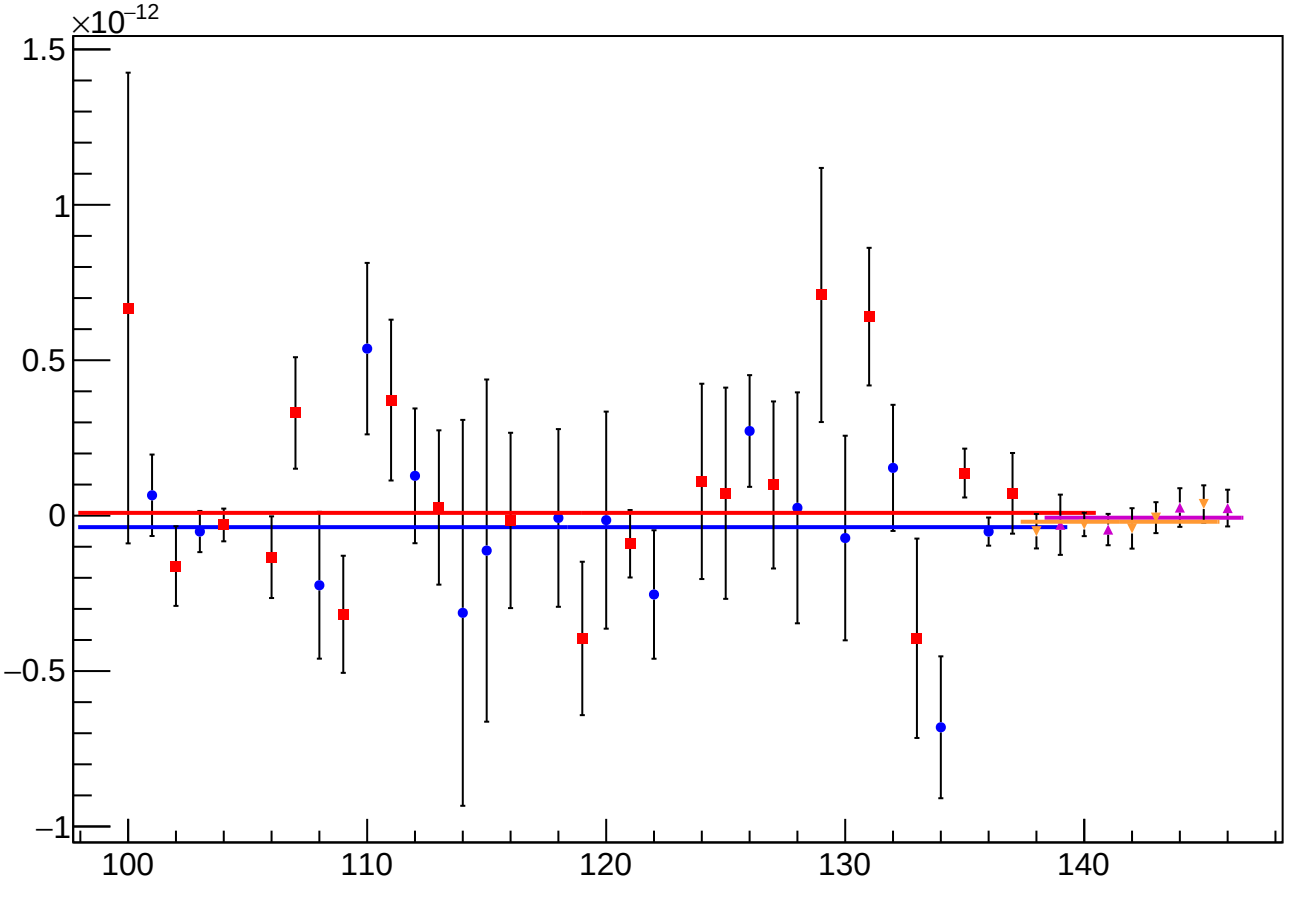
Left: 269.876+/-0.075 χ^2/NDF: 903921.1/8

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 163.540+/-0.039 χ^2/NDF:3040153.3/19

Out: 145.534+/-0.037 χ^2/NDF:5195752.1/23

All: 154.002+/-0.027 χ^2/NDF: 8349299.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

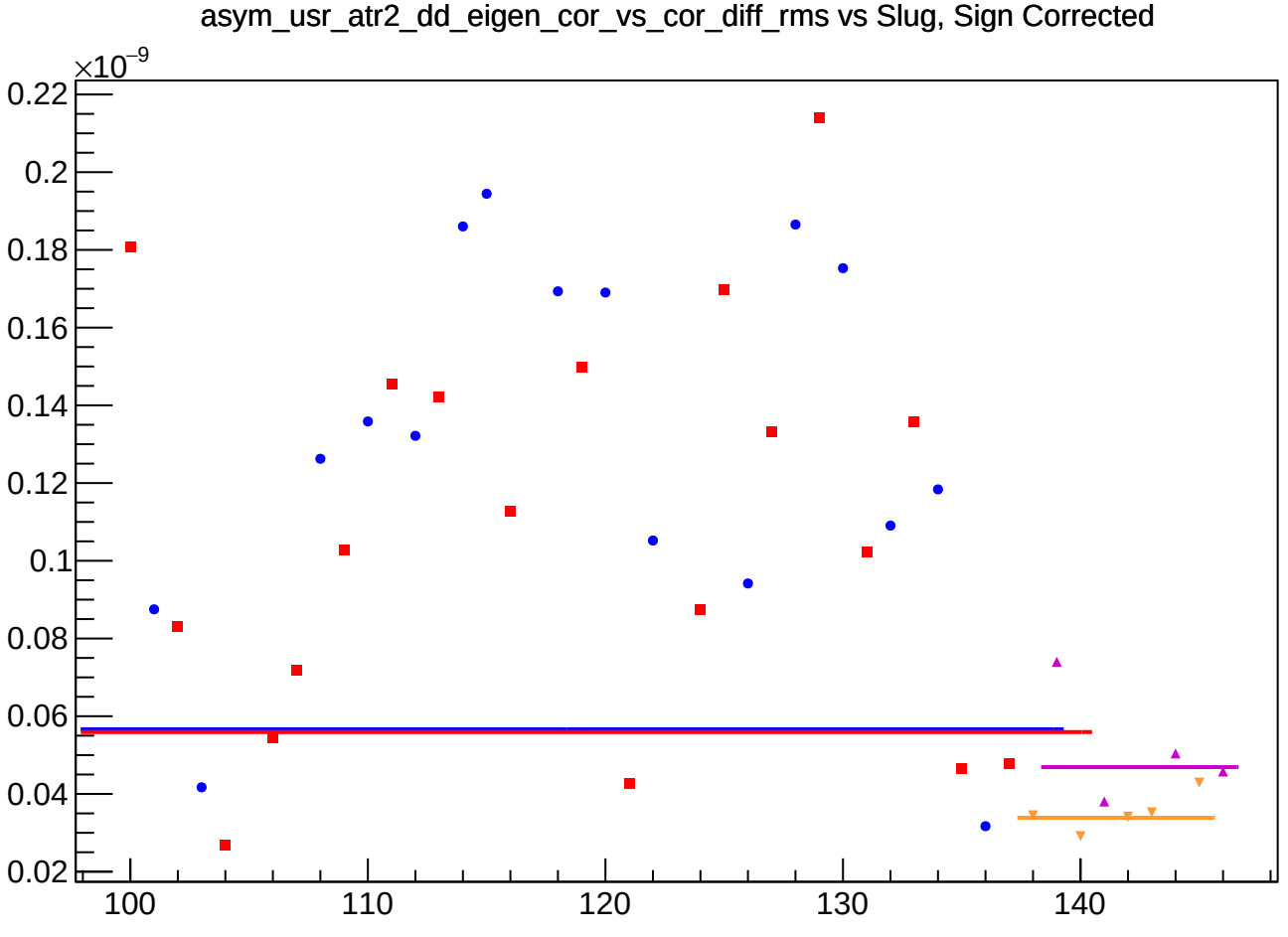
Left: -0.000+/-0.000 χ^2/NDF: 2.7/8

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:21.1/19

Out: -0.000+/-0.000 χ^2/NDF:33.7/23

All: -0.000+/-0.000 χ^2/NDF: 55.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:79071.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:225118.7/3

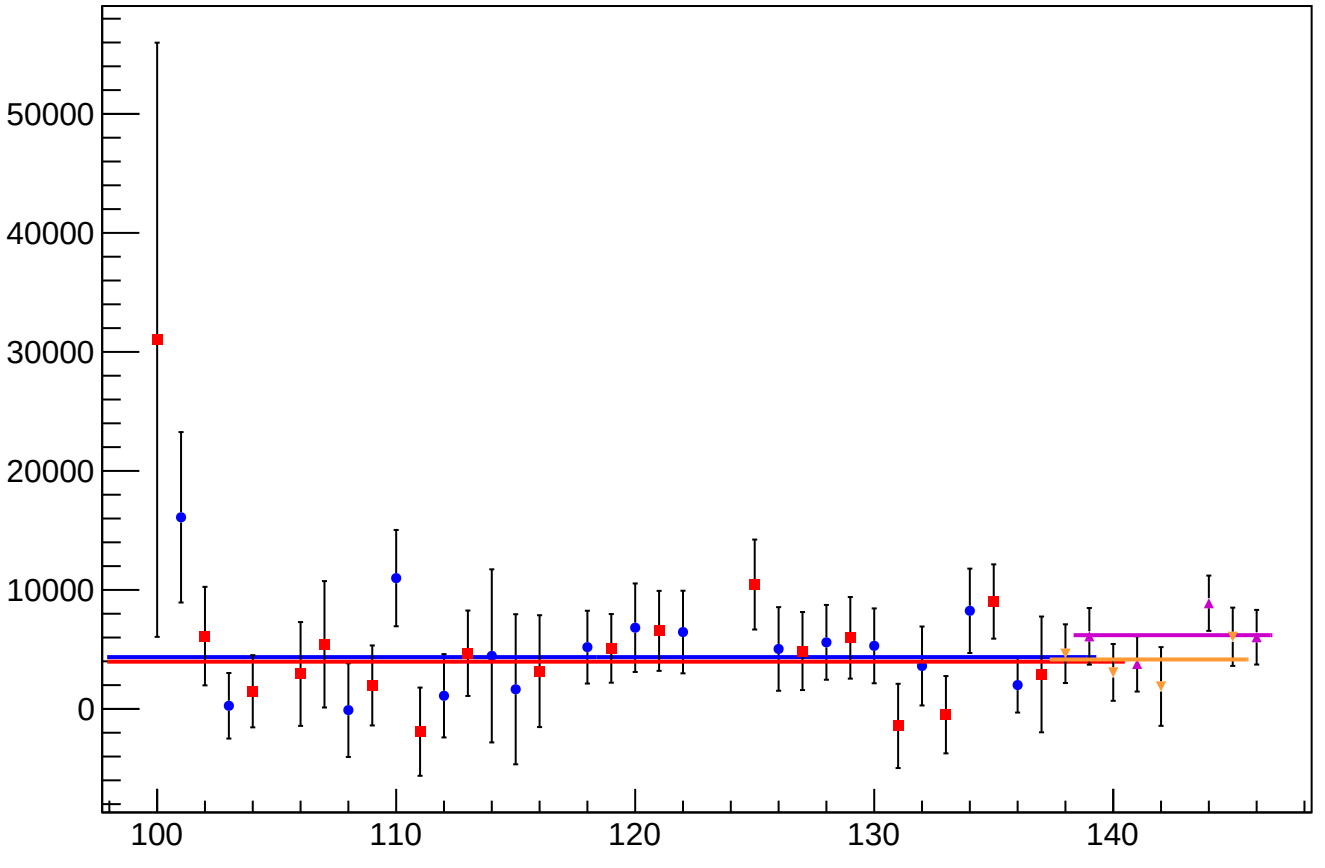
Left: 0.000+/-0.000 χ^2/NDF: 535796.2/8

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3433692.6/19

Out: 0.000+/-0.000 χ^2/NDF:3445374.2/23

All: 0.000+/-0.000 χ^2/NDF: 7135537.6/43



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4155.885+/-1292.996 χ^2/NDF:1.3/3

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 6197.912+/-1164.756 χ^2/NDF:2.4/3

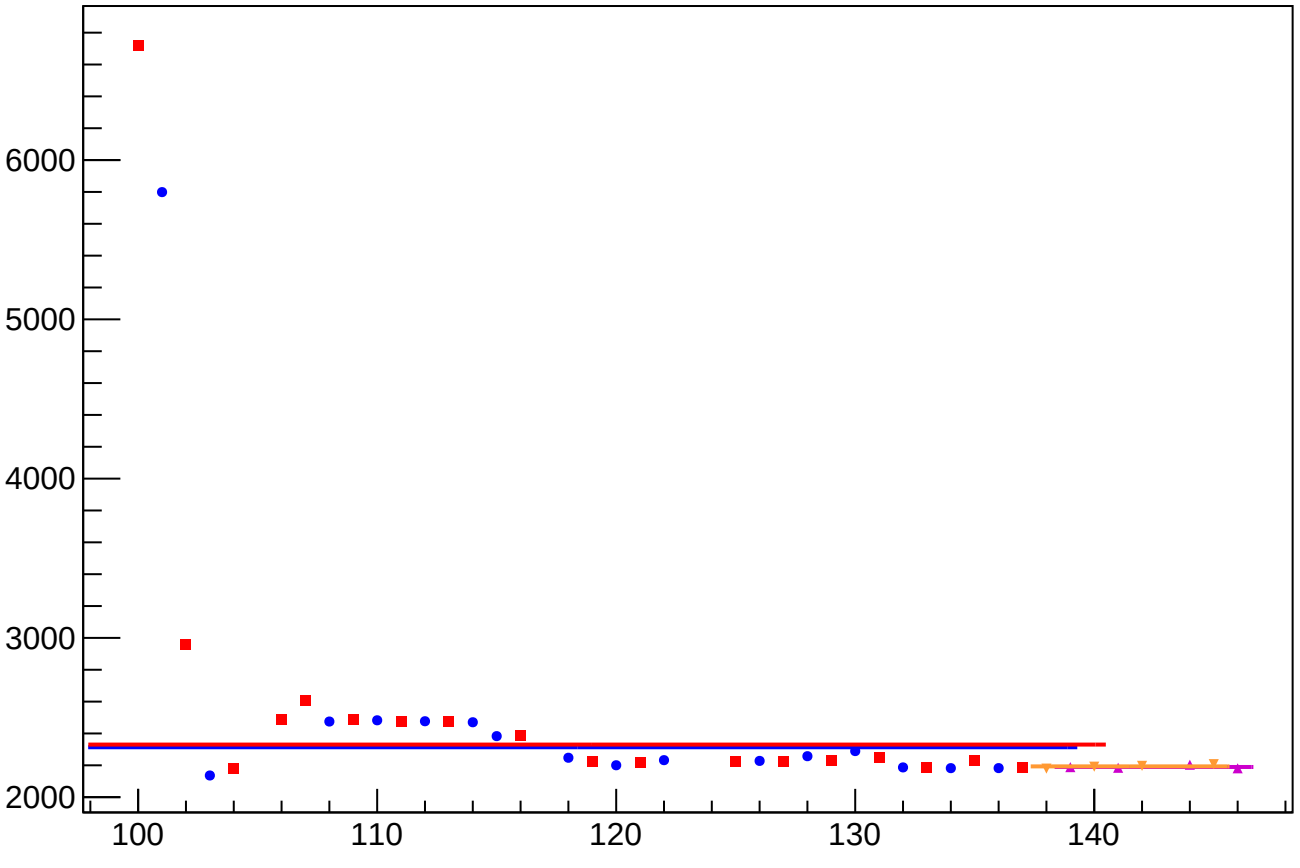
Left: 5283.157+/-865.403 χ^2/NDF: 5.1/7

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 5019.576+/-699.666 χ^2/NDF:17.4/19

Out: 4029.204+/-722.560 χ^2/NDF:17.5/21

All: 4540.328+/-502.637 χ^2/NDF: 35.9/41



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2193.251+/-0.914 χ^2/NDF:132.3/3

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

Left: 2191.200+/-0.612 χ^2/NDF: 251.0/7

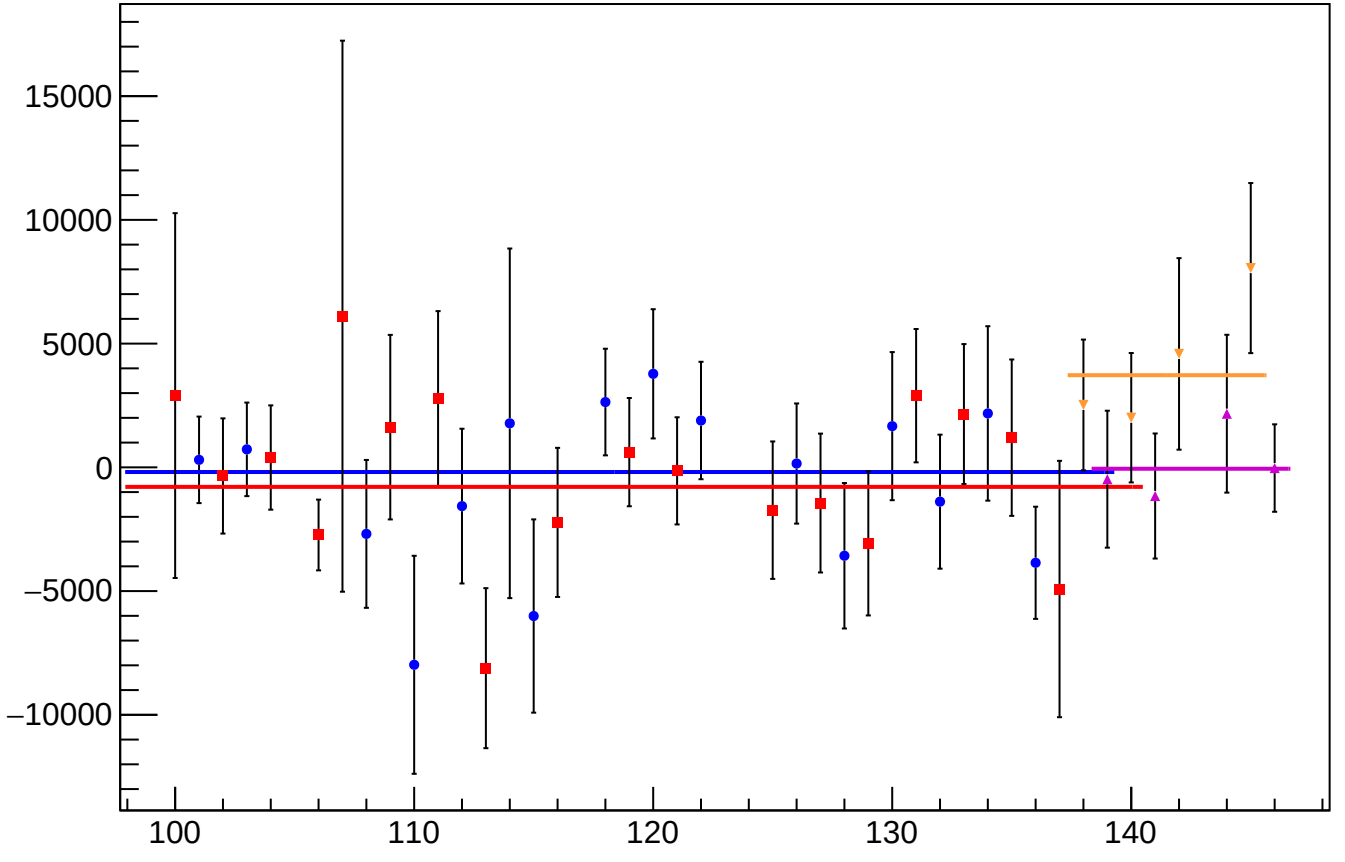
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2268.714+/-0.495 χ^2/NDF:526941.0/19

Out: 2287.433+/-0.511 χ^2/NDF:166772.7/21

All: 2277.772+/-0.355 χ^2/NDF: 694406.4/41

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: 3724.014+/-1505.591 χ^2/NDF:2.3/3

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: -56.584+/-1190.255 χ^2/NDF:0.7/3

Left: 1397.463+/-933.719 χ^2/NDF: 6.9/7

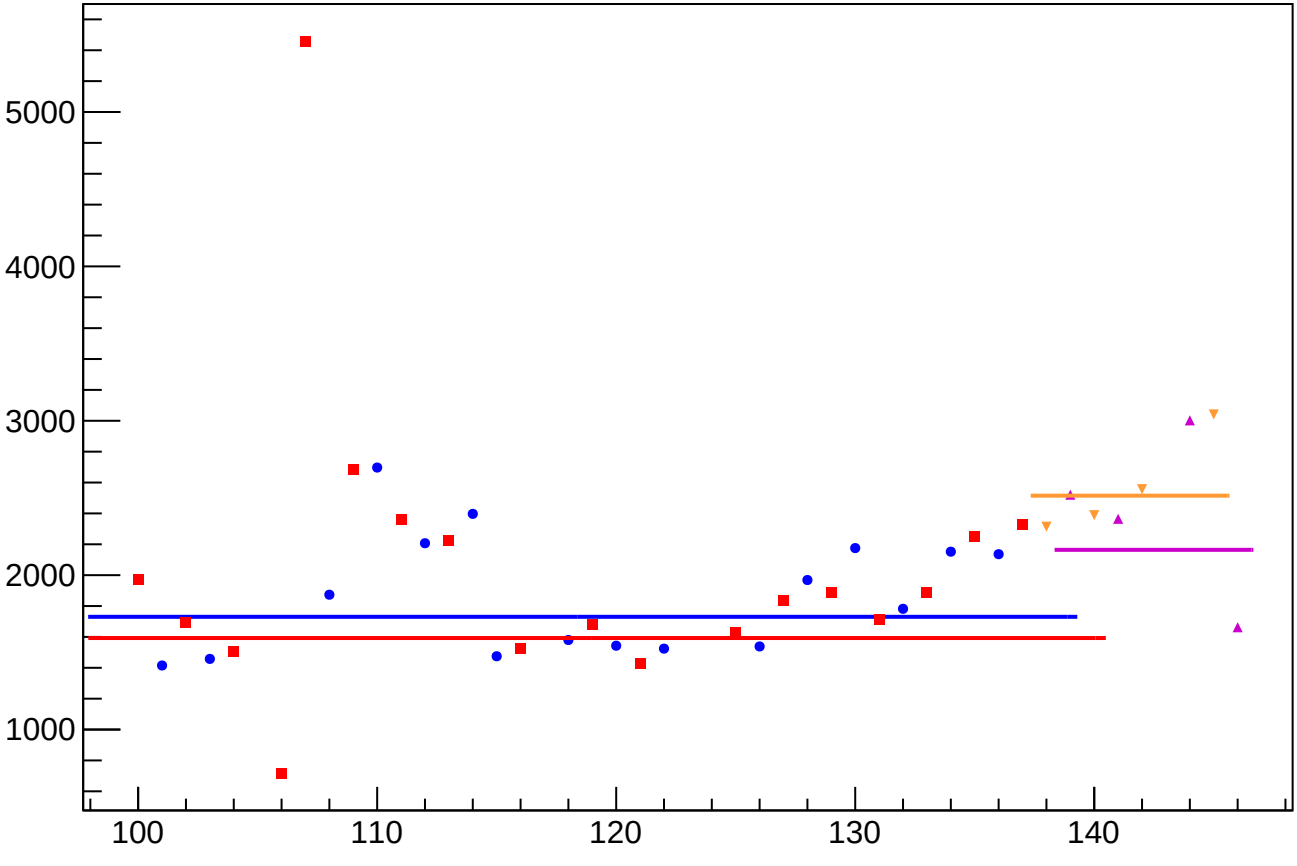
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: -157.720+/-576.086 χ^2/NDF:17.1/19

Out: -107.901+/-585.012 χ^2/NDF:24.8/21

All: -133.193+/-410.474 χ^2/NDF: 42.0/41

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: 2515.004+/-1.065 χ^2/NDF:63408.3/3

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 2164.123+/-0.842 χ^2/NDF:345282.0/3

Left: 2299.075+/-0.660 χ^2/NDF: 475538.2/7

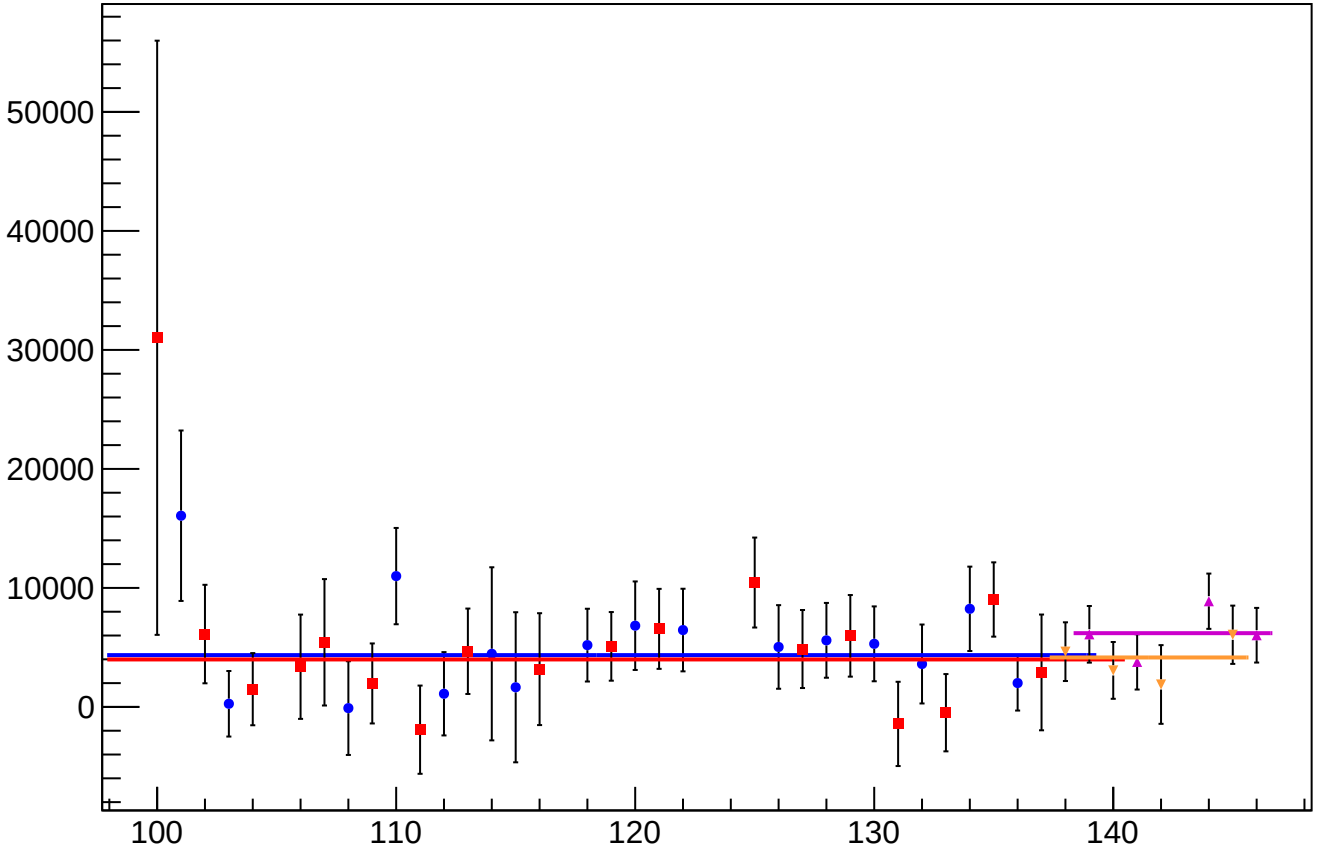
Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1831.917+/-0.407 χ^2/NDF:1027675.5/19

Out: 1732.053+/-0.414 χ^2/NDF:2256651.8/21

All: 1782.753+/-0.290 χ^2/NDF: 3313915.0/41

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: 4156.053+/-1292.996 χ^2/NDF:1.3/3

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 6198.176+/-1164.756 χ^2/NDF:2.4/3

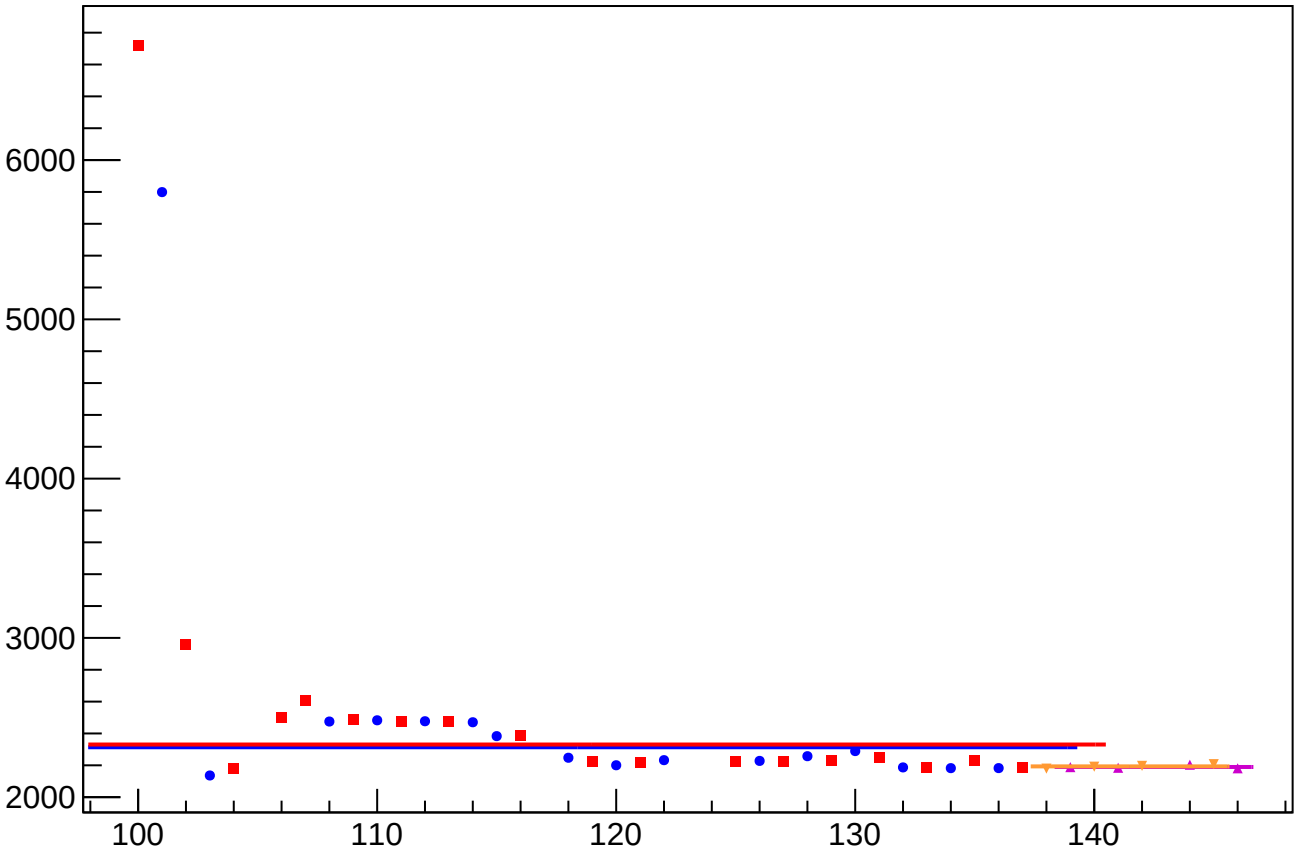
Left: 5283.378+/-865.403 χ^2/NDF: 5.1/7

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 5019.237+/-699.666 χ^2/NDF:17.4/19

Out: 4041.789+/-722.646 χ^2/NDF:17.5/21

All: 4546.301+/-502.666 χ^2/NDF: 35.8/41



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2193.251+/-0.914 χ^2/NDF:132.3/3

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

Left: 2191.200+/-0.612 χ^2/NDF: 251.0/7

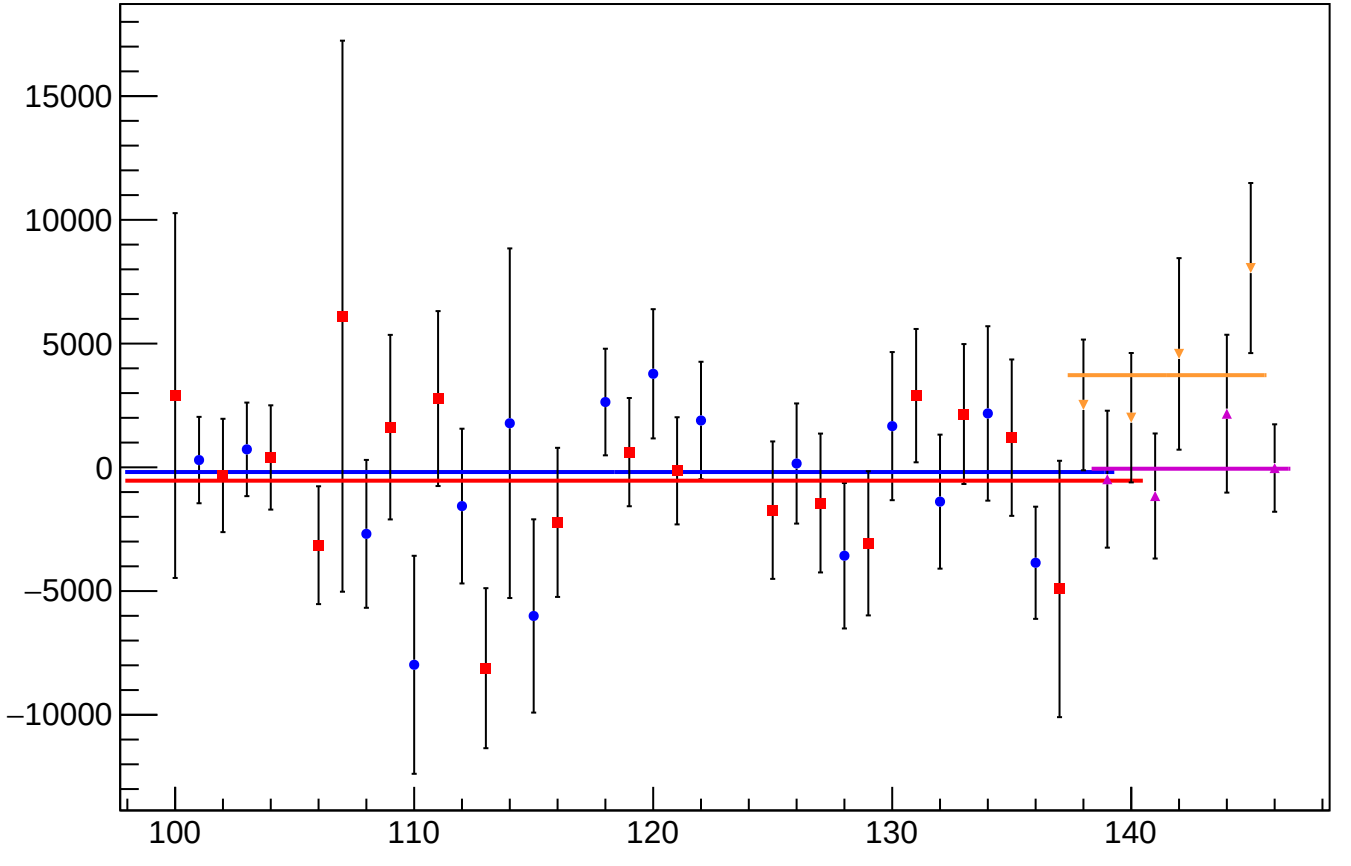
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2268.714+/-0.495 χ^2/NDF:526941.4/19

Out: 2287.677+/-0.511 χ^2/NDF:167200.4/21

All: 2277.889+/-0.355 χ^2/NDF: 694852.7/41

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 3724.088+/-1505.586 χ^2/NDF:2.3/3

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: -56.596+/-1190.258 χ^2/NDF:0.7/3

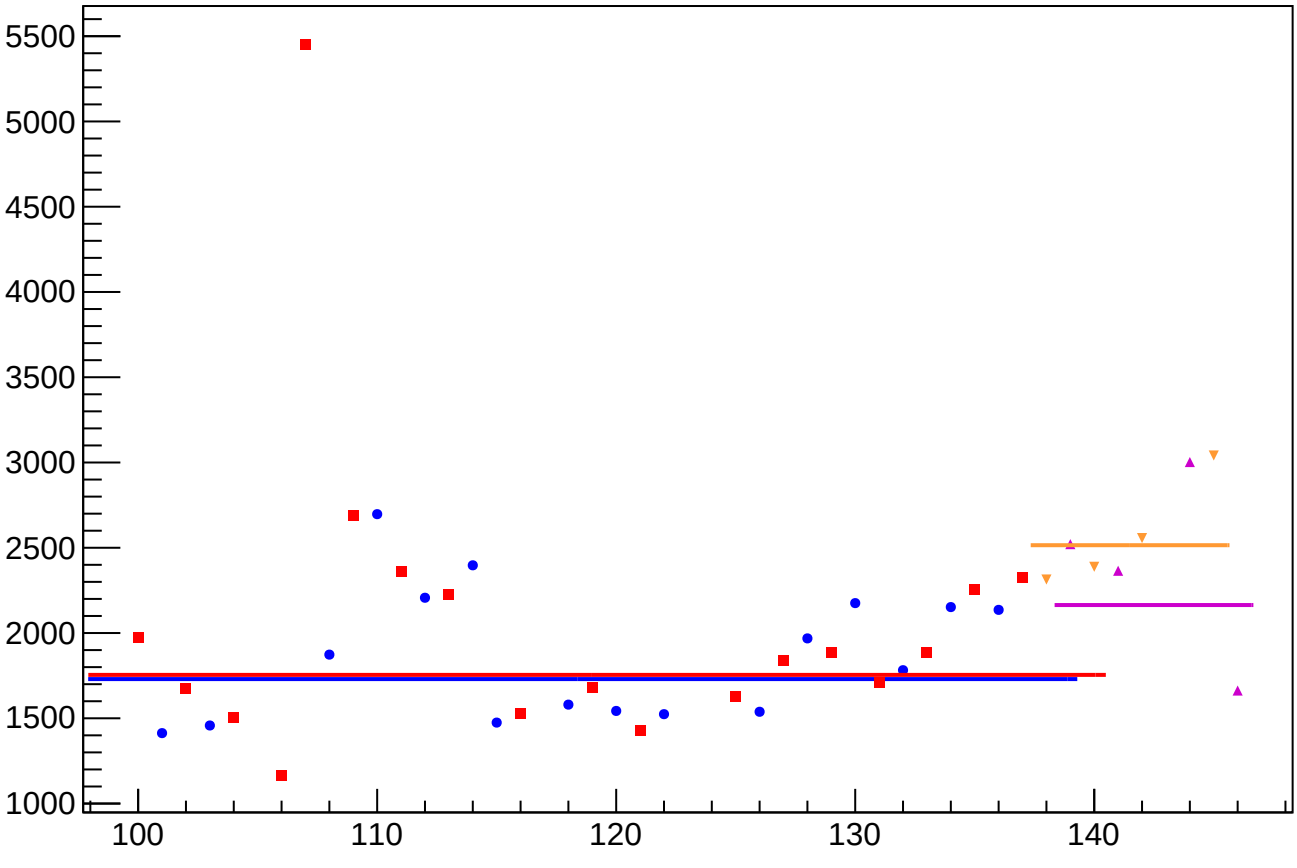
Left: 1397.495+/-933.719 χ^2/NDF: 6.9/7

Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -158.576+/-576.000 χ^2/NDF:17.1/19

Out: 179.706+/-618.371 χ^2/NDF:22.8/21

All: -1.421+/-421.477 χ^2/NDF: 40.1/41



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2514.994+/-1.065 χ^2/NDF:63406.0/3

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2164.128+/-0.842 χ^2/NDF:345280.0/3

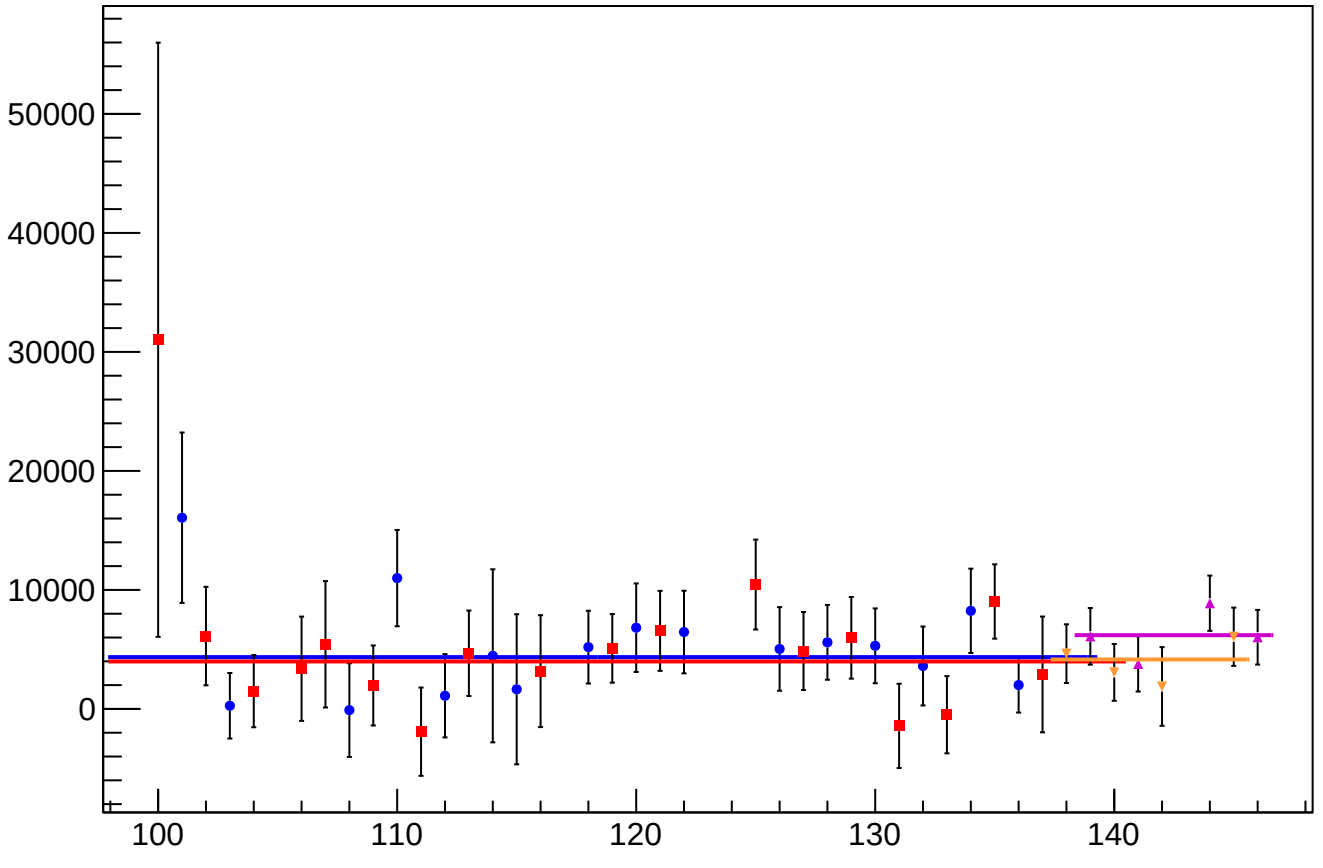
Left: 2299.075+/-0.660 χ^2/NDF: 475528.2/7

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1831.589+/-0.407 χ^2/NDF:1029027.9/19

Out: 1882.809+/-0.437 χ^2/NDF:1238589.8/21

All: 1855.384+/-0.298 χ^2/NDF: 2274964.7/41



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4156.053+/-1292.996 χ^2/NDF:1.3/3

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 6198.176+/-1164.756 χ^2/NDF:2.4/3

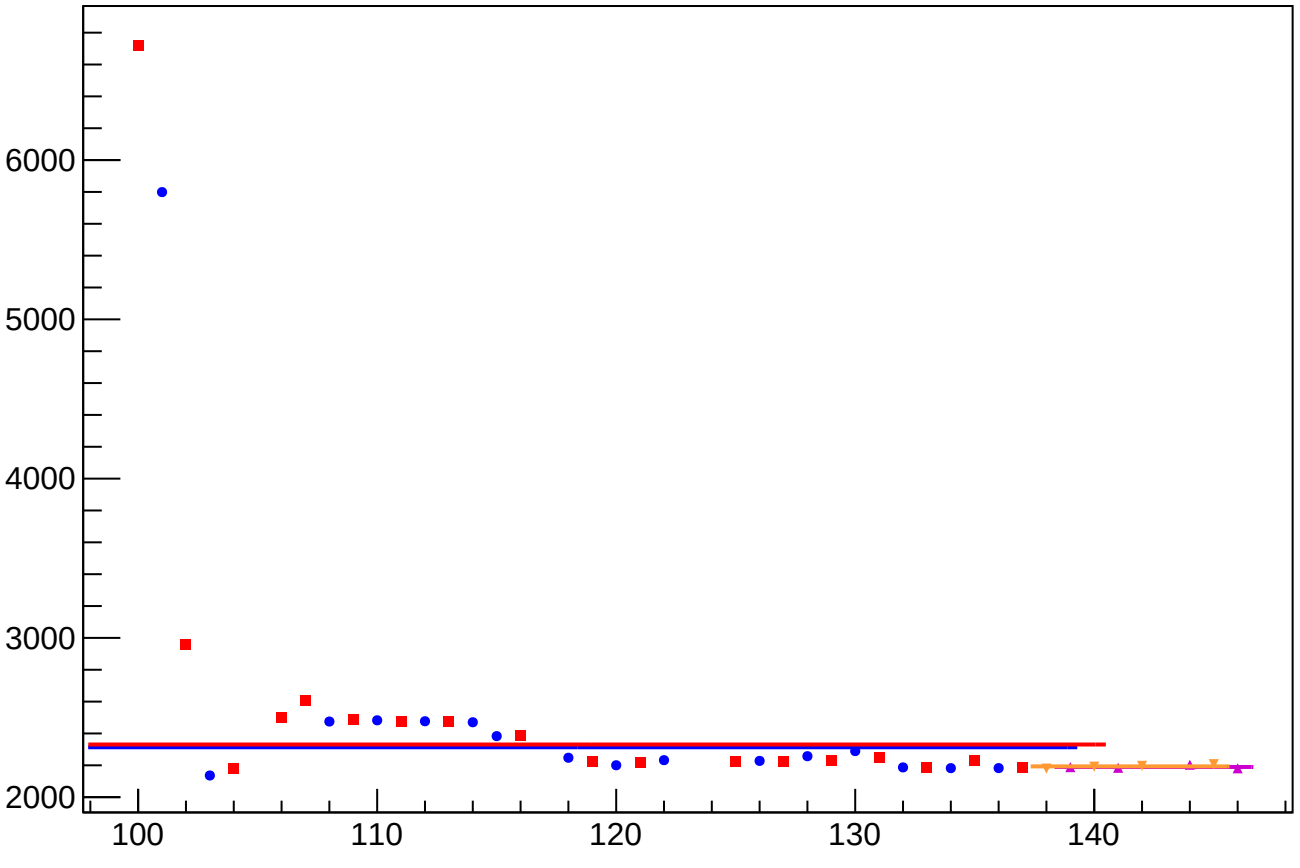
Left: 5283.378+/-865.403 χ^2/NDF: 5.1/7

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 5019.237+/-699.666 χ^2/NDF:17.4/19

Out: 4041.789+/-722.646 χ^2/NDF:17.5/21

All: 4546.301+/-502.666 χ^2/NDF: 35.8/41



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2193.251+/-0.914 χ^2/NDF:132.3/3

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

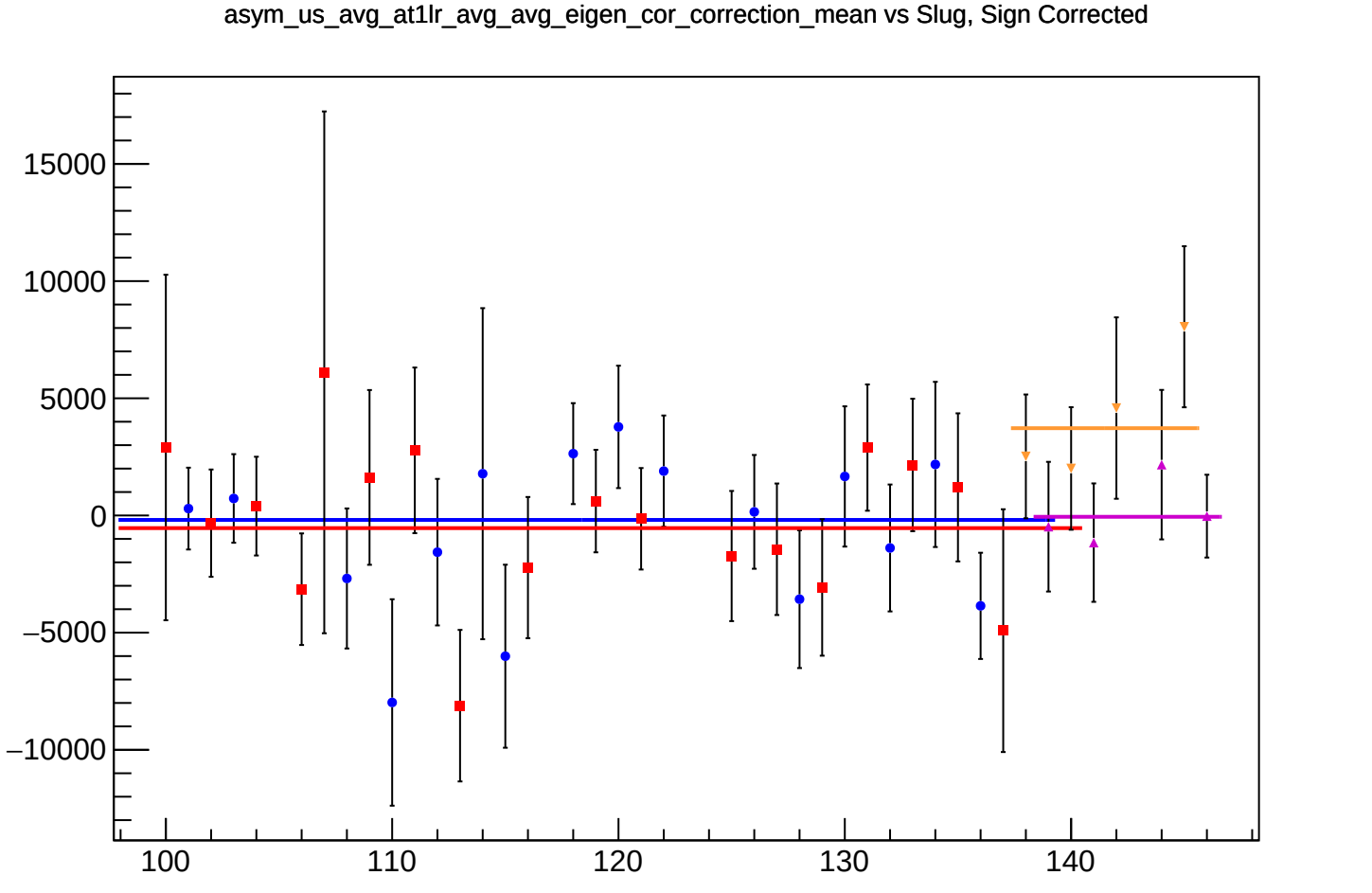
Left: 2191.200+/-0.612 χ^2/NDF: 251.0/7

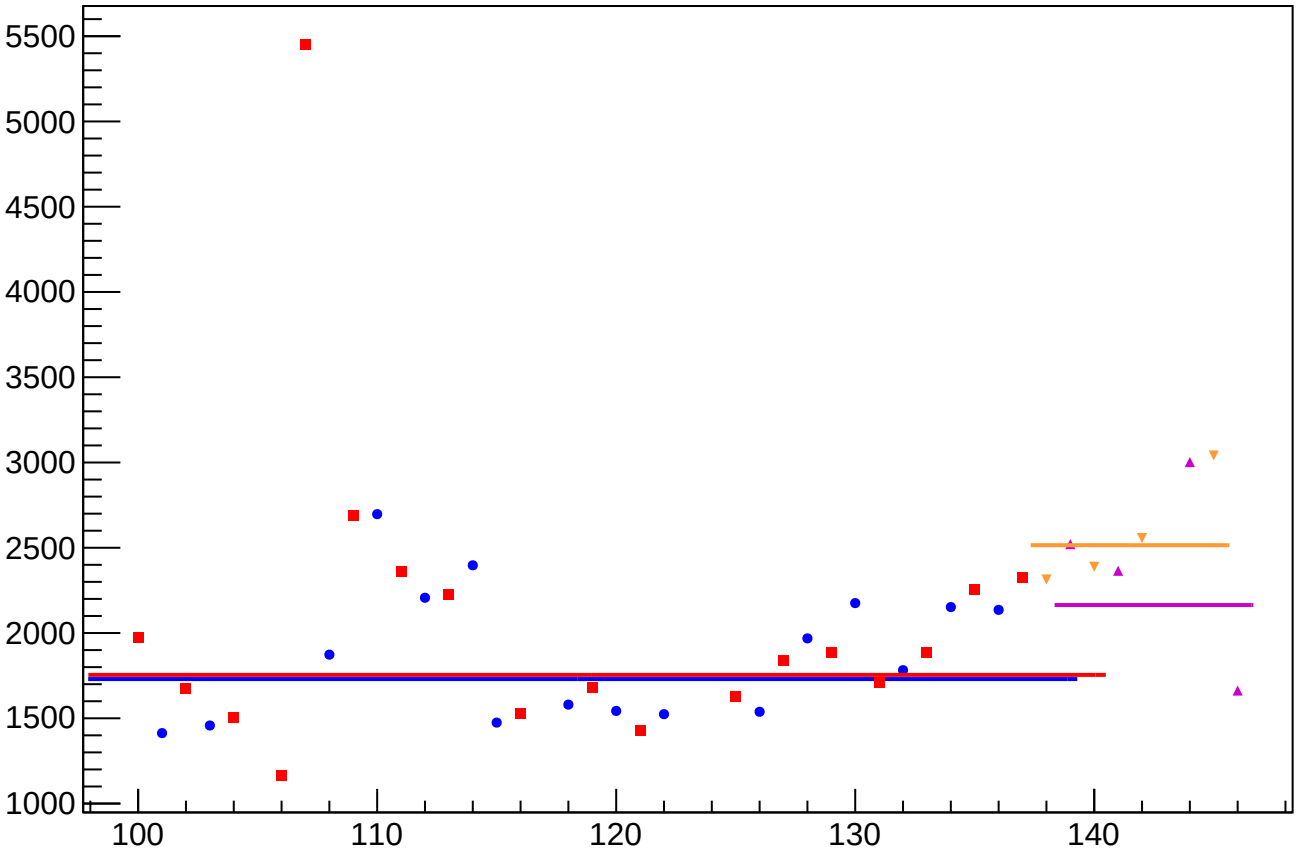
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2268.714+/-0.495 χ^2/NDF:526941.4/19

Out: 2287.677+/-0.511 χ^2/NDF:167200.4/21

All: 2277.889+/-0.355 χ^2/NDF: 694852.7/41


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
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 3724.088+/-1505.586 χ²/NDF:2.3/3
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -56.596+/-1190.258 χ²/NDF:0.7/3
Left: 1397.495+/-933.719 χ²/NDF: 6.9/7
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -158.576+/-576.000 χ²/NDF:17.1/19
Out: 179.706+/-618.371 χ²/NDF:22.8/21
All: -1.421+/-421.477 χ²/NDF: 40.1/41



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 2514.994+/-1.065 χ^2/NDF:63406.0/3

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2164.128+/-0.842 χ^2/NDF:345280.0/3

Left: 2299.075+/-0.660 χ^2/NDF: 475528.2/7

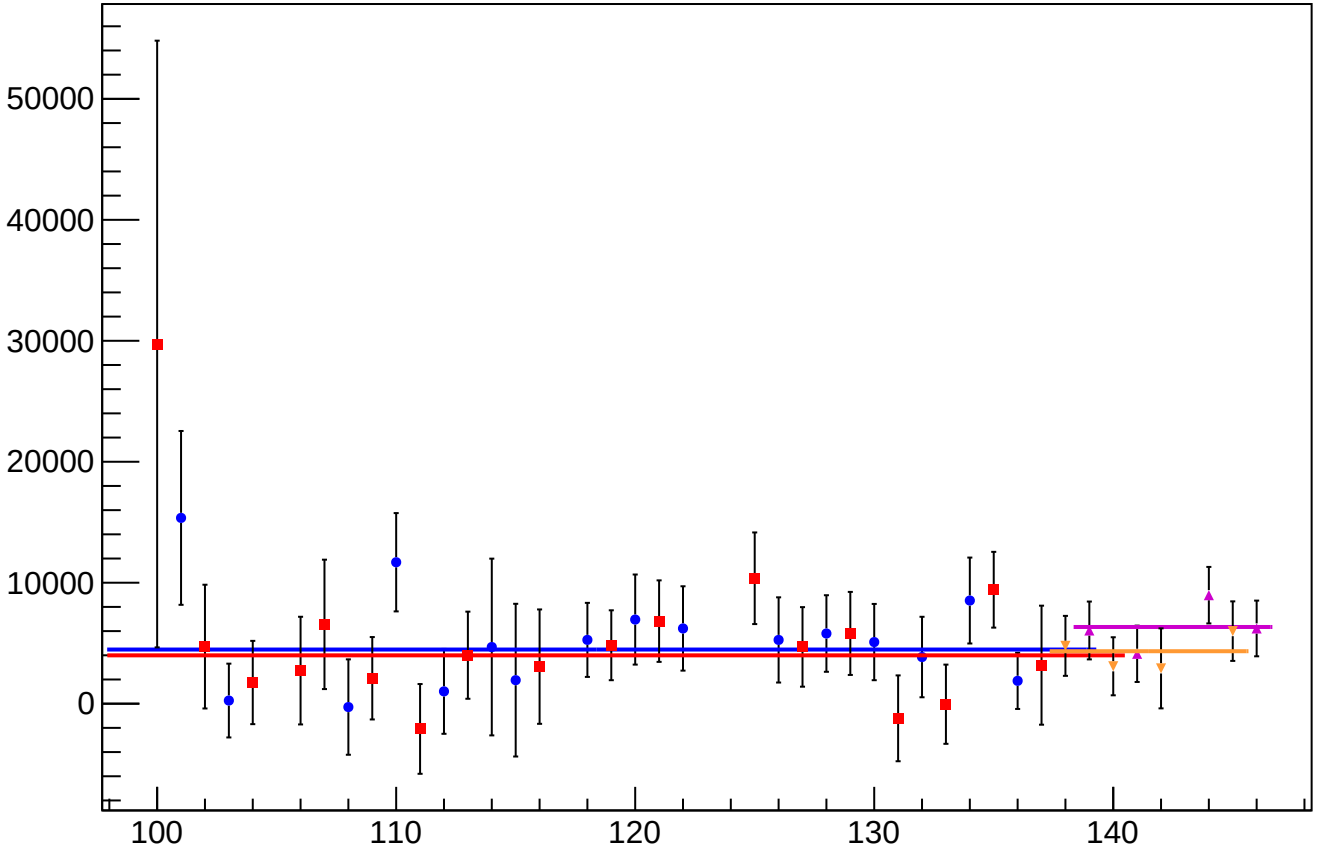
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1831.589+/-0.407 χ^2/NDF:1029027.9/19

Out: 1882.809+/-0.437 χ^2/NDF:1238589.8/21

All: 1855.384+/-0.298 χ^2/NDF: 2274964.7/41

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4337.589+/-1298.581 χ^2/NDF:0.9/3

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 6340.903+/-1169.484 χ^2/NDF:2.2/3

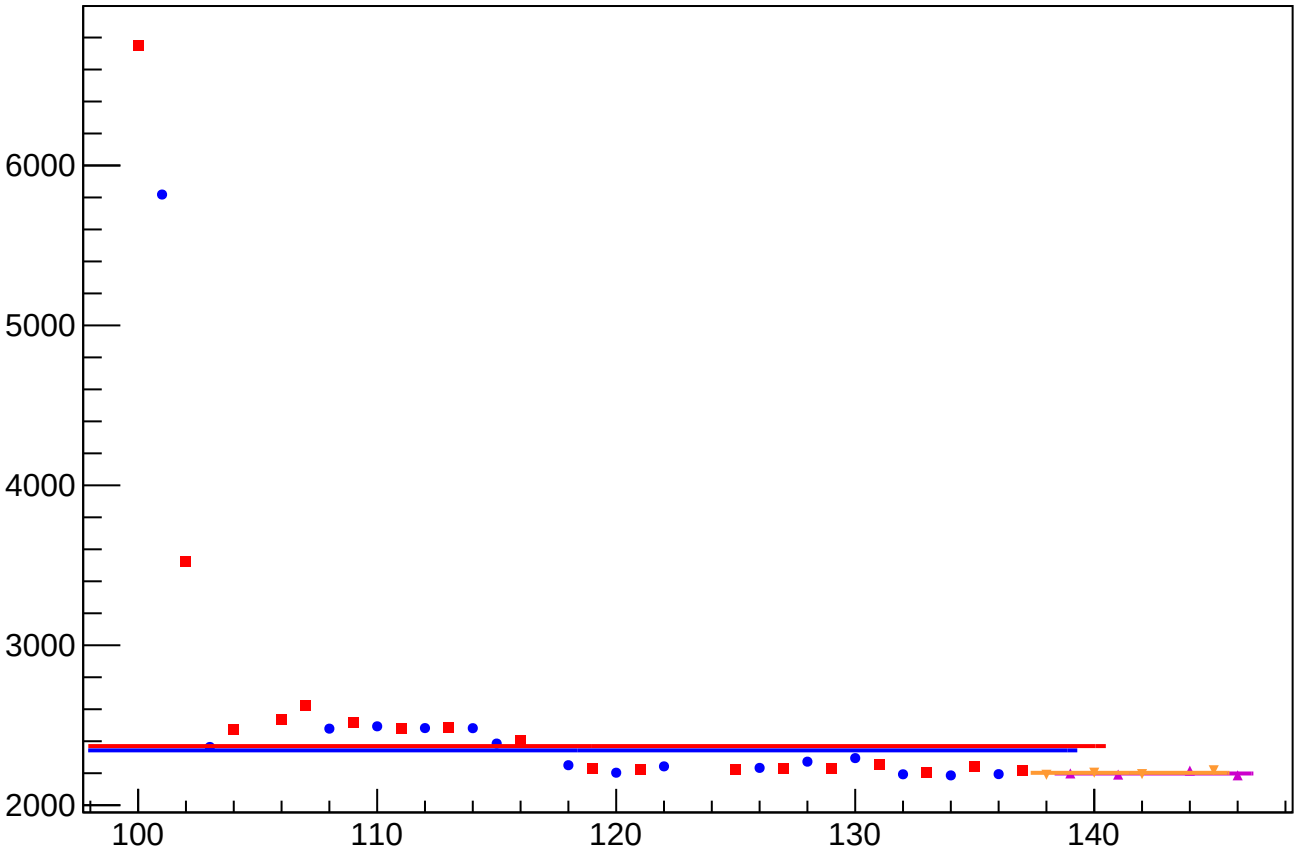
Left: 5443.747+/-869.017 χ^2/NDF: 4.4/7

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 5156.411+/-706.260 χ^2/NDF:17.4/19

Out: 4105.114+/-734.376 χ^2/NDF:16.5/21

All: 4651.272+/-509.051 χ^2/NDF: 34.9/41



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2202.423+/-0.918 χ^2/NDF:143.9/3

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2198.223+/-0.827 χ^2/NDF:184.8/3

Left: 2200.104+/-0.614 χ^2/NDF: 340.2/7

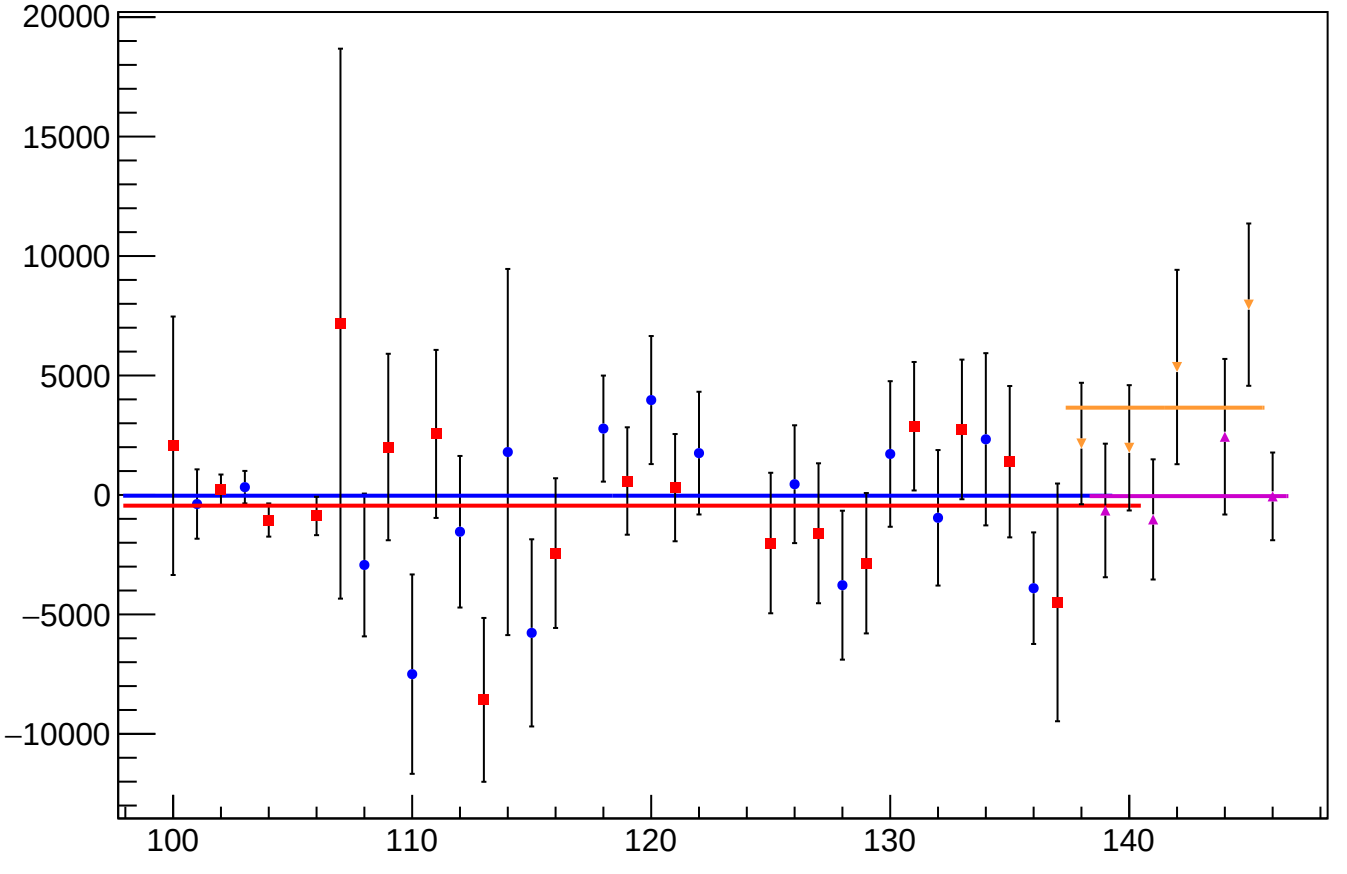
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2290.144+/-0.499 χ^2/NDF:522500.4/19

Out: 2316.116+/-0.519 χ^2/NDF:232830.0/21

All: 2302.623+/-0.360 χ^2/NDF: 756629.9/41

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 3653.242+/-1495.332 χ^2/NDF:2.5/3

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: -48.558+/-1215.162 χ^2/NDF:0.8/3

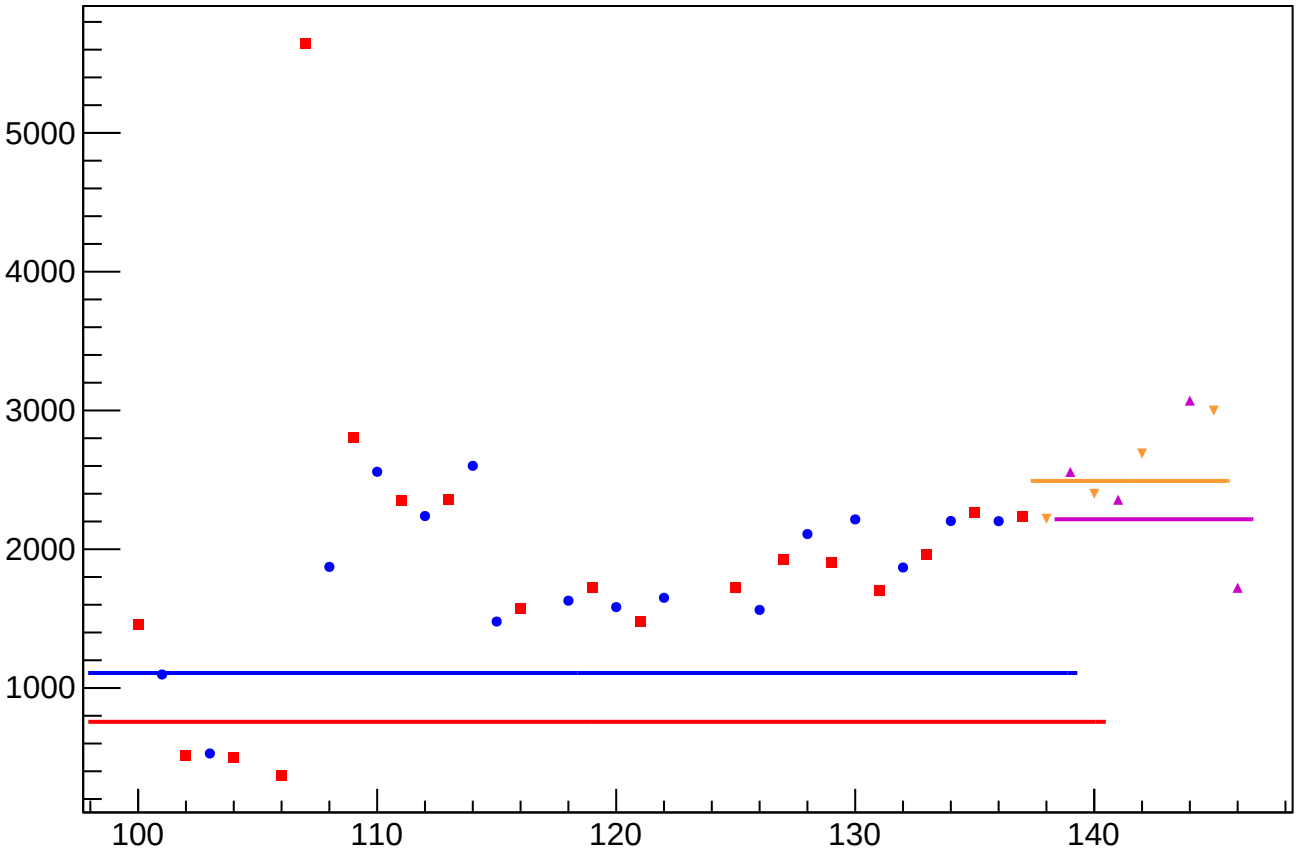
Left: 1423.751+/-943.041 χ^2/NDF: 7.0/7

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: -33.754+/-450.710 χ^2/NDF:17.1/19

Out: -220.520+/-352.360 χ^2/NDF:24.7/21

All: -149.672+/-277.596 χ^2/NDF: 42.0/41



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2492.320+/-1.057 χ^2/NDF:74705.3/3

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2216.058+/-0.859 χ^2/NDF:318684.0/3

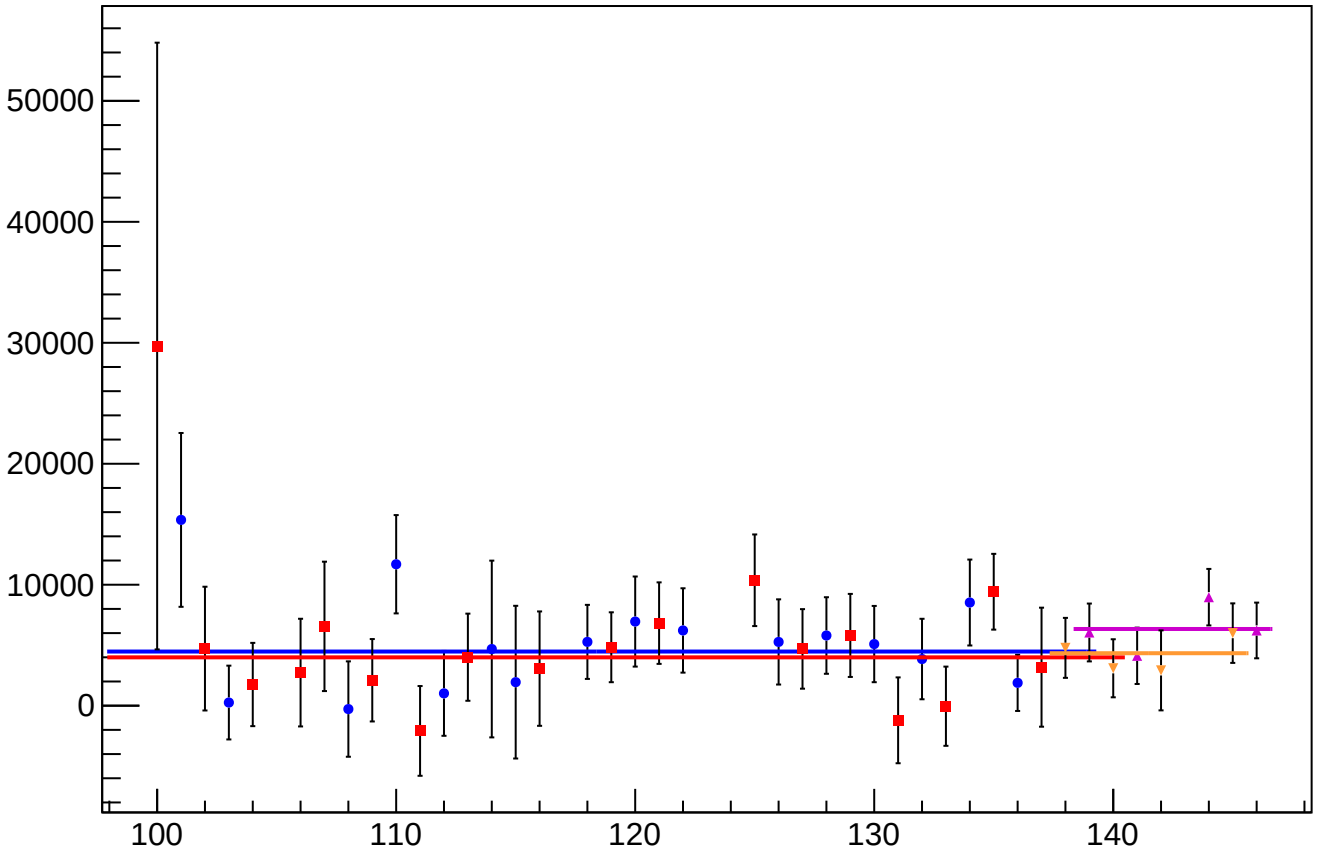
Left: 2325.935+/-0.667 χ^2/NDF: 434503.4/7

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1260.557+/-0.319 χ^2/NDF:5499001.3/19

Out: 852.807+/-0.249 χ^2/NDF:8223548.3/21

All: 1007.484+/-0.196 χ^2/NDF: 14738503.6/4



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4337.600+/-1298.580 χ^2/NDF:0.9/3

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 6340.902+/-1169.484 χ^2/NDF:2.2/3

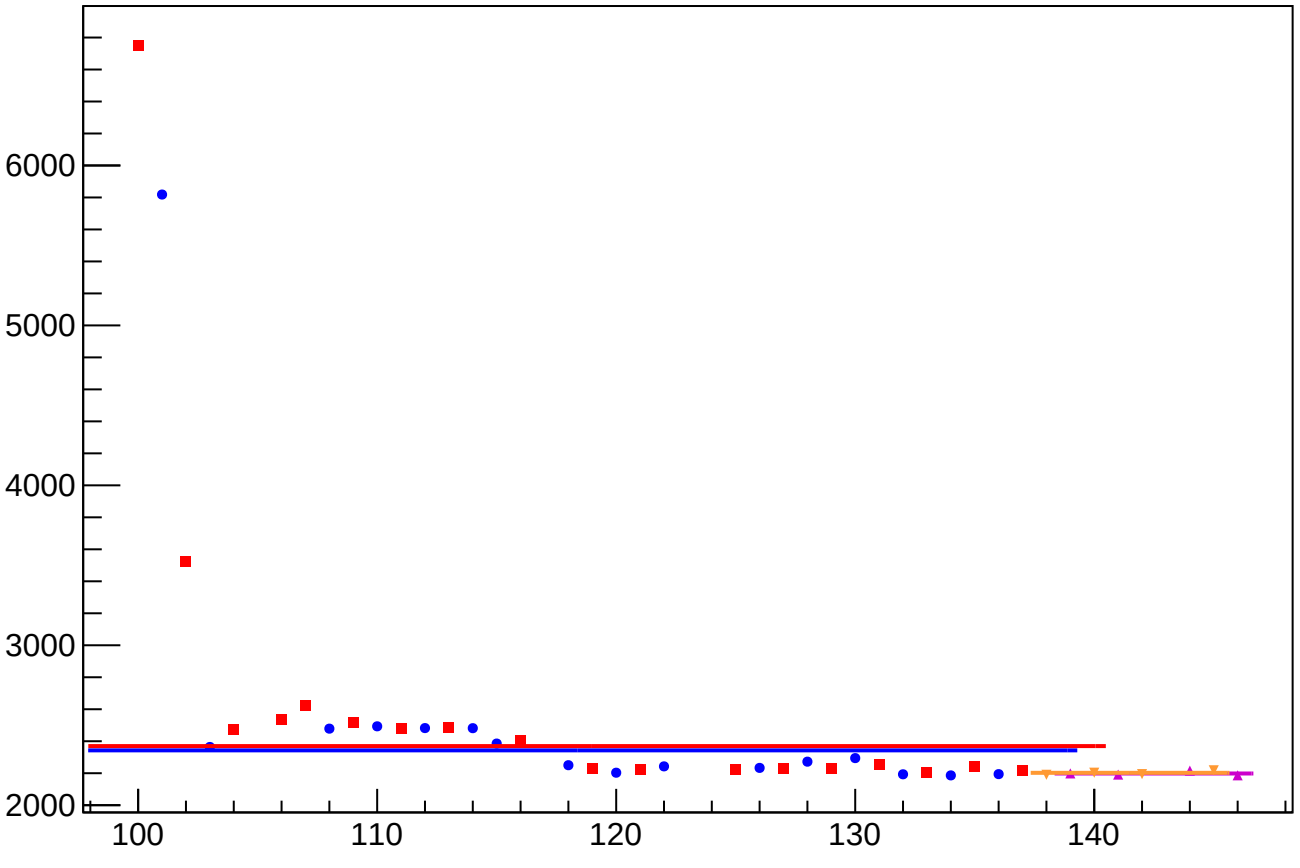
Left: 5443.751+/-869.017 χ^2/NDF: 4.4/7

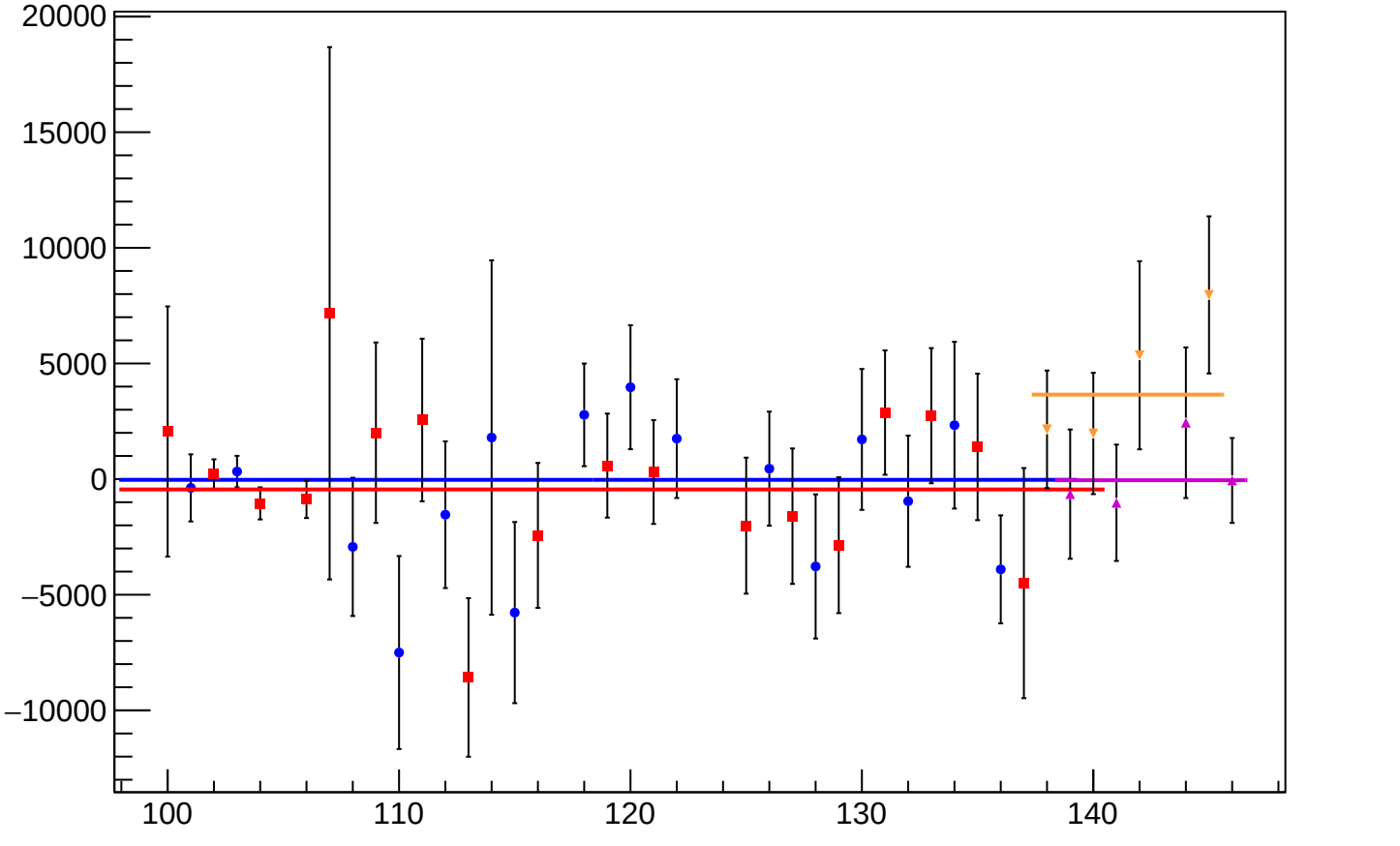
Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 5156.407+/-706.260 χ^2/NDF:17.4/19

Out: 4105.115+/-734.376 χ^2/NDF:16.5/21

All: 4651.271+/-509.051 χ^2/NDF: 34.9/41


eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
Right In: 2342.913+/-0.627 χ²/NDF: 502866.3/15
Left Out: 2202.423+/-0.918 χ²/NDF:143.9/3
Right Out: 2369.572+/-0.630 χ²/NDF: 210146.5/17
Left In: 2198.223+/-0.827 χ²/NDF:184.8/3
Left: 2200.104+/-0.614 χ²/NDF: 340.2/7
Right: 2356.177+/-0.444 χ²/NDF: 713913.5/33
In: 2290.144+/-0.499 χ²/NDF:522500.3/19
Out: 2316.115+/-0.519 χ²/NDF:232828.8/21
All: 2302.623+/-0.360 χ²/NDF: 756628.6/41



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 3653.249+/-1495.335 χ^2/NDF:2.5/3

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -48.560+/-1215.164 χ^2/NDF:0.8/3

Left: 1423.753+/-943.043 χ^2/NDF: 7.0/7

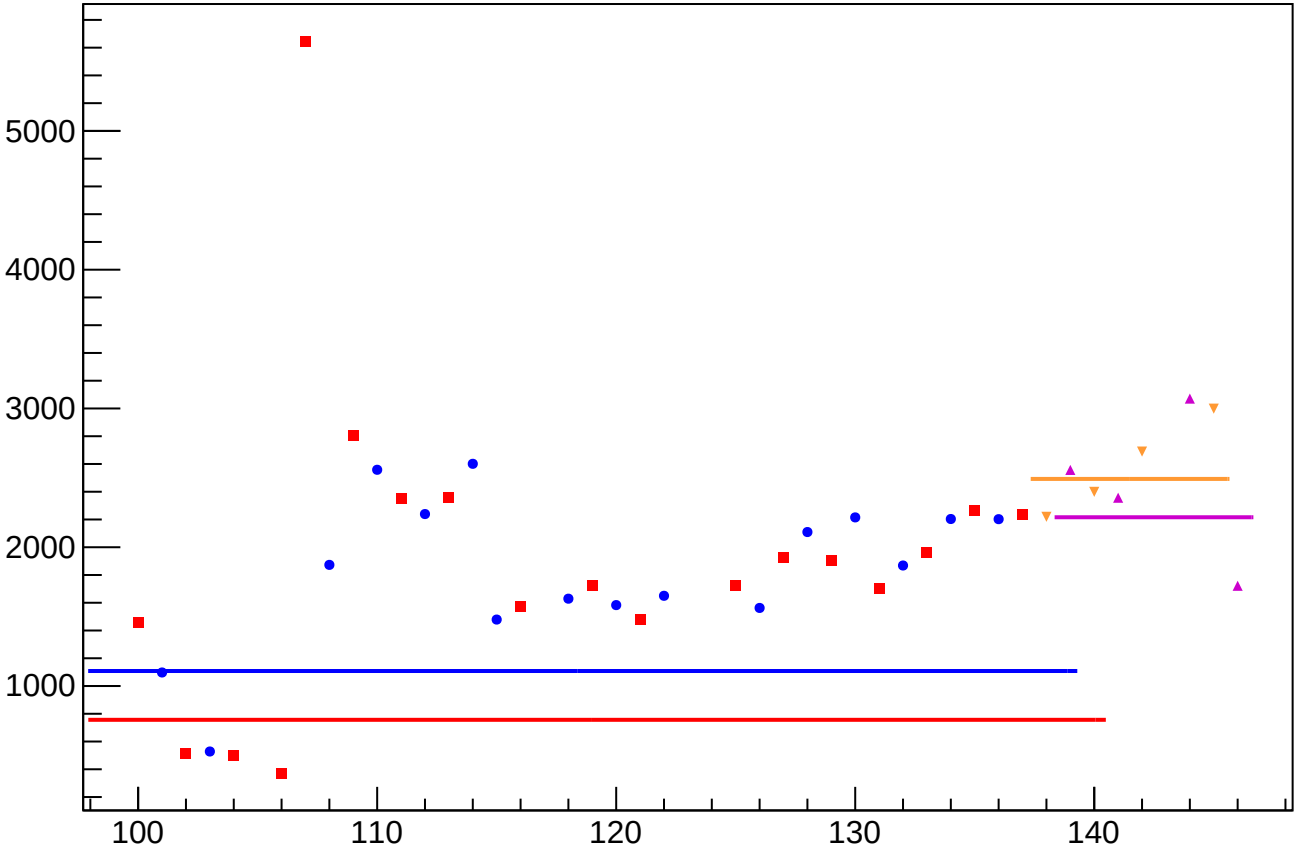
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: -33.761+/-450.713 χ^2/NDF:17.1/19

Out: -220.518+/-352.365 χ^2/NDF:24.7/21

All: -149.672+/-277.599 χ^2/NDF: 42.0/41

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: 2492.325+/-1.057 χ^2/NDF:74705.6/3

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2216.062+/-0.859 χ^2/NDF:318684.3/3

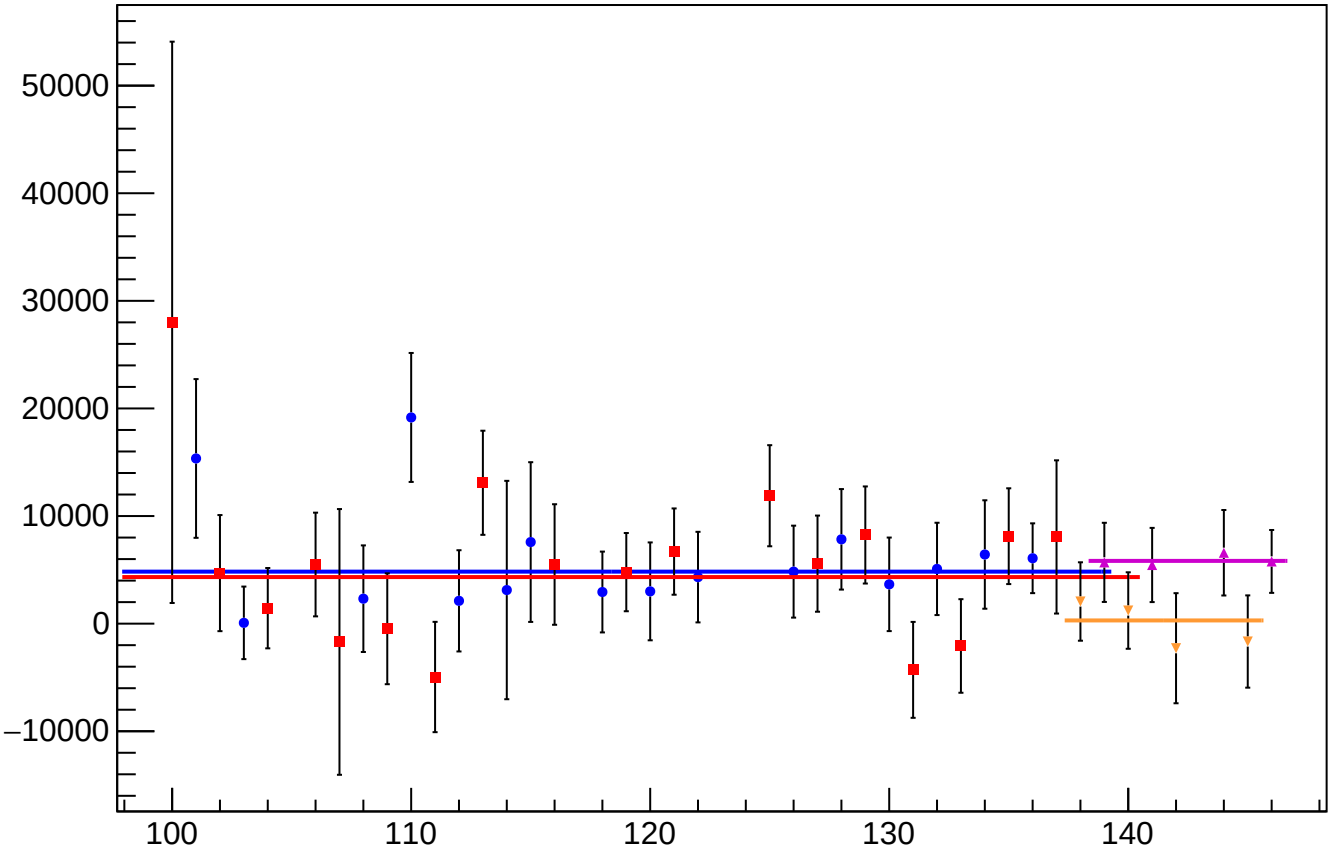
Left: 2325.939+/-0.667 χ^2/NDF: 434504.0/7

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1260.567+/-0.319 χ^2/NDF:5498904.4/19

Out: 852.824+/-0.249 χ^2/NDF:8223386.4/21

All: 1007.499+/-0.196 χ^2/NDF: 14738196.2/4



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 298.892+/-2011.875 χ^2/NDF:0.8/3

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 5832.040+/-1718.672 χ^2/NDF:0.1/3

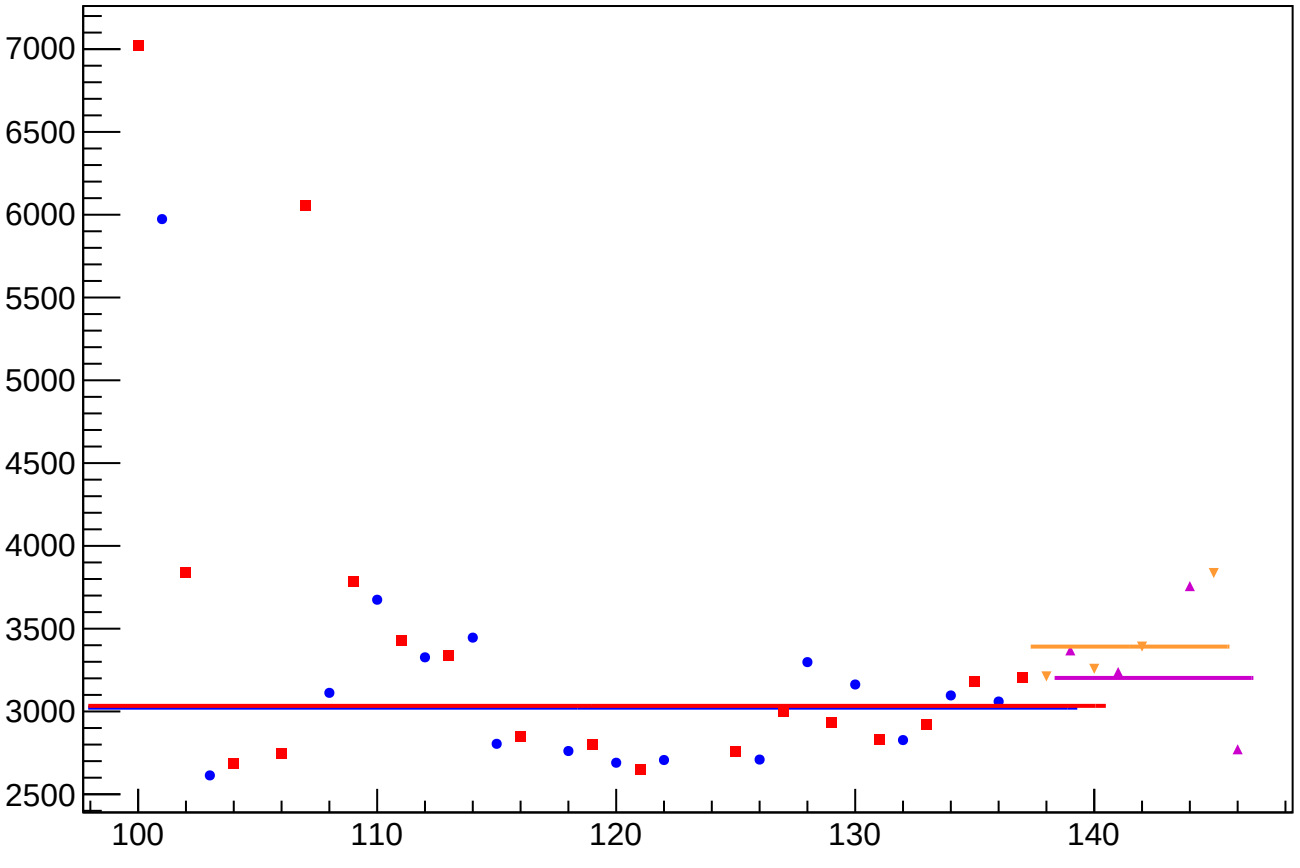
Left: 3497.675+/-1306.770 χ^2/NDF: 5.2/7

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 5139.749+/-951.475 χ^2/NDF:12.0/19

Out: 3343.309+/-994.825 χ^2/NDF:23.7/21

All: 4281.521+/-687.609 χ^2/NDF: 37.4/41



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3391.695+/-1.423 χ^2/NDF:29194.0/3

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3202.531+/-1.215 χ^2/NDF:86776.8/3

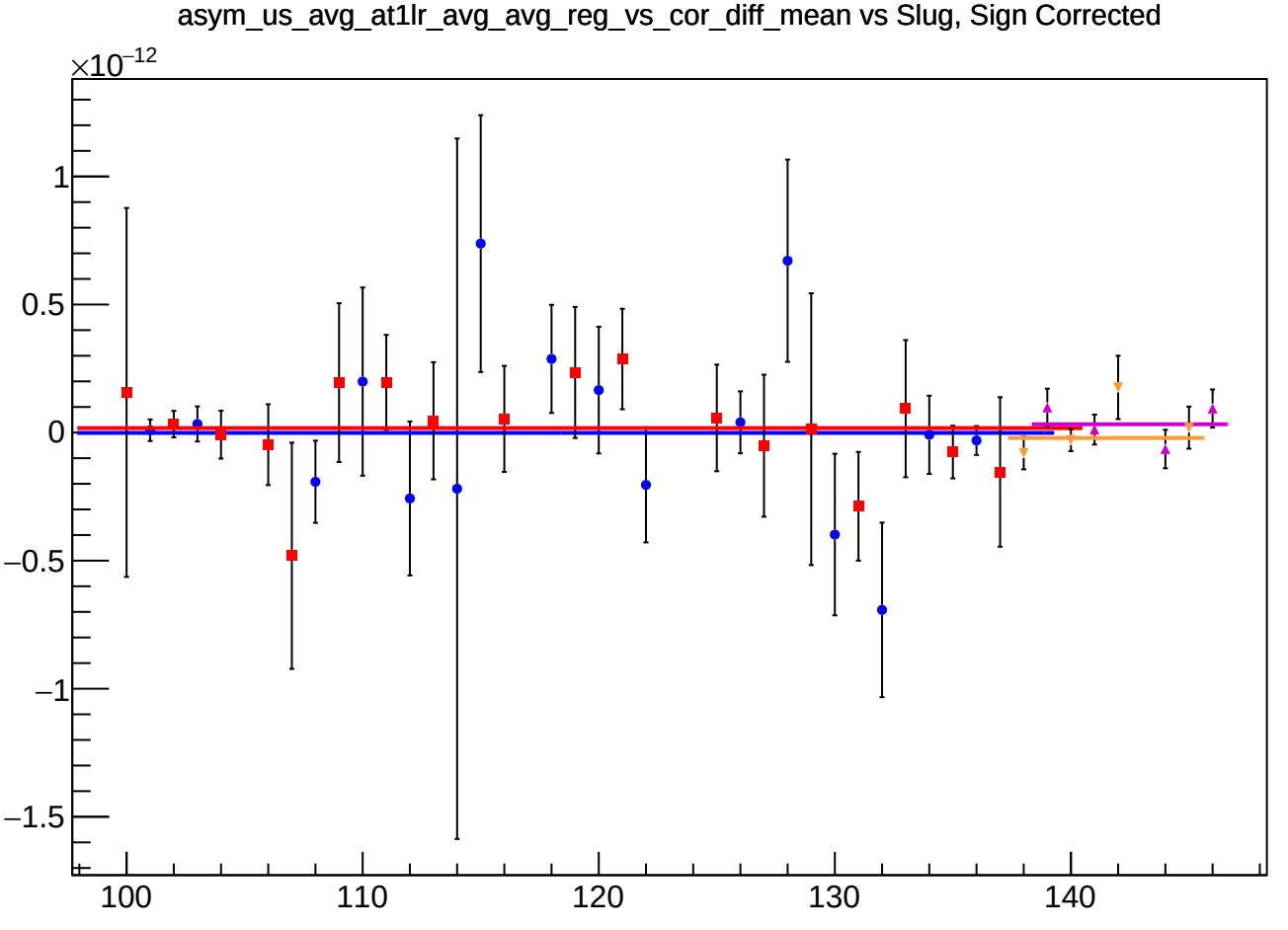
Left: 3282.337+/-0.924 χ^2/NDF: 126192.4/7

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3078.071+/-0.673 χ^2/NDF:545605.9/19

Out: 3121.359+/-0.703 χ^2/NDF:419666.1/21

All: 3098.751+/-0.486 χ^2/NDF: 967249.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.3/3

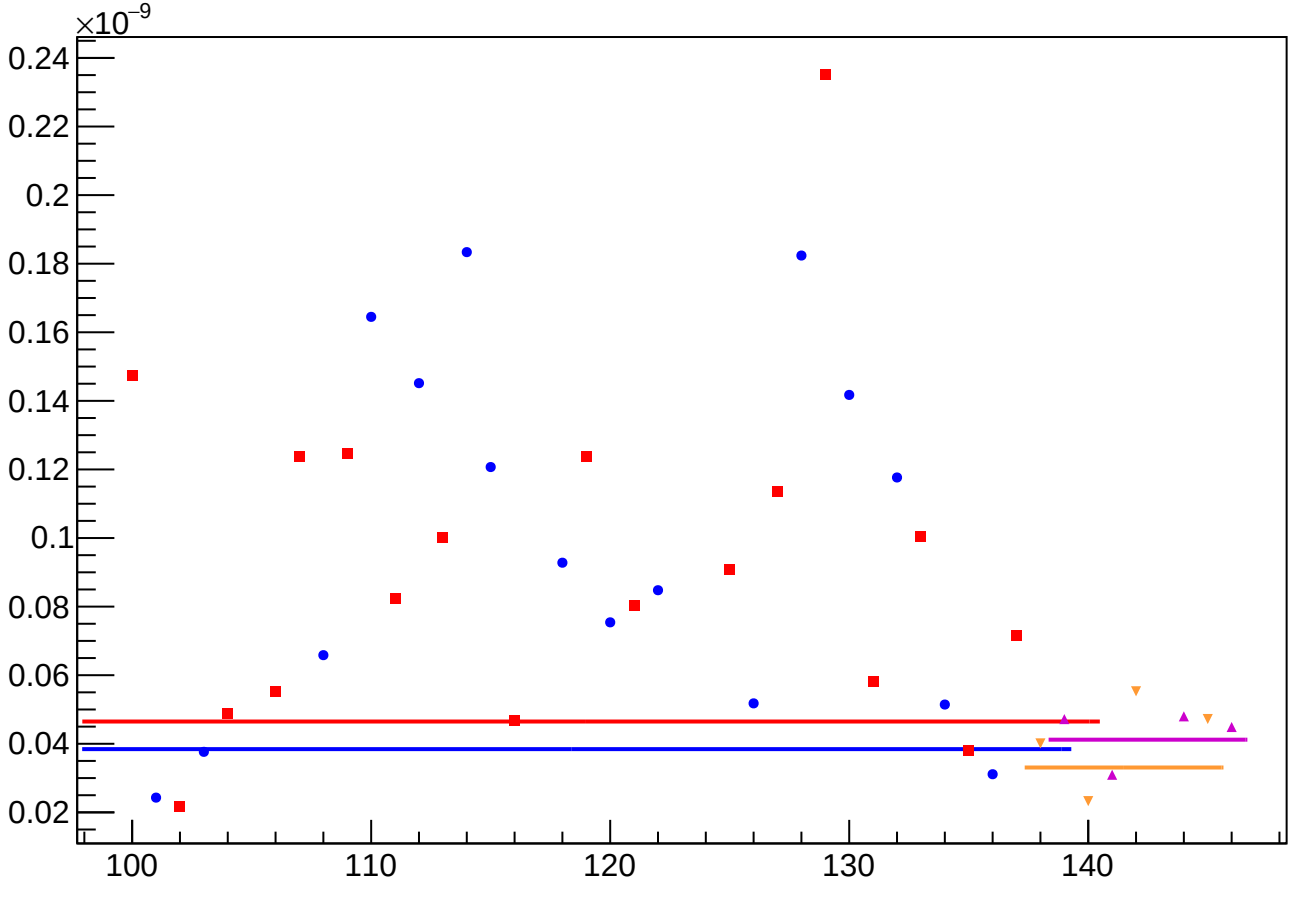
Left: 0.000+/-0.000 χ^2/NDF: 8.2/7

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

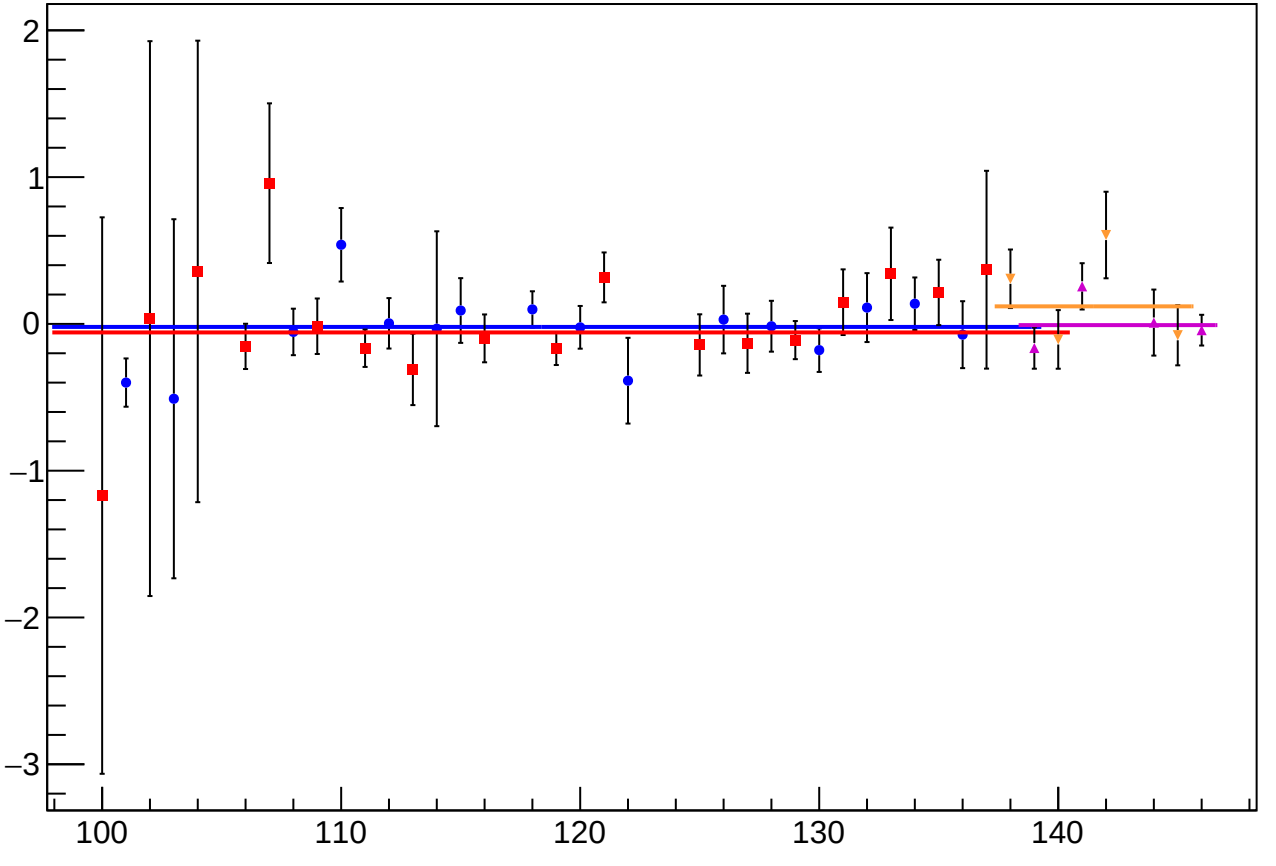
In: 0.000+/-0.000 χ^2/NDF:20.9/19

Out: -0.000+/-0.000 χ^2/NDF:13.3/21

All: 0.000+/-0.000 χ^2/NDF: 34.5/41


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
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:251300.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:95843.7/3
Left: 0.000+/-0.000 χ²/NDF: 406975.7/7
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:1875072.6/19
Out: 0.000+/-0.000 χ²/NDF:2112319.1/21
All: 0.000+/-0.000 χ²/NDF: 3987550.0/41

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: 0.120+/-0.108 χ^2/NDF:5.8/3

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.070 χ^2/NDF:4.1/3

Left: 0.030+/-0.059 χ^2/NDF: 10.9/7

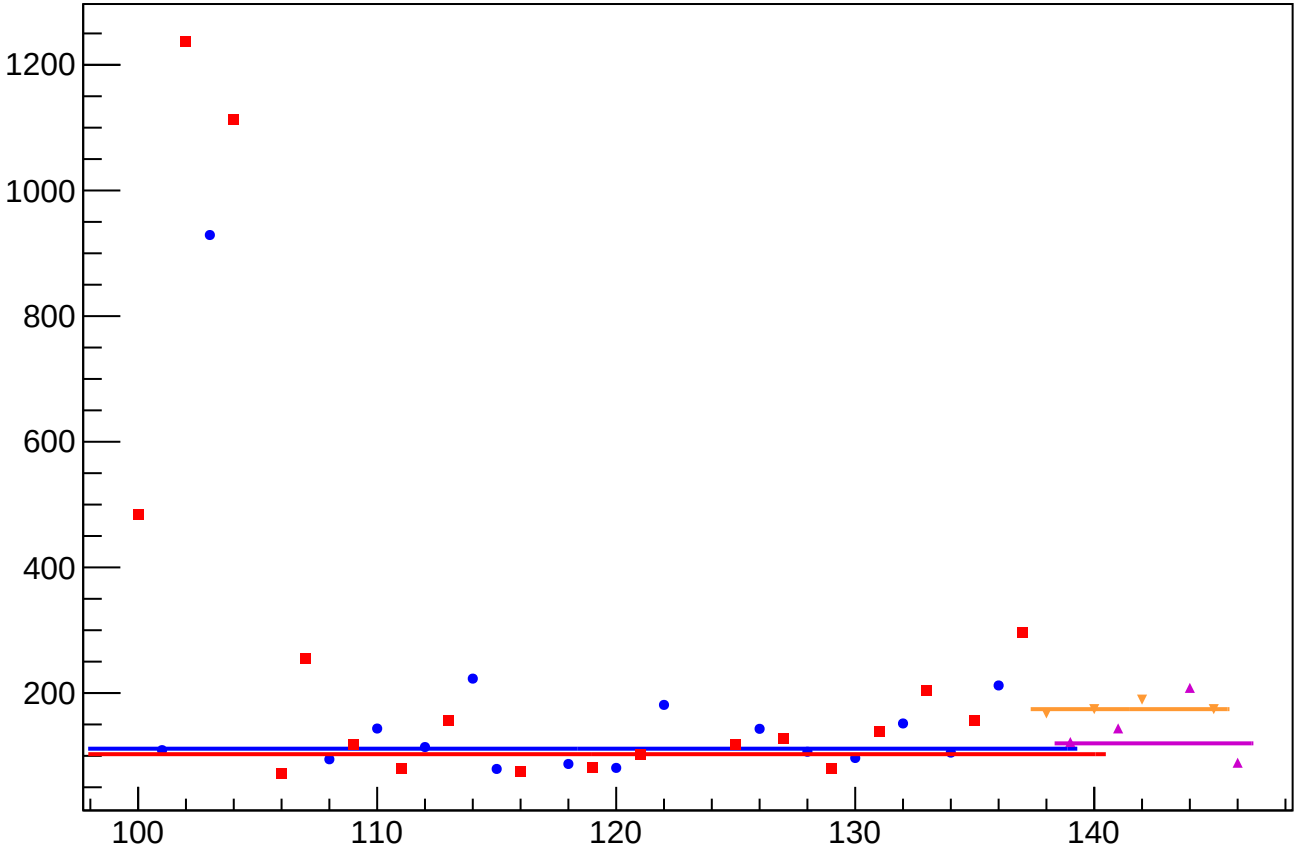
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.017+/-0.039 χ^2/NDF:19.8/19

Out: -0.030+/-0.043 χ^2/NDF:24.9/21

All: -0.023+/-0.029 χ^2/NDF: 44.8/41

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: 174.367+/-0.076 χ^2/NDF:7643.1/3

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 119.911+/-0.050 χ^2/NDF:528154.3/3

Left: 136.134+/-0.042 χ^2/NDF: 891698.6/7

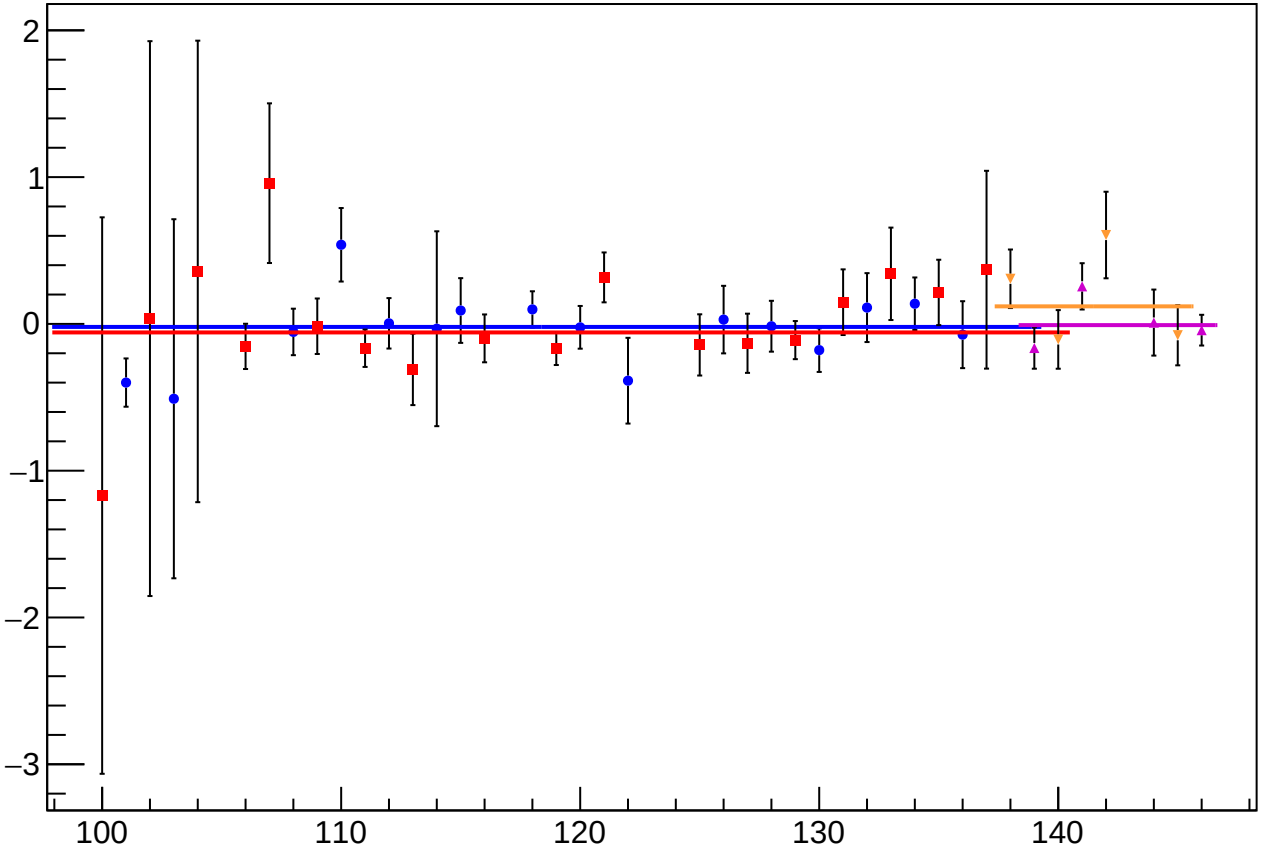
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 114.074+/-0.028 χ^2/NDF:2387515.5/19

Out: 113.816+/-0.030 χ^2/NDF:3576563.1/21

All: 113.955+/-0.020 χ^2/NDF: 5964117.9/41

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: 0.120+/-0.108 χ^2/NDF:5.8/3

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.070 χ^2/NDF:4.1/3

Left: 0.030+/-0.059 χ^2/NDF: 10.9/7

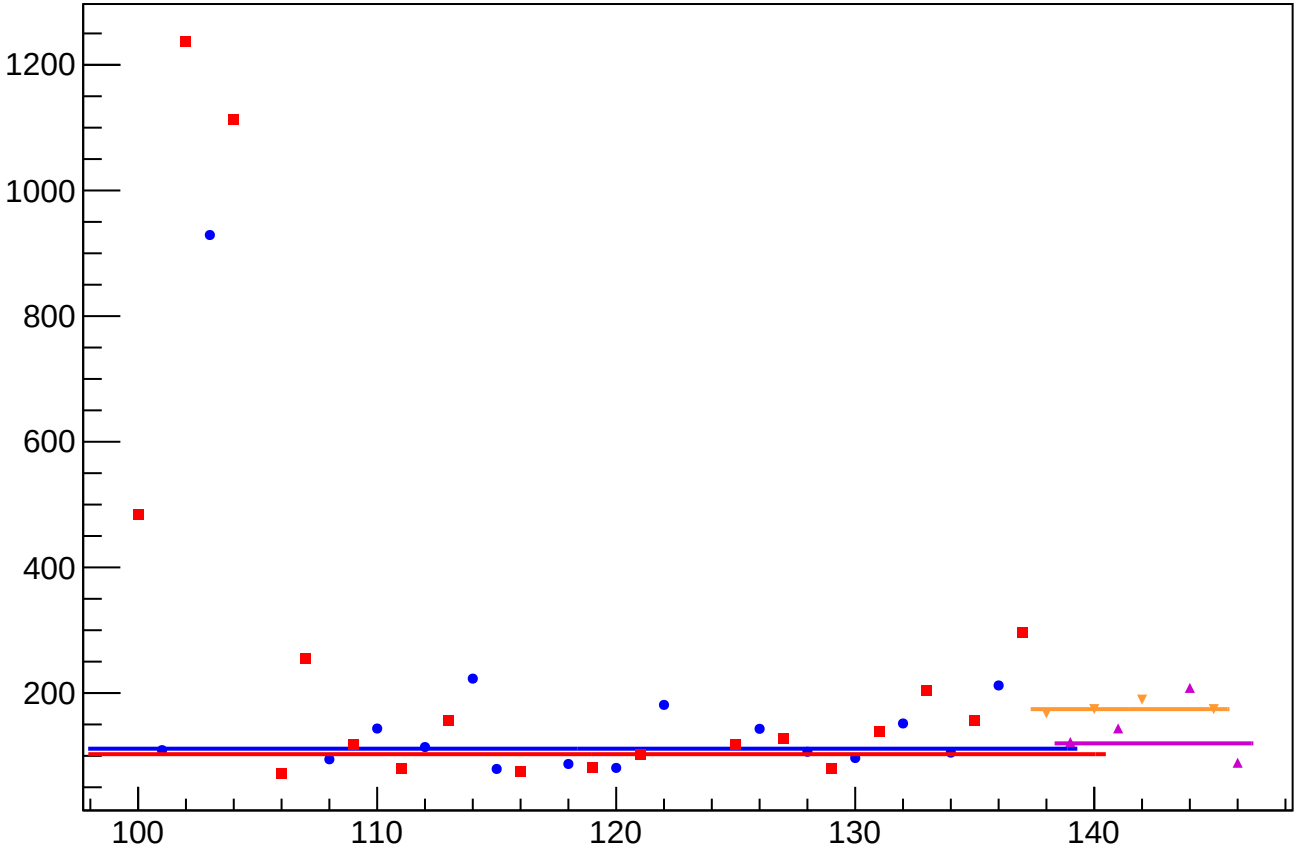
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.017+/-0.039 χ^2/NDF:19.8/19

Out: -0.030+/-0.043 χ^2/NDF:24.9/21

All: -0.023+/-0.029 χ^2/NDF: 44.8/41

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: 174.367+/-0.076 χ^2/NDF:7643.1/3

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 119.911+/-0.050 χ^2/NDF:528154.3/3

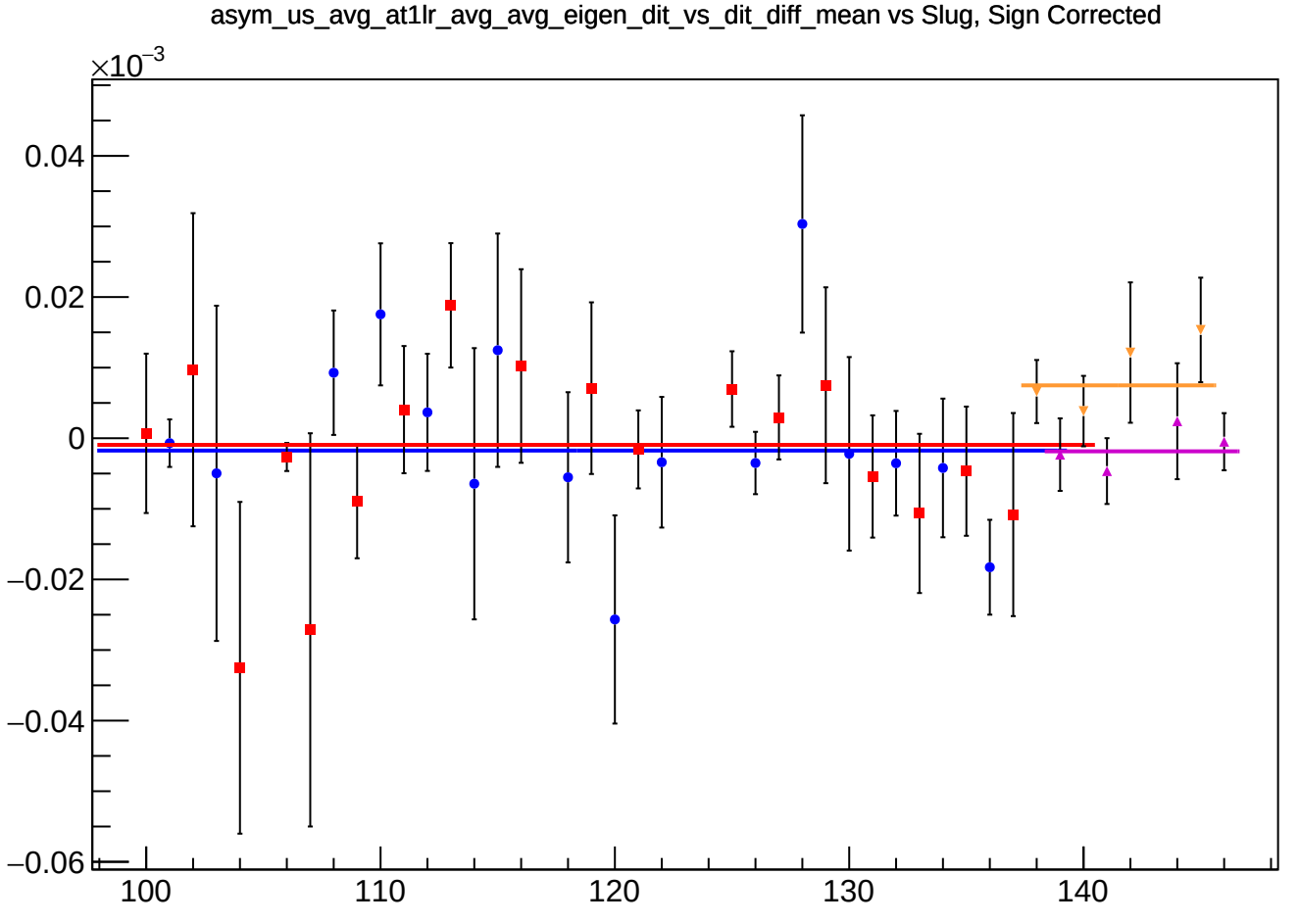
Left: 136.134+/-0.042 χ^2/NDF: 891698.6/7

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 114.074+/-0.028 χ^2/NDF:2387515.5/19

Out: 113.816+/-0.030 χ^2/NDF:3576563.1/21

All: 113.955+/-0.020 χ^2/NDF: 5964117.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.8/3

Left: 0.000+/-0.000 χ^2/NDF: 8.6/7

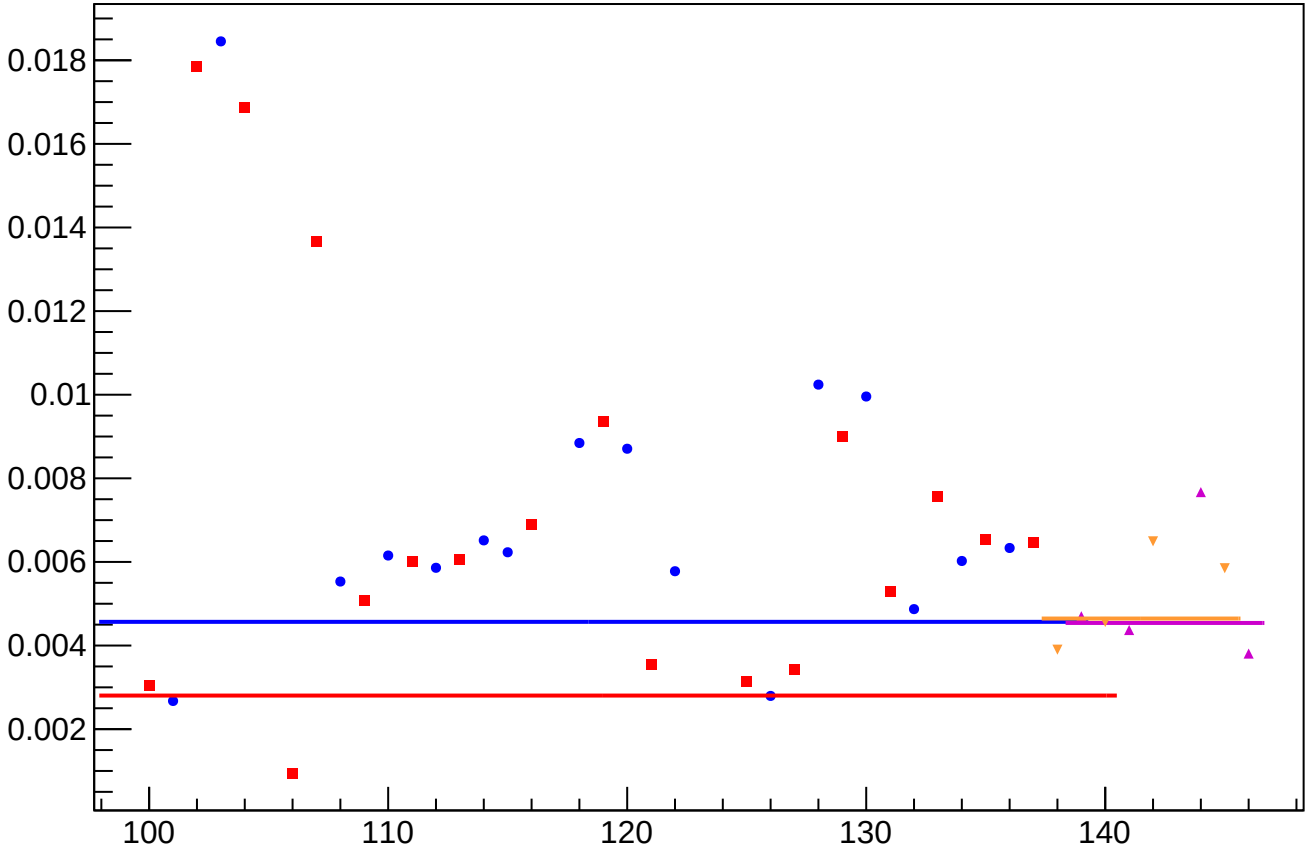
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: -0.000+/-0.000 χ^2/NDF:20.8/19

Out: 0.000+/-0.000 χ^2/NDF:24.4/21

All: -0.000+/-0.000 χ^2/NDF: 46.8/41

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:177985.3/3

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.005+/-0.000 χ^2/NDF:360669.8/3

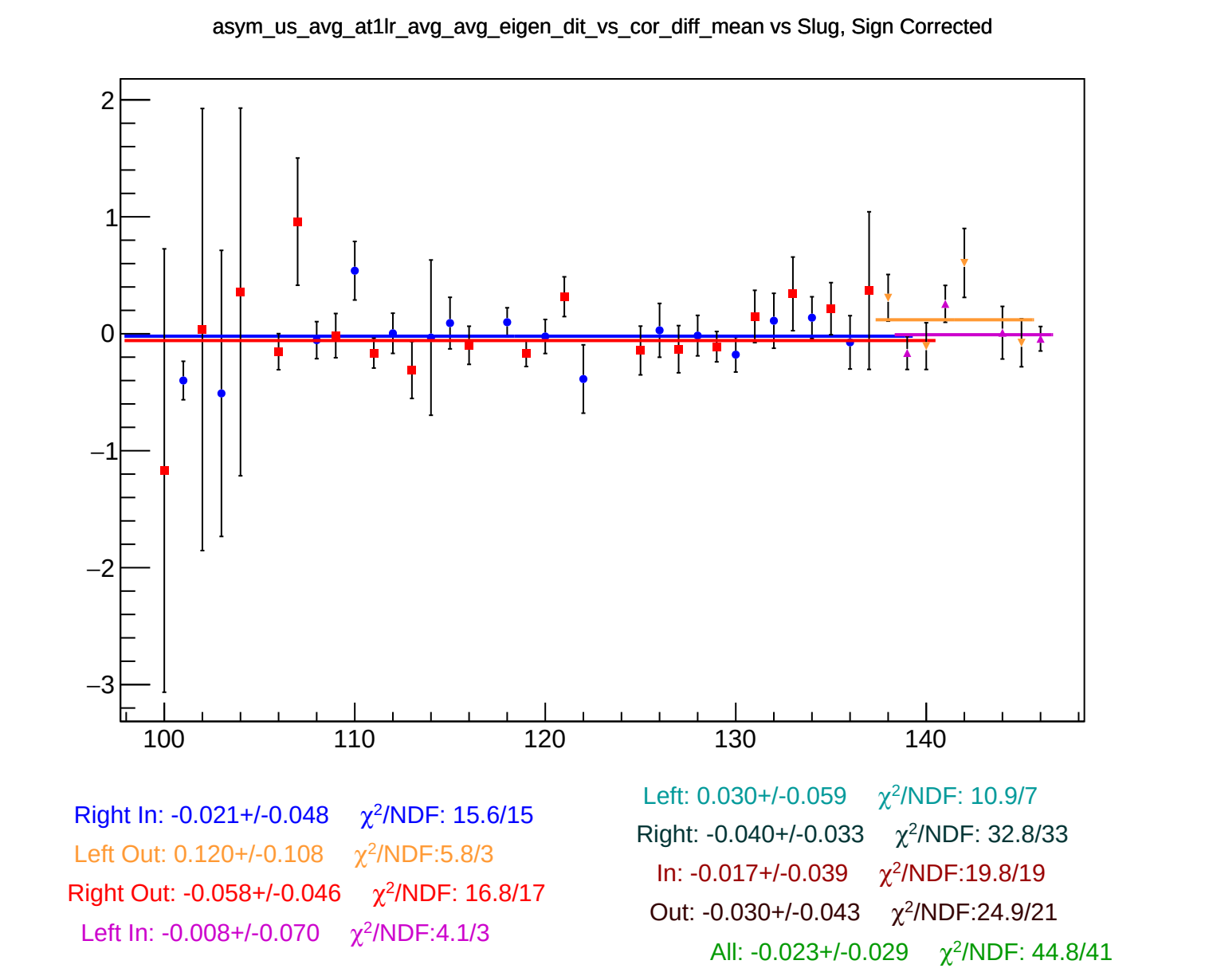
Left: 0.005+/-0.000 χ^2/NDF: 540171.7/7

Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

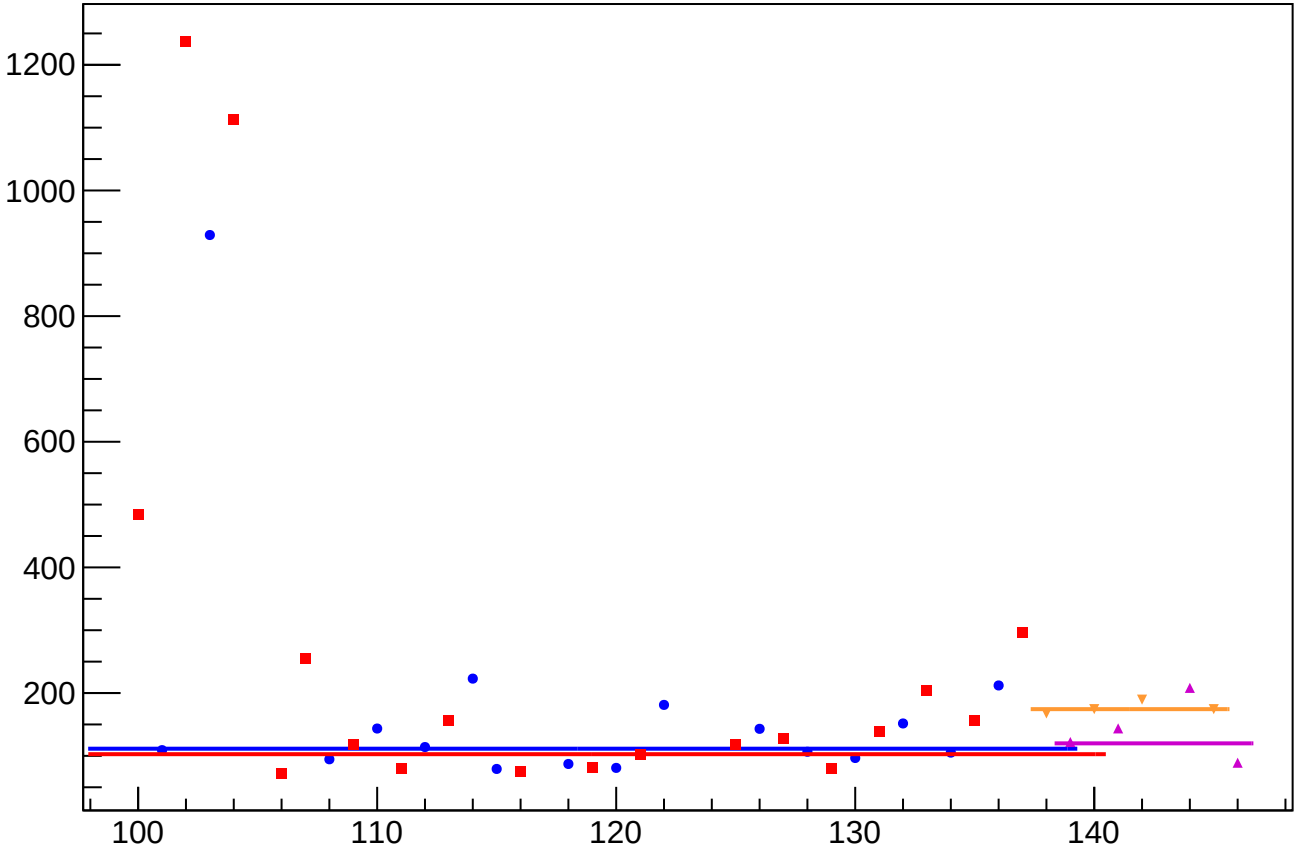
In: 0.005+/-0.000 χ^2/NDF:3373067.6/19

Out: 0.003+/-0.000 χ^2/NDF:7427523.9/21

All: 0.004+/-0.000 χ^2/NDF: 11728772.6/41


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: 0.120+/-0.108 χ²/NDF:5.8/3
Right Out: -0.058+/-0.046 χ²/NDF: 16.8/17
Left In: -0.008+/-0.070 χ²/NDF:4.1/3
Left: 0.030+/-0.059 χ²/NDF: 10.9/7
Right: -0.040+/-0.033 χ²/NDF: 32.8/33
In: -0.017+/-0.039 χ²/NDF:19.8/19
Out: -0.030+/-0.043 χ²/NDF:24.9/21
All: -0.023+/-0.029 χ²/NDF: 44.8/41

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: 174.367+/-0.076 χ^2/NDF:7644.0/3

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 119.912+/-0.050 χ^2/NDF:528150.9/3

Left: 136.134+/-0.042 χ^2/NDF: 891682.5/7

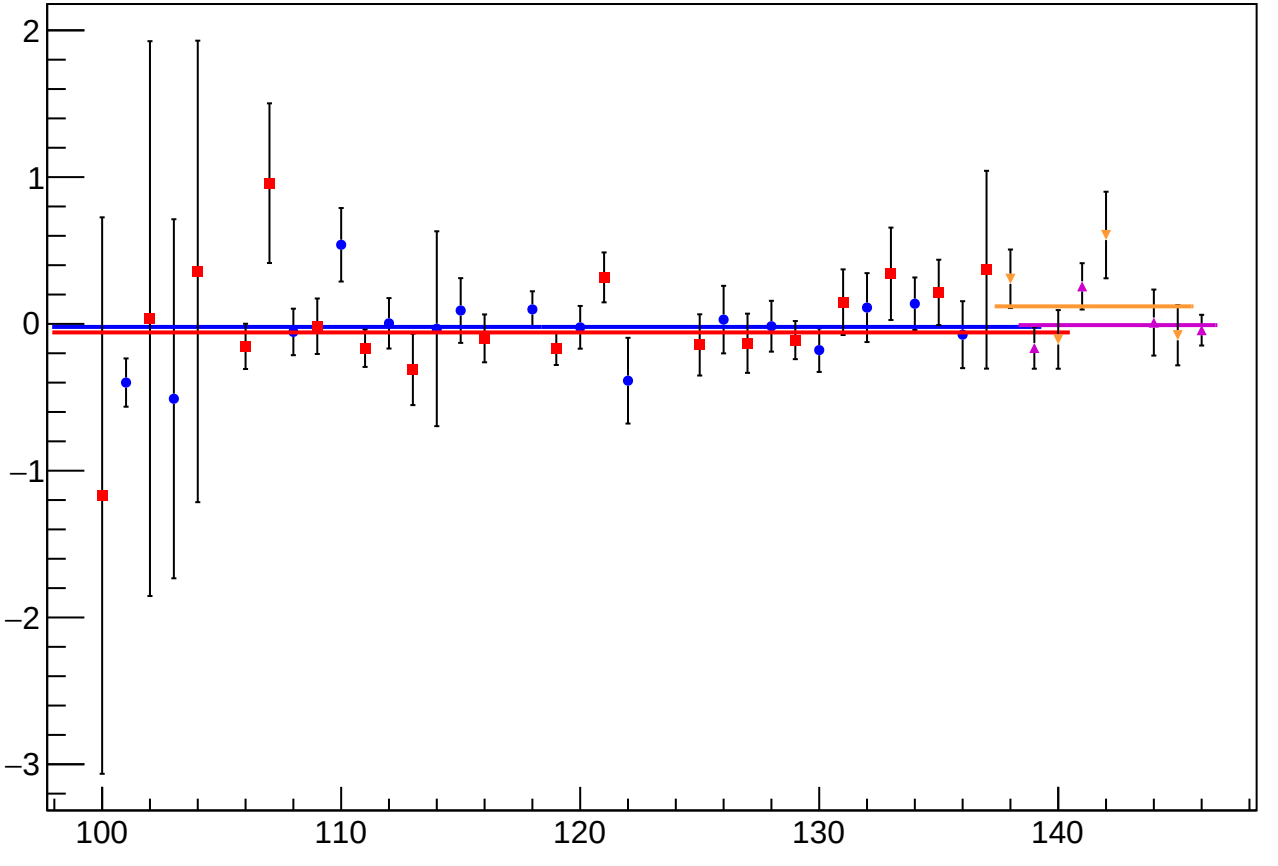
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 114.072+/-0.028 χ^2/NDF:2387573.2/19

Out: 113.815+/-0.030 χ^2/NDF:3576586.7/21

All: 113.953+/-0.020 χ^2/NDF: 5964199.1/41

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: 0.120+/-0.108 χ^2/NDF:5.8/3

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.070 χ^2/NDF:4.1/3

Left: 0.030+/-0.059 χ^2/NDF: 10.9/7

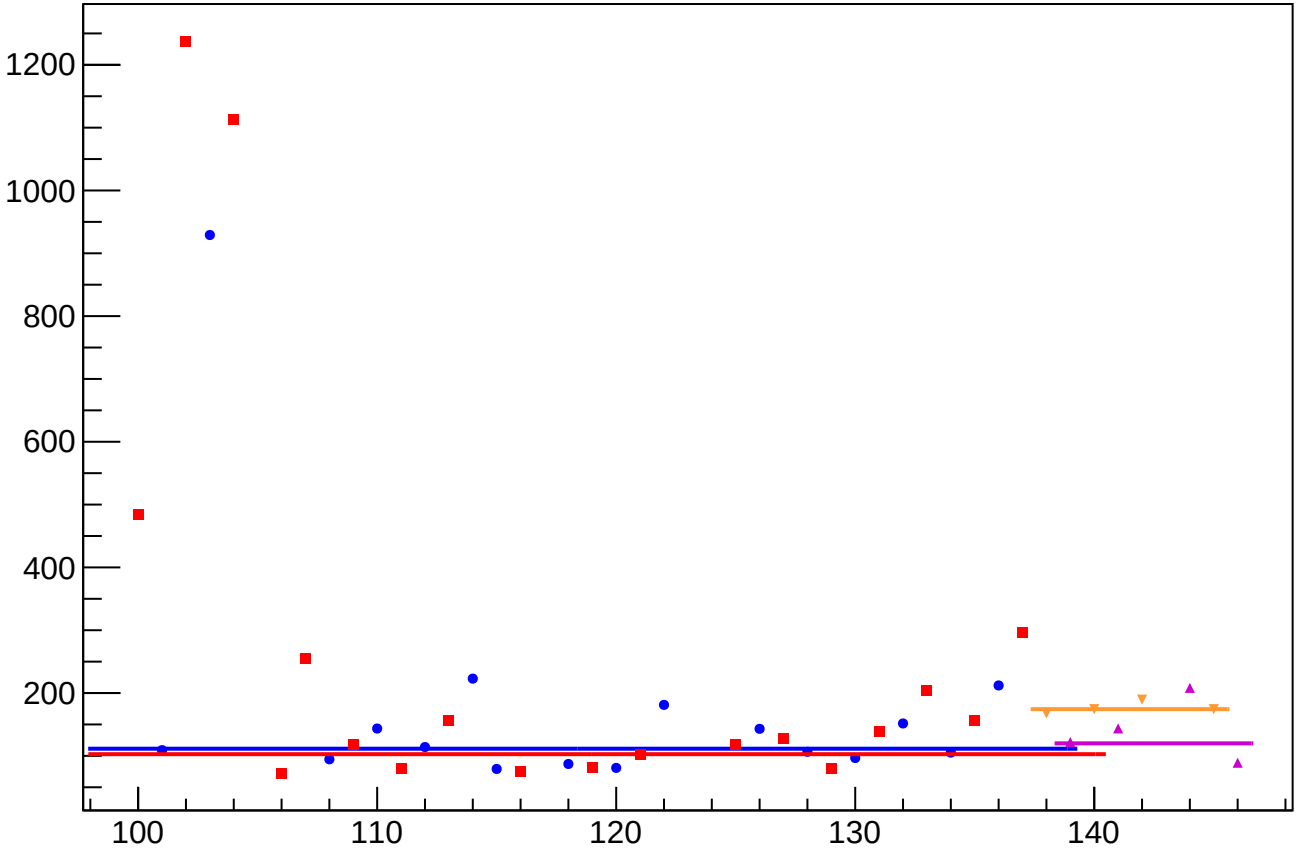
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.017+/-0.039 χ^2/NDF:19.8/19

Out: -0.030+/-0.043 χ^2/NDF:24.9/21

All: -0.023+/-0.029 χ^2/NDF: 44.8/41

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: 174.367+/-0.076 χ^2/NDF:7644.0/3

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 119.912+/-0.050 χ^2/NDF:528150.9/3

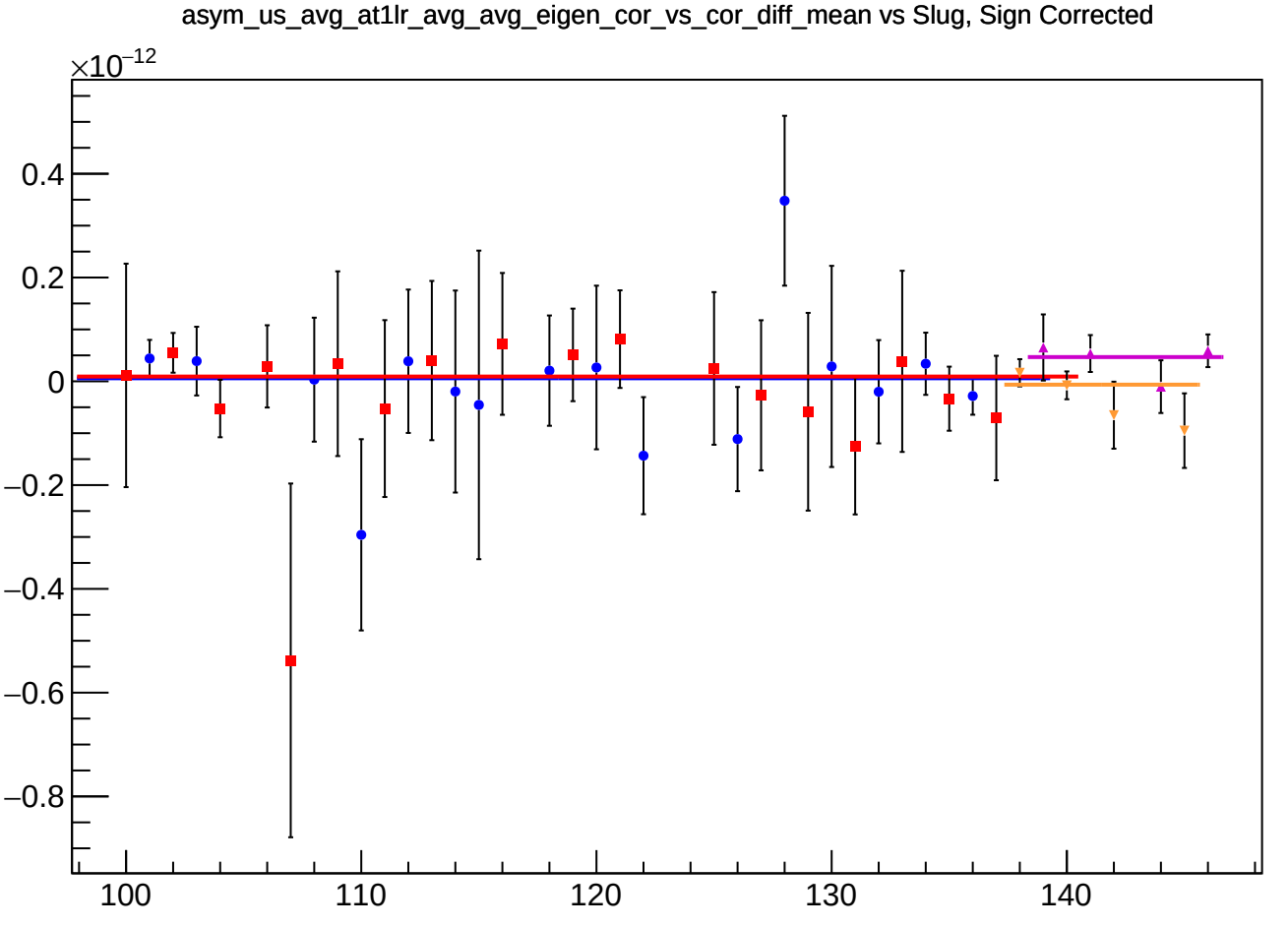
Left: 136.134+/-0.042 χ^2/NDF: 891682.5/7

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 114.072+/-0.028 χ^2/NDF:2387573.2/19

Out: 113.815+/-0.030 χ^2/NDF:3576586.7/21

All: 113.953+/-0.020 χ^2/NDF: 5964199.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1.5/3

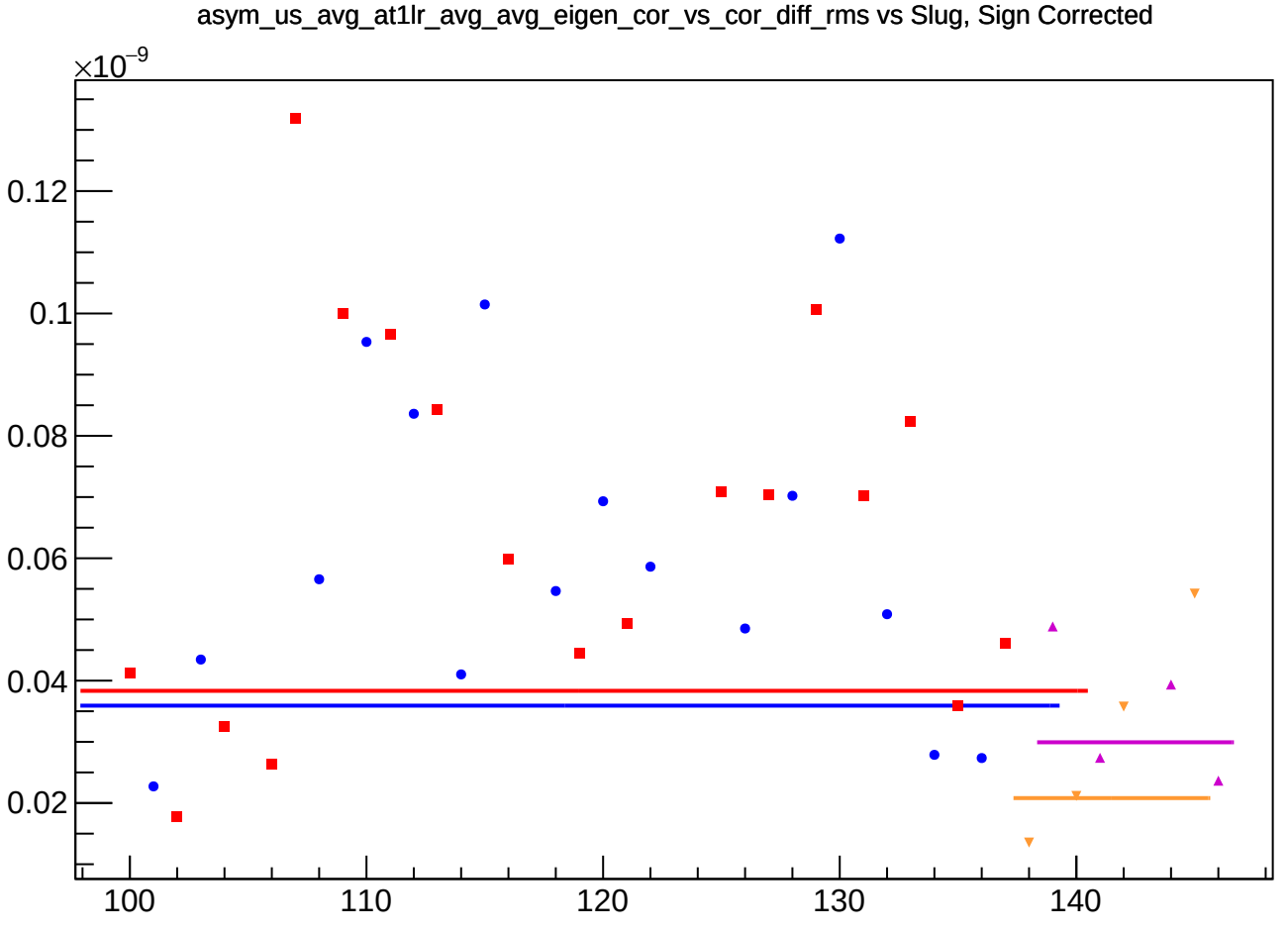
Left: 0.000+/-0.000 χ^2/NDF: 8.6/7

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: 0.000+/-0.000 χ^2/NDF:16.6/19

Out: -0.000+/-0.000 χ^2/NDF:12.1/21

All: 0.000+/-0.000 χ^2/NDF: 30.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:693195.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:335009.7/3

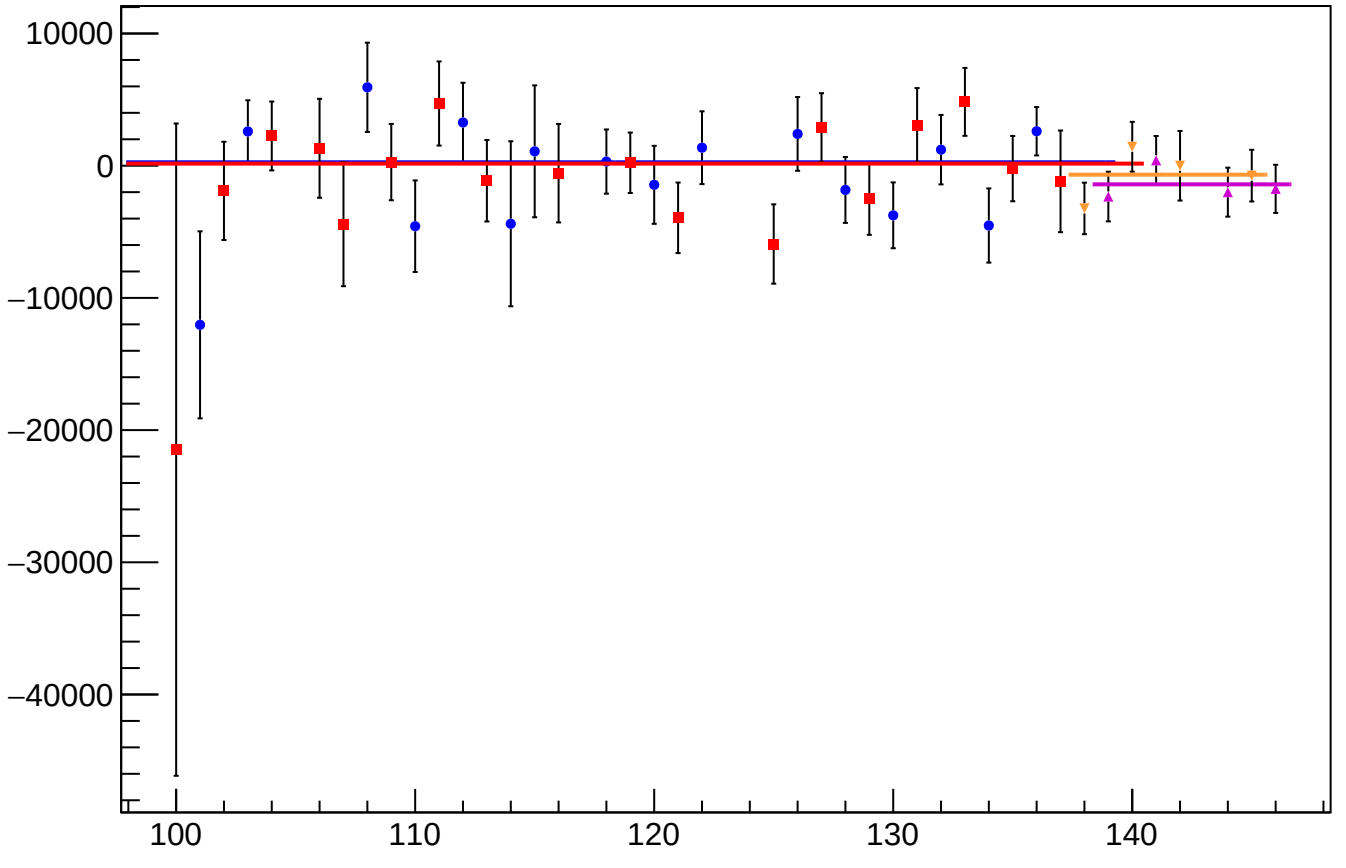
Left: 0.000+/-0.000 χ^2/NDF: 1260173.8/7

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2186111.3/19

Out: 0.000+/-0.000 χ^2/NDF:3690943.2/21

All: 0.000+/-0.000 χ^2/NDF: 6027952.0/41



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -678.403+/-1025.782 χ^2/NDF:3.0/3

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -1409.353+/-923.375 χ^2/NDF:1.4/3

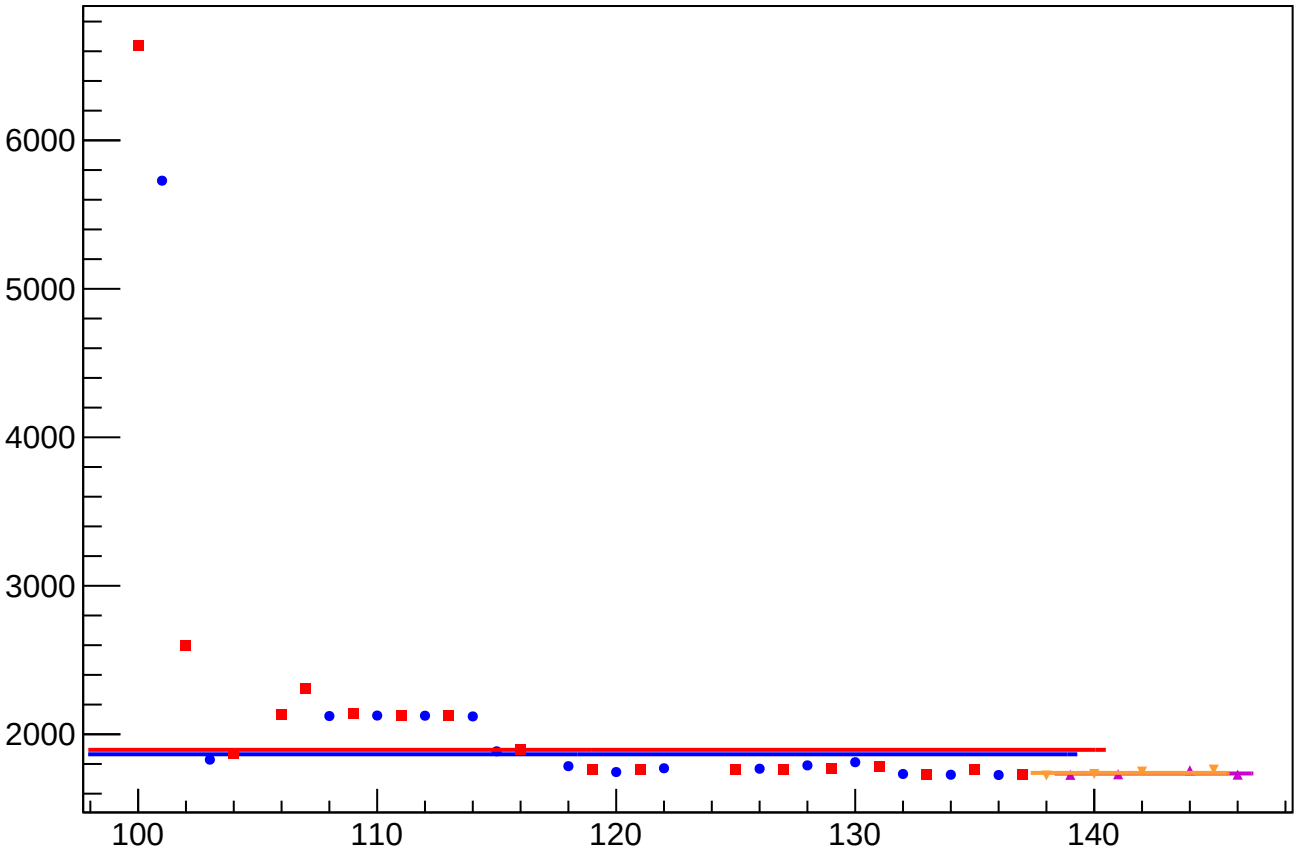
Left: -1082.176+/-686.282 χ^2/NDF: 4.7/7

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -360.244+/-562.698 χ^2/NDF:22.8/19

Out: -113.210+/-585.083 χ^2/NDF:21.6/21

All: -241.543+/-405.570 χ^2/NDF: 44.5/41



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1739.988+/-0.725 χ^2/NDF:478.9/3

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

Left: 1737.711+/-0.485 χ^2/NDF: 880.7/7

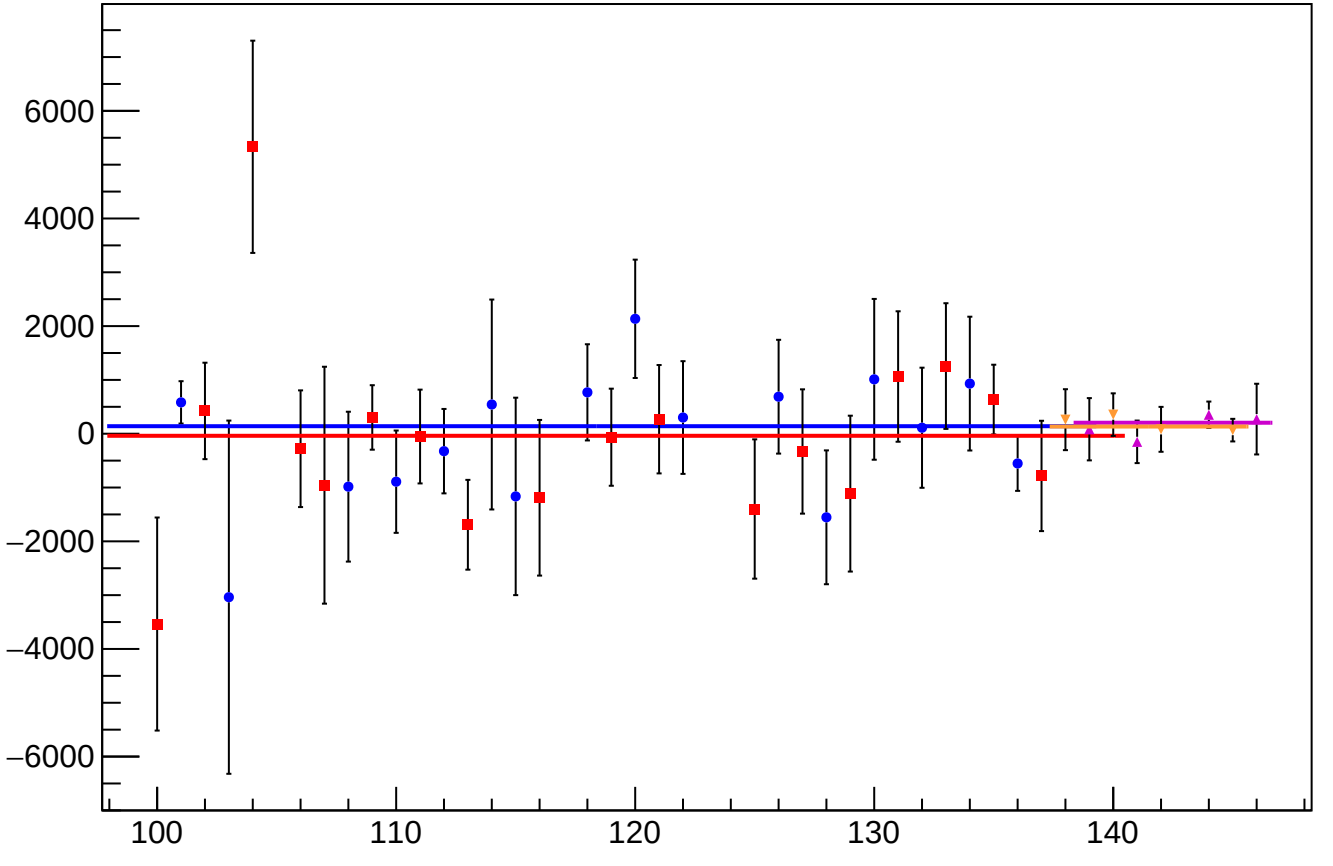
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1817.152+/-0.398 χ^2/NDF:697763.4/19

Out: 1844.738+/-0.414 χ^2/NDF:282198.5/21

All: 1830.407+/-0.287 χ^2/NDF: 982271.7/41

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 133.314+/-162.343 χ^2/NDF:0.5/3

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 204.102+/-187.784 χ^2/NDF:1.2/3

Left: 163.592+/-122.811 χ^2/NDF: 1.8/7

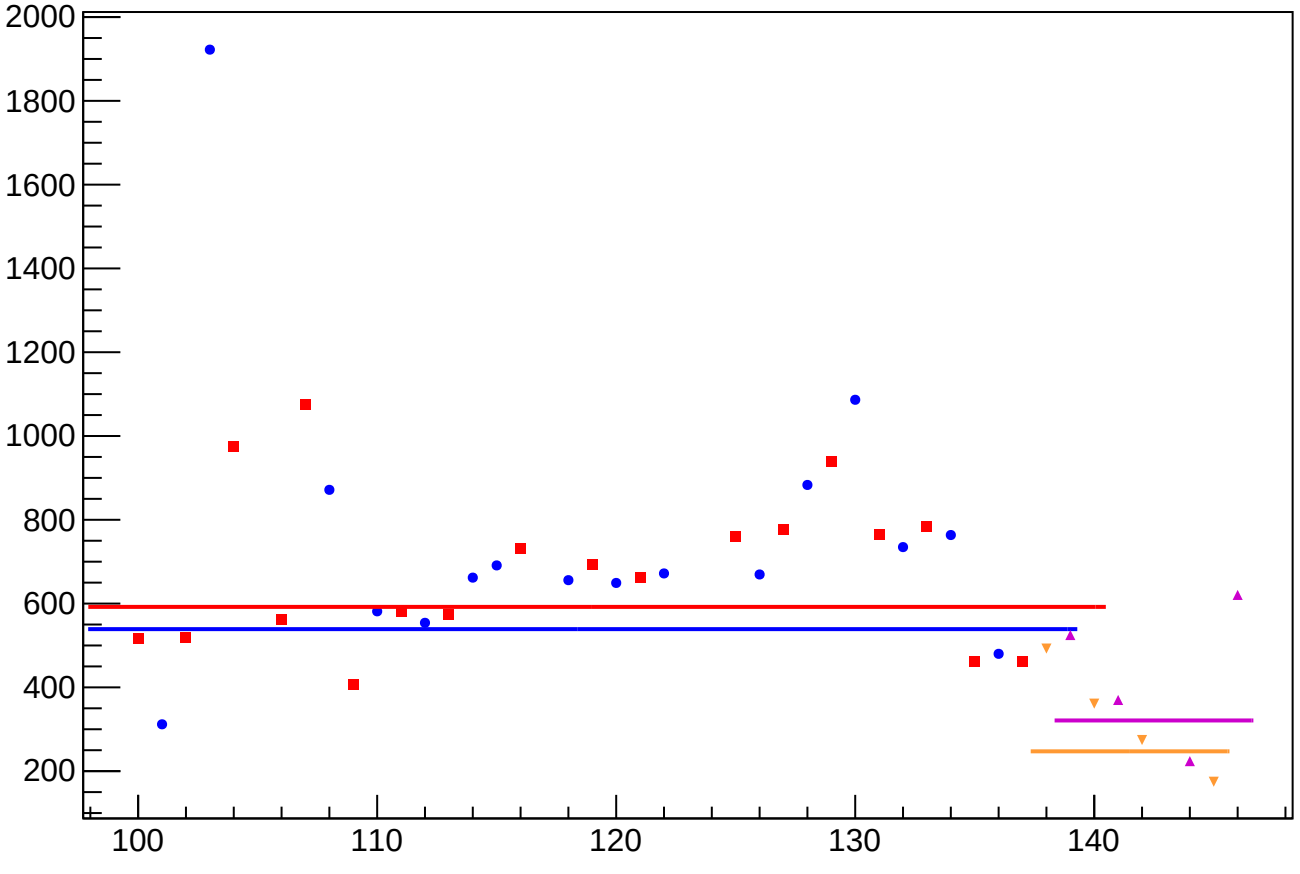
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 177.013+/-142.856 χ^2/NDF:14.7/19

Out: 78.795+/-134.159 χ^2/NDF:22.2/21

All: 124.824+/-97.795 χ^2/NDF: 37.2/41

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: 247.311+/-0.115 χ^2/NDF:788064.5/3

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 321.008+/-0.133 χ^2/NDF:1009295.1/3

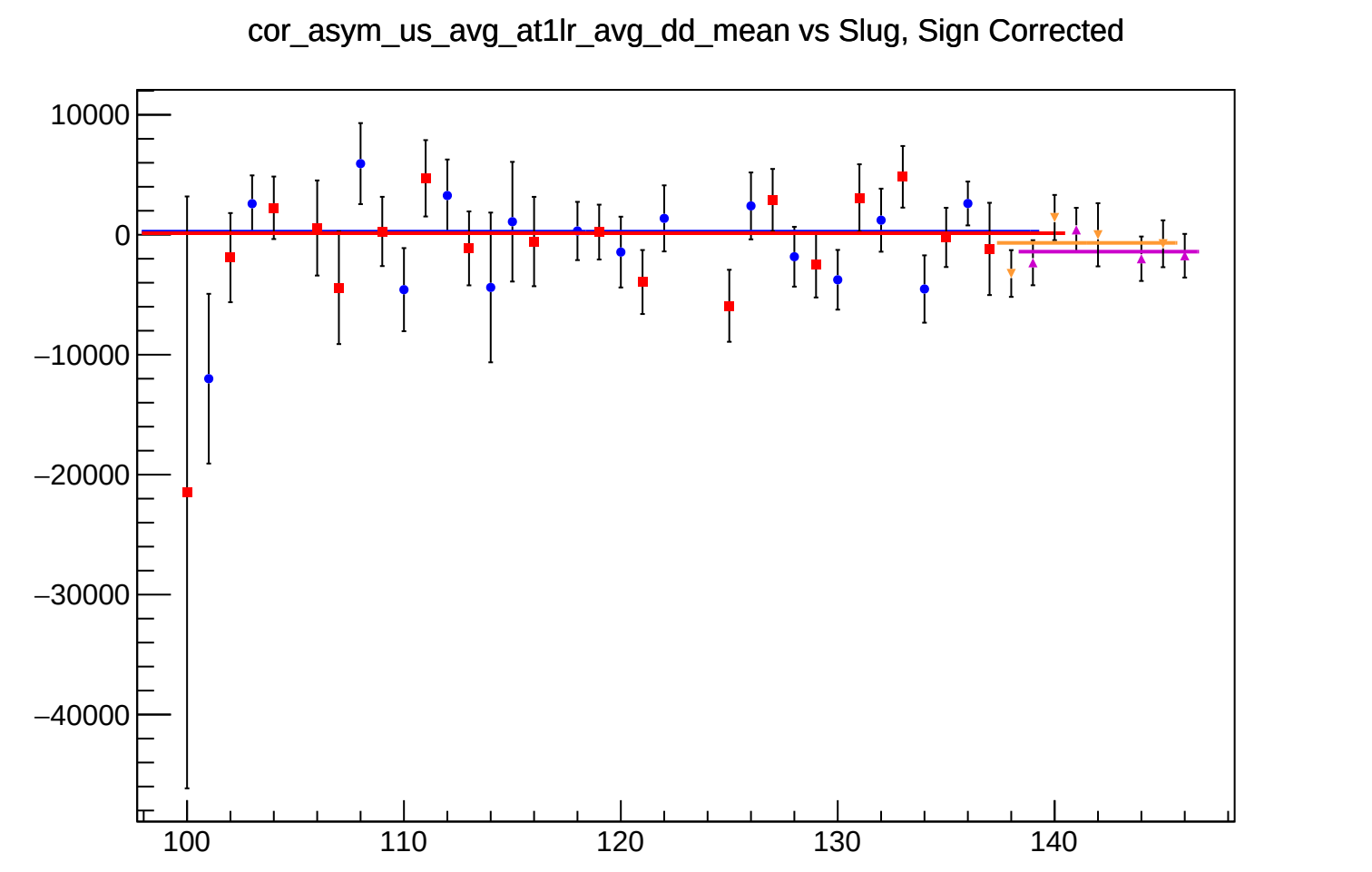
Left: 278.833+/-0.087 χ^2/NDF: 1973647.8/7

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 412.847+/-0.101 χ^2/NDF:3999441.4/19

Out: 356.635+/-0.095 χ^2/NDF:4491582.0/21

All: 382.978+/-0.069 χ^2/NDF: 8655567.5/41



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -678.523+/-1025.782 χ^2/NDF:3.0/3

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -1409.501+/-923.375 χ^2/NDF:1.4/3

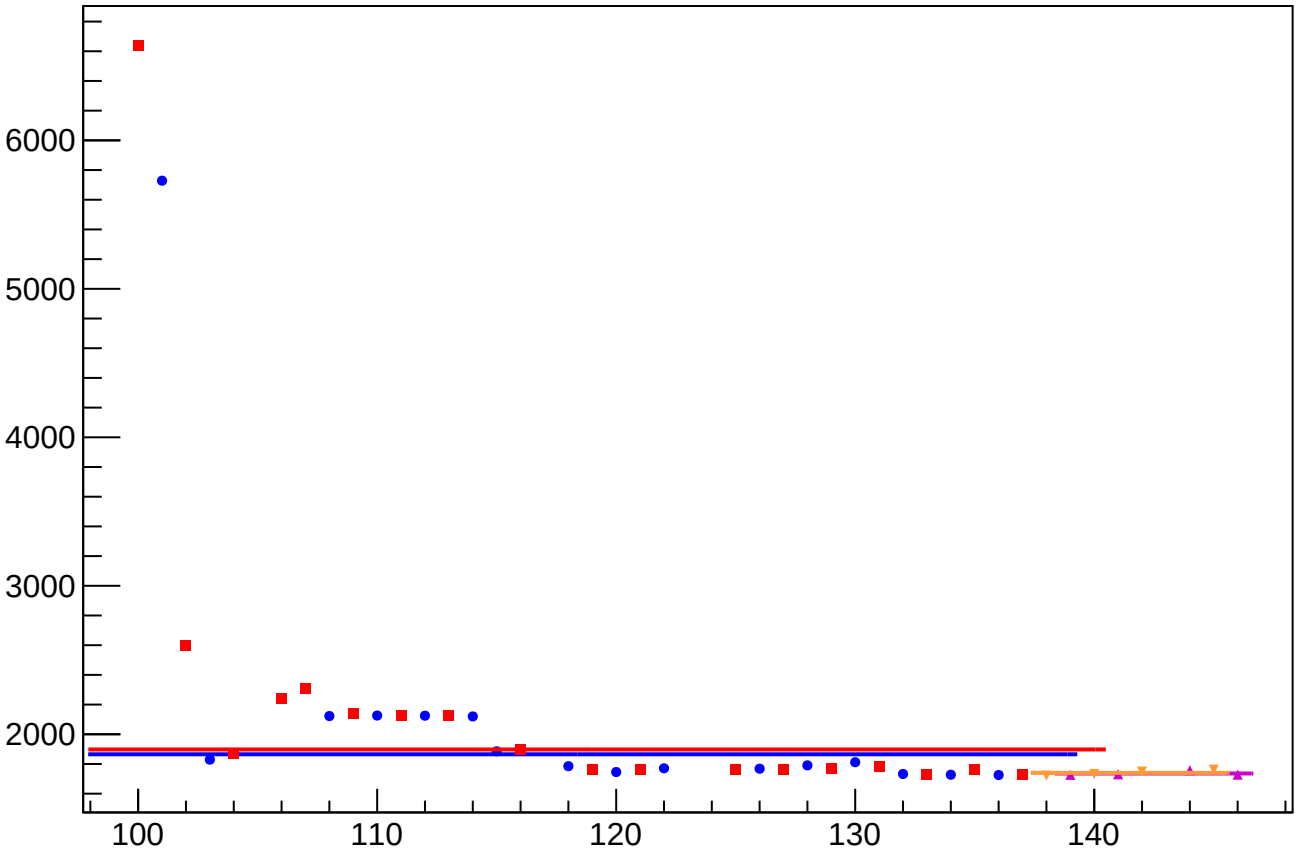
Left: -1082.312+/-686.282 χ^2/NDF: 4.7/7

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -360.181+/-562.698 χ^2/NDF:22.8/19

Out: -133.706+/-585.863 χ^2/NDF:21.5/21

All: -251.510+/-405.830 χ^2/NDF: 44.3/41



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1739.988+/-0.725 χ^2/NDF:478.9/3

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

Left: 1737.711+/-0.485 χ^2/NDF: 880.7/7

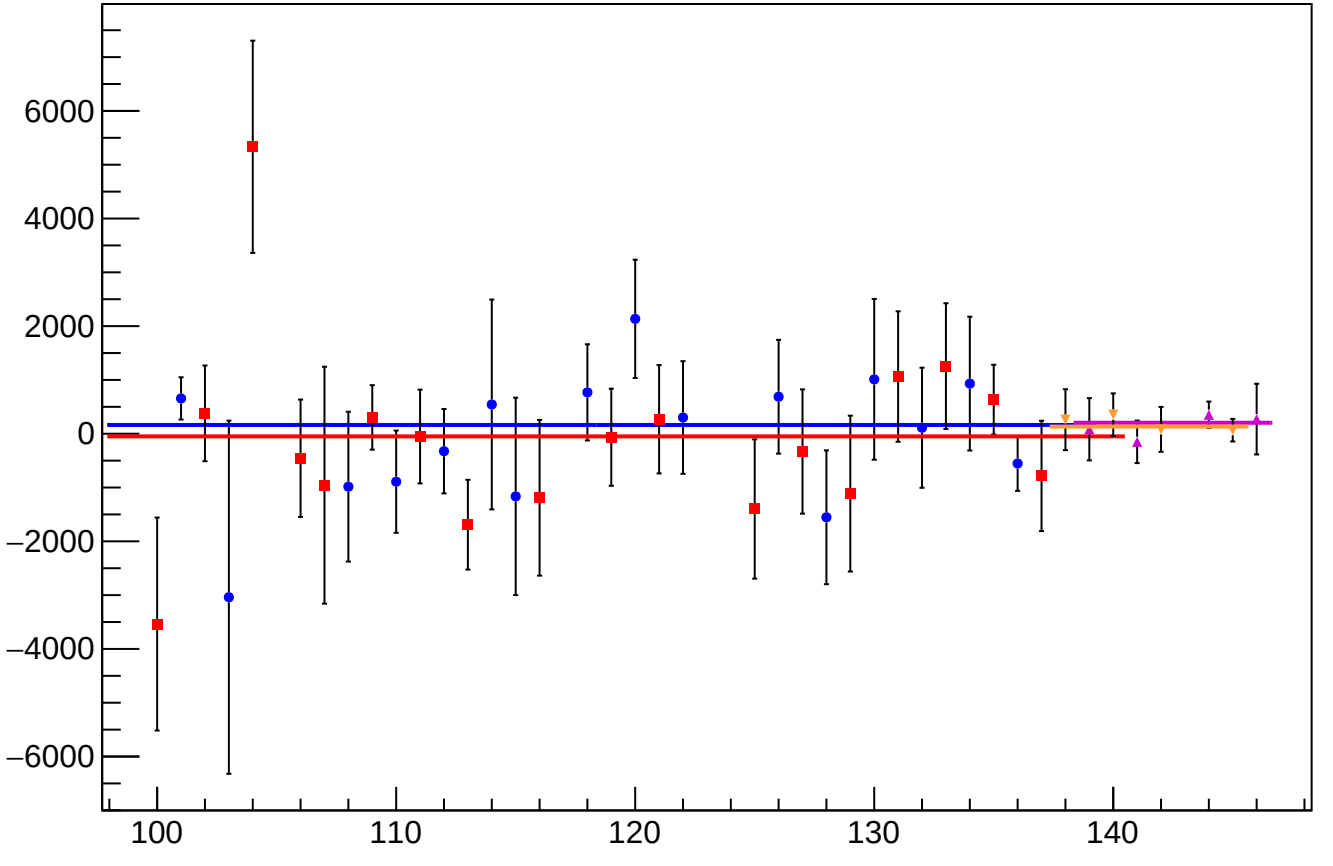
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1817.152+/-0.398 χ^2/NDF:697763.3/19

Out: 1846.255+/-0.414 χ^2/NDF:290069.4/21

All: 1831.117+/-0.287 χ^2/NDF: 990399.9/41

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 133.096+/-162.347 χ^2/NDF:0.5/3

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 204.071+/-187.785 χ^2/NDF:1.2/3

Left: 163.454+/-122.813 χ^2/NDF: 1.8/7

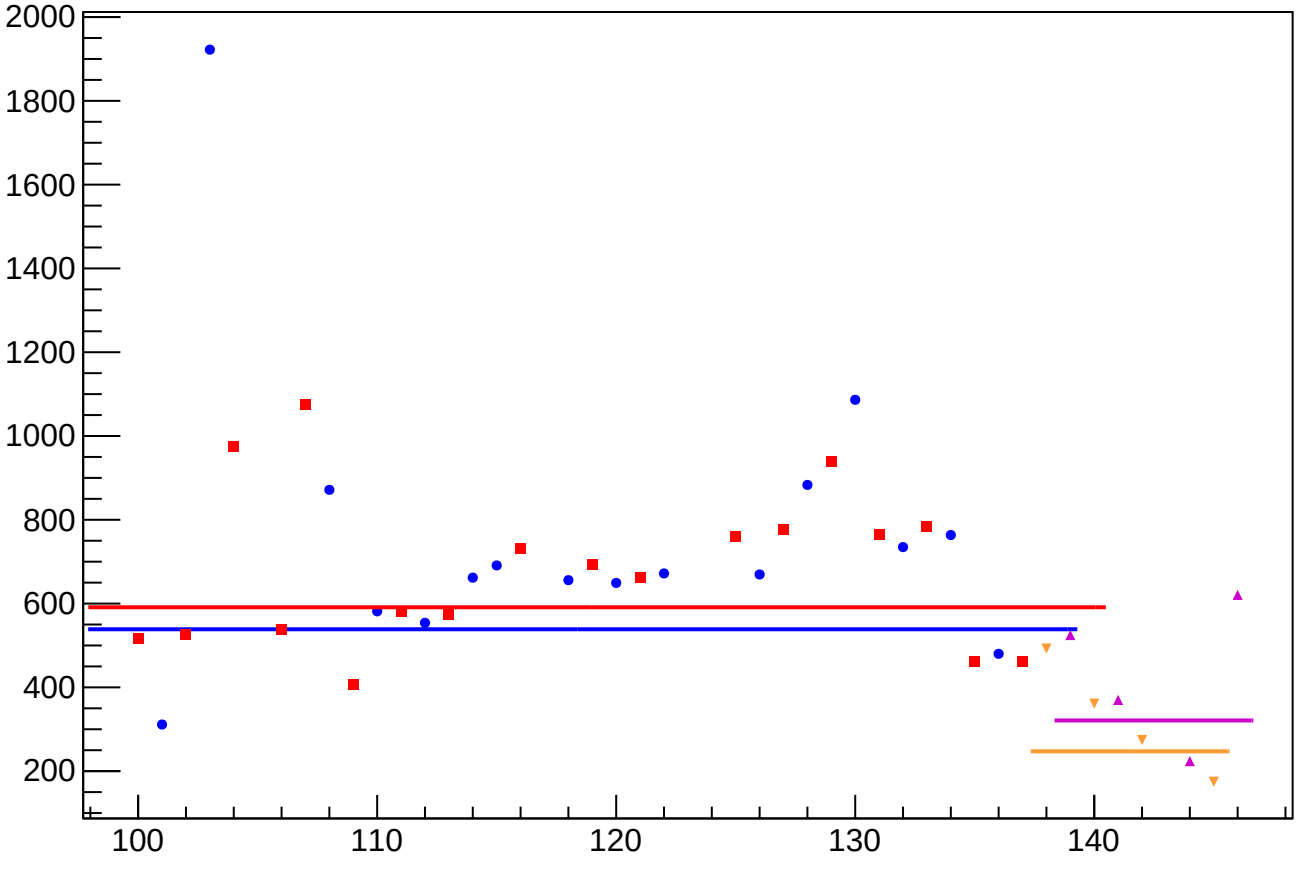
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 186.825+/-142.836 χ^2/NDF:15.2/19

Out: 75.142+/-134.151 χ^2/NDF:22.3/21

All: 127.485+/-97.785 χ^2/NDF: 37.8/41

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: 247.317+/-0.115 χ^2/NDF:788076.7/3

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 321.018+/-0.133 χ^2/NDF:1009139.5/3

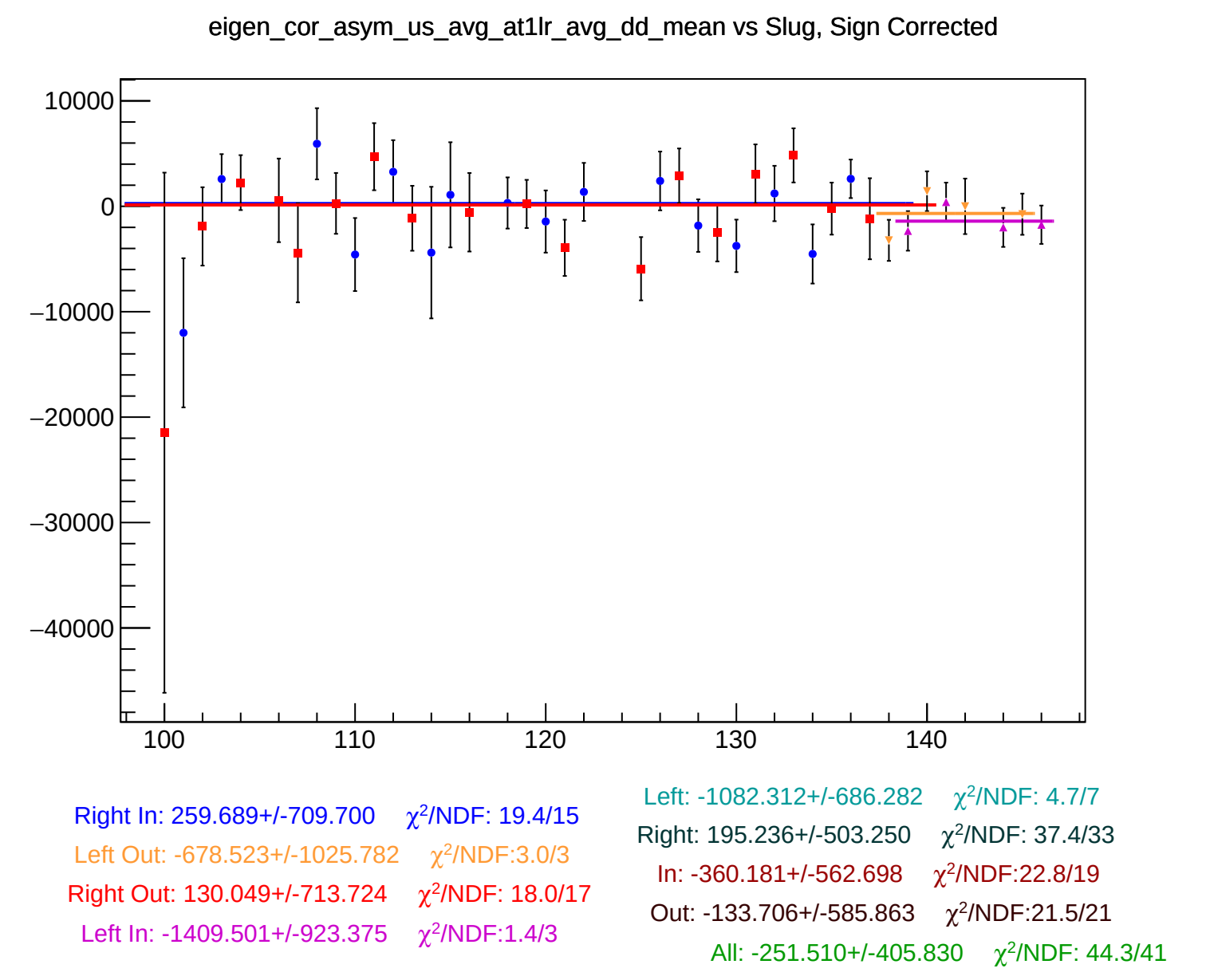
Left: 278.841+/-0.087 χ^2/NDF: 1973520.3/7

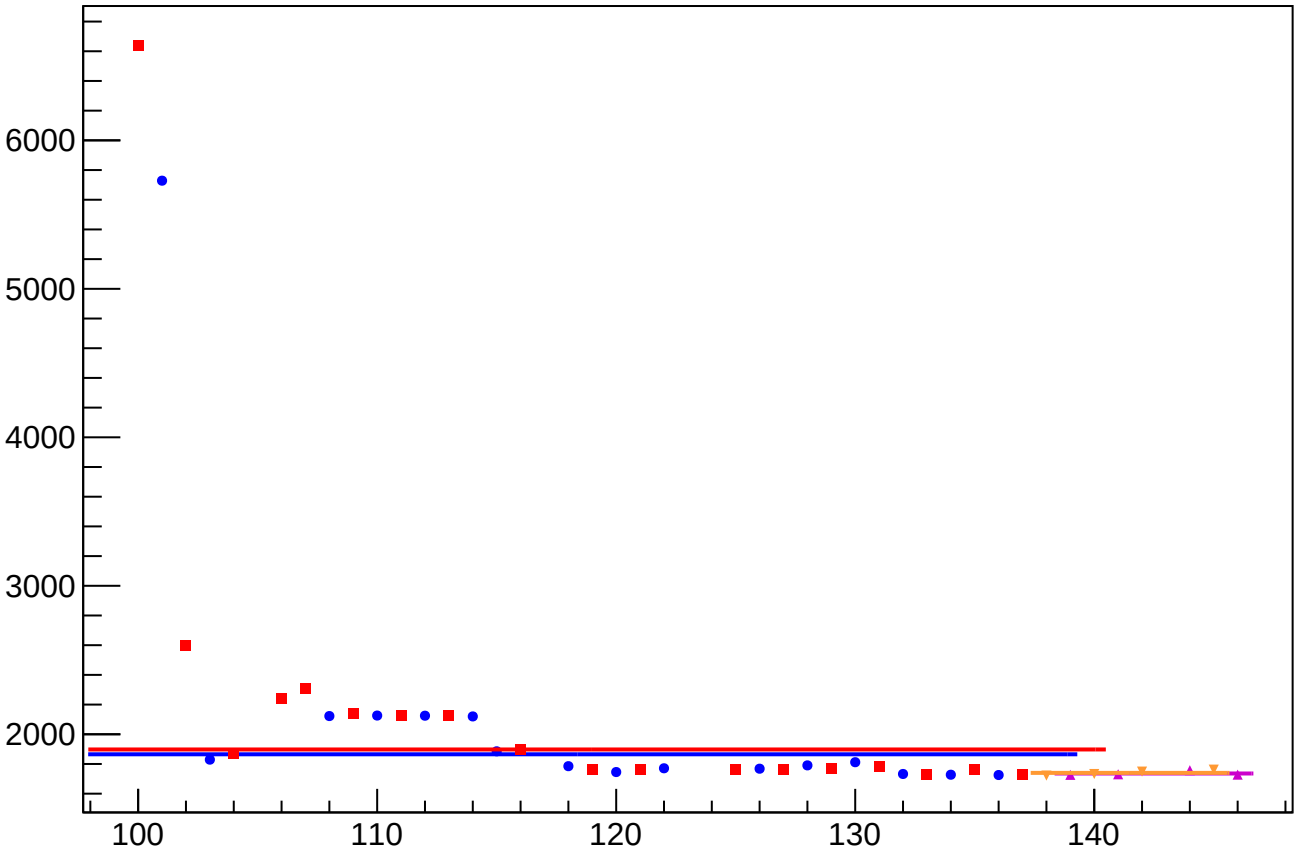
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 412.759+/-0.101 χ^2/NDF:4000686.6/19

Out: 356.405+/-0.095 χ^2/NDF:4479588.0/21

All: 382.817+/-0.069 χ^2/NDF: 8645683.8/41


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -678.523+/-1025.782 χ²/NDF:3.0/3
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -1409.501+/-923.375 χ²/NDF:1.4/3
Left: -1082.312+/-686.282 χ²/NDF: 4.7/7
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -360.181+/-562.698 χ²/NDF:22.8/19
Out: -133.706+/-585.863 χ²/NDF:21.5/21
All: -251.510+/-405.830 χ²/NDF: 44.3/41



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1739.988+/-0.725 χ^2/NDF:478.9/3

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

Left: 1737.711+/-0.485 χ^2/NDF: 880.7/7

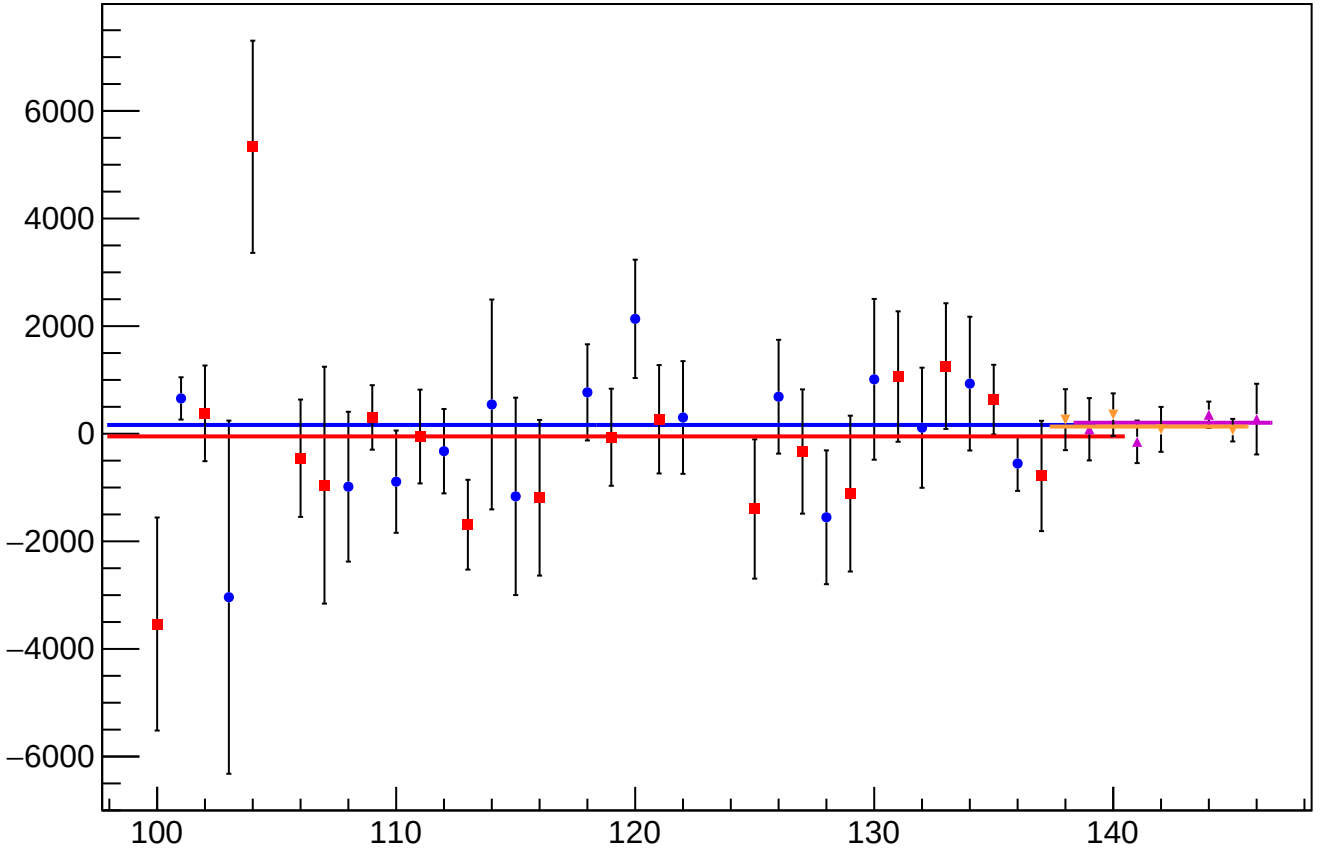
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1817.152+/-0.398 χ^2/NDF:697763.3/19

Out: 1846.255+/-0.414 χ^2/NDF:290069.4/21

All: 1831.117+/-0.287 χ^2/NDF: 990399.9/41

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 133.096+/-162.347 χ^2/NDF:0.5/3

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 204.071+/-187.785 χ^2/NDF:1.2/3

Left: 163.454+/-122.813 χ^2/NDF: 1.8/7

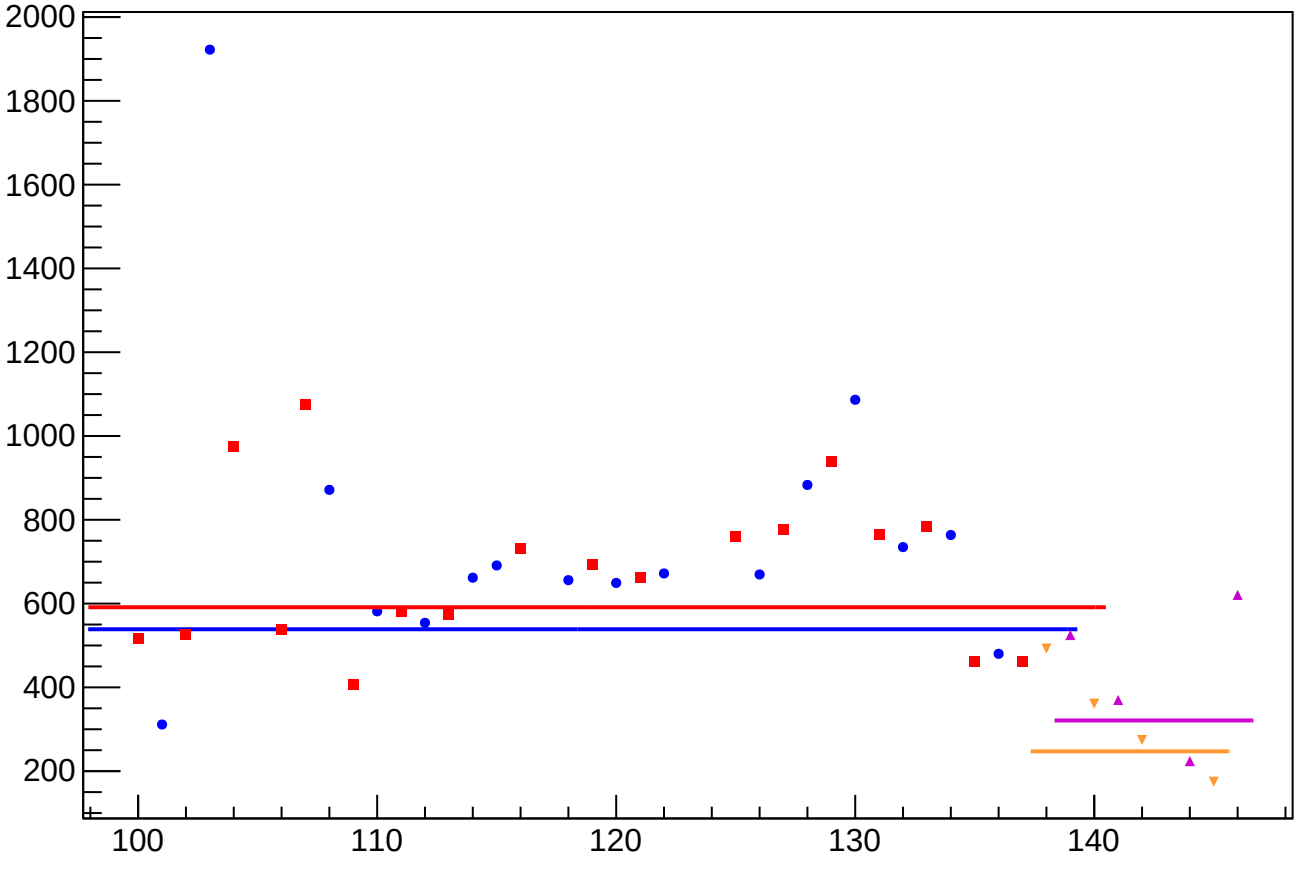
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 186.825+/-142.836 χ^2/NDF:15.2/19

Out: 75.142+/-134.151 χ^2/NDF:22.3/21

All: 127.485+/-97.785 χ^2/NDF: 37.8/41

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: 247.317+/-0.115 χ^2/NDF:788076.7/3

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 321.018+/-0.133 χ^2/NDF:1009139.5/3

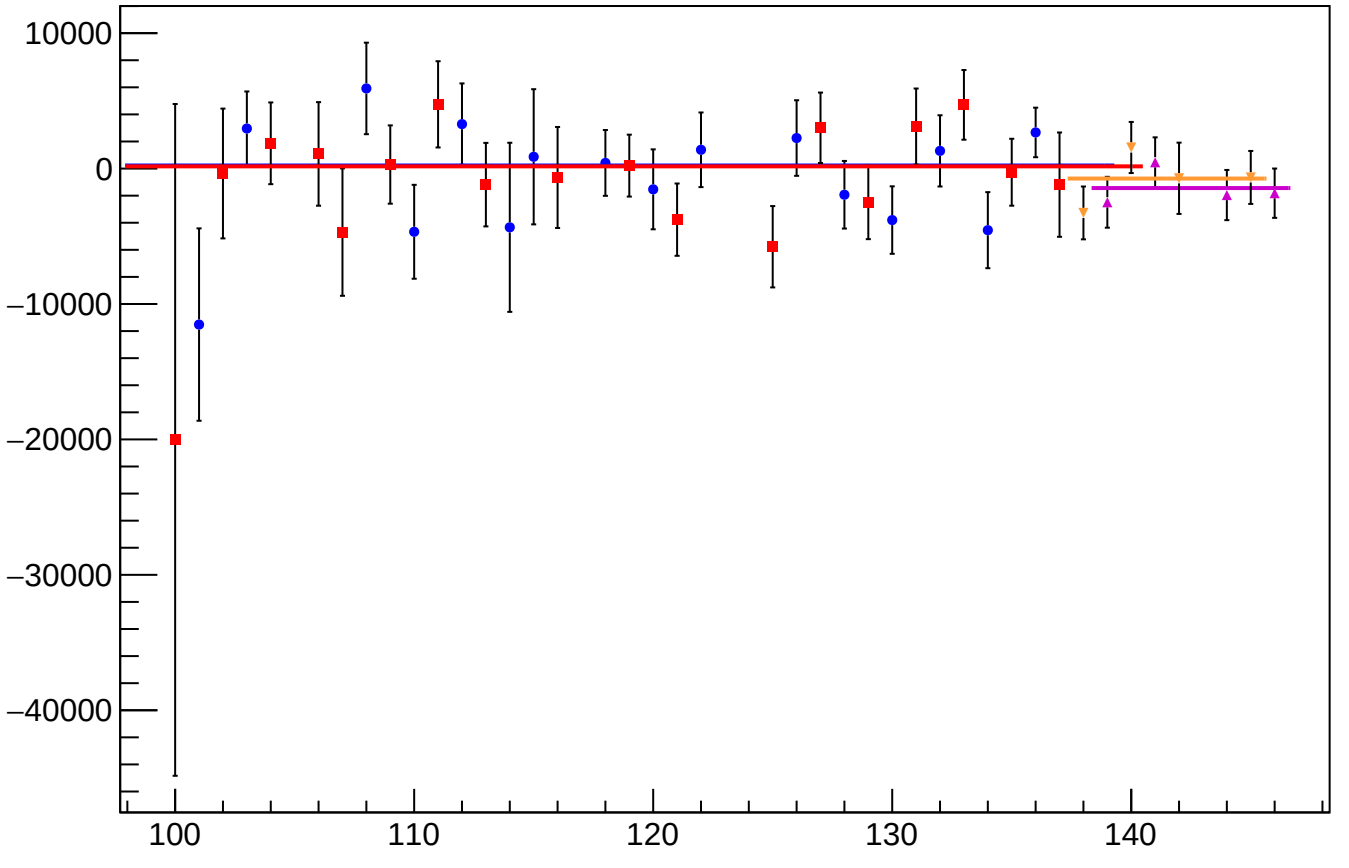
Left: 278.841+/-0.087 χ^2/NDF: 1973520.3/7

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 412.759+/-0.101 χ^2/NDF:4000686.6/19

Out: 356.405+/-0.095 χ^2/NDF:4479588.0/21

All: 382.817+/-0.069 χ^2/NDF: 8645683.8/41



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -736.198+/-1026.324 χ^2/NDF:3.2/3

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -1438.640+/-923.948 χ^2/NDF:1.5/3

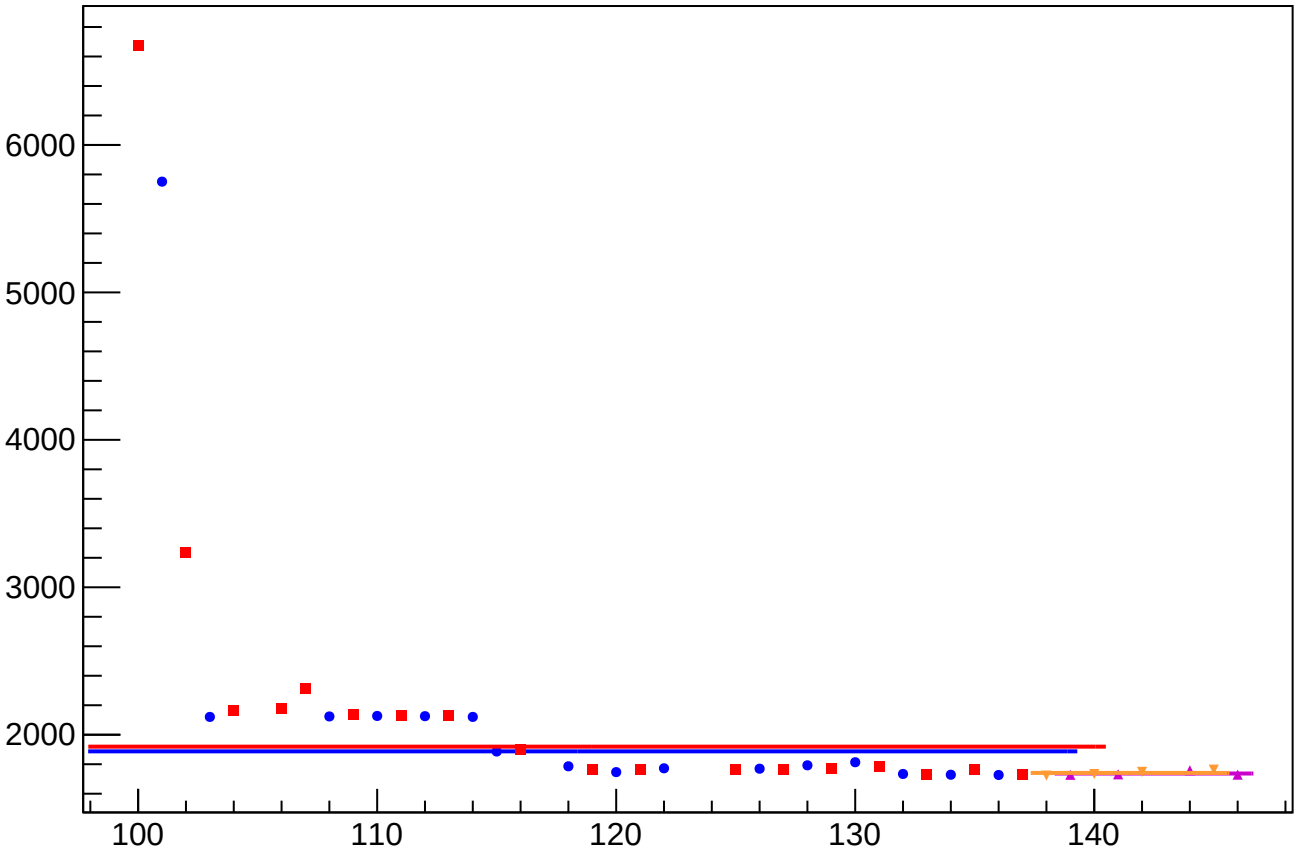
Left: -1124.192+/-686.680 χ^2/NDF: 4.9/7

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -401.224+/-567.214 χ^2/NDF:22.9/19

Out: -136.302+/-592.591 χ^2/NDF:20.7/21

All: -274.556+/-409.759 χ^2/NDF: 43.8/41



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1740.901+/-0.726 χ^2/NDF:474.7/3

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1736.939+/-0.653 χ^2/NDF:374.6/3

Left: 1738.712+/-0.486 χ^2/NDF: 865.8/7

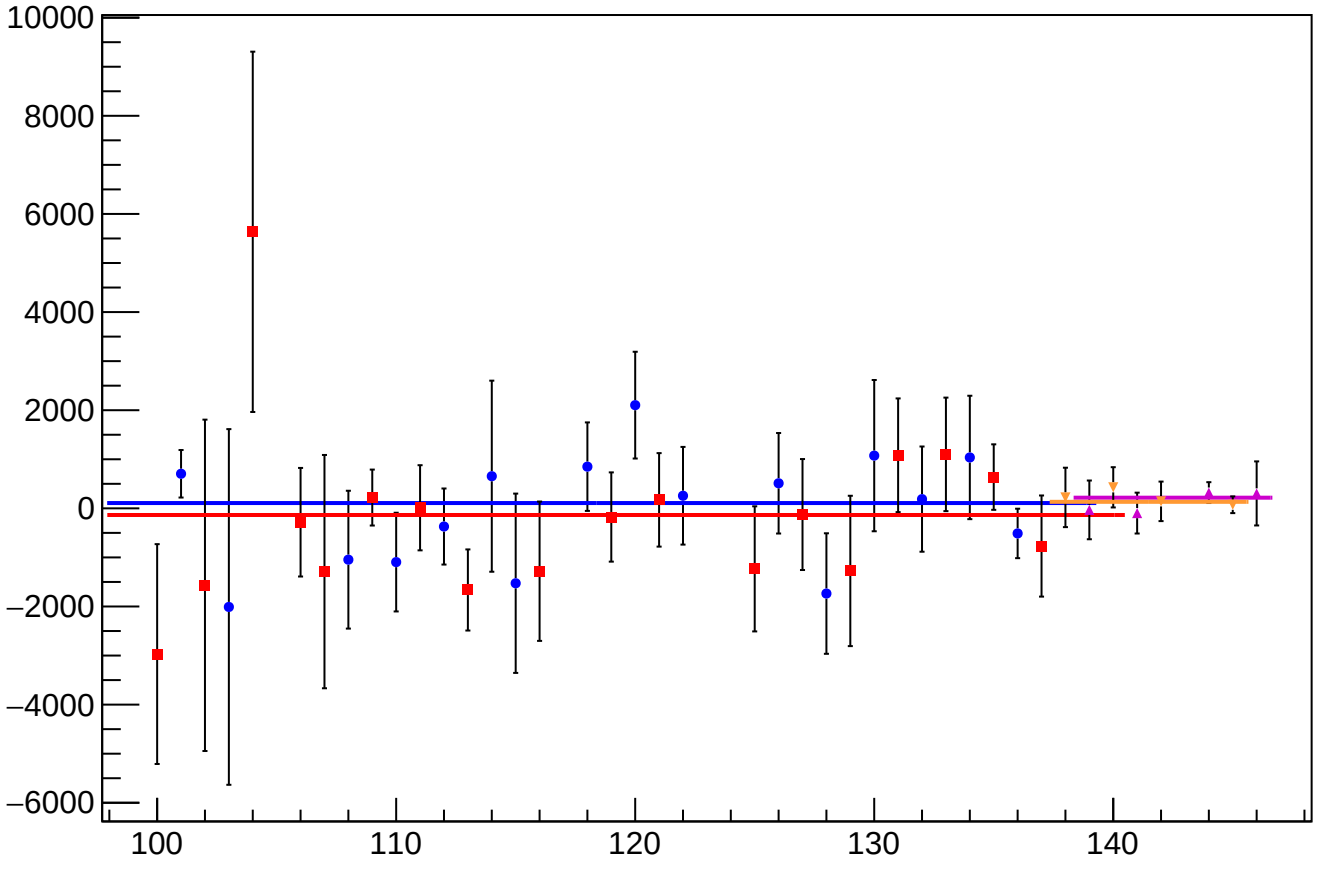
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1830.639+/-0.401 χ^2/NDF:722826.8/19

Out: 1859.735+/-0.419 χ^2/NDF:393263.8/21

All: 1844.550+/-0.290 χ^2/NDF: 1118606.9/41

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 132.986+/-142.406 χ^2/NDF:0.7/3

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 217.306+/-173.823 χ^2/NDF:1.0/3

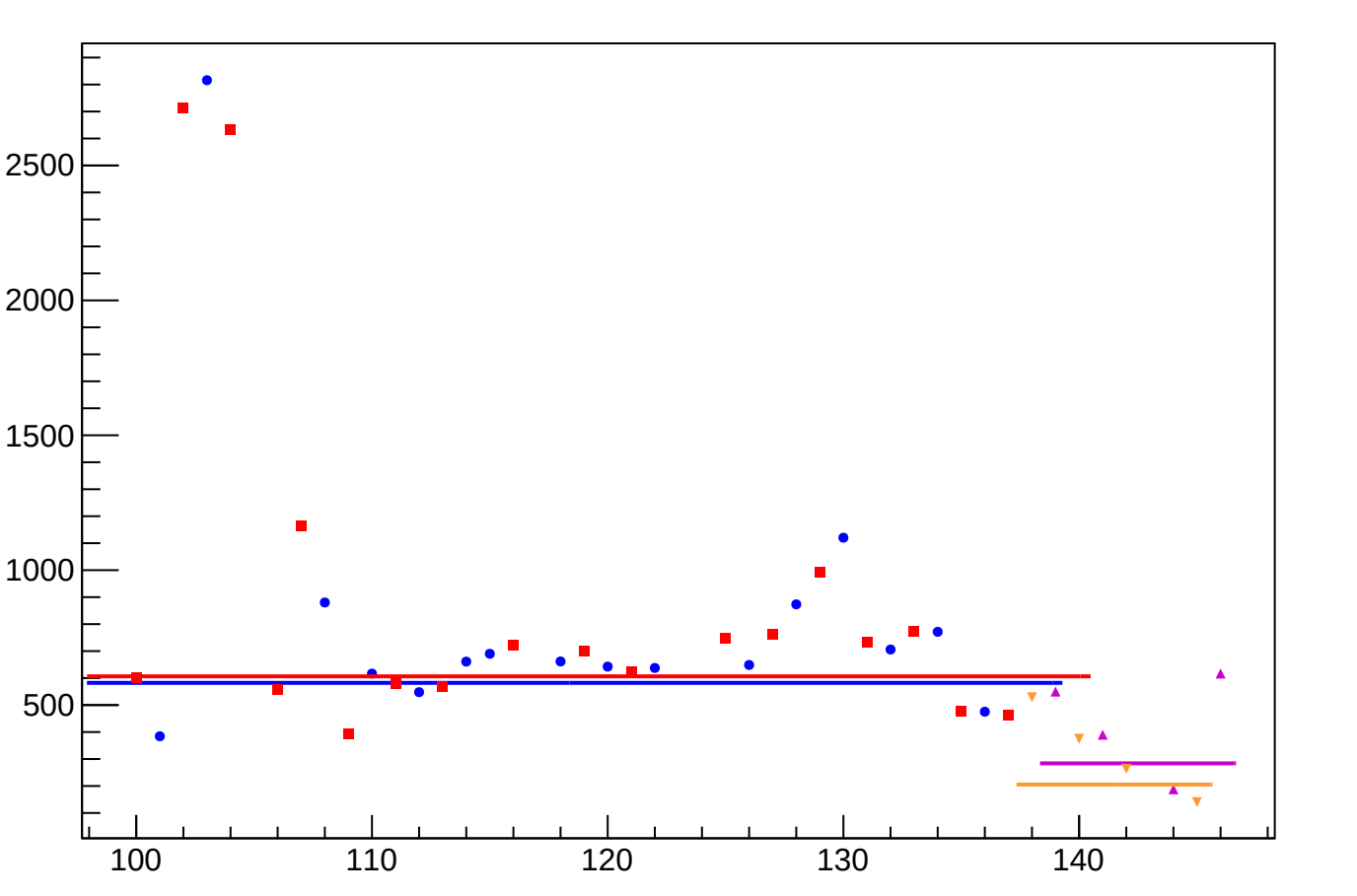
Left: 166.850+/-110.158 χ^2/NDF: 1.8/7

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 177.991+/-139.047 χ^2/NDF:15.3/19

Out: 65.605+/-123.236 χ^2/NDF:15.9/21

All: 115.048+/-92.227 χ^2/NDF: 31.6/41



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 205.464+/-0.101 χ^2/NDF:1248431.6/3

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 284.016+/-0.123 χ^2/NDF:1454610.7/3

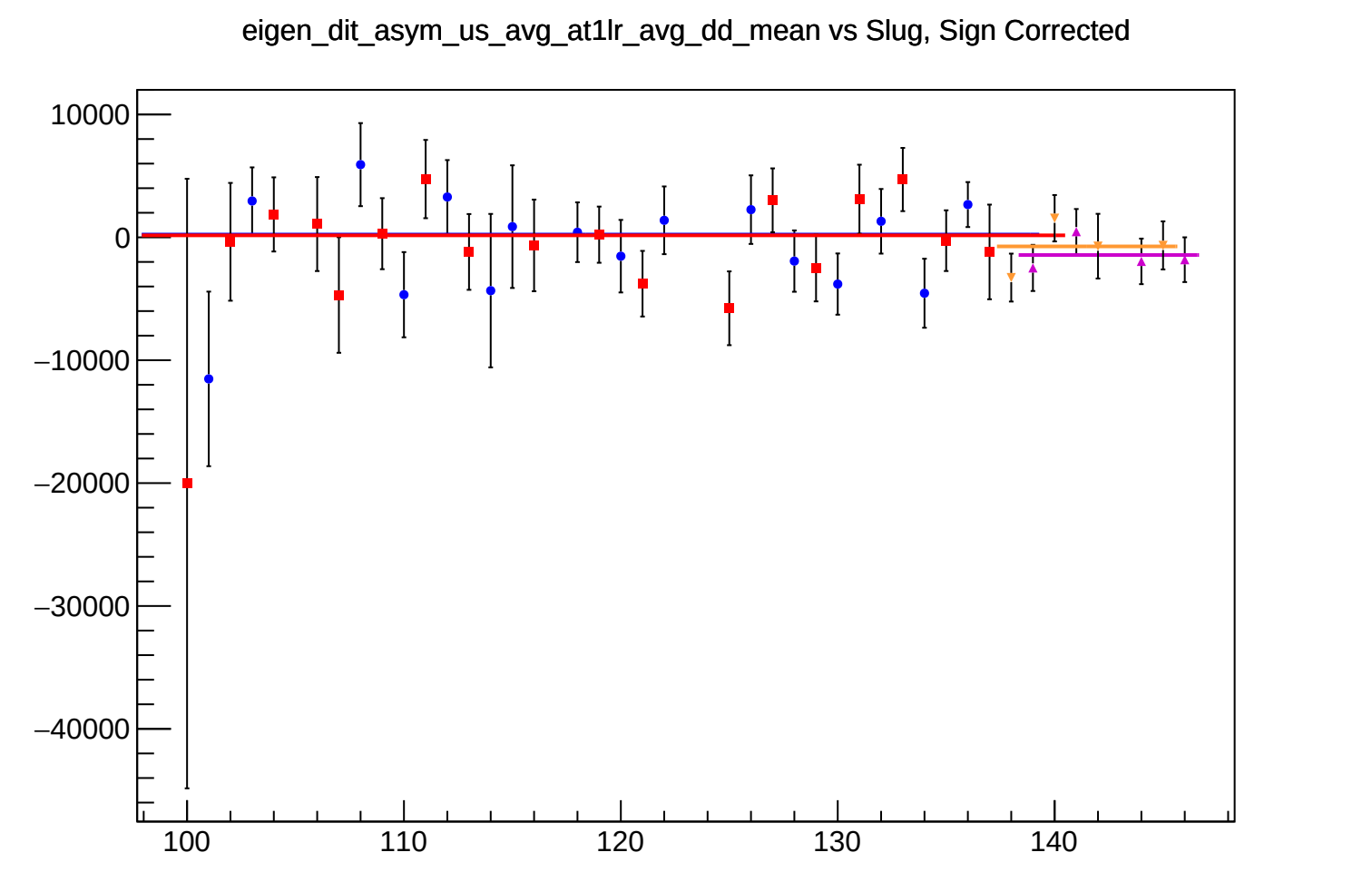
Left: 237.012+/-0.078 χ^2/NDF: 2947443.7/7

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 391.419+/-0.098 χ^2/NDF:5329313.4/19

Out: 306.151+/-0.087 χ^2/NDF:7428637.4/21

All: 343.664+/-0.065 χ^2/NDF: 13179178.1/41



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -736.198+/-1026.324 χ^2/NDF:3.2/3

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -1438.641+/-923.948 χ^2/NDF:1.5/3

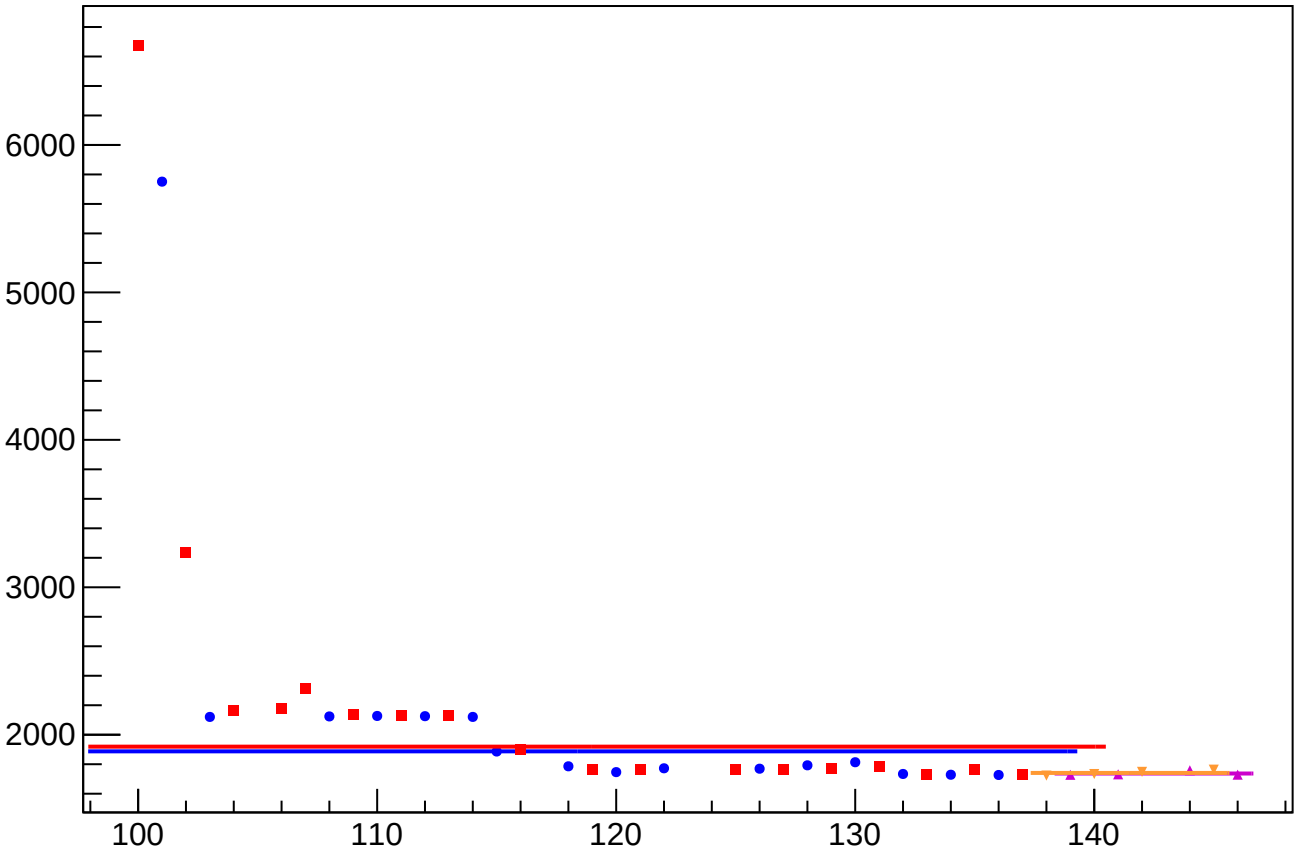
Left: -1124.192+/-686.680 χ^2/NDF: 4.9/7

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: -401.224+/-567.214 χ^2/NDF:22.9/19

Out: -136.301+/-592.591 χ^2/NDF:20.7/21

All: -274.556+/-409.759 χ^2/NDF: 43.8/41



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1740.901+/-0.726 χ^2/NDF:474.7/3

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1736.939+/-0.653 χ^2/NDF:374.6/3

Left: 1738.712+/-0.486 χ^2/NDF: 865.8/7

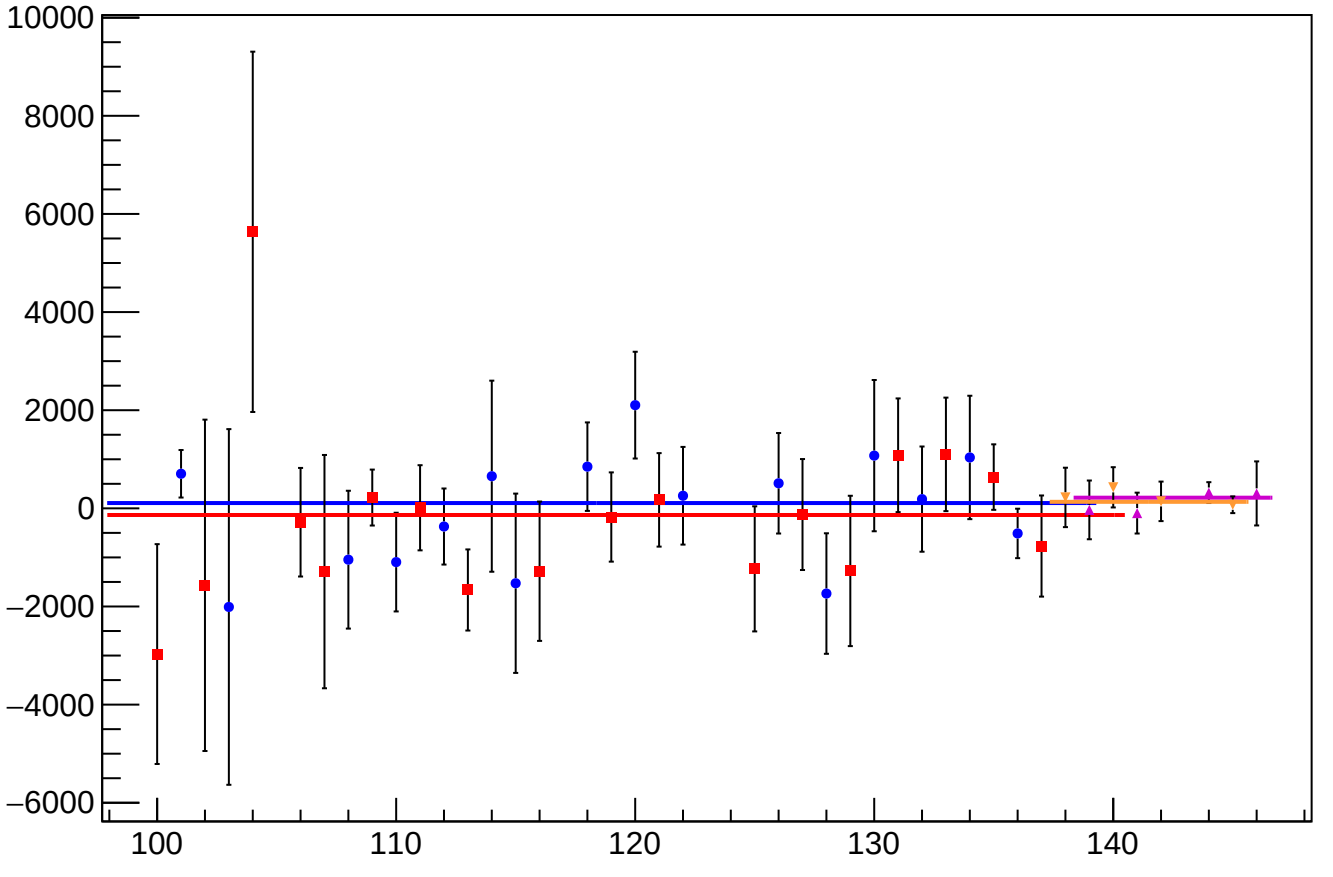
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1830.638+/-0.401 χ^2/NDF:722826.5/19

Out: 1859.735+/-0.419 χ^2/NDF:393263.0/21

All: 1844.550+/-0.290 χ^2/NDF: 1118605.7/41

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: 132.985+/-142.406 χ^2/NDF:0.7/3

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 217.305+/-173.824 χ^2/NDF:1.0/3

Left: 166.849+/-110.158 χ^2/NDF: 1.8/7

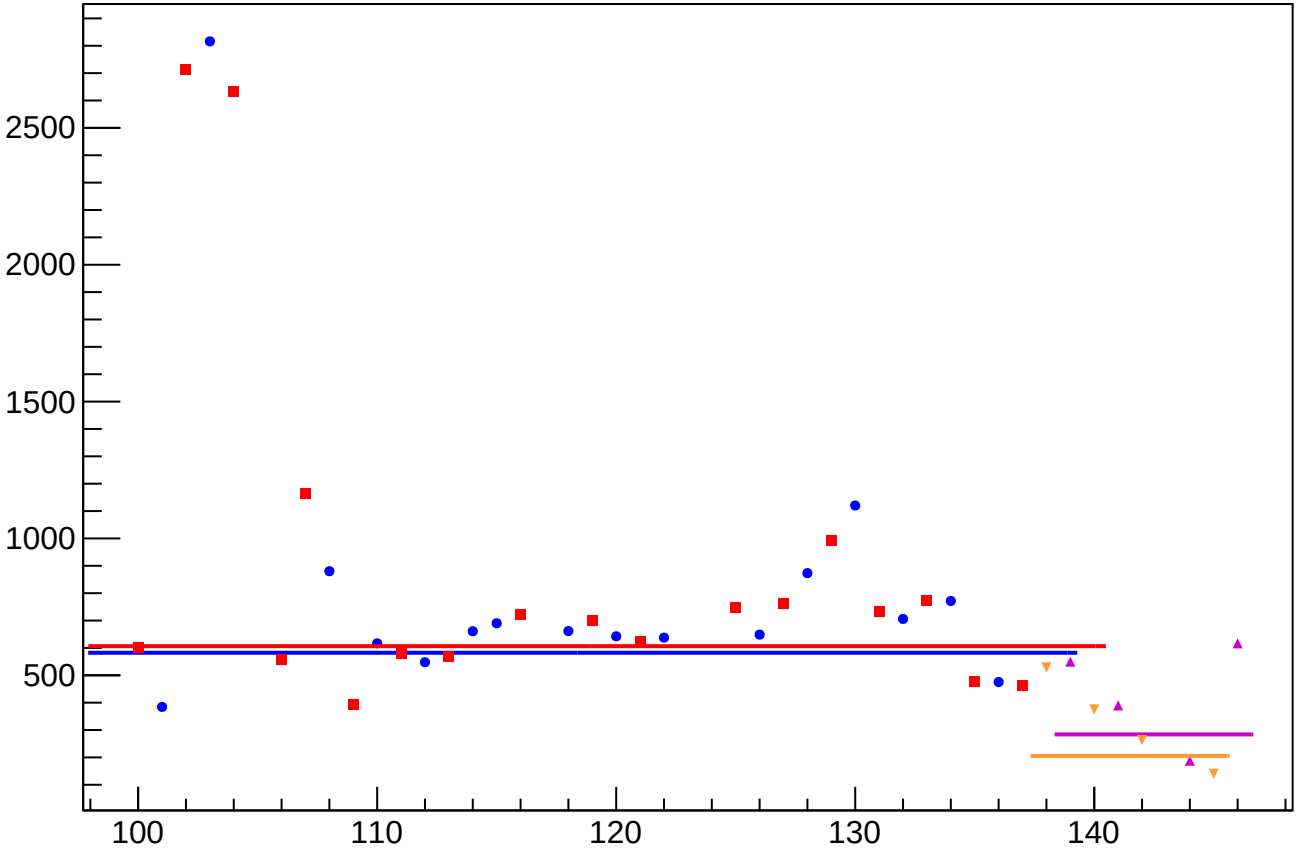
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 177.990+/-139.047 χ^2/NDF:15.3/19

Out: 65.604+/-123.236 χ^2/NDF:15.9/21

All: 115.047+/-92.227 χ^2/NDF: 31.6/41

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 205.464+/-0.101 χ^2/NDF:1248445.0/3

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 284.016+/-0.123 χ^2/NDF:1454620.1/3

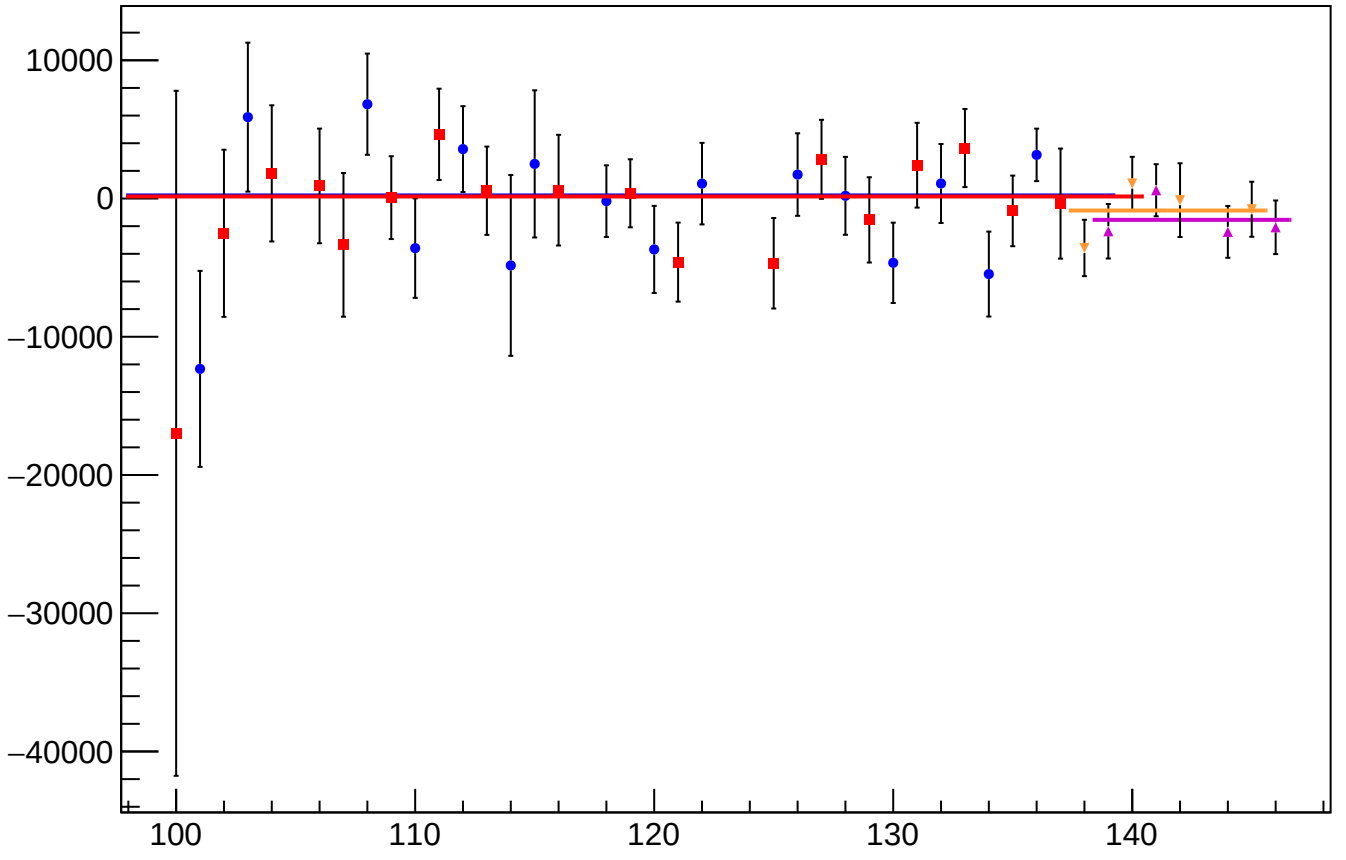
Left: 237.012+/-0.078 χ^2/NDF: 2947468.0/7

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 391.420+/-0.098 χ^2/NDF:5329289.9/19

Out: 306.151+/-0.087 χ^2/NDF:7428626.3/21

All: 343.664+/-0.065 χ^2/NDF: 13179147.4/41



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -866.251+/-1052.853 χ^2/NDF:2.9/3

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -1542.512+/-957.619 χ^2/NDF:1.8/3

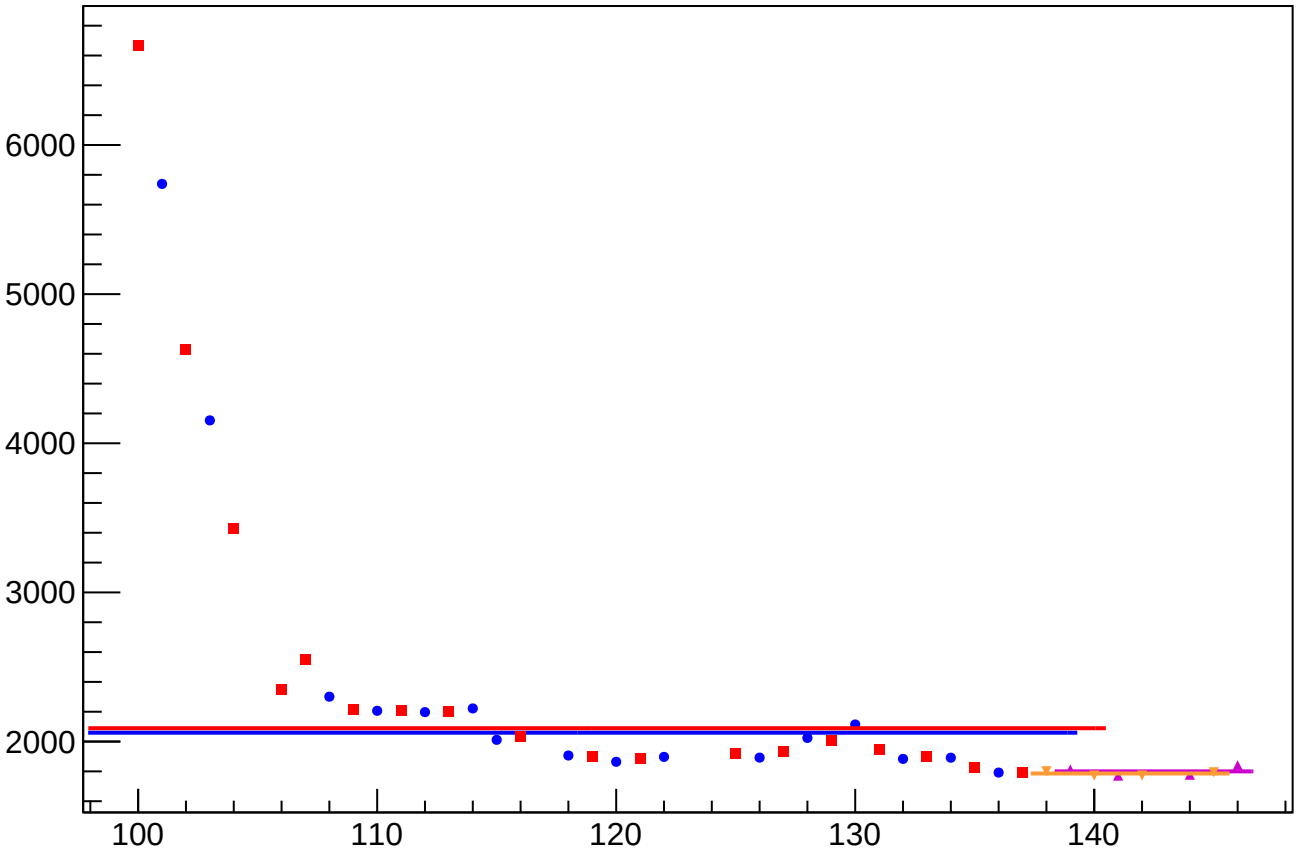
Left: -1236.344+/-708.420 χ^2/NDF: 4.9/7

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -492.866+/-610.165 χ^2/NDF:25.0/19

Out: -219.830+/-634.029 χ^2/NDF:15.0/21

All: -361.583+/-439.646 χ^2/NDF: 40.1/41



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1785.868+/-0.744 χ^2/NDF:296.2/3

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1800.040+/-0.677 χ^2/NDF:1725.1/3

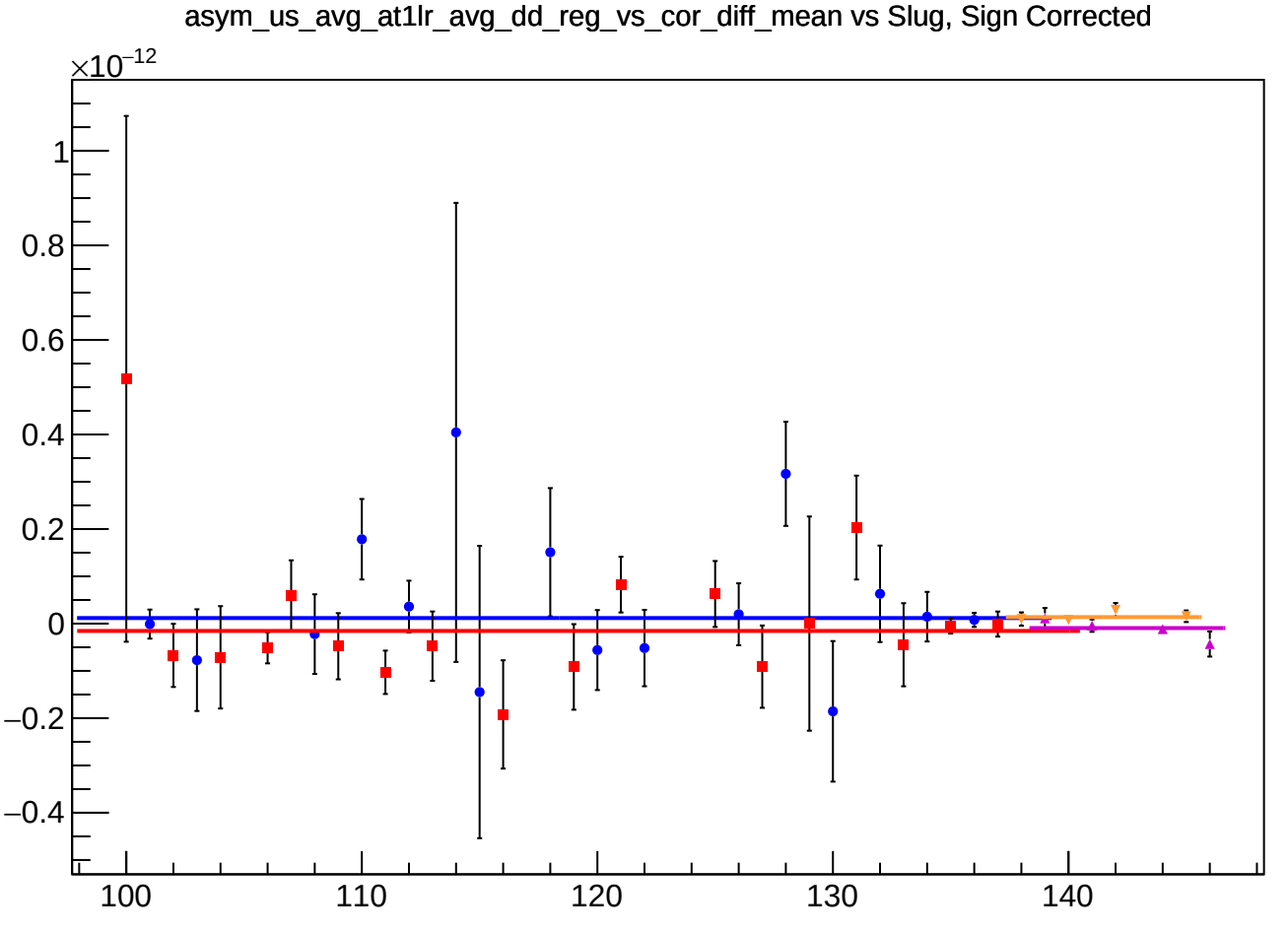
Left: 1793.623+/-0.501 χ^2/NDF: 2219.6/7

Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1954.161+/-0.431 χ^2/NDF:1028809.7/19

Out: 1979.374+/-0.448 χ^2/NDF:787761.8/21

All: 1966.284+/-0.311 χ^2/NDF: 1818213.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:2.7/3

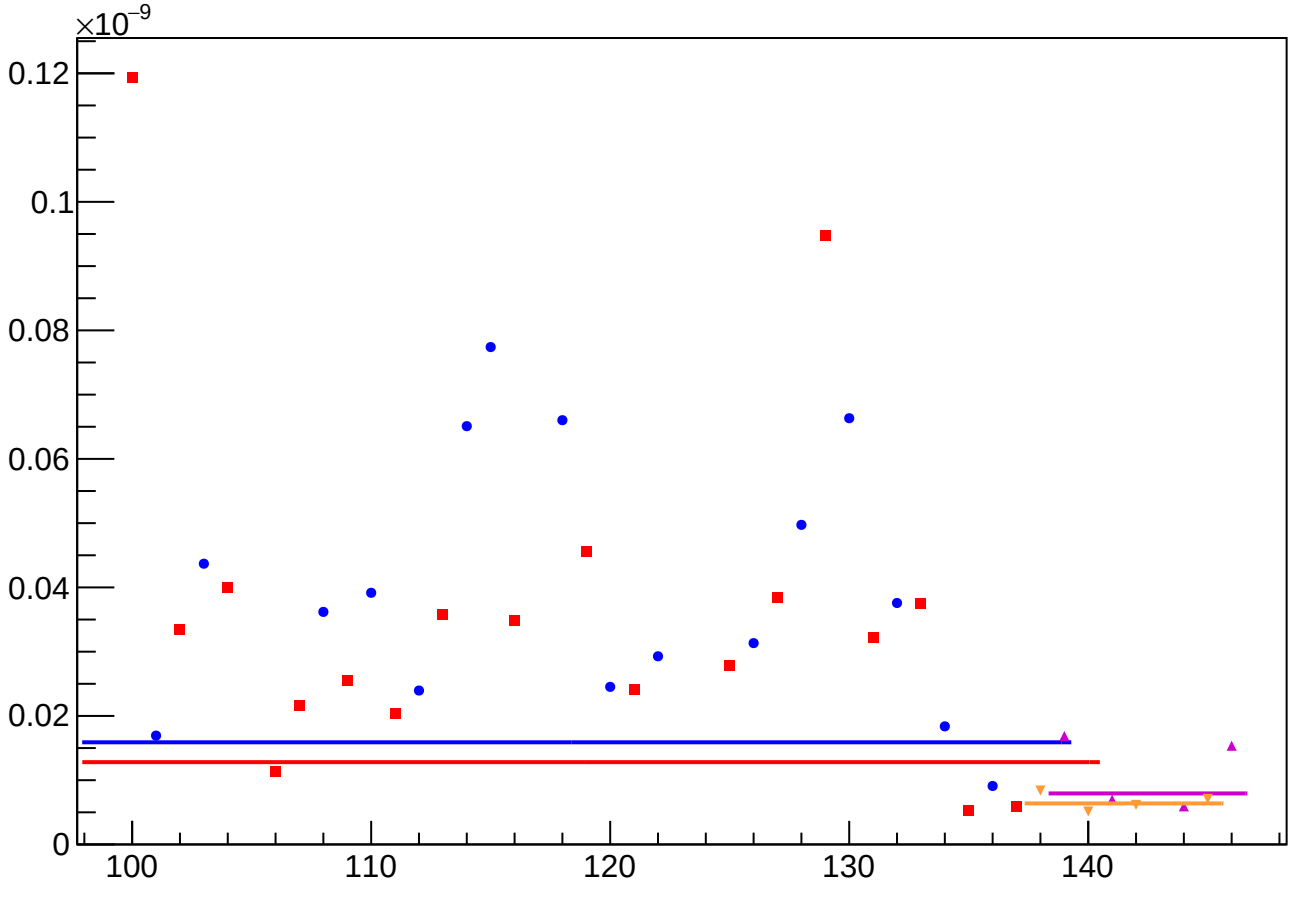
Left: 0.000+/-0.000 χ^2/NDF: 10.7/7

Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

In: -0.000+/-0.000 χ^2/NDF:23.2/19

Out: 0.000+/-0.000 χ^2/NDF:28.0/21

All: 0.000+/-0.000 χ^2/NDF: 53.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:80995.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:593236.1/3

Left: 0.000+/-0.000 χ^2/NDF: 731731.0/7

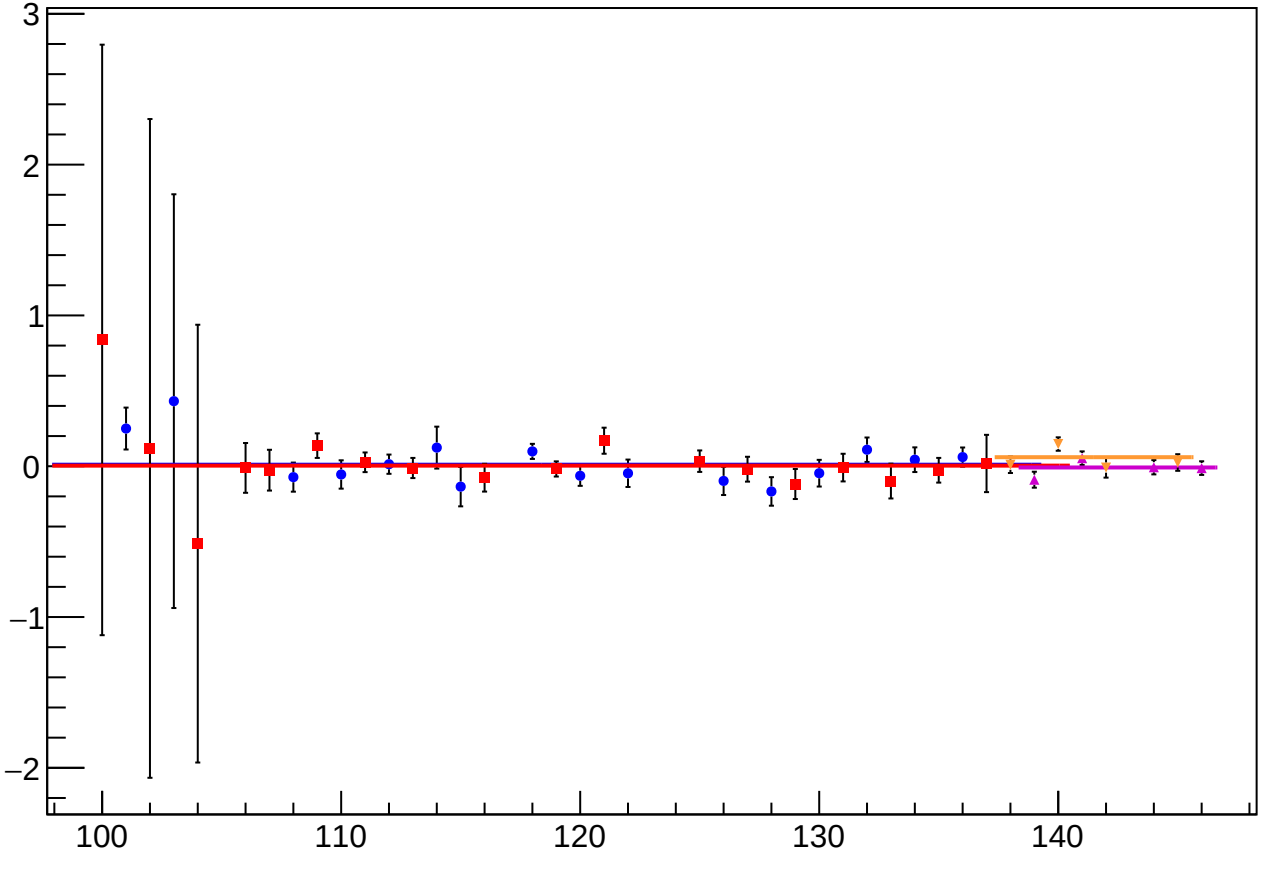
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:3226003.3/19

Out: 0.000+/-0.000 χ^2/NDF:3114670.4/21

All: 0.000+/-0.000 χ^2/NDF: 6477543.8/41

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: 0.060+/-0.027 χ^2/NDF:6.2/3

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.008+/-0.024 χ^2/NDF:4.2/3

Left: 0.022+/-0.018 χ^2/NDF: 14.0/7

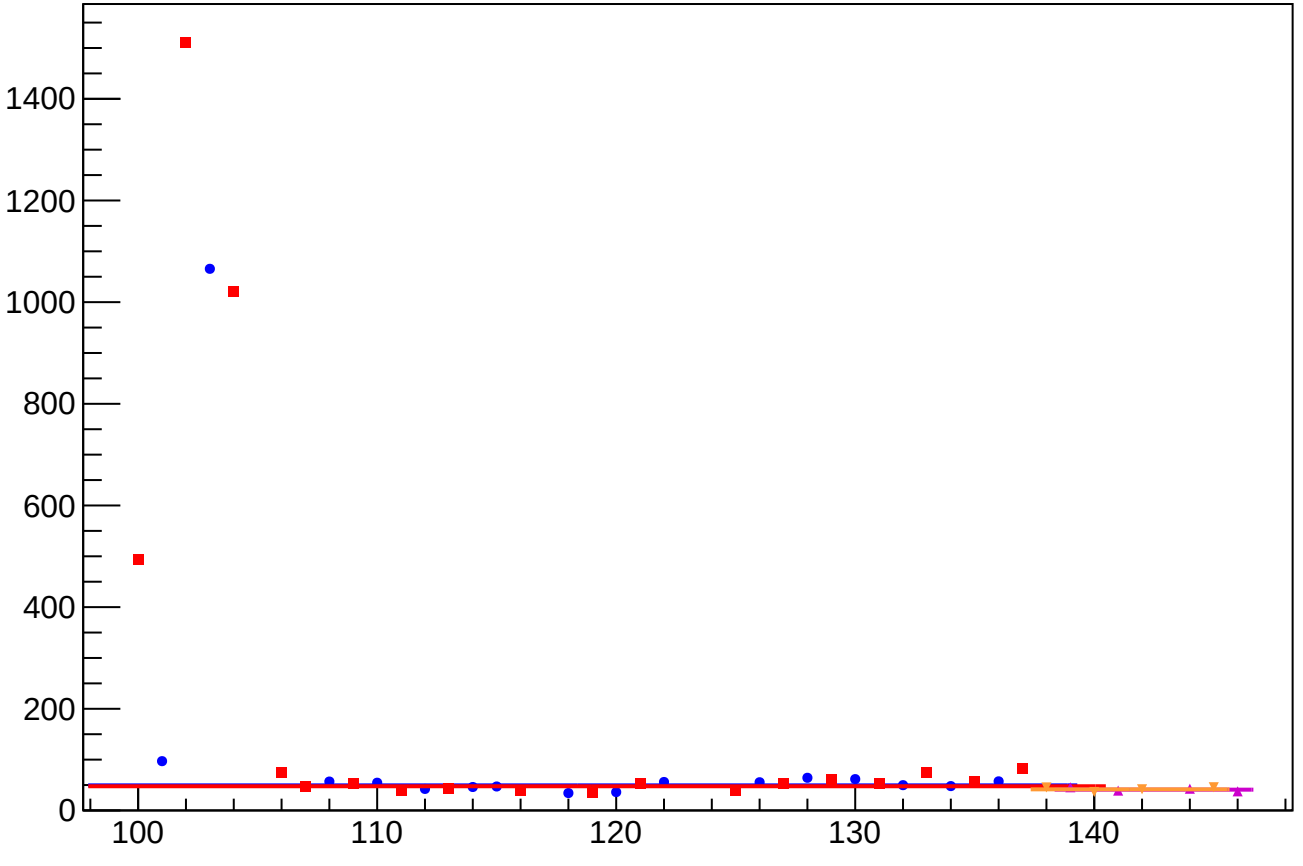
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.016 χ^2/NDF:23.0/19

Out: 0.026+/-0.017 χ^2/NDF:19.3/21

All: 0.013+/-0.011 χ^2/NDF: 43.4/41

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: 41.534+/-0.019 χ^2/NDF:47540.3/3

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 40.905+/-0.017 χ^2/NDF:32788.6/3

Left: 41.181+/-0.013 χ^2/NDF: 80948.3/7

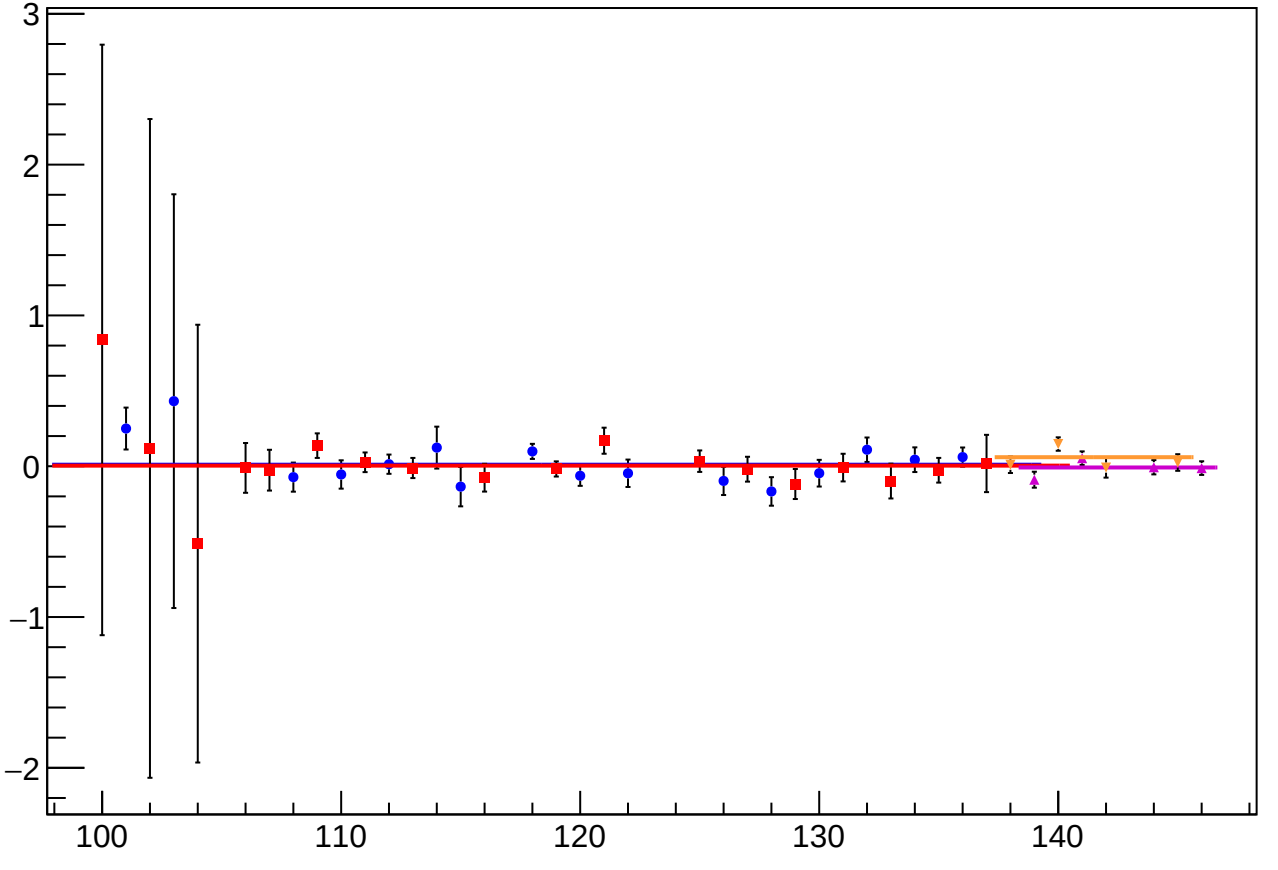
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.632+/-0.011 χ^2/NDF:1951854.6/19

Out: 45.225+/-0.012 χ^2/NDF:2528126.9/21

All: 45.442+/-0.008 χ^2/NDF: 4480608.8/41

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: 0.060+/-0.027 χ^2/NDF:6.2/3

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.008+/-0.024 χ^2/NDF:4.2/3

Left: 0.022+/-0.018 χ^2/NDF: 14.0/7

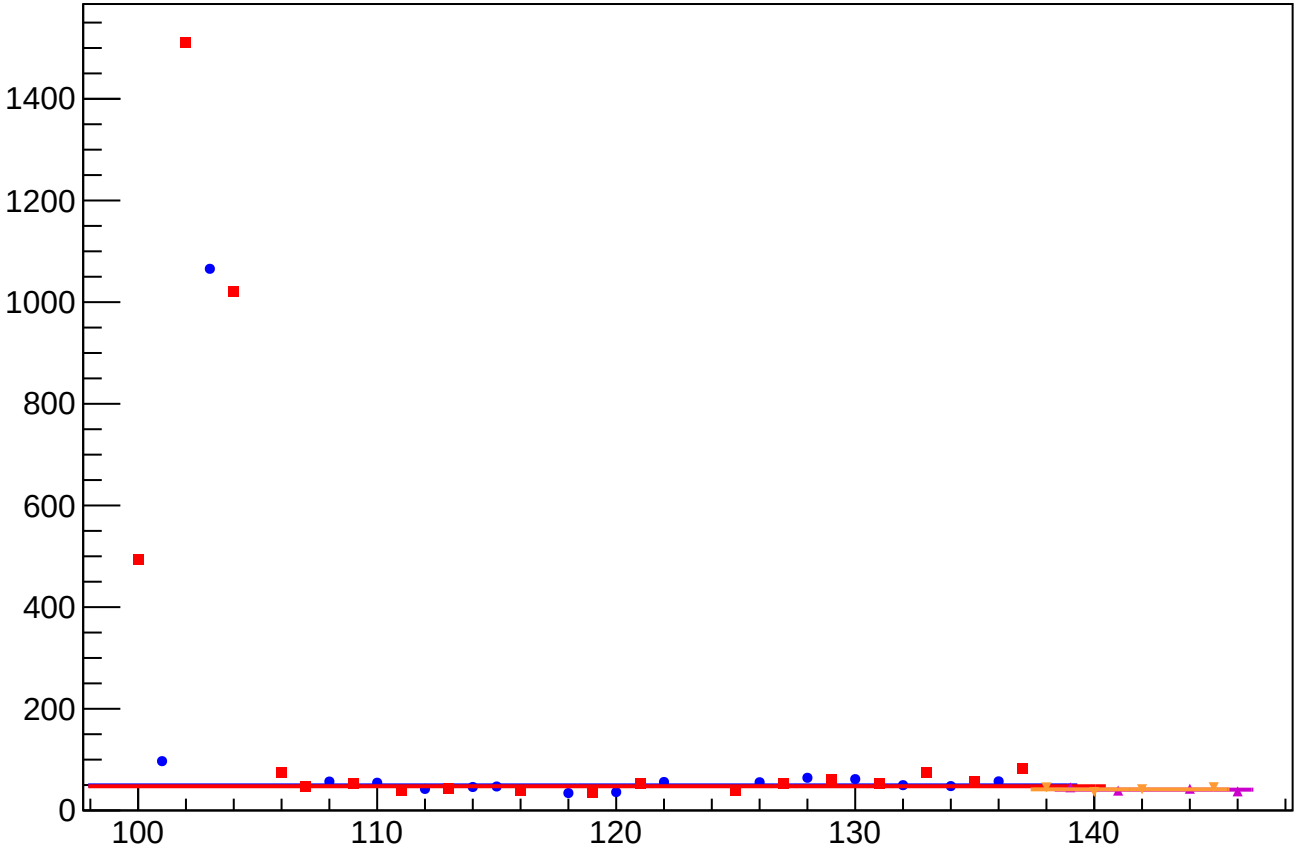
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.016 χ^2/NDF:23.0/19

Out: 0.026+/-0.017 χ^2/NDF:19.3/21

All: 0.013+/-0.011 χ^2/NDF: 43.4/41

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: 41.534+/-0.019 χ^2/NDF:47540.3/3

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 40.905+/-0.017 χ^2/NDF:32788.6/3

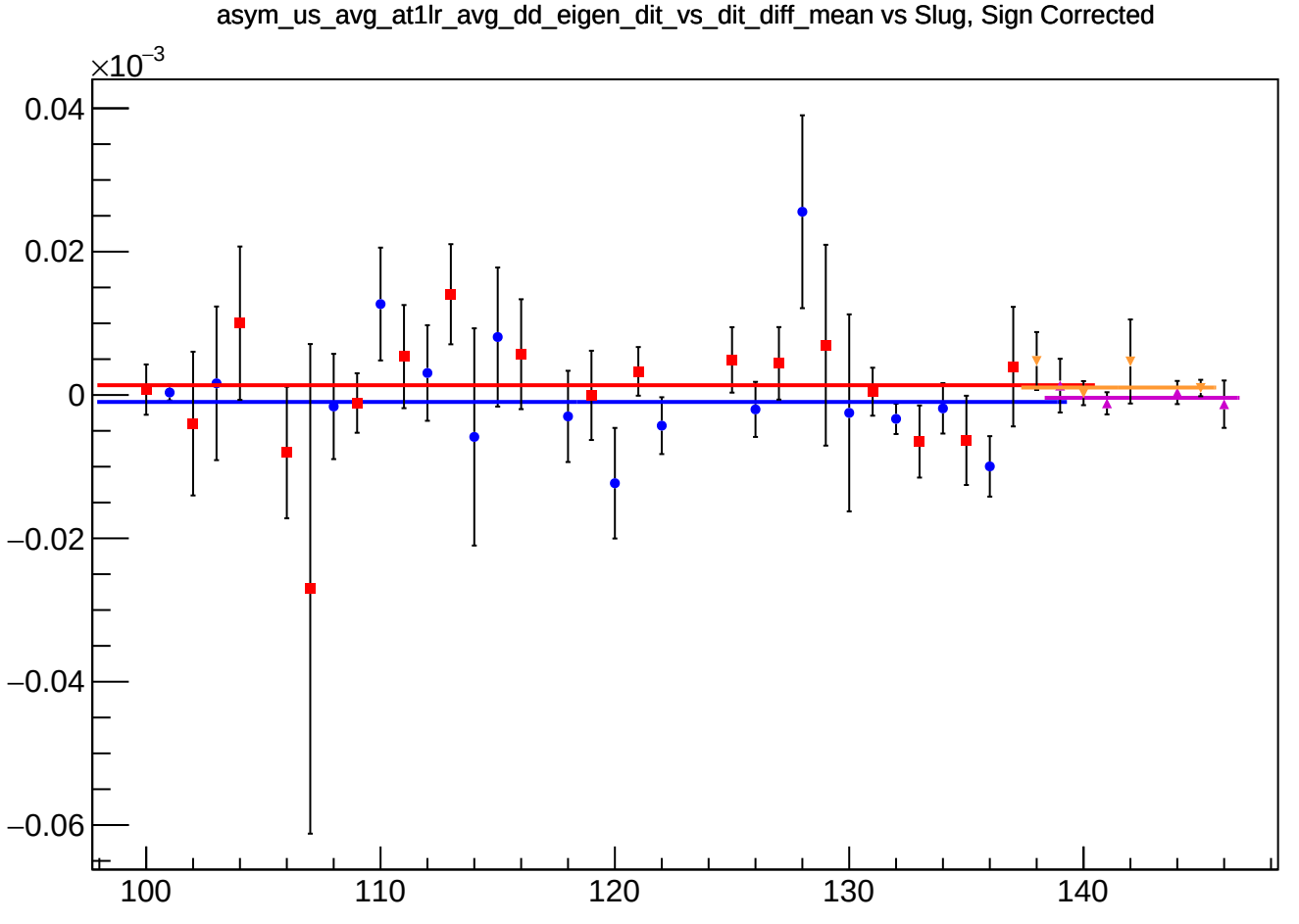
Left: 41.181+/-0.013 χ^2/NDF: 80948.3/7

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.632+/-0.011 χ^2/NDF:1951854.6/19

Out: 45.225+/-0.012 χ^2/NDF:2528126.9/21

All: 45.442+/-0.008 χ^2/NDF: 4480608.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

Left: 0.000+/-0.000 χ^2/NDF: 3.3/7

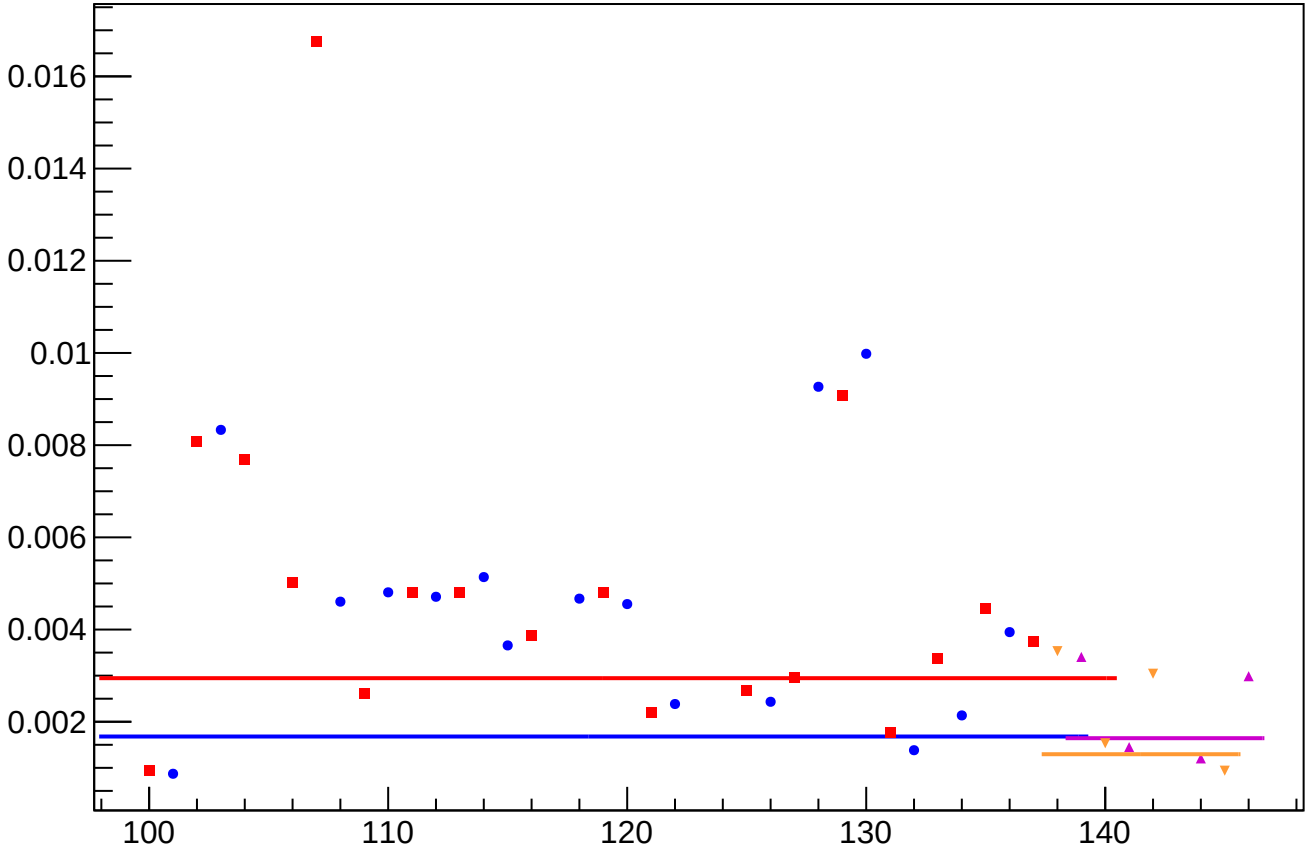
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:19.6/19

Out: 0.000+/-0.000 χ^2/NDF:14.1/21

All: 0.000+/-0.000 χ^2/NDF: 37.4/41

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:1023639.0/3

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:951641.8/3

Left: 0.001+/-0.000 χ^2/NDF: 2104845.8/7

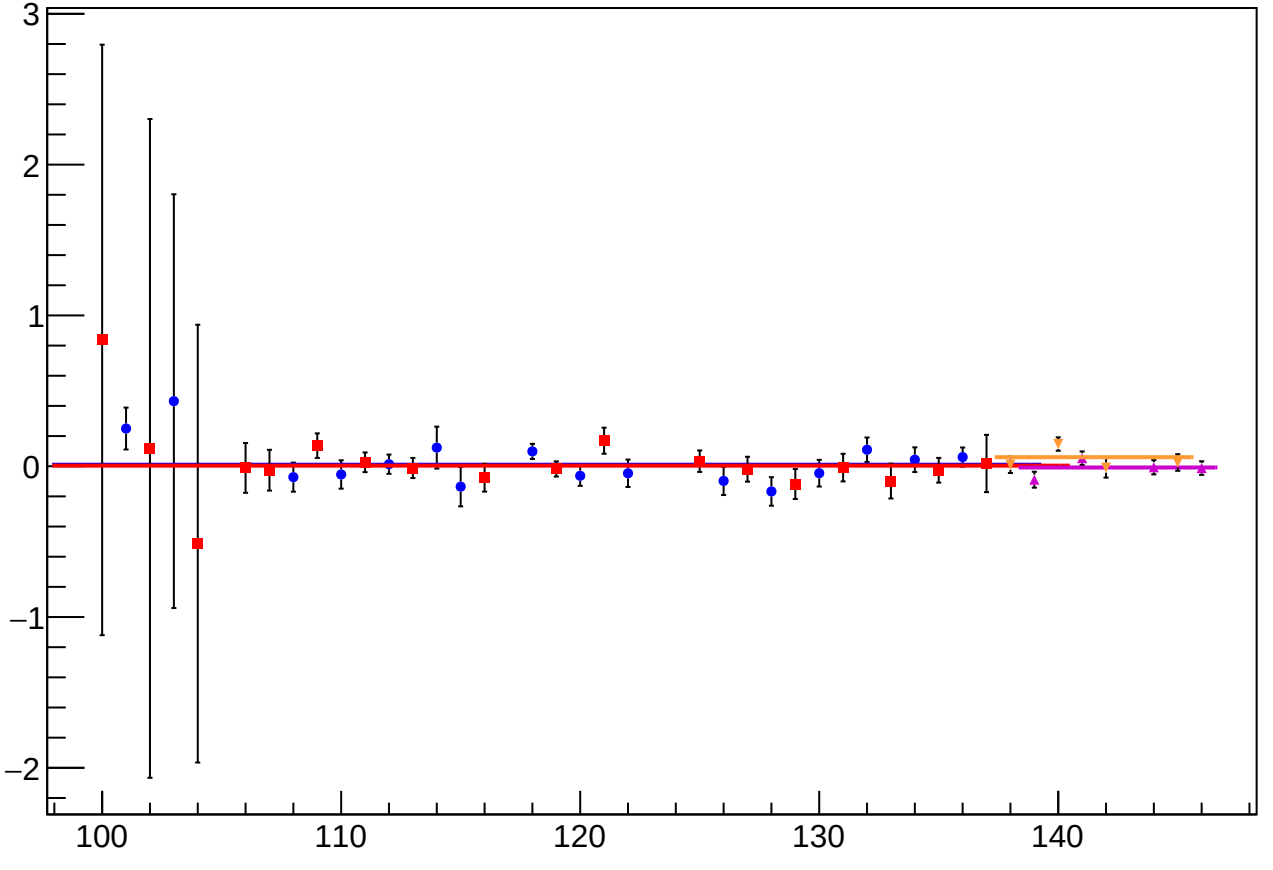
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:6913414.5/19

Out: 0.002+/-0.000 χ^2/NDF:6588220.0/21

All: 0.002+/-0.000 χ^2/NDF: 13567764.5/41

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: 0.060+/-0.027 χ^2/NDF:6.2/3

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.008+/-0.024 χ^2/NDF:4.2/3

Left: 0.022+/-0.018 χ^2/NDF: 14.0/7

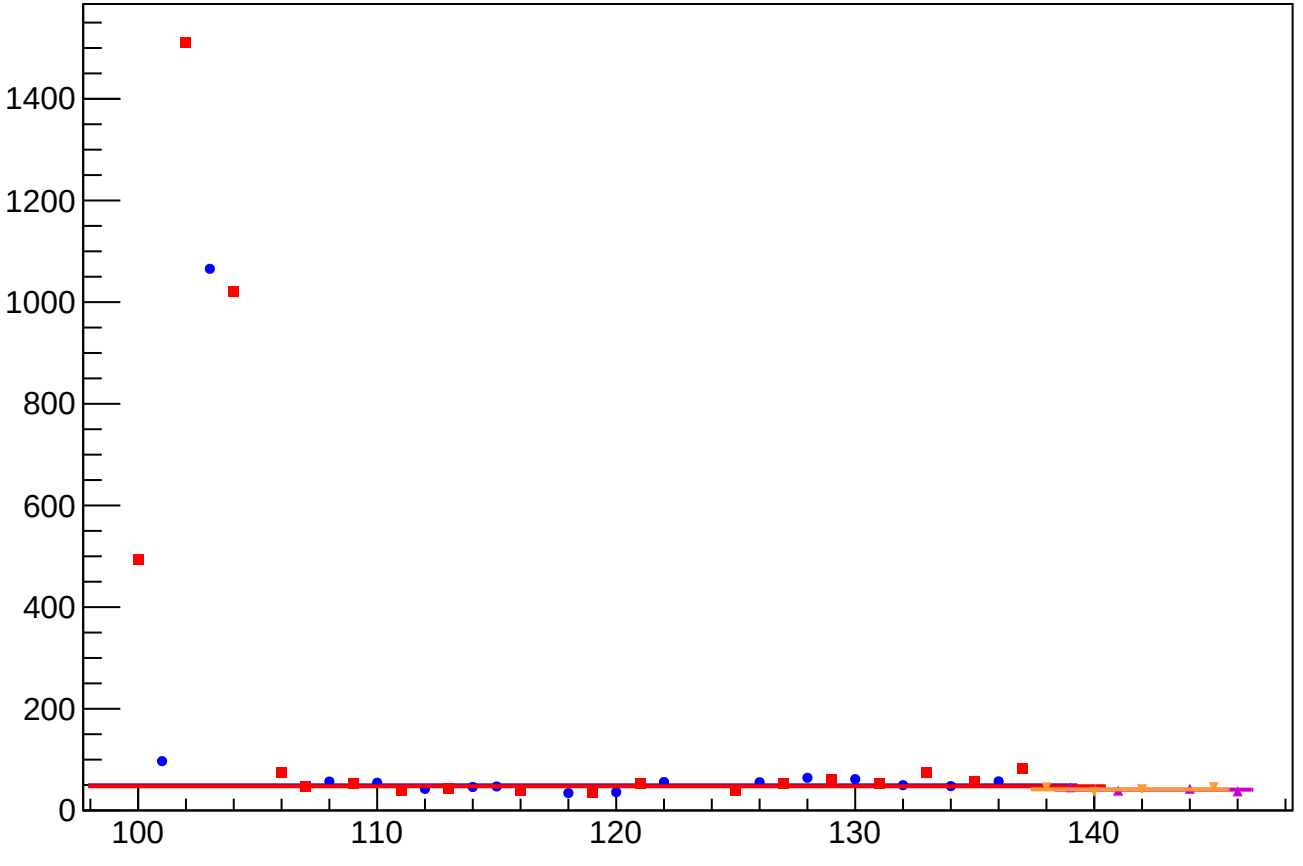
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.016 χ^2/NDF:23.0/19

Out: 0.026+/-0.017 χ^2/NDF:19.3/21

All: 0.013+/-0.011 χ^2/NDF: 43.4/41

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: 41.534+/-0.019 χ^2/NDF:47546.7/3

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 40.904+/-0.017 χ^2/NDF:32795.0/3

Left: 41.180+/-0.013 χ^2/NDF: 80963.1/7

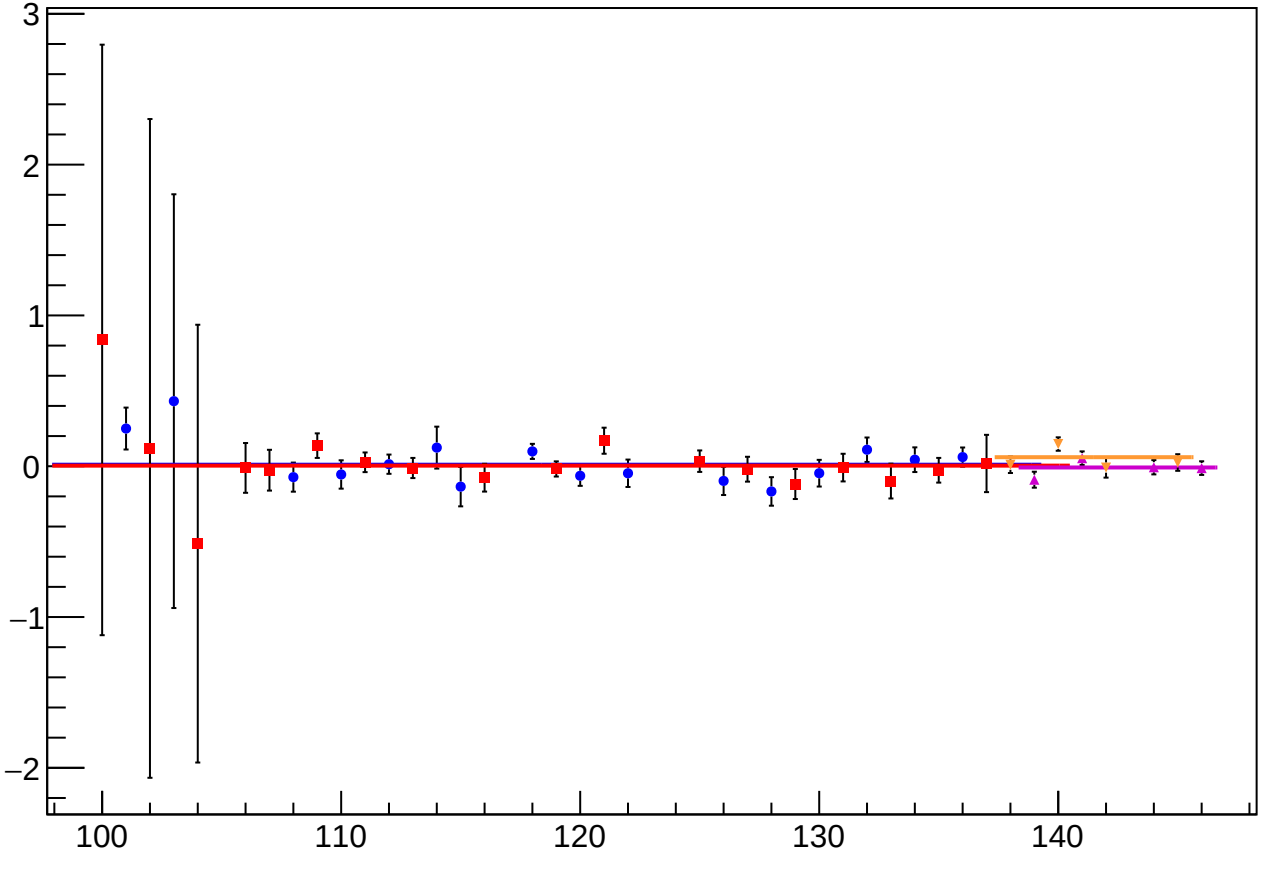
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.631+/-0.011 χ^2/NDF:1951833.0/19

Out: 45.224+/-0.012 χ^2/NDF:2528147.9/21

All: 45.441+/-0.008 χ^2/NDF: 4480608.7/41

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: 0.060+/-0.027 χ^2/NDF:6.2/3

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.008+/-0.024 χ^2/NDF:4.2/3

Left: 0.022+/-0.018 χ^2/NDF: 14.0/7

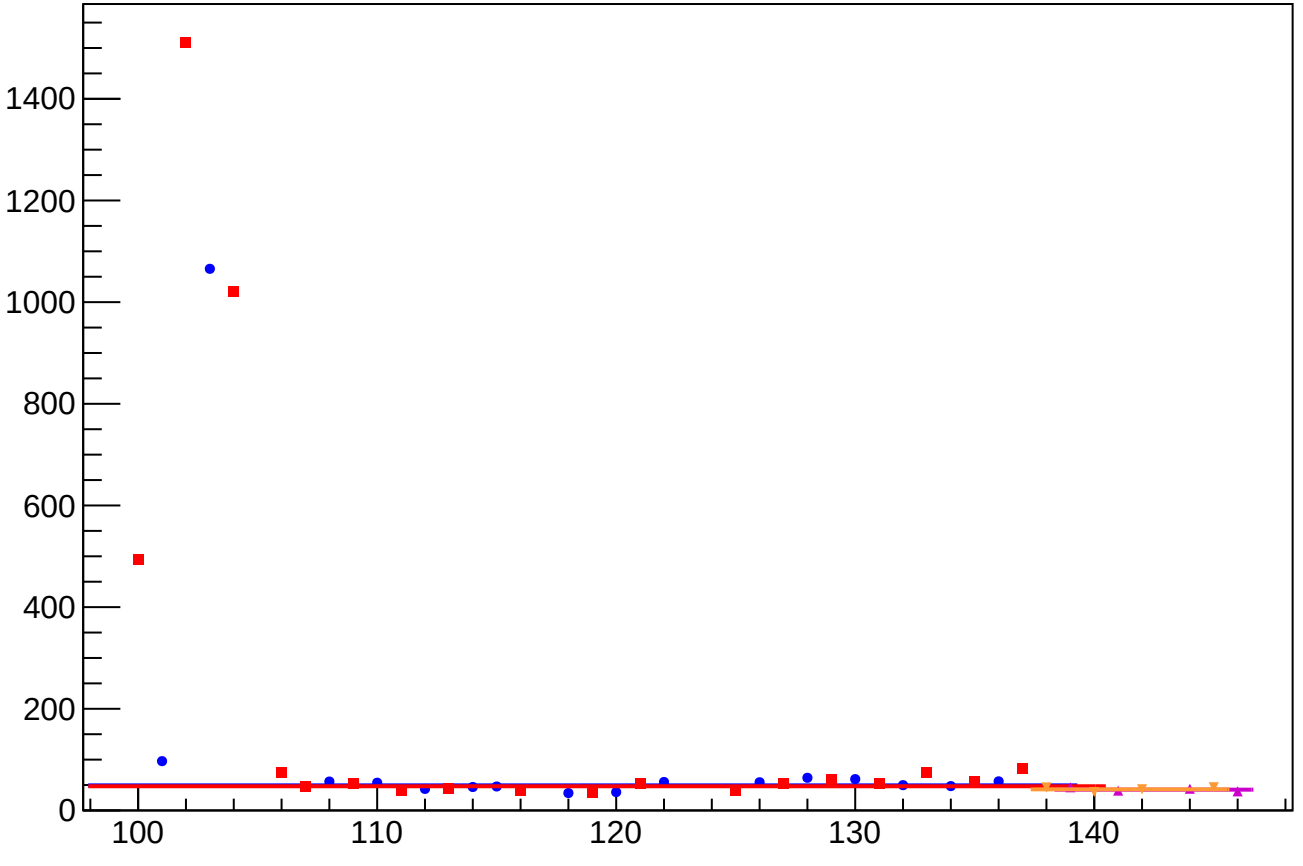
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.016 χ^2/NDF:23.0/19

Out: 0.026+/-0.017 χ^2/NDF:19.3/21

All: 0.013+/-0.011 χ^2/NDF: 43.4/41

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: 41.534+/-0.019 χ^2/NDF:47546.7/3

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 40.904+/-0.017 χ^2/NDF:32795.0/3

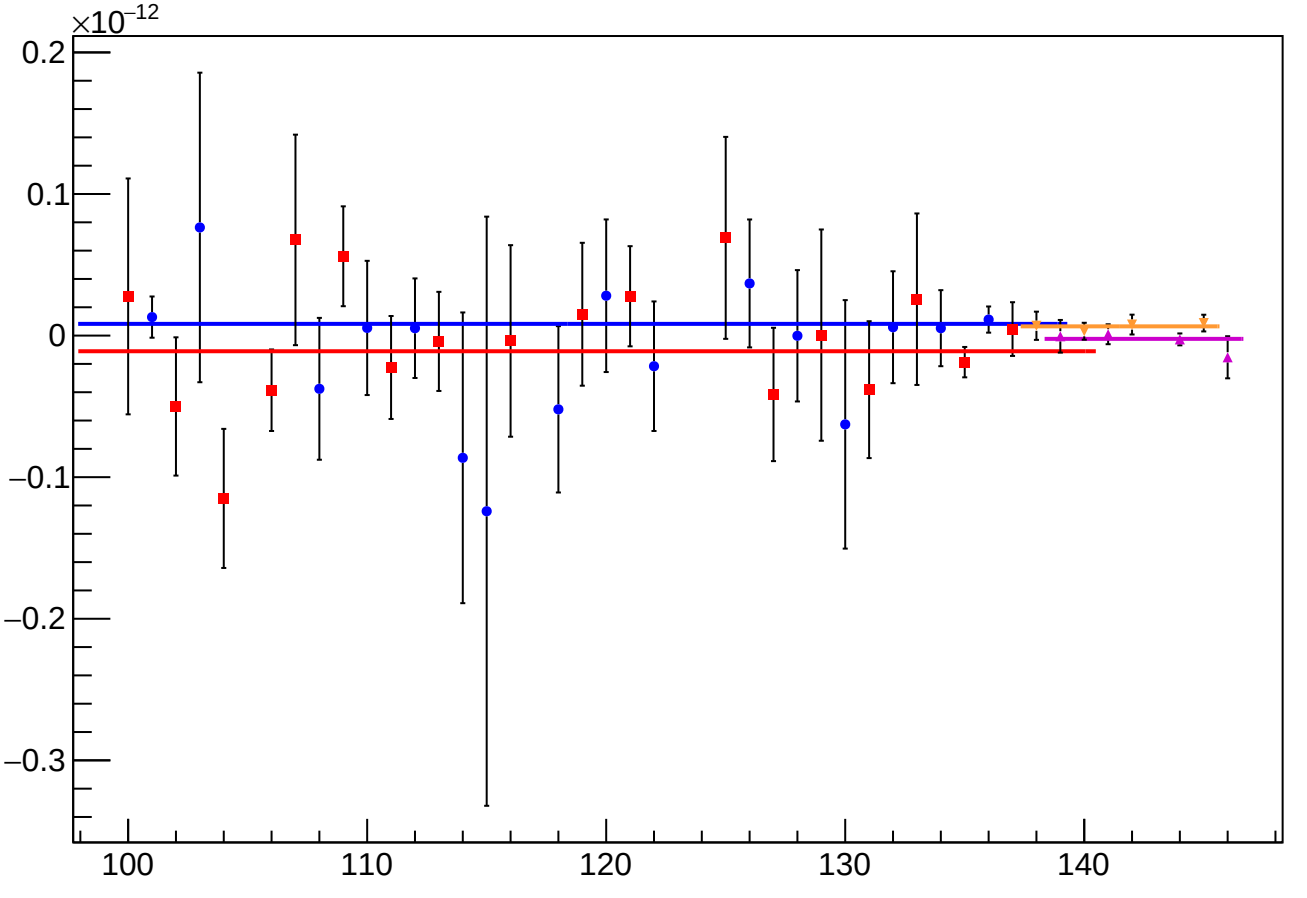
Left: 41.180+/-0.013 χ^2/NDF: 80963.1/7

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.631+/-0.011 χ^2/NDF:1951833.0/19

Out: 45.224+/-0.012 χ^2/NDF:2528147.9/21

All: 45.441+/-0.008 χ^2/NDF: 4480608.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.5/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

Left: 0.000+/-0.000 χ^2/NDF: 5.0/7

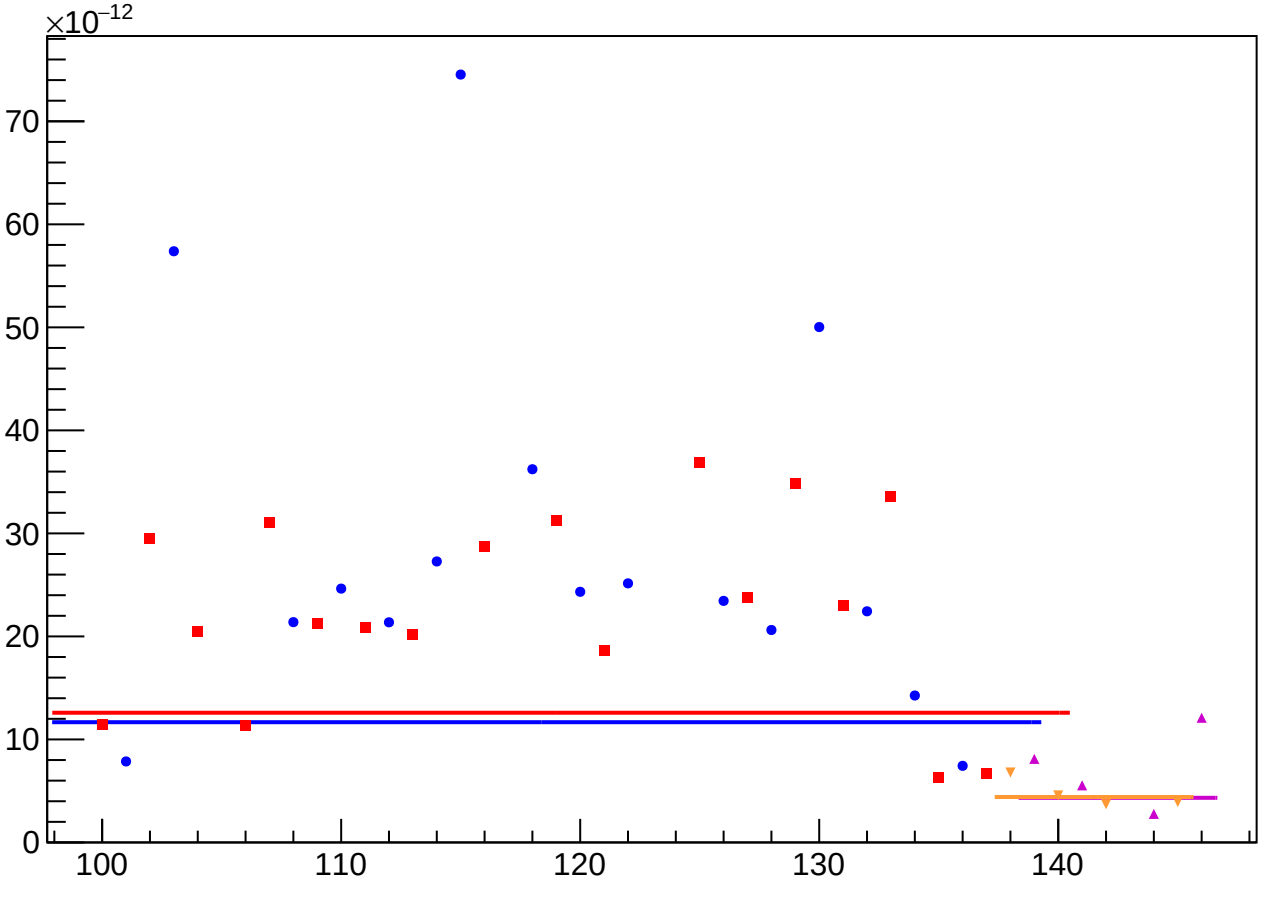
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:8.5/19

Out: 0.000+/-0.000 χ^2/NDF:21.6/21

All: 0.000+/-0.000 χ^2/NDF: 30.7/41

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:149005.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1095863.0/3

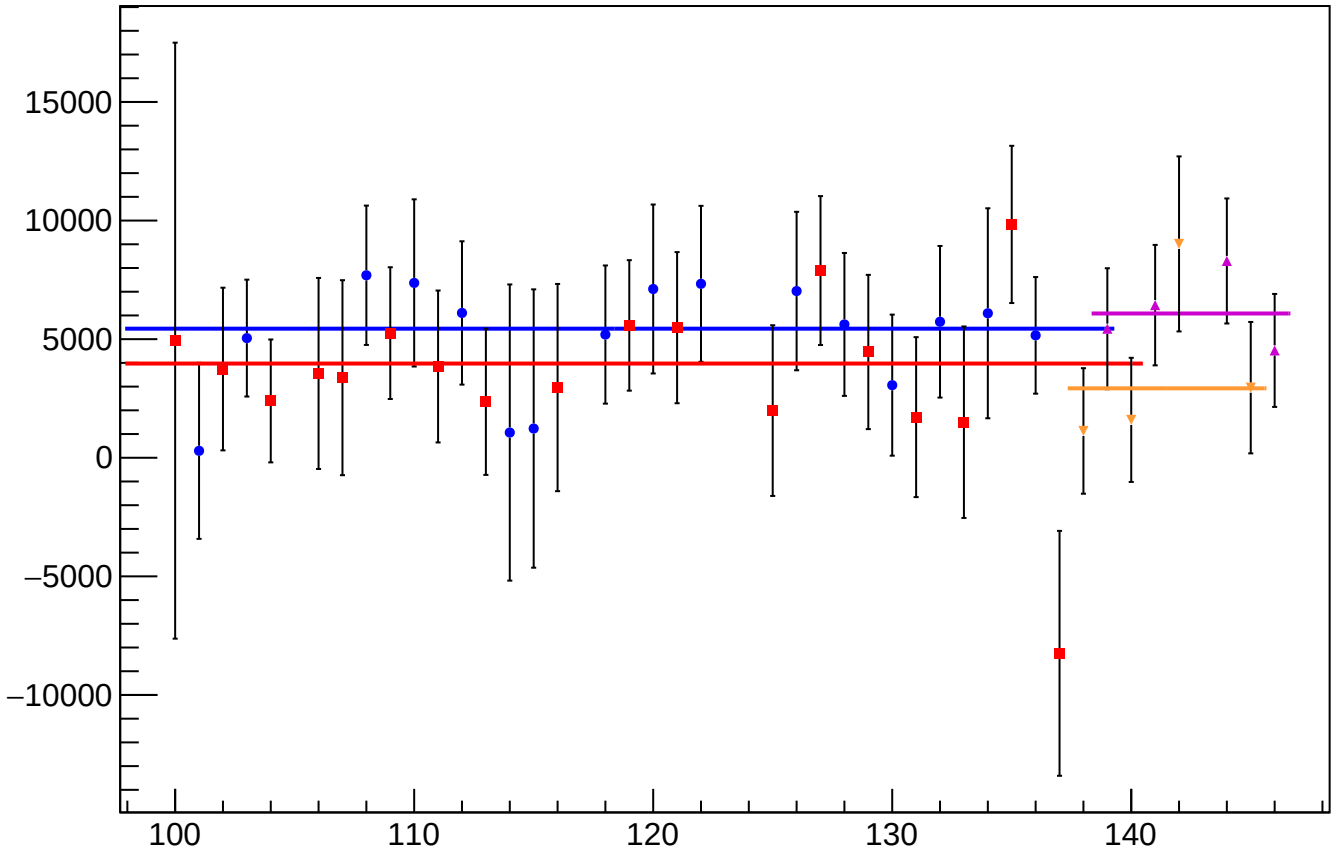
Left: 0.000+/-0.000 χ^2/NDF: 1245392.3/7

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:5935018.9/19

Out: 0.000+/-0.000 χ^2/NDF:5174593.8/21

All: 0.000+/-0.000 χ^2/NDF: 11110063.1/41



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2927.242+/-1424.735 χ^2/NDF:3.4/3

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 6082.588+/-1260.601 χ^2/NDF:1.2/3

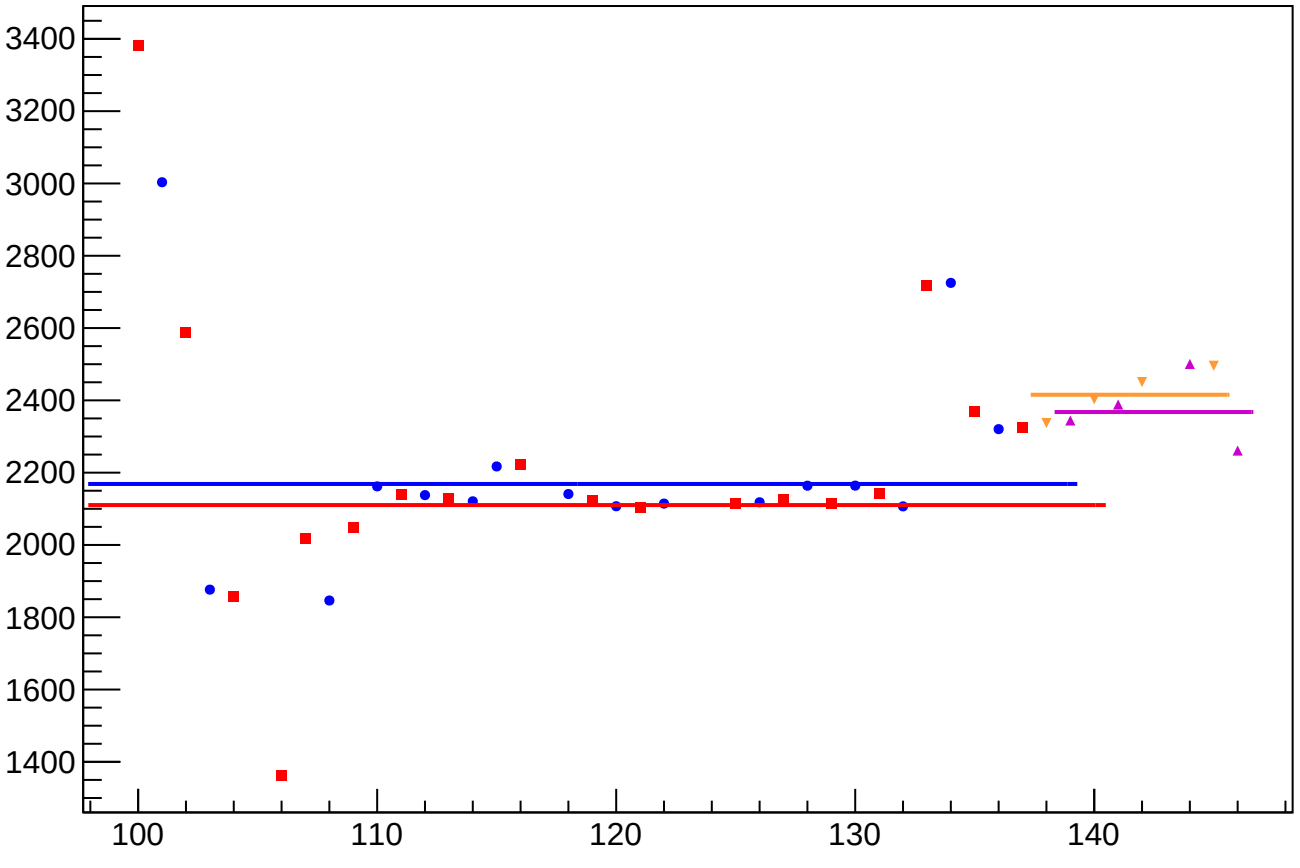
Left: 4697.059+/-944.101 χ^2/NDF: 7.4/7

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5630.260+/-682.956 χ^2/NDF:6.8/19

Out: 3717.058+/-703.514 χ^2/NDF:16.8/21

All: 4702.020+/-490.029 χ^2/NDF: 27.4/41



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2415.567+/-1.007 χ^2/NDF:3650.2/3

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2367.704+/-0.891 χ^2/NDF:9406.9/3

Left: 2388.721+/-0.668 χ^2/NDF: 14323.2/7

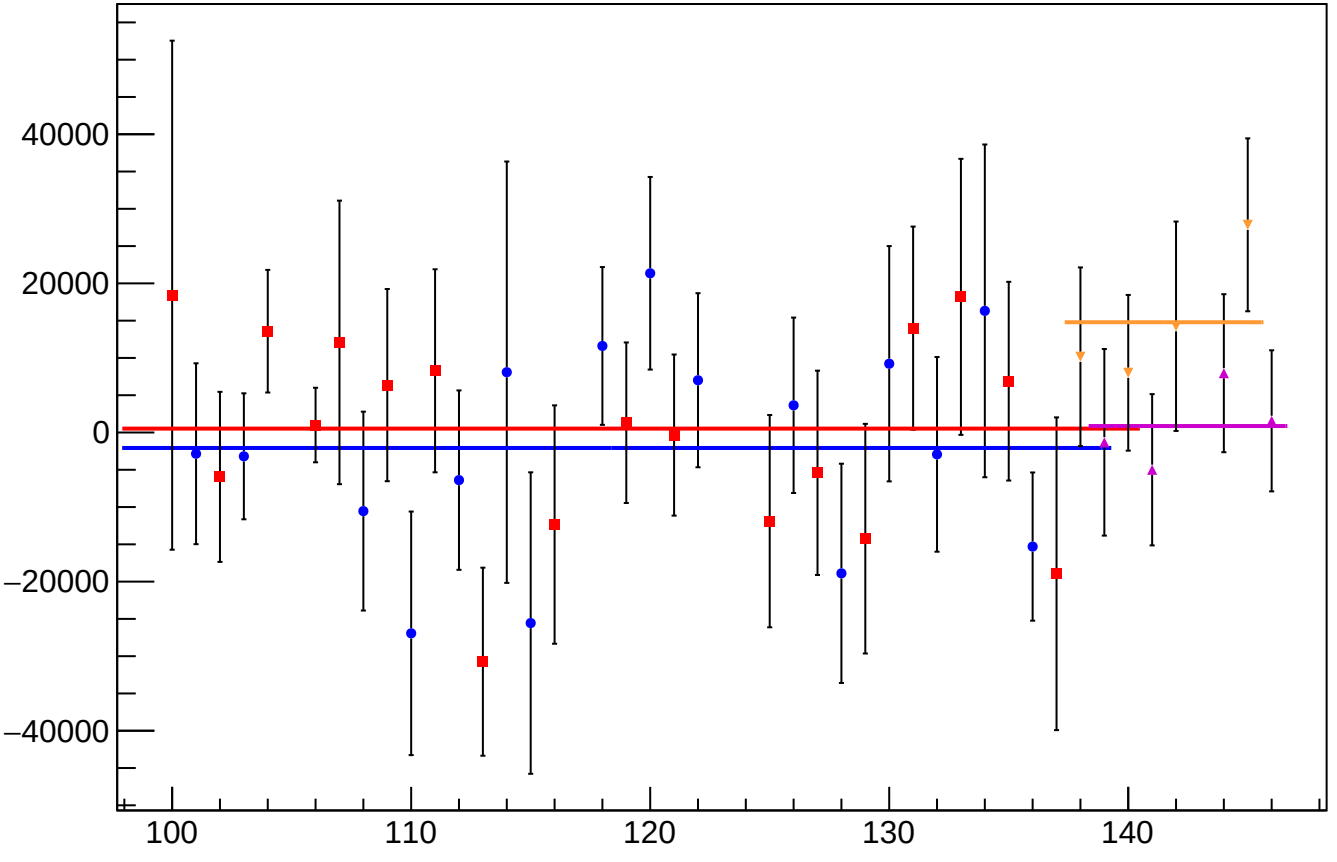
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2227.121+/-0.483 χ^2/NDF:240273.7/19

Out: 2182.993+/-0.491 χ^2/NDF:341001.0/21

All: 2205.443+/-0.344 χ^2/NDF: 585376.5/41

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: 14787.711+/-5908.892 χ^2/NDF:1.8/3

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 866.082+/-5256.886 χ^2/NDF:0.8/3

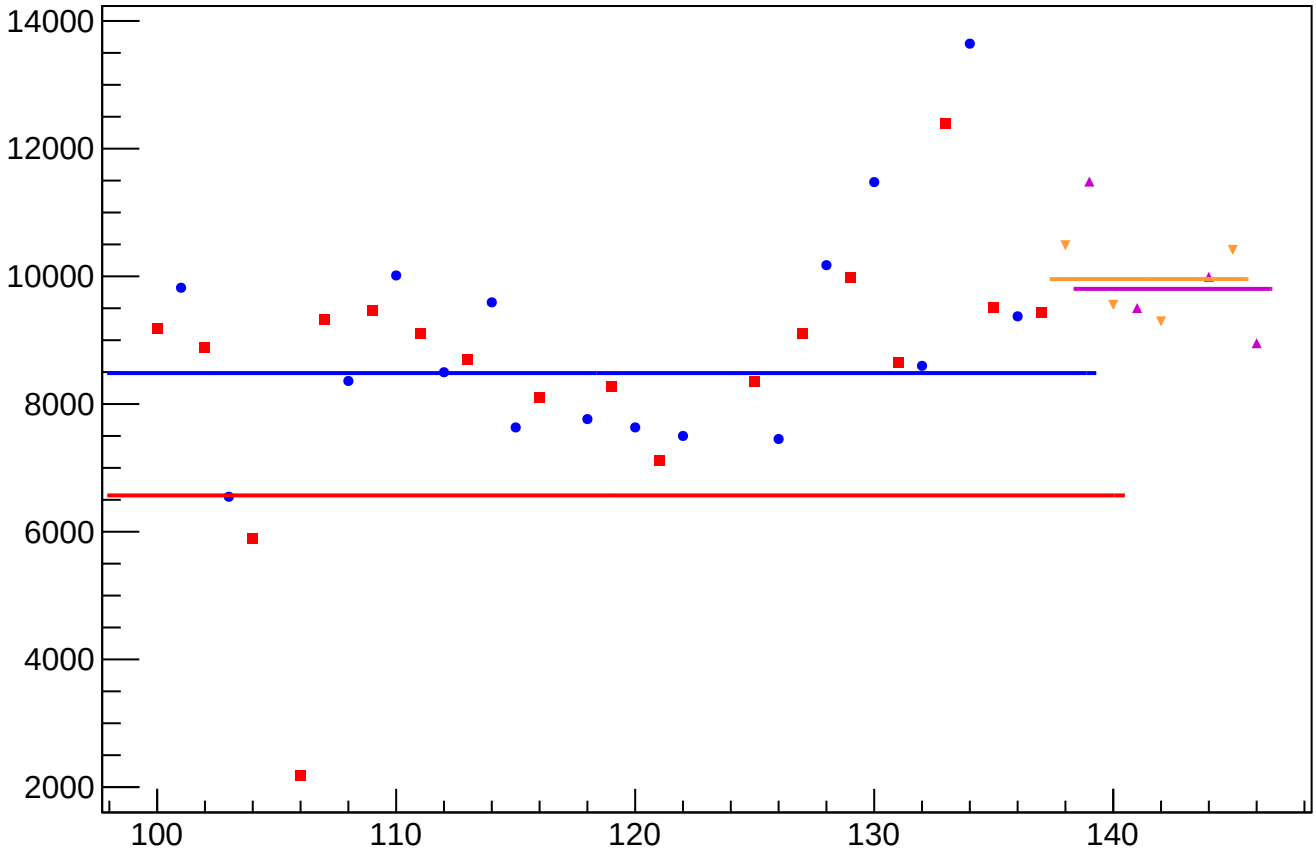
Left: 7016.729+/-3927.548 χ^2/NDF: 5.8/7

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -1275.338+/-2740.924 χ^2/NDF:15.5/19

Out: 3009.198+/-2467.482 χ^2/NDF:22.3/21

All: 1091.251+/-1833.848 χ^2/NDF: 39.2/41



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 9957.164+/-4.178 χ^2/NDF:14415.7/3

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9804.026+/-3.717 χ^2/NDF:54648.6/3

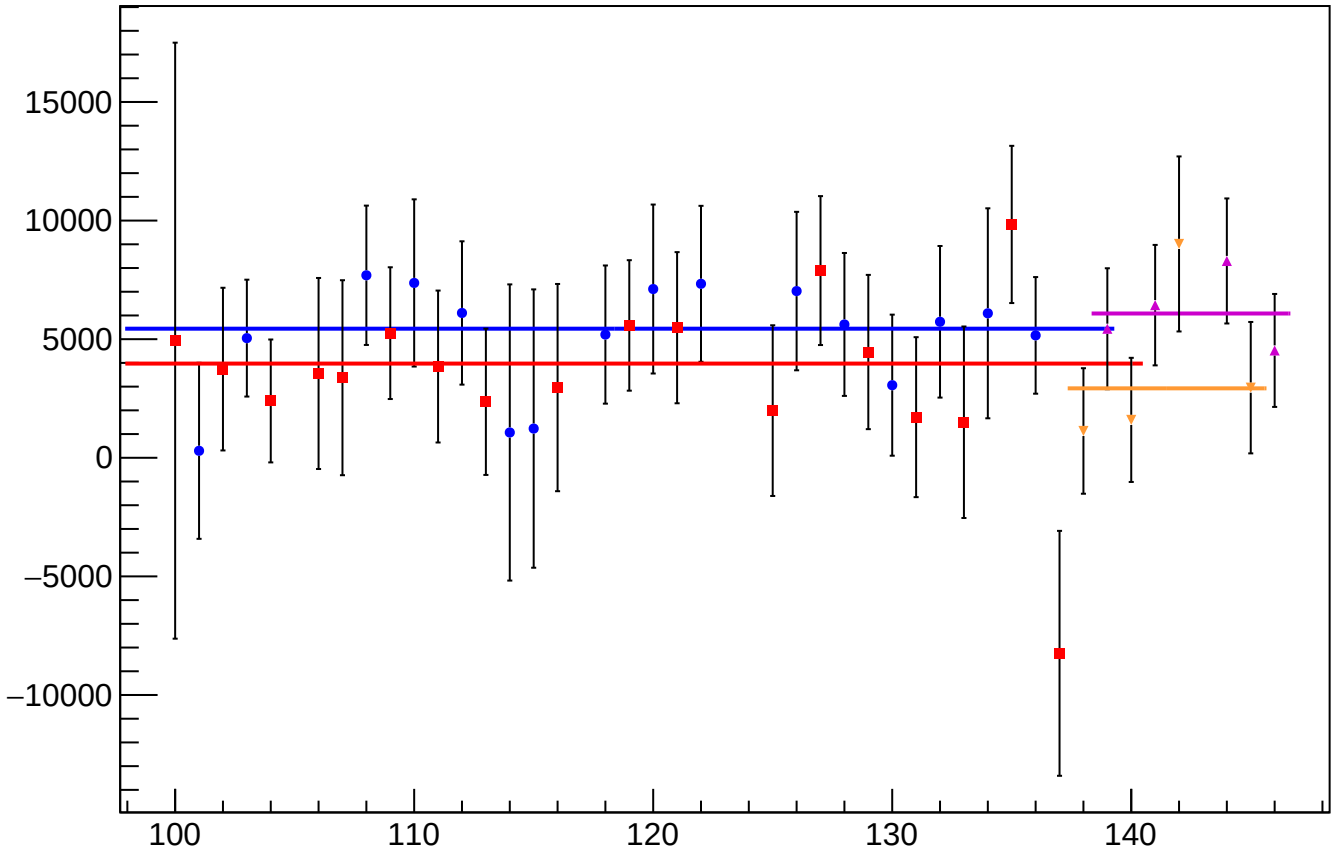
Left: 9871.683+/-2.777 χ^2/NDF: 69814.2/7

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8843.583+/-1.938 χ^2/NDF:569039.6/19

Out: 7159.588+/-1.745 χ^2/NDF:3126304.6/21

All: 7913.418+/-1.297 χ^2/NDF: 4112345.0/41



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2927.400+/-1424.735 χ^2/NDF:3.4/3

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 6082.898+/-1260.601 χ^2/NDF:1.2/3

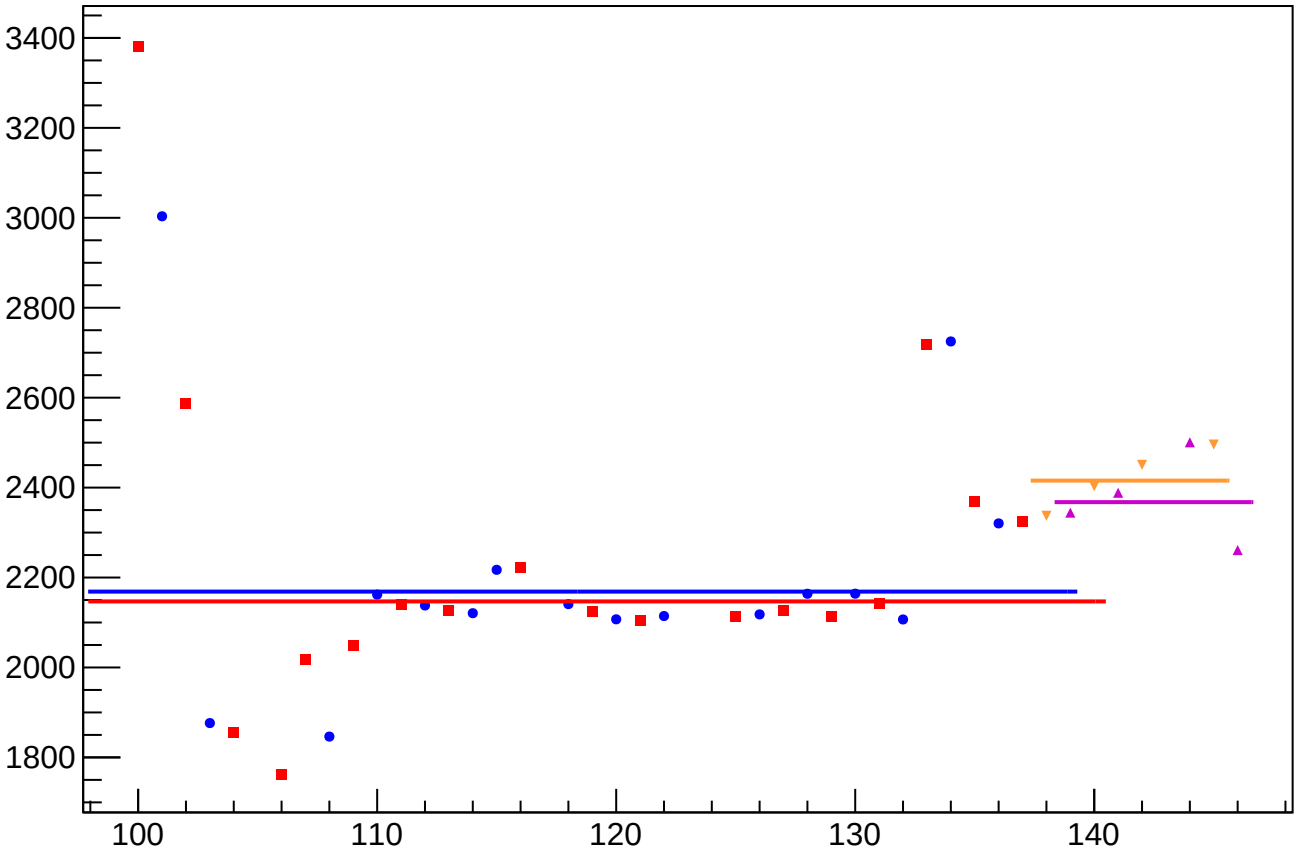
Left: 4697.302+/-944.101 χ^2/NDF: 7.4/7

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5630.451+/-682.956 χ^2/NDF:6.8/19

Out: 3716.901+/-703.514 χ^2/NDF:16.8/21

All: 4702.042+/-490.029 χ^2/NDF: 27.4/41



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2415.567+/-1.007 χ^2/NDF:3650.2/3

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2367.704+/-0.891 χ^2/NDF:9406.9/3

Left: 2388.721+/-0.668 χ^2/NDF: 14323.2/7

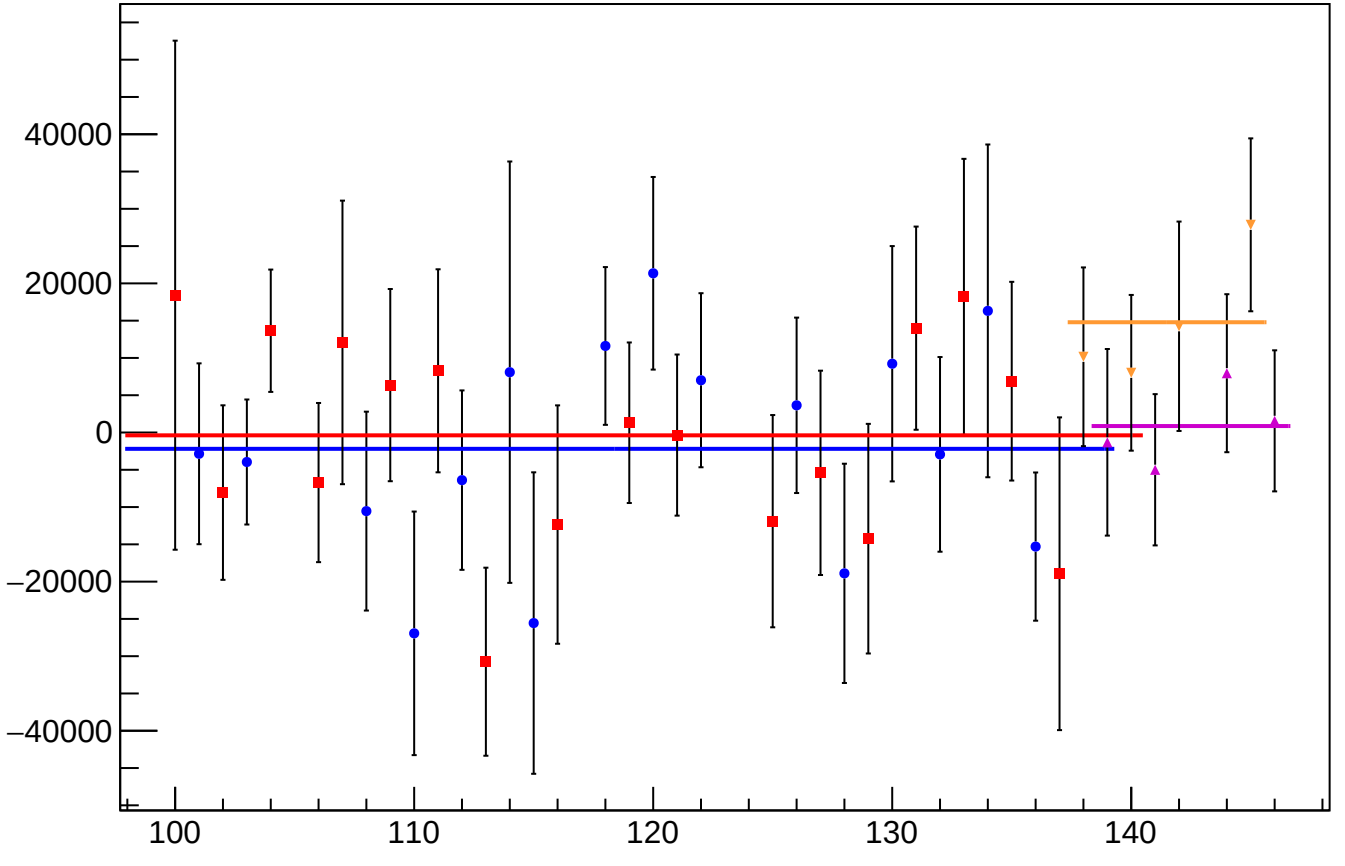
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2227.121+/-0.483 χ^2/NDF:240274.1/19

Out: 2211.906+/-0.496 χ^2/NDF:215315.0/21

All: 2219.711+/-0.346 χ^2/NDF: 456072.6/41

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: 14787.806+/-5908.882 χ^2/NDF:1.8/3

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 866.165+/-5256.883 χ^2/NDF:0.8/3

Left: 7016.825+/-3927.543 χ^2/NDF: 5.8/7

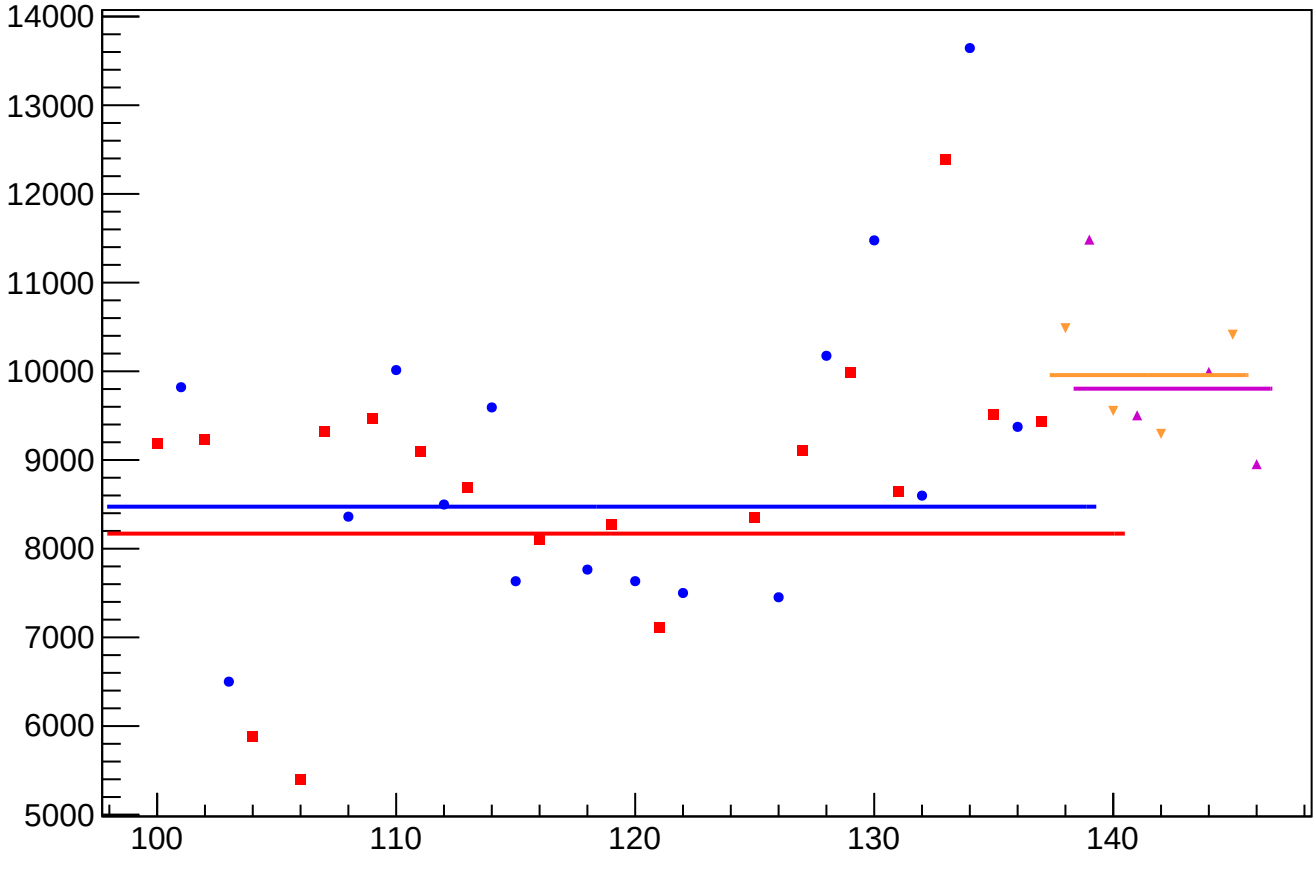
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -1359.969+/-2738.705 χ^2/NDF:15.5/19

Out: 2894.254+/-2745.115 χ^2/NDF:23.3/21

All: 762.171+/-1938.819 χ^2/NDF: 40.0/41

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9957.147+/-4.178 χ^2/NDF:14416.0/3

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9804.020+/-3.717 χ^2/NDF:54648.5/3

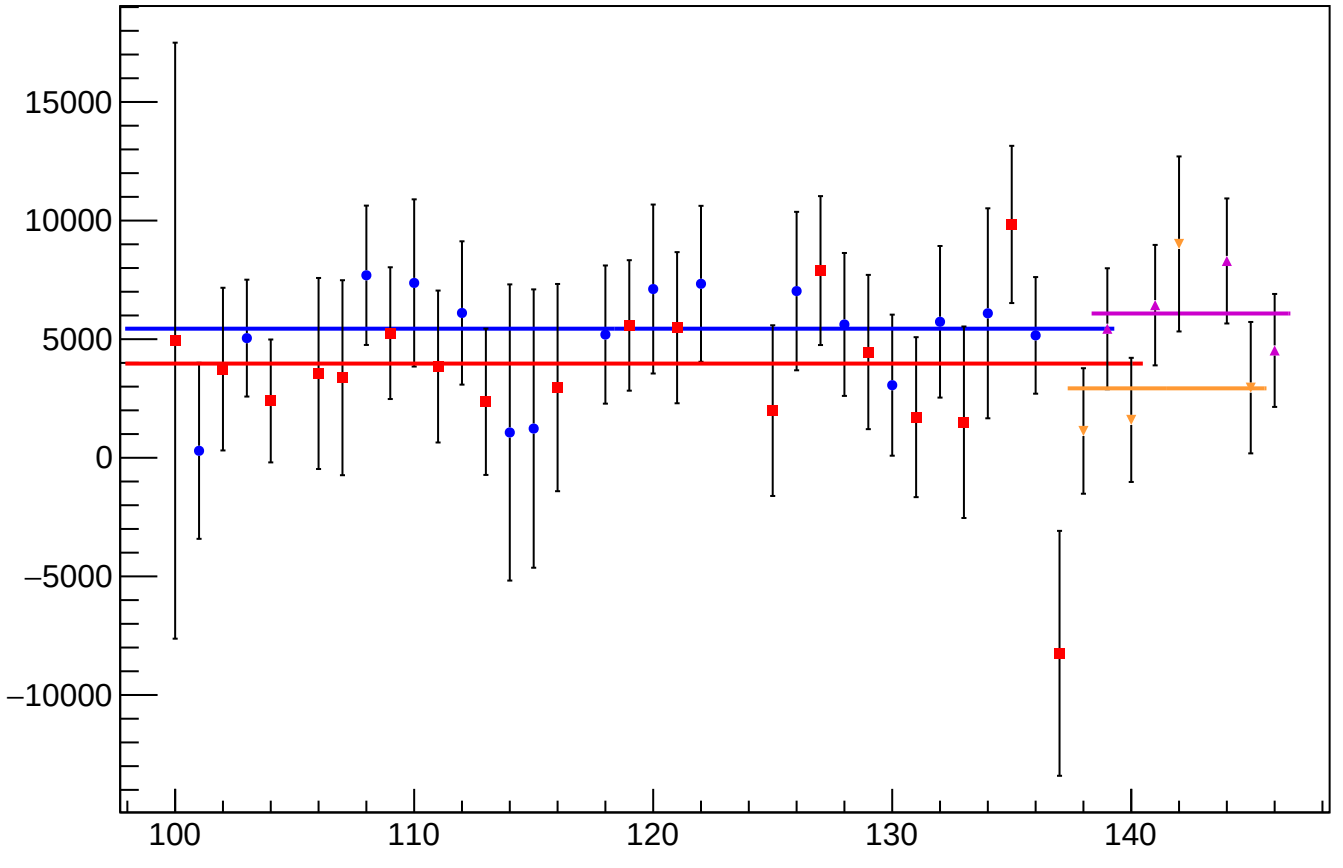
Left: 9871.672+/-2.777 χ^2/NDF: 69814.2/7

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8834.800+/-1.937 χ^2/NDF:577507.8/19

Out: 8555.740+/-1.941 χ^2/NDF:697803.9/21

All: 8695.596+/-1.371 χ^2/NDF: 1285670.0/41



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2927.400+/-1424.735 χ^2/NDF:3.4/3

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 6082.898+/-1260.601 χ^2/NDF:1.2/3

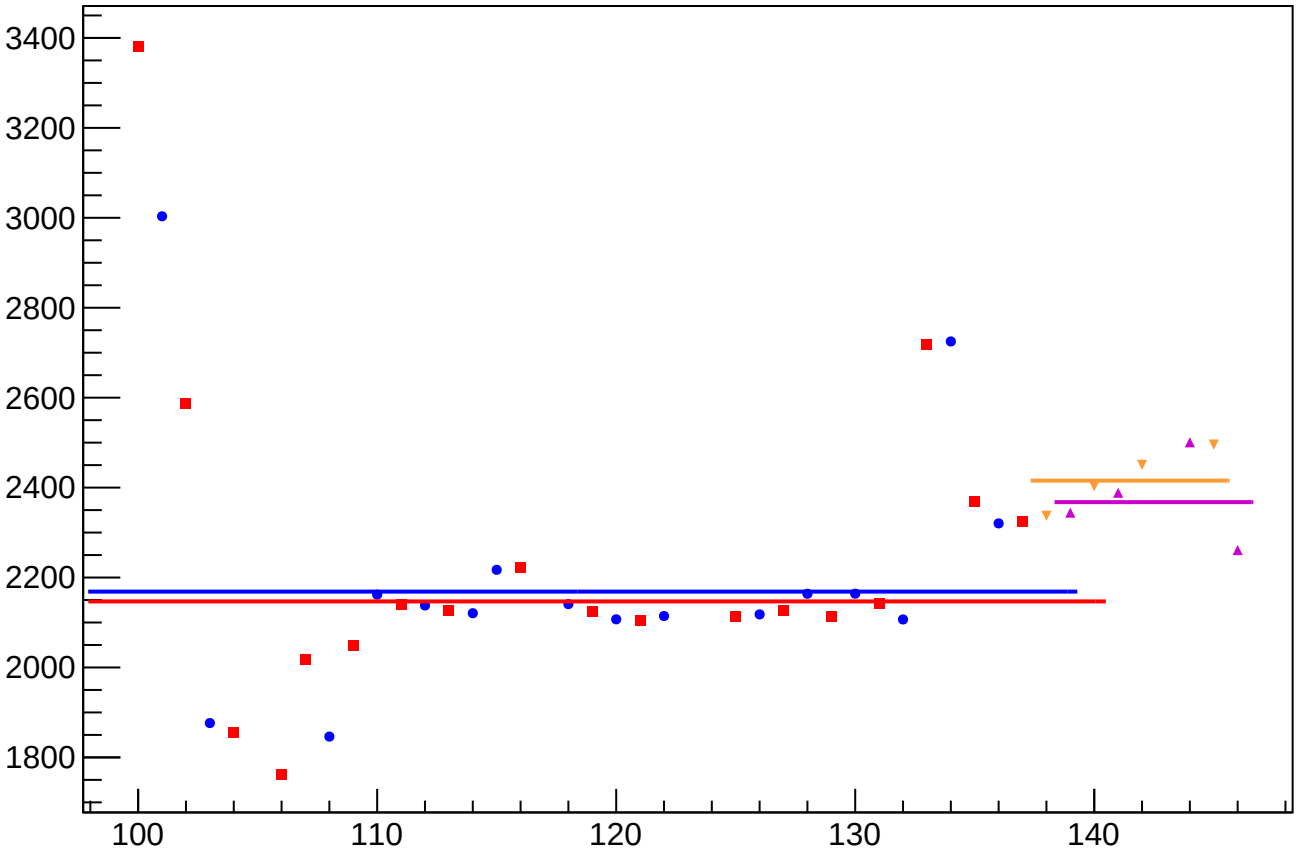
Left: 4697.302+/-944.101 χ^2/NDF: 7.4/7

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5630.451+/-682.956 χ^2/NDF:6.8/19

Out: 3716.901+/-703.514 χ^2/NDF:16.8/21

All: 4702.042+/-490.029 χ^2/NDF: 27.4/41



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2415.567+/-1.007 χ^2/NDF:3650.2/3

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2367.704+/-0.891 χ^2/NDF:9406.9/3

Left: 2388.721+/-0.668 χ^2/NDF: 14323.2/7

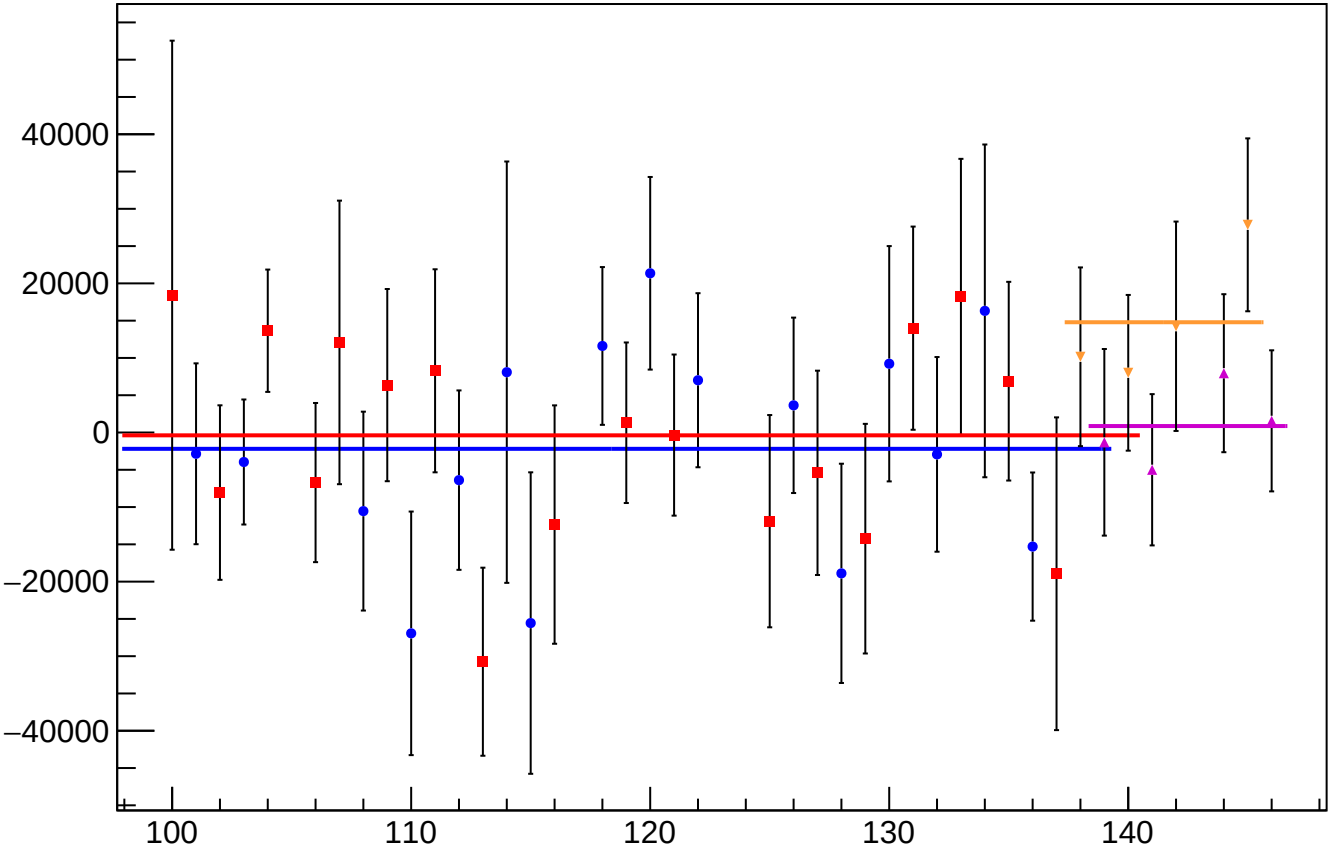
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2227.121+/-0.483 χ^2/NDF:240274.1/19

Out: 2211.906+/-0.496 χ^2/NDF:215315.0/21

All: 2219.711+/-0.346 χ^2/NDF: 456072.6/41

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: 14787.806+/-5908.882 χ^2/NDF:1.8/3

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 866.165+/-5256.883 χ^2/NDF:0.8/3

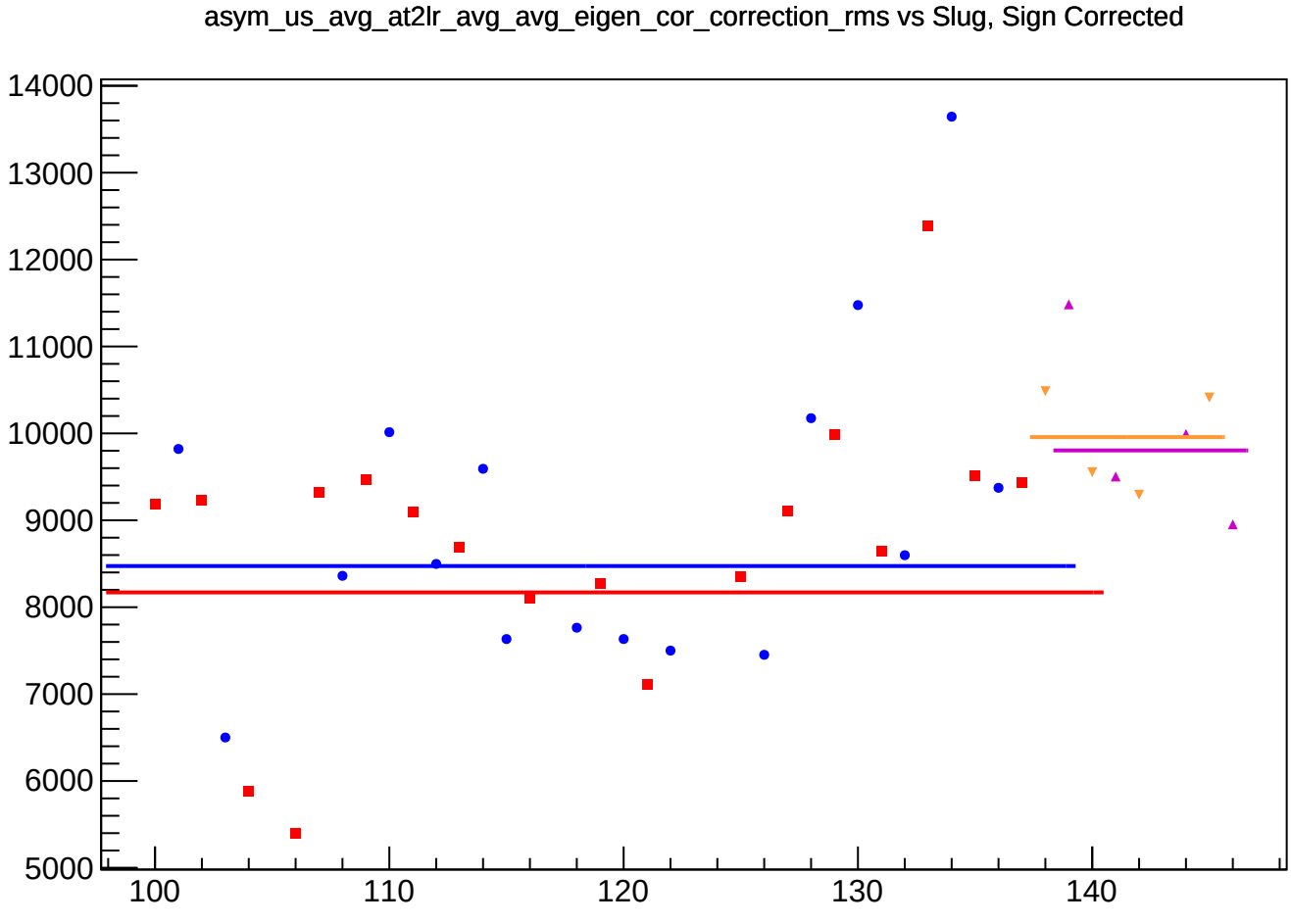
Left: 7016.825+/-3927.543 χ^2/NDF: 5.8/7

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -1359.969+/-2738.705 χ^2/NDF:15.5/19

Out: 2894.254+/-2745.115 χ^2/NDF:23.3/21

All: 762.171+/-1938.819 χ^2/NDF: 40.0/41



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9957.147+/-4.178 χ^2/NDF:14416.0/3

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9804.020+/-3.717 χ^2/NDF:54648.5/3

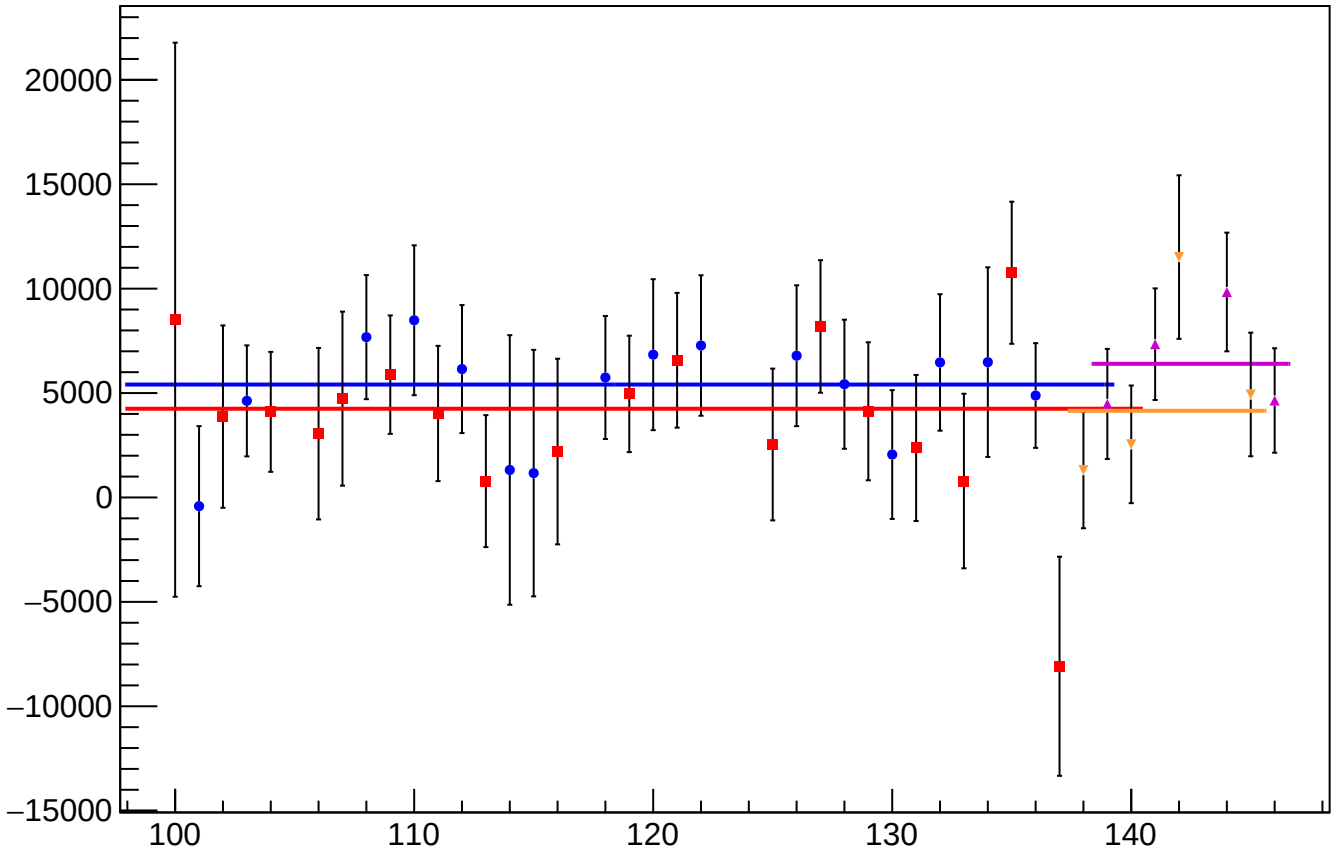
Left: 9871.672+/-2.777 χ^2/NDF: 69814.2/7

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8834.800+/-1.937 χ^2/NDF:577507.8/19

Out: 8555.740+/-1.941 χ^2/NDF:697803.9/21

All: 8695.596+/-1.371 χ^2/NDF: 1285670.0/41



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 4151.187+/-1517.285 χ^2/NDF:5.0/3

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 6401.140+/-1327.533 χ^2/NDF:2.6/3

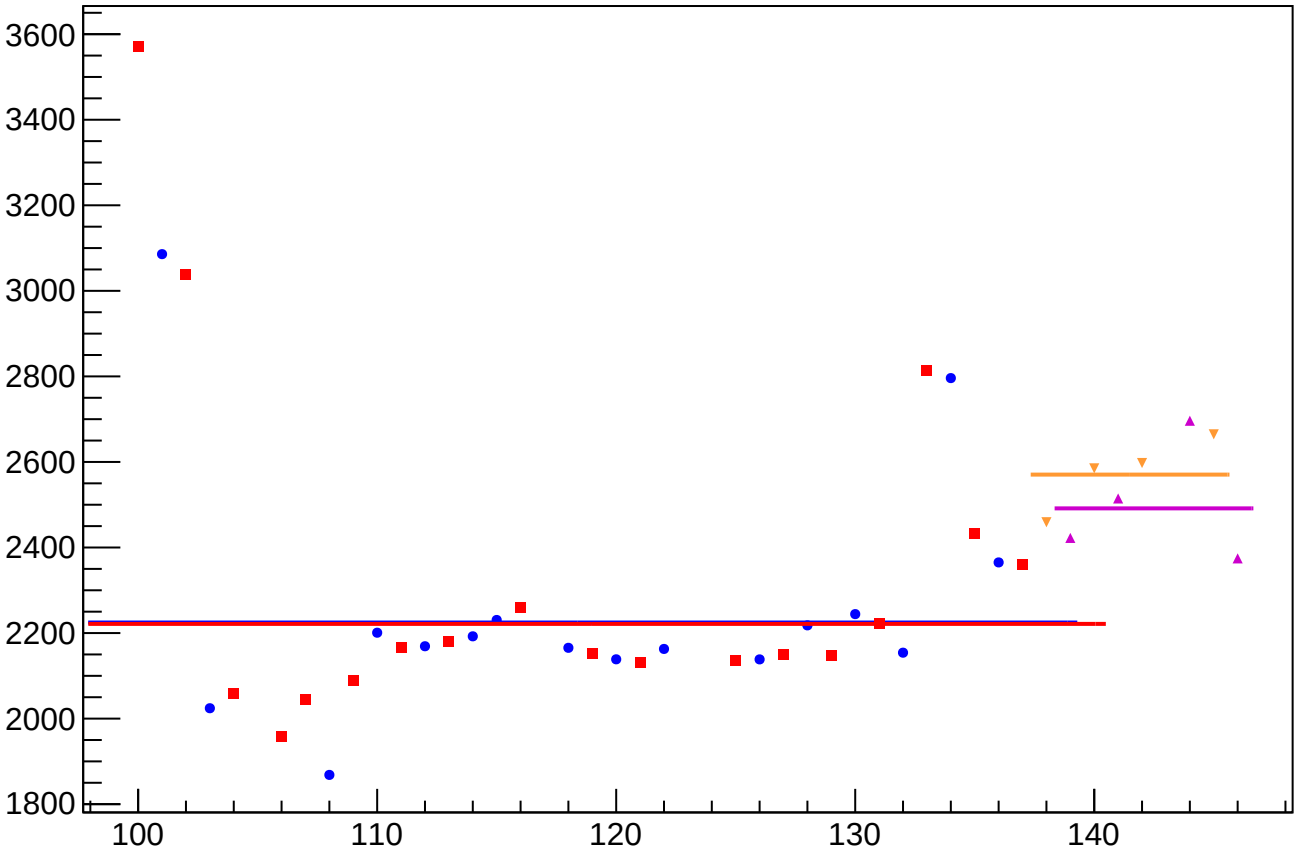
Left: 5425.573+/-999.100 χ^2/NDF: 8.8/7

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5688.801+/-706.014 χ^2/NDF:9.7/19

Out: 4226.770+/-734.450 χ^2/NDF:19.4/21

All: 4986.636+/-508.983 χ^2/NDF: 31.2/41



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2570.433+/-1.073 χ^2/NDF:5370.7/3

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2491.475+/-0.939 χ^2/NDF:16280.1/3

Left: 2525.711+/-0.706 χ^2/NDF: 24718.5/7

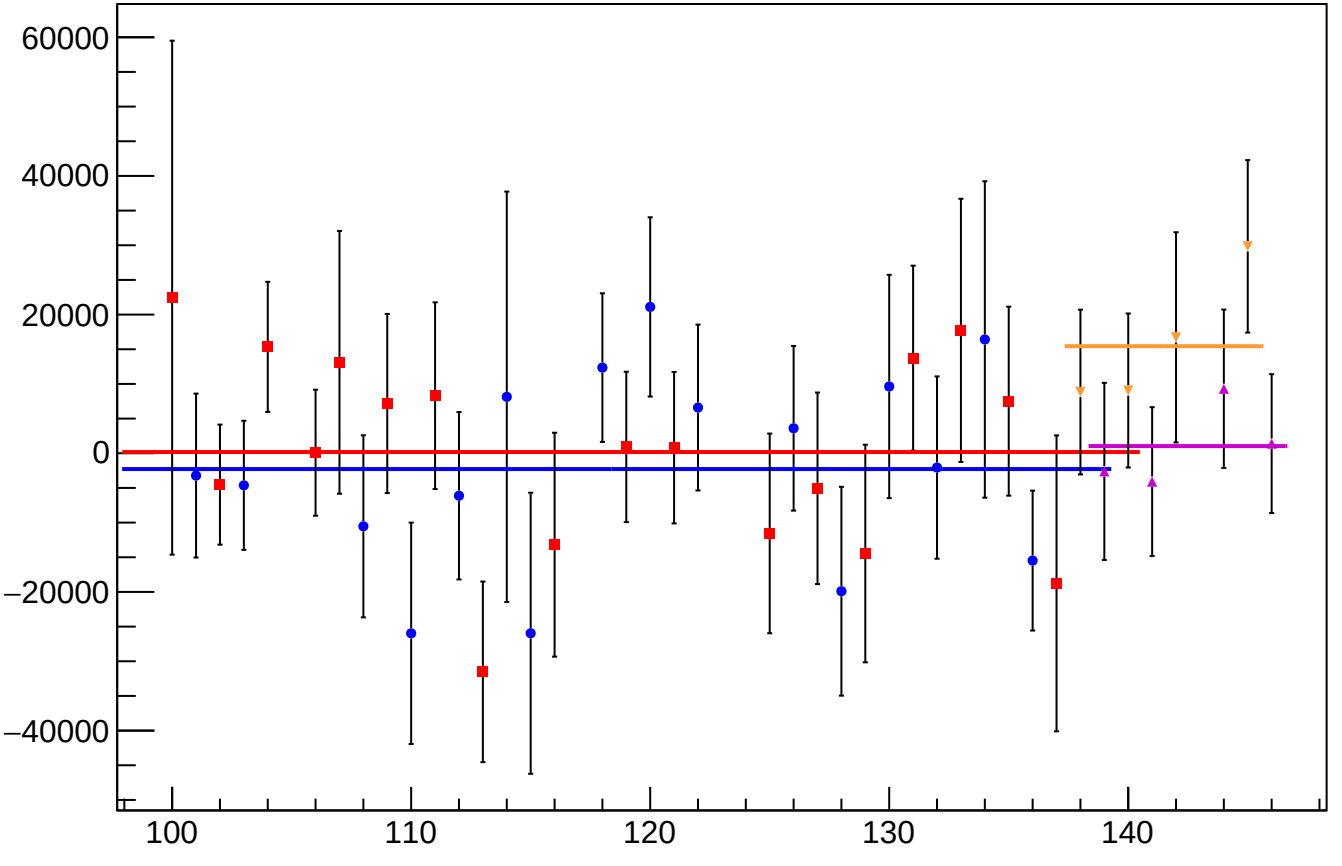
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2300.092+/-0.499 χ^2/NDF:258919.9/19

Out: 2303.124+/-0.519 χ^2/NDF:256363.4/21

All: 2301.549+/-0.360 χ^2/NDF: 515301.1/41

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 15441.501+/-6201.473 χ^2/NDF:2.0/3

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 1036.801+/-5551.770 χ^2/NDF:0.8/3

Left: 7445.305+/-4136.386 χ^2/NDF: 5.8/7

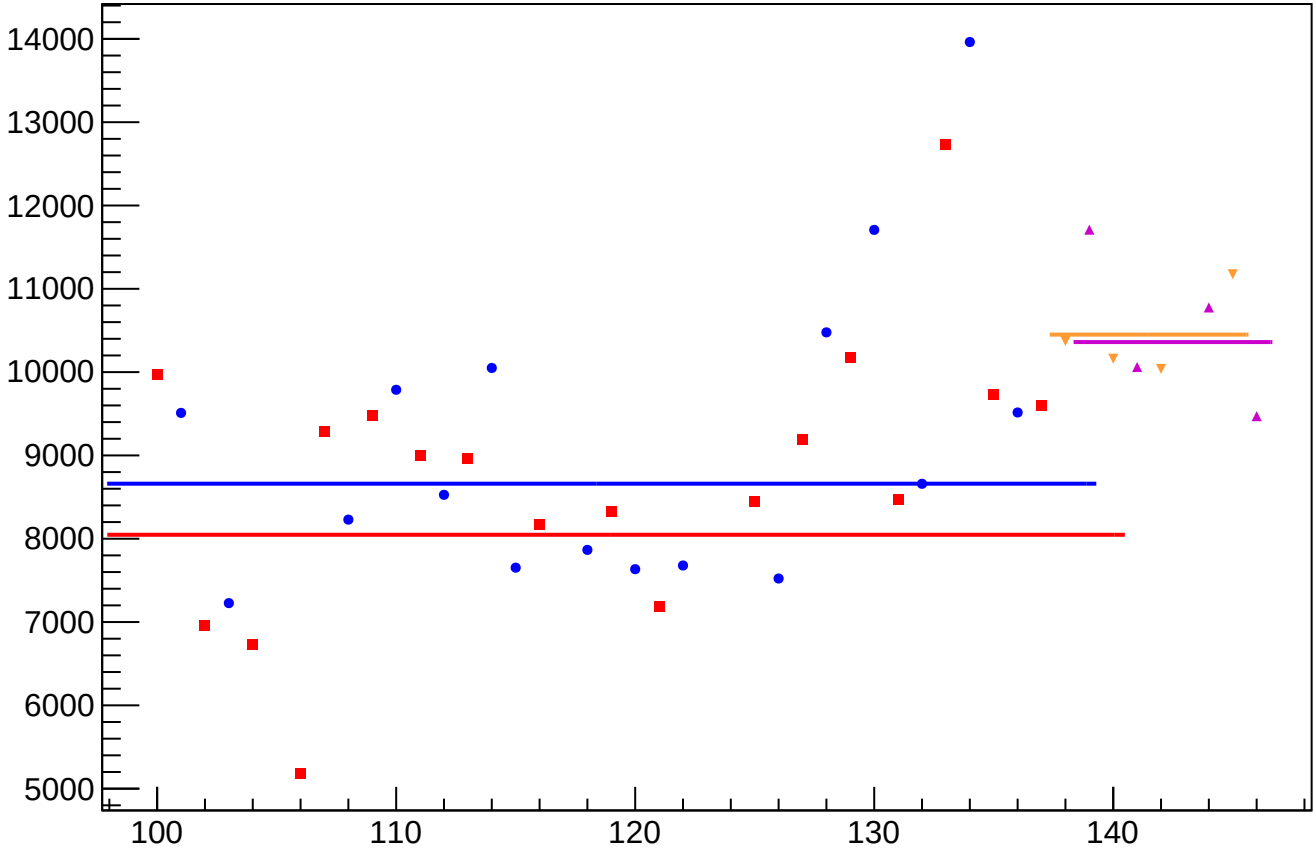
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -1423.865+/-2818.700 χ^2/NDF:15.6/19

Out: 3127.151+/-2726.304 χ^2/NDF:22.5/21

All: 927.455+/-1959.639 χ^2/NDF: 39.5/41

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: 10450.109+/-4.385 χ^2/NDF:9701.1/3

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10360.630+/-3.926 χ^2/NDF:42311.0/3

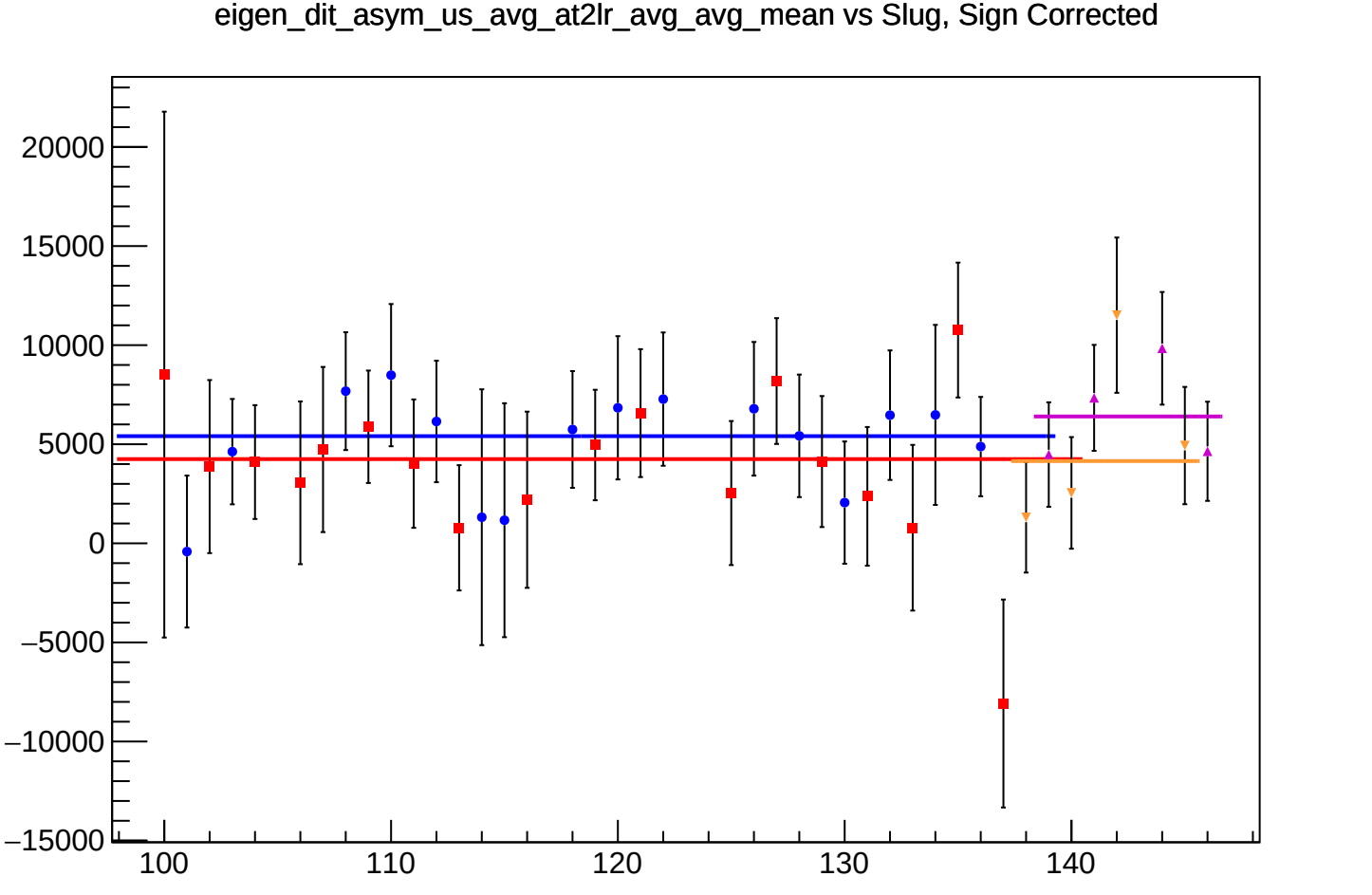
Left: 10400.438+/-2.925 χ^2/NDF: 52243.3/7

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9098.918+/-1.993 χ^2/NDF:539444.4/19

Out: 8511.814+/-1.928 χ^2/NDF:810447.6/21

All: 8795.586+/-1.386 χ^2/NDF: 1394721.6/41



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 4151.221+/-1517.287 χ^2/NDF:5.0/3

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 6401.129+/-1327.535 χ^2/NDF:2.6/3

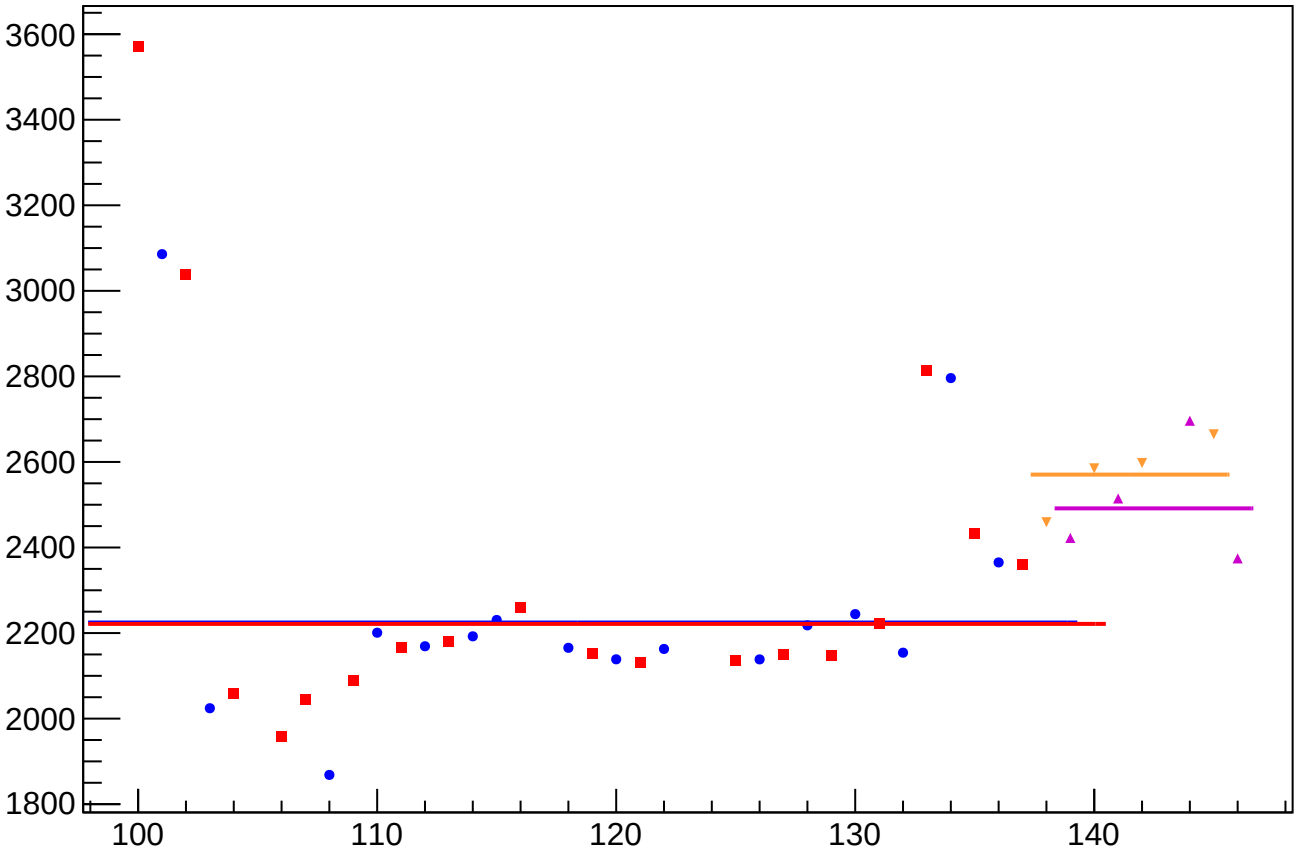
Left: 5425.581+/-999.102 χ^2/NDF: 8.8/7

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5688.798+/-706.014 χ^2/NDF:9.7/19

Out: 4226.781+/-734.450 χ^2/NDF:19.4/21

All: 4986.640+/-508.983 χ^2/NDF: 31.2/41



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2570.436+/-1.073 χ^2/NDF:5371.0/3

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2491.479+/-0.939 χ^2/NDF:16280.2/3

Left: 2525.714+/-0.706 χ^2/NDF: 24718.8/7

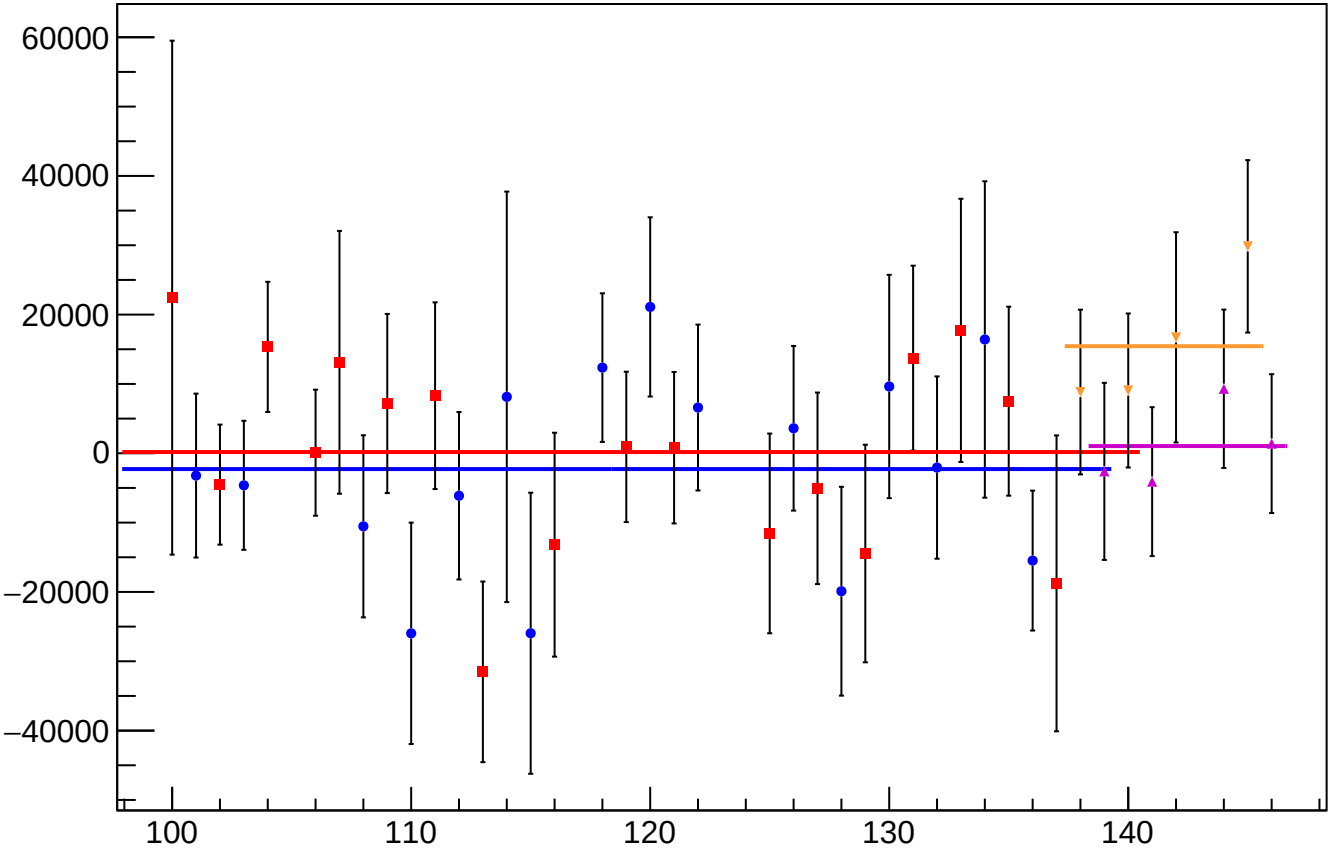
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2300.092+/-0.499 χ^2/NDF:258921.9/19

Out: 2303.124+/-0.519 χ^2/NDF:256365.4/21

All: 2301.549+/-0.360 χ^2/NDF: 515305.1/41

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: 15441.540+/-6201.485 χ^2/NDF:2.0/3

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 1036.789+/-5551.779 χ^2/NDF:0.8/3

Left: 7445.314+/-4136.394 χ^2/NDF: 5.8/7

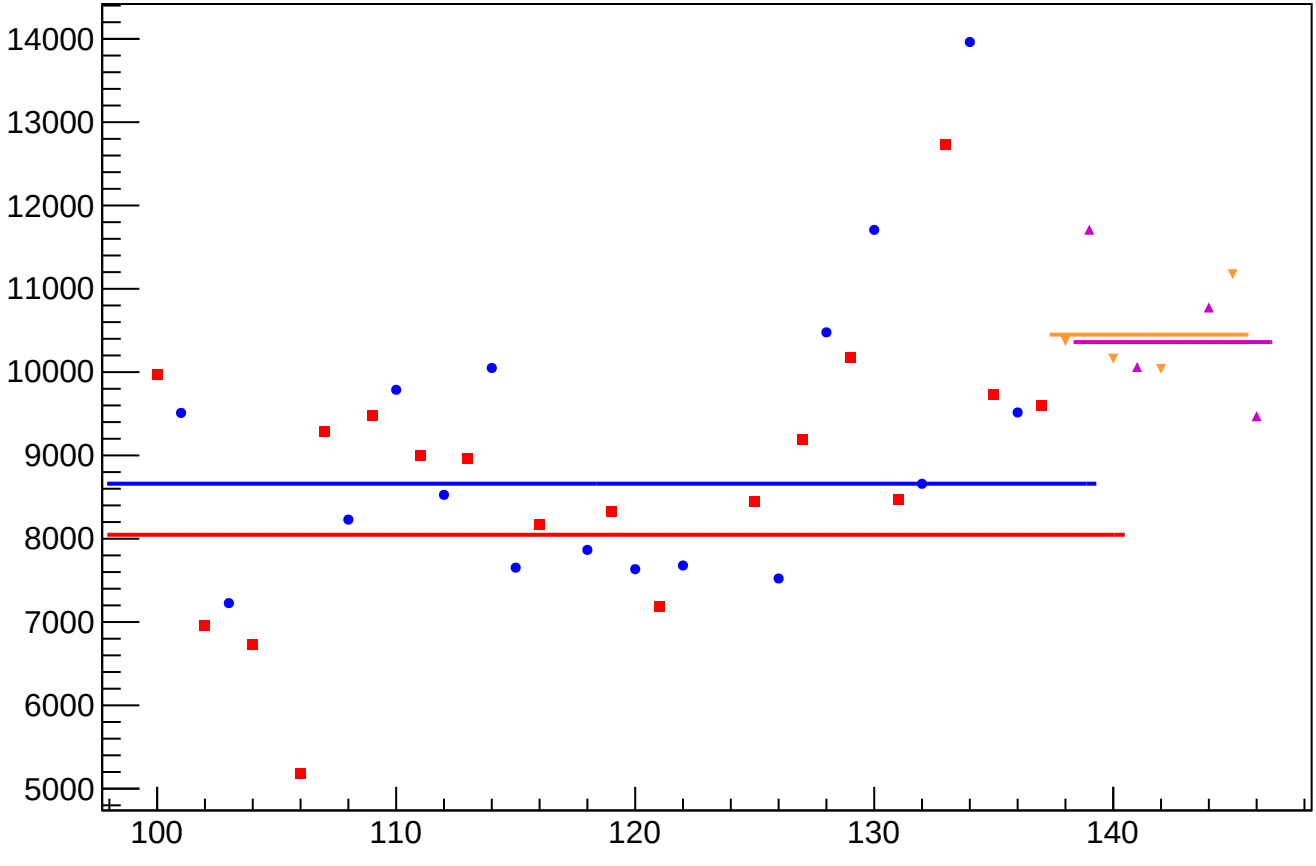
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -1423.857+/-2818.696 χ^2/NDF:15.6/19

Out: 3127.143+/-2726.300 χ^2/NDF:22.5/21

All: 927.455+/-1959.636 χ^2/NDF: 39.5/41

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: 10450.129+/-4.385 χ^2/NDF:9701.4/3

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10360.647+/-3.926 χ^2/NDF:42311.5/3

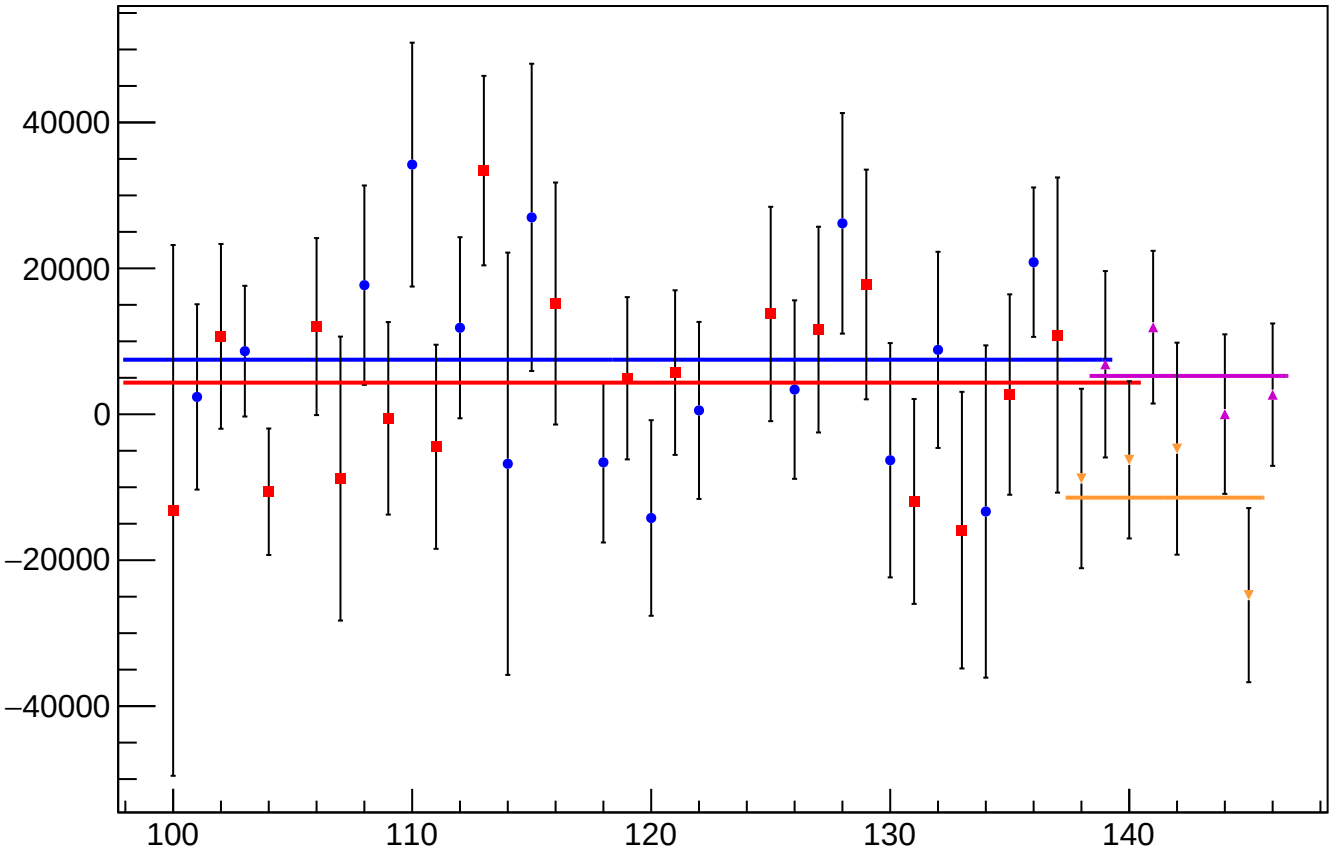
Left: 10400.457+/-2.925 χ^2/NDF: 52244.0/7

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9098.904+/-1.993 χ^2/NDF:539453.2/19

Out: 8511.800+/-1.928 χ^2/NDF:810453.2/21

All: 8795.572+/-1.386 χ^2/NDF: 1394736.1/41



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -11426.287+/-6087.444 χ^2/NDF:1.7/3

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 5258.265+/-5413.834 χ^2/NDF:0.7/3

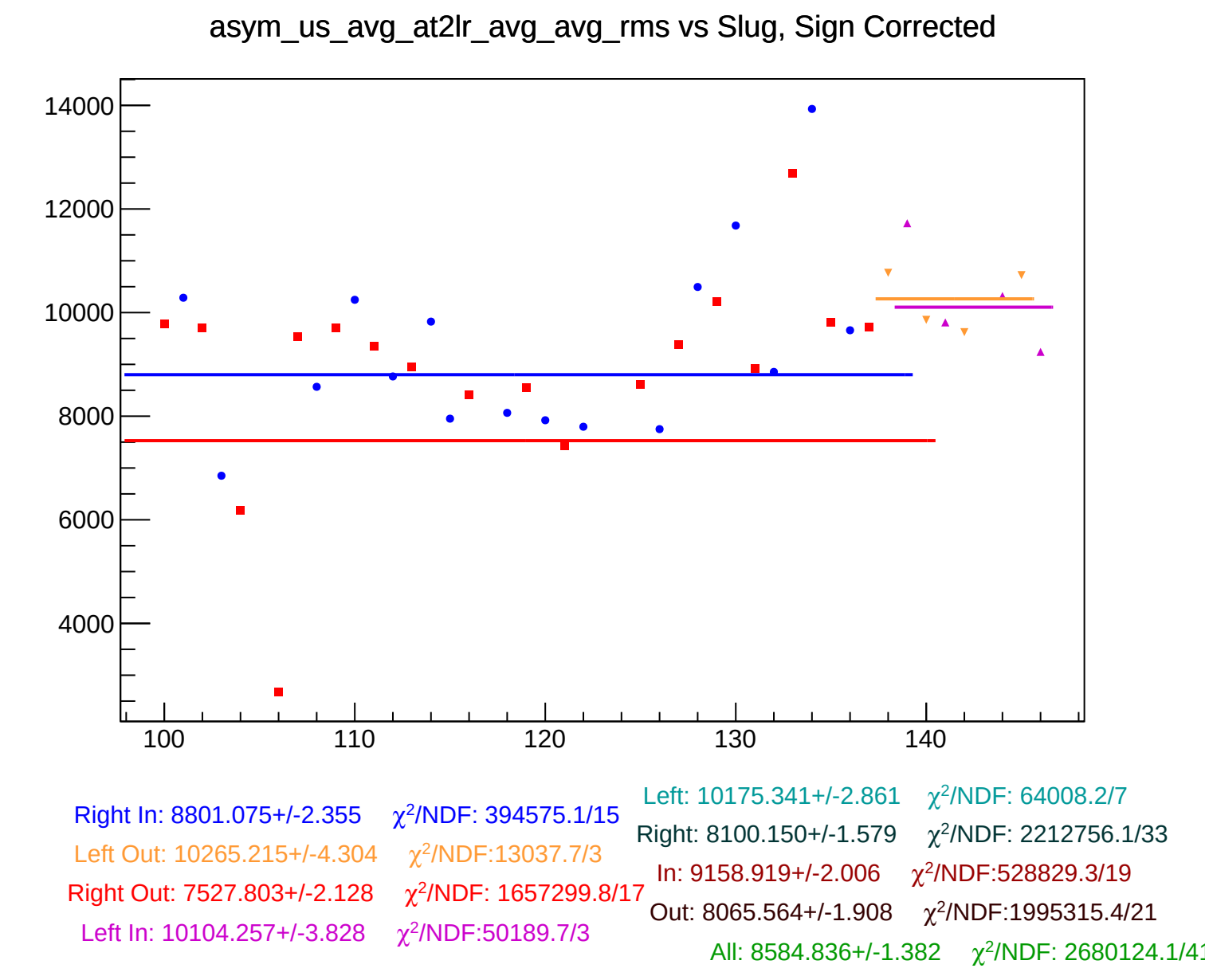
Left: -2110.166+/-4045.435 χ^2/NDF: 6.7/7

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

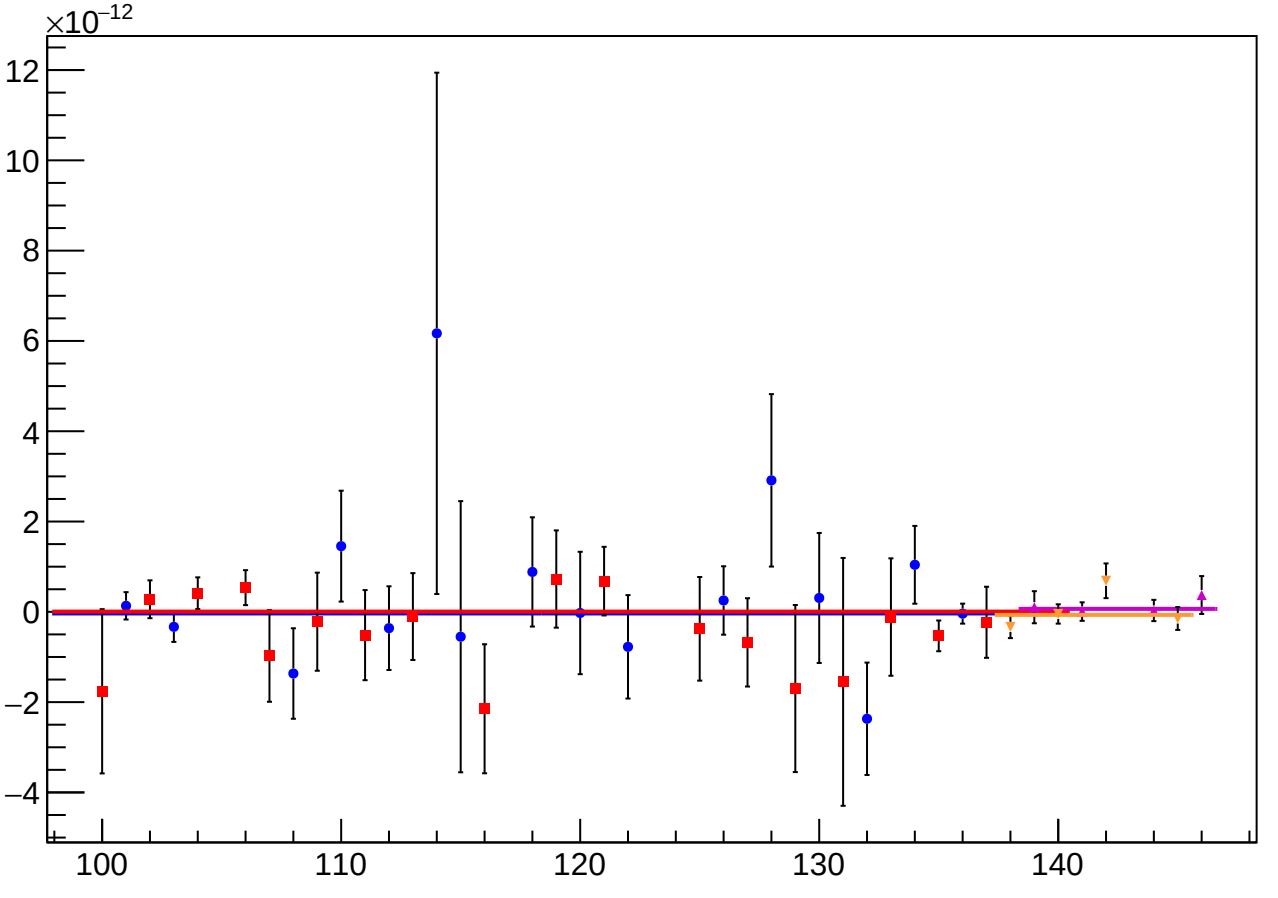
In: 6871.201+/-2836.959 χ^2/NDF:14.9/19

Out: 853.800+/-2861.919 χ^2/NDF:21.3/21

All: 3888.855+/-2014.800 χ^2/NDF: 38.4/41


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
Right In: 8801.075+/-2.355 χ²/NDF: 394575.1/15
Left Out: 10265.215+/-4.304 χ²/NDF:13037.7/3
Right Out: 7527.803+/-2.128 χ²/NDF: 1657299.8/17
Left In: 10104.257+/-3.828 χ²/NDF:50189.7/3
Left: 10175.341+/-2.861 χ²/NDF: 64008.2/7
Right: 8100.150+/-1.579 χ²/NDF: 2212756.1/33
In: 9158.919+/-2.006 χ²/NDF:528829.3/19
Out: 8065.564+/-1.908 χ²/NDF:1995315.4/21
All: 8584.836+/-1.382 χ²/NDF: 2680124.1/41

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:5.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

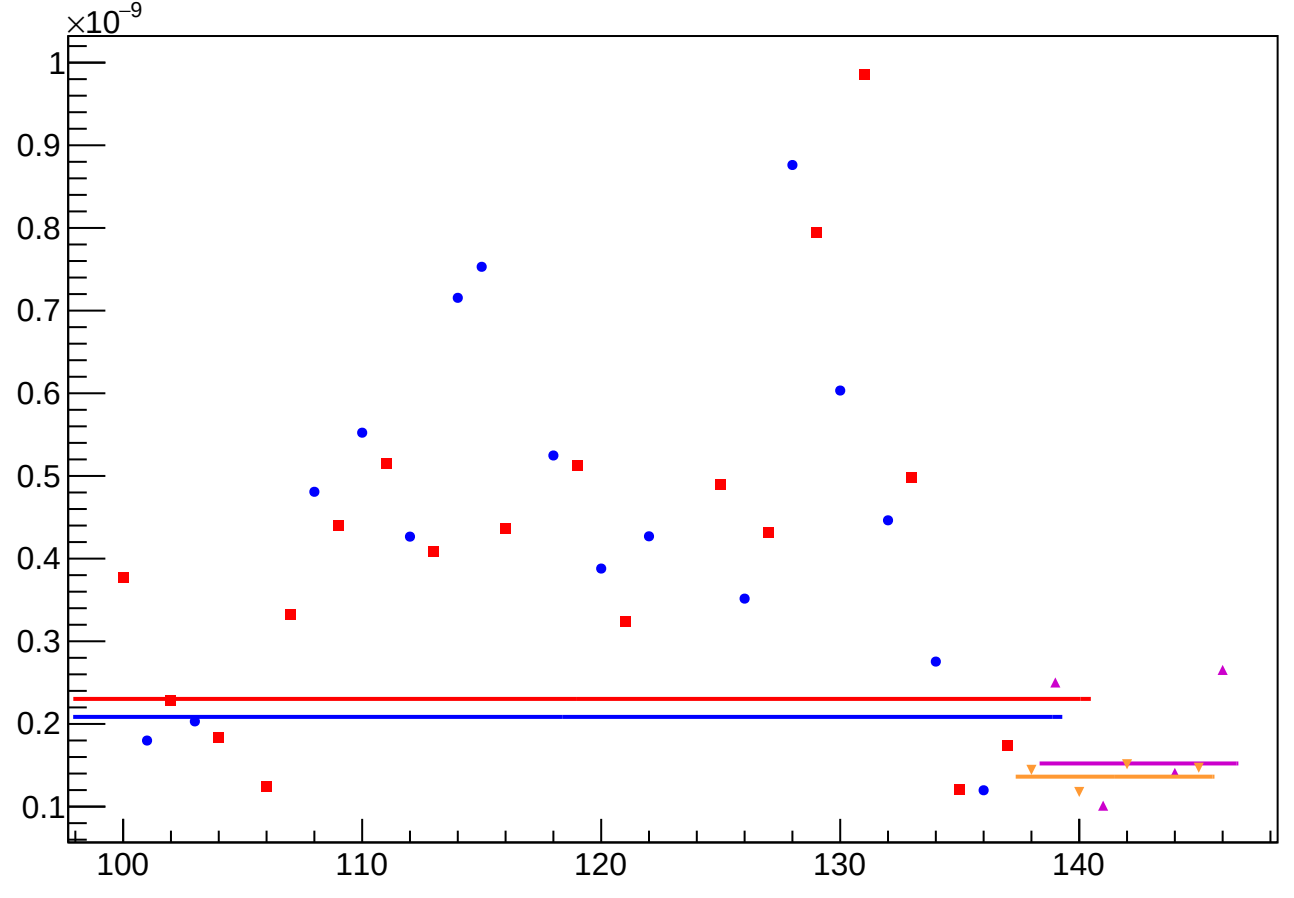
Left: -0.000+/-0.000 χ^2/NDF: 6.3/7

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:15.2/19

Out: -0.000+/-0.000 χ^2/NDF:19.0/21

All: -0.000+/-0.000 χ^2/NDF: 34.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23878.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:426267.9/3

Left: 0.000+/-0.000 χ^2/NDF: 464885.4/7

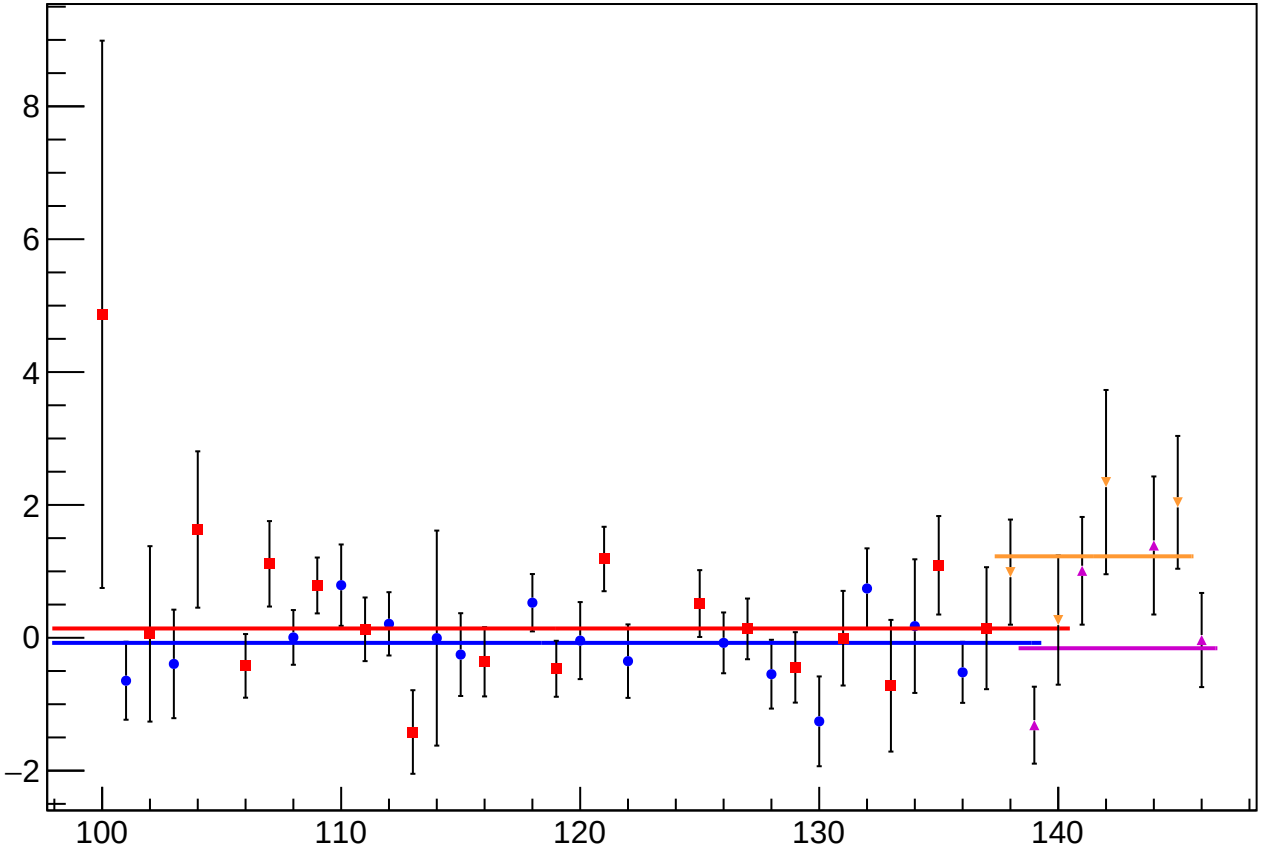
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2224949.1/19

Out: 0.000+/-0.000 χ^2/NDF:2016504.5/21

All: 0.000+/-0.000 χ^2/NDF: 4243740.4/41

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: 1.226+/-0.489 χ^2/NDF:2.4/3

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.157+/-0.367 χ^2/NDF:8.3/3

Left: 0.341+/-0.294 χ^2/NDF: 15.8/7

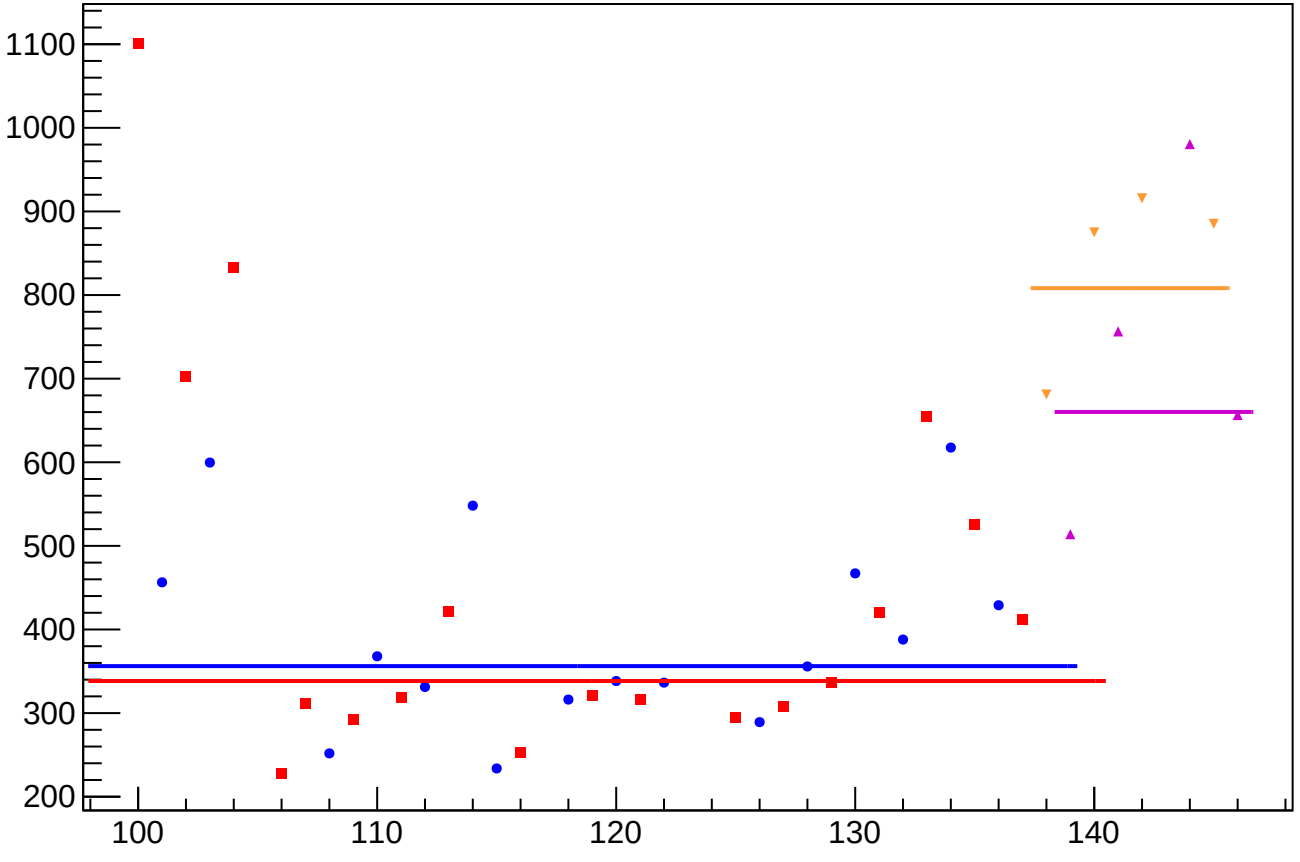
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.131 χ^2/NDF:20.9/19

Out: 0.220+/-0.133 χ^2/NDF:33.9/21

All: 0.064+/-0.093 χ^2/NDF: 57.5/41

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 808.285+/-0.346 χ^2/NDF:84916.3/3

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 660.193+/-0.260 χ^2/NDF:345825.7/3

Left: 713.507+/-0.208 χ^2/NDF: 547926.6/7

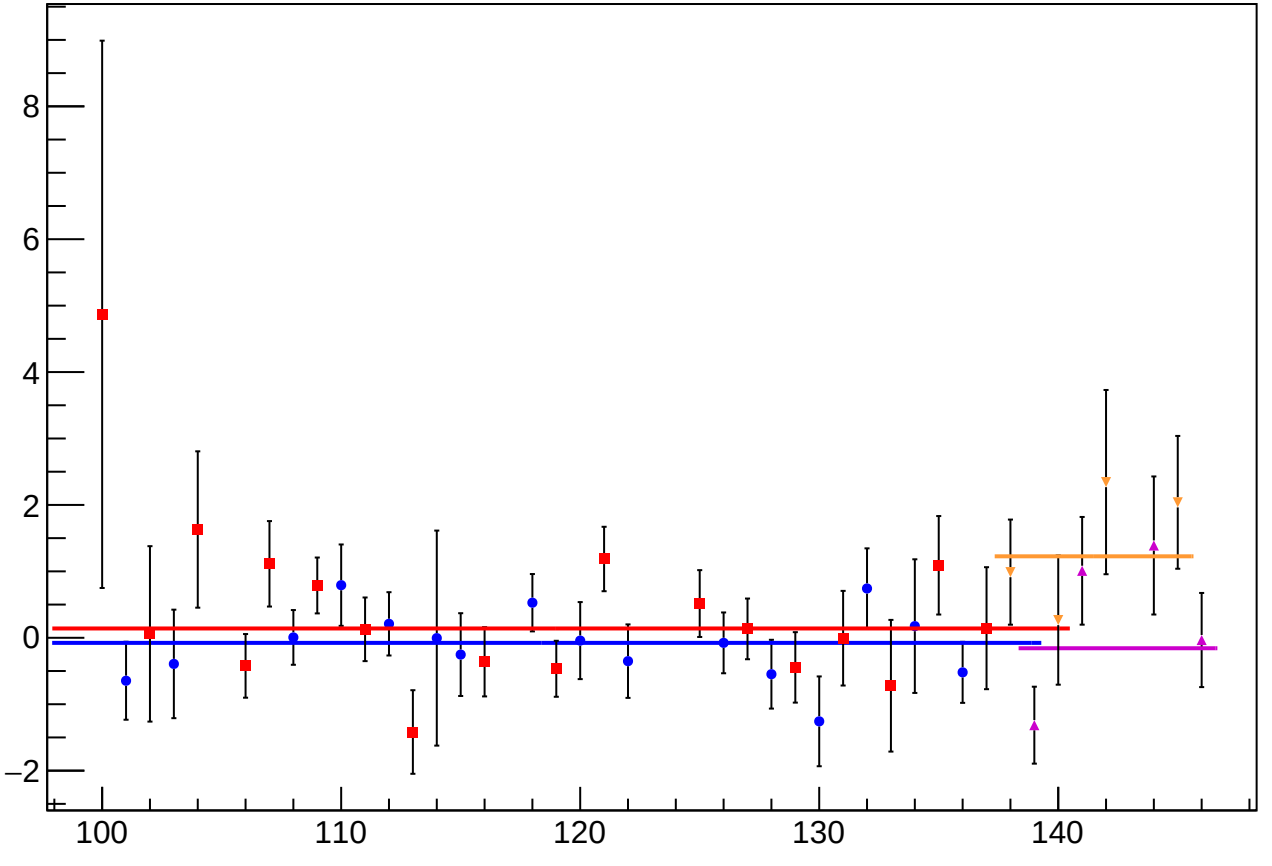
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 394.745+/-0.092 χ^2/NDF:2328638.8/19

Out: 373.000+/-0.094 χ^2/NDF:2995790.1/21

All: 384.043+/-0.066 χ^2/NDF: 5351661.8/41

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: 1.226+/-0.489 χ^2/NDF:2.4/3

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.157+/-0.367 χ^2/NDF:8.3/3

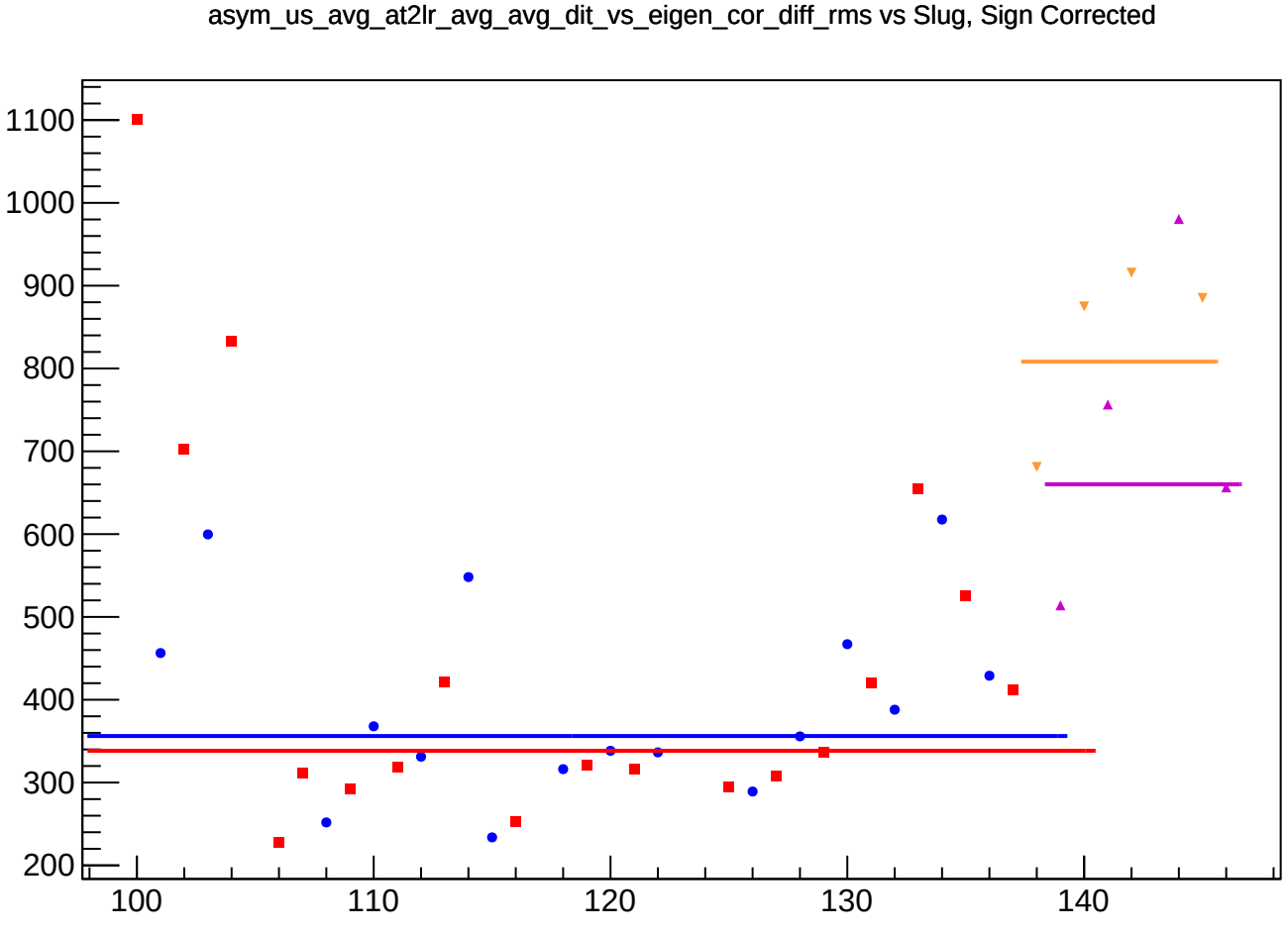
Left: 0.341+/-0.294 χ^2/NDF: 15.8/7

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.131 χ^2/NDF:20.9/19

Out: 0.220+/-0.133 χ^2/NDF:33.9/21

All: 0.064+/-0.093 χ^2/NDF: 57.5/41



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 808.285+/-0.346 χ^2/NDF:84916.3/3

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 660.193+/-0.260 χ^2/NDF:345825.7/3

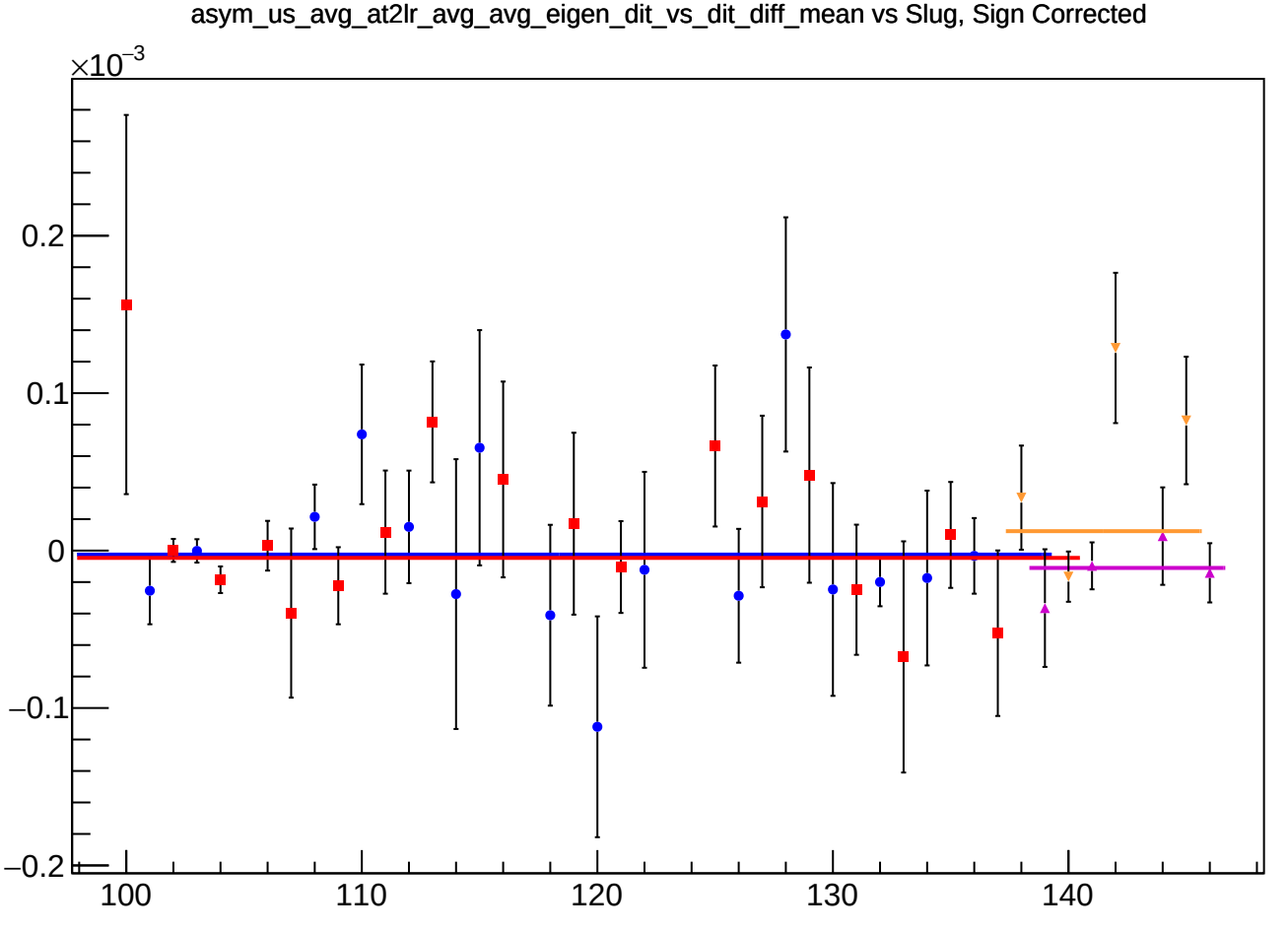
Left: 713.507+/-0.208 χ^2/NDF: 547926.6/7

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 394.745+/-0.092 χ^2/NDF:2328638.8/19

Out: 373.000+/-0.094 χ^2/NDF:2995790.1/21

All: 384.043+/-0.066 χ^2/NDF: 5351661.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/3

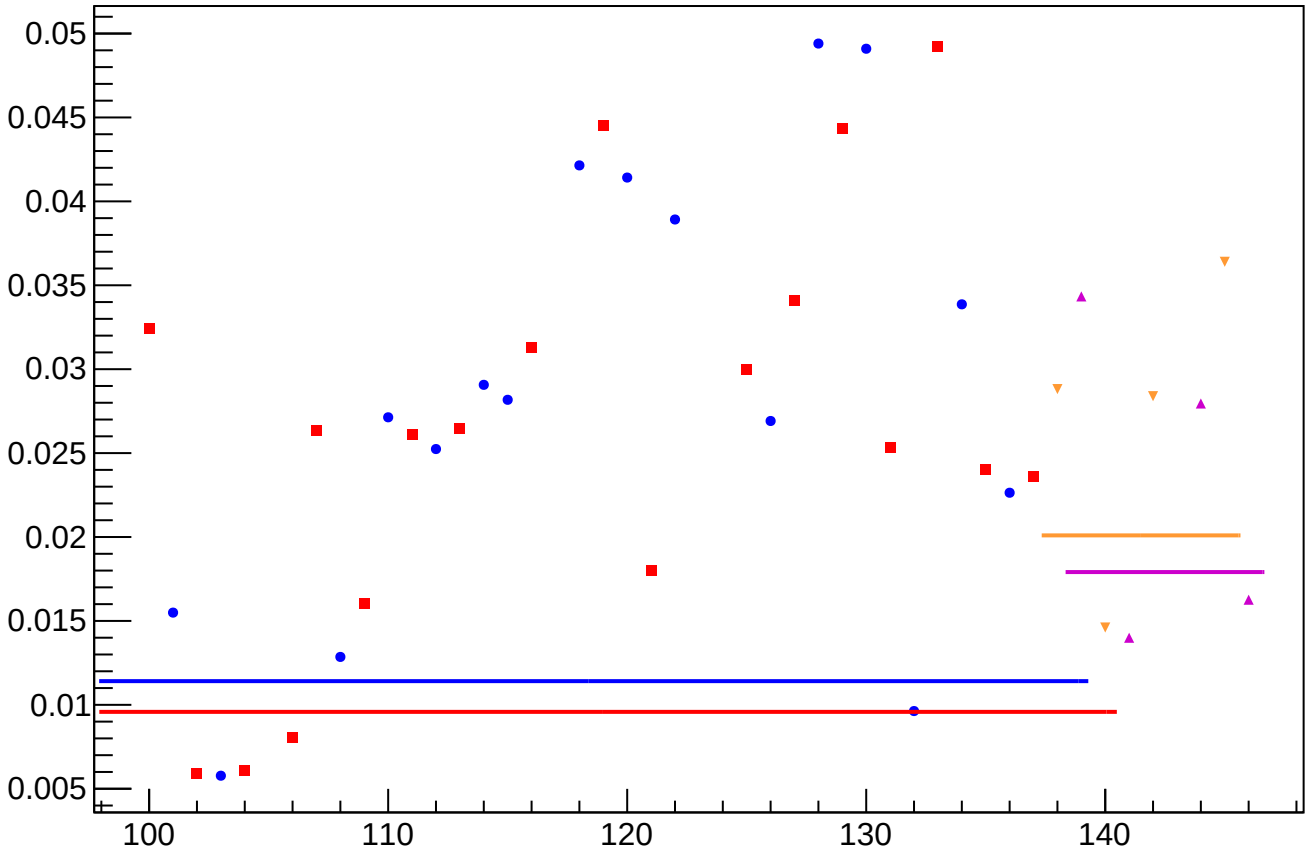
Left: -0.000+/-0.000 χ^2/NDF: 15.5/7

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:16.5/19

Out: -0.000+/-0.000 χ^2/NDF:31.2/21

All: -0.000+/-0.000 χ^2/NDF: 47.8/41



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.020+/-0.000 χ^2/NDF:759797.6/3

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.018+/-0.000 χ^2/NDF:749980.9/3

Left: 0.019+/-0.000 χ^2/NDF: 1543889.6/7

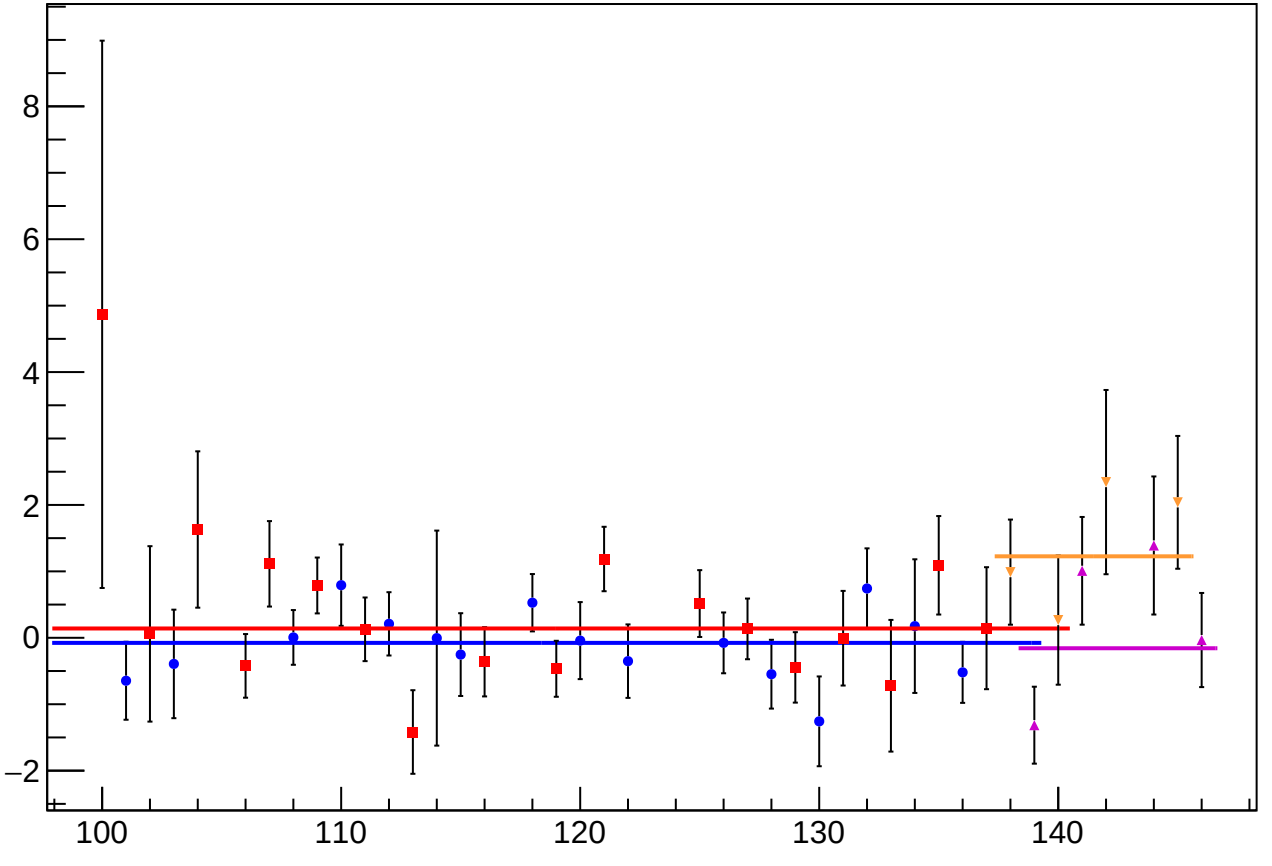
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:6849386.4/19

Out: 0.011+/-0.000 χ^2/NDF:7698230.0/21

All: 0.012+/-0.000 χ^2/NDF: 14736510.8/41

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: 1.227+/-0.489 χ^2/NDF:2.4/3

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.157+/-0.367 χ^2/NDF:8.3/3

Left: 0.341+/-0.294 χ^2/NDF: 15.8/7

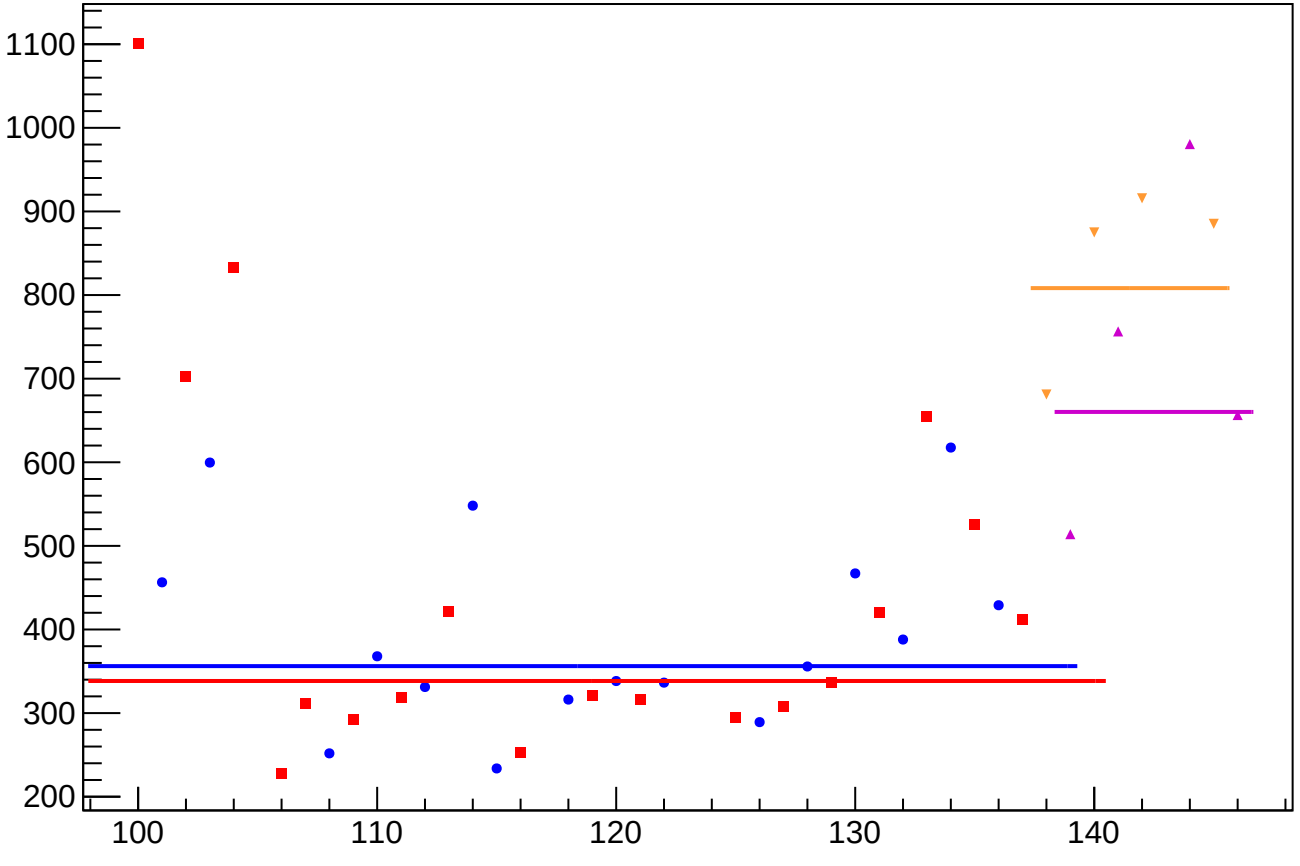
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.131 χ^2/NDF:20.9/19

Out: 0.220+/-0.133 χ^2/NDF:33.9/21

All: 0.064+/-0.093 χ^2/NDF: 57.5/41

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 808.295+/-0.346 χ^2/NDF:84919.2/3

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 660.204+/-0.260 χ^2/NDF:345812.4/3

Left: 713.518+/-0.208 χ^2/NDF: 547910.5/7

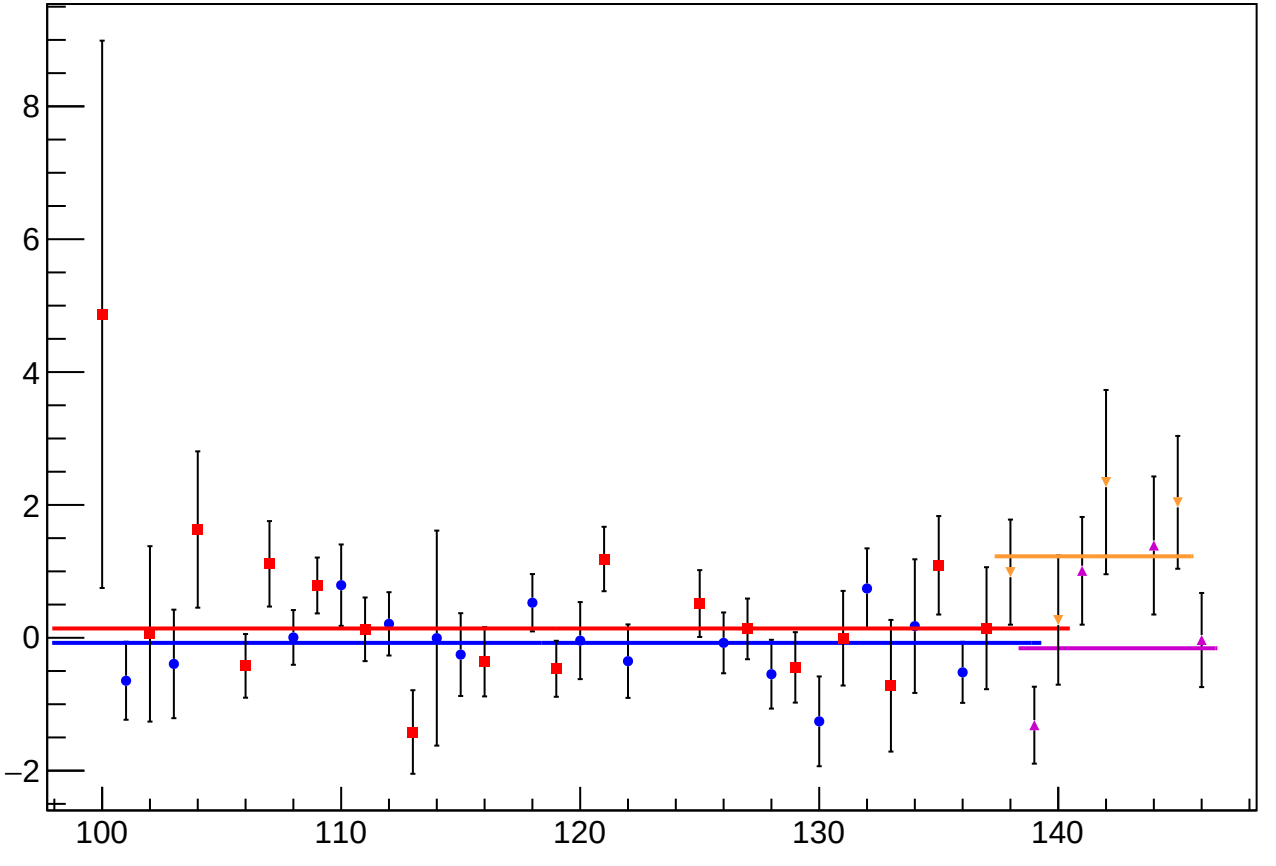
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 394.744+/-0.092 χ^2/NDF:2328657.5/19

Out: 372.998+/-0.094 χ^2/NDF:2995820.6/21

All: 384.041+/-0.066 χ^2/NDF: 5351714.0/41

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: 1.227+/-0.489 χ^2/NDF:2.4/3

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.157+/-0.367 χ^2/NDF:8.3/3

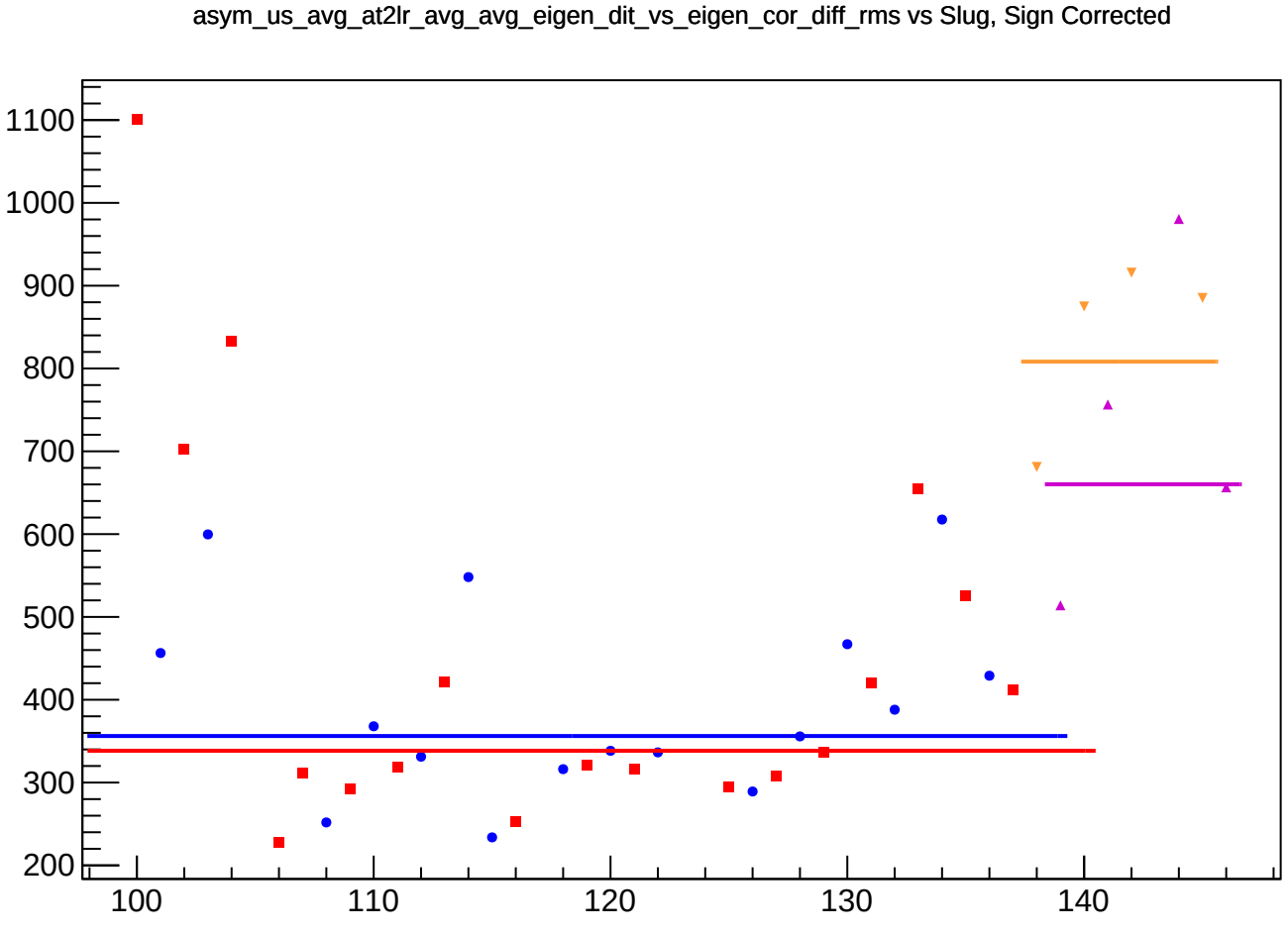
Left: 0.341+/-0.294 χ^2/NDF: 15.8/7

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.131 χ^2/NDF:20.9/19

Out: 0.220+/-0.133 χ^2/NDF:33.9/21

All: 0.064+/-0.093 χ^2/NDF: 57.5/41



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 808.295+/-0.346 χ^2/NDF:84919.2/3

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 660.204+/-0.260 χ^2/NDF:345812.4/3

Left: 713.518+/-0.208 χ^2/NDF: 547910.5/7

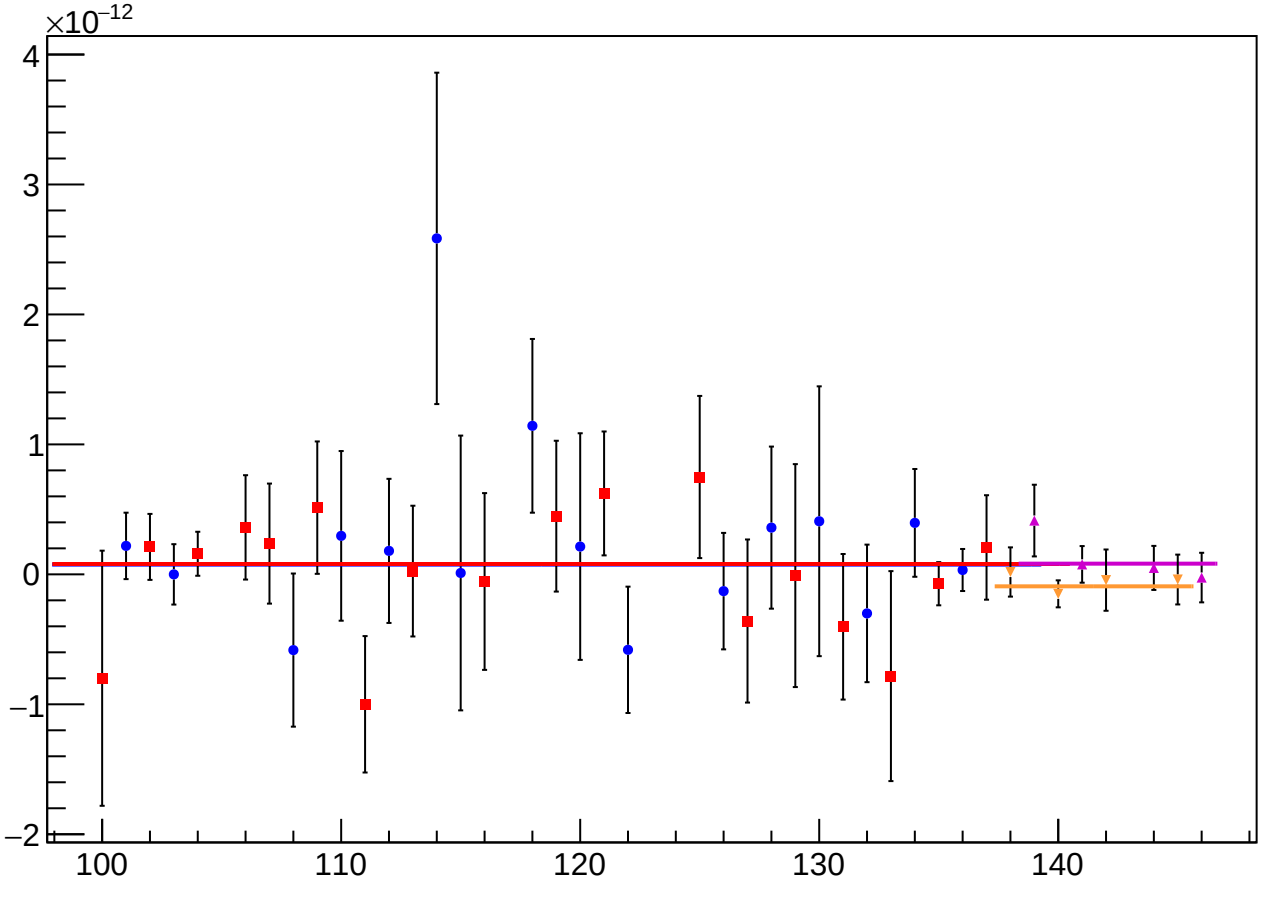
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 394.744+/-0.092 χ^2/NDF:2328657.5/19

Out: 372.998+/-0.094 χ^2/NDF:2995820.6/21

All: 384.041+/-0.066 χ^2/NDF: 5351714.0/41

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

Left: -0.000+/-0.000 χ^2/NDF: 4.7/7

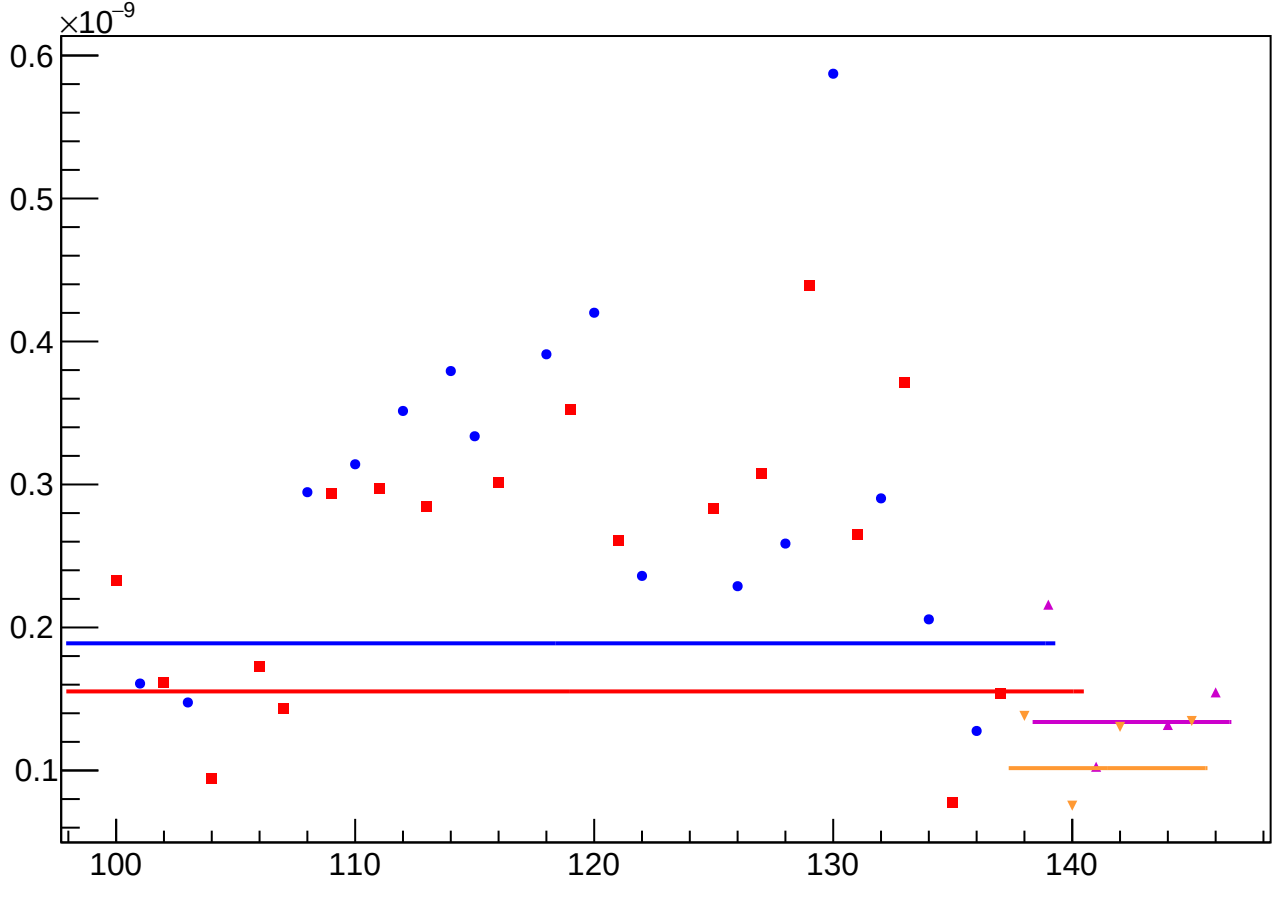
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:13.6/19

Out: -0.000+/-0.000 χ^2/NDF:16.1/21

All: 0.000+/-0.000 χ^2/NDF: 30.8/41

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:291179.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:299624.1/3

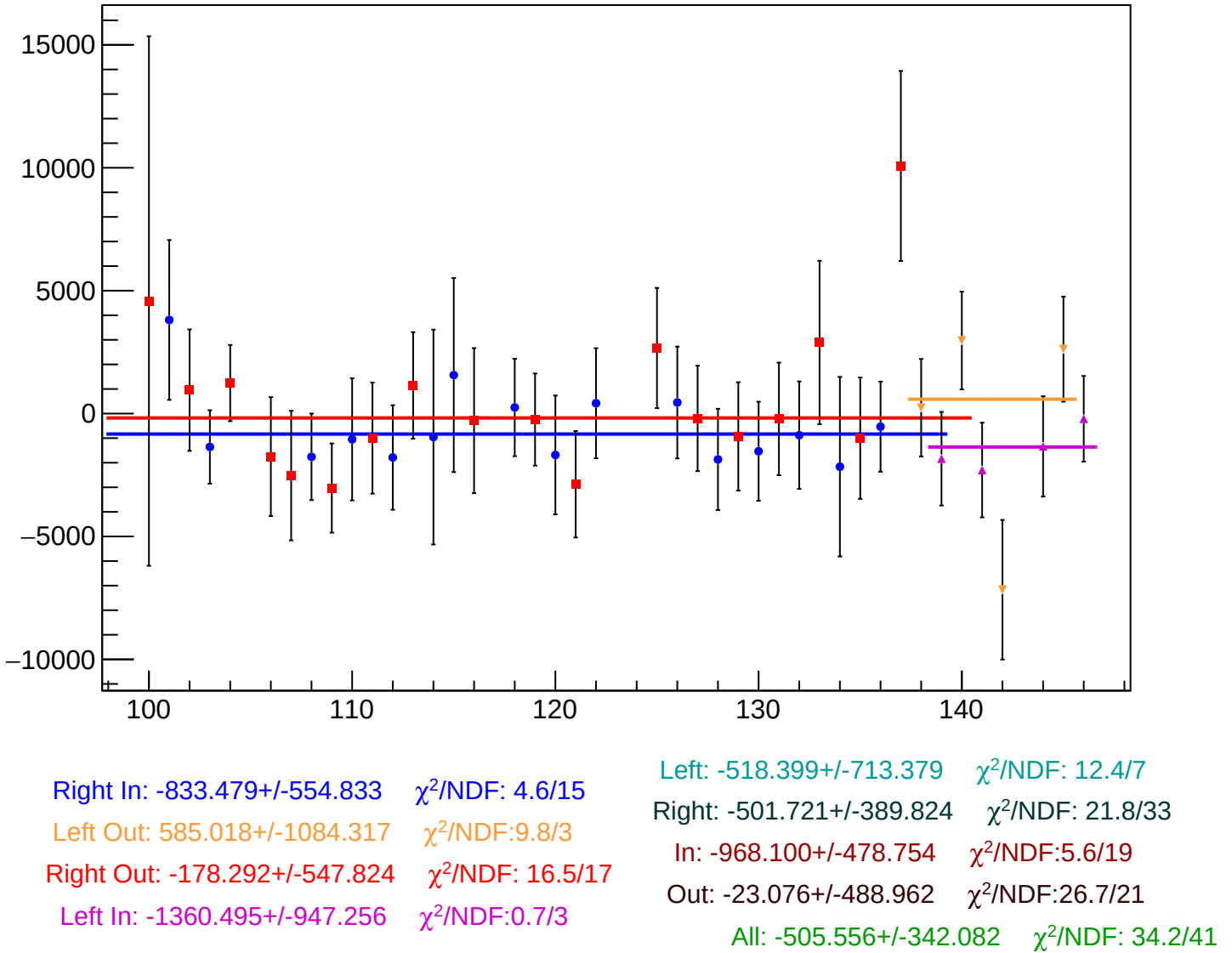
Left: 0.000+/-0.000 χ^2/NDF: 739707.6/7

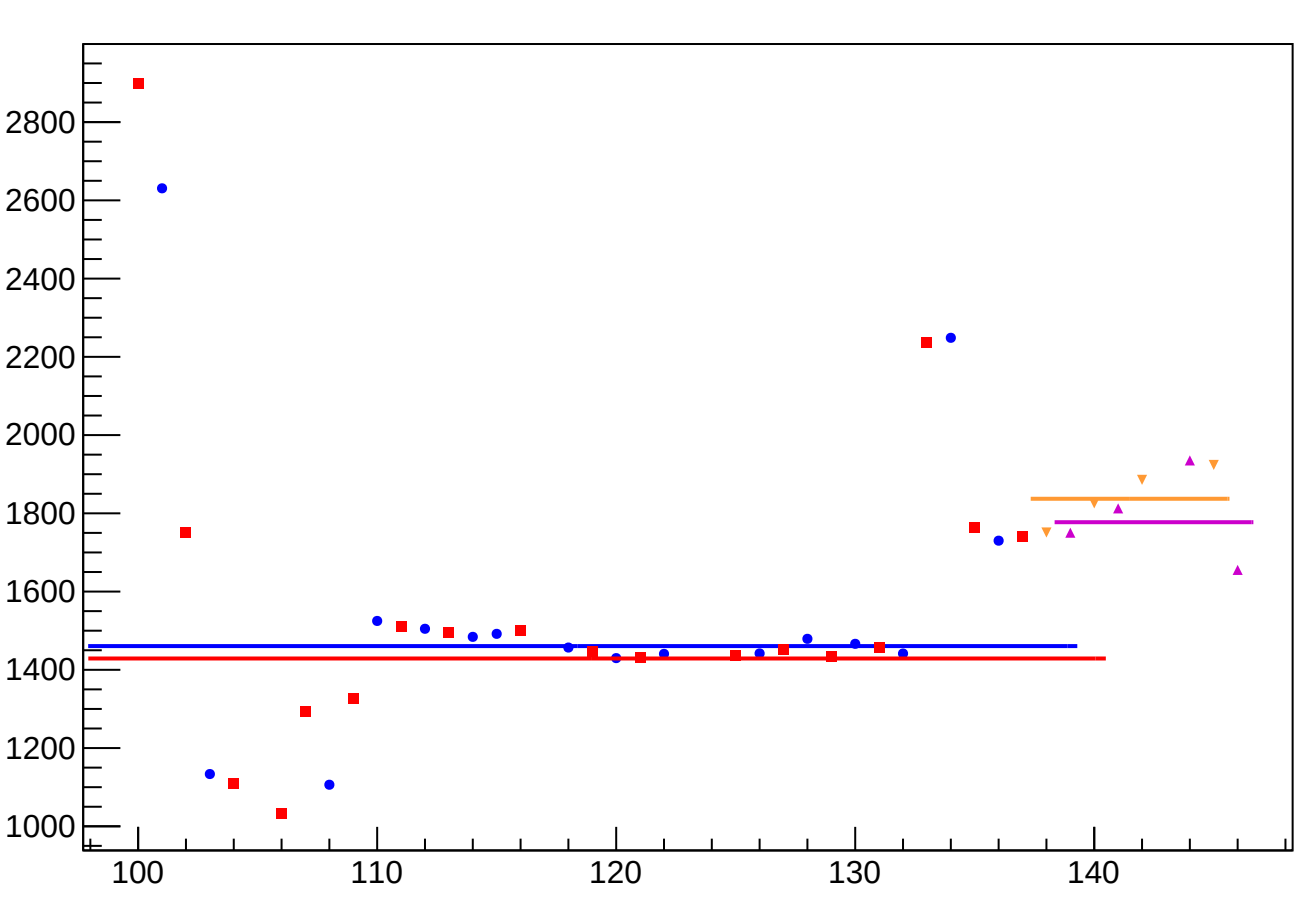
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:2171456.2/19

Out: 0.000+/-0.000 χ^2/NDF:2923424.0/21

All: 0.000+/-0.000 χ^2/NDF: 5388250.1/41


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 585.018+/-1084.317 χ²/NDF:9.8/3
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1360.495+/-947.256 χ²/NDF:0.7/3
Left: -518.399+/-713.379 χ²/NDF: 12.4/7
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -968.100+/-478.754 χ²/NDF:5.6/19
Out: -23.076+/-488.962 χ²/NDF:26.7/21
All: -505.556+/-342.082 χ²/NDF: 34.2/41



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1837.223+/-0.767 χ^2/NDF:7709.9/3

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

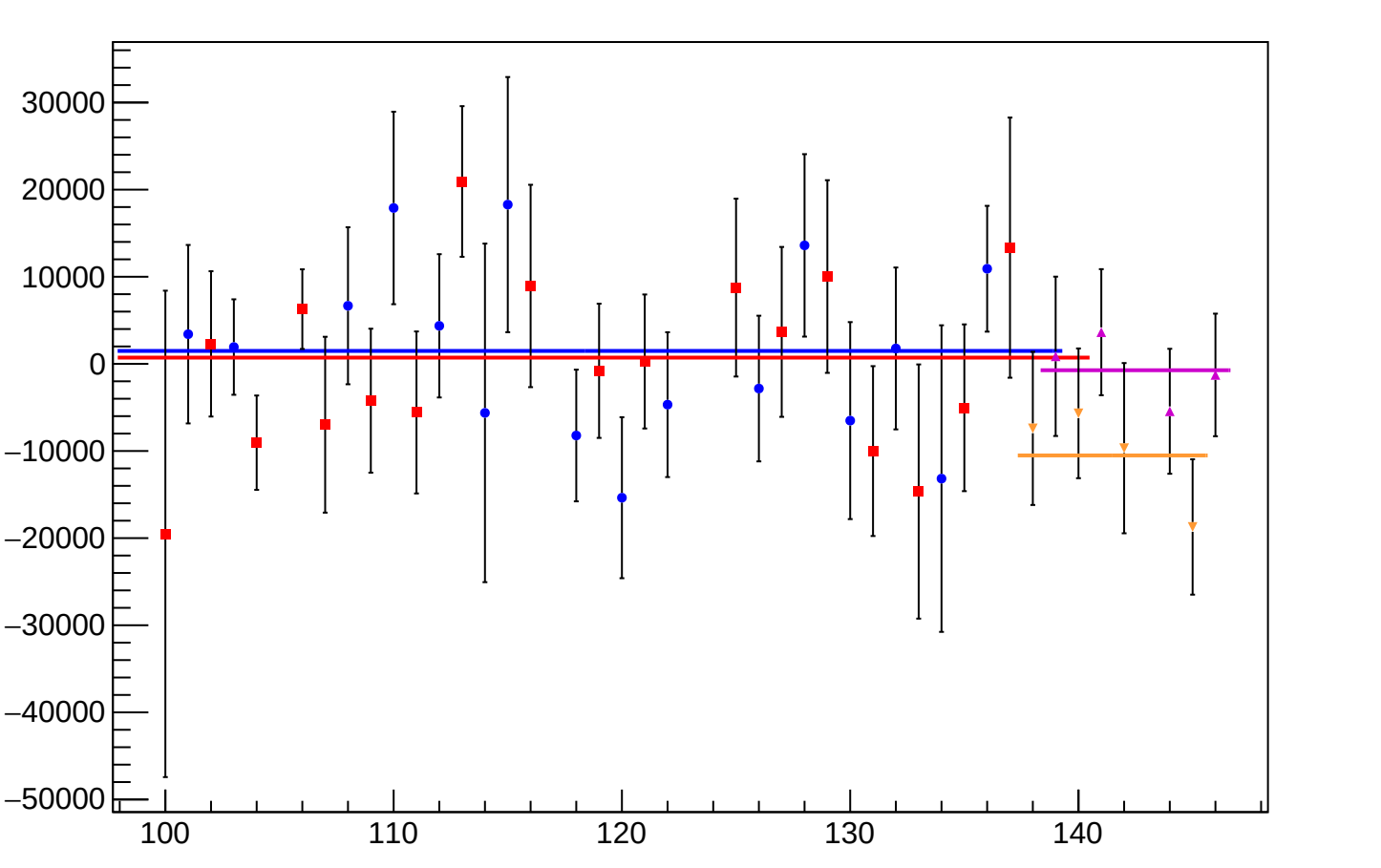
Left: 1803.244+/-0.504 χ^2/NDF: 34004.9/7

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1541.541+/-0.339 χ^2/NDF:764978.6/19

Out: 1510.988+/-0.344 χ^2/NDF:645559.4/21

All: 1526.496+/-0.241 χ^2/NDF: 1414549.0/41



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -10508.488+/-4151.535 χ^2/NDF:1.7/3

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -728.661+/-3760.580 χ^2/NDF:0.8/3

Left: -5136.508+/-2787.125 χ^2/NDF: 5.6/7

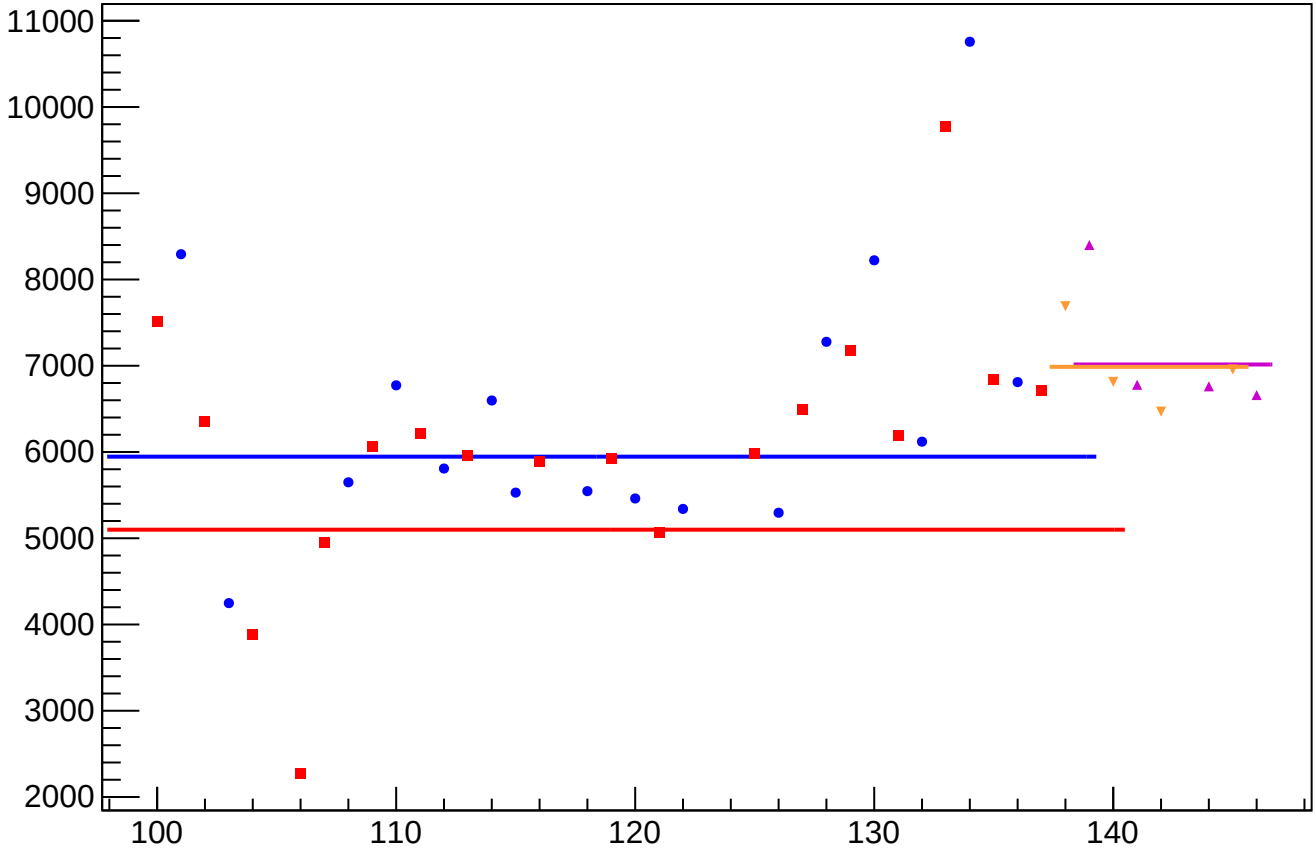
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 896.359+/-1942.152 χ^2/NDF:15.3/19

Out: -1414.788+/-1810.252 χ^2/NDF:25.1/21

All: -340.353+/-1324.218 χ^2/NDF: 41.1/41

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6987.426+/-2.936 χ^2/NDF:19551.1/3

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7014.769+/-2.659 χ^2/NDF:55578.8/3

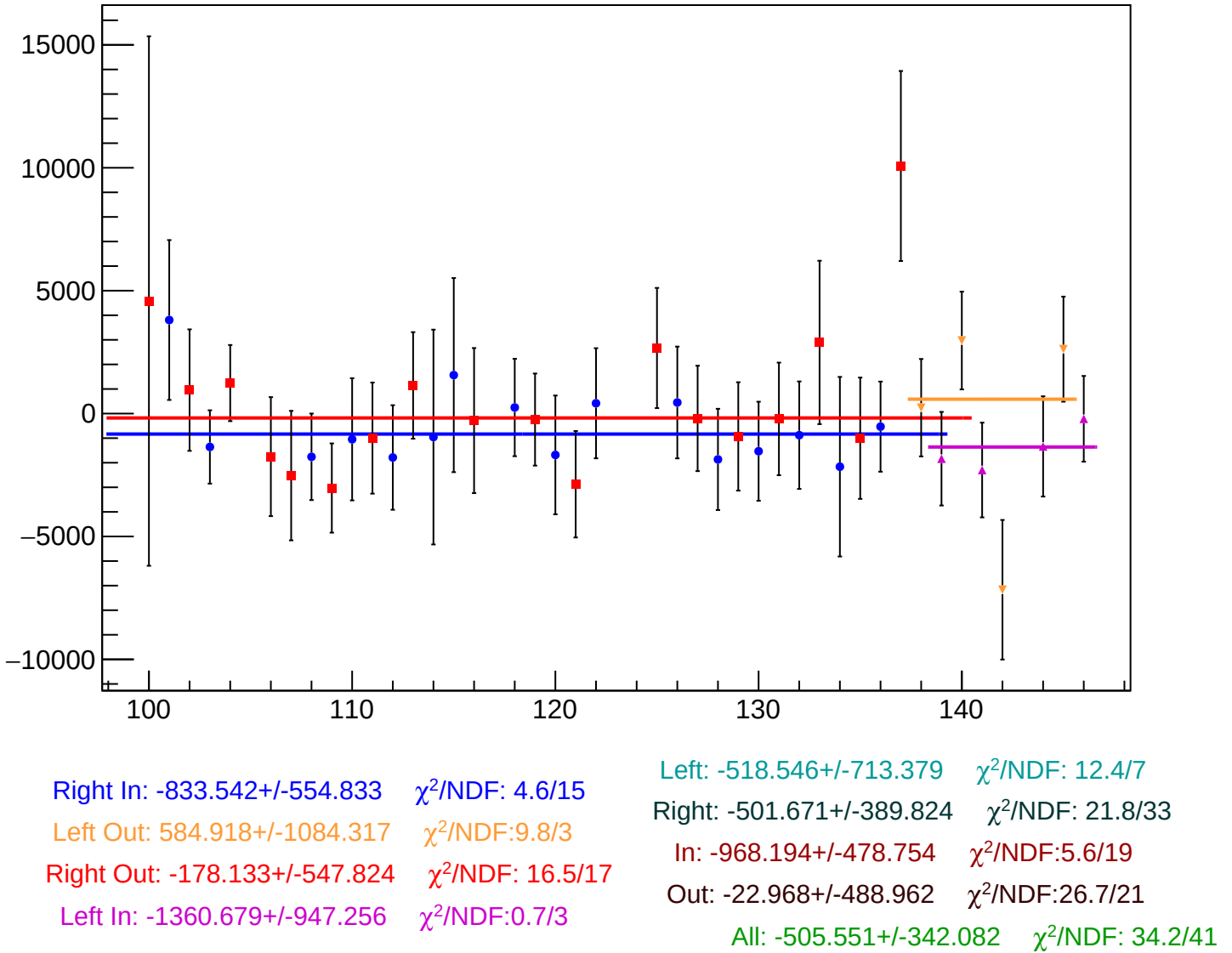
Left: 7002.445+/-1.971 χ^2/NDF: 75177.6/7

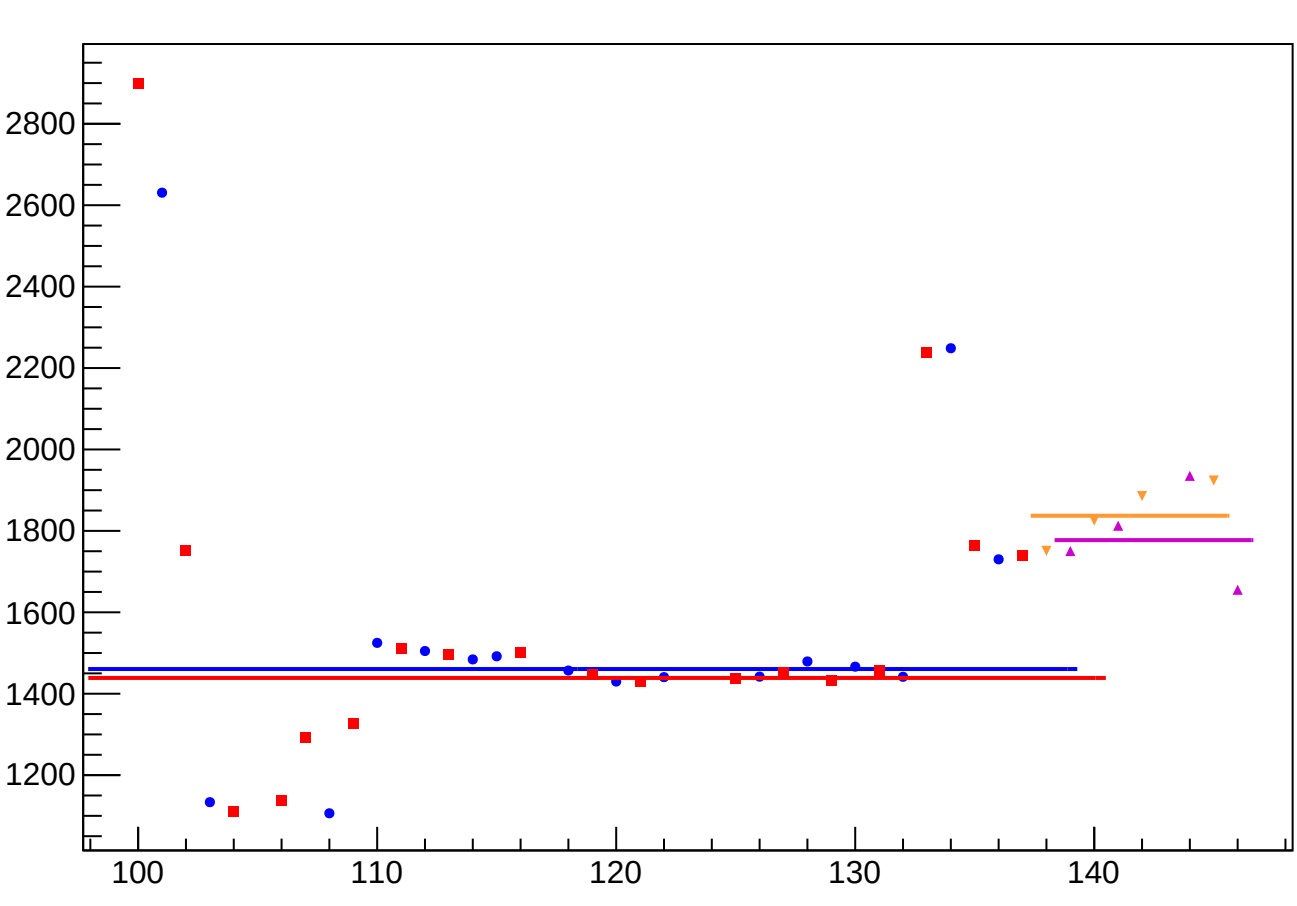
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6231.121+/-1.373 χ^2/NDF:815148.7/19

Out: 5458.358+/-1.280 χ^2/NDF:1834924.7/21

All: 5817.610+/-0.936 χ^2/NDF: 2819506.0/41


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 584.918+/-1084.317 χ²/NDF:9.8/3
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1360.679+/-947.256 χ²/NDF:0.7/3
Left: -518.546+/-713.379 χ²/NDF: 12.4/7
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -968.194+/-478.754 χ²/NDF:5.6/19
Out: -22.968+/-488.962 χ²/NDF:26.7/21
All: -505.551+/-342.082 χ²/NDF: 34.2/41



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1837.223+/-0.767 χ^2/NDF:7709.9/3

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

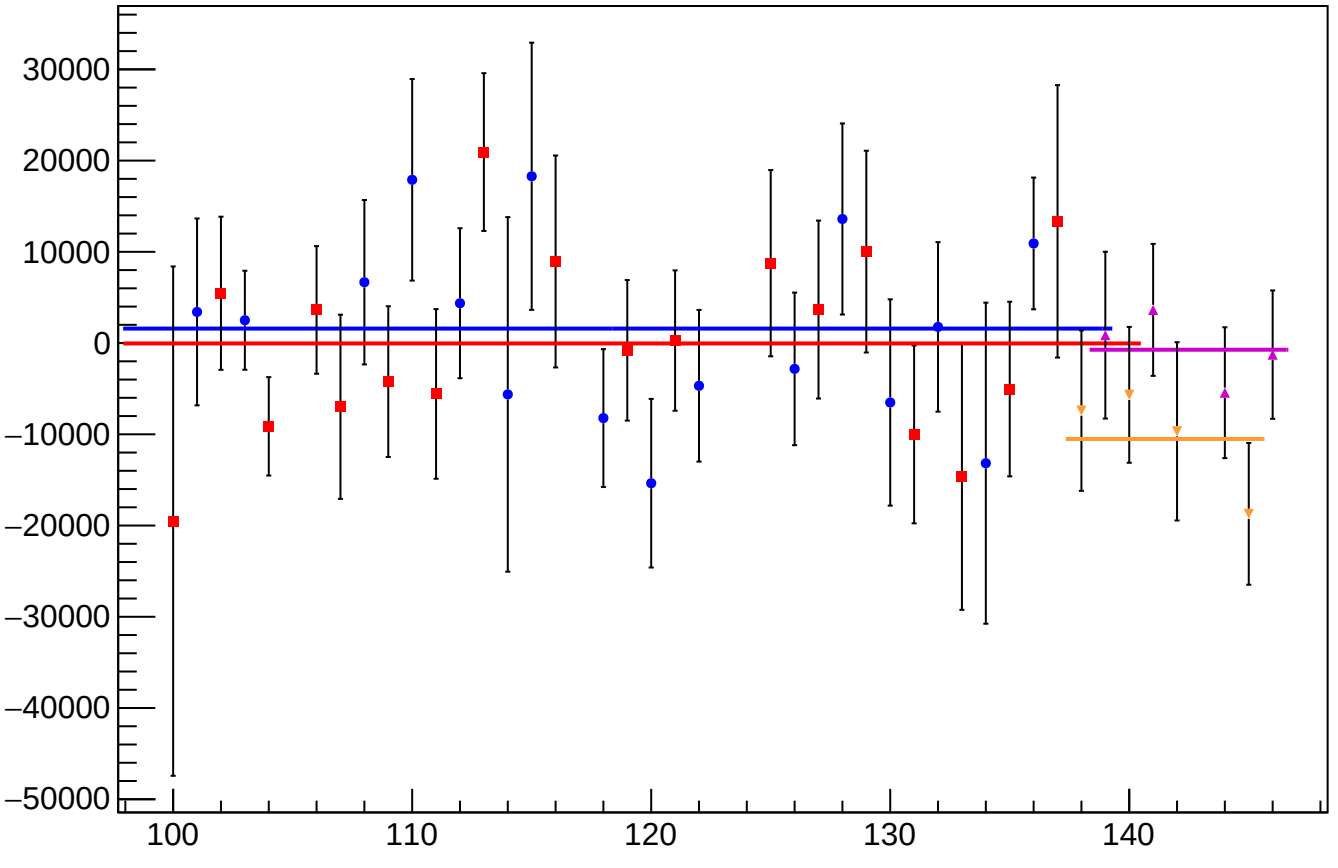
Left: 1803.245+/-0.504 χ^2/NDF: 34004.9/7

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1541.541+/-0.339 χ^2/NDF:764979.0/19

Out: 1519.494+/-0.345 χ^2/NDF:596441.8/21

All: 1530.730+/-0.242 χ^2/NDF: 1363500.5/41



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -10508.558+/-4151.530 χ^2/NDF:1.7/3

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -728.703+/-3760.577 χ^2/NDF:0.8/3

Left: -5136.566+/-2787.122 χ^2/NDF: 5.6/7

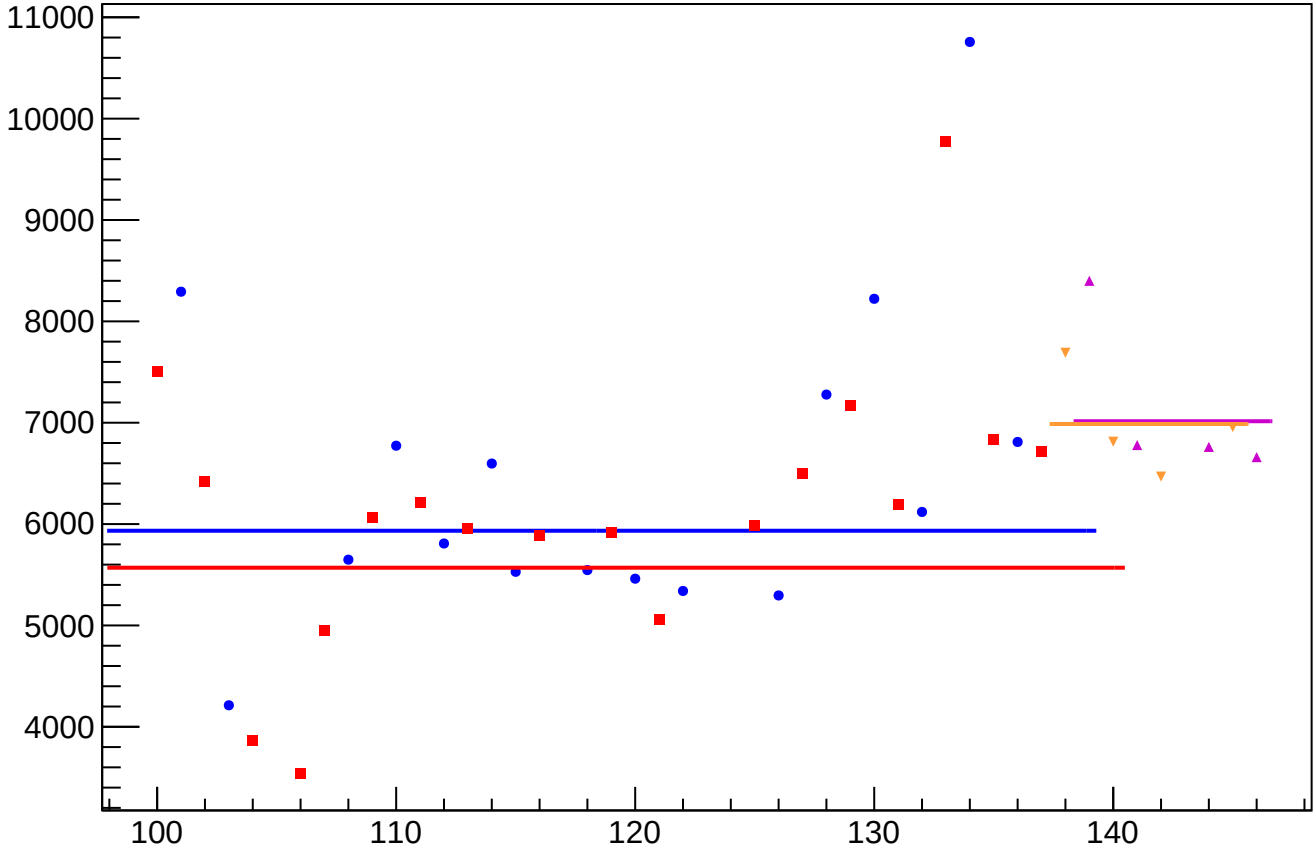
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 972.073+/-1939.784 χ^2/NDF:15.3/19

Out: -2226.889+/-1897.263 χ^2/NDF:23.2/21

All: -662.853+/-1356.351 χ^2/NDF: 39.9/41

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: 6987.416+/-2.936 χ^2/NDF:19550.8/3

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7014.764+/-2.659 χ^2/NDF:55578.6/3

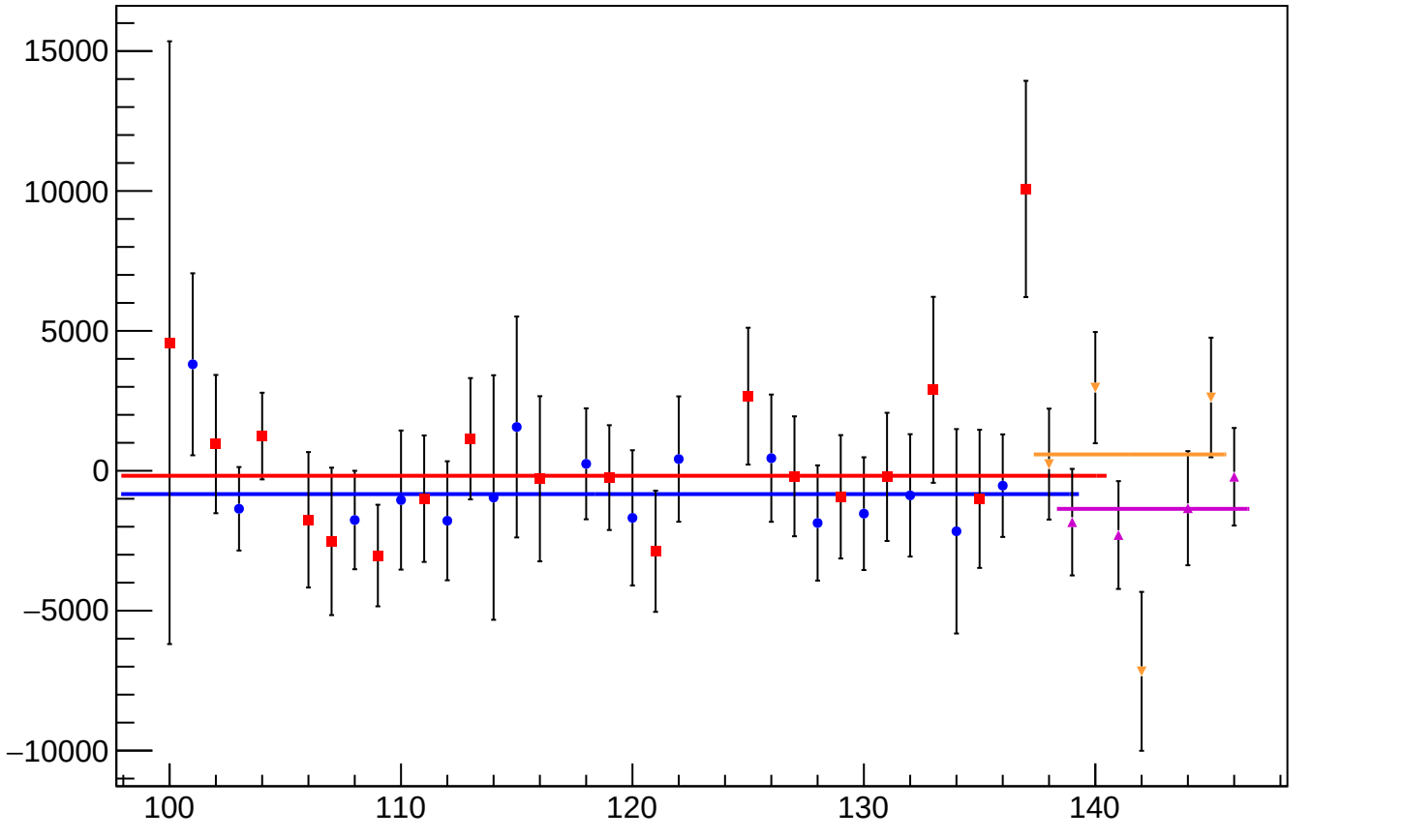
Left: 7002.438+/-1.971 χ^2/NDF: 75177.1/7

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6221.713+/-1.372 χ^2/NDF:829852.0/19

Out: 5865.719+/-1.342 χ^2/NDF:928146.8/21

All: 6039.772+/-0.959 χ^2/NDF: 1792425.9/41



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 584.918+/-1084.317 χ^2/NDF:9.8/3

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1360.679+/-947.256 χ^2/NDF:0.7/3

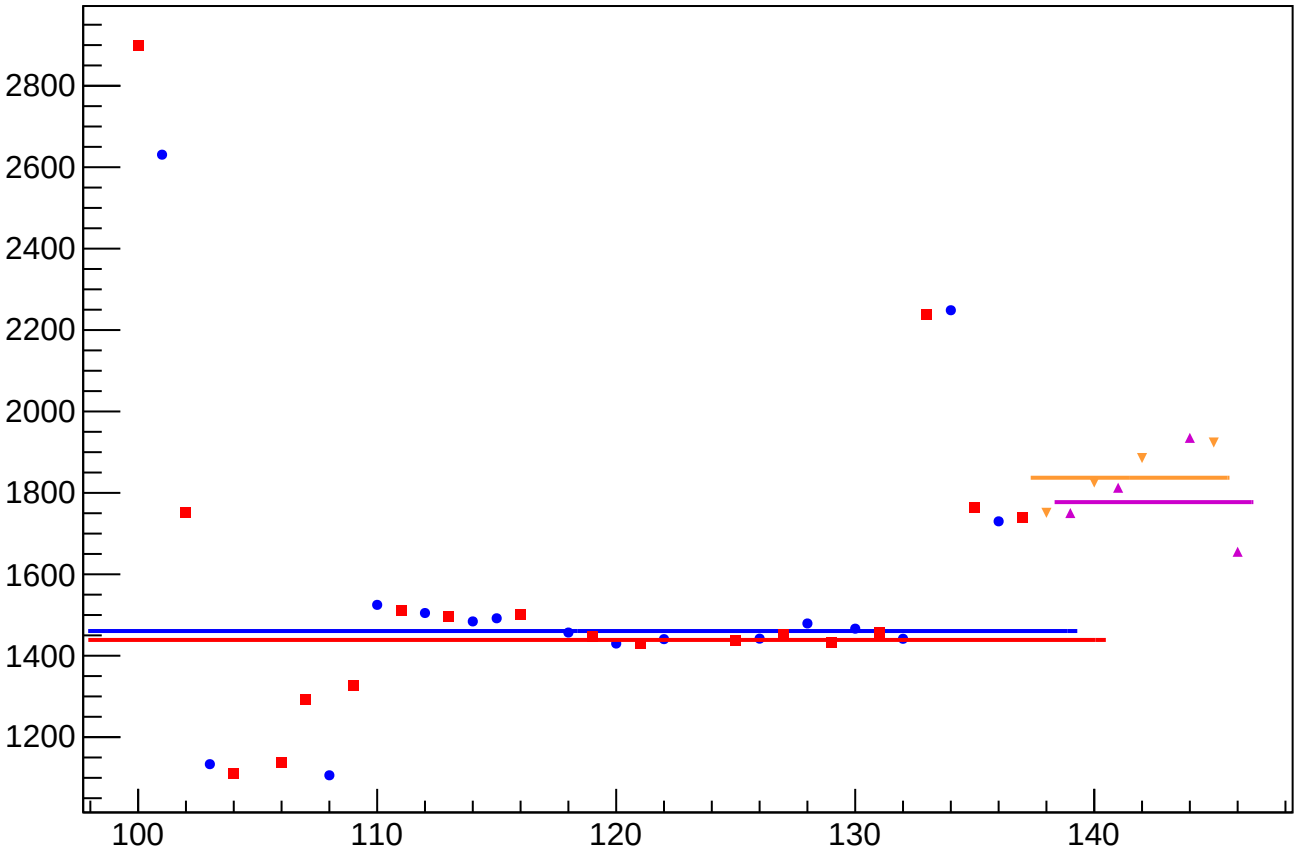
Left: -518.546+/-713.379 χ^2/NDF: 12.4/7

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -968.194+/-478.754 χ^2/NDF:5.6/19

Out: -22.968+/-488.962 χ^2/NDF:26.7/21

All: -505.551+/-342.082 χ^2/NDF: 34.2/41



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1837.223+/-0.767 χ^2/NDF:7709.9/3

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

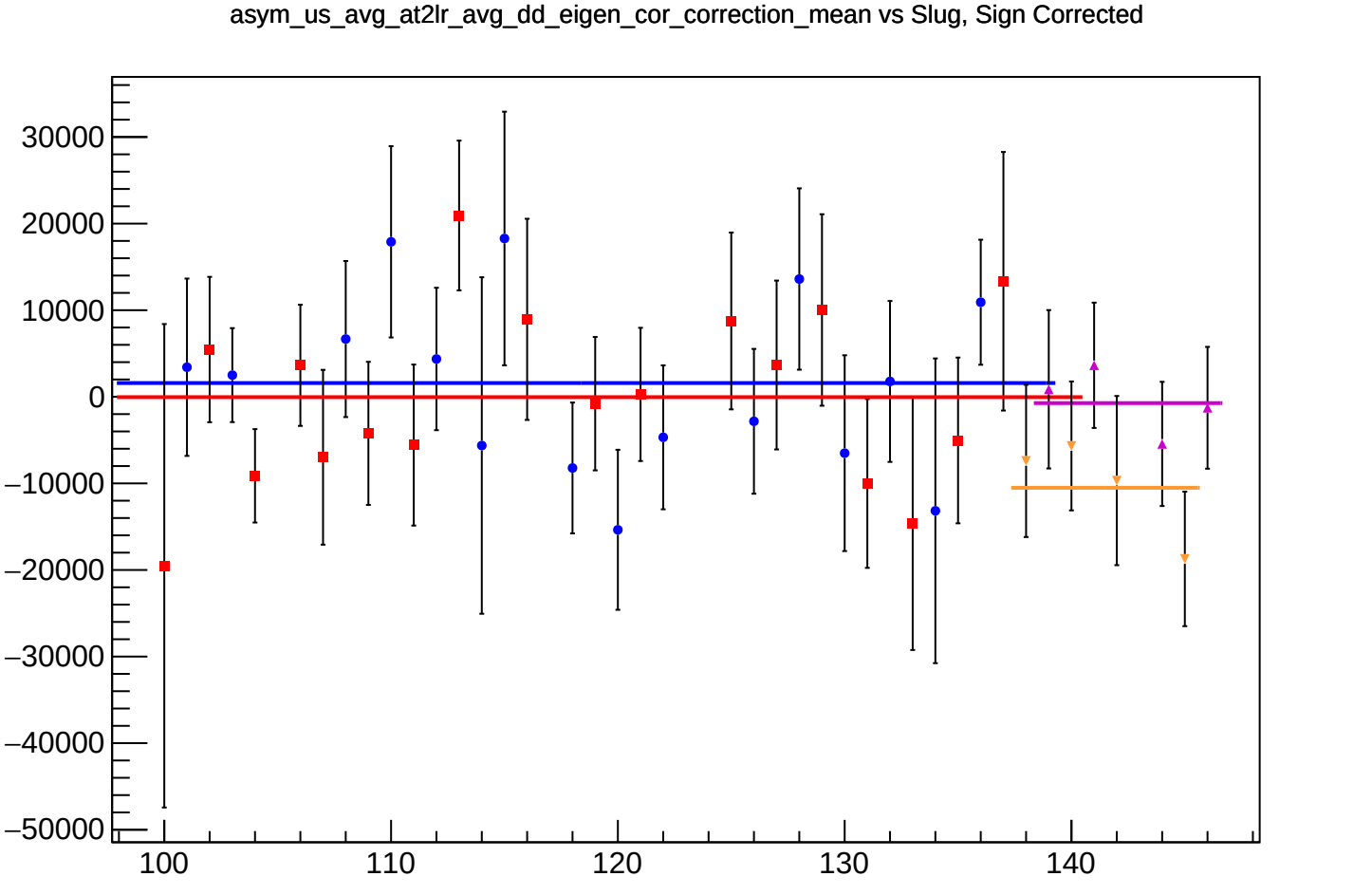
Left: 1803.245+/-0.504 χ^2/NDF: 34004.9/7

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1541.541+/-0.339 χ^2/NDF:764979.0/19

Out: 1519.494+/-0.345 χ^2/NDF:596441.8/21

All: 1530.730+/-0.242 χ^2/NDF: 1363500.5/41



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -10508.558+/-4151.530 χ^2/NDF:1.7/3

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -728.703+/-3760.577 χ^2/NDF:0.8/3

Left: -5136.566+/-2787.122 χ^2/NDF: 5.6/7

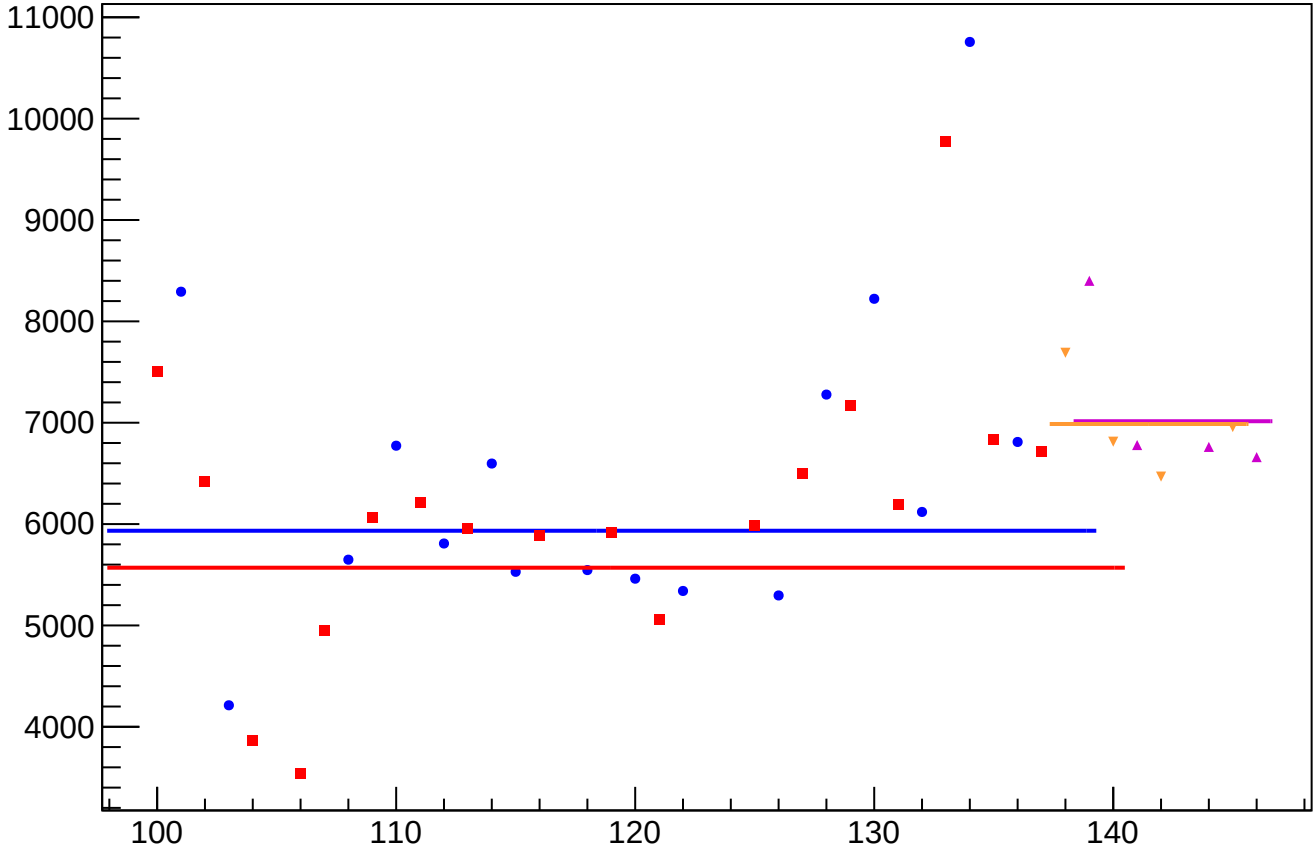
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 972.073+/-1939.784 χ^2/NDF:15.3/19

Out: -2226.889+/-1897.263 χ^2/NDF:23.2/21

All: -662.853+/-1356.351 χ^2/NDF: 39.9/41

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6987.416+/-2.936 χ^2/NDF:19550.8/3

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7014.764+/-2.659 χ^2/NDF:55578.6/3

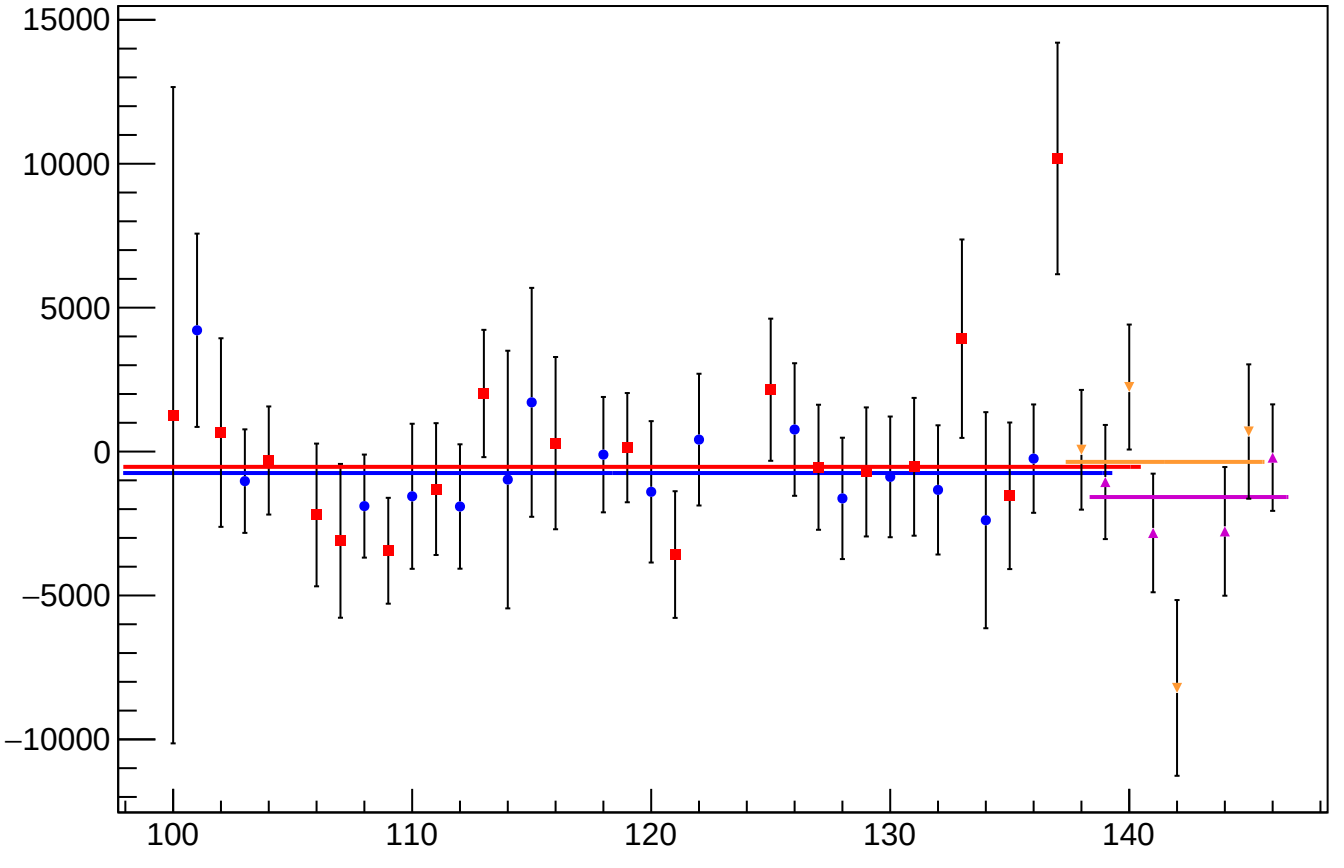
Left: 7002.438+/-1.971 χ^2/NDF: 75177.1/7

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6221.713+/-1.372 χ^2/NDF:829852.0/19

Out: 5865.719+/-1.342 χ^2/NDF:928146.8/21

All: 6039.772+/-0.959 χ^2/NDF: 1792425.9/41



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: -358.668+/-1167.135 χ^2/NDF:8.3/3

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -1579.609+/-1009.094 χ^2/NDF:1.3/3

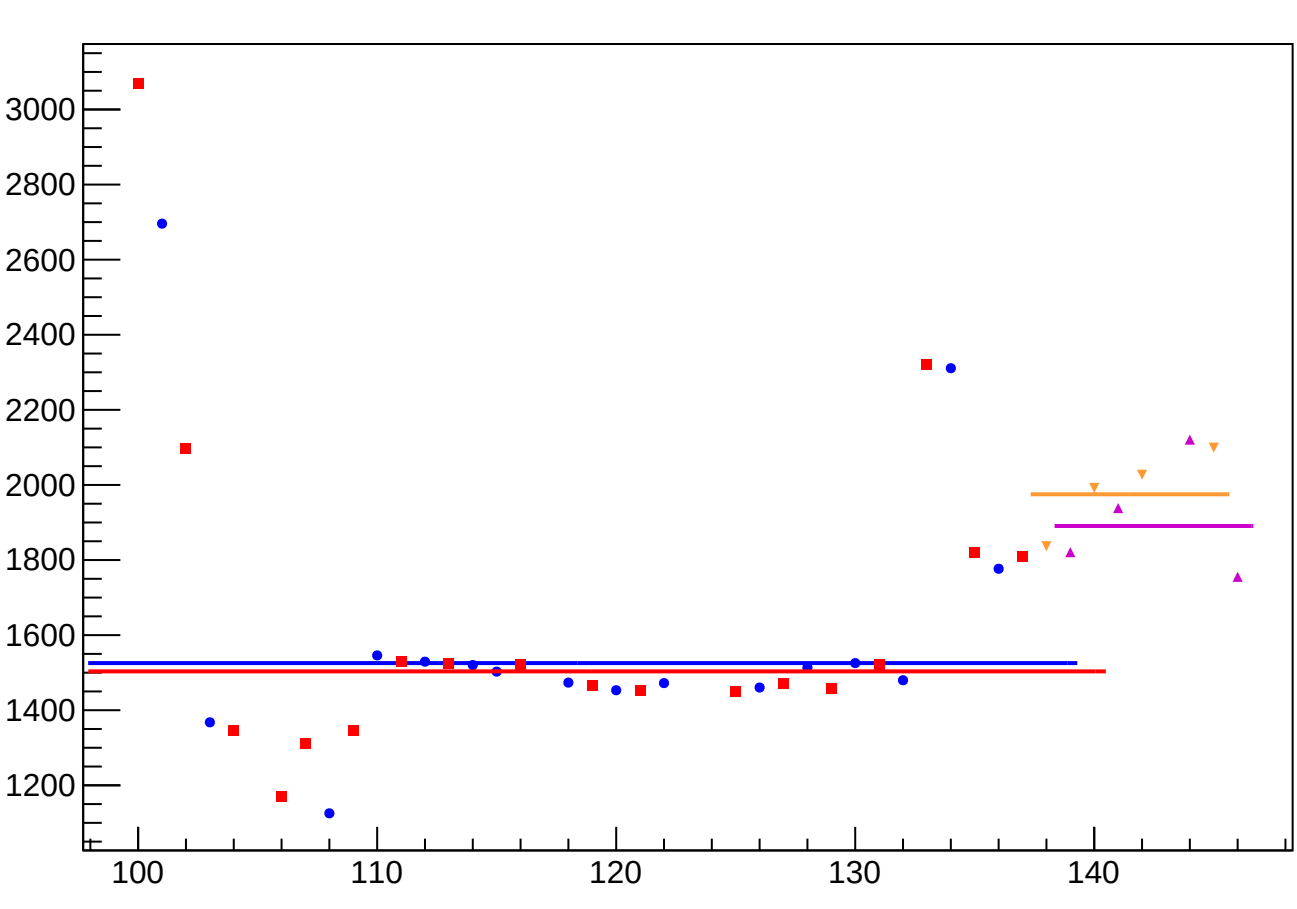
Left: -1057.340+/-763.345 χ^2/NDF: 10.2/7

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -951.907+/-501.596 χ^2/NDF:6.5/19

Out: -497.566+/-515.884 χ^2/NDF:26.0/21

All: -731.115+/-359.627 χ^2/NDF: 33.0/41



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1975.095+/-0.825 χ^2/NDF:15207.6/3

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1890.673+/-0.714 χ^2/NDF:35424.1/3

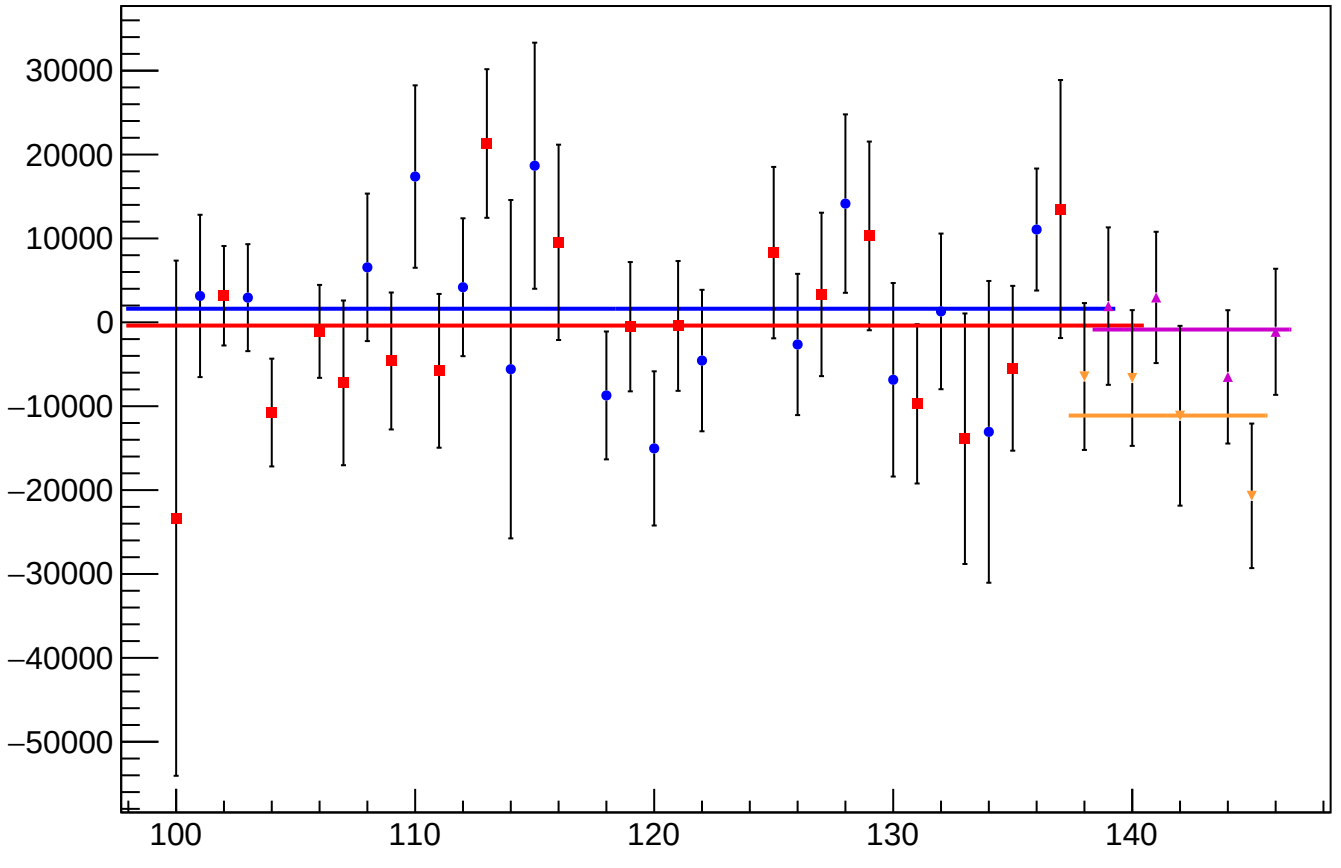
Left: 1926.785+/-0.540 χ^2/NDF: 56619.5/7

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1615.756+/-0.355 χ^2/NDF:720915.6/19

Out: 1595.540+/-0.365 χ^2/NDF:616554.4/21

All: 1605.929+/-0.254 χ^2/NDF: 1339049.0/41



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -11113.752+/-4450.007 χ^2/NDF:1.8/3

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -857.706+/-4041.644 χ^2/NDF:0.8/3

Left: -5493.655+/-2991.851 χ^2/NDF: 5.6/7

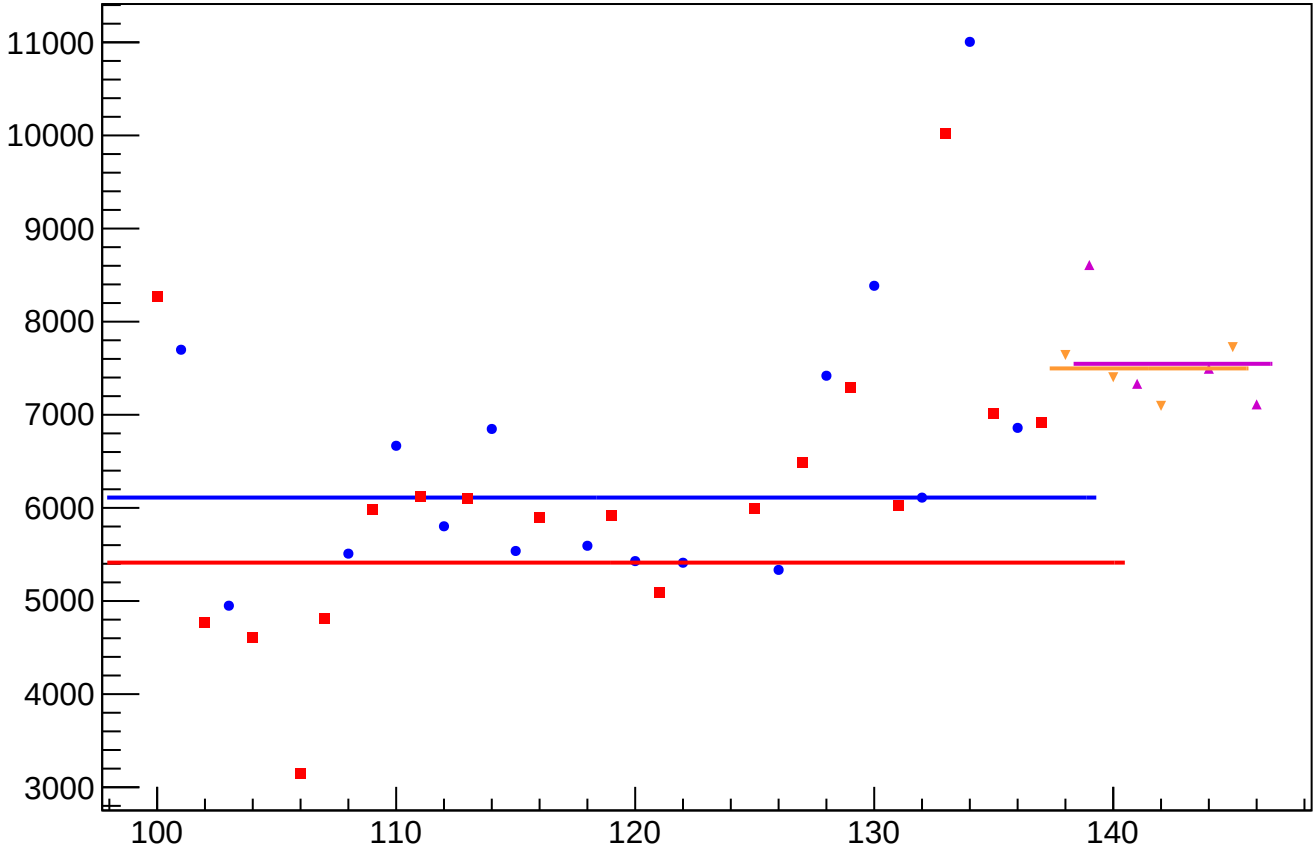
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 1005.957+/-2012.092 χ^2/NDF:15.4/19

Out: -2280.469+/-1870.060 χ^2/NDF:22.6/21

All: -757.332+/-1369.794 χ^2/NDF: 39.4/41

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: 7497.856+/-3.147 χ^2/NDF:5035.2/3

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7547.372+/-2.858 χ^2/NDF:33872.0/3

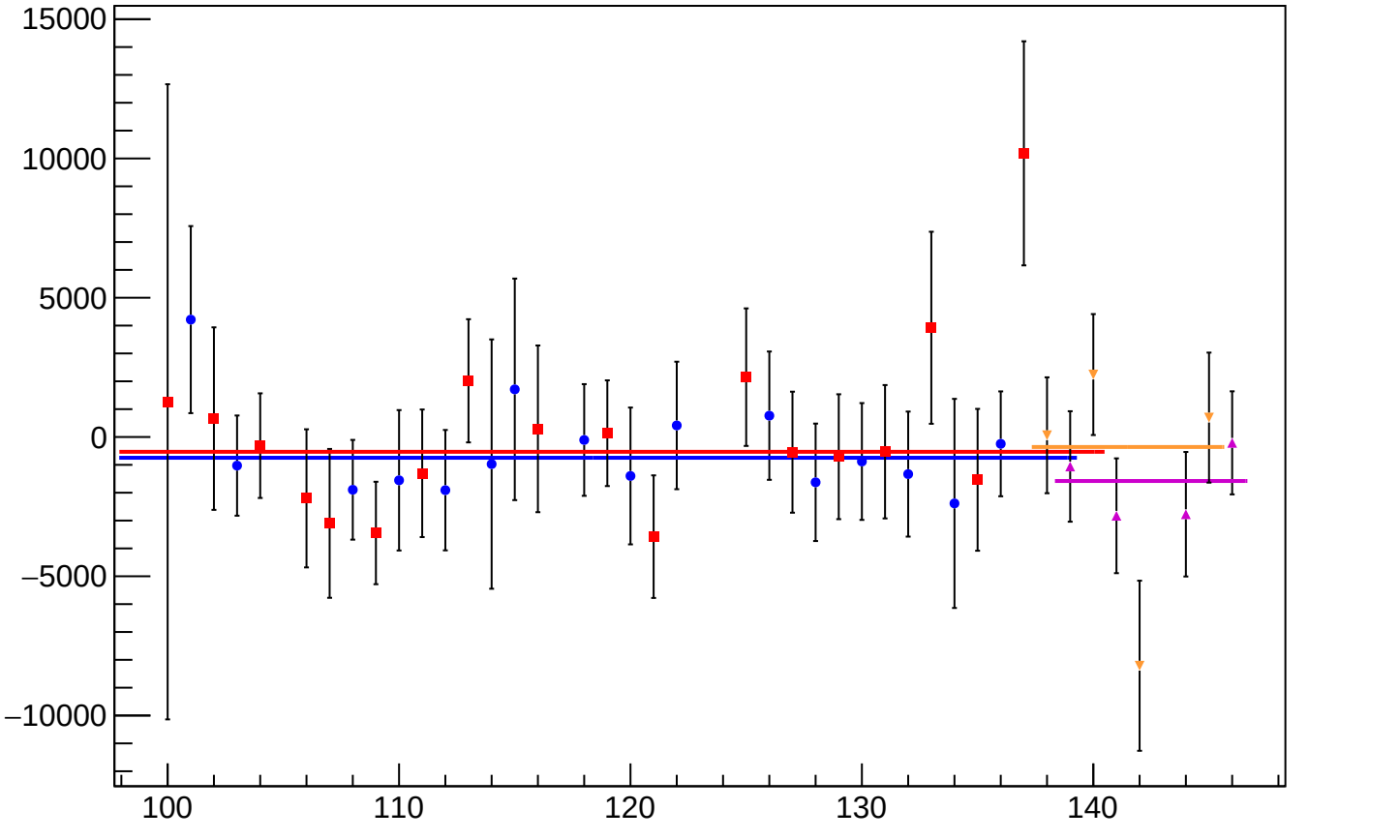
Left: 7524.990+/-2.116 χ^2/NDF: 39042.9/7

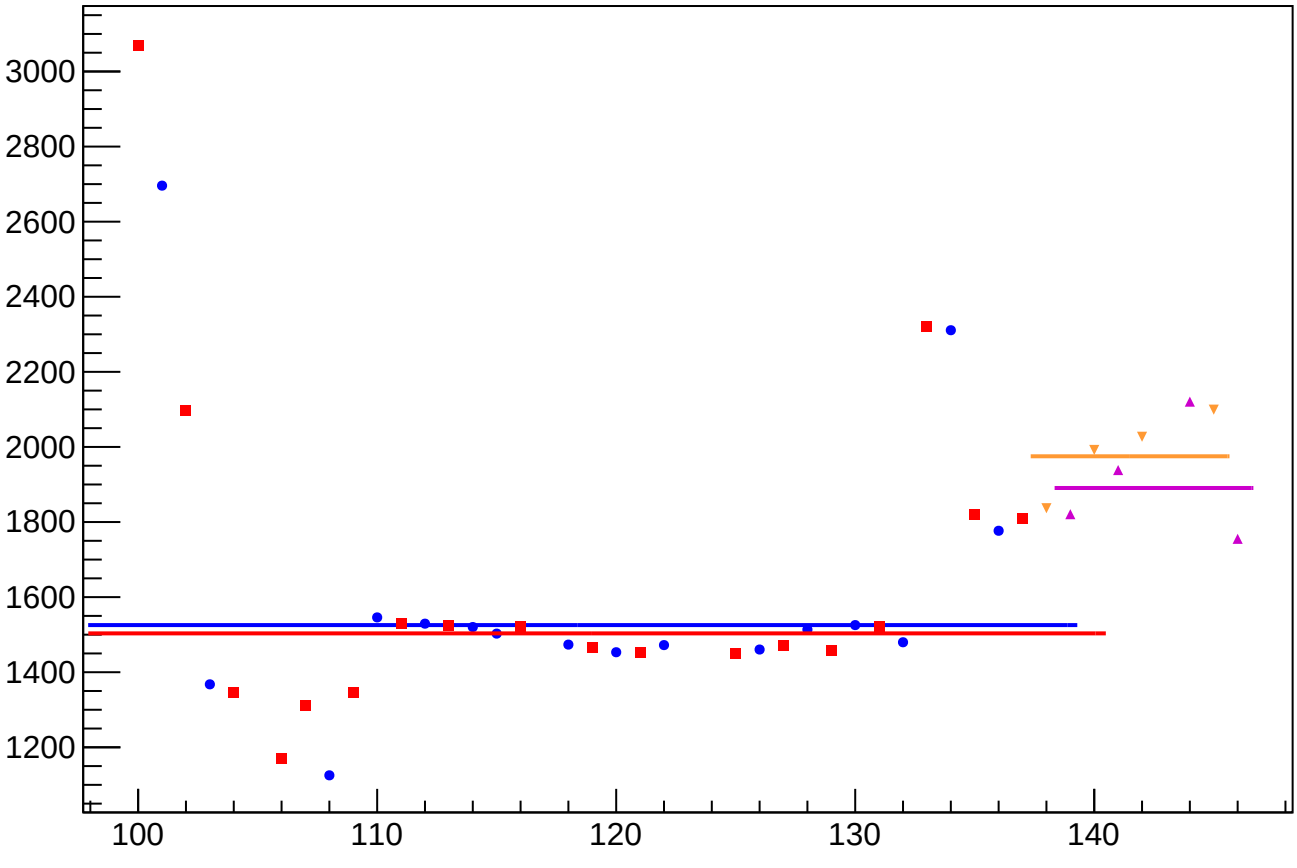
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6467.025+/-1.423 χ^2/NDF:695524.5/19

Out: 5780.589+/-1.322 χ^2/NDF:1188286.1/21

All: 6098.726+/-0.969 χ^2/NDF: 2008702.5/41


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: -358.694+/-1167.137 χ²/NDF:8.3/3
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1579.604+/-1009.096 χ²/NDF:1.3/3
Left: -1057.348+/-763.346 χ²/NDF: 10.2/7
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -951.908+/-501.596 χ²/NDF:6.5/19
Out: -497.580+/-515.884 χ²/NDF:26.0/21
All: -731.123+/-359.627 χ²/NDF: 33.0/41



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1975.097+/-0.825 χ^2/NDF:15208.1/3

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1890.676+/-0.714 χ^2/NDF:35424.0/3

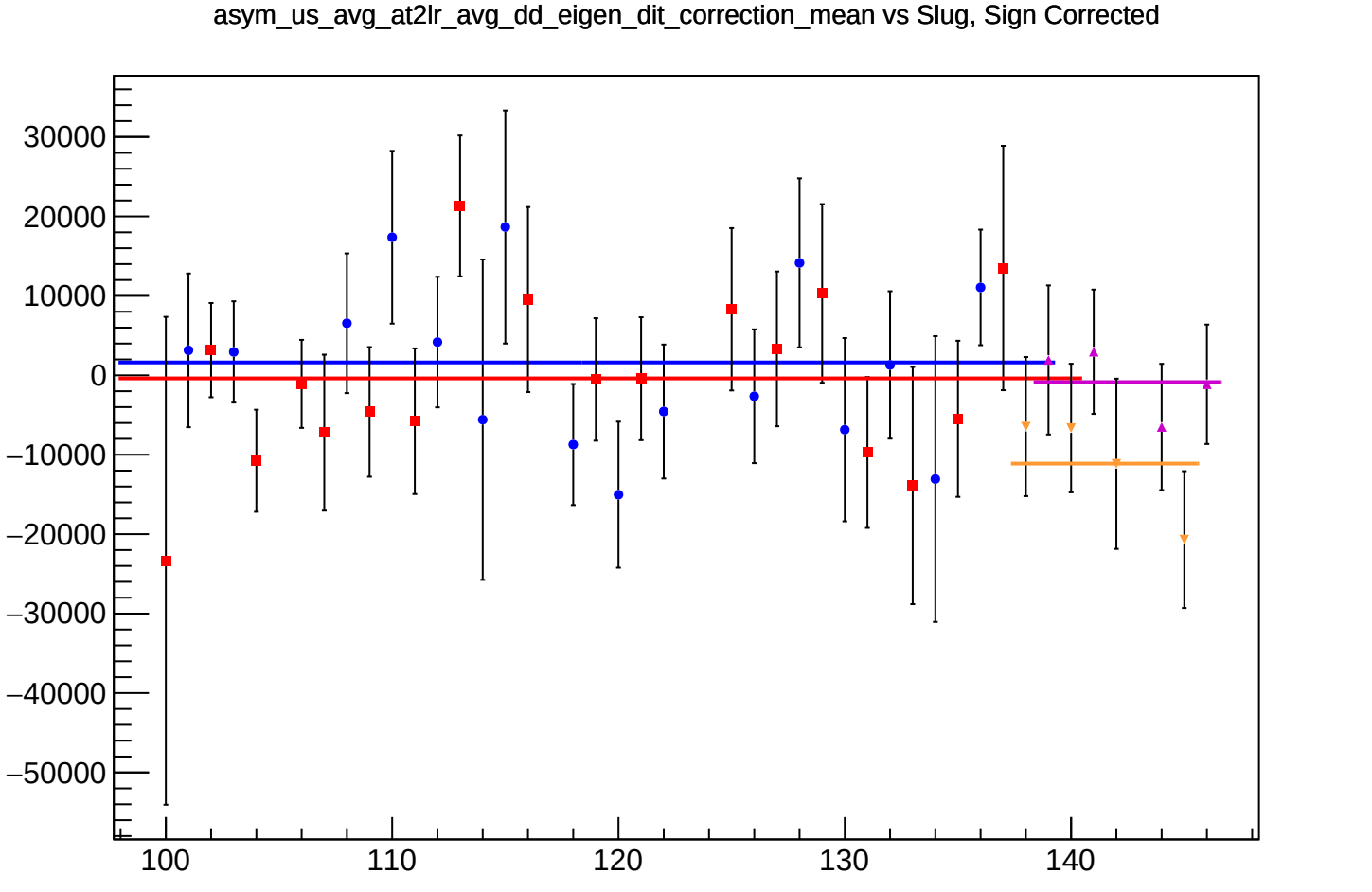
Left: 1926.788+/-0.540 χ^2/NDF: 56619.8/7

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1615.756+/-0.355 χ^2/NDF:720917.6/19

Out: 1595.541+/-0.365 χ^2/NDF:616557.4/21

All: 1605.930+/-0.254 χ^2/NDF: 1339054.0/41



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -11113.782+/-4450.015 χ^2/NDF:1.8/3

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -857.698+/-4041.651 χ^2/NDF:0.8/3

Left: -5493.663+/-2991.856 χ^2/NDF: 5.6/7

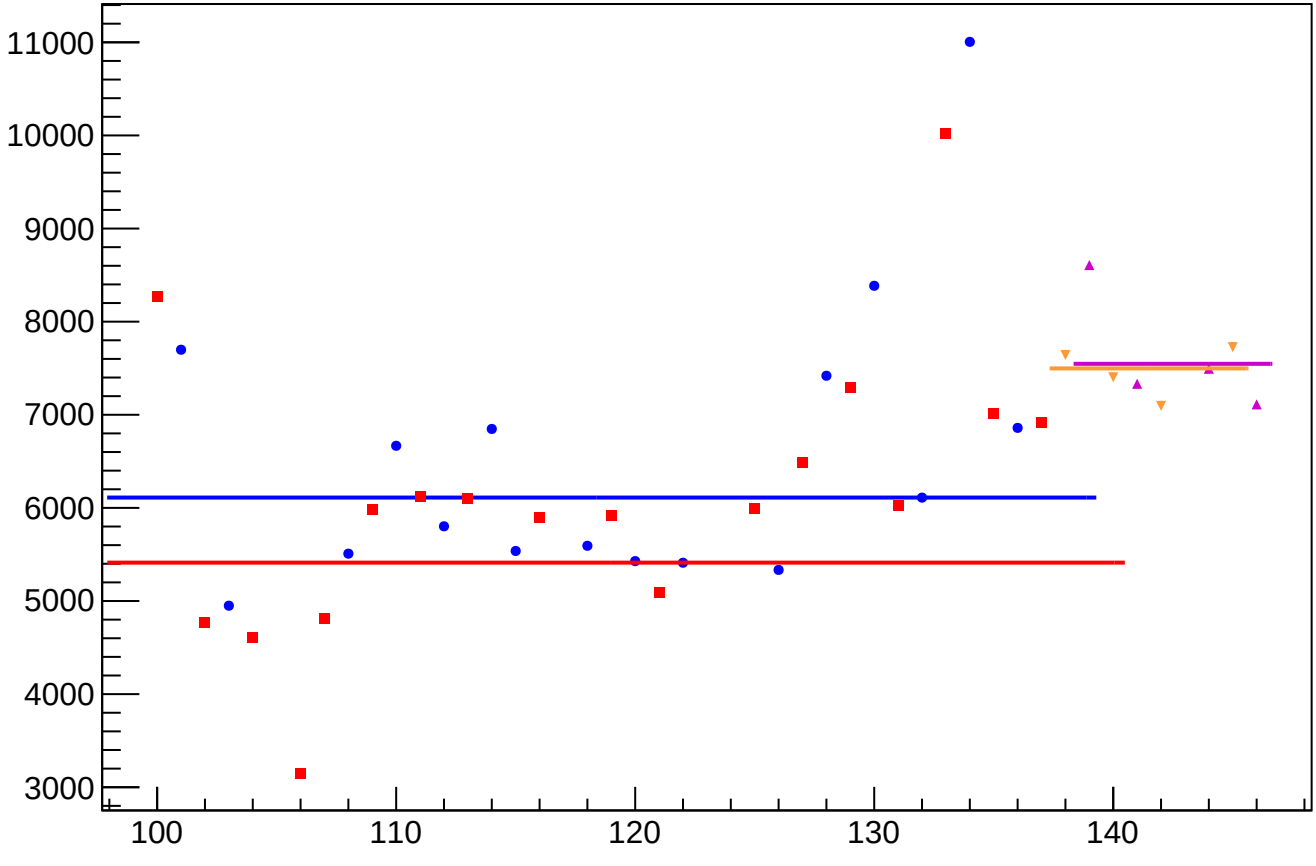
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 1005.948+/-2012.089 χ^2/NDF:15.4/19

Out: -2280.468+/-1870.058 χ^2/NDF:22.6/21

All: -757.336+/-1369.793 χ^2/NDF: 39.4/41

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: 7497.869+/-3.147 χ^2/NDF:5035.4/3

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7547.384+/-2.858 χ^2/NDF:33872.5/3

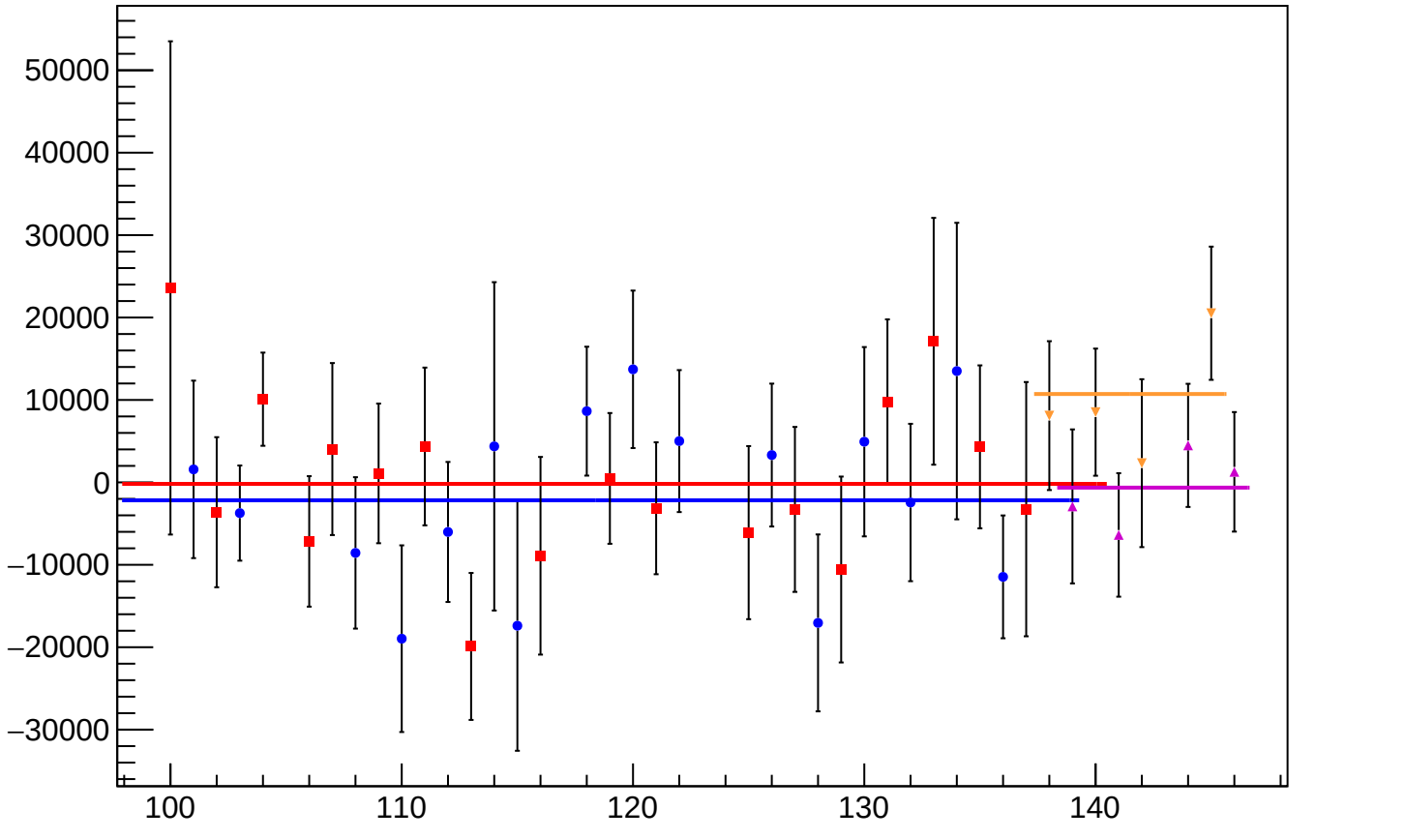
Left: 7525.002+/-2.116 χ^2/NDF: 39043.6/7

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6467.015+/-1.423 χ^2/NDF:695533.6/19

Out: 5780.579+/-1.322 χ^2/NDF:1188294.3/21

All: 6098.717+/-0.969 χ^2/NDF: 2008720.1/41



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 10720.774+/-4302.273 χ^2/NDF:2.3/3

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: -637.907+/-3886.815 χ^2/NDF:1.2/3

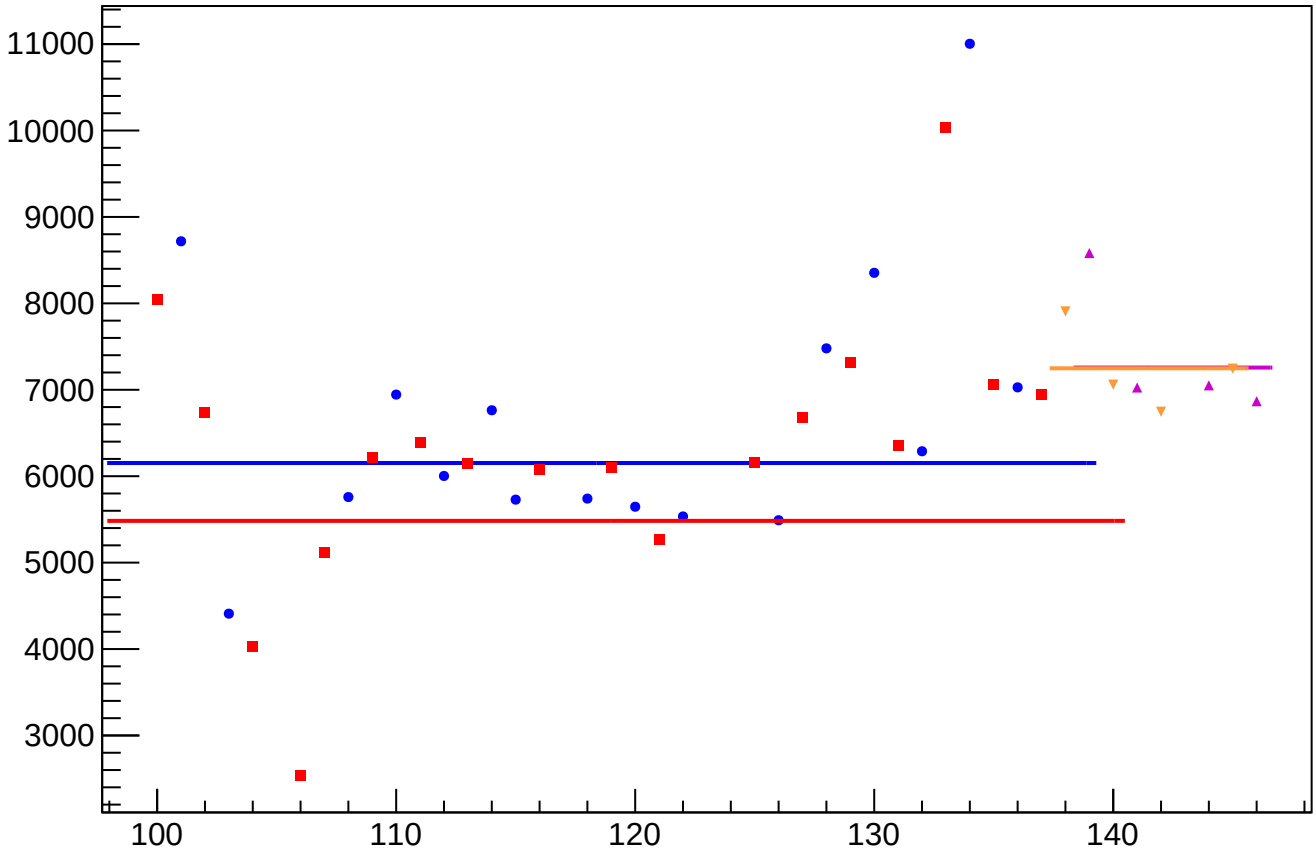
Left: 4466.651+/-2884.118 χ^2/NDF: 7.3/7

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -1763.429+/-2009.544 χ^2/NDF:15.9/19

Out: 2123.838+/-1979.063 χ^2/NDF:22.0/21

All: 209.909+/-1410.062 χ^2/NDF: 39.8/41



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7248.671+/-3.042 χ^2/NDF:16702.5/3

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7256.907+/-2.748 χ^2/NDF:49449.7/3

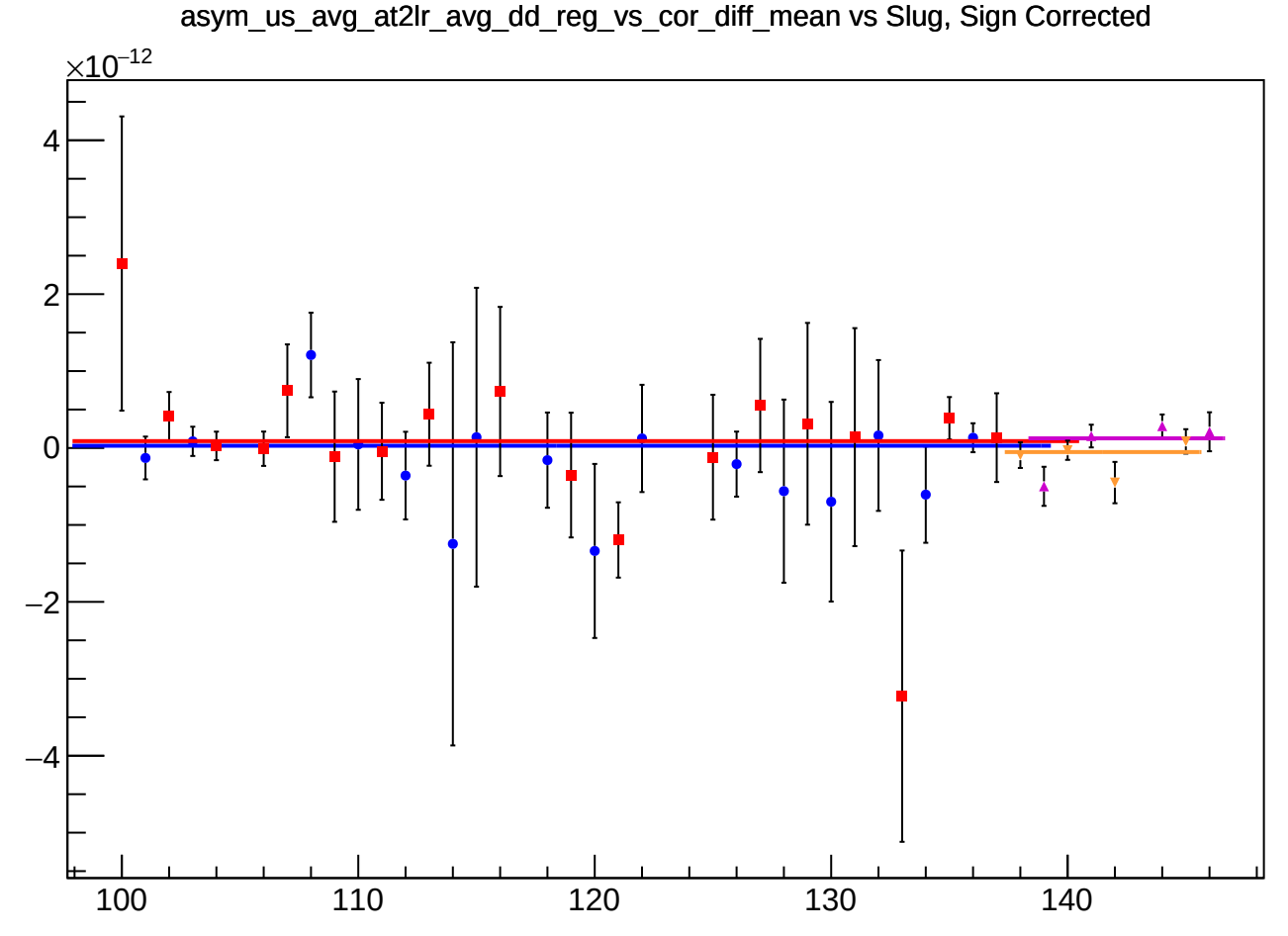
Left: 7253.206+/-2.039 χ^2/NDF: 66156.3/7

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6447.850+/-1.421 χ^2/NDF:791746.8/19

Out: 5835.801+/-1.359 χ^2/NDF:1434918.0/21

All: 6128.267+/-0.982 χ^2/NDF: 2323539.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:7.3/3

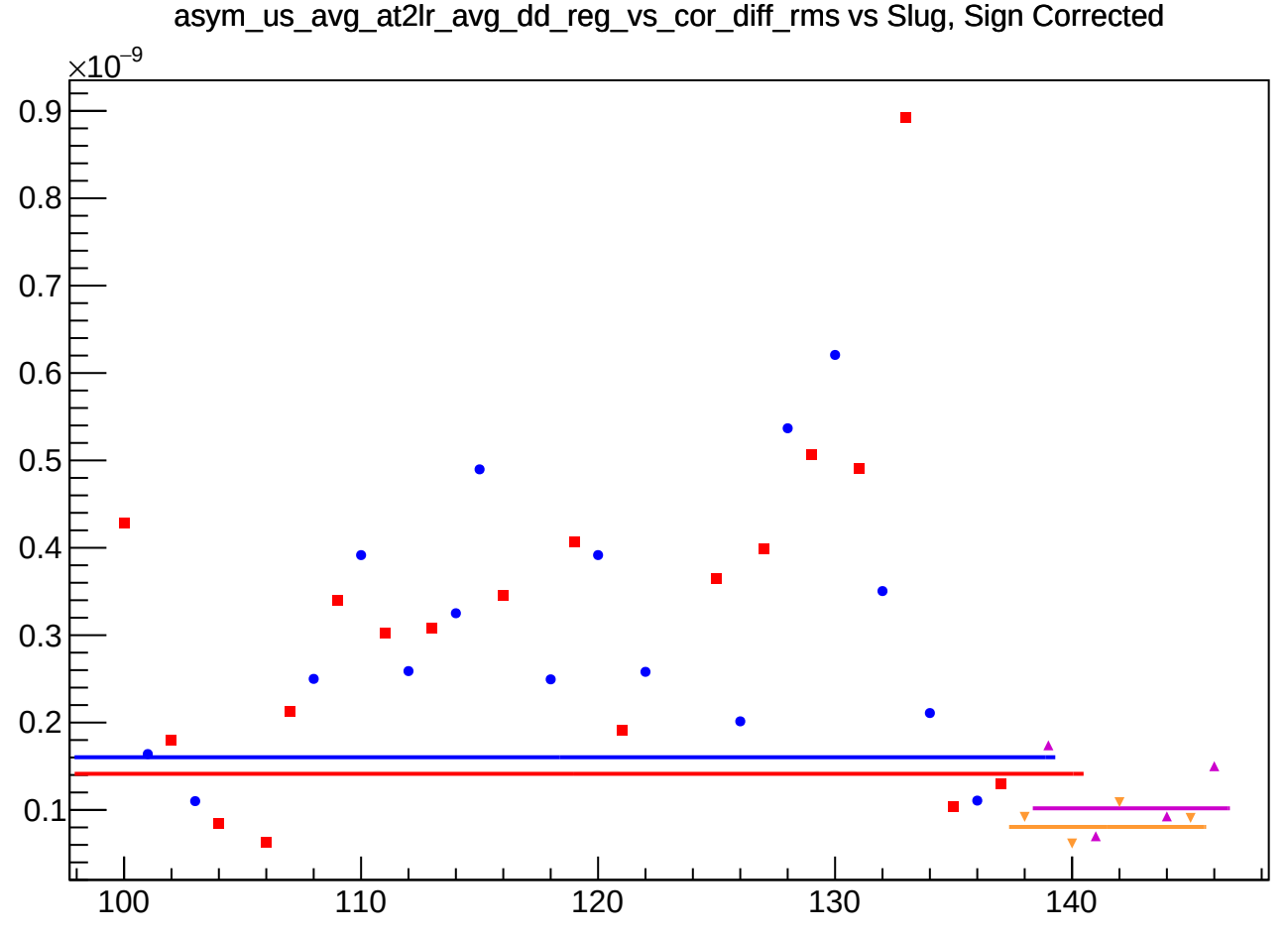
Left: 0.000+/-0.000 χ^2/NDF: 12.5/7

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:17.3/19

Out: 0.000+/-0.000 χ^2/NDF:20.7/21

All: 0.000+/-0.000 χ^2/NDF: 38.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:86459.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:334614.2/3

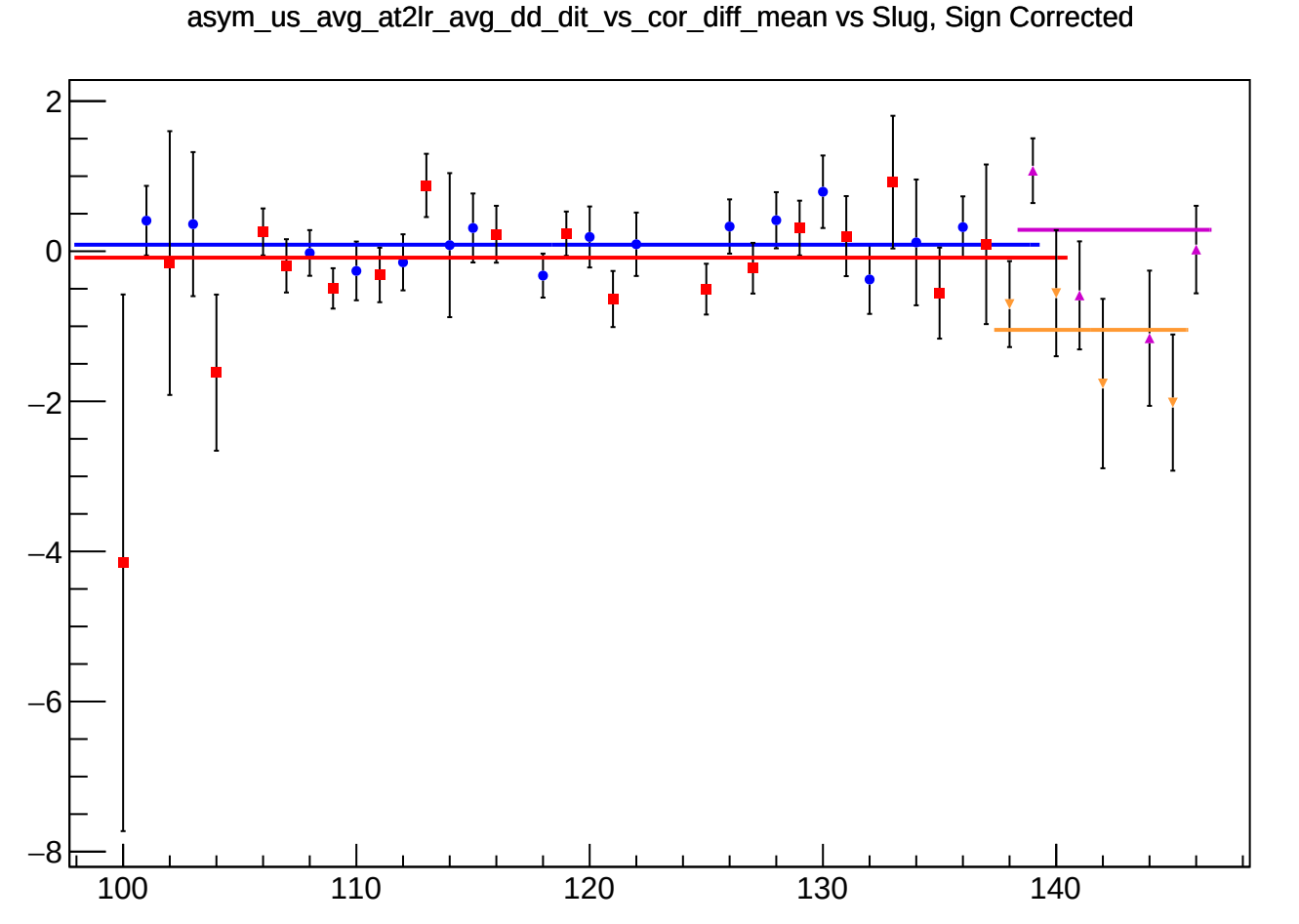
Left: 0.000+/-0.000 χ^2/NDF: 482515.8/7

Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2022995.0/19

Out: 0.000+/-0.000 χ^2/NDF:2686733.2/21

All: 0.000+/-0.000 χ^2/NDF: 4837015.1/41



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -1.048+/-0.393 χ^2/NDF:2.2/3

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.285+/-0.295 χ^2/NDF:7.6/3

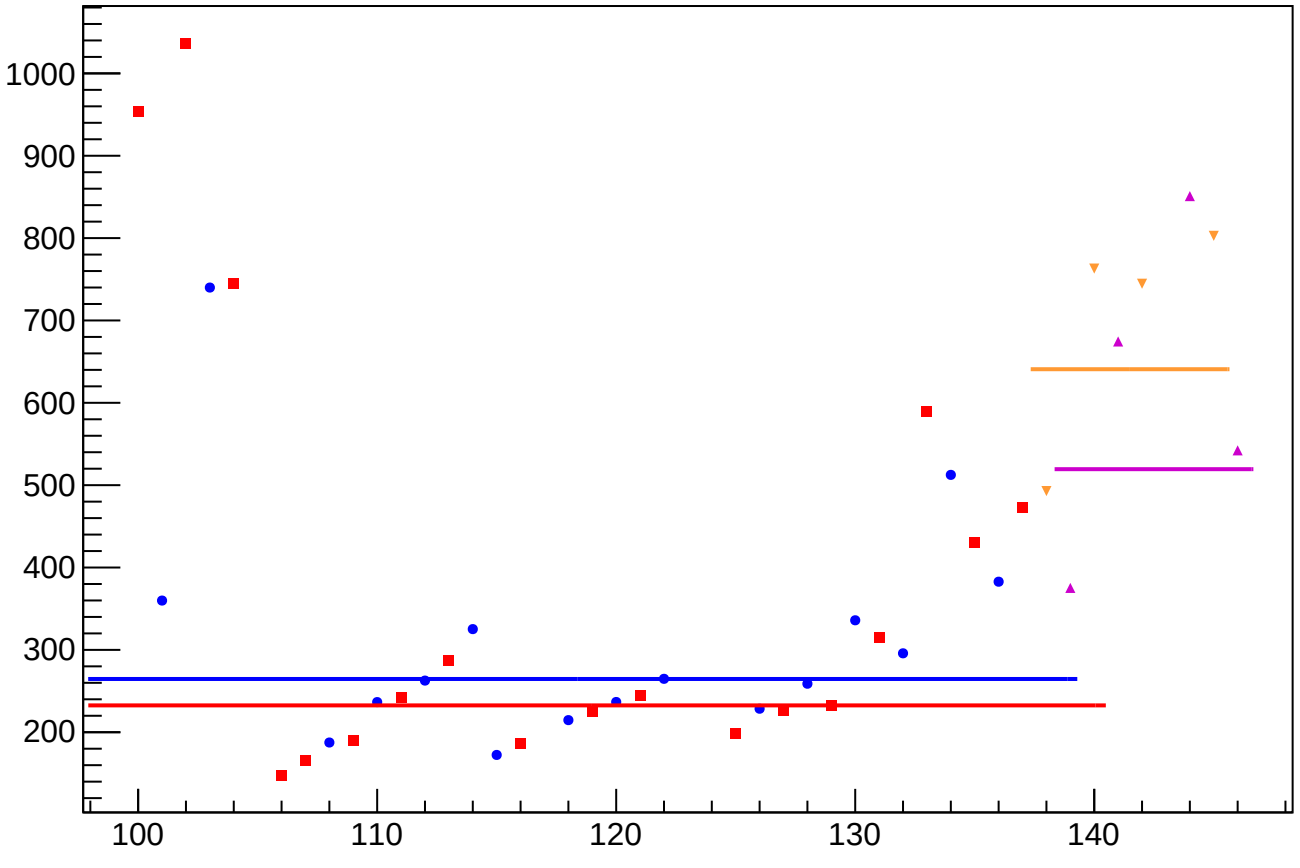
Left: -0.195+/-0.236 χ^2/NDF: 17.2/7

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.109+/-0.099 χ^2/NDF:16.8/19

Out: -0.141+/-0.094 χ^2/NDF:29.7/21

All: -0.022+/-0.068 χ^2/NDF: 49.9/41



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 640.795+/-0.278 χ^2/NDF:256411.8/3

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 519.421+/-0.209 χ^2/NDF:590313.5/3

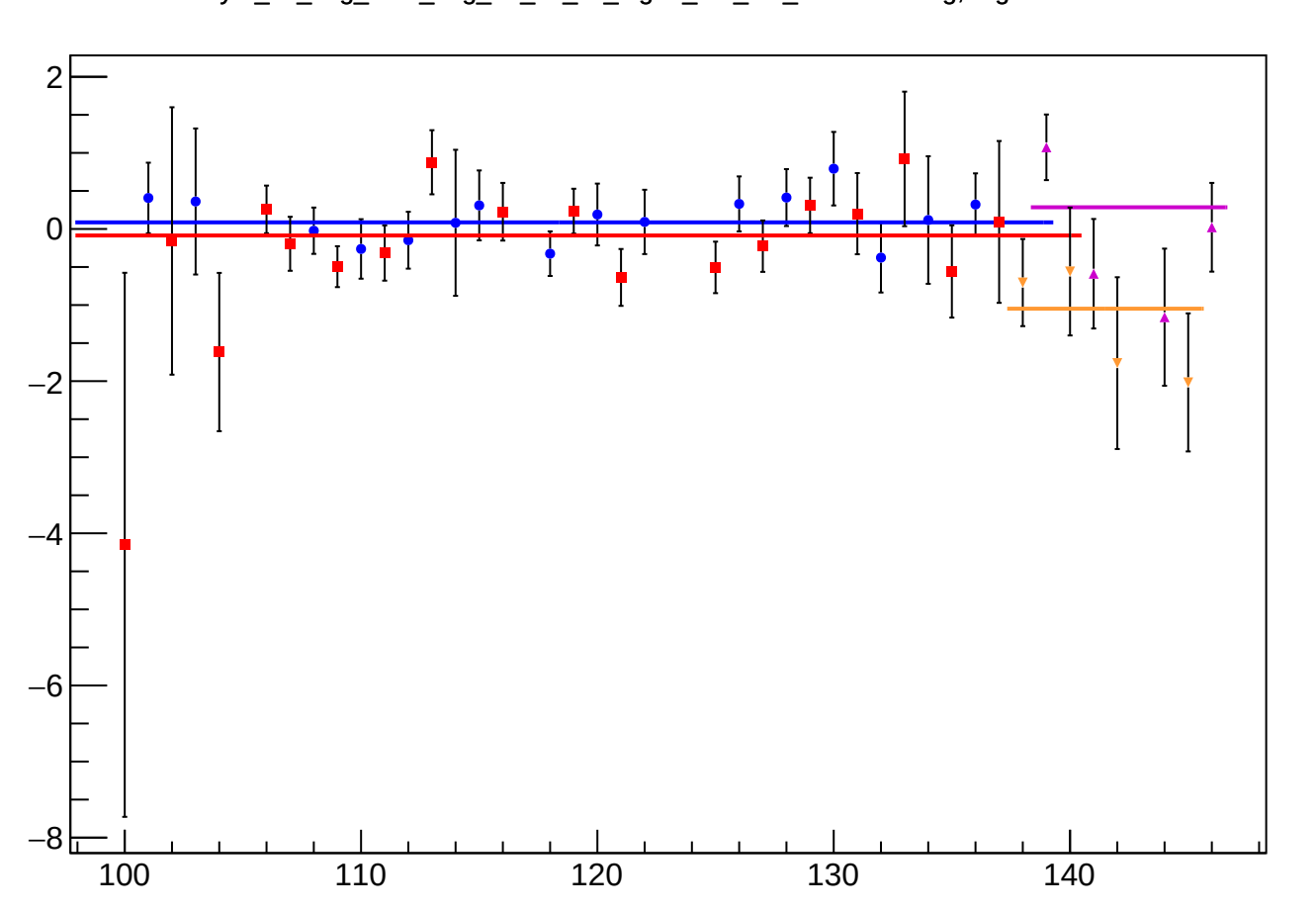
Left: 563.144+/-0.167 χ^2/NDF: 968565.8/7

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 293.325+/-0.070 χ^2/NDF:3196724.4/19

Out: 256.152+/-0.067 χ^2/NDF:4318848.9/21

All: 273.873+/-0.048 χ^2/NDF: 7663150.4/41



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -1.048+/-0.393 χ^2/NDF:2.2/3

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.285+/-0.295 χ^2/NDF:7.6/3

Left: -0.195+/-0.236 χ^2/NDF: 17.2/7

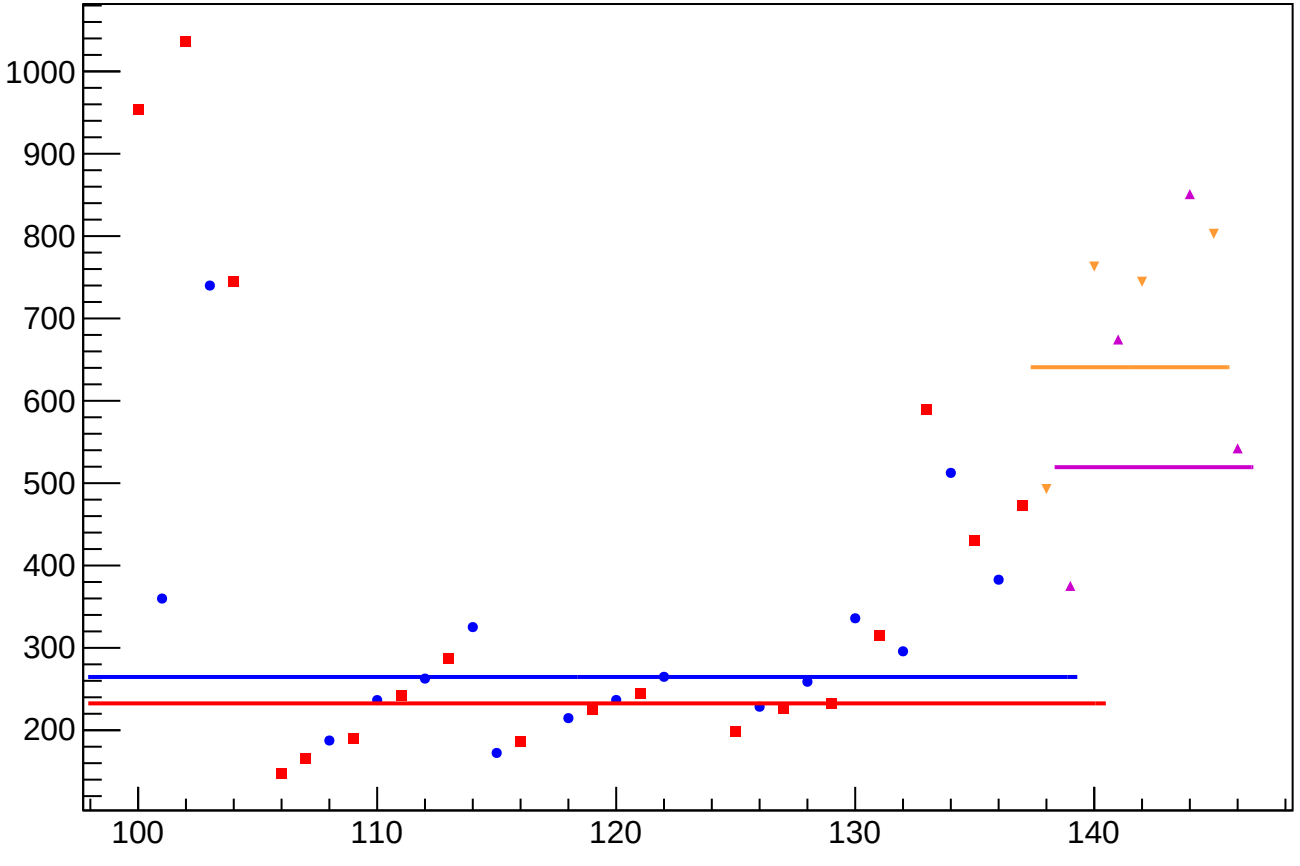
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.109+/-0.099 χ^2/NDF:16.8/19

Out: -0.141+/-0.094 χ^2/NDF:29.7/21

All: -0.022+/-0.068 χ^2/NDF: 49.9/41

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 640.795+/-0.278 χ^2/NDF:256411.8/3

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 519.421+/-0.209 χ^2/NDF:590313.5/3

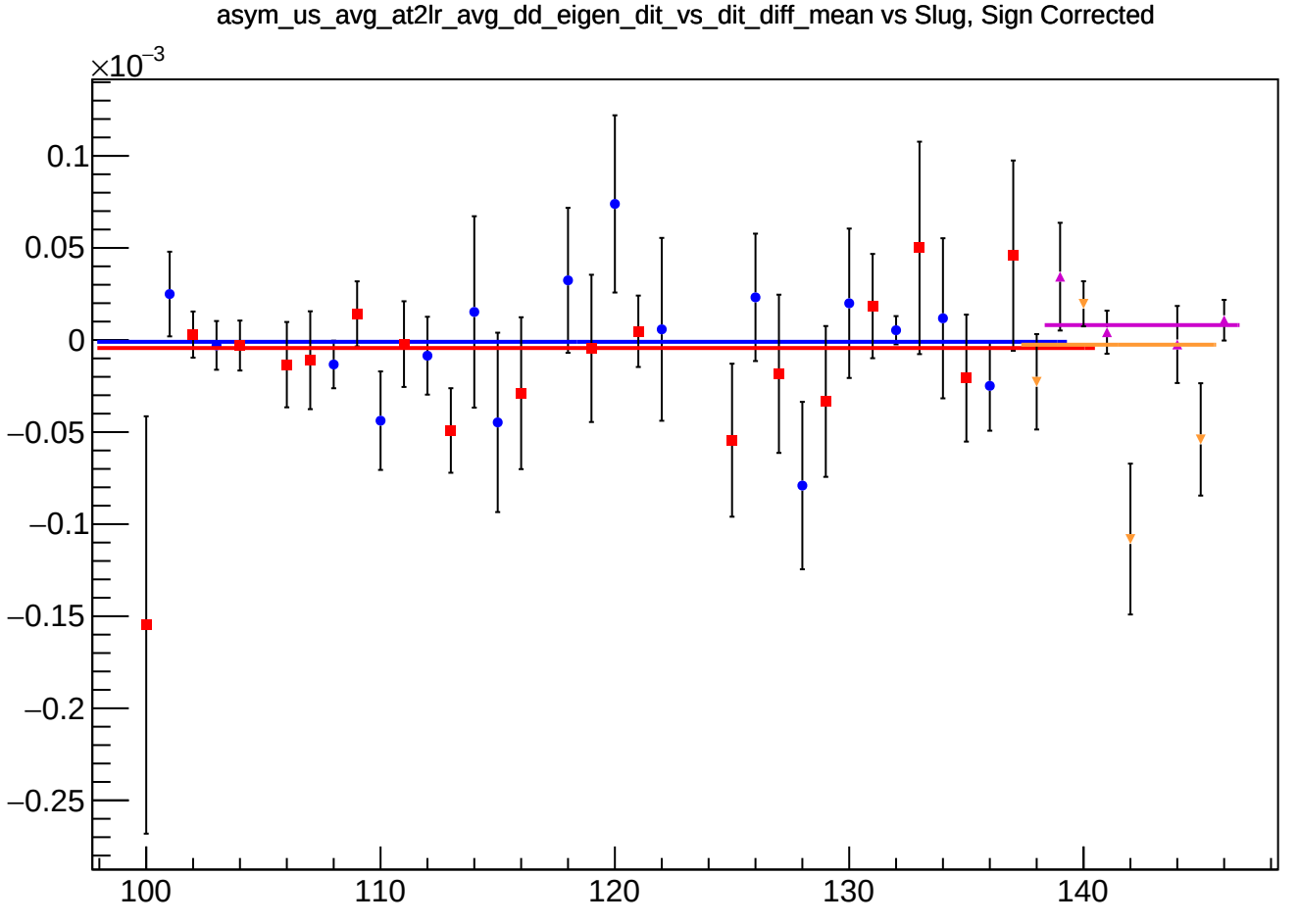
Left: 563.144+/-0.167 χ^2/NDF: 968565.8/7

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 293.325+/-0.070 χ^2/NDF:3196724.4/19

Out: 256.152+/-0.067 χ^2/NDF:4318848.9/21

All: 273.873+/-0.048 χ^2/NDF: 7663150.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/3

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1.2/3

Left: 0.000+/-0.000 χ^2/NDF: 15.3/7

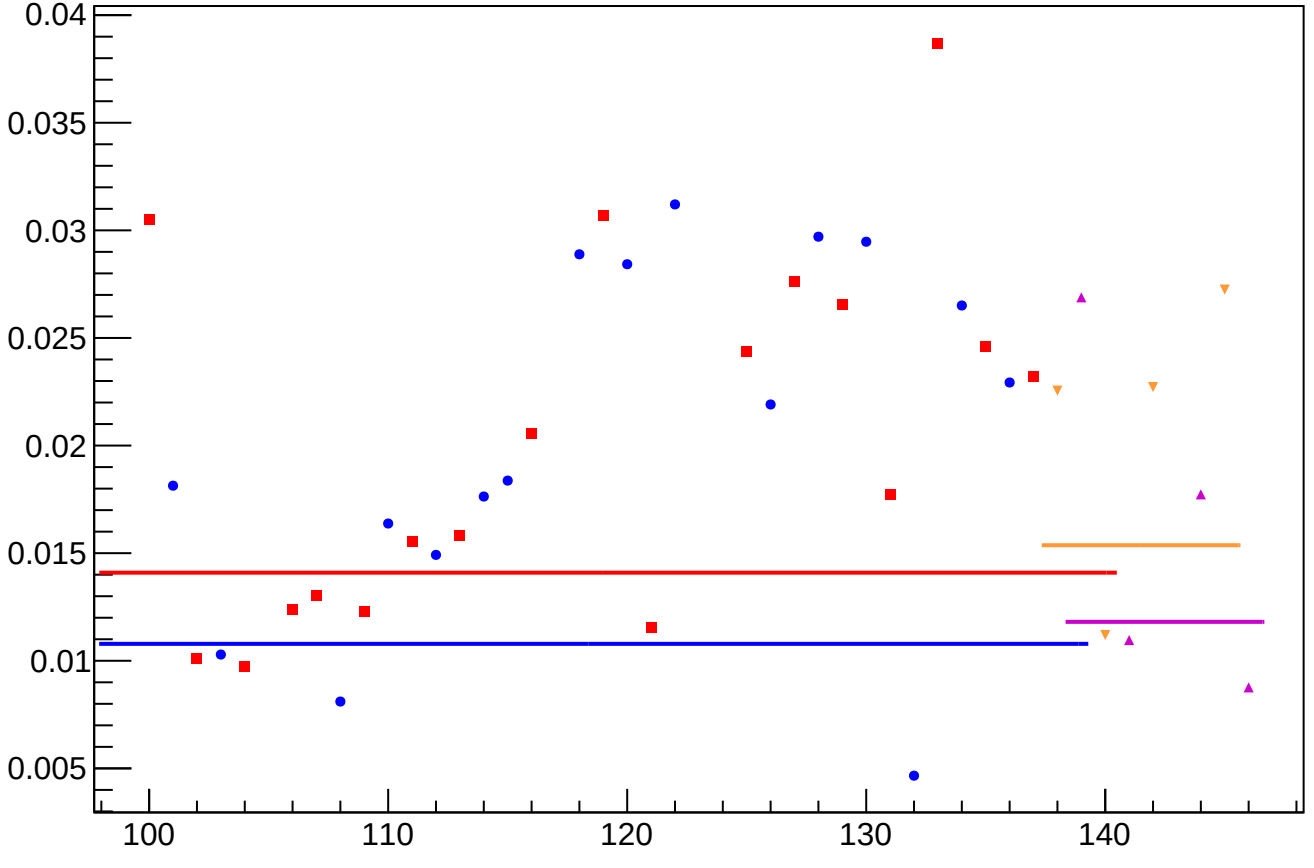
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:16.7/19

Out: -0.000+/-0.000 χ^2/NDF:26.0/21

All: -0.000+/-0.000 χ^2/NDF: 43.5/41

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.015+/-0.000 χ^2/NDF:753997.6/3

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.012+/-0.000 χ^2/NDF:854148.9/3

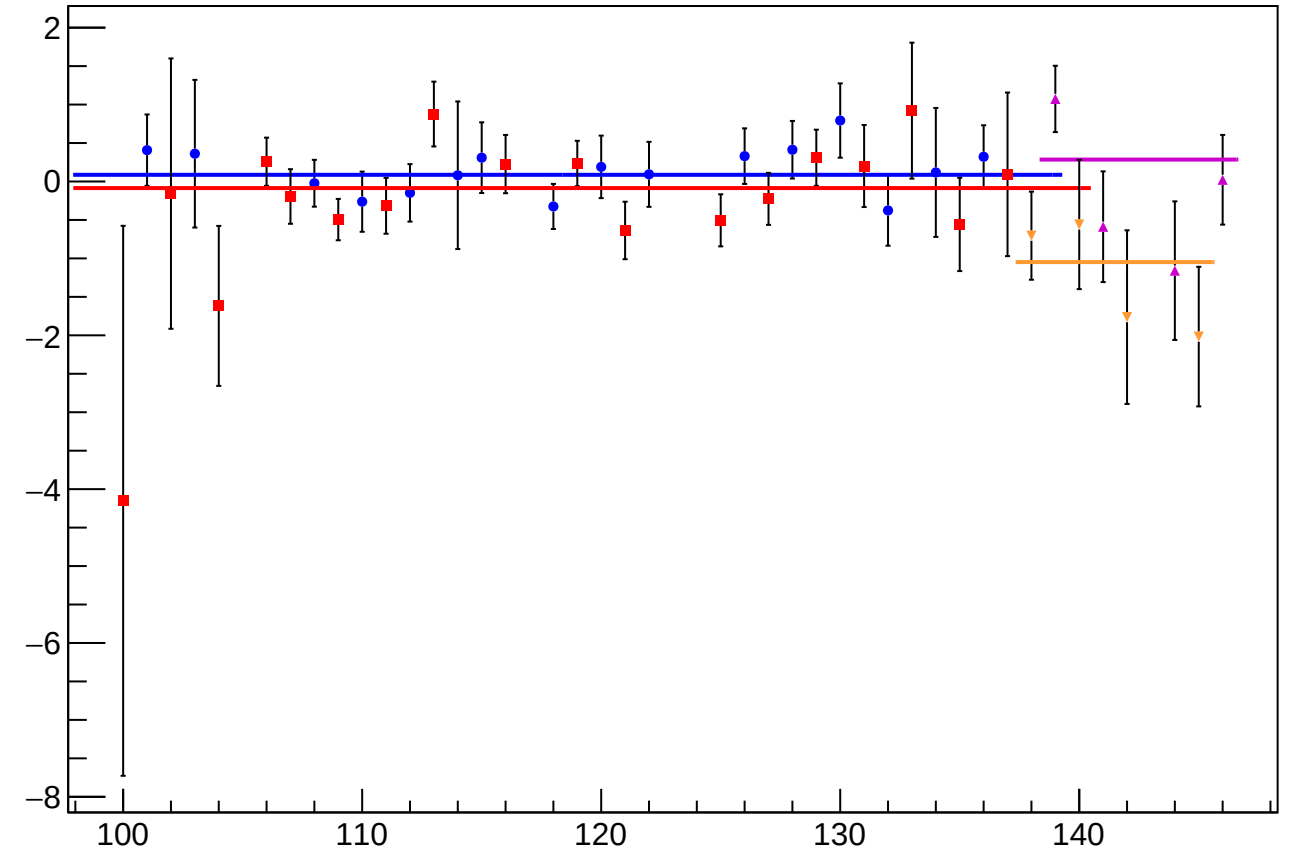
Left: 0.013+/-0.000 χ^2/NDF: 1772410.8/7

Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.011+/-0.000 χ^2/NDF:5461223.4/19

Out: 0.014+/-0.000 χ^2/NDF:2863110.1/21

All: 0.012+/-0.000 χ^2/NDF: 8845966.1/41



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -1.048+/-0.393 χ^2/NDF:2.2/3

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.285+/-0.295 χ^2/NDF:7.6/3

Left: -0.195+/-0.236 χ^2/NDF: 17.2/7

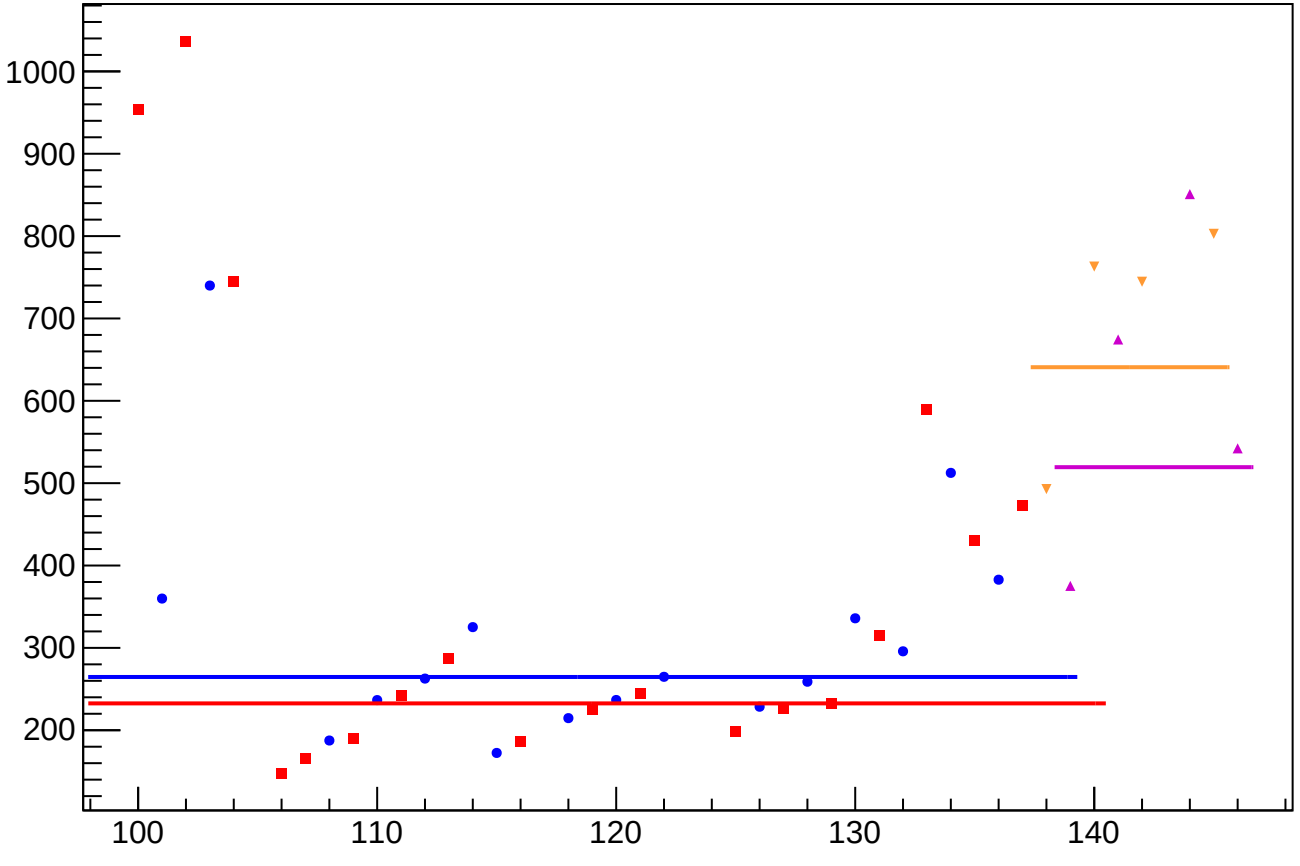
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.109+/-0.099 χ^2/NDF:16.8/19

Out: -0.141+/-0.094 χ^2/NDF:29.7/21

All: -0.022+/-0.068 χ^2/NDF: 49.9/41

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 640.802+/-0.278 χ^2/NDF:256412.0/3

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 519.430+/-0.209 χ^2/NDF:590291.1/3

Left: 563.153+/-0.167 χ^2/NDF: 968537.5/7

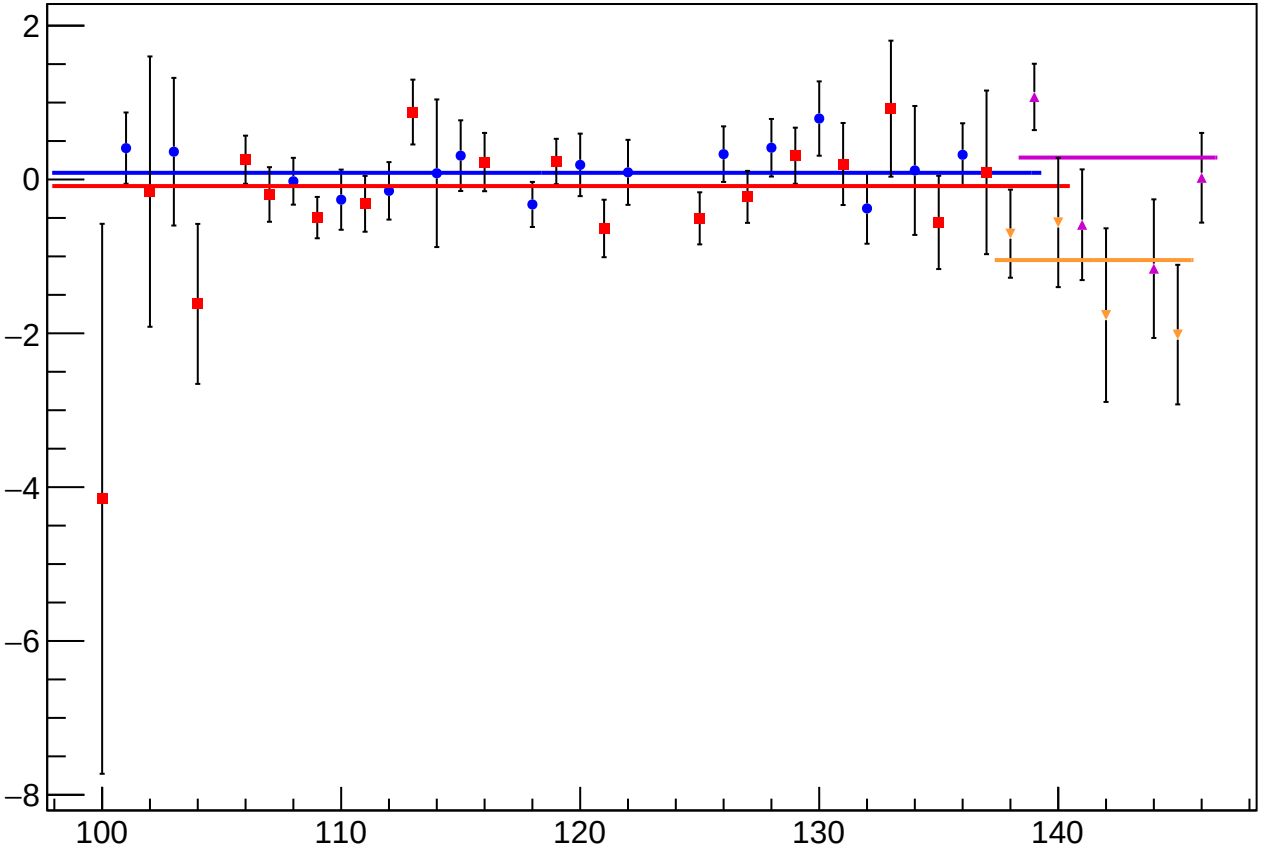
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 293.325+/-0.070 χ^2/NDF:3196731.5/19

Out: 256.152+/-0.067 χ^2/NDF:4318866.6/21

All: 273.873+/-0.048 χ^2/NDF: 7663169.3/41

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: -1.048+/-0.393 χ^2/NDF:2.2/3

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.285+/-0.295 χ^2/NDF:7.6/3

Left: -0.195+/-0.236 χ^2/NDF: 17.2/7

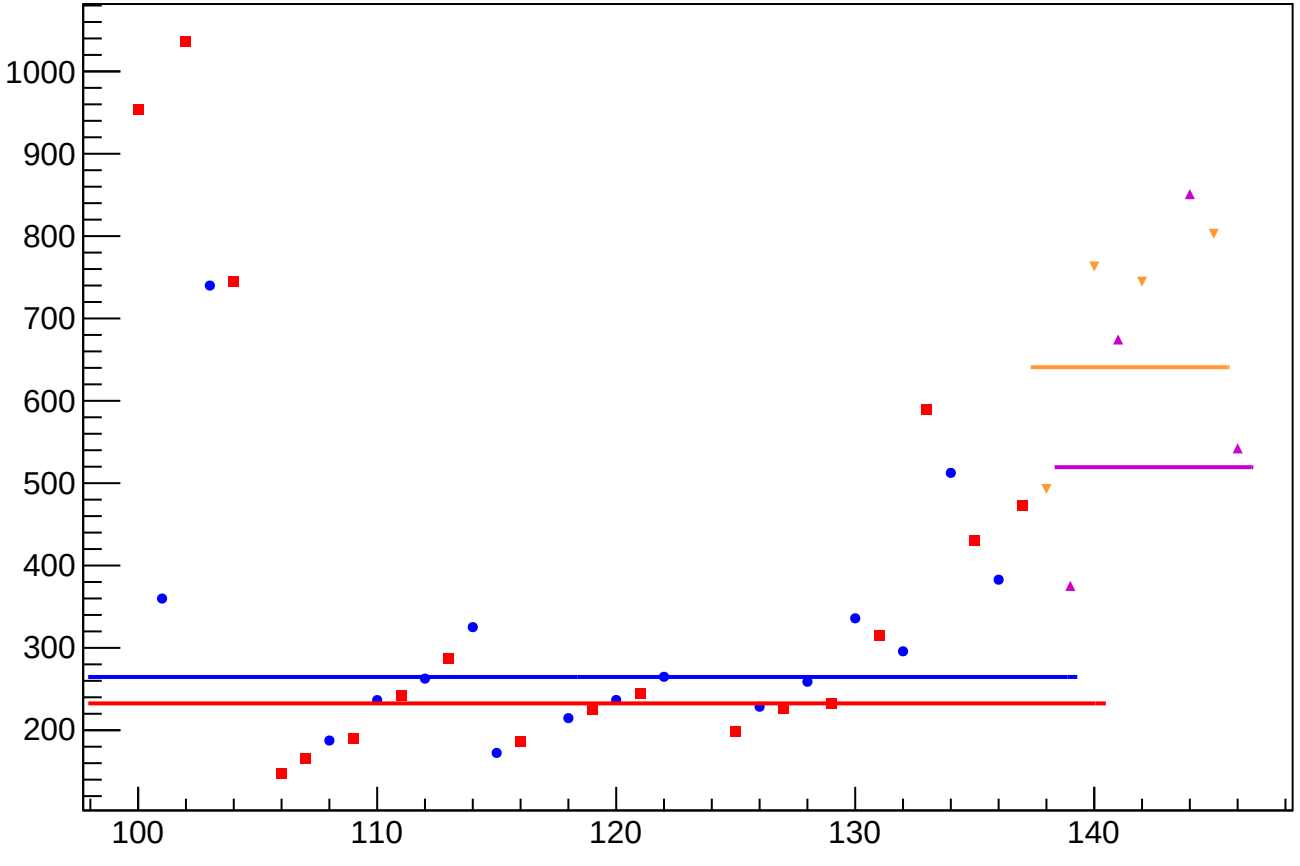
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.109+/-0.099 χ^2/NDF:16.8/19

Out: -0.141+/-0.094 χ^2/NDF:29.7/21

All: -0.022+/-0.068 χ^2/NDF: 49.9/41

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: 640.802+/-0.278 χ^2/NDF:256412.0/3

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 519.430+/-0.209 χ^2/NDF:590291.1/3

Left: 563.153+/-0.167 χ^2/NDF: 968537.5/7

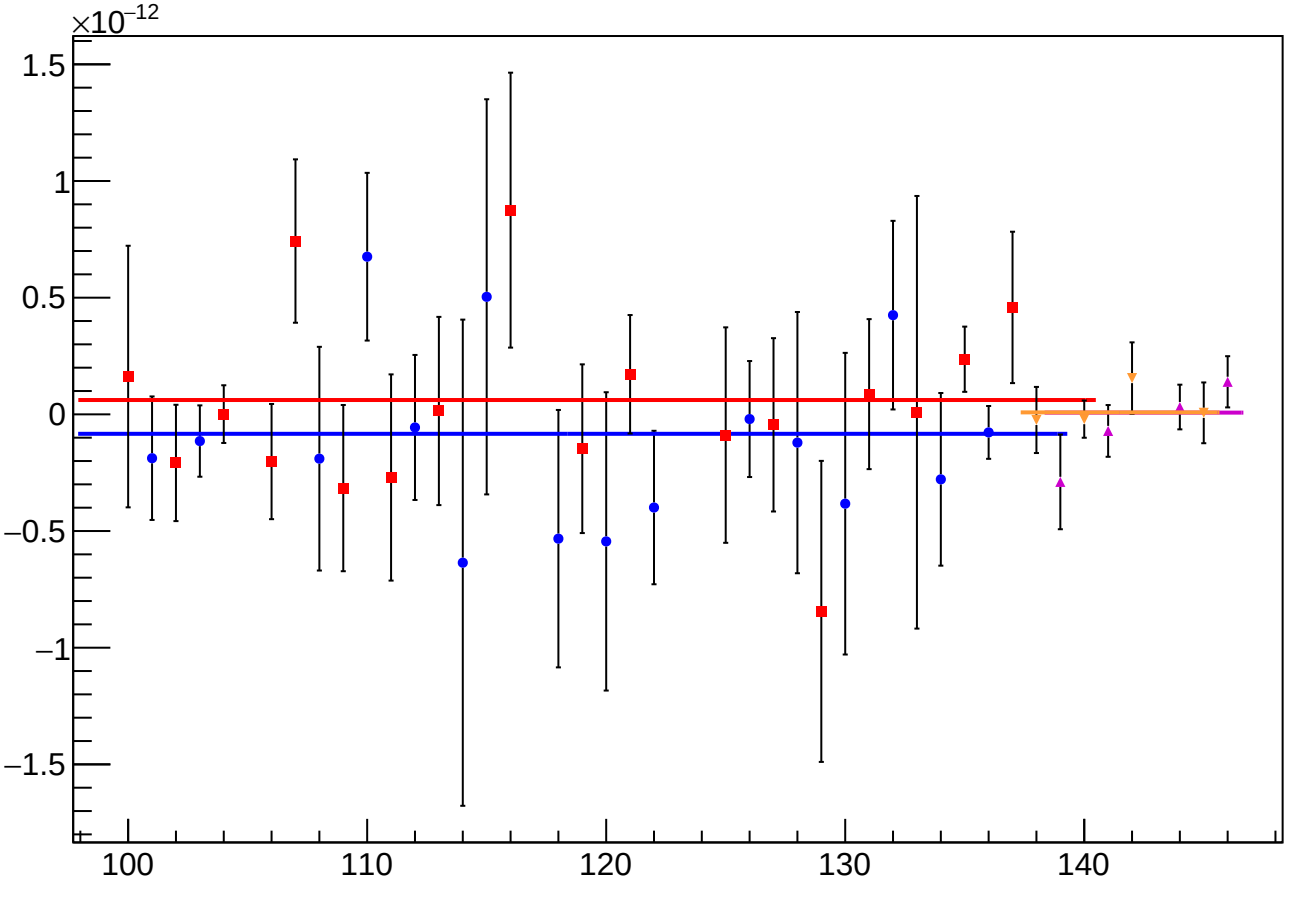
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 293.325+/-0.070 χ^2/NDF:3196731.5/19

Out: 256.152+/-0.067 χ^2/NDF:4318866.6/21

All: 273.873+/-0.048 χ^2/NDF: 7663169.3/41

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:1.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:4.1/3

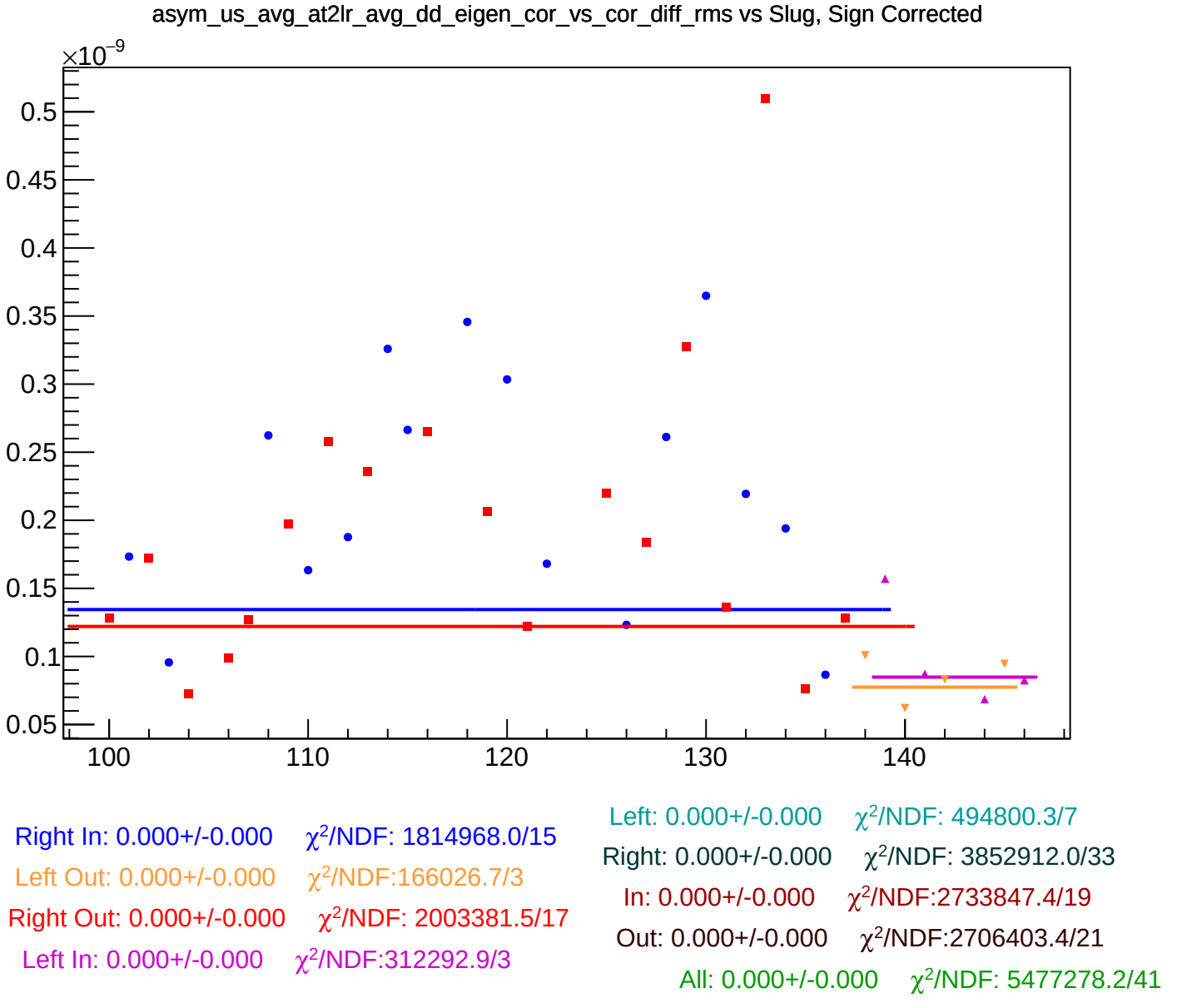
Left: 0.000+/-0.000 χ^2/NDF: 5.3/7

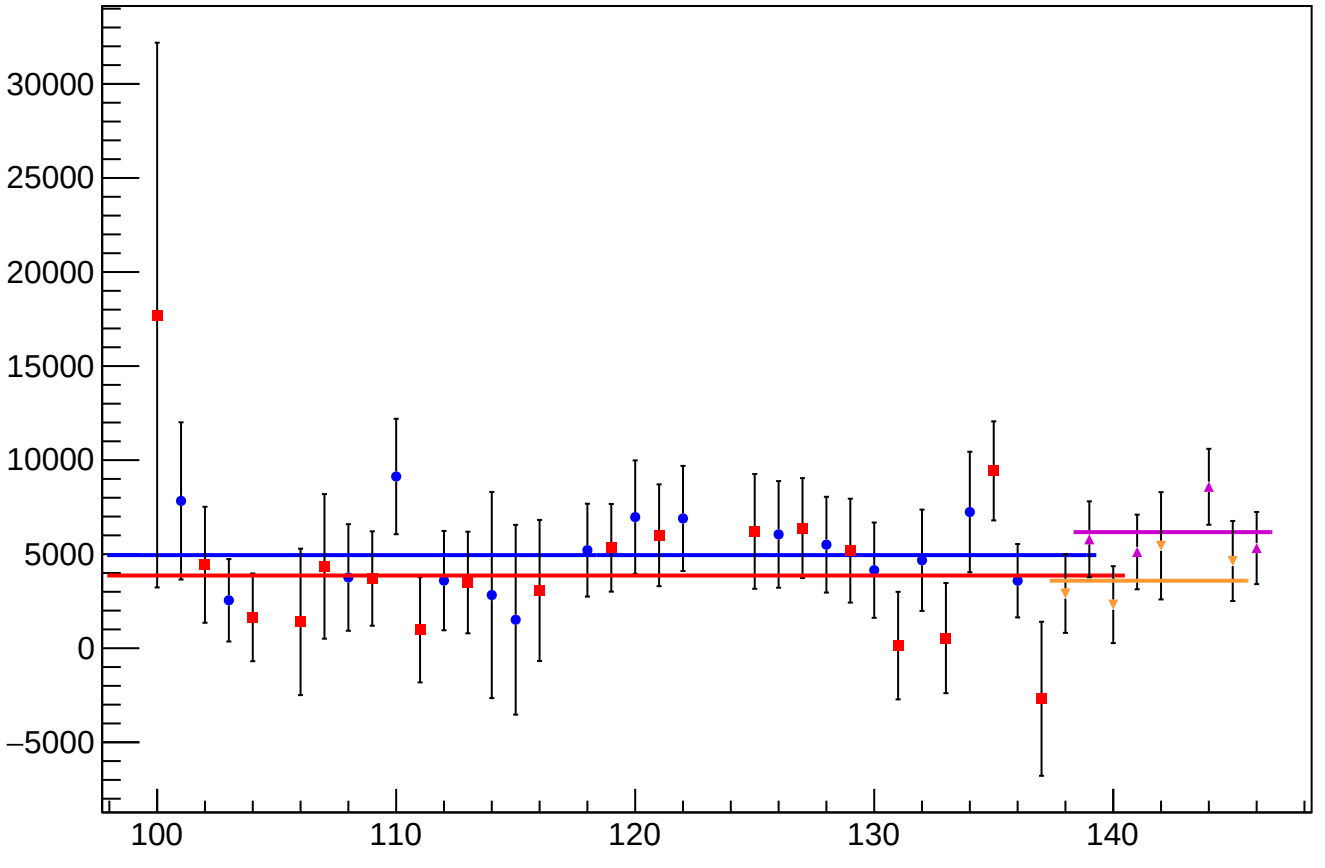
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: -0.000+/-0.000 χ^2/NDF:14.9/19

Out: 0.000+/-0.000 χ^2/NDF:17.2/21

All: 0.000+/-0.000 χ^2/NDF: 33.1/41


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
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:166026.7/3
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:312292.9/3
Left: 0.000+/-0.000 χ²/NDF: 494800.3/7
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:2733847.4/19
Out: 0.000+/-0.000 χ²/NDF:2706403.4/21
All: 0.000+/-0.000 χ²/NDF: 5477278.2/41



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3589.490+/-1110.002 χ^2/NDF:1.2/3

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 6172.079+/-991.961 χ^2/NDF:1.9/3

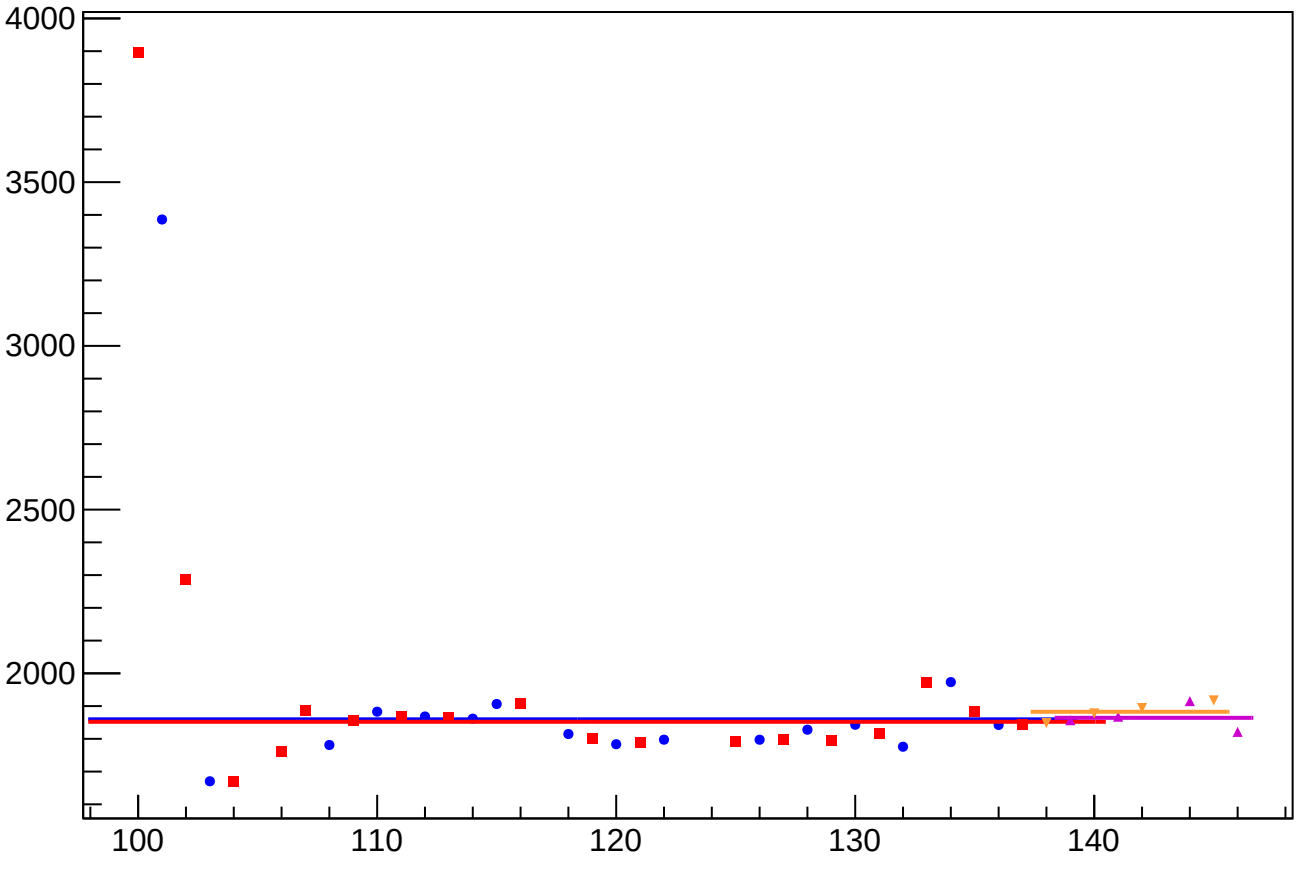
Left: 5025.361+/-739.647 χ^2/NDF: 6.1/7

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 5355.648+/-571.353 χ^2/NDF:9.8/19

Out: 3787.388+/-589.536 χ^2/NDF:17.4/21

All: 4596.075+/-410.285 χ^2/NDF: 30.8/41



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1882.632+/-0.785 χ^2/NDF:1122.0/3

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

Left: 1872.368+/-0.523 χ^2/NDF: 3743.4/7

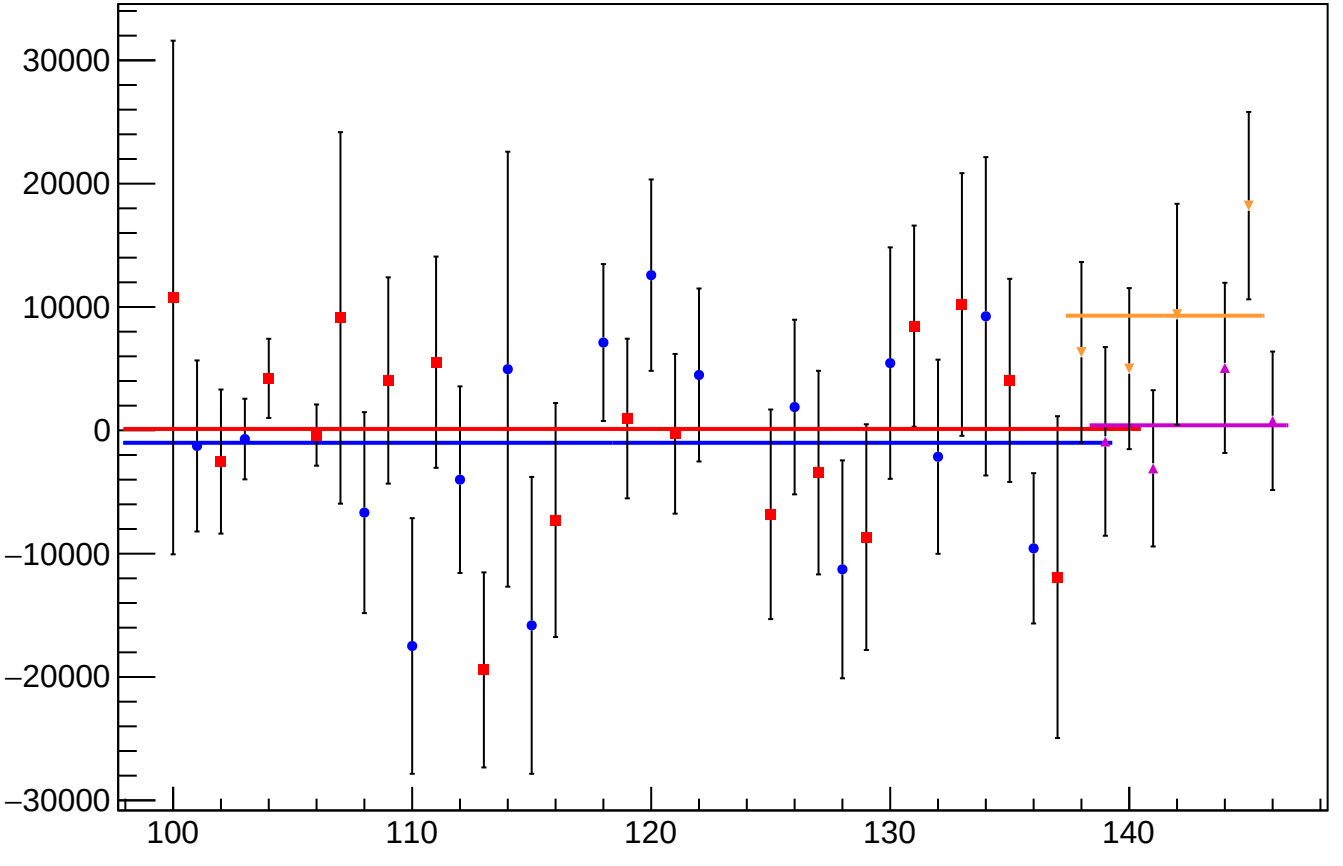
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1861.056+/-0.404 χ^2/NDF:294677.8/19

Out: 1860.650+/-0.416 χ^2/NDF:104425.3/21

All: 1860.859+/-0.290 χ^2/NDF: 399103.6/41

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: 9294.863+/-3727.883 χ^2/NDF:2.0/3

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 407.682+/-3248.720 χ^2/NDF:0.8/3

Left: 4243.754+/-2449.196 χ^2/NDF: 6.0/7

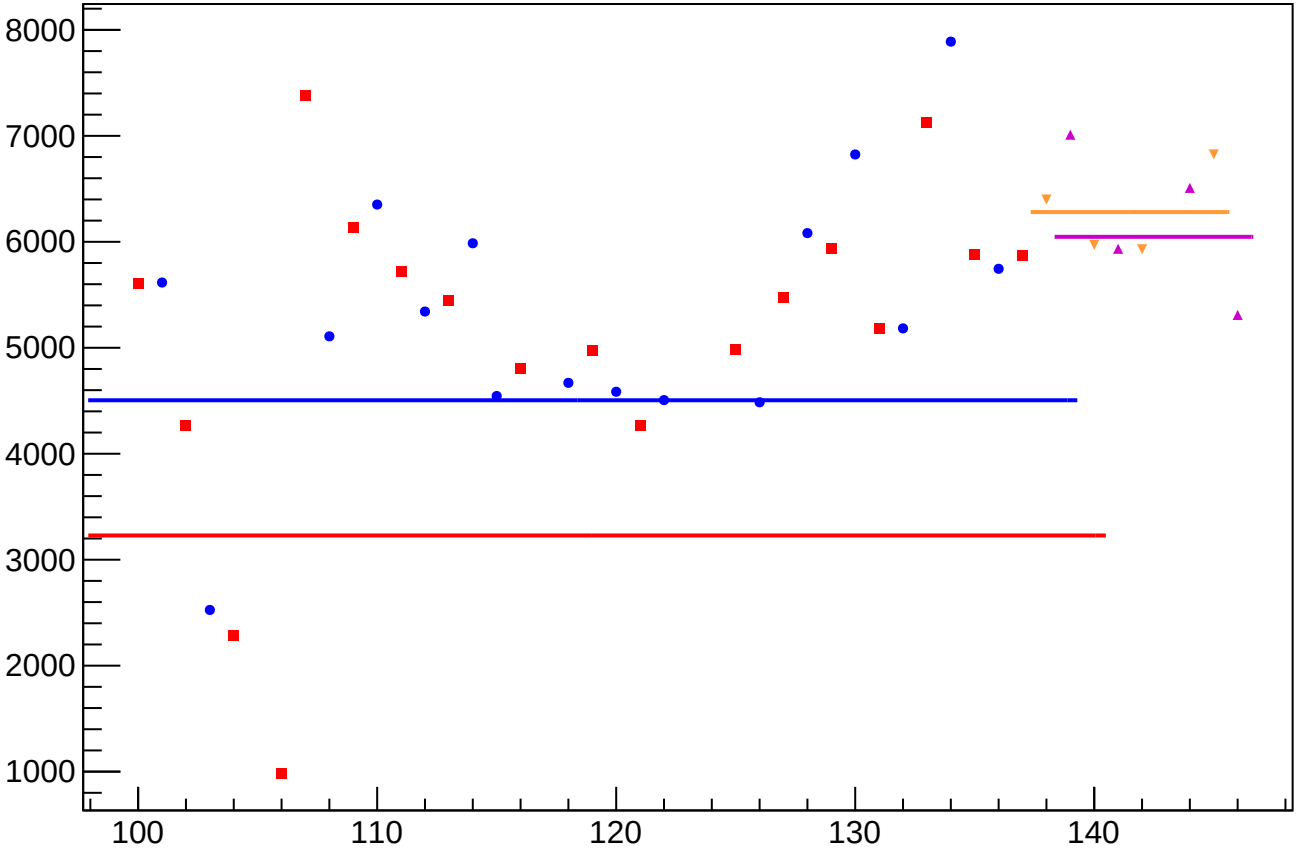
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -687.367+/-1550.338 χ^2/NDF:15.7/19

Out: 1301.499+/-1342.062 χ^2/NDF:21.9/21

All: 449.541+/-1014.688 χ^2/NDF: 38.5/41

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6280.863+/-2.636 χ^2/NDF:18357.6/3

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6047.059+/-2.297 χ^2/NDF:75839.0/3

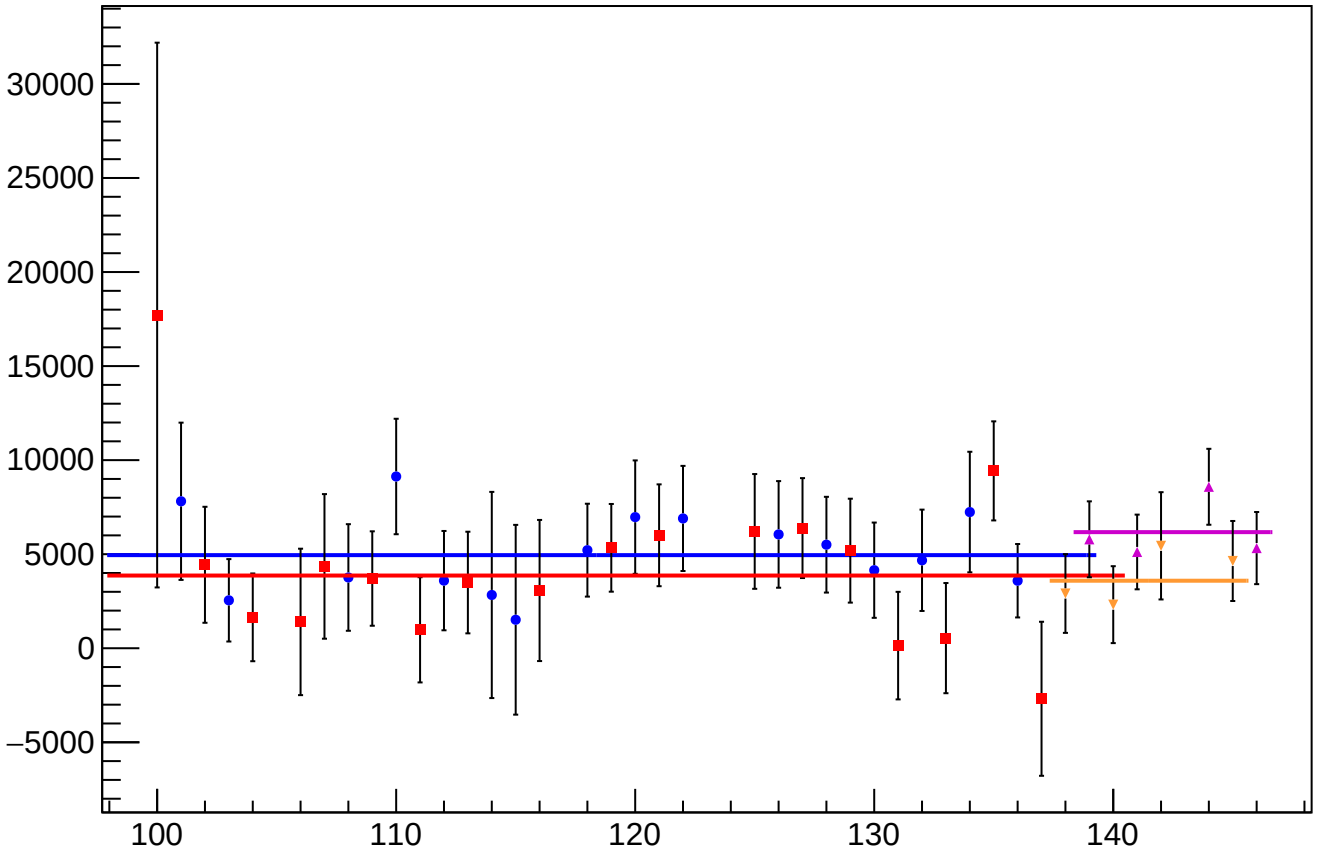
Left: 6147.978+/-1.732 χ^2/NDF: 98667.9/7

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4856.016+/-1.096 χ^2/NDF:1745035.5/19

Out: 3624.192+/-0.949 χ^2/NDF:5141737.6/21

All: 4151.860+/-0.717 χ^2/NDF: 7608535.7/41



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3589.647+/-1110.002 χ^2/NDF:1.2/3

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 6172.367+/-991.961 χ^2/NDF:1.9/3

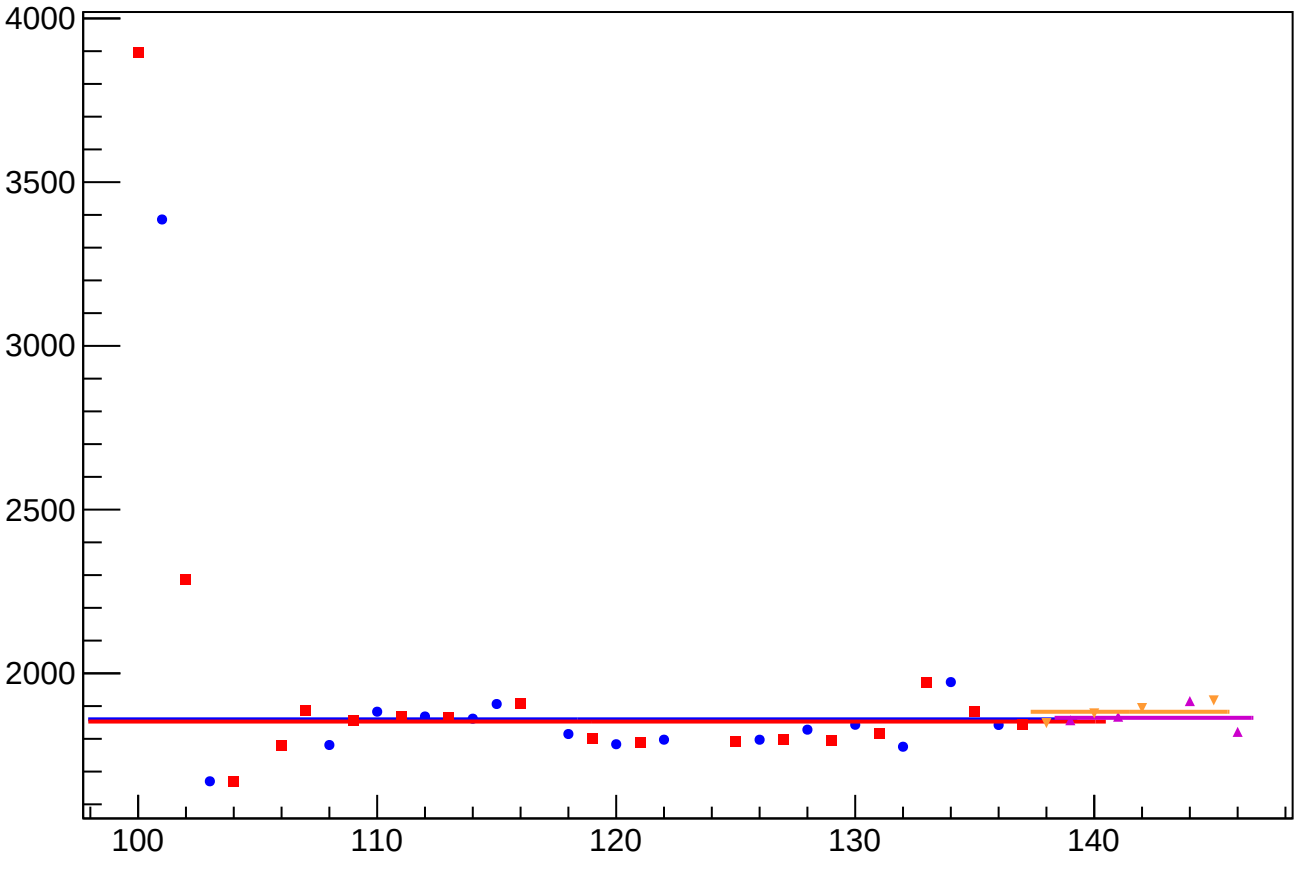
Left: 5025.590+/-739.647 χ^2/NDF: 6.1/7

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5355.422+/-571.354 χ^2/NDF:9.8/19

Out: 3787.278+/-589.536 χ^2/NDF:17.4/21

All: 4595.905+/-410.285 χ^2/NDF: 30.8/41



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1882.632+/-0.785 χ^2/NDF:1122.0/3

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

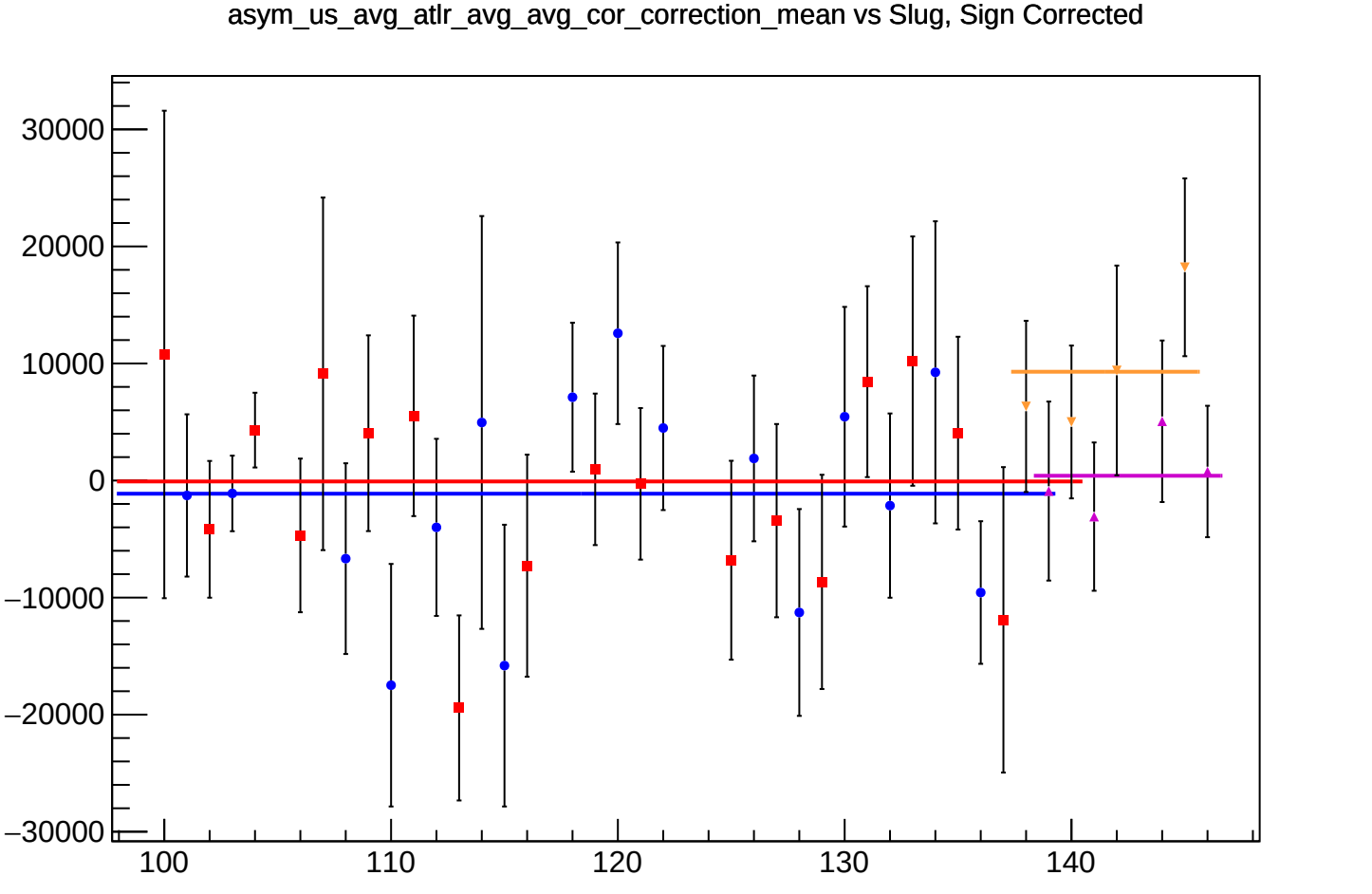
Left: 1872.368+/-0.523 χ^2/NDF: 3743.4/7

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

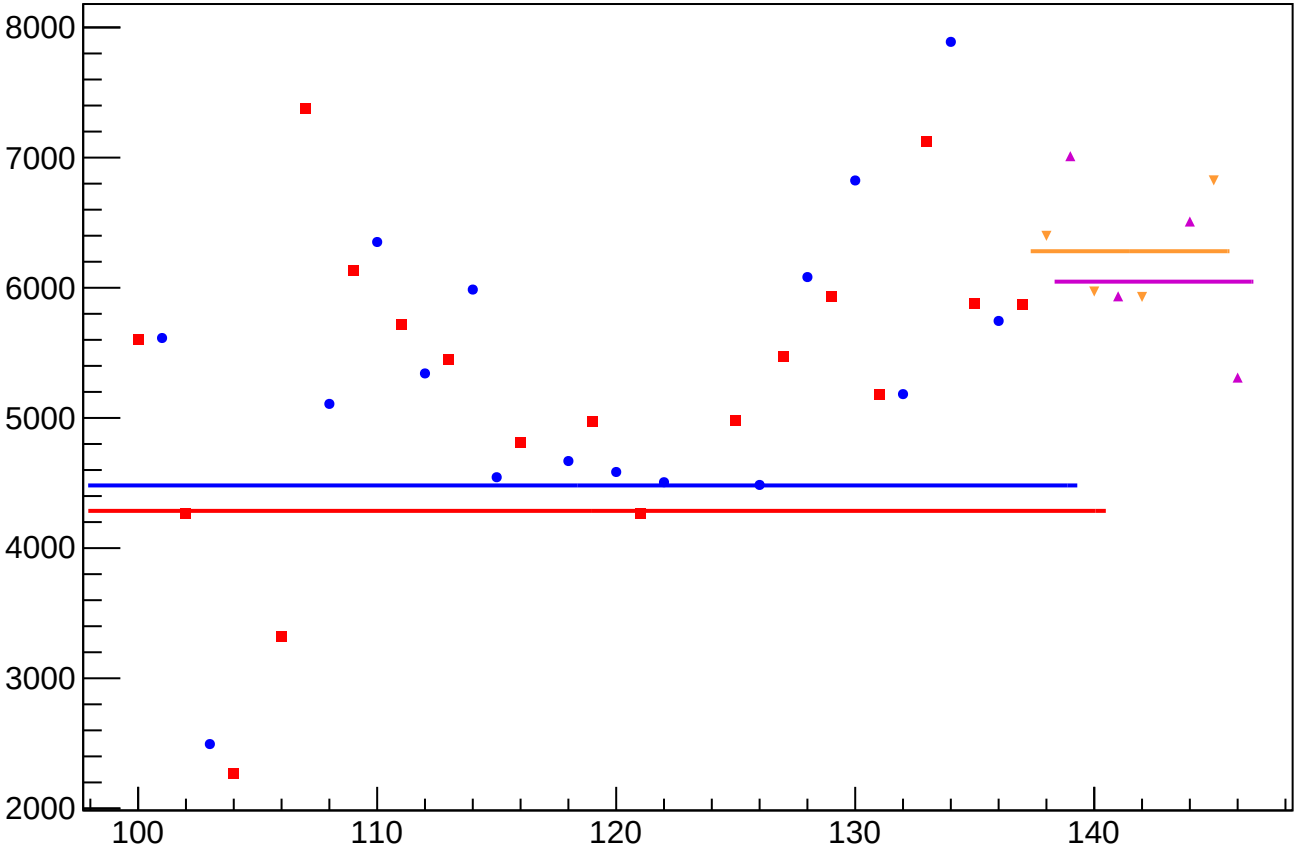
In: 1861.056+/-0.404 χ^2/NDF:294679.7/19

Out: 1861.161+/-0.416 χ^2/NDF:103913.3/21

All: 1861.107+/-0.290 χ^2/NDF: 398593.1/41


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: 9294.959+/-3727.875 χ²/NDF:2.0/3
Right Out: -78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: 407.731+/-3248.720 χ²/NDF:0.8/3
Left: 4243.832+/-2449.194 χ²/NDF: 6.0/7
Right: -585.146+/-1222.937 χ²/NDF: 30.5/33
In: -778.309+/-1546.054 χ²/NDF:15.7/19
Out: 1539.233+/-1548.600 χ²/NDF:22.8/21
All: 378.555+/-1094.125 χ²/NDF: 39.6/41

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: 6280.849+/-2.636 χ^2/NDF:18357.9/3

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6047.058+/-2.297 χ^2/NDF:75839.2/3

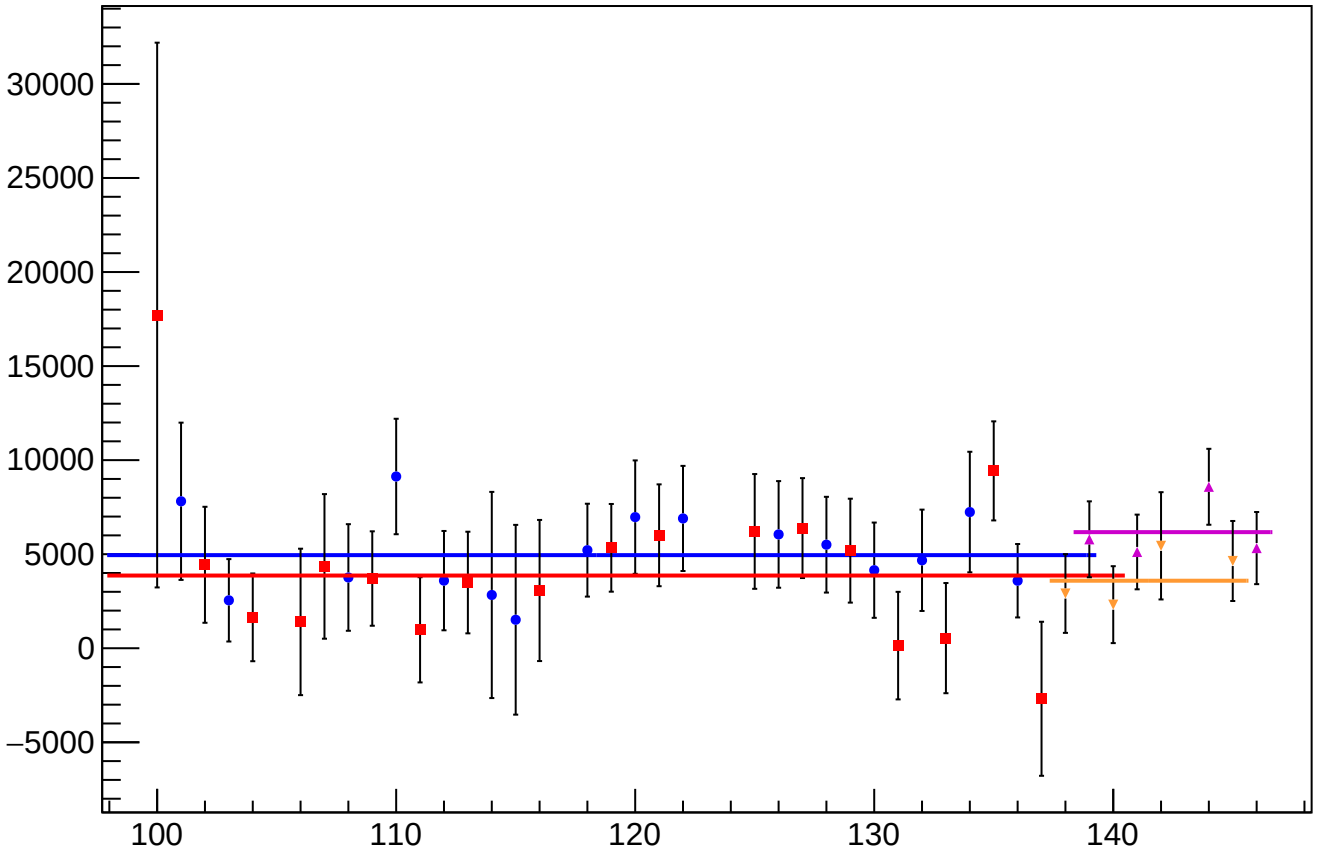
Left: 6147.972+/-1.732 χ^2/NDF: 98667.9/7

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4836.078+/-1.093 χ^2/NDF:1797352.3/19

Out: 4630.347+/-1.095 χ^2/NDF:2042022.6/21

All: 4733.382+/-0.774 χ^2/NDF: 3857052.8/41



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3589.647+/-1110.002 χ^2/NDF:1.2/3

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 6172.367+/-991.961 χ^2/NDF:1.9/3

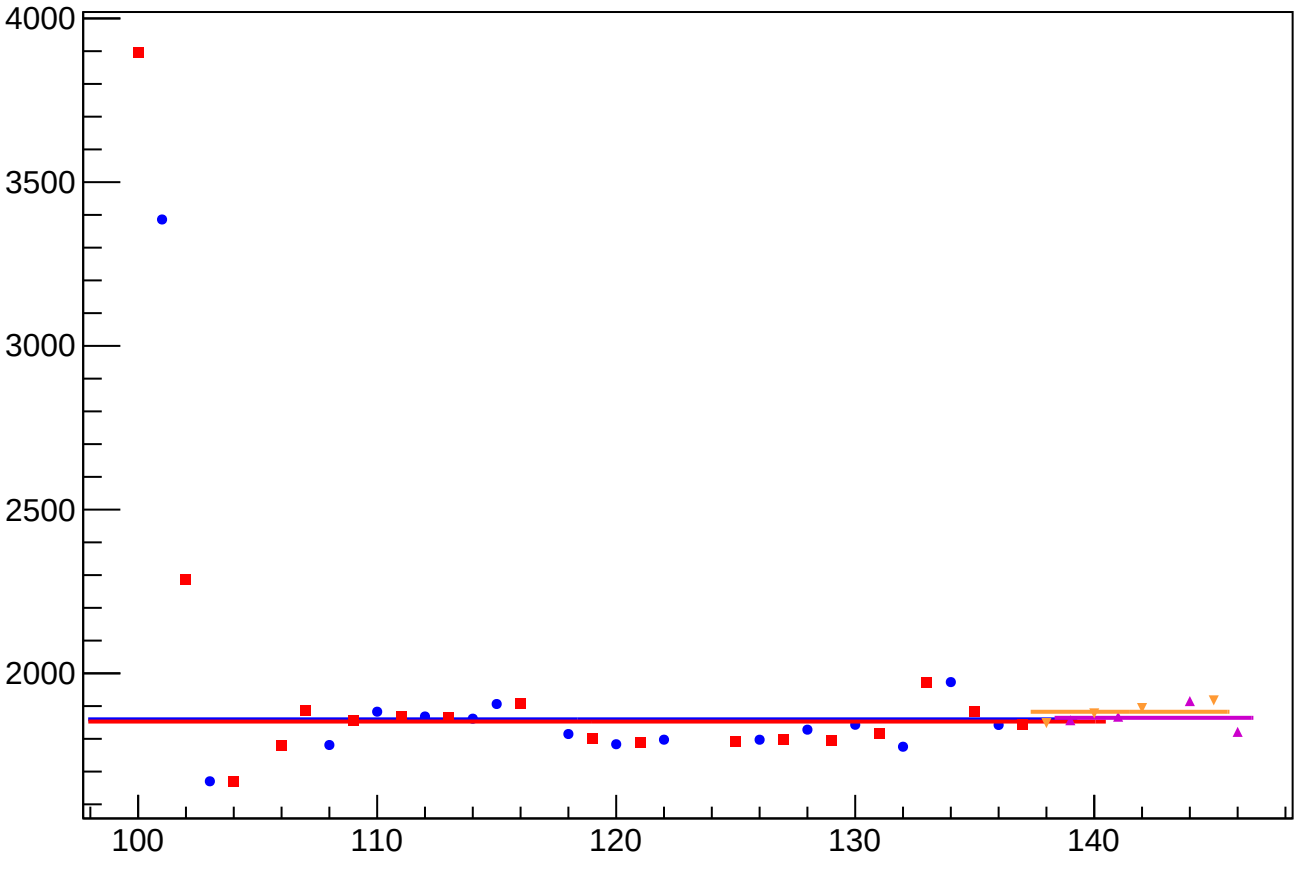
Left: 5025.590+/-739.647 χ^2/NDF: 6.1/7

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5355.422+/-571.354 χ^2/NDF:9.8/19

Out: 3787.278+/-589.536 χ^2/NDF:17.4/21

All: 4595.905+/-410.285 χ^2/NDF: 30.8/41



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1882.632+/-0.785 χ^2/NDF:1122.0/3

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

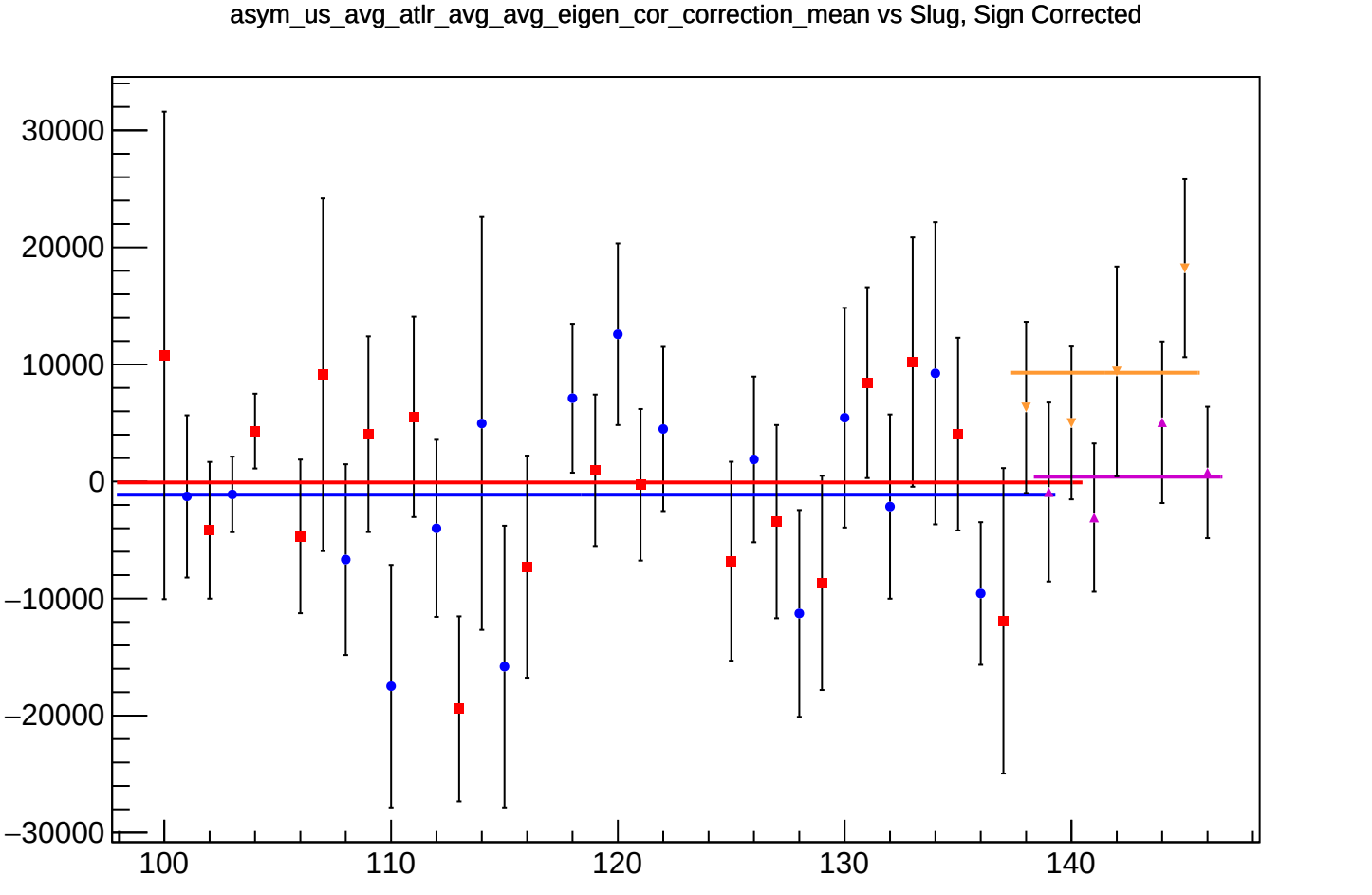
Left: 1872.368+/-0.523 χ^2/NDF: 3743.4/7

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1861.056+/-0.404 χ^2/NDF:294679.7/19

Out: 1861.161+/-0.416 χ^2/NDF:103913.3/21

All: 1861.107+/-0.290 χ^2/NDF: 398593.1/41



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 9294.959+/-3727.875 χ^2/NDF:2.0/3

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 407.731+/-3248.720 χ^2/NDF:0.8/3

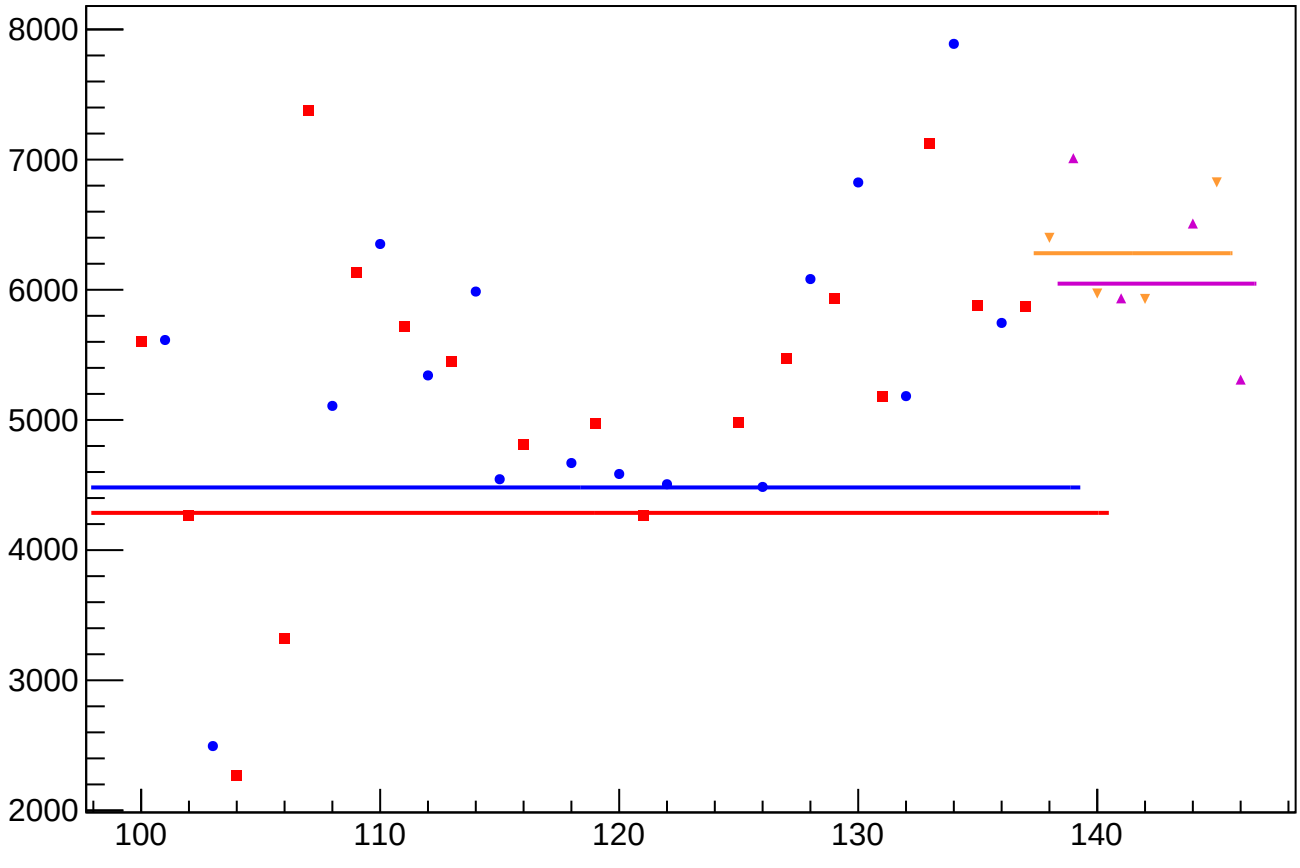
Left: 4243.832+/-2449.194 χ^2/NDF: 6.0/7

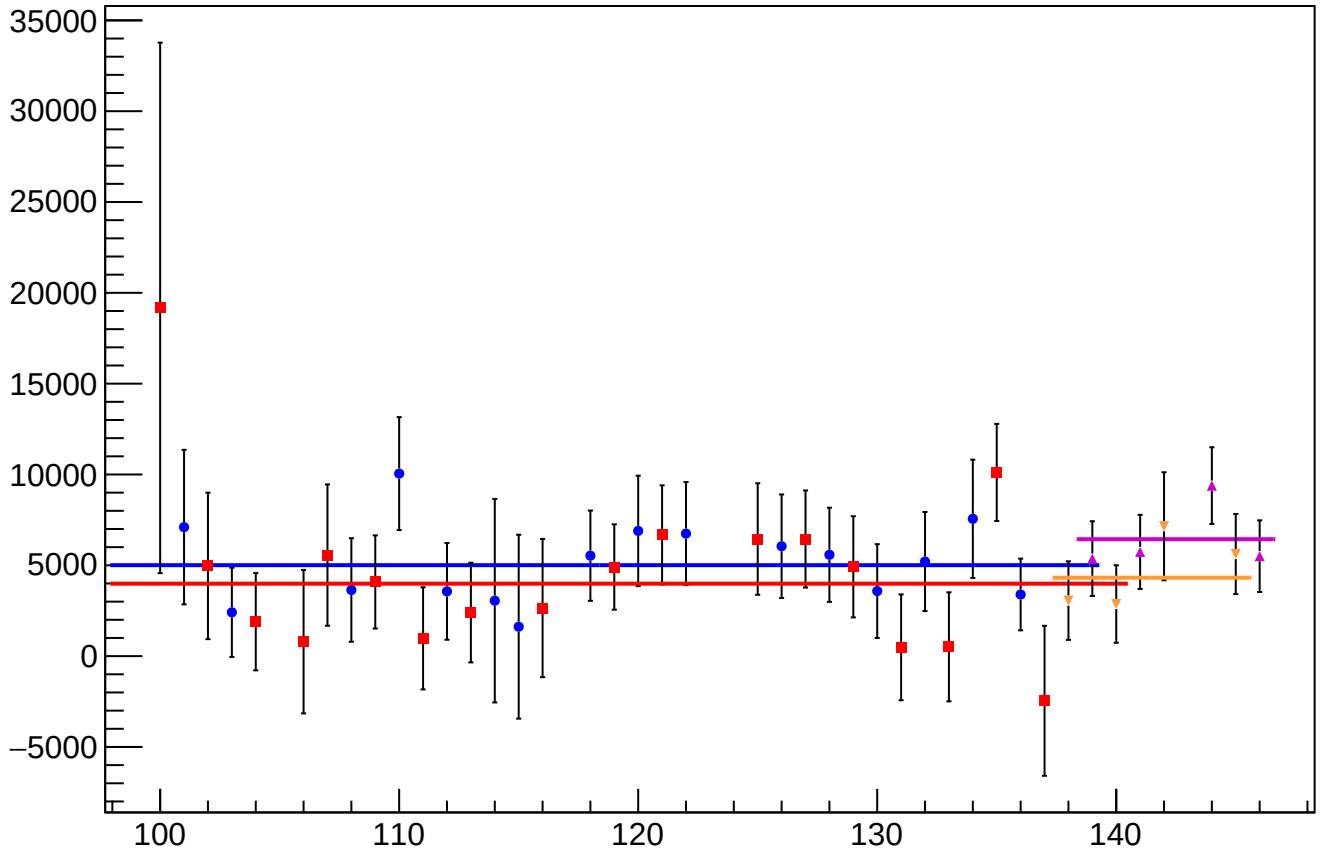
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -778.309+/-1546.054 χ^2/NDF:15.7/19

Out: 1539.233+/-1548.600 χ^2/NDF:22.8/21

All: 378.555+/-1094.125 χ^2/NDF: 39.6/41


asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
Right In: 4481.518+/-1.243 χ²/NDF: 1362255.0/15
Left Out: 6280.849+/-2.636 χ²/NDF:18357.9/3
Right Out: 4286.125+/-1.204 χ²/NDF: 1549852.7/17
Left In: 6047.058+/-2.297 χ²/NDF:75839.2/3
Left: 6147.972+/-1.732 χ²/NDF: 98667.9/7
Right: 4380.692+/-0.865 χ²/NDF: 2924858.4/33
In: 4836.078+/-1.093 χ²/NDF:1797352.3/19
Out: 4630.347+/-1.095 χ²/NDF:2042022.6/21
All: 4733.382+/-0.774 χ²/NDF: 3857052.8/41



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 4317.938+/-1152.937 χ^2/NDF:2.1/3

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 6437.768+/-1021.876 χ^2/NDF:2.6/3

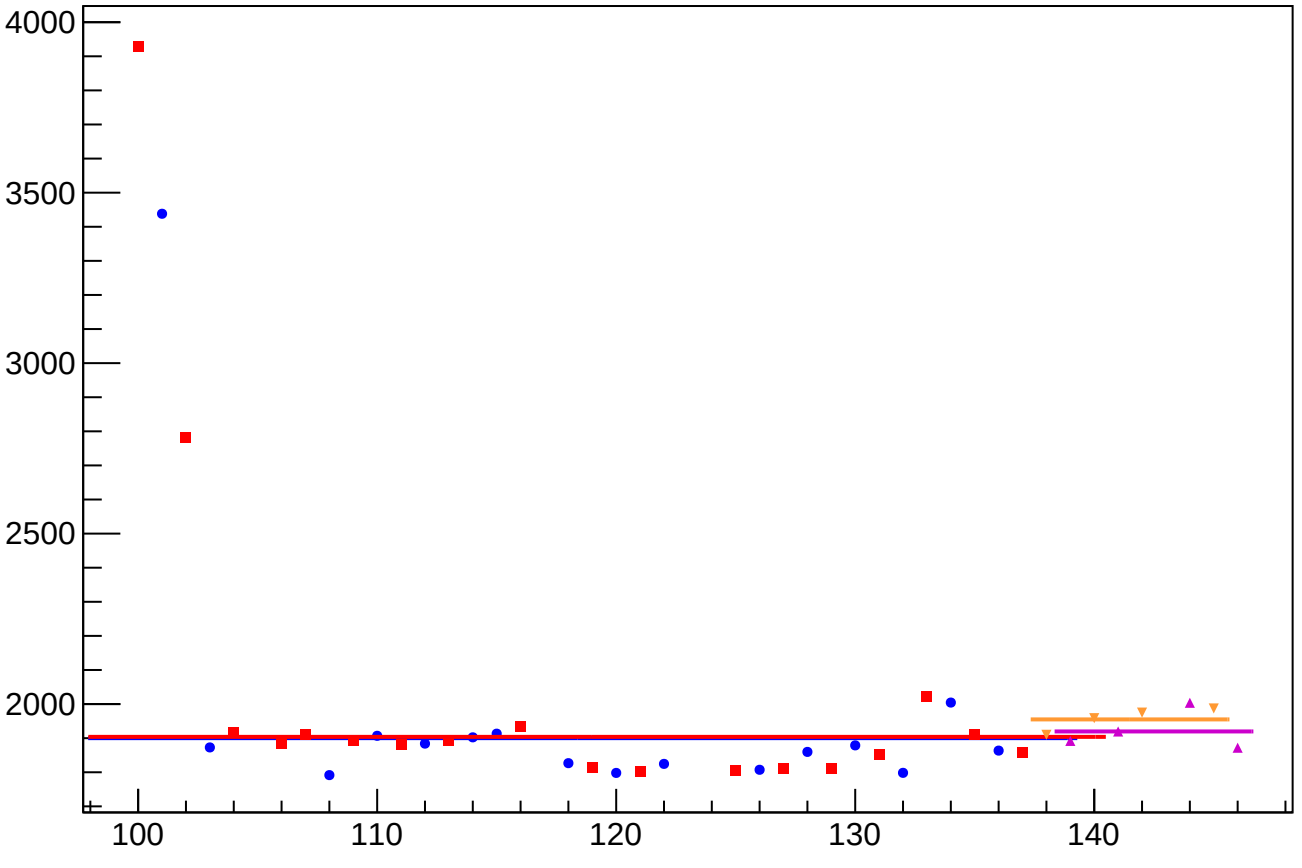
Left: 5505.137+/-764.733 χ^2/NDF: 6.5/7

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 5476.627+/-585.319 χ^2/NDF:11.5/19

Out: 4081.249+/-610.102 χ^2/NDF:19.5/21

All: 4807.855+/-422.373 χ^2/NDF: 33.7/41



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1955.026+/-0.815 χ^2/NDF:1392.0/3

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1919.727+/-0.723 χ^2/NDF:4706.7/3

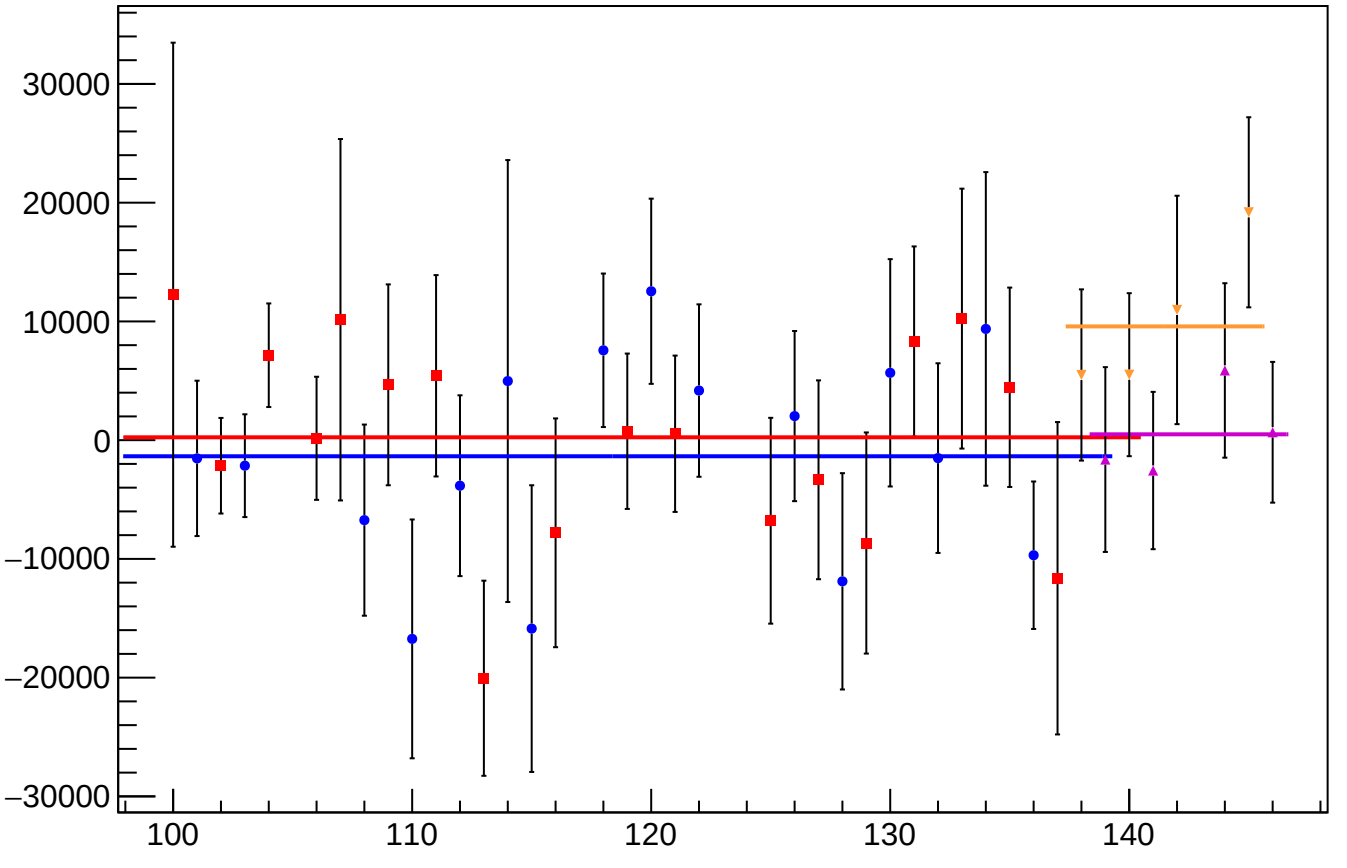
Left: 1935.257+/-0.541 χ^2/NDF: 7148.7/7

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1906.547+/-0.414 χ^2/NDF:283650.1/19

Out: 1918.142+/-0.431 χ^2/NDF:154349.2/21

All: 1912.109+/-0.299 χ^2/NDF: 438375.8/41



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 9579.853+/-3866.756 χ^2/NDF:2.1/3

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 492.283+/-3404.095 χ^2/NDF:0.8/3

Left: 4460.137+/-2555.058 χ^2/NDF: 6.1/7

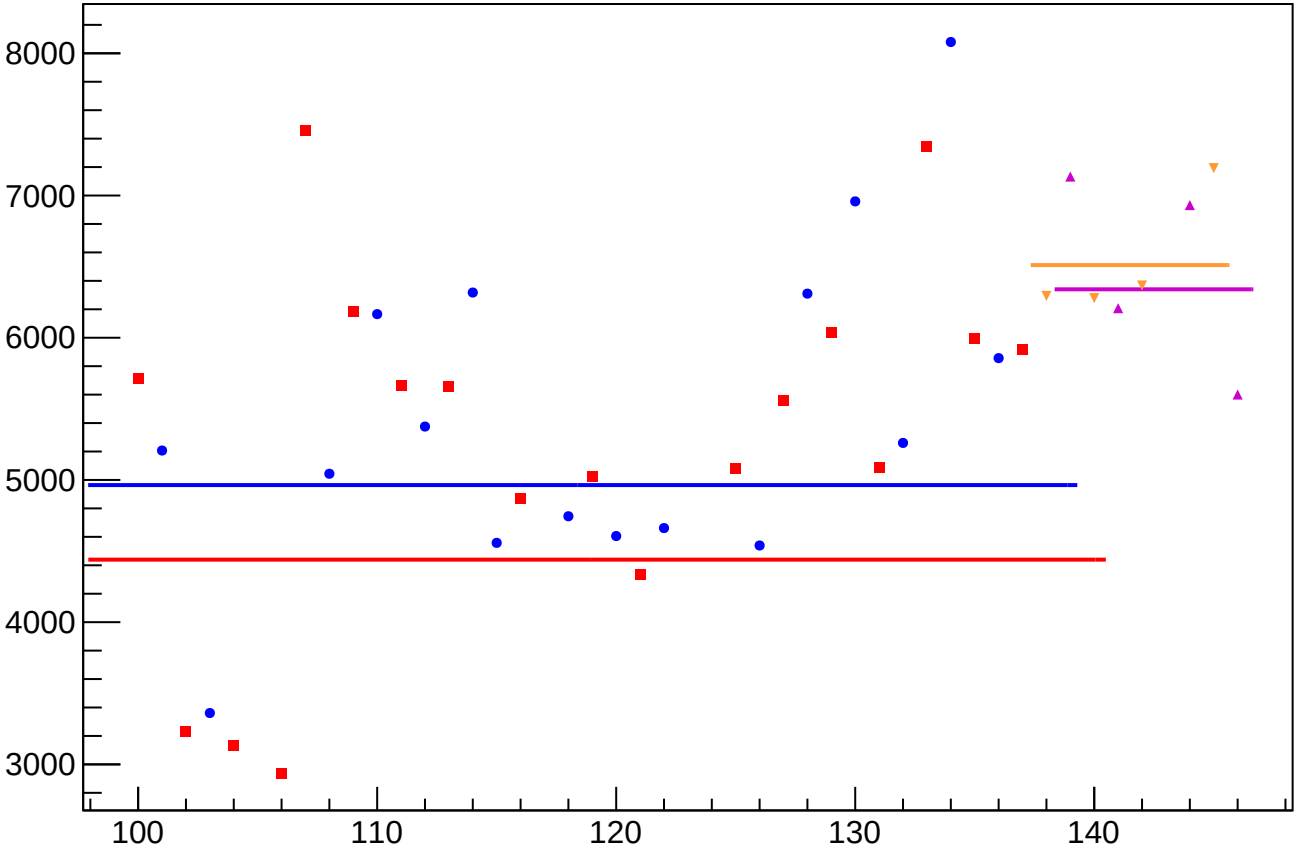
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -918.853+/-1656.396 χ^2/NDF:15.8/19

Out: 1772.765+/-1565.950 χ^2/NDF:22.7/21

All: 502.445+/-1137.925 χ^2/NDF: 39.9/41

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6510.865+/-2.734 χ^2/NDF:19042.9/3

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6340.441+/-2.407 χ^2/NDF:65723.8/3

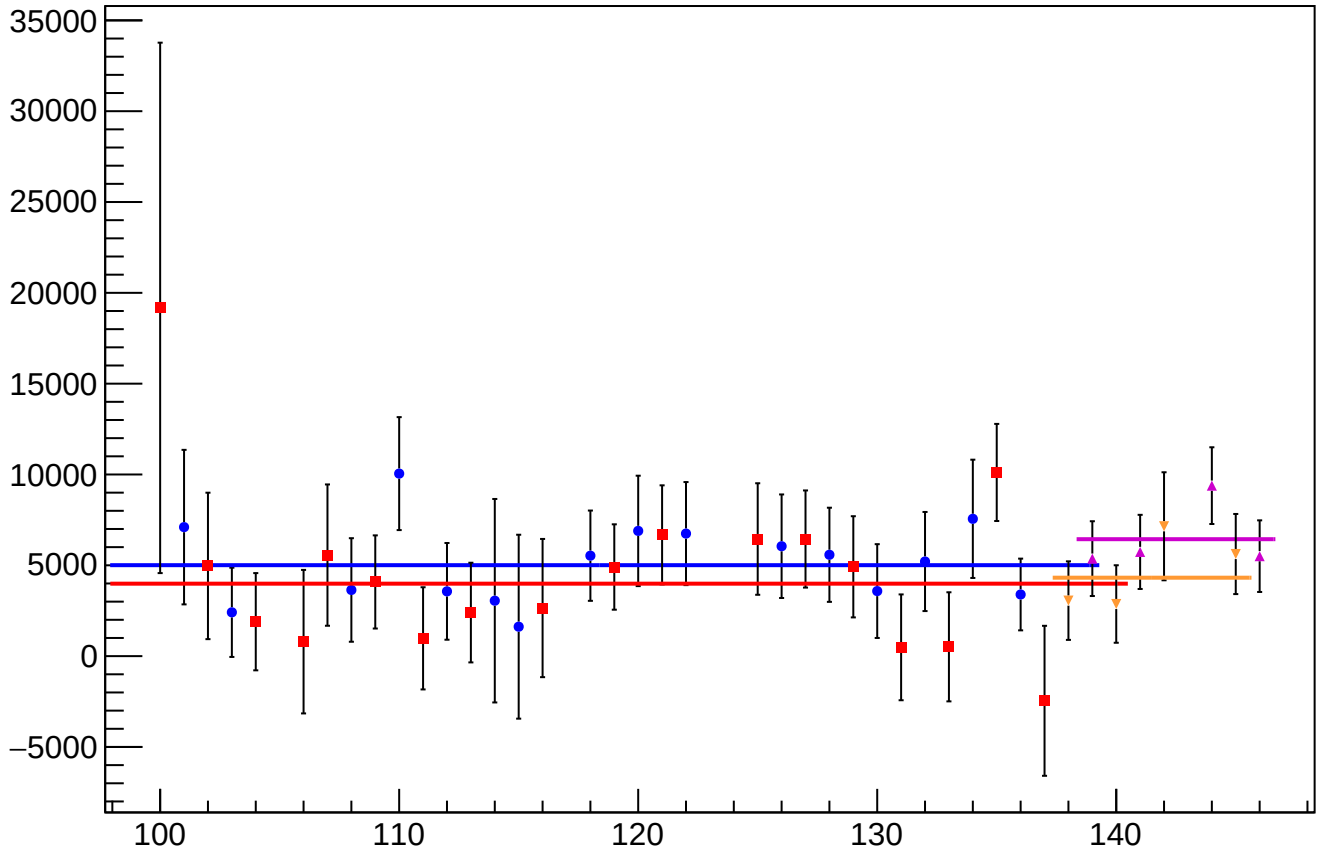
Left: 6414.852+/-1.807 χ^2/NDF: 86955.5/7

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5289.897+/-1.171 χ^2/NDF:942674.6/19

Out: 4779.364+/-1.107 χ^2/NDF:1657263.6/21

All: 5020.312+/-0.805 χ^2/NDF: 2700266.0/41



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 4317.961+/-1152.937 χ^2/NDF:2.1/3

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 6437.762+/-1021.877 χ^2/NDF:2.6/3

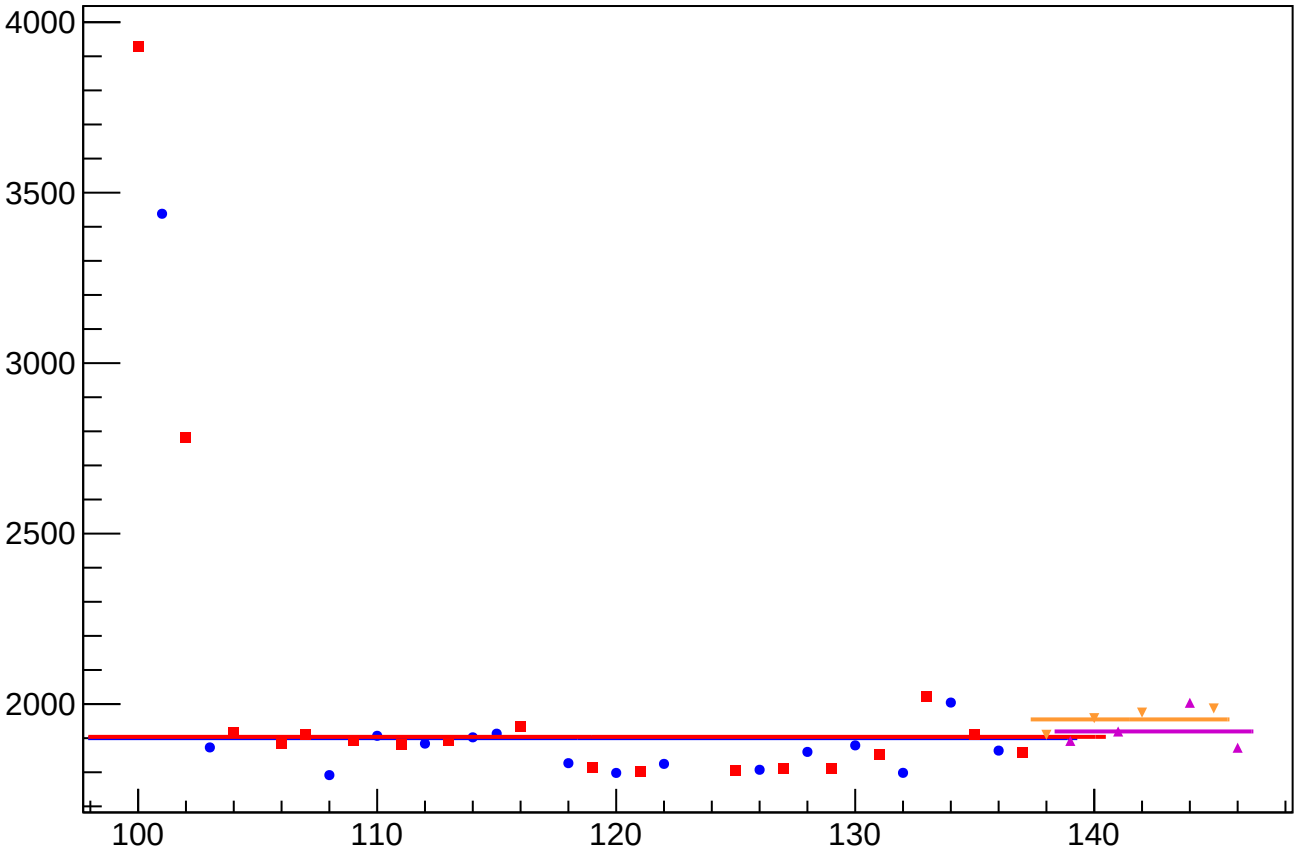
Left: 5505.145+/-764.733 χ^2/NDF: 6.5/7

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 5476.623+/-585.319 χ^2/NDF:11.5/19

Out: 4081.255+/-610.102 χ^2/NDF:19.5/21

All: 4807.856+/-422.373 χ^2/NDF: 33.7/41



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1955.028+/-0.815 χ^2/NDF:1392.1/3

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1919.729+/-0.723 χ^2/NDF:4706.8/3

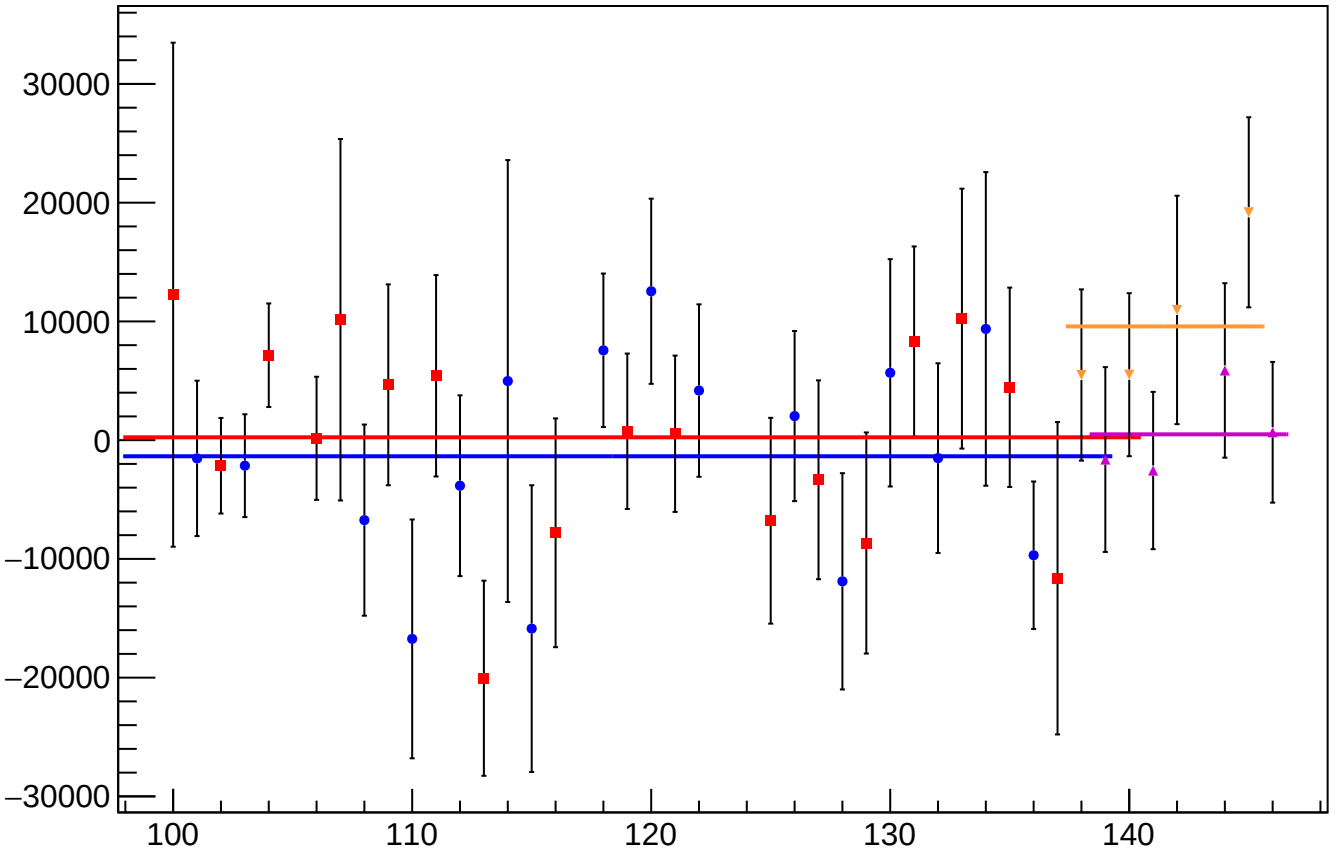
Left: 1935.259+/-0.541 χ^2/NDF: 7148.8/7

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1906.547+/-0.414 χ^2/NDF:283650.5/19

Out: 1918.142+/-0.431 χ^2/NDF:154348.8/21

All: 1912.109+/-0.299 χ^2/NDF: 438375.8/41



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 9579.876+/-3866.763 χ^2/NDF:2.1/3

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 492.275+/-3404.101 χ^2/NDF:0.8/3

Left: 4460.141+/-2555.062 χ^2/NDF: 6.1/7

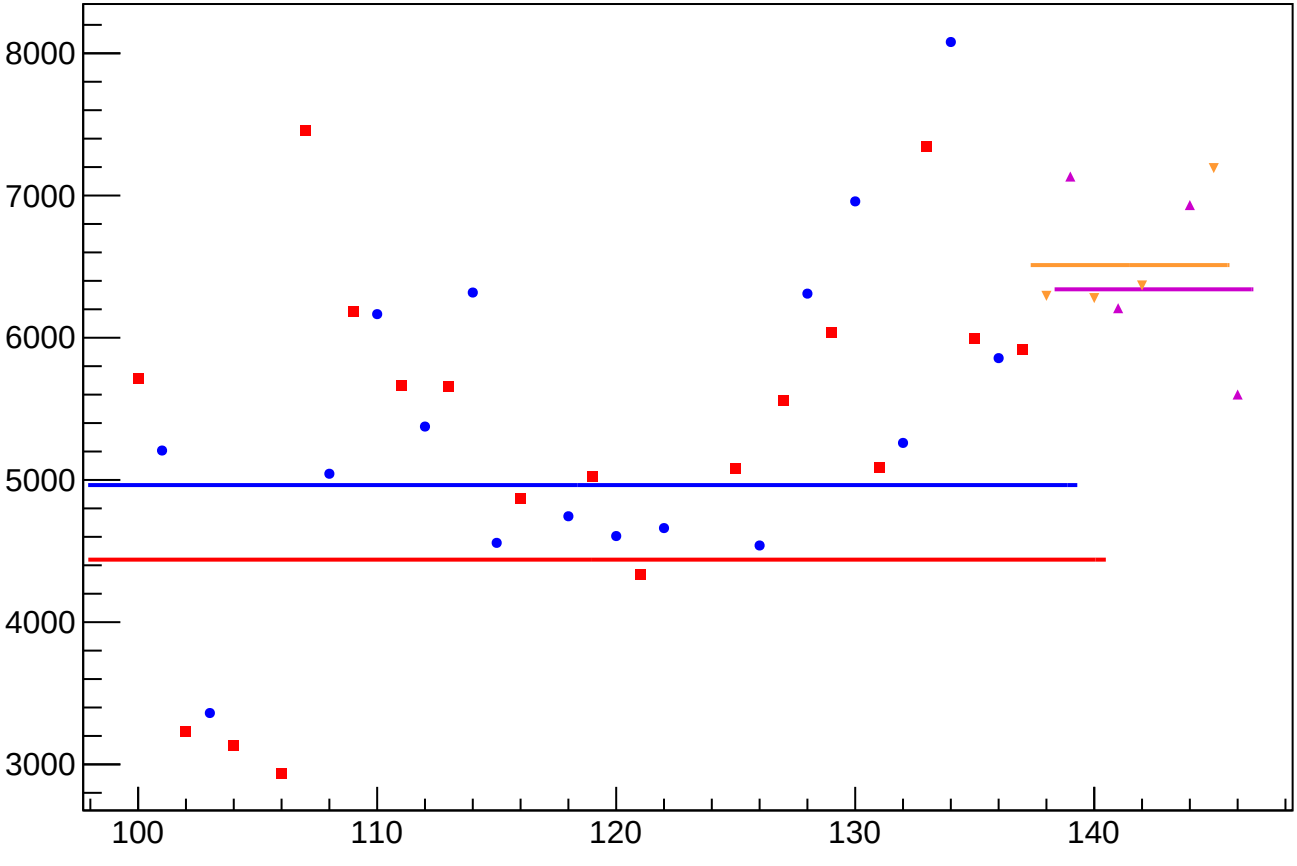
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -918.850+/-1656.393 χ^2/NDF:15.8/19

Out: 1772.758+/-1565.947 χ^2/NDF:22.7/21

All: 502.444+/-1137.924 χ^2/NDF: 39.9/41

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6510.878+/-2.734 χ^2/NDF:19043.2/3

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6340.451+/-2.407 χ^2/NDF:65724.3/3

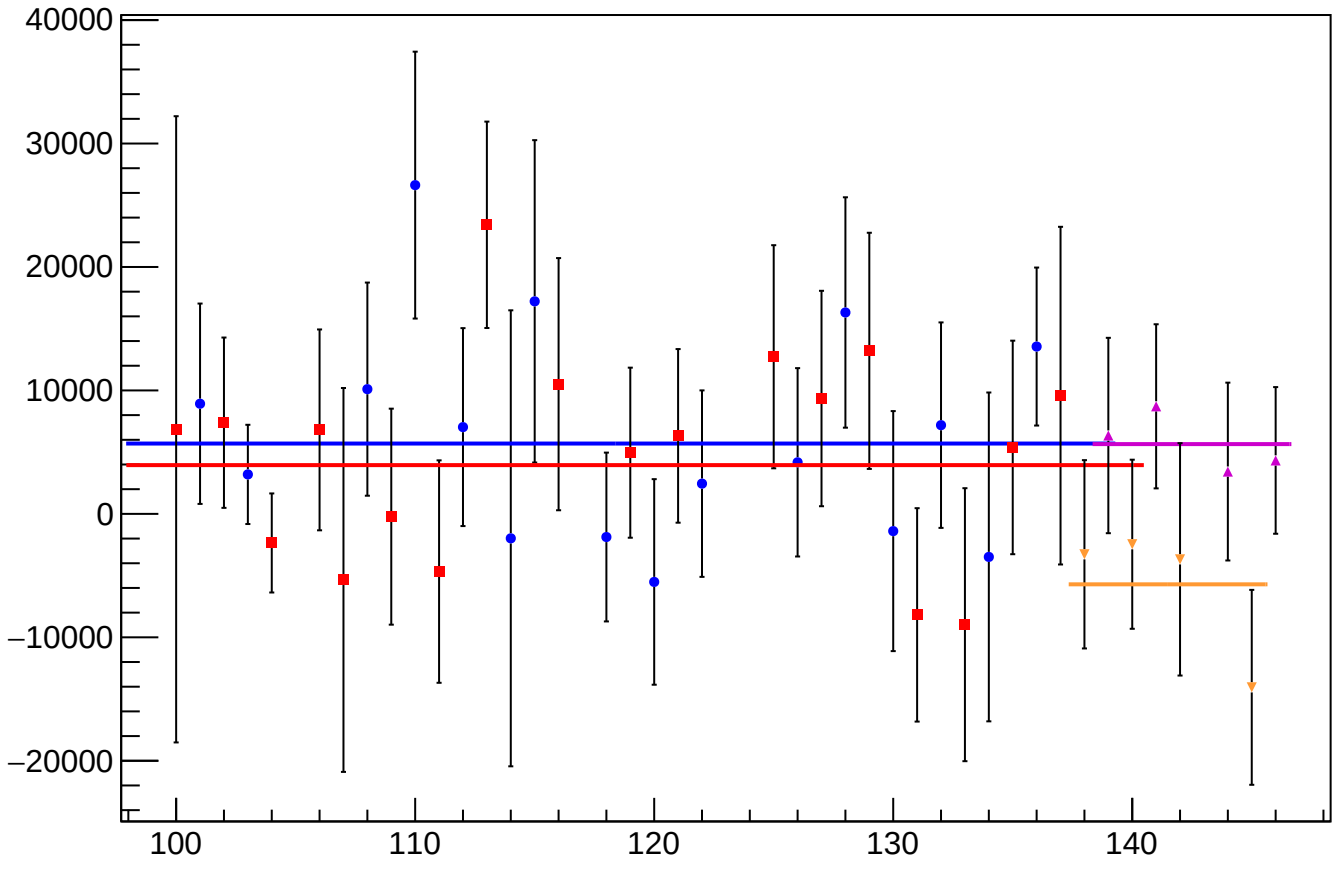
Left: 6414.864+/-1.807 χ^2/NDF: 86956.3/7

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5289.888+/-1.171 χ^2/NDF:942685.8/19

Out: 4779.354+/-1.107 χ^2/NDF:1657273.4/21

All: 5020.302+/-0.805 χ^2/NDF: 2700287.5/41



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -5707.380+/-3897.150 χ^2/NDF:1.5/3

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 5652.206+/-3405.706 χ^2/NDF:0.4/3

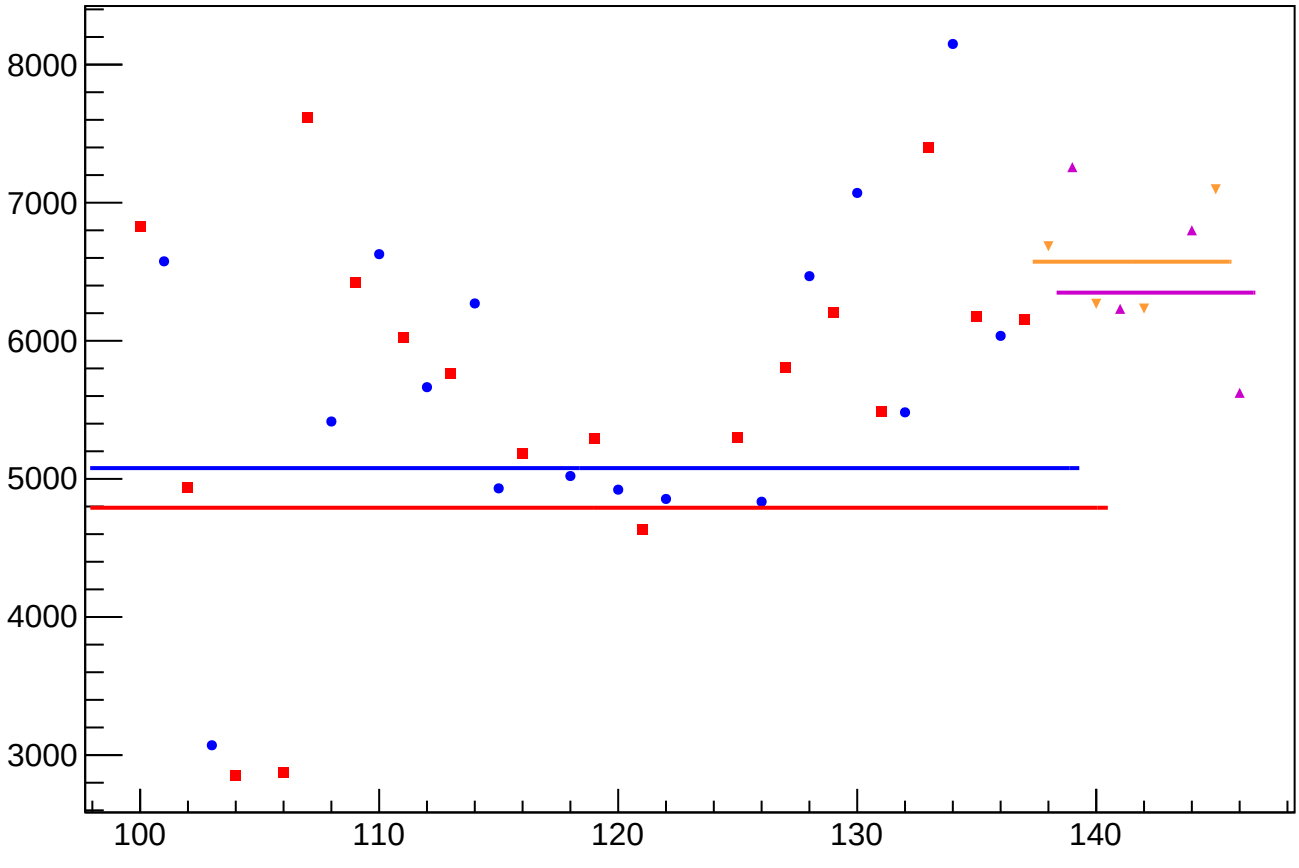
Left: 733.406+/-2564.457 χ^2/NDF: 6.7/7

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 5686.026+/-1698.254 χ^2/NDF:13.0/19

Out: 2062.365+/-1722.742 χ^2/NDF:22.6/21

All: 3900.133+/-1209.412 χ^2/NDF: 37.8/41



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6572.796+/-2.756 χ^2/NDF:15808.5/3

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6348.772+/-2.408 χ^2/NDF:64686.6/3

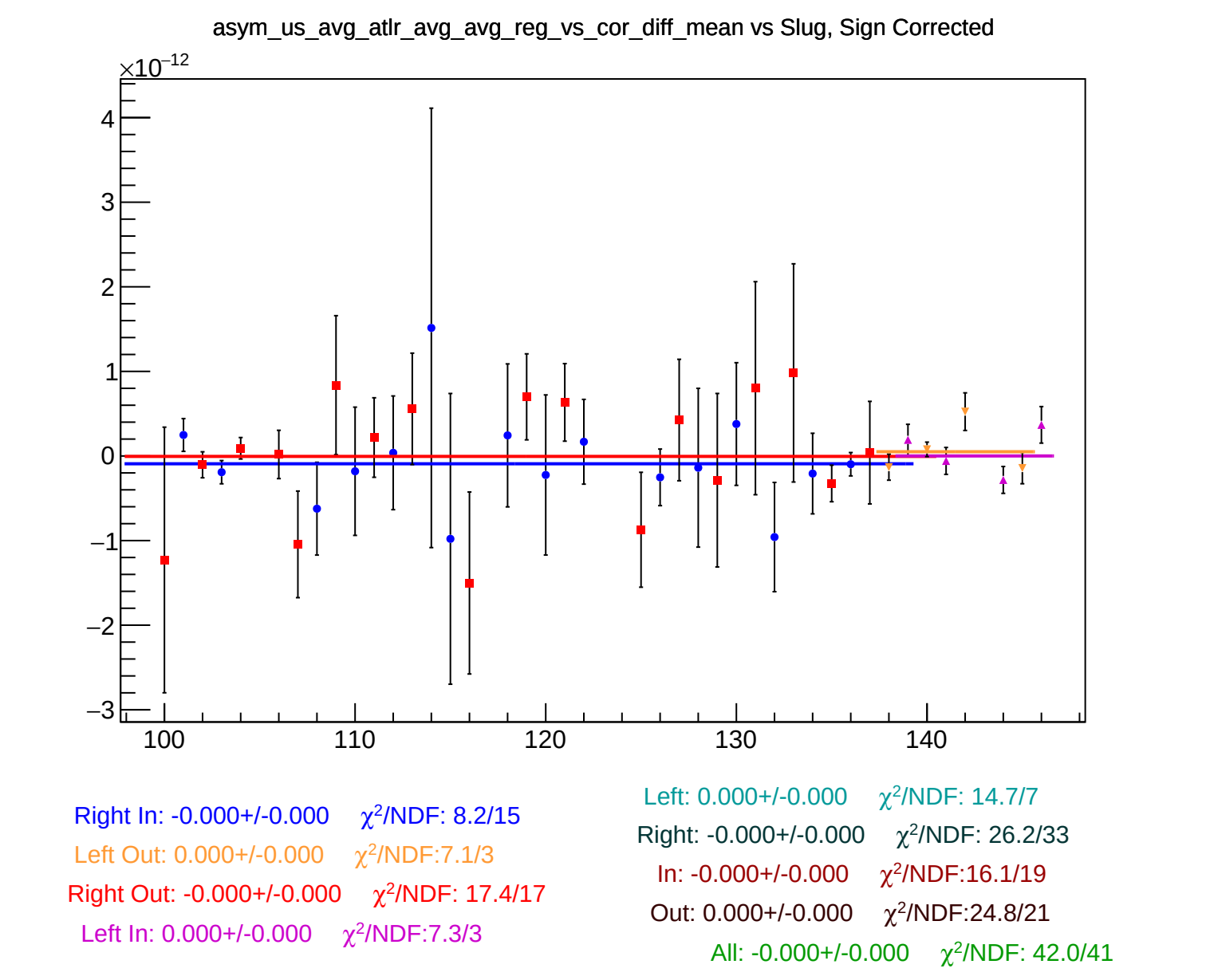
Left: 6445.777+/-1.813 χ^2/NDF: 84242.3/7

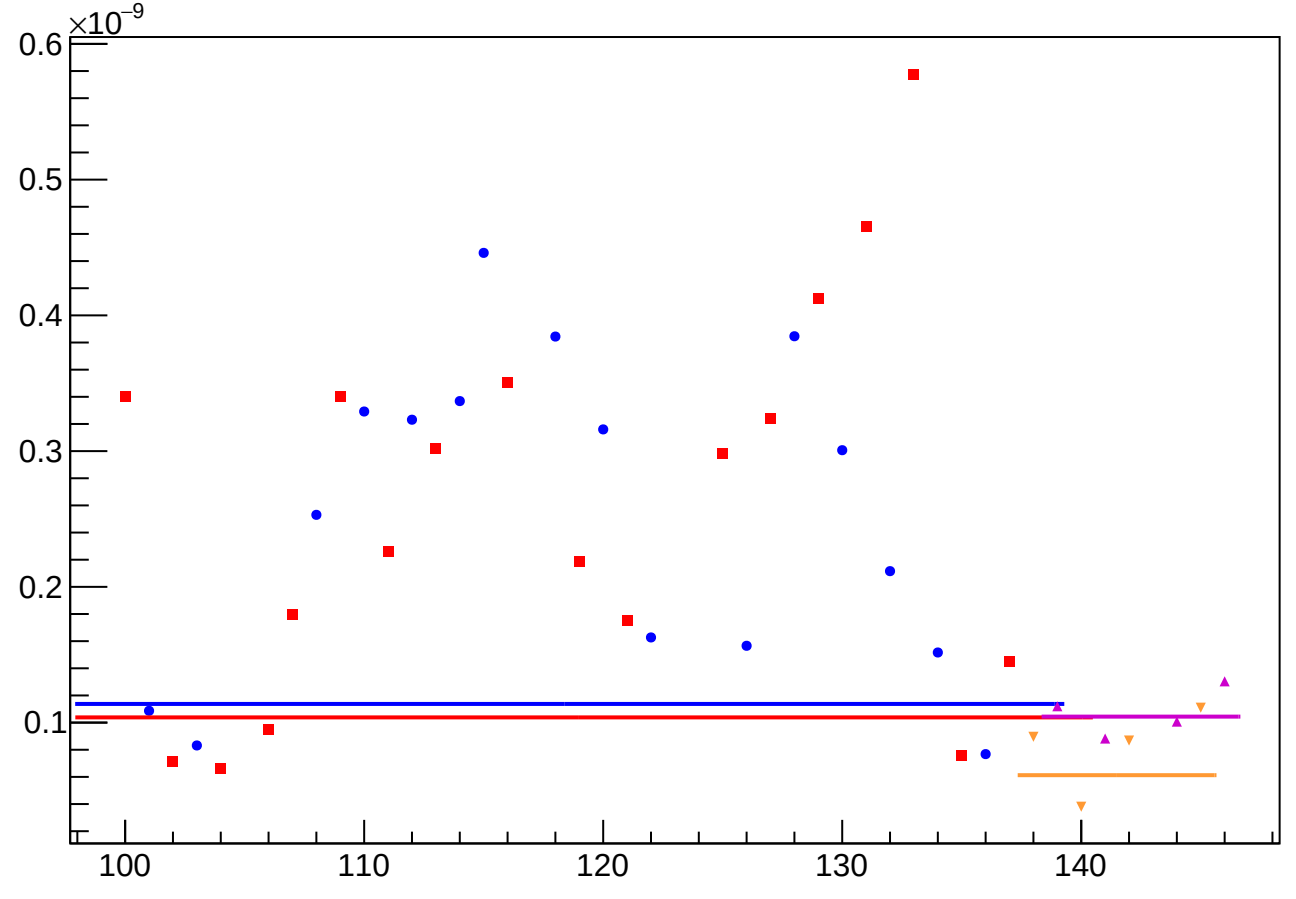
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5394.089+/-1.201 χ^2/NDF:1193061.1/19

Out: 5128.047+/-1.198 χ^2/NDF:1517224.1/21

All: 5260.788+/-0.848 χ^2/NDF: 2734878.7/41


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:7.1/3
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:7.3/3
Left: 0.000+/-0.000 χ²/NDF: 14.7/7
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:16.1/19
Out: 0.000+/-0.000 χ²/NDF:24.8/21
All: -0.000+/-0.000 χ²/NDF: 42.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:384621.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:54192.0/3

Left: 0.000+/-0.000 χ^2/NDF: 747395.0/7

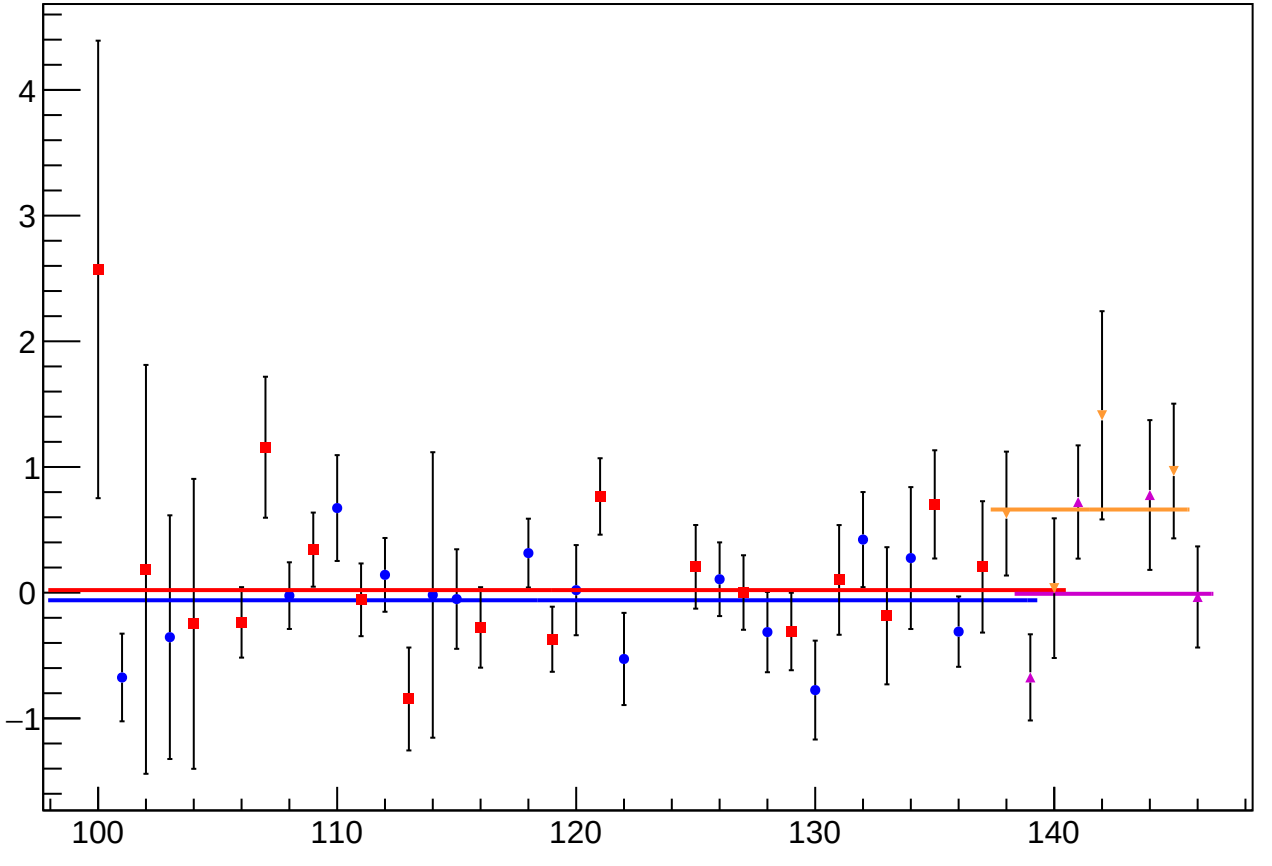
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:1591717.8/19

Out: 0.000+/-0.000 χ^2/NDF:2822350.4/21

All: 0.000+/-0.000 χ^2/NDF: 4724198.6/41

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: 0.662+/-0.285 χ^2/NDF:2.4/3

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.211 χ^2/NDF:8.1/3

Left: 0.228+/-0.170 χ^2/NDF: 14.1/7

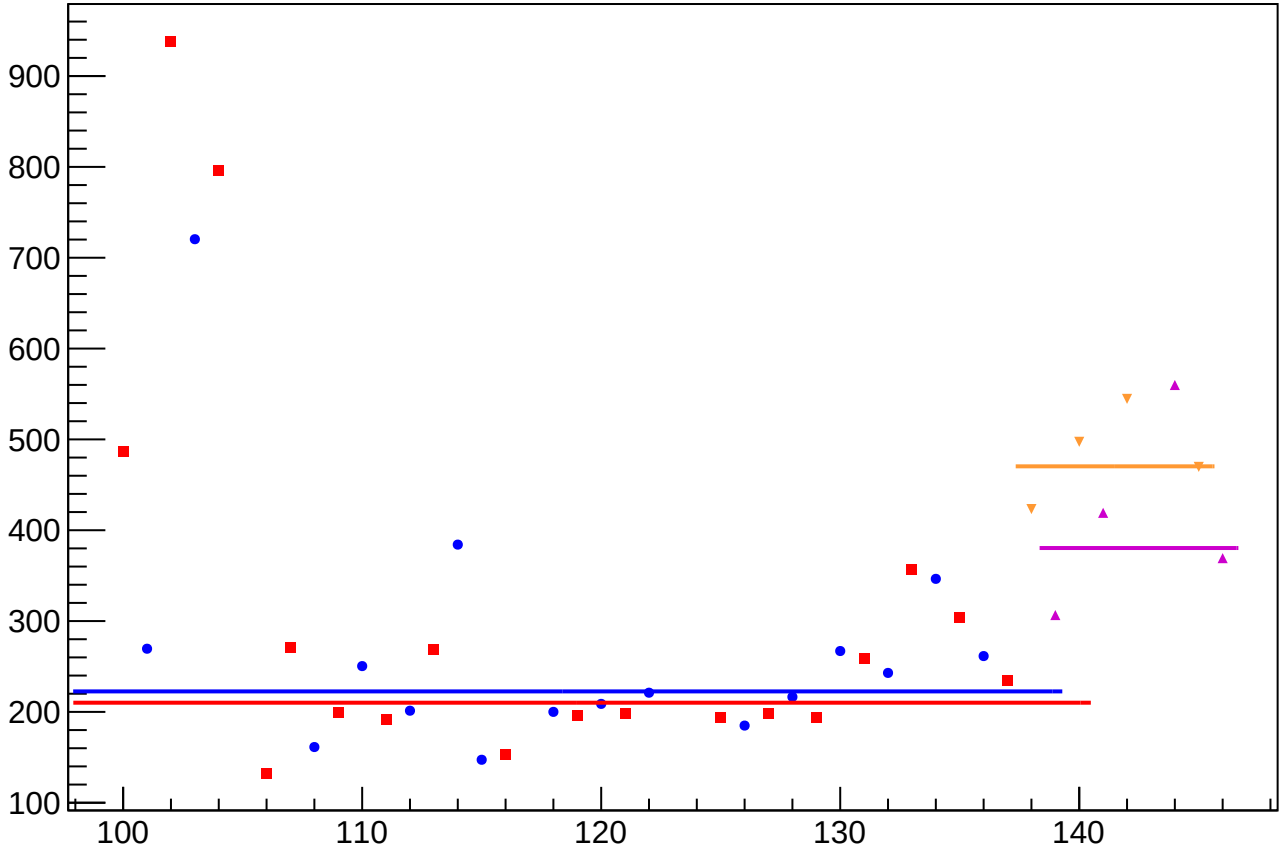
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.053+/-0.082 χ^2/NDF:25.5/19

Out: 0.076+/-0.084 χ^2/NDF:33.2/21

All: 0.010+/-0.058 χ^2/NDF: 59.9/41

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: 470.342+/-0.202 χ^2/NDF:39002.9/3

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 380.414+/-0.149 χ^2/NDF:290431.0/3

Left: 412.256+/-0.120 χ^2/NDF: 457870.2/7

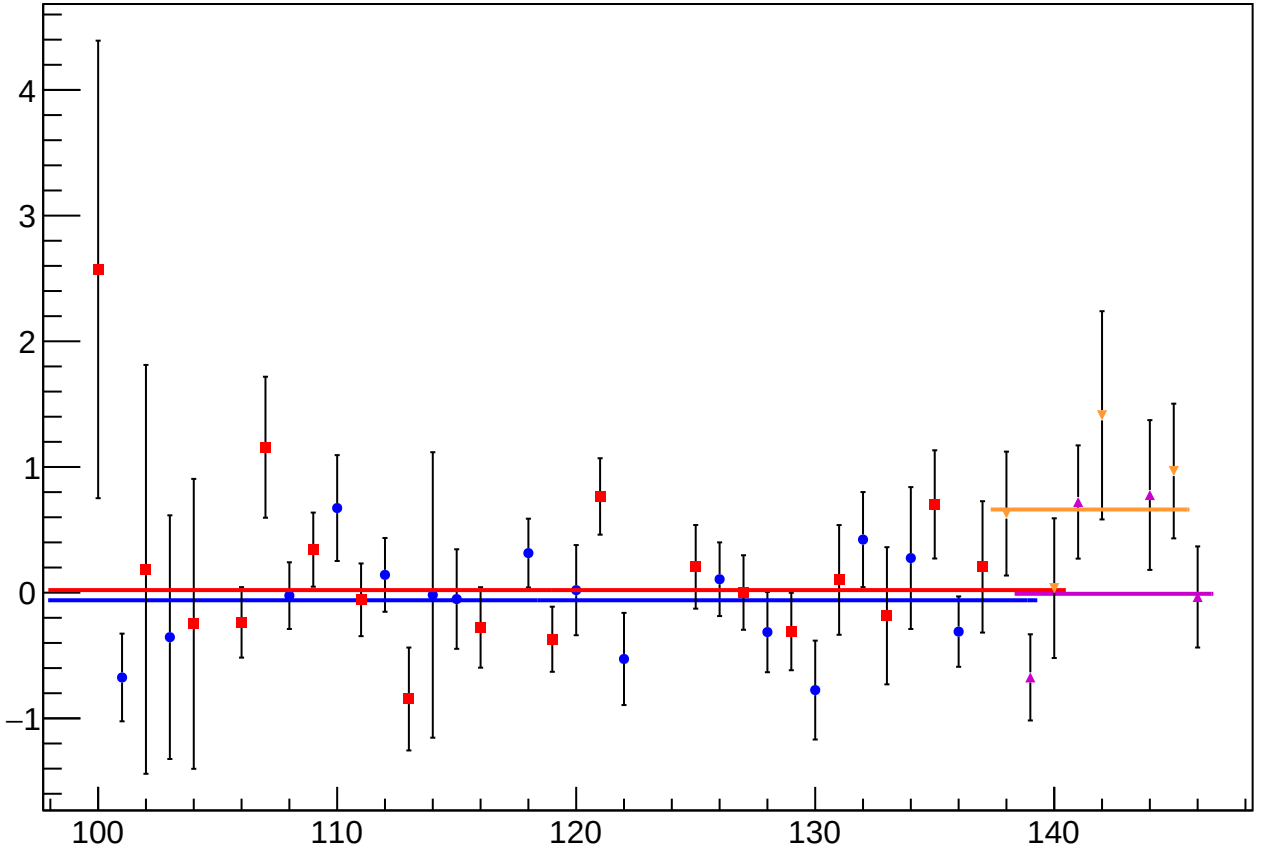
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 246.223+/-0.058 χ^2/NDF:2259247.5/19

Out: 232.476+/-0.059 χ^2/NDF:3109452.0/21

All: 239.503+/-0.041 χ^2/NDF: 5396350.3/41

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.662+/-0.285 χ^2/NDF:2.4/3

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.211 χ^2/NDF:8.1/3

Left: 0.228+/-0.170 χ^2/NDF: 14.1/7

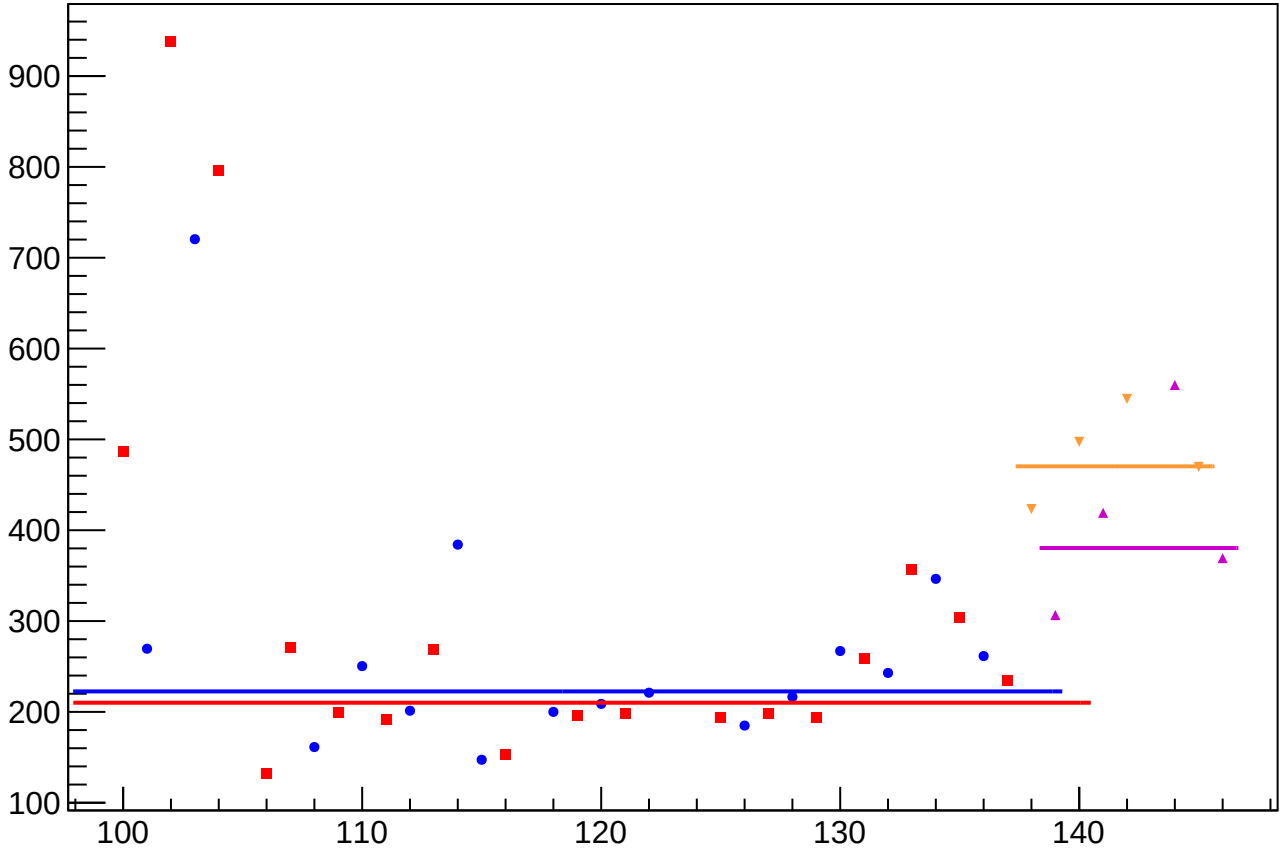
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.053+/-0.082 χ^2/NDF:25.5/19

Out: 0.076+/-0.084 χ^2/NDF:33.2/21

All: 0.010+/-0.058 χ^2/NDF: 59.9/41

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: 470.342+/-0.202 χ^2/NDF:39002.9/3

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 380.414+/-0.149 χ^2/NDF:290431.0/3

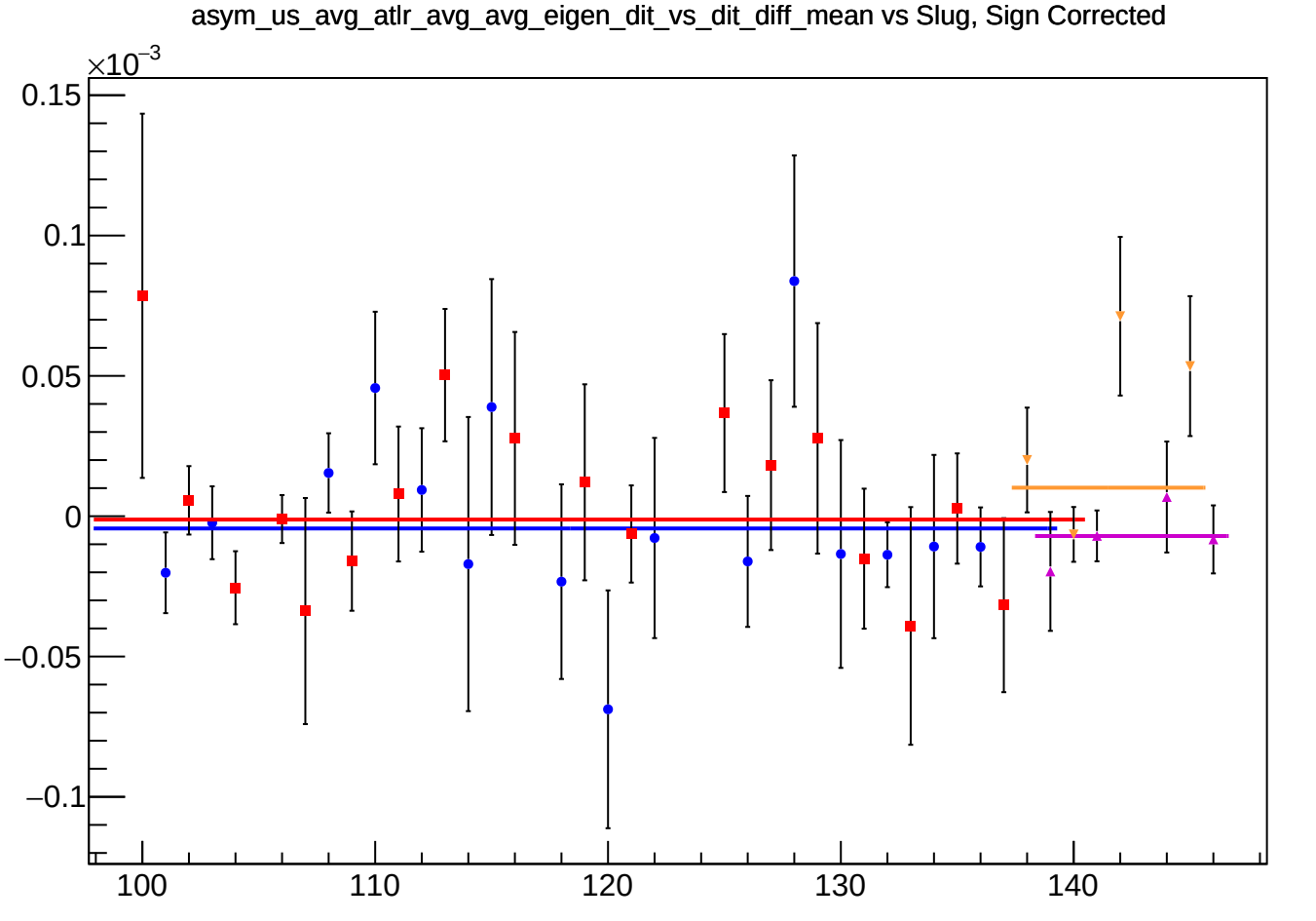
Left: 412.256+/-0.120 χ^2/NDF: 457870.2/7

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 246.223+/-0.058 χ^2/NDF:2259247.5/19

Out: 232.476+/-0.059 χ^2/NDF:3109452.0/21

All: 239.503+/-0.041 χ^2/NDF: 5396350.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.9/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/3

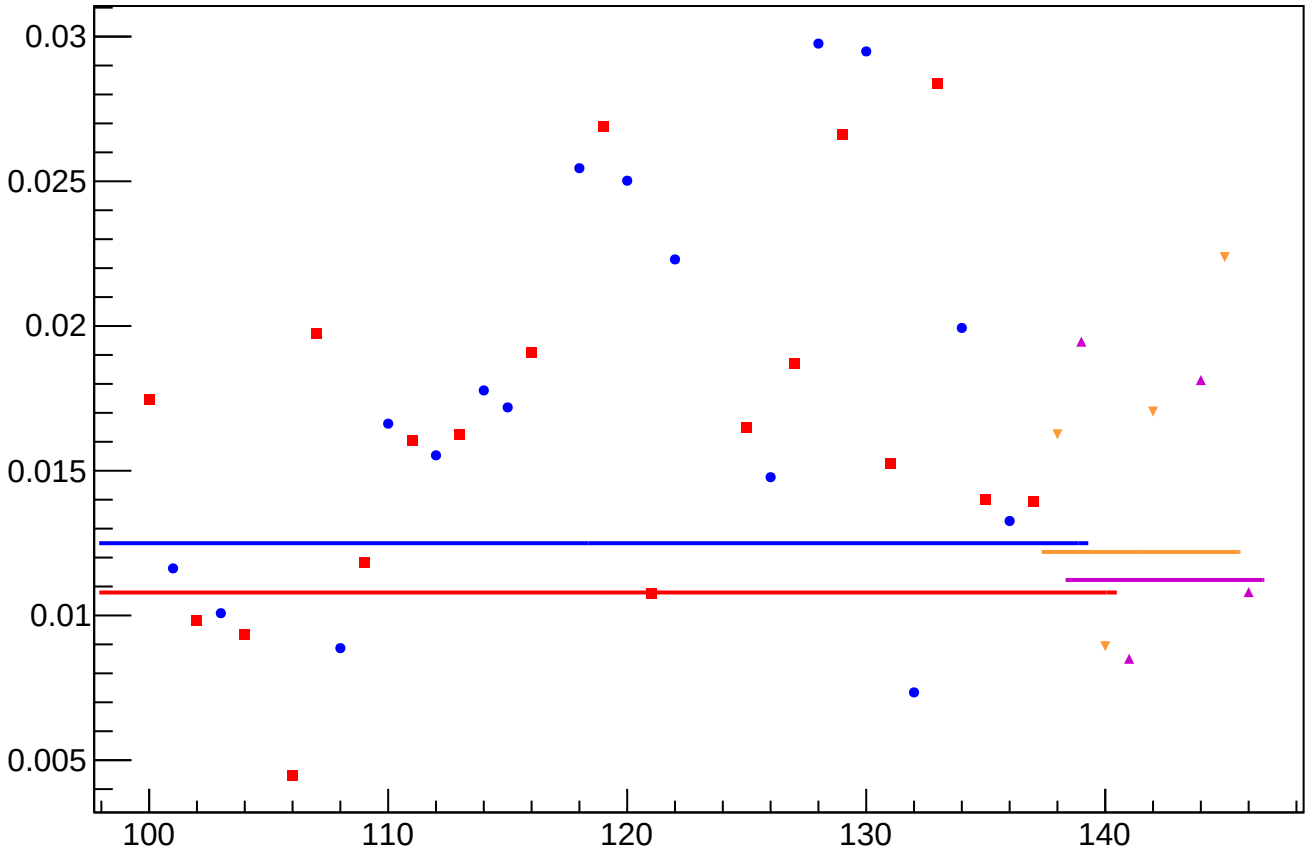
Left: -0.000+/-0.000 χ^2/NDF: 14.6/7

Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:16.6/19

Out: 0.000+/-0.000 χ^2/NDF:29.7/21

All: -0.000+/-0.000 χ^2/NDF: 47.9/41



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:710141.6/3

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.011+/-0.000 χ^2/NDF:729205.2/3

Left: 0.012+/-0.000 χ^2/NDF: 1457376.2/7

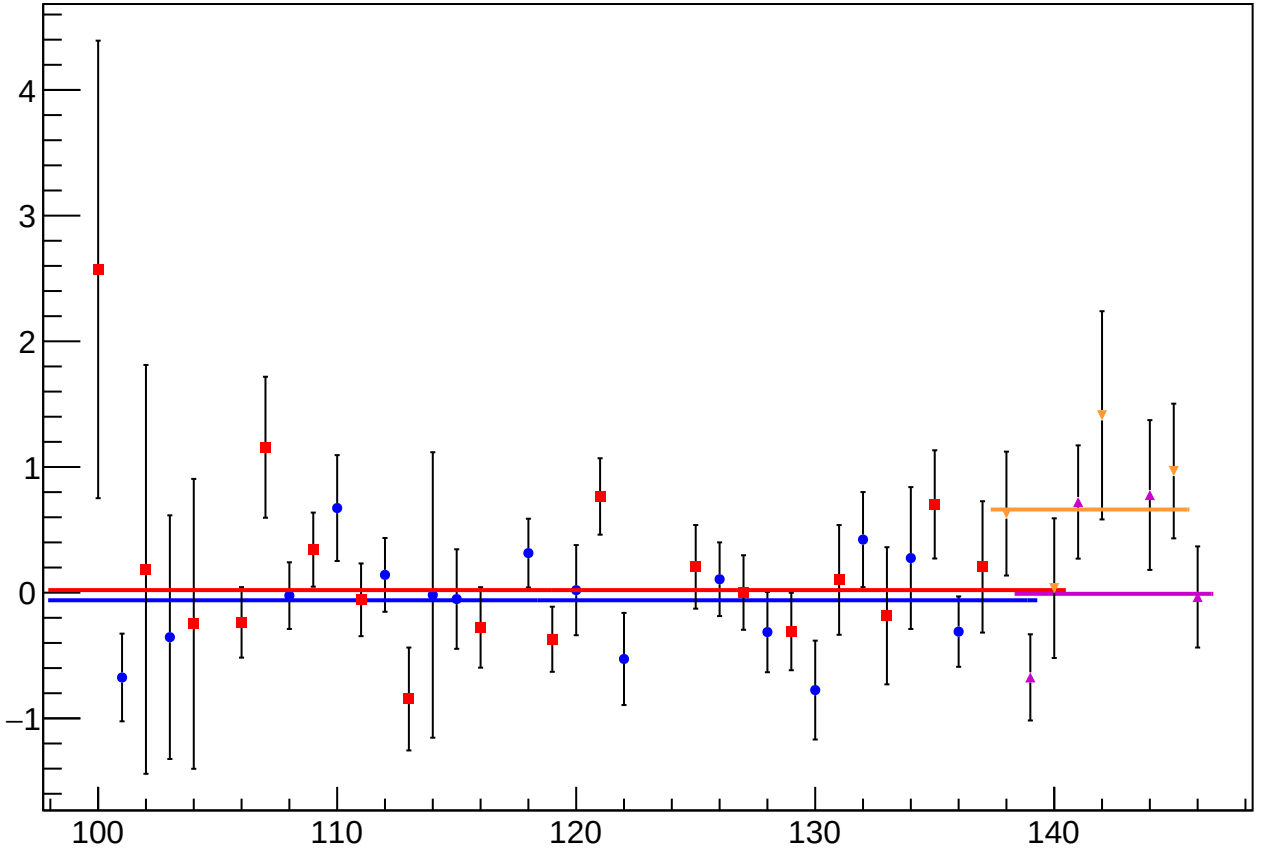
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.012+/-0.000 χ^2/NDF:2891677.9/19

Out: 0.011+/-0.000 χ^2/NDF:3745359.9/21

All: 0.012+/-0.000 χ^2/NDF: 6684054.5/41

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: 0.662+/-0.285 χ^2/NDF:2.4/3

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.211 χ^2/NDF:8.1/3

Left: 0.228+/-0.170 χ^2/NDF: 14.1/7

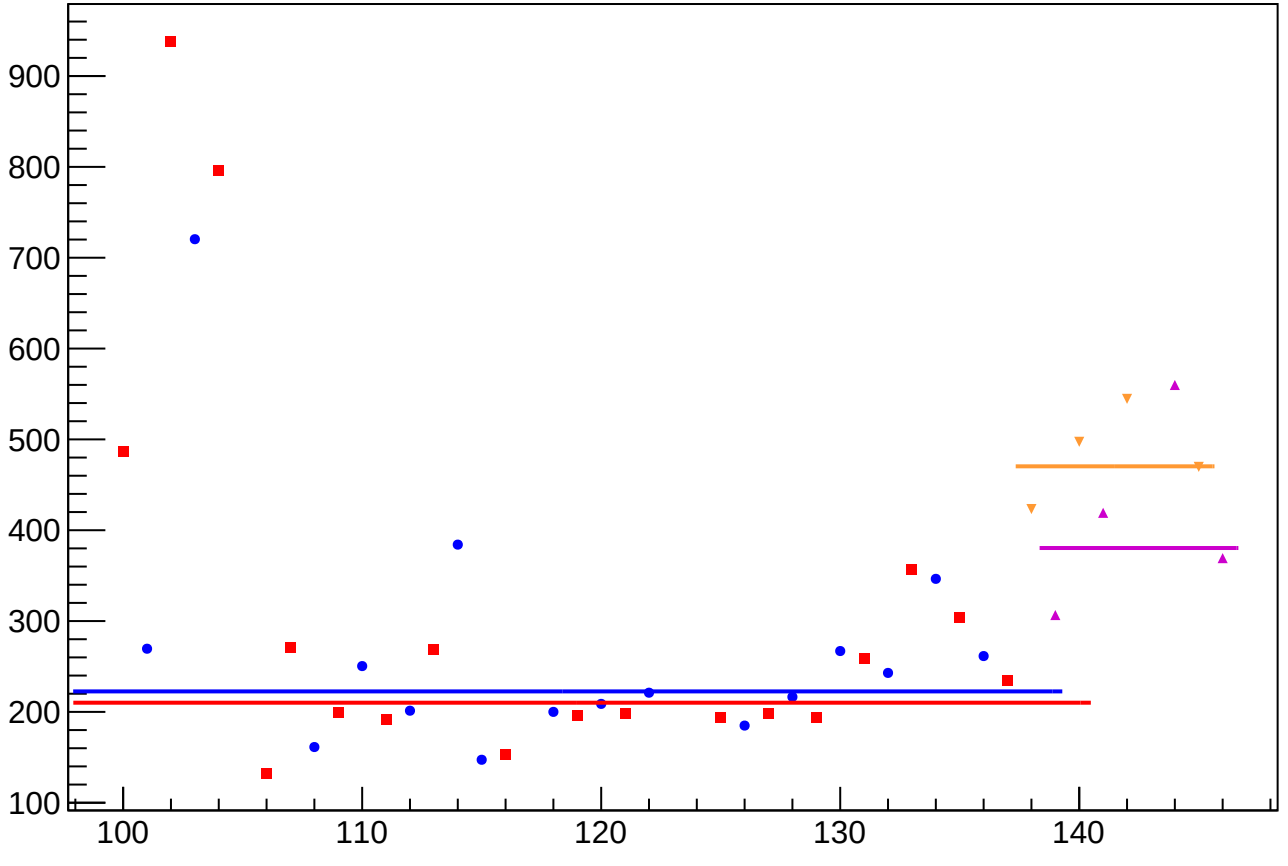
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.053+/-0.082 χ^2/NDF:25.5/19

Out: 0.076+/-0.084 χ^2/NDF:33.2/21

All: 0.010+/-0.058 χ^2/NDF: 59.9/41

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: 470.347+/-0.202 χ^2/NDF:39003.7/3

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 380.420+/-0.149 χ^2/NDF:290420.2/3

Left: 412.262+/-0.120 χ^2/NDF: 457853.3/7

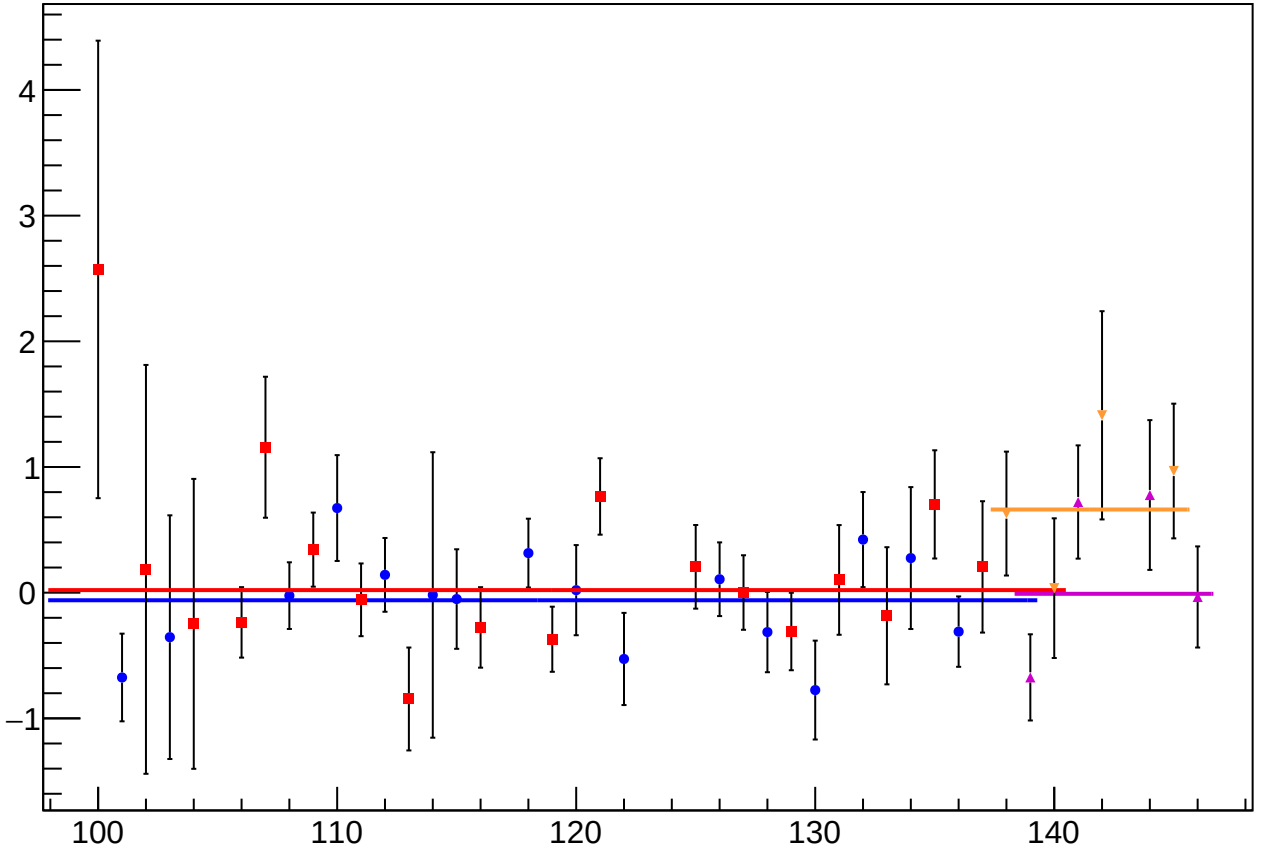
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 246.222+/-0.058 χ^2/NDF:2259295.0/19

Out: 232.473+/-0.059 χ^2/NDF:3109496.3/21

All: 239.501+/-0.041 χ^2/NDF: 5396447.9/41

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: 0.662+/-0.285 χ^2/NDF:2.4/3

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.211 χ^2/NDF:8.1/3

Left: 0.228+/-0.170 χ^2/NDF: 14.1/7

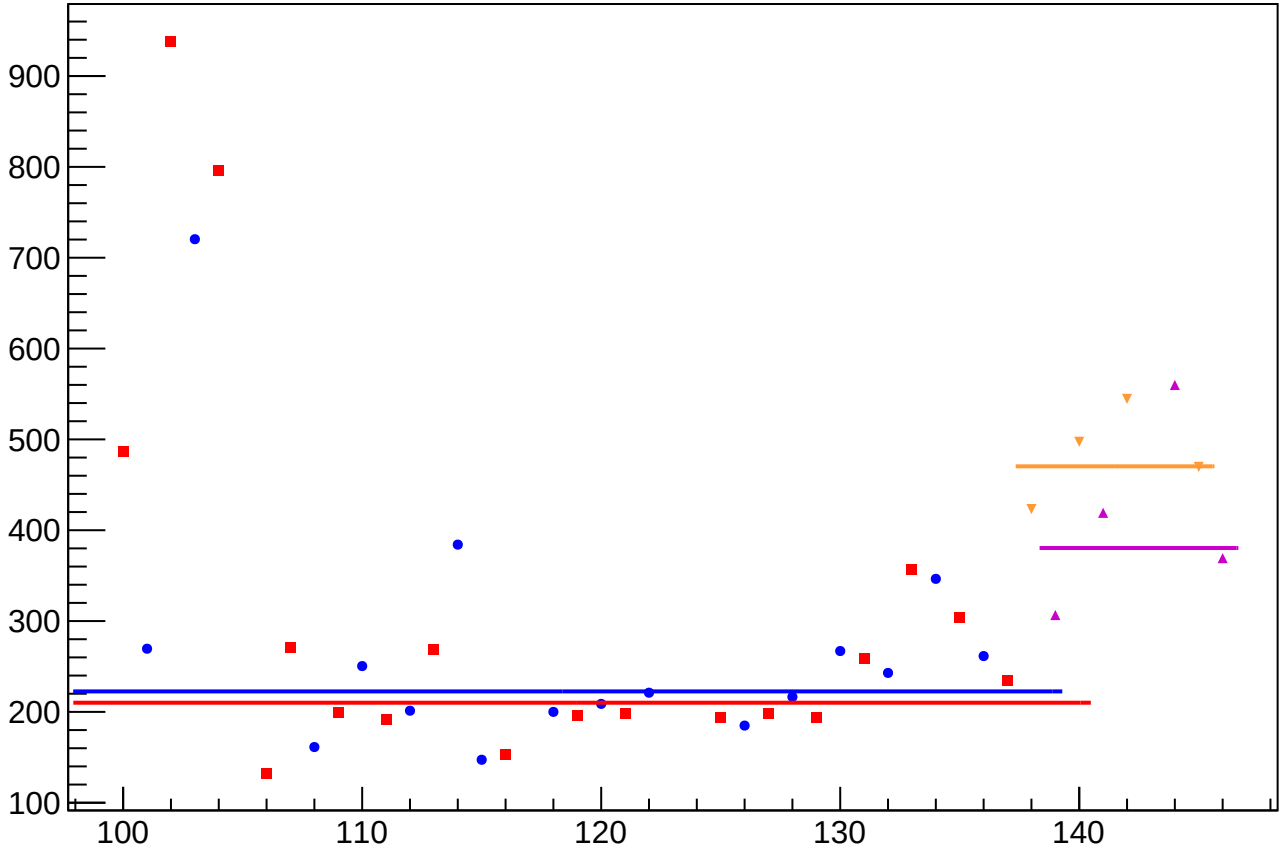
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.053+/-0.082 χ^2/NDF:25.5/19

Out: 0.076+/-0.084 χ^2/NDF:33.2/21

All: 0.010+/-0.058 χ^2/NDF: 59.9/41

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: 470.347+/-0.202 χ^2/NDF:39003.7/3

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 380.420+/-0.149 χ^2/NDF:290420.2/3

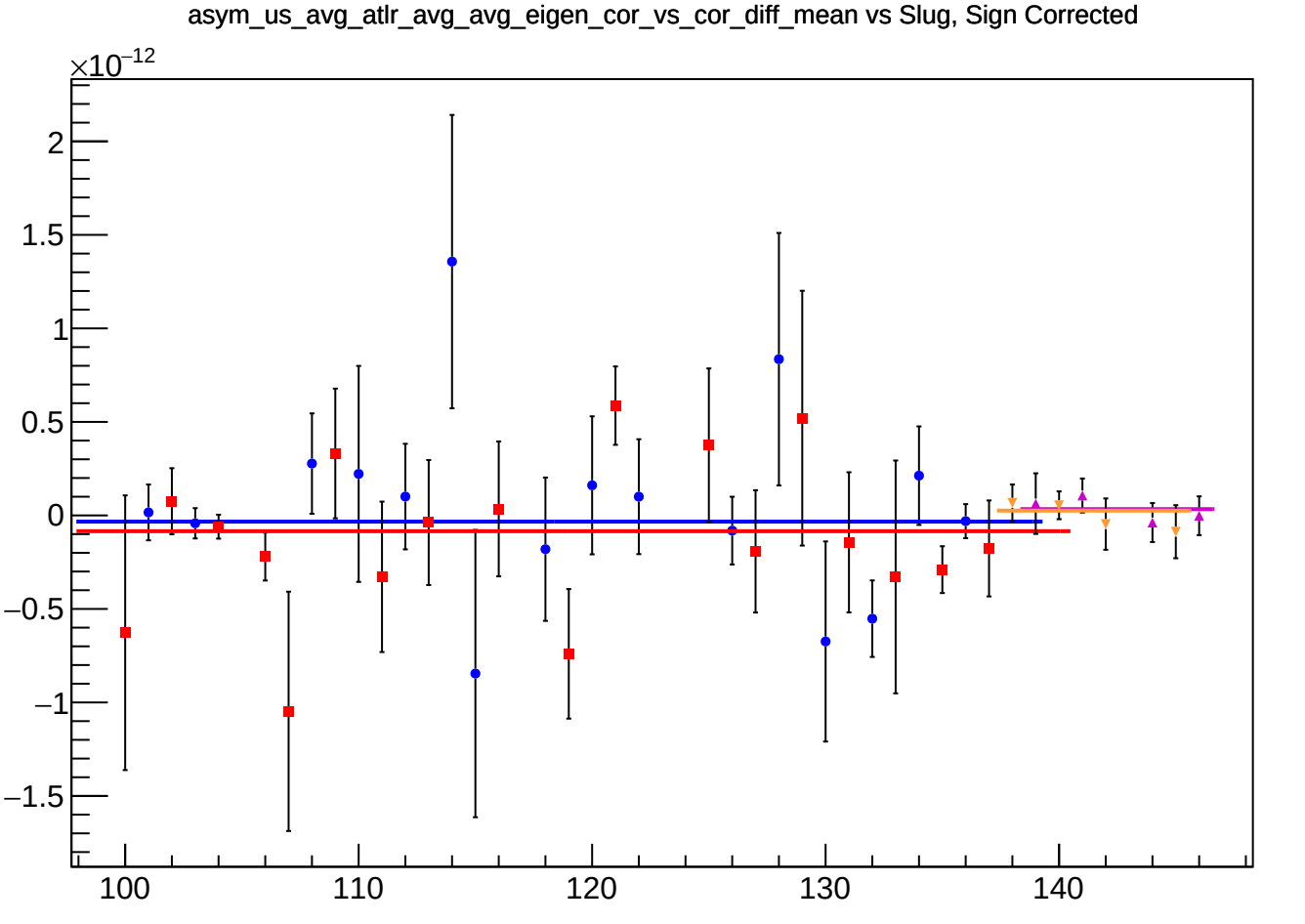
Left: 412.262+/-0.120 χ^2/NDF: 457853.3/7

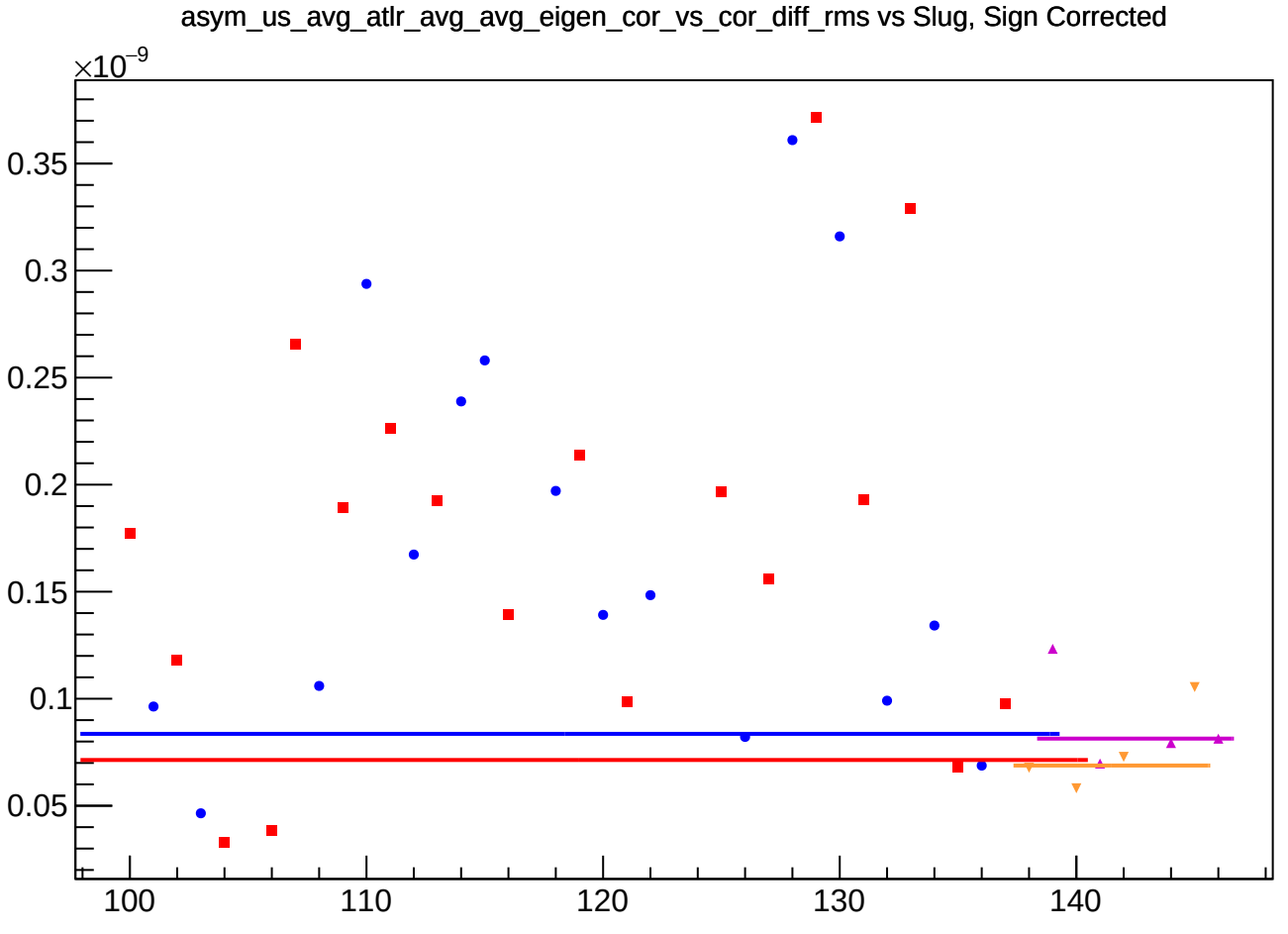
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 246.222+/-0.058 χ^2/NDF:2259295.0/19

Out: 232.473+/-0.059 χ^2/NDF:3109496.3/21

All: 239.501+/-0.041 χ^2/NDF: 5396447.9/41


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1.2/3
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: 0.000+/-0.000 χ²/NDF:1.3/3
Left: 0.000+/-0.000 χ²/NDF: 2.5/7
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:19.4/19
Out: -0.000+/-0.000 χ²/NDF:29.7/21
All: -0.000+/-0.000 χ²/NDF: 49.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:176199.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

Left In: 0.000+/-0.000 χ^2/NDF:167526.1/3

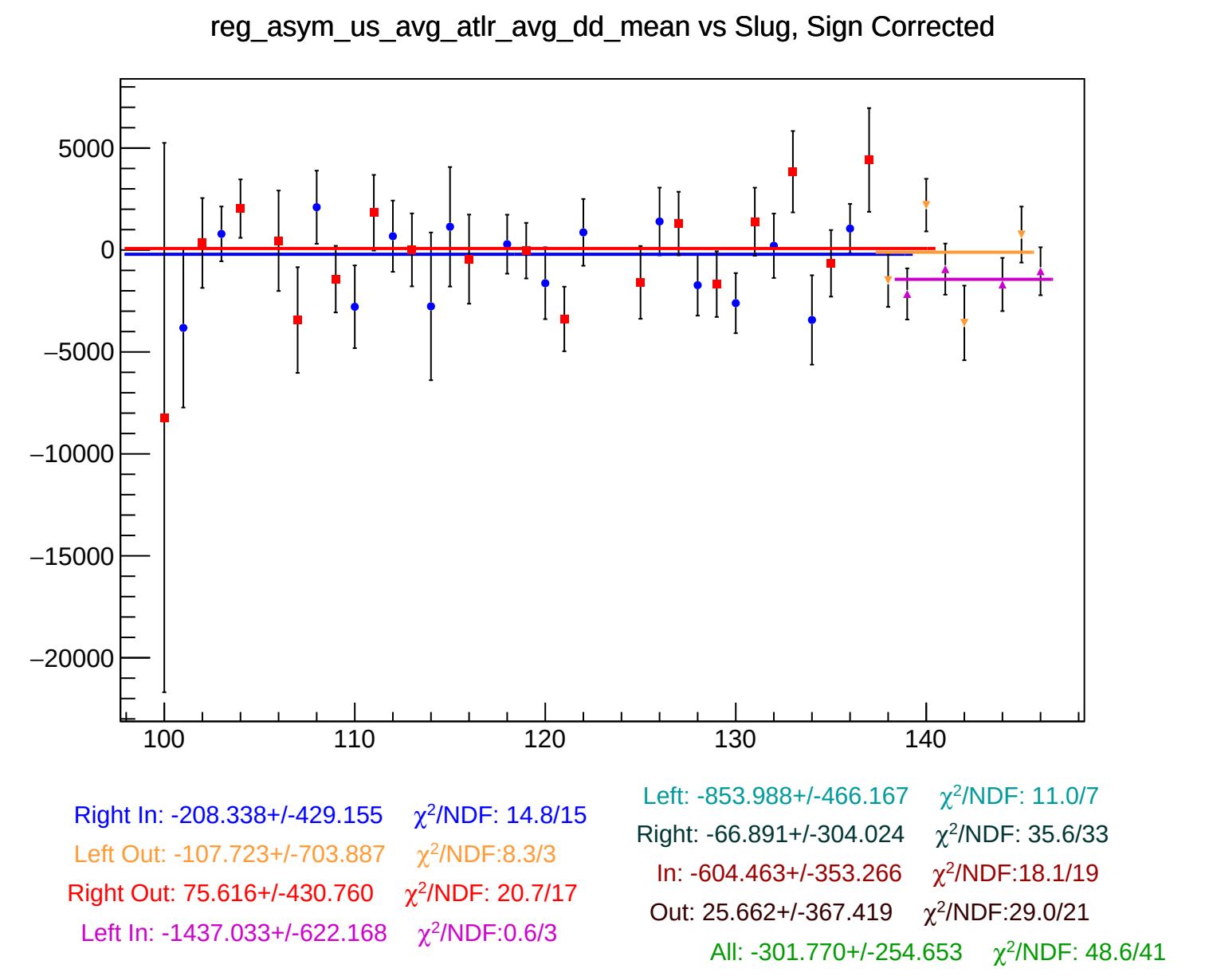
Left: 0.000+/-0.000 χ^2/NDF: 401285.5/7

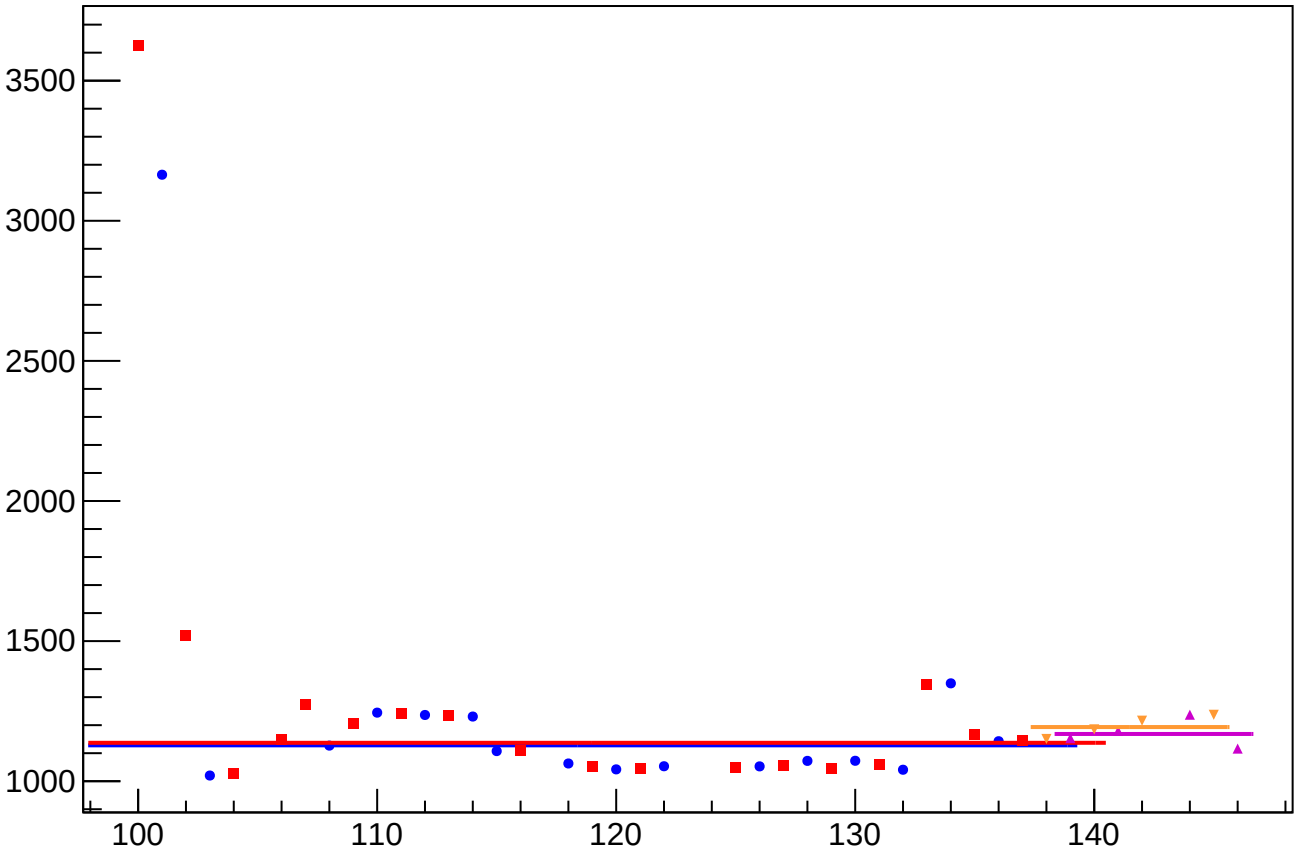
Right: 0.000+/-0.000 χ^2/NDF: 6051897.3/33

In: 0.000+/-0.000 χ^2/NDF:2404879.0/19

Out: 0.000+/-0.000 χ^2/NDF:3924305.7/21

All: 0.000+/-0.000 χ^2/NDF: 6457941.0/41


reg_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
Right In: -208.338+/-429.155 χ²/NDF: 14.8/15
Left Out: -107.723+/-703.887 χ²/NDF:8.3/3
Right Out: 75.616+/-430.760 χ²/NDF: 20.7/17
Left In: -1437.033+/-622.168 χ²/NDF:0.6/3
Left: -853.988+/-466.167 χ²/NDF: 11.0/7
Right: -66.891+/-304.024 χ²/NDF: 35.6/33
In: -604.463+/-353.266 χ²/NDF:18.1/19
Out: 25.662+/-367.419 χ²/NDF:29.0/21
All: -301.770+/-254.653 χ²/NDF: 48.6/41



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1193.270+/-0.498 χ^2/NDF:4552.0/3

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1168.587+/-0.440 χ^2/NDF:9935.0/3

Left: 1179.413+/-0.330 χ^2/NDF: 15867.6/7

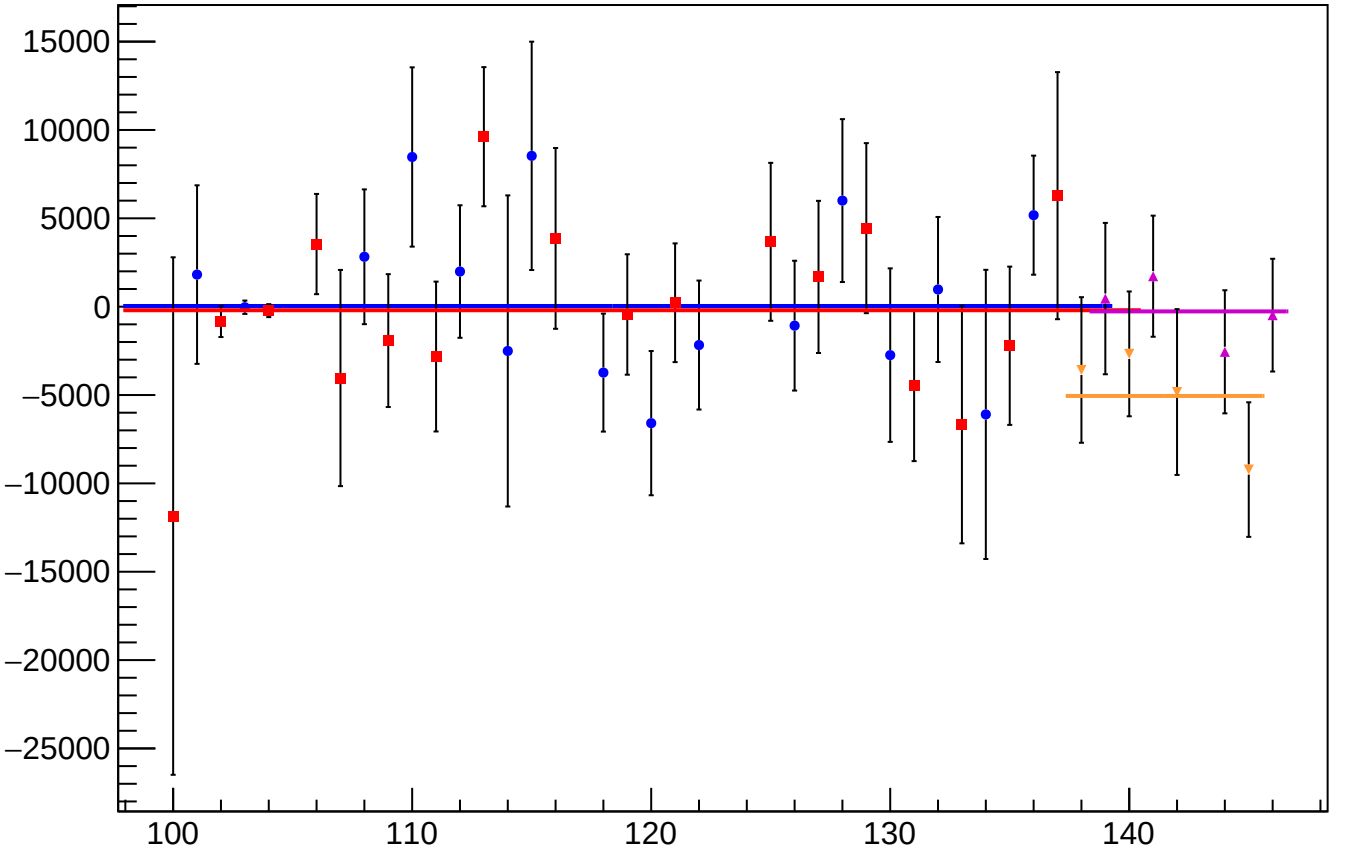
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1141.090+/-0.250 χ^2/NDF:637094.6/19

Out: 1152.321+/-0.259 χ^2/NDF:233932.5/21

All: 1146.492+/-0.180 χ^2/NDF: 871999.5/41

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -5051.396+/-1986.183 χ^2/NDF:1.8/3

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -267.627+/-1766.754 χ^2/NDF:0.8/3

Left: -2380.764+/-1320.073 χ^2/NDF: 5.8/7

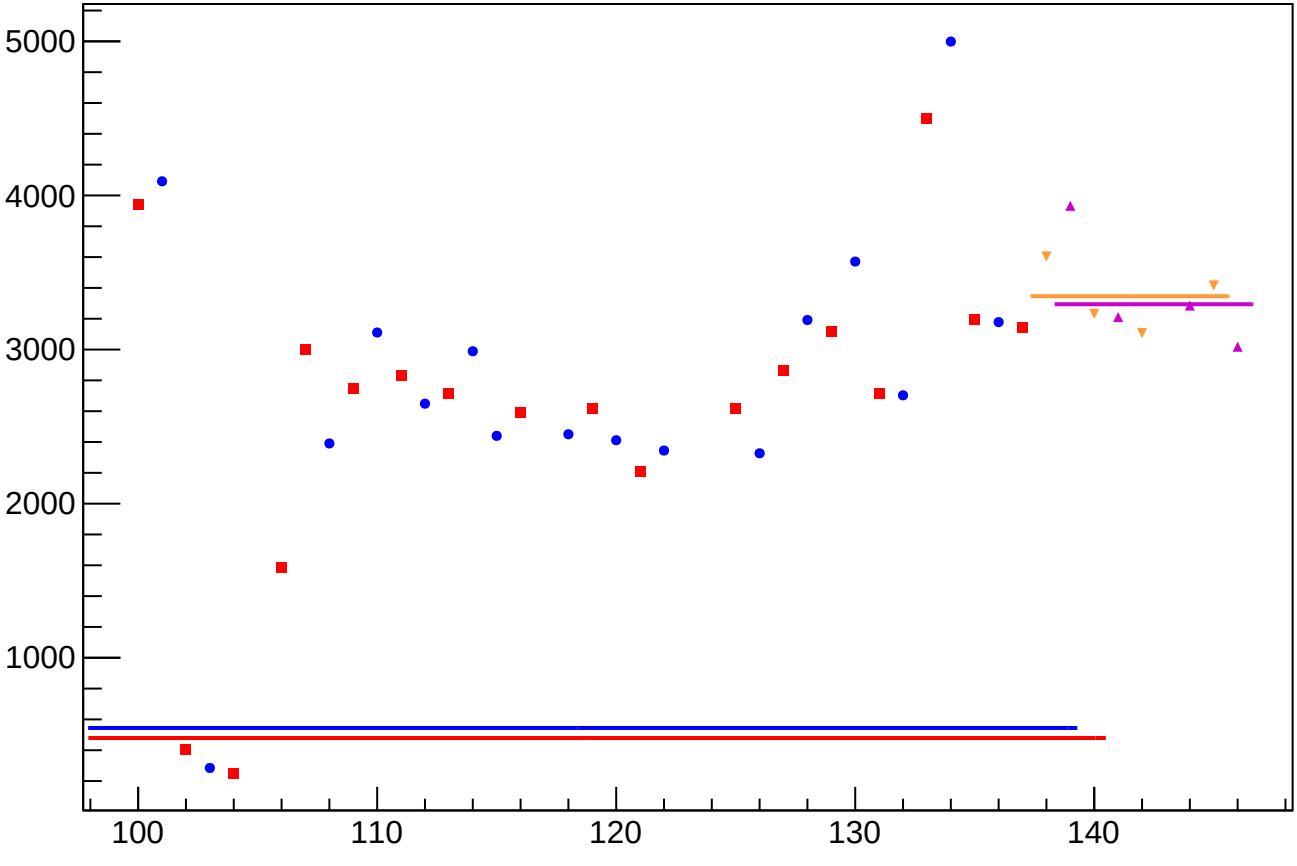
Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: 26.257+/-350.541 χ^2/NDF:15.7/19

Out: -326.253+/-318.374 χ^2/NDF:23.2/21

All: -166.910+/-235.678 χ^2/NDF: 39.4/41

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3345.918+/-1.404 χ^2/NDF:15836.5/3

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3294.106+/-1.249 χ^2/NDF:60626.6/3

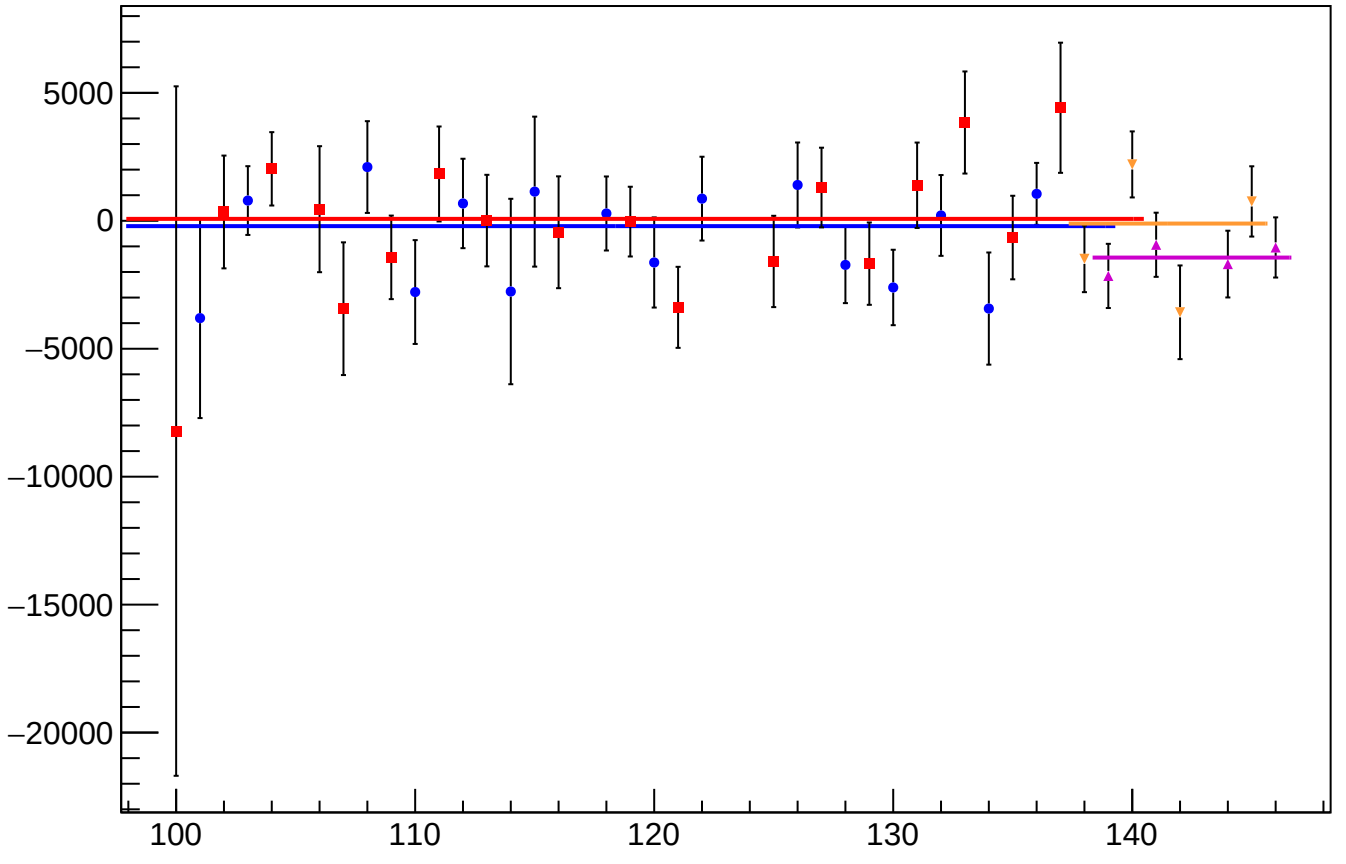
Left: 3316.993+/-0.933 χ^2/NDF: 77222.9/7

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 652.584+/-0.248 χ^2/NDF:14397614.5/19

Out: 552.910+/-0.225 χ^2/NDF:13263021.9/21

All: 597.965+/-0.167 χ^2/NDF: 27749246.6/41



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: -107.823+/-703.887 χ^2/NDF:8.3/3

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -1437.199+/-622.168 χ^2/NDF:0.6/3

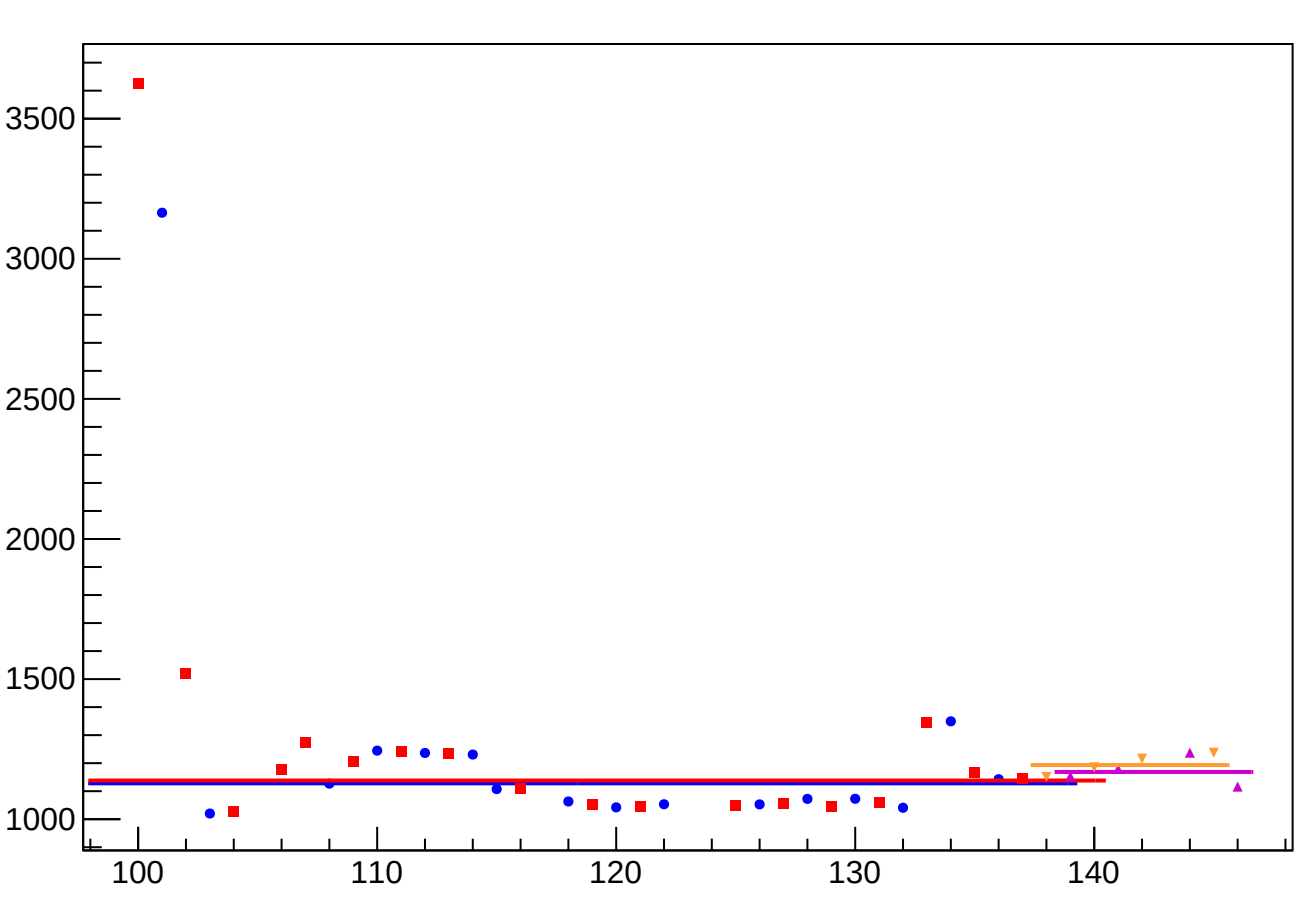
Left: -854.125+/-466.167 χ^2/NDF: 11.0/7

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -604.362+/-353.266 χ^2/NDF:18.0/19

Out: 25.740+/-367.419 χ^2/NDF:29.0/21

All: -301.680+/-254.653 χ^2/NDF: 48.6/41



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1193.270+/-0.498 χ^2/NDF:4552.0/3

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1168.587+/-0.440 χ^2/NDF:9935.0/3

Left: 1179.413+/-0.330 χ^2/NDF: 15867.6/7

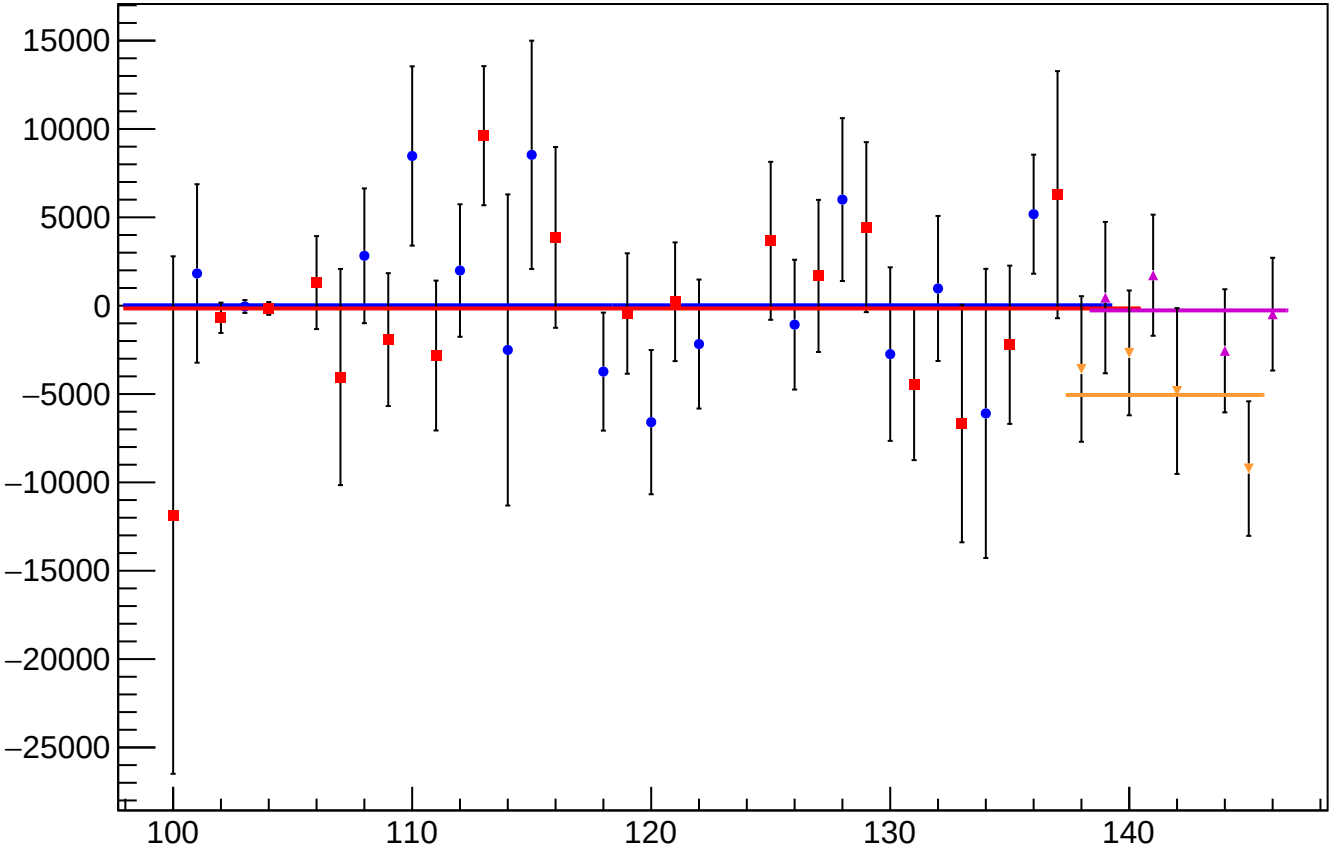
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1141.090+/-0.250 χ^2/NDF:637095.8/19

Out: 1153.047+/-0.260 χ^2/NDF:234150.5/21

All: 1146.836+/-0.180 χ^2/NDF: 872347.3/41

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -5051.472+/-1986.181 χ^2/NDF:1.8/3

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -267.642+/-1766.754 χ^2/NDF:0.8/3

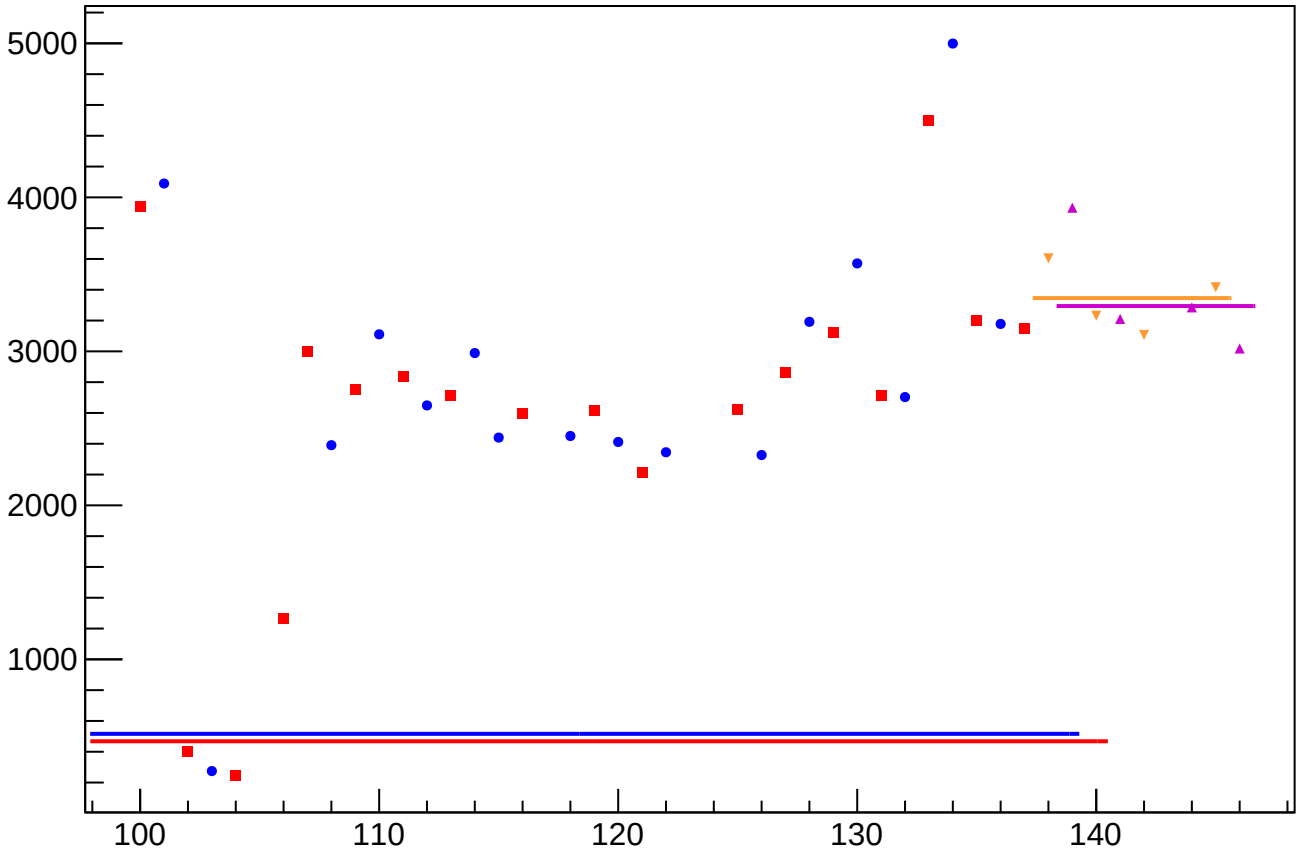
Left: -2380.809+/-1320.073 χ^2/NDF: 5.8/7

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 11.047+/-338.156 χ^2/NDF:15.7/19

Out: -278.105+/-313.392 χ^2/NDF:21.7/21

All: -144.503+/-229.858 χ^2/NDF: 37.8/41



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3345.913+/-1.404 χ^2/NDF:15836.0/3

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3294.105+/-1.249 χ^2/NDF:60627.6/3

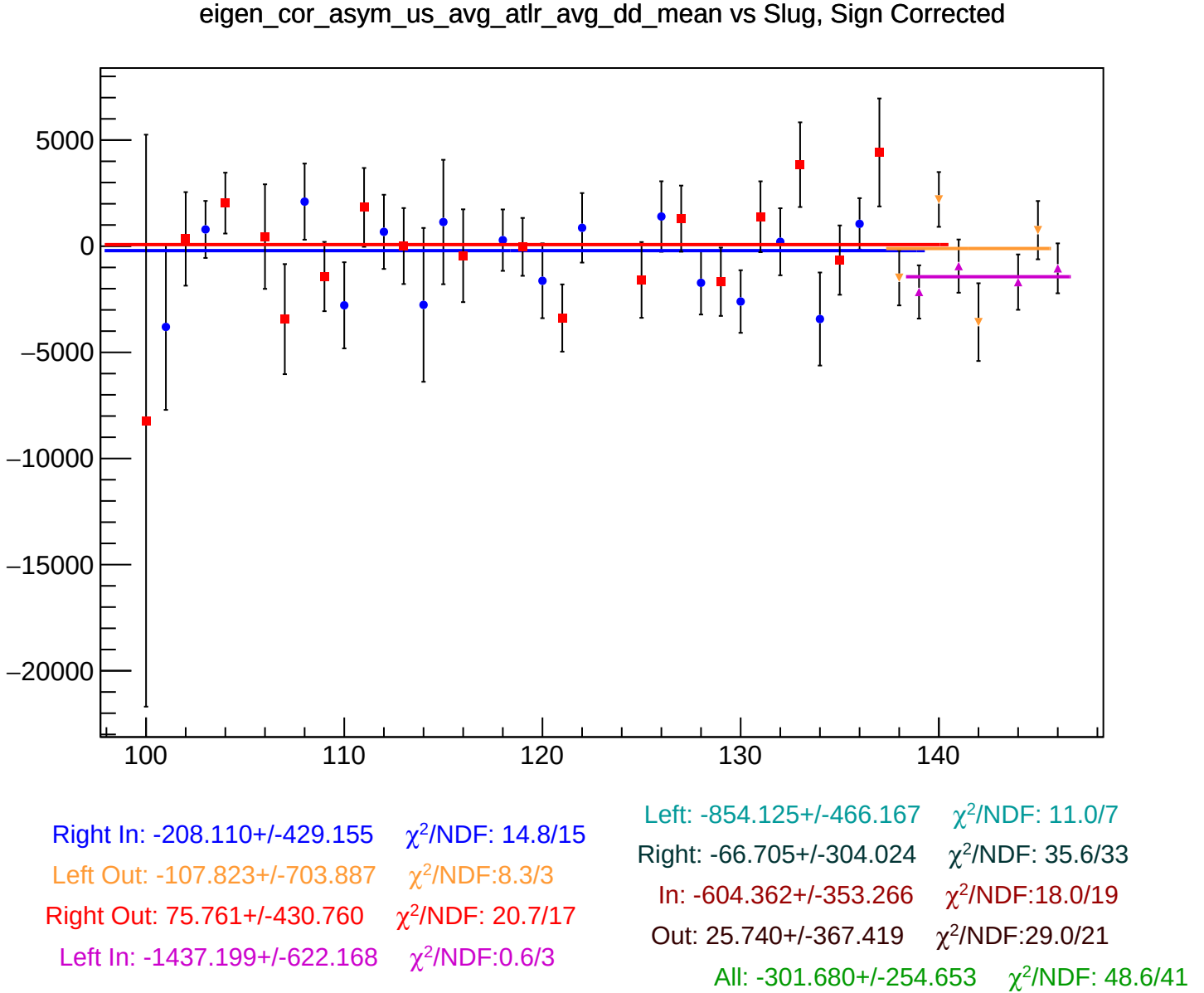
Left: 3316.990+/-0.933 χ^2/NDF: 77223.3/7

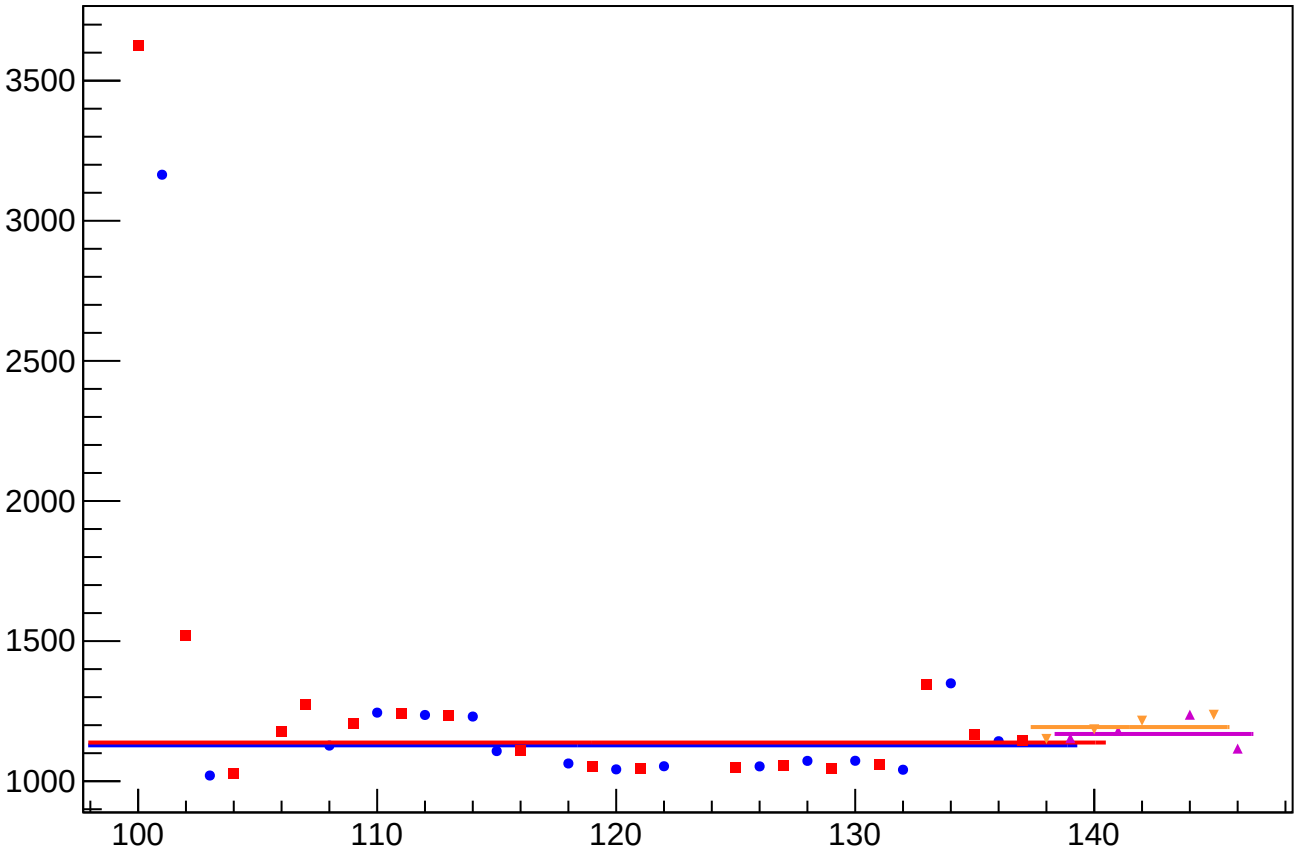
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 618.058+/-0.239 χ^2/NDF:14658221.1/19

Out: 539.708+/-0.222 χ^2/NDF:13221365.8/21

All: 575.909+/-0.163 χ^2/NDF: 27937346.2/41


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: -107.823+/-703.887 χ²/NDF:8.3/3
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -1437.199+/-622.168 χ²/NDF:0.6/3
Left: -854.125+/-466.167 χ²/NDF: 11.0/7
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -604.362+/-353.266 χ²/NDF:18.0/19
Out: 25.740+/-367.419 χ²/NDF:29.0/21
All: -301.680+/-254.653 χ²/NDF: 48.6/41



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1193.270+/-0.498 χ^2/NDF:4552.0/3

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1168.587+/-0.440 χ^2/NDF:9935.0/3

Left: 1179.413+/-0.330 χ^2/NDF: 15867.6/7

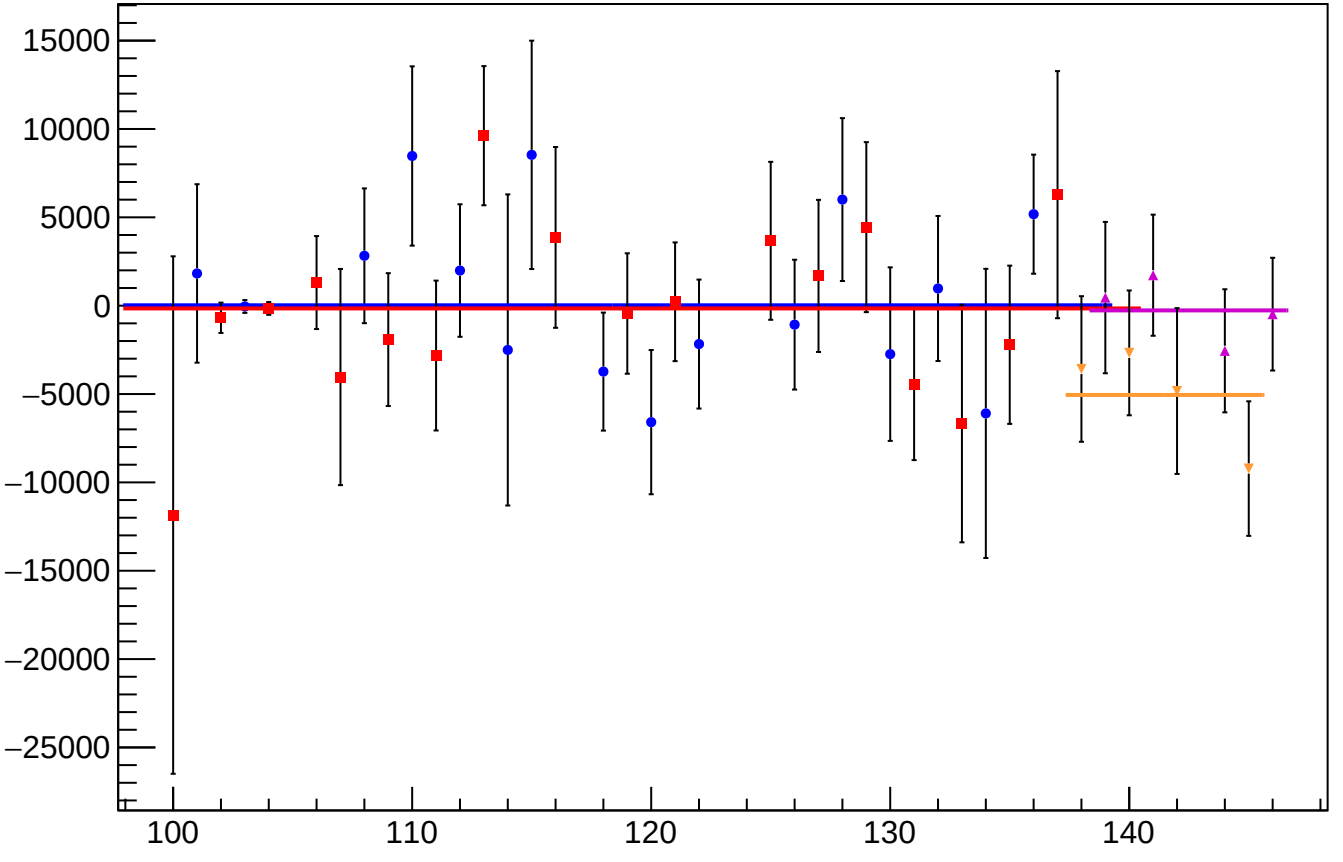
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1141.090+/-0.250 χ^2/NDF:637095.8/19

Out: 1153.047+/-0.260 χ^2/NDF:234150.5/21

All: 1146.836+/-0.180 χ^2/NDF: 872347.3/41

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -5051.472+/-1986.181 χ^2/NDF:1.8/3

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -267.642+/-1766.754 χ^2/NDF:0.8/3

Left: -2380.809+/-1320.073 χ^2/NDF: 5.8/7

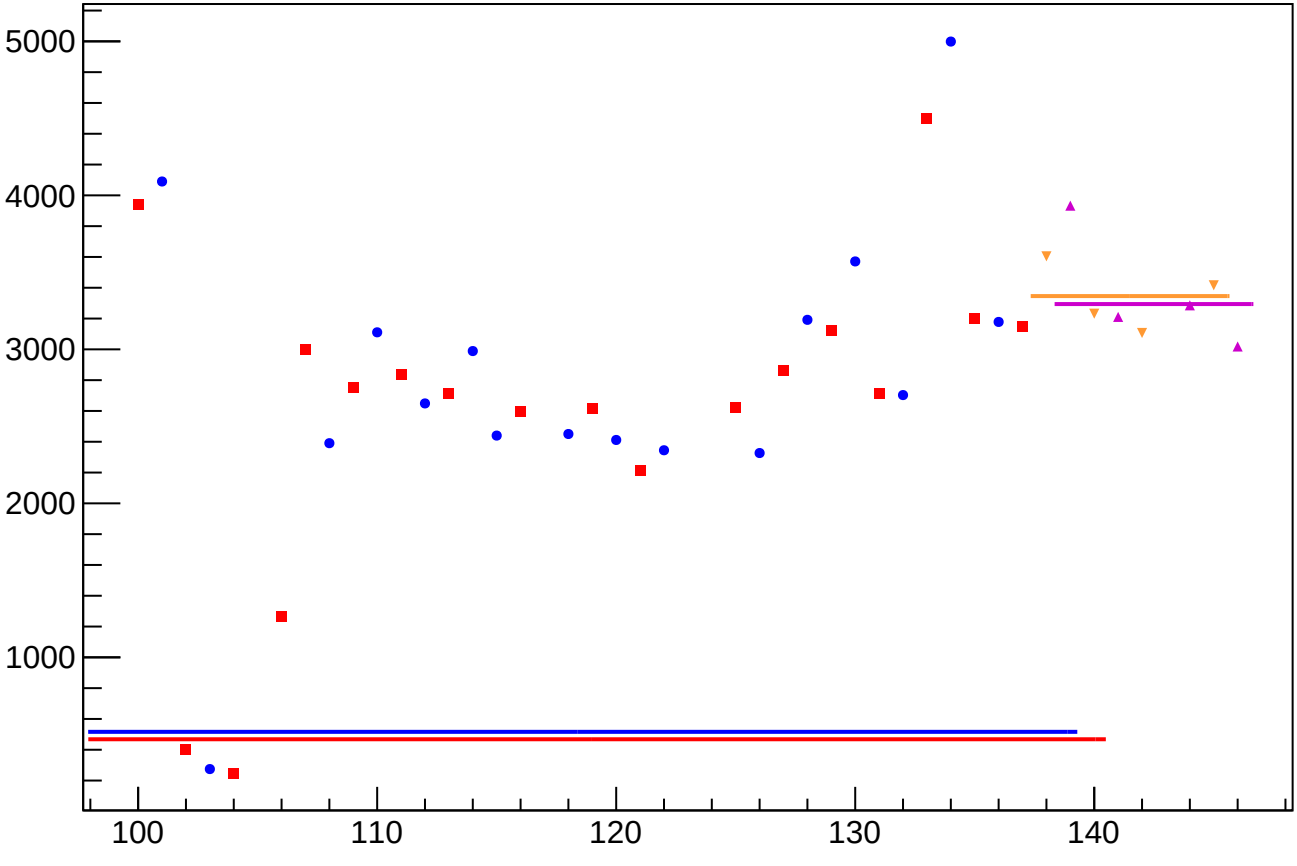
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 11.047+/-338.156 χ^2/NDF:15.7/19

Out: -278.105+/-313.392 χ^2/NDF:21.7/21

All: -144.503+/-229.858 χ^2/NDF: 37.8/41

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: 3345.913+/-1.404 χ^2/NDF:15836.0/3

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3294.105+/-1.249 χ^2/NDF:60627.6/3

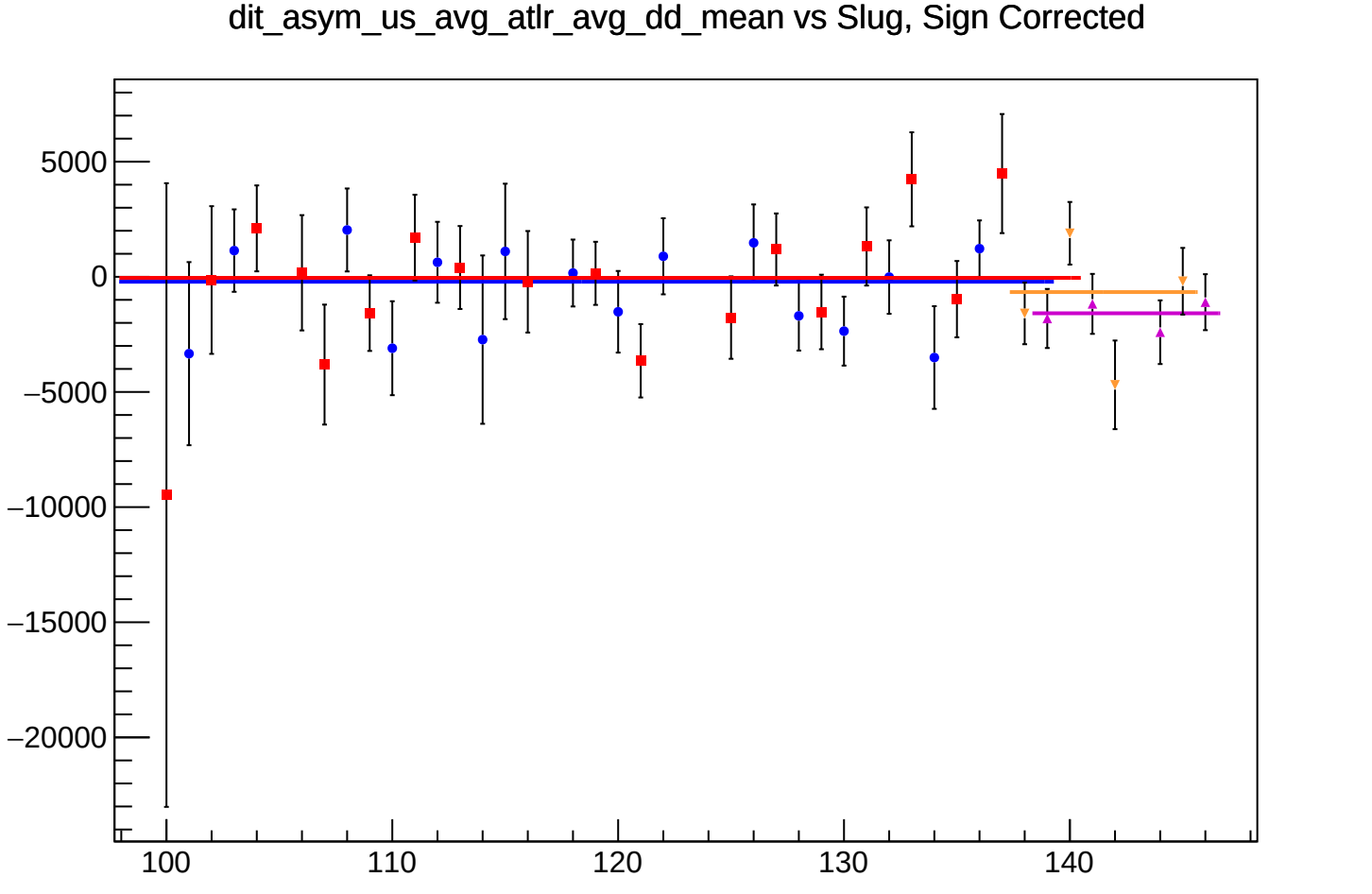
Left: 3316.990+/-0.933 χ^2/NDF: 77223.3/7

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 618.058+/-0.239 χ^2/NDF:14658221.1/19

Out: 539.708+/-0.222 χ^2/NDF:13221365.8/21

All: 575.909+/-0.163 χ^2/NDF: 27937346.2/41



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: -662.454+/-735.798 χ^2/NDF:8.5/3

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -1583.488+/-645.726 χ^2/NDF:0.6/3

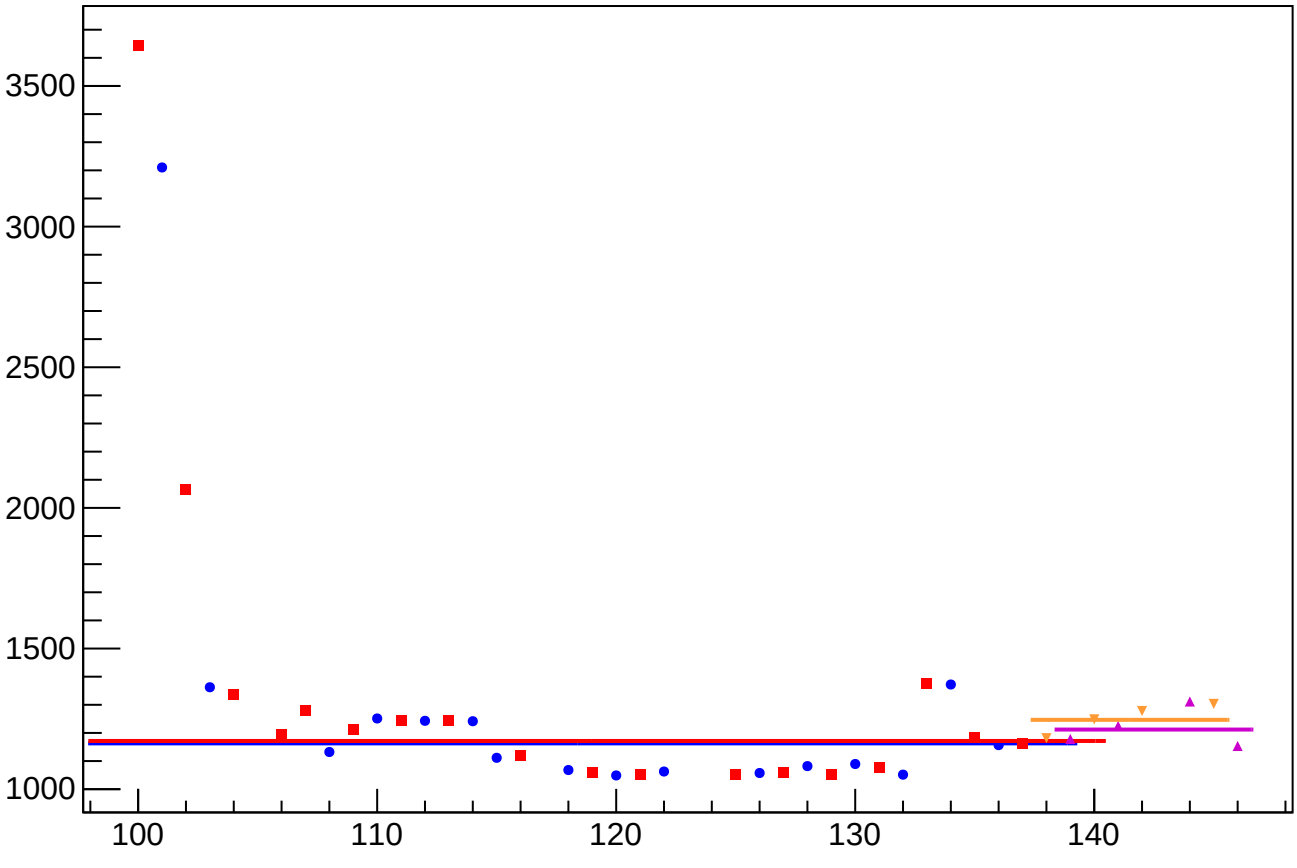
Left: -1182.766+/-485.336 χ^2/NDF: 10.0/7

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -651.232+/-365.121 χ^2/NDF:18.0/19

Out: -211.959+/-382.167 χ^2/NDF:30.7/21

All: -441.611+/-264.000 χ^2/NDF: 49.4/41



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1246.549+/-0.520 χ^2/NDF:8360.9/3

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1212.000+/-0.457 χ^2/NDF:16575.0/3

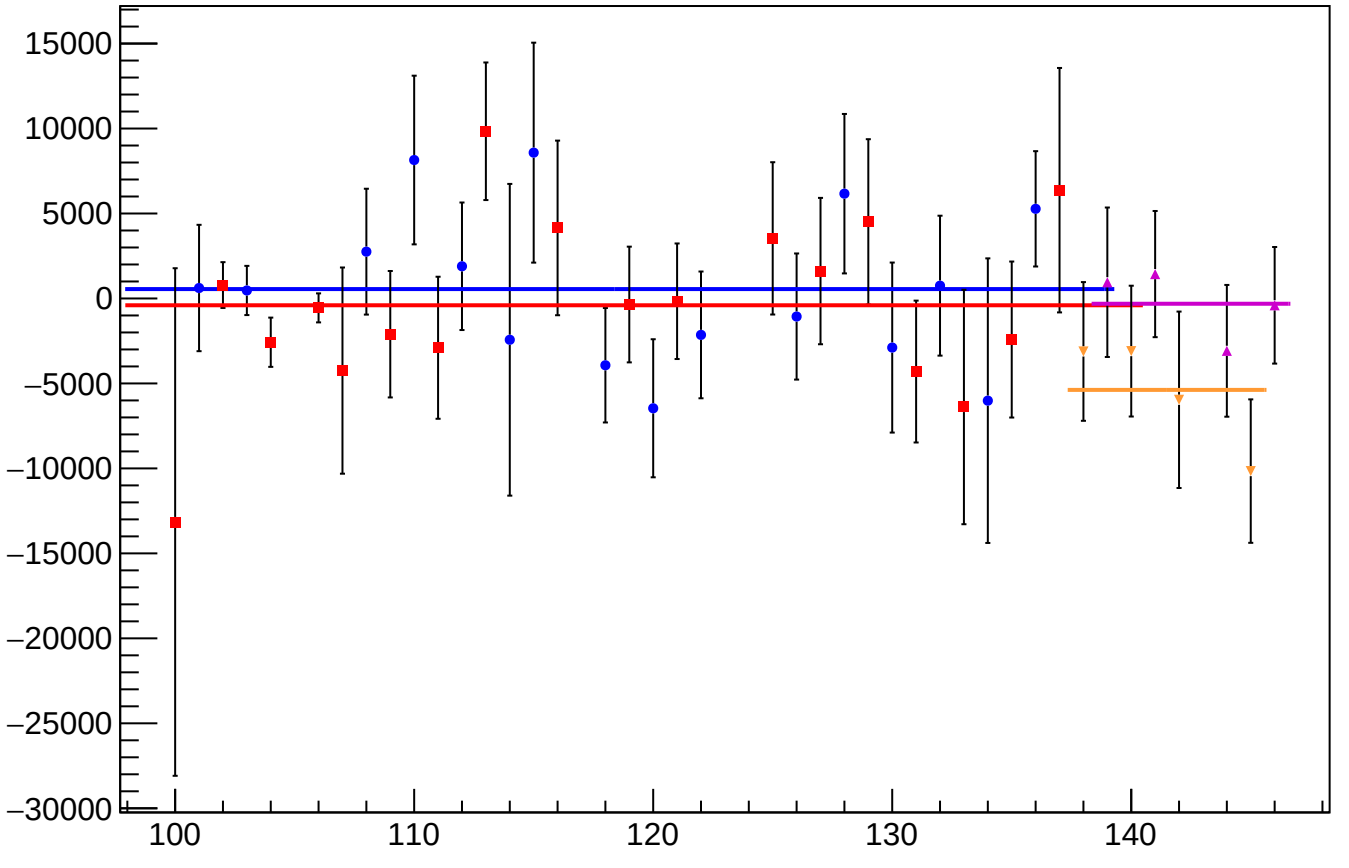
Left: 1227.032+/-0.343 χ^2/NDF: 27427.0/7

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1178.565+/-0.258 χ^2/NDF:659810.5/19

Out: 1191.674+/-0.270 χ^2/NDF:355231.7/21

All: 1184.823+/-0.187 χ^2/NDF: 1016272.8/41



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -5380.022+/-2128.144 χ^2/NDF:2.0/3

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -310.898+/-1904.248 χ^2/NDF:0.8/3

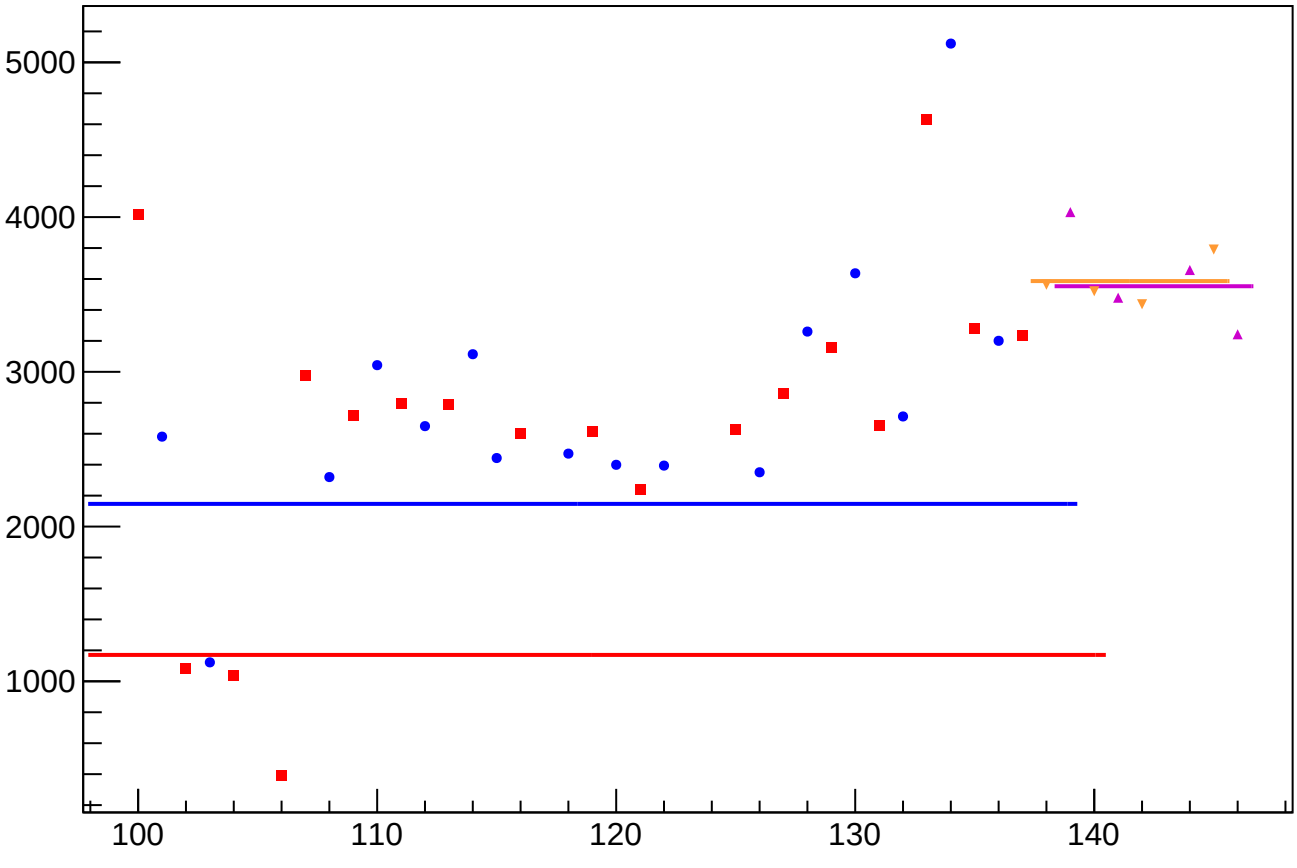
Left: -2564.866+/-1419.085 χ^2/NDF: 5.9/7

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 402.245+/-794.426 χ^2/NDF:15.4/19

Out: -729.252+/-546.869 χ^2/NDF:23.7/21

All: -365.460+/-450.457 χ^2/NDF: 40.5/41



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3586.547+/-1.505 χ^2/NDF:6979.3/3

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3553.216+/-1.347 χ^2/NDF:42387.9/3

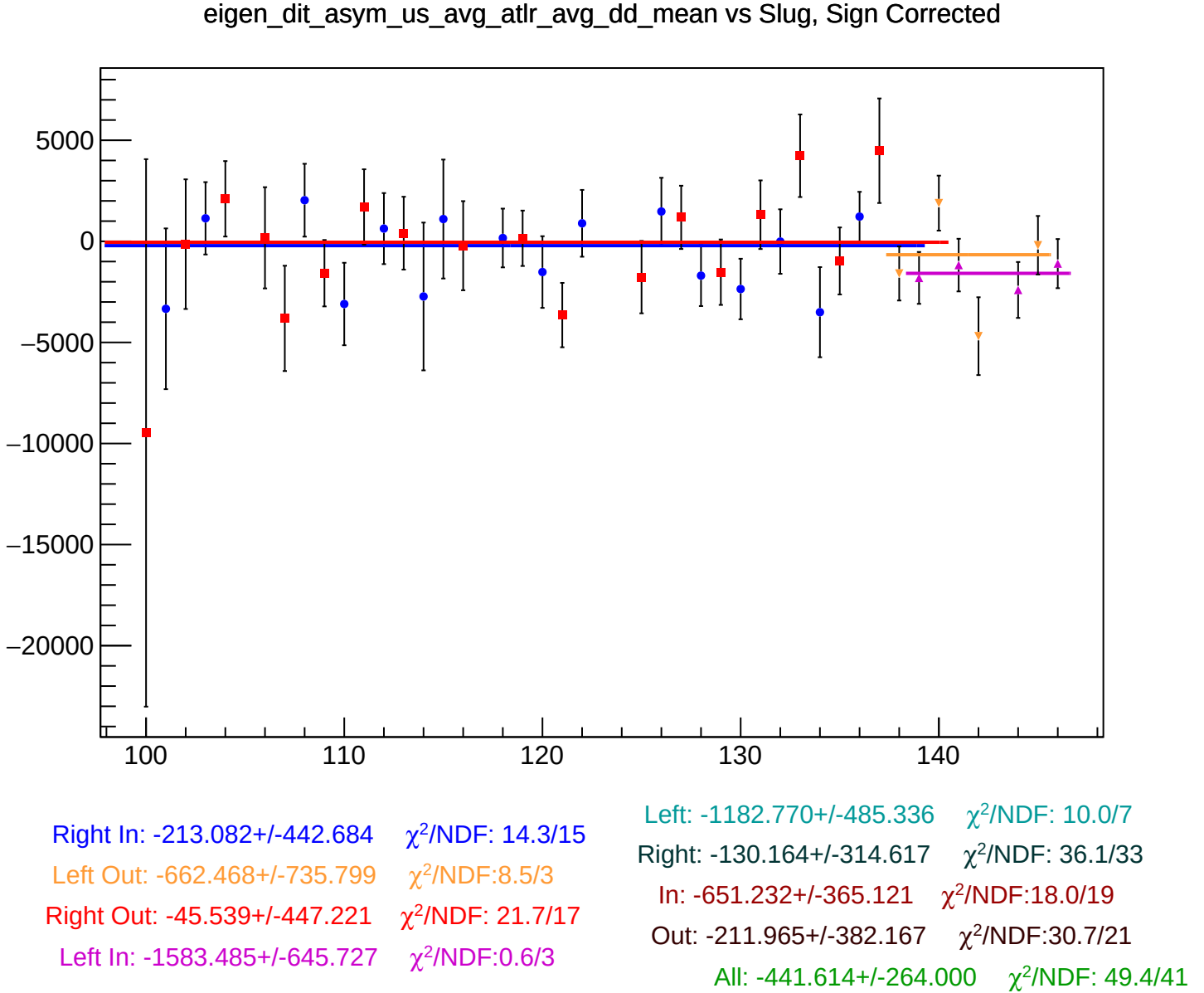
Left: 3568.036+/-1.003 χ^2/NDF: 49639.7/7

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2391.427+/-0.562 χ^2/NDF:2918435.2/19

Out: 1330.109+/-0.387 χ^2/NDF:8231832.4/21

All: 1671.337+/-0.319 χ^2/NDF: 13572162.7/4


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
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−5000
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−15000
−20000
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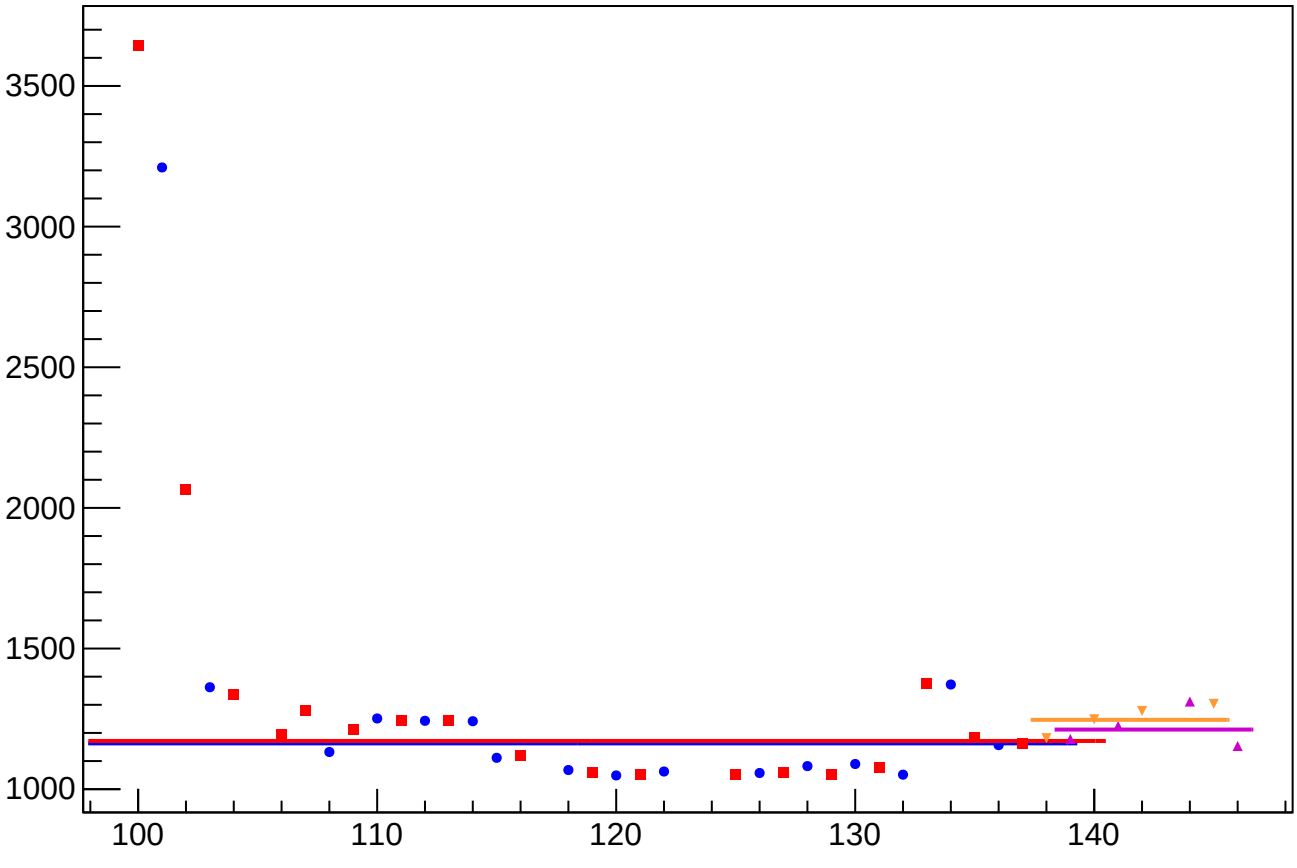
130
140
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: -662.468+/-735.799 χ²/NDF:8.5/3
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -1583.485+/-645.727 χ²/NDF:0.6/3
Left: -1182.770+/-485.336 χ²/NDF: 10.0/7
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -651.232+/-365.121 χ²/NDF:18.0/19
Out: -211.965+/-382.167 χ²/NDF:30.7/21
All: -441.614+/-264.000 χ²/NDF: 49.4/41



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1246.550+/-0.520 χ^2/NDF:8361.1/3

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1212.001+/-0.457 χ^2/NDF:16575.0/3

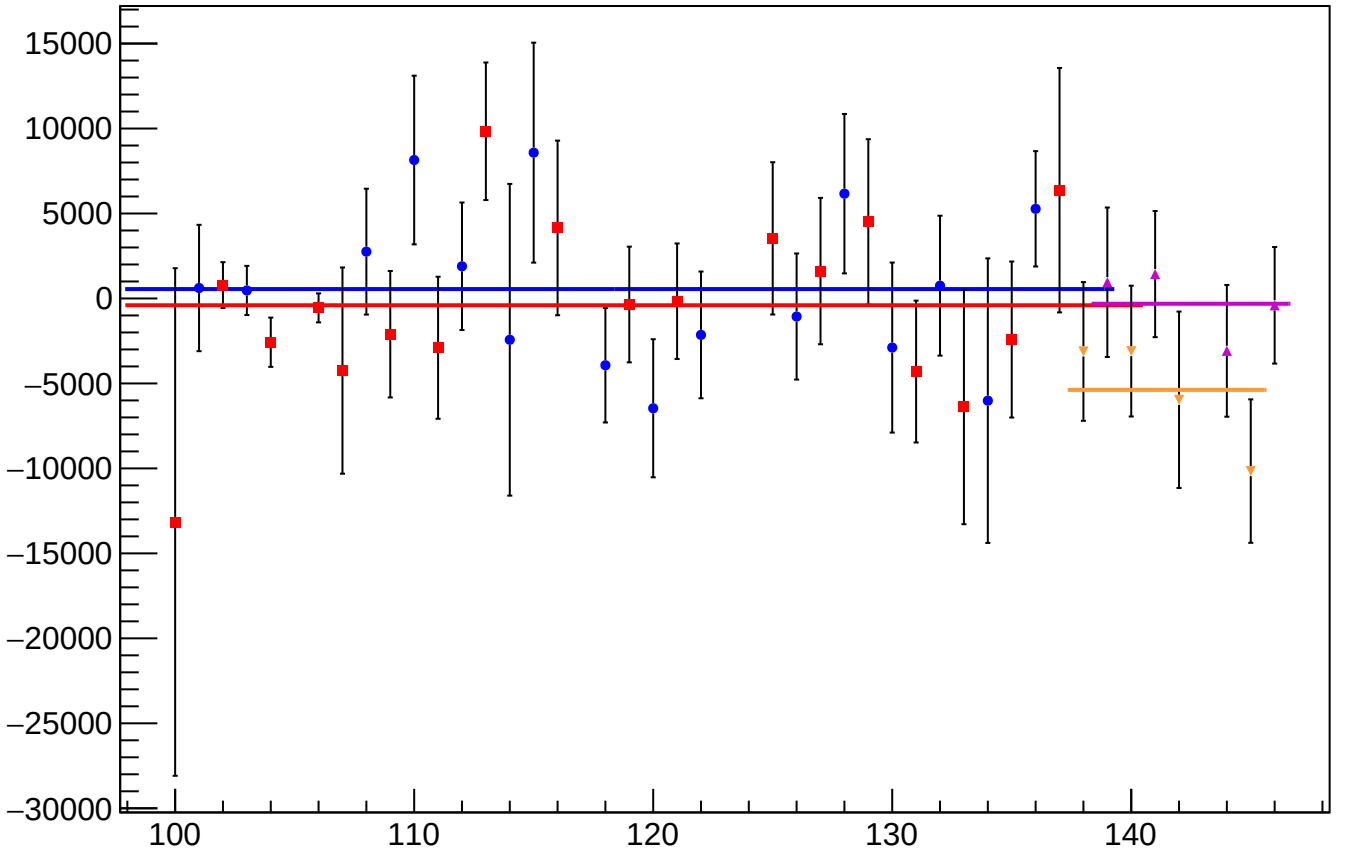
Left: 1227.033+/-0.343 χ^2/NDF: 27427.2/7

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1178.566+/-0.258 χ^2/NDF:659810.9/19

Out: 1191.674+/-0.270 χ^2/NDF:355232.0/21

All: 1184.823+/-0.187 χ^2/NDF: 1016273.5/41



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -5380.037+/-2128.147 χ^2/NDF:2.0/3

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -310.894+/-1904.251 χ^2/NDF:0.8/3

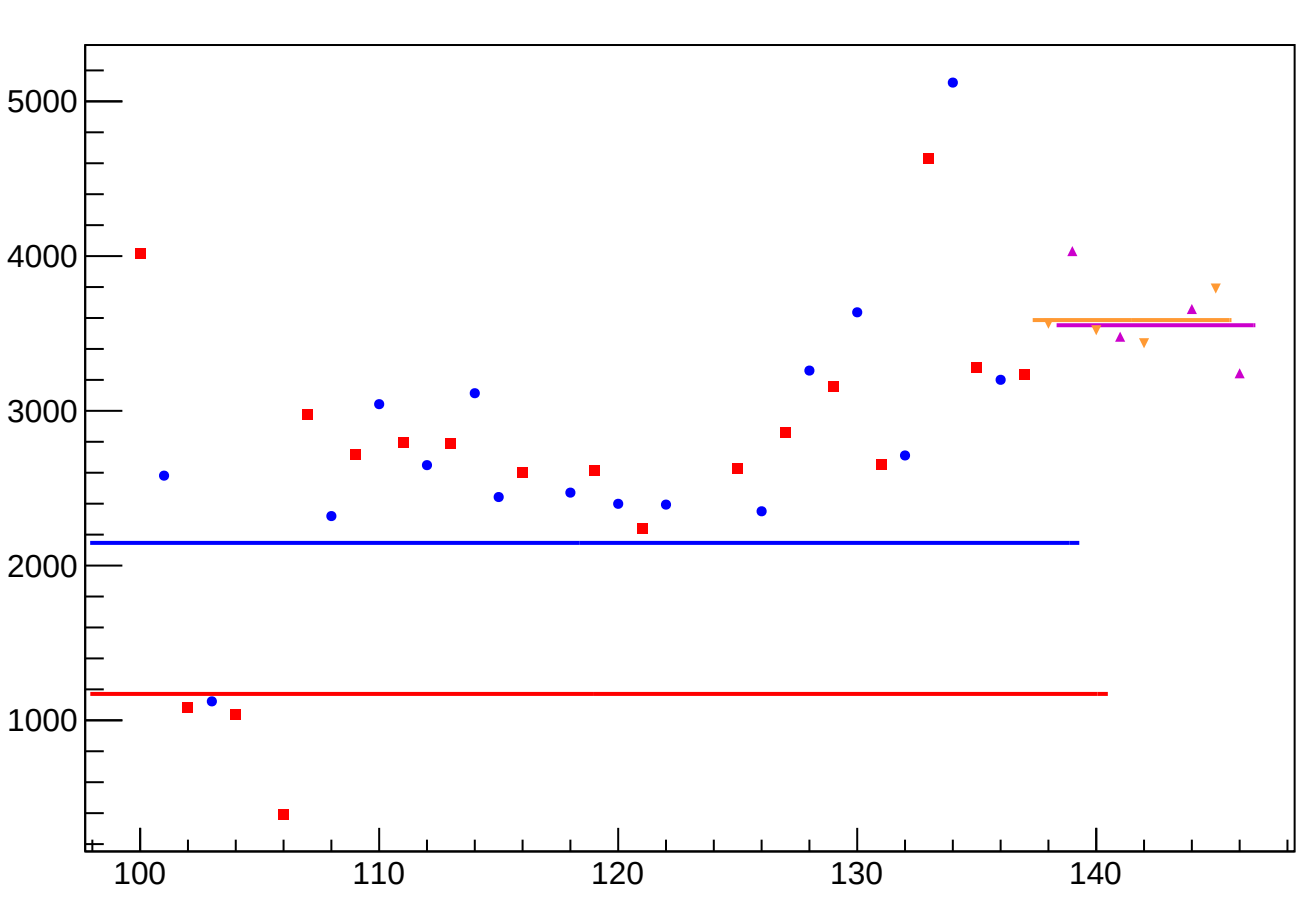
Left: -2564.870+/-1419.087 χ^2/NDF: 5.9/7

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 402.241+/-794.425 χ^2/NDF:15.4/19

Out: -729.245+/-546.862 χ^2/NDF:23.7/21

All: -365.462+/-450.453 χ^2/NDF: 40.5/41



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3586.553+/-1.505 χ^2/NDF:6979.5/3

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3553.221+/-1.347 χ^2/NDF:42388.3/3

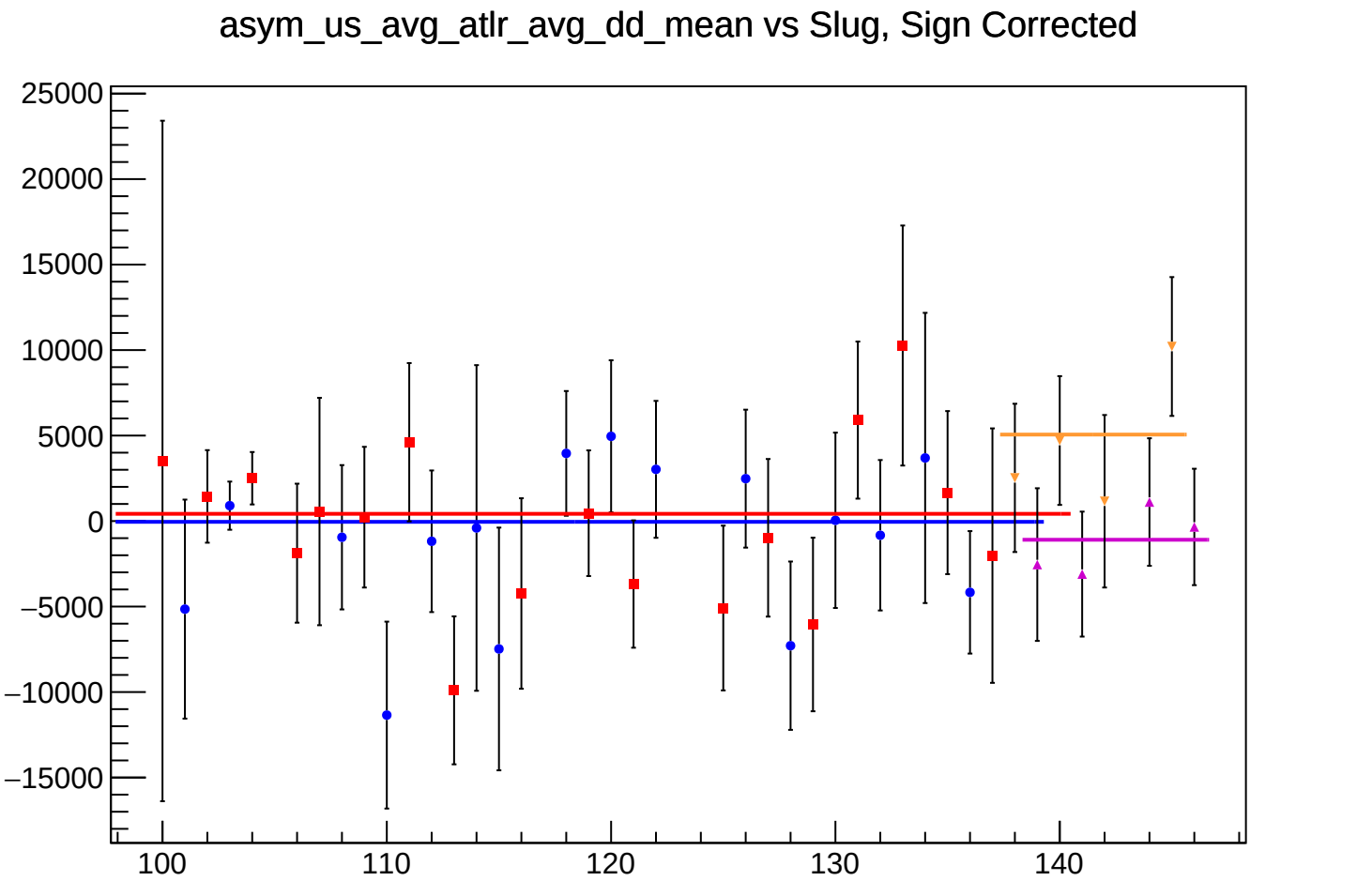
Left: 3568.042+/-1.003 χ^2/NDF: 49640.3/7

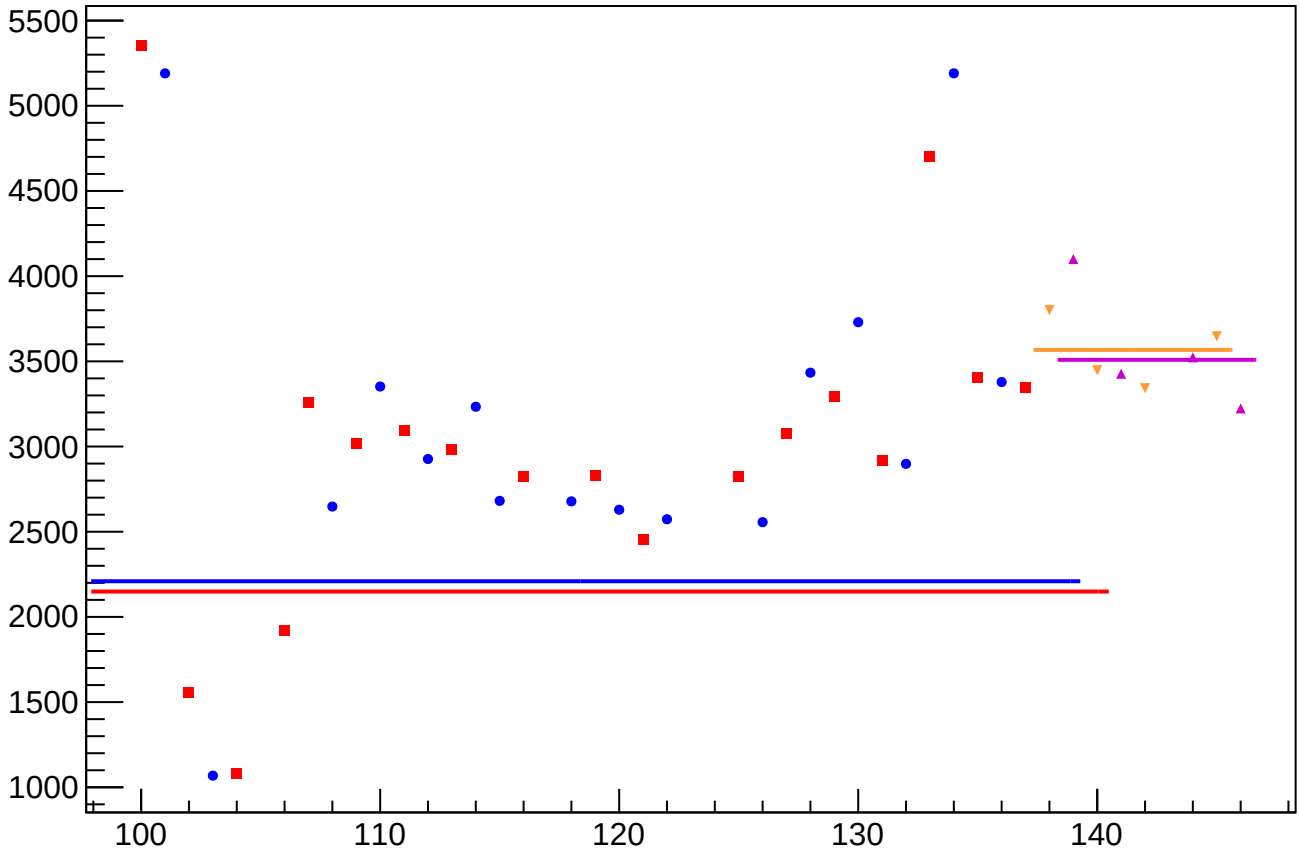
Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2391.424+/-0.562 χ^2/NDF:2918440.0/19

Out: 1330.083+/-0.387 χ^2/NDF:8232013.5/21

All: 1671.315+/-0.319 χ^2/NDF: 13572471.5/4


asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
Right In: -44.874+/-920.736 χ²/NDF: 13.7/15
Left Out: 5058.160+/-2114.372 χ²/NDF:2.6/3
Right Out: 423.476+/-896.736 χ²/NDF: 17.3/17
Left In: -1093.637+/-1879.023 χ²/NDF:0.8/3
Left: 1620.963+/-1404.538 χ²/NDF: 8.1/7
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: -247.934+/-826.810 χ²/NDF:14.8/19
Out: 1130.039+/-825.556 χ²/NDF:24.0/21
All: 442.098+/-584.199 χ²/NDF: 40.2/41



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3567.178+/-1.495 χ^2/NDF:12545.6/3

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3508.983+/-1.329 χ^2/NDF:50197.1/3

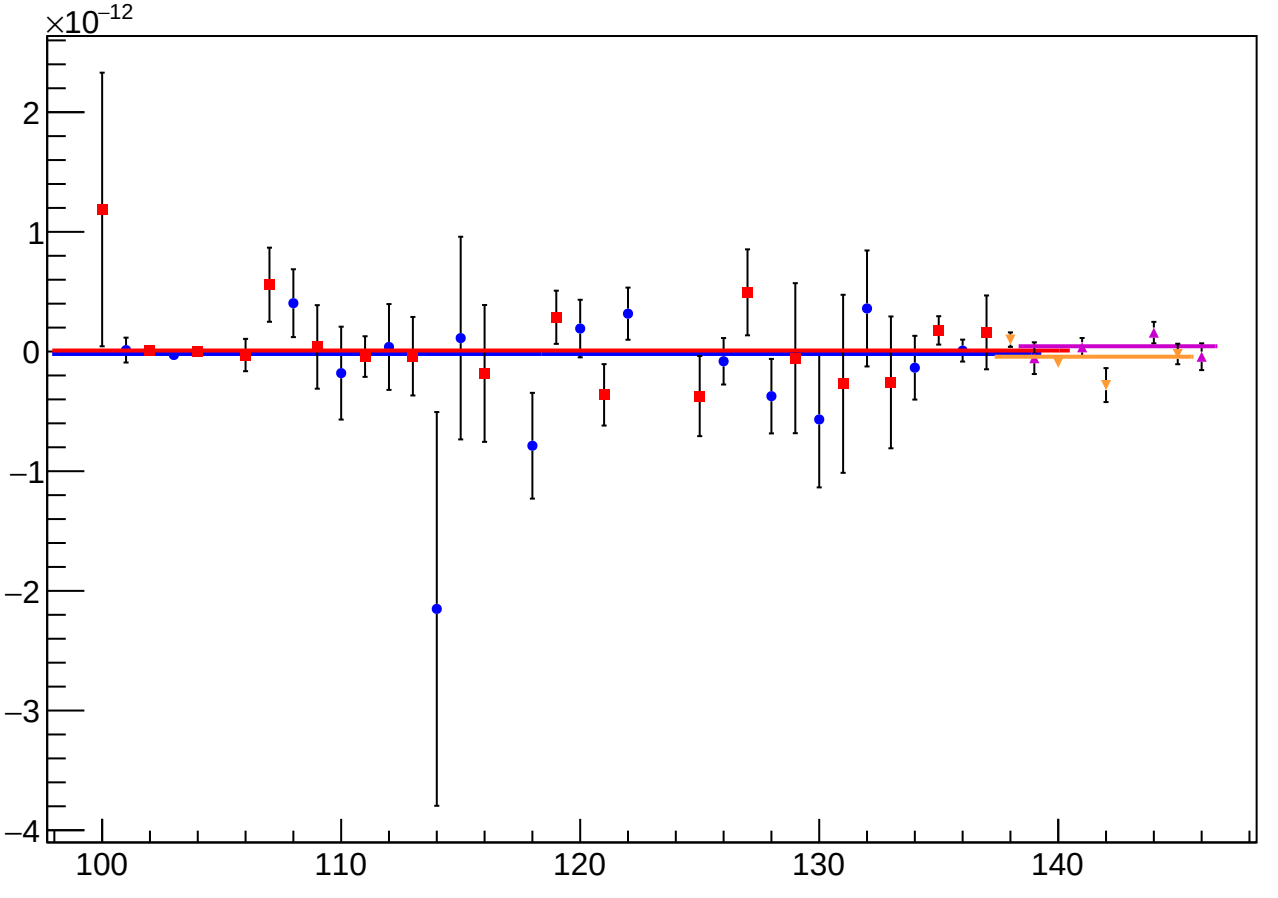
Left: 3534.663+/-0.993 χ^2/NDF: 63589.3/7

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2460.981+/-0.585 χ^2/NDF:3658595.4/19

Out: 2364.283+/-0.583 χ^2/NDF:3045412.1/21

All: 2412.460+/-0.413 χ^2/NDF: 6717734.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/3

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:2.8/3

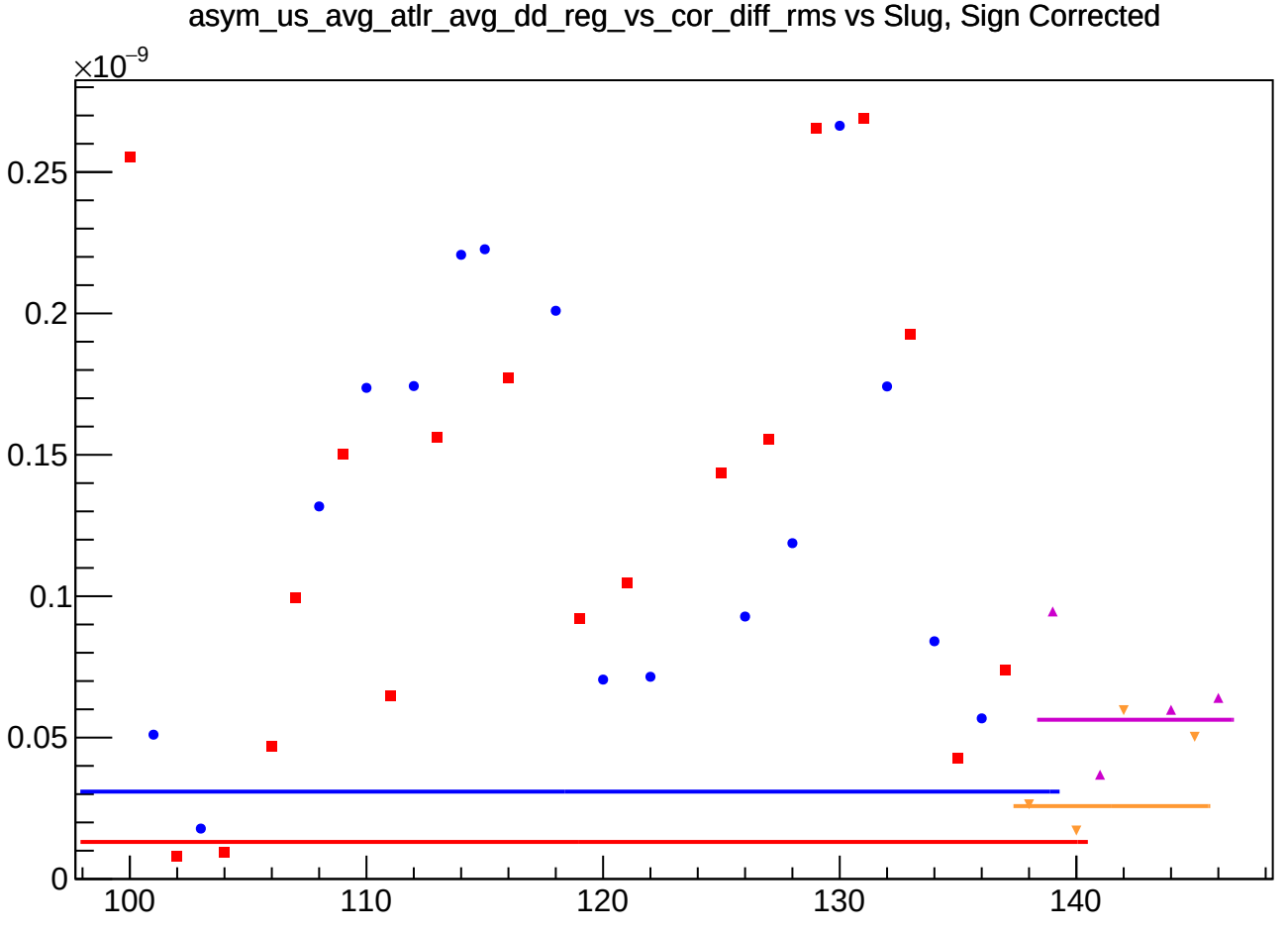
Left: -0.000+/-0.000 χ^2/NDF: 15.1/7

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: -0.000+/-0.000 χ^2/NDF:17.9/19

Out: -0.000+/-0.000 χ^2/NDF:26.2/21

All: -0.000+/-0.000 χ^2/NDF: 44.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:367830.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:305350.2/3

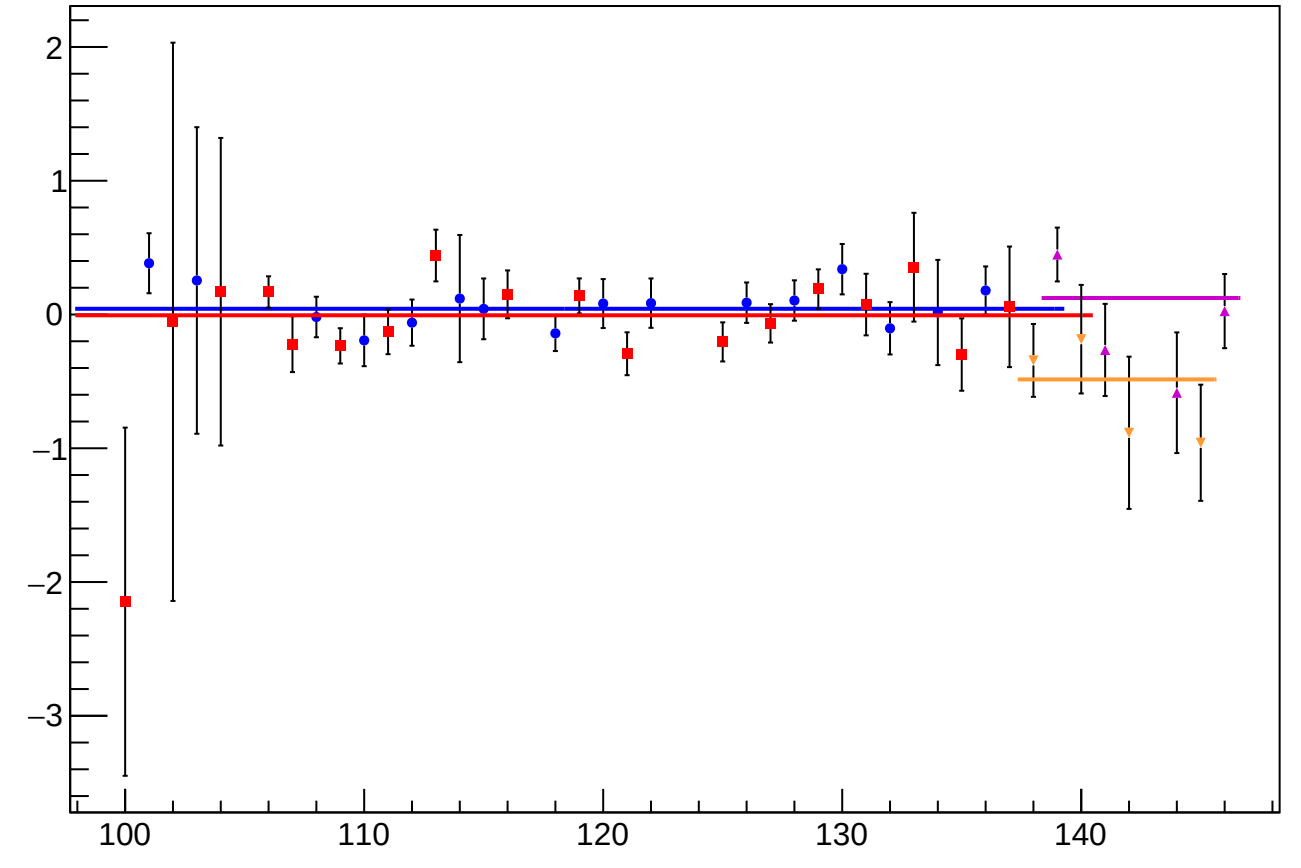
Left: 0.000+/-0.000 χ^2/NDF: 1241148.5/7

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:3736113.8/19

Out: 0.000+/-0.000 χ^2/NDF:4302981.5/21

All: 0.000+/-0.000 χ^2/NDF: 9310559.7/41



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.485+/-0.189 χ^2/NDF:2.5/3

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.140 χ^2/NDF:6.5/3

Left: -0.092+/-0.113 χ^2/NDF: 15.7/7

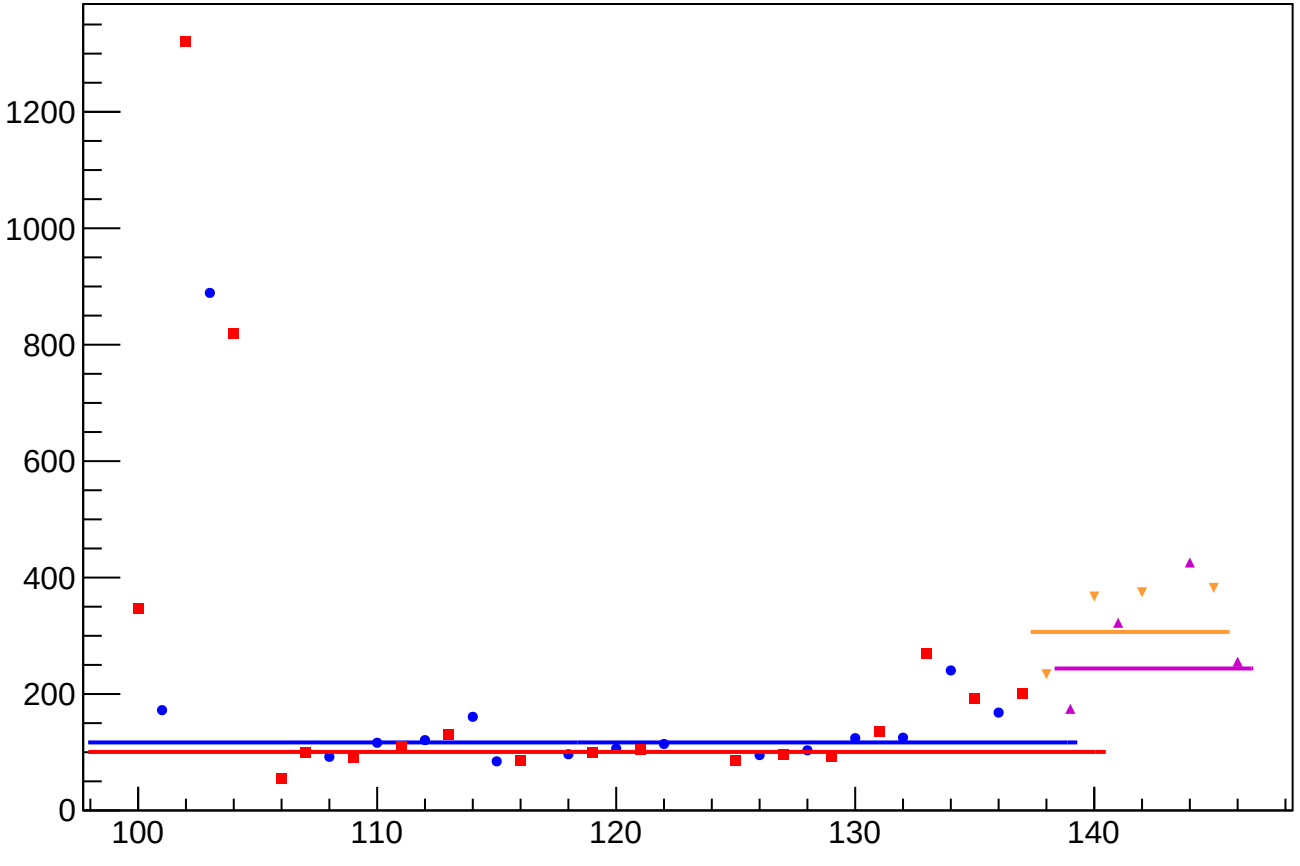
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.051+/-0.045 χ^2/NDF:17.0/19

Out: -0.030+/-0.042 χ^2/NDF:34.6/21

All: 0.008+/-0.031 χ^2/NDF: 53.4/41

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: 306.646+/-0.134 χ^2/NDF:276455.8/3

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.832+/-0.099 χ^2/NDF:670555.6/3

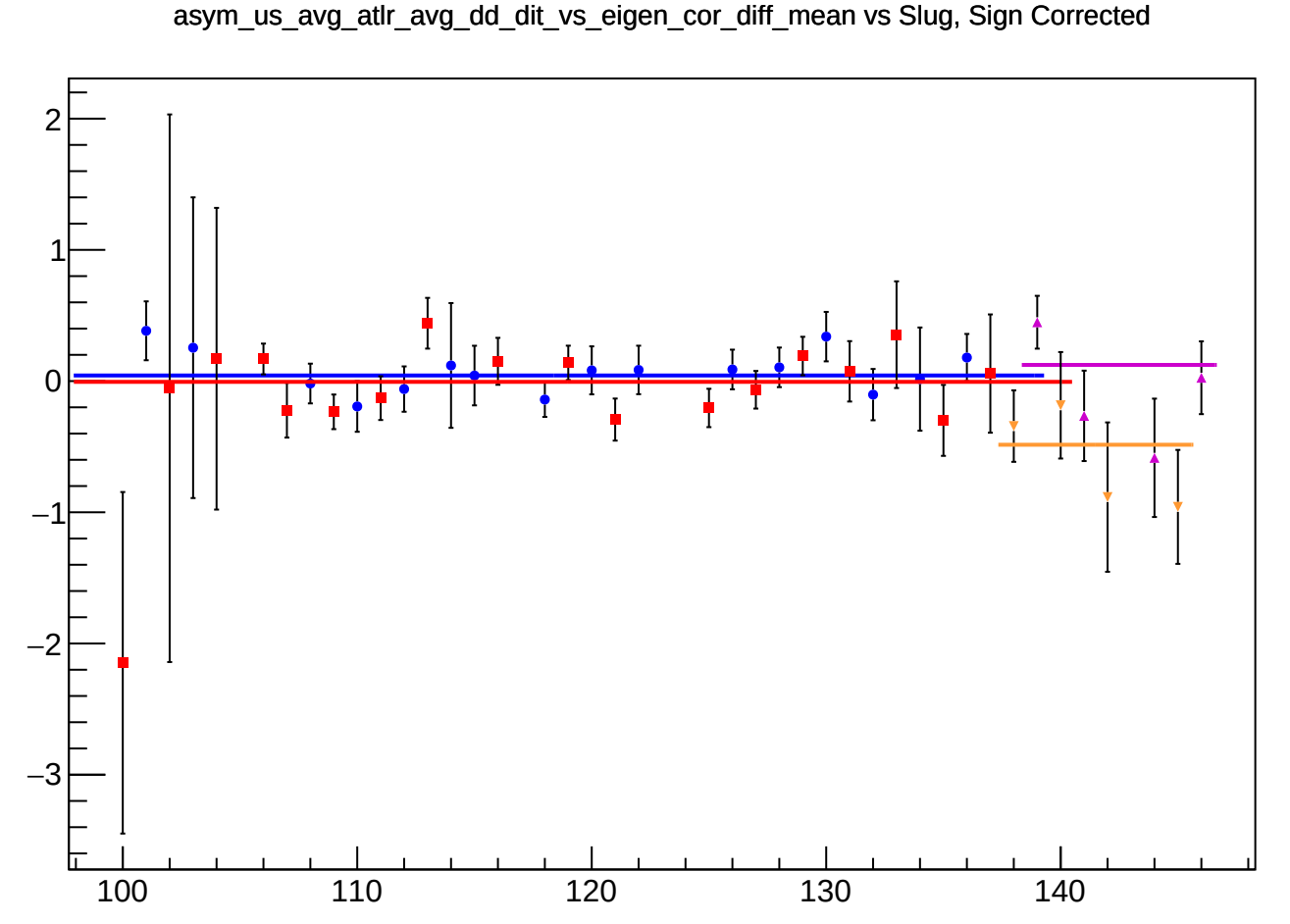
Left: 266.059+/-0.080 χ^2/NDF: 1089493.6/7

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 129.935+/-0.032 χ^2/NDF:3767425.3/19

Out: 110.841+/-0.030 χ^2/NDF:5196002.1/21

All: 119.804+/-0.022 χ^2/NDF: 9154883.5/41



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.485+/-0.189 χ^2/NDF:2.5/3

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.140 χ^2/NDF:6.5/3

Left: -0.092+/-0.113 χ^2/NDF: 15.7/7

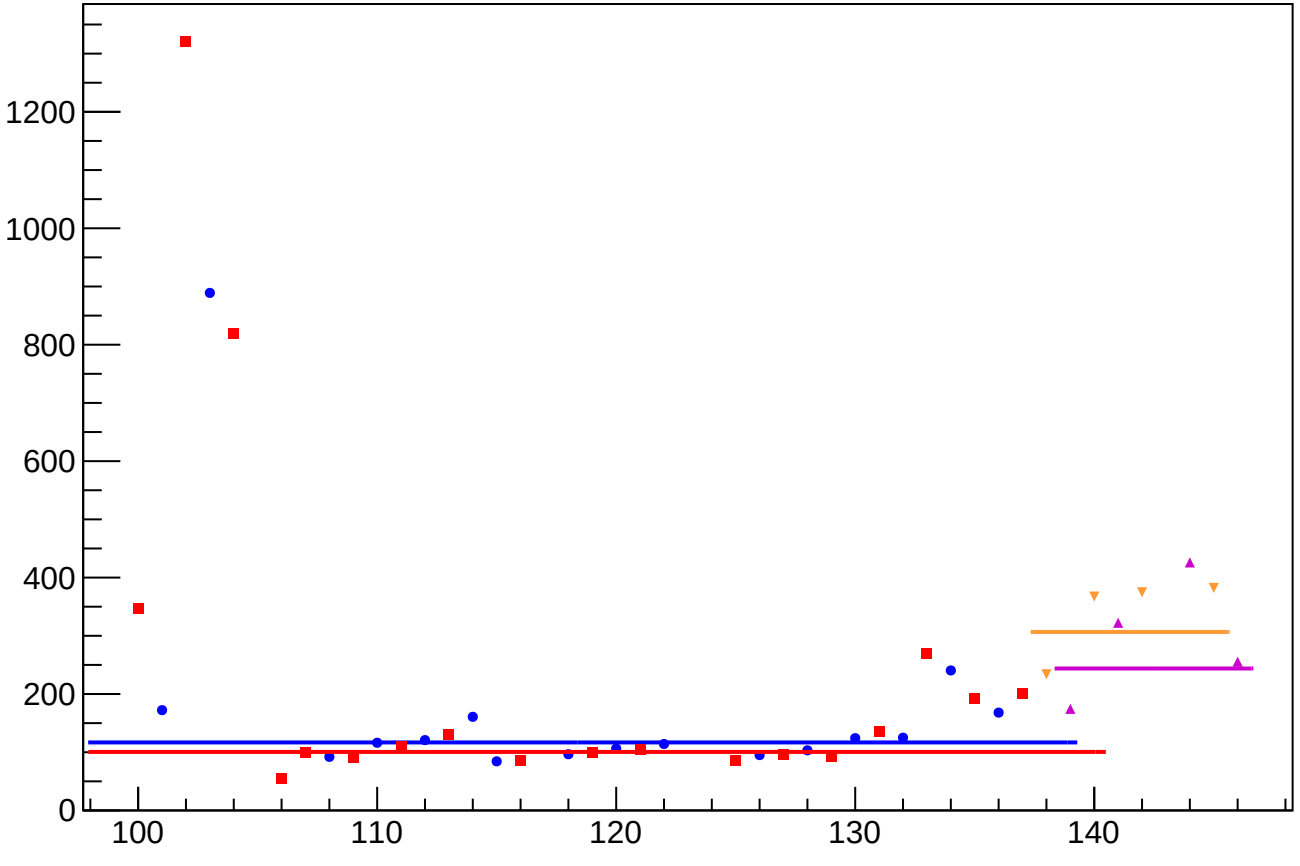
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.051+/-0.045 χ^2/NDF:17.0/19

Out: -0.030+/-0.042 χ^2/NDF:34.6/21

All: 0.008+/-0.031 χ^2/NDF: 53.4/41

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: 306.646+/-0.134 χ^2/NDF:276455.8/3

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.832+/-0.099 χ^2/NDF:670555.6/3

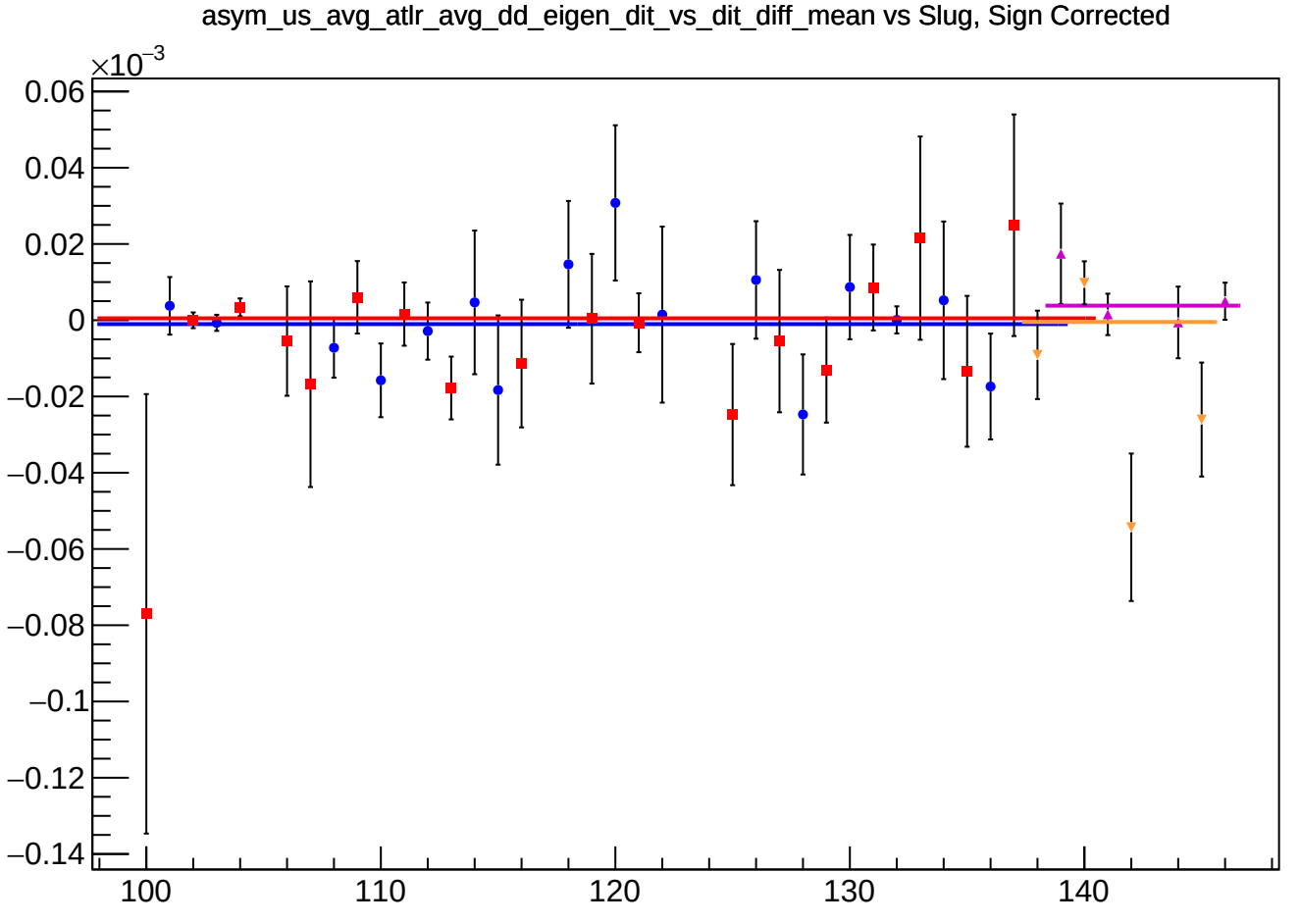
Left: 266.059+/-0.080 χ^2/NDF: 1089493.6/7

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

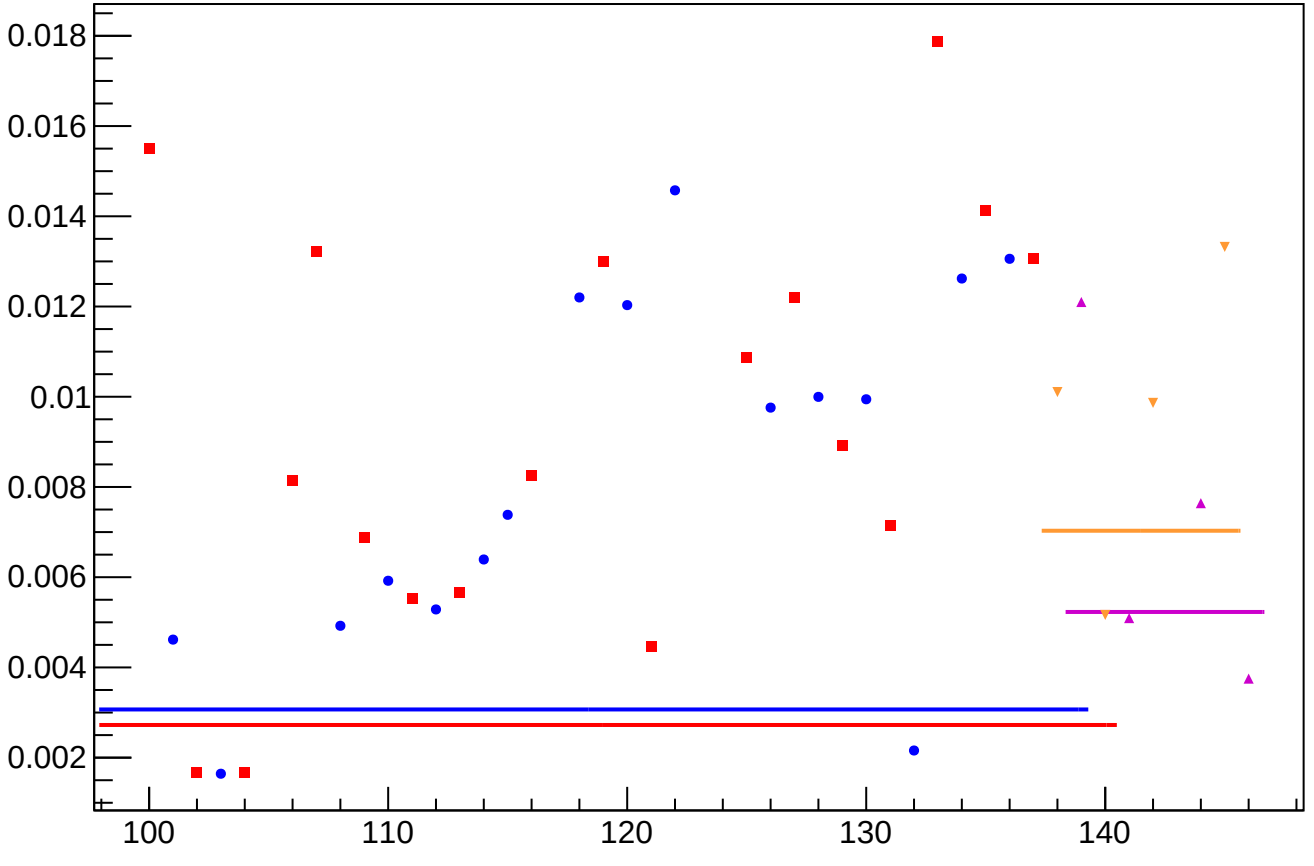
In: 129.935+/-0.032 χ^2/NDF:3767425.3/19

Out: 110.841+/-0.030 χ^2/NDF:5196002.1/21

All: 119.804+/-0.022 χ^2/NDF: 9154883.5/41


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 12.6/15
Left Out: -0.000+/-0.000 χ²/NDF:14.5/3
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/17
Left In: 0.000+/-0.000 χ²/NDF:1.5/3
Left: 0.000+/-0.000 χ²/NDF: 16.6/7
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: -0.000+/-0.000 χ²/NDF:15.9/19
Out: 0.000+/-0.000 χ²/NDF:29.6/21
All: 0.000+/-0.000 χ²/NDF: 45.6/41

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:756265.7/3

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.005+/-0.000 χ^2/NDF:861775.4/3

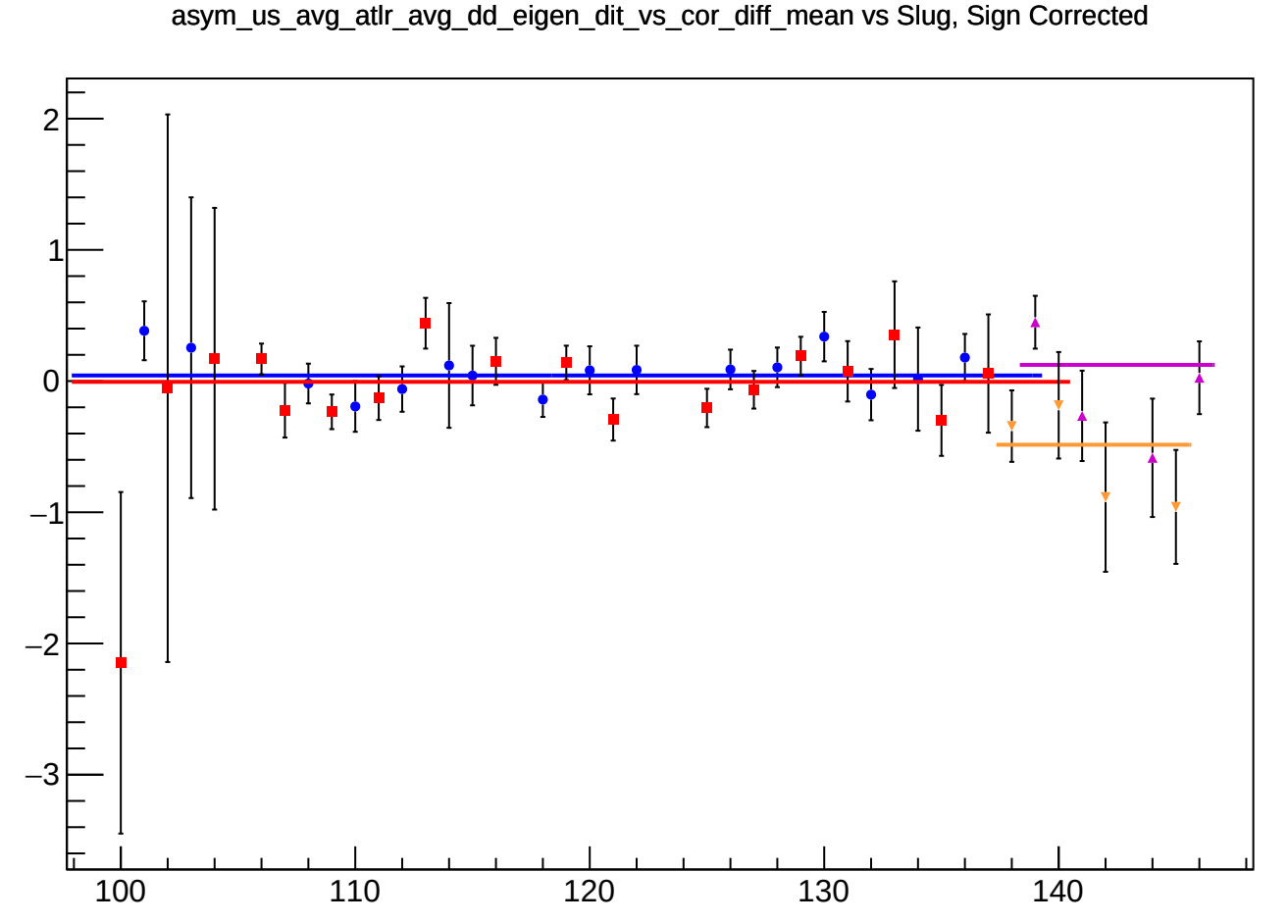
Left: 0.006+/-0.000 χ^2/NDF: 1817597.2/7

Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.003+/-0.000 χ^2/NDF:7531988.6/19

Out: 0.003+/-0.000 χ^2/NDF:9033940.8/21

All: 0.003+/-0.000 χ^2/NDF: 16649058.7/41



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.485+/-0.189 χ^2/NDF:2.5/3

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.140 χ^2/NDF:6.5/3

Left: -0.092+/-0.113 χ^2/NDF: 15.7/7

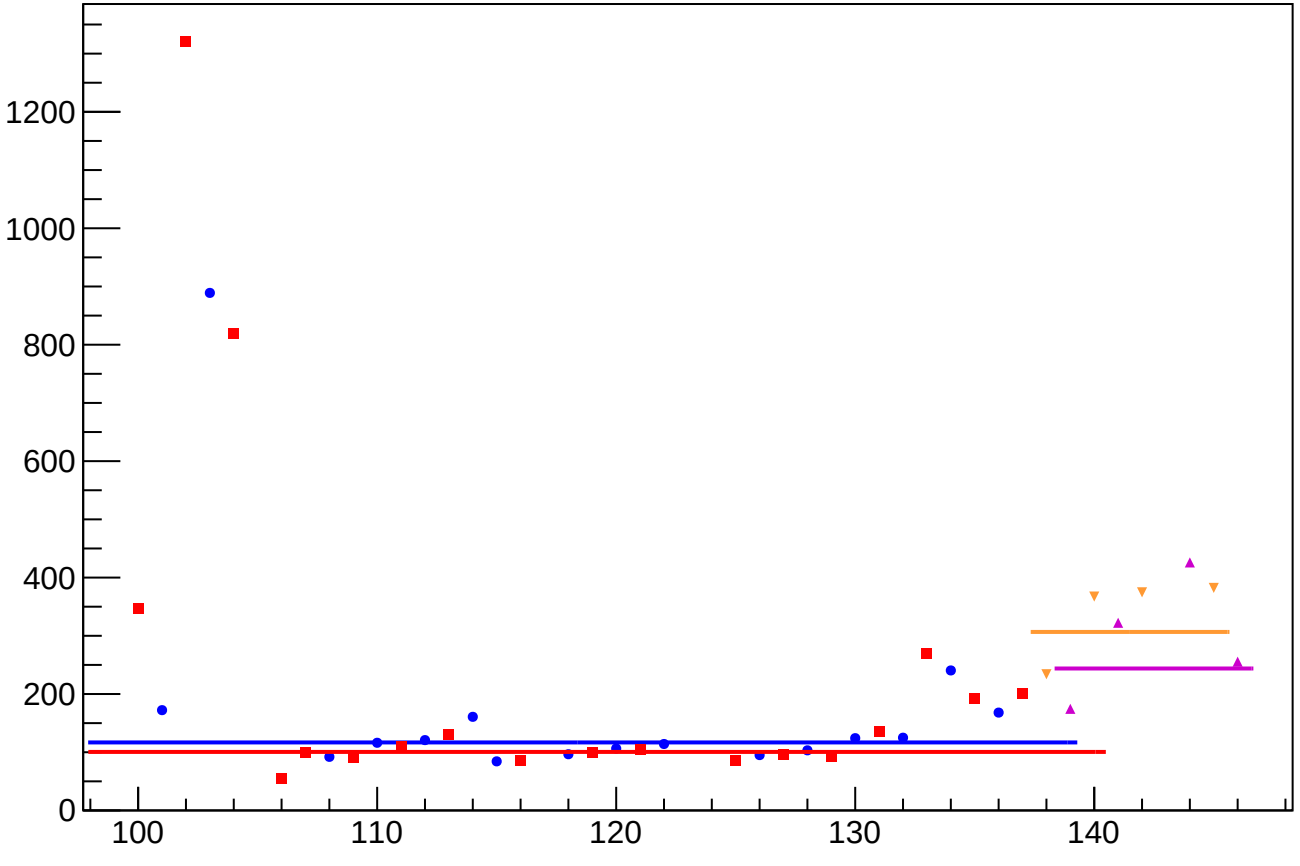
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.051+/-0.045 χ^2/NDF:17.0/19

Out: -0.030+/-0.042 χ^2/NDF:34.6/21

All: 0.008+/-0.031 χ^2/NDF: 53.4/41

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: 306.649+/-0.134 χ^2/NDF:276455.1/3

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 243.836+/-0.099 χ^2/NDF:670527.7/3

Left: 266.063+/-0.080 χ^2/NDF: 1089456.3/7

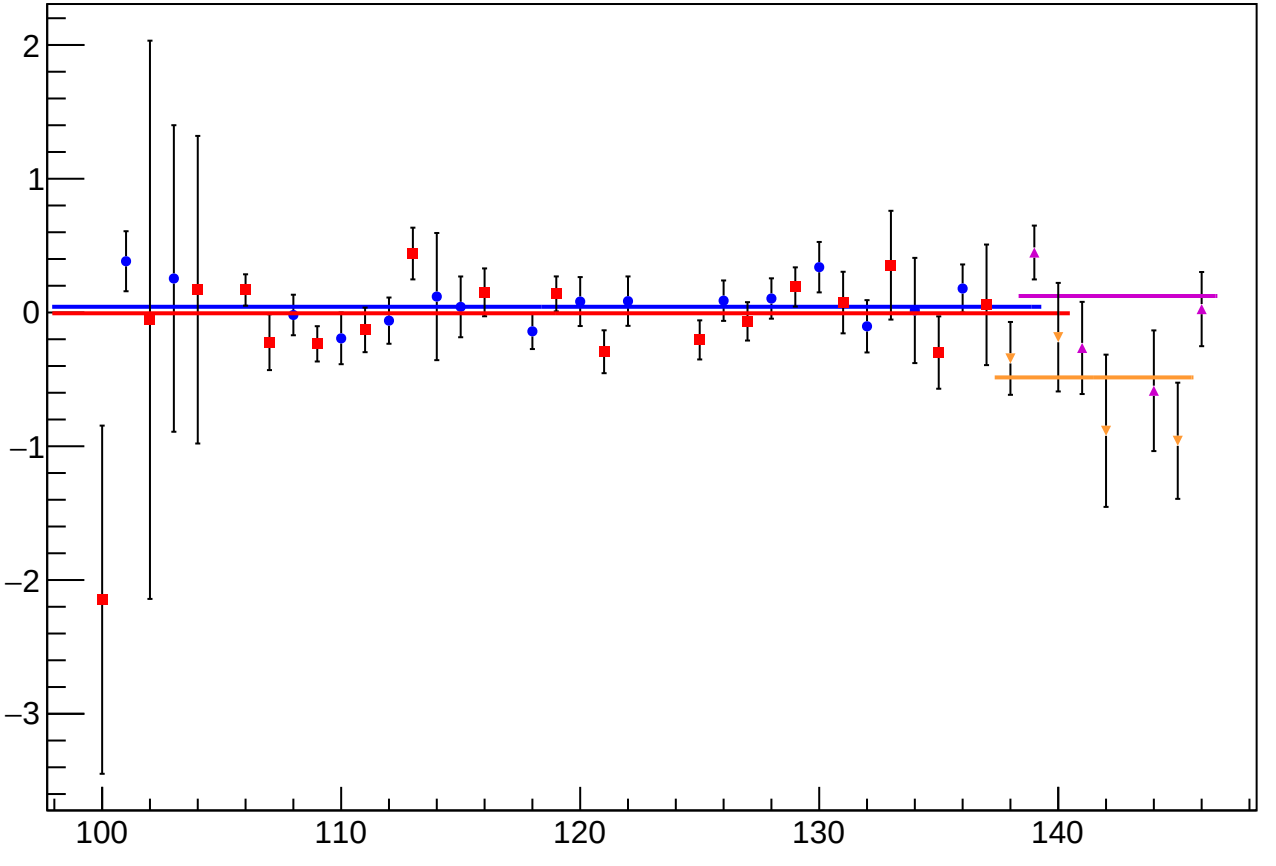
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 129.935+/-0.032 χ^2/NDF:3767463.1/19

Out: 110.840+/-0.030 χ^2/NDF:5196133.0/21

All: 119.804+/-0.022 χ^2/NDF: 9155074.1/41

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: -0.485+/-0.189 χ^2/NDF:2.5/3

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.140 χ^2/NDF:6.5/3

Left: -0.092+/-0.113 χ^2/NDF: 15.7/7

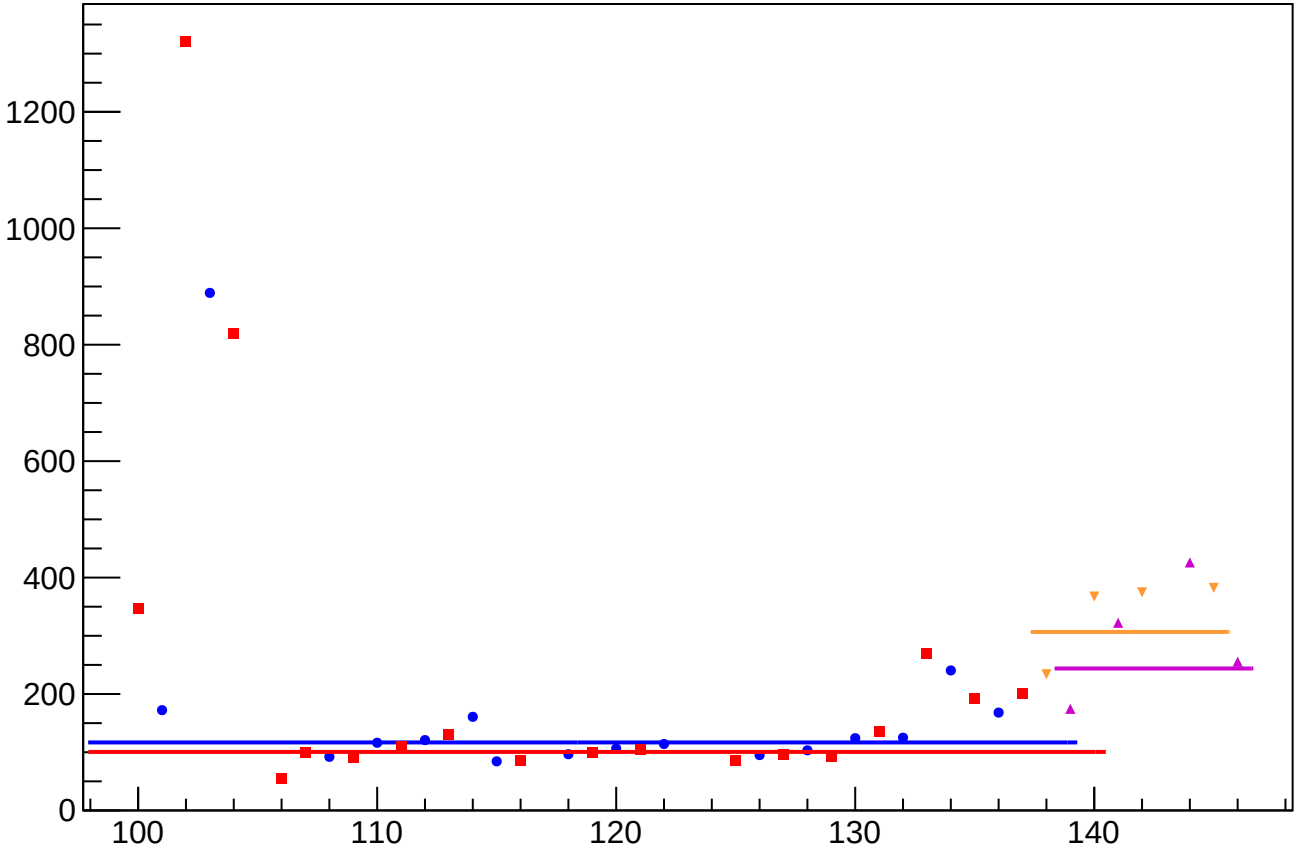
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.051+/-0.045 χ^2/NDF:17.0/19

Out: -0.030+/-0.042 χ^2/NDF:34.6/21

All: 0.008+/-0.031 χ^2/NDF: 53.4/41

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: 306.649+/-0.134 χ^2/NDF:276455.1/3

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 243.836+/-0.099 χ^2/NDF:670527.7/3

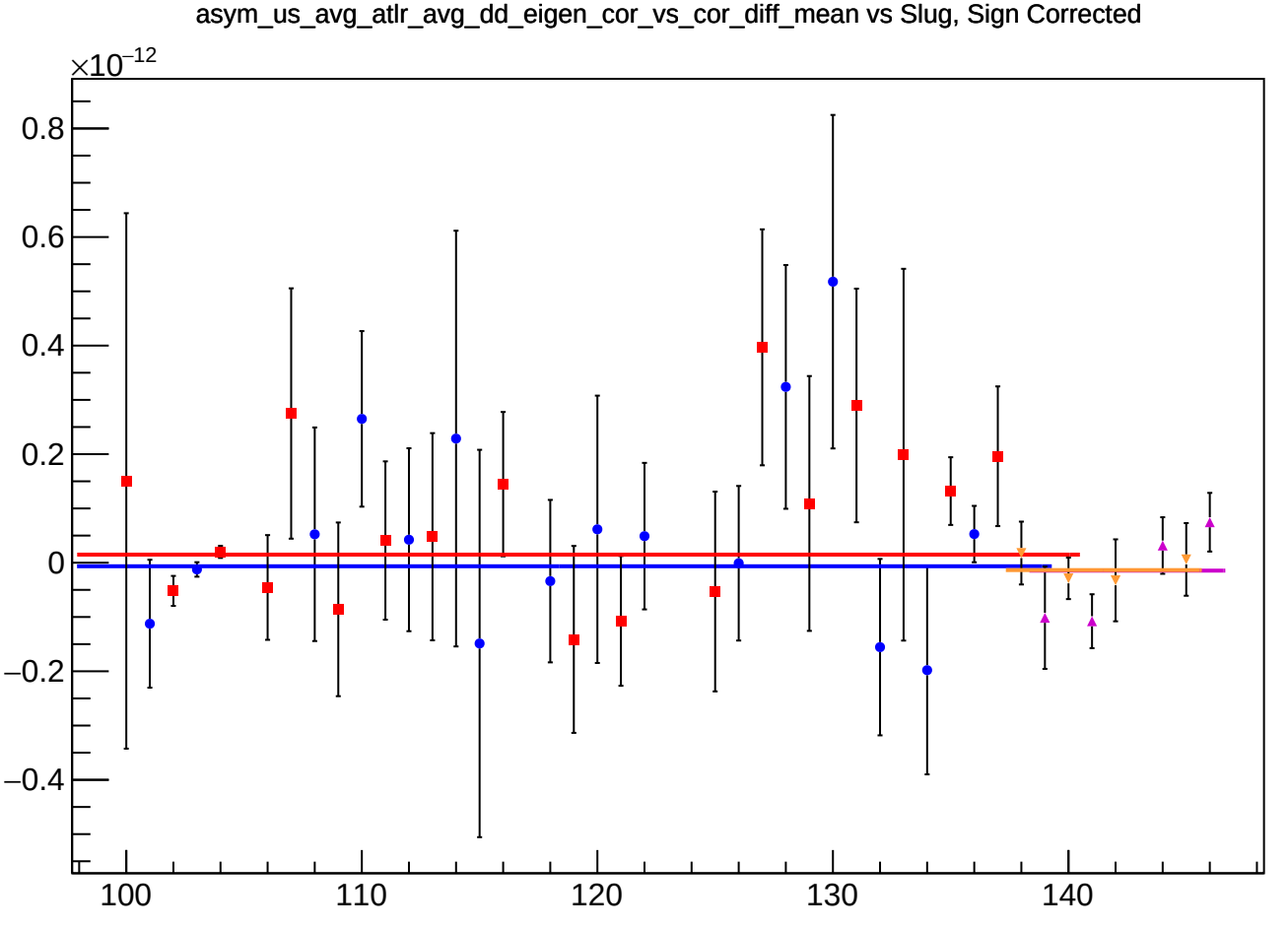
Left: 266.063+/-0.080 χ^2/NDF: 1089456.3/7

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 129.935+/-0.032 χ^2/NDF:3767463.1/19

Out: 110.840+/-0.030 χ^2/NDF:5196133.0/21

All: 119.804+/-0.022 χ^2/NDF: 9155074.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/3

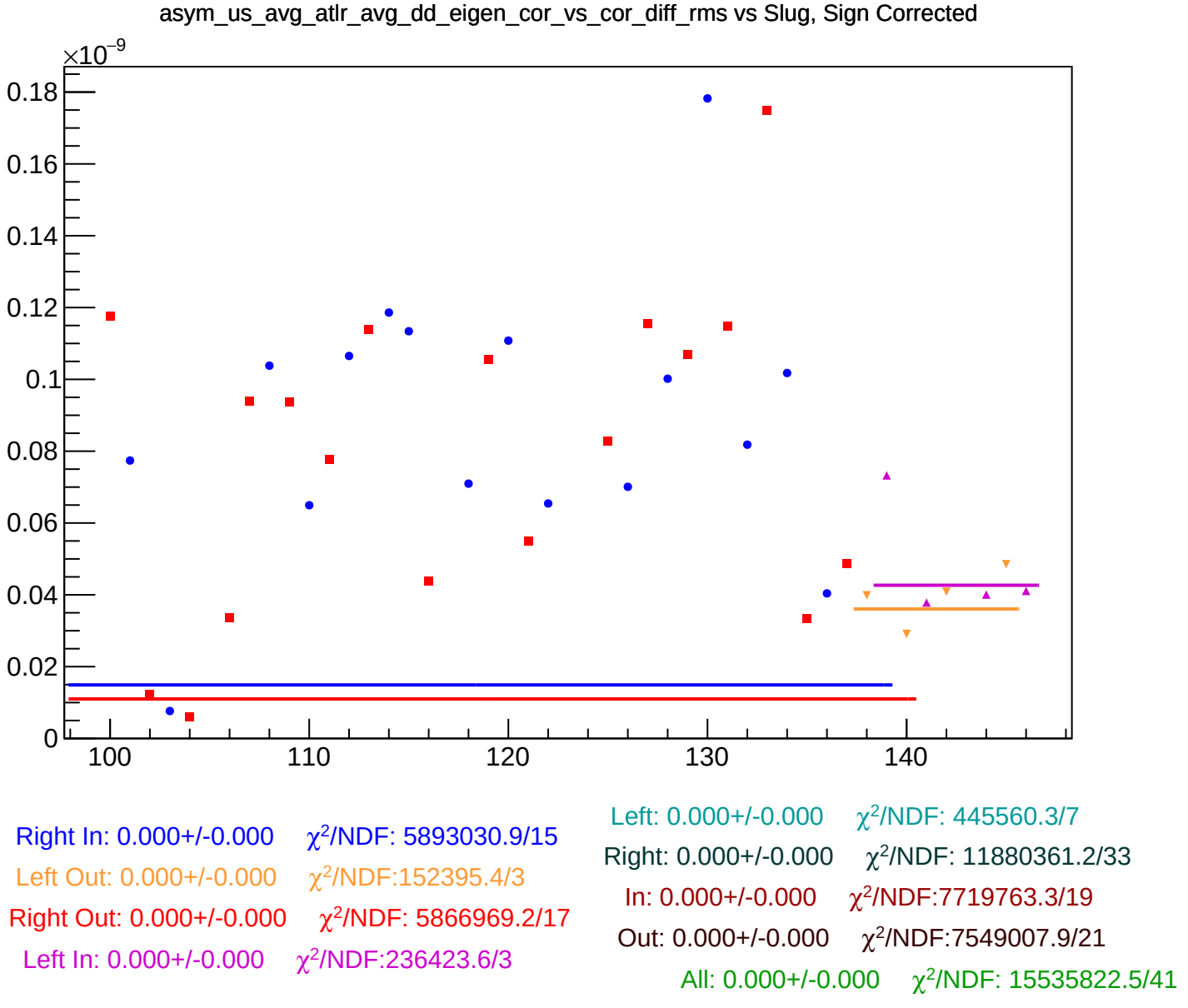
Left: -0.000+/-0.000 χ^2/NDF: 8.5/7

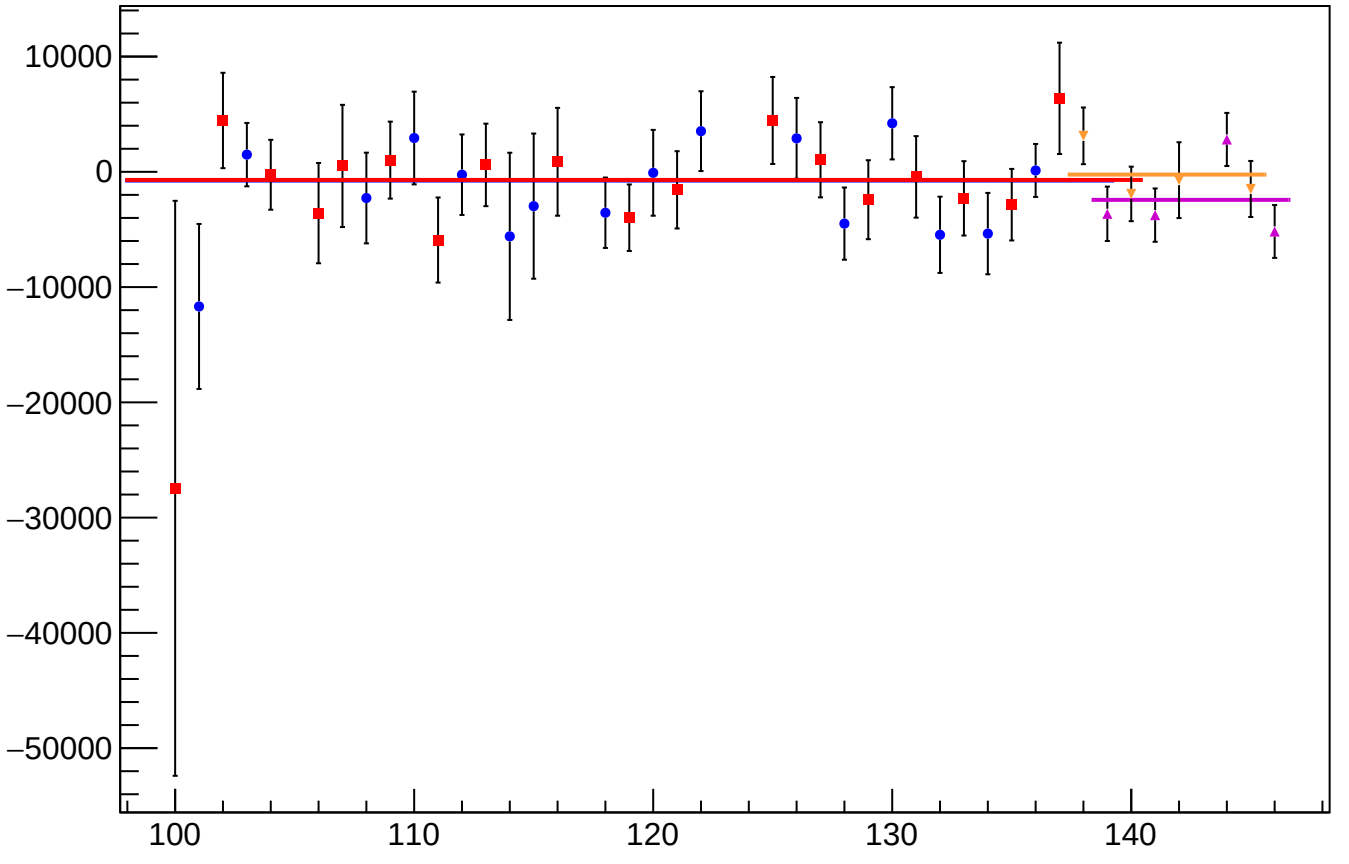
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: -0.000+/-0.000 χ^2/NDF:21.0/19

Out: 0.000+/-0.000 χ^2/NDF:23.5/21

All: 0.000+/-0.000 χ^2/NDF: 46.2/41


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
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:152395.4/3
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:236423.6/3
Left: 0.000+/-0.000 χ²/NDF: 445560.3/7
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:7719763.3/19
Out: 0.000+/-0.000 χ²/NDF:7549007.9/21
All: 0.000+/-0.000 χ²/NDF: 15535822.5/41



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -238.507+/-1284.900 χ^2/NDF:2.7/3

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -2432.157+/-1158.364 χ^2/NDF:7.2/3

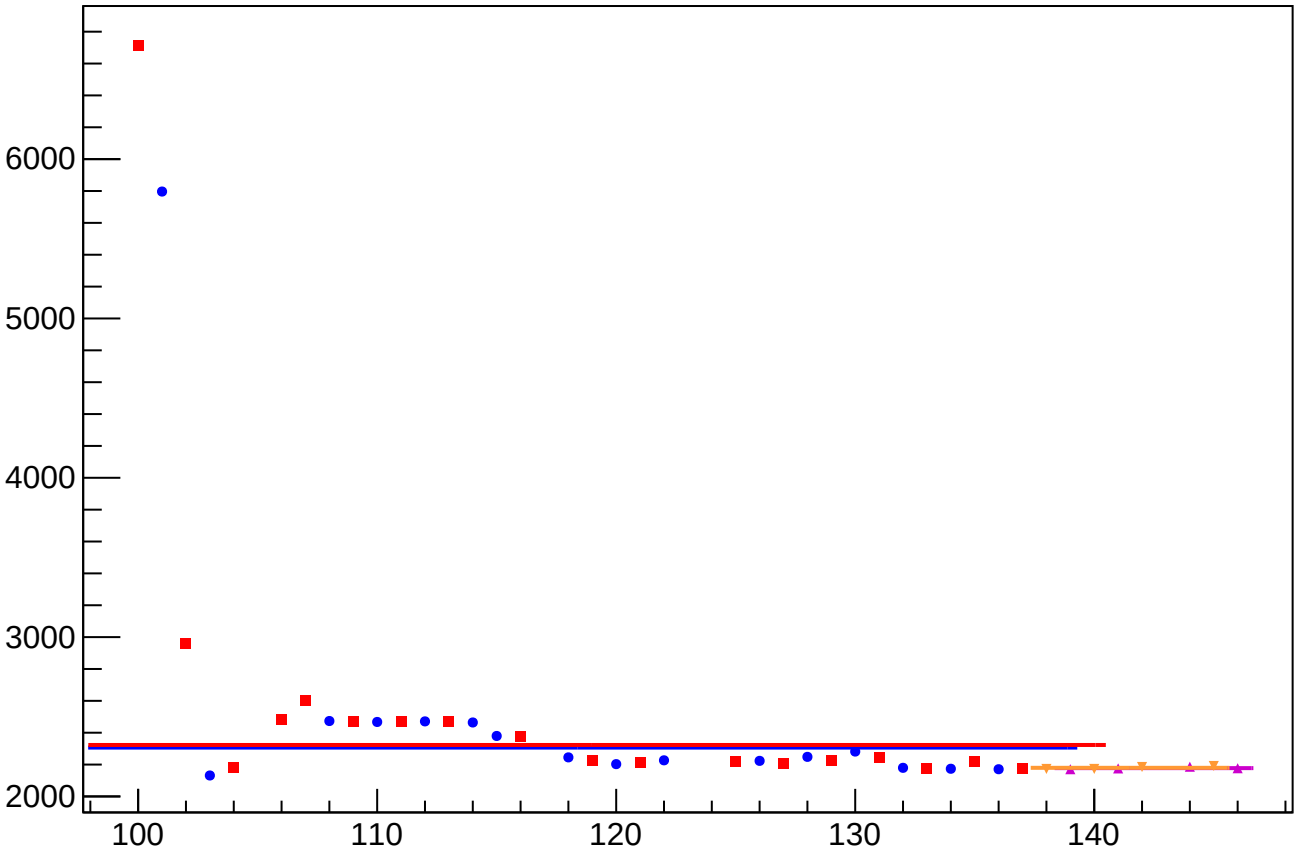
Left: -1448.637+/-860.354 χ^2/NDF: 11.5/7

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -1361.772+/-697.000 χ^2/NDF:24.4/19

Out: -556.750+/-719.629 χ^2/NDF:15.1/21

All: -972.117+/-500.662 χ^2/NDF: 40.2/41



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.625+/-0.909 χ^2/NDF:83.7/3

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

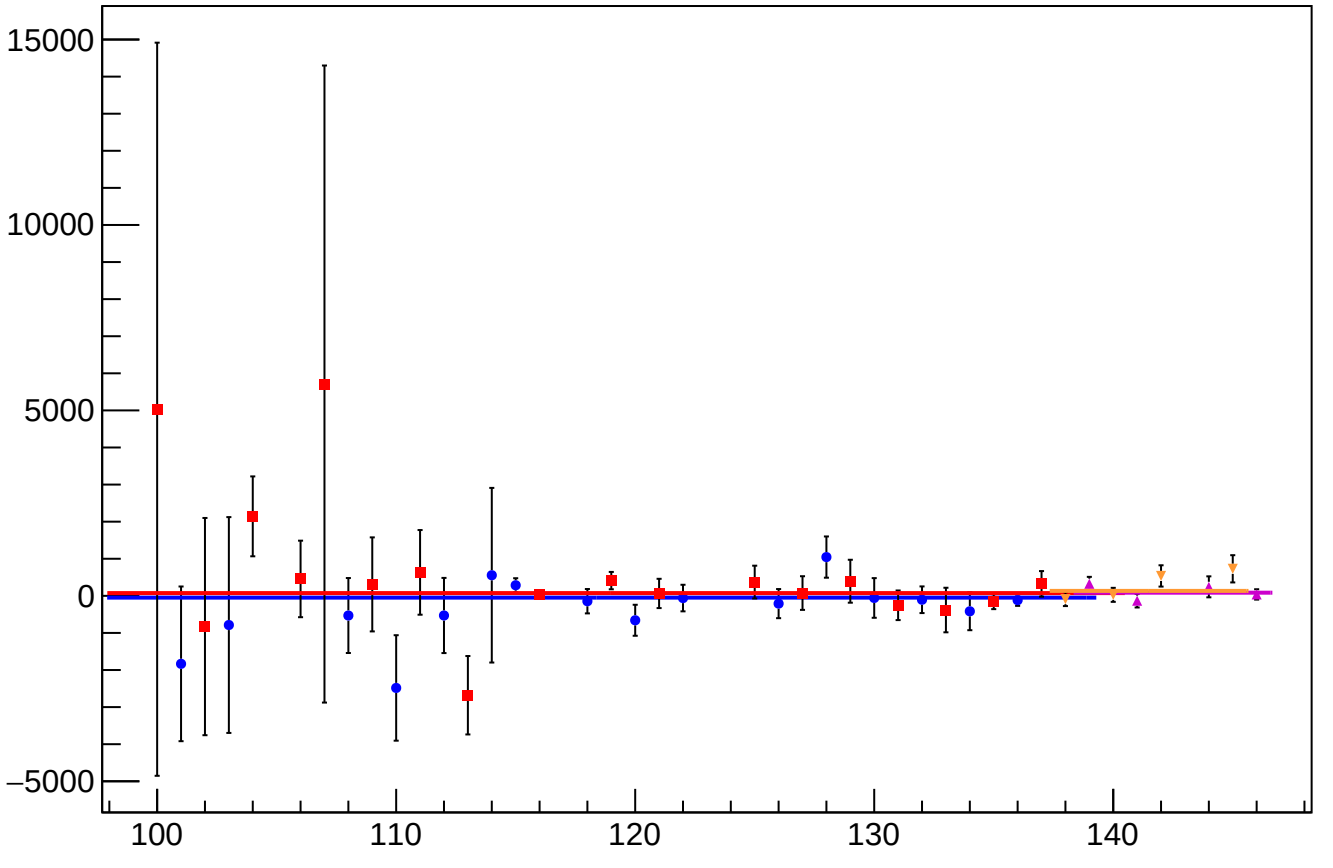
Left: 2178.568+/-0.608 χ^2/NDF: 133.4/7

Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2259.962+/-0.493 χ^2/NDF:530004.8/19

Out: 2278.034+/-0.509 χ^2/NDF:168964.2/21

All: 2268.710+/-0.354 χ^2/NDF: 699619.8/41



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: 133.249+/-114.693 χ^2/NDF:6.3/3

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 85.018+/-90.353 χ^2/NDF:3.5/3

Left: 103.488+/-70.975 χ^2/NDF: 9.9/7

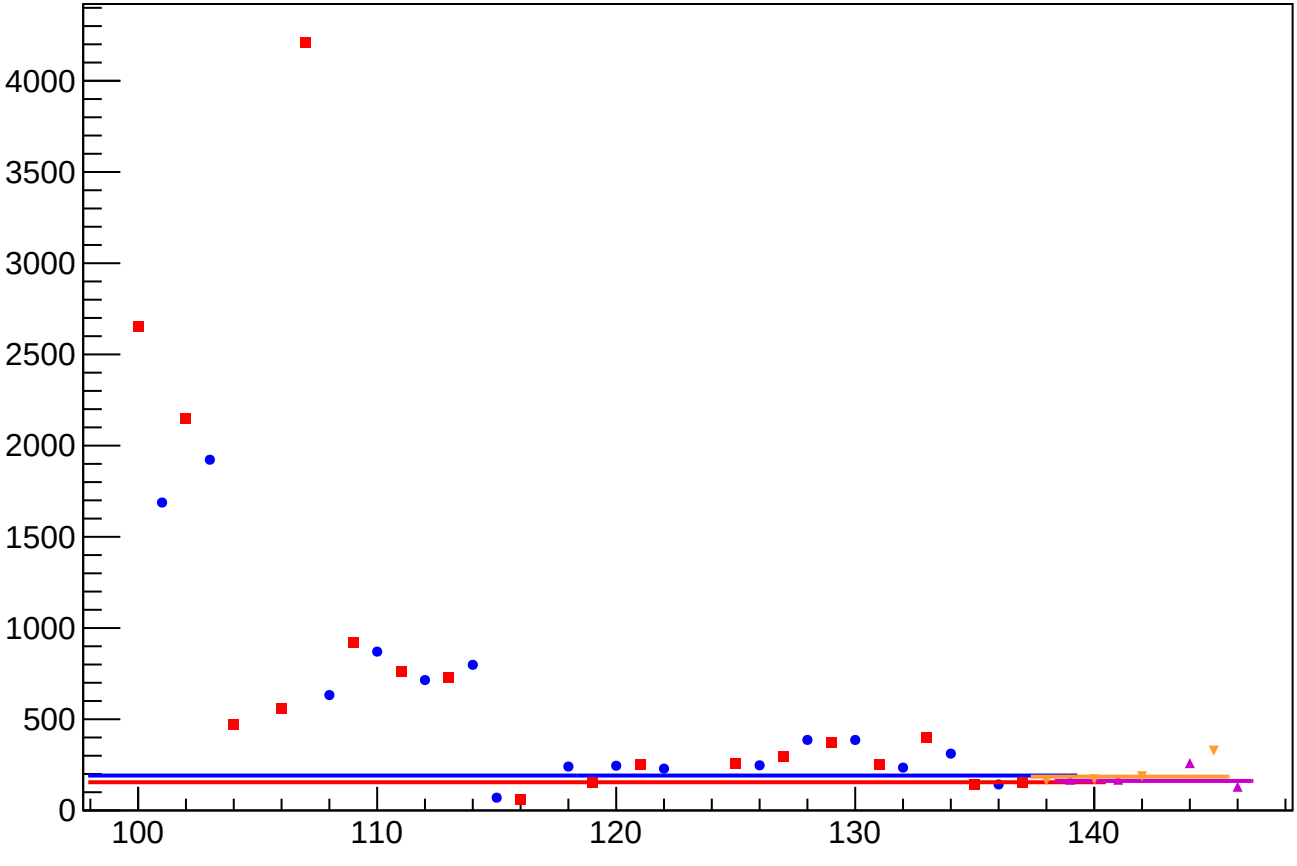
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 18.957+/-64.087 χ^2/NDF:18.9/19

Out: 94.297+/-66.911 χ^2/NDF:24.1/21

All: 55.004+/-46.282 χ^2/NDF: 43.7/41

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: 185.514+/-0.081 χ^2/NDF:343647.0/3

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 161.791+/-0.064 χ^2/NDF:346822.9/3

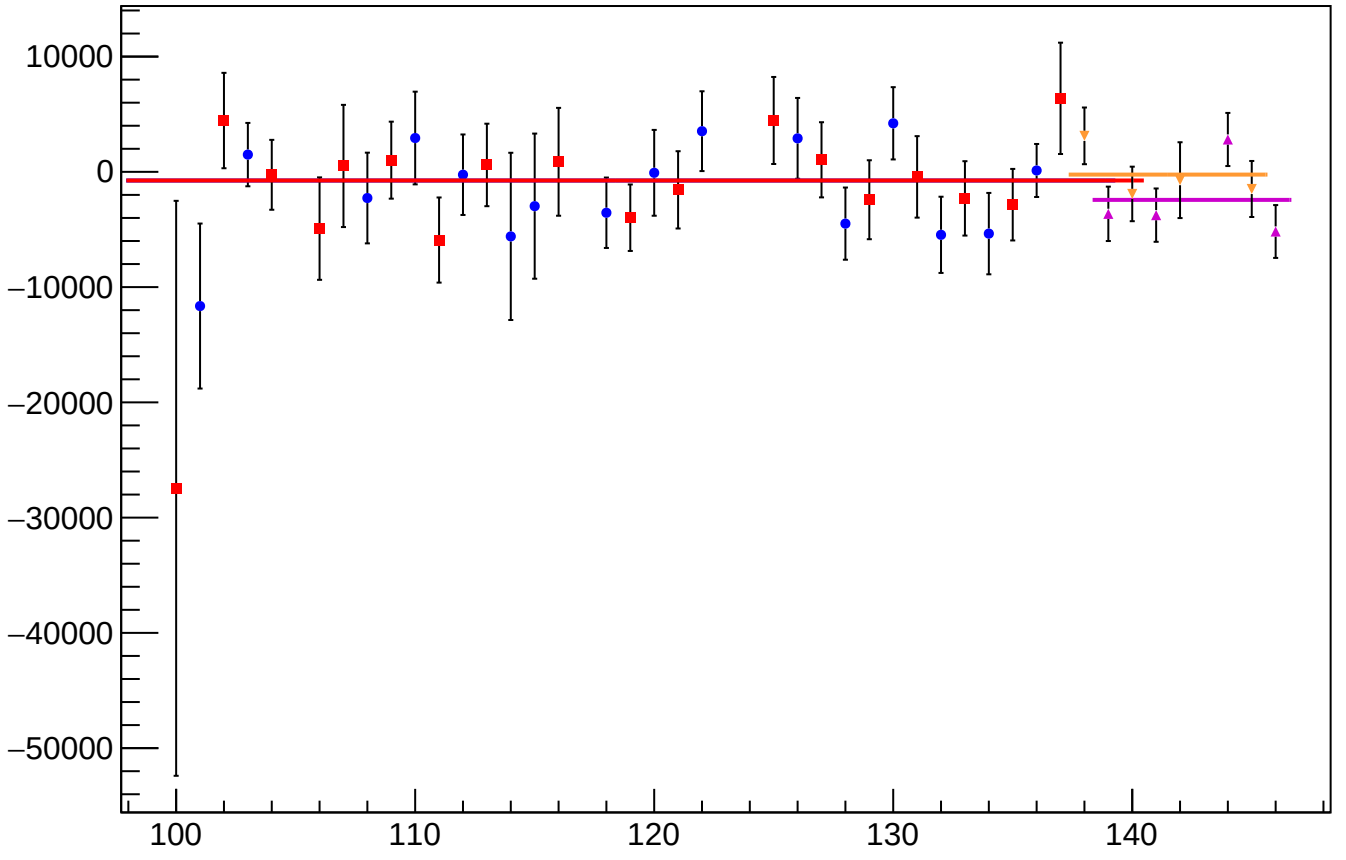
Left: 170.876+/-0.050 χ^2/NDF: 743268.6/7

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 176.494+/-0.045 χ^2/NDF:5518152.7/19

Out: 165.172+/-0.047 χ^2/NDF:6593308.7/21

All: 171.077+/-0.033 χ^2/NDF: 12141328.1/41



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -238.484+/-1284.900 χ^2/NDF:2.7/3

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -2432.293+/-1158.364 χ^2/NDF:7.2/3

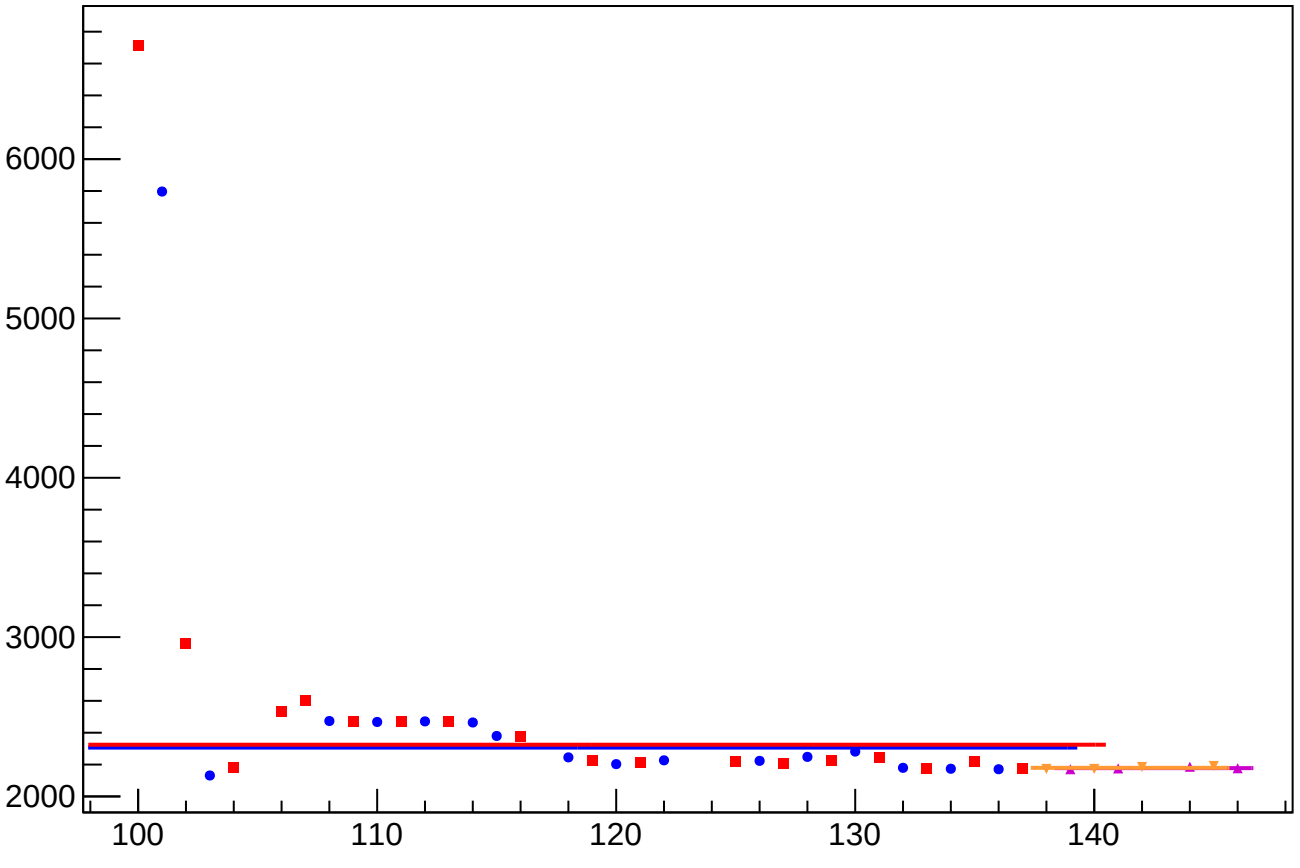
Left: -1448.702+/-860.354 χ^2/NDF: 11.5/7

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1361.203+/-697.000 χ^2/NDF:24.4/19

Out: -588.900+/-720.037 χ^2/NDF:15.6/21

All: -987.604+/-500.800 χ^2/NDF: 40.6/41



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.625+/-0.909 χ^2/NDF:83.7/3

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

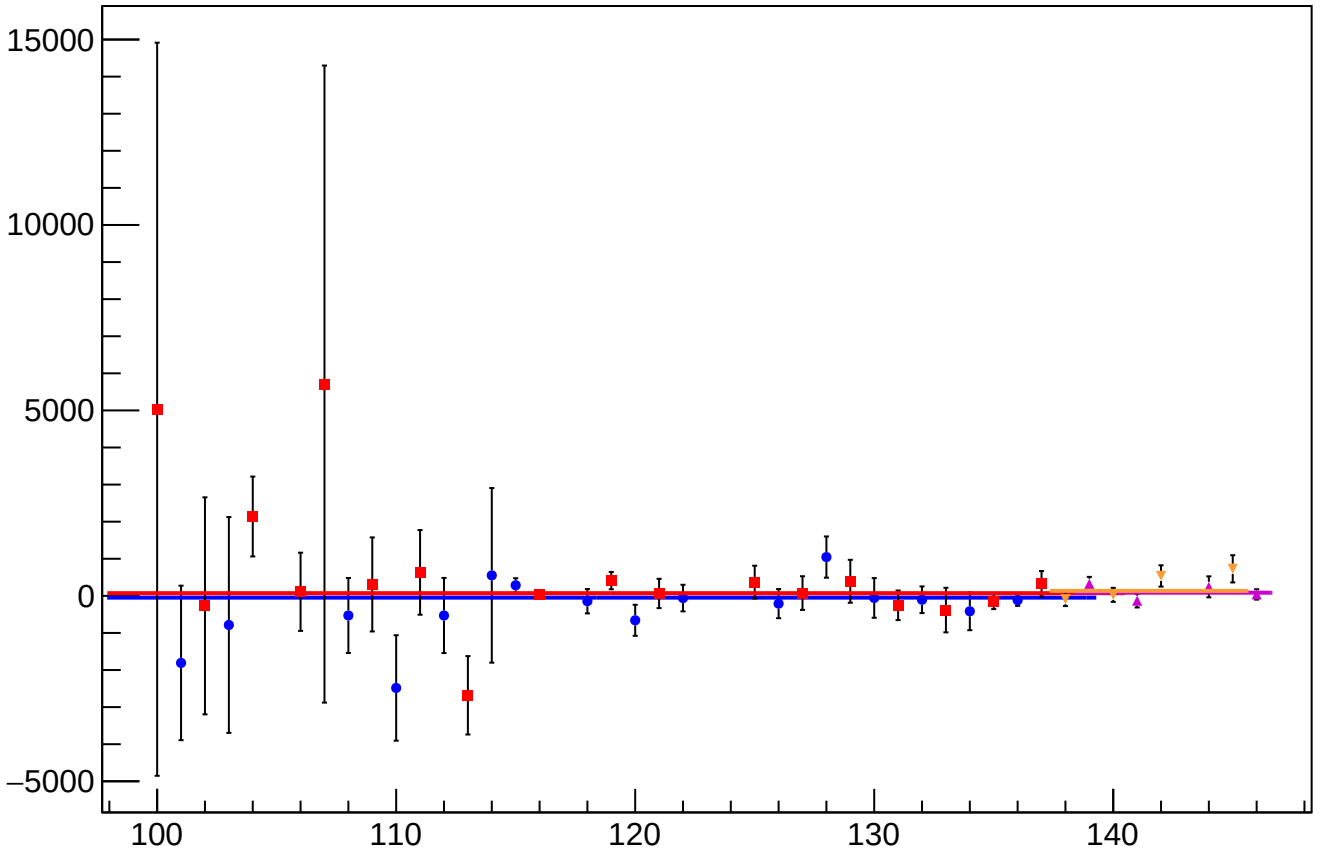
Left: 2178.569+/-0.608 χ^2/NDF: 133.4/7

Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2259.962+/-0.493 χ^2/NDF:530005.1/19

Out: 2279.132+/-0.509 χ^2/NDF:171148.0/21

All: 2269.235+/-0.354 χ^2/NDF: 701885.0/41



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: 133.352+/-114.693 χ^2/NDF:6.3/3

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 85.225+/-90.354 χ^2/NDF:3.5/3

Left: 103.655+/-70.975 χ^2/NDF: 9.9/7

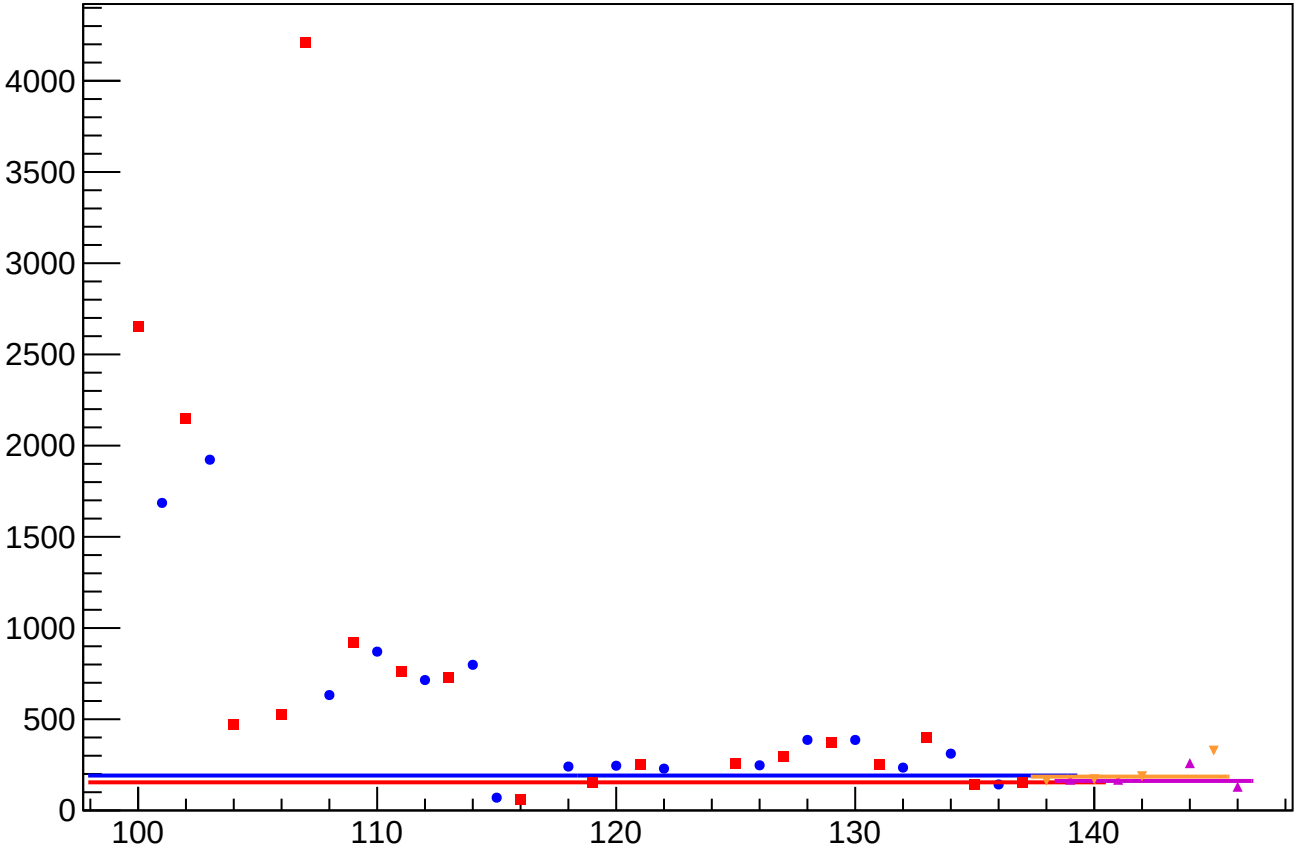
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 19.048+/-64.089 χ^2/NDF:18.9/19

Out: 92.991+/-66.878 χ^2/NDF:23.9/21

All: 54.445+/-46.272 χ^2/NDF: 43.5/41

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: 185.514+/-0.081 χ^2/NDF:343729.7/3

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 161.792+/-0.064 χ^2/NDF:346829.0/3

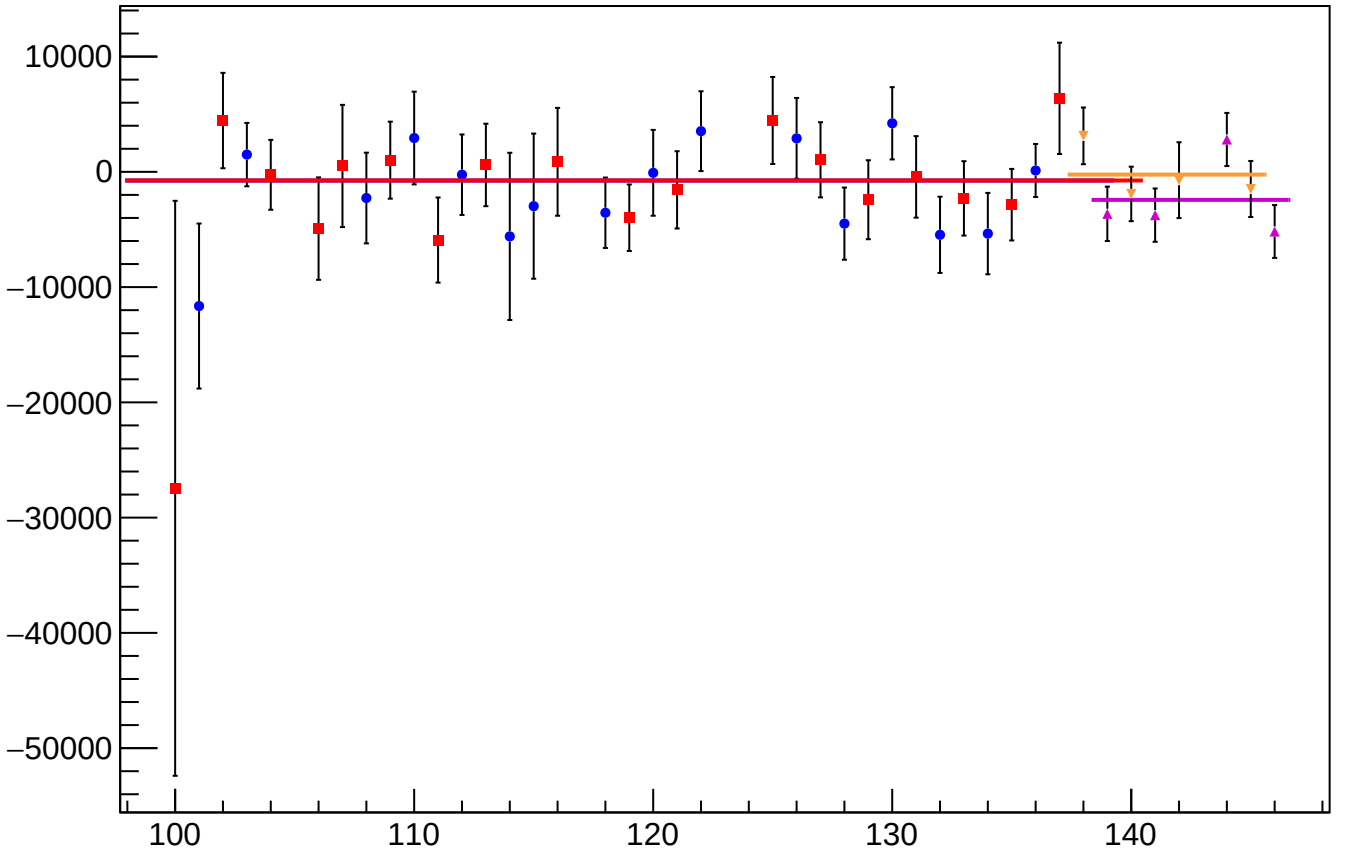
Left: 170.877+/-0.050 χ^2/NDF: 743352.2/7

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 176.506+/-0.045 χ^2/NDF:5517175.4/19

Out: 164.795+/-0.047 χ^2/NDF:6551287.8/21

All: 170.900+/-0.033 χ^2/NDF: 12100432.4/41



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -238.484+/-1284.900 χ^2/NDF:2.7/3

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -2432.293+/-1158.364 χ^2/NDF:7.2/3

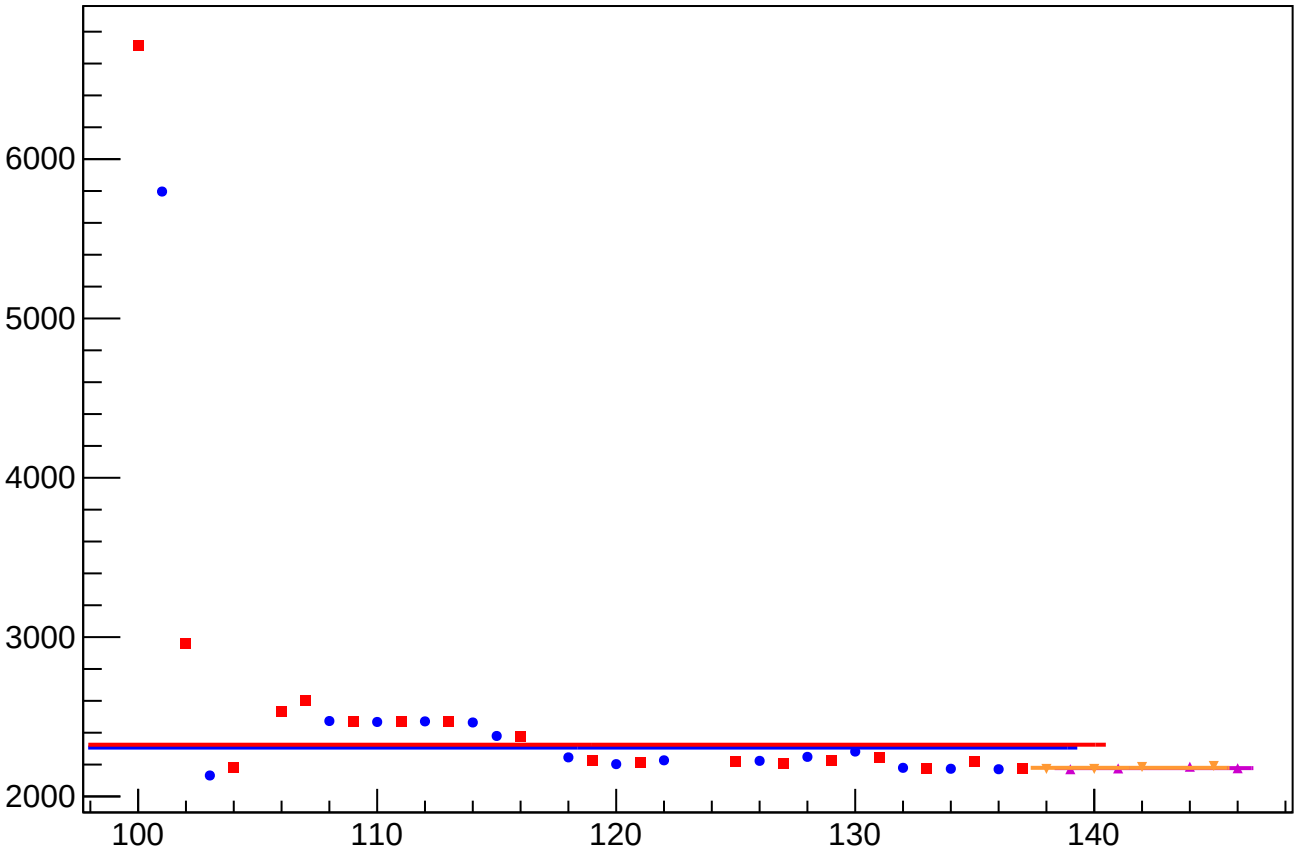
Left: -1448.702+/-860.354 χ^2/NDF: 11.5/7

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1361.203+/-697.000 χ^2/NDF:24.4/19

Out: -588.900+/-720.037 χ^2/NDF:15.6/21

All: -987.604+/-500.800 χ^2/NDF: 40.6/41



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.625+/-0.909 χ^2/NDF:83.7/3

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

Left: 2178.569+/-0.608 χ^2/NDF: 133.4/7

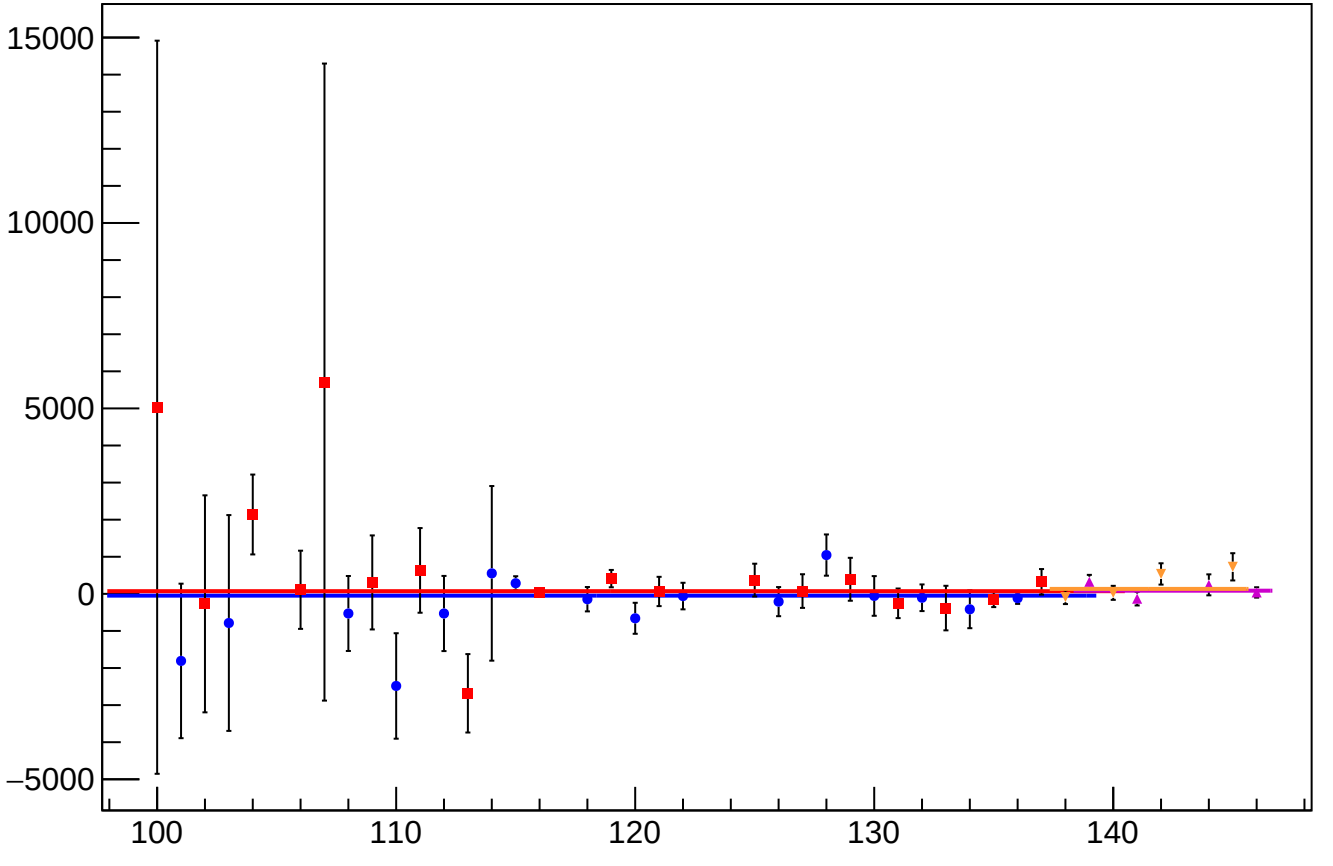
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2259.962+/-0.493 χ^2/NDF:530005.1/19

Out: 2279.132+/-0.509 χ^2/NDF:171148.0/21

All: 2269.235+/-0.354 χ^2/NDF: 701885.0/41

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: 133.352+/-114.693 χ^2/NDF:6.3/3

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 85.225+/-90.354 χ^2/NDF:3.5/3

Left: 103.655+/-70.975 χ^2/NDF: 9.9/7

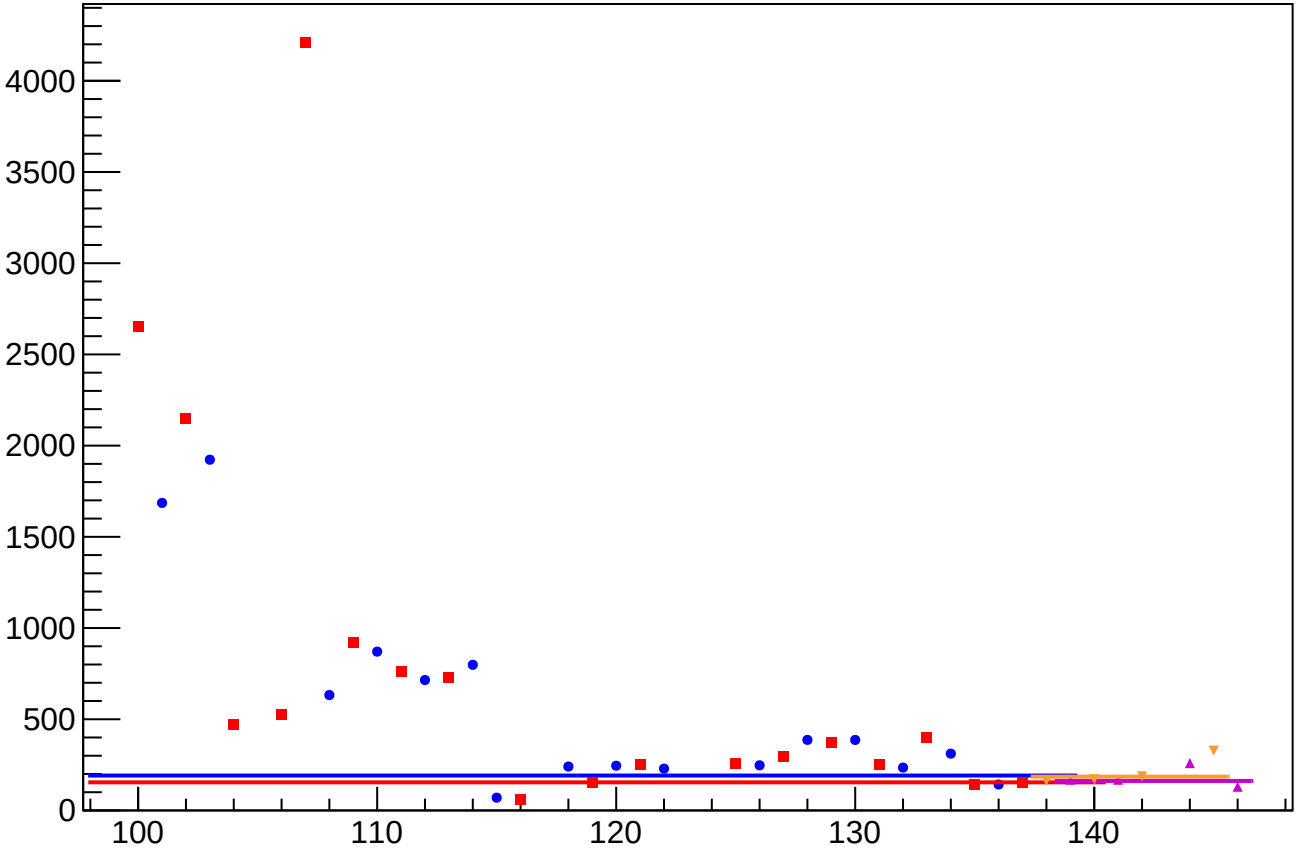
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 19.048+/-64.089 χ^2/NDF:18.9/19

Out: 92.991+/-66.878 χ^2/NDF:23.9/21

All: 54.445+/-46.272 χ^2/NDF: 43.5/41

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: 185.514+/-0.081 χ^2/NDF:343729.7/3

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 161.792+/-0.064 χ^2/NDF:346829.0/3

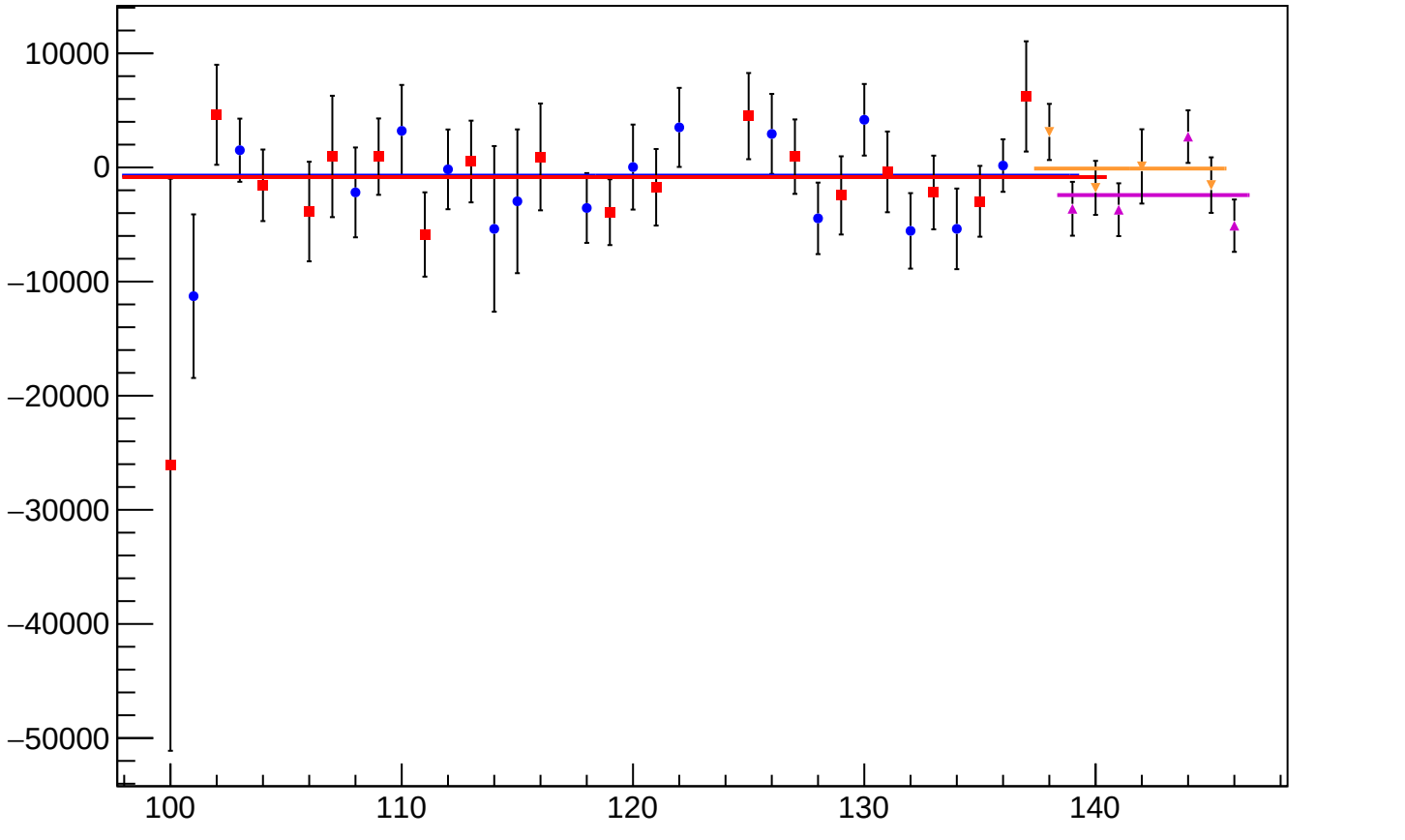
Left: 170.877+/-0.050 χ^2/NDF: 743352.2/7

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 176.506+/-0.045 χ^2/NDF:5517175.4/19

Out: 164.795+/-0.047 χ^2/NDF:6551287.8/21

All: 170.900+/-0.033 χ^2/NDF: 12100432.4/41



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -96.028+/-1283.309 χ^2/NDF:2.6/3

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -2420.212+/-1158.868 χ^2/NDF:6.9/3

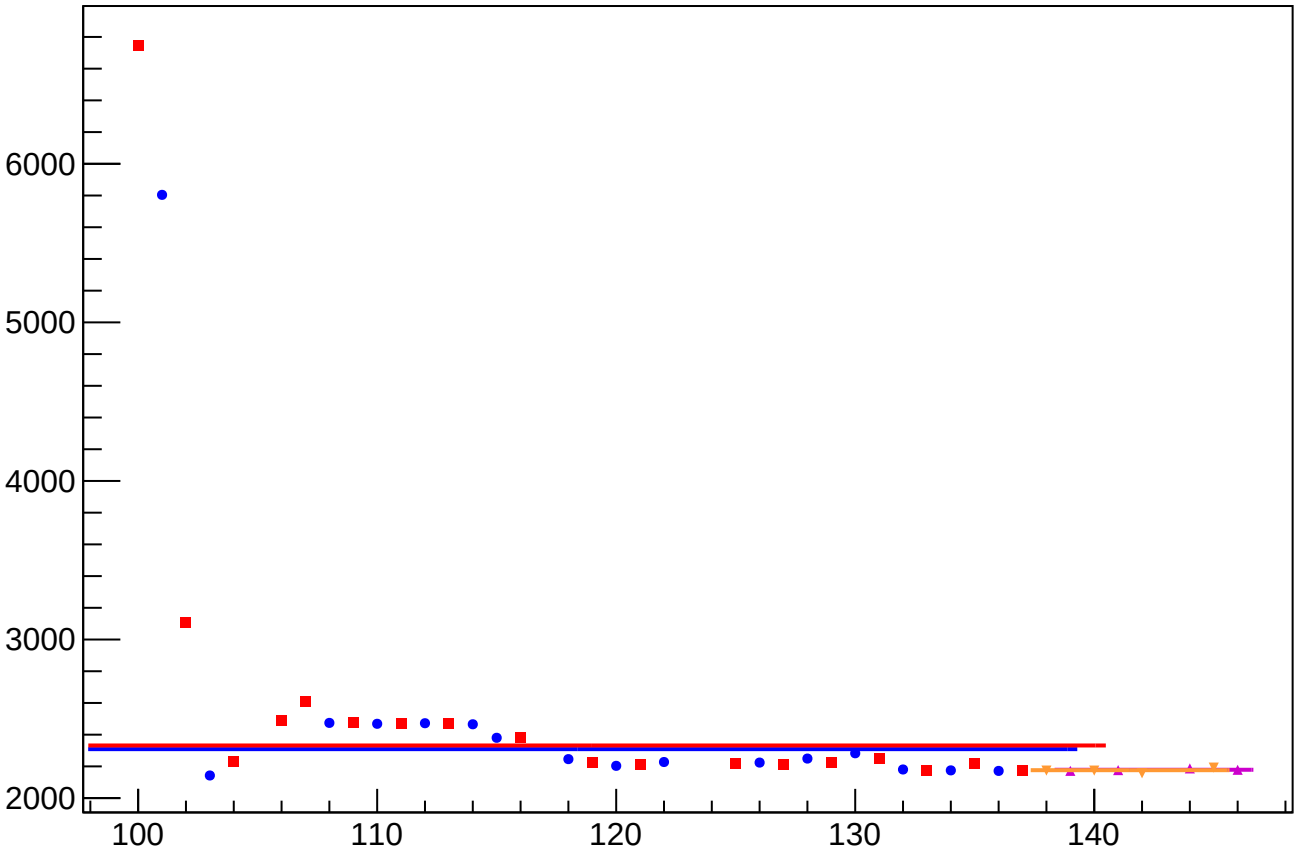
Left: -1376.242+/-860.082 χ^2/NDF: 11.2/7

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -1334.202+/-697.561 χ^2/NDF:24.1/19

Out: -605.891+/-722.147 χ^2/NDF:15.0/21

All: -982.655+/-501.717 χ^2/NDF: 39.6/41



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2176.033+/-0.907 χ^2/NDF:167.5/3

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2178.657+/-0.819 χ^2/NDF:45.5/3

Left: 2177.479+/-0.608 χ^2/NDF: 217.6/7

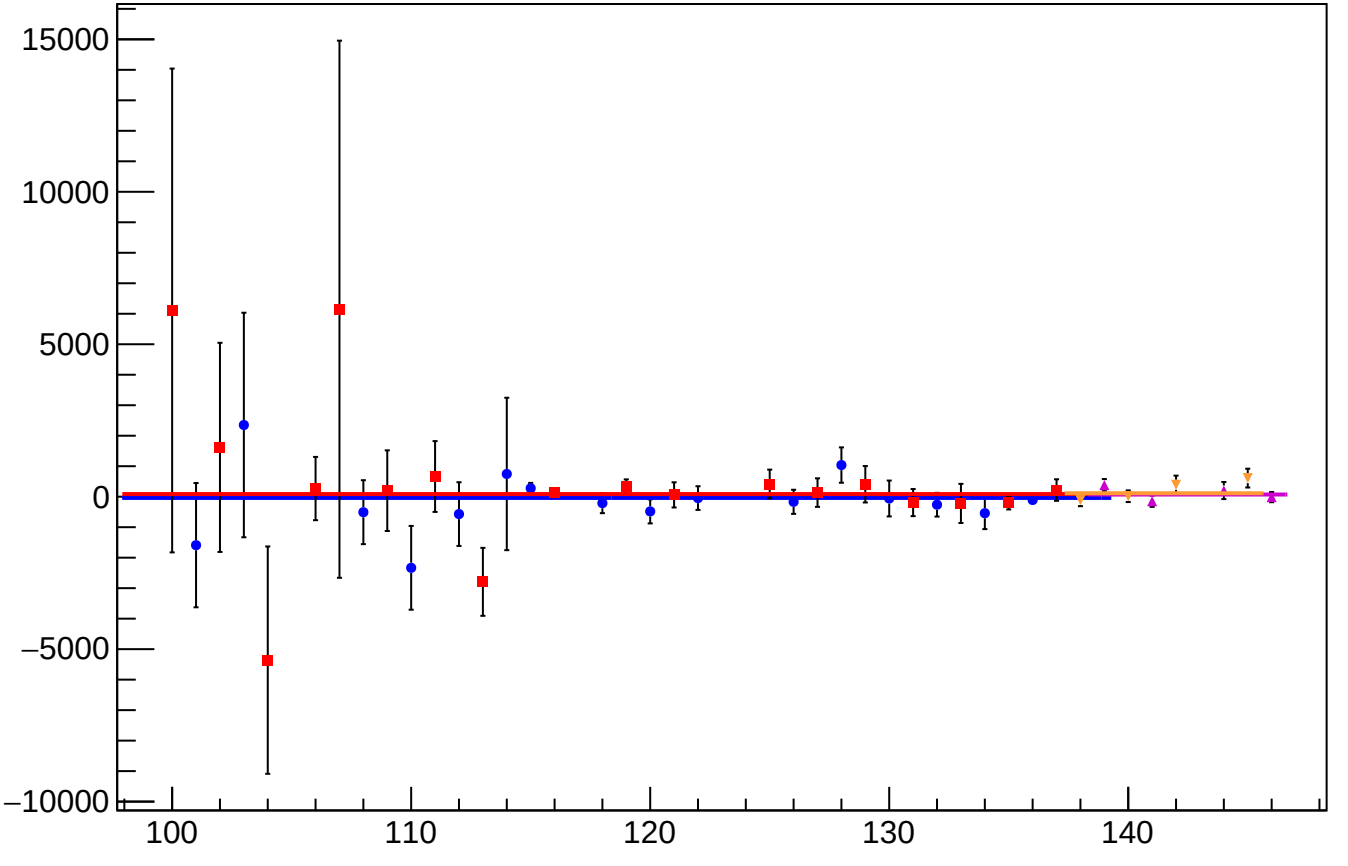
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2261.608+/-0.493 χ^2/NDF:529857.0/19

Out: 2282.509+/-0.511 χ^2/NDF:187637.2/21

All: 2271.697+/-0.355 χ^2/NDF: 718360.9/41

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: 112.966+/-116.128 χ^2/NDF:5.0/3

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 71.407+/-98.565 χ^2/NDF:4.3/3

Left: 88.809+/-75.146 χ^2/NDF: 9.3/7

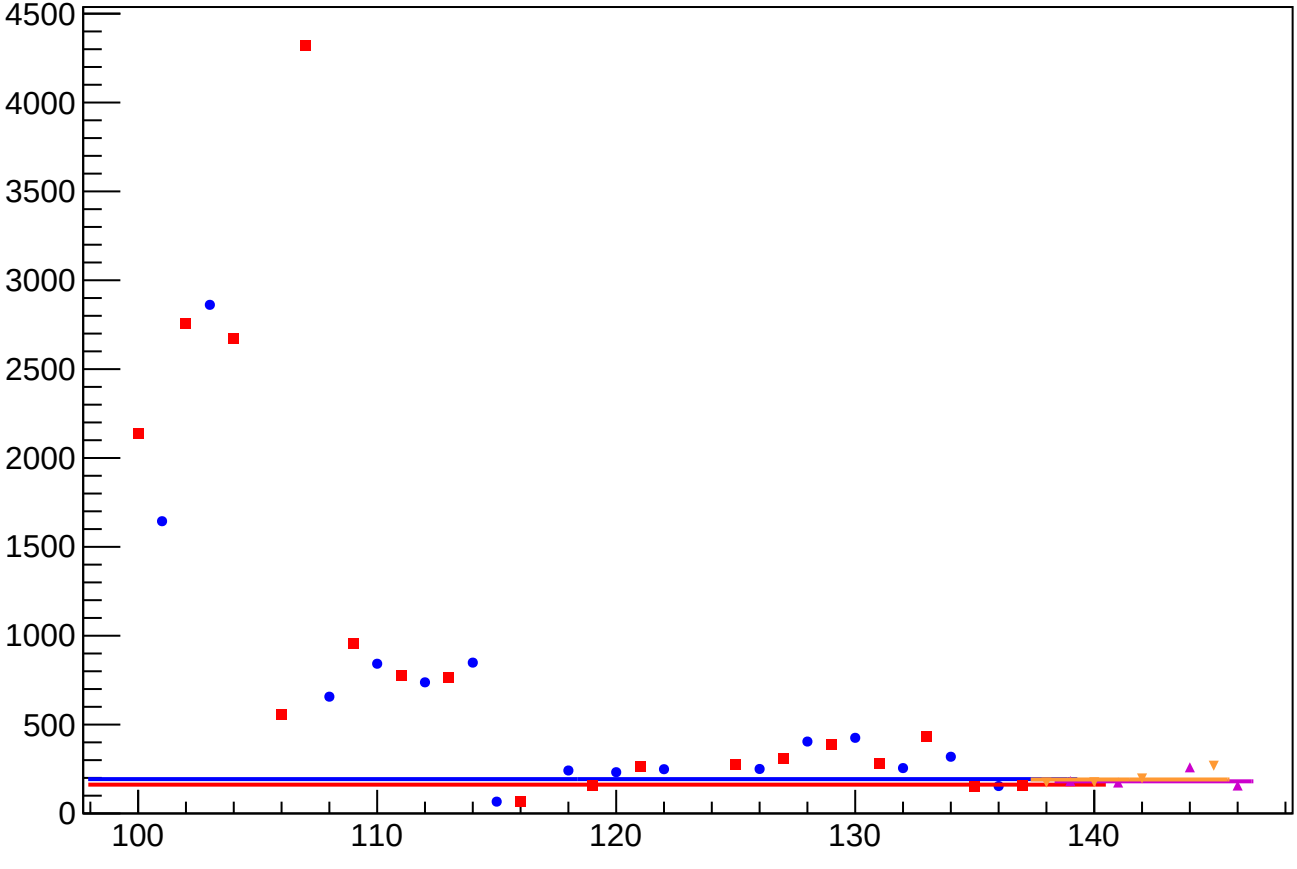
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 12.053+/-67.414 χ^2/NDF:19.0/19

Out: 95.808+/-69.158 χ^2/NDF:20.0/21

All: 52.861+/-48.274 χ^2/NDF: 39.8/41

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: 191.207+/-0.082 χ^2/NDF:155525.5/3

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 180.783+/-0.070 χ^2/NDF:200988.5/3

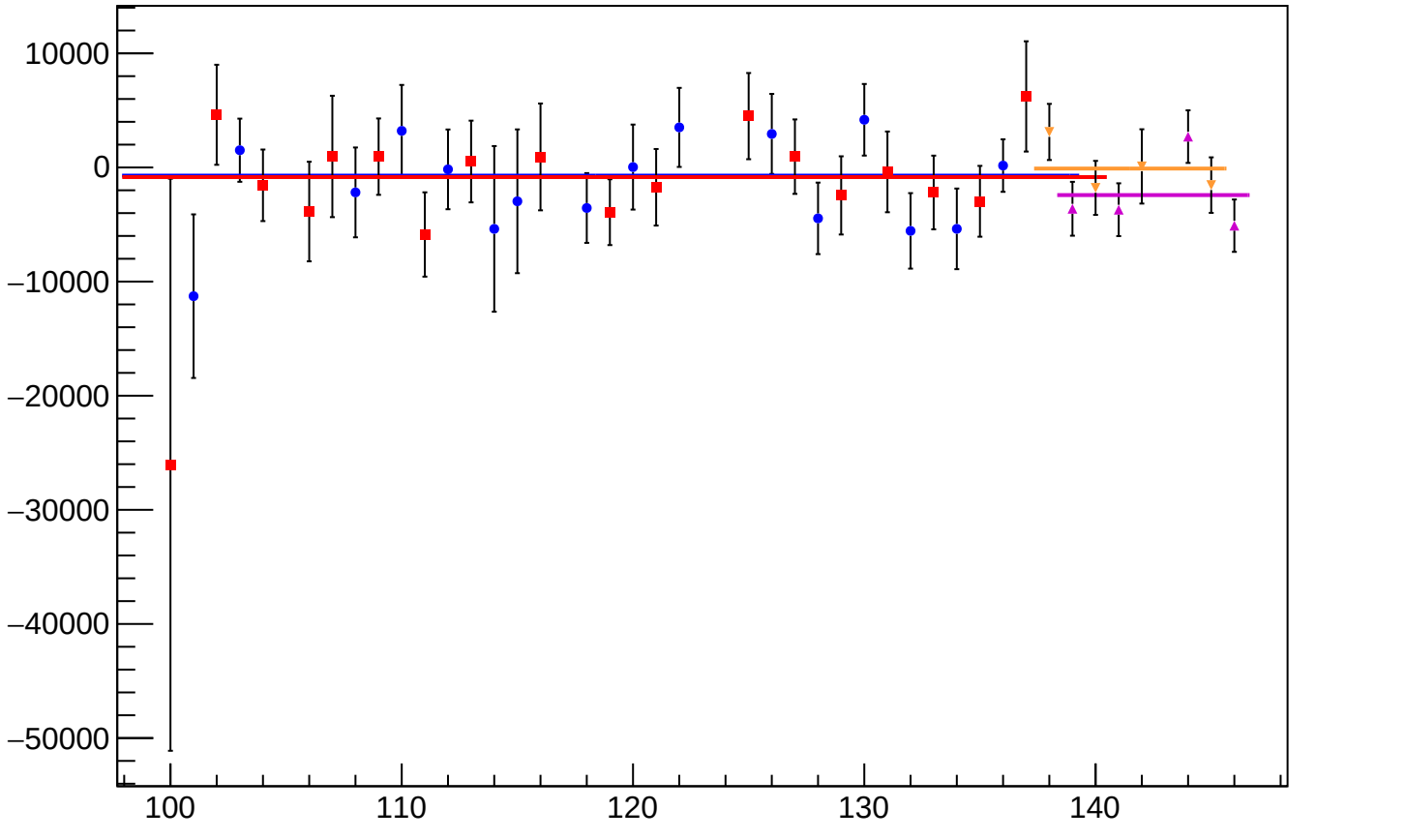
Left: 185.148+/-0.053 χ^2/NDF: 365882.1/7

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 187.421+/-0.048 χ^2/NDF:5835879.6/19

Out: 172.432+/-0.049 χ^2/NDF:7307023.5/21

All: 180.118+/-0.034 χ^2/NDF: 13191074.4/41



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -96.029+/-1283.309 χ^2/NDF:2.6/3

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -2420.211+/-1158.868 χ^2/NDF:6.9/3

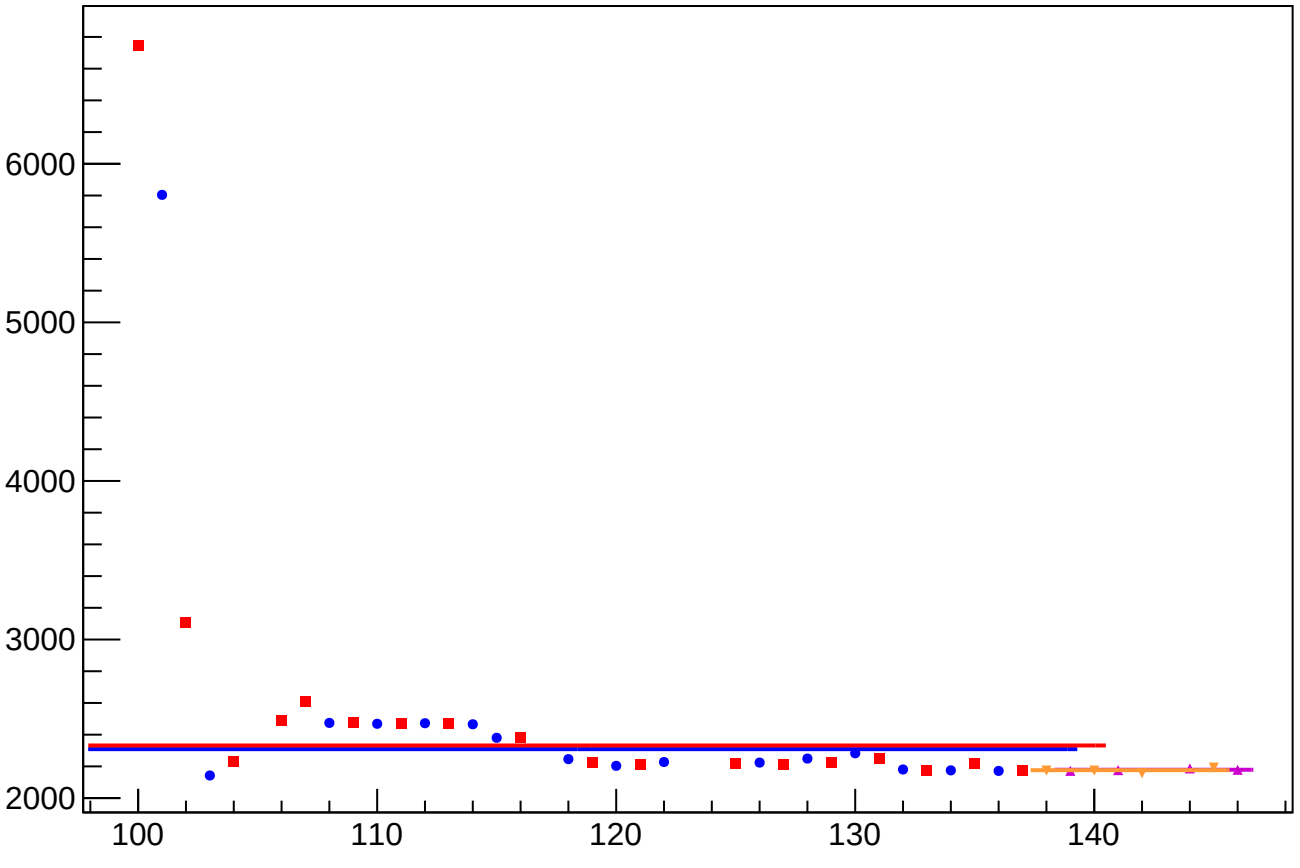
Left: -1376.242+/-860.082 χ^2/NDF: 11.2/7

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -1334.202+/-697.561 χ^2/NDF:24.1/19

Out: -605.892+/-722.147 χ^2/NDF:15.0/21

All: -982.655+/-501.717 χ^2/NDF: 39.6/41



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2176.033+/-0.907 χ^2/NDF:167.5/3

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2178.657+/-0.819 χ^2/NDF:45.5/3

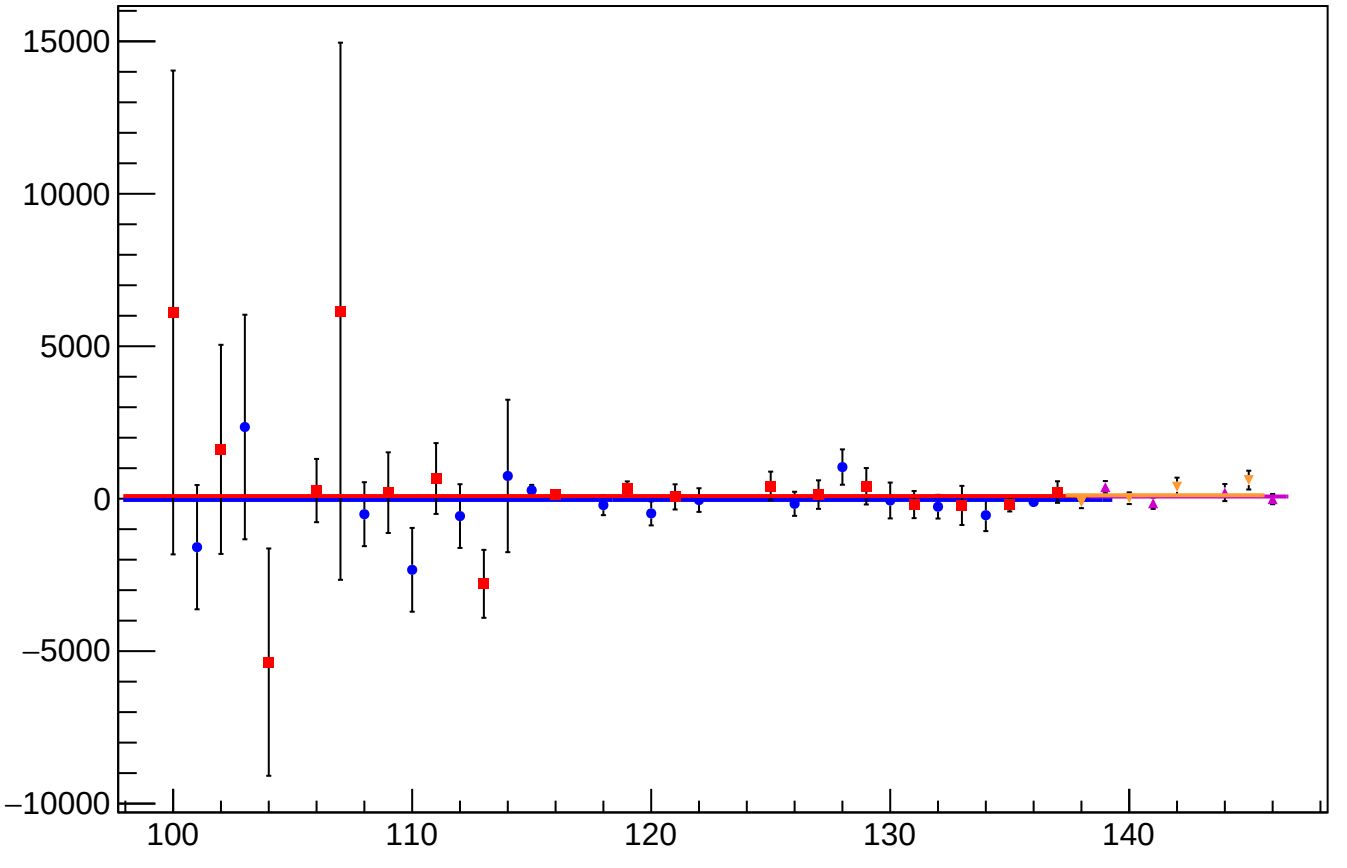
Left: 2177.479+/-0.608 χ^2/NDF: 217.6/7

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2261.607+/-0.493 χ^2/NDF:529857.0/19

Out: 2282.509+/-0.511 χ^2/NDF:187637.1/21

All: 2271.697+/-0.355 χ^2/NDF: 718360.8/41



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: 112.969+/-116.129 χ^2/NDF:5.0/3

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 71.405+/-98.565 χ^2/NDF:4.3/3

Left: 88.809+/-75.147 χ^2/NDF: 9.3/7

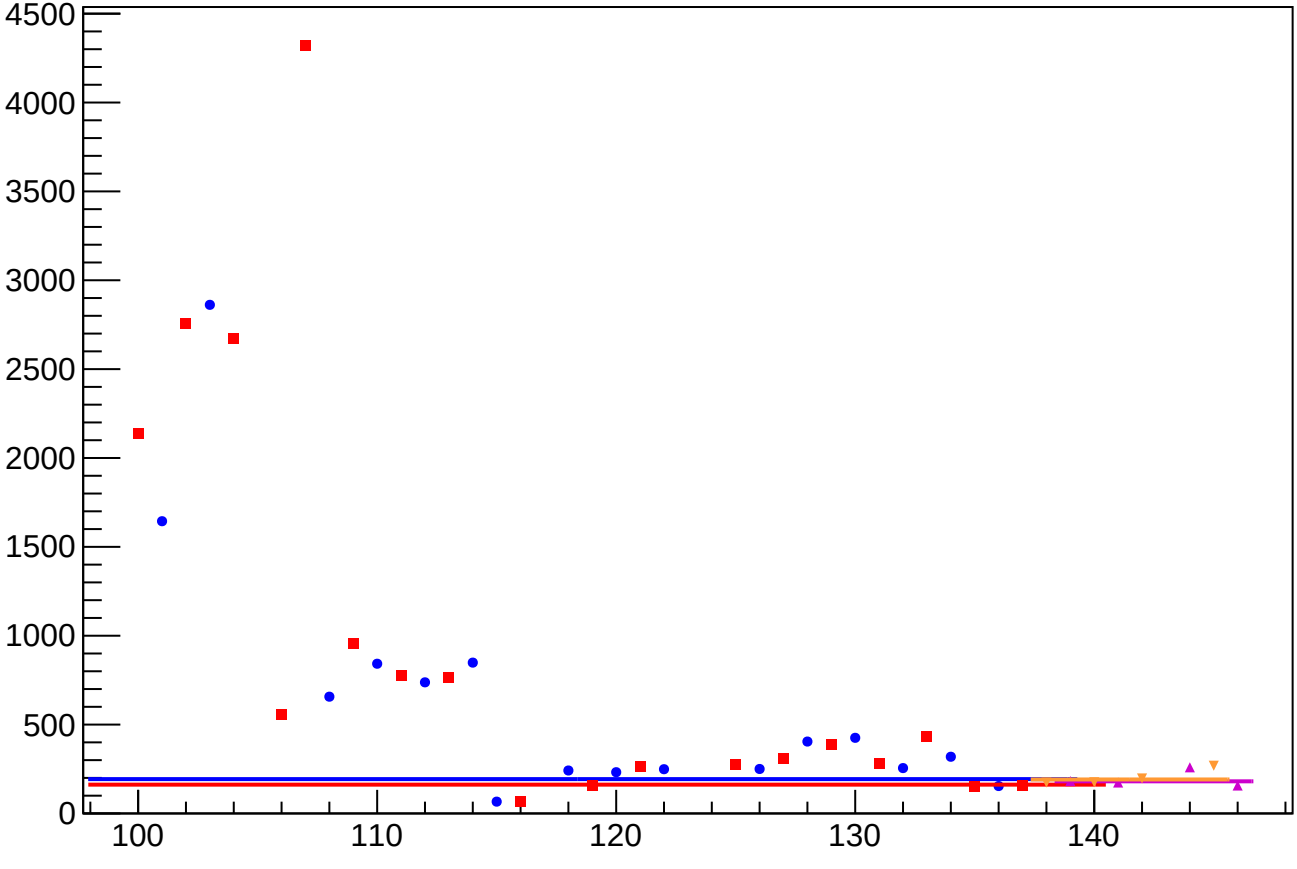
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 12.053+/-67.414 χ^2/NDF:19.0/19

Out: 95.810+/-69.157 χ^2/NDF:20.0/21

All: 52.862+/-48.273 χ^2/NDF: 39.8/41

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: 191.209+/-0.082 χ^2/NDF:155516.1/3

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 180.784+/-0.070 χ^2/NDF:200983.9/3

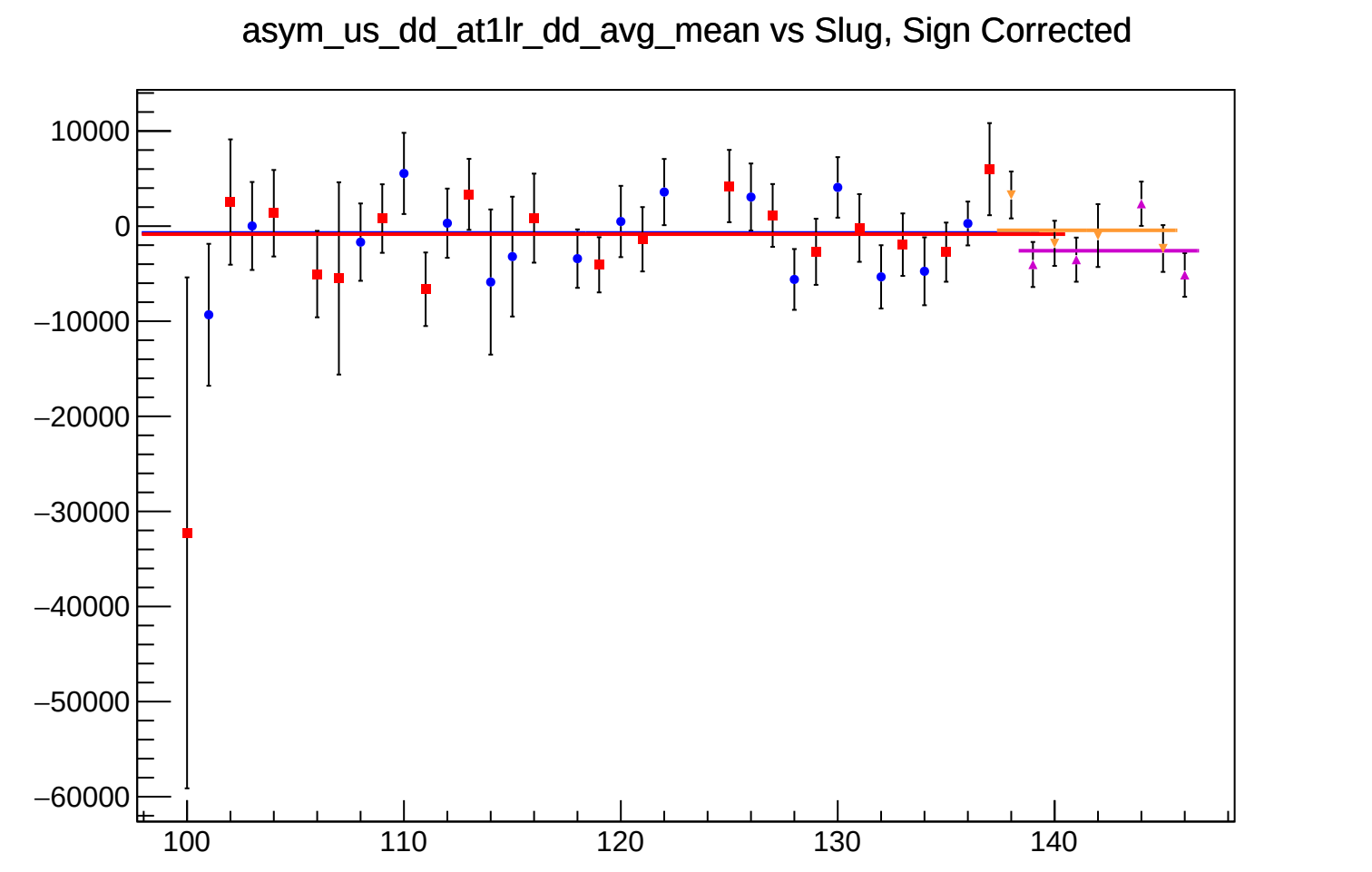
Left: 185.149+/-0.053 χ^2/NDF: 365868.7/7

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 187.420+/-0.048 χ^2/NDF:5835903.7/19

Out: 172.431+/-0.049 χ^2/NDF:7307092.3/21

All: 180.117+/-0.034 χ^2/NDF: 13191170.8/41



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -438.869+/-1292.649 χ^2/NDF:3.2/3

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -2590.075+/-1163.836 χ^2/NDF:6.3/3

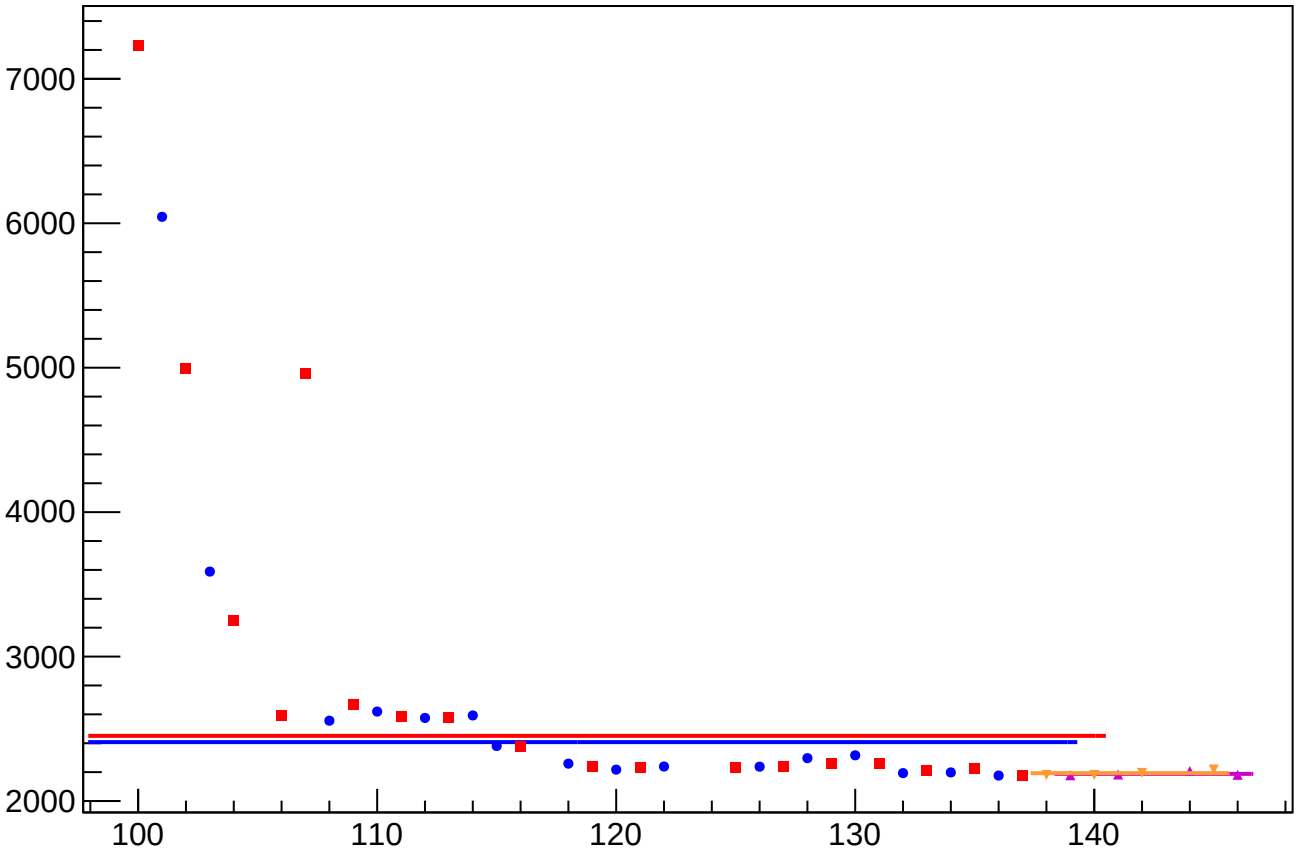
Left: -1626.966+/-864.922 χ^2/NDF: 11.0/7

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1435.267+/-719.910 χ^2/NDF:23.7/19

Out: -706.610+/-754.228 χ^2/NDF:16.2/21

All: -1087.893+/-520.763 χ^2/NDF: 40.4/41



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2192.722+/-0.914 χ^2/NDF:317.7/3

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.965+/-0.823 χ^2/NDF:198.3/3

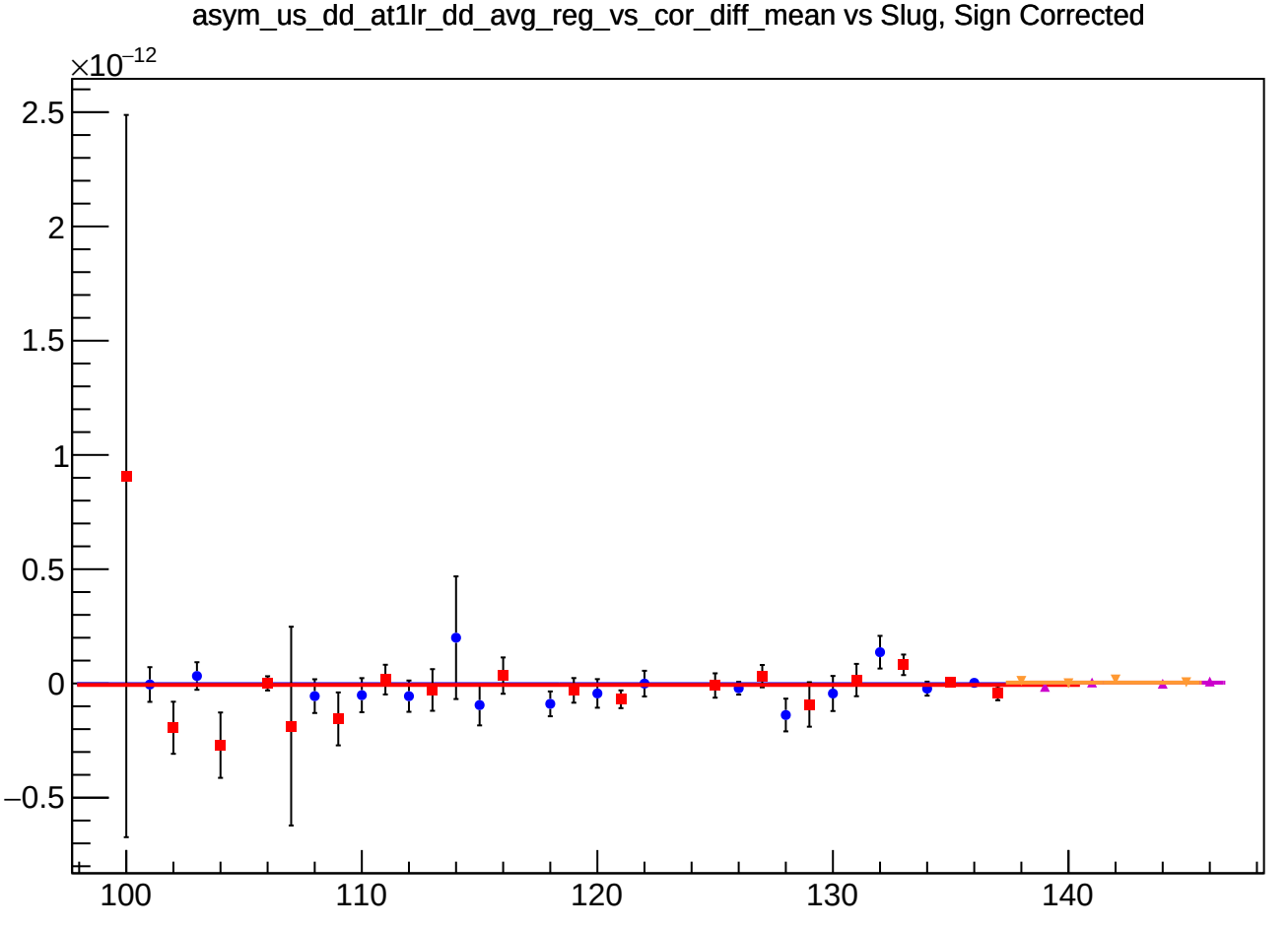
Left: 2190.094+/-0.612 χ^2/NDF: 531.0/7

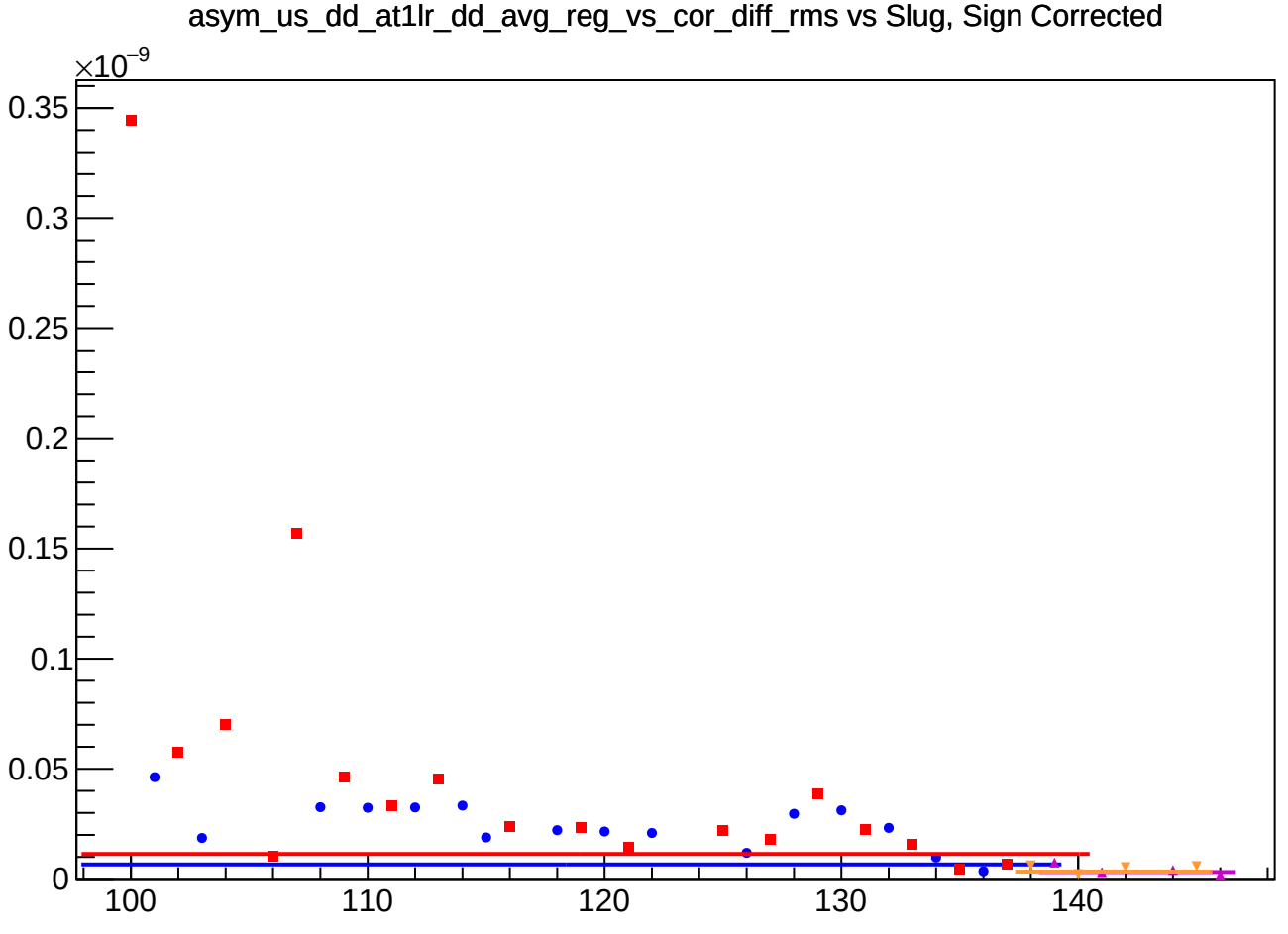
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2323.682+/-0.509 χ^2/NDF:721142.1/19

Out: 2363.196+/-0.533 χ^2/NDF:686656.9/21

All: 2342.520+/-0.368 χ^2/NDF: 1410671.4/41


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2.5
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2.2/3
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:3.8/3
Left: 0.000+/-0.000 χ²/NDF: 6.0/7
Right: -0.000+/-0.000 χ²/NDF: 34.5/33
In: 0.000+/-0.000 χ²/NDF:20.3/19
Out: 0.000+/-0.000 χ²/NDF:22.0/21
All: 0.000+/-0.000 χ²/NDF: 42.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:508813.7/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:422357.7/3

Left: 0.000+/-0.000 χ^2/NDF: 934504.6/7

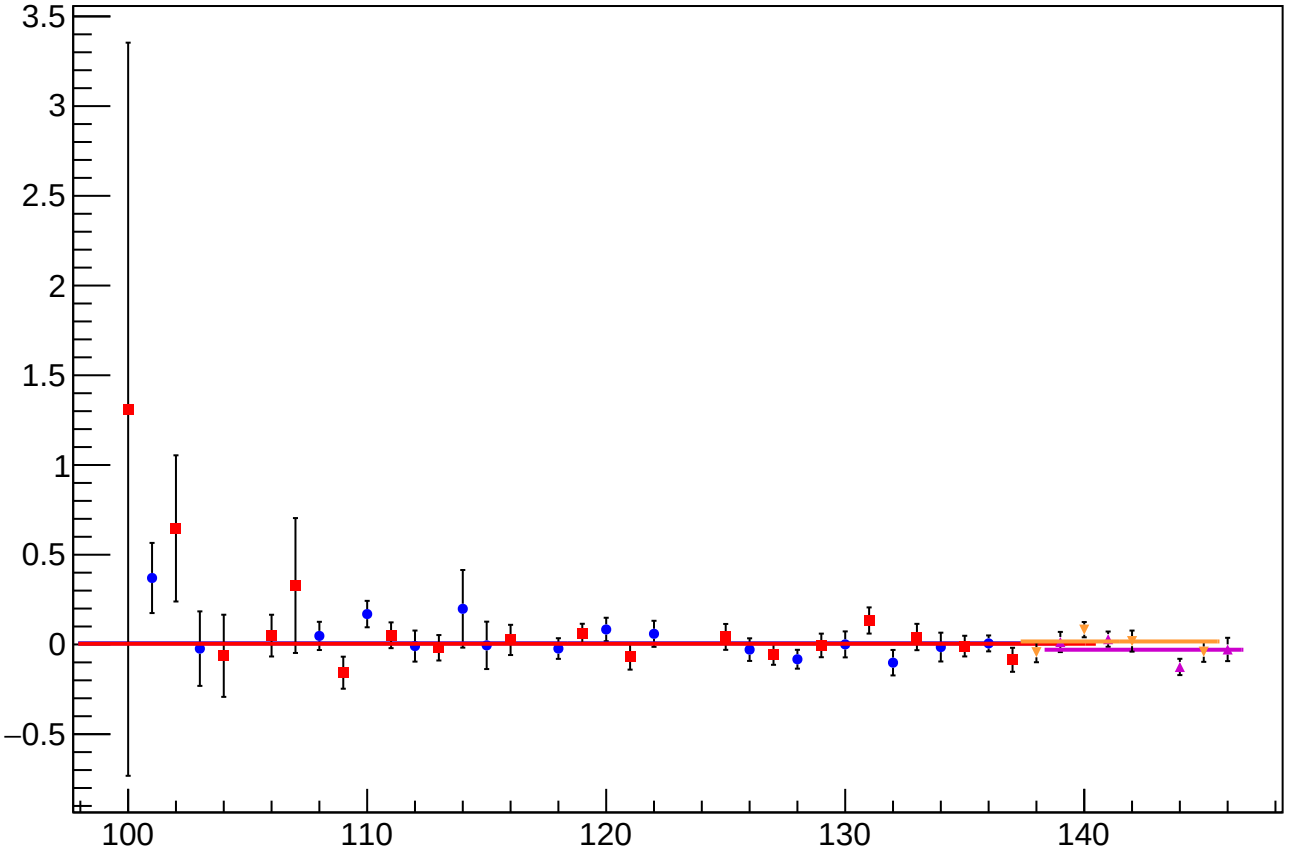
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:3751259.1/19

Out: 0.000+/-0.000 χ^2/NDF:4404178.6/21

All: 0.000+/-0.000 χ^2/NDF: 8166644.9/41

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: 0.017+/-0.026 χ^2/NDF:4.5/3

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.029+/-0.025 χ^2/NDF:7.0/3

Left: -0.007+/-0.018 χ^2/NDF: 13.1/7

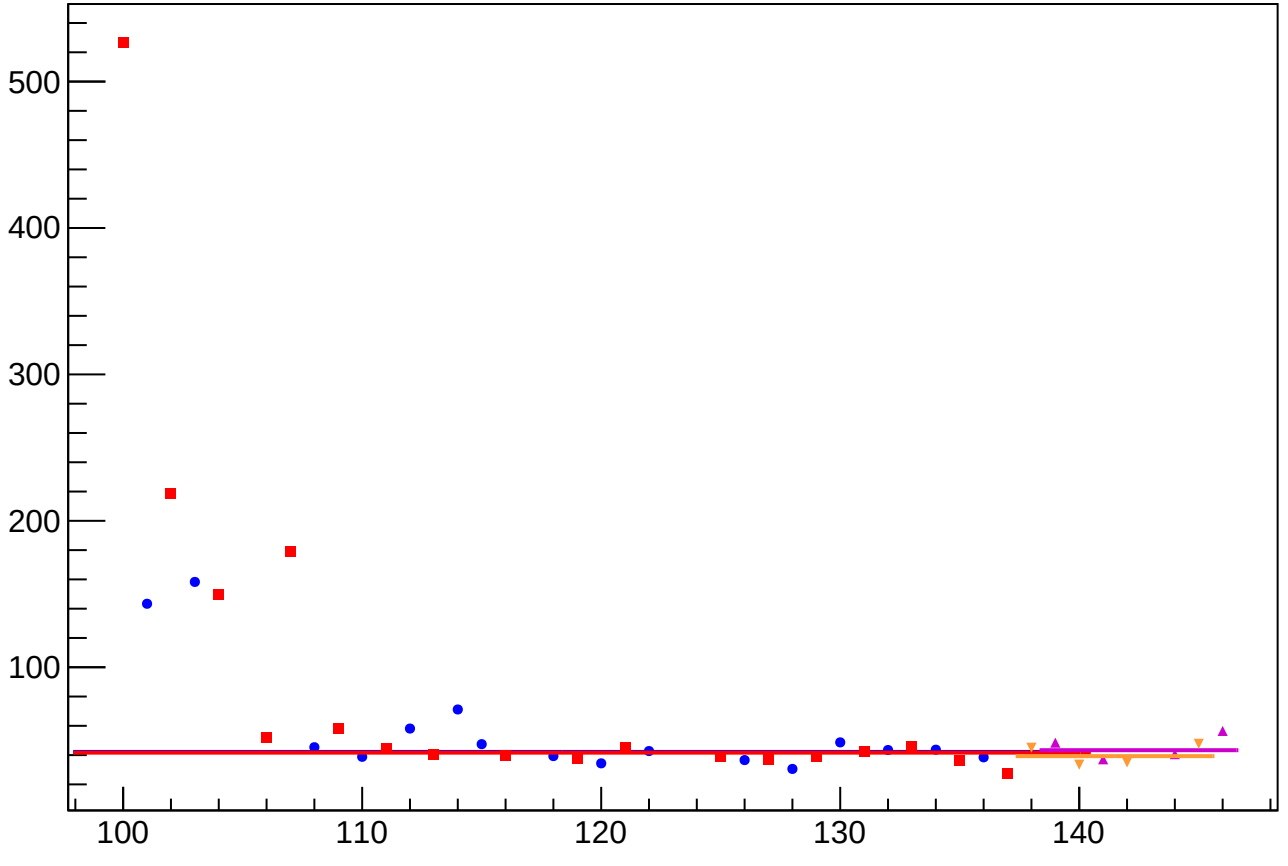
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.015 χ^2/NDF:25.5/19

Out: 0.008+/-0.015 χ^2/NDF:21.0/21

All: 0.001+/-0.011 χ^2/NDF: 46.9/41

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: 39.288+/-0.018 χ^2/NDF:113351.5/3

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 43.351+/-0.018 χ^2/NDF:148827.1/3

Left: 41.398+/-0.013 χ^2/NDF: 287423.8/7

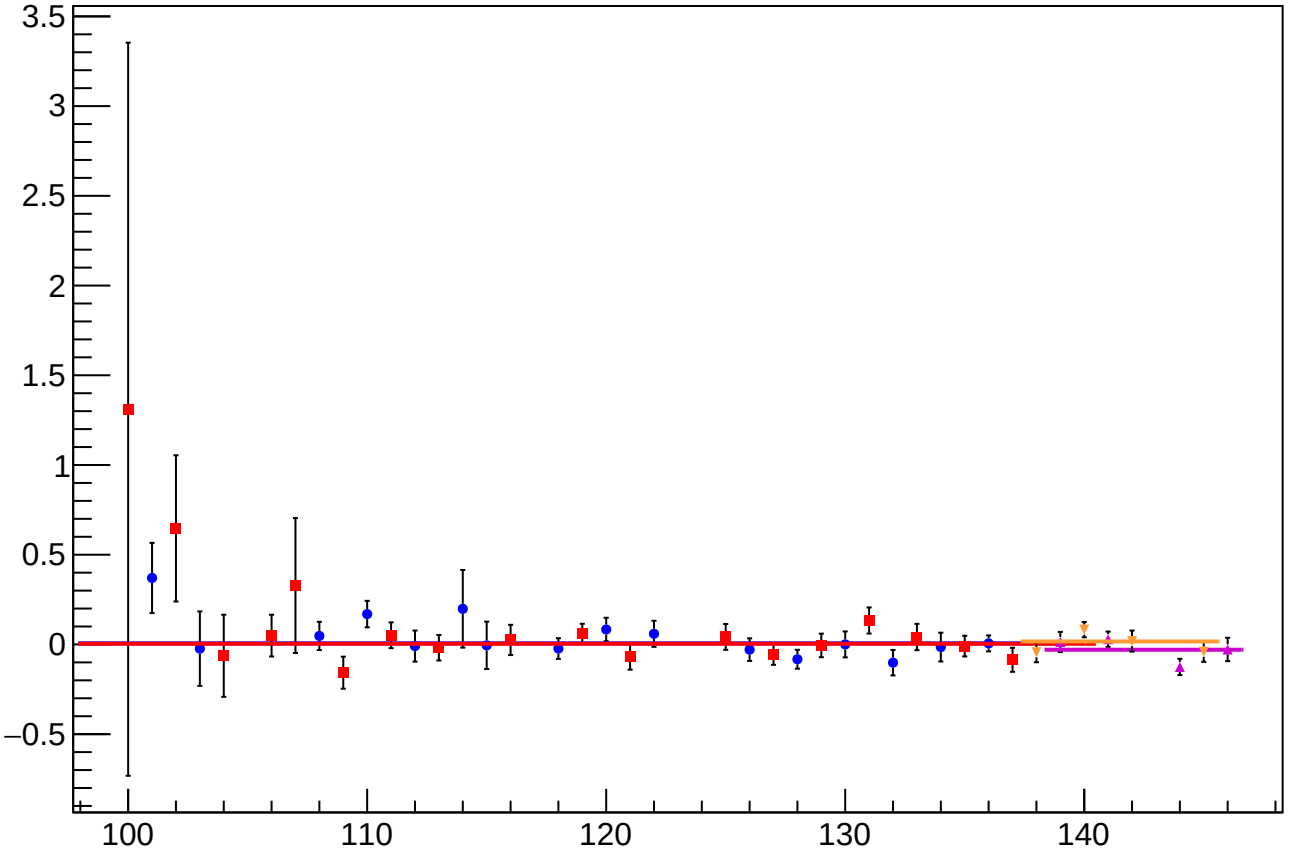
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.576+/-0.010 χ^2/NDF:1606126.6/19

Out: 40.881+/-0.011 χ^2/NDF:1565835.4/21

All: 41.750+/-0.007 χ^2/NDF: 3184822.6/41

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: 0.017+/-0.026 χ^2/NDF:4.5/3

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.029+/-0.025 χ^2/NDF:7.0/3

Left: -0.007+/-0.018 χ^2/NDF: 13.1/7

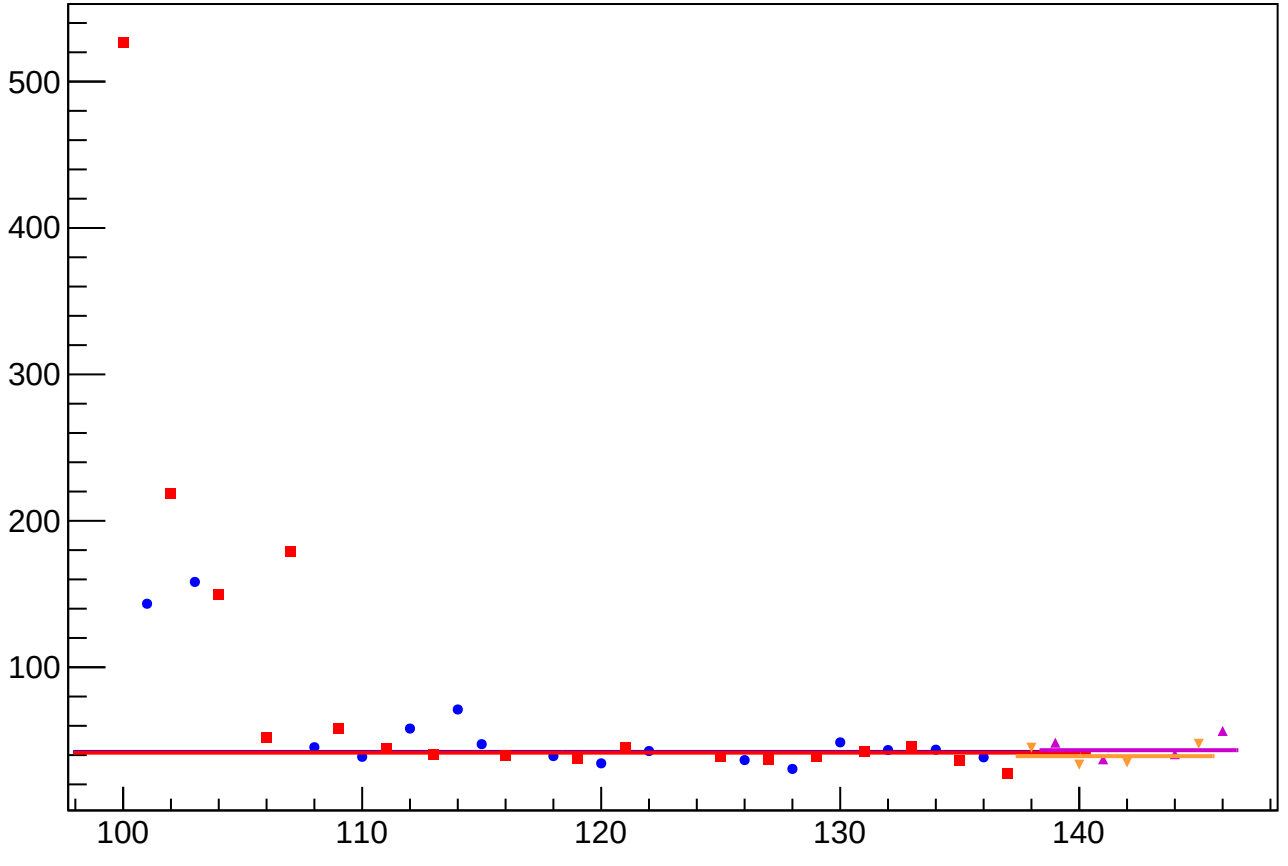
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.015 χ^2/NDF:25.5/19

Out: 0.008+/-0.015 χ^2/NDF:21.0/21

All: 0.001+/-0.011 χ^2/NDF: 46.9/41

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: 39.288+/-0.018 χ^2/NDF:113351.5/3

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 43.351+/-0.018 χ^2/NDF:148827.1/3

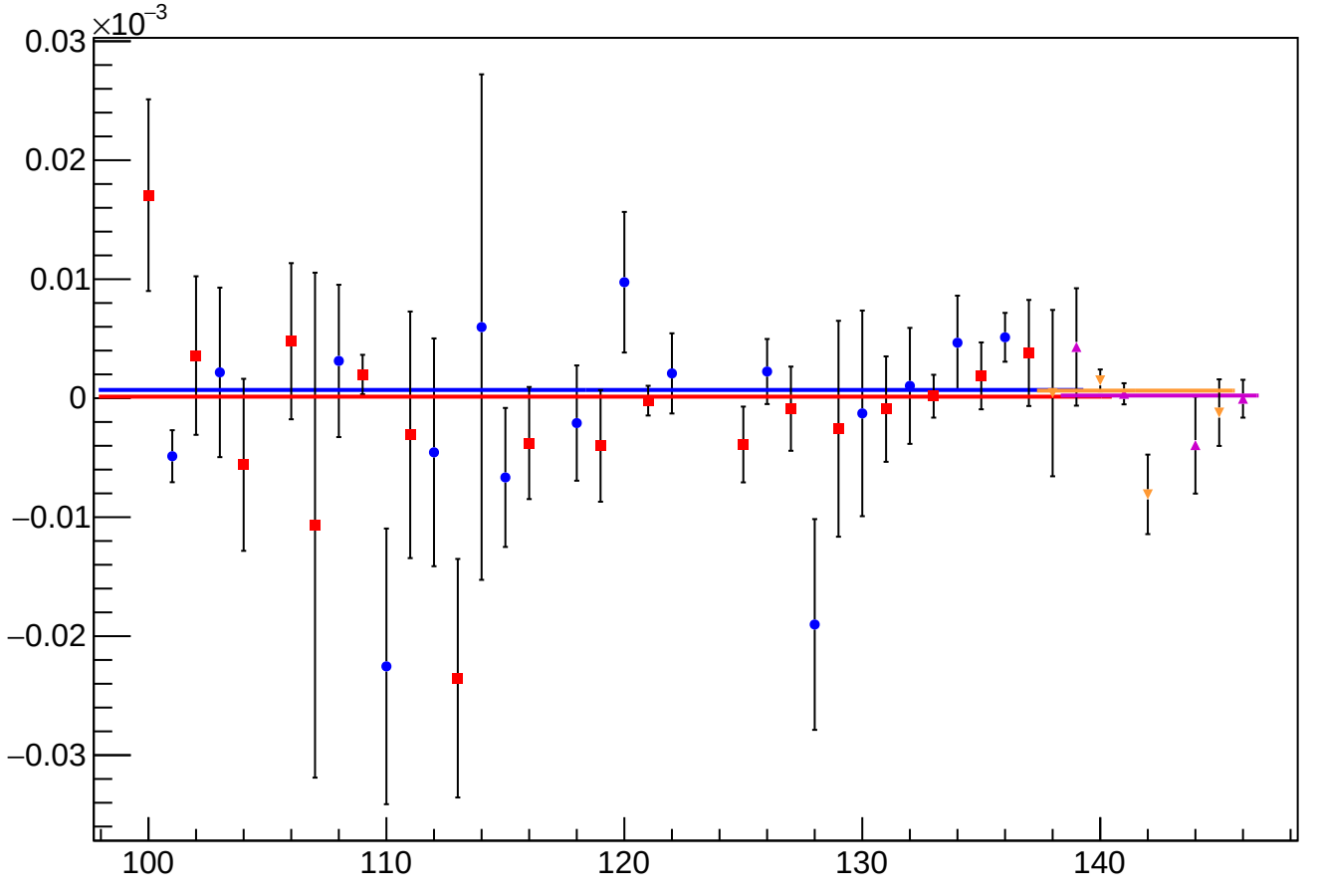
Left: 41.398+/-0.013 χ^2/NDF: 287423.8/7

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.576+/-0.010 χ^2/NDF:1606126.6/19

Out: 40.881+/-0.011 χ^2/NDF:1565835.4/21

All: 41.750+/-0.007 χ^2/NDF: 3184822.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

Left: 0.000+/-0.000 χ^2/NDF: 10.0/7

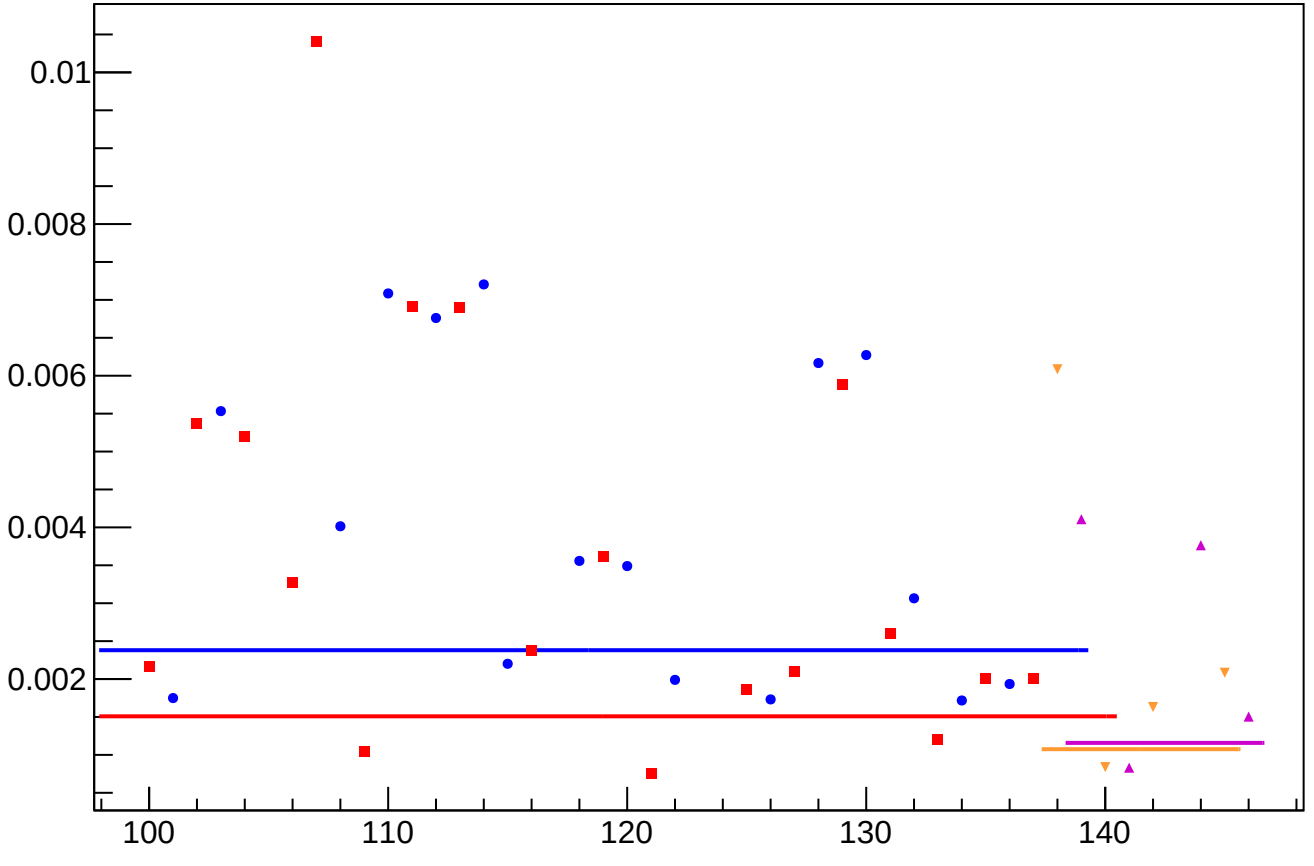
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:28.4/19

Out: 0.000+/-0.000 χ^2/NDF:25.8/21

All: 0.000+/-0.000 χ^2/NDF: 54.2/41

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:1474896.0/3

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:1898160.9/3

Left: 0.001+/-0.000 χ^2/NDF: 3383974.3/7

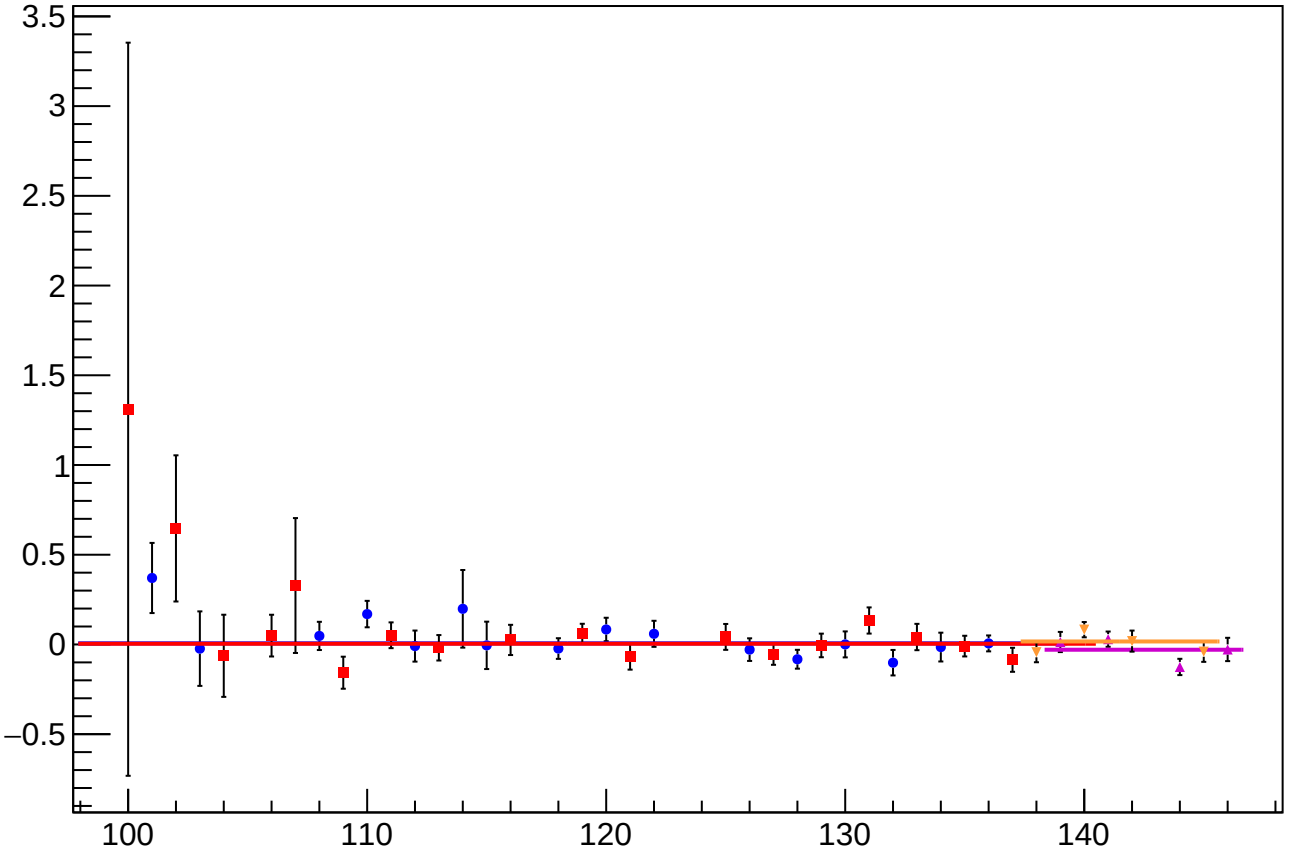
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:6595720.6/19

Out: 0.001+/-0.000 χ^2/NDF:6784133.8/21

All: 0.001+/-0.000 χ^2/NDF: 13593519.3/41

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: 0.017+/-0.026 χ^2/NDF:4.5/3

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.029+/-0.025 χ^2/NDF:7.0/3

Left: -0.007+/-0.018 χ^2/NDF: 13.1/7

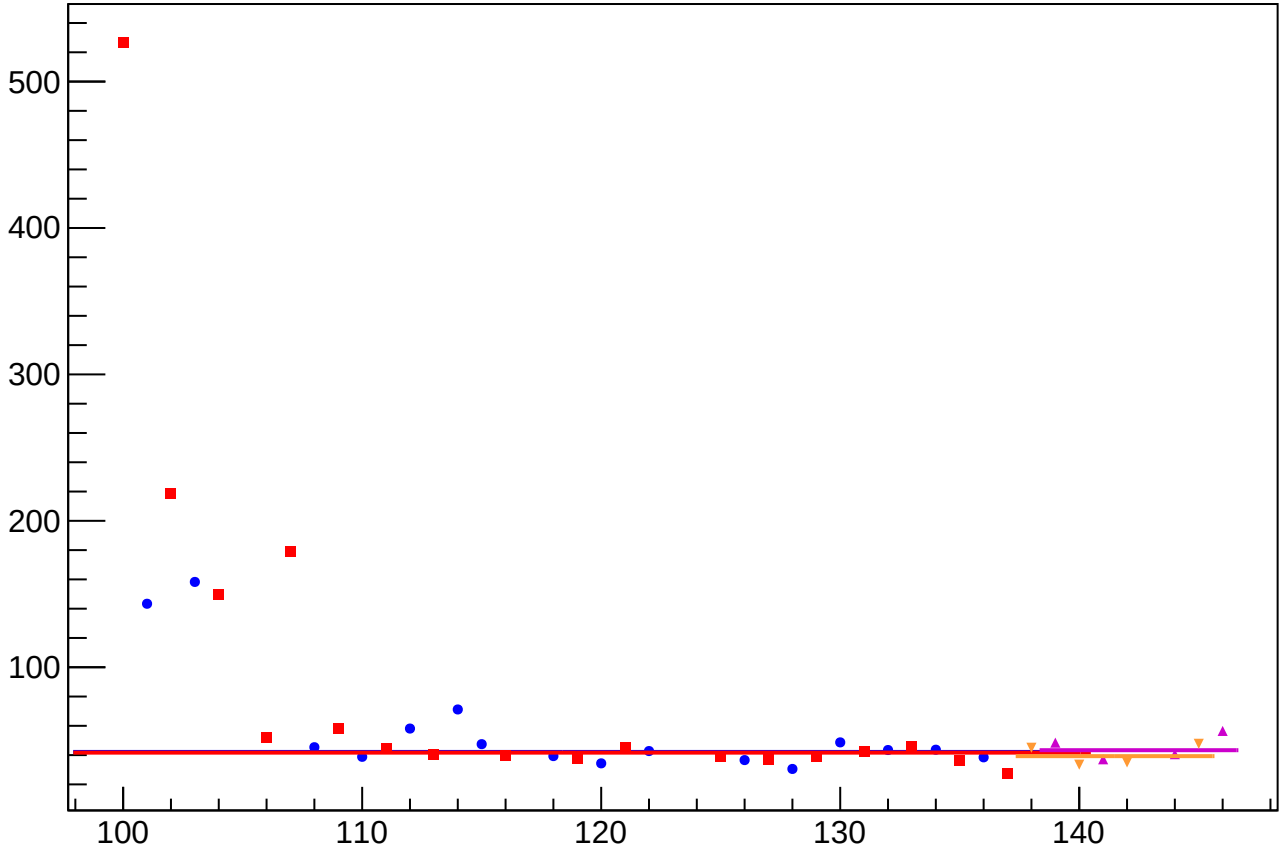
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.015 χ^2/NDF:25.5/19

Out: 0.008+/-0.015 χ^2/NDF:21.0/21

All: 0.001+/-0.011 χ^2/NDF: 46.9/41

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: 39.289+/-0.018 χ^2/NDF:113326.7/3

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 43.351+/-0.018 χ^2/NDF:148831.3/3

Left: 41.398+/-0.013 χ^2/NDF: 287403.4/7

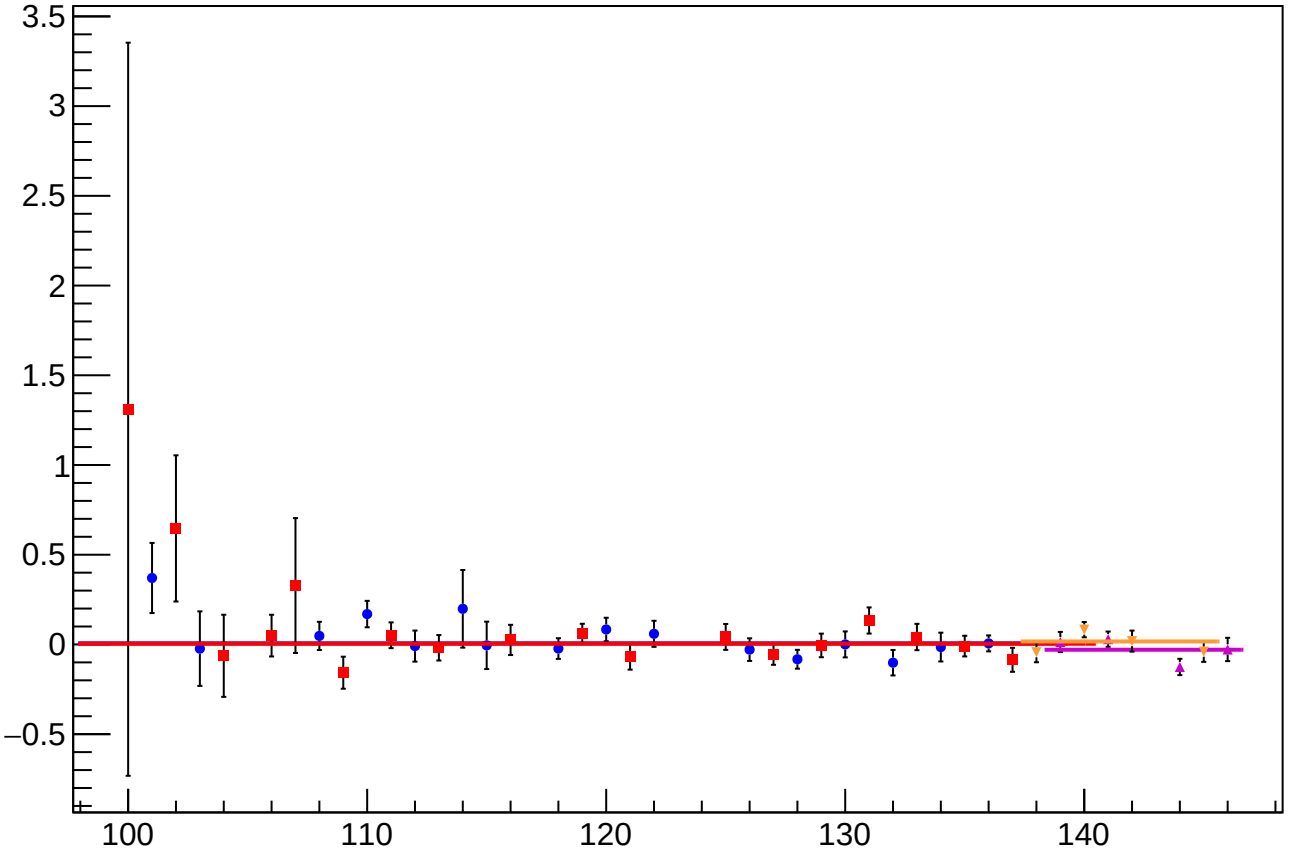
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 42.575+/-0.010 χ^2/NDF:1606358.9/19

Out: 40.882+/-0.011 χ^2/NDF:1565792.3/21

All: 41.749+/-0.007 χ^2/NDF: 3184983.0/41

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: 0.017+/-0.026 χ^2/NDF:4.5/3

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.029+/-0.025 χ^2/NDF:7.0/3

Left: -0.007+/-0.018 χ^2/NDF: 13.1/7

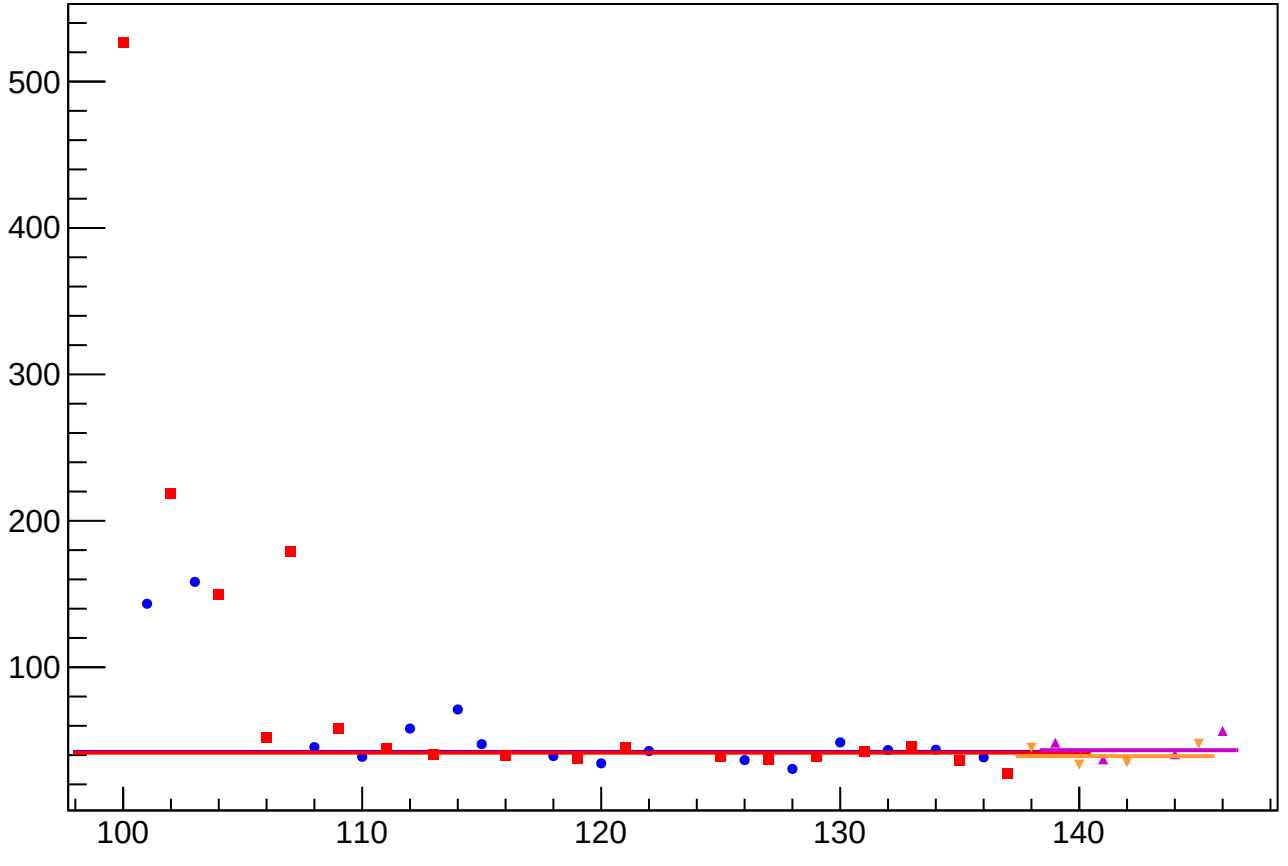
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.015 χ^2/NDF:25.5/19

Out: 0.008+/-0.015 χ^2/NDF:21.0/21

All: 0.001+/-0.011 χ^2/NDF: 46.9/41

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: 39.289+/-0.018 χ^2/NDF:113326.7/3

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 43.351+/-0.018 χ^2/NDF:148831.3/3

Left: 41.398+/-0.013 χ^2/NDF: 287403.4/7

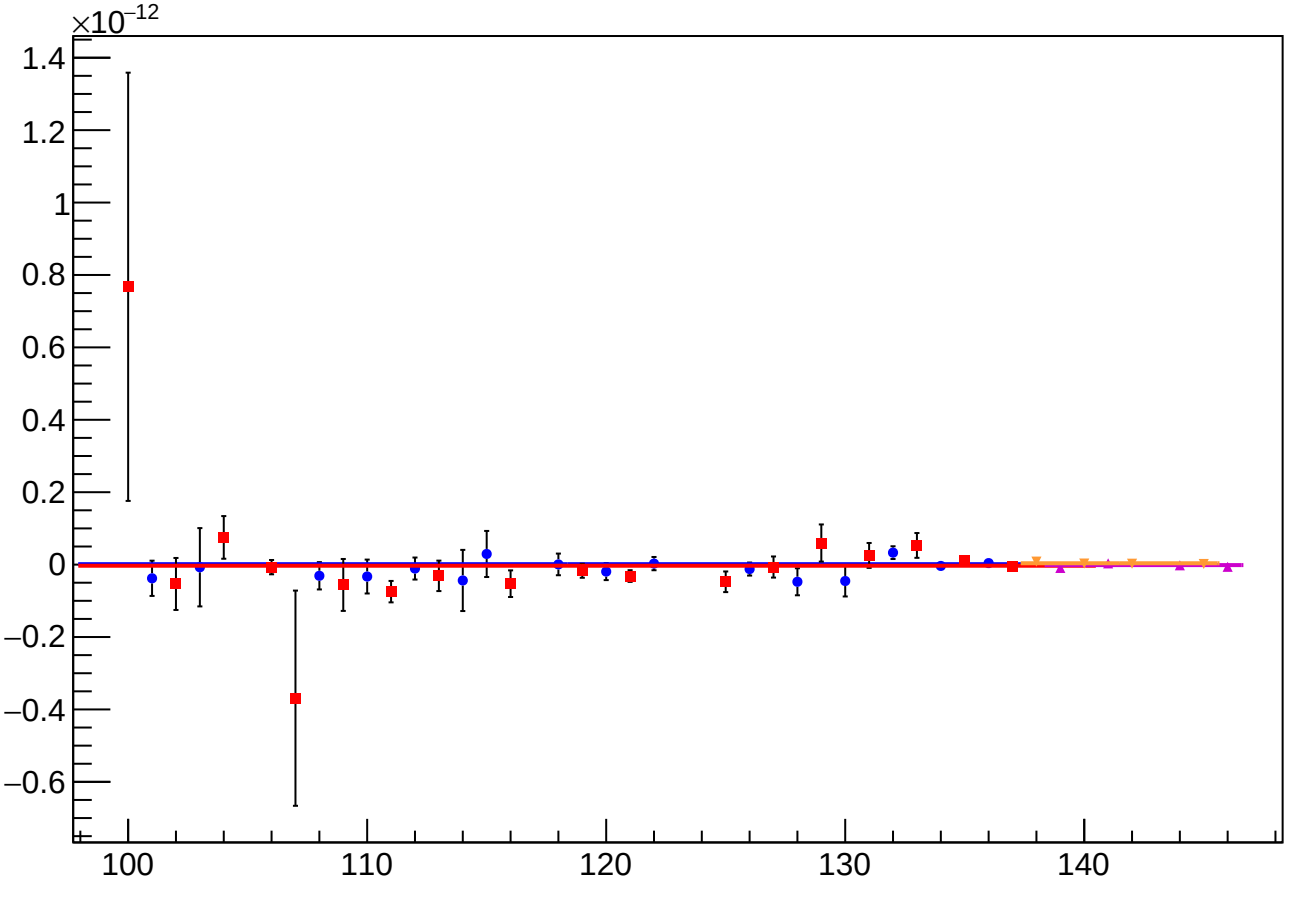
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 42.575+/-0.010 χ^2/NDF:1606358.9/19

Out: 40.882+/-0.011 χ^2/NDF:1565792.3/21

All: 41.749+/-0.007 χ^2/NDF: 3184983.0/41

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:1.2/3

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:4.2/3

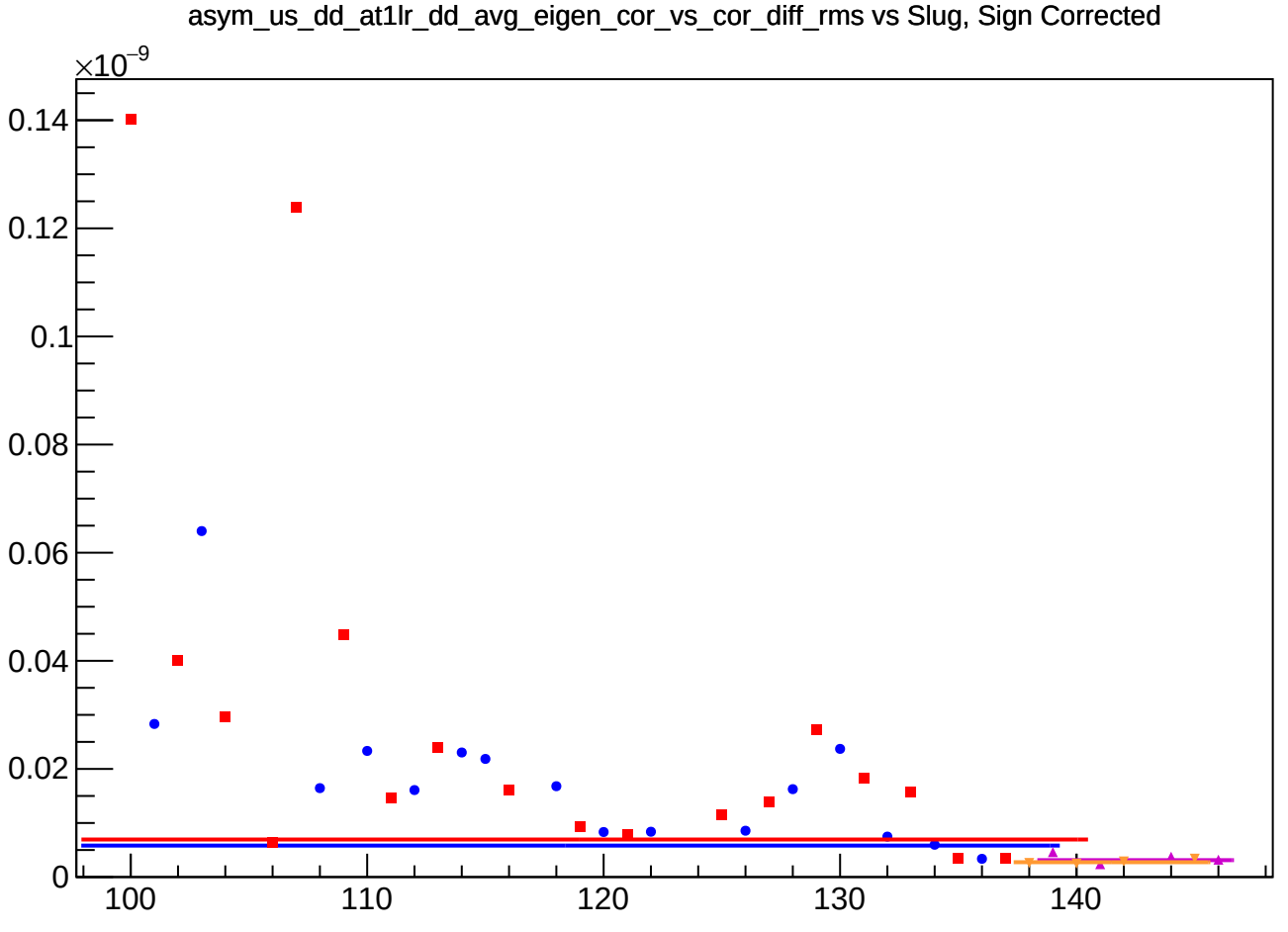
Left: 0.000+/-0.000 χ^2/NDF: 8.0/7

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:15.1/19

Out: 0.000+/-0.000 χ^2/NDF:31.7/21

All: 0.000+/-0.000 χ^2/NDF: 48.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:50823.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:219475.8/3

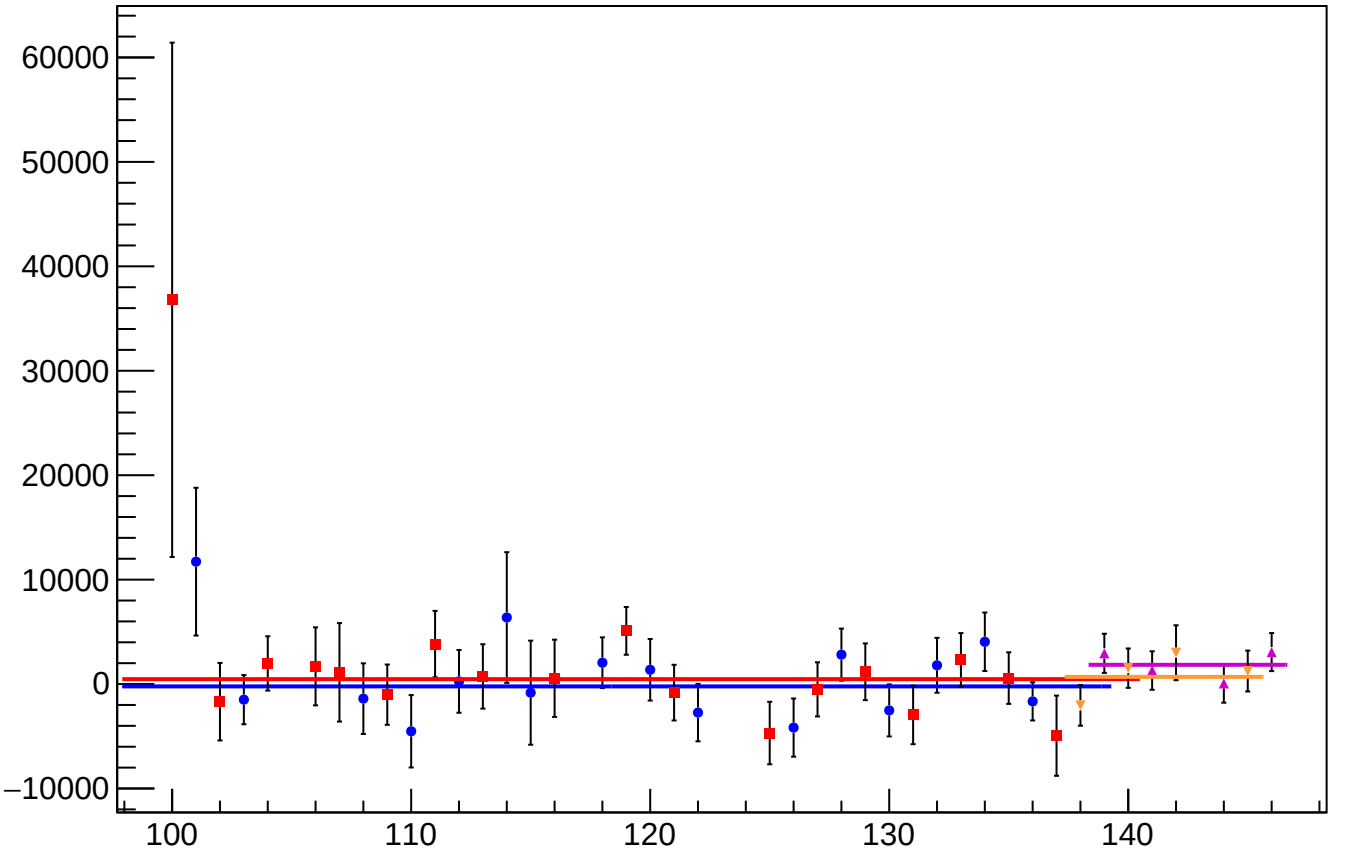
Left: 0.000+/-0.000 χ^2/NDF: 299101.9/7

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:4225037.7/19

Out: 0.000+/-0.000 χ^2/NDF:5134698.8/21

All: 0.000+/-0.000 χ^2/NDF: 9385651.1/41



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 688.979+/-1025.587 χ^2/NDF:3.0/3

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 1844.081+/-923.399 χ^2/NDF:1.8/3

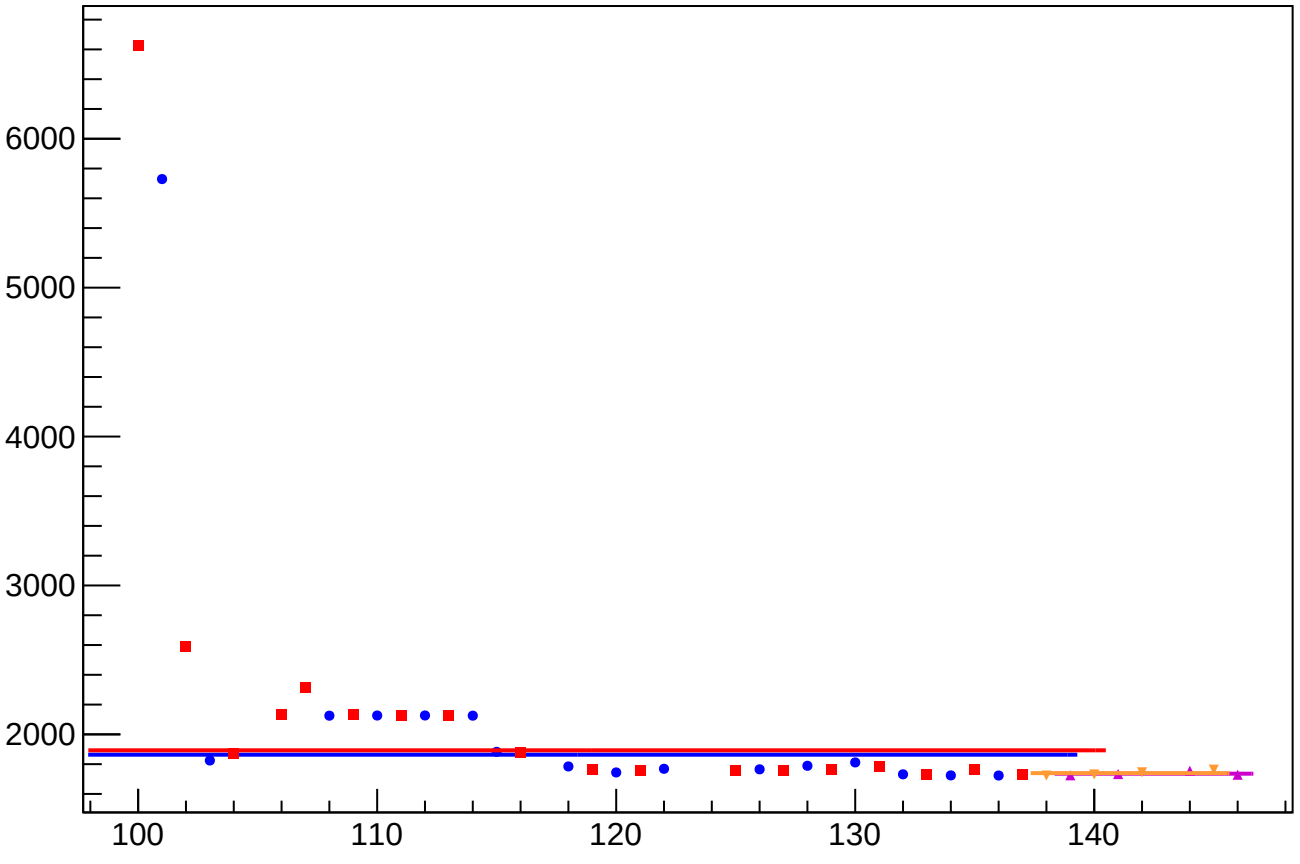
Left: 1326.928+/-686.234 χ^2/NDF: 5.5/7

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 543.873+/-562.430 χ^2/NDF:20.8/19

Out: 542.773+/-584.582 χ^2/NDF:18.9/21

All: 543.344+/-405.303 χ^2/NDF: 39.7/41



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1739.657+/-0.725 χ^2/NDF:482.6/3

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

Left: 1737.599+/-0.485 χ^2/NDF: 828.3/7

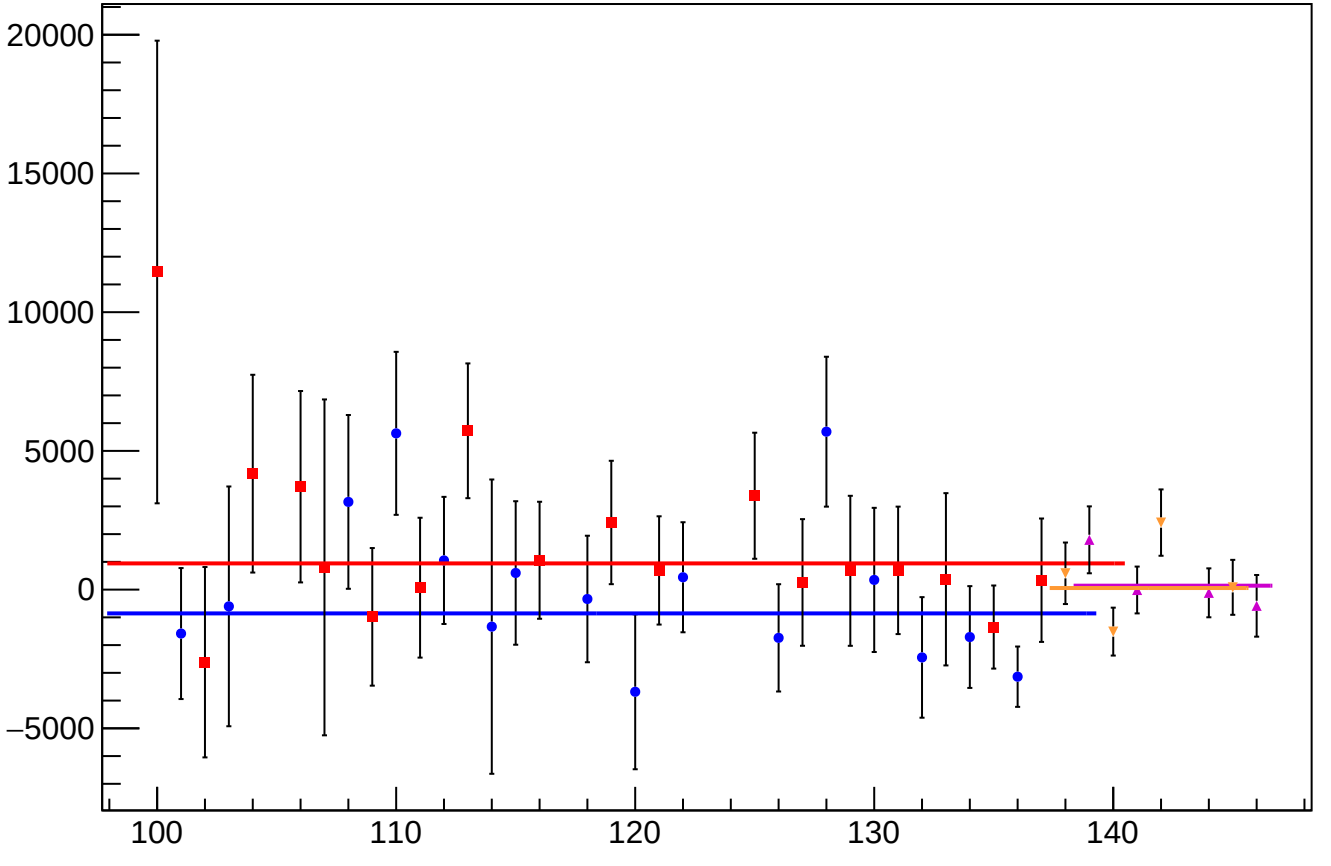
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1816.224+/-0.398 χ^2/NDF:699037.6/19

Out: 1843.089+/-0.413 χ^2/NDF:282127.1/21

All: 1829.138+/-0.287 χ^2/NDF: 983358.1/41

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: 57.118+/-508.067 χ^2/NDF:7.4/3

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 141.633+/-488.683 χ^2/NDF:2.4/3

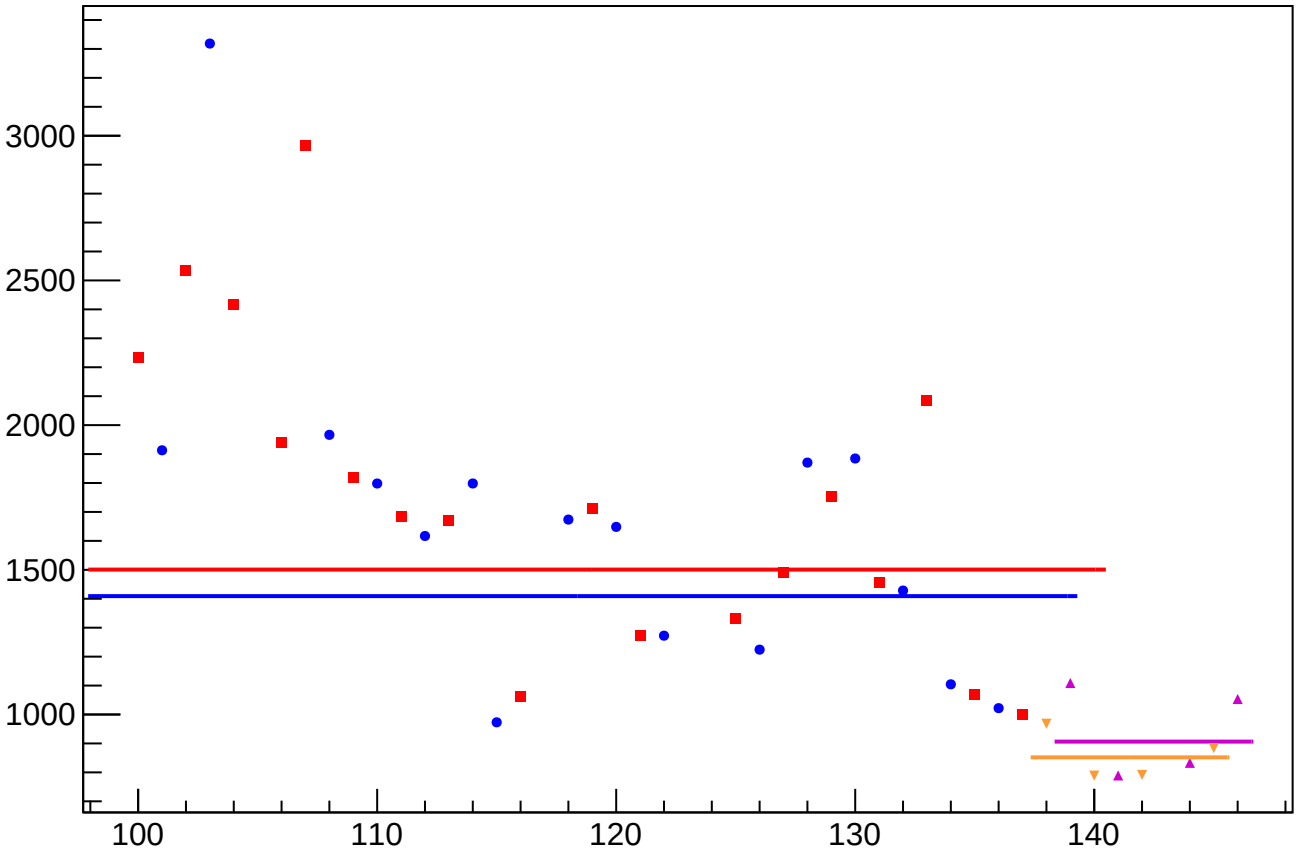
Left: 101.018+/-352.204 χ^2/NDF: 9.9/7

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -299.252+/-365.253 χ^2/NDF:24.9/19

Out: 439.523+/-383.302 χ^2/NDF:21.7/21

All: 52.332+/-264.424 χ^2/NDF: 48.5/41



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 851.964+/-0.359 χ^2/NDF:39937.6/3

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 906.364+/-0.346 χ^2/NDF:143669.2/3

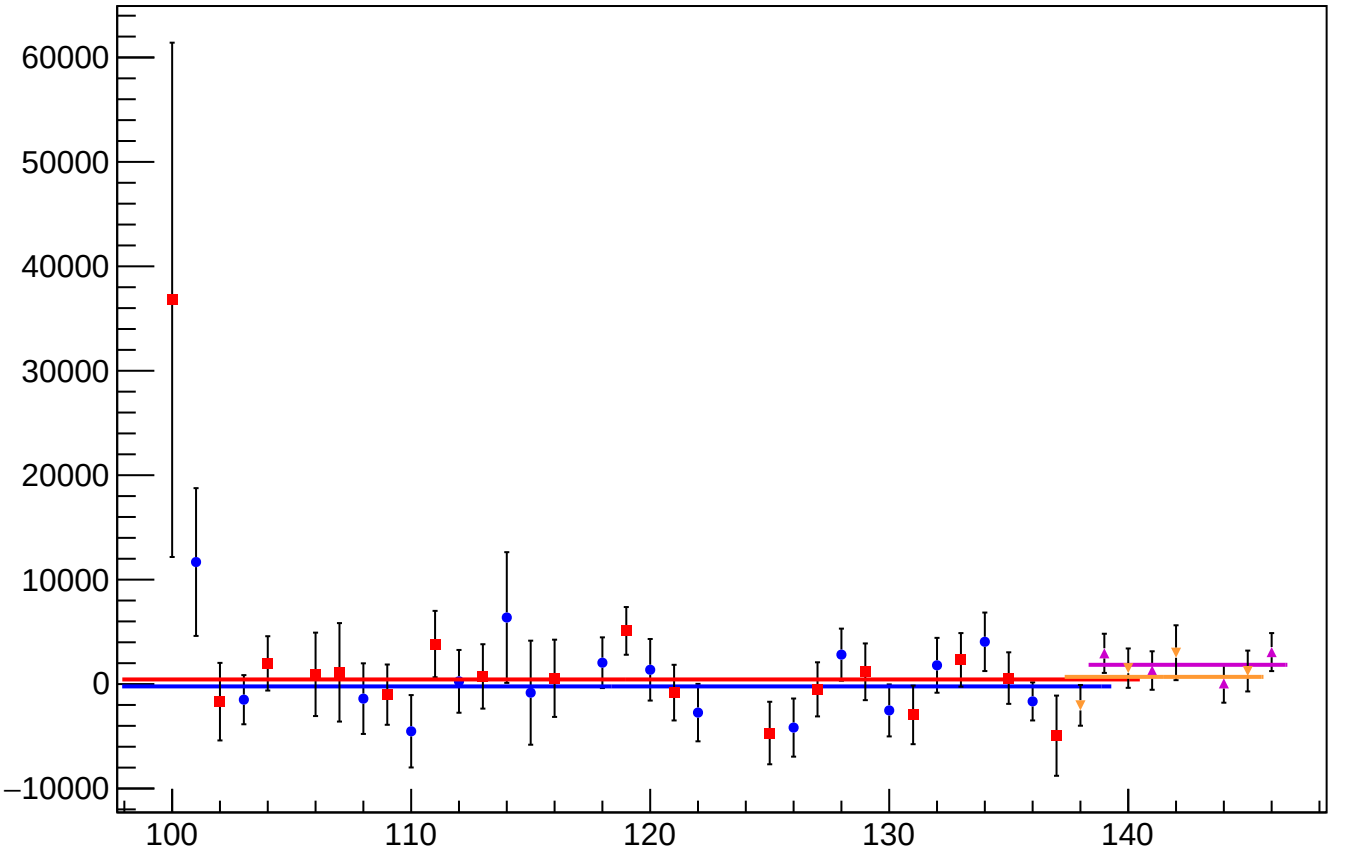
Left: 880.222+/-0.249 χ^2/NDF: 195517.1/7

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1128.249+/-0.258 χ^2/NDF:2245575.7/19

Out: 1131.503+/-0.271 χ^2/NDF:2475994.0/21

All: 1129.797+/-0.187 χ^2/NDF: 4721645.2/41



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 689.103+/-1025.587 χ^2/NDF:3.0/3

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 1844.060+/-923.399 χ^2/NDF:1.8/3

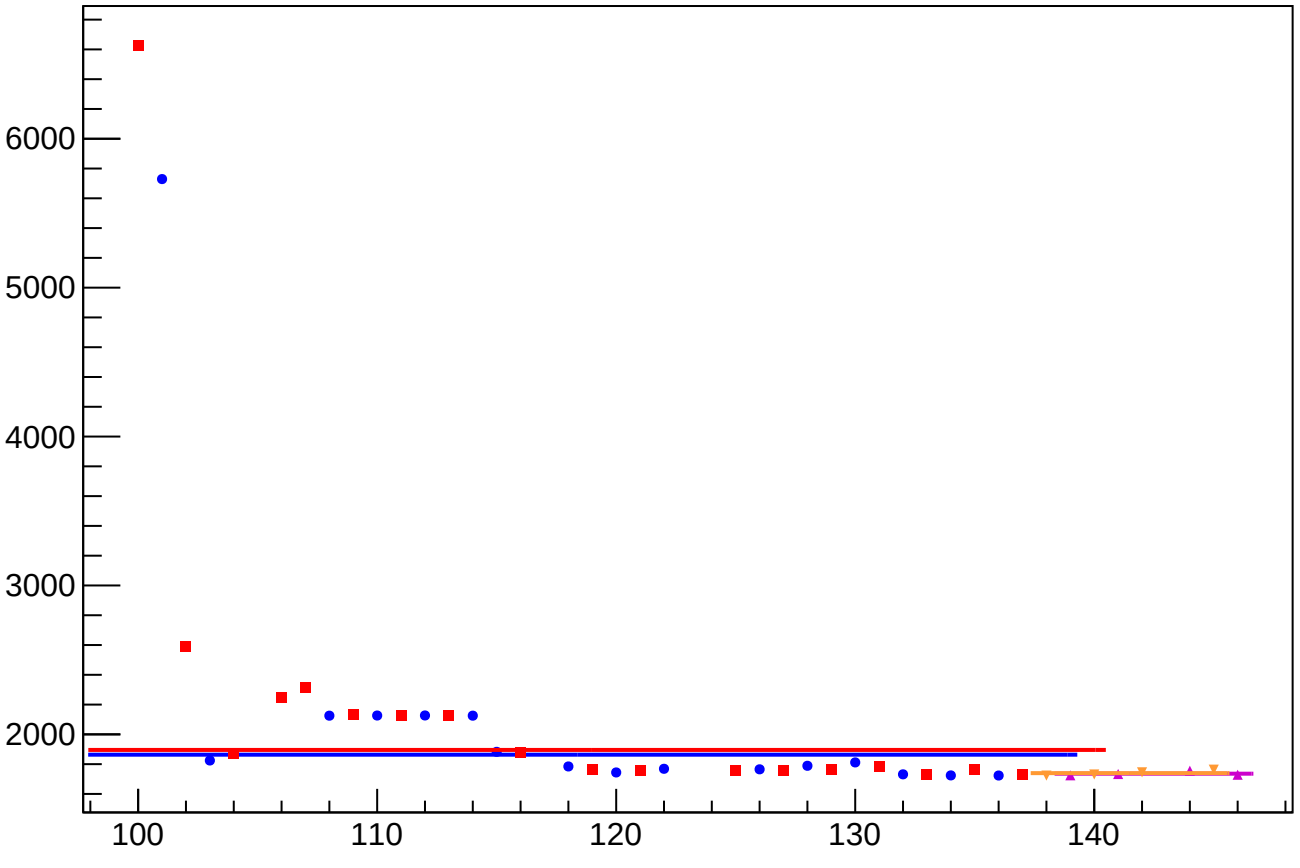
Left: 1326.971+/-686.234 χ^2/NDF: 5.5/7

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 543.378+/-562.430 χ^2/NDF:20.8/19

Out: 523.219+/-585.481 χ^2/NDF:18.8/21

All: 533.703+/-405.602 χ^2/NDF: 39.6/41



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1739.657+/-0.725 χ^2/NDF:482.6/3

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

Left: 1737.599+/-0.485 χ^2/NDF: 828.3/7

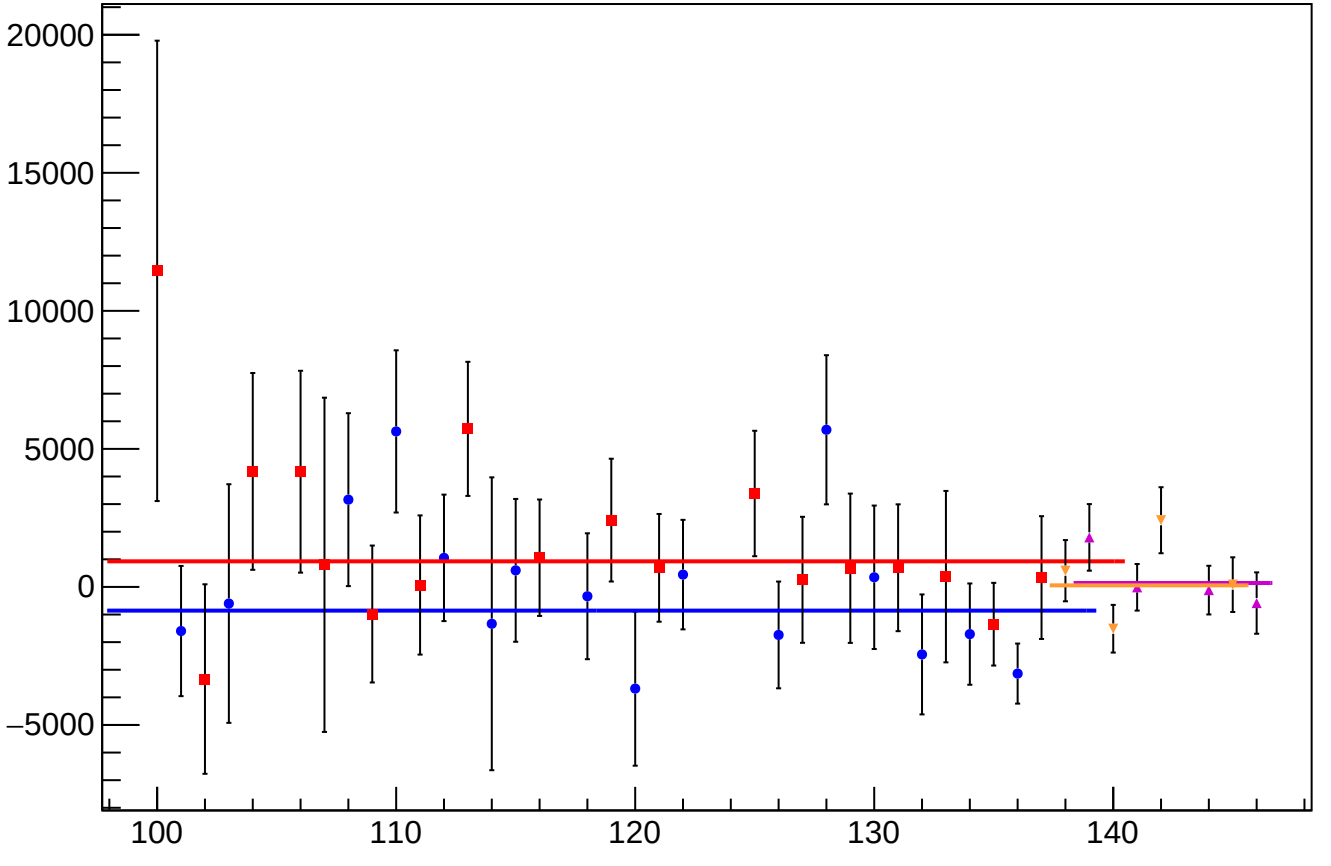
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1816.224+/-0.398 χ^2/NDF:699037.5/19

Out: 1844.706+/-0.414 χ^2/NDF:290781.4/21

All: 1829.893+/-0.287 χ^2/NDF: 992280.2/41

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: 57.092+/-508.070 χ^2/NDF:7.4/3

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 141.719+/-488.678 χ^2/NDF:2.4/3

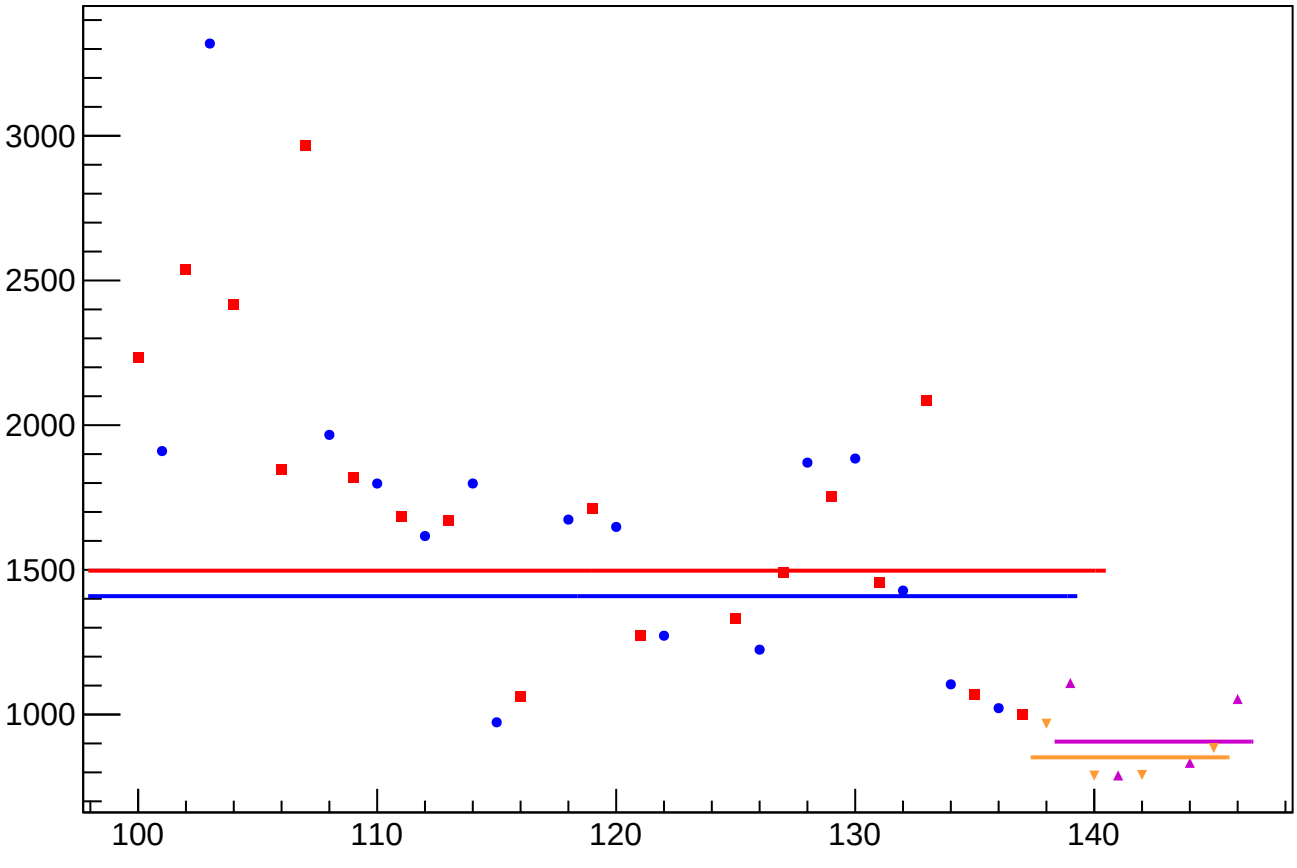
Left: 101.051+/-352.204 χ^2/NDF: 9.9/7

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -299.600+/-365.238 χ^2/NDF:24.9/19

Out: 431.288+/-383.563 χ^2/NDF:22.2/21

All: 47.968+/-264.504 χ^2/NDF: 49.0/41



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 851.971+/-0.359 χ^2/NDF:39921.6/3

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 906.355+/-0.346 χ^2/NDF:143676.9/3

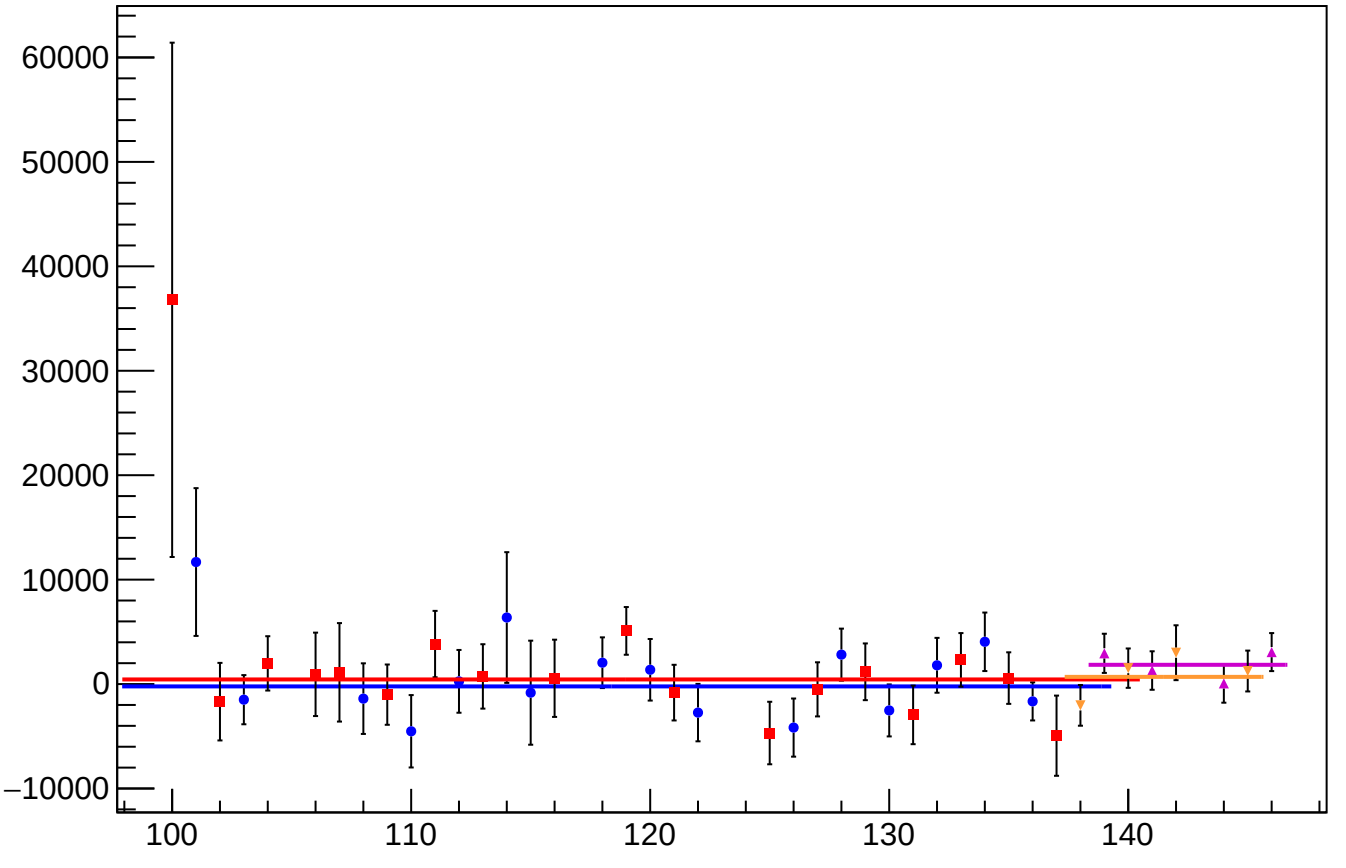
Left: 880.221+/-0.249 χ^2/NDF: 195502.1/7

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1128.227+/-0.258 χ^2/NDF:2244776.8/19

Out: 1129.437+/-0.271 χ^2/NDF:2445037.4/21

All: 1128.802+/-0.187 χ^2/NDF: 4689824.6/41



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 689.103+/-1025.587 χ^2/NDF:3.0/3

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 1844.060+/-923.399 χ^2/NDF:1.8/3

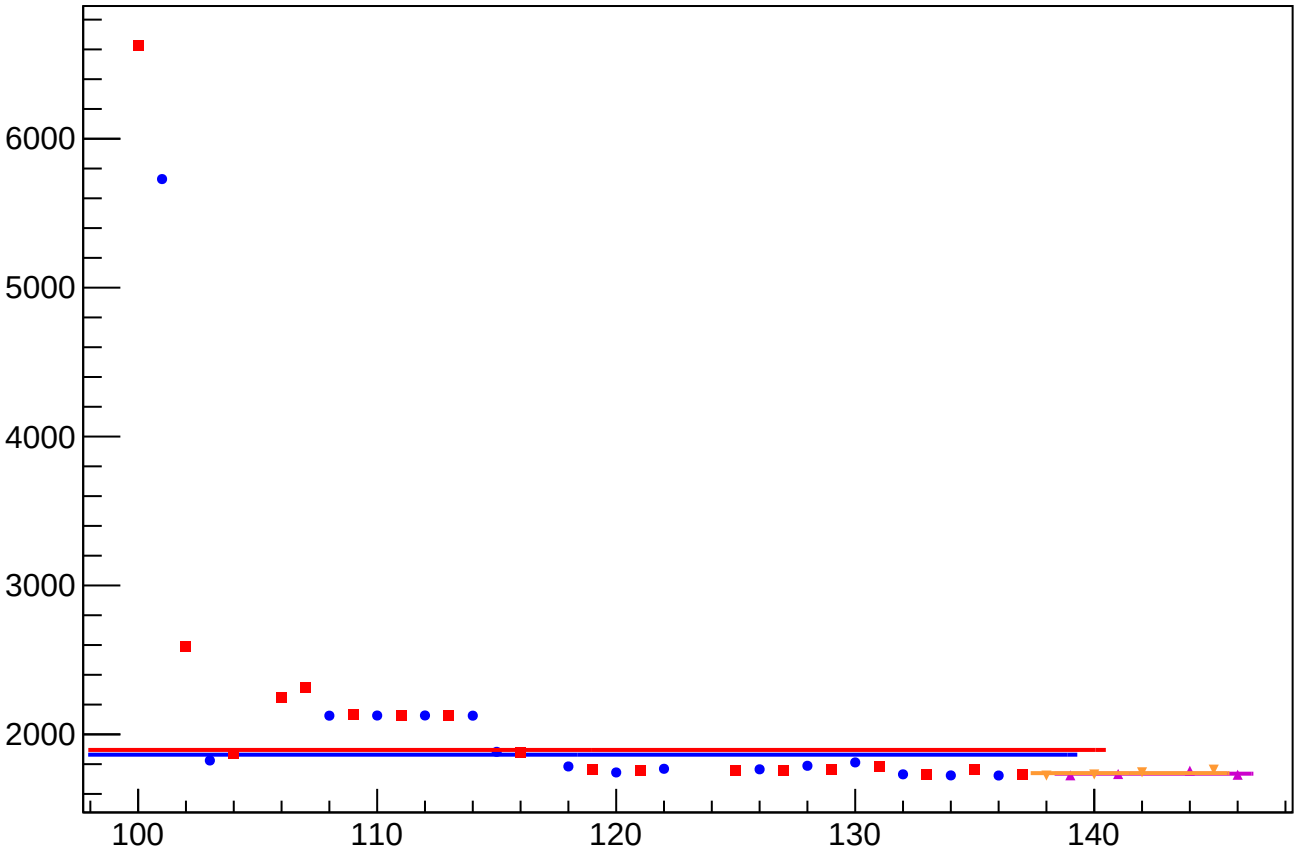
Left: 1326.971+/-686.234 χ^2/NDF: 5.5/7

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 543.378+/-562.430 χ^2/NDF:20.8/19

Out: 523.219+/-585.481 χ^2/NDF:18.8/21

All: 533.703+/-405.602 χ^2/NDF: 39.6/41



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1739.657+/-0.725 χ^2/NDF:482.6/3

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

Left: 1737.599+/-0.485 χ^2/NDF: 828.3/7

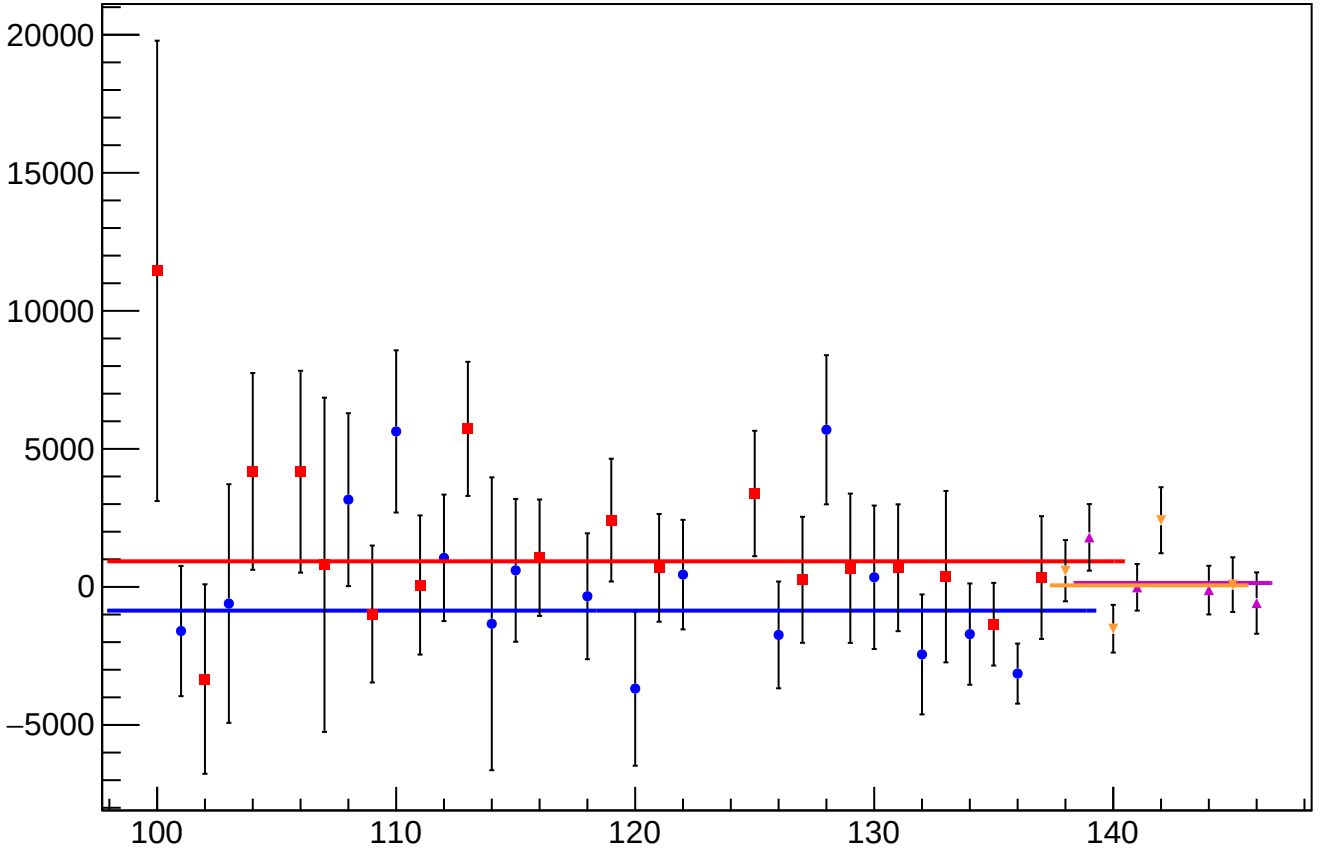
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1816.224+/-0.398 χ^2/NDF:699037.5/19

Out: 1844.706+/-0.414 χ^2/NDF:290781.4/21

All: 1829.893+/-0.287 χ^2/NDF: 992280.2/41

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: 57.092+/-508.070 χ^2/NDF:7.4/3

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 141.719+/-488.678 χ^2/NDF:2.4/3

Left: 101.051+/-352.204 χ^2/NDF: 9.9/7

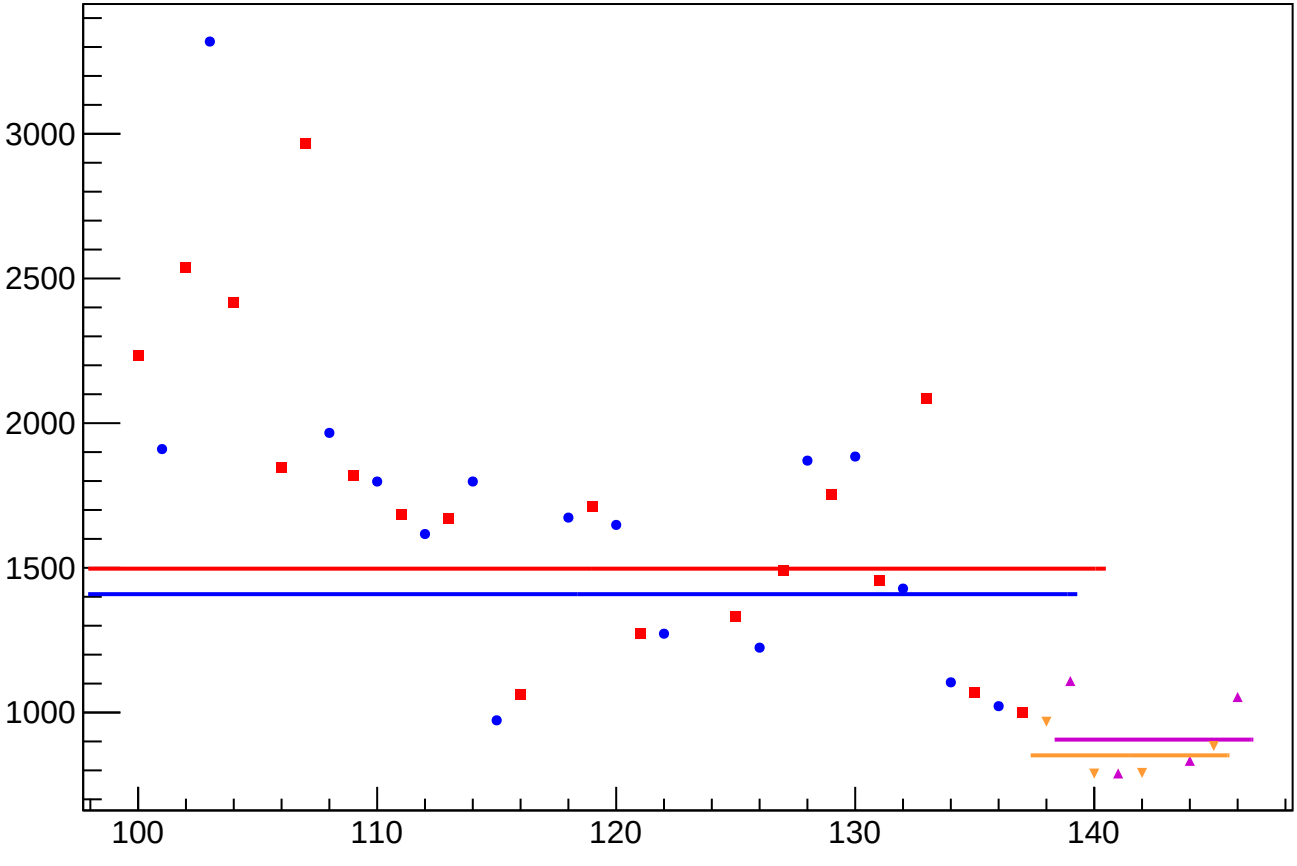
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -299.600+/-365.238 χ^2/NDF:24.9/19

Out: 431.288+/-383.563 χ^2/NDF:22.2/21

All: 47.968+/-264.504 χ^2/NDF: 49.0/41

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 851.971+/-0.359 χ^2/NDF:39921.6/3

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 906.355+/-0.346 χ^2/NDF:143676.9/3

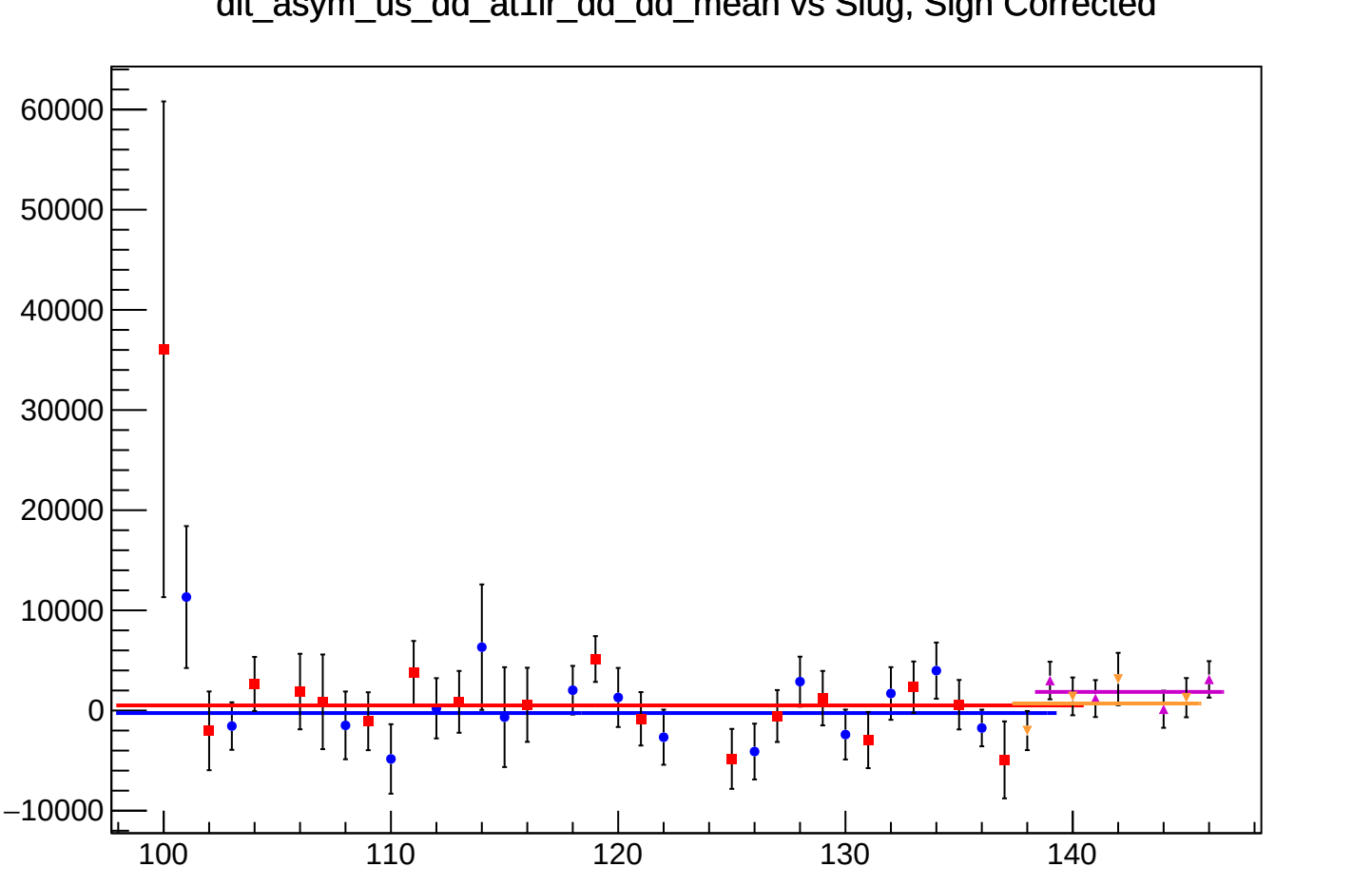
Left: 880.221+/-0.249 χ^2/NDF: 195502.1/7

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1128.227+/-0.258 χ^2/NDF:2244776.8/19

Out: 1129.437+/-0.271 χ^2/NDF:2445037.4/21

All: 1128.802+/-0.187 χ^2/NDF: 4689824.6/41



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 701.562+/-1025.526 χ^2/NDF:3.0/3

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 1857.713+/-923.850 χ^2/NDF:1.8/3

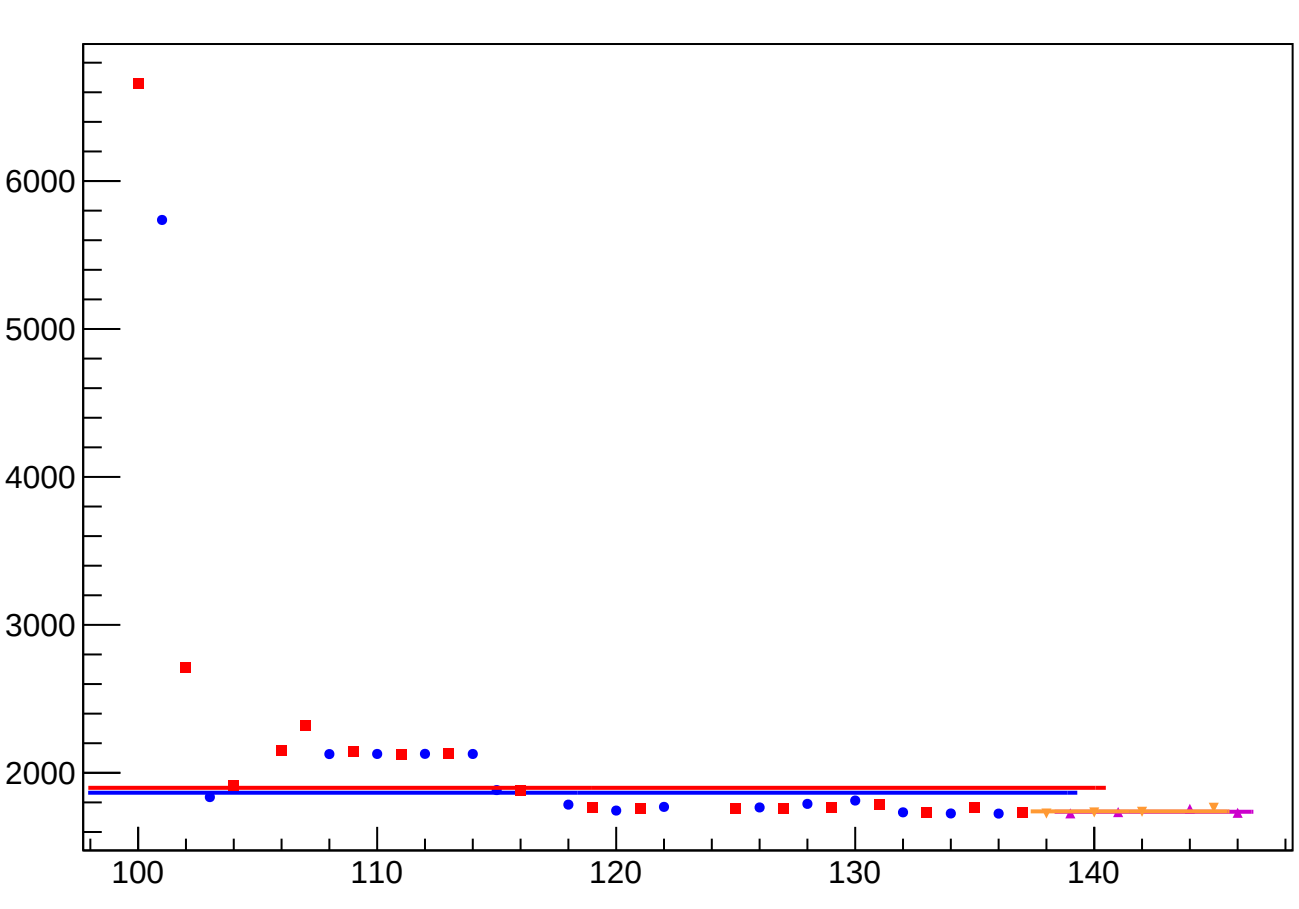
Left: 1339.776+/-686.401 χ^2/NDF: 5.6/7

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 531.319+/-562.942 χ^2/NDF:20.8/19

Out: 572.790+/-586.764 χ^2/NDF:19.5/21

All: 551.196+/-406.221 χ^2/NDF: 40.2/41



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1739.384+/-0.725 χ^2/NDF:456.1/3

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.781+/-0.653 χ^2/NDF:330.7/3

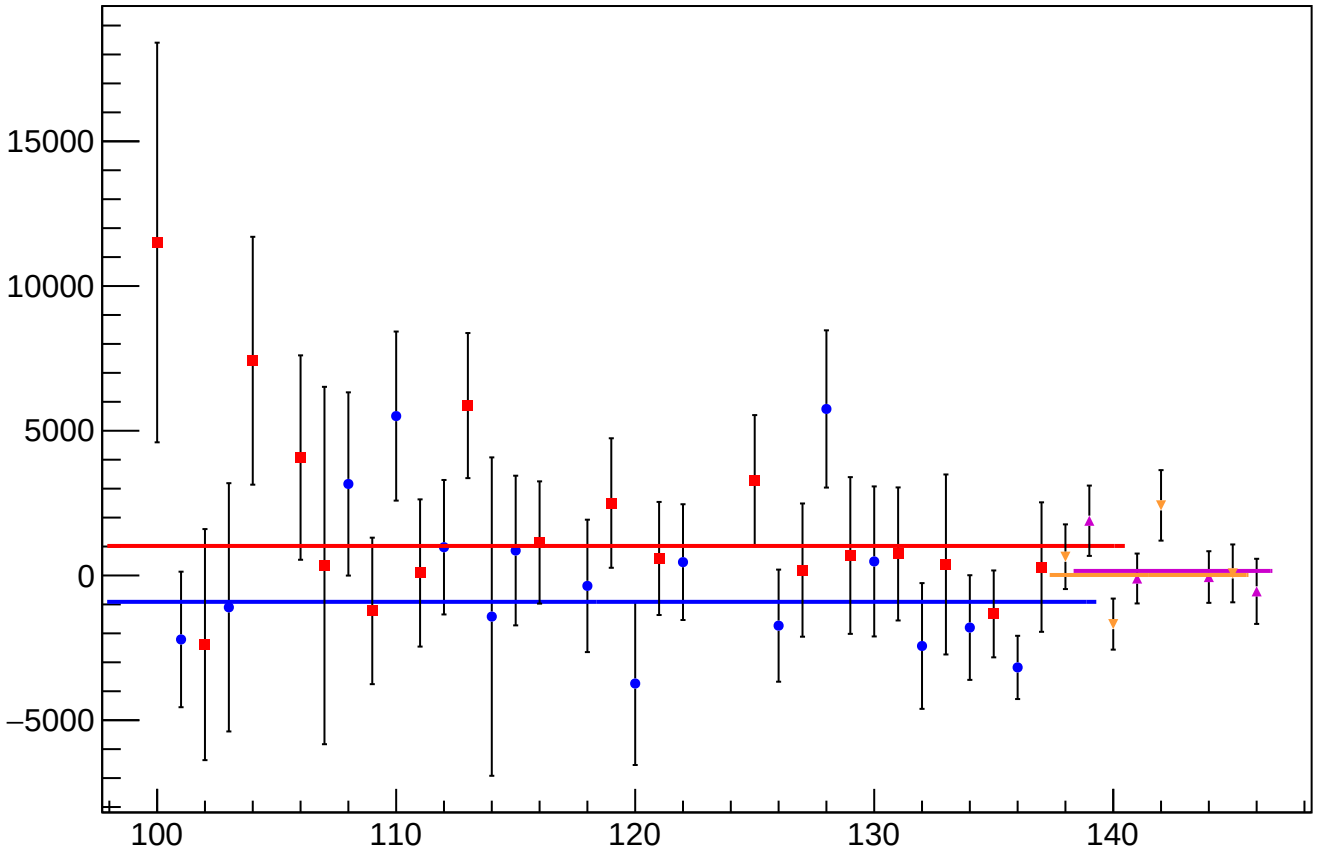
Left: 1737.947+/-0.485 χ^2/NDF: 793.9/7

Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1817.669+/-0.398 χ^2/NDF:699706.8/19

Out: 1846.480+/-0.415 χ^2/NDF:301993.1/21

All: 1831.478+/-0.287 χ^2/NDF: 1004210.8/41



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: 17.191+/-515.674 χ^2/NDF:7.9/3

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 157.071+/-495.590 χ^2/NDF:2.6/3

Left: 89.908+/-357.324 χ^2/NDF: 10.5/7

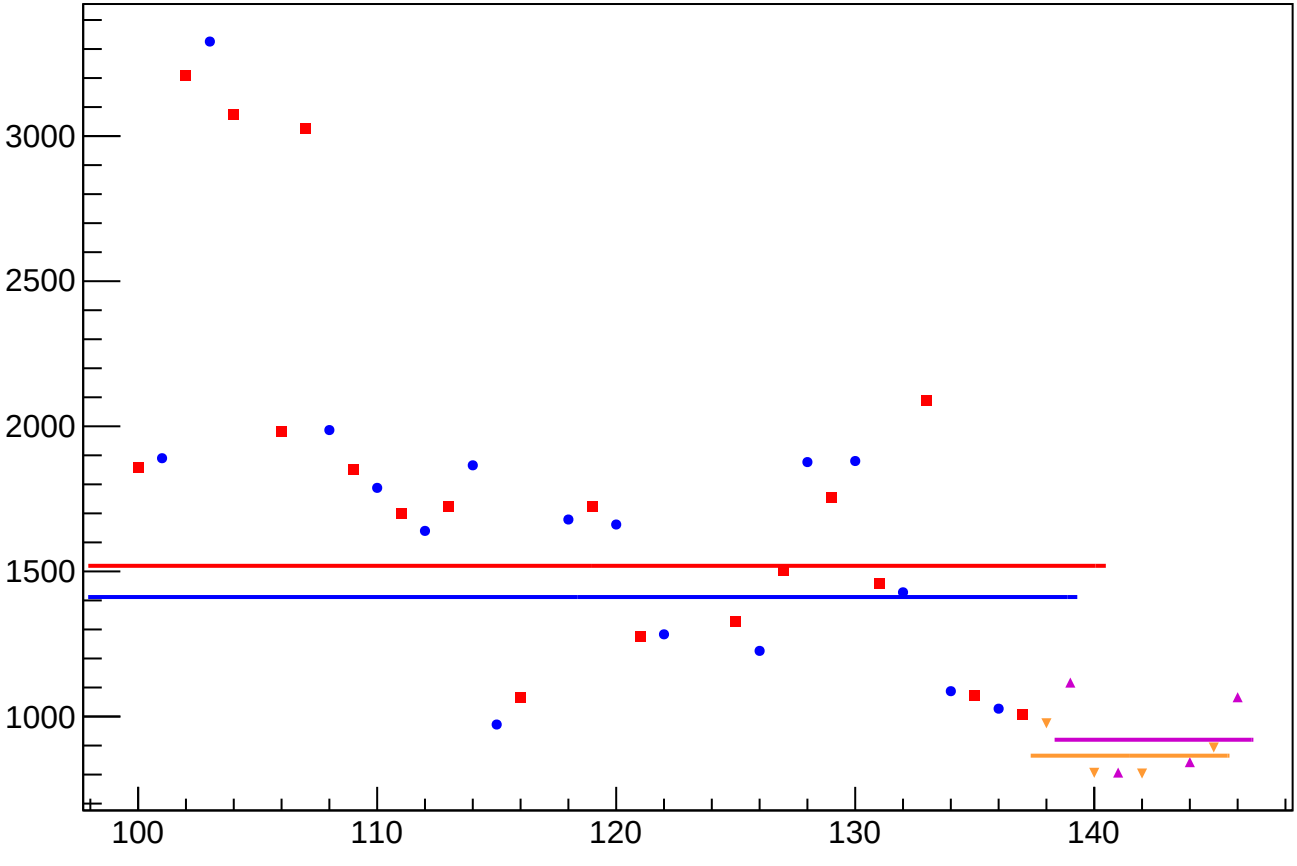
Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -320.712+/-368.423 χ^2/NDF:25.6/19

Out: 450.208+/-388.727 χ^2/NDF:24.5/21

All: 44.090+/-267.404 χ^2/NDF: 52.2/41

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 865.110+/-0.365 χ^2/NDF:35587.1/3

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 920.001+/-0.350 χ^2/NDF:135914.8/3

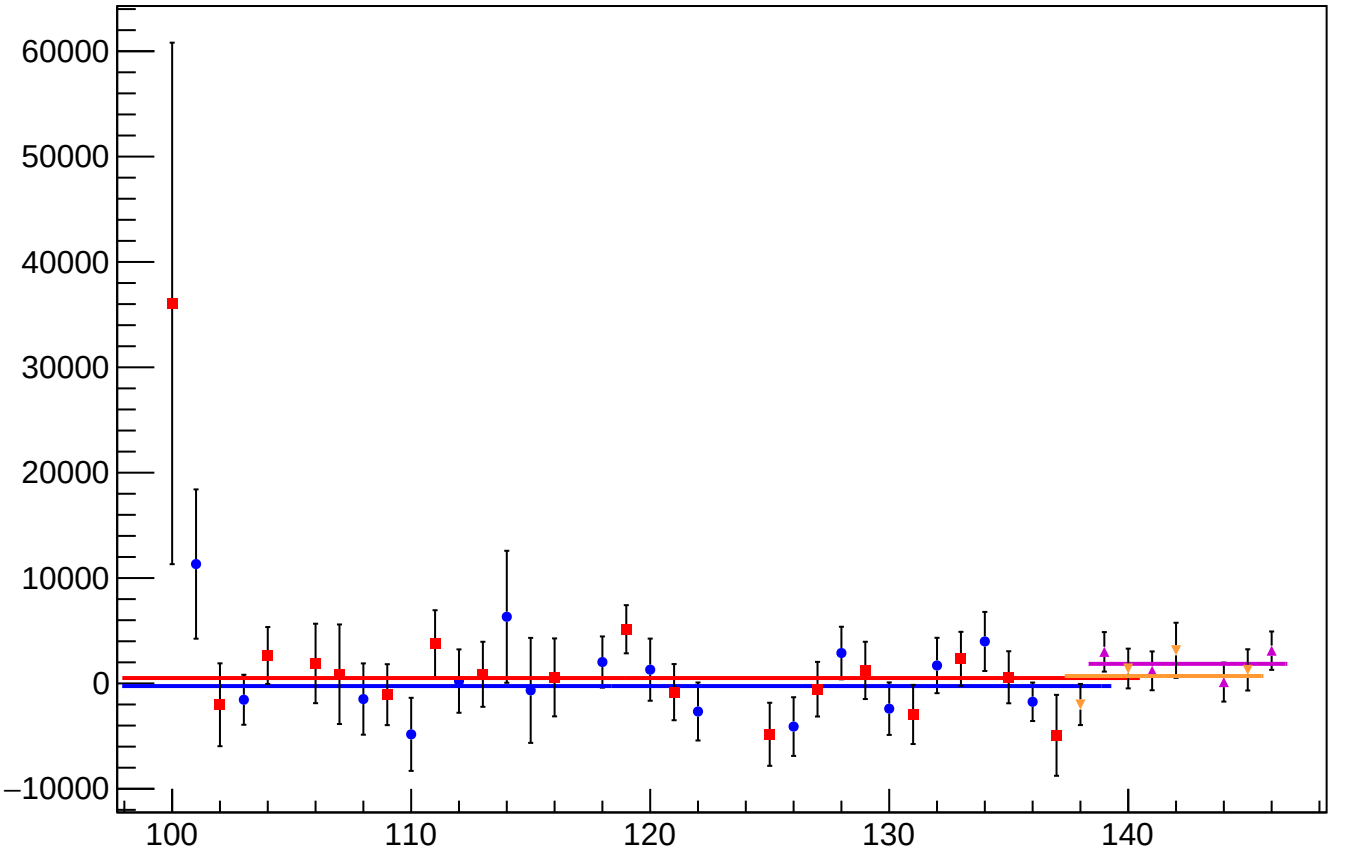
Left: 893.645+/-0.253 χ^2/NDF: 183282.1/7

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1139.985+/-0.261 χ^2/NDF:2194543.1/19

Out: 1147.559+/-0.275 χ^2/NDF:2785451.5/21

All: 1143.569+/-0.189 χ^2/NDF: 4980394.6/41



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 701.562+/-1025.526 χ^2/NDF:3.0/3

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 1857.715+/-923.850 χ^2/NDF:1.8/3

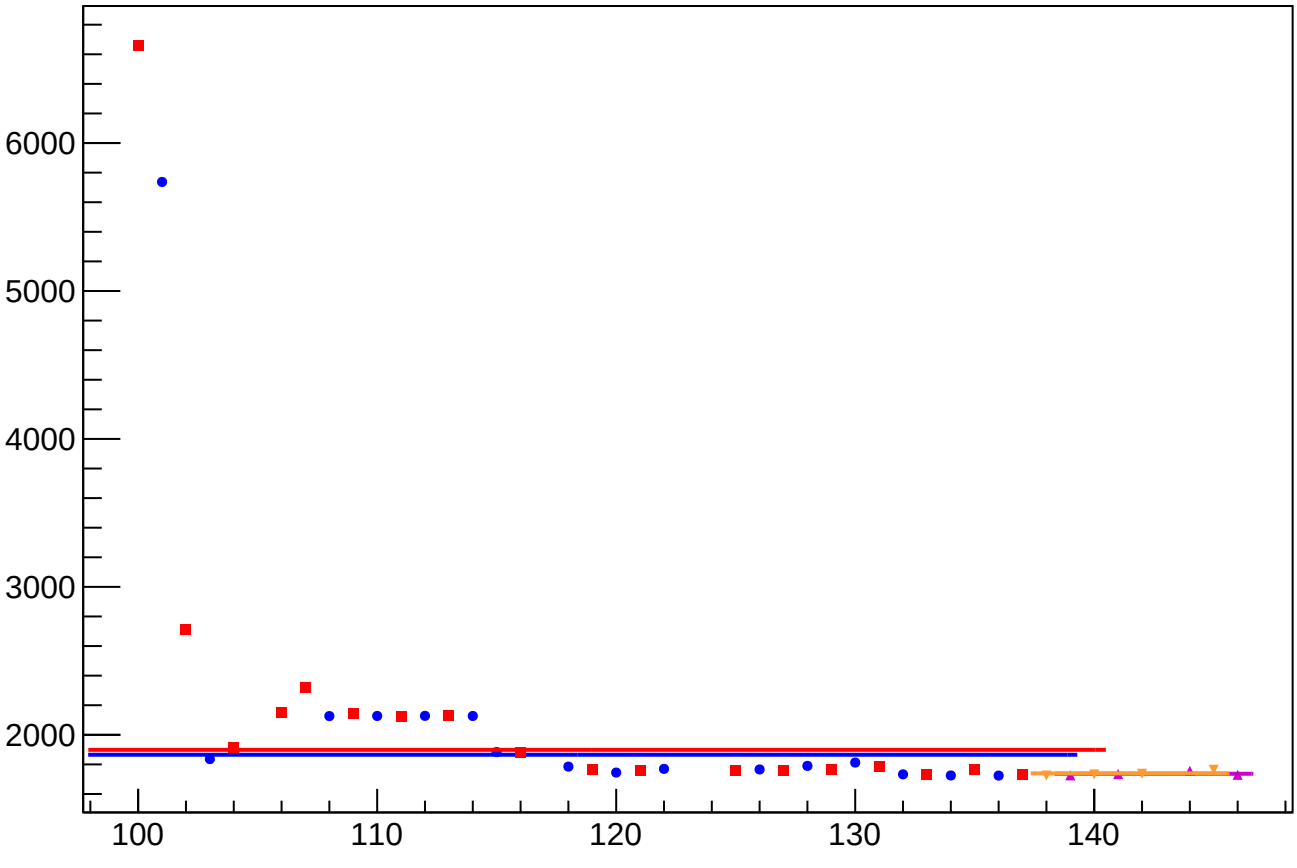
Left: 1339.777+/-686.401 χ^2/NDF: 5.6/7

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 531.321+/-562.942 χ^2/NDF:20.8/19

Out: 572.789+/-586.764 χ^2/NDF:19.5/21

All: 551.196+/-406.221 χ^2/NDF: 40.2/41



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1739.384+/-0.725 χ^2/NDF:456.1/3

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1736.781+/-0.653 χ^2/NDF:330.7/3

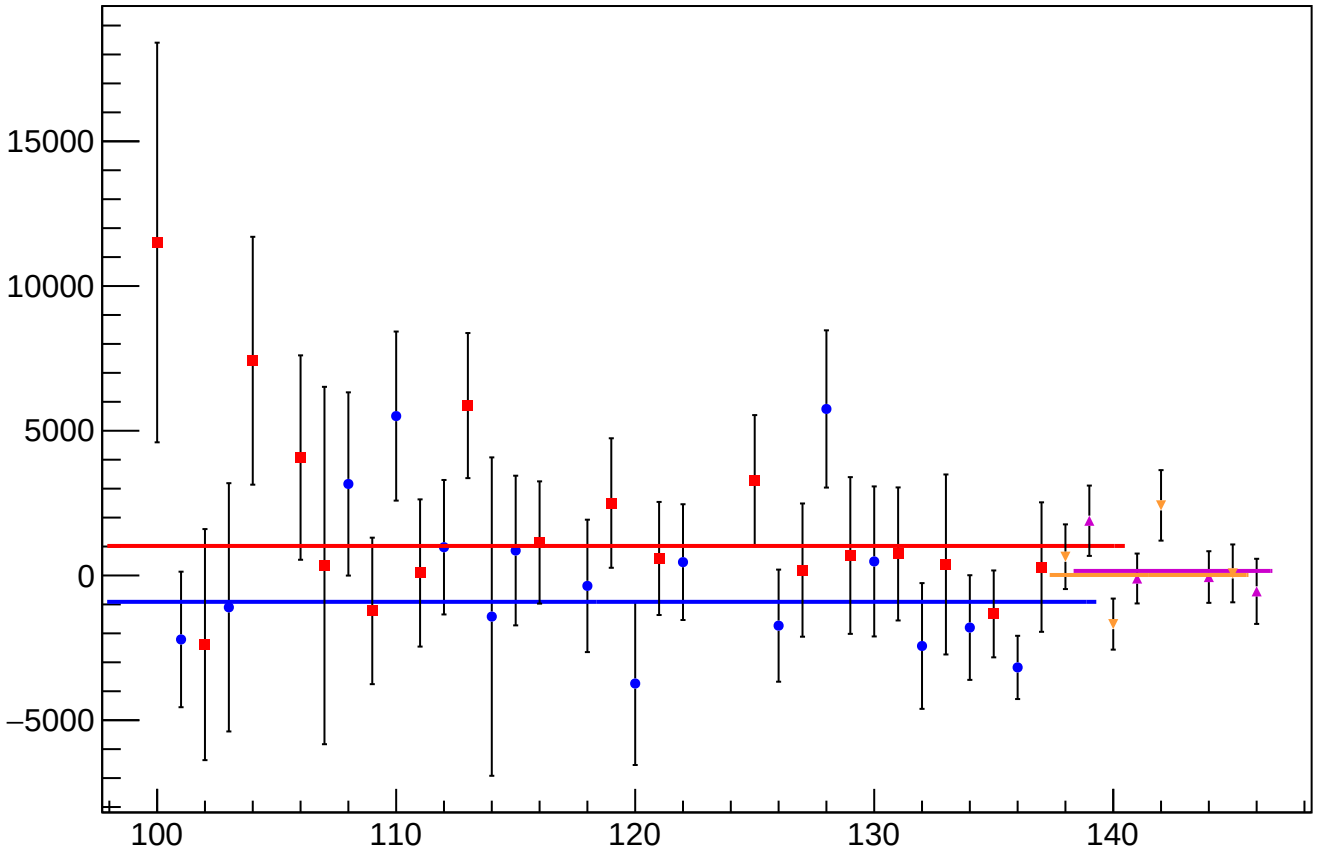
Left: 1737.947+/-0.485 χ^2/NDF: 793.9/7

Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1817.669+/-0.398 χ^2/NDF:699706.8/19

Out: 1846.480+/-0.415 χ^2/NDF:301992.9/21

All: 1831.478+/-0.287 χ^2/NDF: 1004210.5/41



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: 17.186+/-515.673 χ^2/NDF:7.9/3

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 157.071+/-495.590 χ^2/NDF:2.6/3

Left: 89.905+/-357.324 χ^2/NDF: 10.5/7

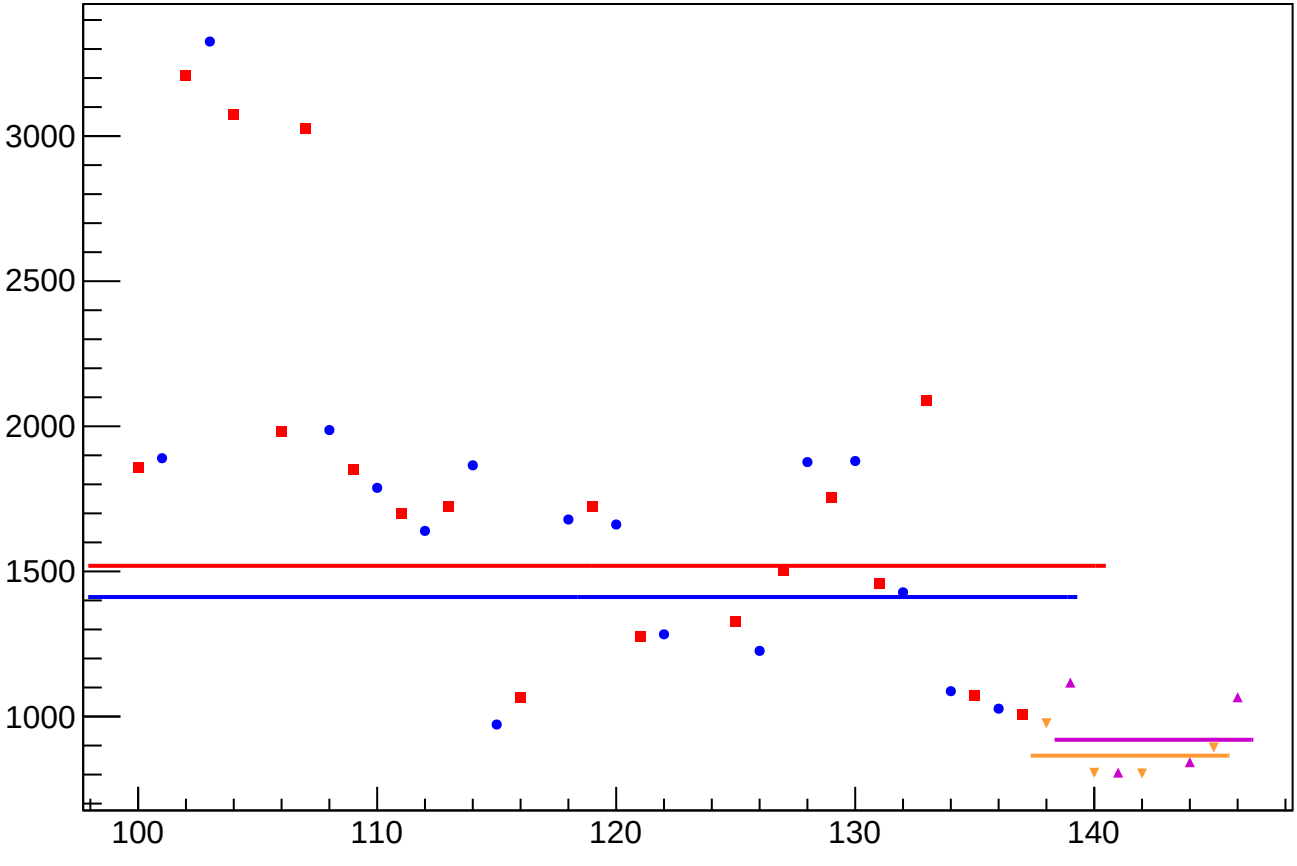
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -320.711+/-368.423 χ^2/NDF:25.6/19

Out: 450.204+/-388.726 χ^2/NDF:24.5/21

All: 44.089+/-267.404 χ^2/NDF: 52.2/41

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 865.108+/-0.365 χ^2/NDF:35588.2/3

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 919.999+/-0.350 χ^2/NDF:135918.3/3

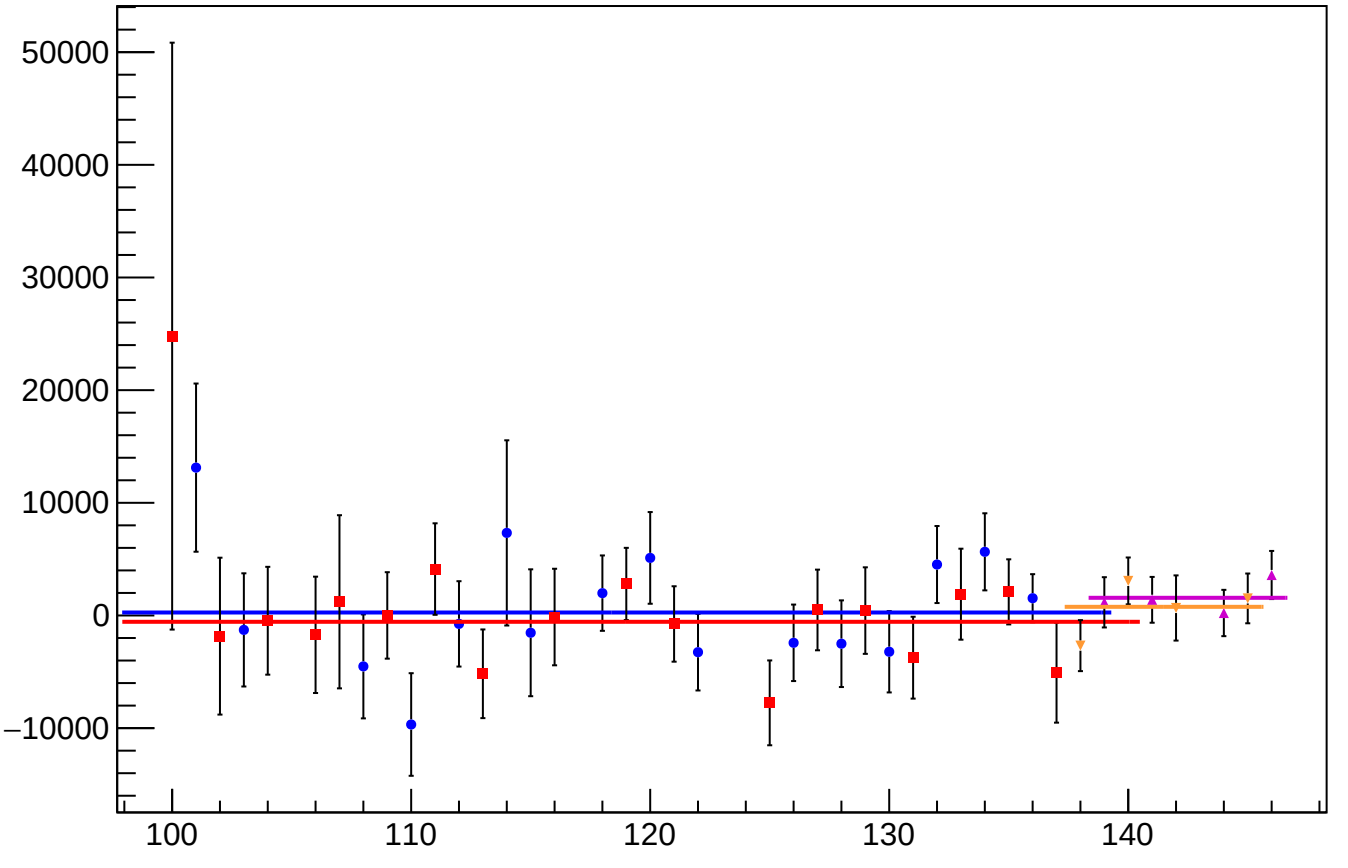
Left: 893.643+/-0.253 χ^2/NDF: 183287.3/7

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1139.983+/-0.261 χ^2/NDF:2194542.4/19

Out: 1147.557+/-0.275 χ^2/NDF:2785460.7/21

All: 1143.567+/-0.189 χ^2/NDF: 4980403.0/41



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 767.600+/-1153.869 χ^2/NDF:3.7/3

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 1568.887+/-1054.886 χ^2/NDF:1.4/3

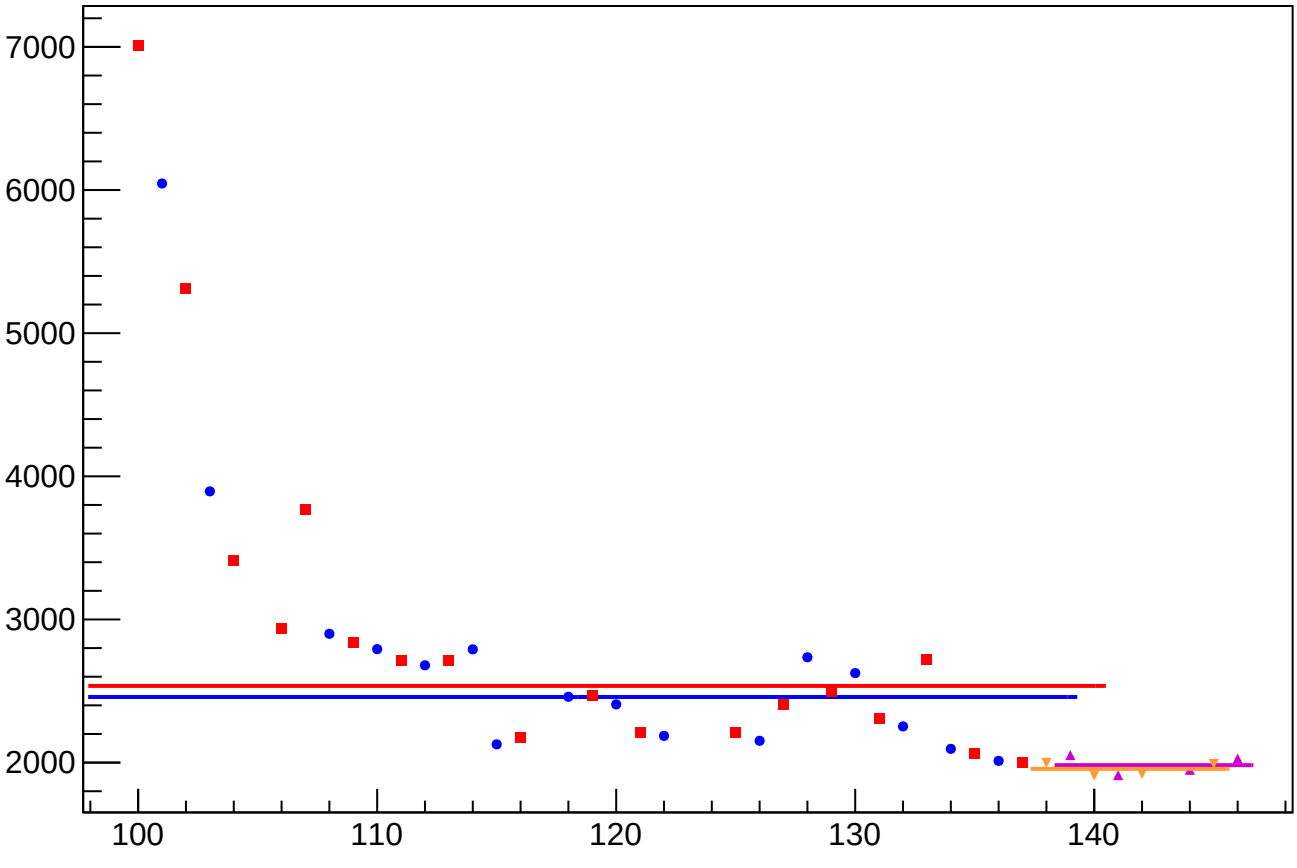
Left: 1204.081+/-778.563 χ^2/NDF: 5.3/7

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 843.111+/-702.619 χ^2/NDF:21.3/19

Out: -15.544+/-739.317 χ^2/NDF:16.2/21

All: 435.622+/-509.306 χ^2/NDF: 38.1/41



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1956.347+/-0.816 χ^2/NDF:2461.1/3

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1982.082+/-0.746 χ^2/NDF:5759.9/3

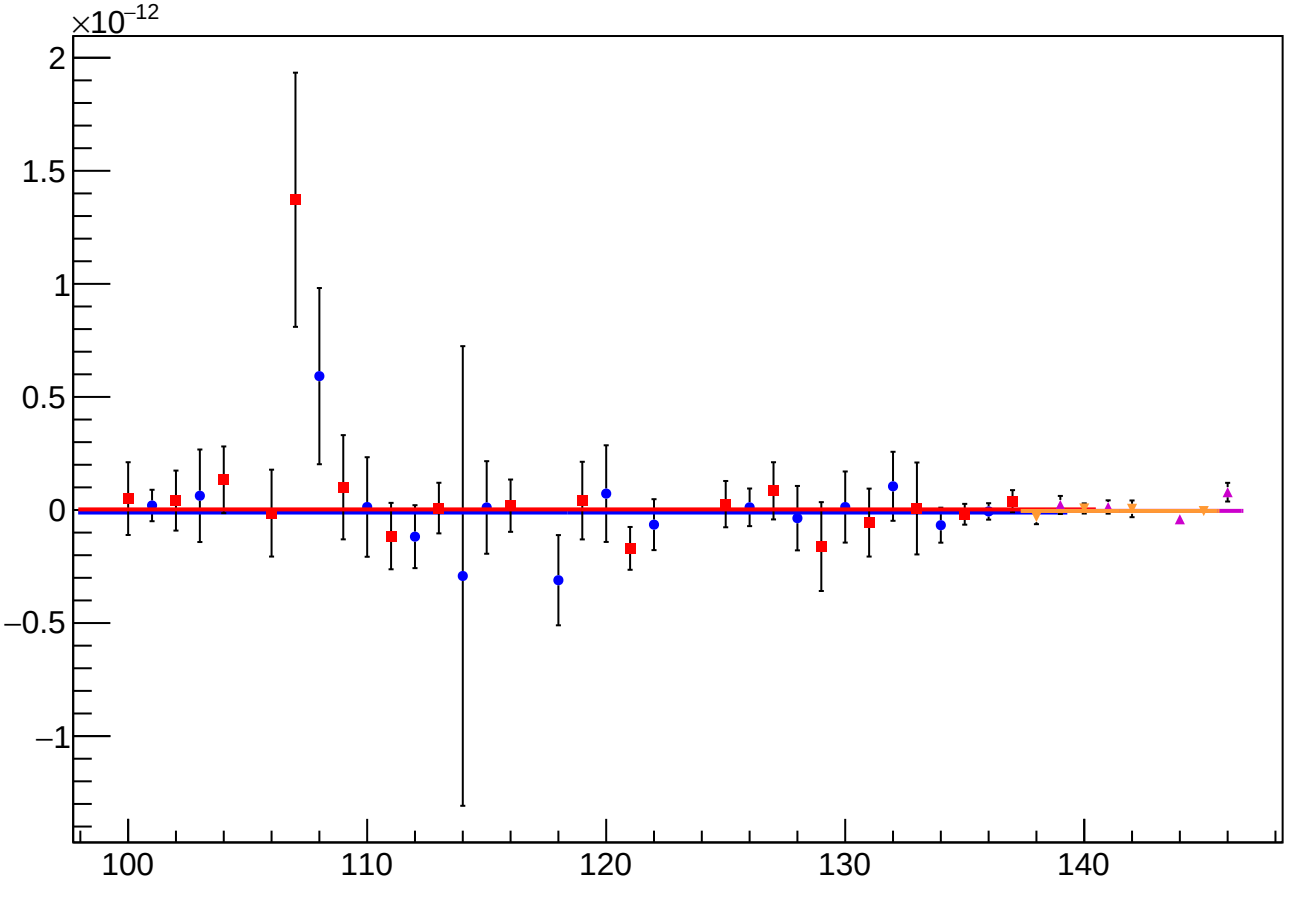
Left: 1970.366+/-0.551 χ^2/NDF: 8763.0/7

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2247.049+/-0.497 χ^2/NDF:1065449.6/19

Out: 2297.906+/-0.523 χ^2/NDF:973093.1/21

All: 2271.184+/-0.360 χ^2/NDF: 2043515.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.1/3

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/3

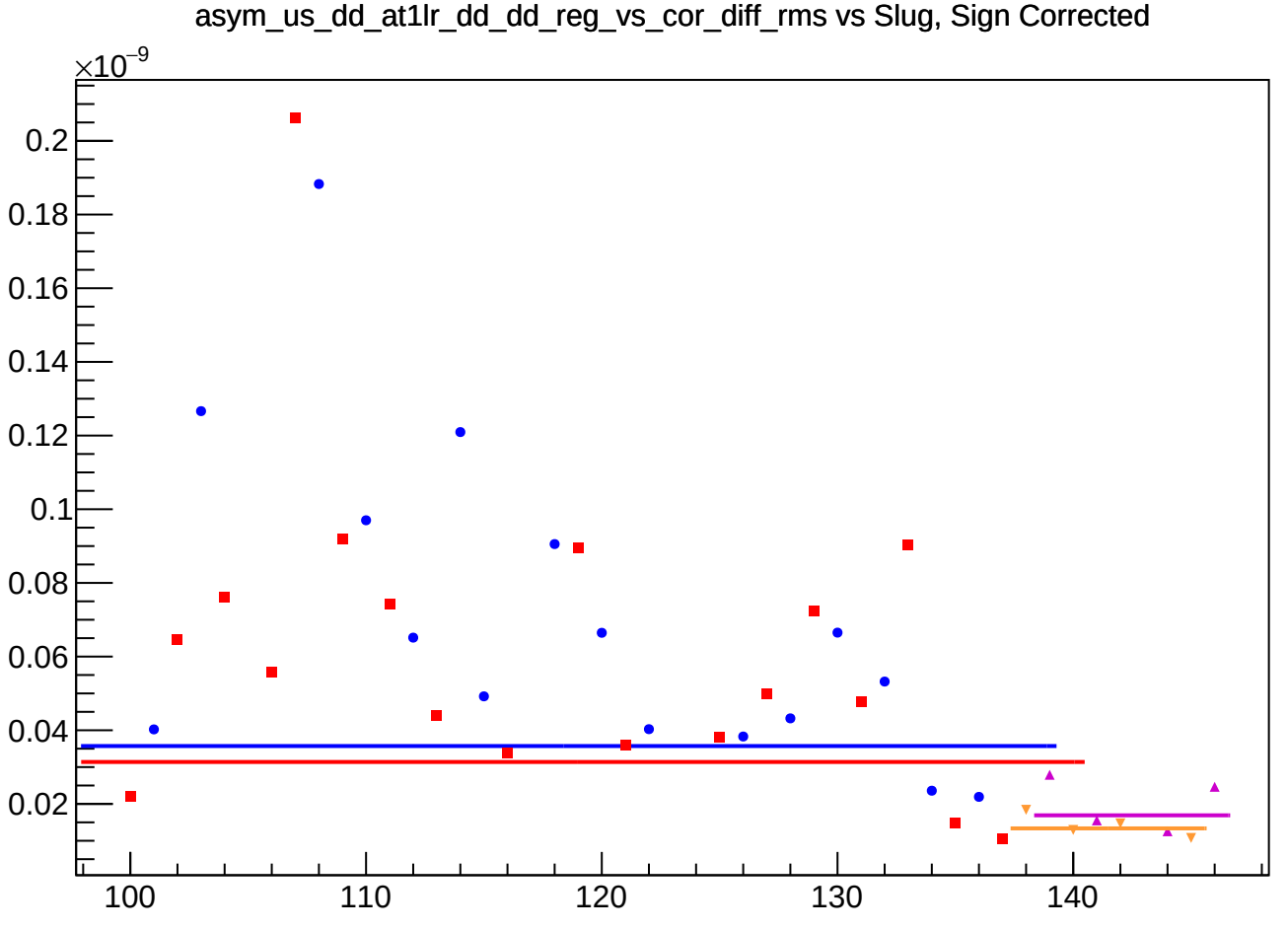
Left: -0.000+/-0.000 χ^2/NDF: 9.0/7

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:15.3/19

Out: -0.000+/-0.000 χ^2/NDF:14.3/21

All: -0.000+/-0.000 χ^2/NDF: 29.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:82739.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:311539.3/3

Left: 0.000+/-0.000 χ^2/NDF: 458995.5/7

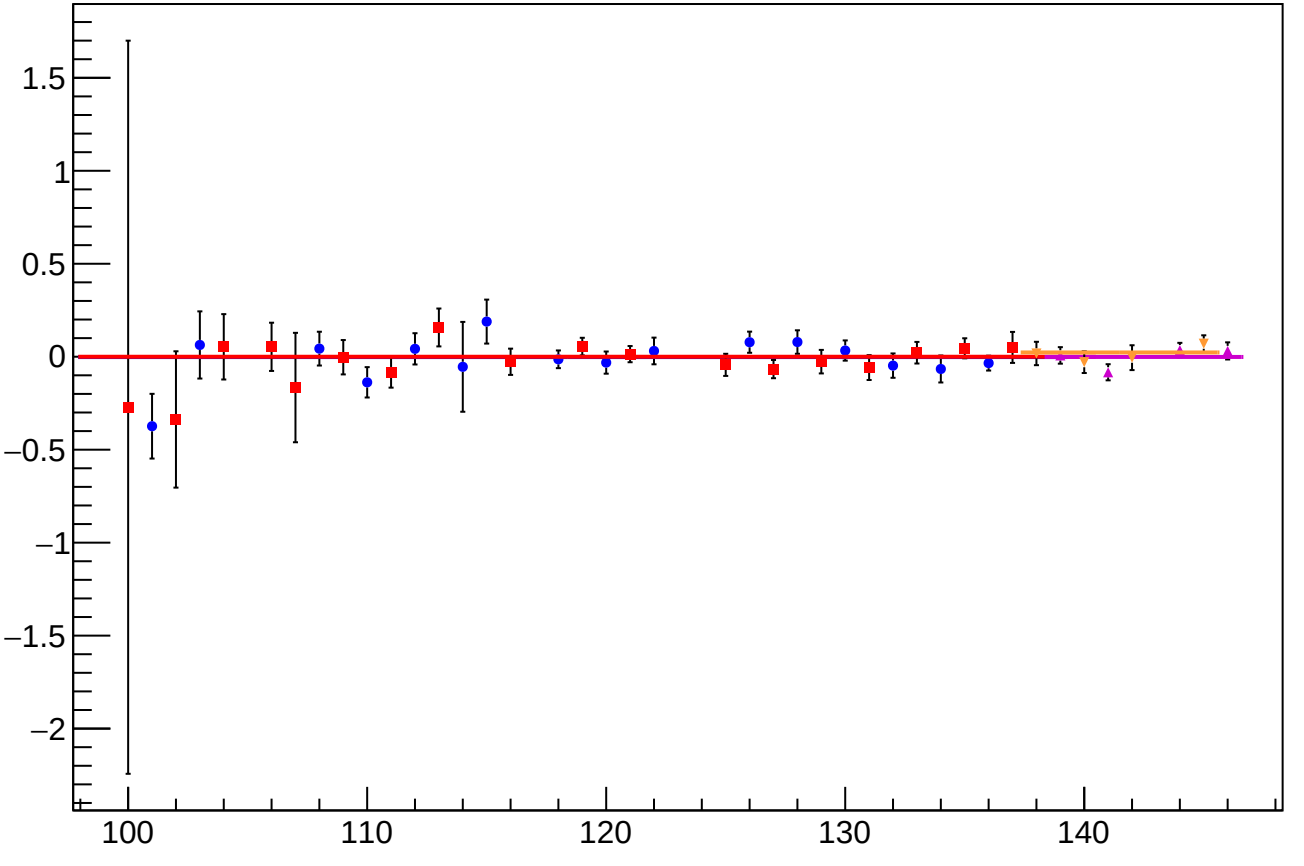
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:2796974.2/19

Out: 0.000+/-0.000 χ^2/NDF:2998231.8/21

All: 0.000+/-0.000 χ^2/NDF: 5929177.9/41

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: 0.023+/-0.028 χ^2/NDF:2.1/3

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.021 χ^2/NDF:5.0/3

Left: 0.008+/-0.017 χ^2/NDF: 7.6/7

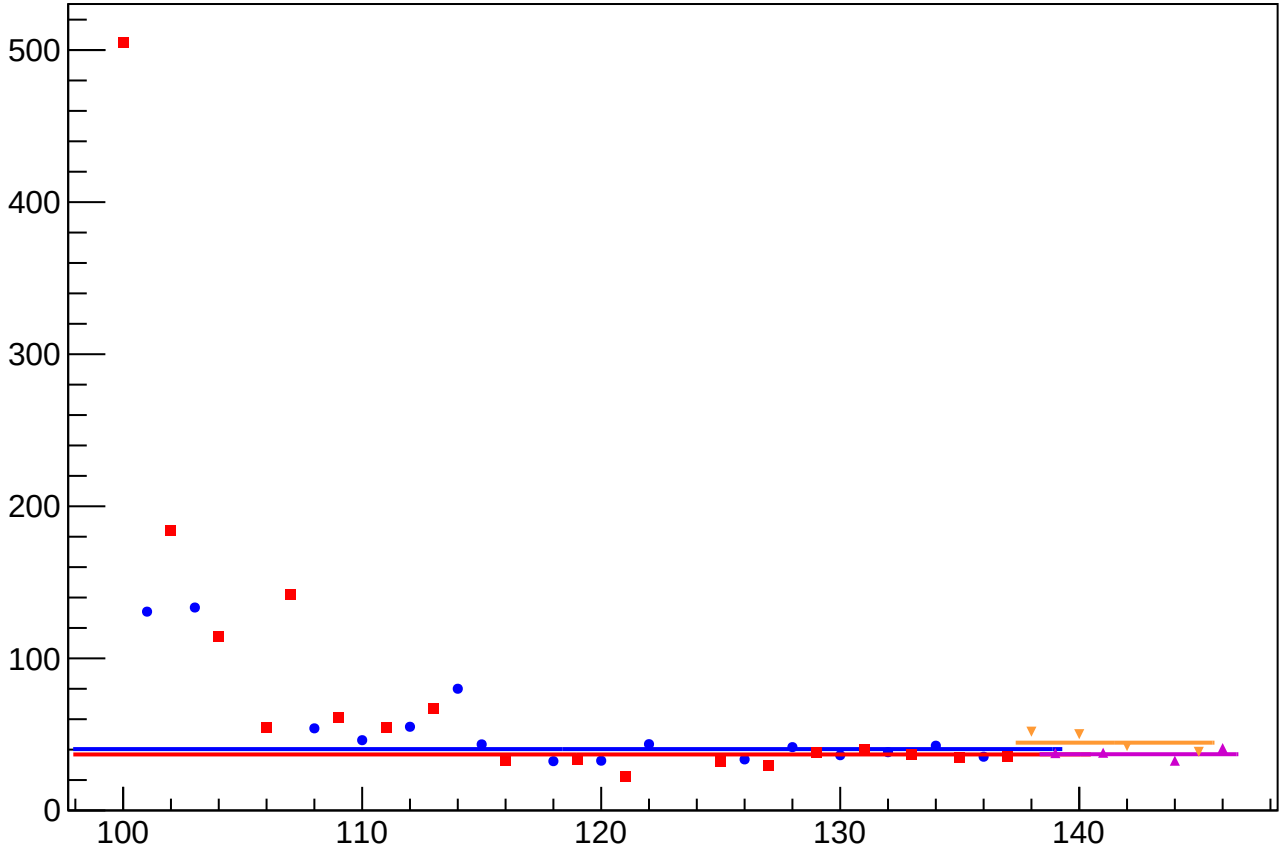
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.013 χ^2/NDF:22.2/19

Out: 0.006+/-0.014 χ^2/NDF:13.5/21

All: 0.002+/-0.010 χ^2/NDF: 35.8/41

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: 44.575+/-0.020 χ^2/NDF:82477.4/3

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 36.979+/-0.015 χ^2/NDF:40816.5/3

Left: 39.772+/-0.012 χ^2/NDF: 215288.3/7

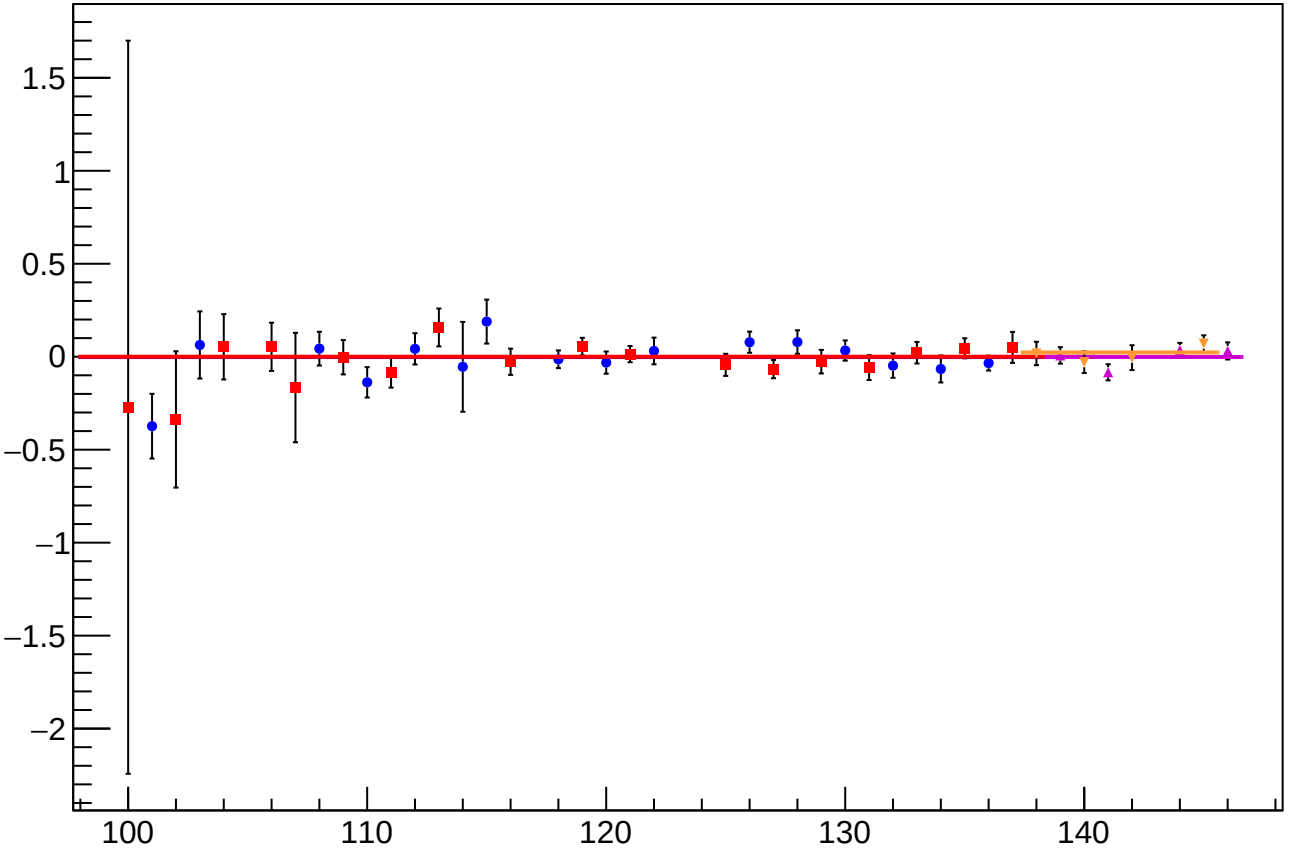
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.045+/-0.009 χ^2/NDF:1481165.3/19

Out: 38.835+/-0.010 χ^2/NDF:2031775.4/21

All: 38.947+/-0.007 χ^2/NDF: 3513169.8/41

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: 0.023+/-0.028 χ^2/NDF:2.1/3

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.021 χ^2/NDF:5.0/3

Left: 0.008+/-0.017 χ^2/NDF: 7.6/7

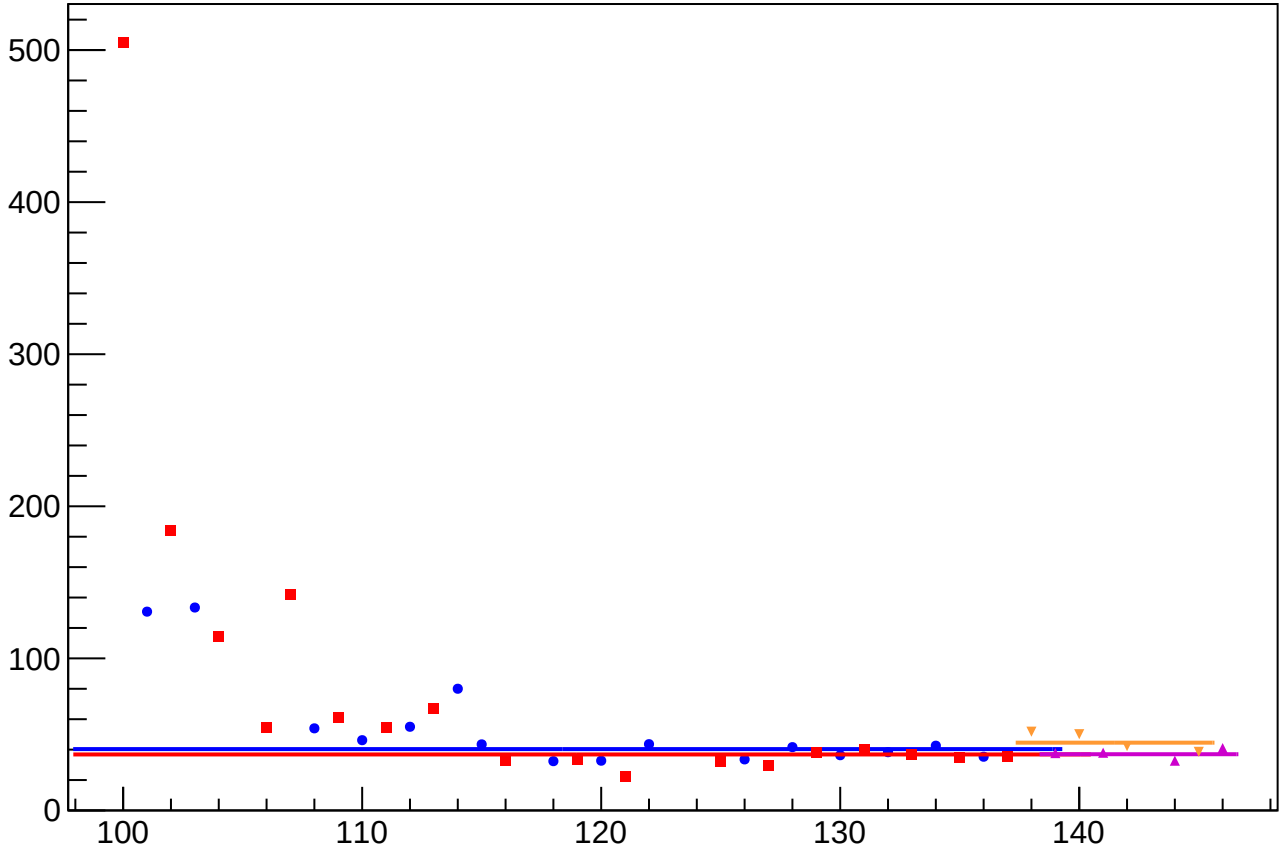
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.013 χ^2/NDF:22.2/19

Out: 0.006+/-0.014 χ^2/NDF:13.5/21

All: 0.002+/-0.010 χ^2/NDF: 35.8/41

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: 44.575+/-0.020 χ^2/NDF:82477.4/3

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 36.979+/-0.015 χ^2/NDF:40816.5/3

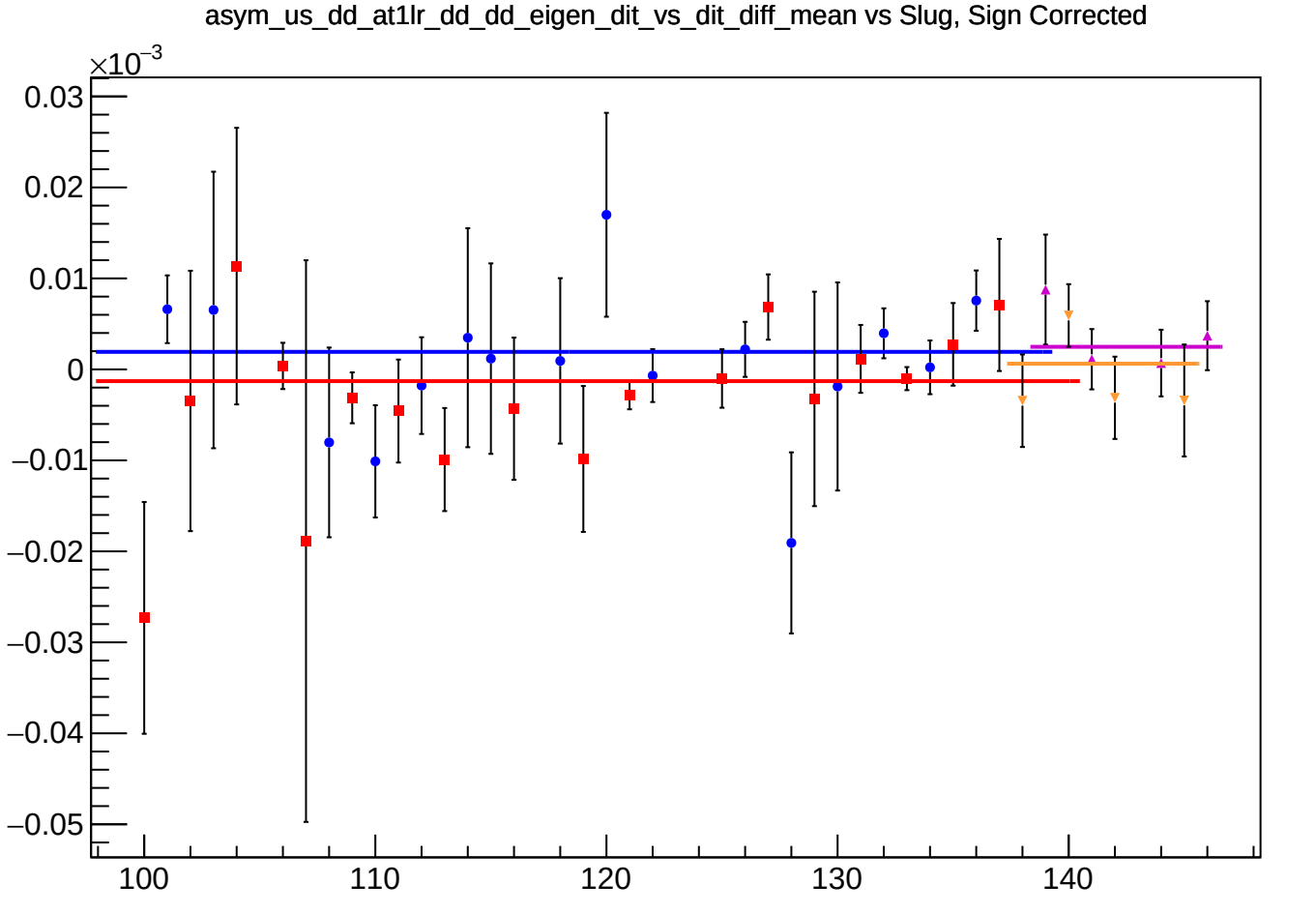
Left: 39.772+/-0.012 χ^2/NDF: 215288.3/7

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

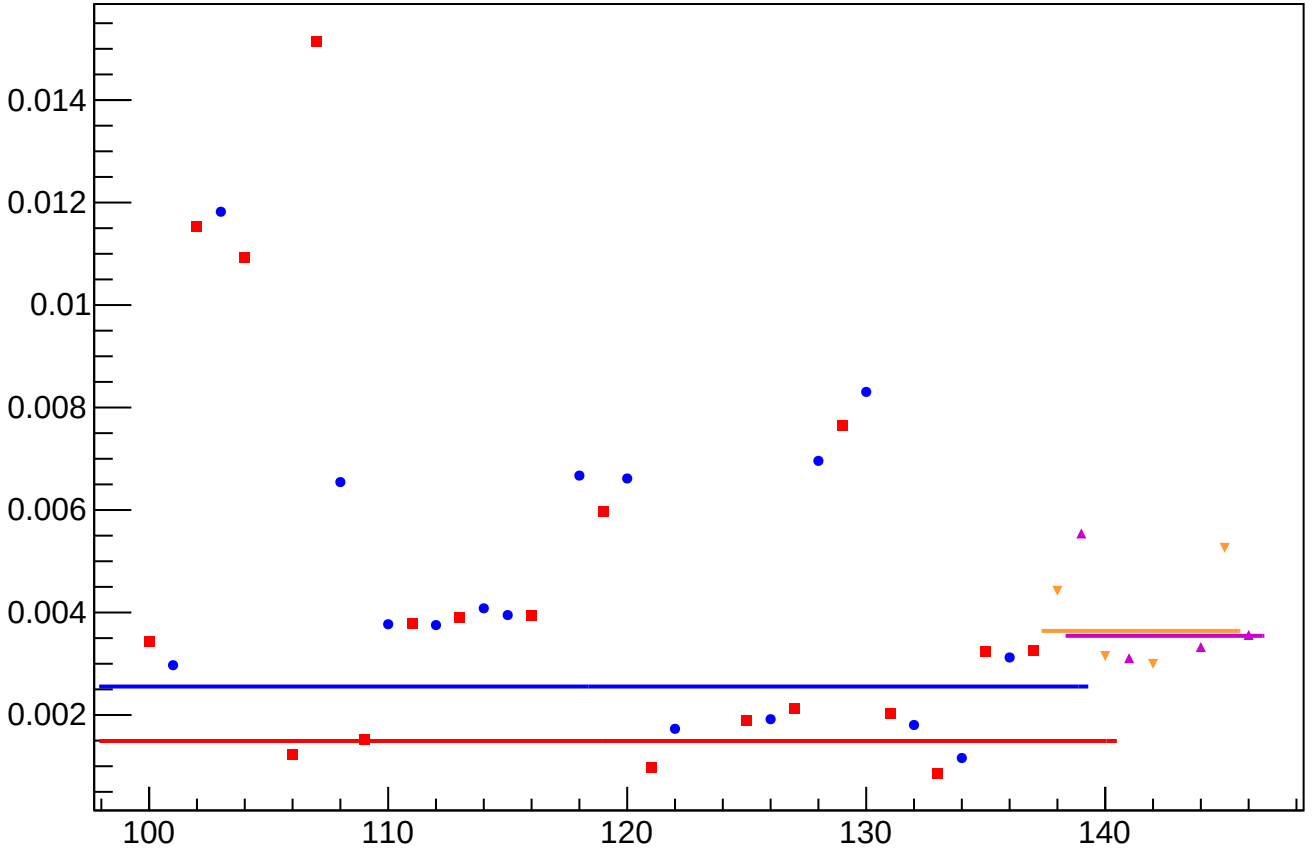
In: 39.045+/-0.009 χ^2/NDF:1481165.3/19

Out: 38.835+/-0.010 χ^2/NDF:2031775.4/21

All: 38.947+/-0.007 χ^2/NDF: 3513169.8/41


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: 0.000+/-0.000 χ²/NDF:4.1/3
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:1.6/3
Left: 0.000+/-0.000 χ²/NDF: 6.1/7
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:19.5/19
Out: -0.000+/-0.000 χ²/NDF:23.7/21
All: -0.000+/-0.000 χ²/NDF: 50.0/41

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:267440.2/3

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:260034.8/3

Left: 0.004+/-0.000 χ^2/NDF: 529571.4/7

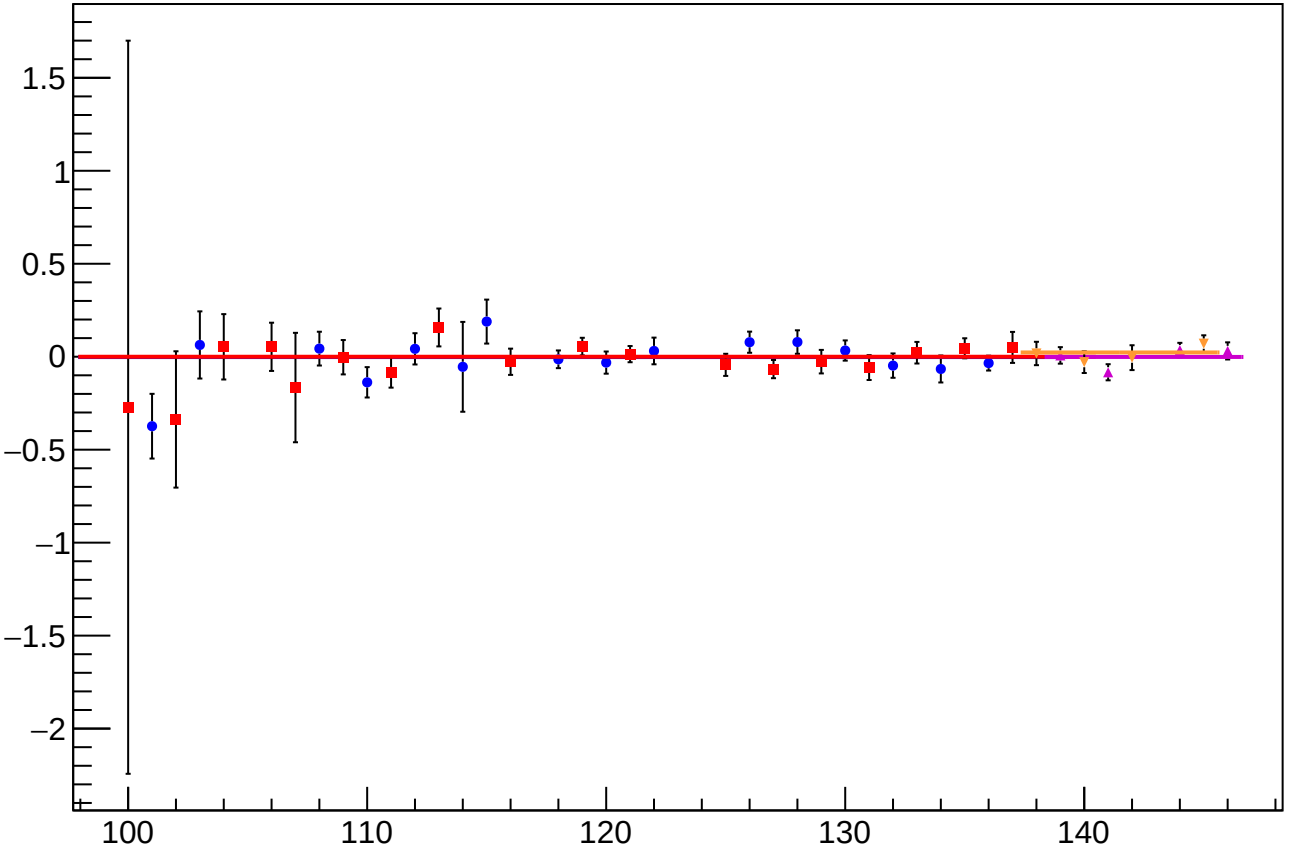
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4425103.3/19

Out: 0.002+/-0.000 χ^2/NDF:7476481.0/21

All: 0.002+/-0.000 χ^2/NDF: 13532572.7/41

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: 0.023+/-0.028 χ^2/NDF:2.1/3

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.021 χ^2/NDF:5.0/3

Left: 0.008+/-0.017 χ^2/NDF: 7.6/7

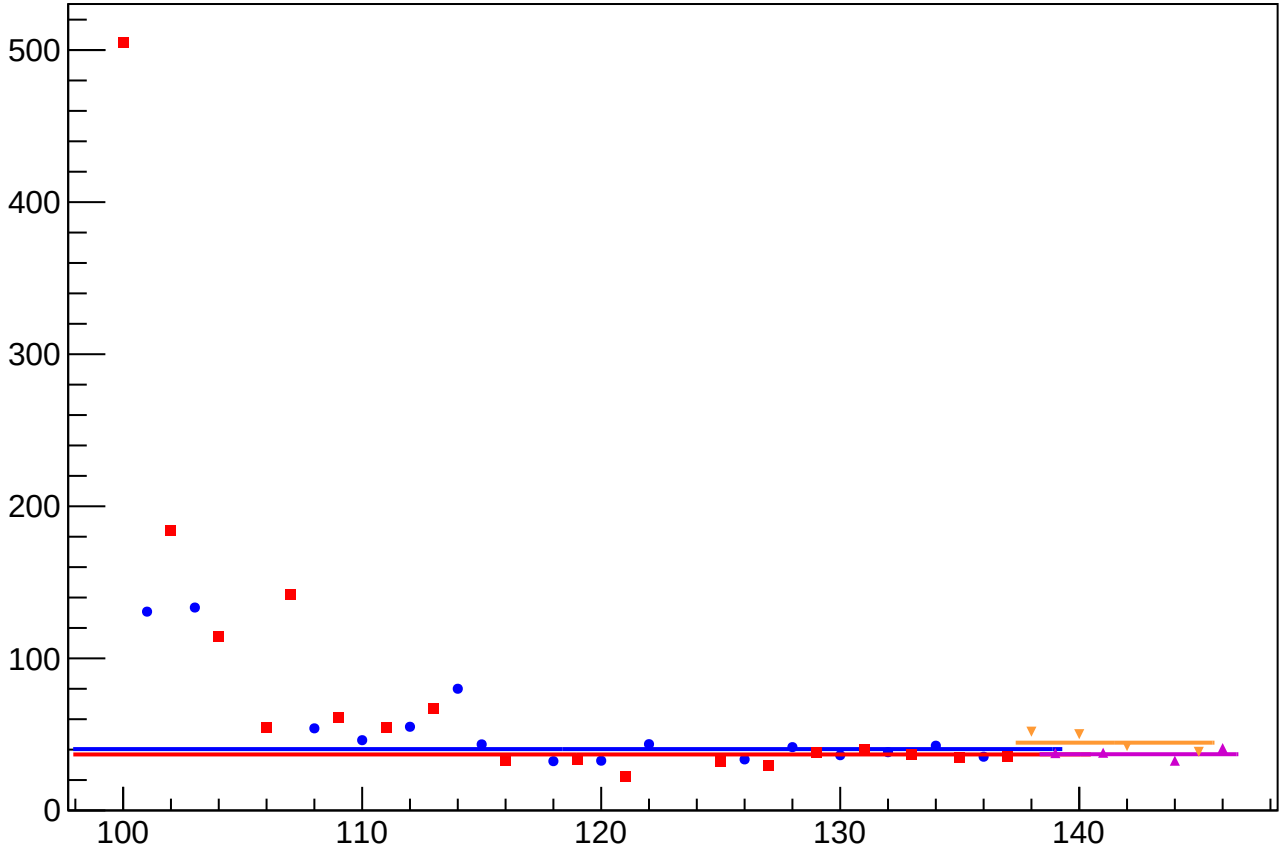
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.013 χ^2/NDF:22.2/19

Out: 0.006+/-0.014 χ^2/NDF:13.5/21

All: 0.002+/-0.010 χ^2/NDF: 35.8/41

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: 44.574+/-0.020 χ^2/NDF:82484.1/3

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 36.979+/-0.015 χ^2/NDF:40811.7/3

Left: 39.772+/-0.012 χ^2/NDF: 215286.7/7

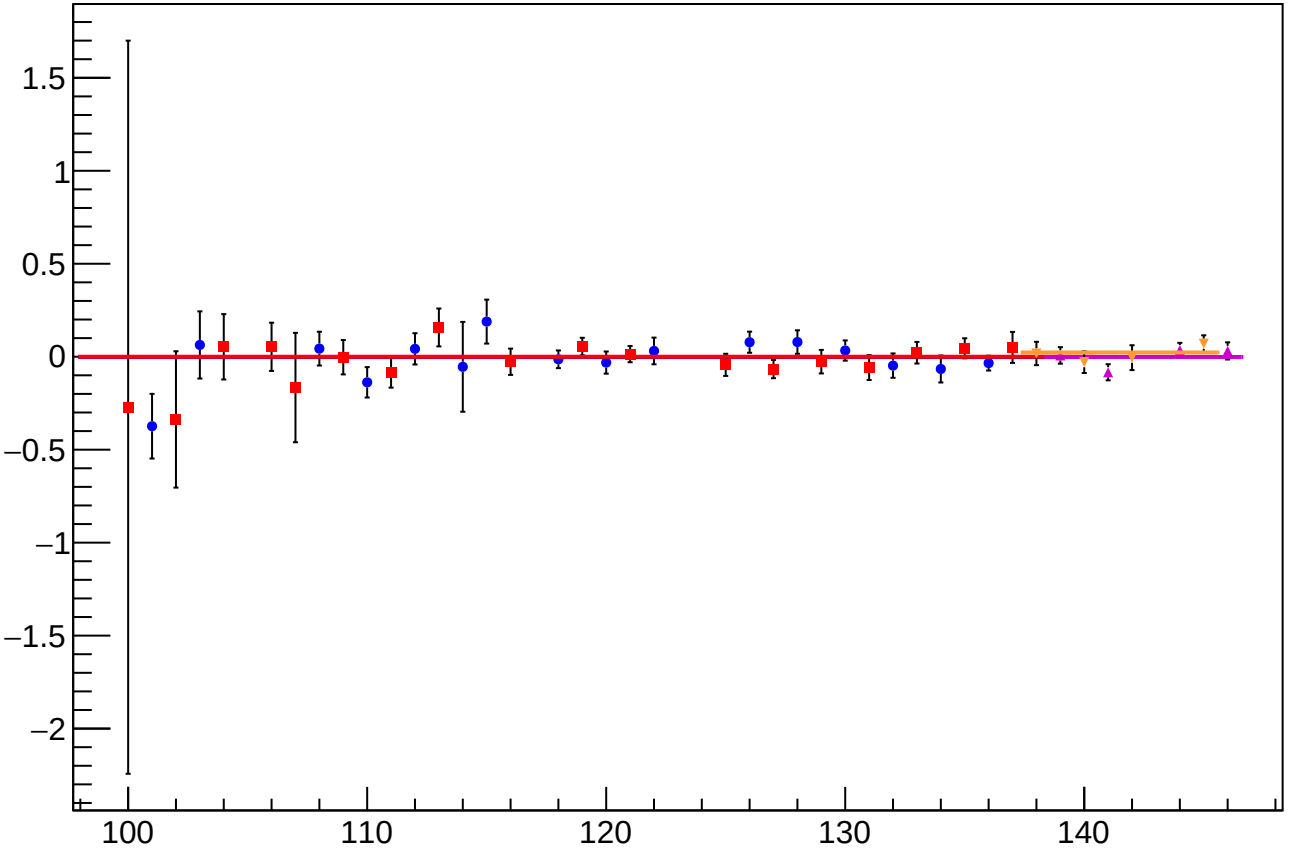
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.045+/-0.009 χ^2/NDF:1481072.4/19

Out: 38.834+/-0.010 χ^2/NDF:2031794.1/21

All: 38.947+/-0.007 χ^2/NDF: 3513097.8/41

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: 0.023+/-0.028 χ^2/NDF:2.1/3

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.021 χ^2/NDF:5.0/3

Left: 0.008+/-0.017 χ^2/NDF: 7.6/7

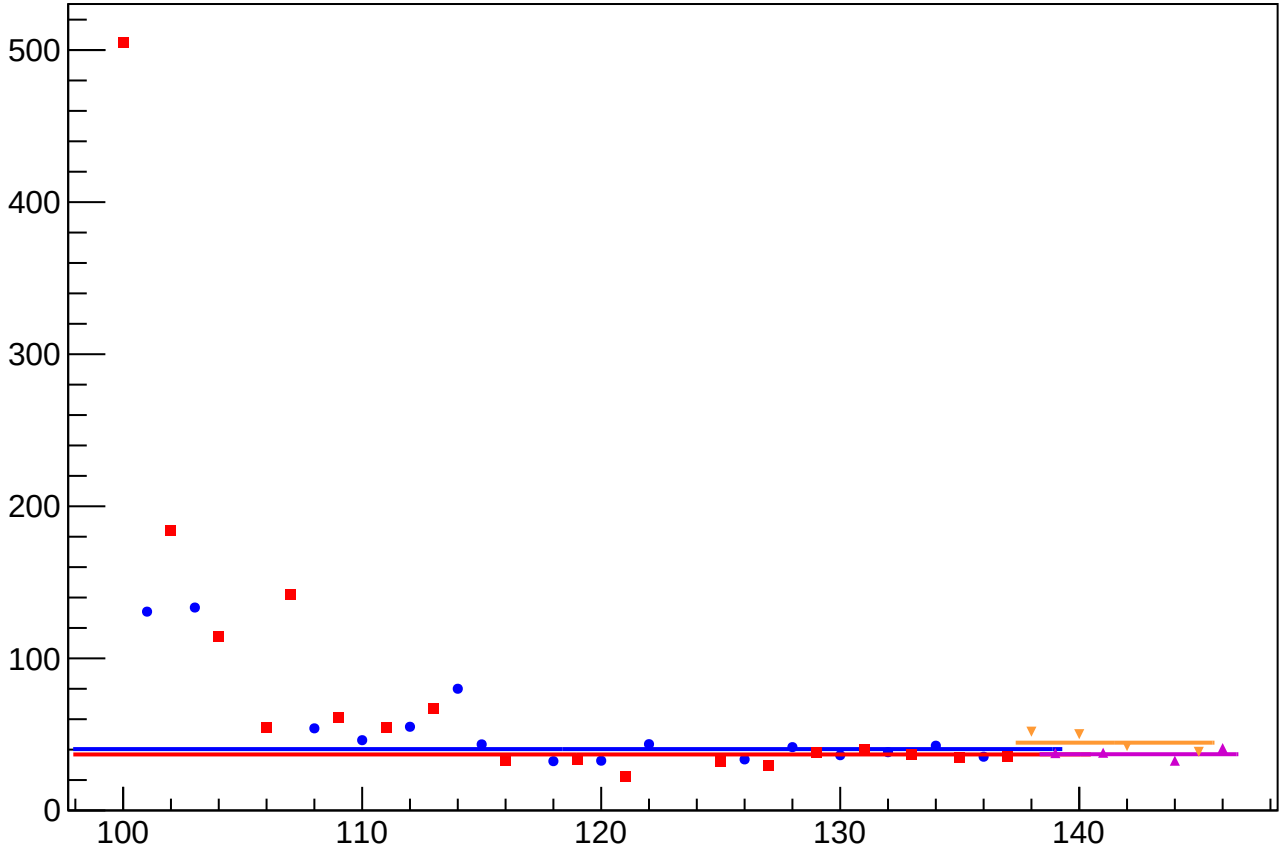
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.013 χ^2/NDF:22.2/19

Out: 0.006+/-0.014 χ^2/NDF:13.5/21

All: 0.002+/-0.010 χ^2/NDF: 35.8/41

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: 44.574+/-0.020 χ^2/NDF:82484.1/3

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 36.979+/-0.015 χ^2/NDF:40811.7/3

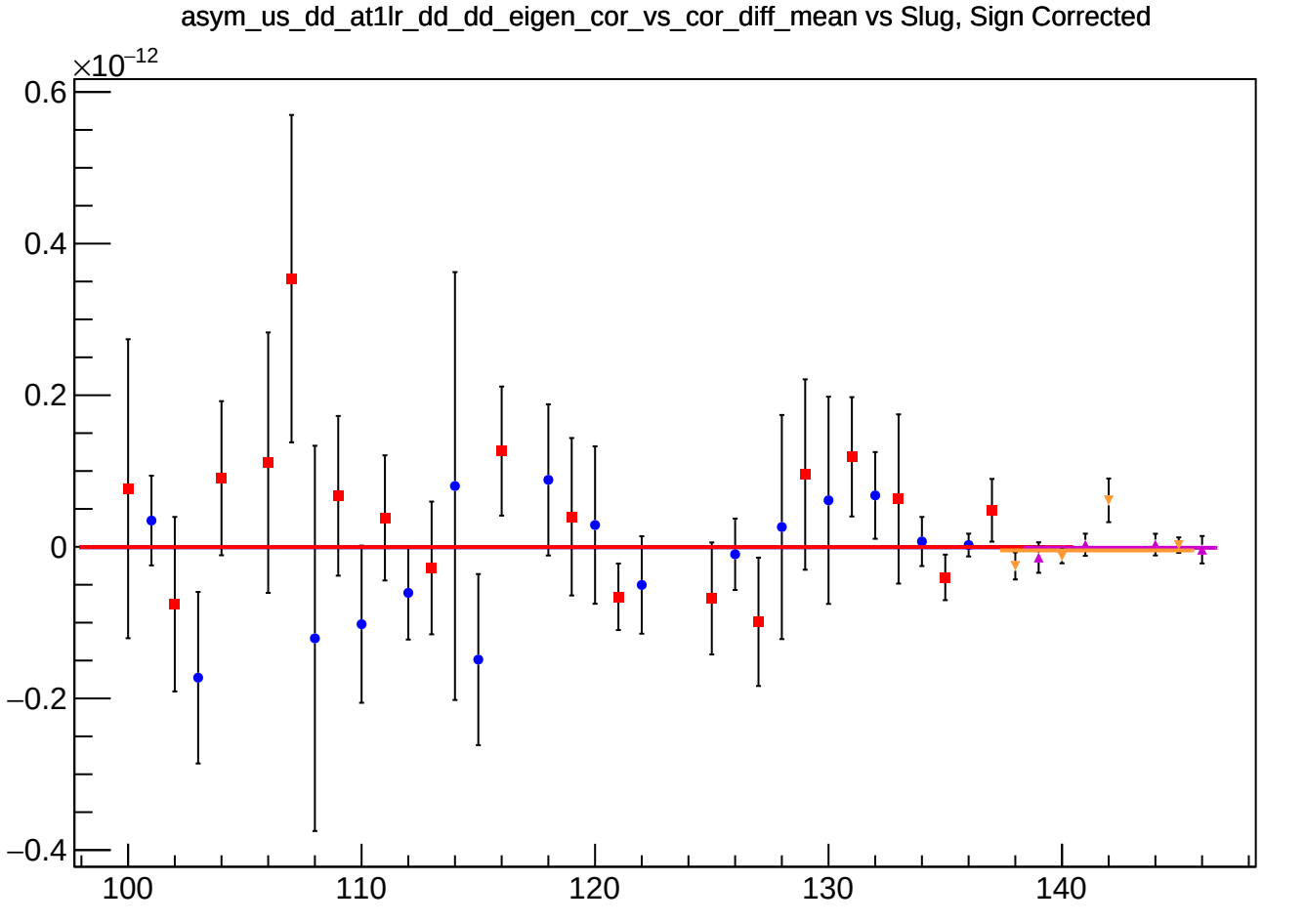
Left: 39.772+/-0.012 χ^2/NDF: 215286.7/7

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.045+/-0.009 χ^2/NDF:1481072.4/19

Out: 38.834+/-0.010 χ^2/NDF:2031794.1/21

All: 38.947+/-0.007 χ^2/NDF: 3513097.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

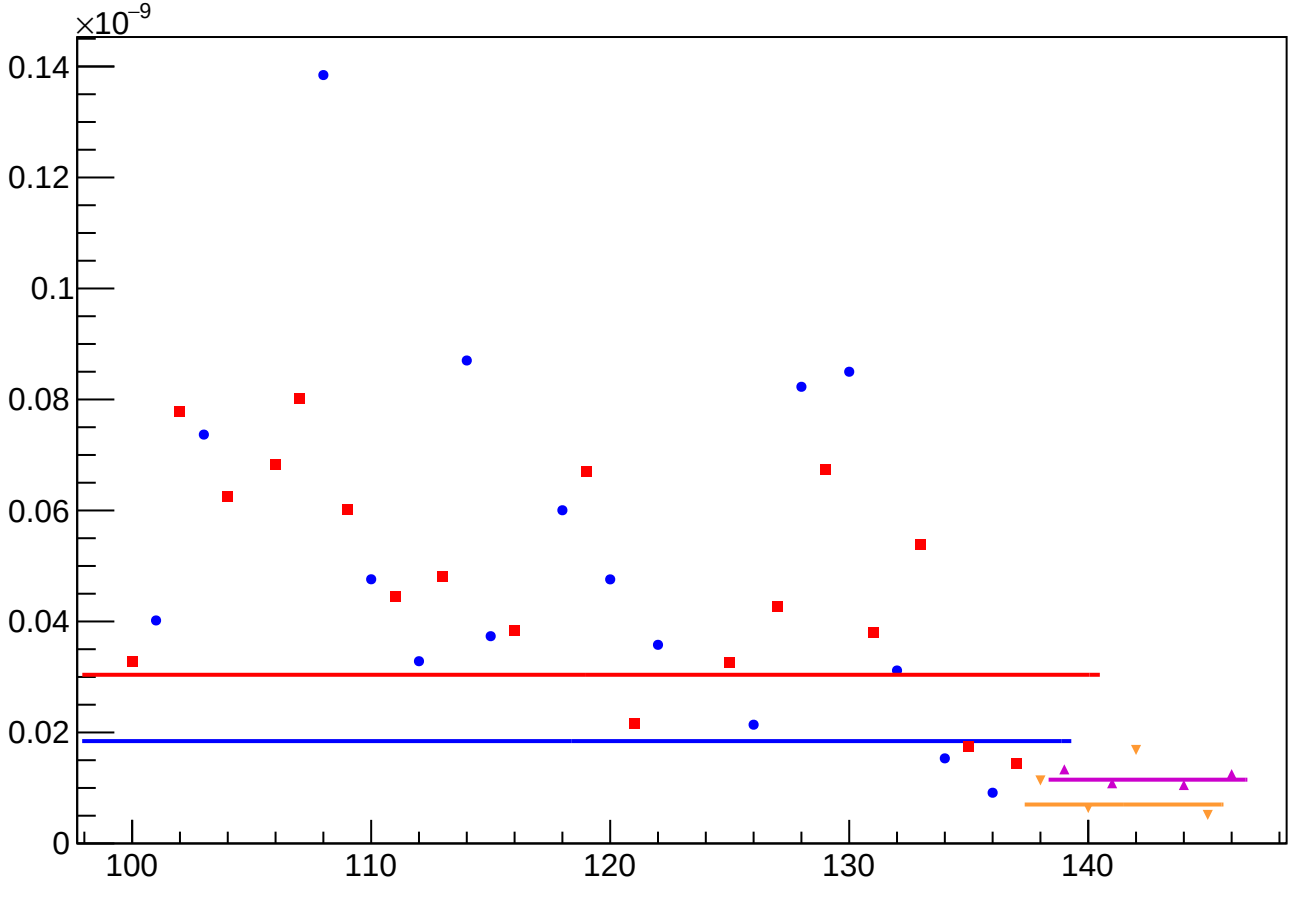
Left: -0.000+/-0.000 χ^2/NDF: 8.4/7

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:10.5/19

Out: -0.000+/-0.000 χ^2/NDF:26.1/21

All: -0.000+/-0.000 χ^2/NDF: 36.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:428837.6/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:36163.6/3

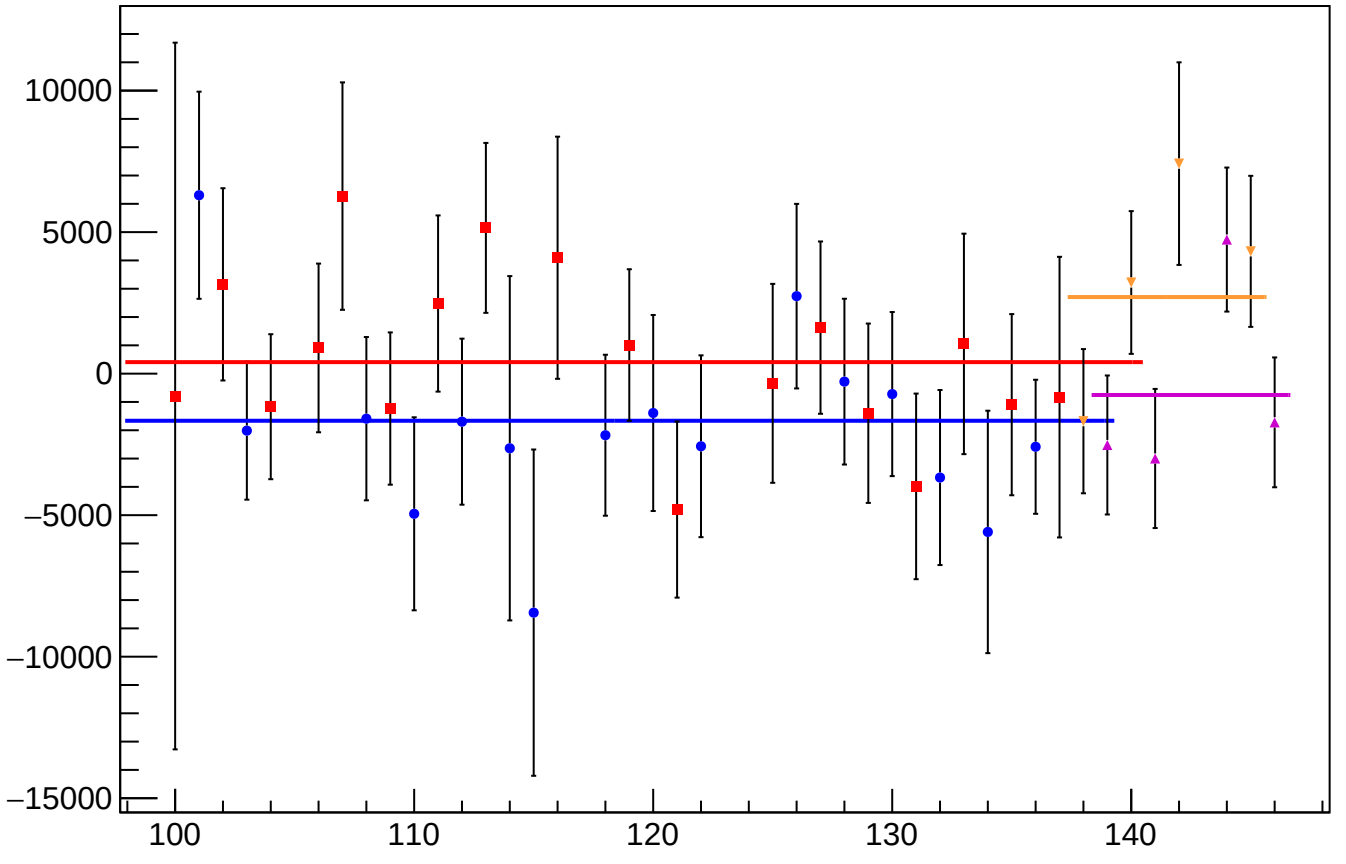
Left: 0.000+/-0.000 χ^2/NDF: 843442.3/7

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4543346.4/19

Out: 0.000+/-0.000 χ^2/NDF:6334170.0/21

All: 0.000+/-0.000 χ^2/NDF: 11242619.3/41



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2706.149+/-1373.700 χ^2/NDF:5.1/3

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -754.109+/-1216.254 χ^2/NDF:6.2/3

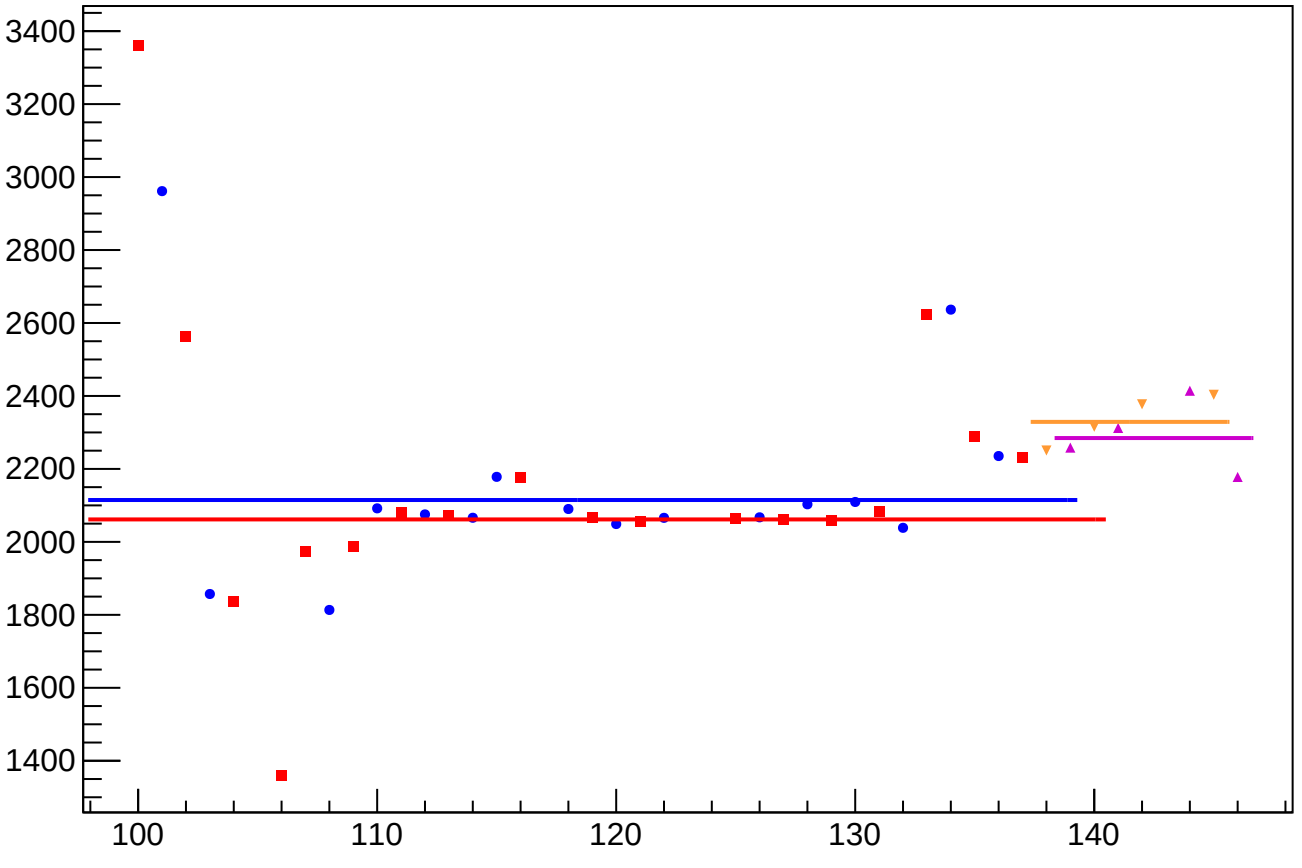
Left: 766.443+/-910.622 χ^2/NDF: 14.8/7

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1393.197+/-663.786 χ^2/NDF:17.4/19

Out: 964.336+/-676.413 χ^2/NDF:20.0/21

All: -236.641+/-473.769 χ^2/NDF: 43.5/41



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2328.945+/-0.971 χ^2/NDF:3864.8/3

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

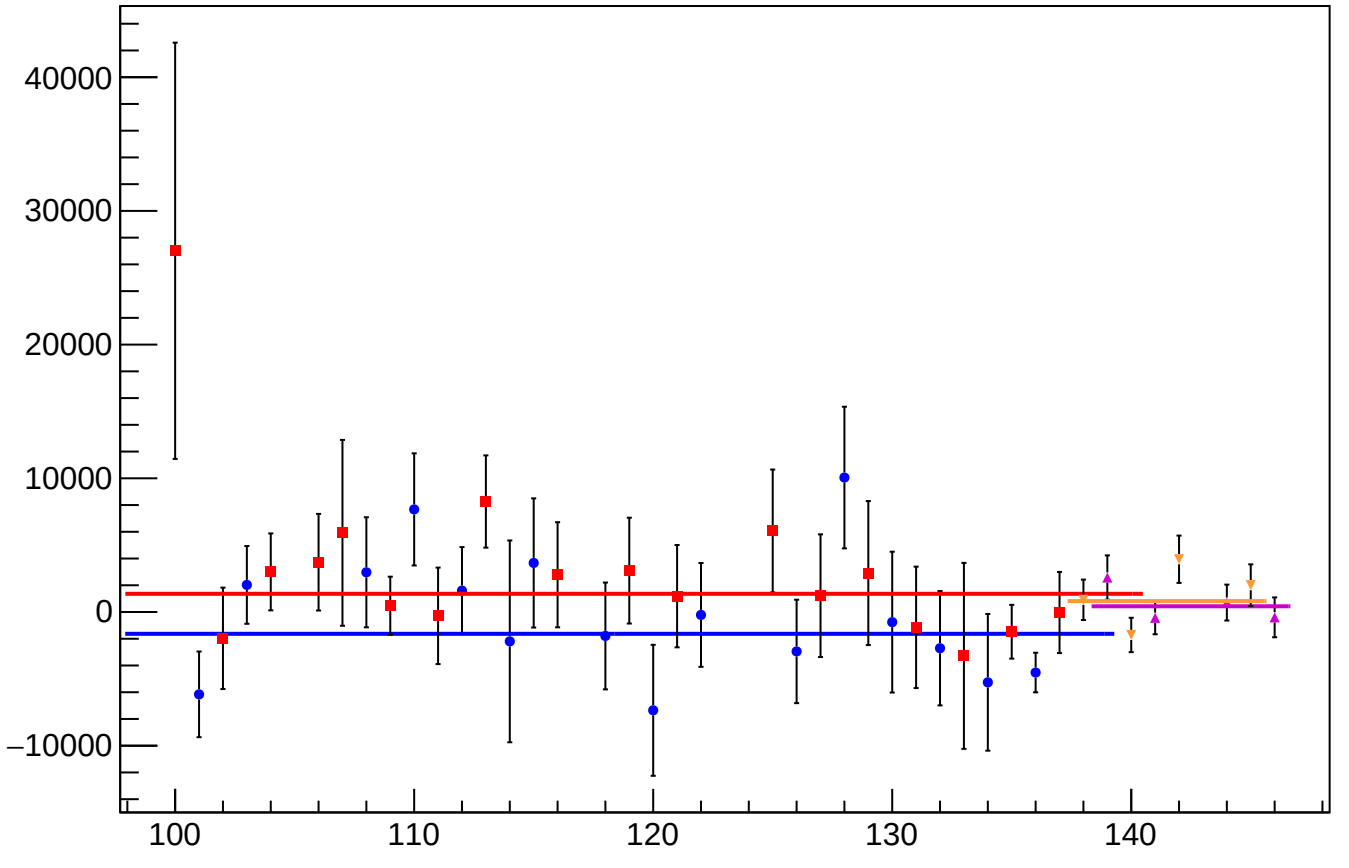
Left: 2304.097+/-0.644 χ^2/NDF: 15033.4/7

Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2165.350+/-0.469 χ^2/NDF:227312.4/19

Out: 2126.390+/-0.478 χ^2/NDF:310453.6/21

All: 2146.237+/-0.335 χ^2/NDF: 541146.0/41



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: 816.514+/-750.609 χ^2/NDF:7.6/3

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 428.026+/-702.523 χ^2/NDF:2.5/3

Left: 609.429+/-512.916 χ^2/NDF: 10.3/7

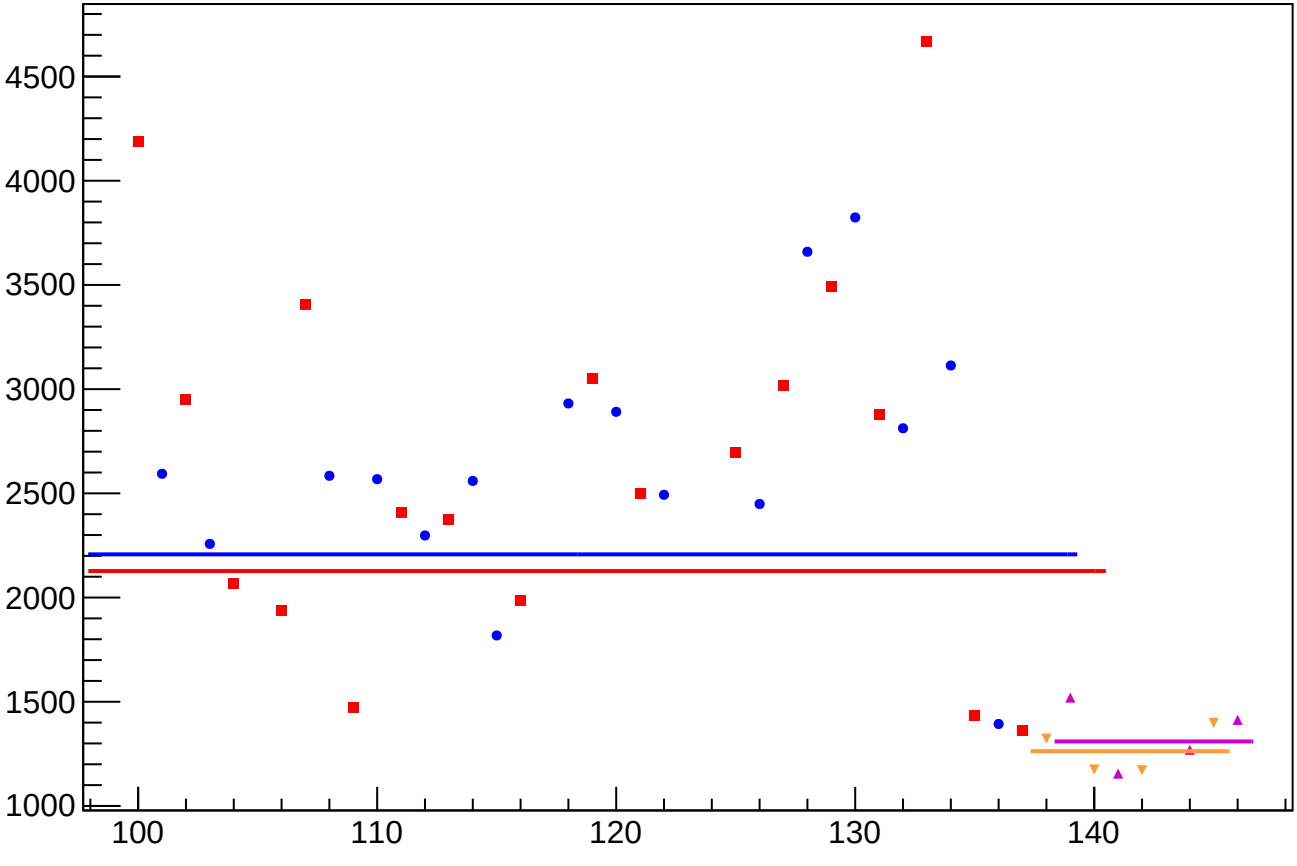
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -393.074+/-544.678 χ^2/NDF:28.8/19

Out: 1058.493+/-559.829 χ^2/NDF:21.3/21

All: 312.801+/-390.392 χ^2/NDF: 53.6/41

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1262.679+/-0.531 χ^2/NDF:32988.5/3

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1309.415+/-0.497 χ^2/NDF:75097.7/3

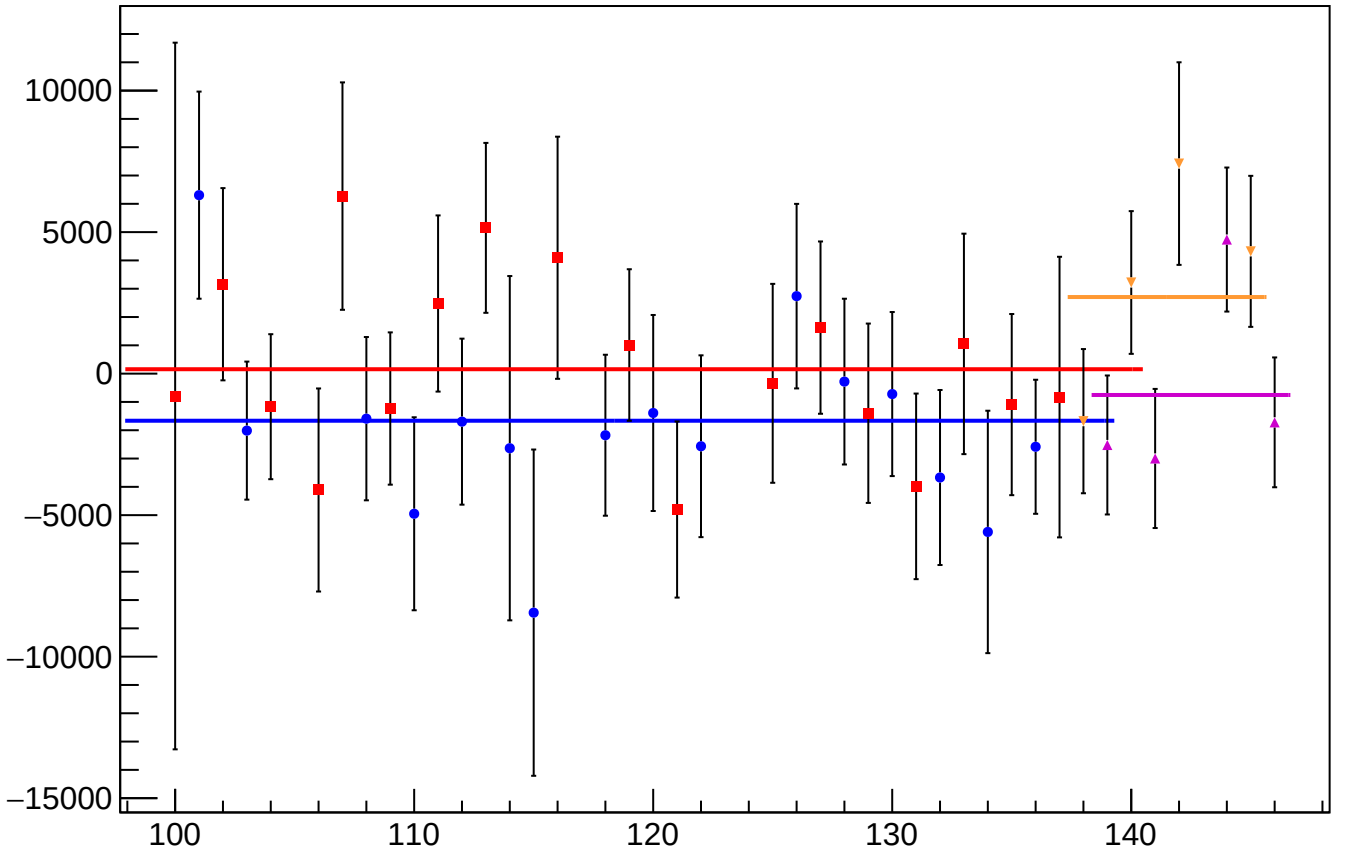
Left: 1287.592+/-0.363 χ^2/NDF: 112219.4/7

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1667.547+/-0.385 χ^2/NDF:2627385.7/19

Out: 1646.306+/-0.396 χ^2/NDF:2668367.9/21

All: 1657.218+/-0.276 χ^2/NDF: 5297232.8/41



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2706.397+/-1373.700 χ^2/NDF:5.1/3

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -754.325+/-1216.254 χ^2/NDF:6.2/3

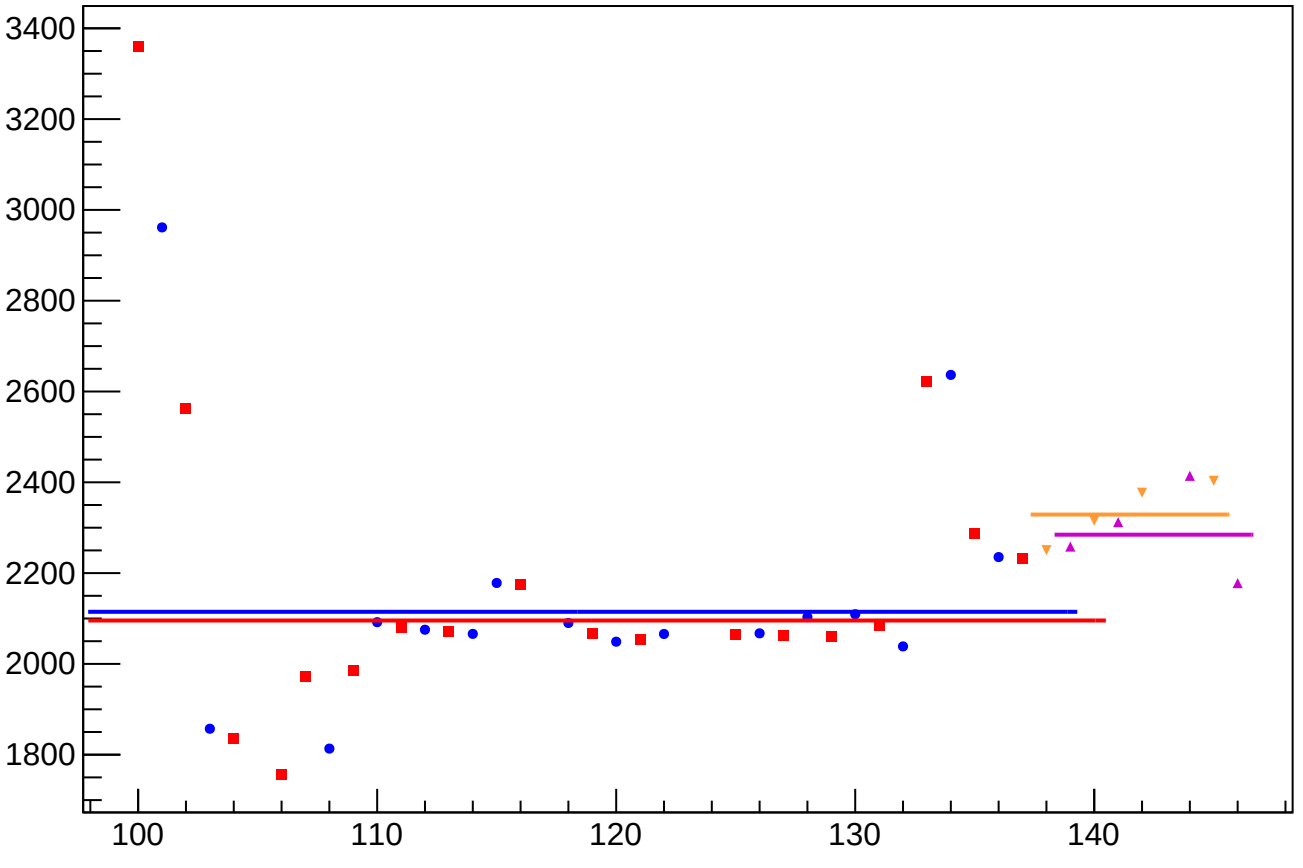
Left: 766.431+/-910.622 χ^2/NDF: 14.9/7

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1393.210+/-663.786 χ^2/NDF:17.4/19

Out: 784.235+/-681.880 χ^2/NDF:21.9/21

All: -333.760+/-475.636 χ^2/NDF: 44.5/41



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2328.945+/-0.971 χ^2/NDF:3864.8/3

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

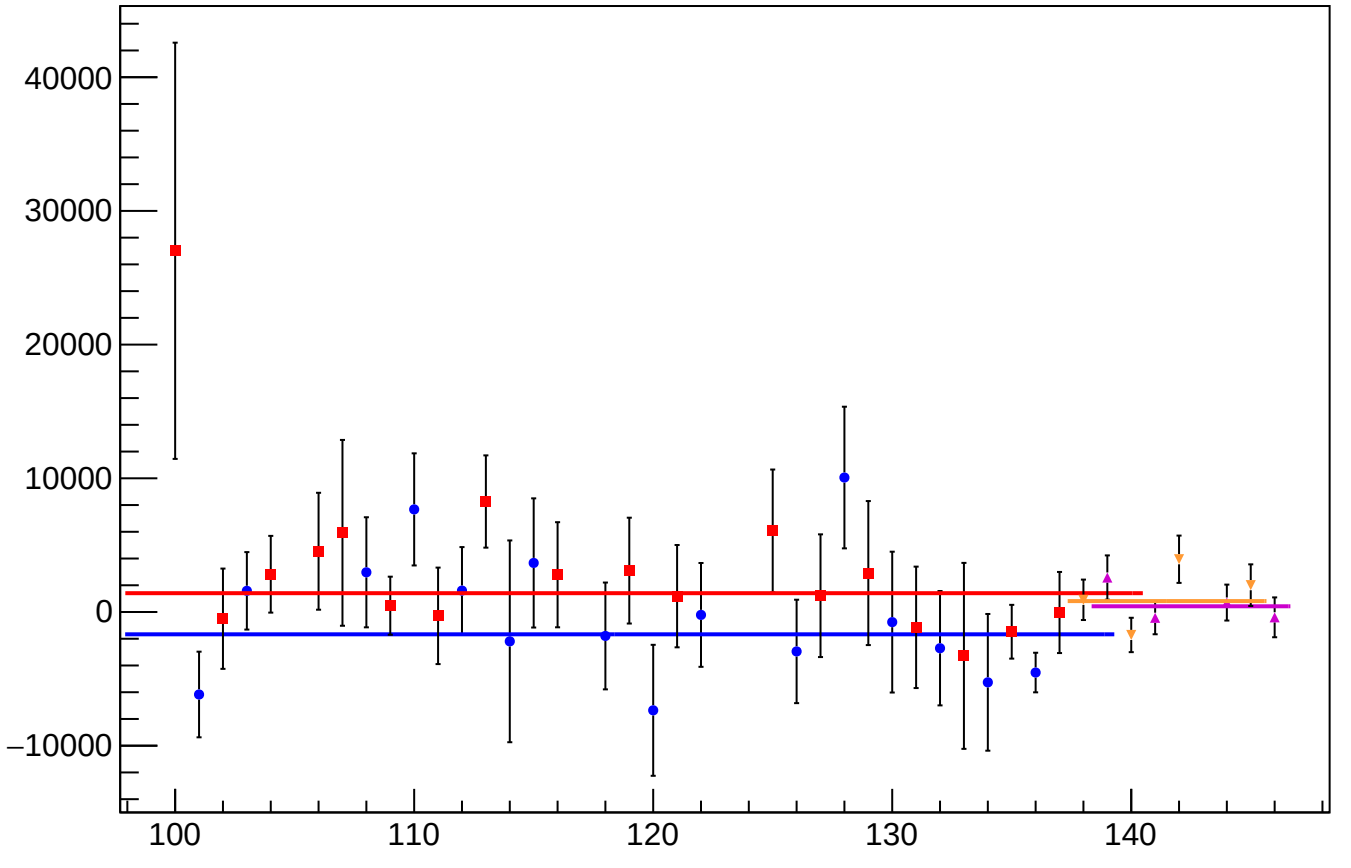
Left: 2304.097+/-0.644 χ^2/NDF: 15033.4/7

Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2165.350+/-0.469 χ^2/NDF:227312.8/19

Out: 2153.092+/-0.482 χ^2/NDF:196716.5/21

All: 2159.386+/-0.336 χ^2/NDF: 424361.1/41



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: 816.363+/-750.623 χ^2/NDF:7.6/3

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 428.002+/-702.517 χ^2/NDF:2.5/3

Left: 609.340+/-512.919 χ^2/NDF: 10.3/7

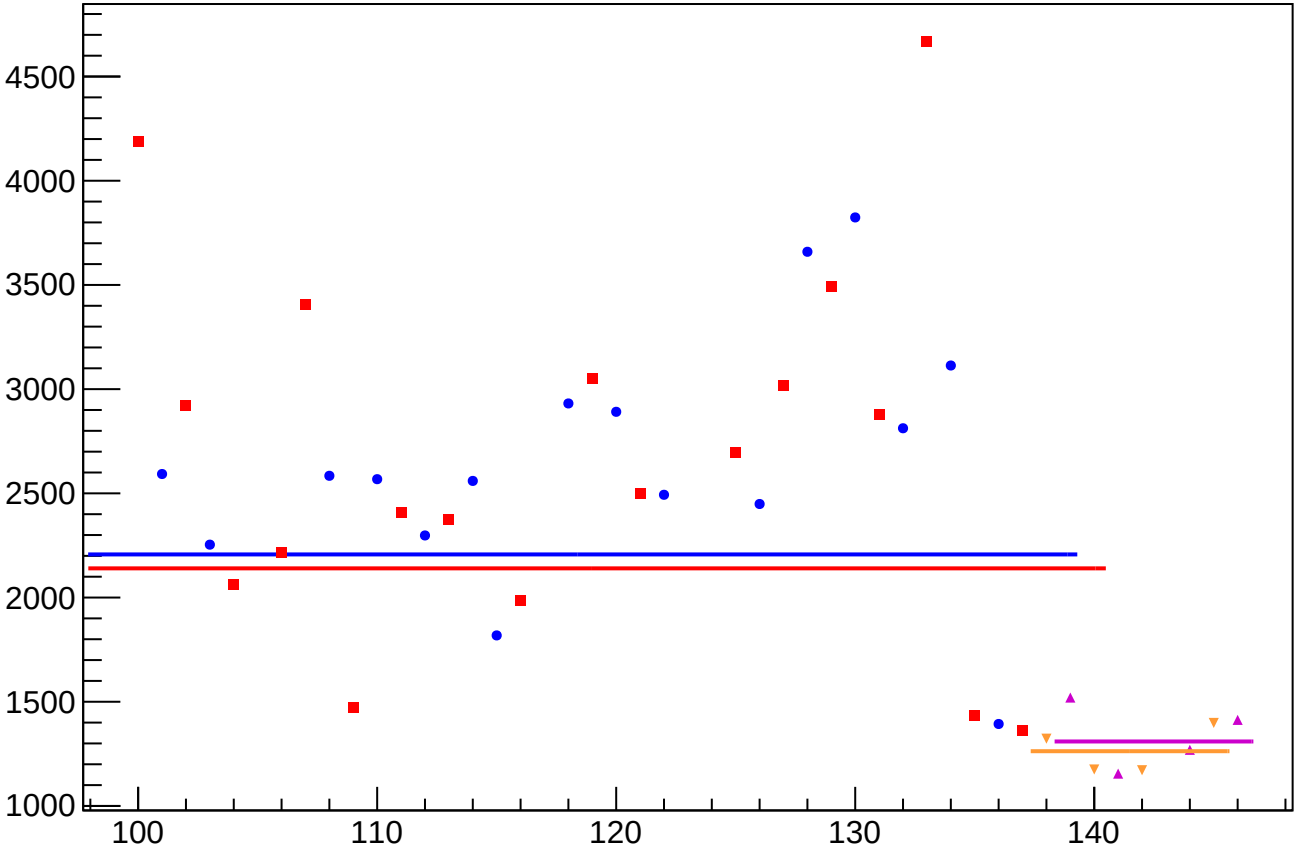
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -408.582+/-544.602 χ^2/NDF:28.6/19

Out: 1076.586+/-561.788 χ^2/NDF:20.8/21

All: 310.938+/-391.027 χ^2/NDF: 53.0/41

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1262.706+/-0.531 χ^2/NDF:32975.2/3

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1309.403+/-0.497 χ^2/NDF:75117.4/3

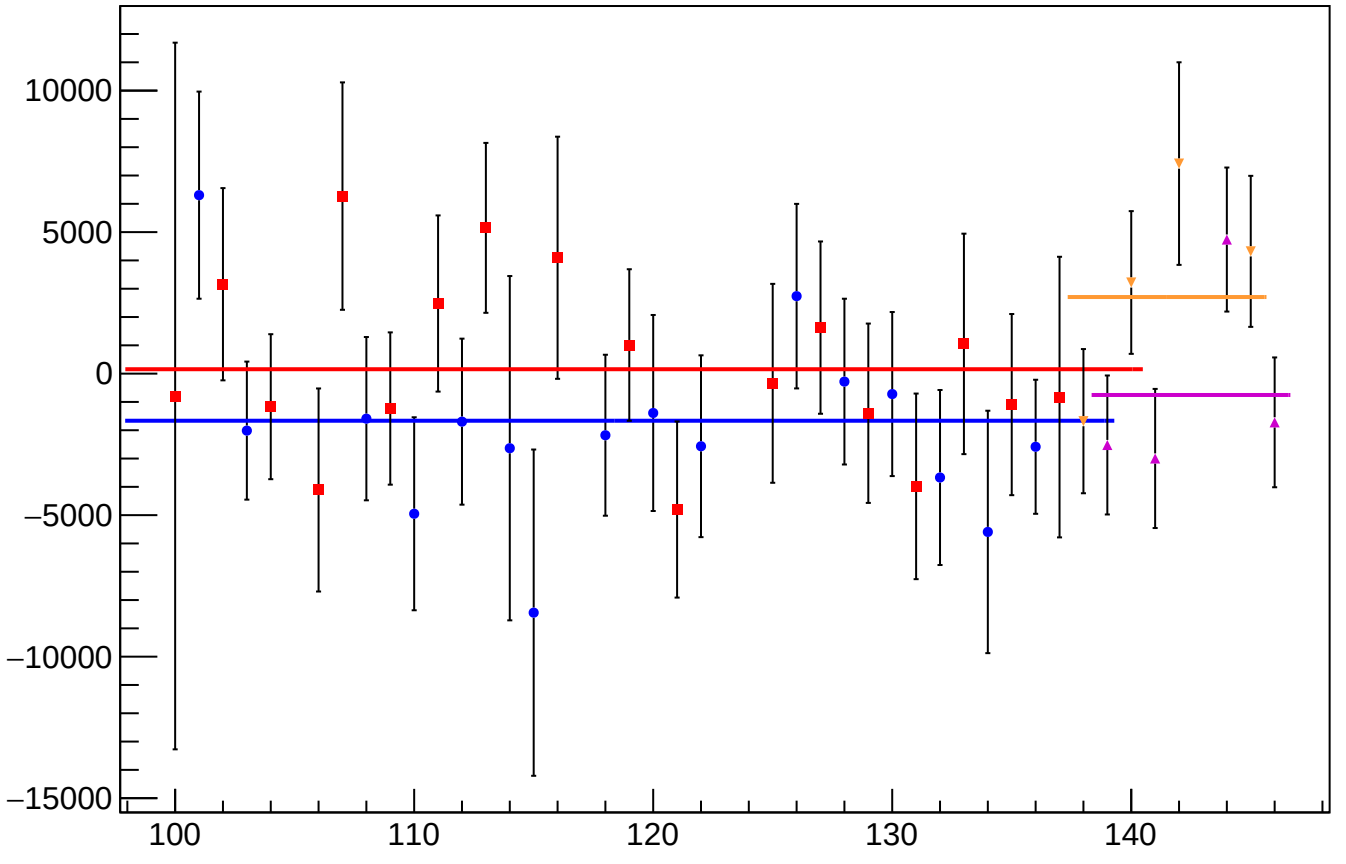
Left: 1287.599+/-0.363 χ^2/NDF: 112218.9/7

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1667.548+/-0.385 χ^2/NDF:2626758.5/19

Out: 1648.613+/-0.397 χ^2/NDF:2683175.1/21

All: 1658.375+/-0.276 χ^2/NDF: 5311104.9/41



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 2706.397+/-1373.700 χ^2/NDF:5.1/3

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -754.325+/-1216.254 χ^2/NDF:6.2/3

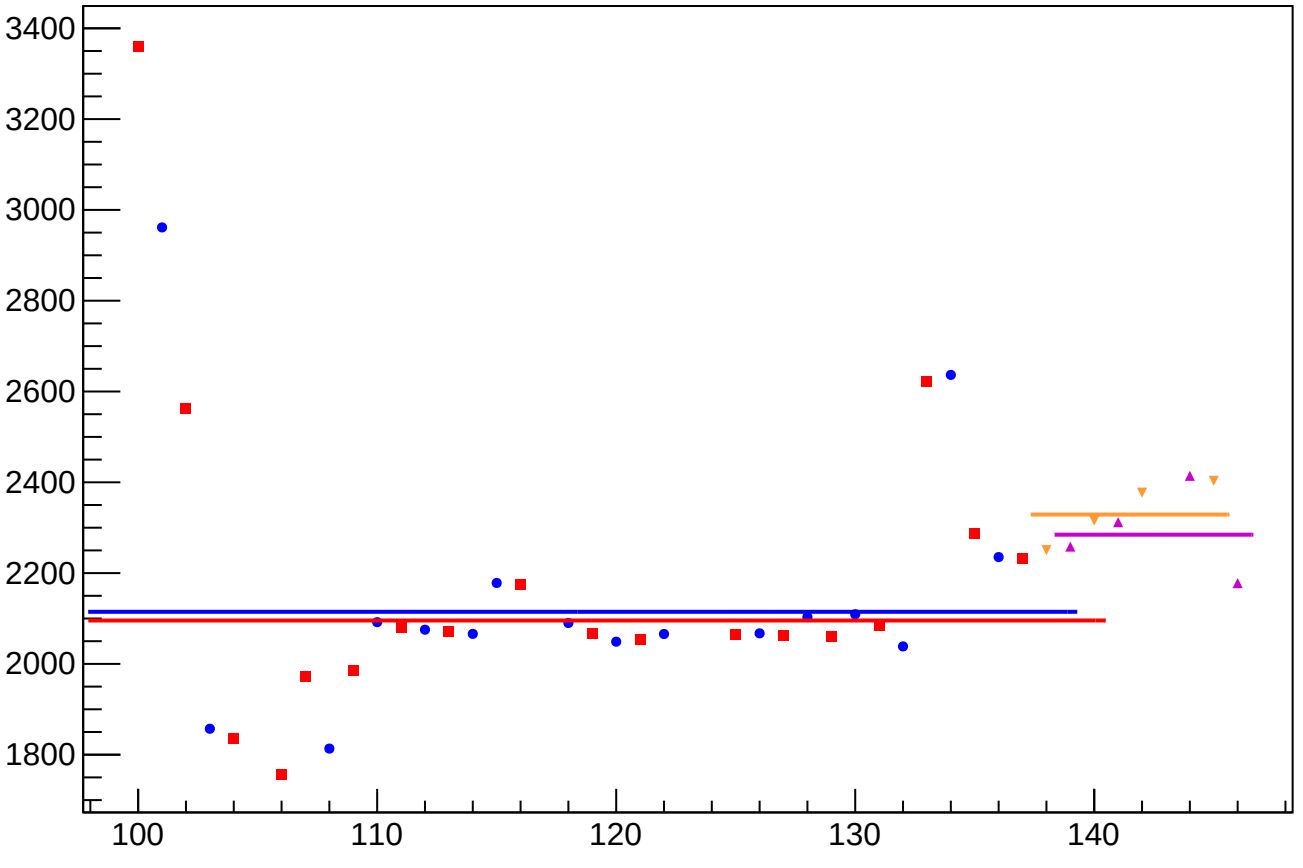
Left: 766.431+/-910.622 χ^2/NDF: 14.9/7

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1393.210+/-663.786 χ^2/NDF:17.4/19

Out: 784.235+/-681.880 χ^2/NDF:21.9/21

All: -333.760+/-475.636 χ^2/NDF: 44.5/41



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2328.945+/-0.971 χ^2/NDF:3864.8/3

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

Left: 2304.097+/-0.644 χ^2/NDF: 15033.4/7

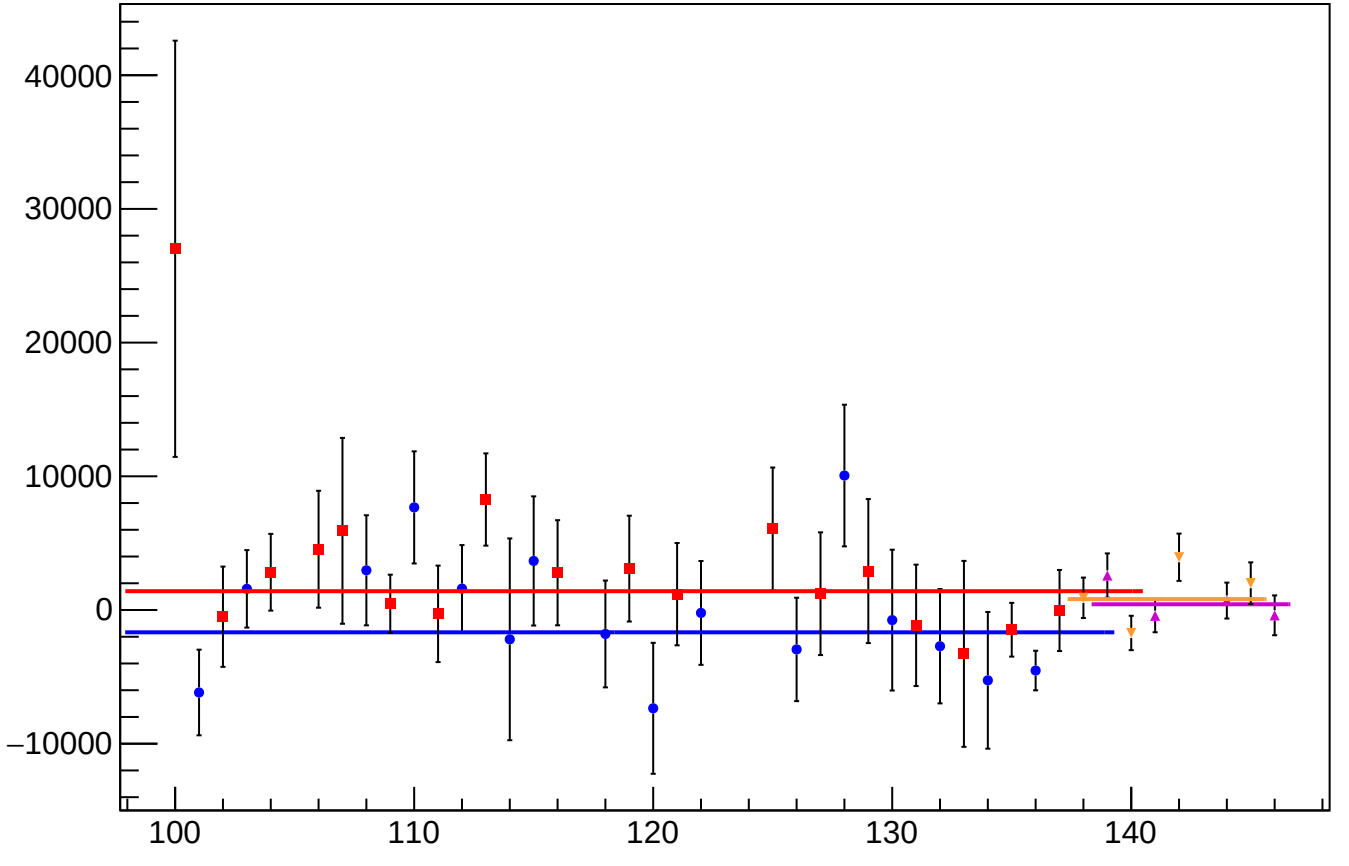
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2165.350+/-0.469 χ^2/NDF:227312.8/19

Out: 2153.092+/-0.482 χ^2/NDF:196716.5/21

All: 2159.386+/-0.336 χ^2/NDF: 424361.1/41

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: 816.363+/-750.623 χ^2/NDF:7.6/3

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 428.002+/-702.517 χ^2/NDF:2.5/3

Left: 609.340+/-512.919 χ^2/NDF: 10.3/7

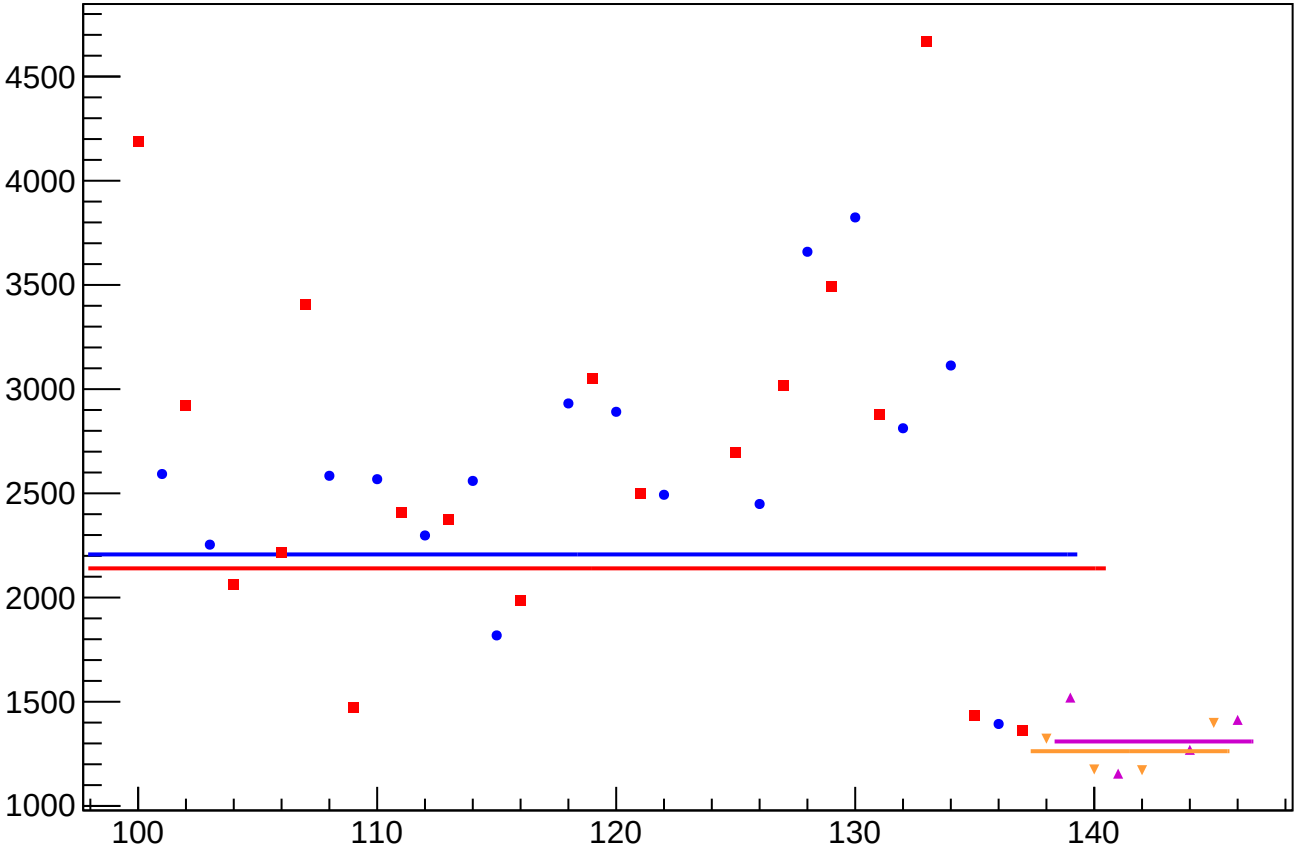
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -408.582+/-544.602 χ^2/NDF:28.6/19

Out: 1076.586+/-561.788 χ^2/NDF:20.8/21

All: 310.938+/-391.027 χ^2/NDF: 53.0/41

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1262.706+/-0.531 χ^2/NDF:32975.2/3

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1309.403+/-0.497 χ^2/NDF:75117.4/3

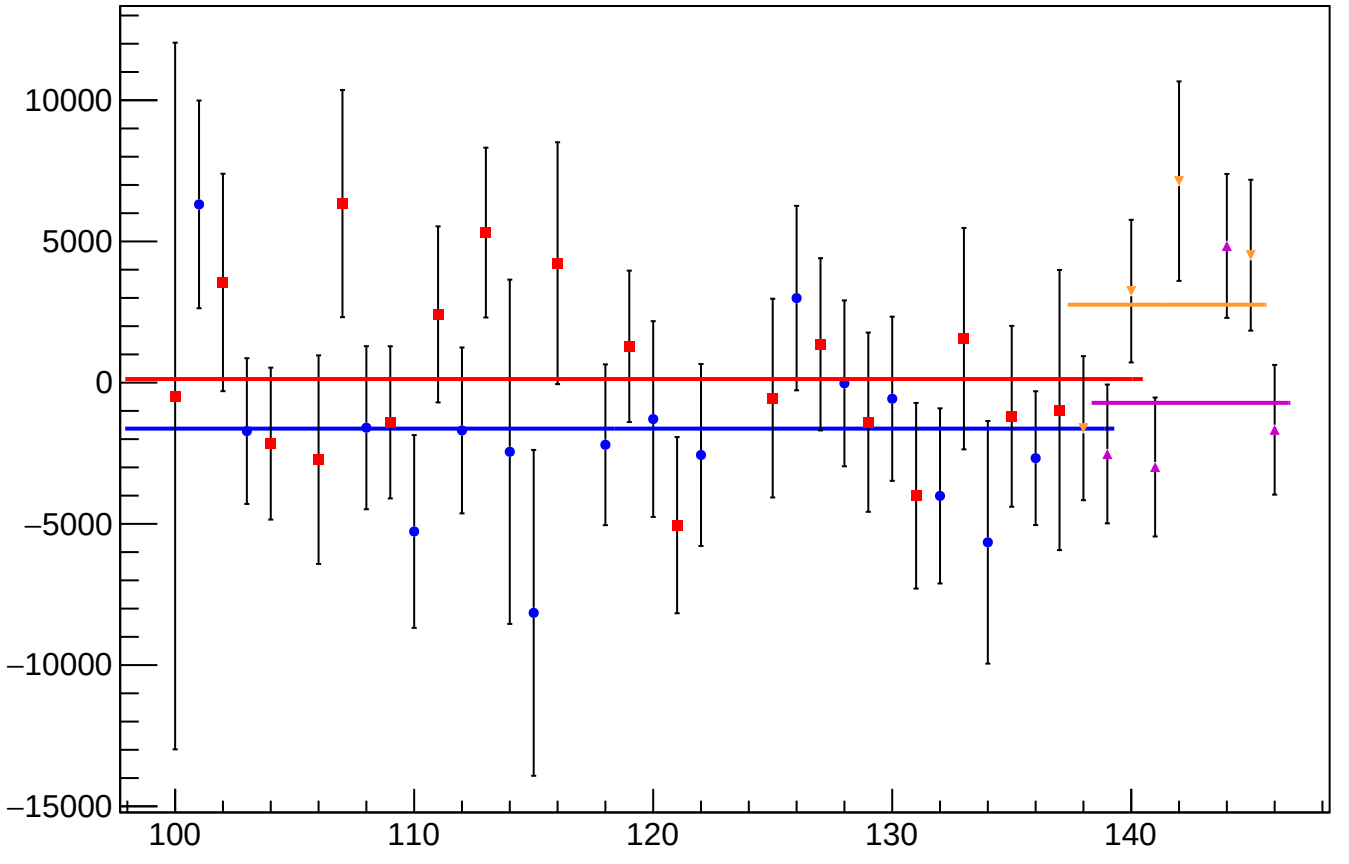
Left: 1287.599+/-0.363 χ^2/NDF: 112218.9/7

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1667.548+/-0.385 χ^2/NDF:2626758.5/19

Out: 1648.613+/-0.397 χ^2/NDF:2683175.1/21

All: 1658.375+/-0.276 χ^2/NDF: 5311104.9/41



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 2759.389+/-1372.255 χ^2/NDF:4.9/3

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -714.708+/-1217.650 χ^2/NDF:6.3/3

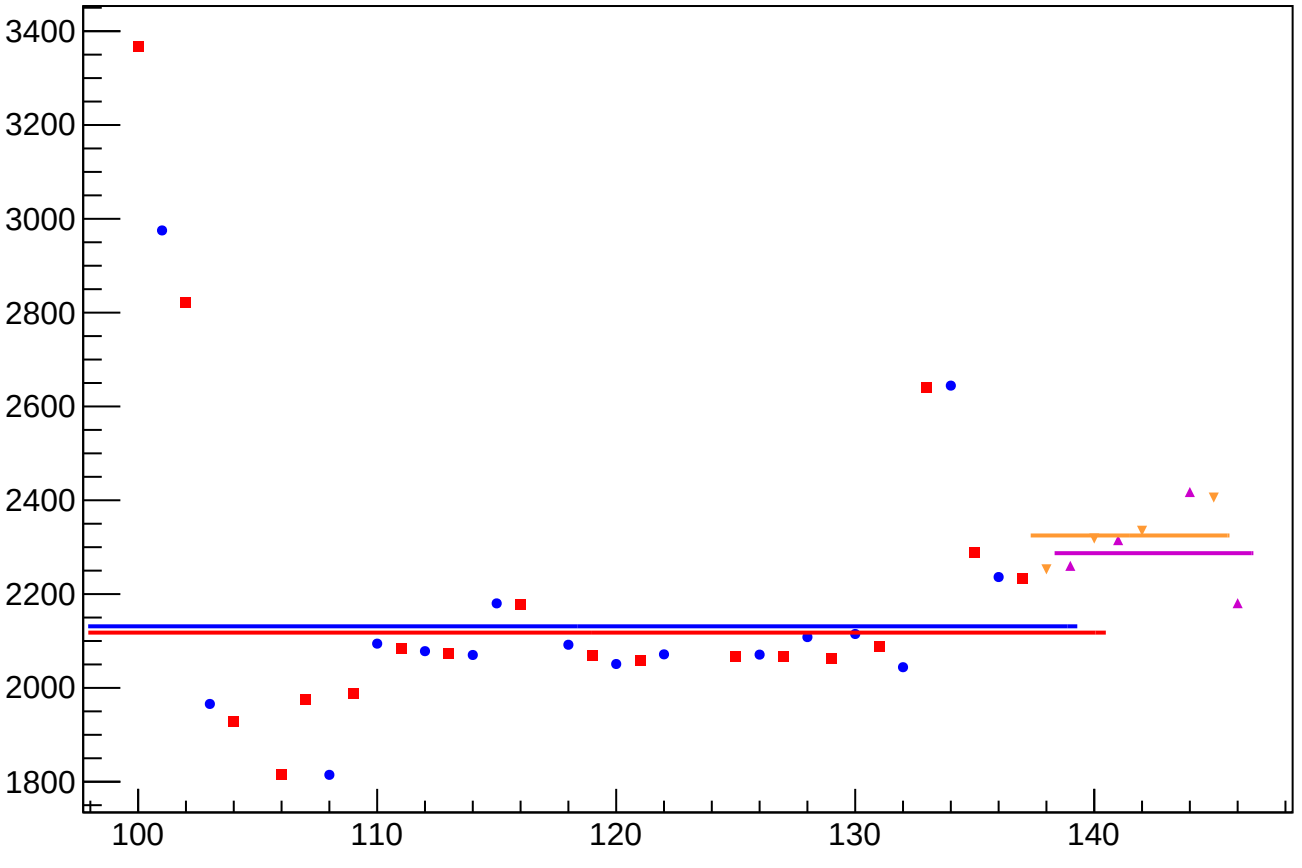
Left: 815.690+/-910.785 χ^2/NDF: 14.8/7

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1353.358+/-667.419 χ^2/NDF:18.0/19

Out: 790.440+/-688.479 χ^2/NDF:22.2/21

All: -314.750+/-479.209 χ^2/NDF: 45.3/41



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2324.950+/-0.970 χ^2/NDF:3461.3/3

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2287.216+/-0.861 χ^2/NDF:10043.7/3

Left: 2303.838+/-0.644 χ^2/NDF: 14351.0/7

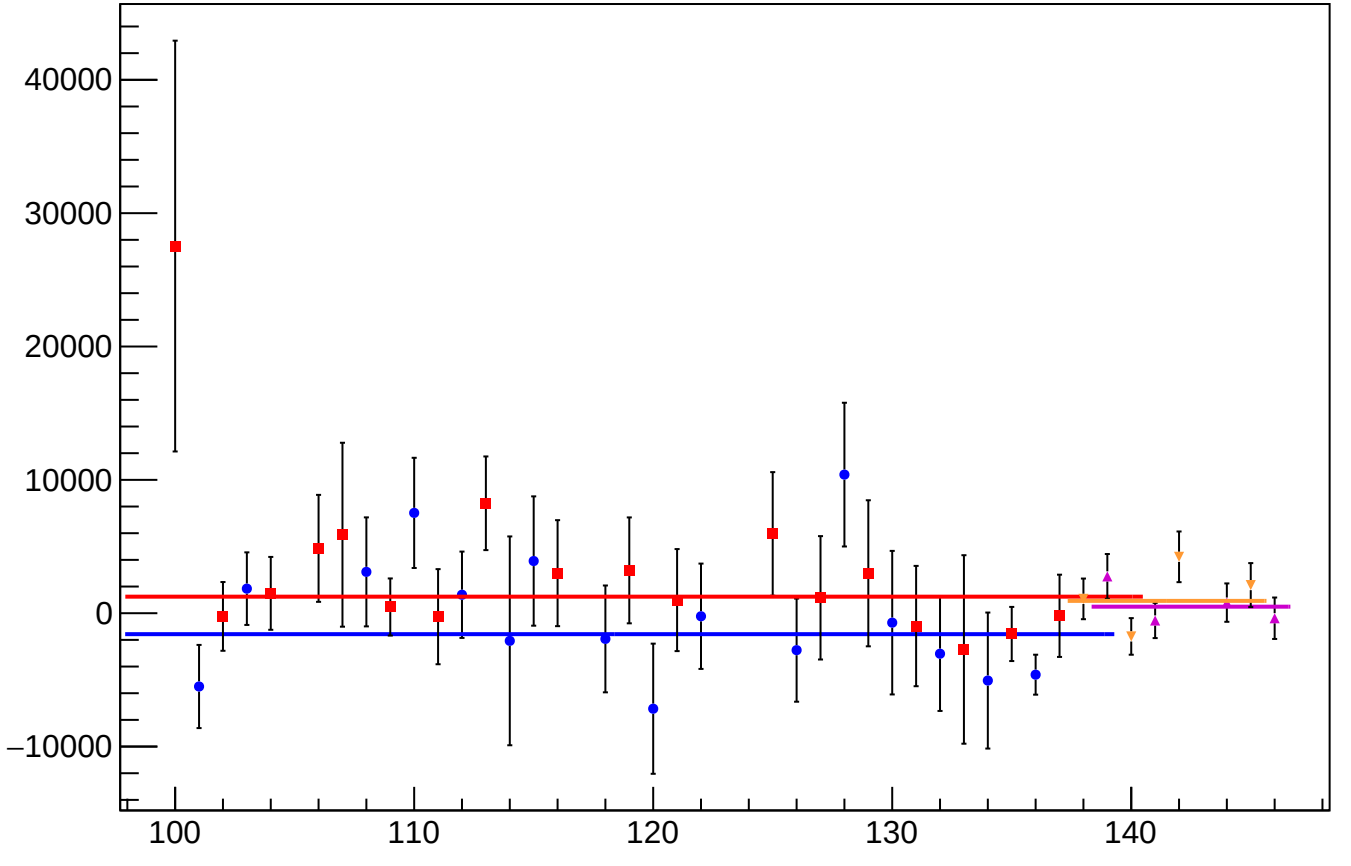
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2178.142+/-0.472 χ^2/NDF:208927.6/19

Out: 2169.993+/-0.487 χ^2/NDF:201165.0/21

All: 2174.194+/-0.339 χ^2/NDF: 410237.1/41

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: 924.640+/-789.050 χ^2/NDF:7.3/3

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 490.096+/-739.970 χ^2/NDF:2.8/3

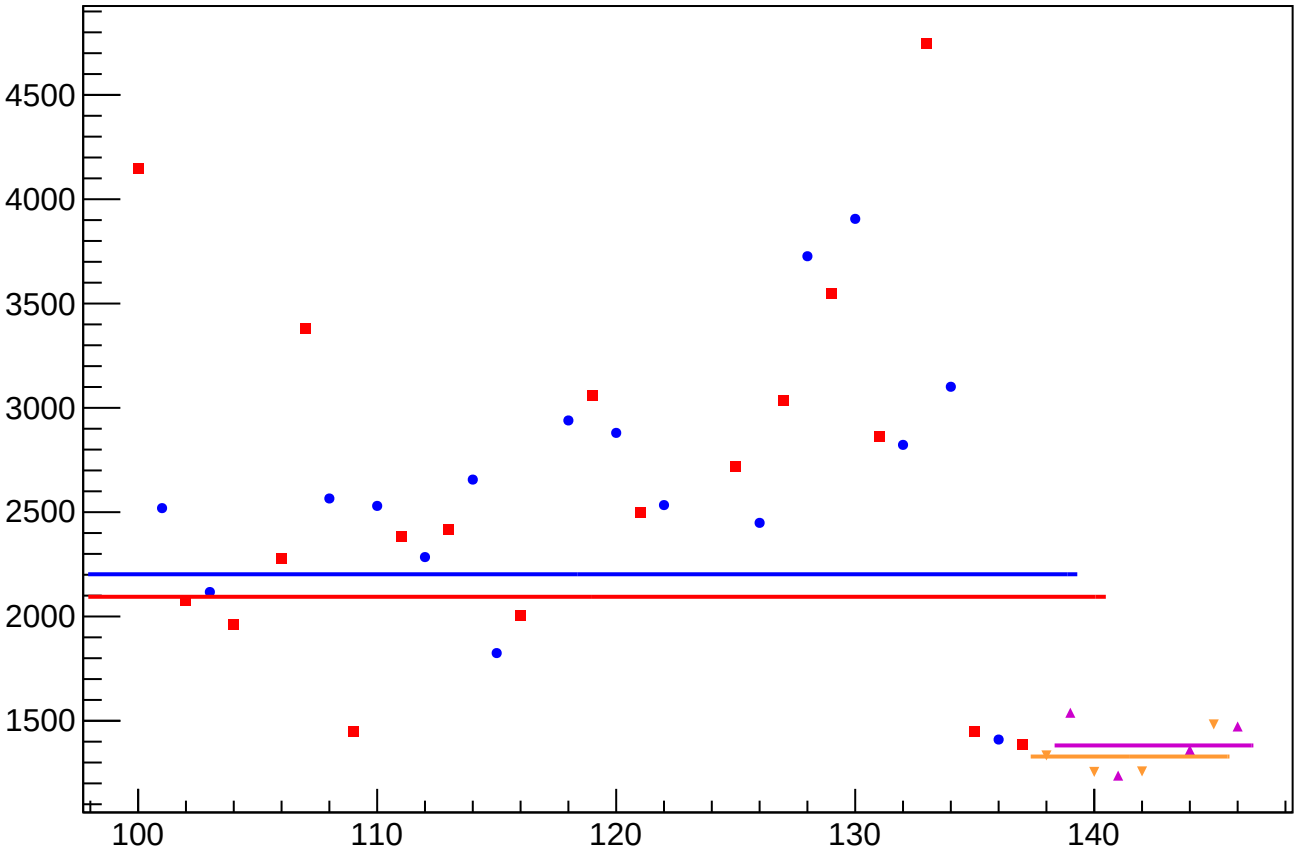
Left: 693.434+/-539.755 χ^2/NDF: 10.3/7

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -387.013+/-560.846 χ^2/NDF:28.7/19

Out: 1076.784+/-568.494 χ^2/NDF:20.5/21

All: 334.973+/-399.255 χ^2/NDF: 52.5/41



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1328.701+/-0.558 χ^2/NDF:26034.3/3

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1381.875+/-0.523 χ^2/NDF:48752.6/3

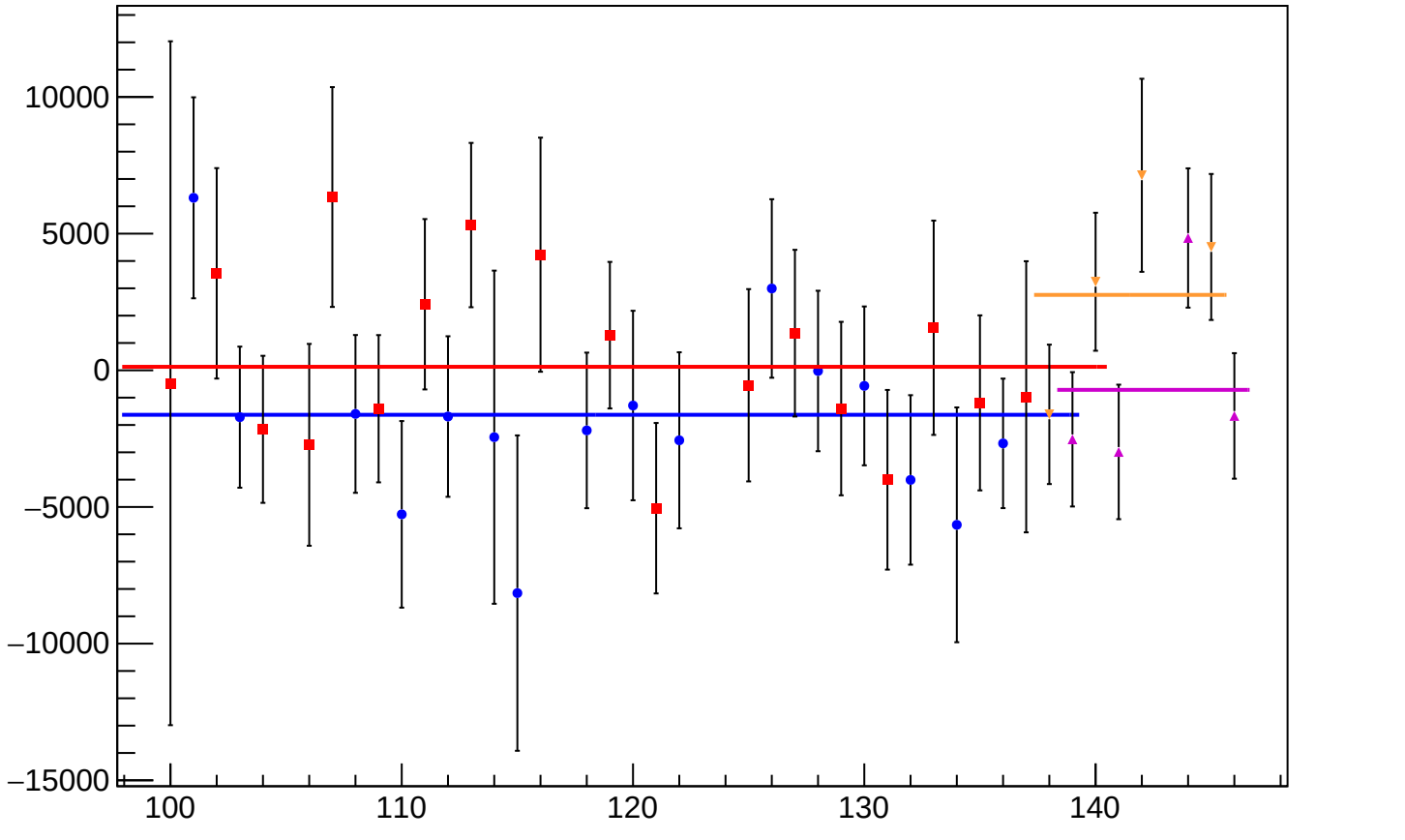
Left: 1356.993+/-0.382 χ^2/NDF: 79619.4/7

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1731.031+/-0.397 χ^2/NDF:2318130.6/19

Out: 1696.954+/-0.402 χ^2/NDF:2305550.3/21

All: 1714.224+/-0.282 χ^2/NDF: 4627322.8/41



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 2759.398+/-1372.255 χ^2/NDF:4.9/3

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -714.694+/-1217.650 χ^2/NDF:6.3/3

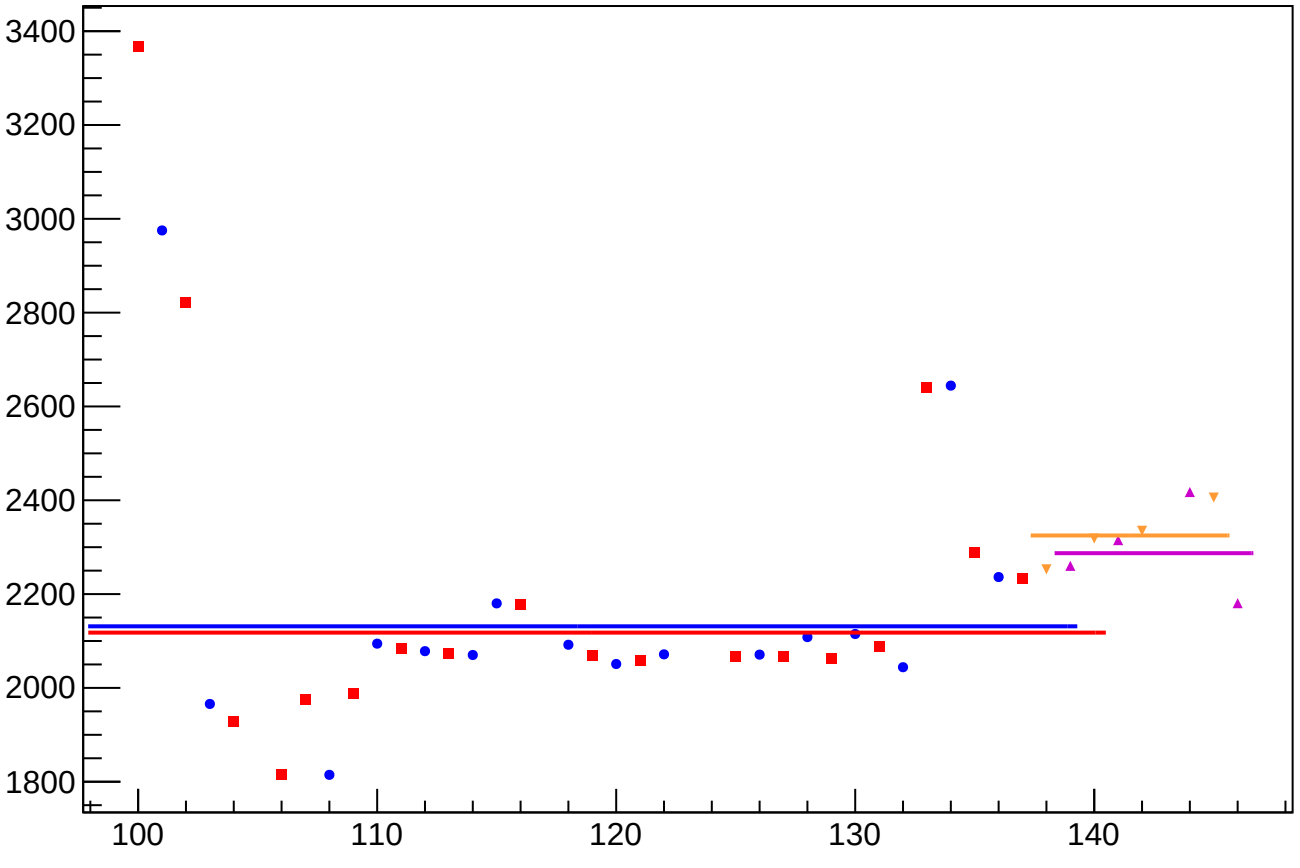
Left: 815.701+/-910.785 χ^2/NDF: 14.8/7

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -1353.356+/-667.419 χ^2/NDF:18.0/19

Out: 790.437+/-688.479 χ^2/NDF:22.2/21

All: -314.750+/-479.209 χ^2/NDF: 45.3/41



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2324.950+/-0.970 χ^2/NDF:3461.3/3

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2287.216+/-0.861 χ^2/NDF:10043.7/3

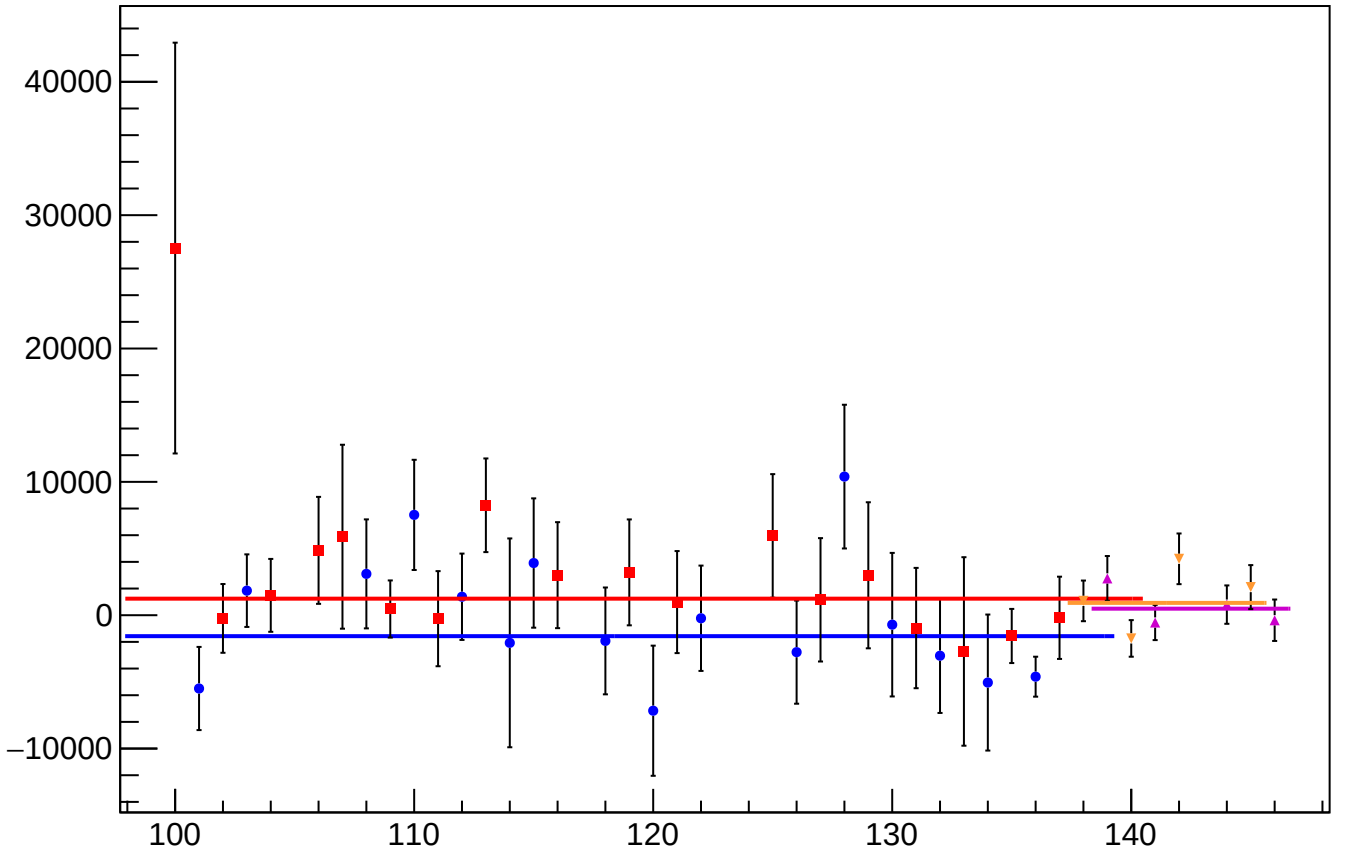
Left: 2303.839+/-0.644 χ^2/NDF: 14351.0/7

Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2178.142+/-0.472 χ^2/NDF:208927.6/19

Out: 2169.993+/-0.487 χ^2/NDF:201165.0/21

All: 2174.194+/-0.339 χ^2/NDF: 410237.1/41



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: 924.650+/-789.055 χ^2/NDF:7.3/3

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 490.091+/-739.971 χ^2/NDF:2.8/3

Left: 693.435+/-539.757 χ^2/NDF: 10.3/7

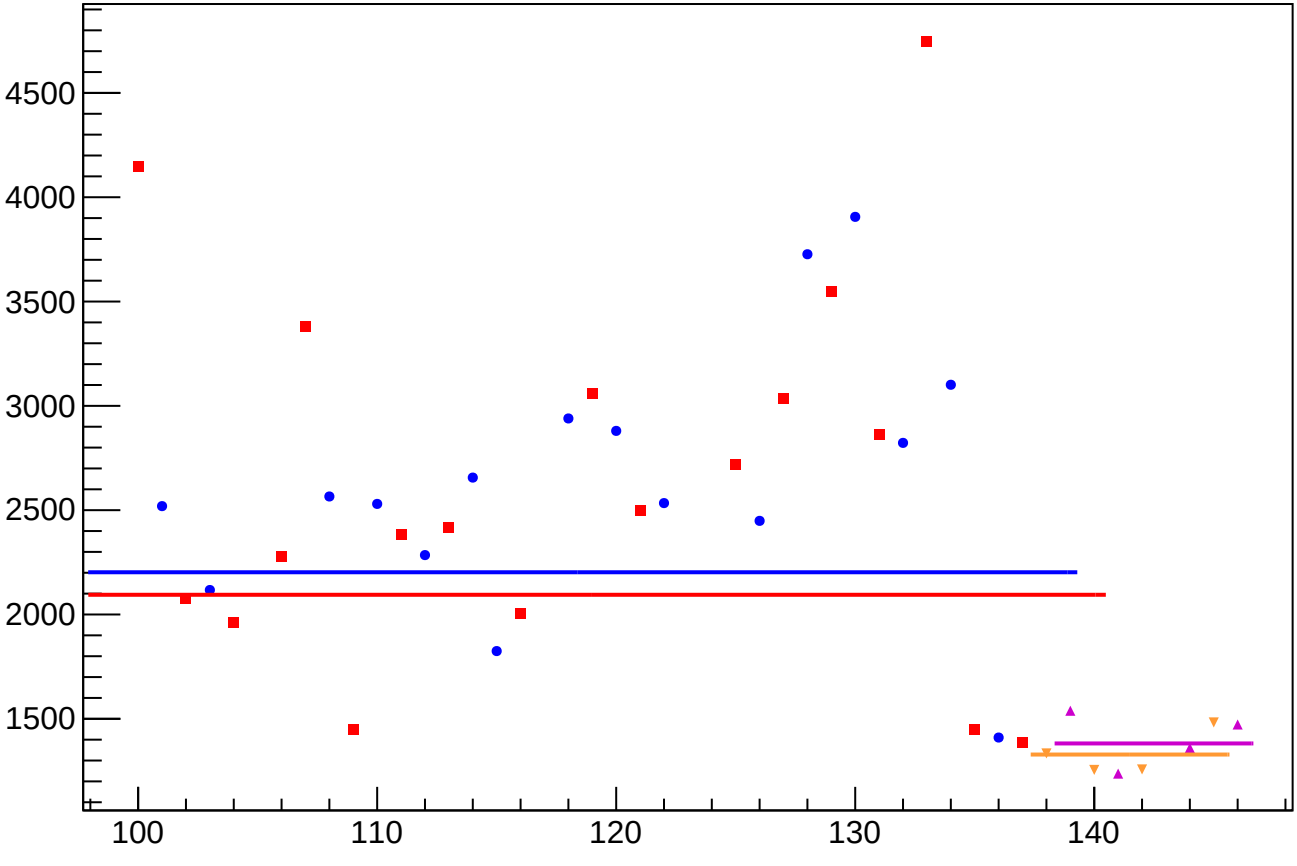
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -387.007+/-560.848 χ^2/NDF:28.7/19

Out: 1076.797+/-568.497 χ^2/NDF:20.5/21

All: 334.980+/-399.256 χ^2/NDF: 52.5/41

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: 1328.710+/-0.558 χ^2/NDF:26033.1/3

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1381.877+/-0.523 χ^2/NDF:48754.5/3

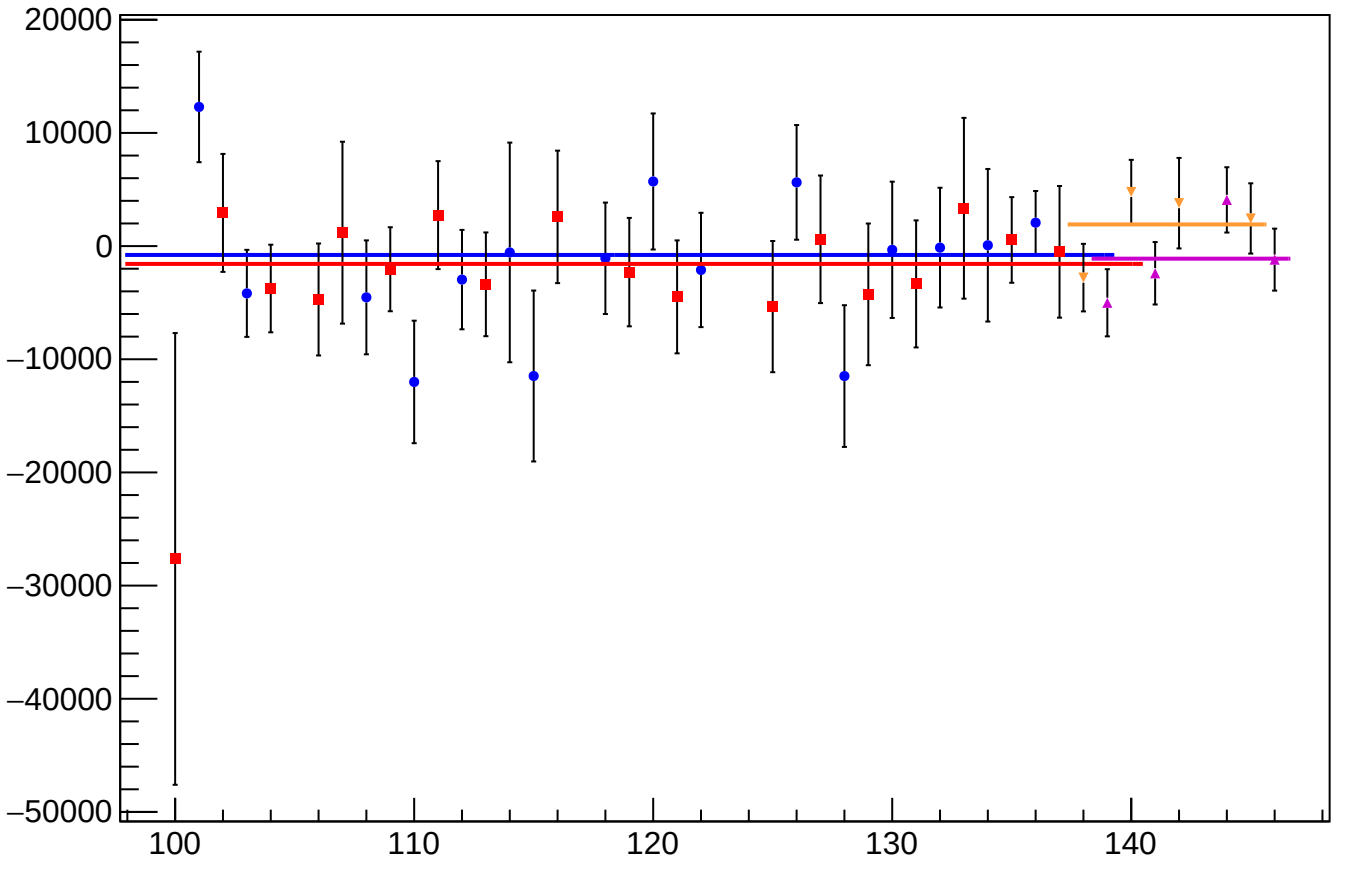
Left: 1356.998+/-0.382 χ^2/NDF: 79618.8/7

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1731.037+/-0.397 χ^2/NDF:2318094.5/19

Out: 1696.966+/-0.402 χ^2/NDF:2305499.4/21

All: 1714.232+/-0.282 χ^2/NDF: 4627234.4/41



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1915.642+/-1576.073 χ^2/NDF:3.7/3

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1111.039+/-1416.377 χ^2/NDF:5.2/3

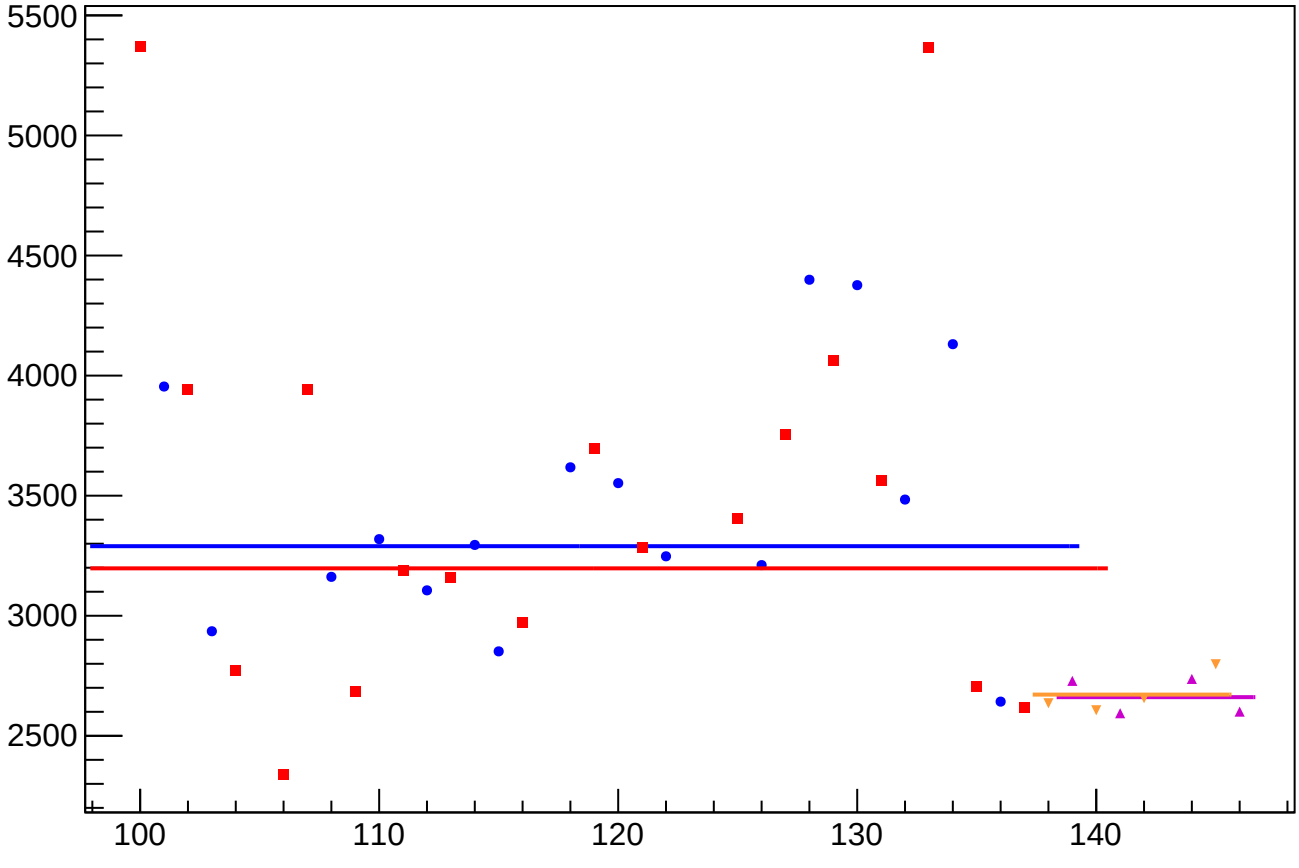
Left: 241.237+/-1053.479 χ^2/NDF: 11.0/7

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -924.776+/-933.705 χ^2/NDF:27.1/19

Out: -268.299+/-964.224 χ^2/NDF:13.5/21

All: -607.091+/-670.759 χ^2/NDF: 40.9/41



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2671.703+/-1.114 χ^2/NDF:4688.5/3

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2661.035+/-1.002 χ^2/NDF:4577.0/3

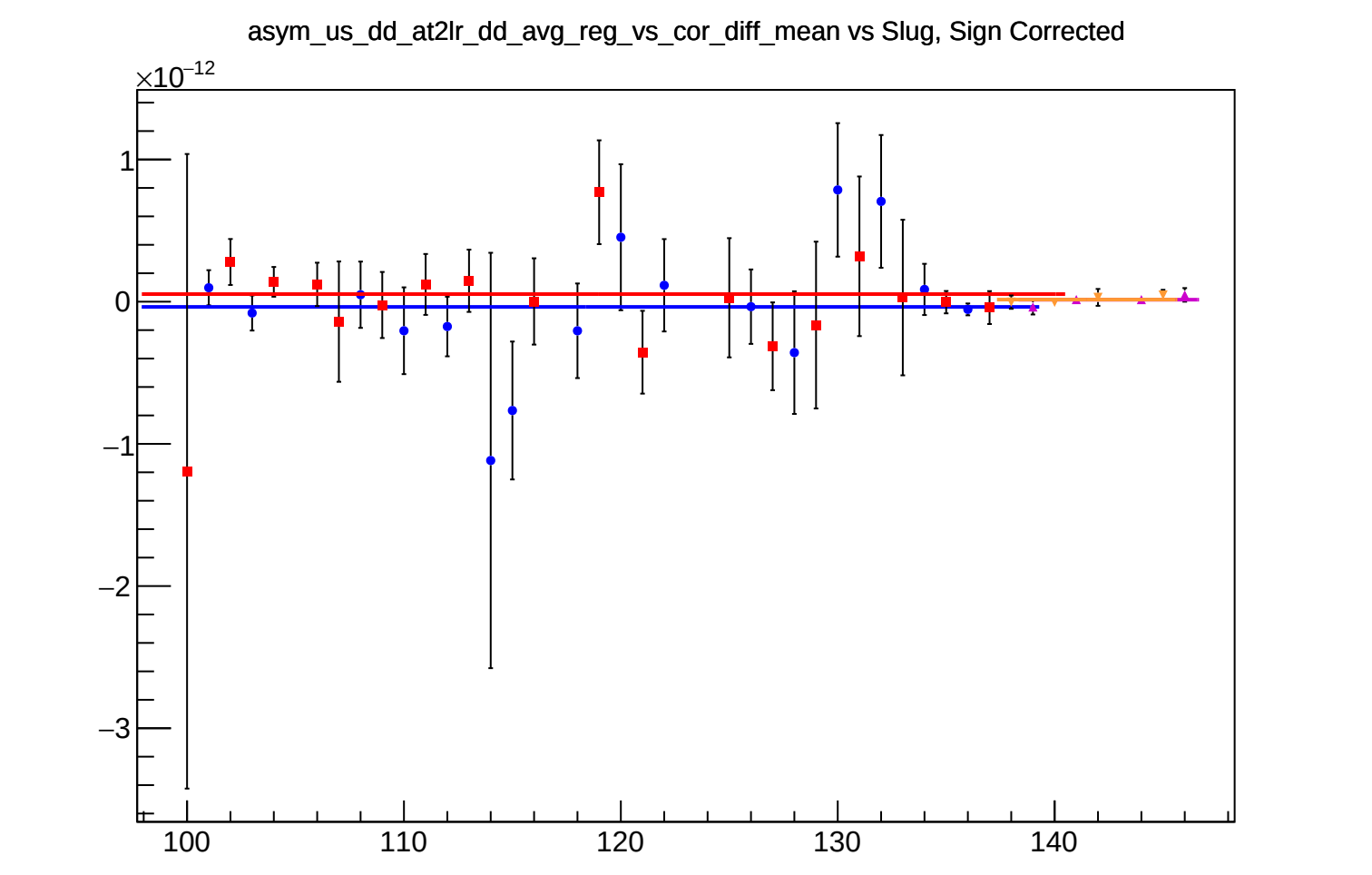
Left: 2665.801+/-0.745 χ^2/NDF: 9316.2/7

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 3016.495+/-0.660 χ^2/NDF:574949.8/19

Out: 3000.627+/-0.682 χ^2/NDF:643838.5/21

All: 3008.816+/-0.474 χ^2/NDF: 1219067.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

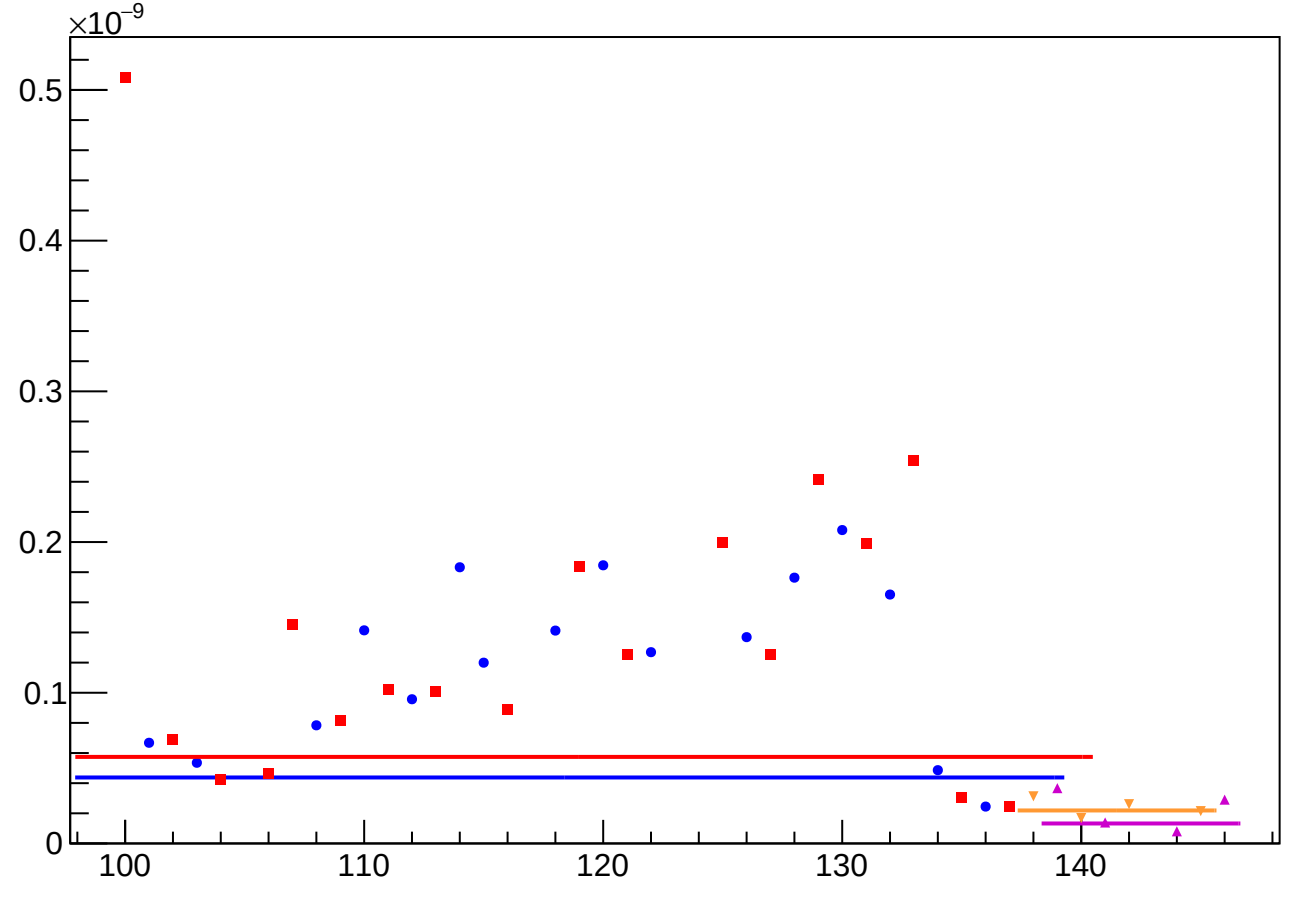
Left: 0.000+/-0.000 χ^2/NDF: 2.8/7

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: 0.000+/-0.000 χ^2/NDF:16.5/19

Out: 0.000+/-0.000 χ^2/NDF:14.6/21

All: 0.000+/-0.000 χ^2/NDF: 31.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:142276.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:777607.9/3

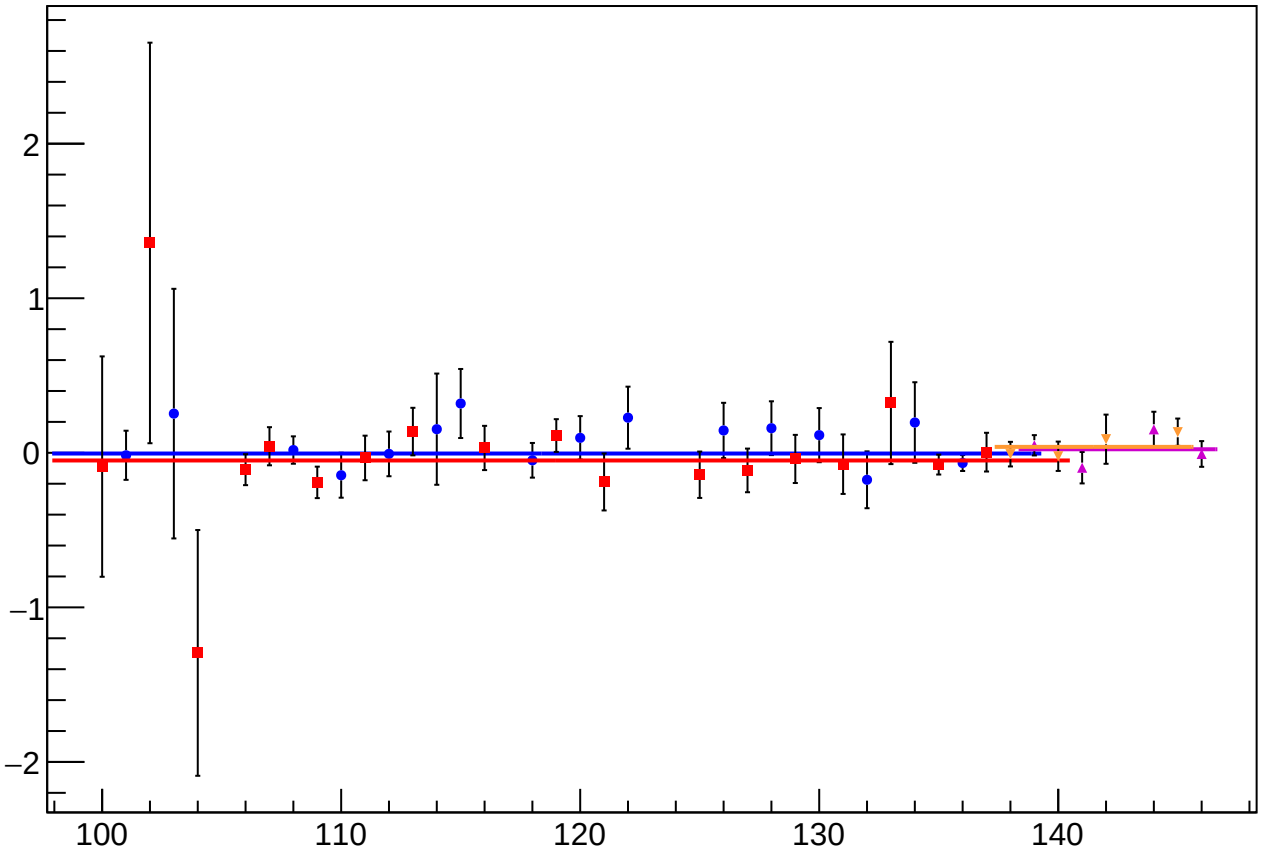
Left: 0.000+/-0.000 χ^2/NDF: 1169569.3/7

Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:4357687.2/19

Out: 0.000+/-0.000 χ^2/NDF:3337122.3/21

All: 0.000+/-0.000 χ^2/NDF: 8137401.8/41



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: 0.038+/-0.048 χ^2/NDF:2.0/3

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.023+/-0.043 χ^2/NDF:3.0/3

Left: 0.030+/-0.032 χ^2/NDF: 5.0/7

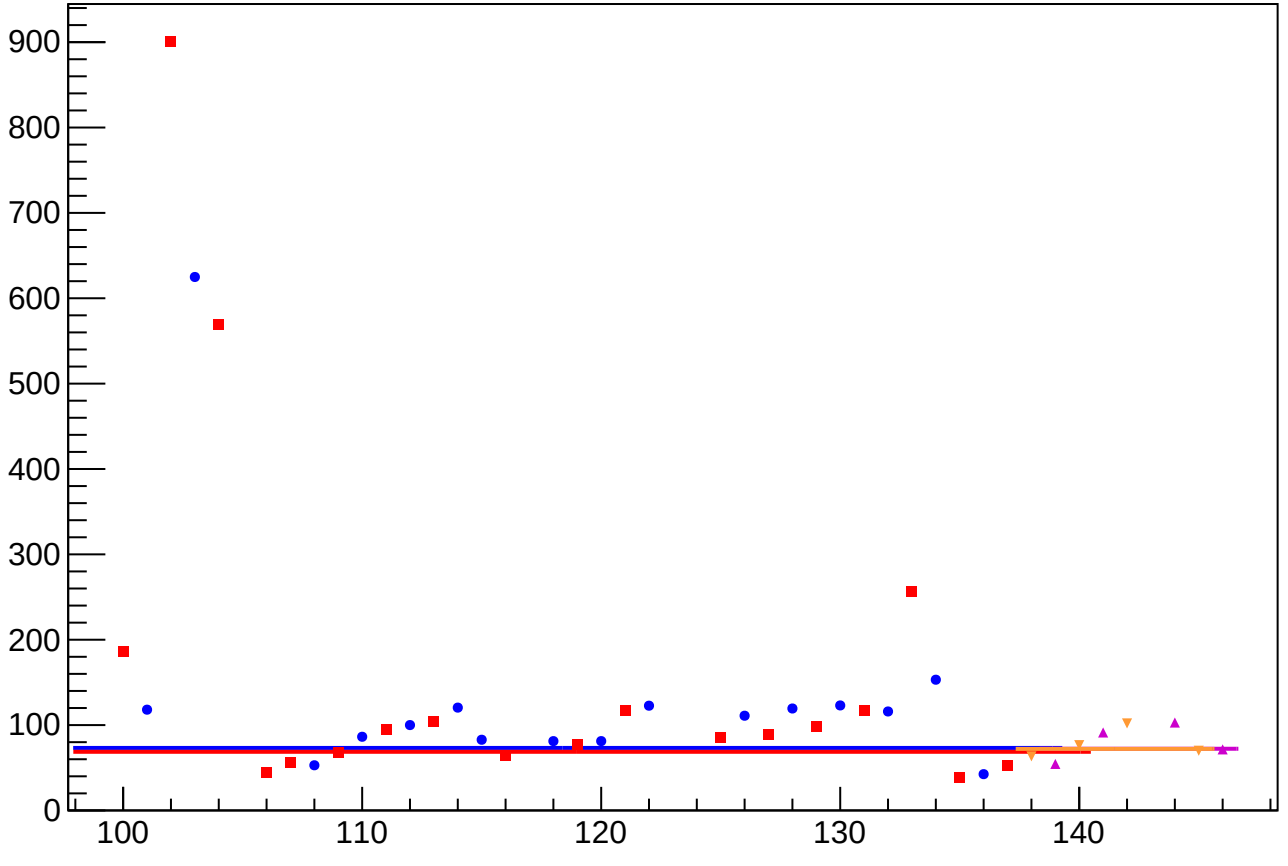
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.005+/-0.026 χ^2/NDF:13.5/19

Out: -0.023+/-0.026 χ^2/NDF:17.4/21

All: -0.008+/-0.018 χ^2/NDF: 31.5/41

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: 72.129+/-0.034 χ^2/NDF:99971.2/3

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.278+/-0.030 χ^2/NDF:362674.6/3

Left: 72.212+/-0.022 χ^2/NDF: 462656.6/7

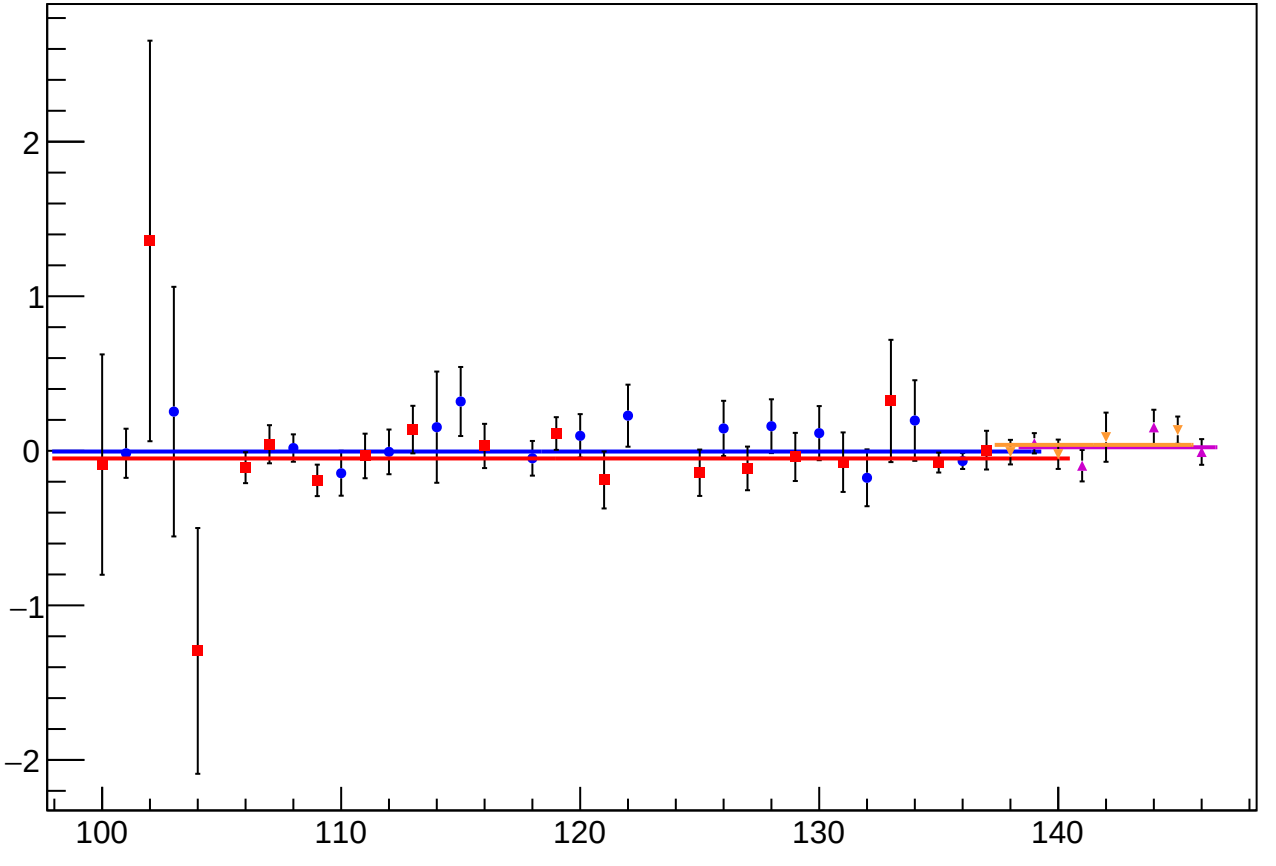
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.887+/-0.018 χ^2/NDF:3217916.8/19

Out: 69.761+/-0.019 χ^2/NDF:3438761.7/21

All: 71.366+/-0.013 χ^2/NDF: 6671065.6/41

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: 0.038+/-0.048 χ^2/NDF:2.0/3

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.023+/-0.043 χ^2/NDF:3.0/3

Left: 0.030+/-0.032 χ^2/NDF: 5.0/7

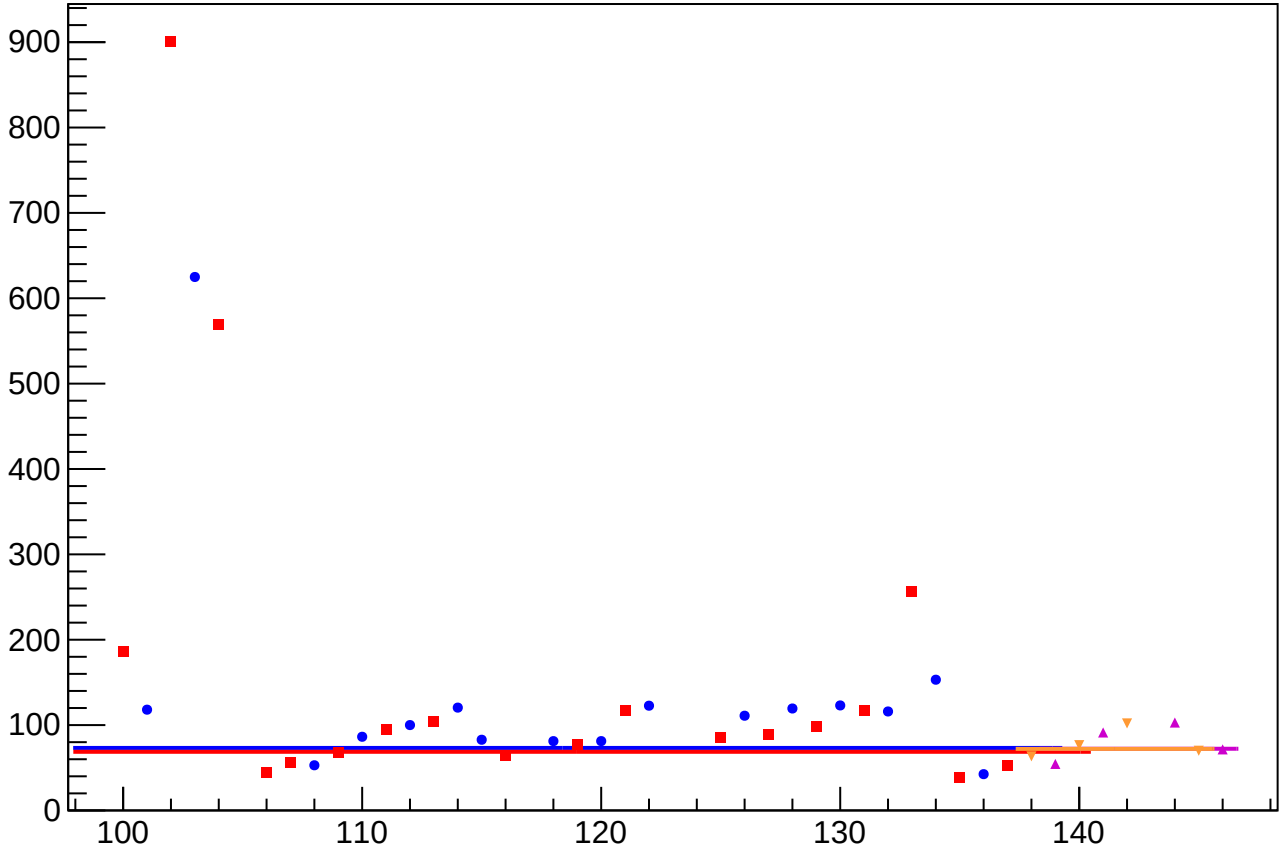
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.005+/-0.026 χ^2/NDF:13.5/19

Out: -0.023+/-0.026 χ^2/NDF:17.4/21

All: -0.008+/-0.018 χ^2/NDF: 31.5/41

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: 72.129+/-0.034 χ^2/NDF:99971.2/3

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.278+/-0.030 χ^2/NDF:362674.6/3

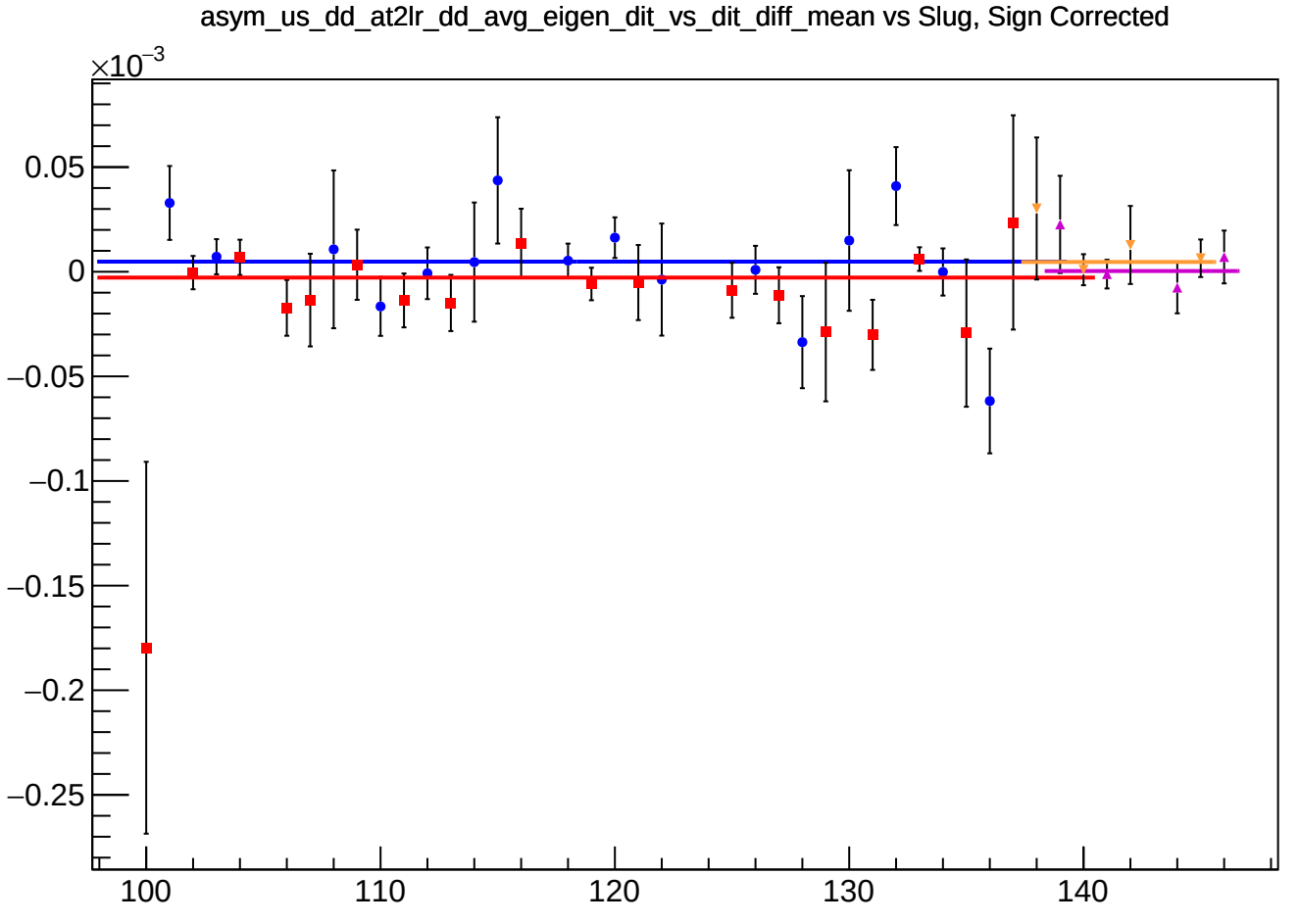
Left: 72.212+/-0.022 χ^2/NDF: 462656.6/7

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.887+/-0.018 χ^2/NDF:3217916.8/19

Out: 69.761+/-0.019 χ^2/NDF:3438761.7/21

All: 71.366+/-0.013 χ^2/NDF: 6671065.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/3

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

Left: 0.000+/-0.000 χ^2/NDF: 3.0/7

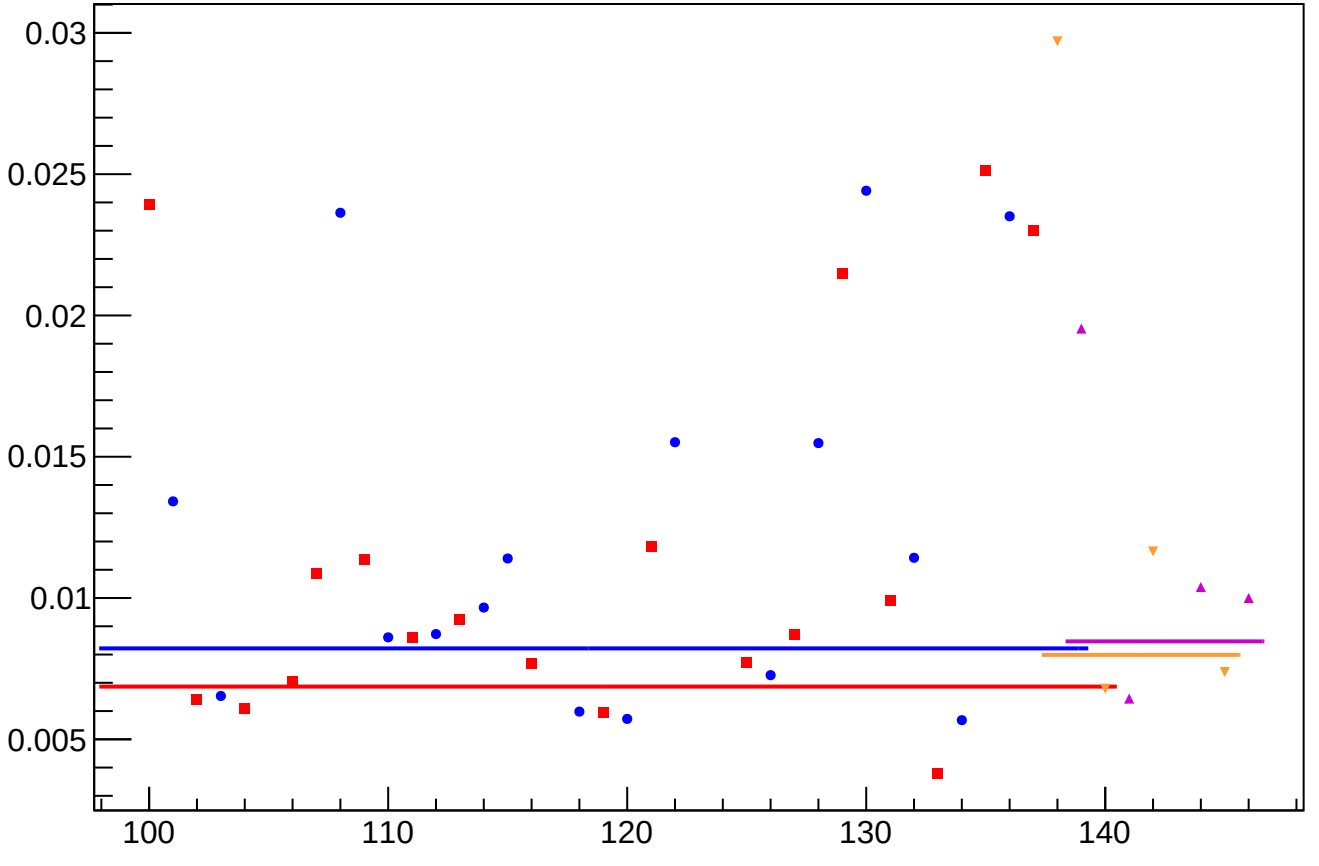
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:24.8/19

Out: -0.000+/-0.000 χ^2/NDF:19.3/21

All: 0.000+/-0.000 χ^2/NDF: 45.5/41

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:957277.1/3

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.008+/-0.000 χ^2/NDF:706114.4/3

Left: 0.008+/-0.000 χ^2/NDF: 1671371.4/7

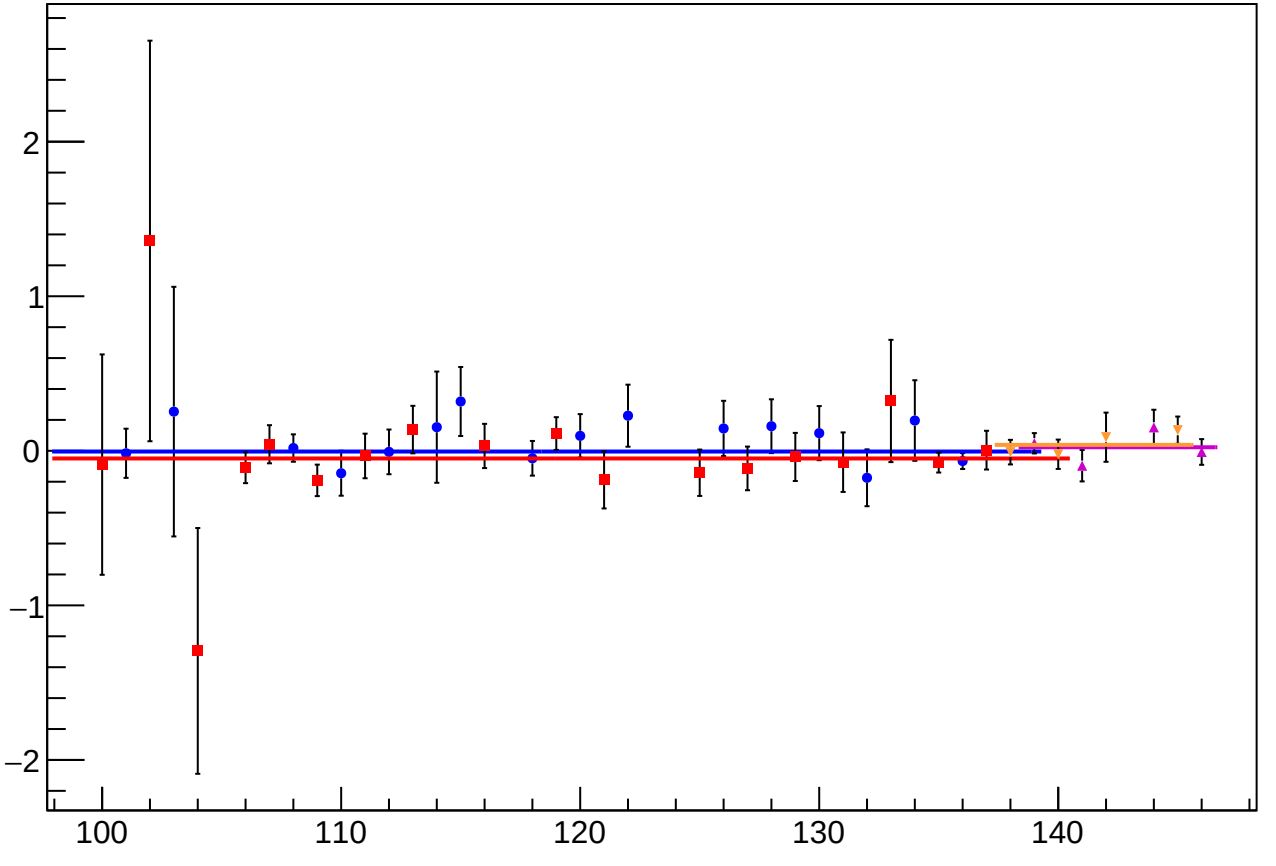
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:3365351.3/19

Out: 0.007+/-0.000 χ^2/NDF:3451617.1/21

All: 0.008+/-0.000 χ^2/NDF: 7006975.8/41

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: 0.038+/-0.048 χ^2/NDF:2.0/3

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.023+/-0.043 χ^2/NDF:3.0/3

Left: 0.030+/-0.032 χ^2/NDF: 5.0/7

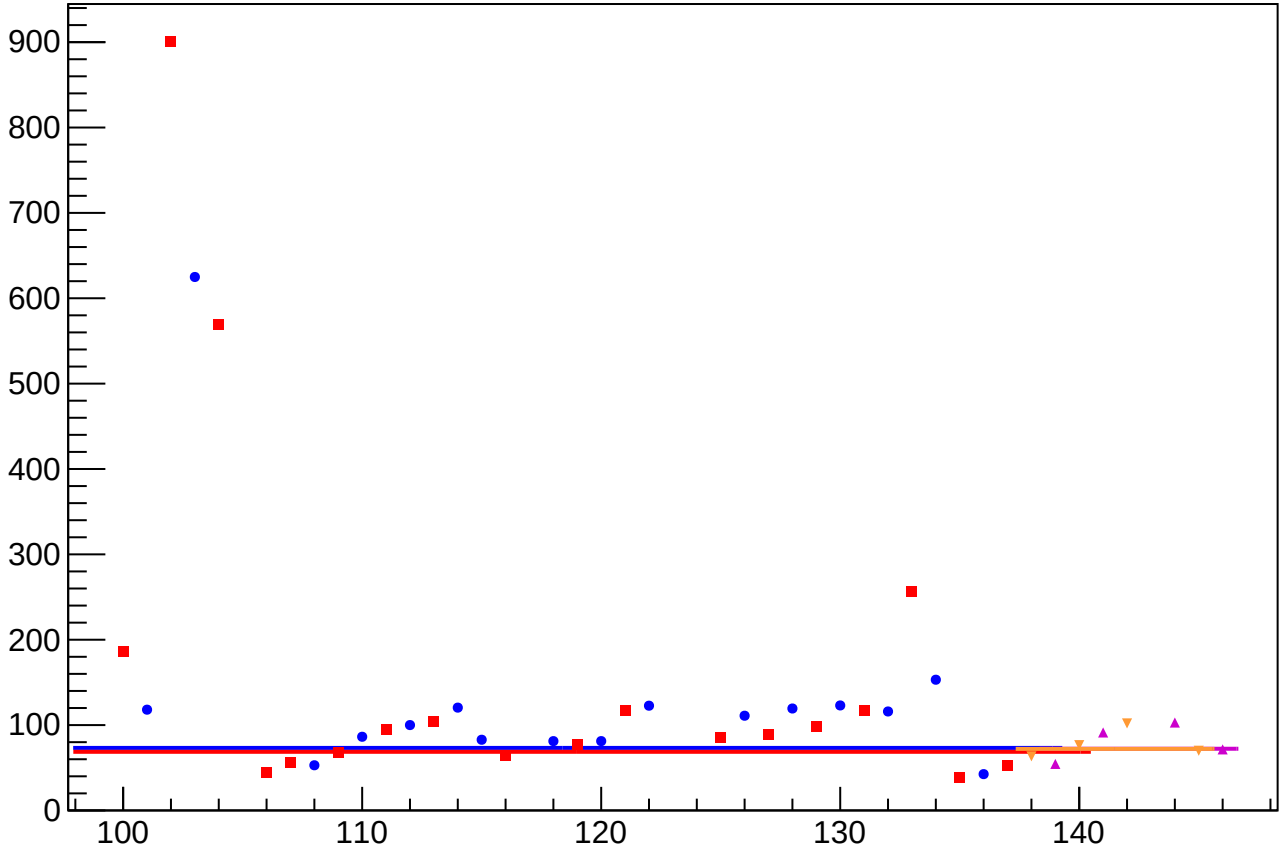
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.005+/-0.026 χ^2/NDF:13.5/19

Out: -0.023+/-0.026 χ^2/NDF:17.4/21

All: -0.008+/-0.018 χ^2/NDF: 31.5/41

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: 72.132+/-0.034 χ^2/NDF:99962.5/3

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.285+/-0.030 χ^2/NDF:362408.4/3

Left: 72.217+/-0.023 χ^2/NDF: 462382.1/7

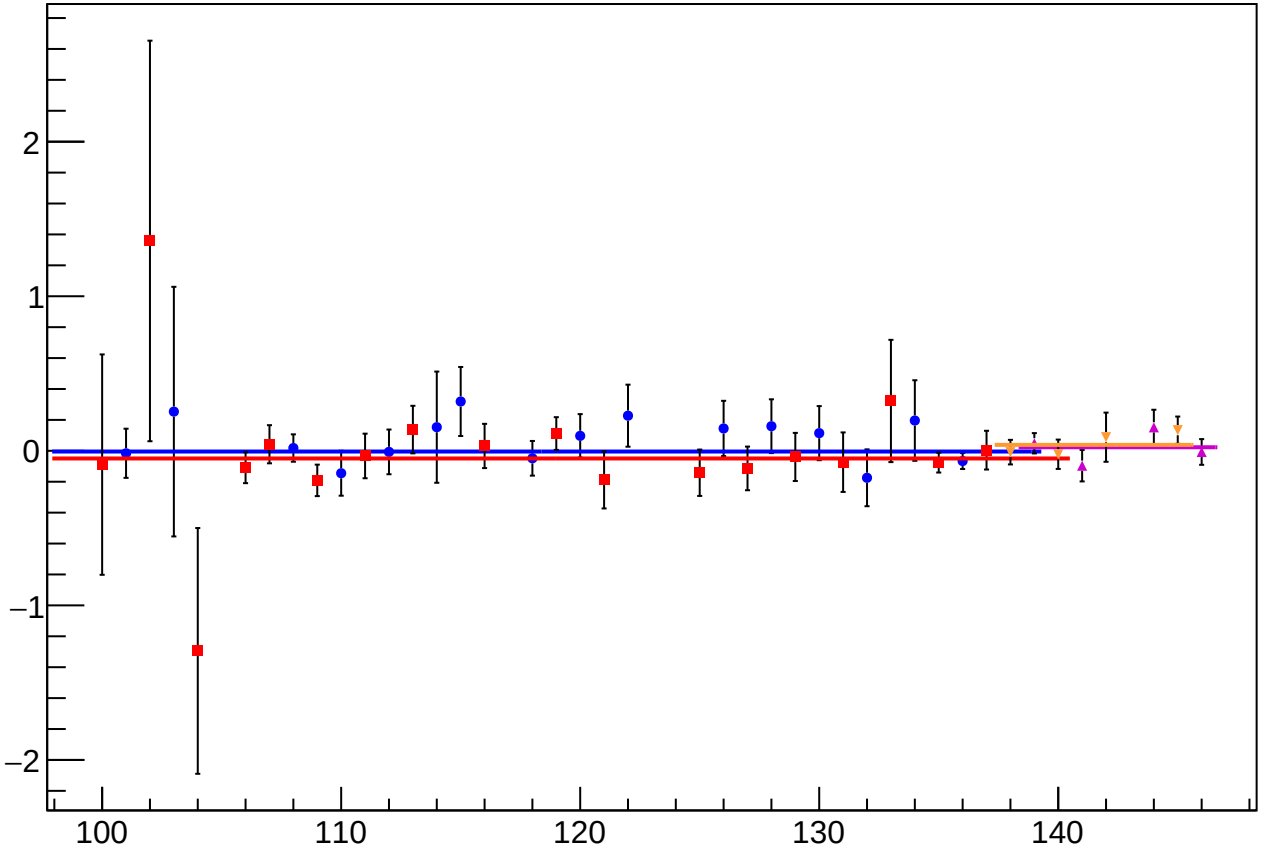
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.905+/-0.018 χ^2/NDF:3215380.7/19

Out: 69.755+/-0.019 χ^2/NDF:3439816.4/21

All: 71.371+/-0.013 χ^2/NDF: 6669815.2/41

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: 0.038+/-0.048 χ^2/NDF:2.0/3

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.023+/-0.043 χ^2/NDF:3.0/3

Left: 0.030+/-0.032 χ^2/NDF: 5.0/7

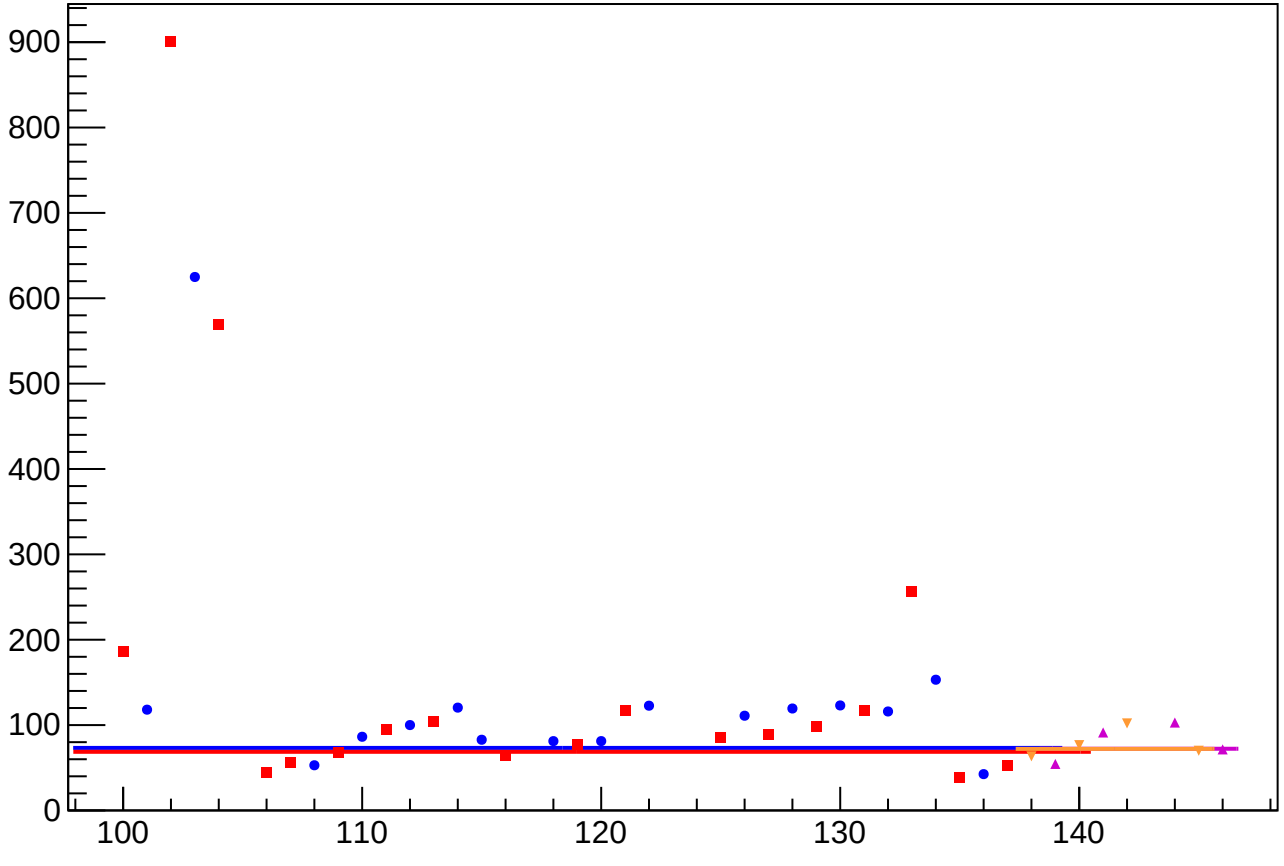
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.005+/-0.026 χ^2/NDF:13.5/19

Out: -0.023+/-0.026 χ^2/NDF:17.4/21

All: -0.008+/-0.018 χ^2/NDF: 31.5/41

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: 72.132+/-0.034 χ^2/NDF:99962.5/3

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.285+/-0.030 χ^2/NDF:362408.4/3

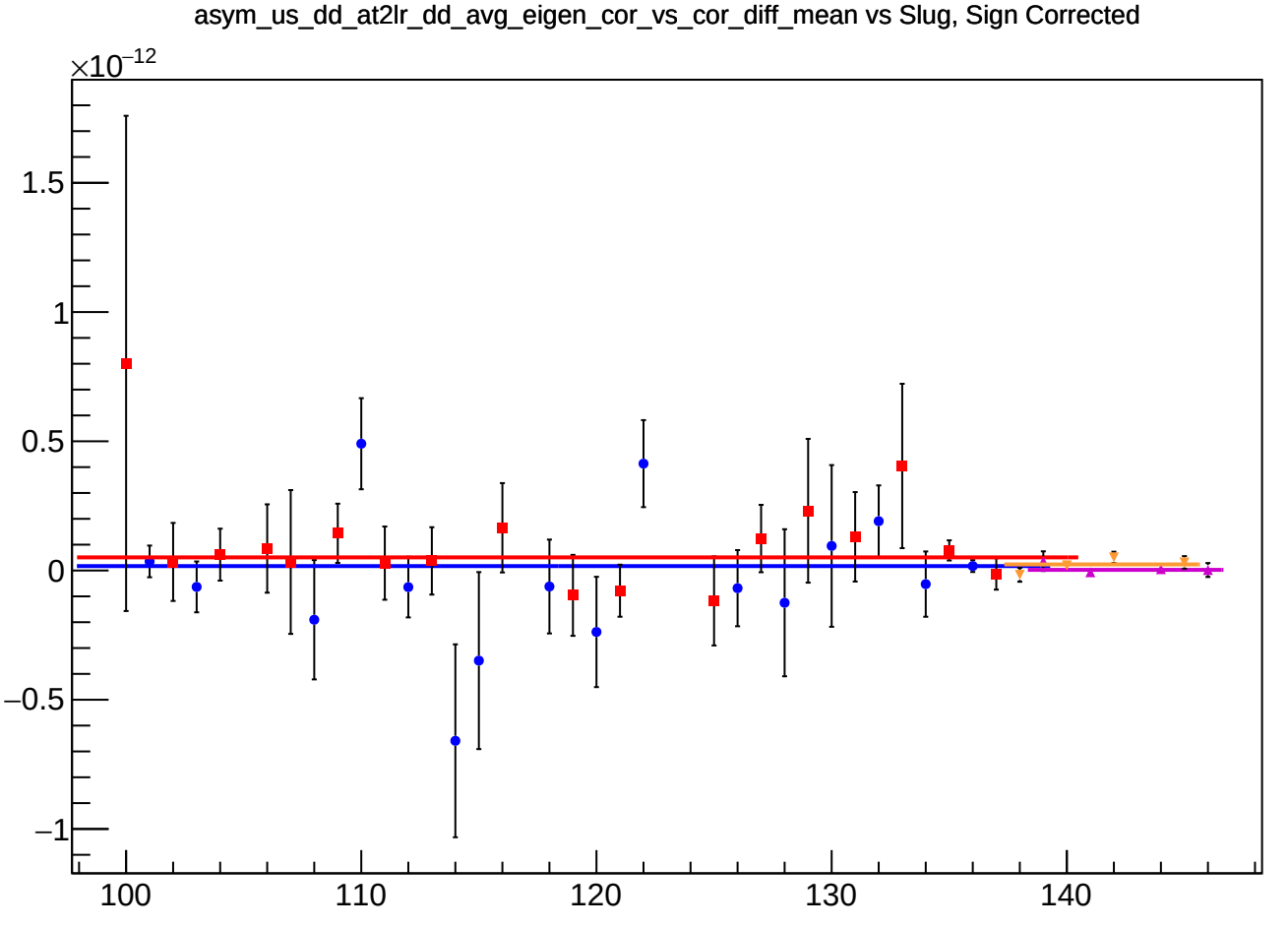
Left: 72.217+/-0.023 χ^2/NDF: 462382.1/7

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.905+/-0.018 χ^2/NDF:3215380.7/19

Out: 69.755+/-0.019 χ^2/NDF:3439816.4/21

All: 71.371+/-0.013 χ^2/NDF: 6669815.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

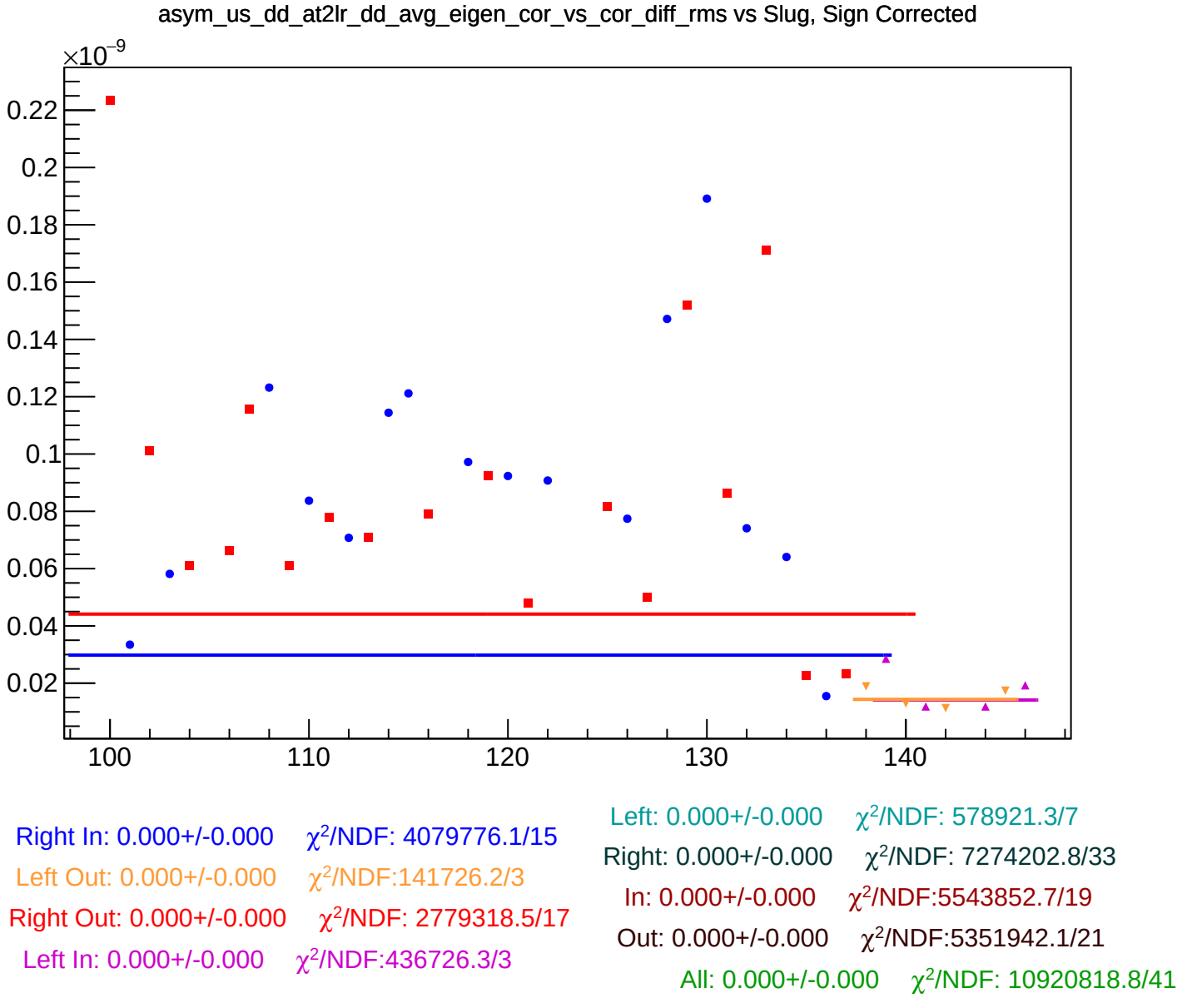
Left: 0.000+/-0.000 χ^2/NDF: 7.1/7

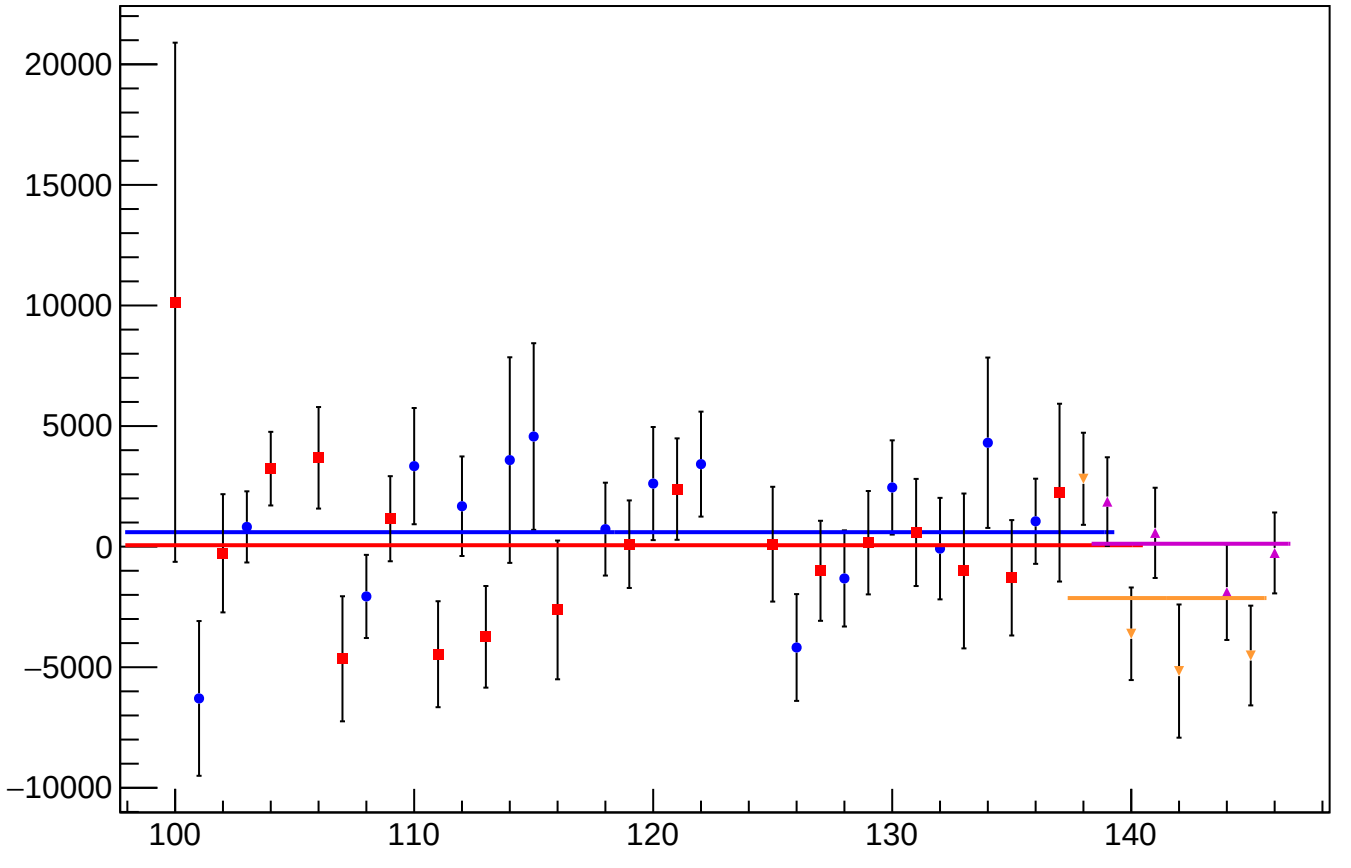
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:24.9/19

Out: 0.000+/-0.000 χ^2/NDF:14.0/21

All: 0.000+/-0.000 χ^2/NDF: 41.7/41


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
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:141726.2/3
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:436726.3/3
Left: 0.000+/-0.000 χ²/NDF: 578921.3/7
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5543852.7/19
Out: 0.000+/-0.000 χ²/NDF:5351942.1/21
All: 0.000+/-0.000 χ²/NDF: 10920818.8/41



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -2131.864+/-1047.935 χ^2/NDF:9.8/3

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 119.985+/-916.187 χ^2/NDF:2.0/3

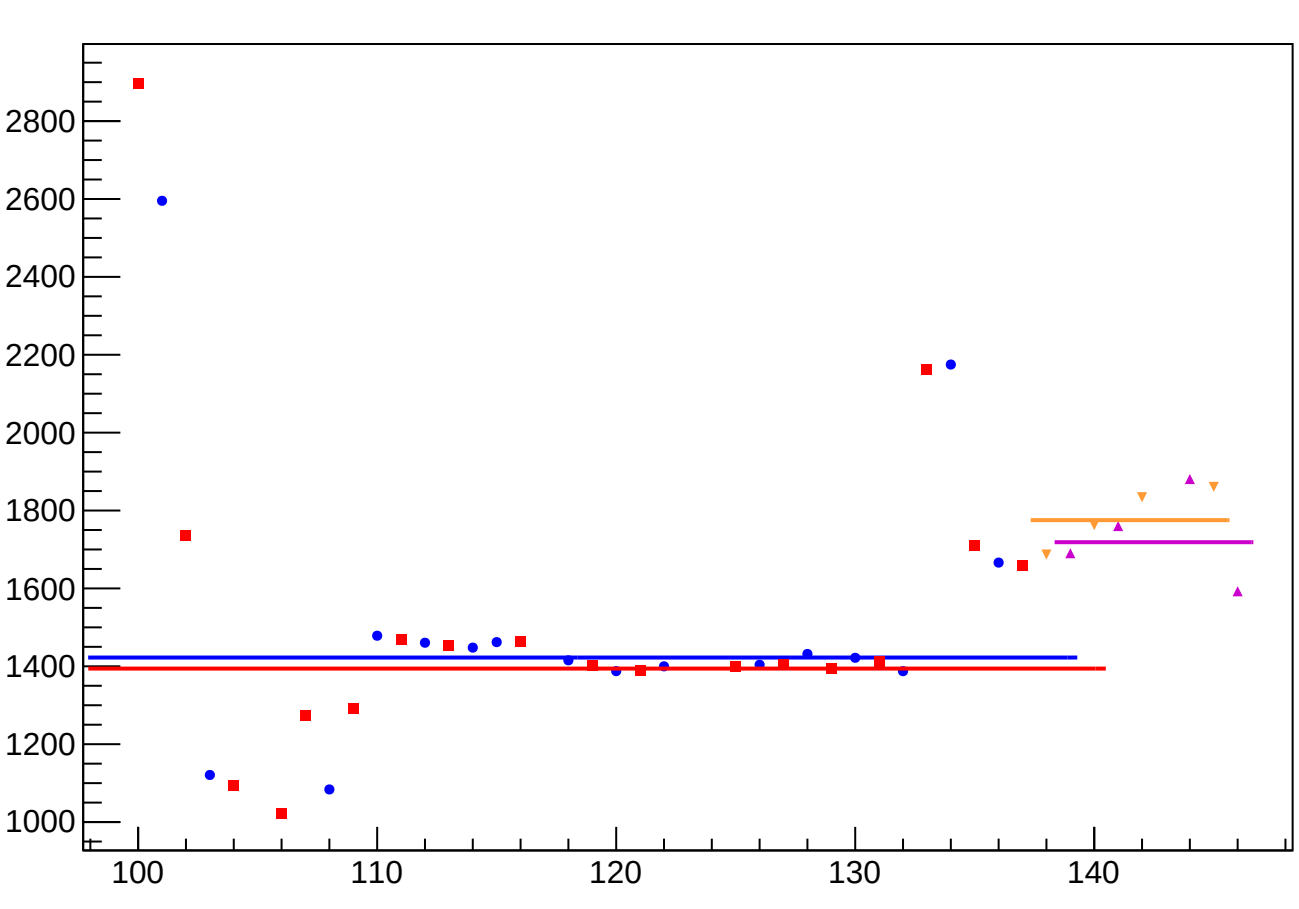
Left: -855.568+/-689.748 χ^2/NDF: 14.5/7

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 476.331+/-465.242 χ^2/NDF:22.6/19

Out: -387.457+/-473.099 χ^2/NDF:35.9/21

All: 51.669+/-331.719 χ^2/NDF: 60.1/41



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1775.268+/-0.741 χ^2/NDF:8690.8/3

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

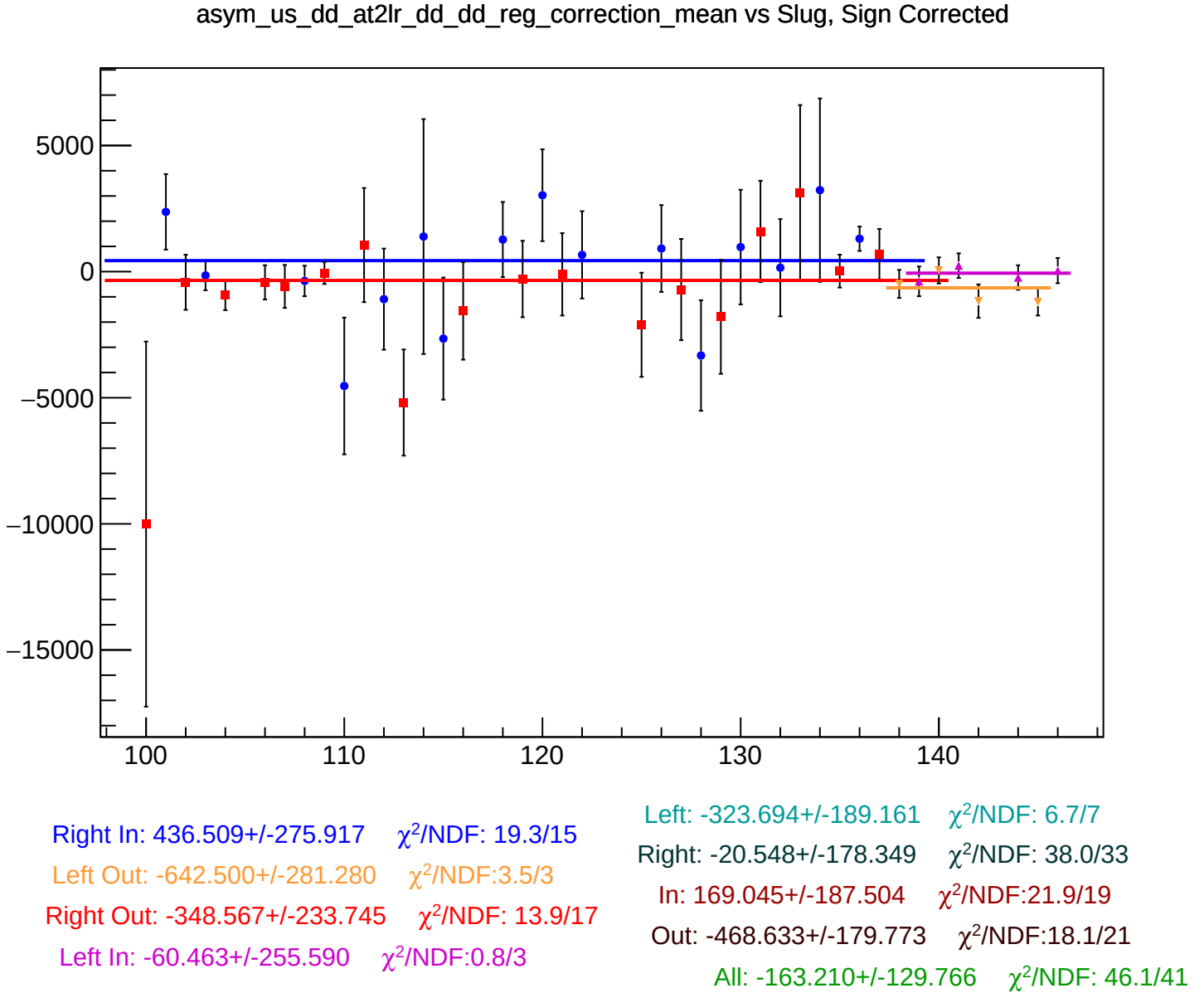
Left: 1743.203+/-0.488 χ^2/NDF: 38116.8/7

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

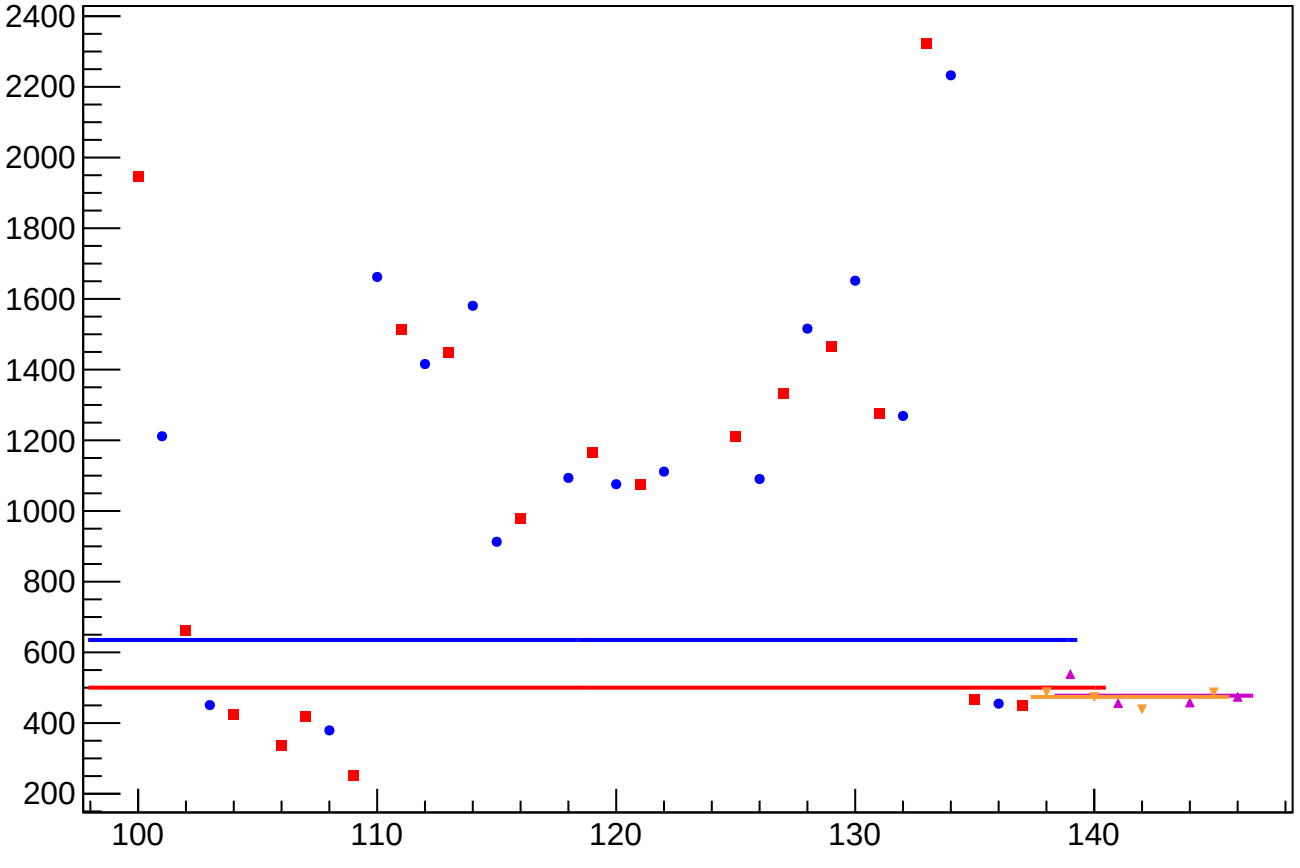
In: 1498.888+/-0.329 χ^2/NDF:741496.9/19

Out: 1471.843+/-0.335 χ^2/NDF:612951.7/21

All: 1485.592+/-0.235 χ^2/NDF: 1357771.3/41


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
Right In: 436.509+/-275.917 χ²/NDF: 19.3/15
Left Out: -642.500+/-281.280 χ²/NDF:3.5/3
Right Out: -348.567+/-233.745 χ²/NDF: 13.9/17
Left In: -60.463+/-255.590 χ²/NDF:0.8/3
Left: -323.694+/-189.161 χ²/NDF: 6.7/7
Right: -20.548+/-178.349 χ²/NDF: 38.0/33
In: 169.045+/-187.504 χ²/NDF:21.9/19
Out: -468.633+/-179.773 χ²/NDF:18.1/21
All: -163.210+/-129.766 χ²/NDF: 46.1/41

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: 473.991+/-0.199 χ^2/NDF:7934.7/3

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 477.485+/-0.181 χ^2/NDF:28441.9/3

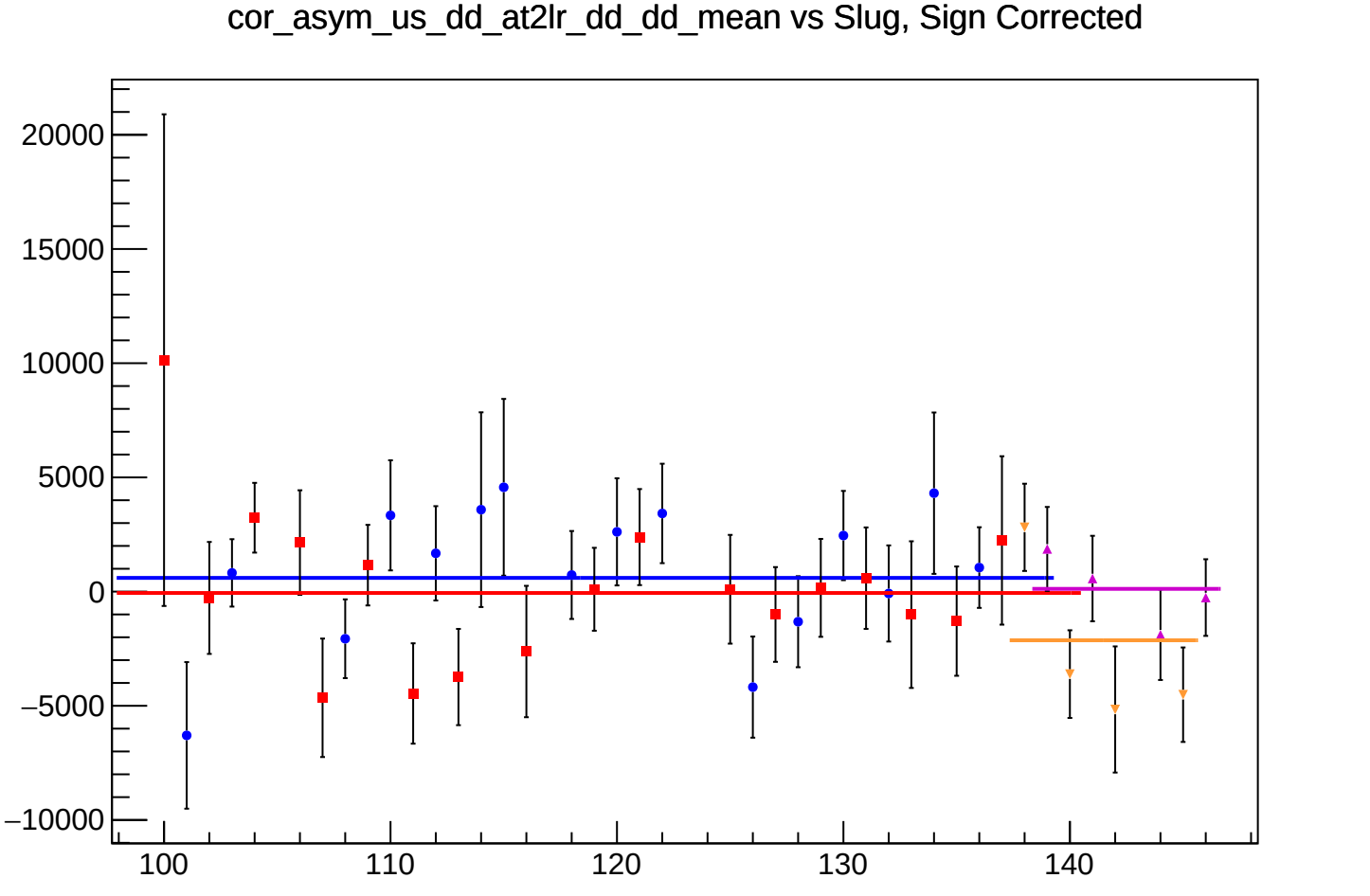
Left: 475.905+/-0.134 χ^2/NDF: 36545.6/7

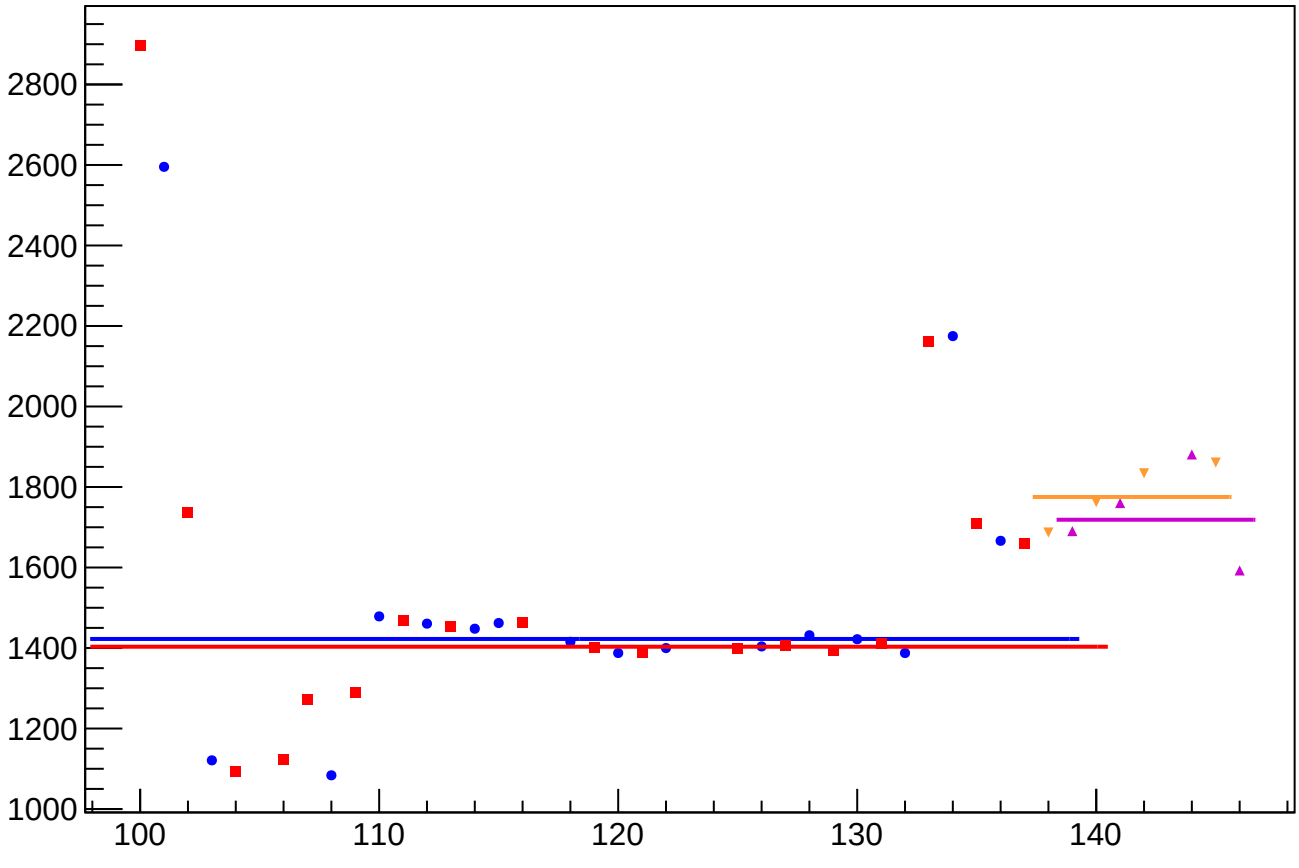
Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 550.290+/-0.133 χ^2/NDF:4132420.3/19

Out: 489.513+/-0.127 χ^2/NDF:4327323.3/21

All: 518.623+/-0.092 χ^2/NDF: 8569228.6/41


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -2131.964+/-1047.935 χ²/NDF:9.8/3
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 120.041+/-916.187 χ²/NDF:2.0/3
Left: -855.580+/-689.748 χ²/NDF: 14.5/7
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 476.251+/-465.242 χ²/NDF:22.6/19
Out: -485.908+/-474.958 χ²/NDF:33.3/21
All: 5.113+/-332.357 χ²/NDF: 58.0/41



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1775.268+/-0.741 χ^2/NDF:8690.8/3

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

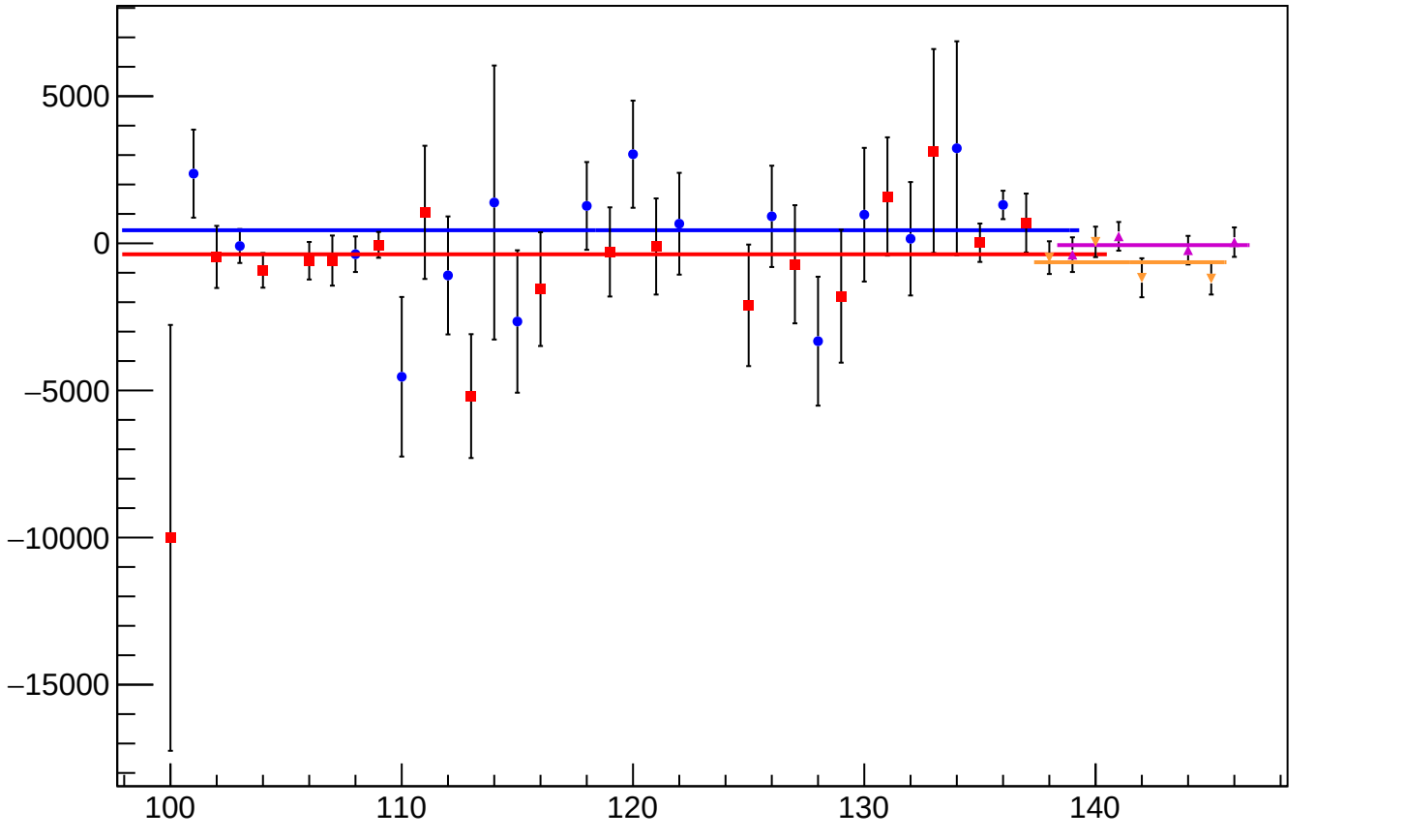
Left: 1743.203+/-0.488 χ^2/NDF: 38116.8/7

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1498.888+/-0.329 χ^2/NDF:741497.3/19

Out: 1479.645+/-0.336 χ^2/NDF:568112.5/21

All: 1489.465+/-0.235 χ^2/NDF: 1311285.2/41



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -642.590+/-281.293 χ^2/NDF:3.5/3

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -60.621+/-255.588 χ^2/NDF:0.8/3

Left: -323.804+/-189.164 χ^2/NDF: 6.7/7

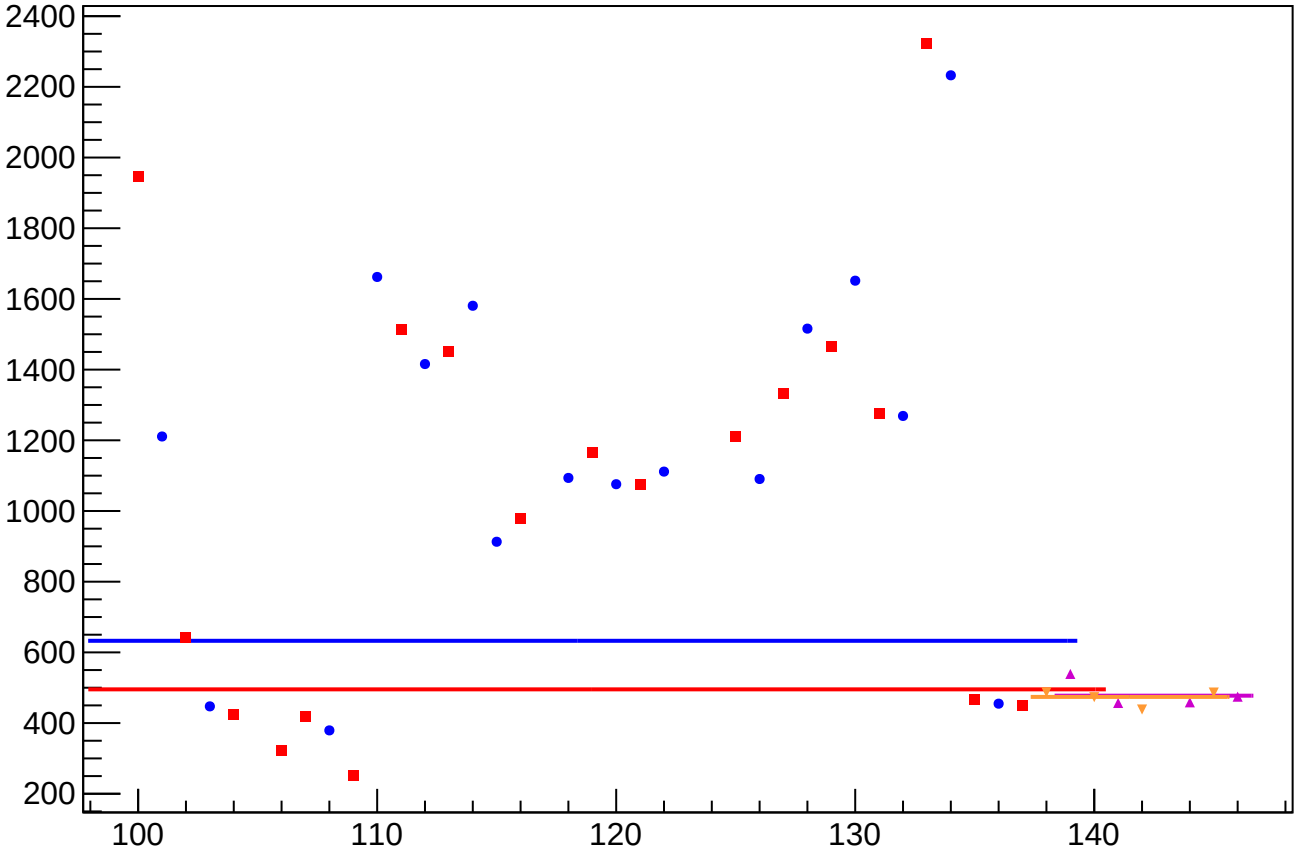
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 174.012+/-187.132 χ^2/NDF:21.8/19

Out: -481.504+/-178.682 χ^2/NDF:18.1/21

All: -168.879+/-129.231 χ^2/NDF: 46.4/41

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: 474.016+/-0.199 χ^2/NDF:7916.4/3

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 477.479+/-0.181 χ^2/NDF:28441.9/3

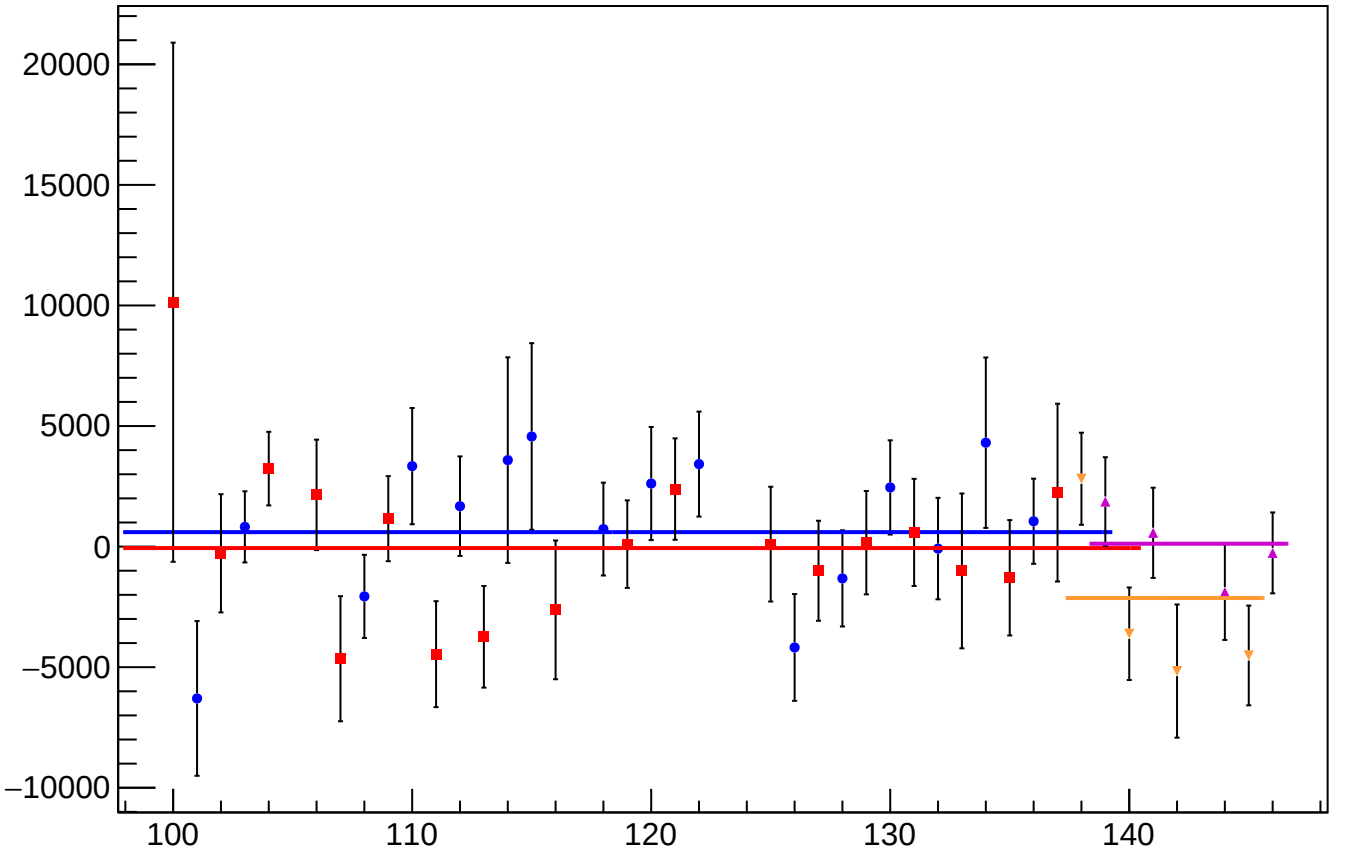
Left: 475.913+/-0.134 χ^2/NDF: 36524.4/7

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 549.517+/-0.132 χ^2/NDF:4138629.2/19

Out: 486.759+/-0.126 χ^2/NDF:4352283.0/21

All: 516.689+/-0.091 χ^2/NDF: 8608574.0/41



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -2131.964+/-1047.935 χ^2/NDF:9.8/3

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 120.041+/-916.187 χ^2/NDF:2.0/3

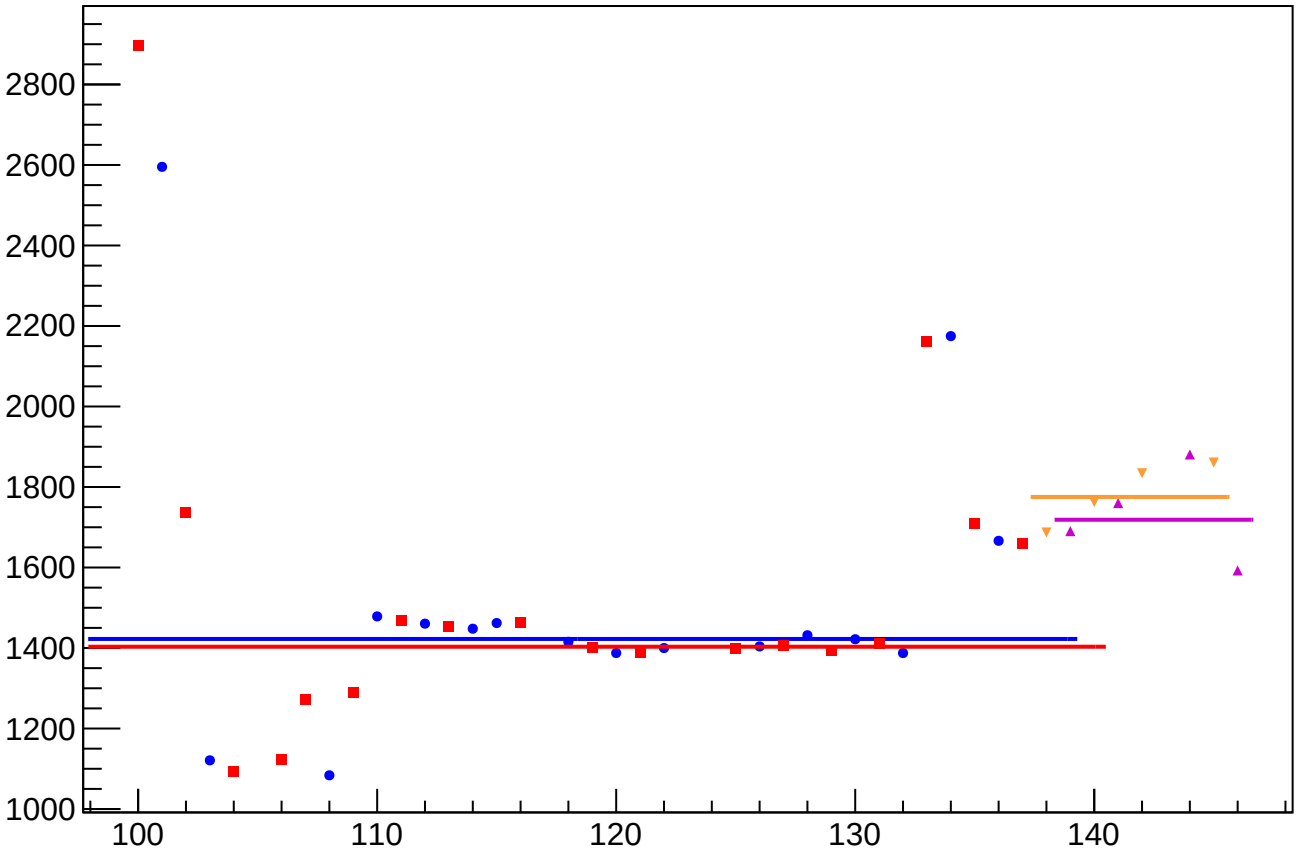
Left: -855.580+/-689.748 χ^2/NDF: 14.5/7

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 476.251+/-465.242 χ^2/NDF:22.6/19

Out: -485.908+/-474.958 χ^2/NDF:33.3/21

All: 5.113+/-332.357 χ^2/NDF: 58.0/41



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1775.268+/-0.741 χ^2/NDF:8690.8/3

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

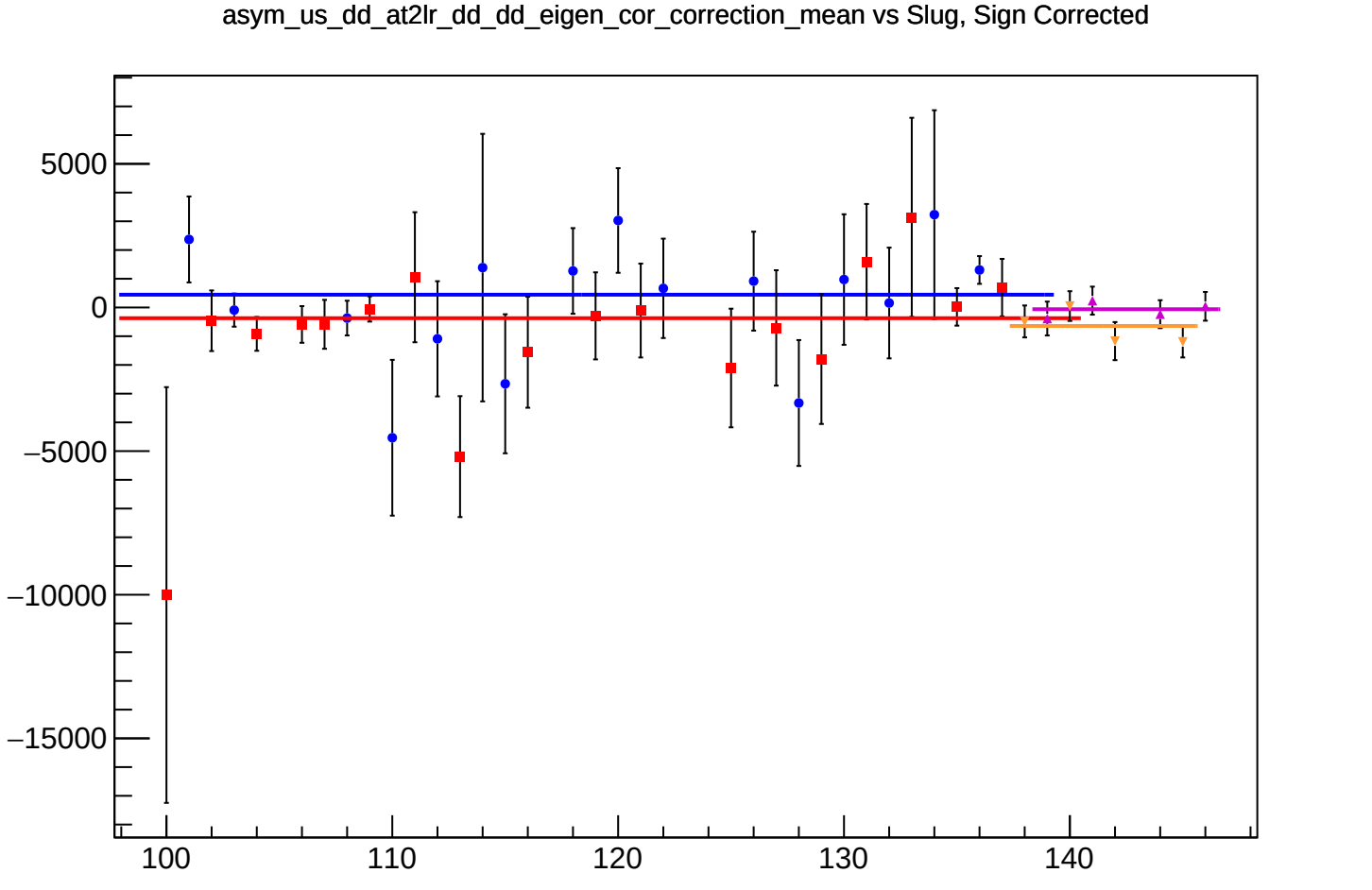
Left: 1743.203+/-0.488 χ^2/NDF: 38116.8/7

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1498.888+/-0.329 χ^2/NDF:741497.3/19

Out: 1479.645+/-0.336 χ^2/NDF:568112.5/21

All: 1489.465+/-0.235 χ^2/NDF: 1311285.2/41



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -642.590+/-281.293 χ^2/NDF:3.5/3

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -60.621+/-255.588 χ^2/NDF:0.8/3

Left: -323.804+/-189.164 χ^2/NDF: 6.7/7

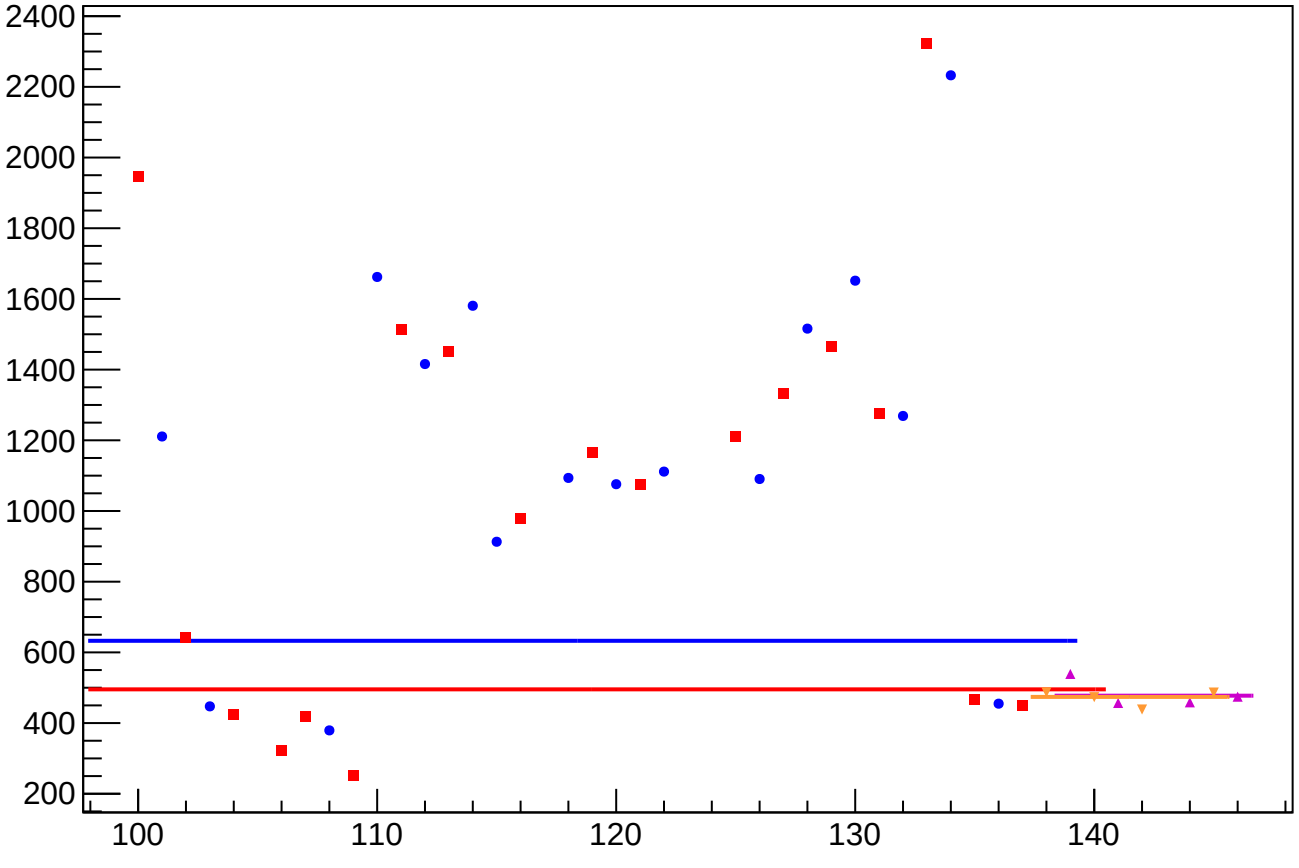
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 174.012+/-187.132 χ^2/NDF:21.8/19

Out: -481.504+/-178.682 χ^2/NDF:18.1/21

All: -168.879+/-129.231 χ^2/NDF: 46.4/41

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: 474.016+/-0.199 χ^2/NDF:7916.4/3

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 477.479+/-0.181 χ^2/NDF:28441.9/3

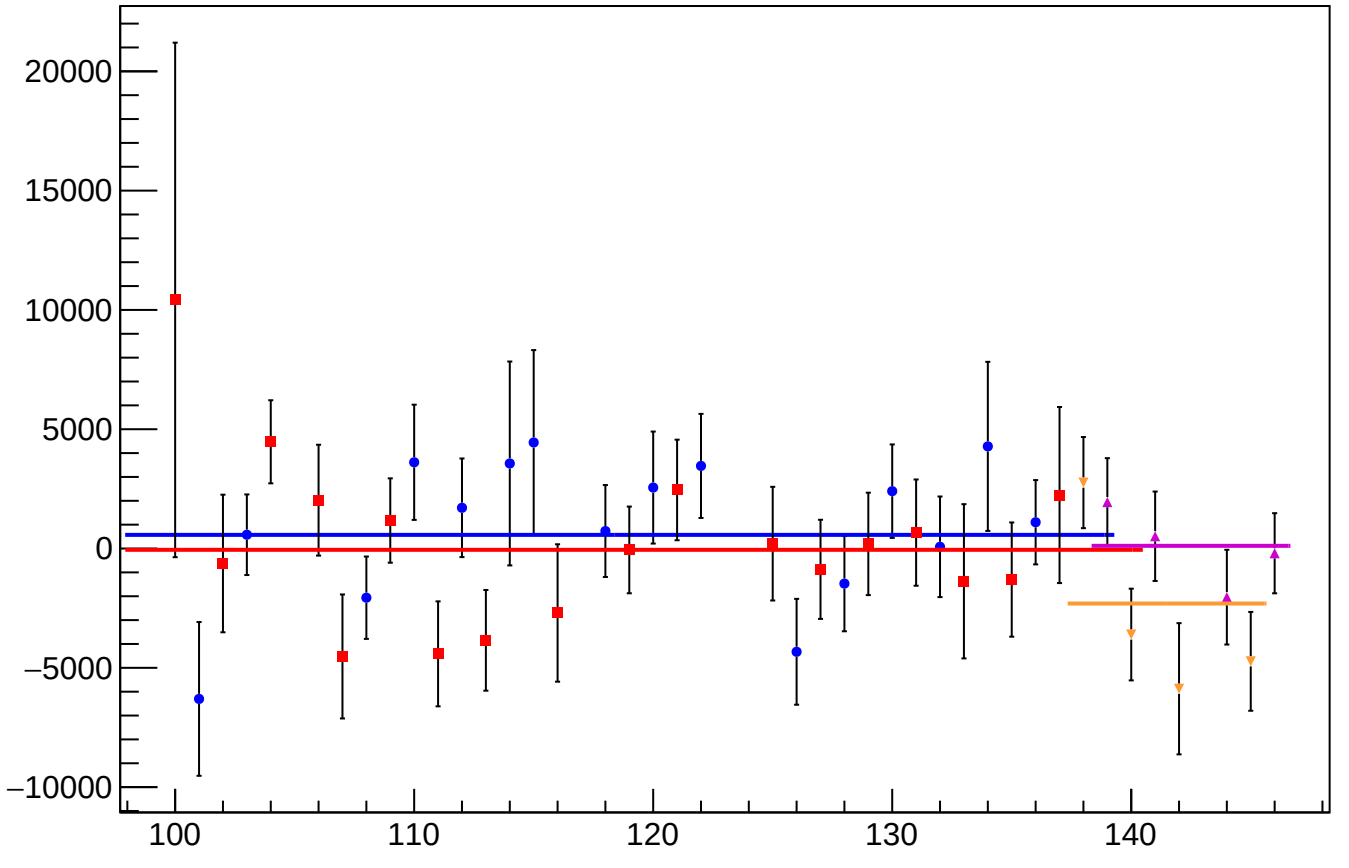
Left: 475.913+/-0.134 χ^2/NDF: 36524.4/7

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 549.517+/-0.132 χ^2/NDF:4138629.2/19

Out: 486.759+/-0.126 χ^2/NDF:4352283.0/21

All: 516.689+/-0.091 χ^2/NDF: 8608574.0/41



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -2305.088+/-1048.300 χ^2/NDF:10.6/3

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 113.391+/-917.360 χ^2/NDF:2.2/3

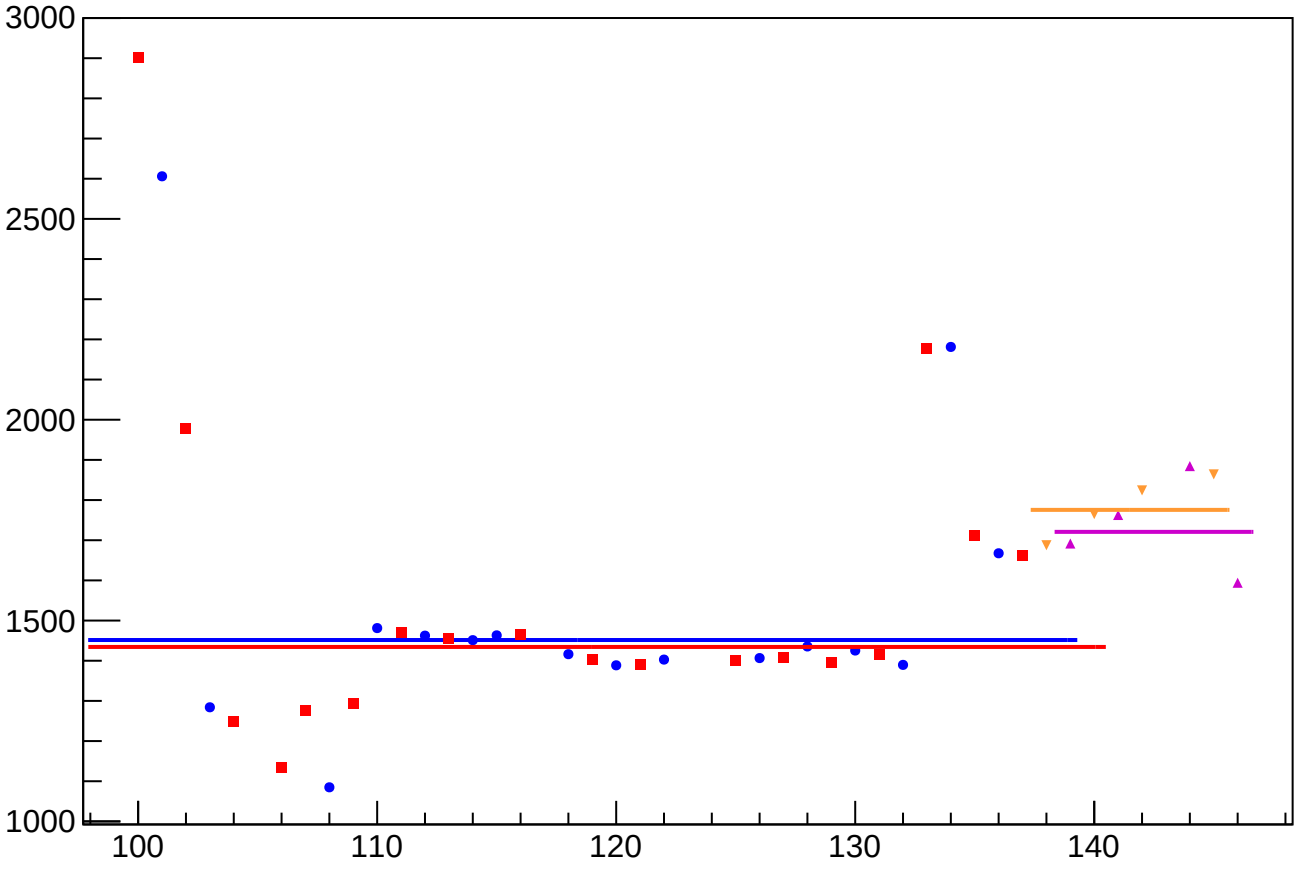
Left: -935.456+/-690.352 χ^2/NDF: 15.8/7

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 451.069+/-471.487 χ^2/NDF:23.2/19

Out: -533.270+/-483.801 χ^2/NDF:36.7/21

All: -28.414+/-337.661 χ^2/NDF: 62.0/41



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1775.570+/-0.741 χ^2/NDF:8566.1/3

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1720.824+/-0.649 χ^2/NDF:26476.2/3

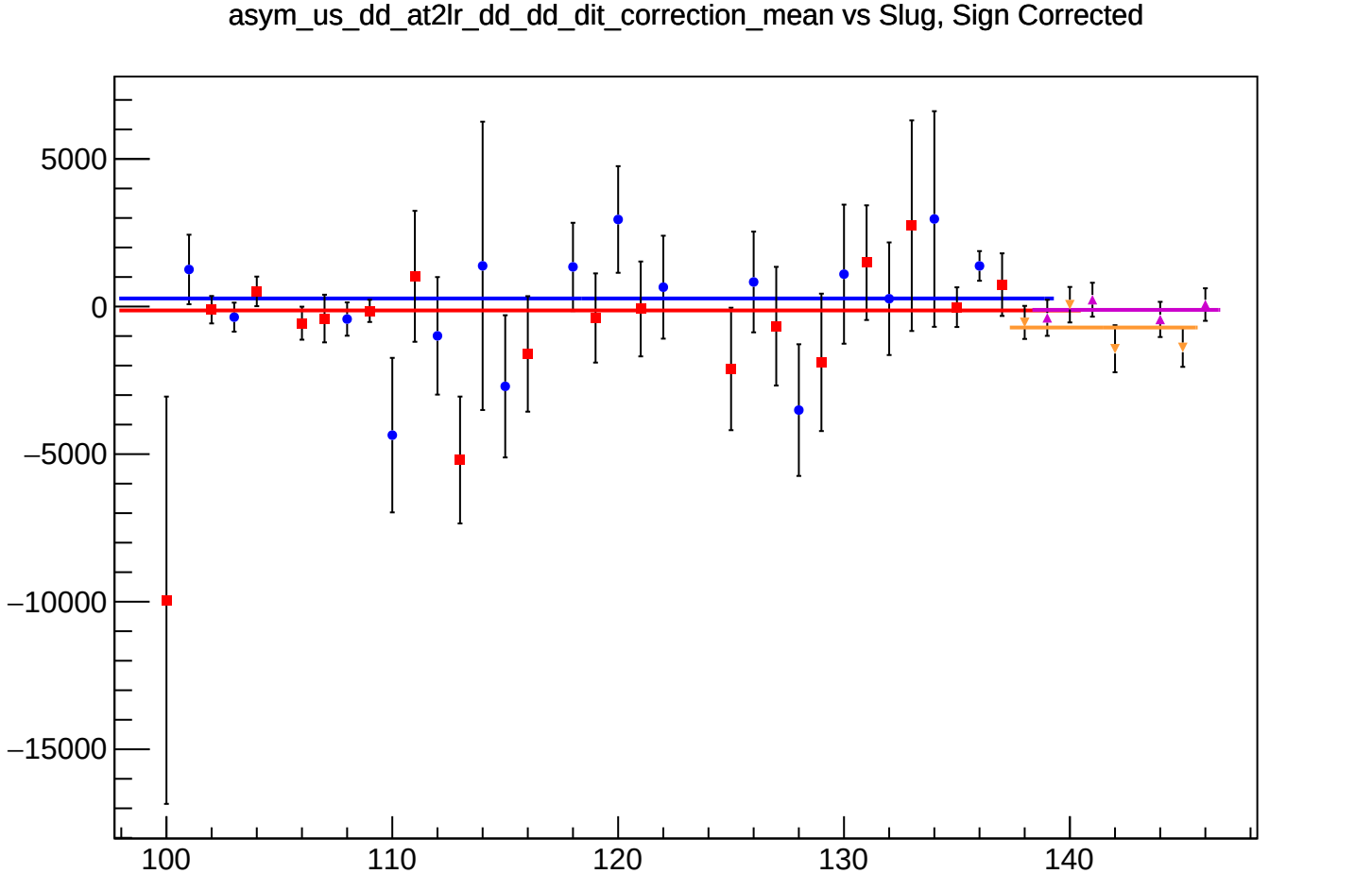
Left: 1744.566+/-0.488 χ^2/NDF: 38131.4/7

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1522.701+/-0.333 χ^2/NDF:641087.2/19

Out: 1507.004+/-0.342 χ^2/NDF:503950.6/21

All: 1515.055+/-0.239 χ^2/NDF: 1146117.6/41



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -710.378+/-318.922 χ^2/NDF:3.6/3

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -112.901+/-290.999 χ^2/NDF:1.0/3

Left: -384.343+/-214.962 χ^2/NDF: 6.5/7

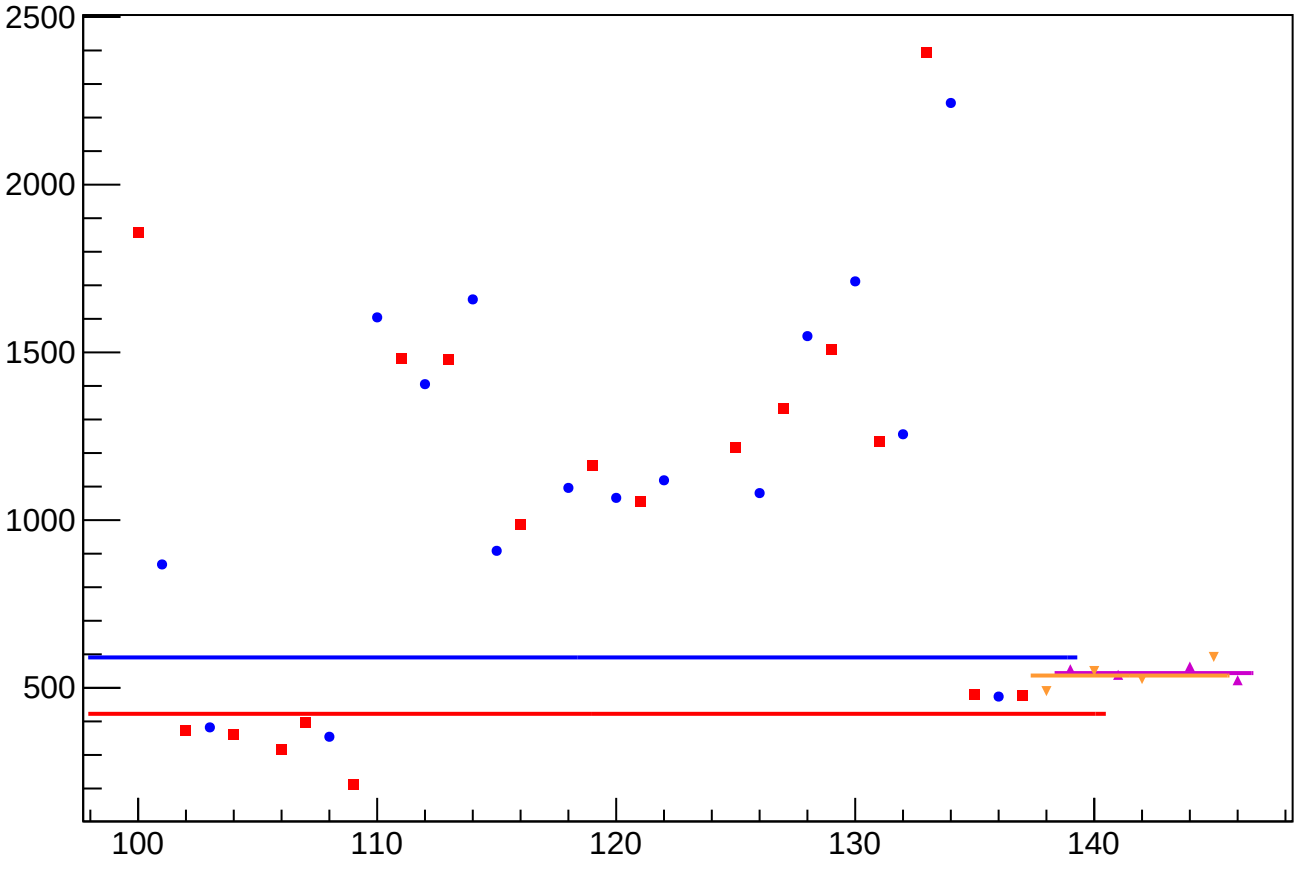
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 101.542+/-194.106 χ^2/NDF:22.1/19

Out: -290.900+/-166.945 χ^2/NDF:20.4/21

All: -124.037+/-126.571 χ^2/NDF: 44.9/41

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: 536.761+/-0.226 χ^2/NDF:29264.8/3

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 544.069+/-0.206 χ^2/NDF:5974.8/3

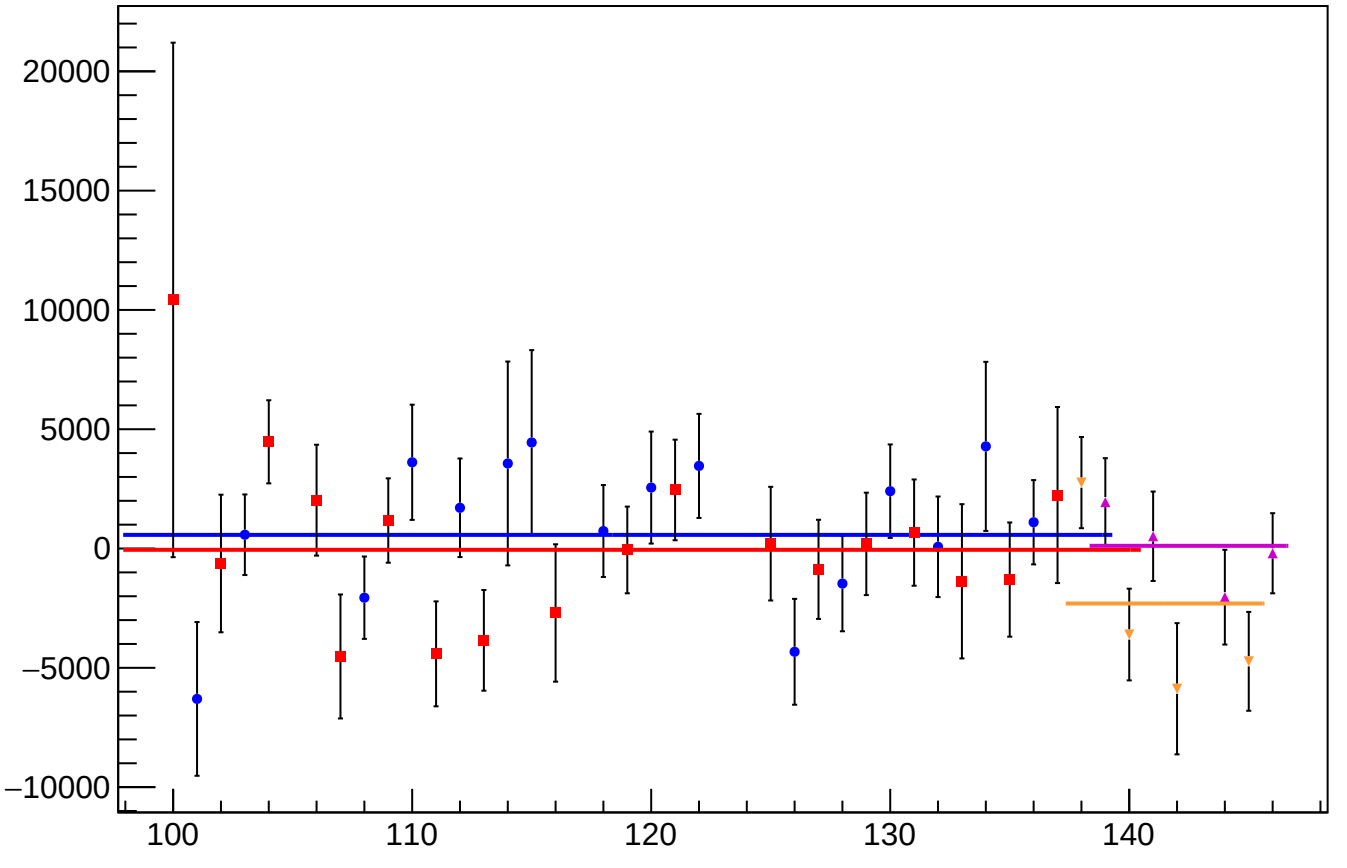
Left: 540.749+/-0.152 χ^2/NDF: 35812.6/7

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 569.979+/-0.137 χ^2/NDF:3920043.2/19

Out: 453.903+/-0.118 χ^2/NDF:5073234.9/21

All: 503.258+/-0.089 χ^2/NDF: 9404389.7/41



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -2305.100+/-1048.300 χ^2/NDF:10.6/3

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 113.381+/-917.360 χ^2/NDF:2.2/3

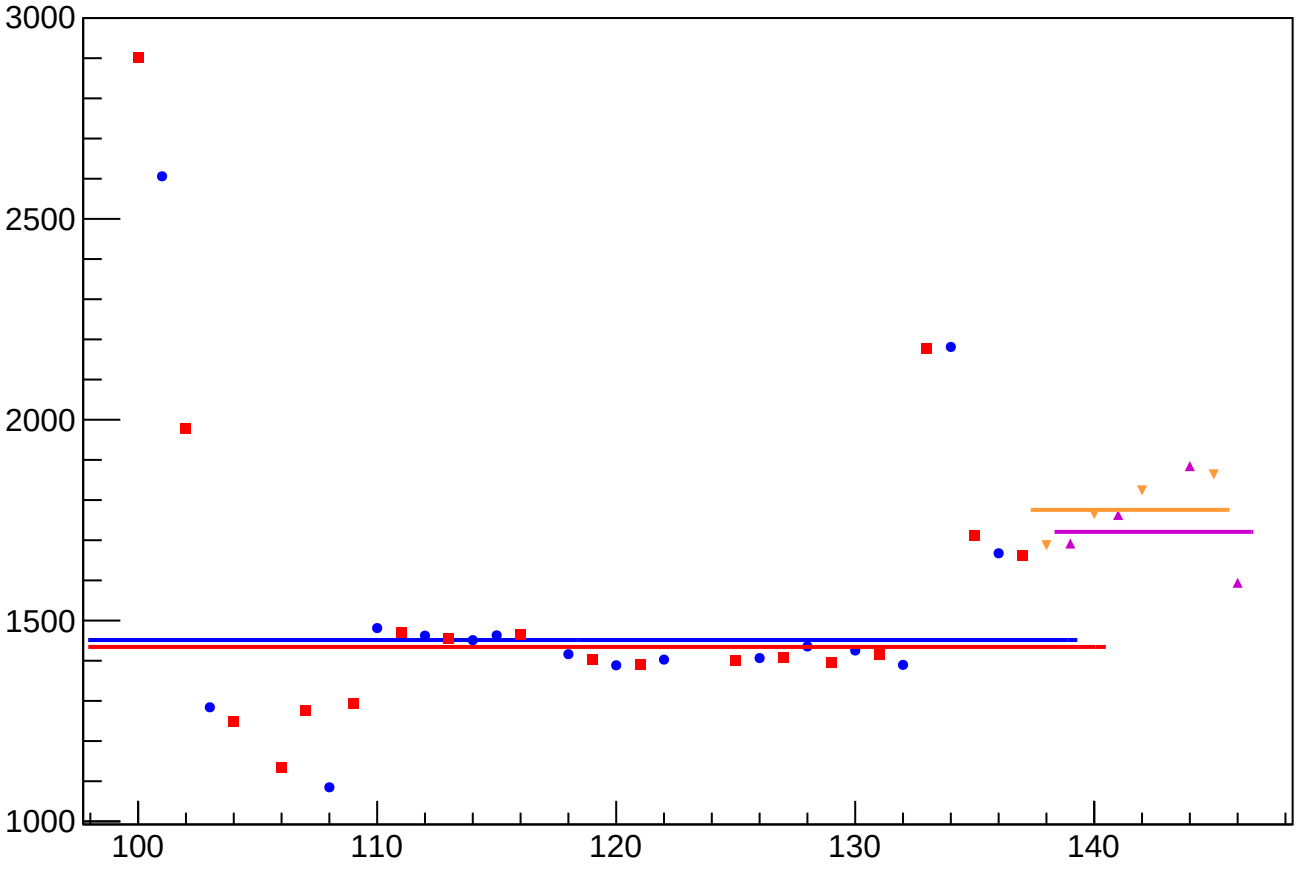
Left: -935.467+/-690.352 χ^2/NDF: 15.8/7

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 451.067+/-471.487 χ^2/NDF:23.2/19

Out: -533.271+/-483.801 χ^2/NDF:36.7/21

All: -28.415+/-337.661 χ^2/NDF: 62.0/41



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1775.570+/-0.741 χ^2/NDF:8566.1/3

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1720.824+/-0.649 χ^2/NDF:26476.4/3

Left: 1744.566+/-0.488 χ^2/NDF: 38131.5/7

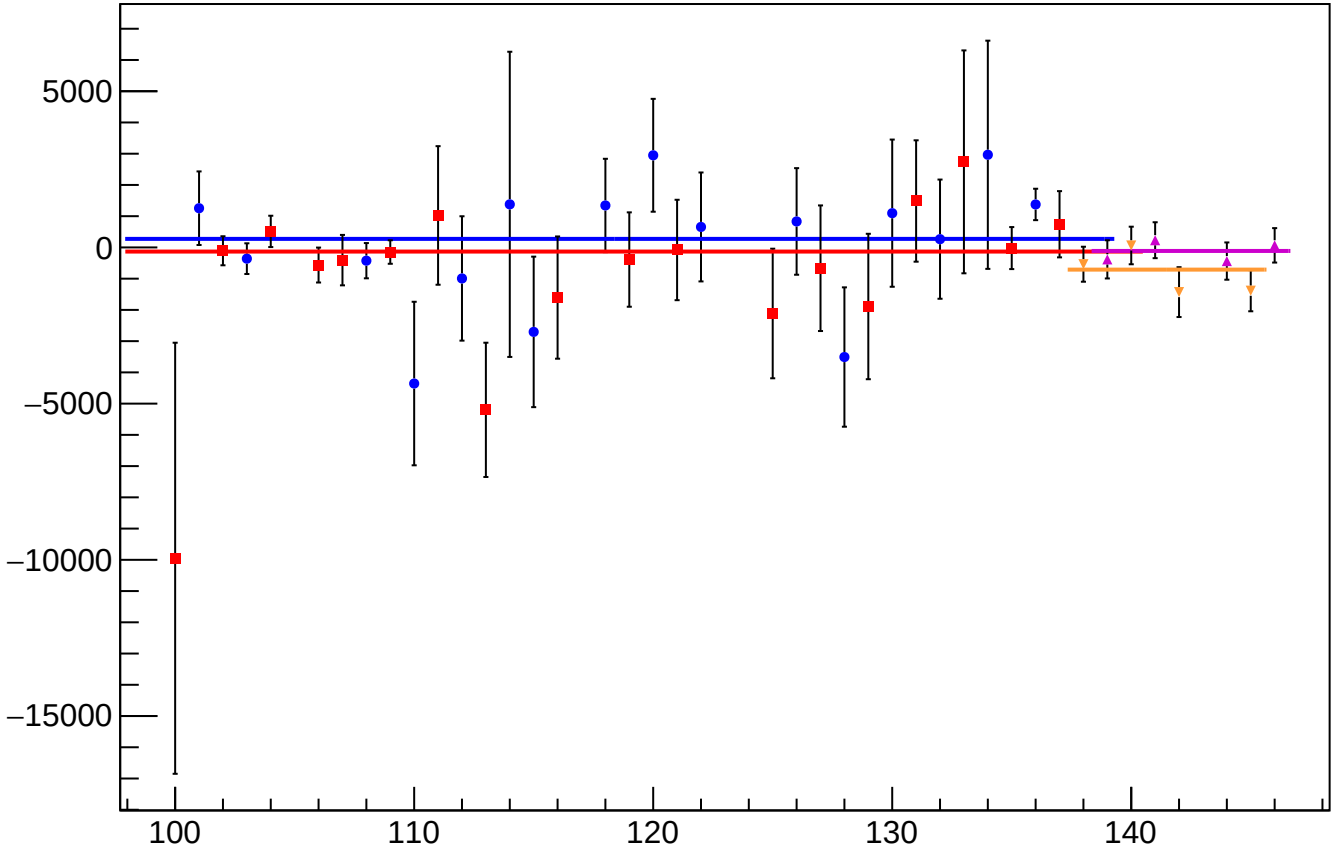
Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1522.702+/-0.333 χ^2/NDF:641086.8/19

Out: 1507.004+/-0.342 χ^2/NDF:503950.9/21

All: 1515.055+/-0.239 χ^2/NDF: 1146117.6/41

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -710.397+/-318.929 χ^2/NDF:3.6/3

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -112.908+/-291.001 χ^2/NDF:1.0/3

Left: -384.351+/-214.966 χ^2/NDF: 6.5/7

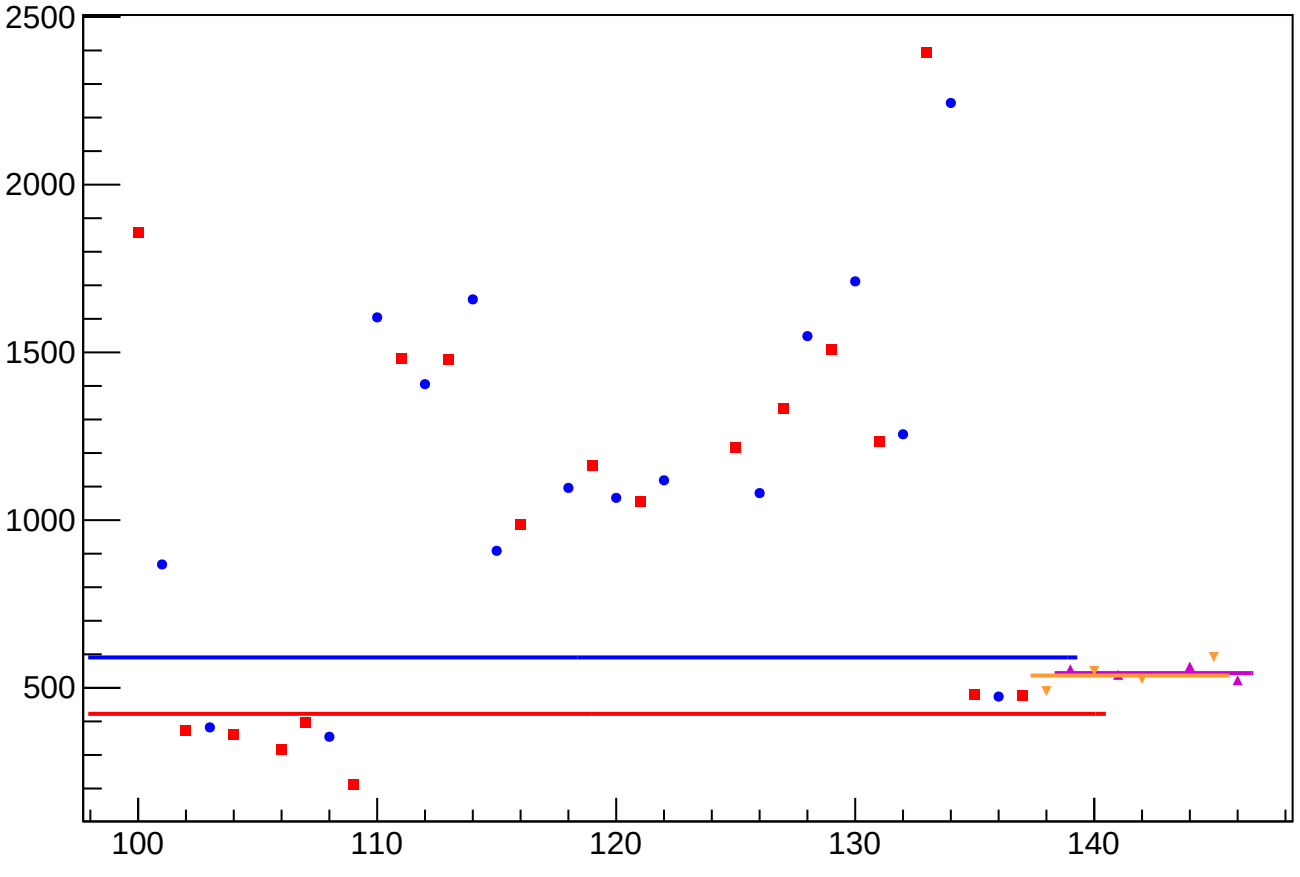
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 101.536+/-194.107 χ^2/NDF:22.1/19

Out: -290.898+/-166.947 χ^2/NDF:20.4/21

All: -124.036+/-126.572 χ^2/NDF: 44.9/41

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 536.774+/-0.226 χ^2/NDF:29252.4/3

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 544.074+/-0.206 χ^2/NDF:5981.0/3

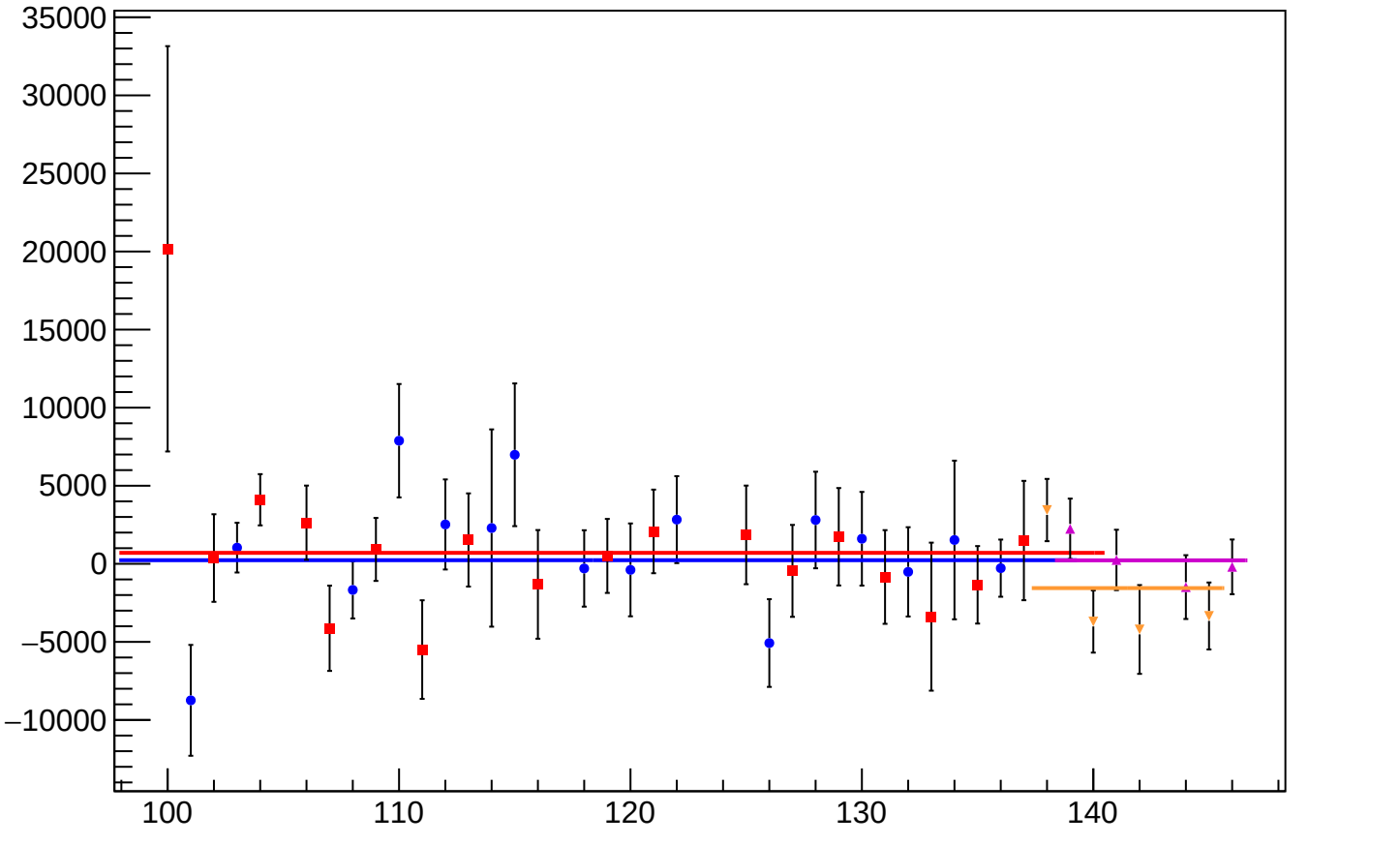
Left: 540.758+/-0.152 χ^2/NDF: 35805.1/7

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 569.981+/-0.137 χ^2/NDF:3920069.7/19

Out: 453.910+/-0.118 χ^2/NDF:5073158.2/21

All: 503.263+/-0.089 χ^2/NDF: 9404294.1/41



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -1555.317+/-1087.747 χ^2/NDF:9.0/3

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 221.903+/-953.767 χ^2/NDF:1.8/3

Left: -550.572+/-717.133 χ^2/NDF: 12.4/7

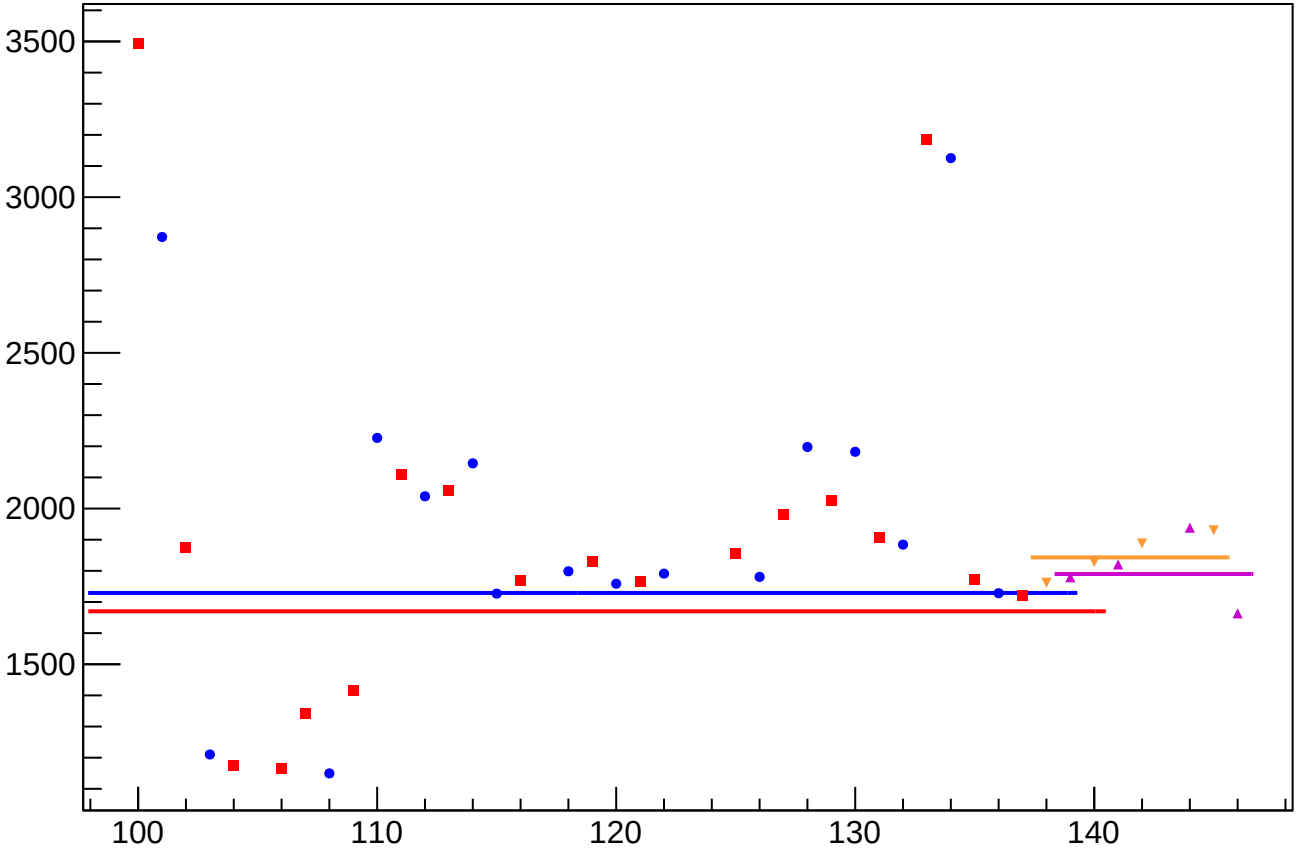
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 227.856+/-546.181 χ^2/NDF:22.6/19

Out: 110.502+/-556.904 χ^2/NDF:29.2/21

All: 170.320+/-389.944 χ^2/NDF: 51.8/41

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1843.204+/-0.769 χ^2/NDF:7247.0/3

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1789.776+/-0.674 χ^2/NDF:21580.4/3

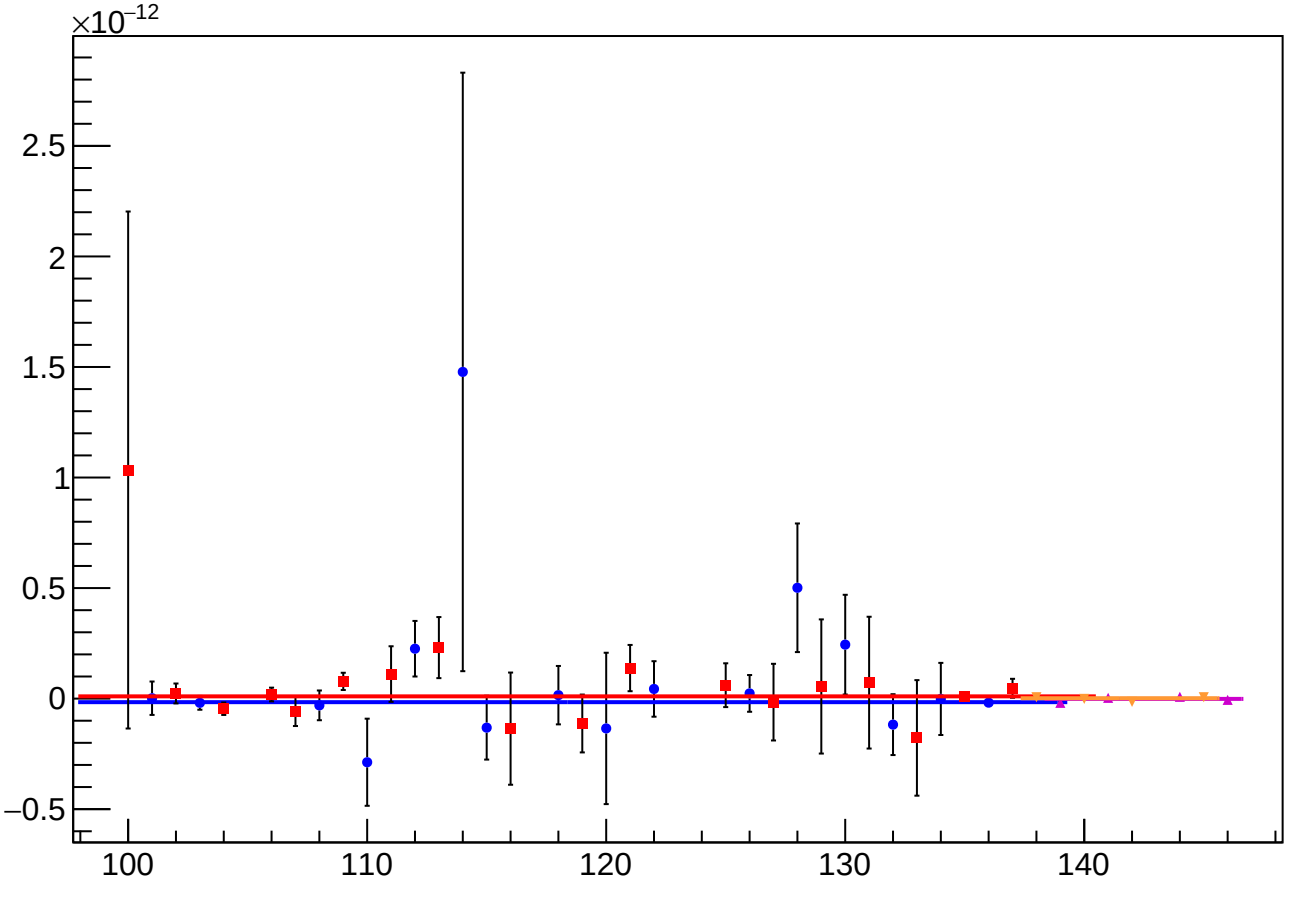
Left: 1812.999+/-0.507 χ^2/NDF: 31555.2/7

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1748.964+/-0.386 χ^2/NDF:969108.6/19

Out: 1715.442+/-0.394 χ^2/NDF:789092.1/21

All: 1732.529+/-0.276 χ^2/NDF: 1761894.3/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/3

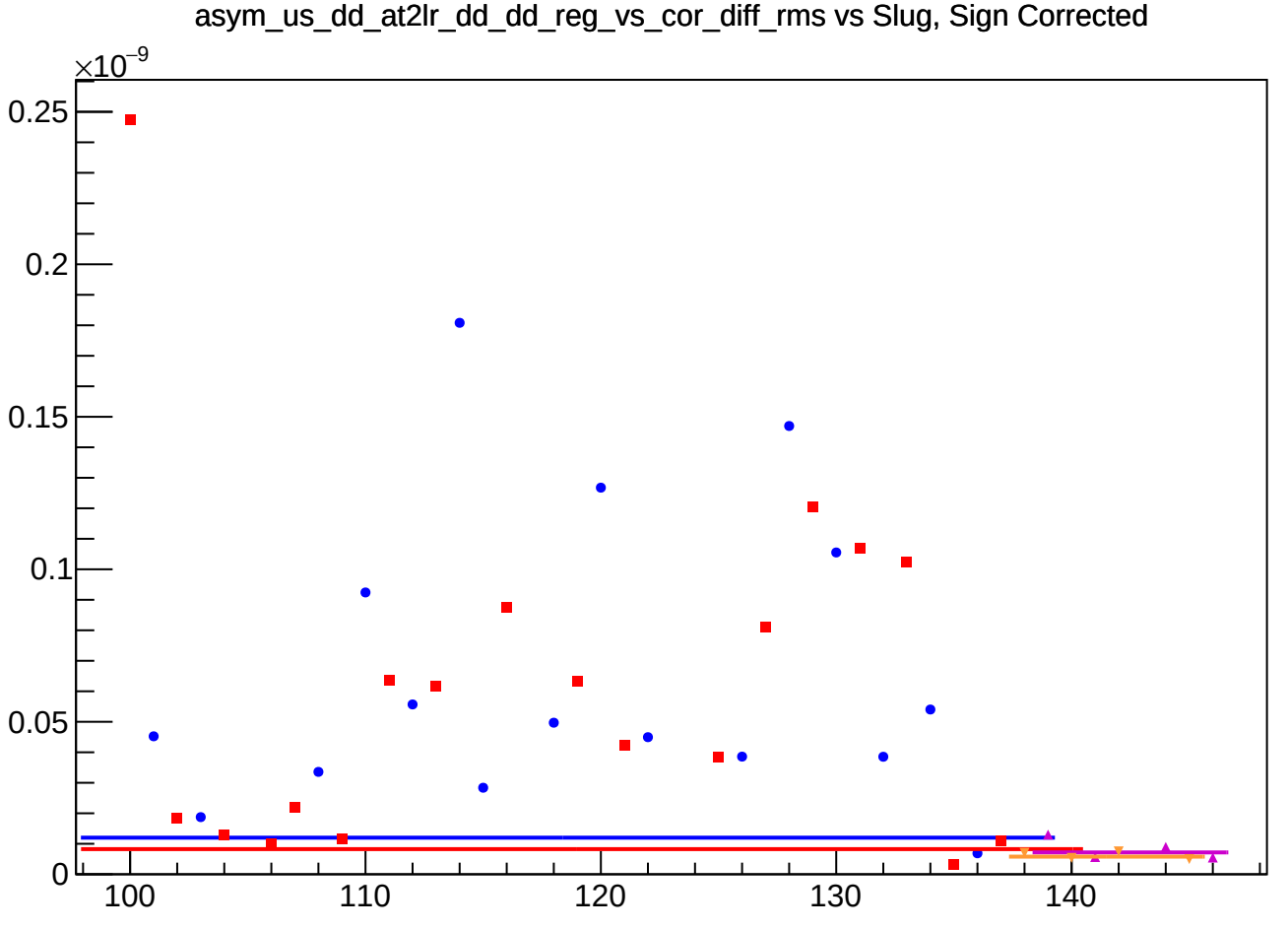
Left: 0.000+/-0.000 χ^2/NDF: 3.4/7

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:16.8/19

Out: 0.000+/-0.000 χ^2/NDF:18.5/21

All: 0.000+/-0.000 χ^2/NDF: 37.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:58051.3/3

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:356969.8/3

Left: 0.000+/-0.000 χ^2/NDF: 471478.4/7

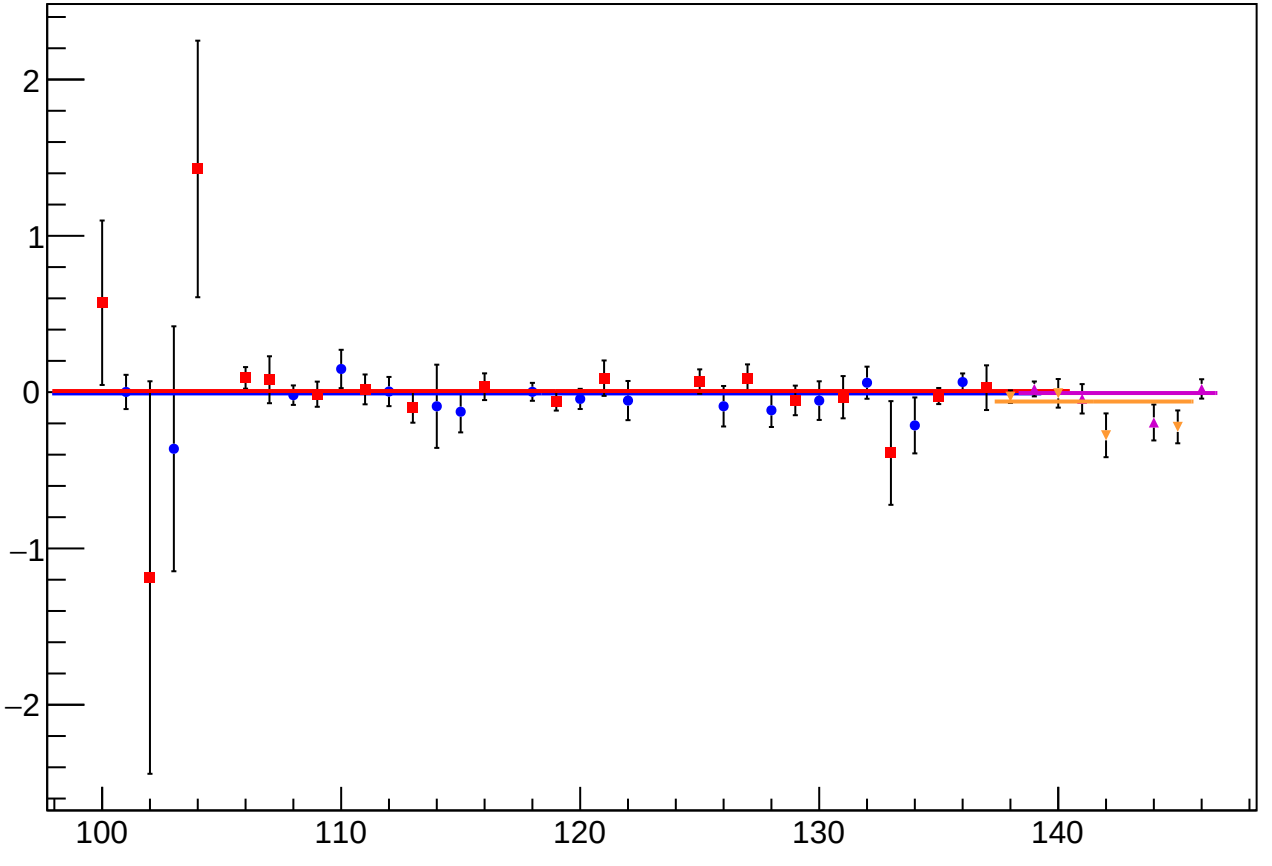
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4113814.0/19

Out: 0.000+/-0.000 χ^2/NDF:3682170.1/21

All: 0.000+/-0.000 χ^2/NDF: 7941597.1/41

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: -0.060+/-0.034 χ^2/NDF:5.7/3

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.034 χ^2/NDF:3.3/3

Left: -0.033+/-0.024 χ^2/NDF: 10.3/7

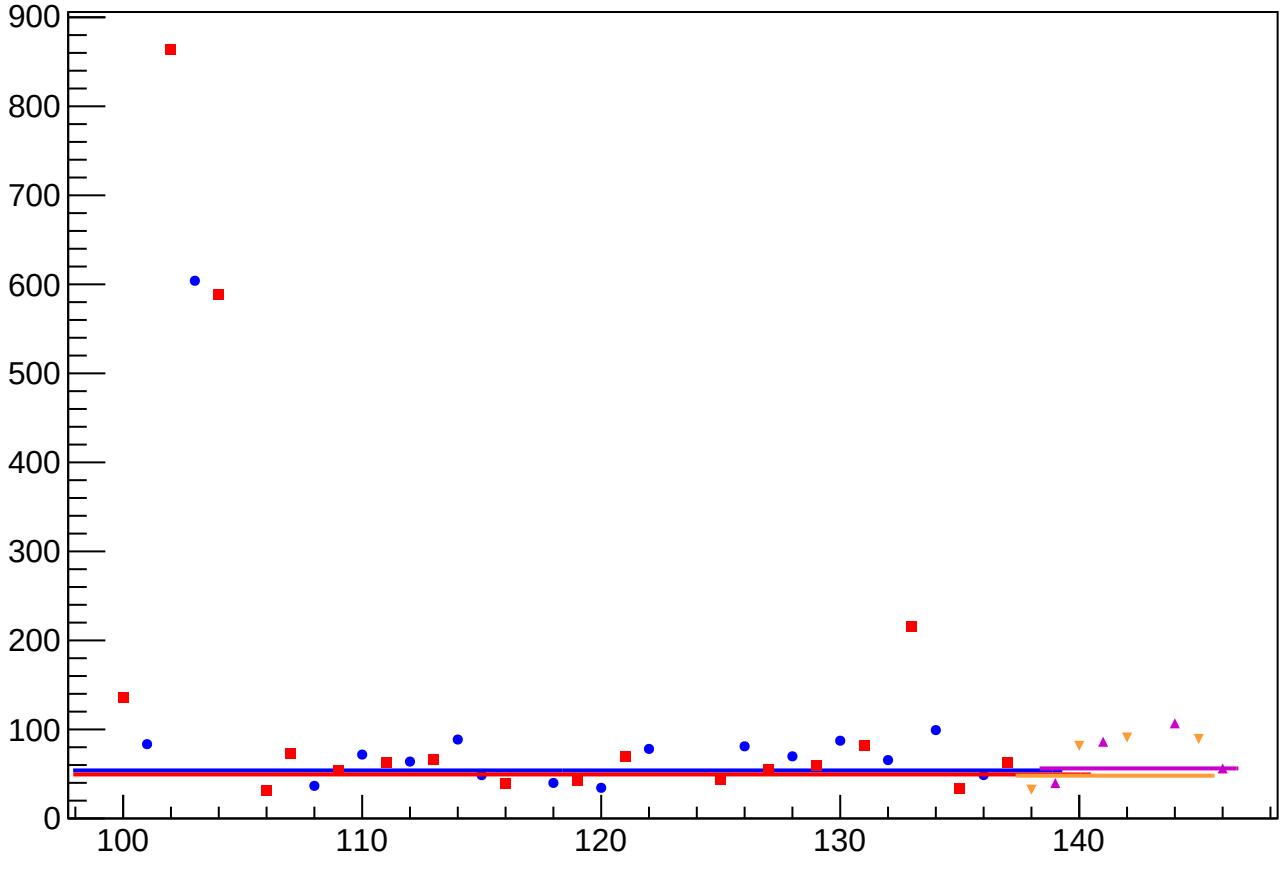
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.019 χ^2/NDF:11.6/19

Out: -0.013+/-0.019 χ^2/NDF:22.1/21

All: -0.010+/-0.013 χ^2/NDF: 33.8/41

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: 48.055+/-0.024 χ^2/NDF:1074582.4/3

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.197+/-0.024 χ^2/NDF:828936.2/3

Left: 52.131+/-0.017 χ^2/NDF: 1962455.2/7

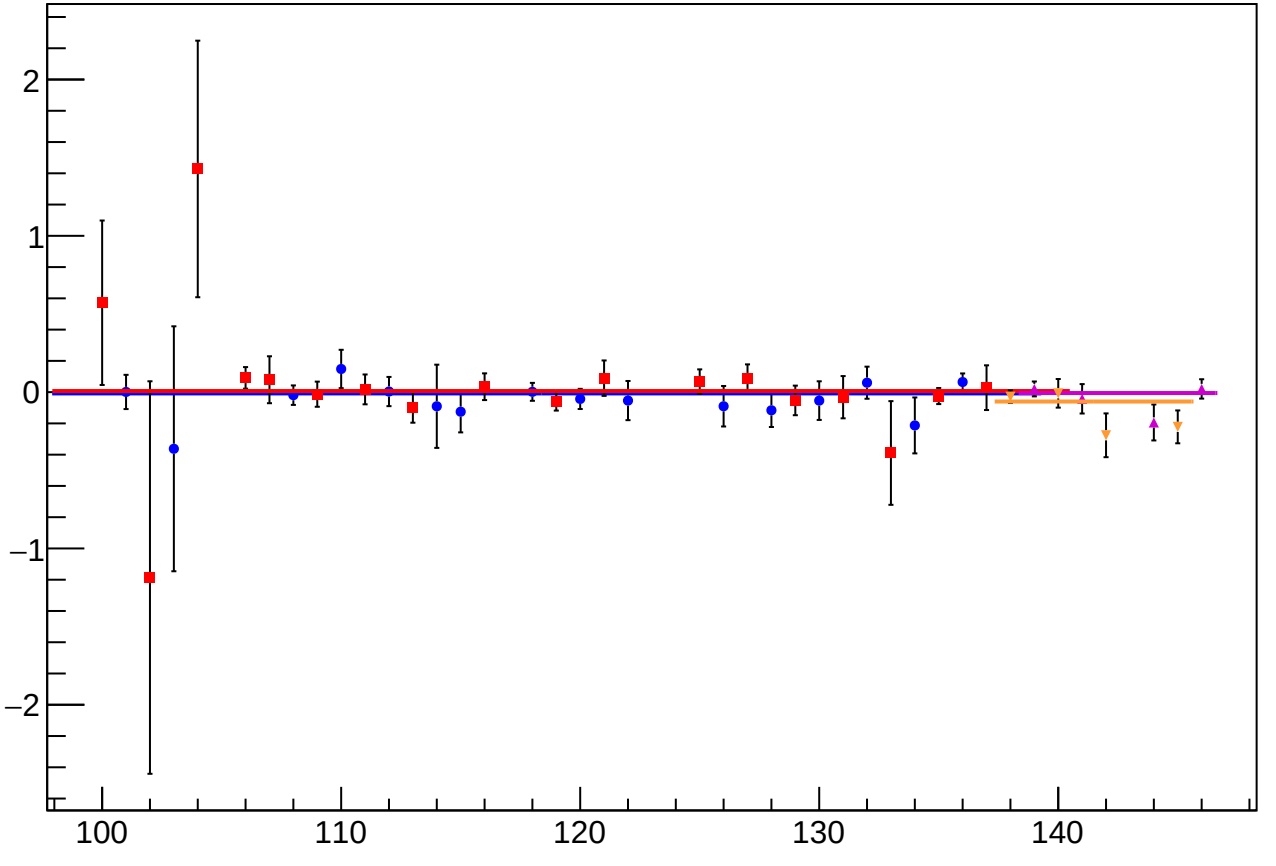
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 54.658+/-0.013 χ^2/NDF:3049506.0/19

Out: 49.004+/-0.013 χ^2/NDF:4094599.4/21

All: 51.756+/-0.009 χ^2/NDF: 7234765.4/41

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: -0.060+/-0.034 χ^2/NDF:5.7/3

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.034 χ^2/NDF:3.3/3

Left: -0.033+/-0.024 χ^2/NDF: 10.3/7

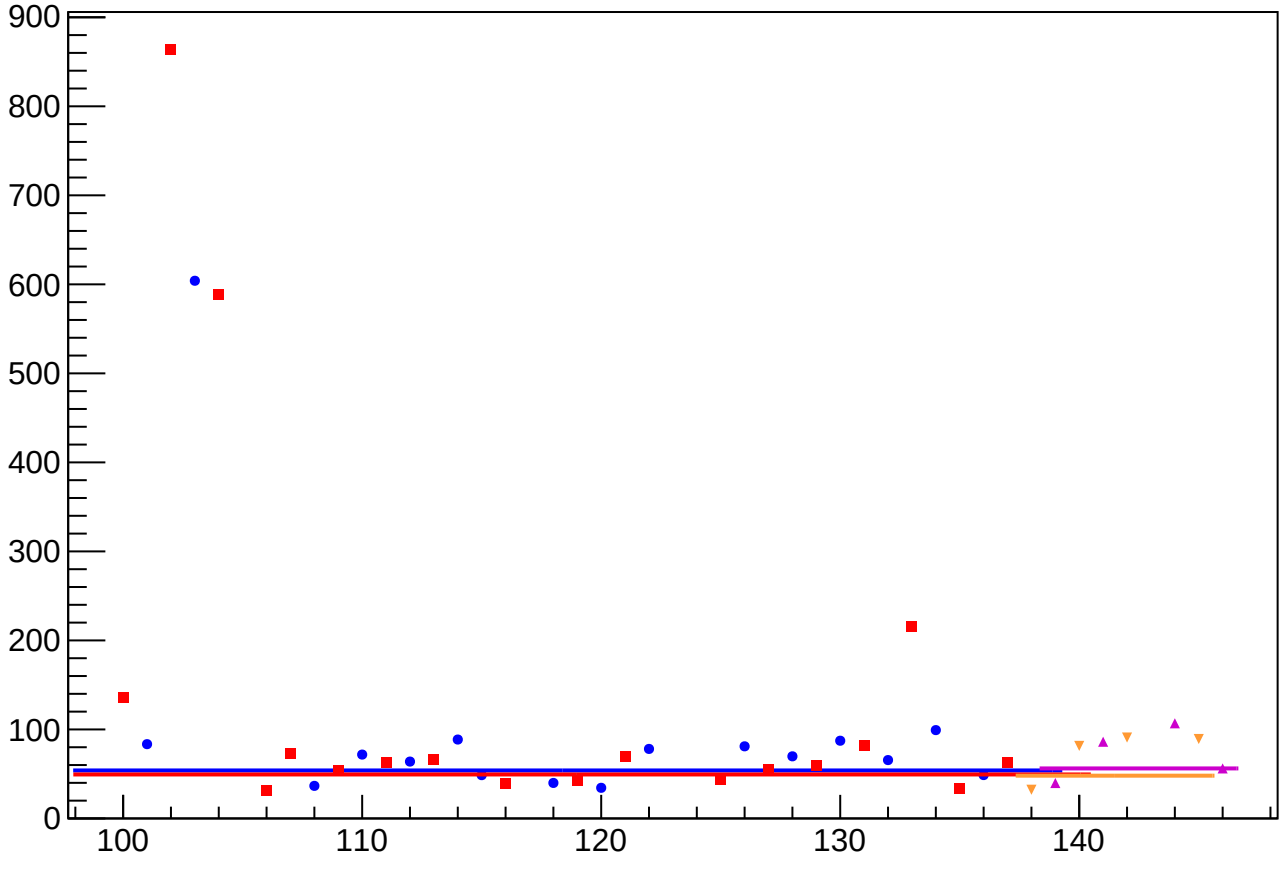
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.019 χ^2/NDF:11.6/19

Out: -0.013+/-0.019 χ^2/NDF:22.1/21

All: -0.010+/-0.013 χ^2/NDF: 33.8/41

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: 48.055+/-0.024 χ^2/NDF:1074582.4/3

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.197+/-0.024 χ^2/NDF:828936.2/3

Left: 52.131+/-0.017 χ^2/NDF: 1962455.2/7

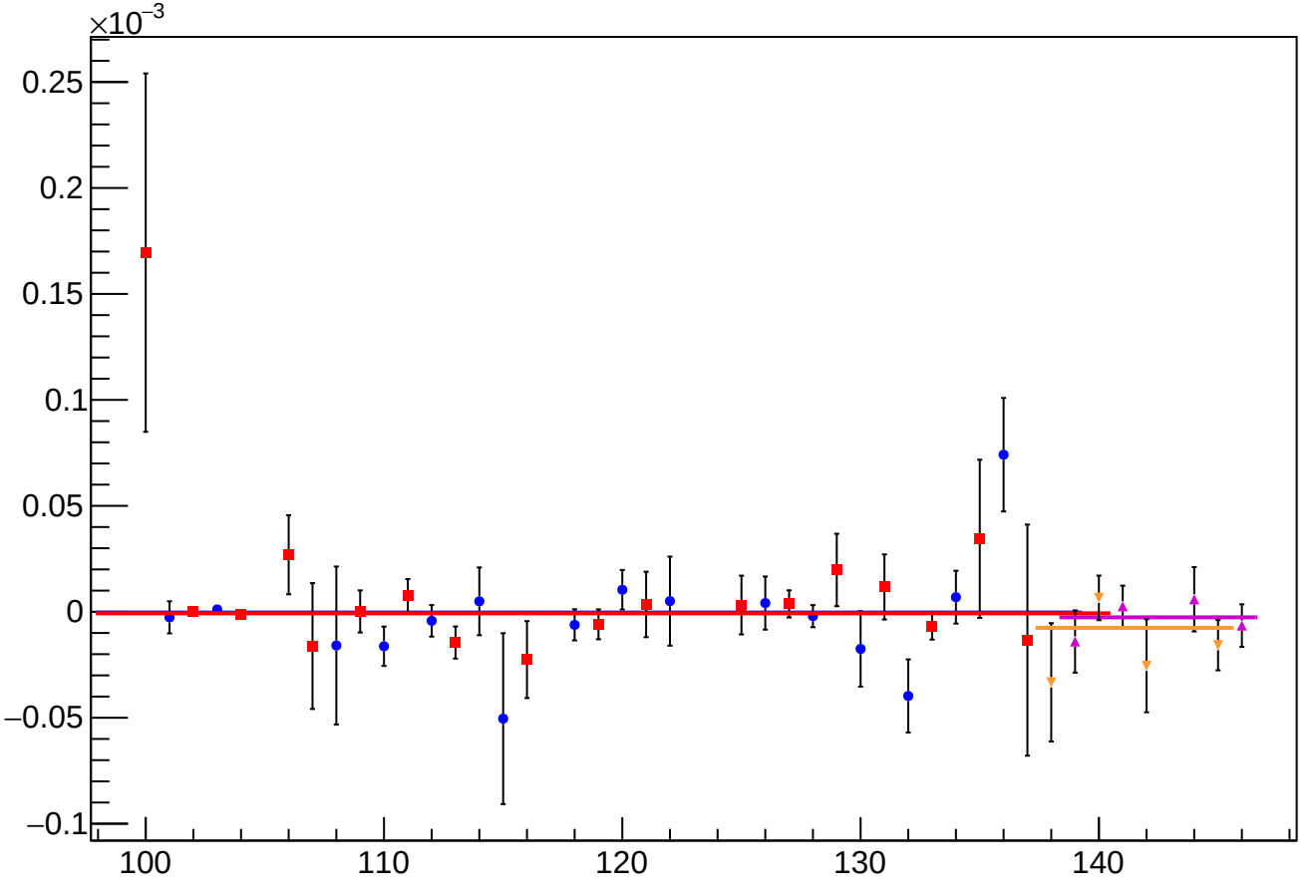
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 54.658+/-0.013 χ^2/NDF:3049506.0/19

Out: 49.004+/-0.013 χ^2/NDF:4094599.4/21

All: 51.756+/-0.009 χ^2/NDF: 7234765.4/41

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

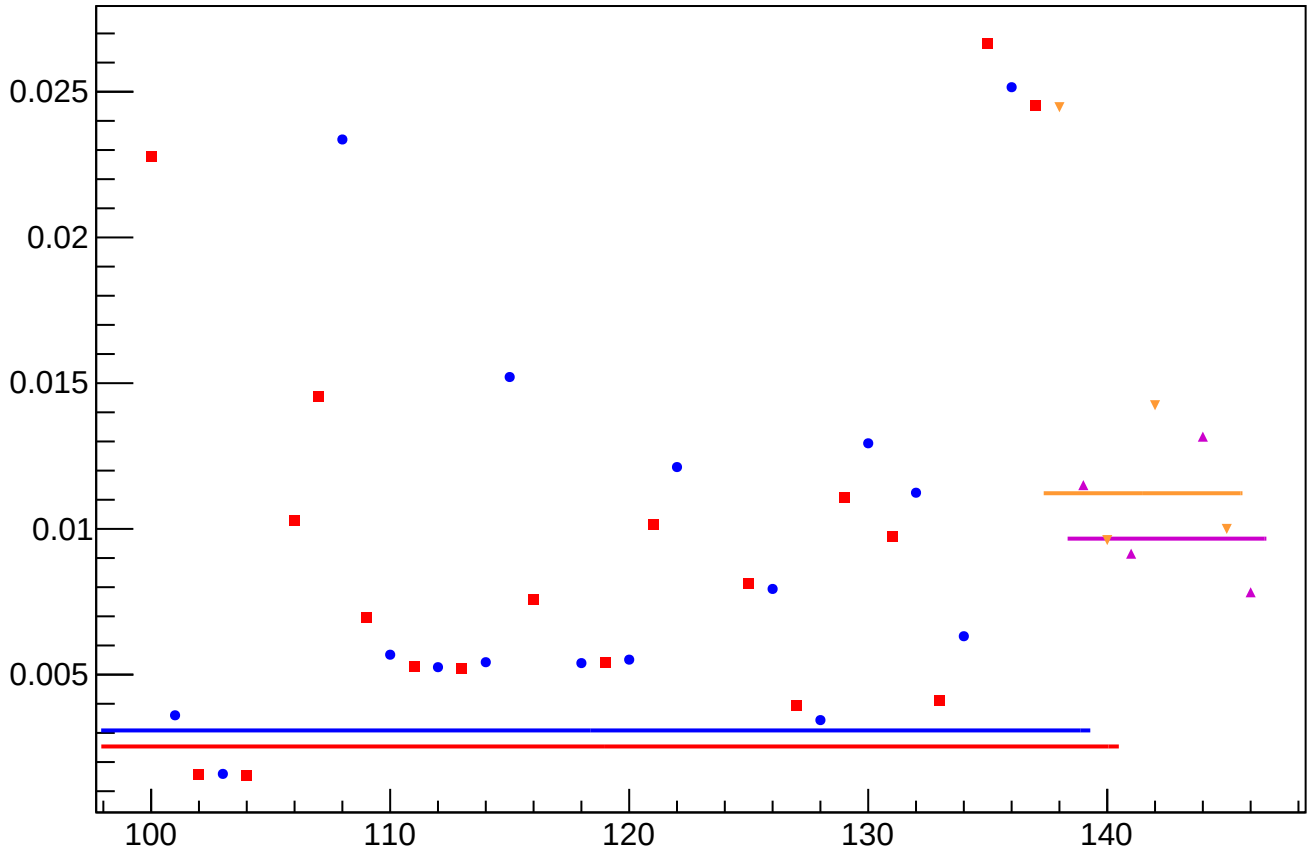
Left: -0.000+/-0.000 χ^2/NDF: 5.4/7

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:23.6/19

Out: -0.000+/-0.000 χ^2/NDF:22.5/21

All: -0.000+/-0.000 χ^2/NDF: 46.2/41



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.011+/-0.000 χ^2/NDF:555877.6/3

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.010+/-0.000 χ^2/NDF:210520.7/3

Left: 0.010+/-0.000 χ^2/NDF: 823334.7/7

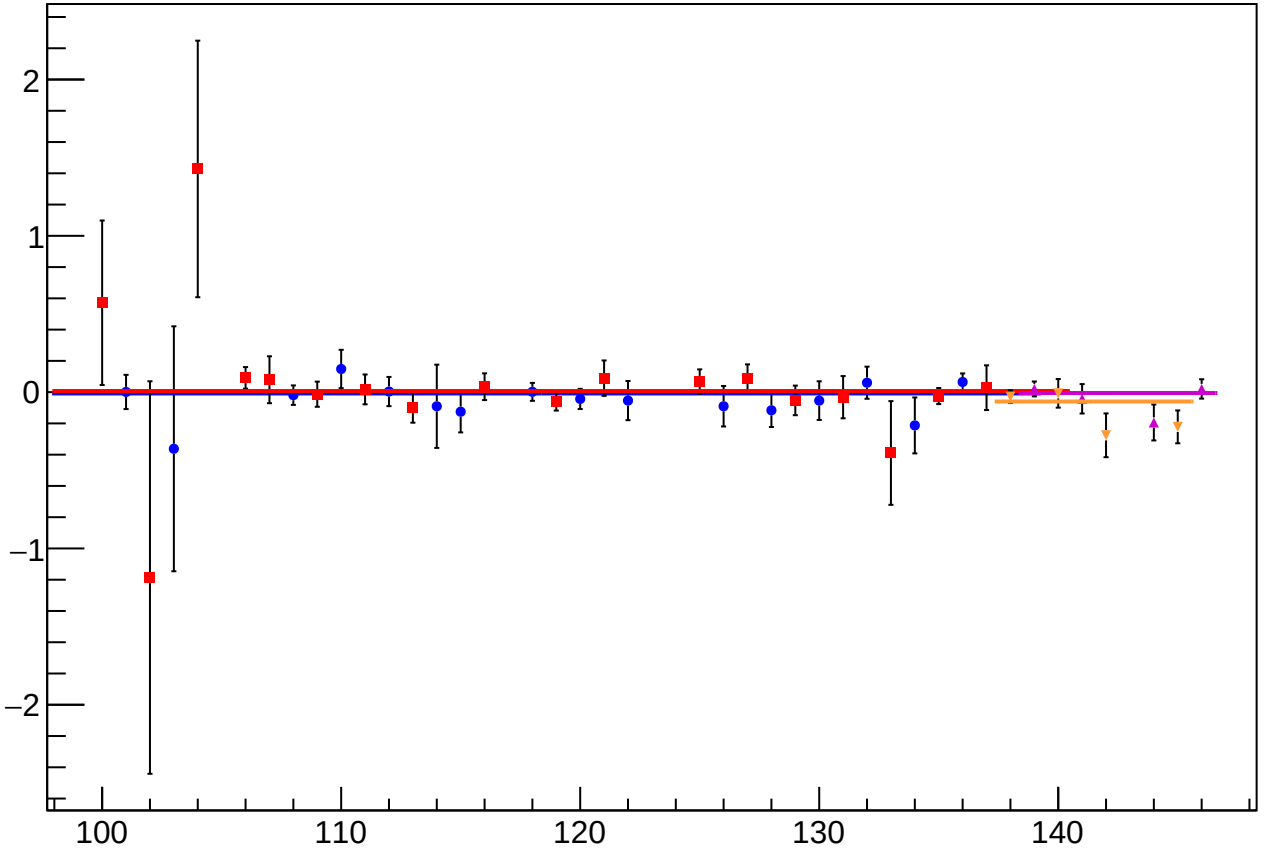
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:8355324.1/19

Out: 0.003+/-0.000 χ^2/NDF:9648532.2/21

All: 0.003+/-0.000 χ^2/NDF: 18291042.1/41

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: -0.060+/-0.034 χ^2/NDF:5.7/3

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.034 χ^2/NDF:3.3/3

Left: -0.033+/-0.024 χ^2/NDF: 10.3/7

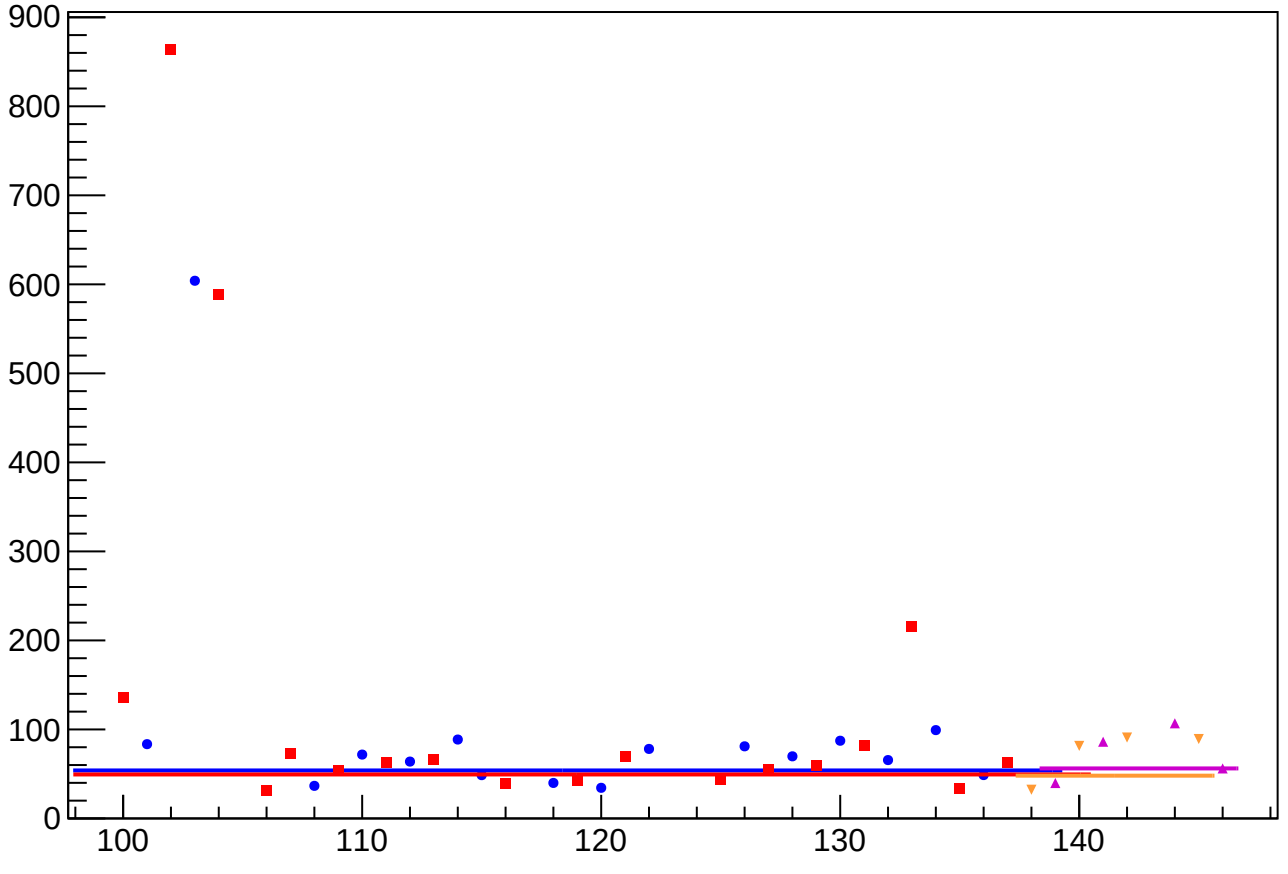
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.019 χ^2/NDF:11.6/19

Out: -0.013+/-0.019 χ^2/NDF:22.1/21

All: -0.010+/-0.013 χ^2/NDF: 33.8/41

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: 48.065+/-0.024 χ^2/NDF:1074101.1/3

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.197+/-0.024 χ^2/NDF:828944.2/3

Left: 52.137+/-0.017 χ^2/NDF: 1961841.8/7

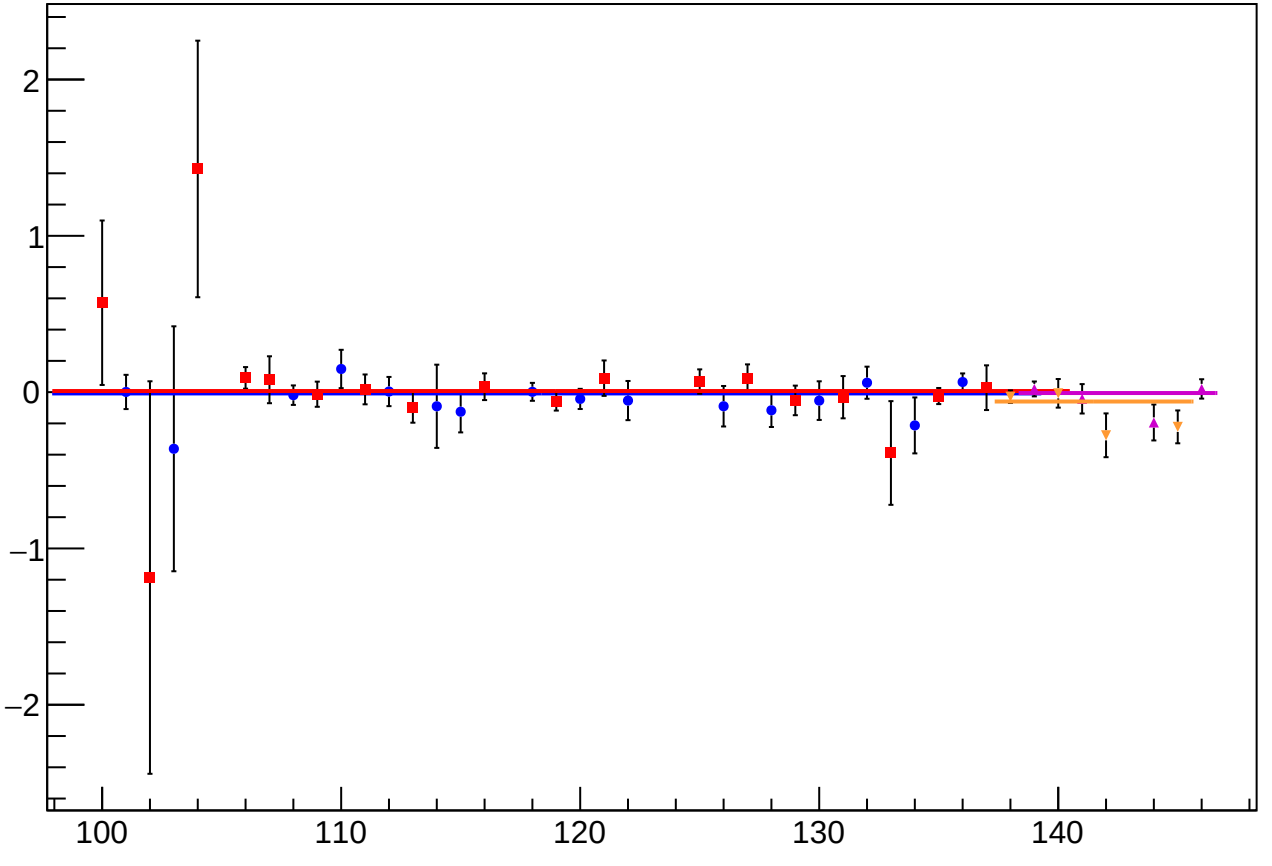
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 54.660+/-0.013 χ^2/NDF:3049099.8/19

Out: 49.008+/-0.013 χ^2/NDF:4093813.5/21

All: 51.760+/-0.009 χ^2/NDF: 7233502.4/41

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: -0.060+/-0.034 χ^2/NDF:5.7/3

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.034 χ^2/NDF:3.3/3

Left: -0.033+/-0.024 χ^2/NDF: 10.3/7

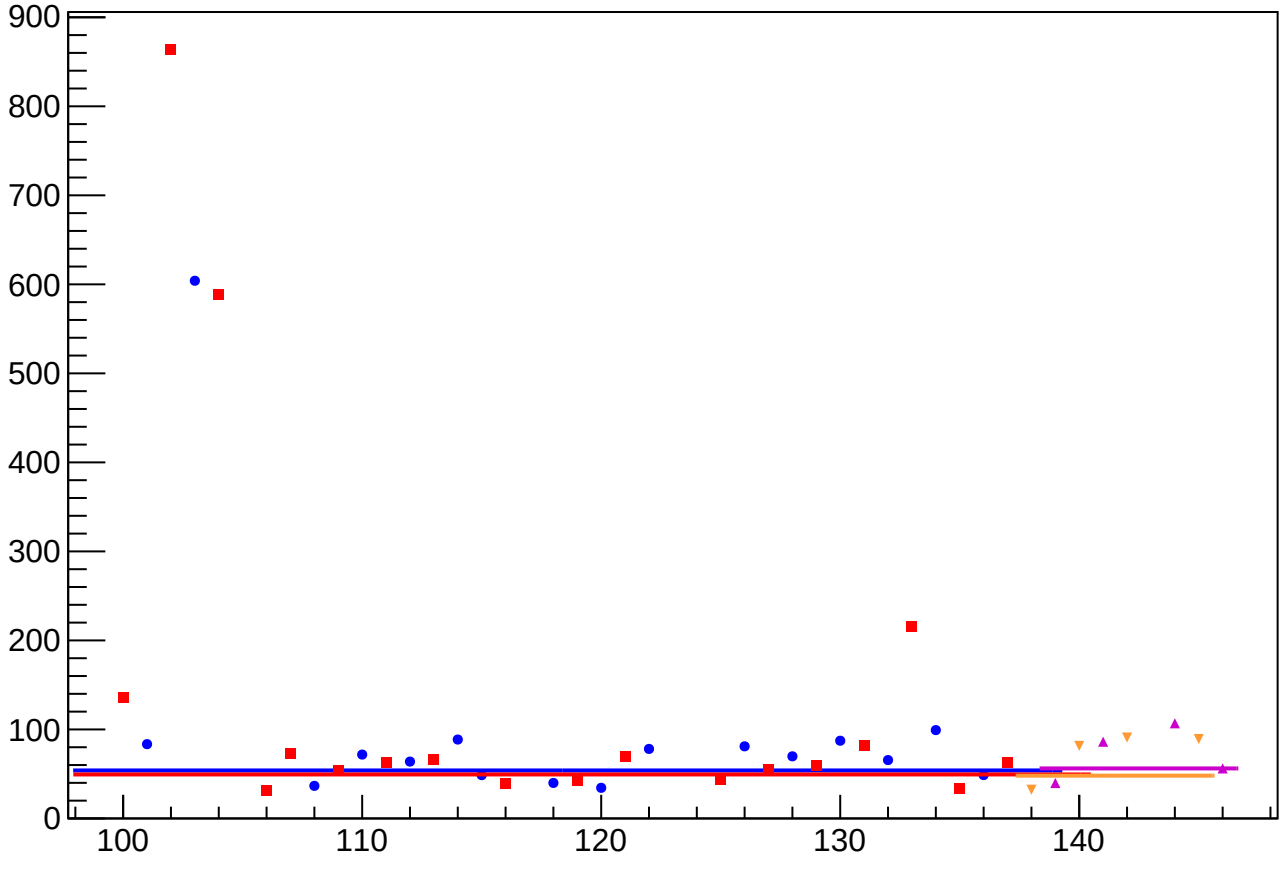
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.019 χ^2/NDF:11.6/19

Out: -0.013+/-0.019 χ^2/NDF:22.1/21

All: -0.010+/-0.013 χ^2/NDF: 33.8/41

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: 48.065+/-0.024 χ^2/NDF:1074101.1/3

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.197+/-0.024 χ^2/NDF:828944.2/3

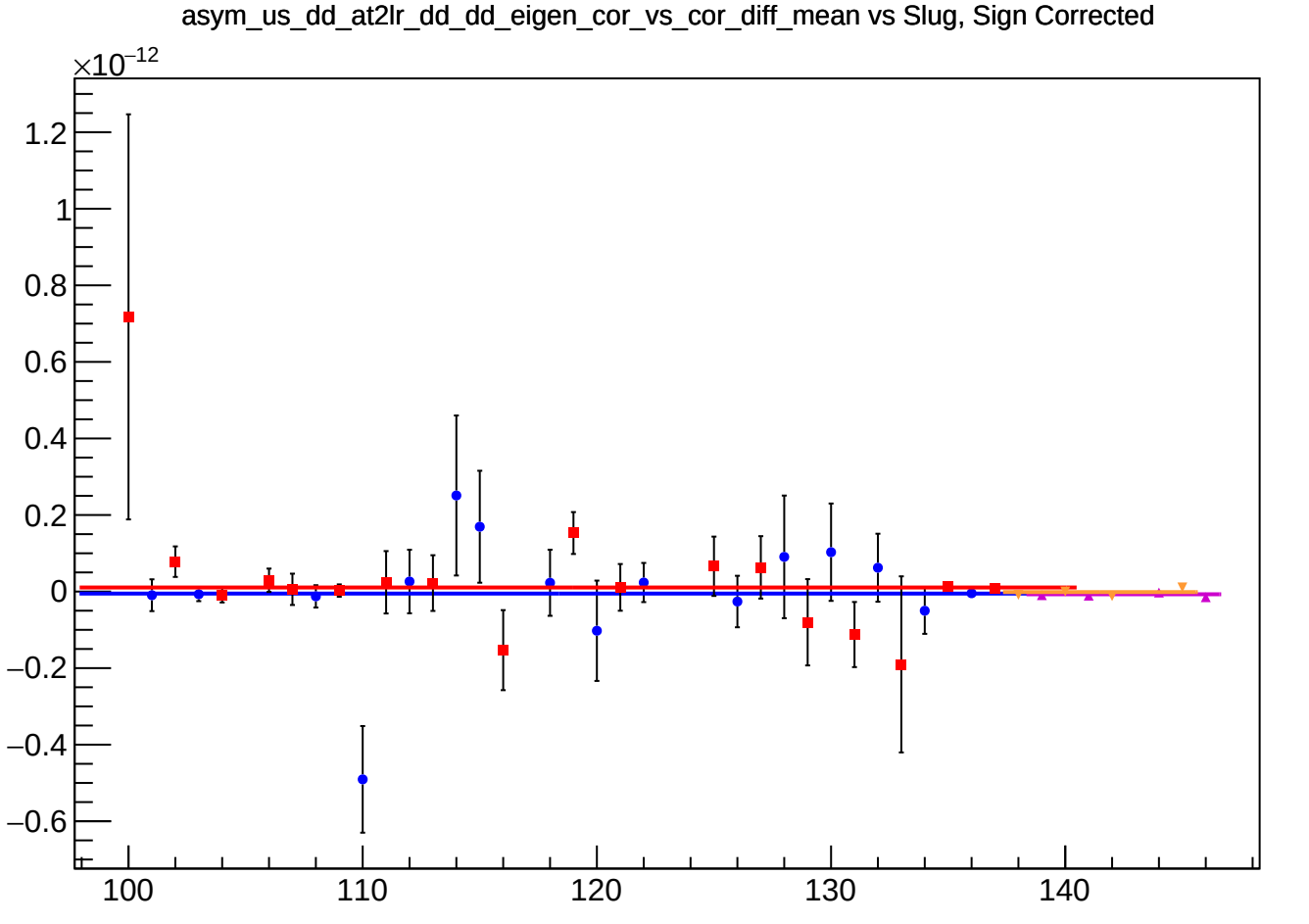
Left: 52.137+/-0.017 χ^2/NDF: 1961841.8/7

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 54.660+/-0.013 χ^2/NDF:3049099.8/19

Out: 49.008+/-0.013 χ^2/NDF:4093813.5/21

All: 51.760+/-0.009 χ^2/NDF: 7233502.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/3

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/3

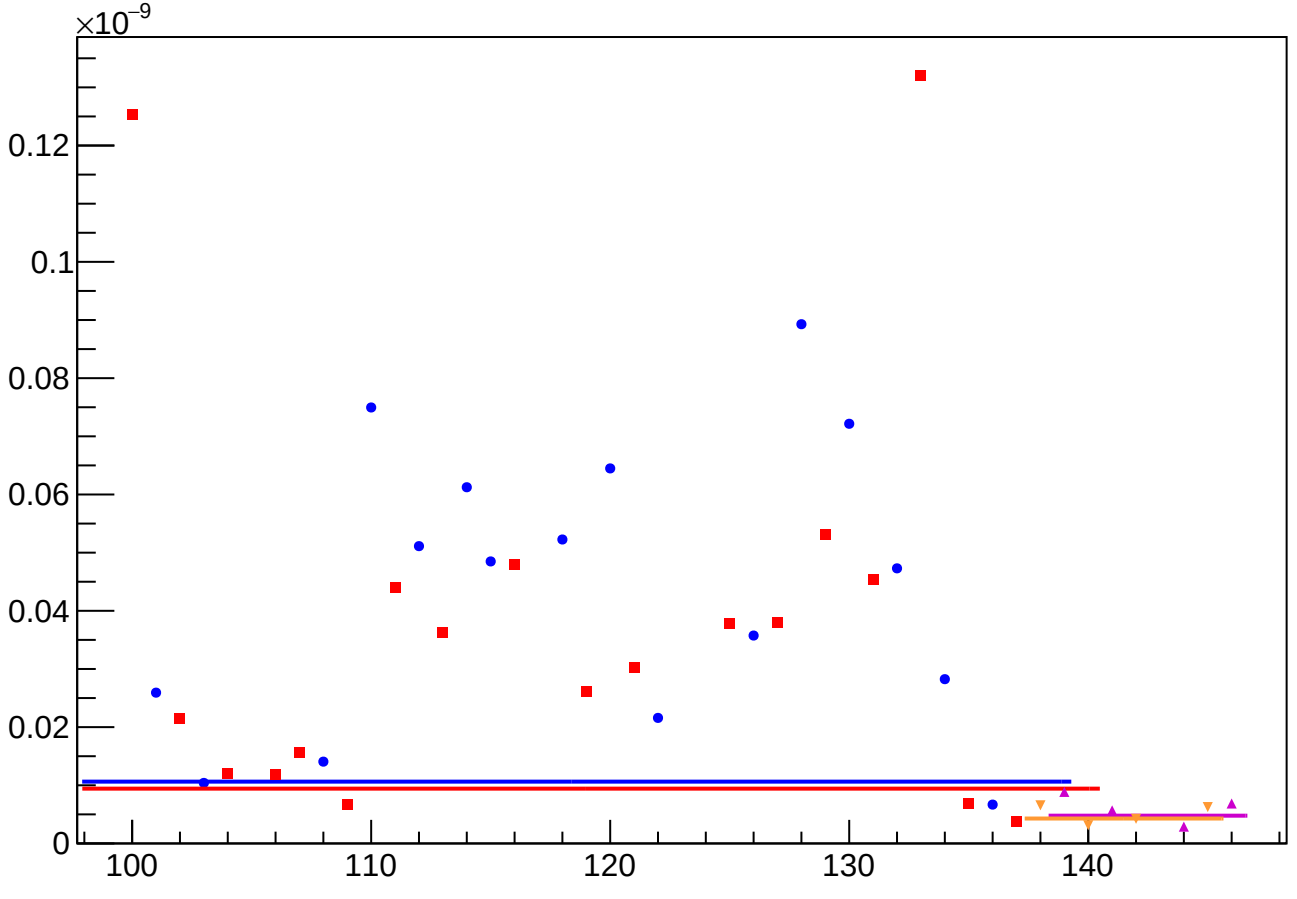
Left: -0.000+/-0.000 χ^2/NDF: 7.9/7

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:20.6/19

Out: 0.000+/-0.000 χ^2/NDF:27.4/21

All: -0.000+/-0.000 χ^2/NDF: 51.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:364597.2/3

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:710956.4/3

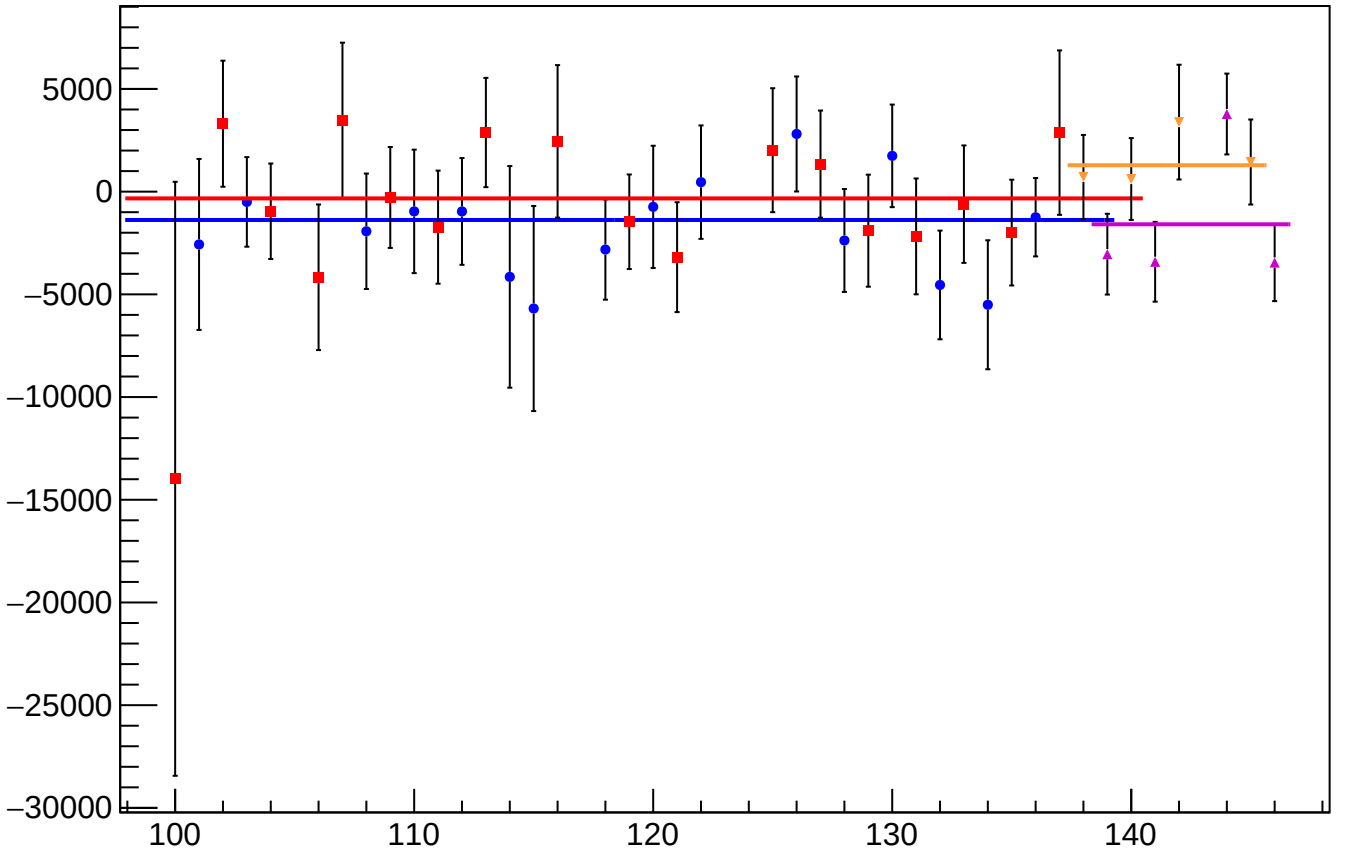
Left: 0.000+/-0.000 χ^2/NDF: 1096069.8/7

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:6433086.2/19

Out: 0.000+/-0.000 χ^2/NDF:5389921.3/21

All: 0.000+/-0.000 χ^2/NDF: 11861374.5/41



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1285.588+/-1082.869 χ^2/NDF:0.8/3

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -1589.123+/-969.087 χ^2/NDF:9.9/3

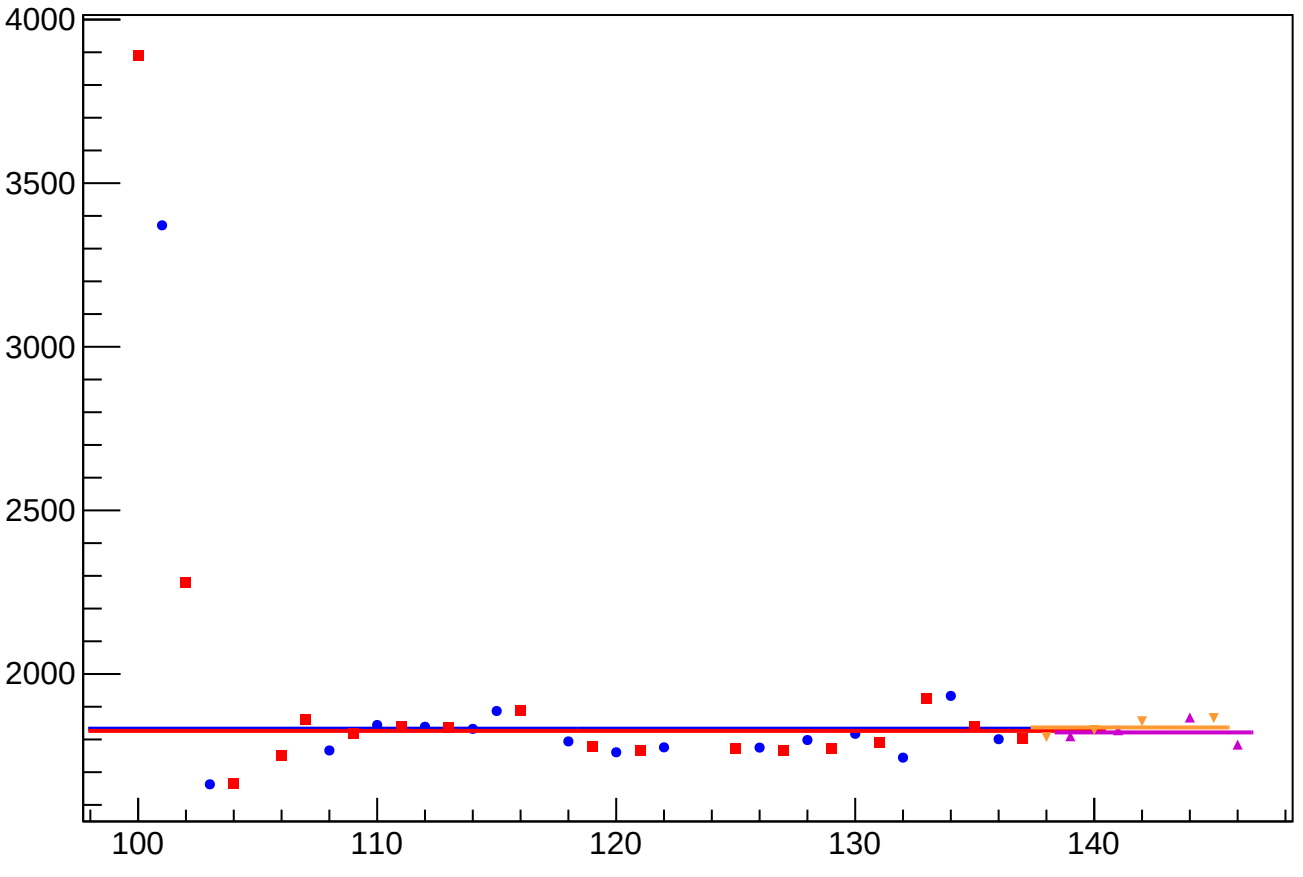
Left: -310.684+/-722.136 χ^2/NDF: 14.5/7

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1449.395+/-561.555 χ^2/NDF:19.2/19

Out: 131.534+/-578.227 χ^2/NDF:13.4/21

All: -682.050+/-402.845 χ^2/NDF: 36.4/41



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1836.694+/-0.766 χ^2/NDF:925.7/3

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

Left: 1828.283+/-0.511 χ^2/NDF: 3101.1/7

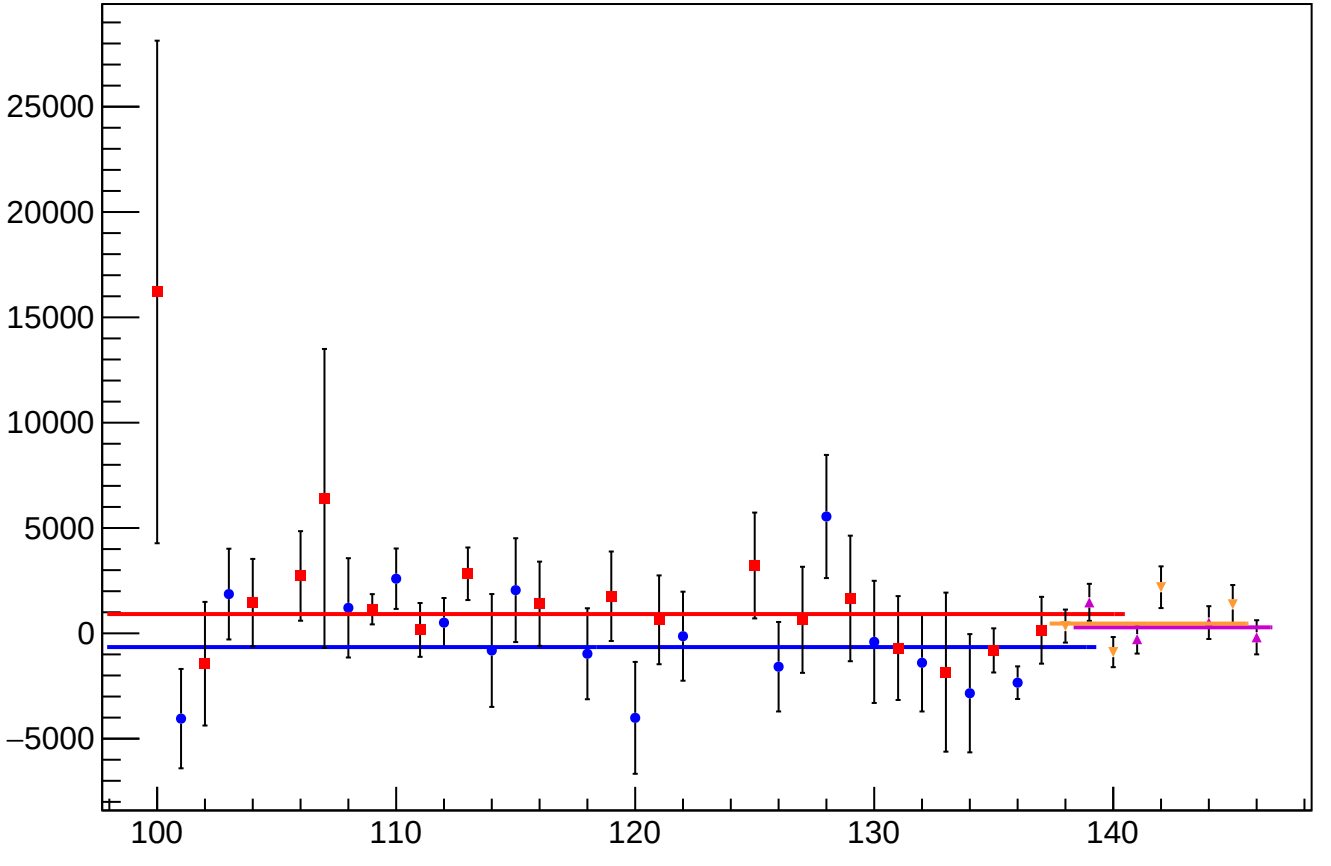
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1829.119+/-0.397 χ^2/NDF:297581.4/19

Out: 1829.198+/-0.409 χ^2/NDF:104066.3/21

All: 1829.157+/-0.285 χ^2/NDF: 401647.7/41

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: 464.689+/-415.718 χ^2/NDF:7.6/3

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 284.392+/-389.564 χ^2/NDF:2.9/3

Left: 368.691+/-284.260 χ^2/NDF: 10.6/7

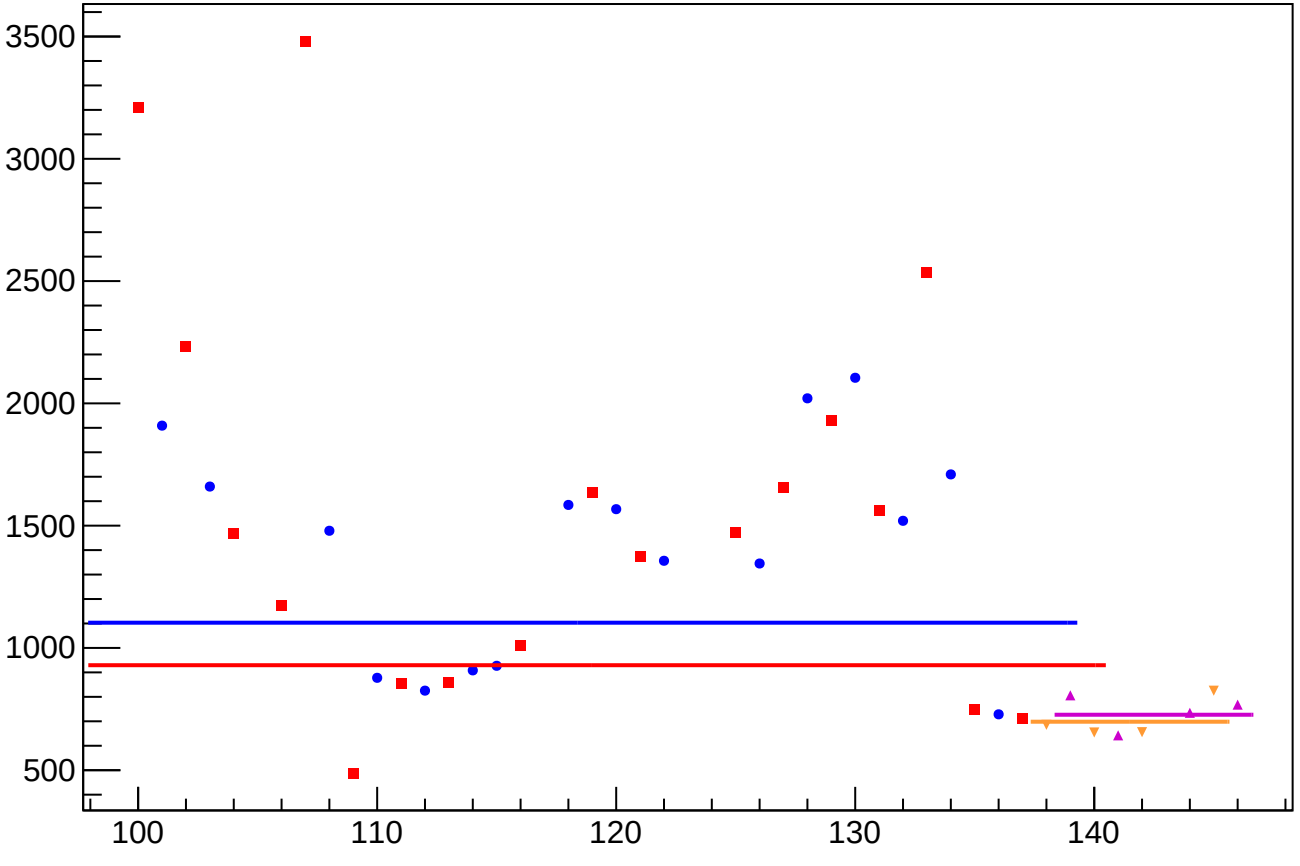
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -124.827+/-292.292 χ^2/NDF:28.7/19

Out: 702.095+/-285.748 χ^2/NDF:19.8/21

All: 297.993+/-204.329 χ^2/NDF: 52.5/41

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: 698.317+/-0.294 χ^2/NDF:50004.8/3

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 726.814+/-0.275 χ^2/NDF:51869.5/3

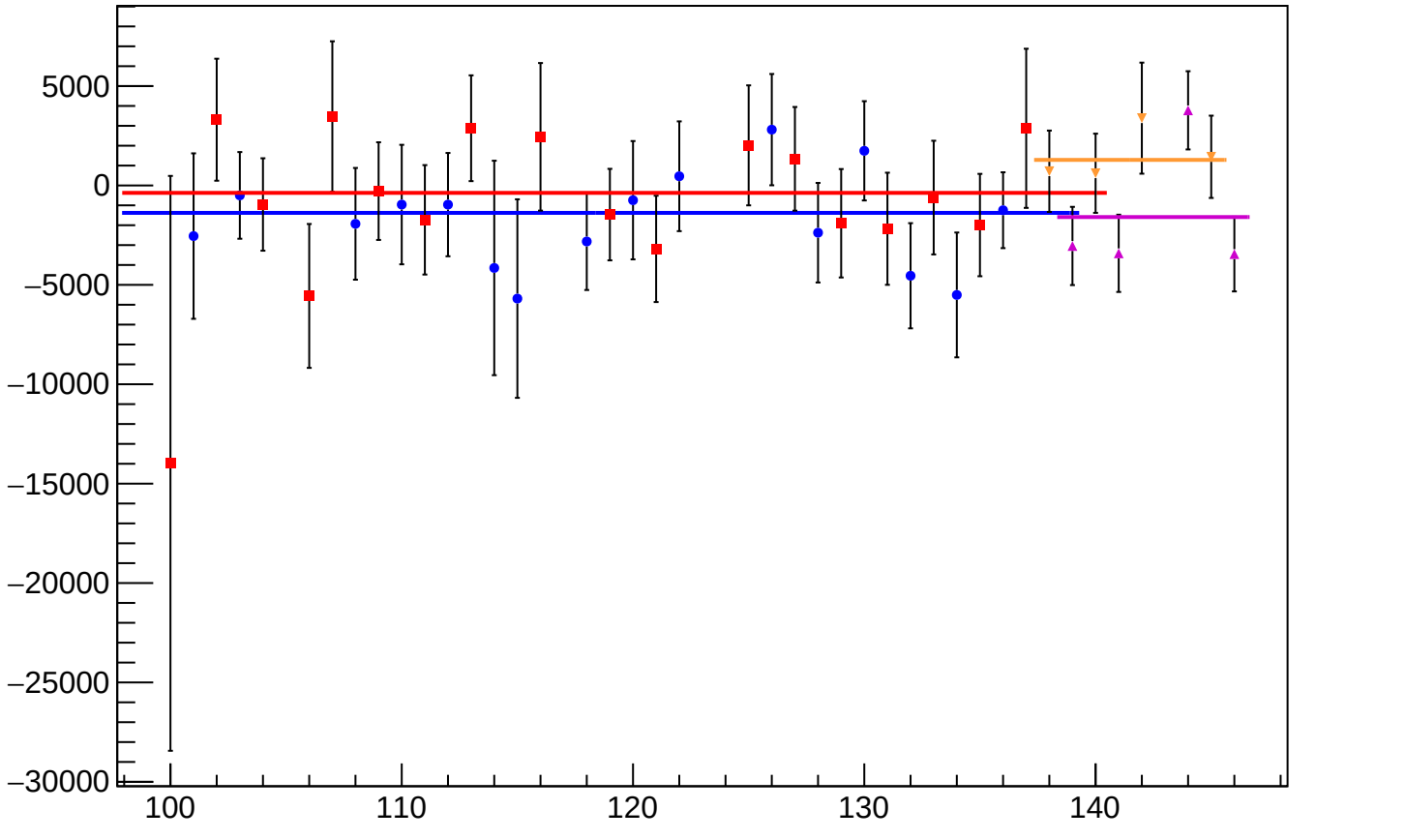
Left: 713.490+/-0.201 χ^2/NDF: 106878.3/7

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 891.303+/-0.207 χ^2/NDF:2745921.9/19

Out: 820.199+/-0.202 χ^2/NDF:3429976.0/21

All: 854.946+/-0.144 χ^2/NDF: 6236416.4/41



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1285.722+/-1082.869 χ^2/NDF:0.8/3

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1589.293+/-969.087 χ^2/NDF:9.9/3

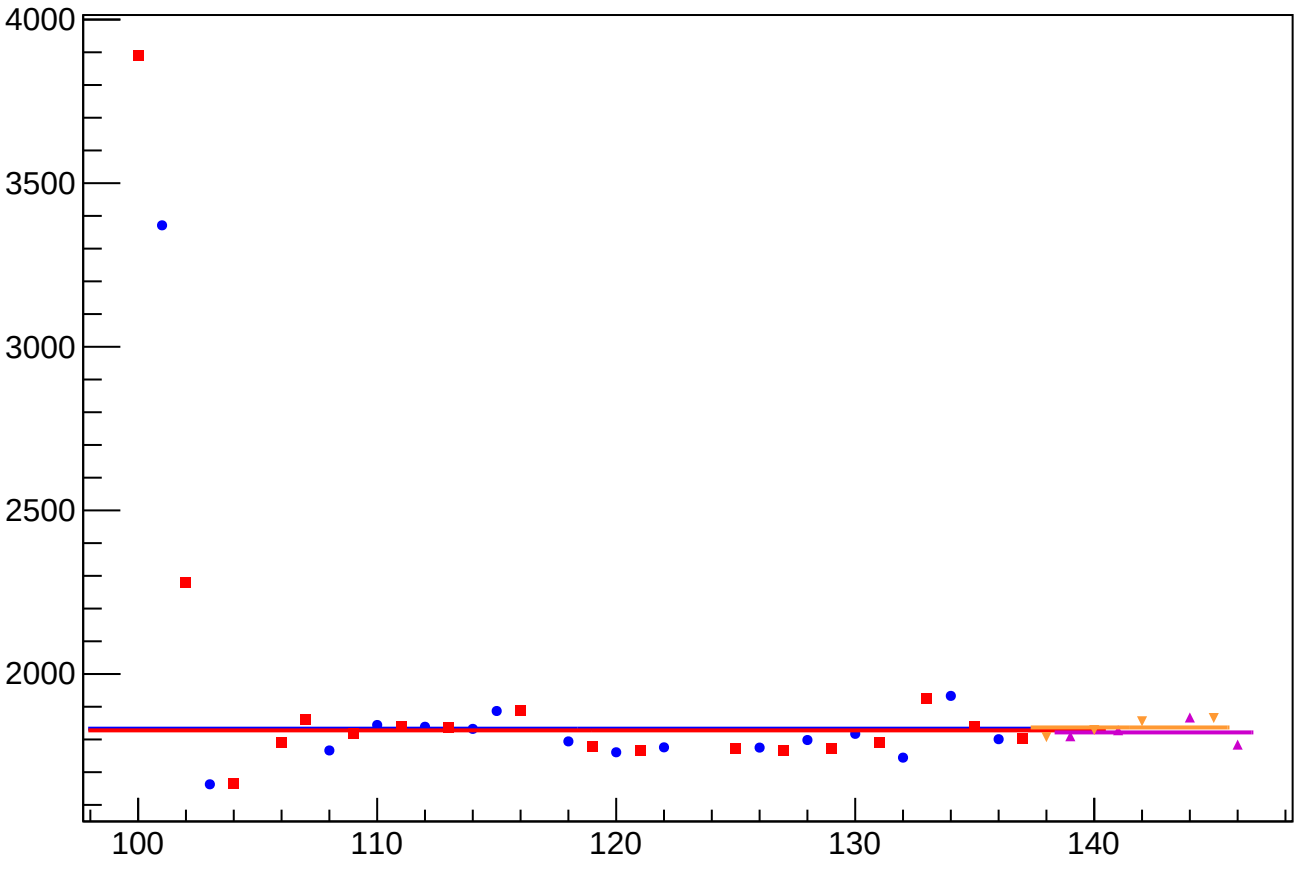
Left: -310.718+/-722.136 χ^2/NDF: 14.5/7

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1449.037+/-561.556 χ^2/NDF:19.2/19

Out: 100.801+/-578.541 χ^2/NDF:14.4/21

All: -697.203+/-402.951 χ^2/NDF: 37.3/41



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1836.694+/-0.766 χ^2/NDF:925.7/3

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

Left: 1828.283+/-0.511 χ^2/NDF: 3101.1/7

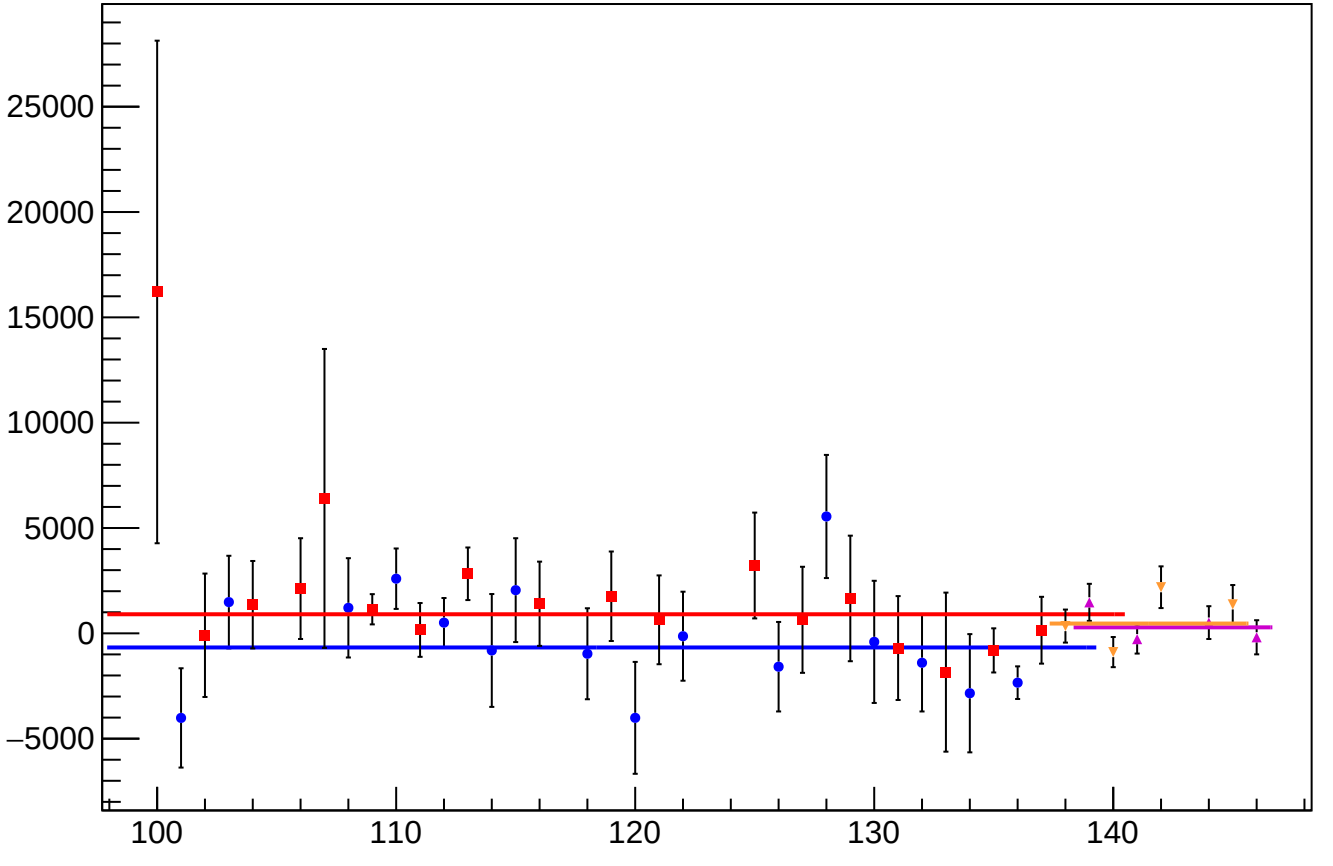
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1829.119+/-0.397 χ^2/NDF:297583.2/19

Out: 1830.328+/-0.409 χ^2/NDF:103292.7/21

All: 1829.705+/-0.285 χ^2/NDF: 400880.4/41

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: 464.594+/-415.724 χ^2/NDF:7.6/3

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 284.346+/-389.562 χ^2/NDF:2.9/3

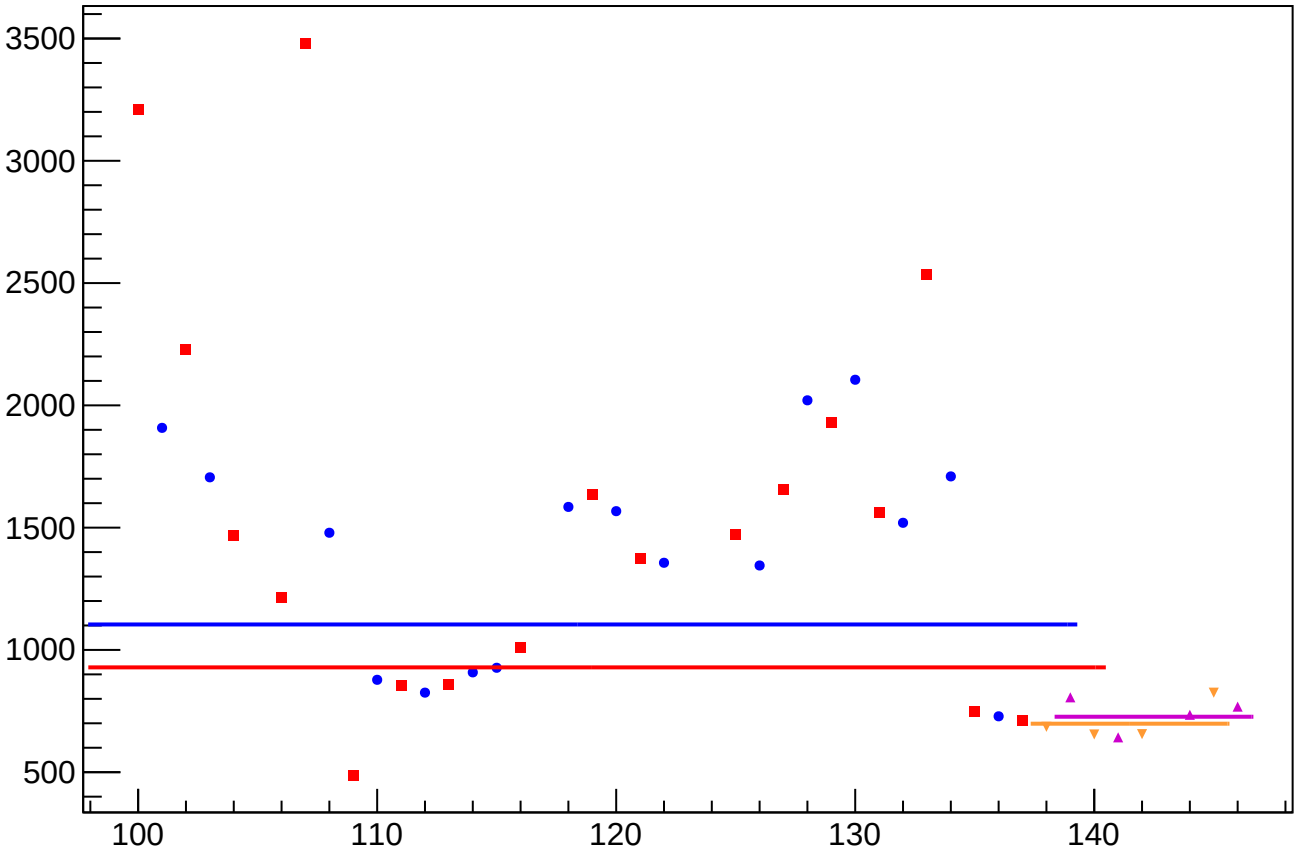
Left: 368.620+/-284.261 χ^2/NDF: 10.6/7

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -132.584+/-292.398 χ^2/NDF:28.3/19

Out: 696.610+/-286.283 χ^2/NDF:18.7/21

All: 290.775+/-204.560 χ^2/NDF: 51.1/41



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 698.327+/-0.294 χ^2/NDF:50002.4/3

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 726.810+/-0.275 χ^2/NDF:51888.5/3

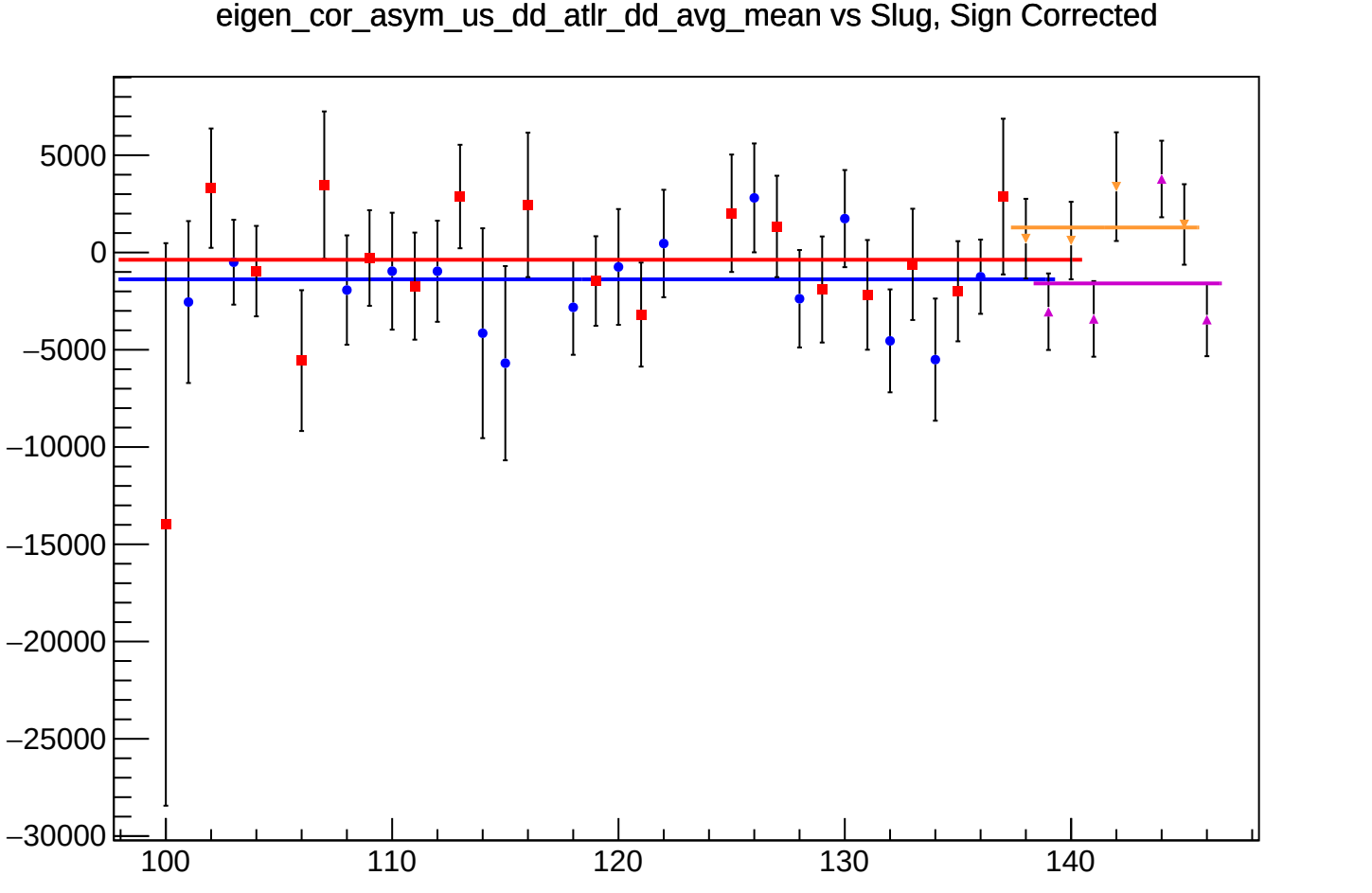
Left: 713.493+/-0.201 χ^2/NDF: 106889.6/7

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 891.546+/-0.207 χ^2/NDF:2765487.1/19

Out: 819.415+/-0.202 χ^2/NDF:3427098.3/21

All: 854.719+/-0.145 χ^2/NDF: 6254726.8/41



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 1285.722+/-1082.869 χ^2/NDF:0.8/3

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1589.293+/-969.087 χ^2/NDF:9.9/3

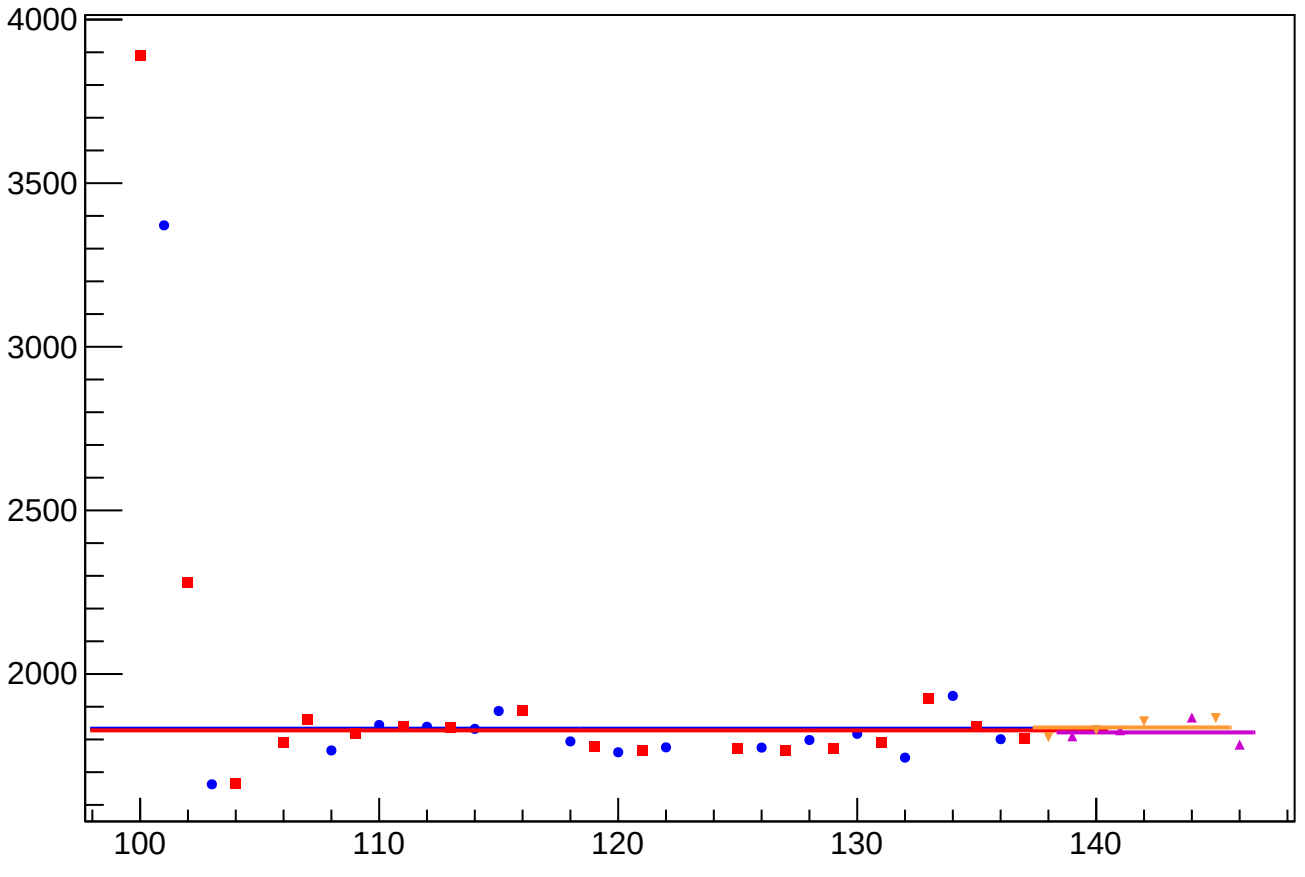
Left: -310.718+/-722.136 χ^2/NDF: 14.5/7

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1449.037+/-561.556 χ^2/NDF:19.2/19

Out: 100.801+/-578.541 χ^2/NDF:14.4/21

All: -697.203+/-402.951 χ^2/NDF: 37.3/41



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1836.694+/-0.766 χ^2/NDF:925.7/3

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

Left: 1828.283+/-0.511 χ^2/NDF: 3101.1/7

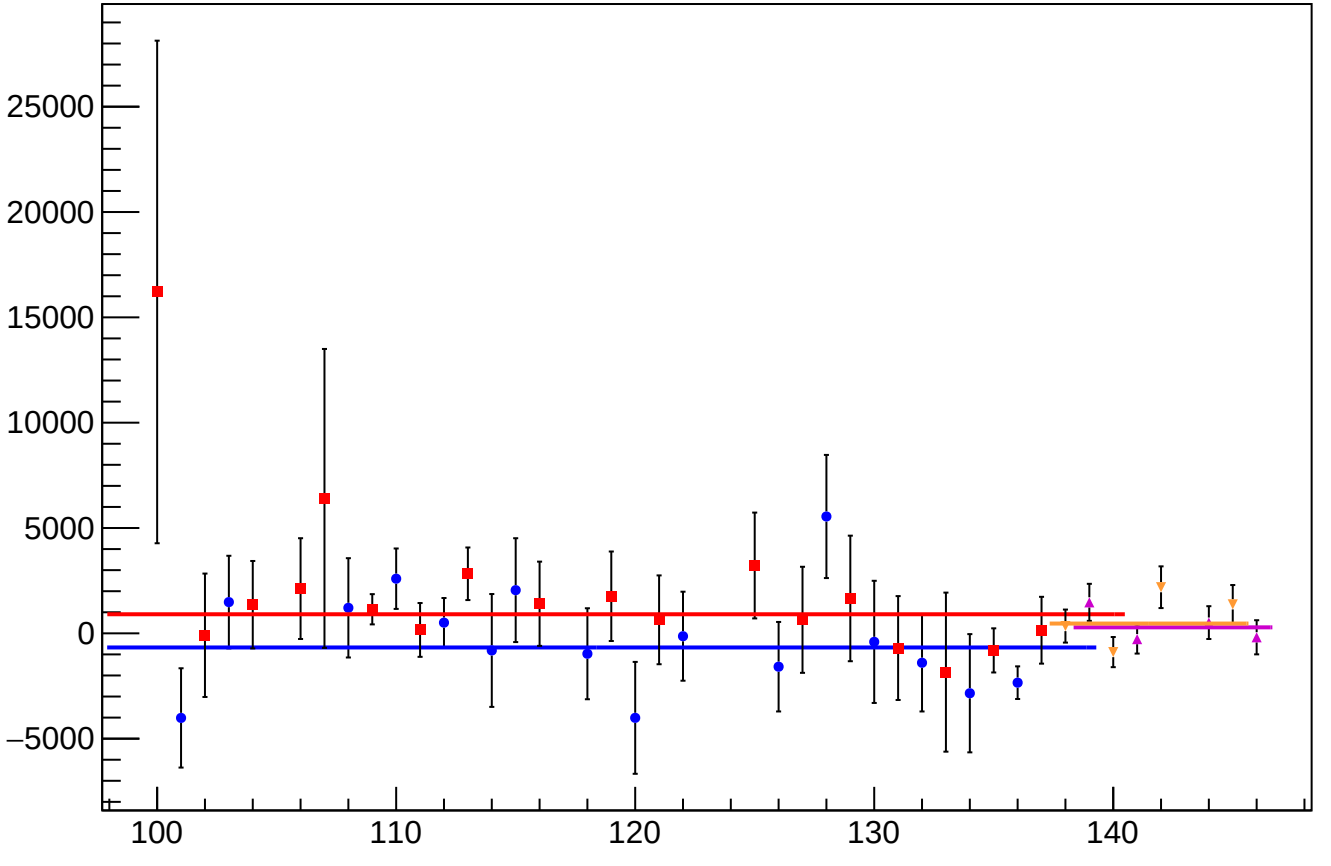
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1829.119+/-0.397 χ^2/NDF:297583.2/19

Out: 1830.328+/-0.409 χ^2/NDF:103292.7/21

All: 1829.705+/-0.285 χ^2/NDF: 400880.4/41

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: 464.594+/-415.724 χ^2/NDF:7.6/3

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 284.346+/-389.562 χ^2/NDF:2.9/3

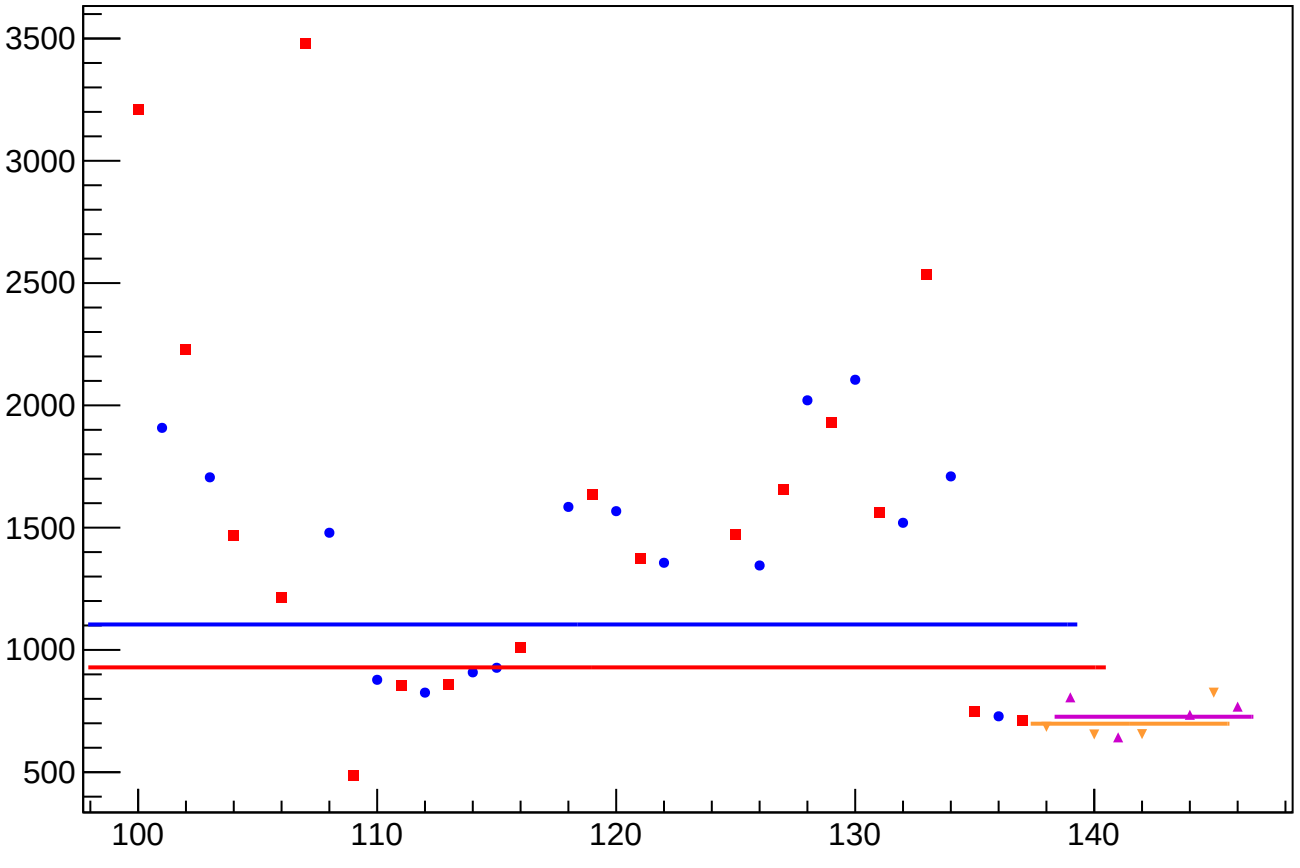
Left: 368.620+/-284.261 χ^2/NDF: 10.6/7

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -132.584+/-292.398 χ^2/NDF:28.3/19

Out: 696.610+/-286.283 χ^2/NDF:18.7/21

All: 290.775+/-204.560 χ^2/NDF: 51.1/41



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 698.327+/-0.294 χ^2/NDF:50002.4/3

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 726.810+/-0.275 χ^2/NDF:51888.5/3

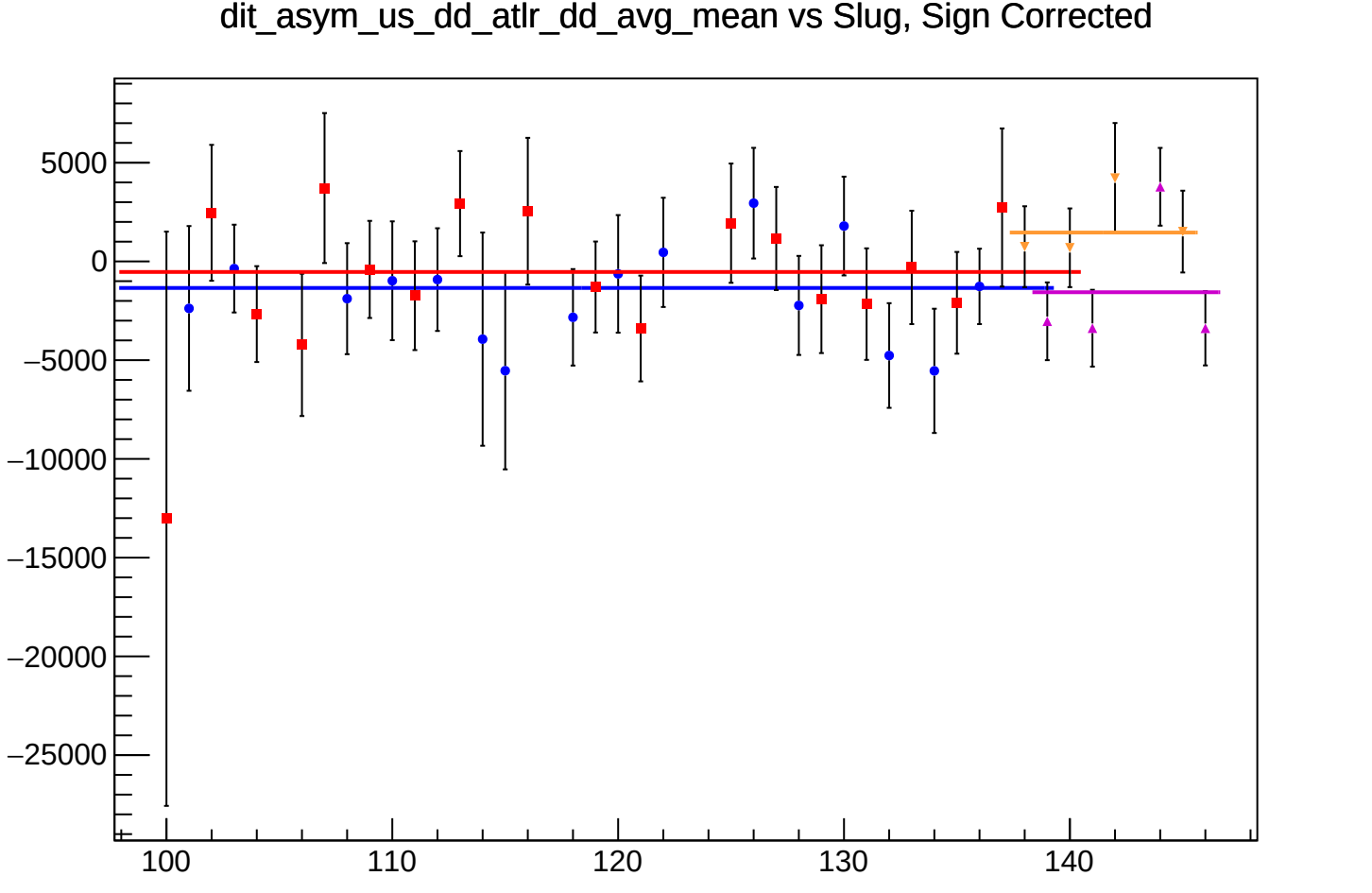
Left: 713.493+/-0.201 χ^2/NDF: 106889.6/7

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 891.546+/-0.207 χ^2/NDF:2765487.1/19

Out: 819.415+/-0.202 χ^2/NDF:3427098.3/21

All: 854.719+/-0.145 χ^2/NDF: 6254726.8/41



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 1461.794+/-1083.400 χ^2/NDF:1.2/3

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -1560.918+/-969.872 χ^2/NDF:9.7/3

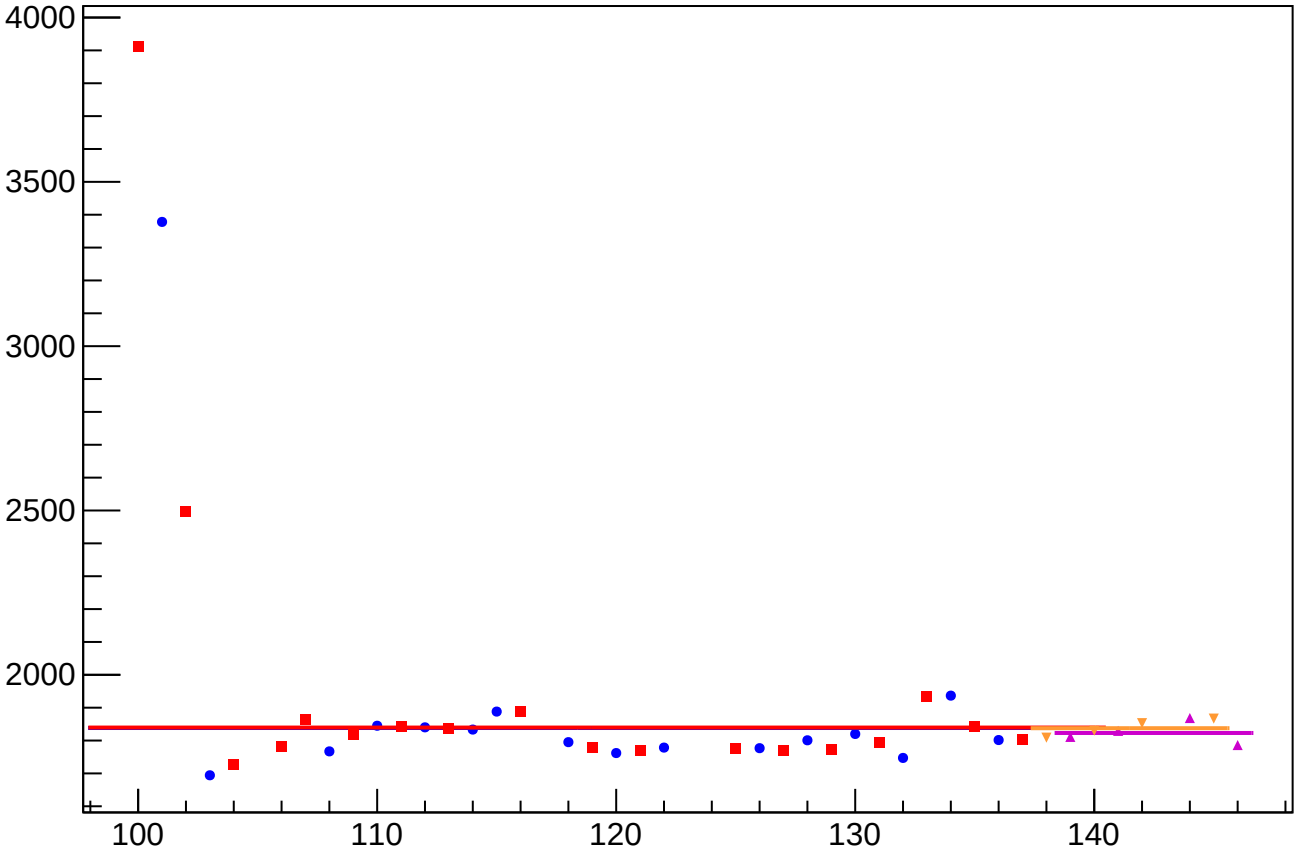
Left: -216.182+/-722.618 χ^2/NDF: 15.3/7

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1416.995+/-562.742 χ^2/NDF:19.4/19

Out: 42.942+/-582.571 χ^2/NDF:14.8/21

All: -712.296+/-404.747 χ^2/NDF: 37.4/41



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1837.549+/-0.766 χ^2/NDF:881.2/3

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1823.023+/-0.686 χ^2/NDF:1924.6/3

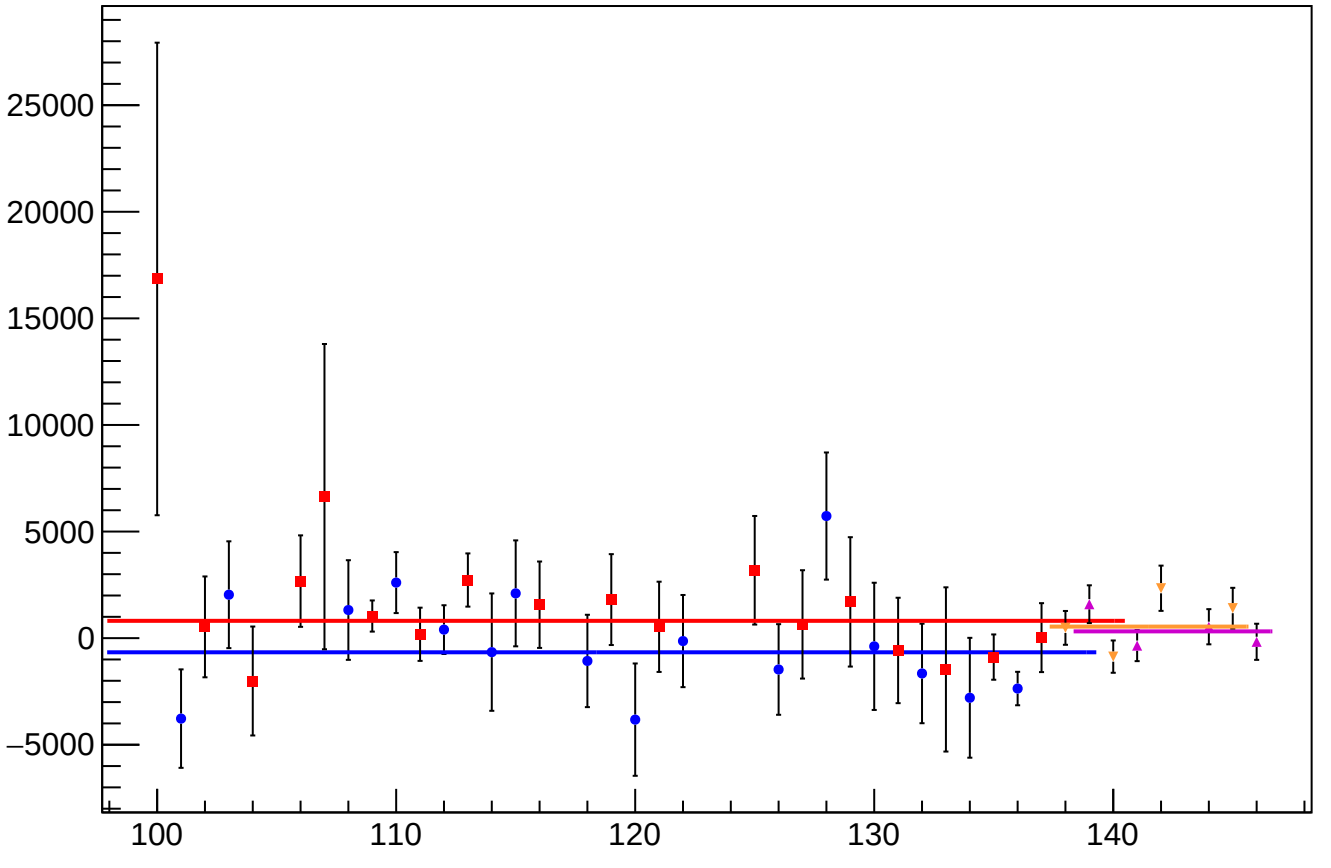
Left: 1829.485+/-0.511 χ^2/NDF: 3005.3/7

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1833.064+/-0.398 χ^2/NDF:294231.8/19

Out: 1838.948+/-0.412 χ^2/NDF:129139.4/21

All: 1835.904+/-0.286 χ^2/NDF: 423476.7/41



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: 541.784+/-433.569 χ^2/NDF:7.2/3

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 317.624+/-407.572 χ^2/NDF:3.3/3

Left: 422.782+/-296.962 χ^2/NDF: 10.6/7

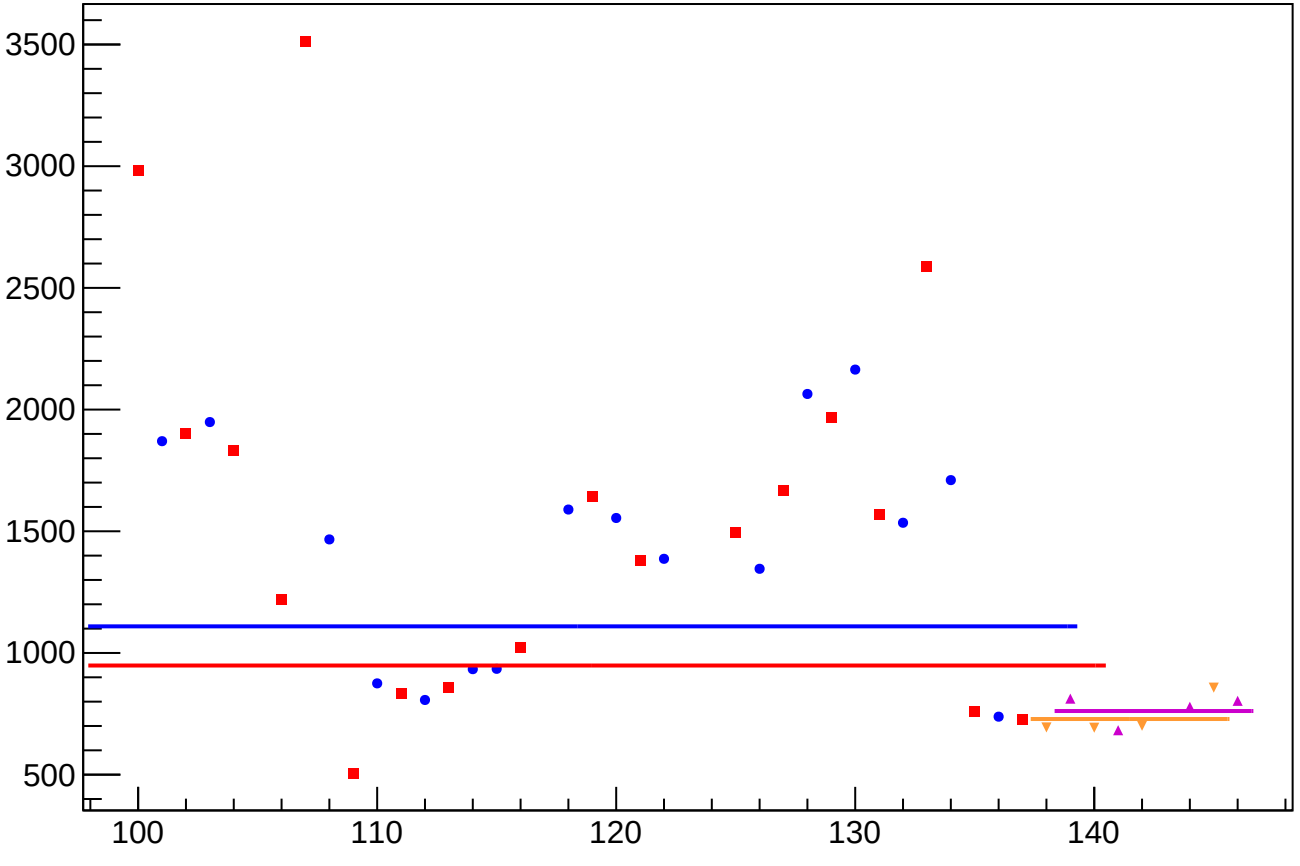
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -128.958+/-300.837 χ^2/NDF:28.7/19

Out: 688.805+/-292.873 χ^2/NDF:19.6/21

All: 290.892+/-209.851 χ^2/NDF: 52.1/41

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: 728.619+/-0.307 χ^2/NDF:46177.7/3

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 761.488+/-0.288 χ^2/NDF:35867.2/3

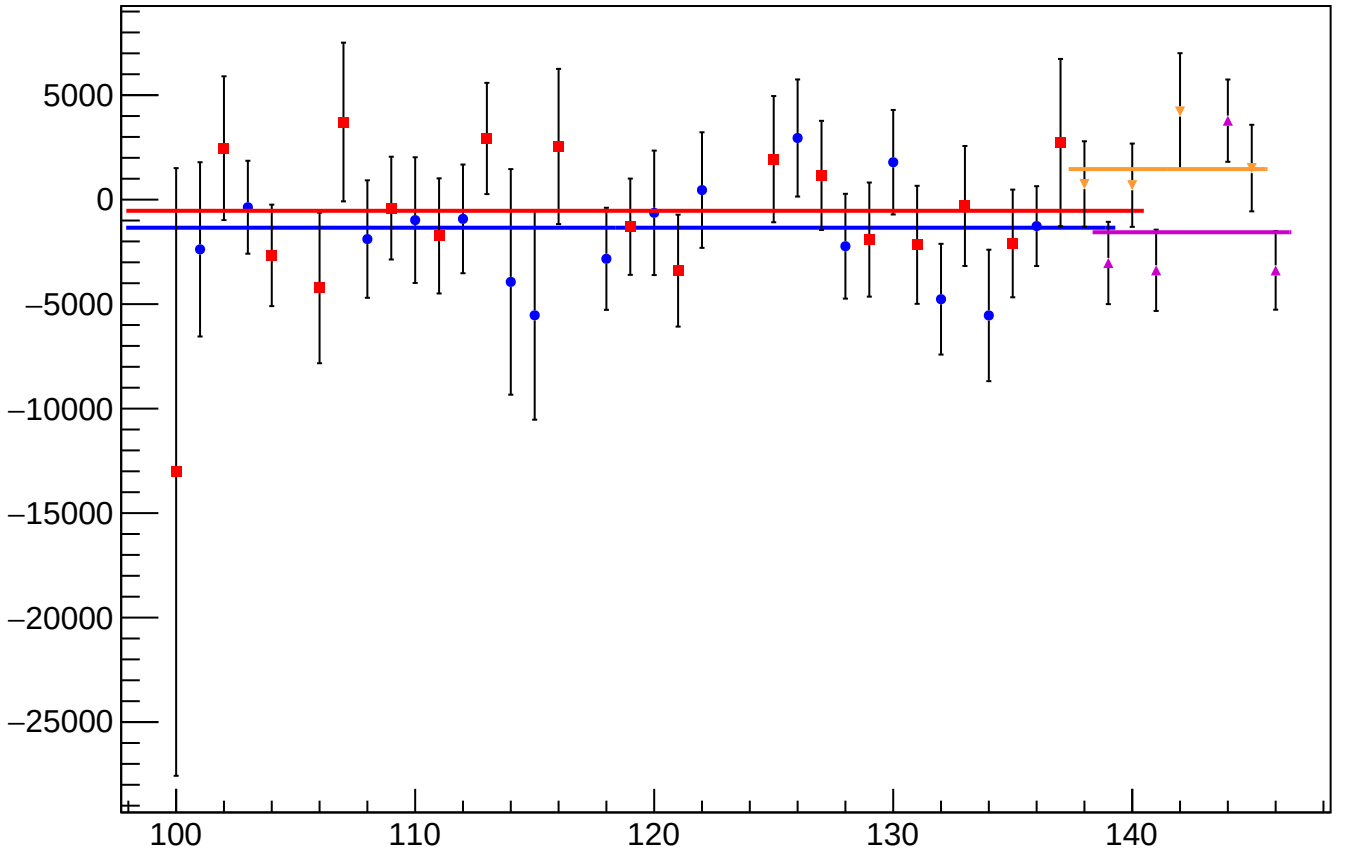
Left: 746.068+/-0.210 χ^2/NDF: 88147.2/7

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 919.833+/-0.213 χ^2/NDF:2672432.3/19

Out: 848.137+/-0.207 χ^2/NDF:3379368.0/21

All: 883.023+/-0.148 χ^2/NDF: 6110120.8/41



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 1461.798+/-1083.400 χ^2/NDF:1.2/3

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -1560.910+/-969.872 χ^2/NDF:9.7/3

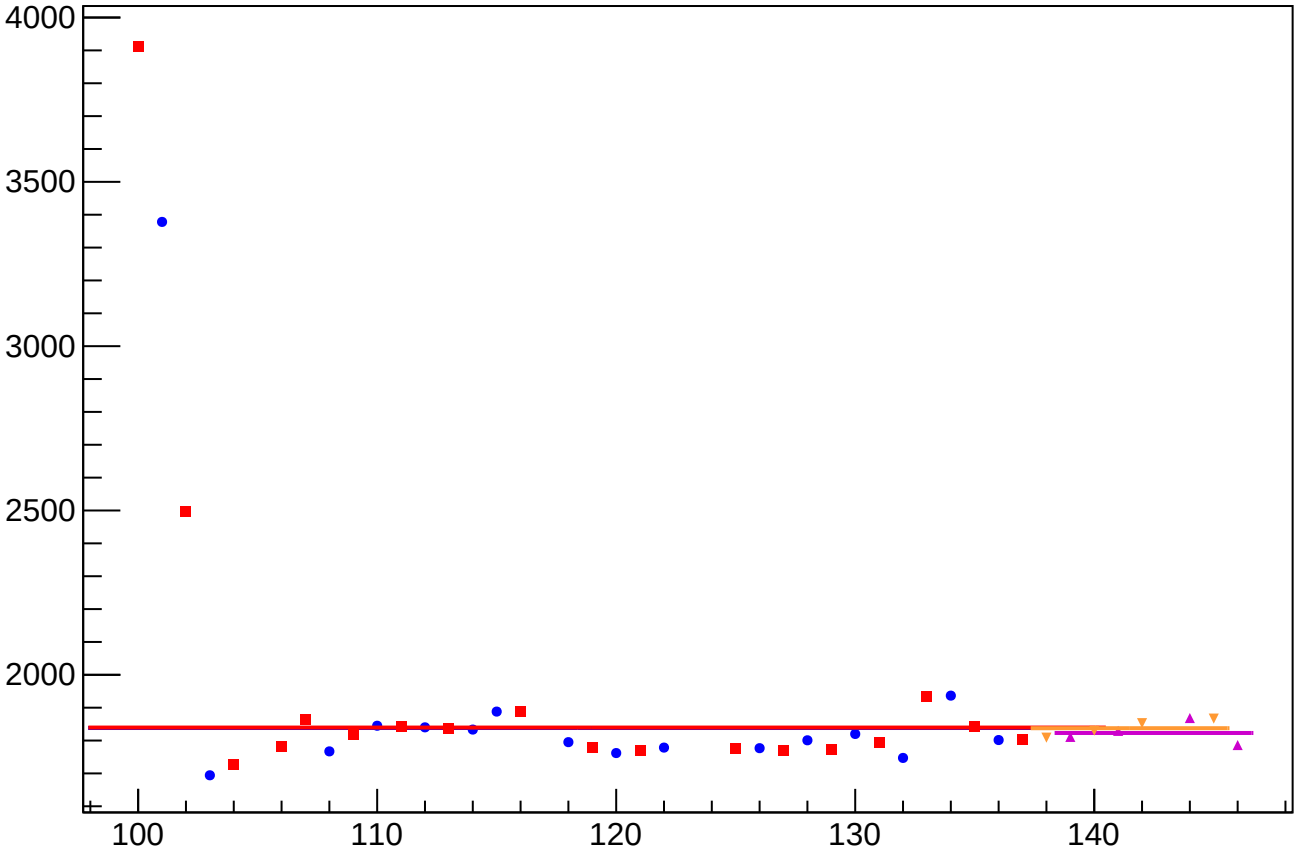
Left: -216.176+/-722.618 χ^2/NDF: 15.3/7

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -1416.995+/-562.742 χ^2/NDF:19.4/19

Out: 42.940+/-582.571 χ^2/NDF:14.8/21

All: -712.297+/-404.747 χ^2/NDF: 37.4/41



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1837.549+/-0.766 χ^2/NDF:881.2/3

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1823.023+/-0.686 χ^2/NDF:1924.6/3

Left: 1829.485+/-0.511 χ^2/NDF: 3005.3/7

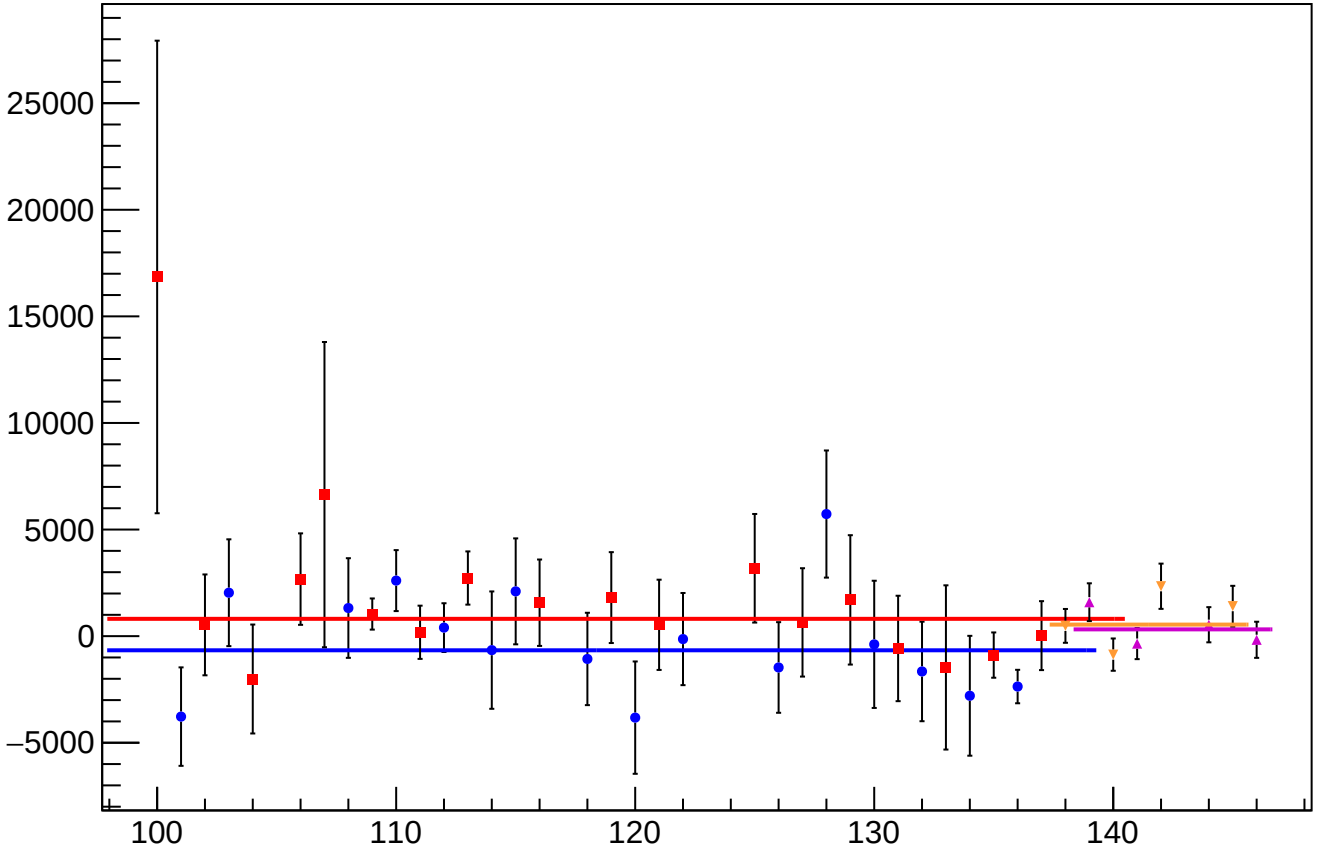
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1833.063+/-0.398 χ^2/NDF:294231.7/19

Out: 1838.948+/-0.412 χ^2/NDF:129139.4/21

All: 1835.904+/-0.286 χ^2/NDF: 423476.7/41

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: 541.789+/-433.573 χ^2/NDF:7.2/3

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 317.619+/-407.573 χ^2/NDF:3.3/3

Left: 422.782+/-296.964 χ^2/NDF: 10.6/7

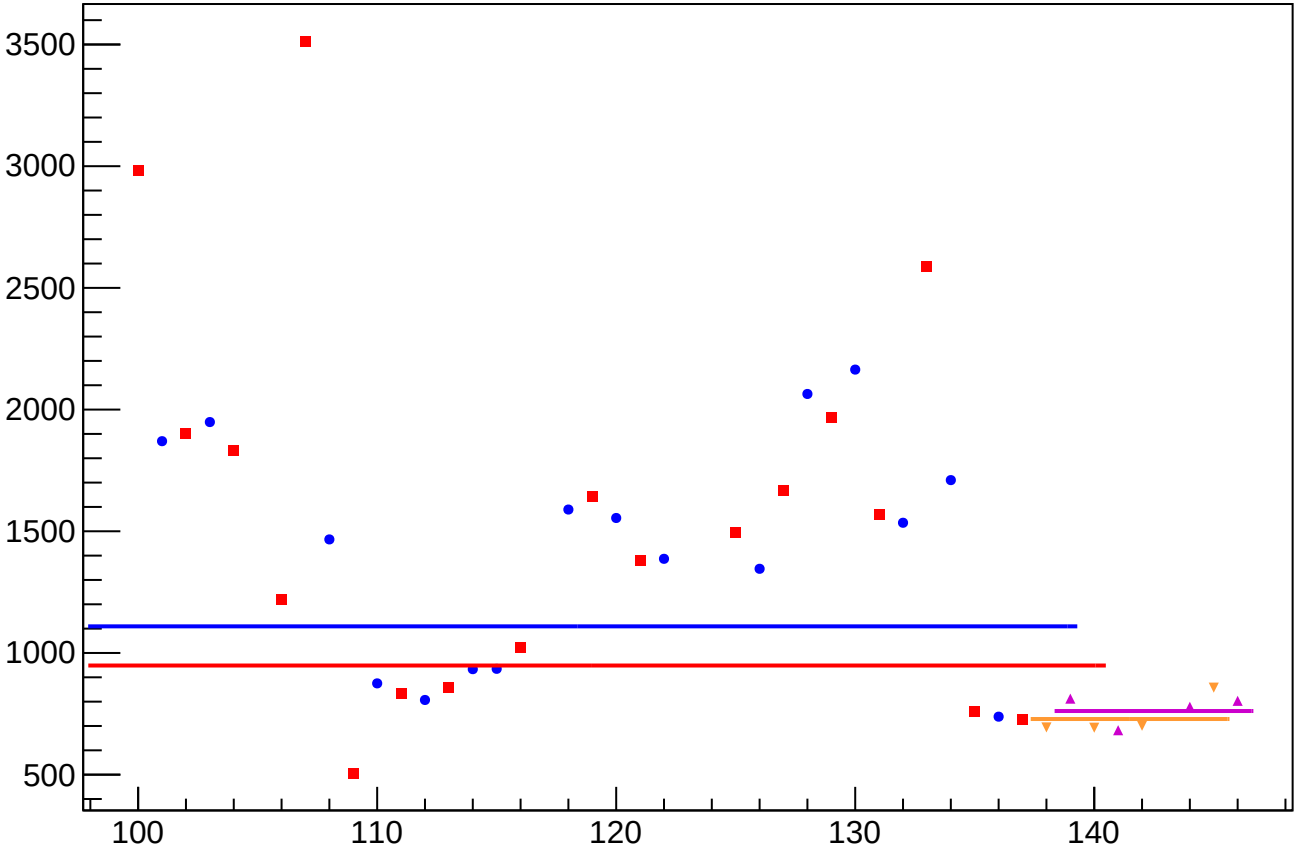
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -128.955+/-300.838 χ^2/NDF:28.7/19

Out: 688.812+/-292.874 χ^2/NDF:19.6/21

All: 290.896+/-209.852 χ^2/NDF: 52.1/41

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: 728.625+/-0.307 χ^2/NDF:46172.6/3

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 761.490+/-0.288 χ^2/NDF:35868.0/3

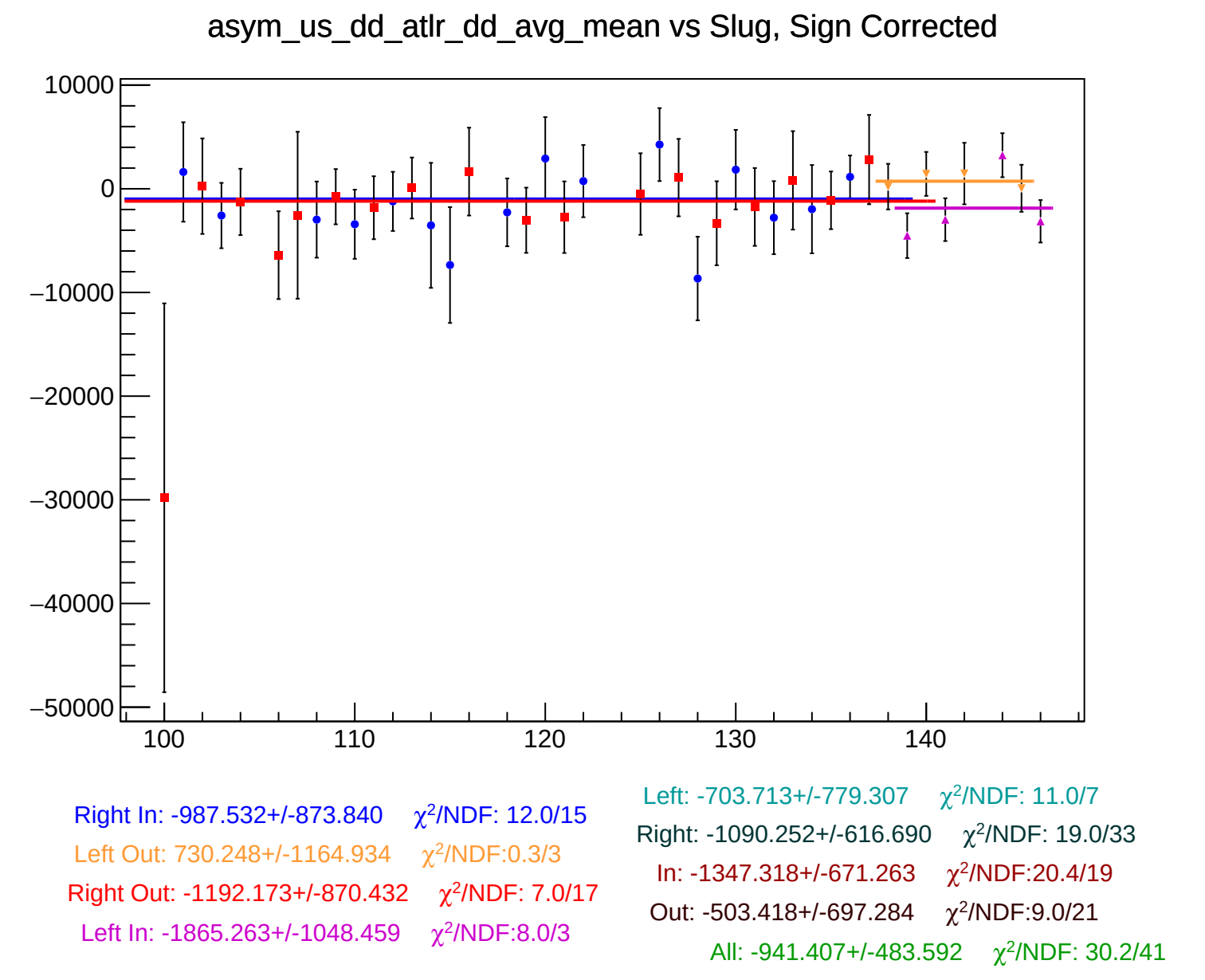
Left: 746.072+/-0.210 χ^2/NDF: 88141.3/7

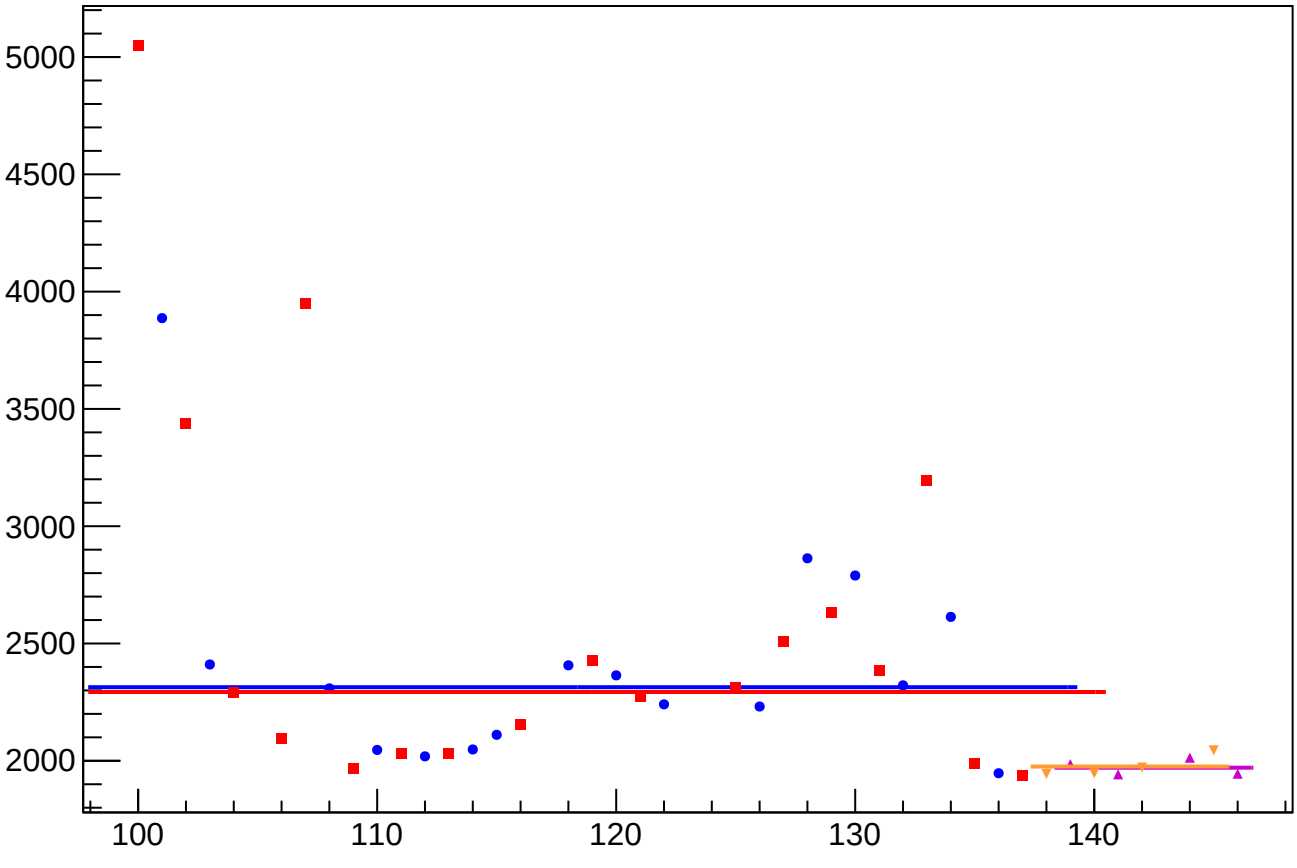
Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 919.835+/-0.213 χ^2/NDF:2672395.3/19

Out: 848.142+/-0.207 χ^2/NDF:3379324.7/21

All: 883.027+/-0.148 χ^2/NDF: 6110036.6/41


asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
Right In: -987.532+/-873.840 χ²/NDF: 12.0/15
Left Out: 730.248+/-1164.934 χ²/NDF:0.3/3
Right Out: -1192.173+/-870.432 χ²/NDF: 7.0/17
Left In: -1865.263+/-1048.459 χ²/NDF:8.0/3
Left: -703.713+/-779.307 χ²/NDF: 11.0/7
Right: -1090.252+/-616.690 χ²/NDF: 19.0/33
In: -1347.318+/-671.263 χ²/NDF:20.4/19
Out: -503.418+/-697.284 χ²/NDF:9.0/21
All: -941.407+/-483.592 χ²/NDF: 30.2/41



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1975.509+/-0.824 χ^2/NDF:2646.8/3

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1970.608+/-0.741 χ^2/NDF:1596.4/3

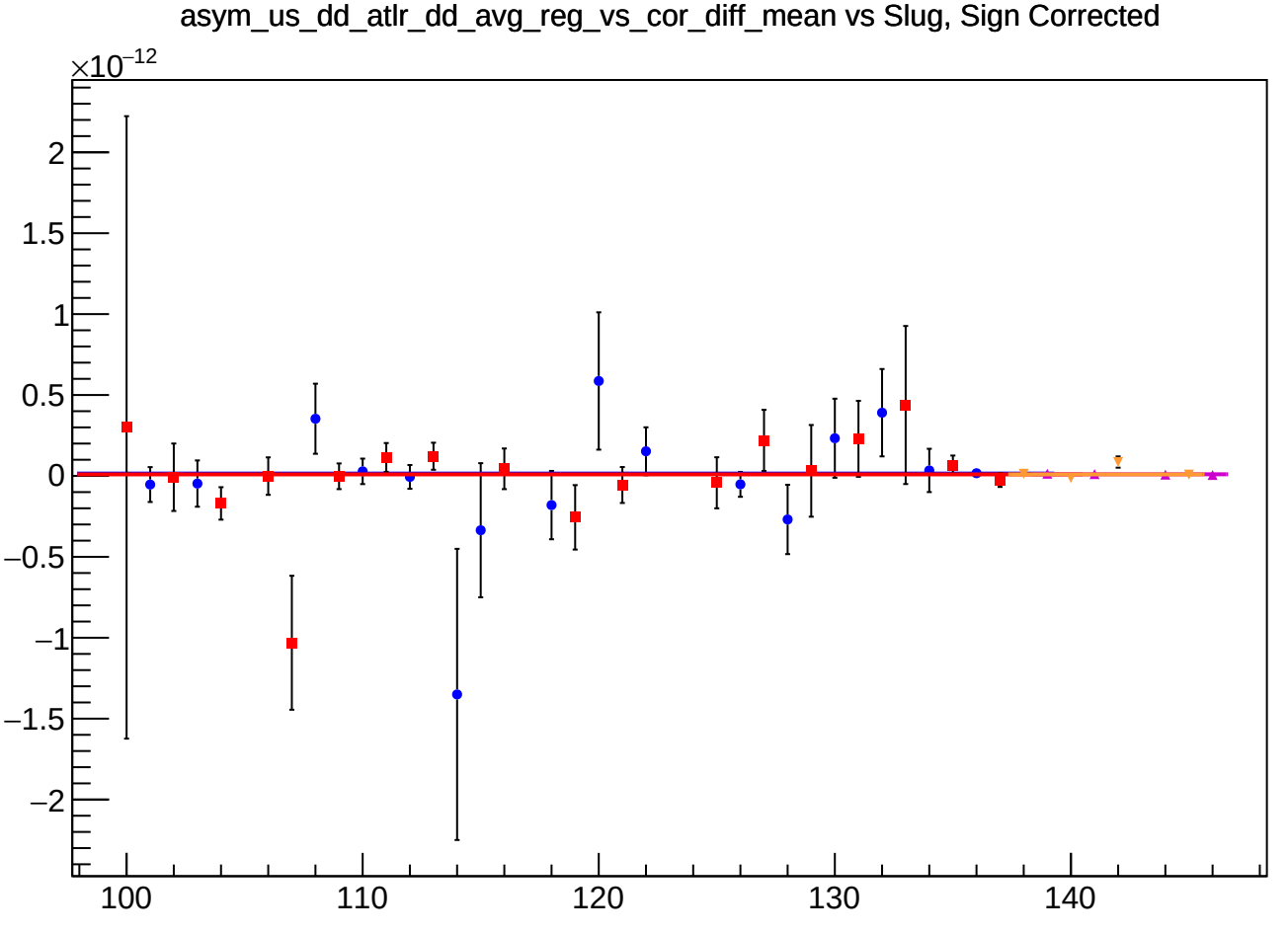
Left: 1972.801+/-0.551 χ^2/NDF: 4262.8/7

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2173.089+/-0.475 χ^2/NDF:530760.7/19

Out: 2179.428+/-0.493 χ^2/NDF:551345.8/21

All: 2176.138+/-0.342 χ^2/NDF: 1082192.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.1/3

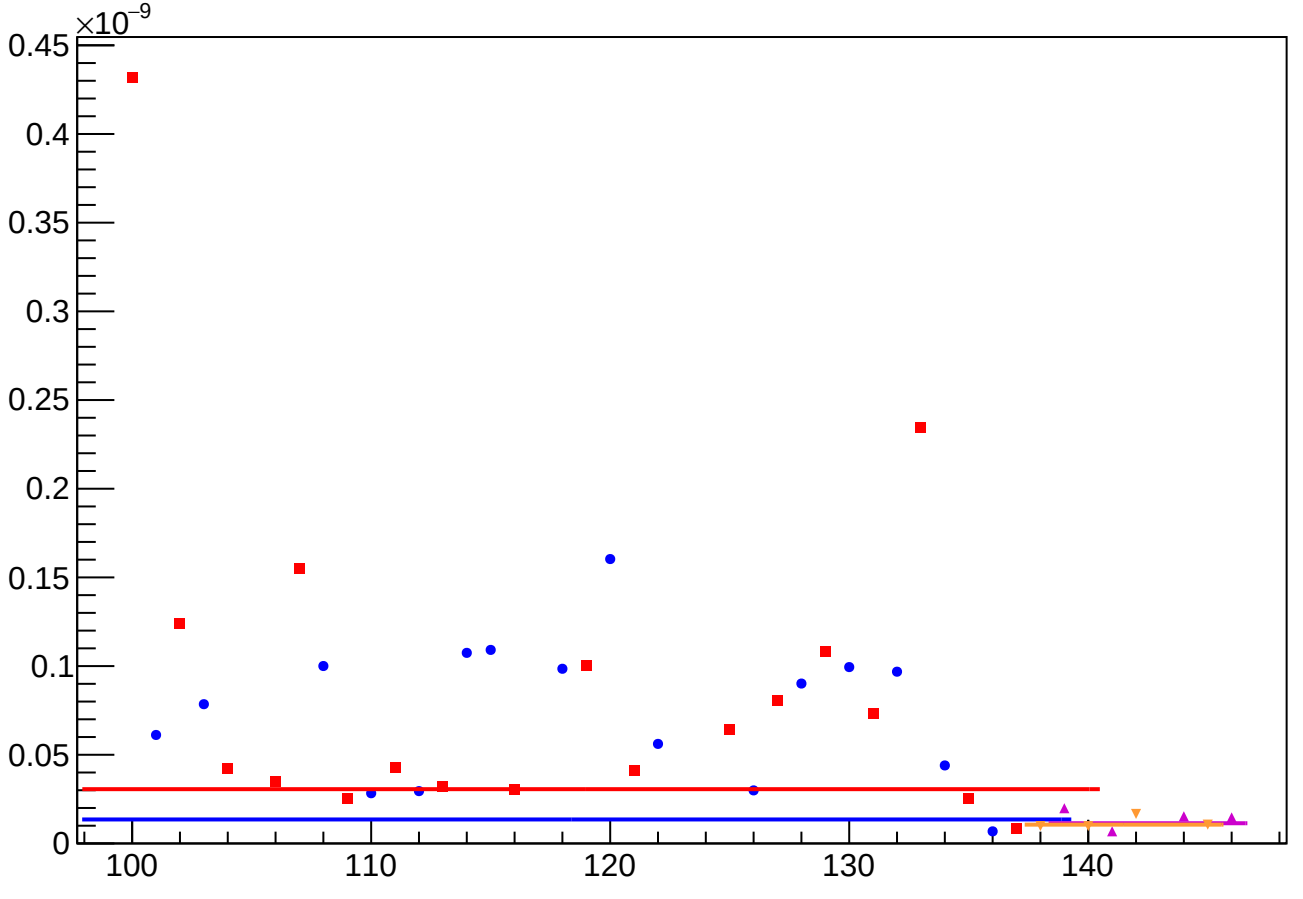
Left: 0.000+/-0.000 χ^2/NDF: 6.5/7

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:15.1/19

Out: 0.000+/-0.000 χ^2/NDF:26.0/21

All: 0.000+/-0.000 χ^2/NDF: 41.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:68592.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:449764.4/3

Left: 0.000+/-0.000 χ^2/NDF: 524249.4/7

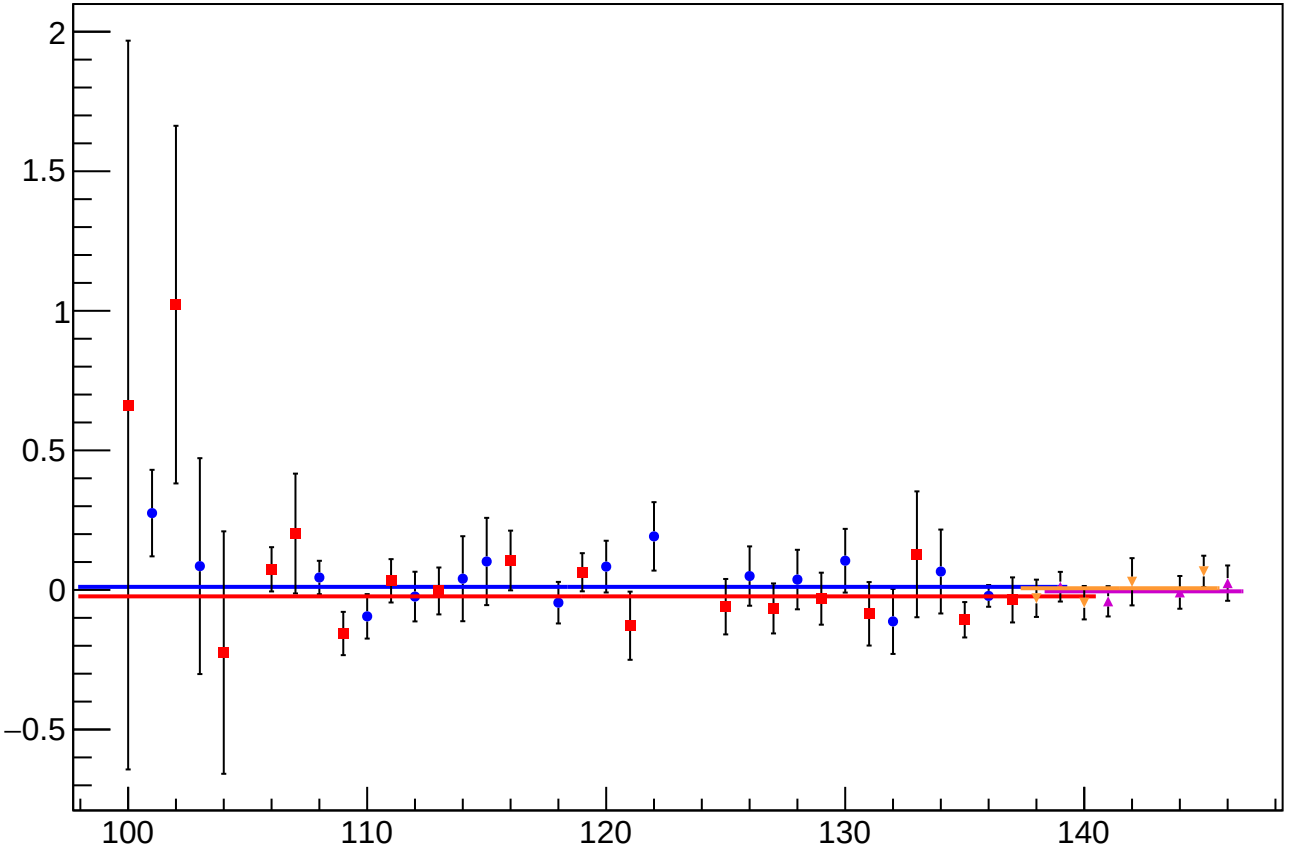
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:3895865.3/19

Out: 0.000+/-0.000 χ^2/NDF:3586142.5/21

All: 0.000+/-0.000 χ^2/NDF: 7510737.9/41

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.032 χ^2/NDF:2.3/3

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.005+/-0.028 χ^2/NDF:0.7/3

Left: -0.000+/-0.021 χ^2/NDF: 3.1/7

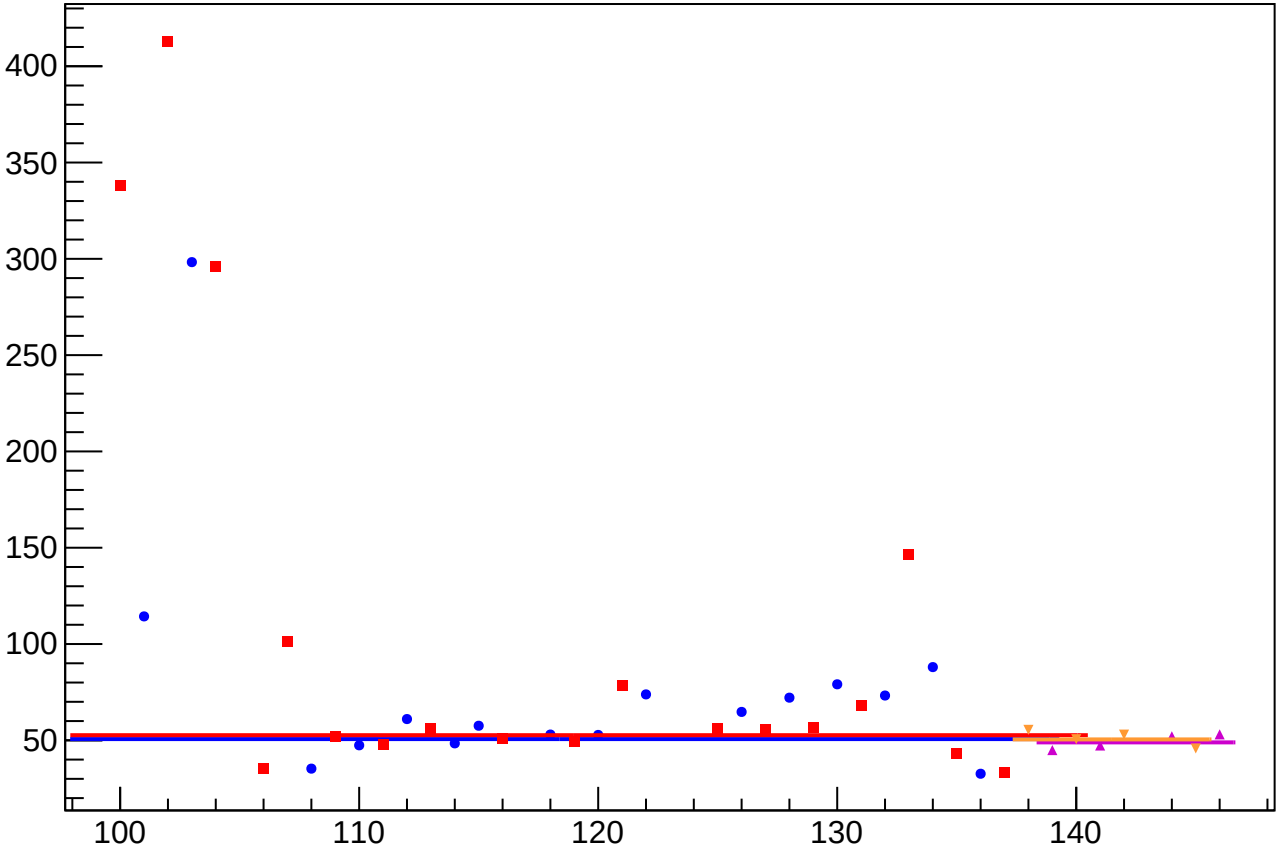
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.017 χ^2/NDF:12.7/19

Out: -0.013+/-0.019 χ^2/NDF:18.8/21

All: -0.003+/-0.013 χ^2/NDF: 32.0/41

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: 50.468+/-0.023 χ^2/NDF:26728.1/3

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.933+/-0.020 χ^2/NDF:27646.4/3

Left: 49.605+/-0.015 χ^2/NDF: 56920.9/7

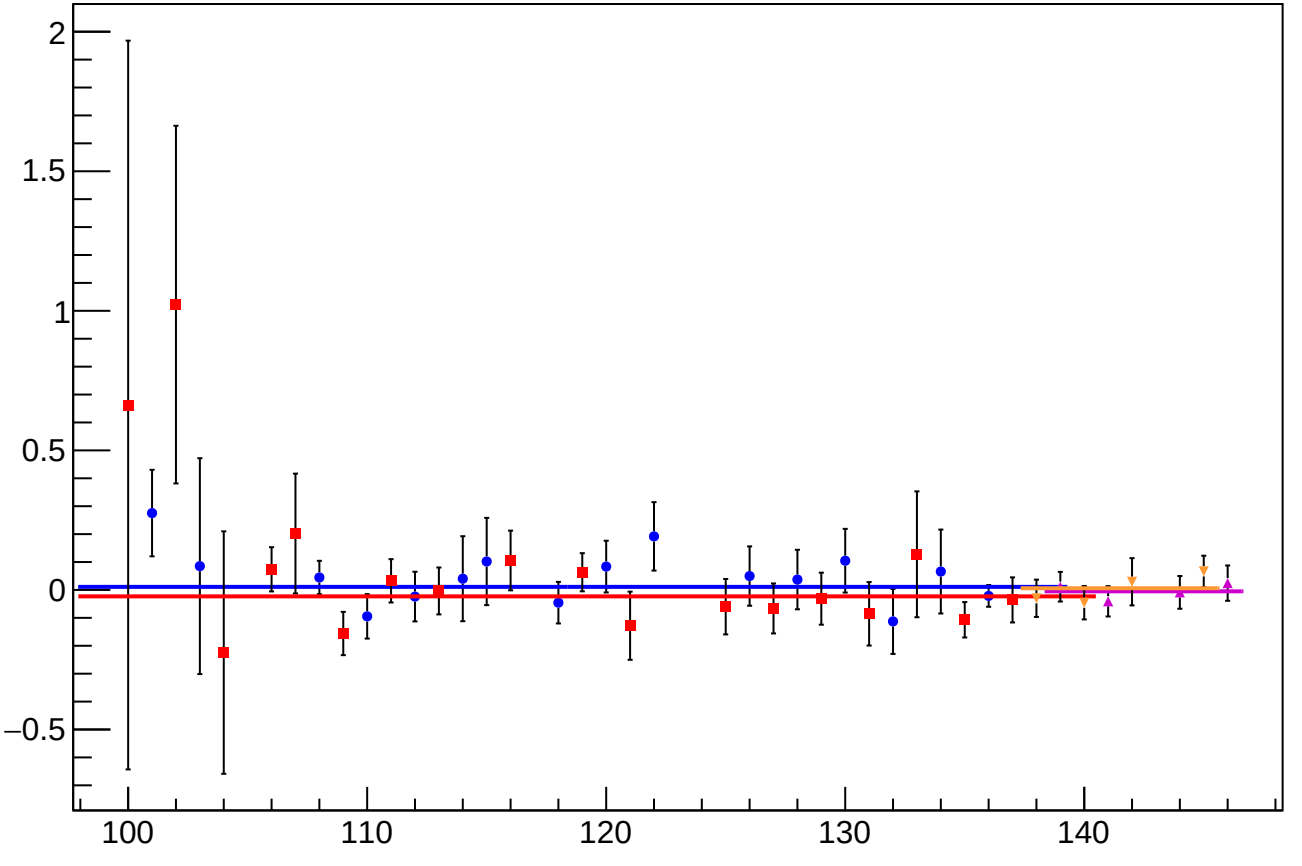
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 50.010+/-0.012 χ^2/NDF:2298640.6/19

Out: 51.920+/-0.013 χ^2/NDF:2244801.5/21

All: 50.889+/-0.009 χ^2/NDF: 4554608.7/41

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: 0.006+/-0.032 χ^2/NDF:2.3/3

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.005+/-0.028 χ^2/NDF:0.7/3

Left: -0.000+/-0.021 χ^2/NDF: 3.1/7

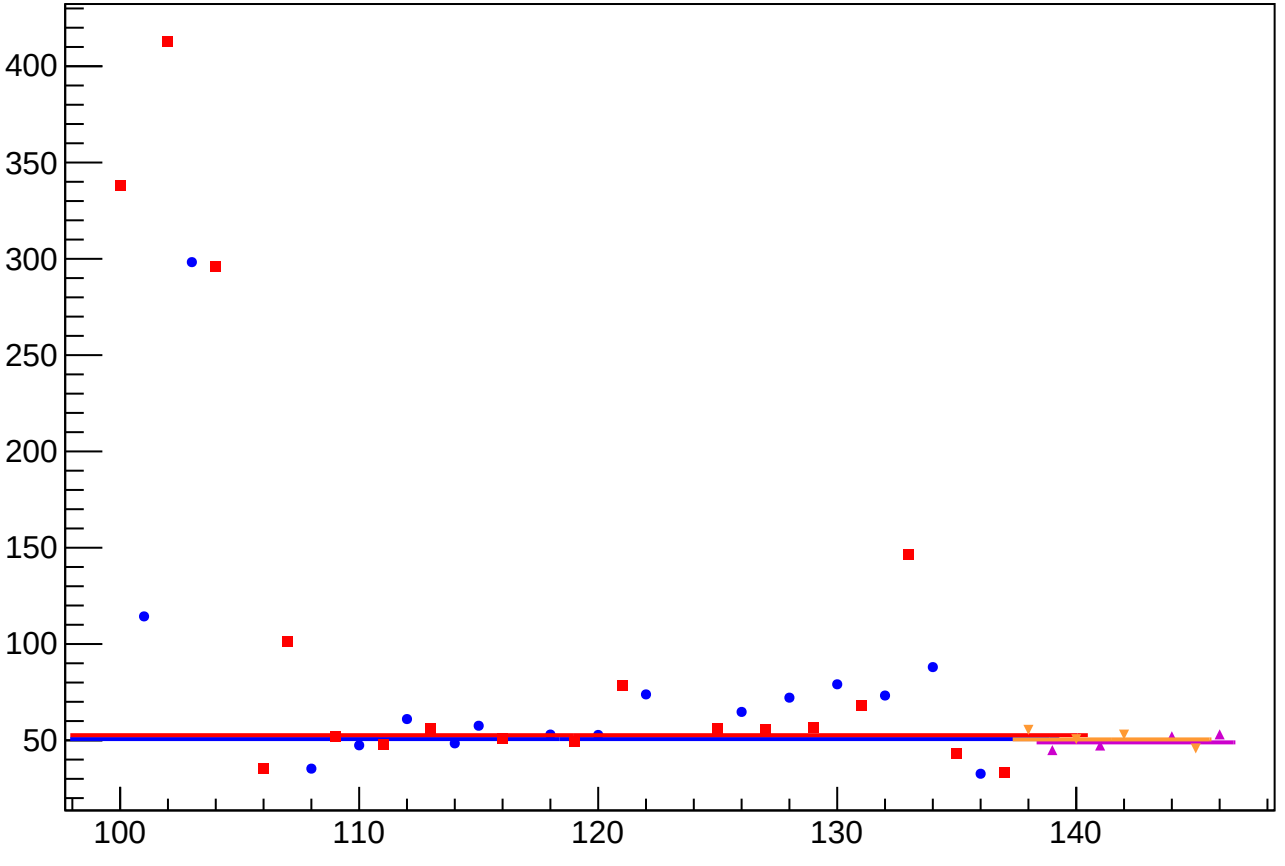
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.017 χ^2/NDF:12.7/19

Out: -0.013+/-0.019 χ^2/NDF:18.8/21

All: -0.003+/-0.013 χ^2/NDF: 32.0/41

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: 50.468+/-0.023 χ^2/NDF:26728.1/3

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.933+/-0.020 χ^2/NDF:27646.4/3

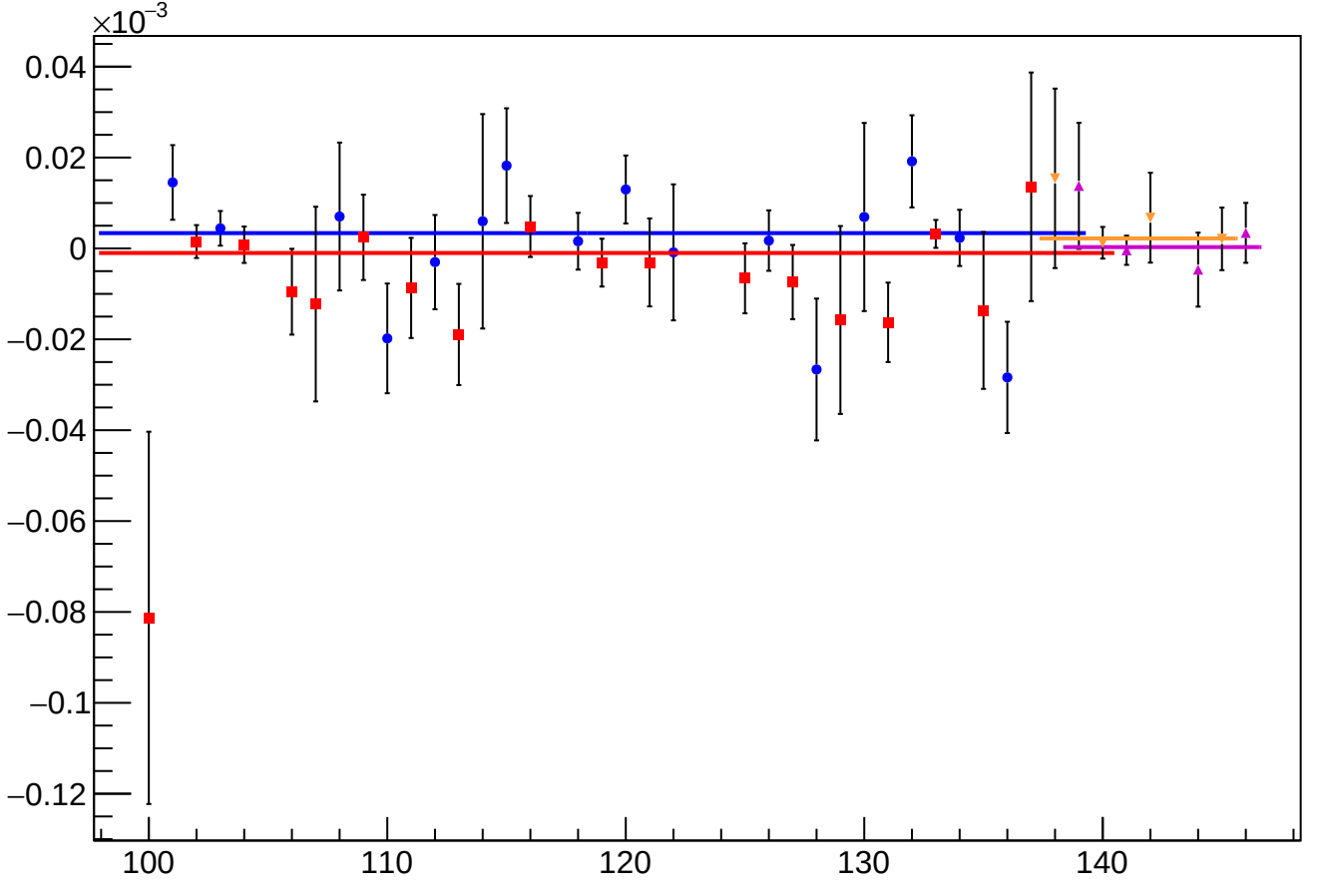
Left: 49.605+/-0.015 χ^2/NDF: 56920.9/7

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 50.010+/-0.012 χ^2/NDF:2298640.6/19

Out: 51.920+/-0.013 χ^2/NDF:2244801.5/21

All: 50.889+/-0.009 χ^2/NDF: 4554608.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

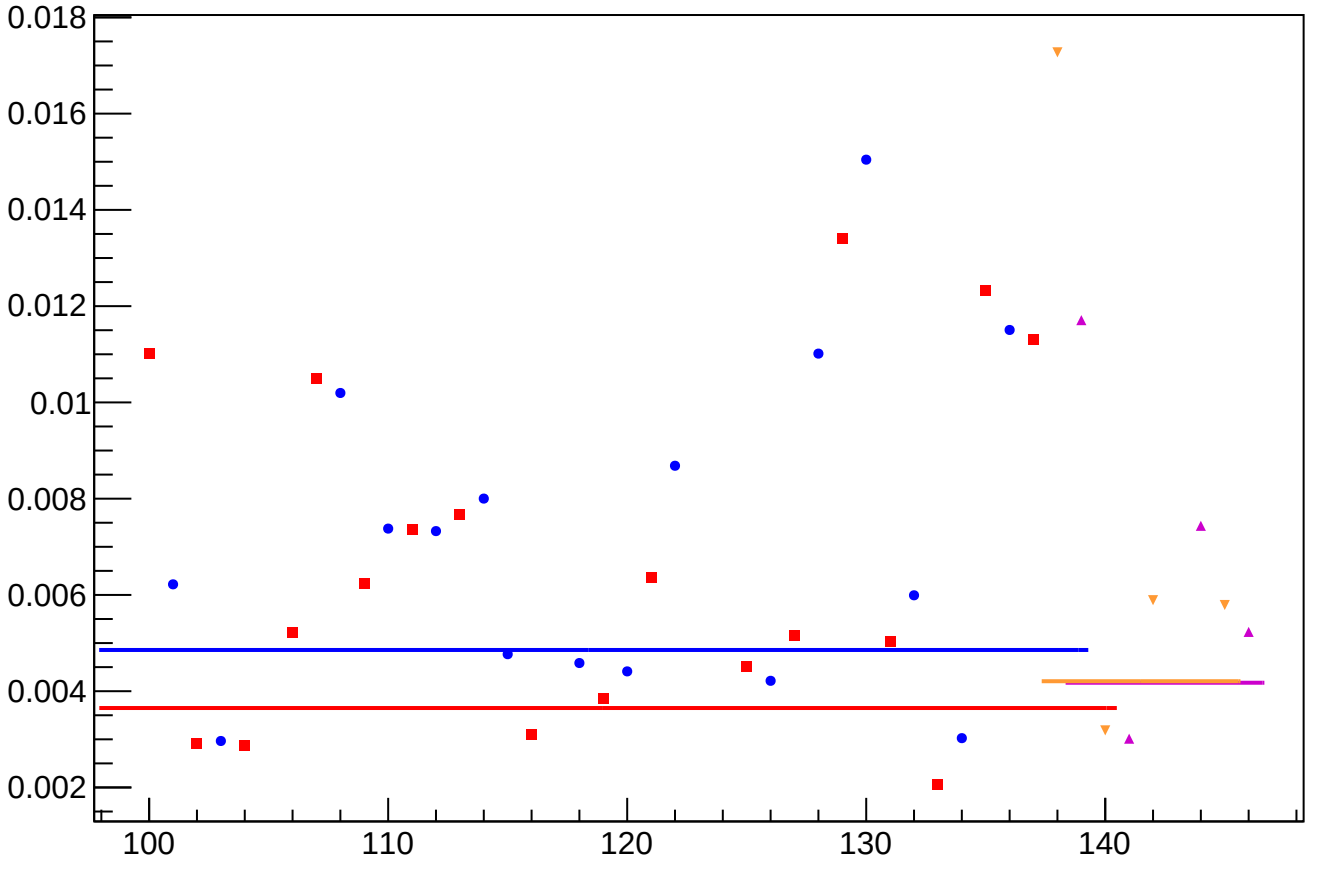
Left: 0.000+/-0.000 χ^2/NDF: 2.6/7

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:24.6/19

Out: -0.000+/-0.000 χ^2/NDF:18.9/21

All: 0.000+/-0.000 χ^2/NDF: 44.9/41



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1211114.9/3

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1222653.3/3

Left: 0.004+/-0.000 χ^2/NDF: 2433891.7/7

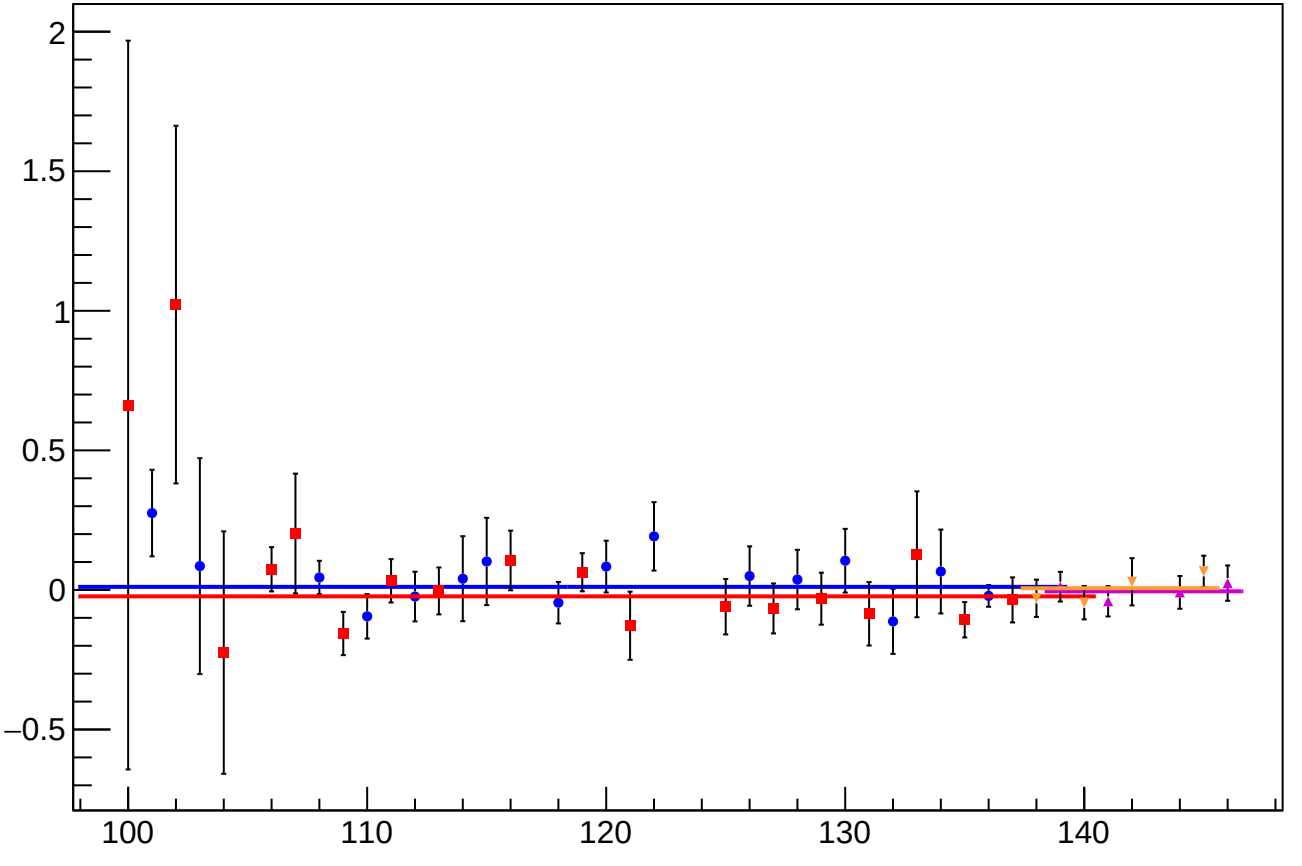
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.005+/-0.000 χ^2/NDF:4048537.9/19

Out: 0.004+/-0.000 χ^2/NDF:4376020.7/21

All: 0.004+/-0.000 χ^2/NDF: 8720638.9/41

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: 0.006+/-0.032 χ^2/NDF:2.3/3

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.005+/-0.028 χ^2/NDF:0.7/3

Left: -0.000+/-0.021 χ^2/NDF: 3.1/7

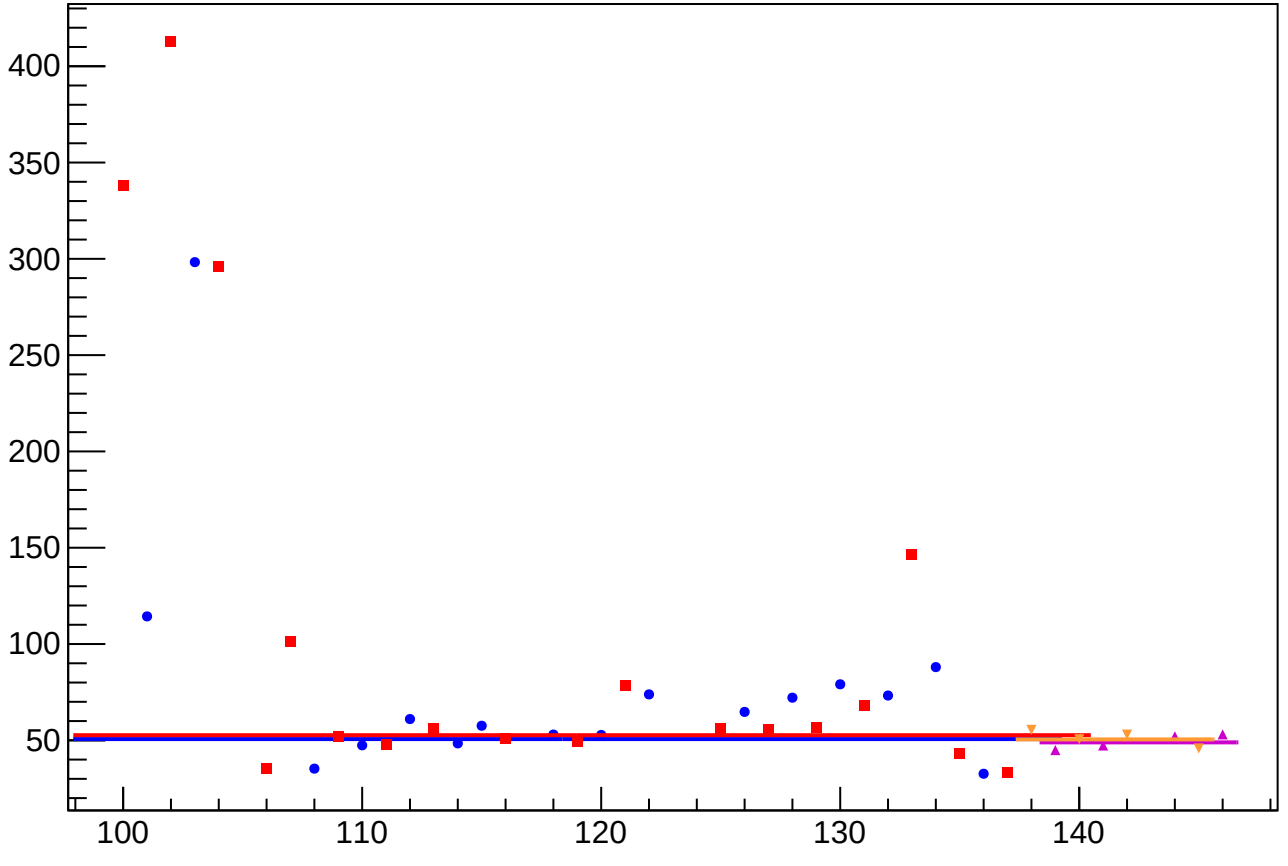
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.017 χ^2/NDF:12.7/19

Out: -0.013+/-0.019 χ^2/NDF:18.8/21

All: -0.003+/-0.013 χ^2/NDF: 32.0/41

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: 50.470+/-0.023 χ^2/NDF:26724.2/3

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.934+/-0.020 χ^2/NDF:27623.4/3

Left: 49.607+/-0.015 χ^2/NDF: 56897.2/7

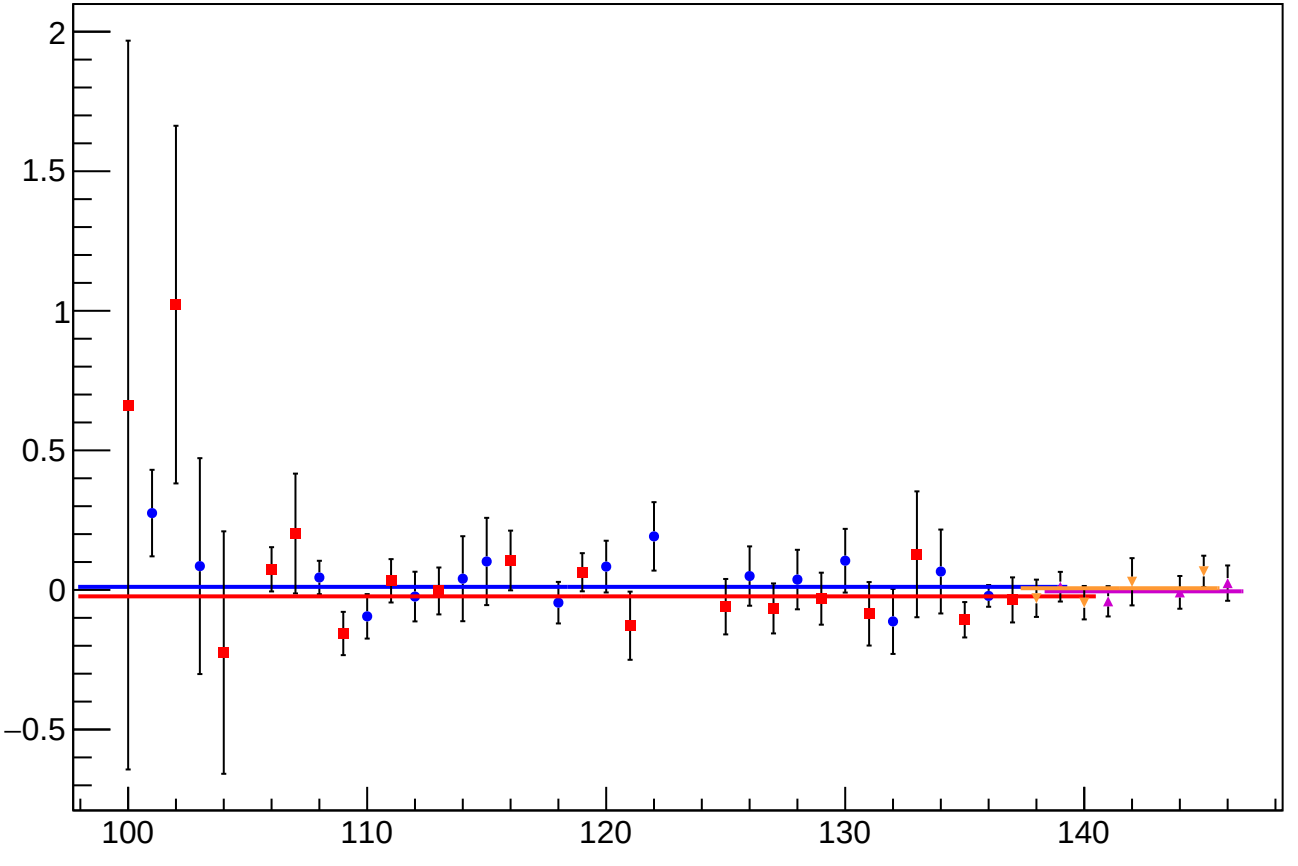
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 50.010+/-0.012 χ^2/NDF:2298518.0/19

Out: 51.922+/-0.013 χ^2/NDF:2244675.2/21

All: 50.890+/-0.009 χ^2/NDF: 4554366.2/41

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: 0.006+/-0.032 χ^2/NDF:2.3/3

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.005+/-0.028 χ^2/NDF:0.7/3

Left: -0.000+/-0.021 χ^2/NDF: 3.1/7

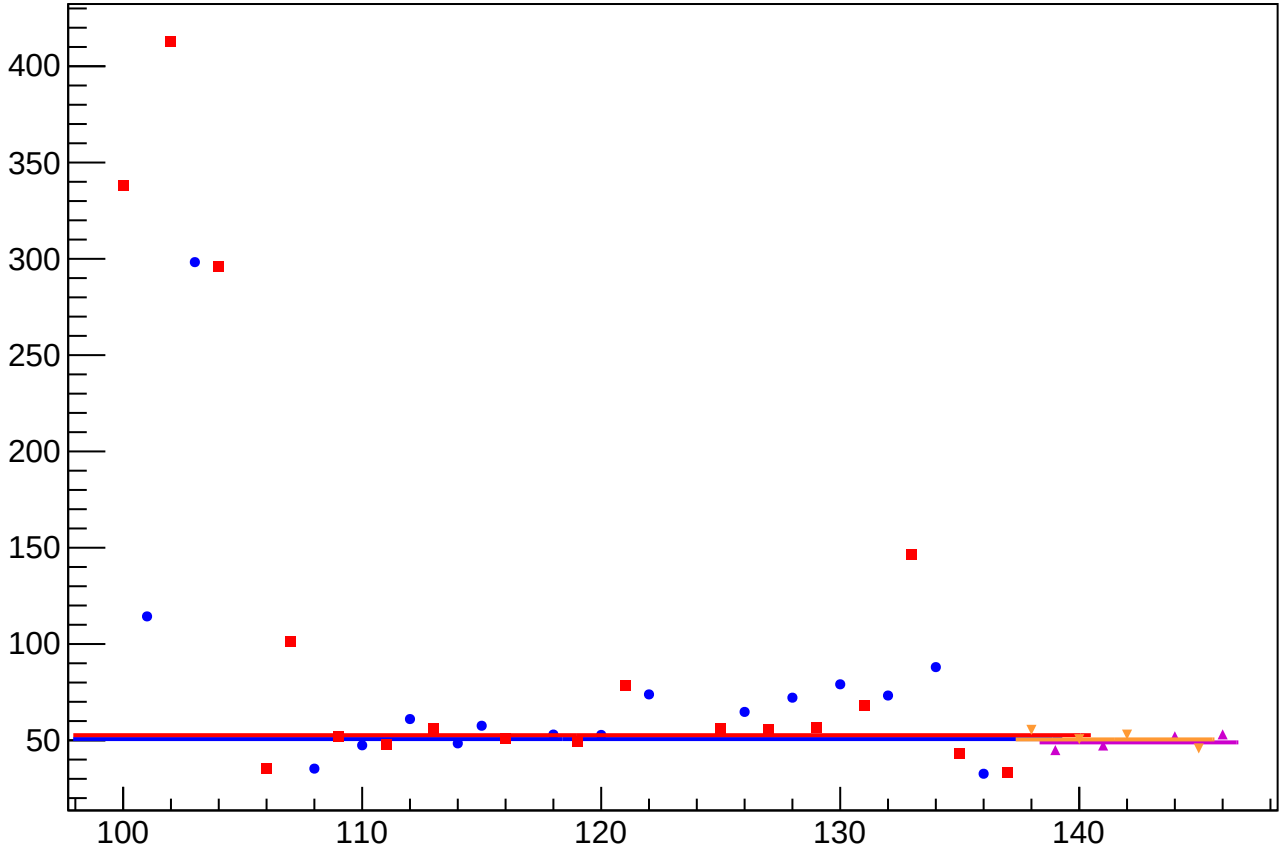
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.017 χ^2/NDF:12.7/19

Out: -0.013+/-0.019 χ^2/NDF:18.8/21

All: -0.003+/-0.013 χ^2/NDF: 32.0/41

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: 50.470+/-0.023 χ^2/NDF:26724.2/3

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.934+/-0.020 χ^2/NDF:27623.4/3

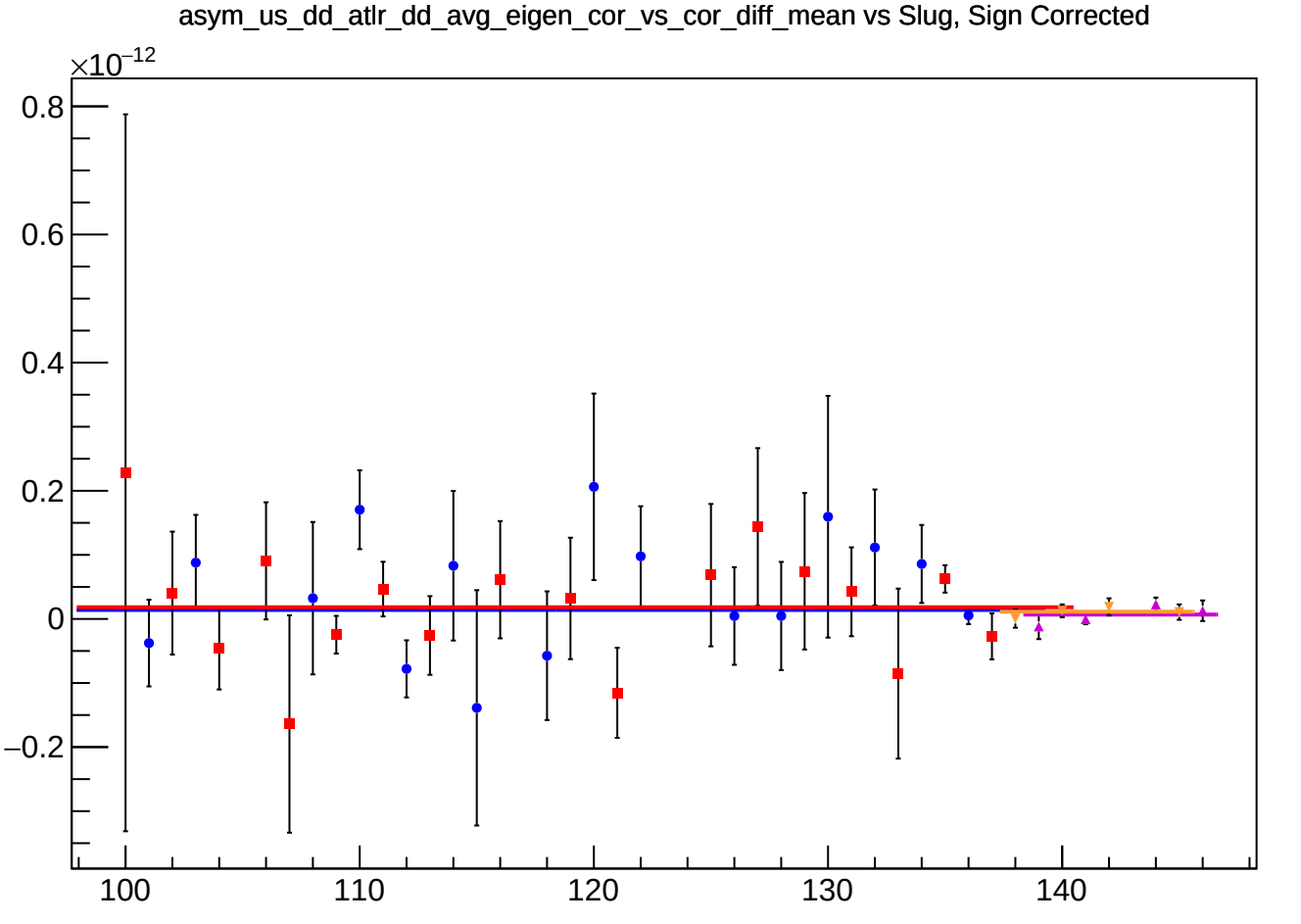
Left: 49.607+/-0.015 χ^2/NDF: 56897.2/7

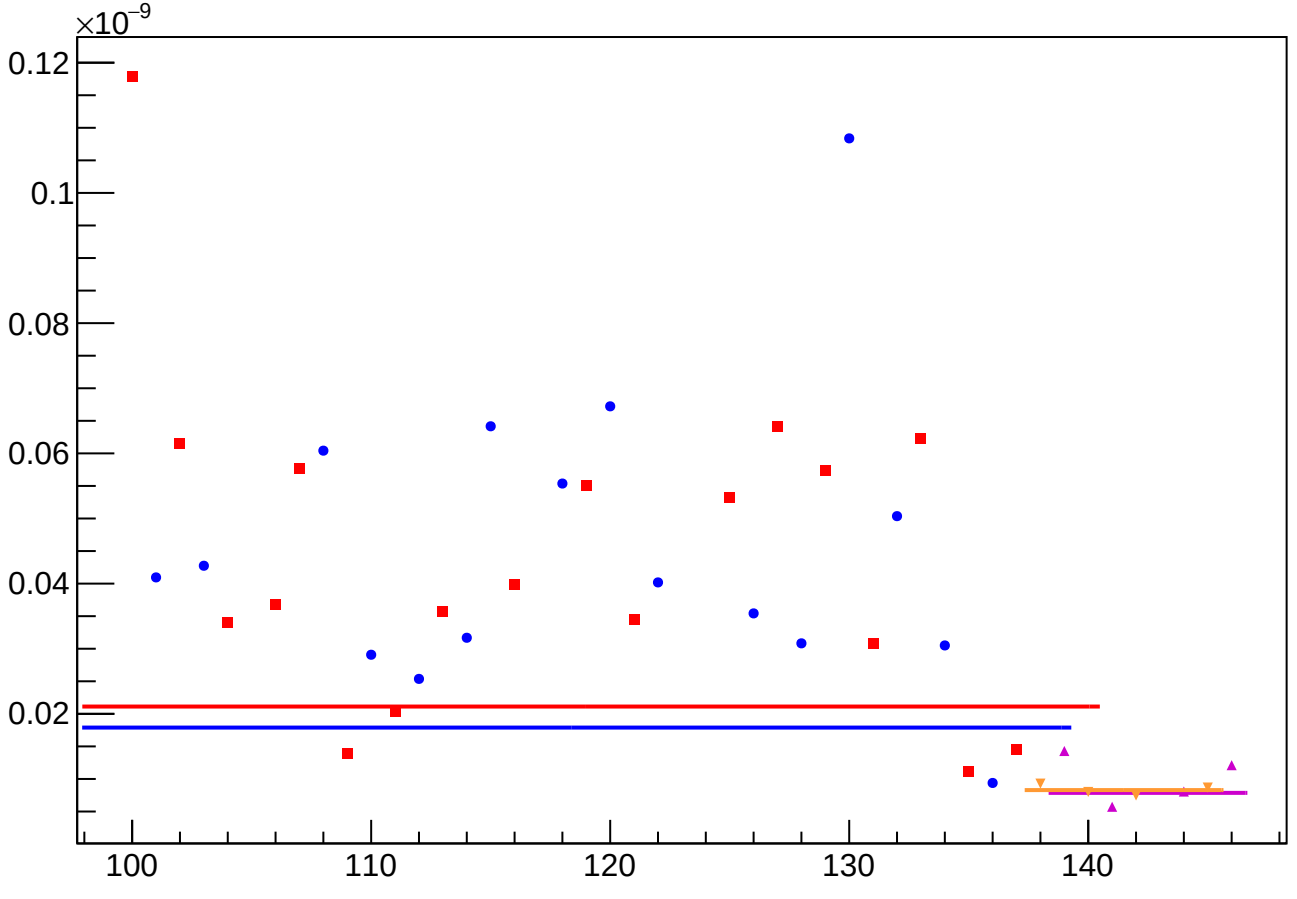
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 50.010+/-0.012 χ^2/NDF:2298518.0/19

Out: 51.922+/-0.013 χ^2/NDF:2244675.2/21

All: 50.890+/-0.009 χ^2/NDF: 4554366.2/41


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 20.3/15
Left Out: 0.000+/-0.000 χ²/NDF:0.9/3
Right Out: 0.000+/-0.000 χ²/NDF: 18.0/17
Left In: 0.000+/-0.000 χ²/NDF:4.1/3
Left: 0.000+/-0.000 χ²/NDF: 5.3/7
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: 0.000+/-0.000 χ²/NDF:24.8/19
Out: 0.000+/-0.000 χ²/NDF:19.1/21
All: 0.000+/-0.000 χ²/NDF: 44.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20874.4/3

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:500623.9/3

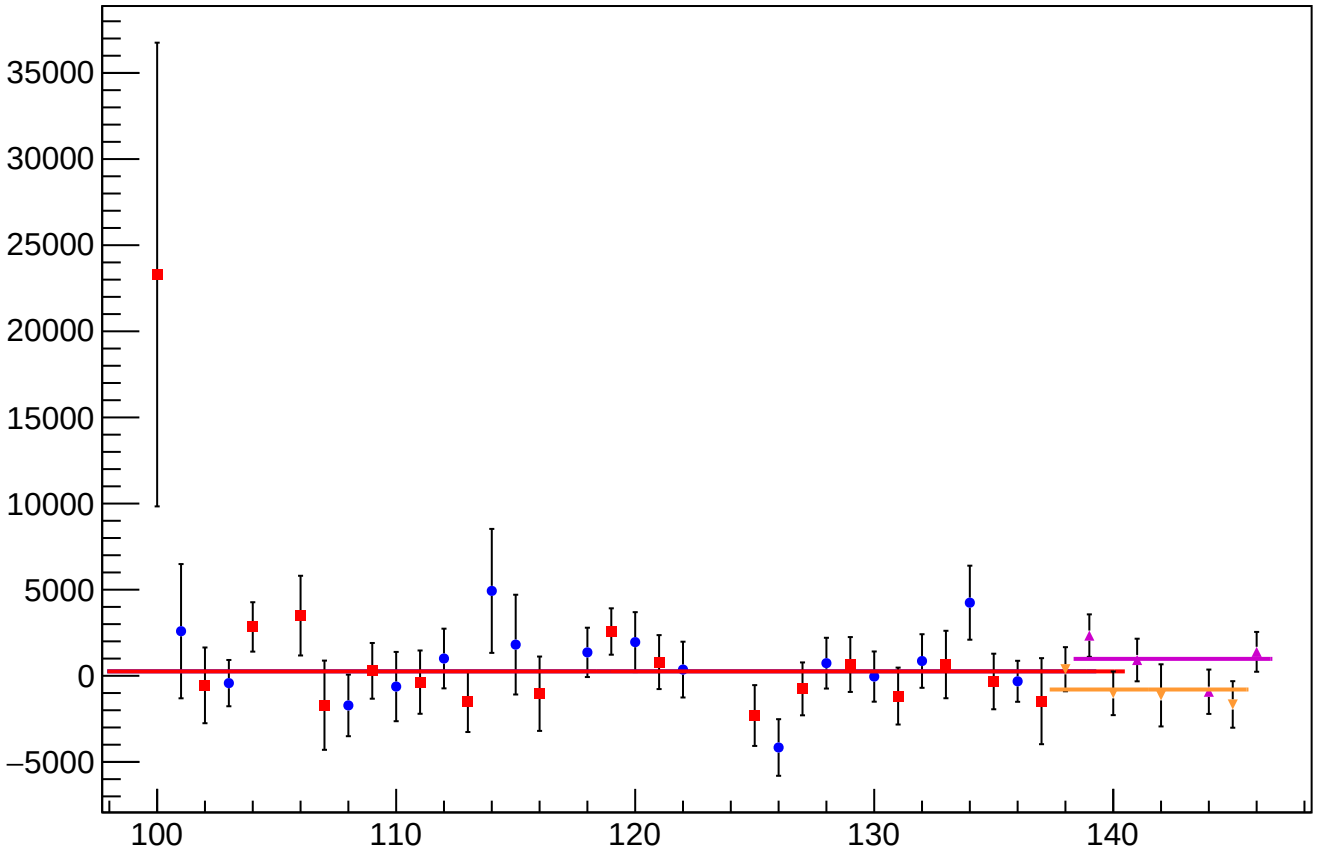
Left: 0.000+/-0.000 χ^2/NDF: 526804.8/7

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5156606.8/19

Out: 0.000+/-0.000 χ^2/NDF:4340318.8/21

All: 0.000+/-0.000 χ^2/NDF: 9524501.7/41



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -795.714+/-692.123 χ^2/NDF:1.3/3

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 982.750+/-612.799 χ^2/NDF:3.5/3

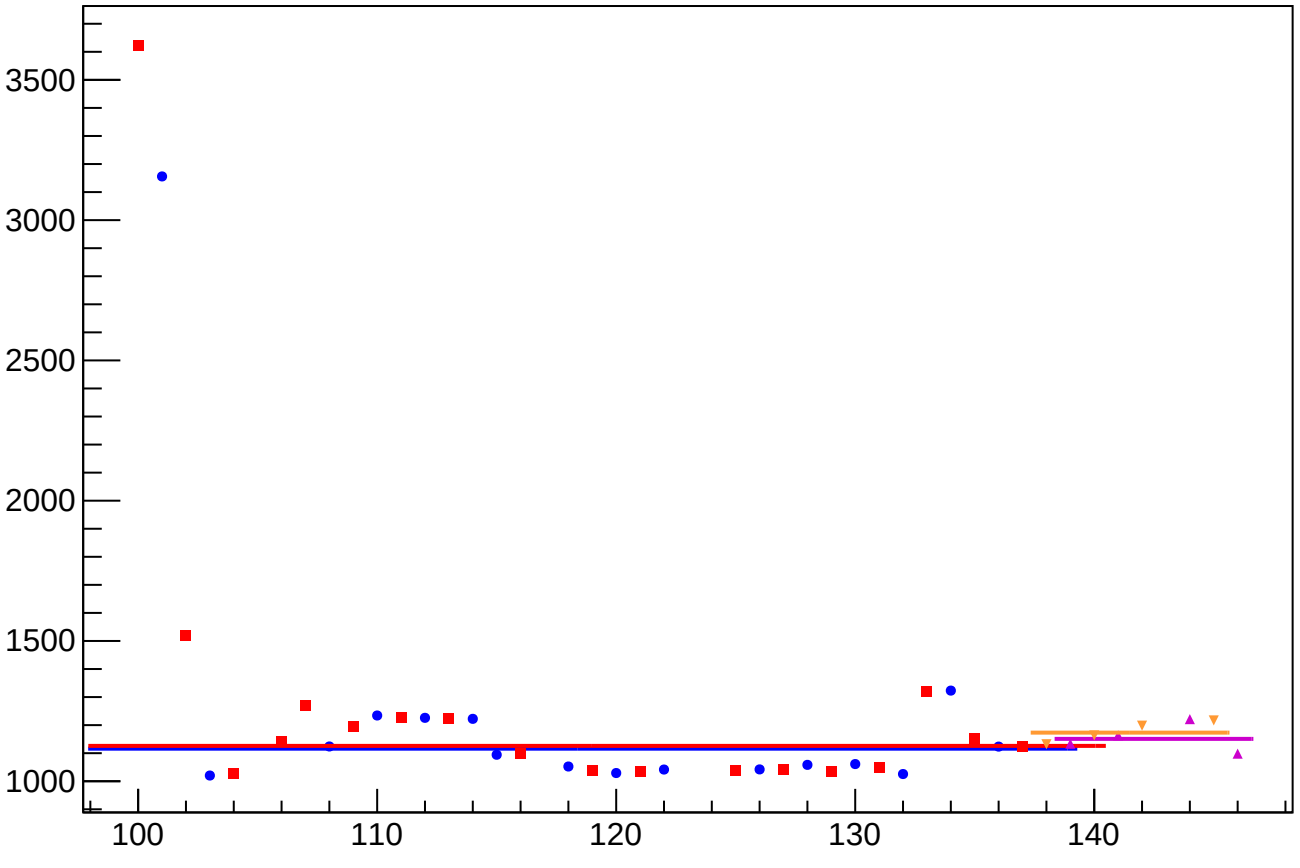
Left: 201.231+/-458.808 χ^2/NDF: 8.6/7

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 495.016+/-349.040 χ^2/NDF:21.4/19

Out: -32.795+/-362.655 χ^2/NDF:20.4/21

All: 241.204+/-251.484 χ^2/NDF: 42.9/41



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1173.285+/-0.489 χ^2/NDF:4666.1/3

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

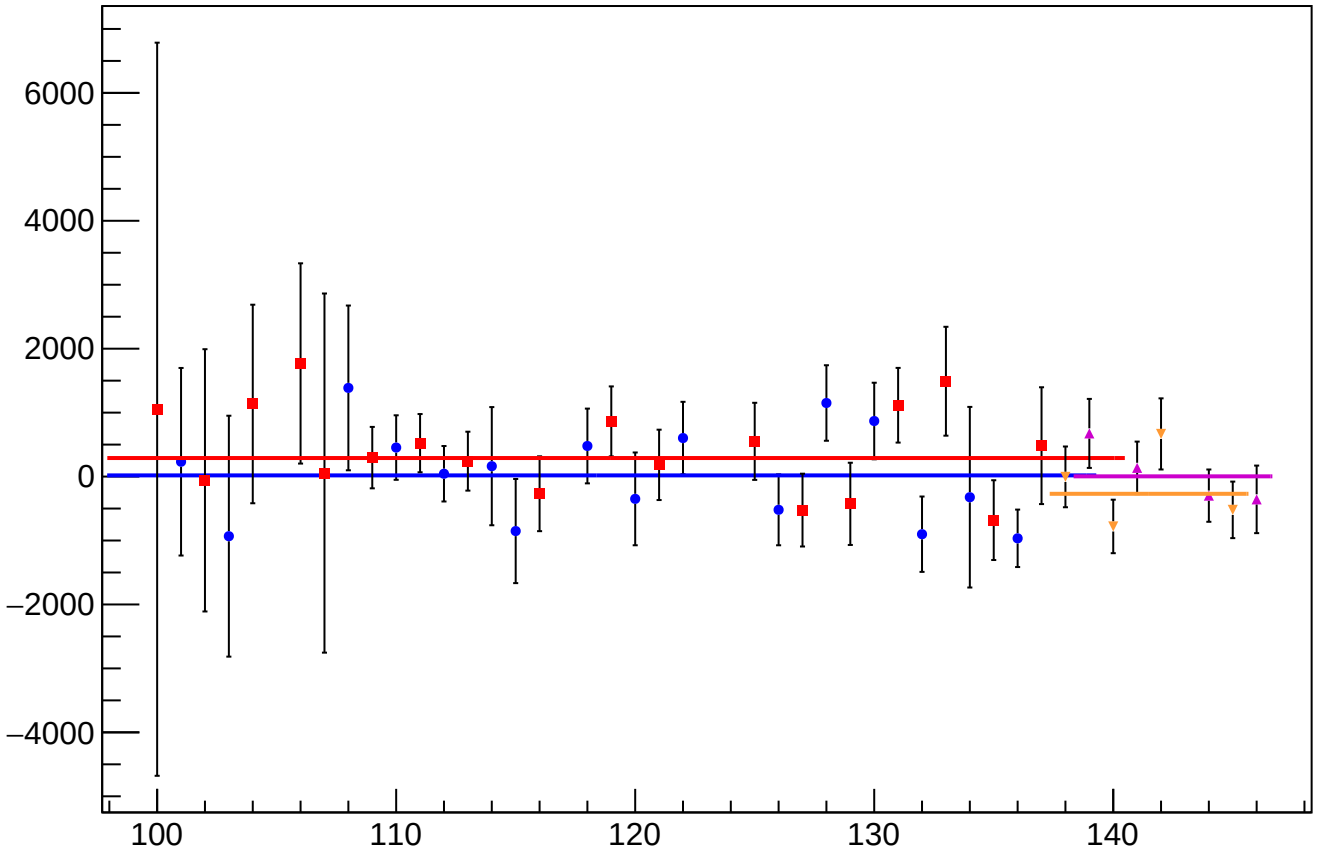
Left: 1160.779+/-0.324 χ^2/NDF: 16546.9/7

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1127.407+/-0.247 χ^2/NDF:638486.0/19

Out: 1138.993+/-0.256 χ^2/NDF:233539.7/21

All: 1132.979+/-0.178 χ^2/NDF: 873085.4/41



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -269.530+/-232.520 χ^2/NDF:5.0/3

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 3.614+/-229.770 χ^2/NDF:2.7/3

Left: -131.333+/-163.436 χ^2/NDF: 8.3/7

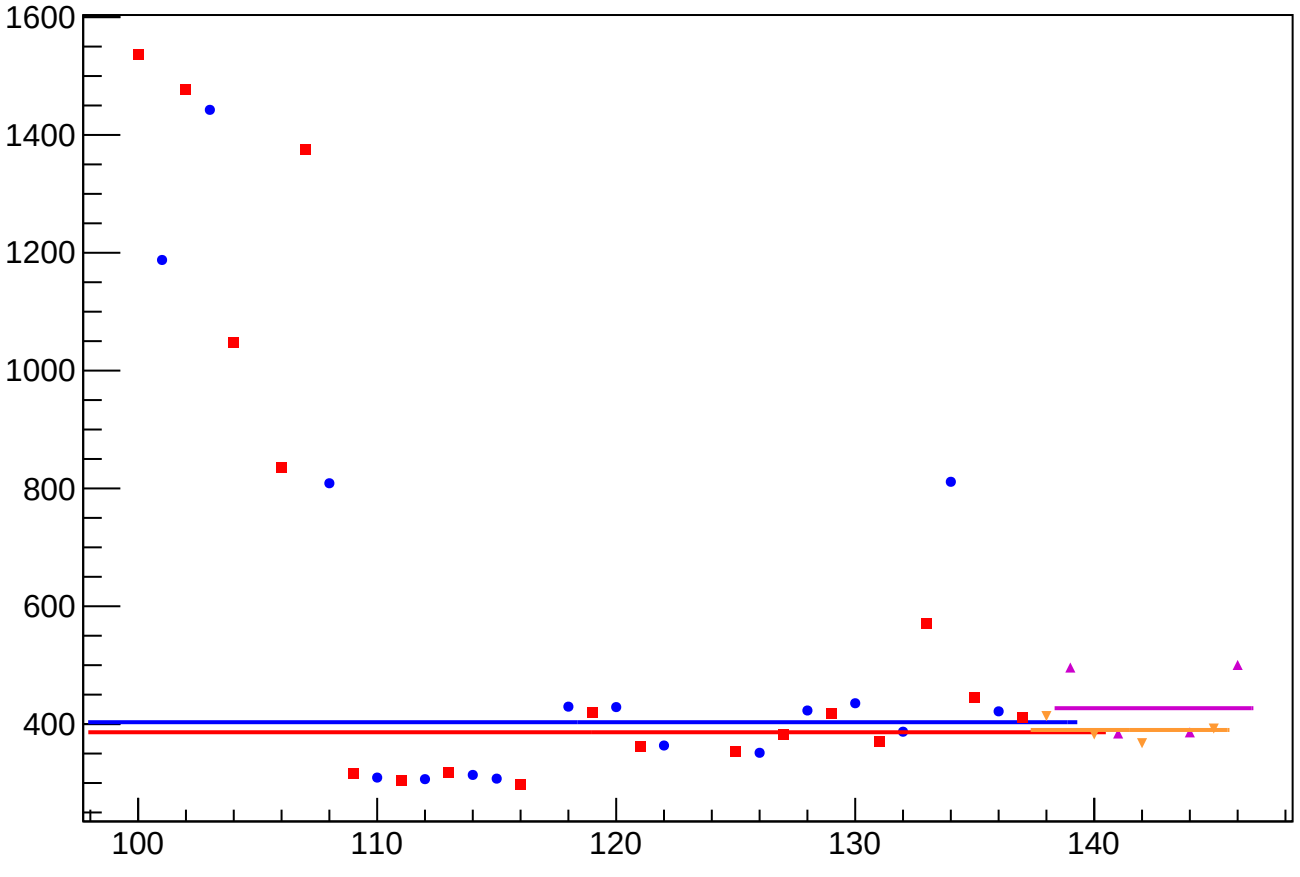
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 13.567+/-131.983 χ^2/NDF:21.9/19

Out: 115.994+/-129.654 χ^2/NDF:22.4/21

All: 65.692+/-92.492 χ^2/NDF: 44.6/41

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 390.015+/-0.164 χ^2/NDF:8914.0/3

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 426.978+/-0.162 χ^2/NDF:113367.4/3

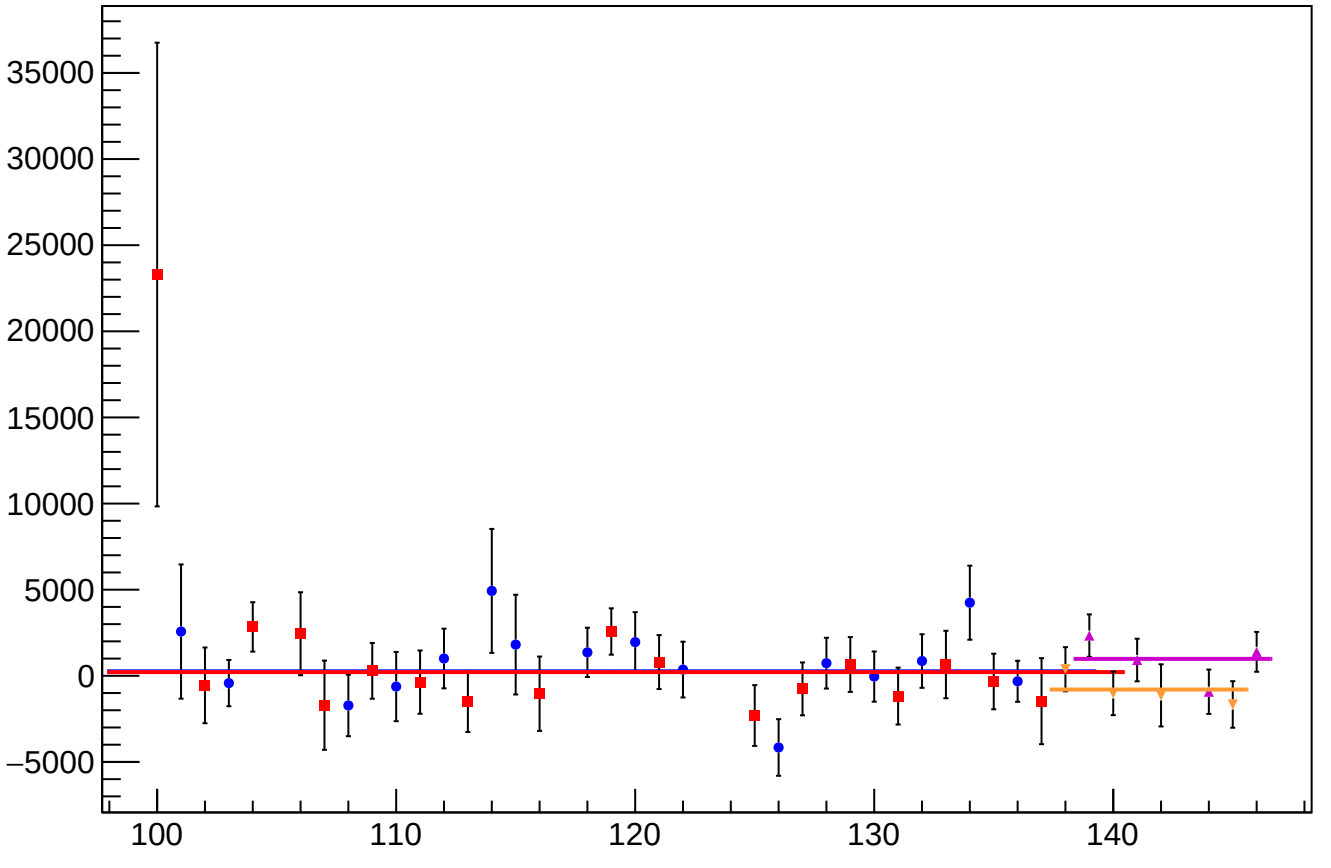
Left: 408.716+/-0.116 χ^2/NDF: 147851.7/7

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 411.042+/-0.093 χ^2/NDF:1936158.0/19

Out: 387.349+/-0.092 χ^2/NDF:1768409.5/21

All: 398.984+/-0.065 χ^2/NDF: 3737365.5/41



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -795.702+/-692.123 χ^2/NDF:1.3/3

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 982.761+/-612.799 χ^2/NDF:3.5/3

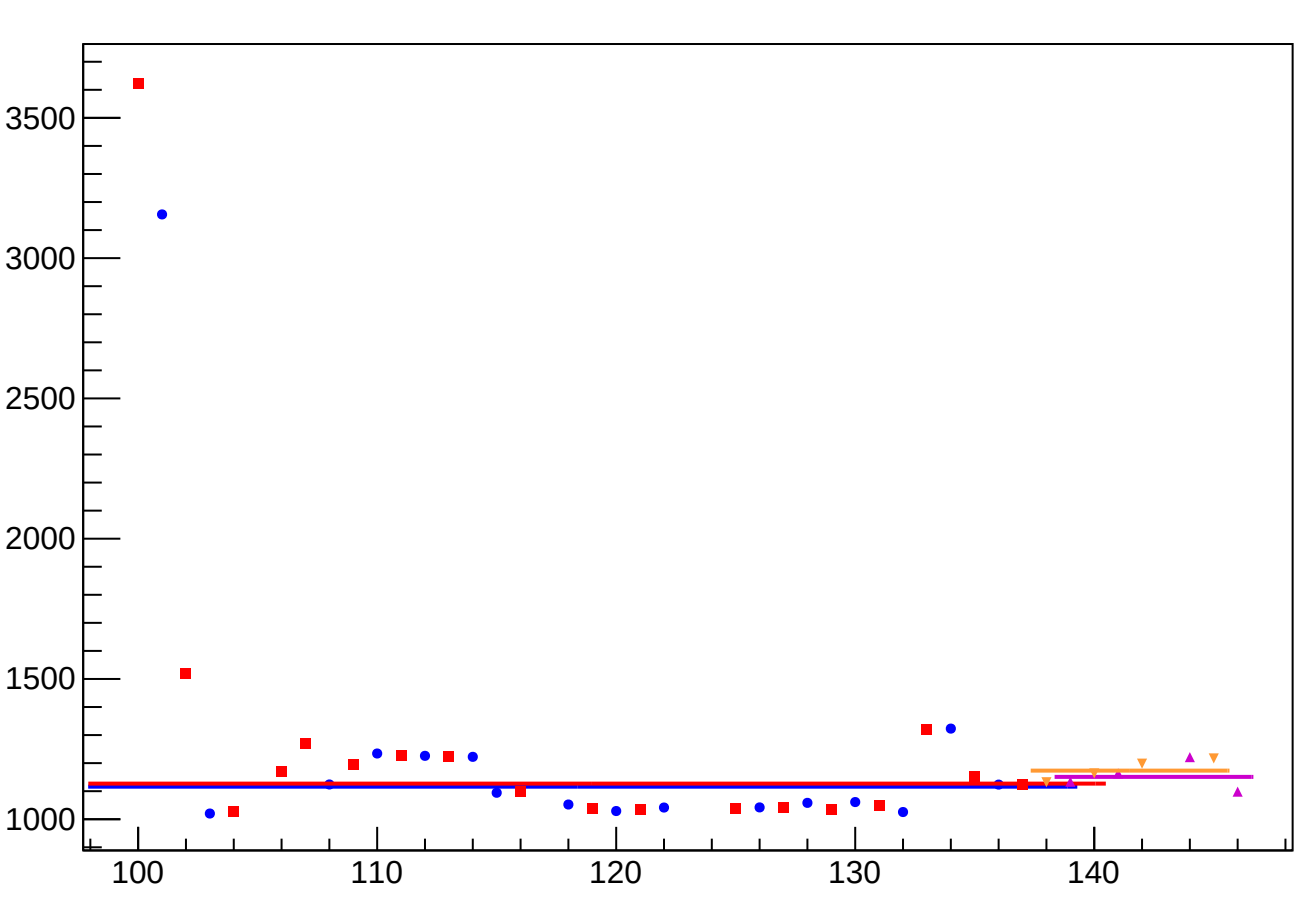
Left: 201.242+/-458.808 χ^2/NDF: 8.6/7

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 494.762+/-349.040 χ^2/NDF:21.4/19

Out: -63.377+/-362.999 χ^2/NDF:19.1/21

All: 226.631+/-251.599 χ^2/NDF: 41.7/41



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1173.285+/-0.489 χ^2/NDF:4666.1/3

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

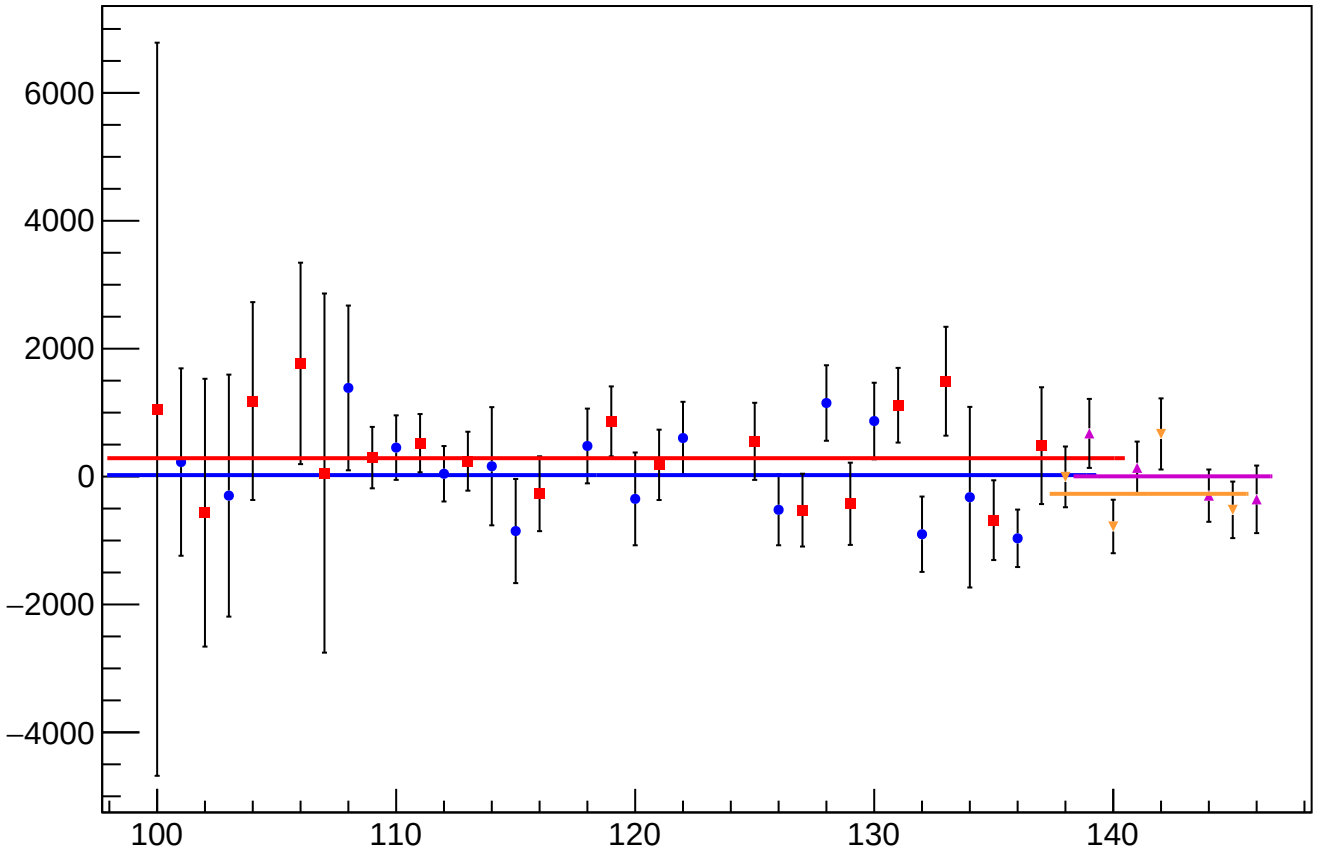
Left: 1160.779+/-0.324 χ^2/NDF: 16546.9/7

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1127.407+/-0.247 χ^2/NDF:638487.1/19

Out: 1139.703+/-0.257 χ^2/NDF:233901.4/21

All: 1133.314+/-0.178 χ^2/NDF: 873580.8/41



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -269.711+/-232.518 χ^2/NDF:5.0/3

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 3.769+/-229.768 χ^2/NDF:2.7/3

Left: -131.344+/-163.434 χ^2/NDF: 8.3/7

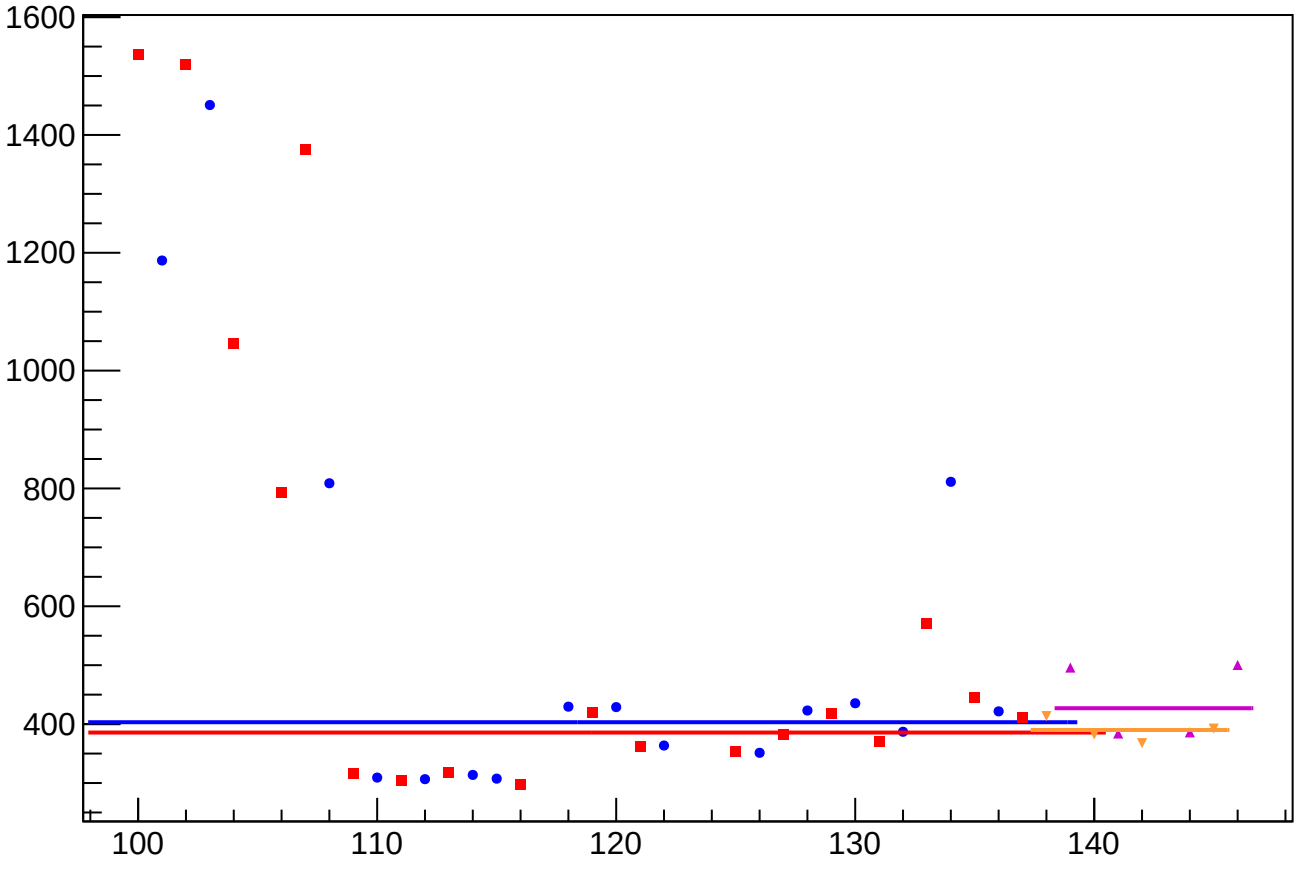
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 16.603+/-131.983 χ^2/NDF:21.6/19

Out: 114.293+/-129.667 χ^2/NDF:22.6/21

All: 66.313+/-92.496 χ^2/NDF: 44.5/41

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 390.012+/-0.164 χ^2/NDF:8904.3/3

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 426.975+/-0.162 χ^2/NDF:113343.6/3

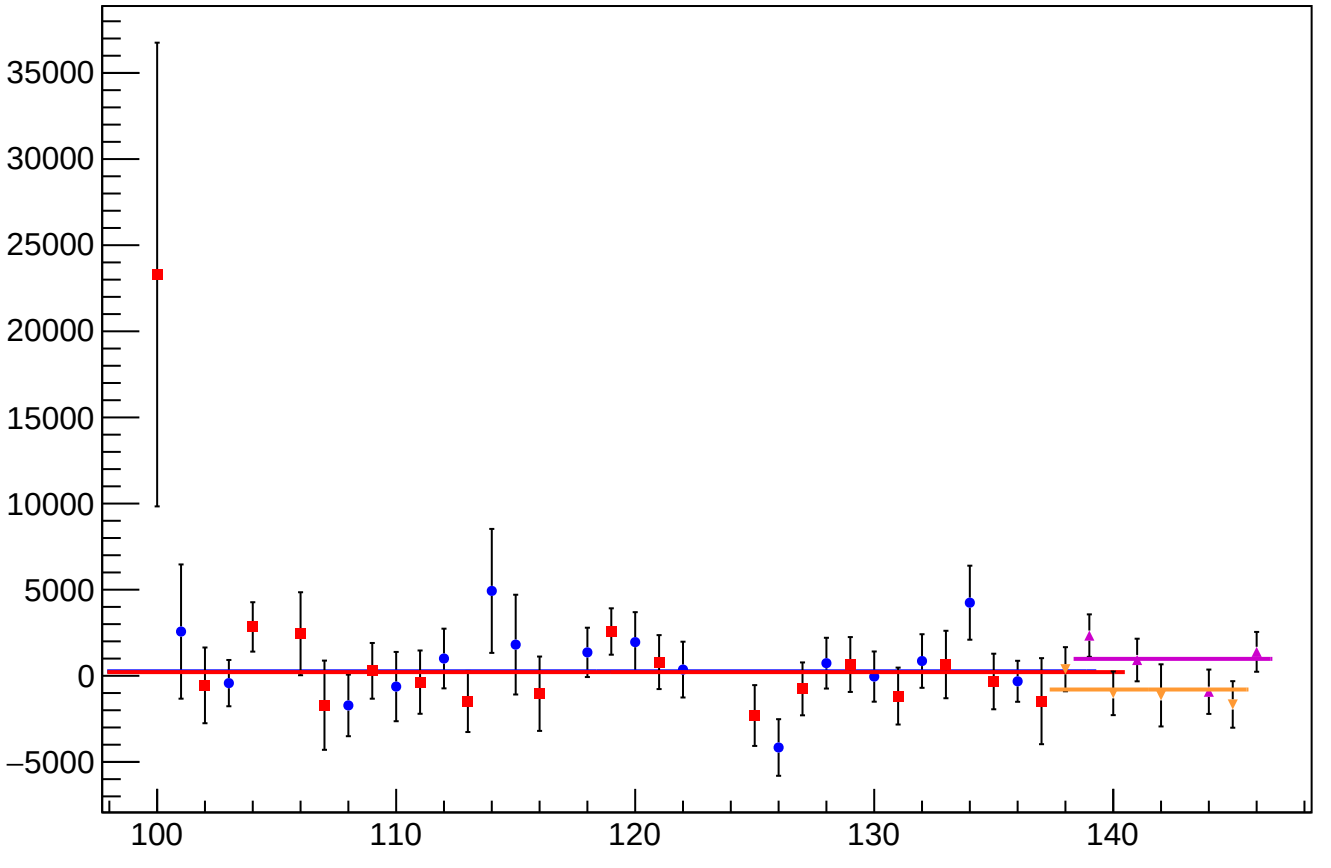
Left: 408.714+/-0.116 χ^2/NDF: 147818.9/7

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 411.033+/-0.093 χ^2/NDF:1939824.1/19

Out: 387.028+/-0.092 χ^2/NDF:1756534.6/21

All: 398.818+/-0.065 χ^2/NDF: 3730022.8/41



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -795.702+/-692.123 χ^2/NDF:1.3/3

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 982.761+/-612.799 χ^2/NDF:3.5/3

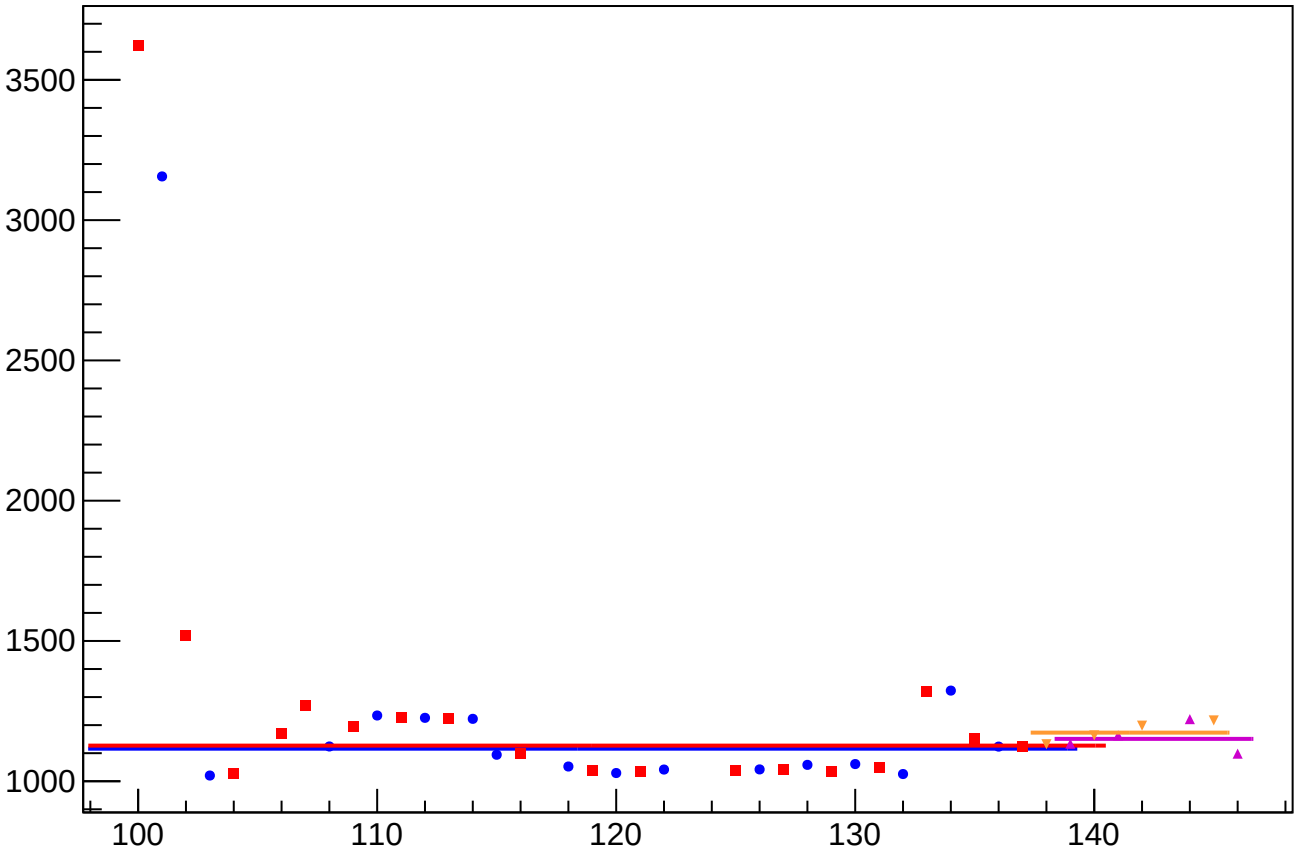
Left: 201.242+/-458.808 χ^2/NDF: 8.6/7

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 494.762+/-349.040 χ^2/NDF:21.4/19

Out: -63.377+/-362.999 χ^2/NDF:19.1/21

All: 226.631+/-251.599 χ^2/NDF: 41.7/41



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1173.285+/-0.489 χ^2/NDF:4666.1/3

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

Left: 1160.779+/-0.324 χ^2/NDF: 16546.9/7

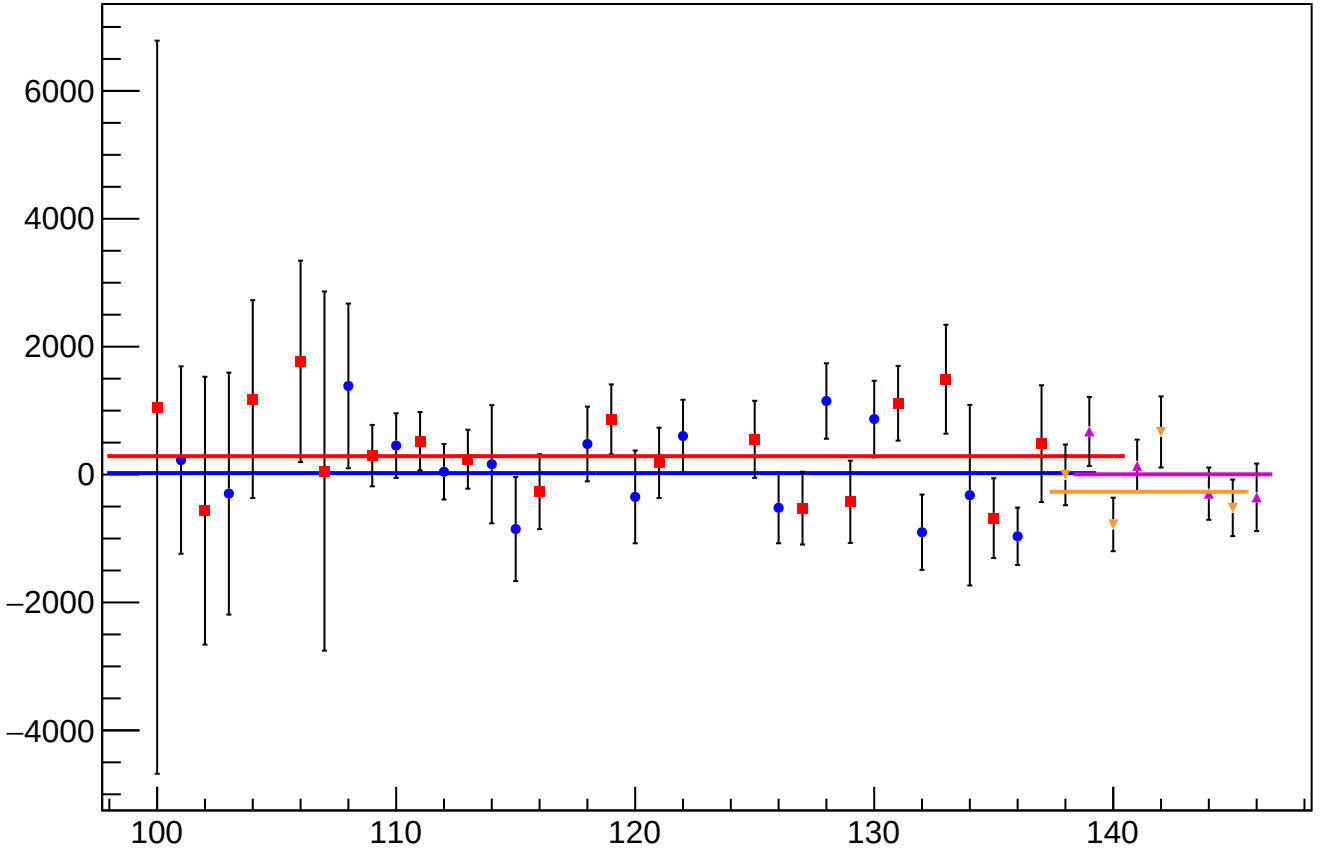
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1127.407+/-0.247 χ^2/NDF:638487.1/19

Out: 1139.703+/-0.257 χ^2/NDF:233901.4/21

All: 1133.314+/-0.178 χ^2/NDF: 873580.8/41

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -269.711+/-232.518 χ^2/NDF:5.0/3

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 3.769+/-229.768 χ^2/NDF:2.7/3

Left: -131.344+/-163.434 χ^2/NDF: 8.3/7

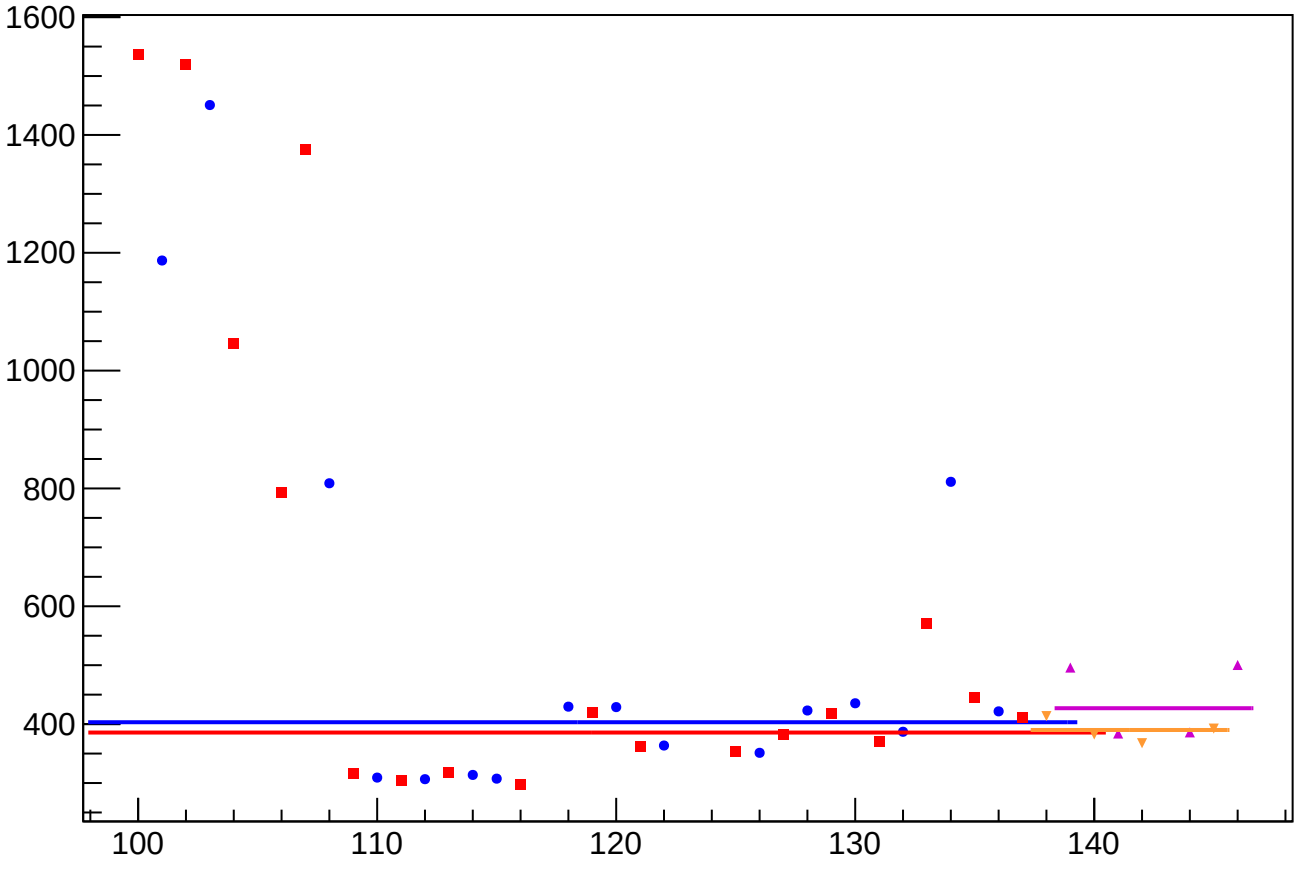
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 16.603+/-131.983 χ^2/NDF:21.6/19

Out: 114.293+/-129.667 χ^2/NDF:22.6/21

All: 66.313+/-92.496 χ^2/NDF: 44.5/41

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 390.012+/-0.164 χ^2/NDF:8904.3/3

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 426.975+/-0.162 χ^2/NDF:113343.6/3

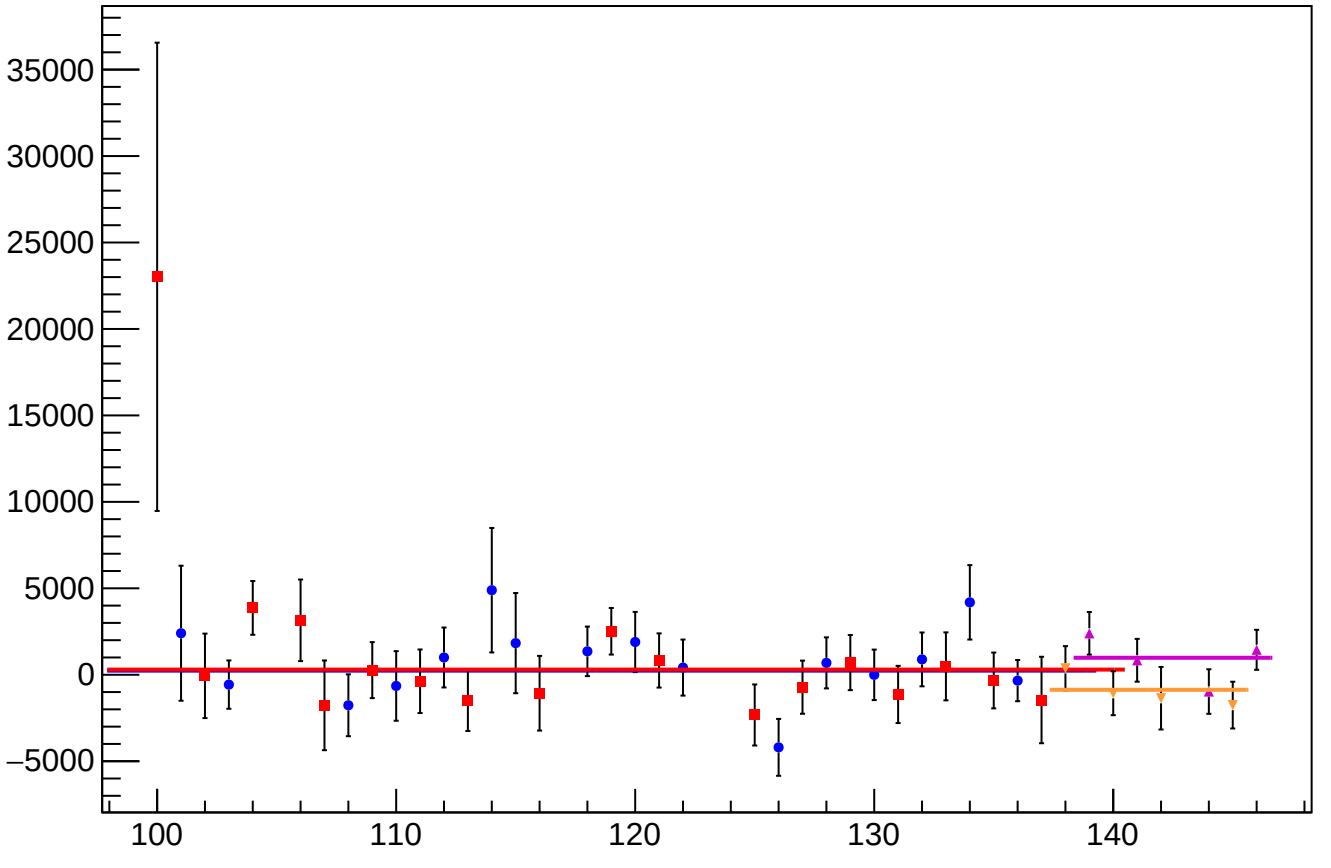
Left: 408.714+/-0.116 χ^2/NDF: 147818.9/7

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 411.033+/-0.093 χ^2/NDF:1939824.1/19

Out: 387.028+/-0.092 χ^2/NDF:1756534.6/21

All: 398.818+/-0.065 χ^2/NDF: 3730022.8/41



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -869.538+/-693.144 χ^2/NDF:1.5/3

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 983.544+/-613.426 χ^2/NDF:3.8/3

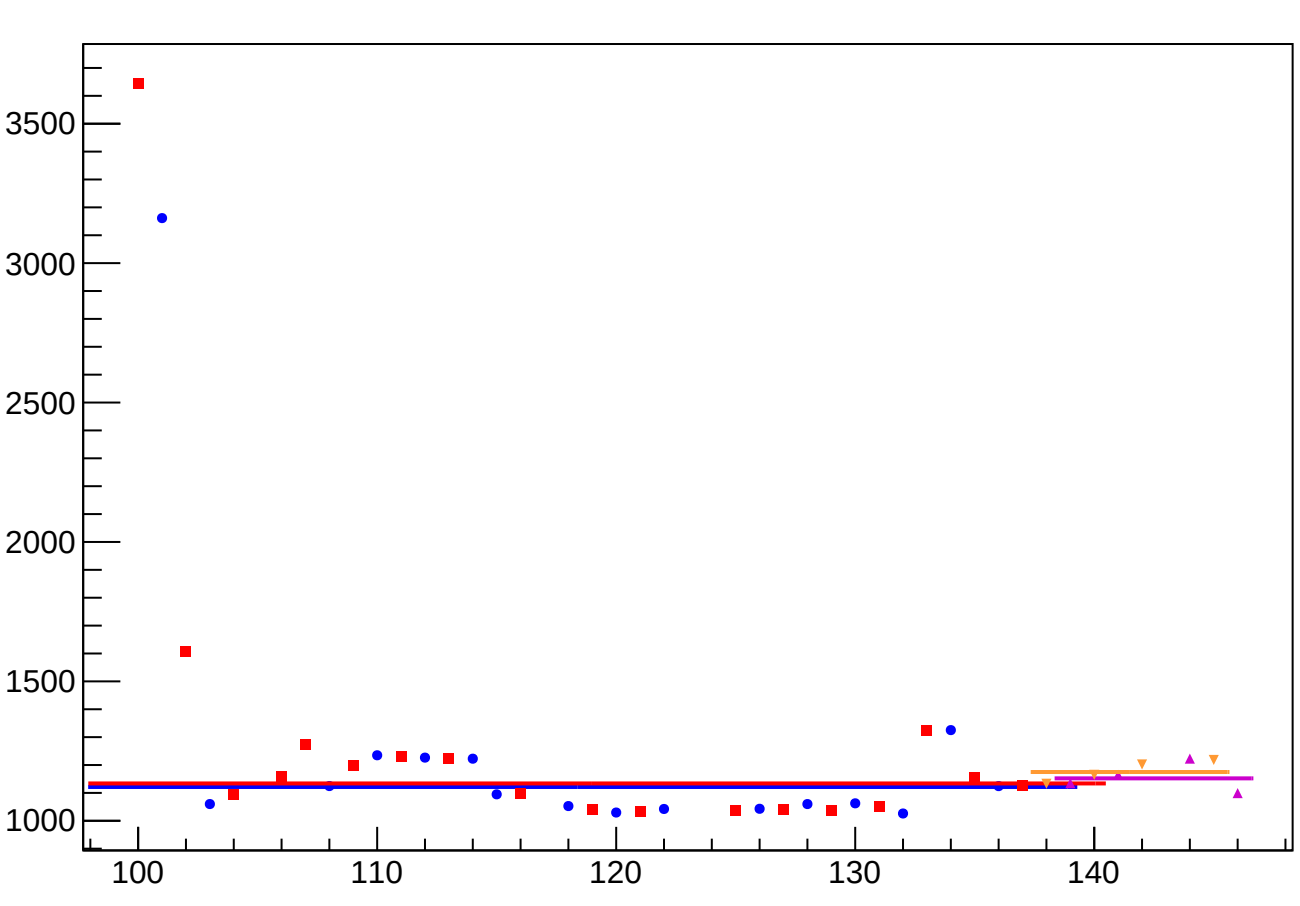
Left: 169.646+/-459.369 χ^2/NDF: 9.3/7

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 482.931+/-350.229 χ^2/NDF:21.7/19

Out: -26.629+/-365.869 χ^2/NDF:22.2/21

All: 239.275+/-252.998 χ^2/NDF: 44.9/41



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1174.977+/-0.490 χ^2/NDF:4773.2/3

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1152.134+/-0.434 χ^2/NDF:10822.4/3

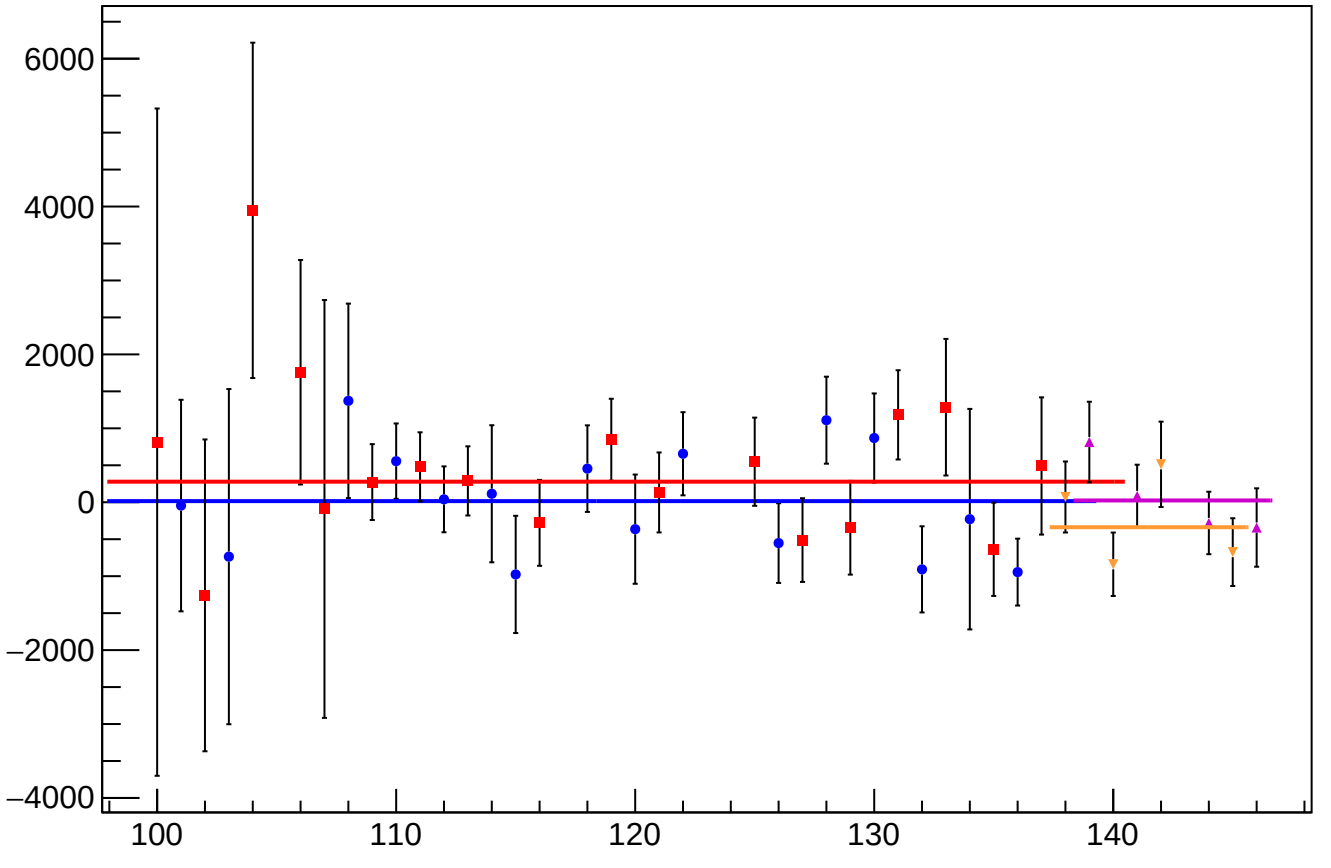
Left: 1162.167+/-0.325 χ^2/NDF: 16813.7/7

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1131.347+/-0.248 χ^2/NDF:631258.1/19

Out: 1145.366+/-0.259 χ^2/NDF:237289.9/21

All: 1138.050+/-0.179 χ^2/NDF: 870080.3/41



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -337.706+/-238.792 χ^2/NDF:4.8/3

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 24.238+/-234.836 χ^2/NDF:3.1/3

Left: -153.711+/-167.435 χ^2/NDF: 9.1/7

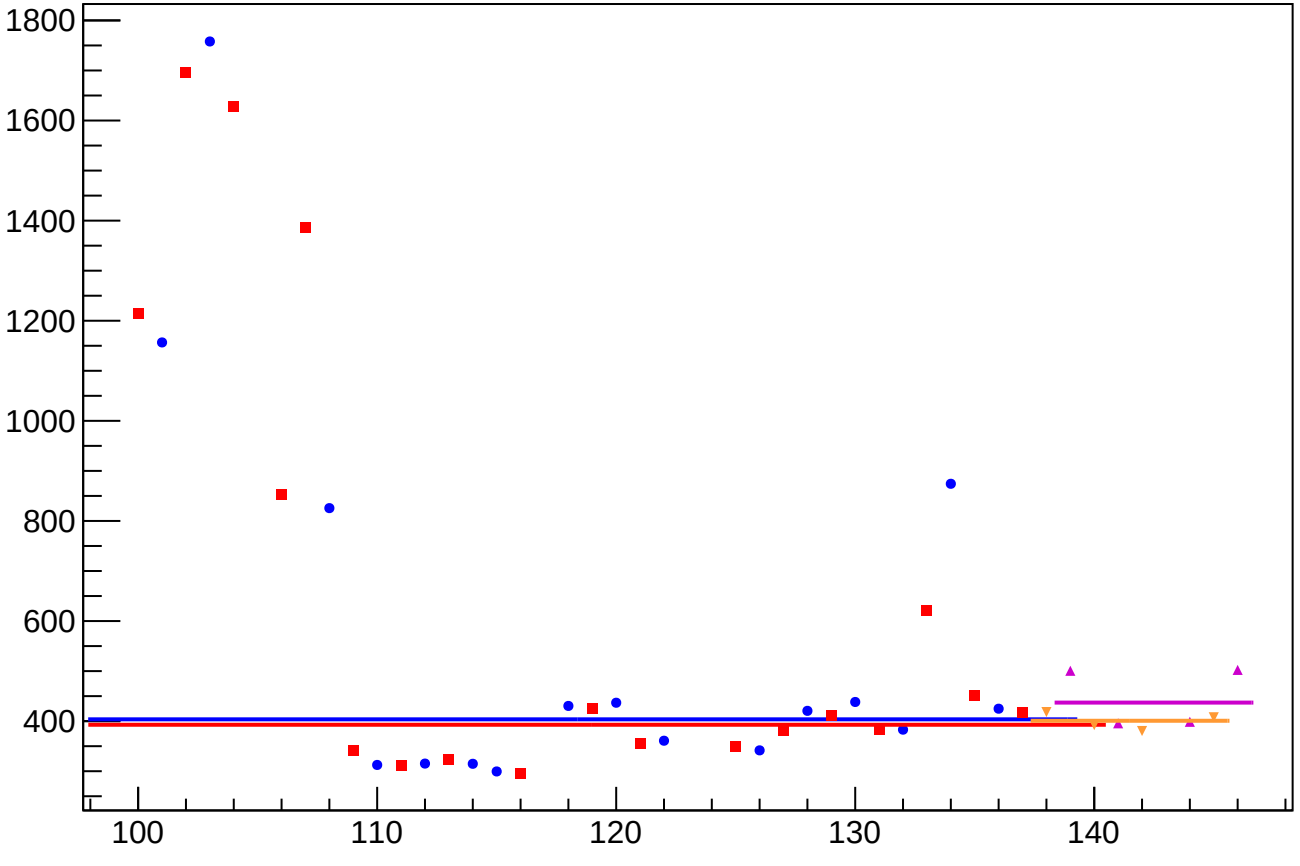
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 18.173+/-133.263 χ^2/NDF:22.7/19

Out: 89.332+/-132.246 χ^2/NDF:24.5/21

All: 54.024+/-93.870 χ^2/NDF: 47.4/41

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: 400.790+/-0.169 χ^2/NDF:6411.9/3

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 437.098+/-0.166 χ^2/NDF:93289.6/3

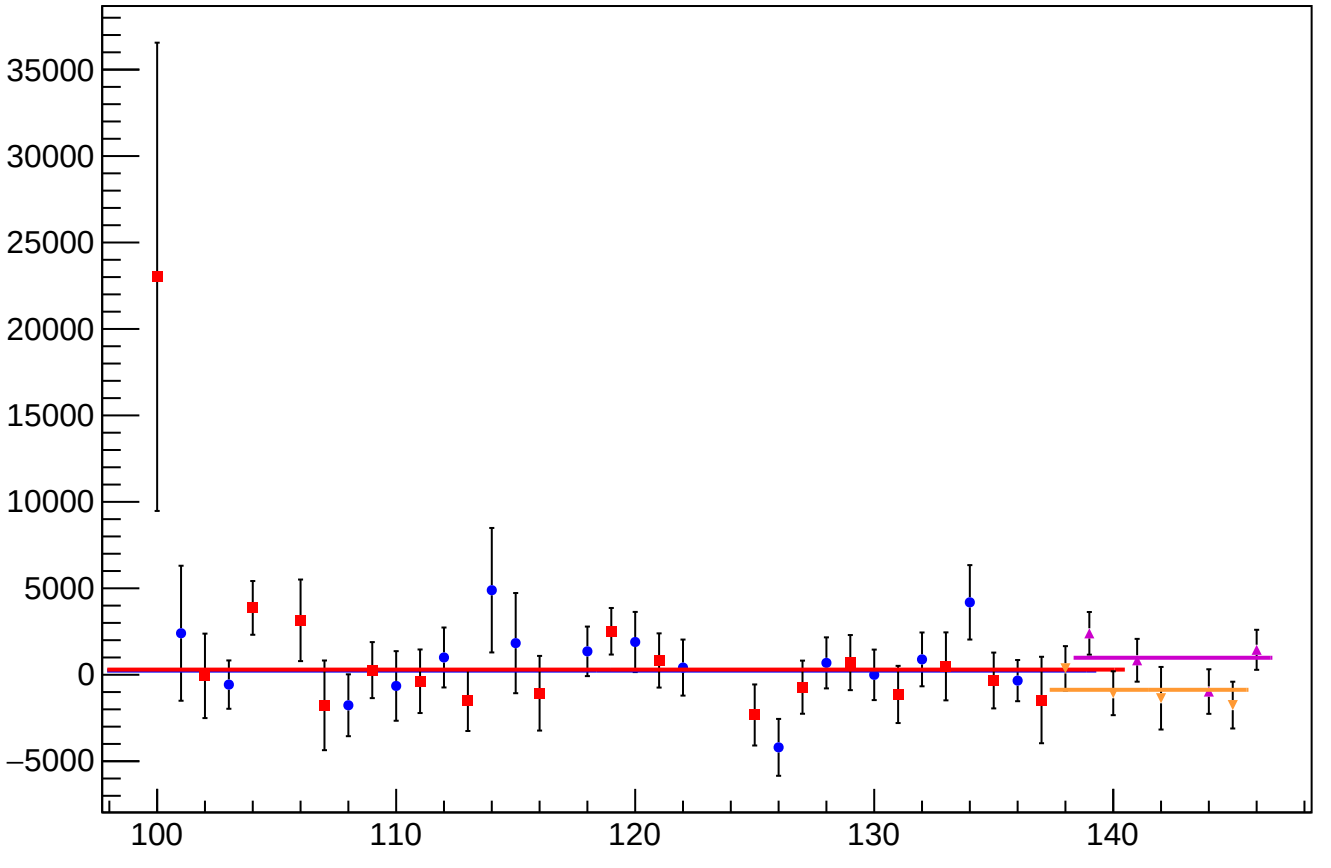
Left: 419.247+/-0.118 χ^2/NDF: 123206.3/7

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 414.425+/-0.094 χ^2/NDF:2050384.9/19

Out: 395.265+/-0.094 χ^2/NDF:2211412.4/21

All: 404.771+/-0.066 χ^2/NDF: 4282627.4/41



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -869.545+/-693.144 χ^2/NDF:1.5/3

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 983.541+/-613.426 χ^2/NDF:3.8/3

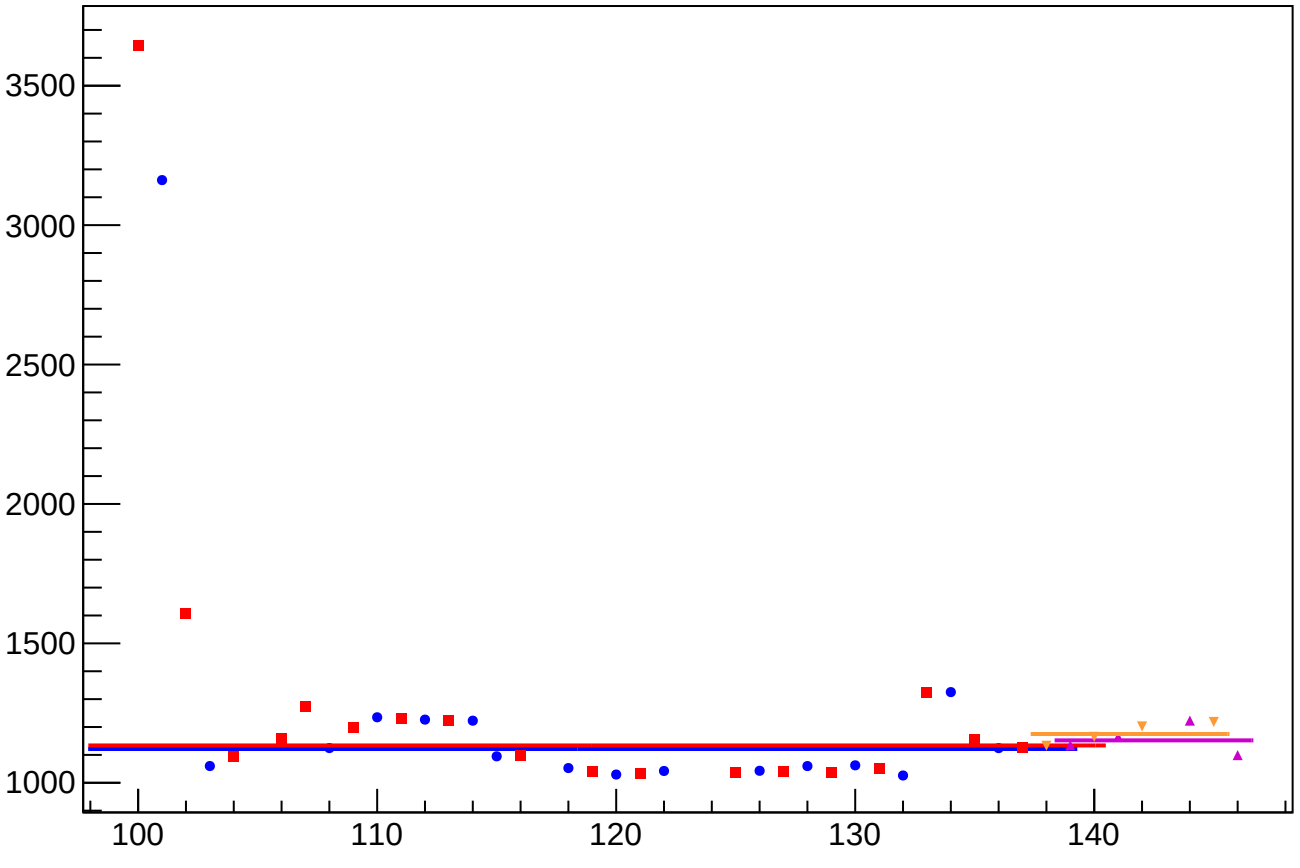
Left: 169.642+/-459.369 χ^2/NDF: 9.3/7

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 482.932+/-350.229 χ^2/NDF:21.7/19

Out: -26.630+/-365.869 χ^2/NDF:22.2/21

All: 239.275+/-252.998 χ^2/NDF: 44.9/41



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1174.977+/-0.490 χ^2/NDF:4773.2/3

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1152.134+/-0.434 χ^2/NDF:10822.5/3

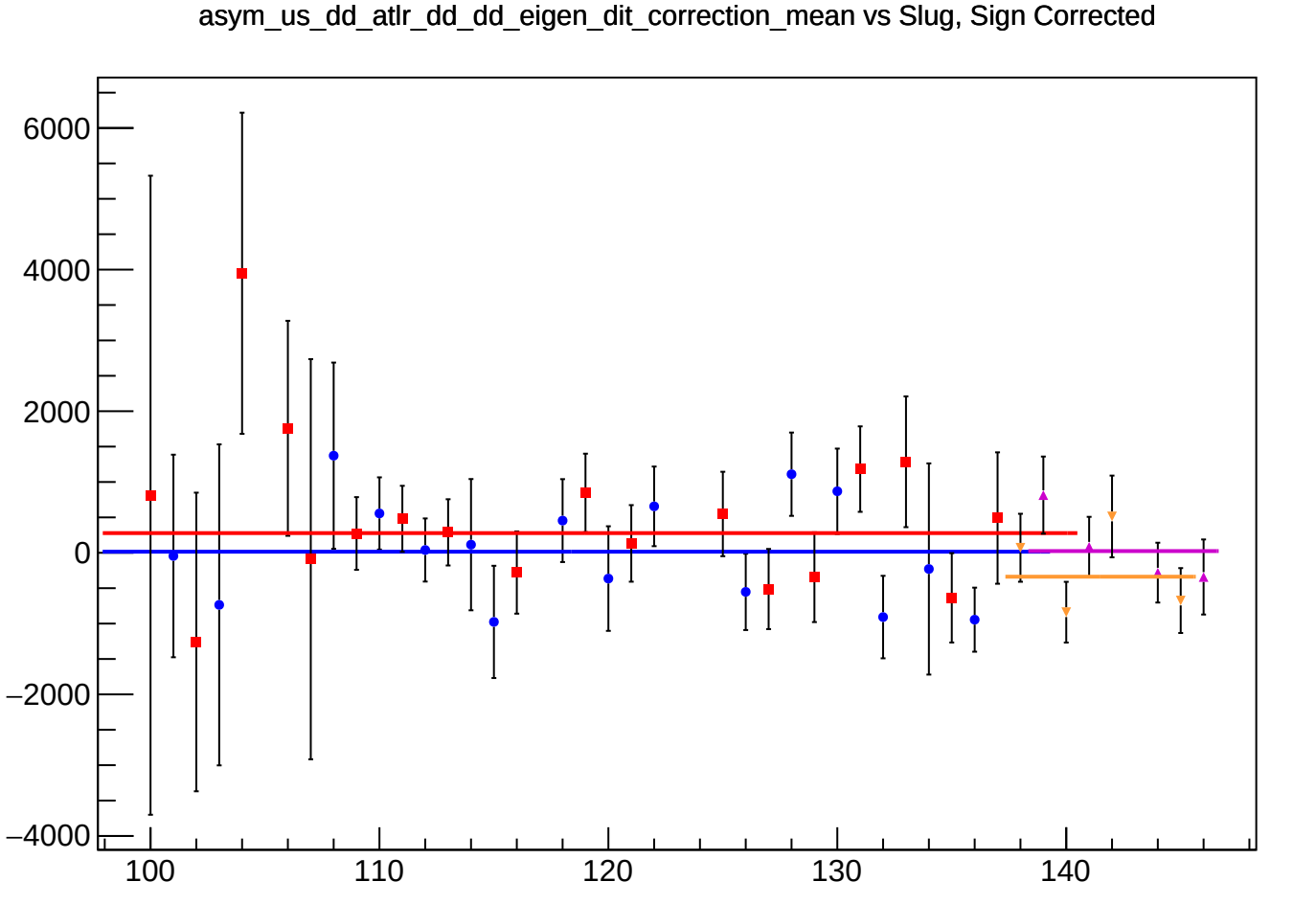
Left: 1162.167+/-0.325 χ^2/NDF: 16813.8/7

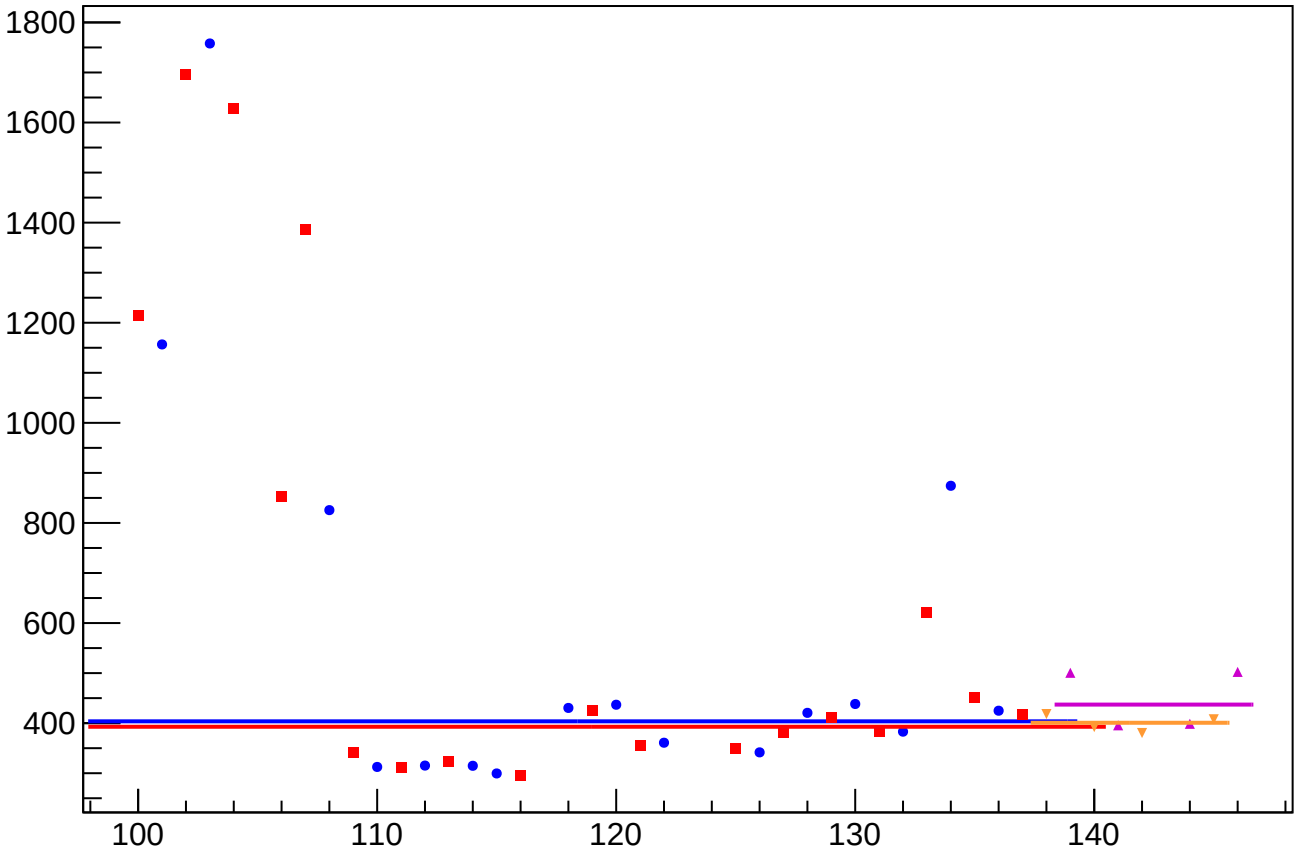
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1131.347+/-0.248 χ^2/NDF:631258.2/19

Out: 1145.366+/-0.259 χ^2/NDF:237290.1/21

All: 1138.050+/-0.179 χ^2/NDF: 870080.5/41


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
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -337.716+/-238.792 χ²/NDF:4.8/3
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 24.244+/-234.837 χ²/NDF:3.1/3
Left: -153.714+/-167.436 χ²/NDF: 9.1/7
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 18.172+/-133.262 χ²/NDF:22.7/19
Out: 89.329+/-132.246 χ²/NDF:24.5/21
All: 54.023+/-93.869 χ²/NDF: 47.4/41



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 400.790+/-0.169 χ^2/NDF:6409.0/3

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 437.100+/-0.166 χ^2/NDF:93287.2/3

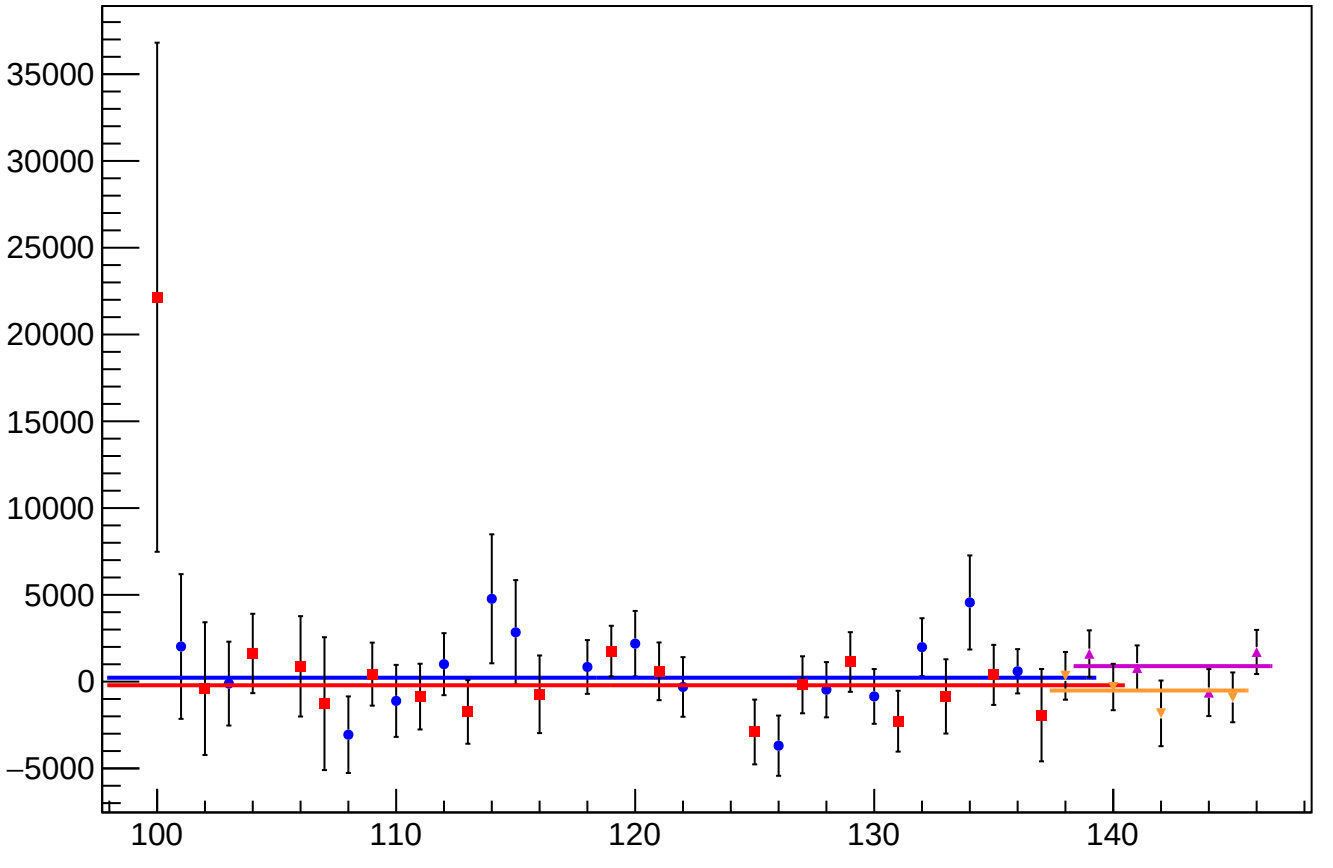
Left: 419.248+/-0.118 χ^2/NDF: 123204.0/7

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 414.423+/-0.094 χ^2/NDF:2050387.9/19

Out: 395.262+/-0.094 χ^2/NDF:2211417.2/21

All: 404.769+/-0.066 χ^2/NDF: 4282637.0/41



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: -511.554+/-734.440 χ^2/NDF:1.0/3

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 892.918+/-659.221 χ^2/NDF:2.0/3

Left: 266.264+/-490.584 χ^2/NDF: 5.0/7

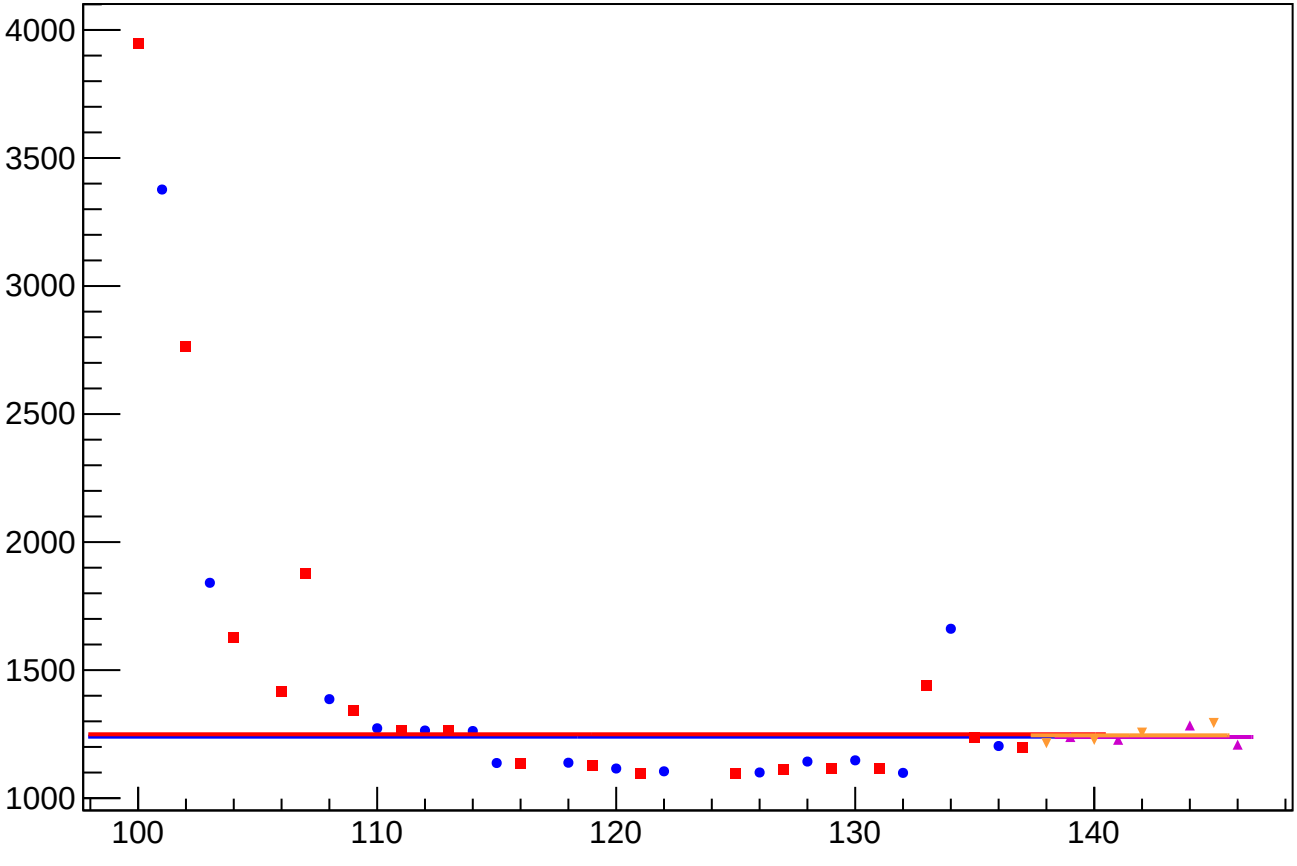
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 452.863+/-385.143 χ^2/NDF:18.8/19

Out: -299.505+/-400.517 χ^2/NDF:12.0/21

All: 91.396+/-277.613 χ^2/NDF: 32.6/41

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1245.336+/-0.519 χ^2/NDF:3693.8/3

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1238.791+/-0.466 χ^2/NDF:3450.8/3

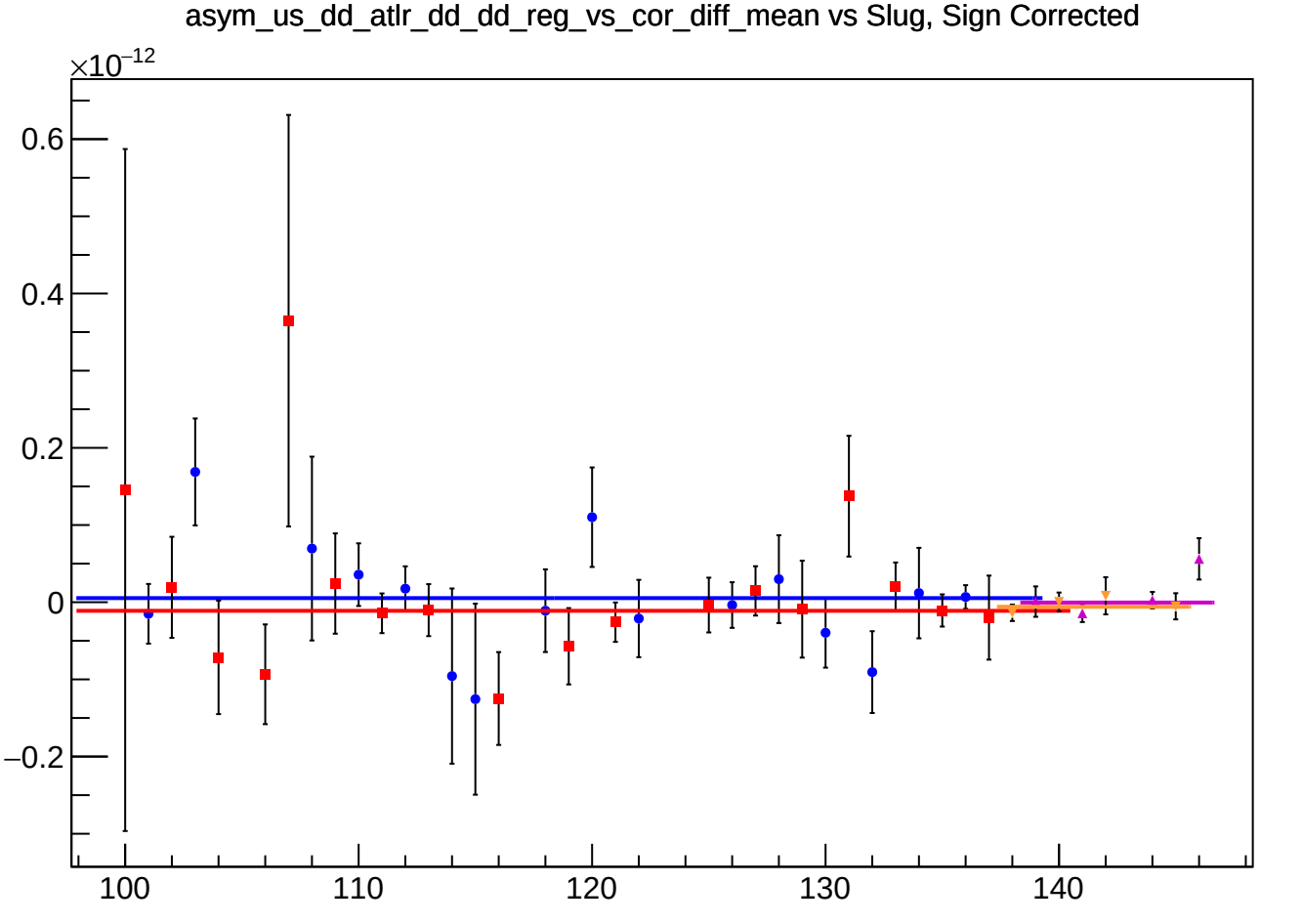
Left: 1241.711+/-0.347 χ^2/NDF: 7232.6/7

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1239.679+/-0.272 χ^2/NDF:786136.1/19

Out: 1248.199+/-0.283 χ^2/NDF:609836.2/21

All: 1243.772+/-0.196 χ^2/NDF: 1396442.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.2/3

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

Left In: -0.000+/-0.000 χ^2/NDF:6.1/3

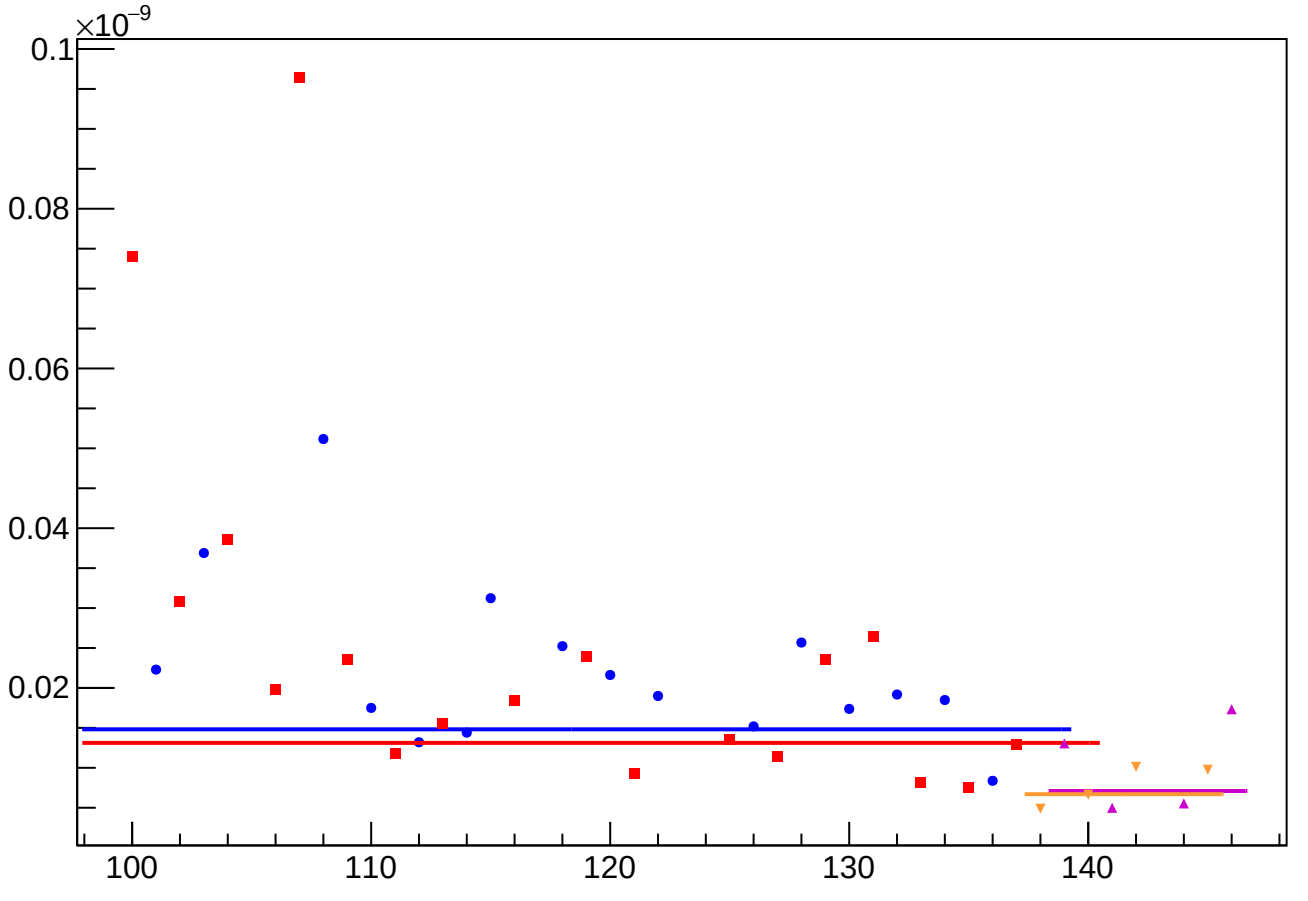
Left: -0.000+/-0.000 χ^2/NDF: 7.5/7

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:22.6/19

Out: -0.000+/-0.000 χ^2/NDF:16.4/21

All: -0.000+/-0.000 χ^2/NDF: 40.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:164476.9/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:585668.5/3

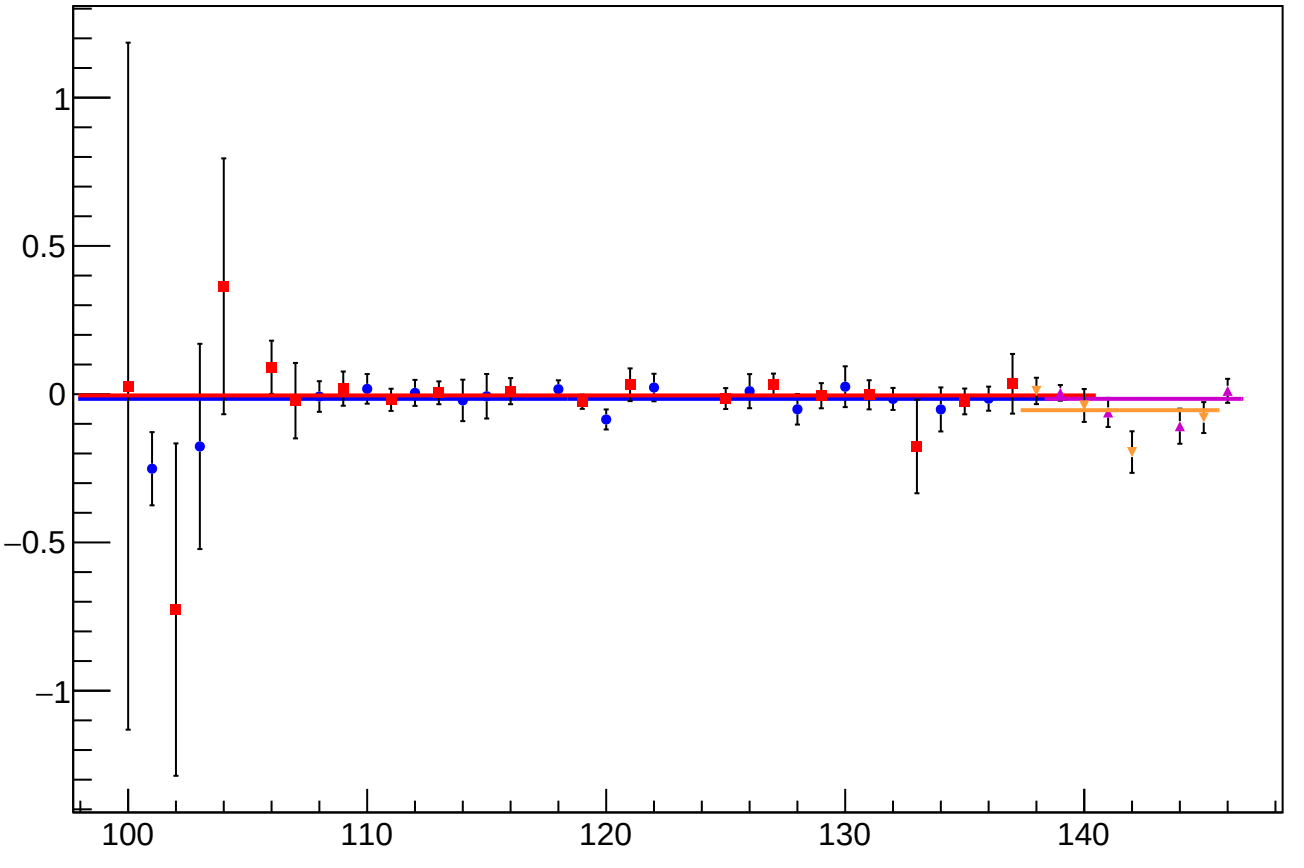
Left: 0.000+/-0.000 χ^2/NDF: 753373.0/7

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2506650.7/19

Out: 0.000+/-0.000 χ^2/NDF:1953559.8/21

All: 0.000+/-0.000 χ^2/NDF: 4479797.0/41



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.054+/-0.027 χ^2/NDF:6.5/3

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.016+/-0.019 χ^2/NDF:4.3/3

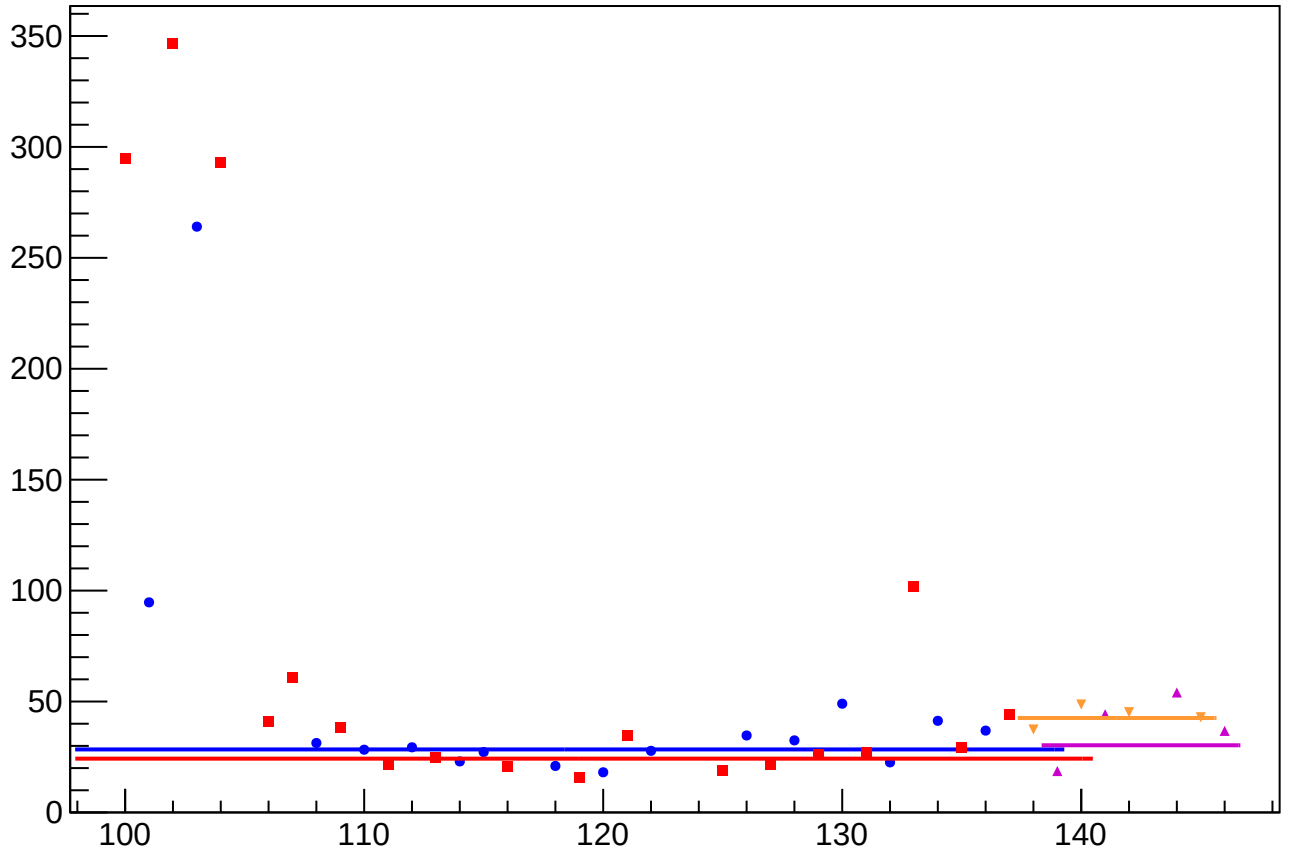
Left: -0.029+/-0.016 χ^2/NDF: 12.2/7

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.010 χ^2/NDF:16.2/19

Out: -0.012+/-0.011 χ^2/NDF:17.3/21

All: -0.014+/-0.007 χ^2/NDF: 33.6/41



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 42.585+/-0.019 χ^2/NDF:53979.0/3

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 30.286+/-0.014 χ^2/NDF:920669.9/3

Left: 34.456+/-0.011 χ^2/NDF: 1255008.1/7

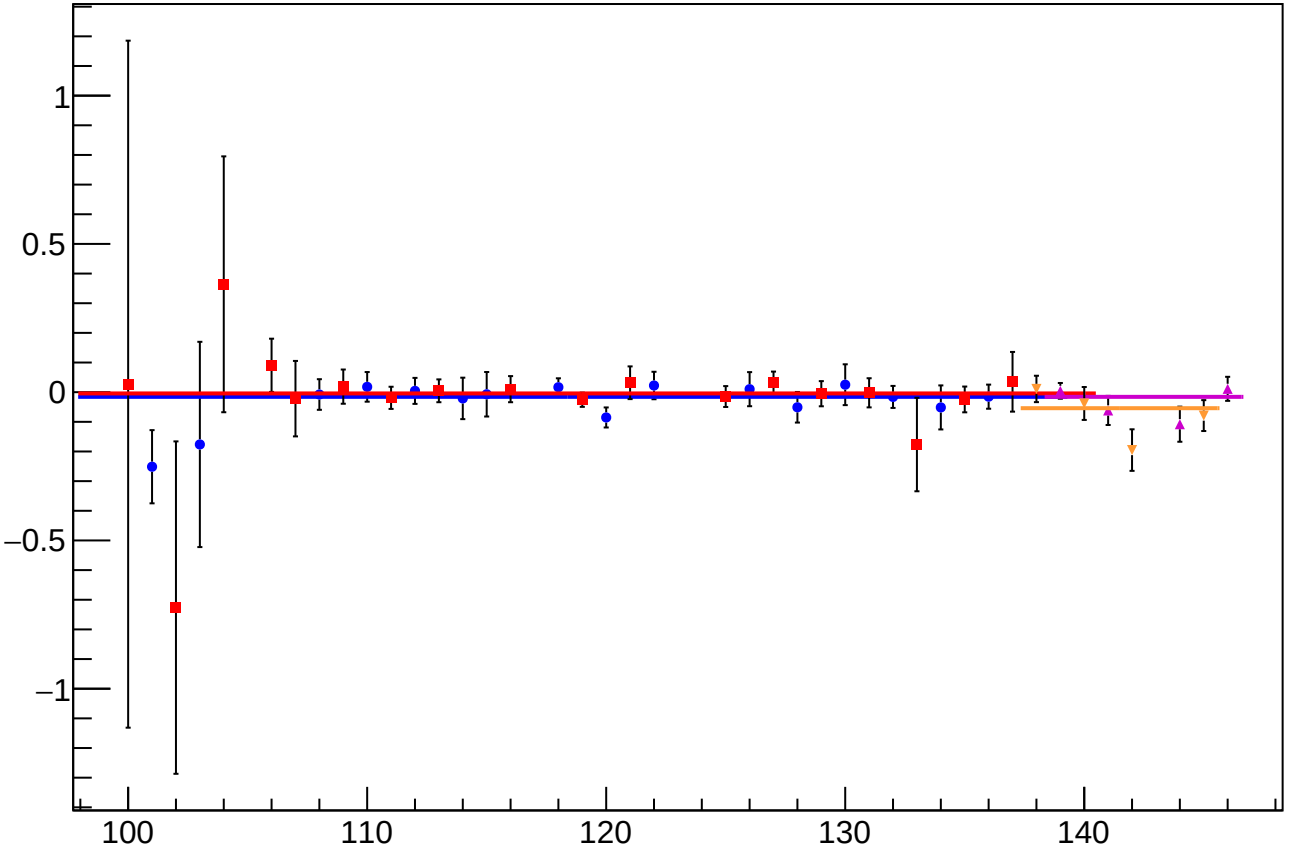
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 28.960+/-0.007 χ^2/NDF:3179904.8/19

Out: 27.096+/-0.007 χ^2/NDF:3763543.5/21

All: 28.043+/-0.005 χ^2/NDF: 6975360.4/41

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: -0.054+/-0.027 χ^2/NDF:6.5/3

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.016+/-0.019 χ^2/NDF:4.3/3

Left: -0.029+/-0.016 χ^2/NDF: 12.2/7

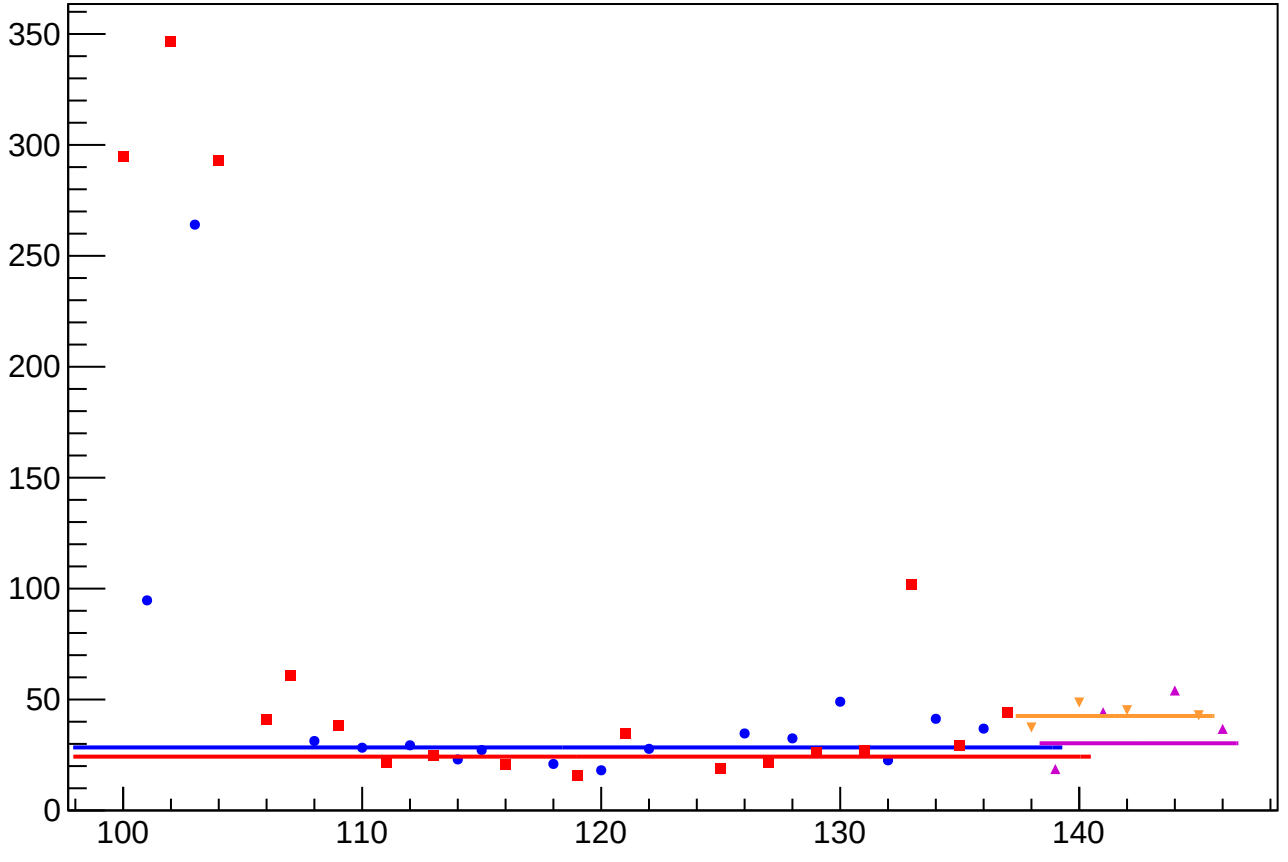
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.010 χ^2/NDF:16.2/19

Out: -0.012+/-0.011 χ^2/NDF:17.3/21

All: -0.014+/-0.007 χ^2/NDF: 33.6/41

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: 42.585+/-0.019 χ^2/NDF:53979.0/3

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 30.286+/-0.014 χ^2/NDF:920669.9/3

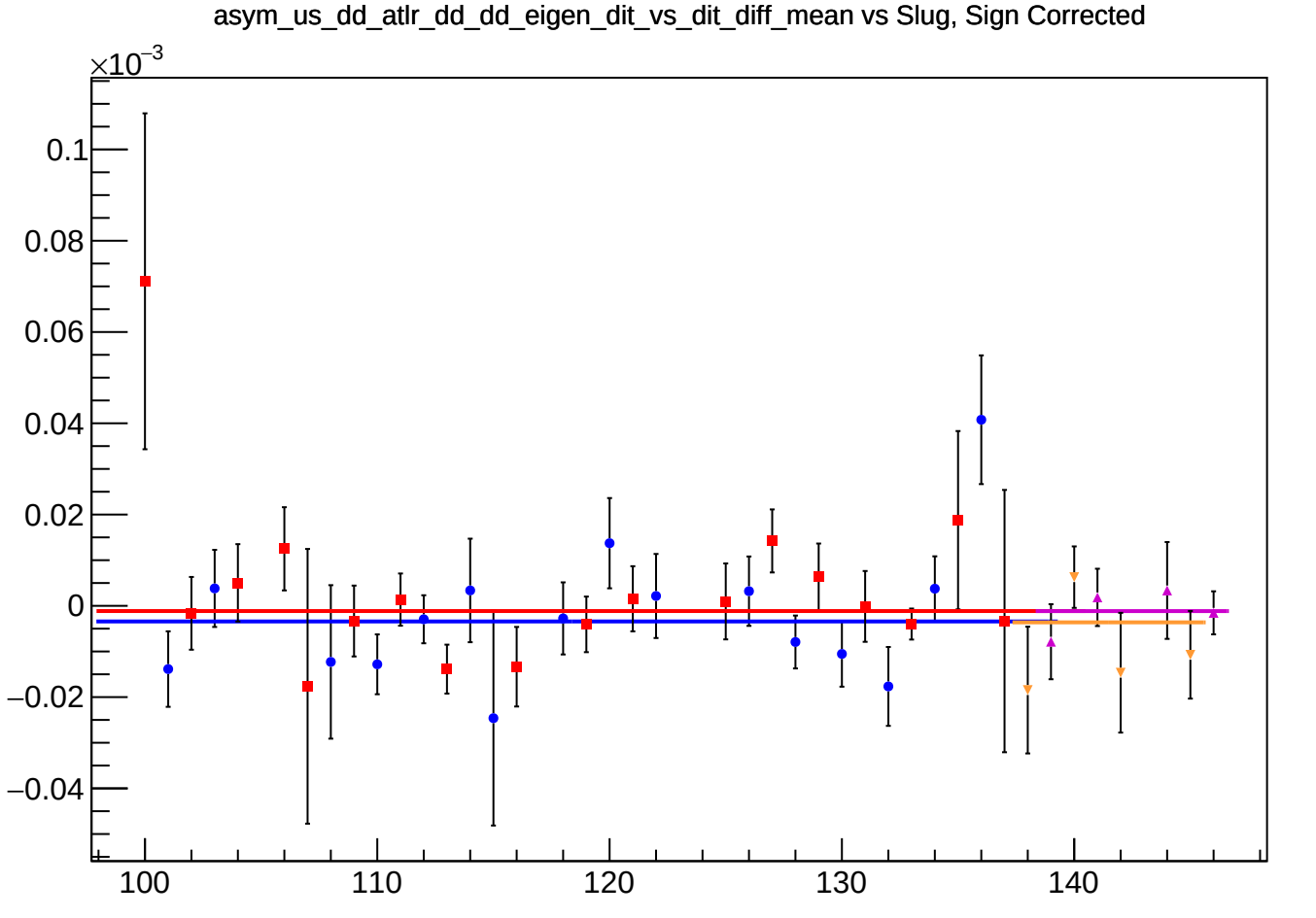
Left: 34.456+/-0.011 χ^2/NDF: 1255008.1/7

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 28.960+/-0.007 χ^2/NDF:3179904.8/19

Out: 27.096+/-0.007 χ^2/NDF:3763543.5/21

All: 28.043+/-0.005 χ^2/NDF: 6975360.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/3

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

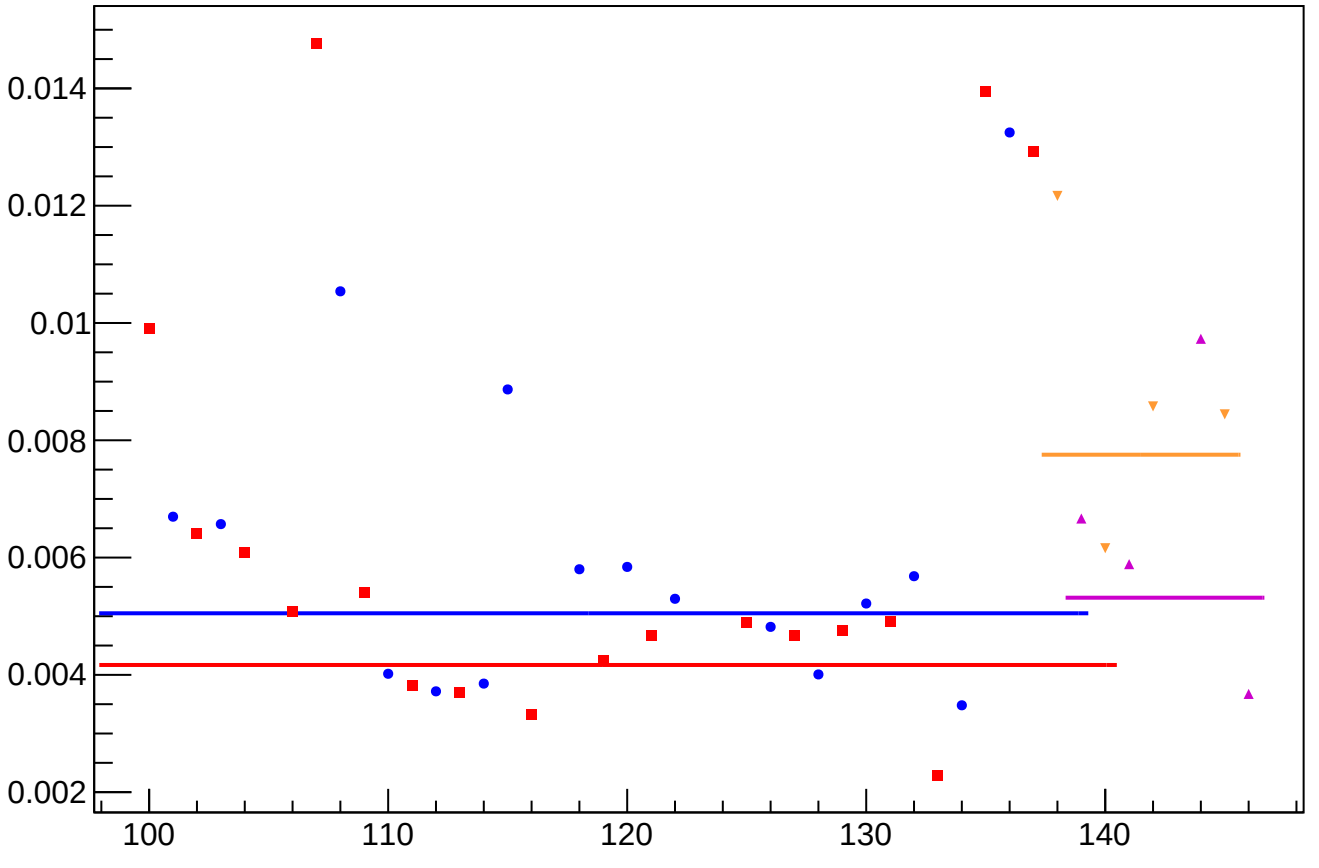
Left: -0.000+/-0.000 χ^2/NDF: 5.8/7

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:26.6/19

Out: -0.000+/-0.000 χ^2/NDF:27.8/21

All: -0.000+/-0.000 χ^2/NDF: 54.7/41



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:332179.9/3

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.005+/-0.000 χ^2/NDF:658848.6/3

Left: 0.006+/-0.000 χ^2/NDF: 1346767.9/7

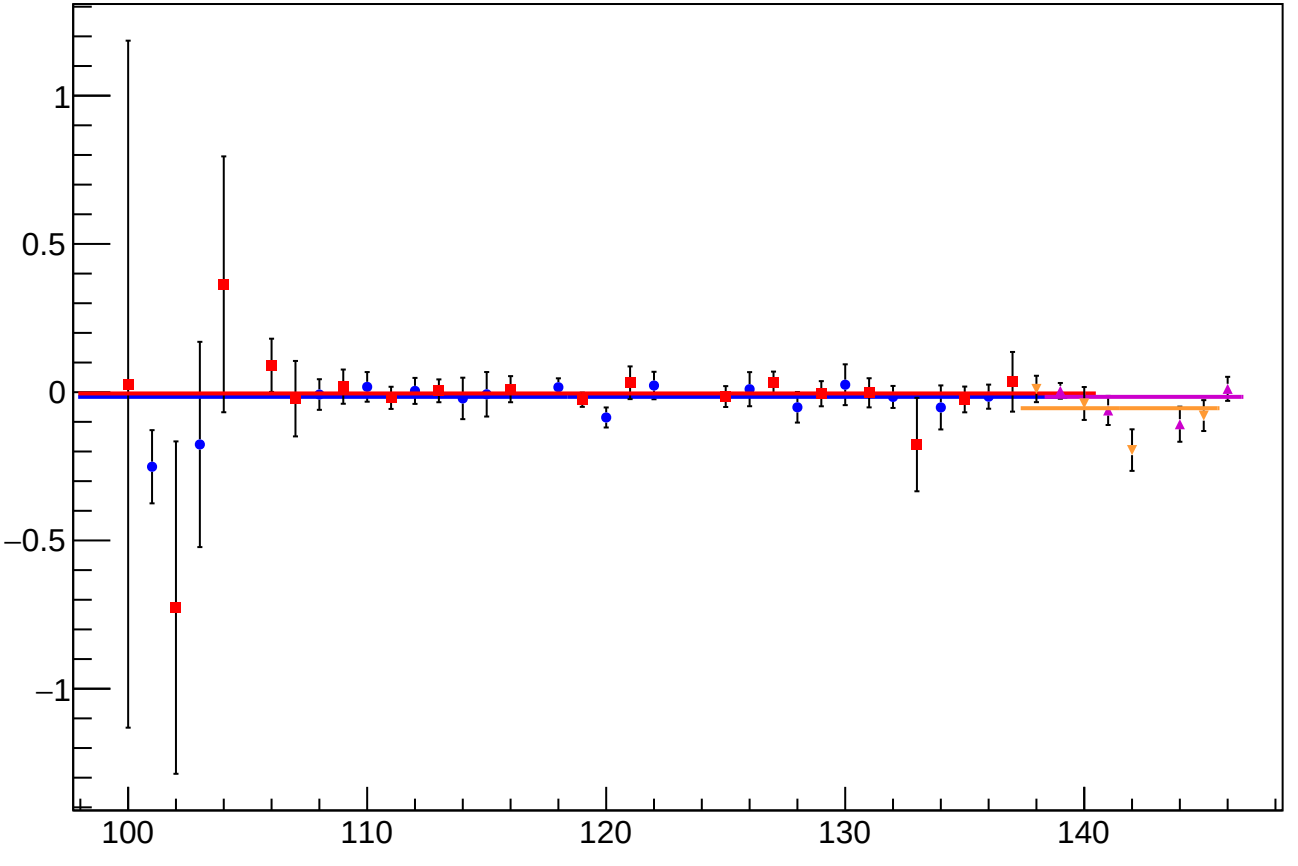
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:2162646.1/19

Out: 0.005+/-0.000 χ^2/NDF:3375691.4/21

All: 0.005+/-0.000 χ^2/NDF: 5648864.1/41

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: -0.054+/-0.027 χ^2/NDF:6.5/3

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.016+/-0.019 χ^2/NDF:4.3/3

Left: -0.029+/-0.016 χ^2/NDF: 12.2/7

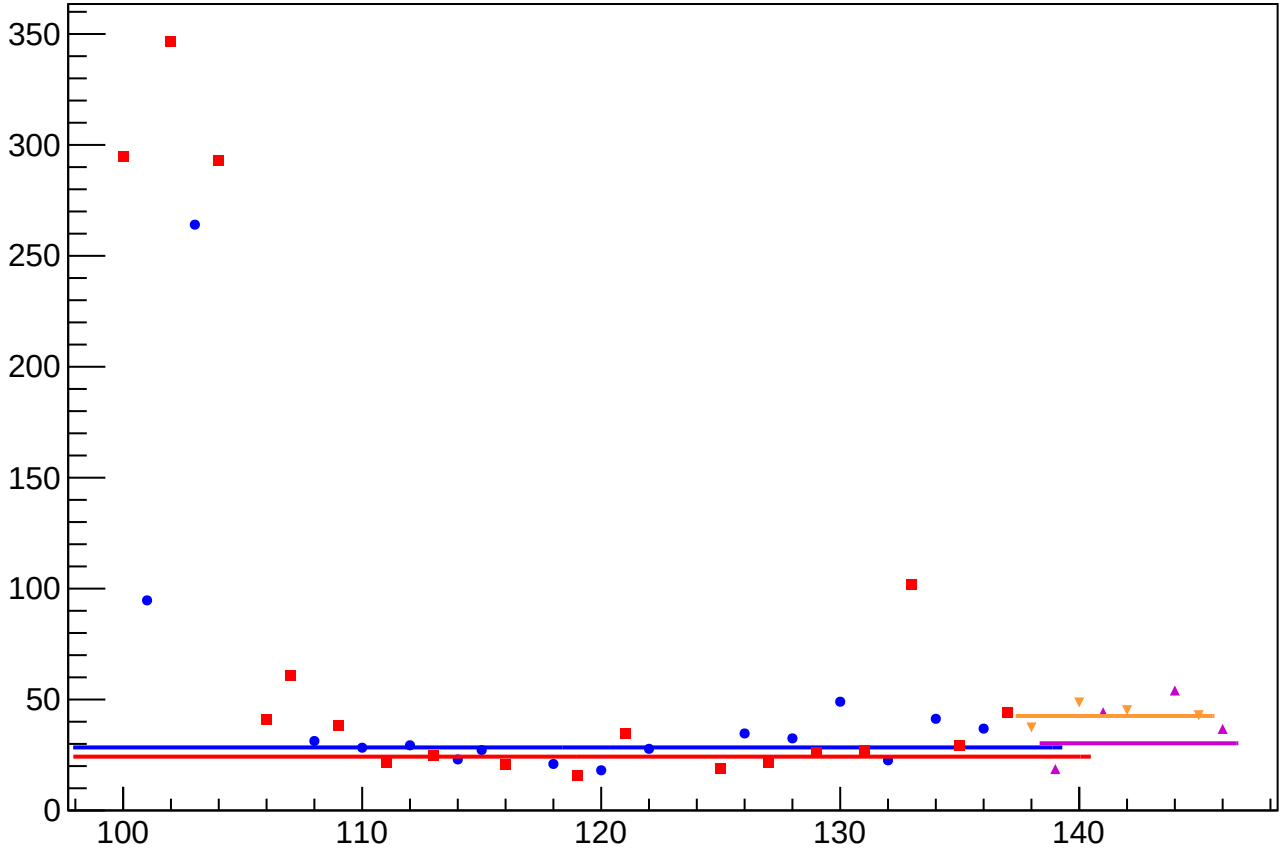
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.010 χ^2/NDF:16.2/19

Out: -0.012+/-0.011 χ^2/NDF:17.3/21

All: -0.014+/-0.007 χ^2/NDF: 33.6/41

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: 42.585+/-0.019 χ^2/NDF:54021.2/3

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 30.283+/-0.014 χ^2/NDF:920932.0/3

Left: 34.454+/-0.011 χ^2/NDF: 1255442.6/7

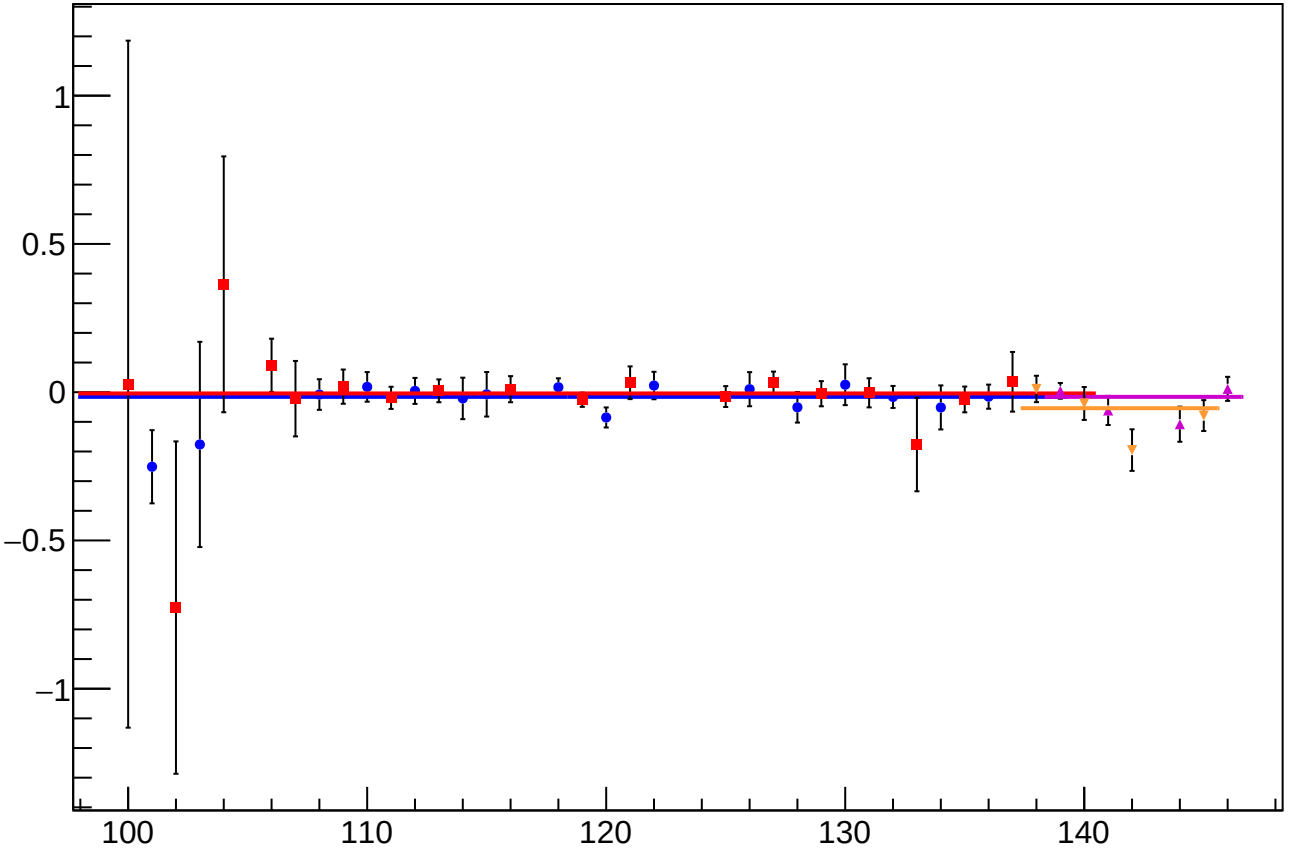
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 28.959+/-0.007 χ^2/NDF:3180146.8/19

Out: 27.095+/-0.007 χ^2/NDF:3763940.0/21

All: 28.042+/-0.005 χ^2/NDF: 6976028.6/41

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: -0.054+/-0.027 χ^2/NDF:6.5/3

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.016+/-0.019 χ^2/NDF:4.3/3

Left: -0.029+/-0.016 χ^2/NDF: 12.2/7

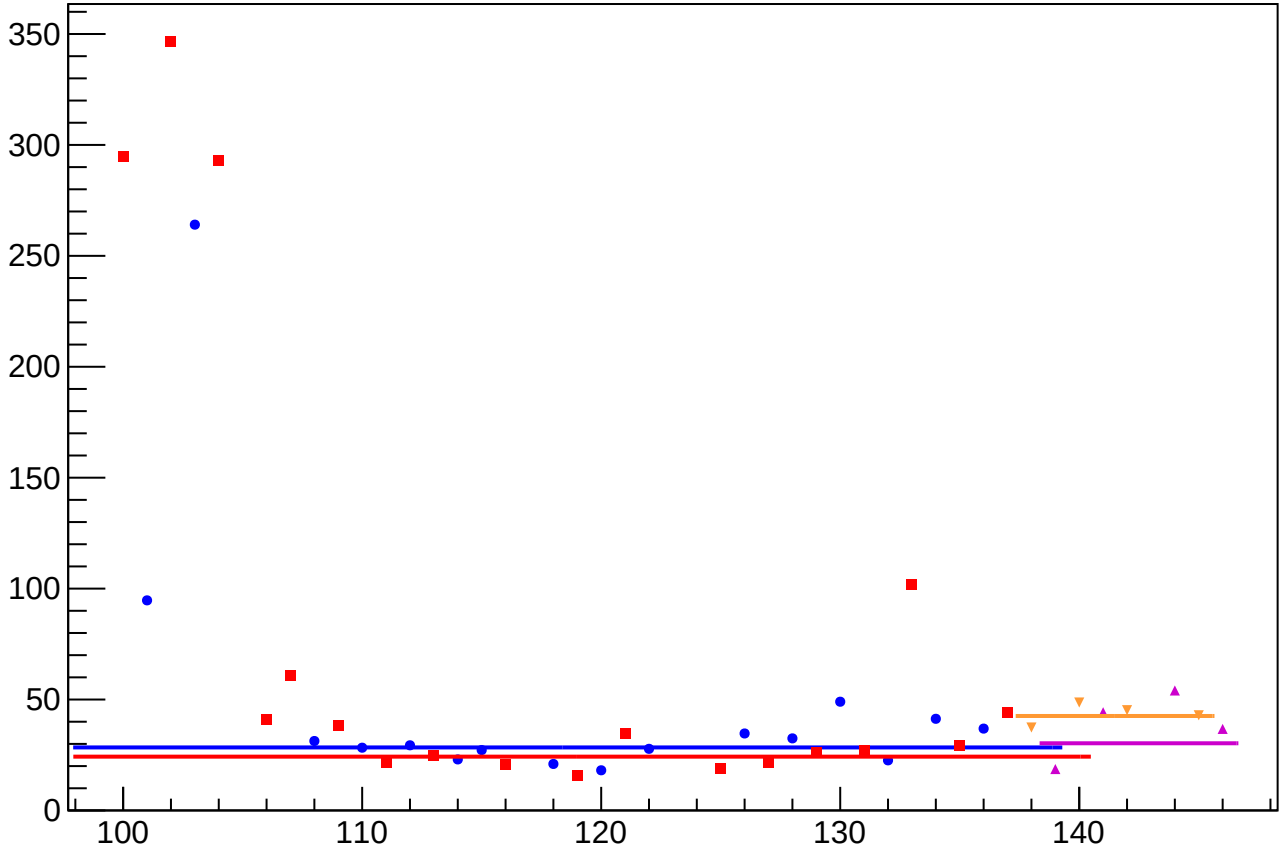
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.010 χ^2/NDF:16.2/19

Out: -0.012+/-0.011 χ^2/NDF:17.3/21

All: -0.014+/-0.007 χ^2/NDF: 33.6/41

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: 42.585+/-0.019 χ^2/NDF:54021.2/3

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 30.283+/-0.014 χ^2/NDF:920932.0/3

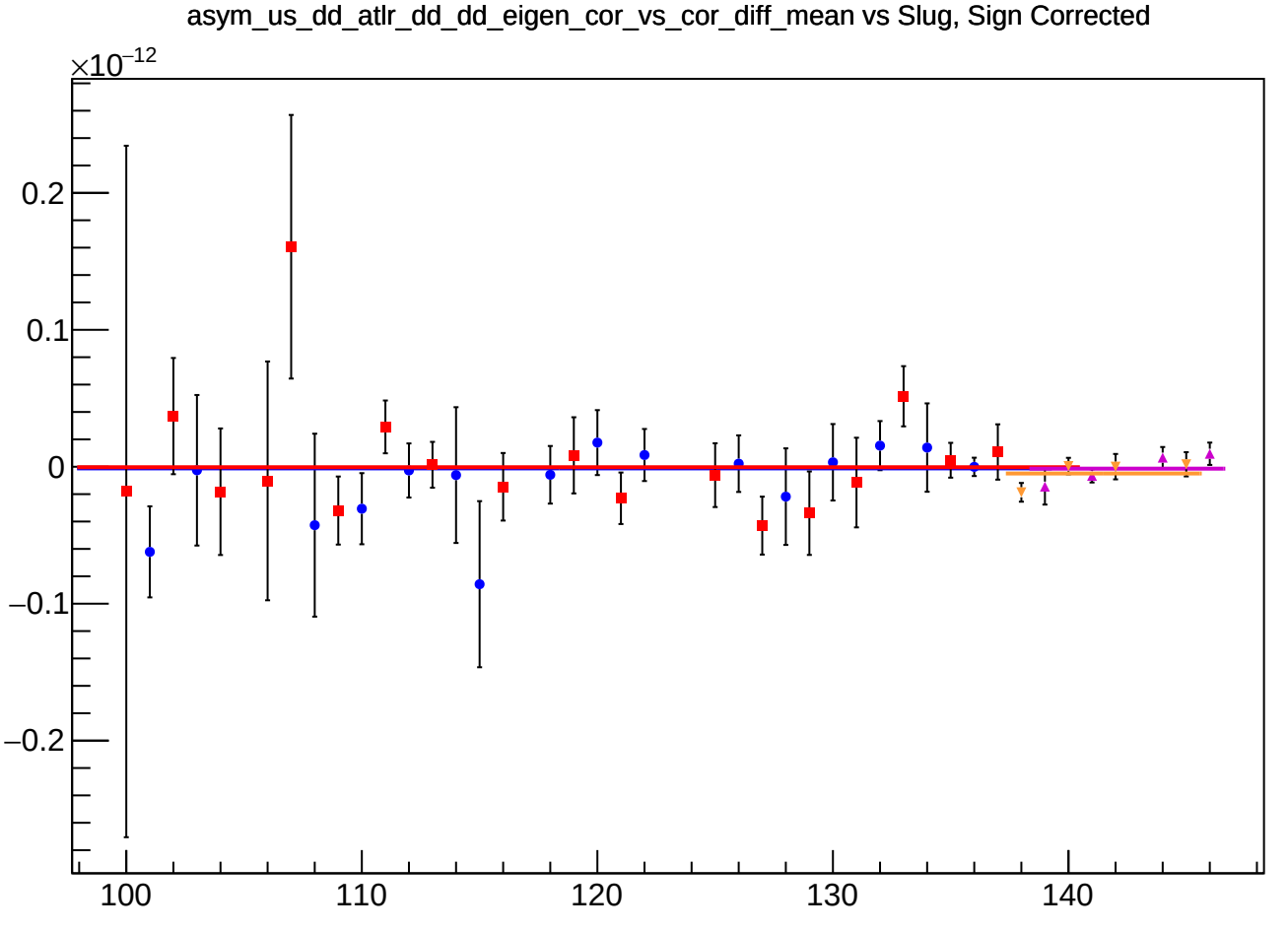
Left: 34.454+/-0.011 χ^2/NDF: 1255442.6/7

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 28.959+/-0.007 χ^2/NDF:3180146.8/19

Out: 27.095+/-0.007 χ^2/NDF:3763940.0/21

All: 28.042+/-0.005 χ^2/NDF: 6976028.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/3

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.0/3

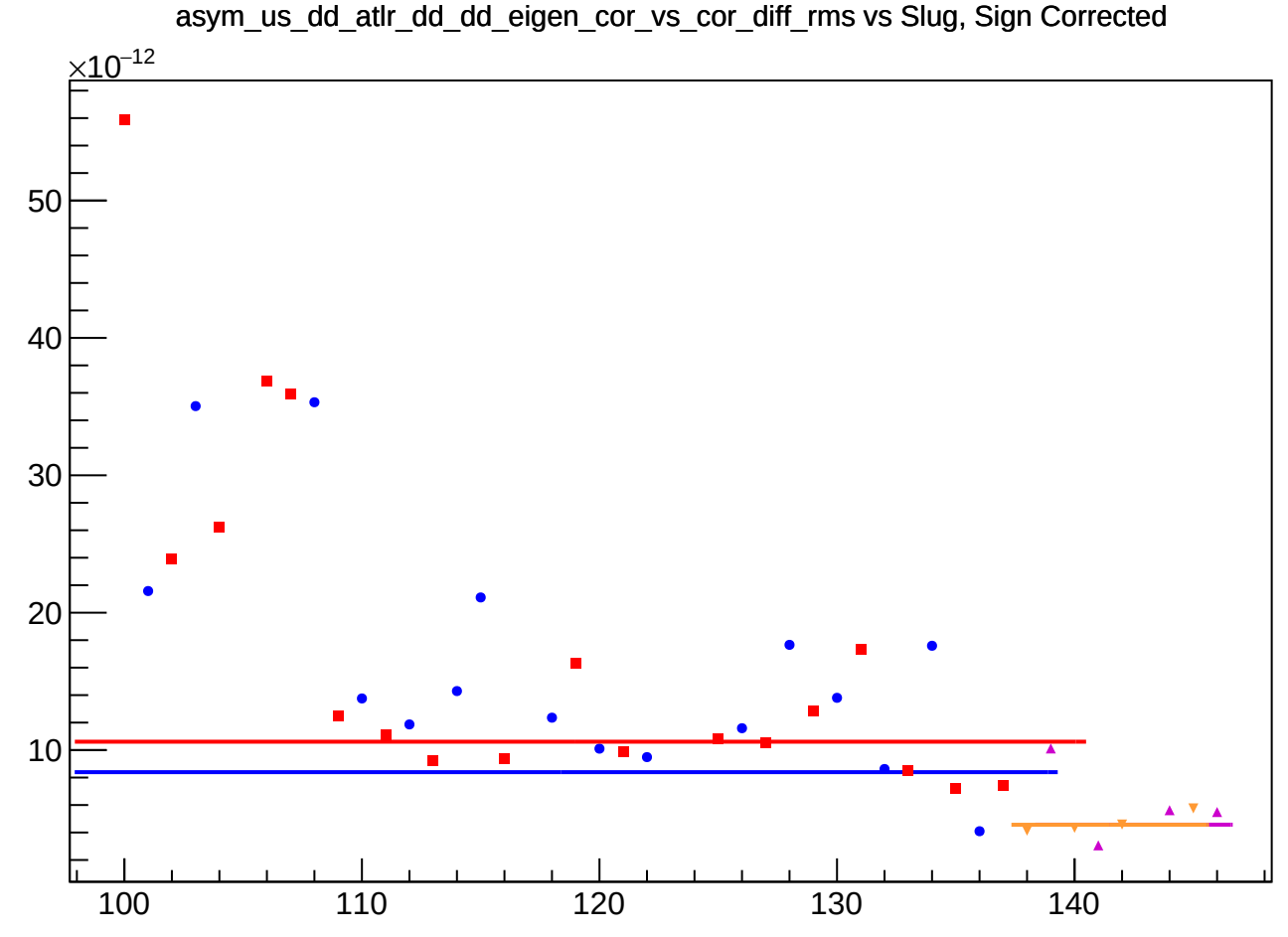
Left: -0.000+/-0.000 χ^2/NDF: 11.2/7

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:14.5/19

Out: -0.000+/-0.000 χ^2/NDF:27.2/21

All: -0.000+/-0.000 χ^2/NDF: 42.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:46885.8/3

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:610853.4/3

Left: 0.000+/-0.000 χ^2/NDF: 657742.8/7

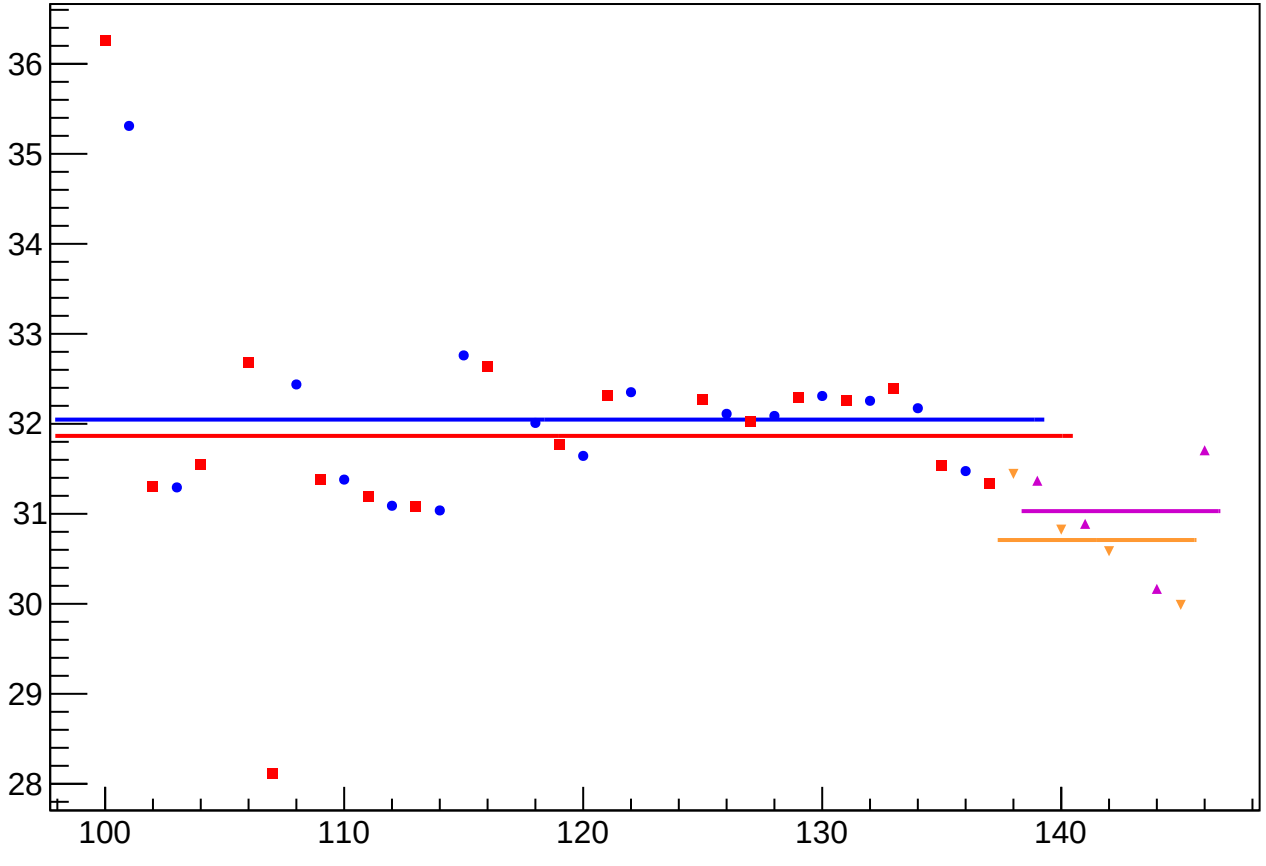
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:4146808.1/19

Out: 0.000+/-0.000 χ^2/NDF:2899669.7/21

All: 0.000+/-0.000 χ^2/NDF: 7070706.1/41

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 30.709+/-0.000 χ^2/NDF:80045277.0/3

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.030+/-0.000 χ^2/NDF:147256950.5/3

Left: 30.895+/-0.000 χ^2/NDF: 244989982.6/7

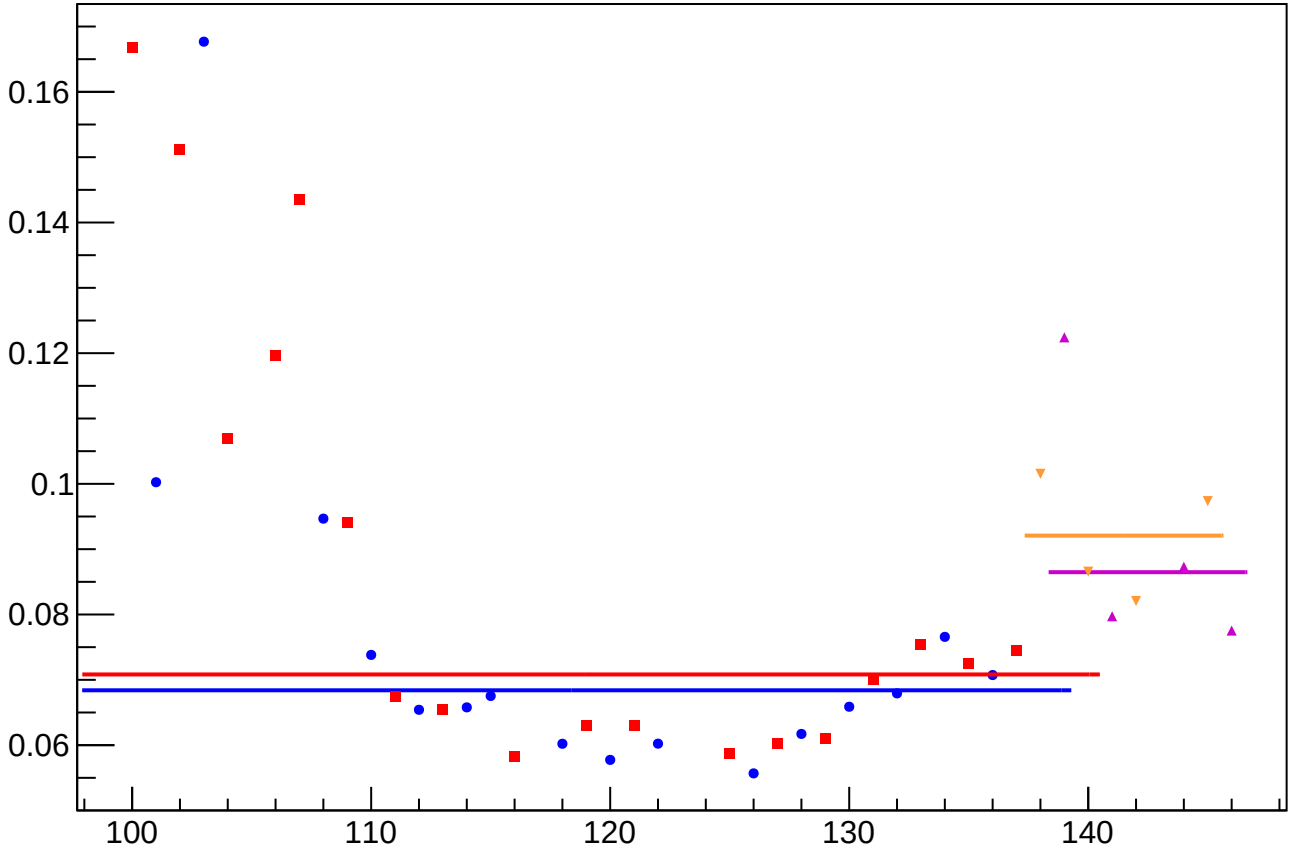
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.810+/-0.000 χ^2/NDF:1368927117.3/19

Out: 31.643+/-0.000 χ^2/NDF:886297706.1/21

All: 31.731+/-0.000 χ^2/NDF: 2277940833.5/4

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.092+/-0.000 χ^2/NDF:33636.6/3

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.086+/-0.000 χ^2/NDF:167710.7/3

Left: 0.089+/-0.000 χ^2/NDF: 212108.4/7

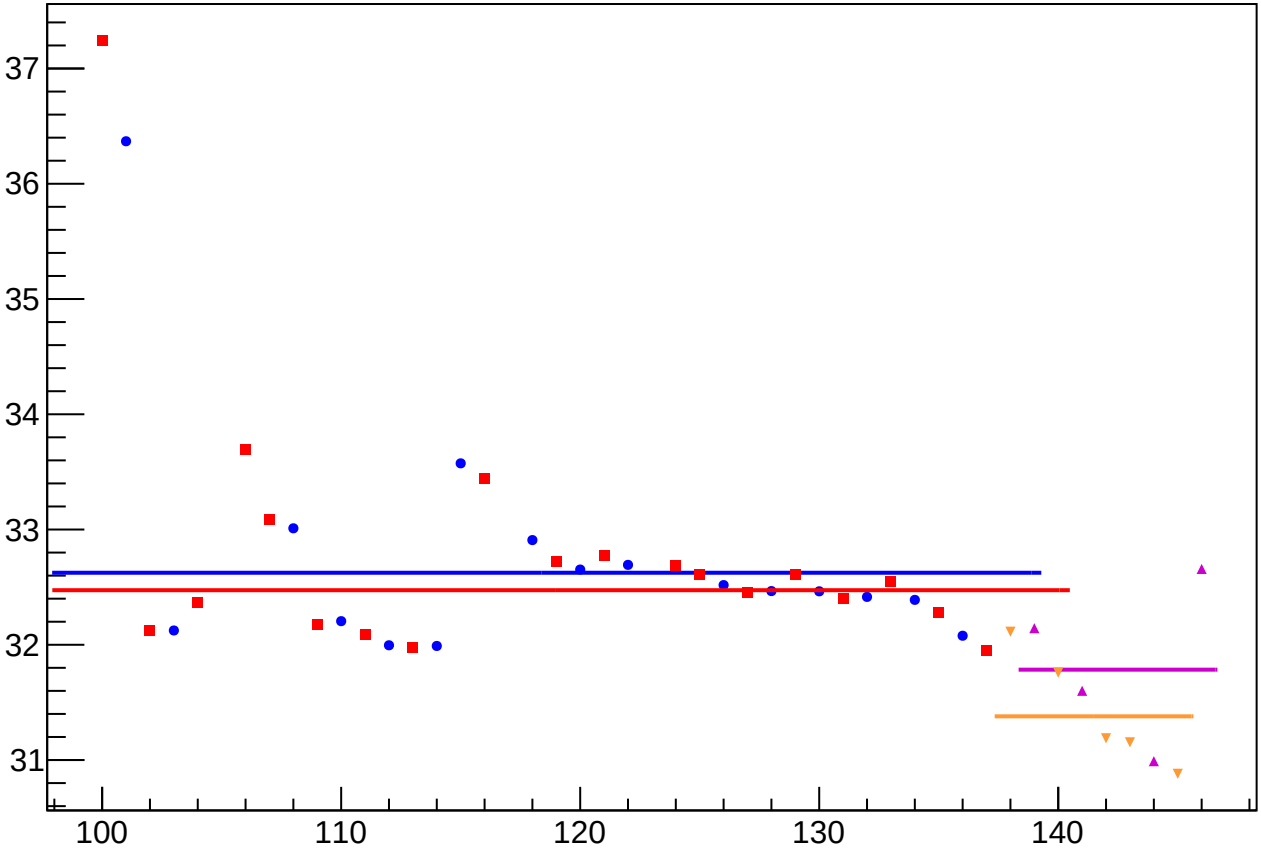
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.073+/-0.000 χ^2/NDF:1075089.1/19

Out: 0.075+/-0.000 χ^2/NDF:1118027.2/21

All: 0.074+/-0.000 χ^2/NDF: 2201780.2/41

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 31.379+/-0.000 χ^2/NDF:89518307.9/4

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 31.784+/-0.000 χ^2/NDF:202576823.7/3

Left: 31.579+/-0.000 χ^2/NDF: 330999277.5/8

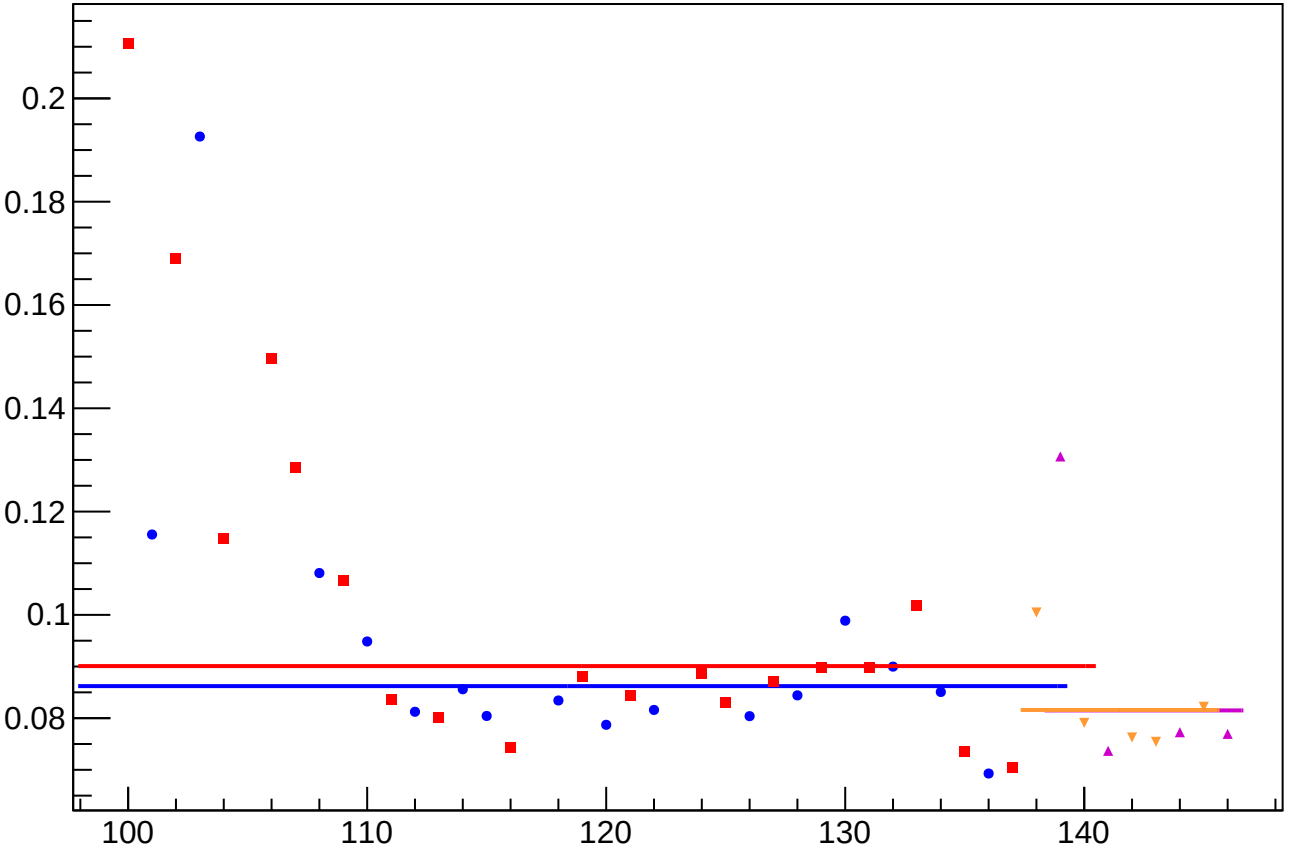
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.325+/-0.000 χ^2/NDF:1155030570.7/19

Out: 32.061+/-0.000 χ^2/NDF:604817305.1/23

All: 32.195+/-0.000 χ^2/NDF: 1804843016.3/4

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.082+/-0.000 χ^2/NDF:65200.6/4

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.082+/-0.000 χ^2/NDF:259819.8/3

Left: 0.082+/-0.000 χ^2/NDF: 325023.8/8

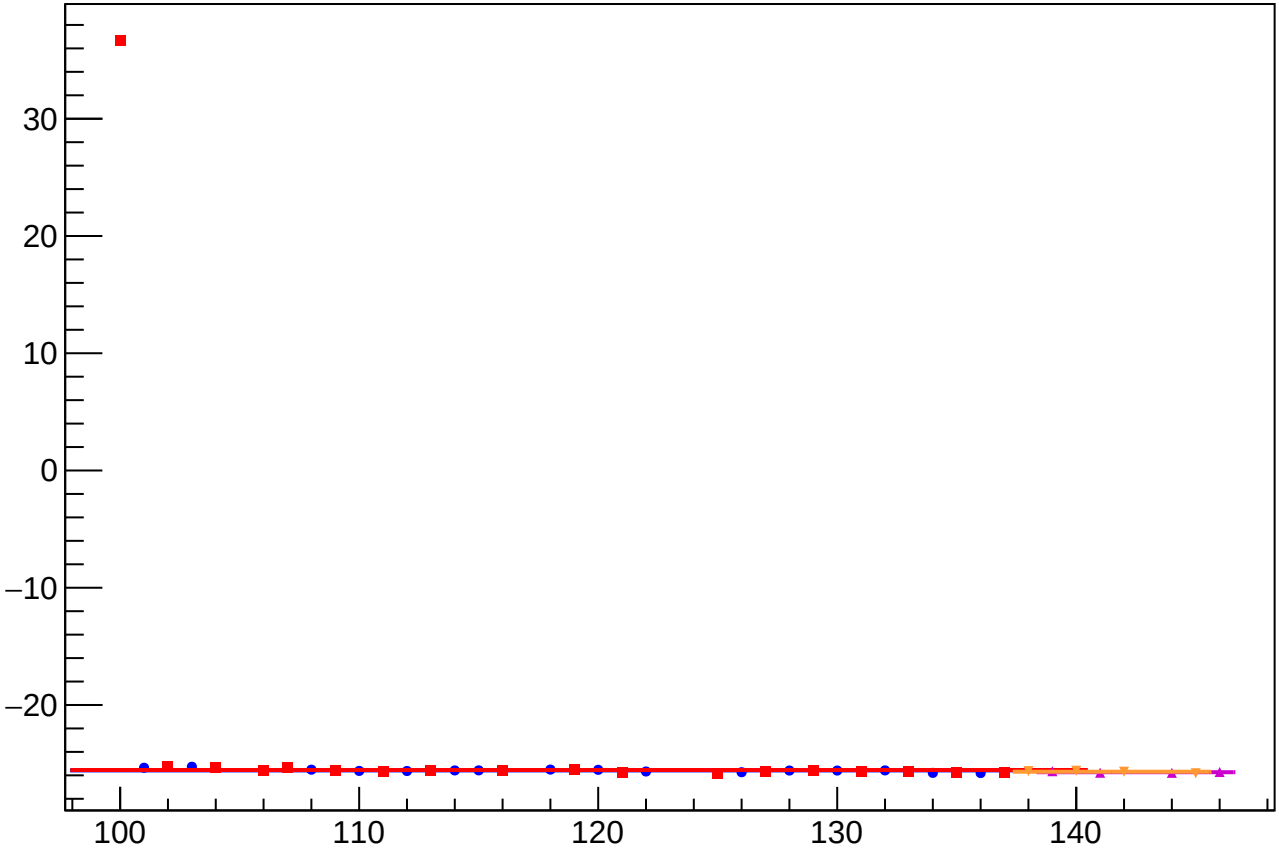
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.085+/-0.000 χ^2/NDF:871877.5/19

Out: 0.087+/-0.000 χ^2/NDF:730264.6/23

All: 0.086+/-0.000 χ^2/NDF: 1609313.0/43

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.691+/-0.000 χ^2/NDF:11135260.7/3

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.732+/-0.000 χ^2/NDF:5330596.4/3

Left: -25.714+/-0.000 χ^2/NDF: 17866621.8/7

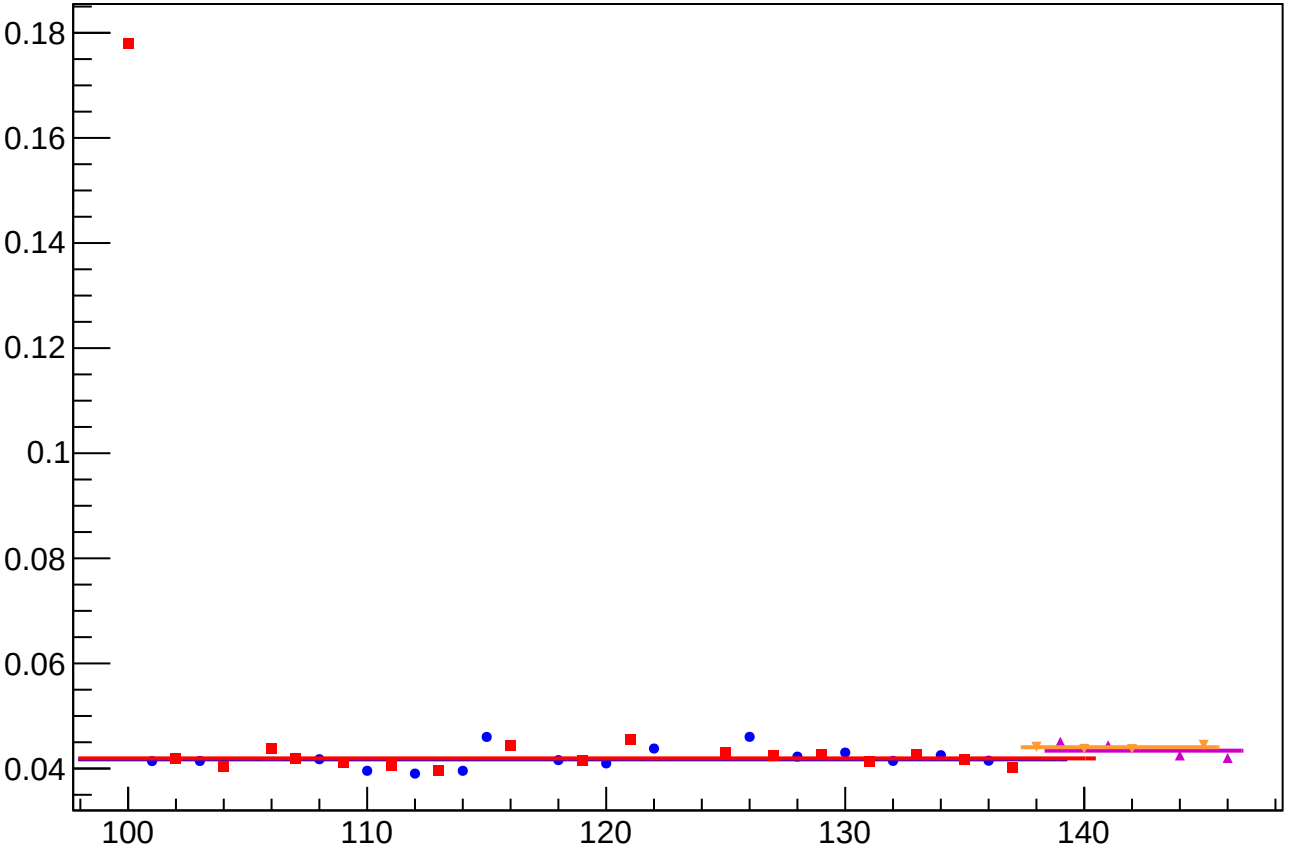
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.627+/-0.000 χ^2/NDF:133778906.2/19

Out: -25.582+/-0.000 χ^2/NDF:8942125080.6/21

All: -25.605+/-0.000 χ^2/NDF: 9081536662.6/

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:320.5/3

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.043+/-0.000 χ^2/NDF:6034.9/3

Left: 0.044+/-0.000 χ^2/NDF: 7046.2/7

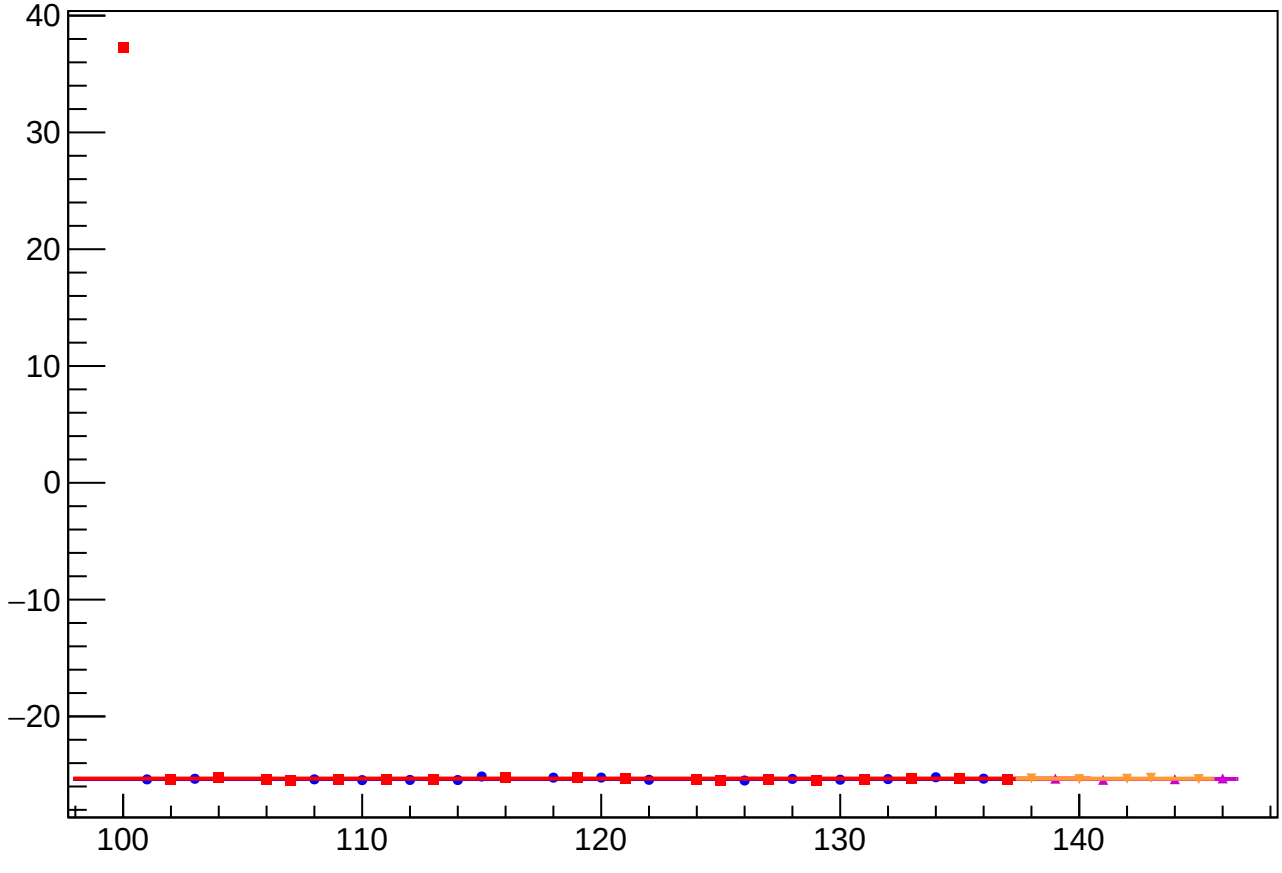
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:33736.4/19

Out: 0.042+/-0.000 χ^2/NDF:110196.2/21

All: 0.042+/-0.000 χ^2/NDF: 144222.0/41

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.331+/-0.000 χ^2/NDF:2074074.9/4

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.355+/-0.000 χ^2/NDF:2201347.4/3

Left: -25.343+/-0.000 χ^2/NDF: 4591979.2/8

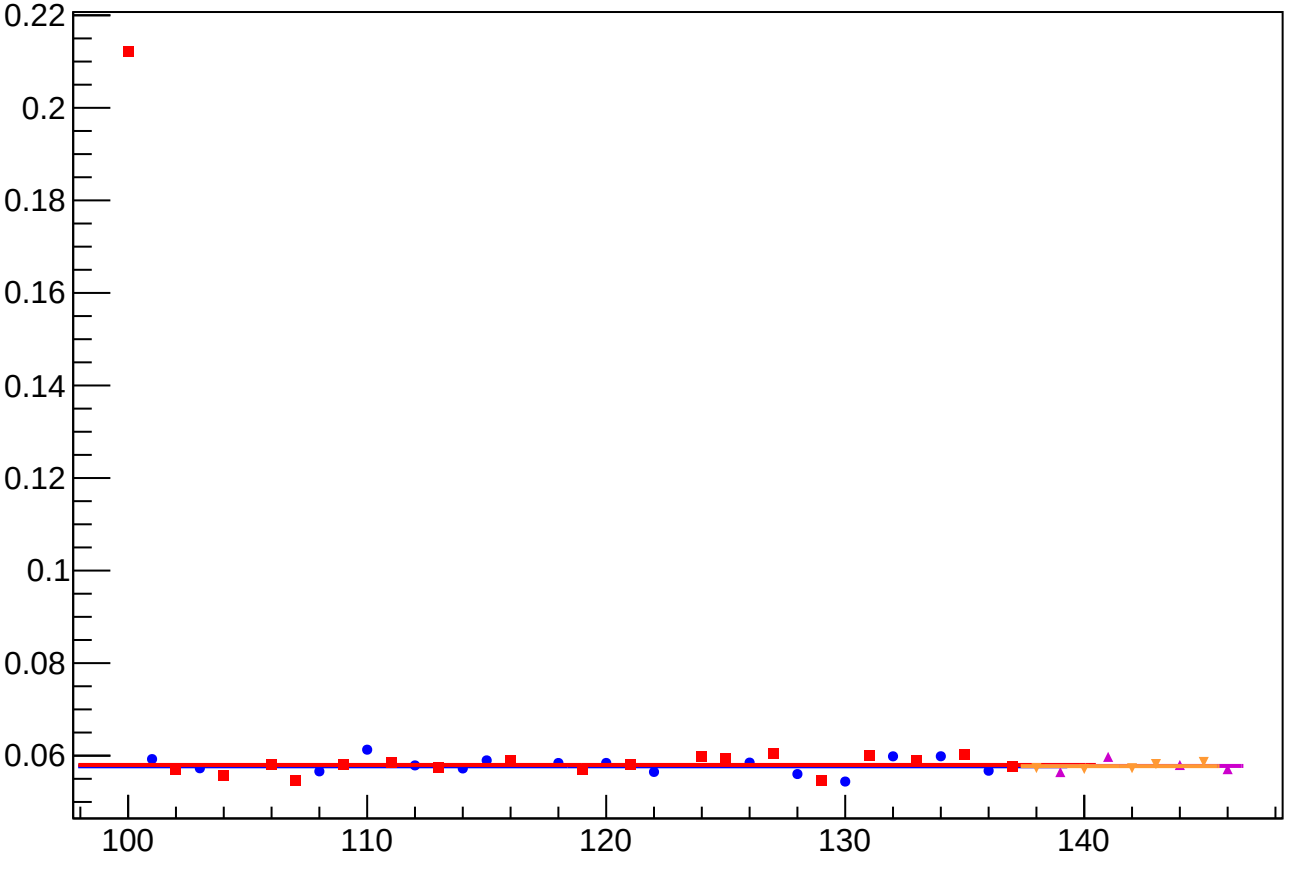
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.359+/-0.000 χ^2/NDF:15502799.9/19

Out: -25.325+/-0.000 χ^2/NDF:6317033476.2/23

All: -25.341+/-0.000 χ^2/NDF: 6334334764.5/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.058+/-0.000 χ^2/NDF:787.3/4

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:3013.3/3

Left: 0.058+/-0.000 χ^2/NDF: 3802.5/8

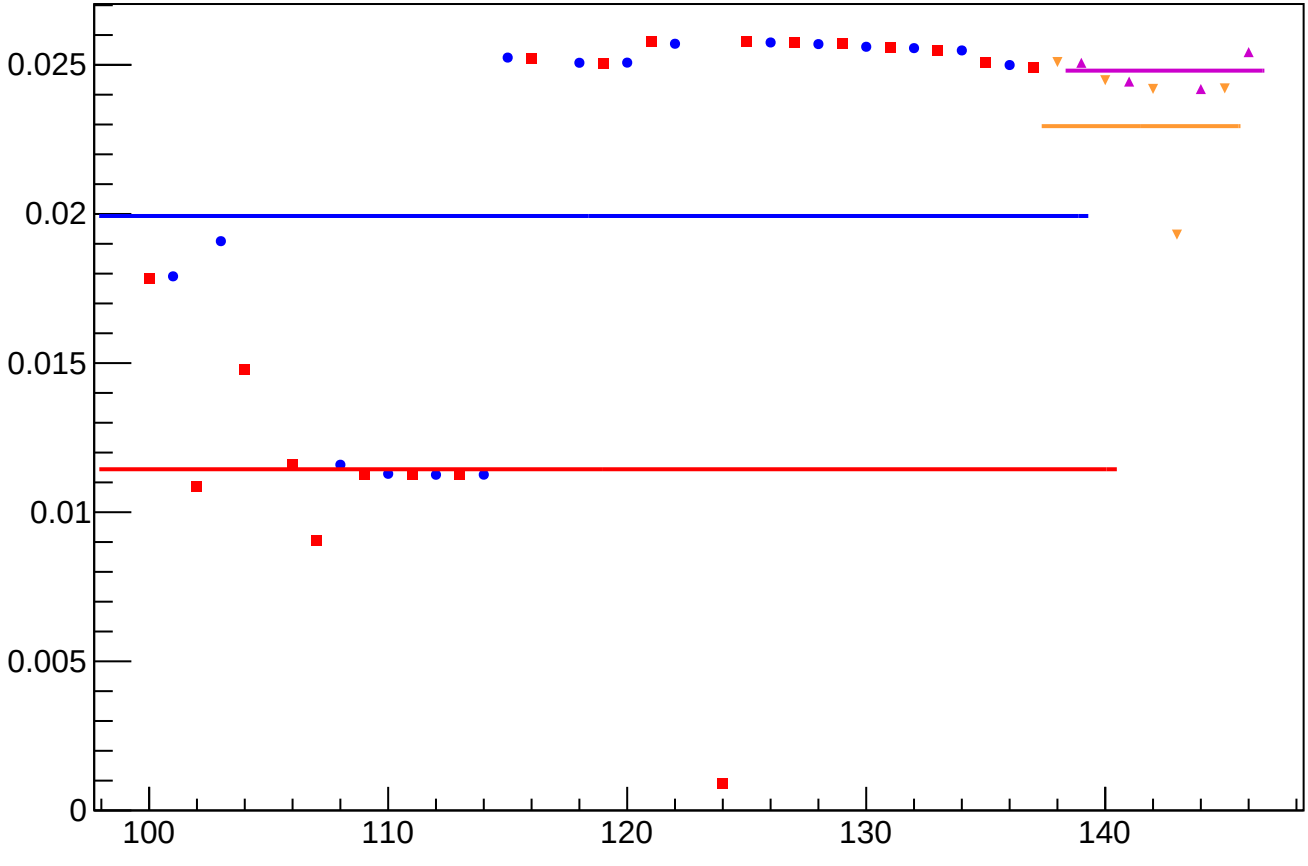
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.058+/-0.000 χ^2/NDF:14785.7/19

Out: 0.058+/-0.000 χ^2/NDF:89565.9/23

All: 0.058+/-0.000 χ^2/NDF: 104459.0/43

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.023+/-0.000 χ^2/NDF:3474000647.9/4

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:140365775.5/3

Left: 0.024+/-0.000 χ^2/NDF: 4595565039.0/8

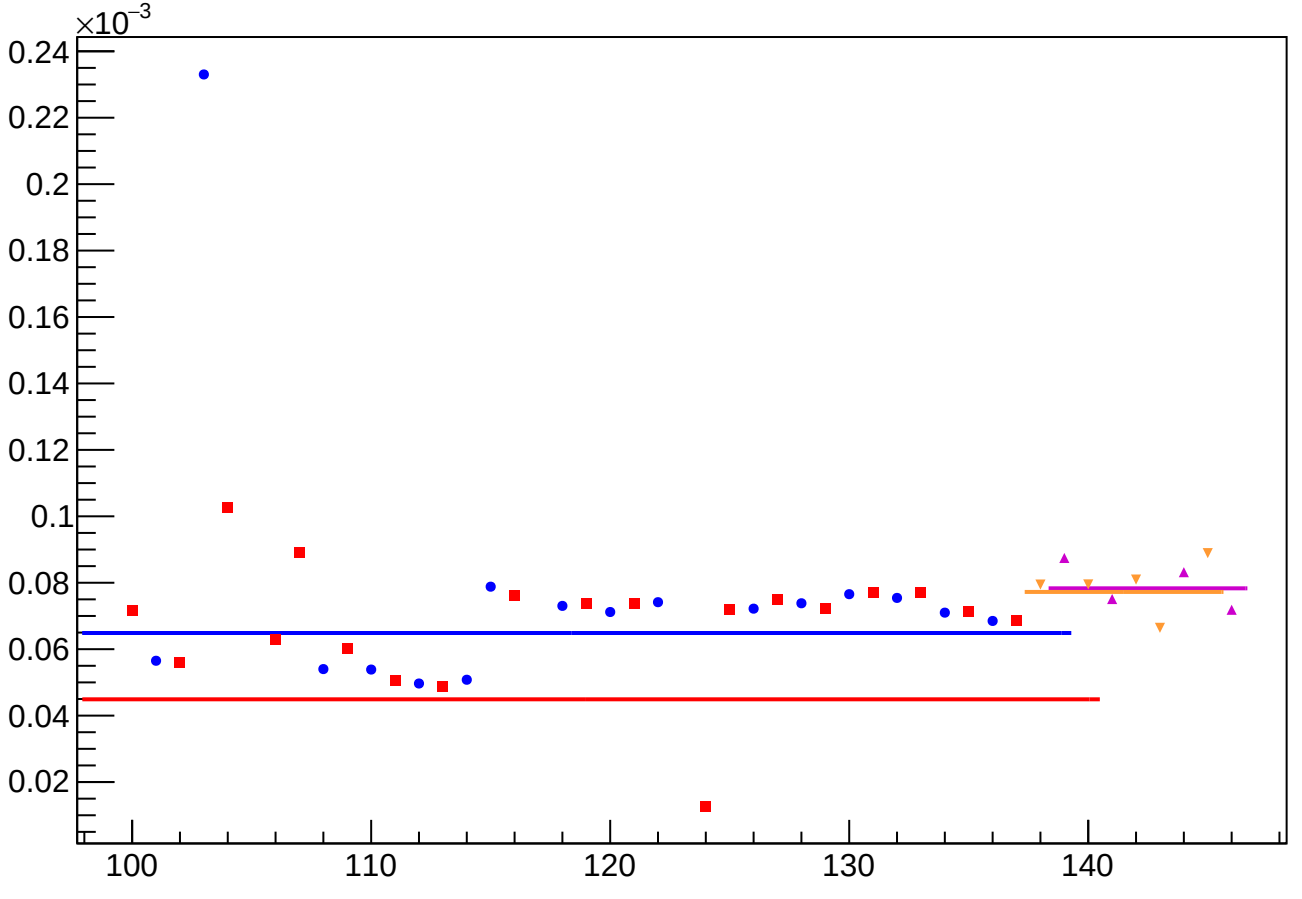
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.021+/-0.000 χ^2/NDF:72260948907.9/19

Out: 0.014+/-0.000 χ^2/NDF:320125993753.9/23

All: 0.017+/-0.000 χ^2/NDF: 464916113481.7

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:72968.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:40702.5/3

Left: 0.000+/-0.000 χ^2/NDF: 114340.2/8

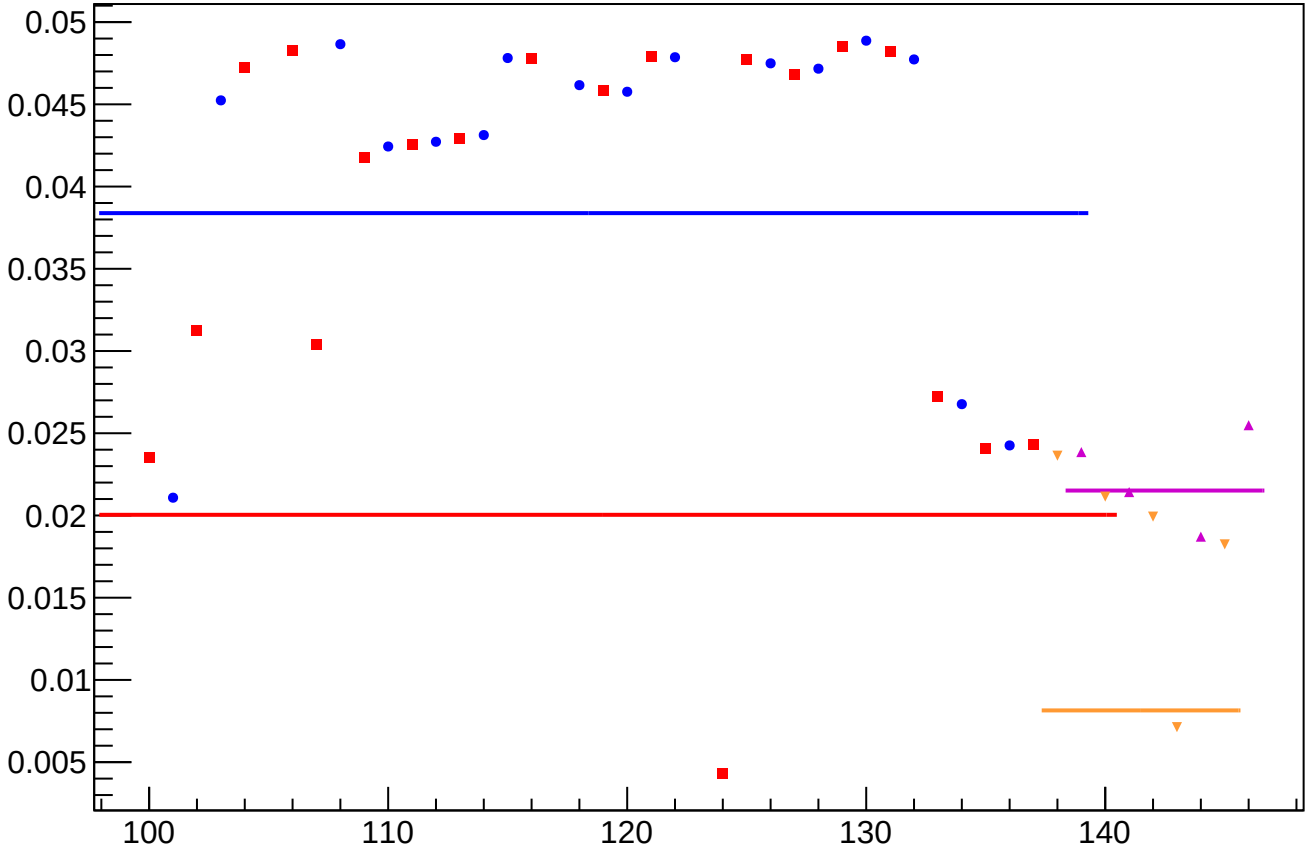
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1004622.9/19

Out: 0.000+/-0.000 χ^2/NDF:4834715.8/23

All: 0.000+/-0.000 χ^2/NDF: 6599197.4/43

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:5969047359.8/4

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:294247091.5/3

Left: 0.009+/-0.000 χ^2/NDF: 13062157900.4/8

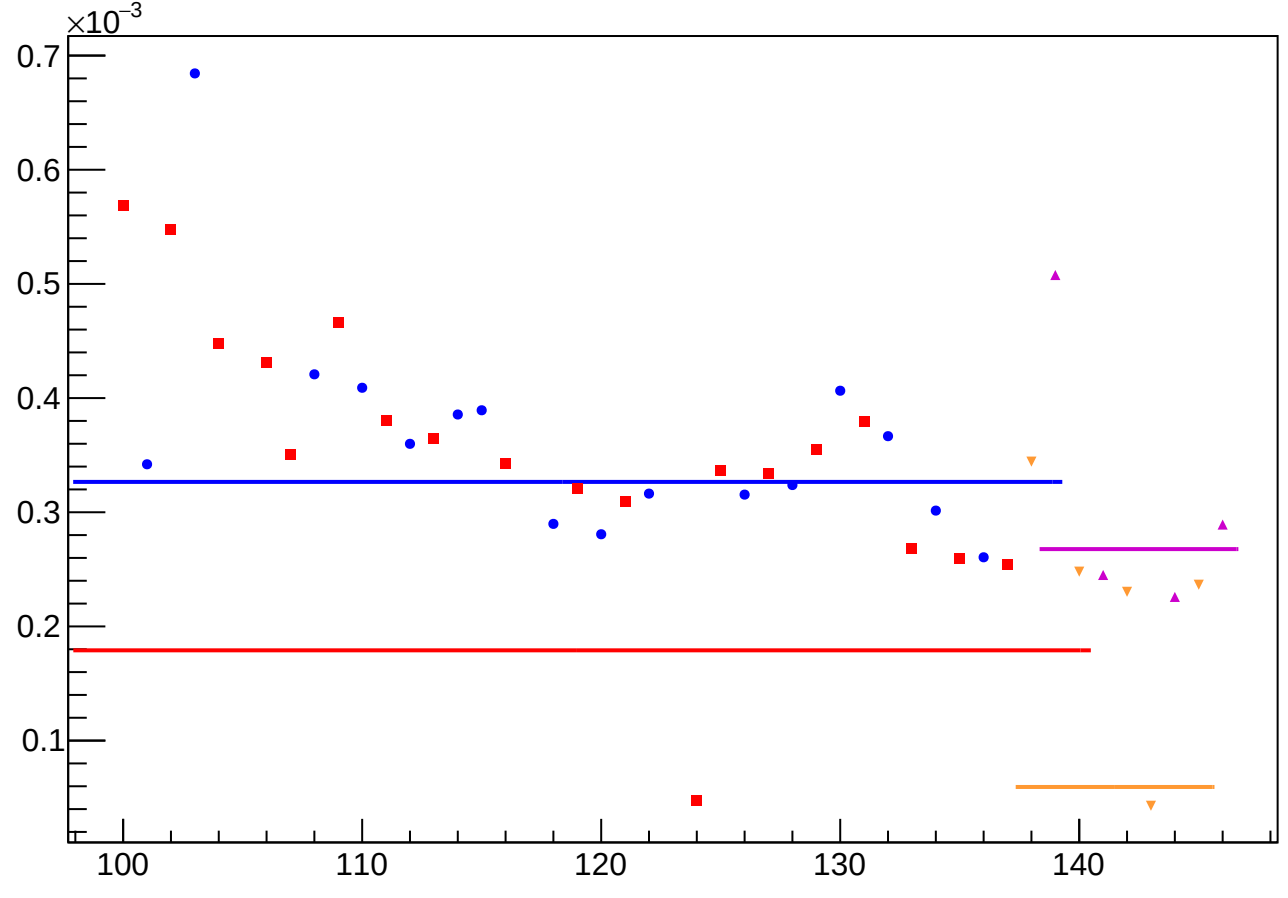
Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.031+/-0.000 χ^2/NDF:14302987309.3/19

Out: 0.011+/-0.000 χ^2/NDF:61872689403.6/23

All: 0.014+/-0.000 χ^2/NDF: 113585709804.9

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3164979.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:435481.2/3

Left: 0.000+/-0.000 χ^2/NDF: 6902743.5/8

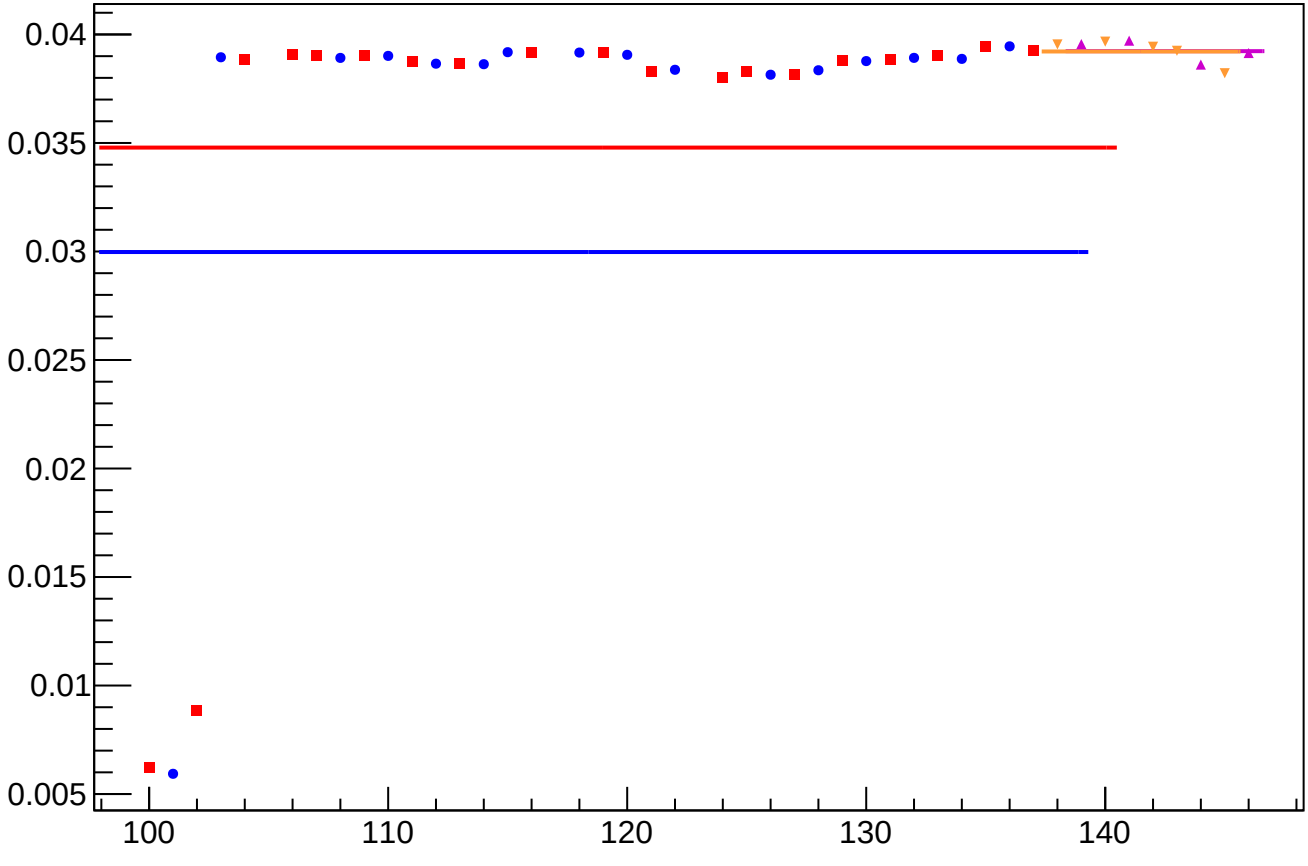
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1185634.0/19

Out: 0.000+/-0.000 χ^2/NDF:11603741.3/23

All: 0.000+/-0.000 χ^2/NDF: 20994578.7/43

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:46871614.8/4

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:29468505.6/3

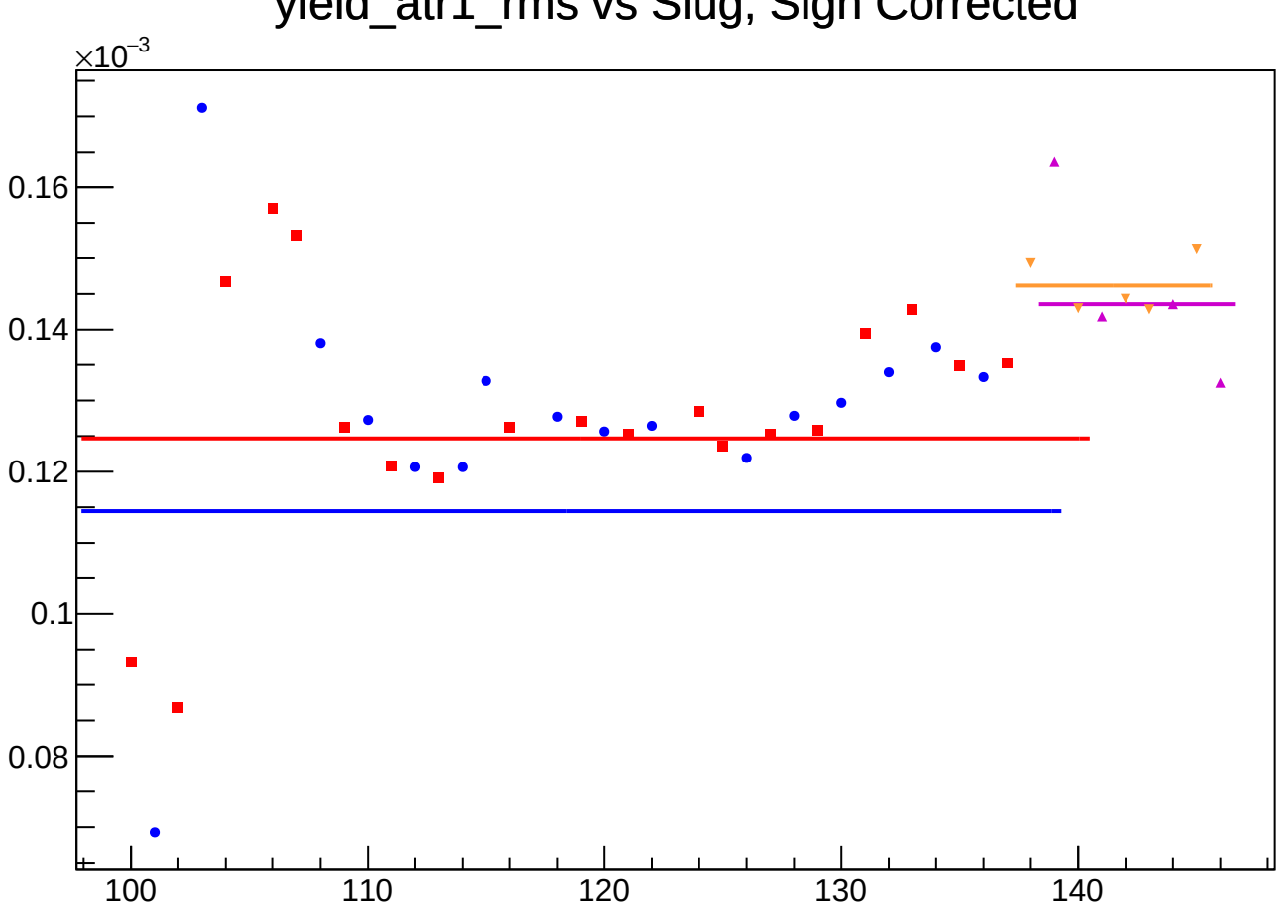
Left: 0.039+/-0.000 χ^2/NDF: 76358703.0/8

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.032+/-0.000 χ^2/NDF:118905438060.2/19

Out: 0.036+/-0.000 χ^2/NDF:49662153028.7/23

All: 0.034+/-0.000 χ^2/NDF: 173051656237.9



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4259.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:36996.5/3

Left: 0.000+/-0.000 χ^2/NDF: 42368.9/8

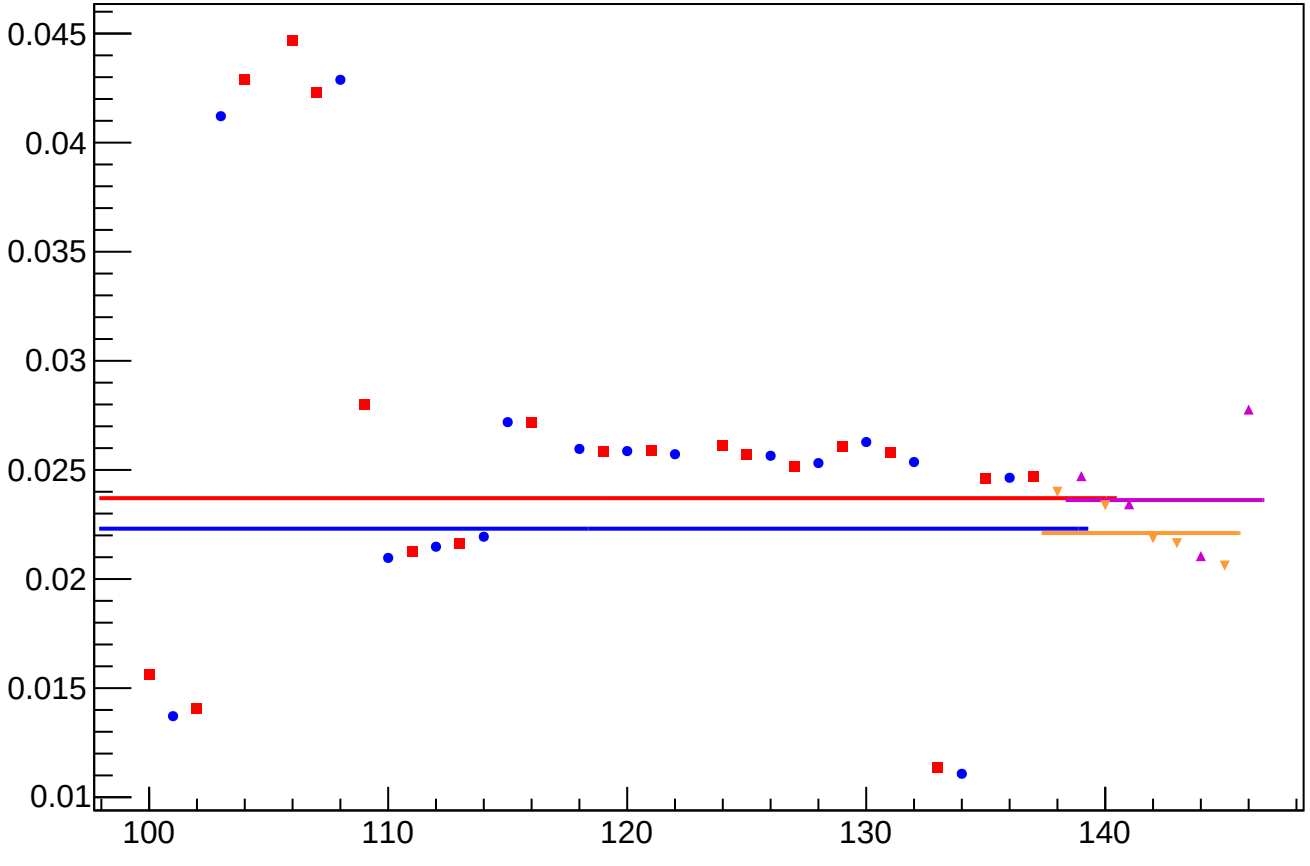
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1099844.0/19

Out: 0.000+/-0.000 χ^2/NDF:375561.9/23

All: 0.000+/-0.000 χ^2/NDF: 1525978.3/43

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.022+/-0.000 χ^2/NDF:78543566.5/4

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.024+/-0.000 χ^2/NDF:292435929.5/3

Left: 0.023+/-0.000 χ^2/NDF: 427443714.1/8

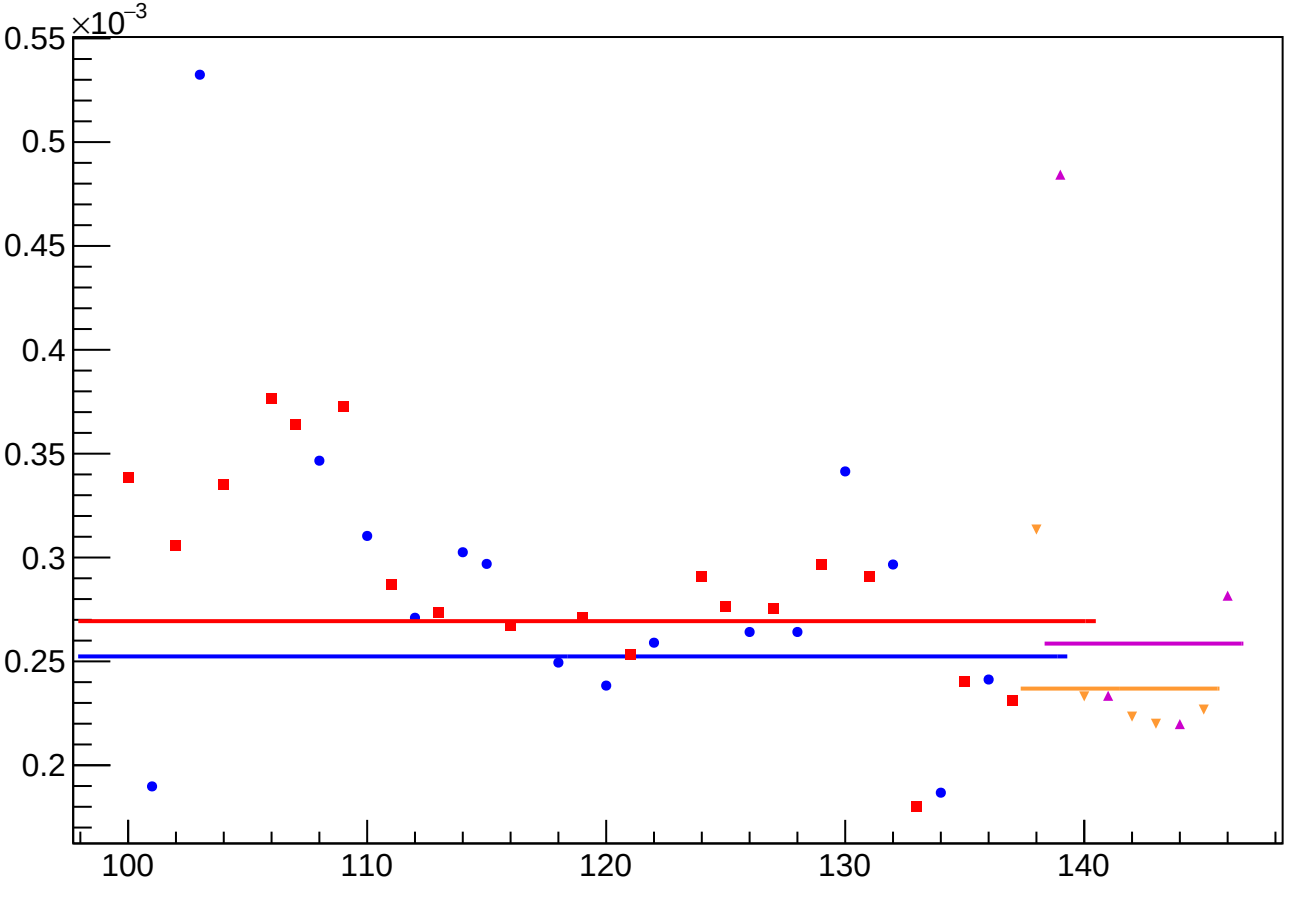
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.023+/-0.000 χ^2/NDF:5357959092.1/19

Out: 0.023+/-0.000 χ^2/NDF:5747147400.3/23

All: 0.023+/-0.000 χ^2/NDF: 11115327297.2/4

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:95218.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:432545.3/3

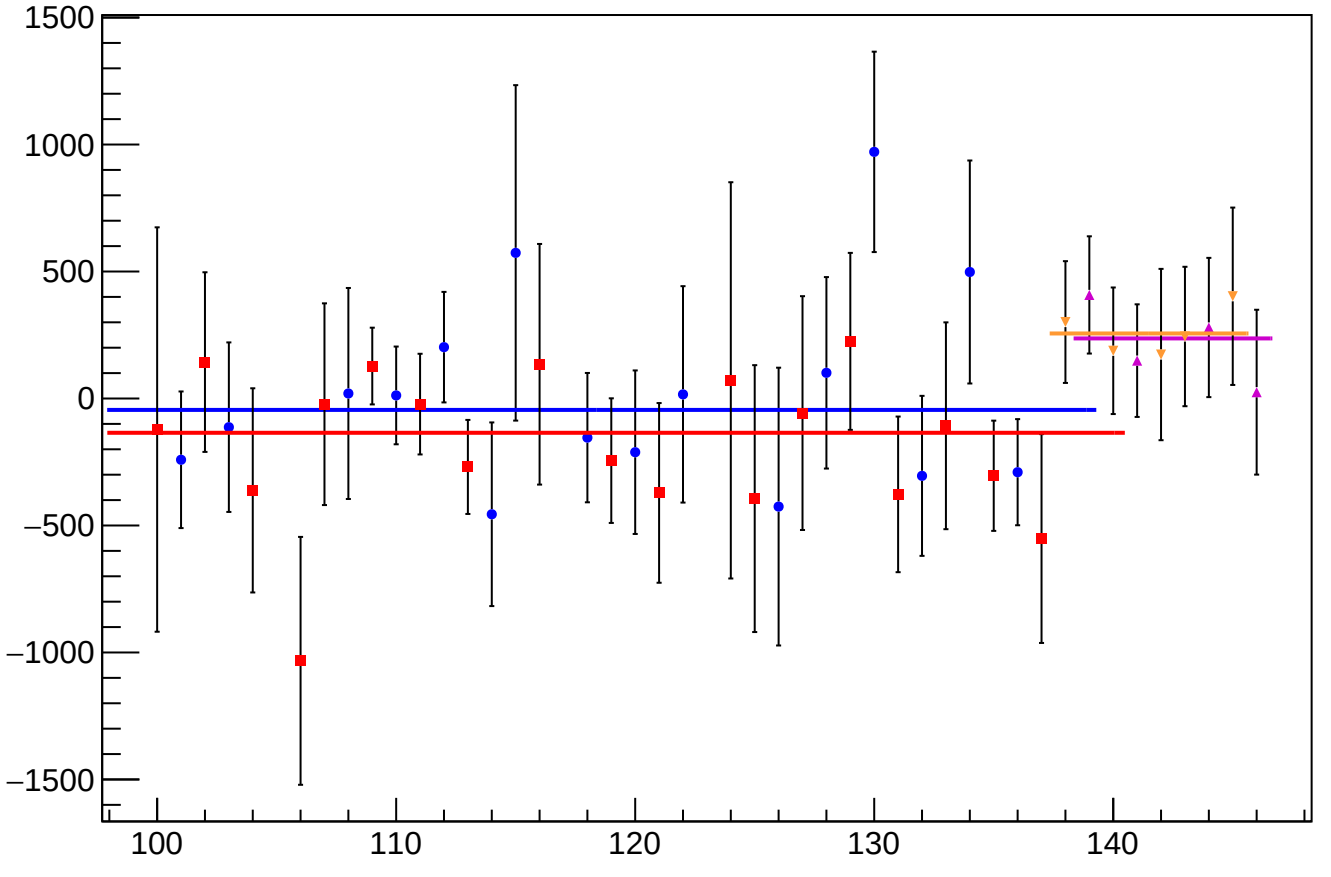
Left: 0.000+/-0.000 χ^2/NDF: 550960.1/8

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1142763.3/19

Out: 0.000+/-0.000 χ^2/NDF:613185.4/23

All: 0.000+/-0.000 χ^2/NDF: 1756981.4/43



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 256.049+/-125.223 χ^2/NDF:0.3/4

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 236.541+/-127.093 χ^2/NDF:1.2/3

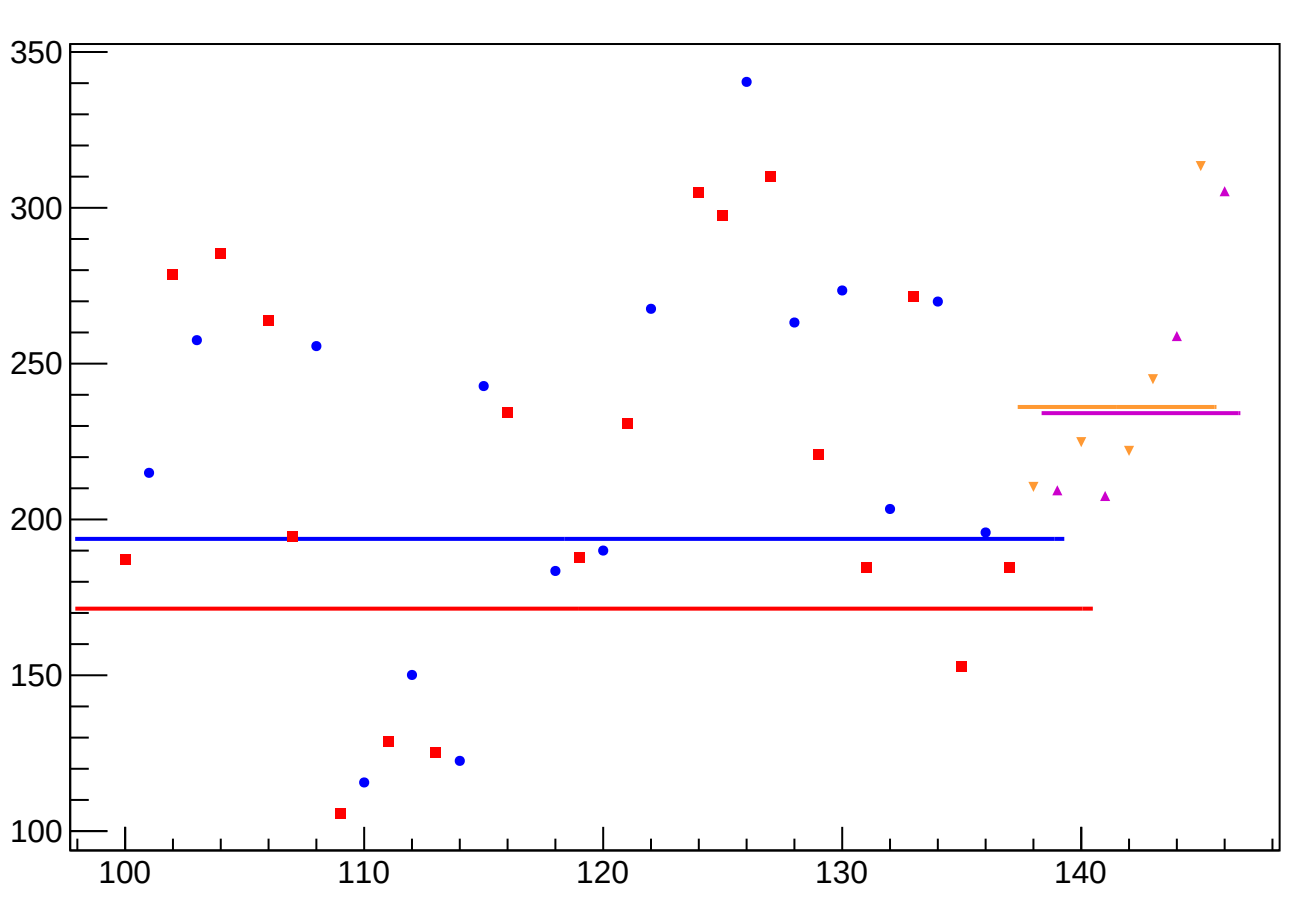
Left: 246.439+/-89.200 χ^2/NDF: 1.5/8

Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 29.504+/-65.352 χ^2/NDF:20.2/19

Out: -45.818+/-59.800 χ^2/NDF:20.8/23

All: -11.492+/-44.117 χ^2/NDF: 41.8/43



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 236.097+/-0.089 χ^2/NDF:130586.9/4

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 234.115+/-0.090 χ^2/NDF:164303.9/3

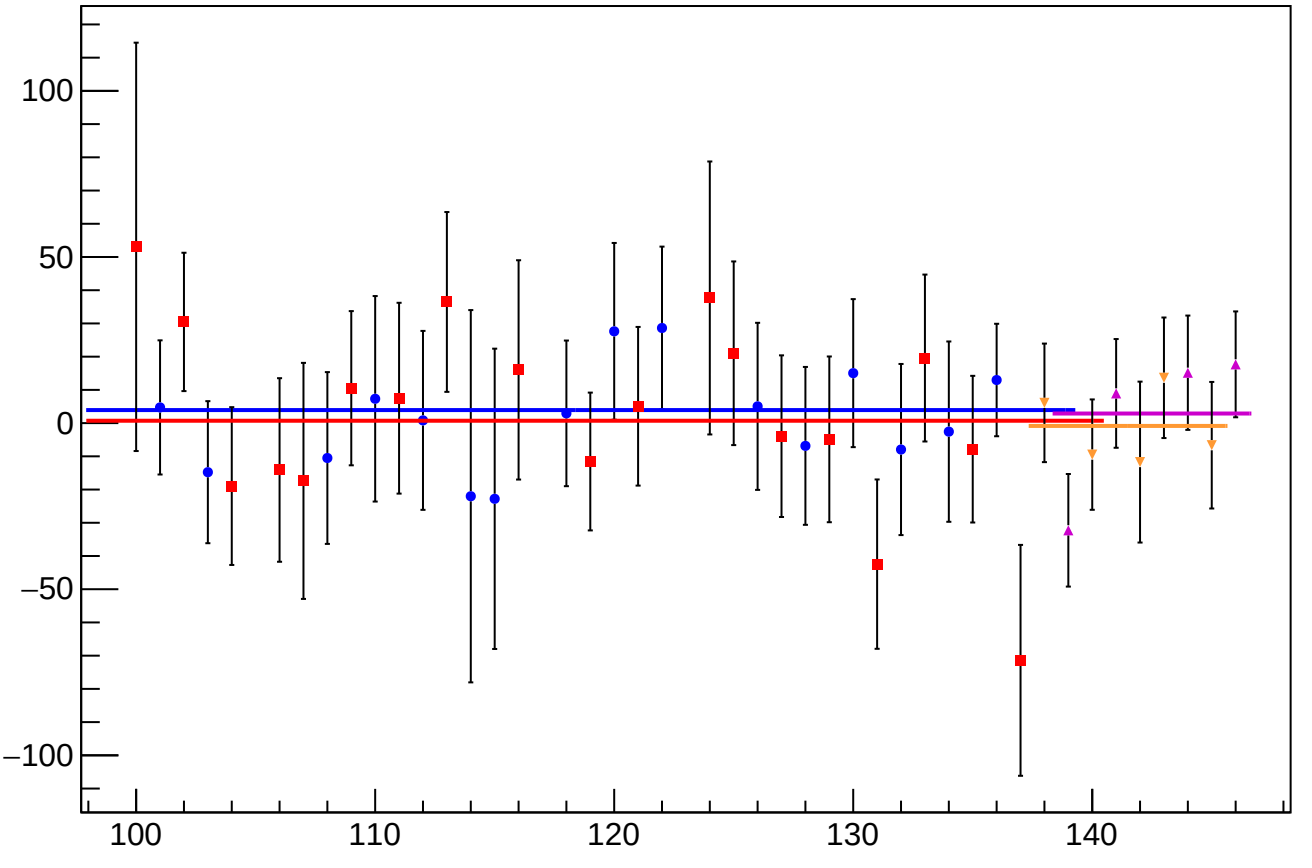
Left: 235.121+/-0.063 χ^2/NDF: 295137.4/8

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 204.436+/-0.046 χ^2/NDF:1360670.1/19

Out: 186.140+/-0.042 χ^2/NDF:2201007.0/23

All: 194.478+/-0.031 χ^2/NDF: 3646996.2/43



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -0.849+/-8.373 χ^2/NDF:1.4/4

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 2.884+/-8.295 χ^2/NDF:5.8/3

Left: 1.035+/-5.893 χ^2/NDF: 7.3/8

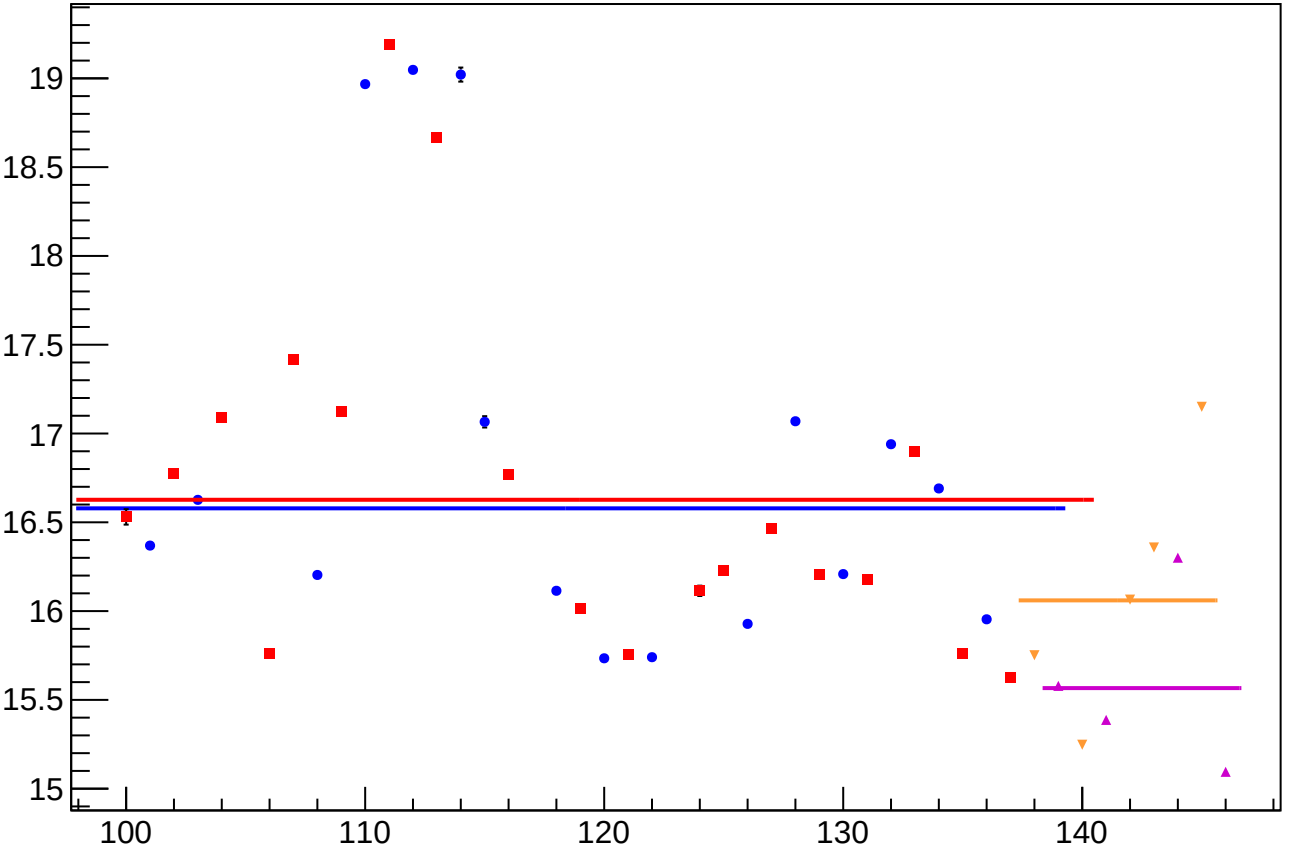
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 3.553+/-4.952 χ^2/NDF:10.3/19

Out: 0.175+/-4.918 χ^2/NDF:17.3/23

All: 1.852+/-3.489 χ^2/NDF: 27.8/43

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: 16.060+/-0.006 χ^2/NDF:12477.9/4

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.566+/-0.006 χ^2/NDF:5634.4/3

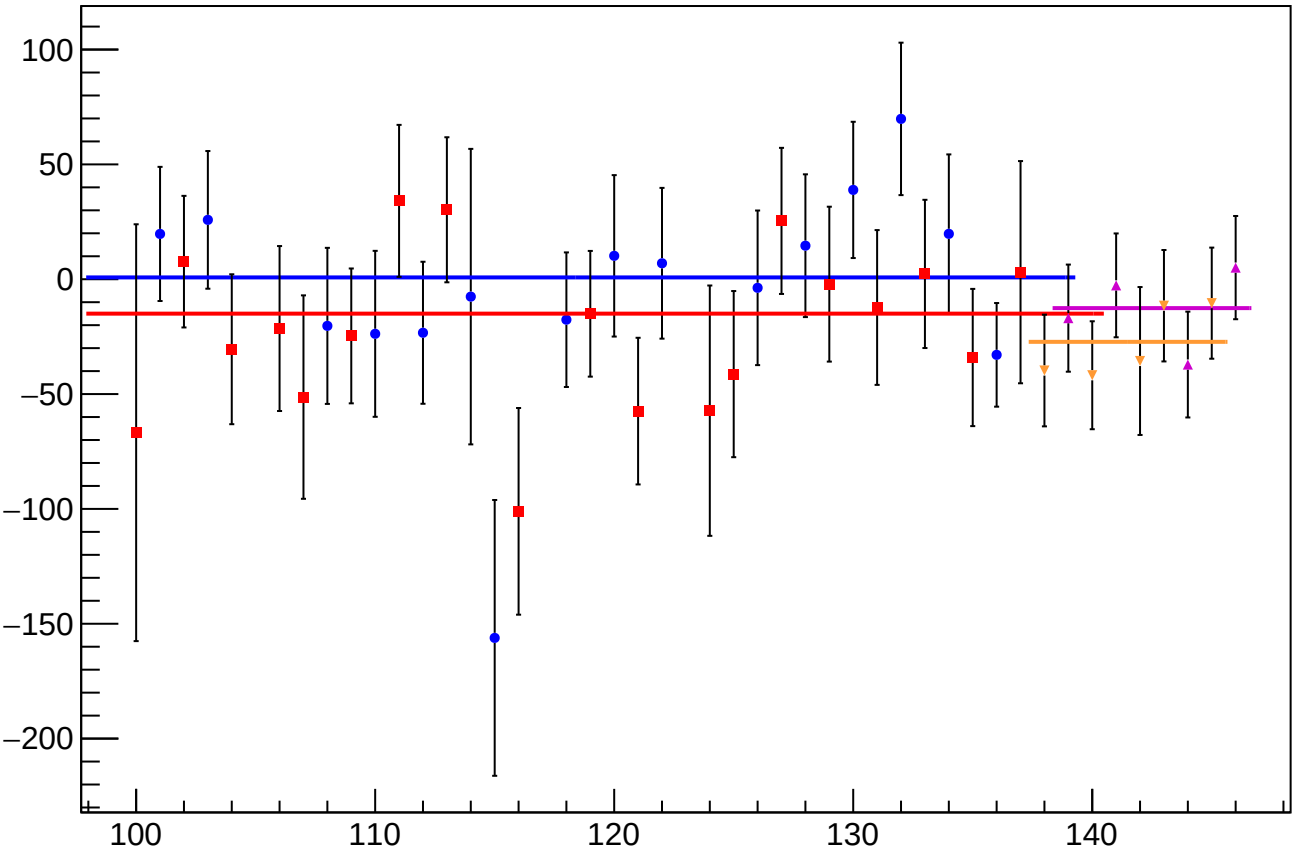
Left: 15.811+/-0.004 χ^2/NDF: 21625.2/8

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.218+/-0.004 χ^2/NDF:69380.0/19

Out: 16.431+/-0.003 χ^2/NDF:61938.1/23

All: 16.325+/-0.002 χ^2/NDF: 133189.6/43



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -27.259+/-11.269 χ^2/NDF:1.6/4

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -12.576+/-11.426 χ^2/NDF:2.0/3

Left: -20.019+/-8.023 χ^2/NDF: 4.4/8

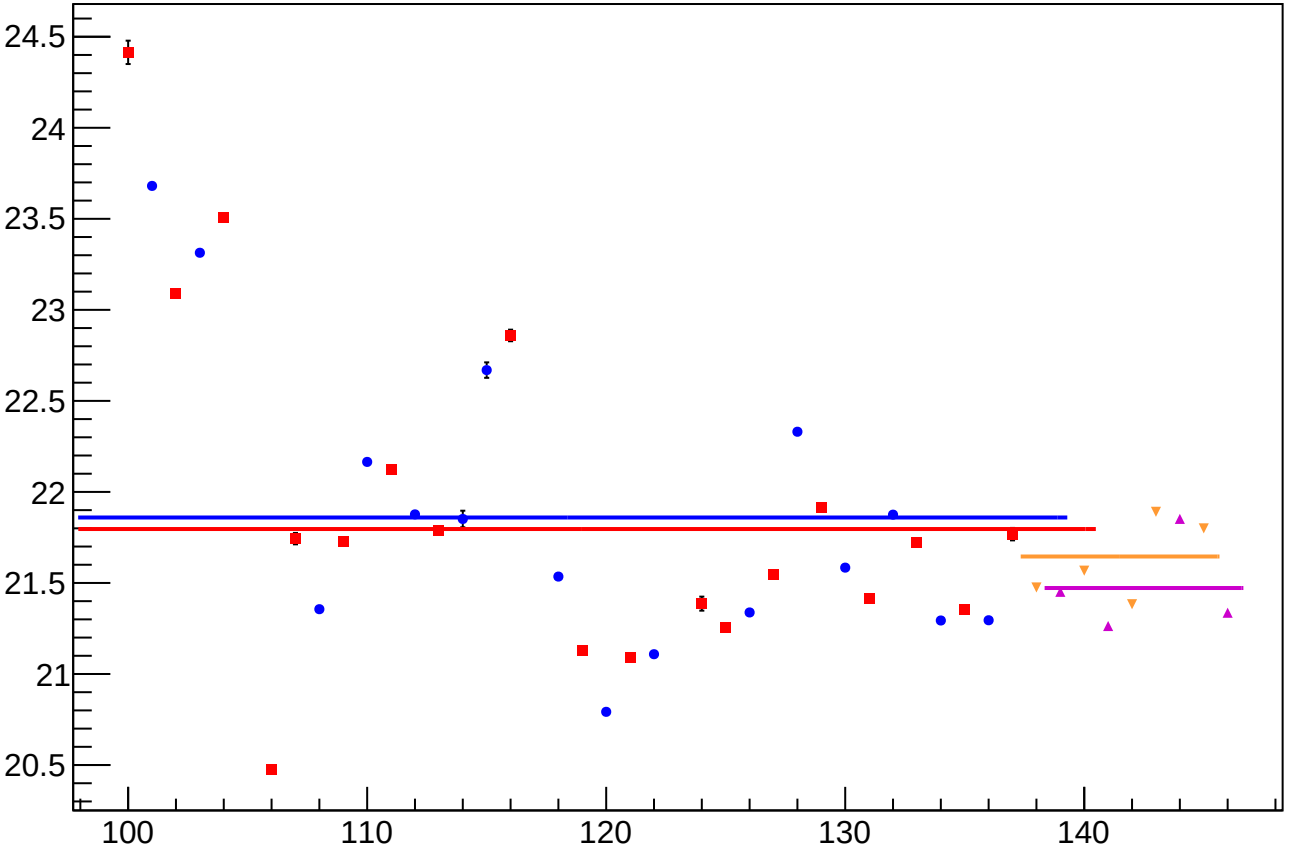
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -3.699+/-6.621 χ^2/NDF:21.5/19

Out: -19.064+/-6.498 χ^2/NDF:17.8/23

All: -11.526+/-4.638 χ^2/NDF: 42.1/43

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: 21.645+/-0.008 χ^2/NDF:538.7/4

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.472+/-0.008 χ^2/NDF:788.4/3

Left: 21.560+/-0.006 χ^2/NDF: 1559.6/8

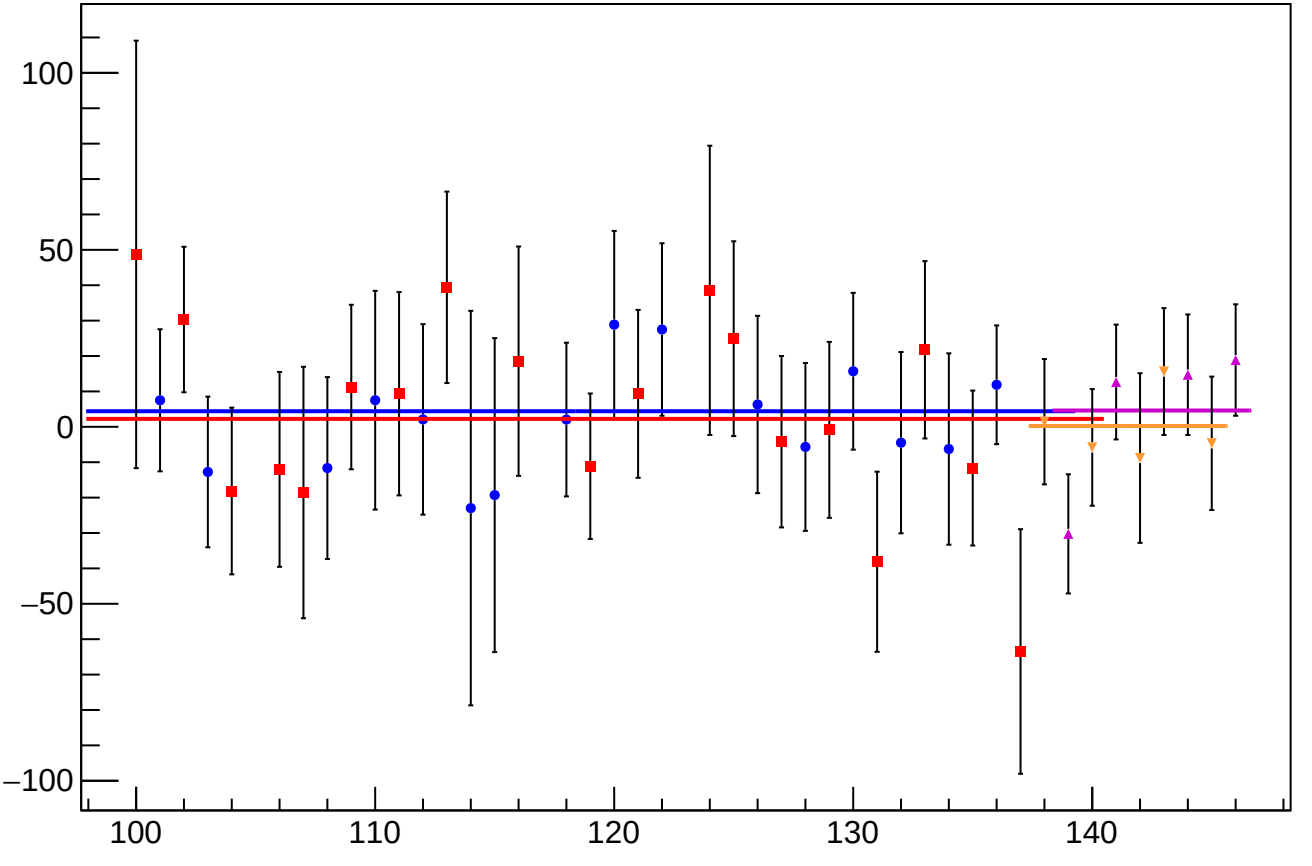
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.729+/-0.005 χ^2/NDF:21782.9/19

Out: 21.746+/-0.005 χ^2/NDF:19639.5/23

All: 21.738+/-0.003 χ^2/NDF: 41428.8/43

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: 0.230+/-8.293 χ^2/NDF:1.1/4

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 4.611+/-8.217 χ^2/NDF:5.7/3

Left: 2.440+/-5.837 χ^2/NDF: 6.9/8

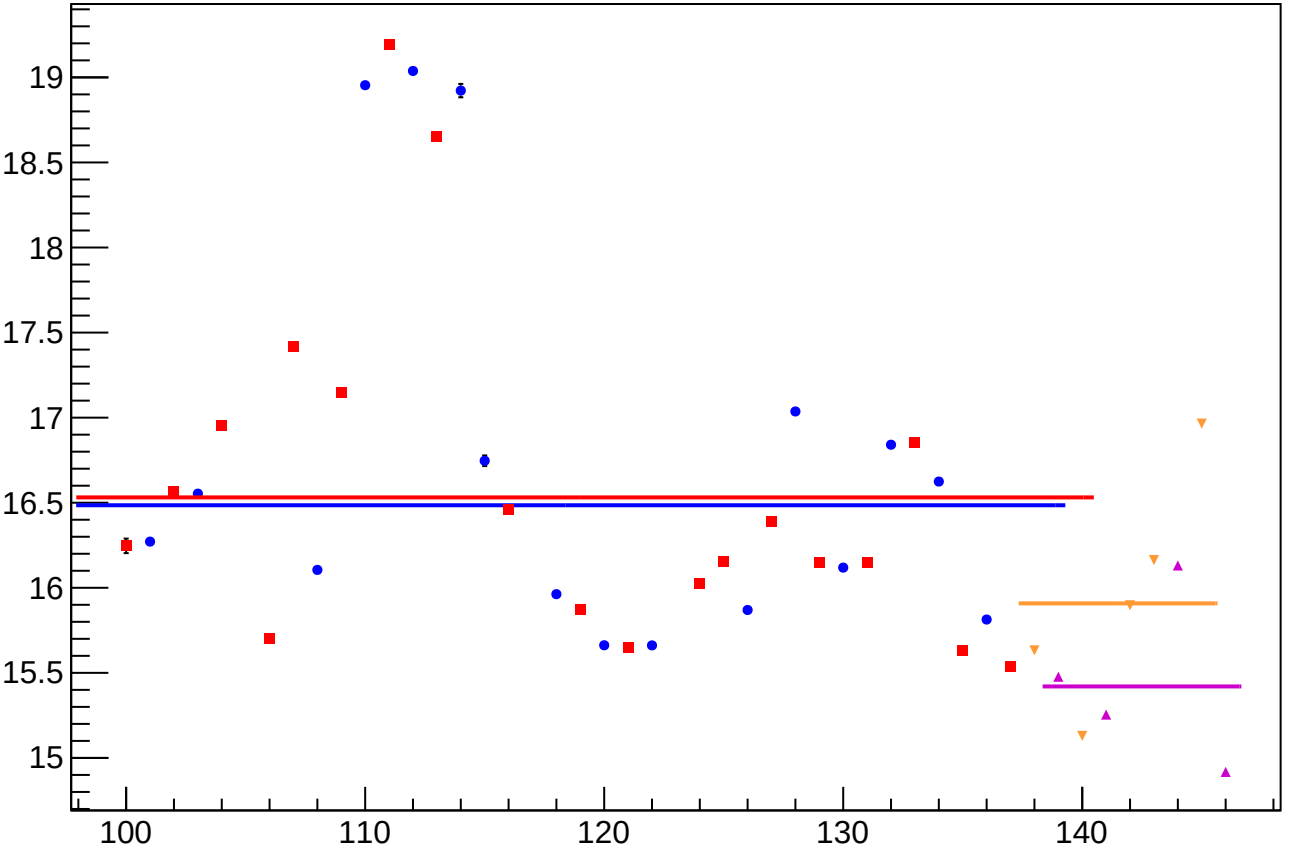
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 4.478+/-4.917 χ^2/NDF:10.0/19

Out: 1.545+/-4.884 χ^2/NDF:16.5/23

All: 3.002+/-3.465 χ^2/NDF: 26.7/43

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: 15.908+/-0.006 χ^2/NDF:11646.9/4

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.420+/-0.006 χ^2/NDF:5754.0/3

Left: 15.662+/-0.004 χ^2/NDF: 20899.1/8

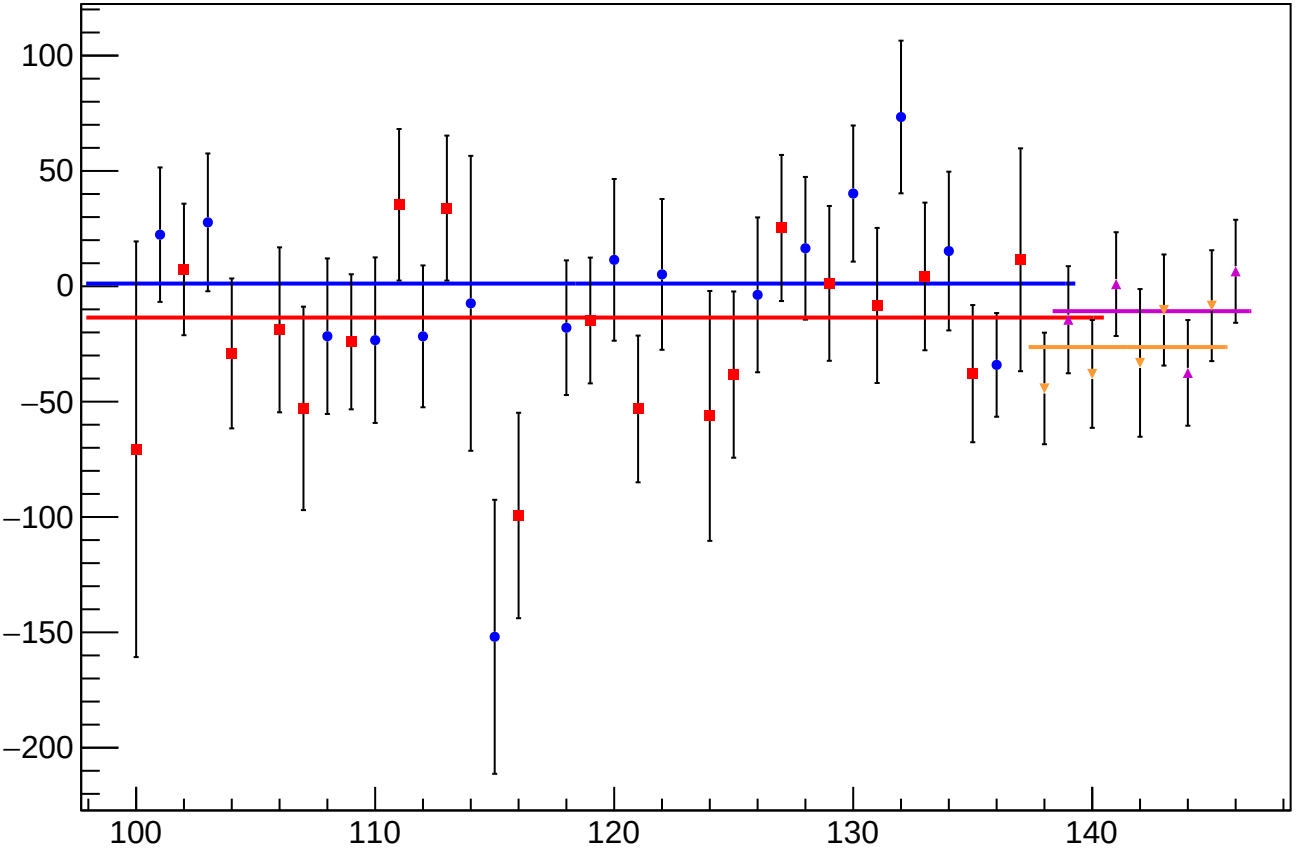
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 16.104+/-0.003 χ^2/NDF:74503.3/19

Out: 16.315+/-0.003 χ^2/NDF:65491.4/23

All: 16.210+/-0.002 χ^2/NDF: 141857.6/43

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: -26.332+/-11.198 χ^2/NDF:1.8/4

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -10.787+/-11.362 χ^2/NDF:2.3/3

Left: -18.672+/-7.975 χ^2/NDF: 5.1/8

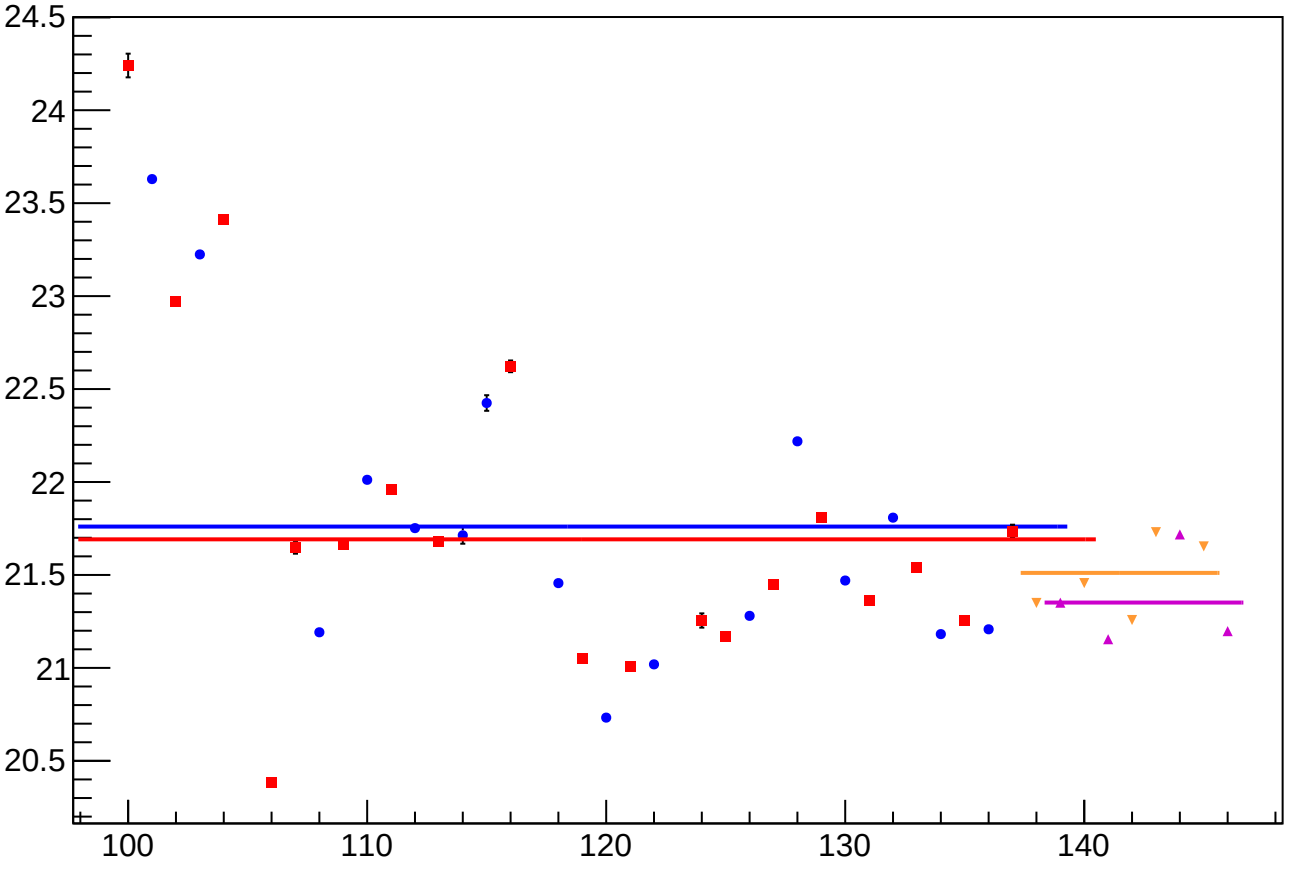
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -2.842+/-6.589 χ^2/NDF:22.4/19

Out: -17.807+/-6.464 χ^2/NDF:18.7/23

All: -10.468+/-4.614 χ^2/NDF: 43.7/43

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: 21.511+/-0.008 χ^2/NDF:461.6/4

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.351+/-0.008 χ^2/NDF:761.0/3

Left: 21.432+/-0.006 χ^2/NDF: 1422.8/8

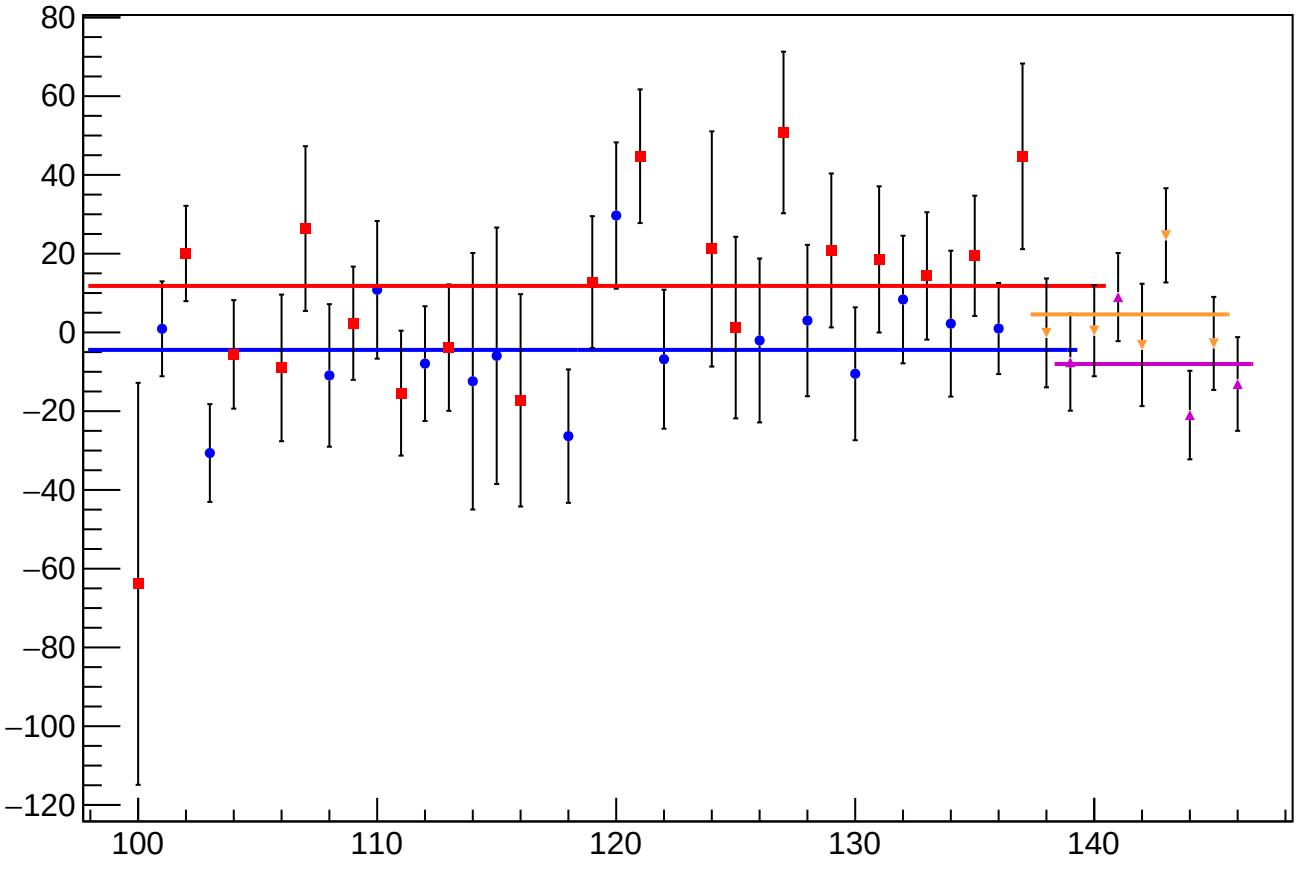
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.623+/-0.005 χ^2/NDF:22224.9/19

Out: 21.631+/-0.005 χ^2/NDF:19138.7/23

All: 21.627+/-0.003 χ^2/NDF: 41365.3/43

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: 4.573+/-5.681 χ^2/NDF:3.7/4

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -8.015+/-5.819 χ^2/NDF:3.8/3

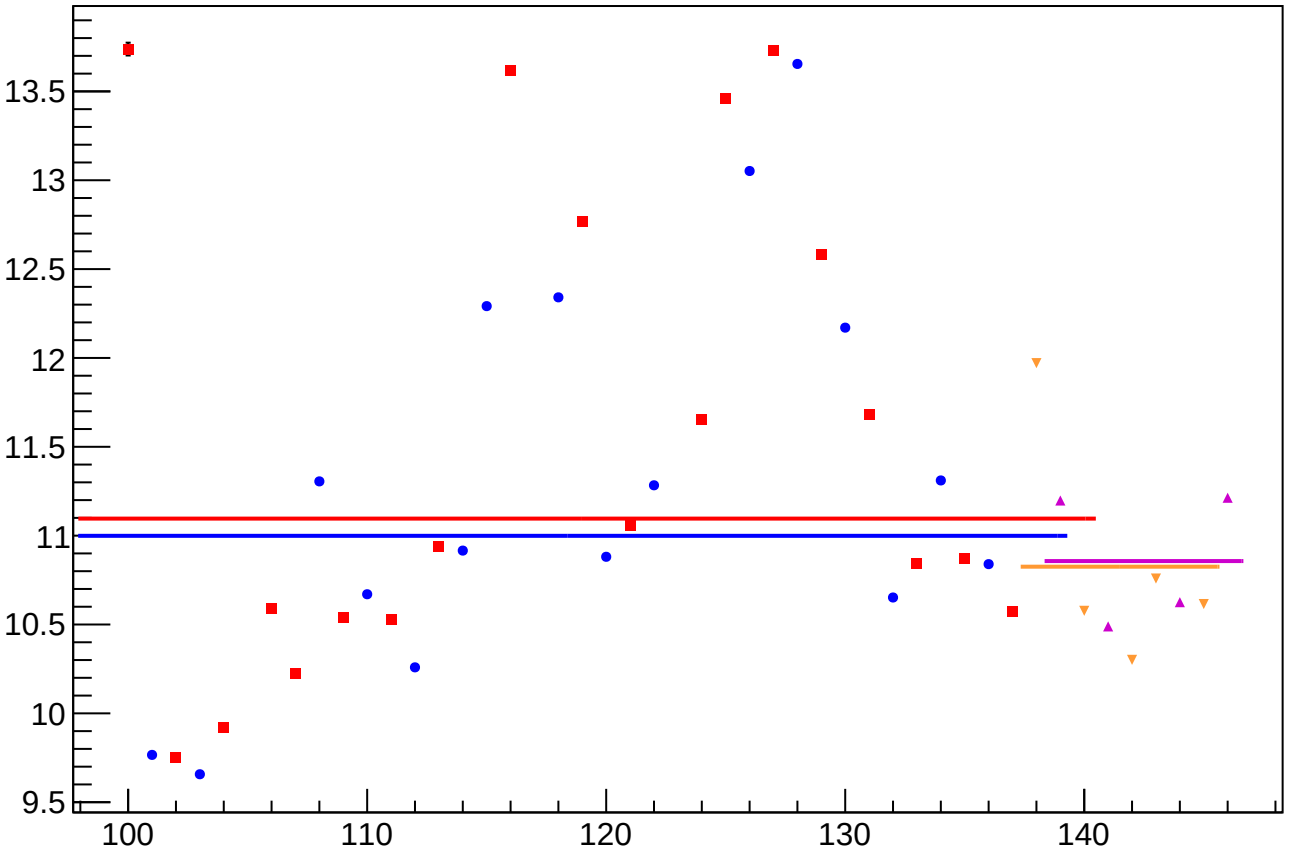
Left: -1.570+/-4.065 χ^2/NDF: 9.9/8

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -5.638+/-3.368 χ^2/NDF:16.1/19

Out: 9.331+/-3.323 χ^2/NDF:26.5/23

All: 1.948+/-2.366 χ^2/NDF: 52.6/43



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.825+/-0.004 χ^2/NDF:17628.9/4

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.857+/-0.004 χ^2/NDF:6326.7/3

Left: 10.841+/-0.003 χ^2/NDF: 23985.8/8

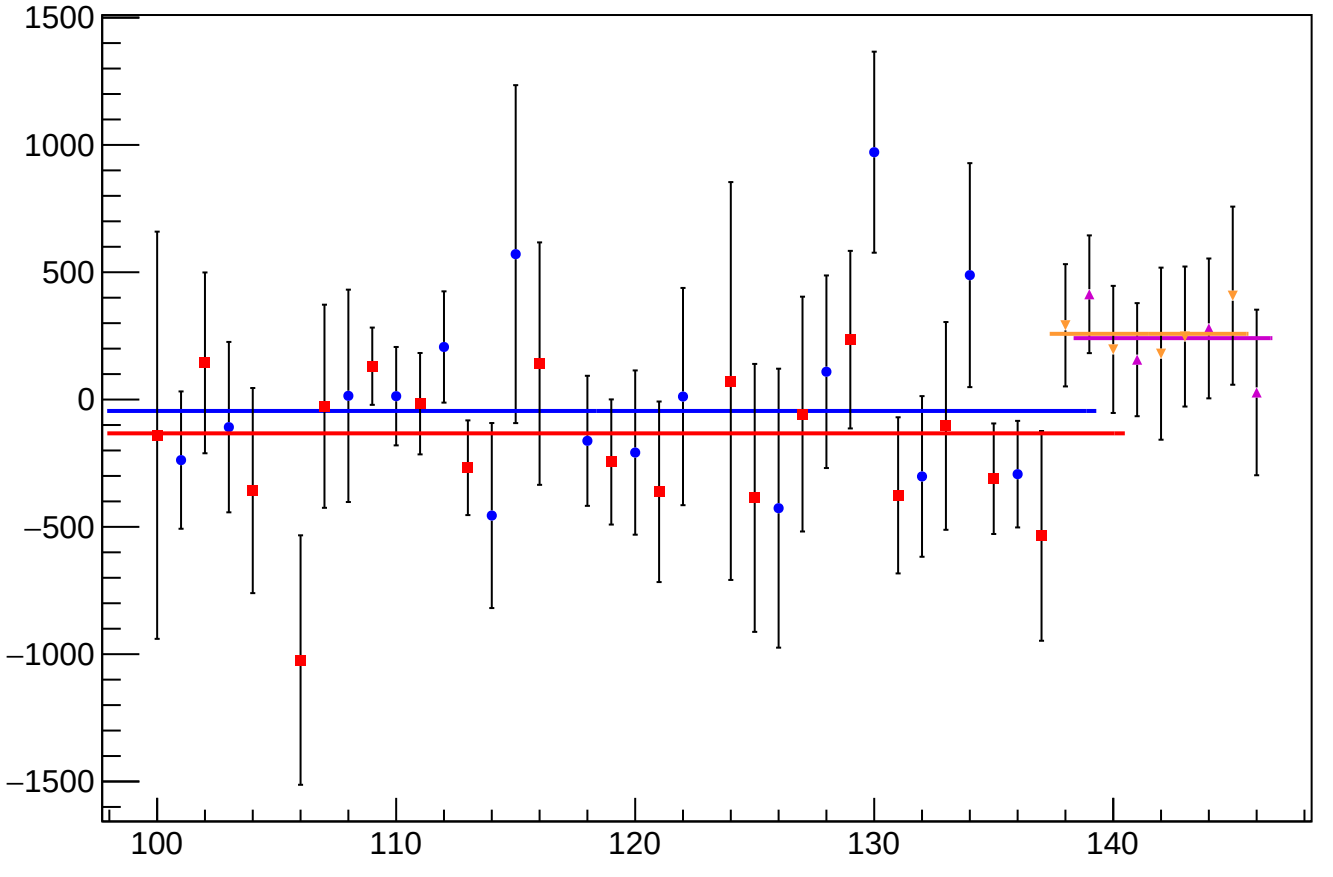
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 10.951+/-0.002 χ^2/NDF:143278.5/19

Out: 11.003+/-0.002 χ^2/NDF:183522.5/23

All: 10.978+/-0.002 χ^2/NDF: 327041.8/43

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 258.130+/-125.440 χ^2/NDF:0.3/4

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 241.147+/-127.305 χ^2/NDF:1.2/3

Left: 249.764+/-89.351 χ^2/NDF: 1.5/8

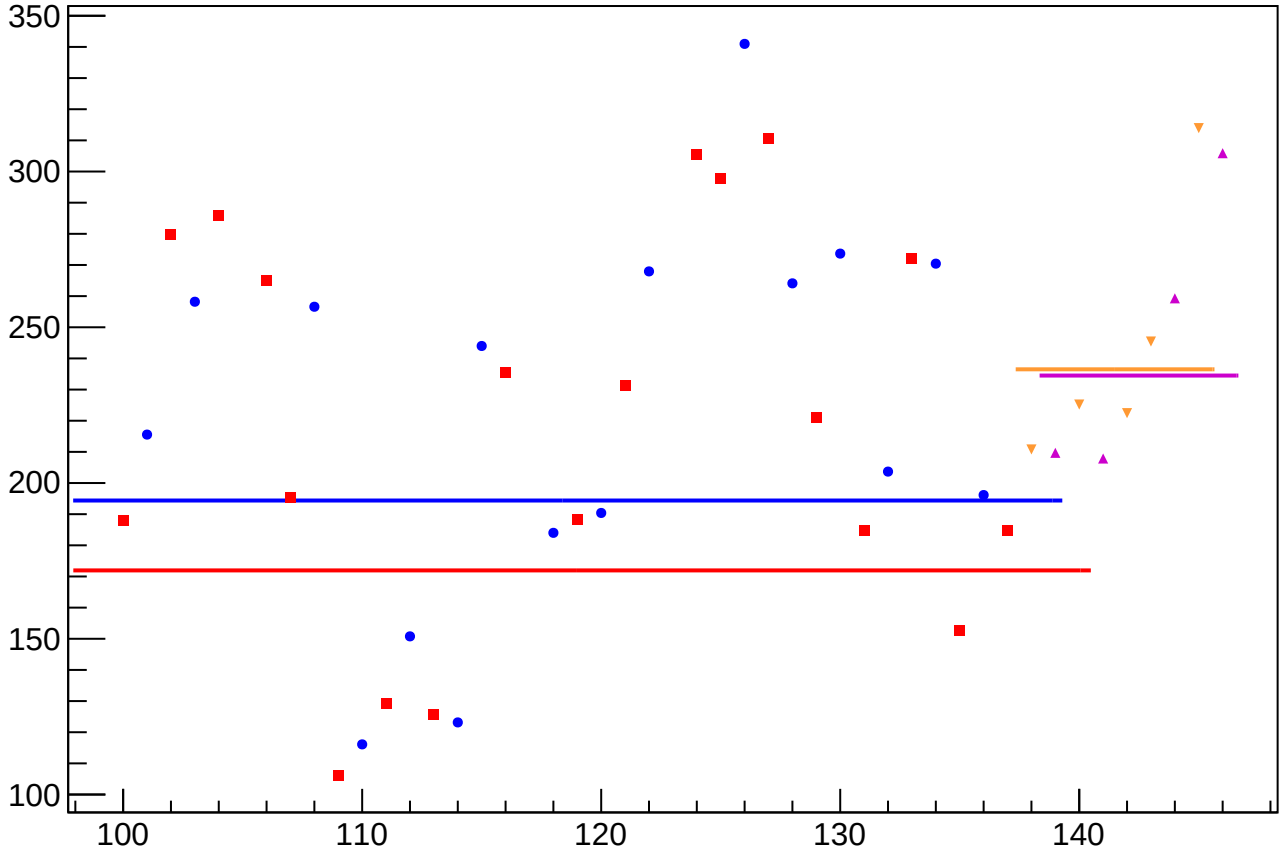
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 30.953+/-65.523 χ^2/NDF:20.3/19

Out: -43.413+/-59.964 χ^2/NDF:20.7/23

All: -9.518+/-44.236 χ^2/NDF: 41.6/43

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: 236.504+/-0.089 χ^2/NDF:130628.1/4

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 234.502+/-0.090 χ^2/NDF:164464.3/3

Left: 235.518+/-0.063 χ^2/NDF: 295343.5/8

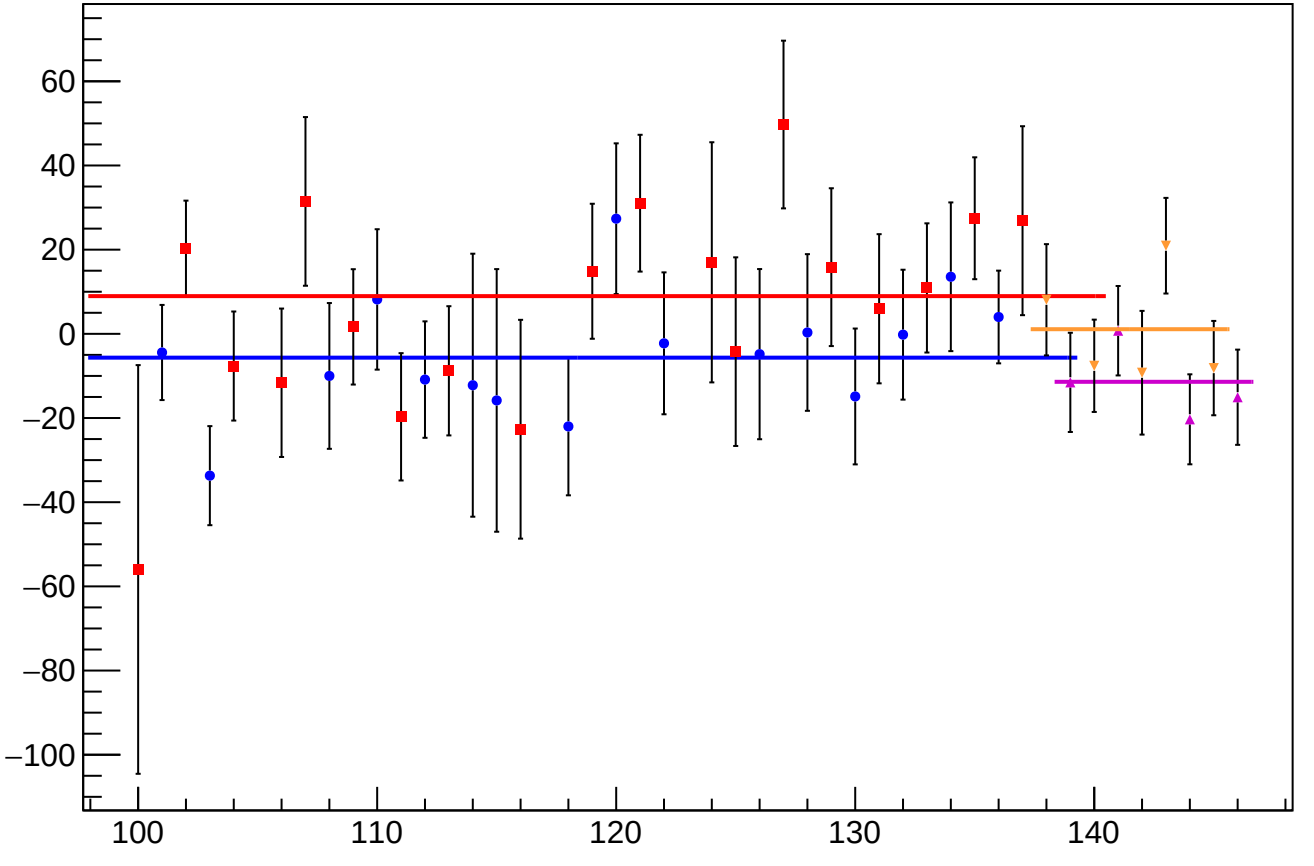
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 205.013+/-0.046 χ^2/NDF:1352480.9/19

Out: 186.701+/-0.042 χ^2/NDF:2190622.4/23

All: 195.047+/-0.031 χ^2/NDF: 3628114.5/43

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.101+/-5.393 χ^2/NDF:5.1/4

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -11.397+/-5.537 χ^2/NDF:2.1/3

Left: -4.984+/-3.863 χ^2/NDF: 9.9/8

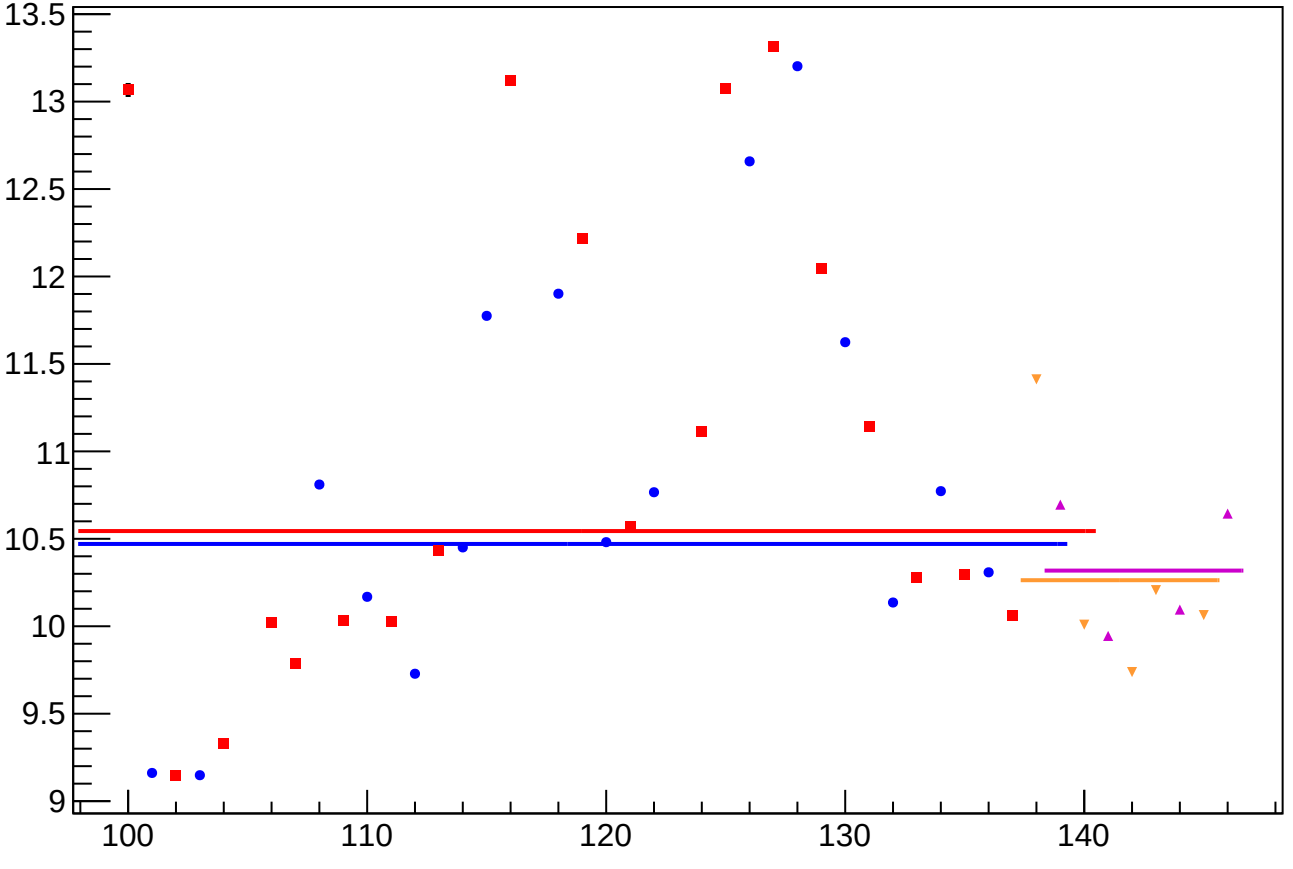
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -7.586+/-3.210 χ^2/NDF:16.5/19

Out: 6.261+/-3.161 χ^2/NDF:29.3/23

All: -0.556+/-2.252 χ^2/NDF: 55.3/43

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: 10.263+/-0.004 χ^2/NDF:19419.0/4

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.318+/-0.004 χ^2/NDF:7048.1/3

Left: 10.290+/-0.003 χ^2/NDF: 26568.3/8

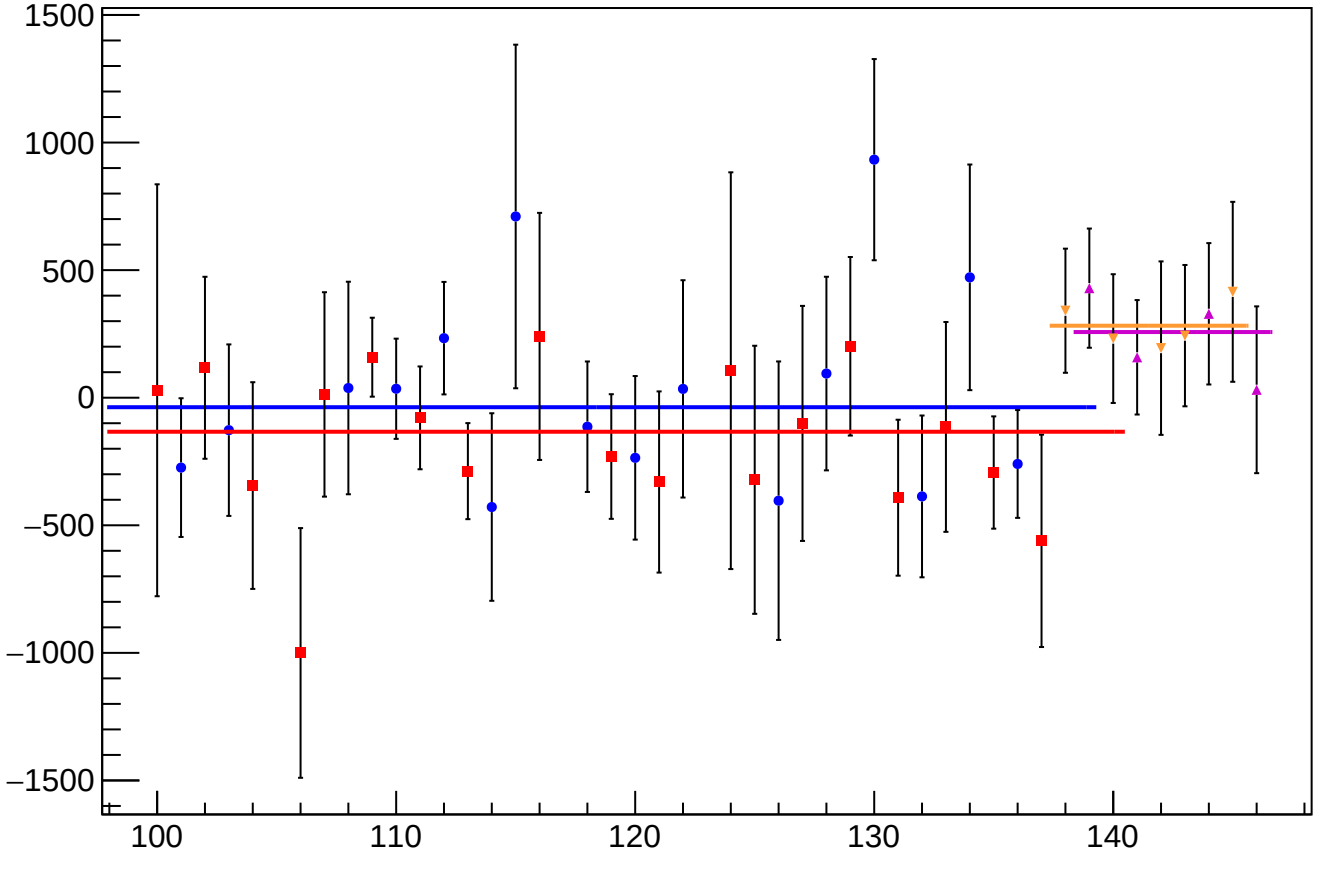
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.419+/-0.002 χ^2/NDF:165418.3/19

Out: 10.448+/-0.002 χ^2/NDF:209764.6/23

All: 10.434+/-0.002 χ^2/NDF: 375262.5/43

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: 282.165+/-126.648 χ^2/NDF:0.3/4

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 257.340+/-128.457 χ^2/NDF:1.3/3

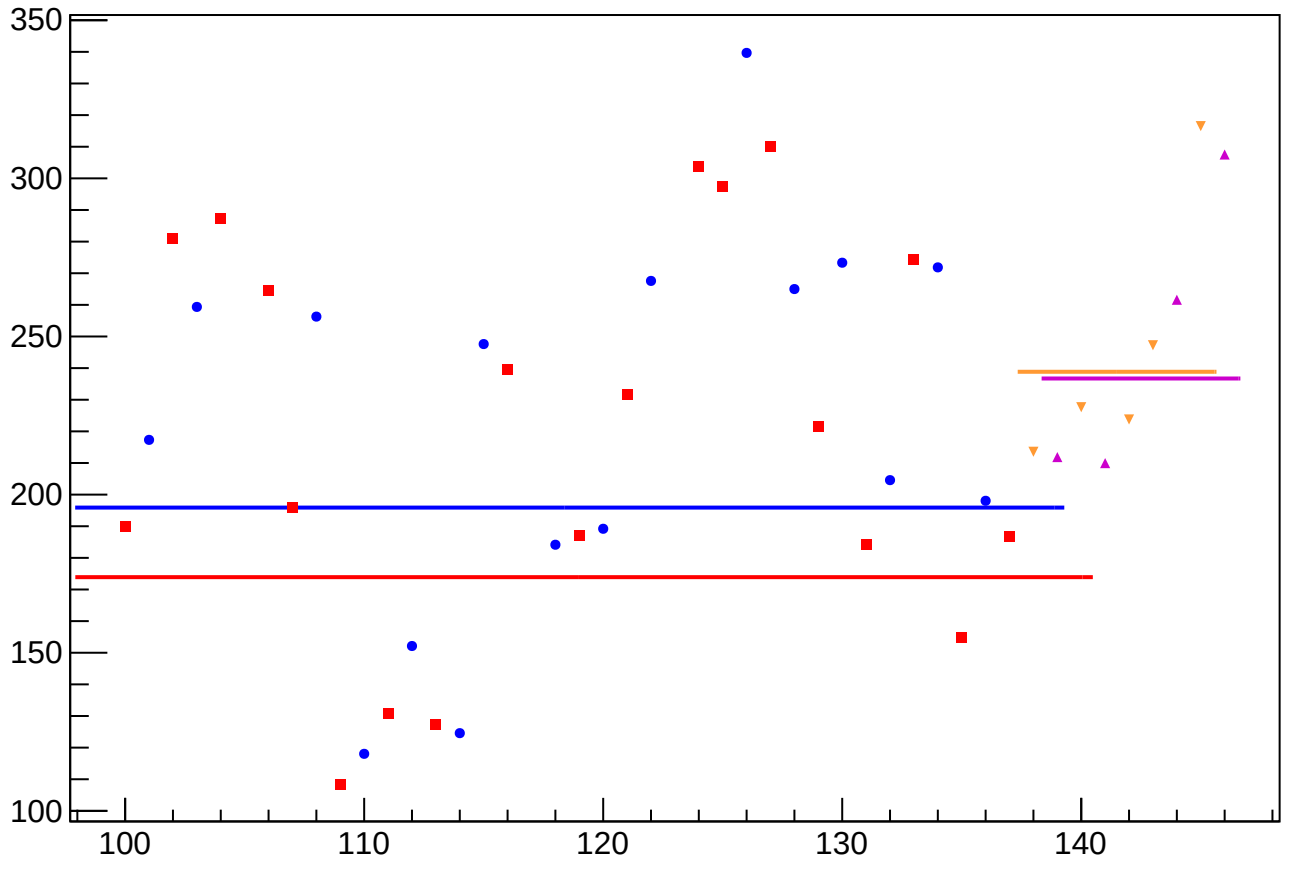
Left: 269.928+/-90.186 χ^2/NDF: 1.6/8

Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 40.499+/-65.990 χ^2/NDF:20.8/19

Out: -38.515+/-60.513 χ^2/NDF:21.5/23

All: -2.422+/-44.600 χ^2/NDF: 43.1/43



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 238.843+/-0.090 χ^2/NDF:128361.6/4

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 236.715+/-0.091 χ^2/NDF:161156.1/3

Left: 237.794+/-0.064 χ^2/NDF: 289795.7/8

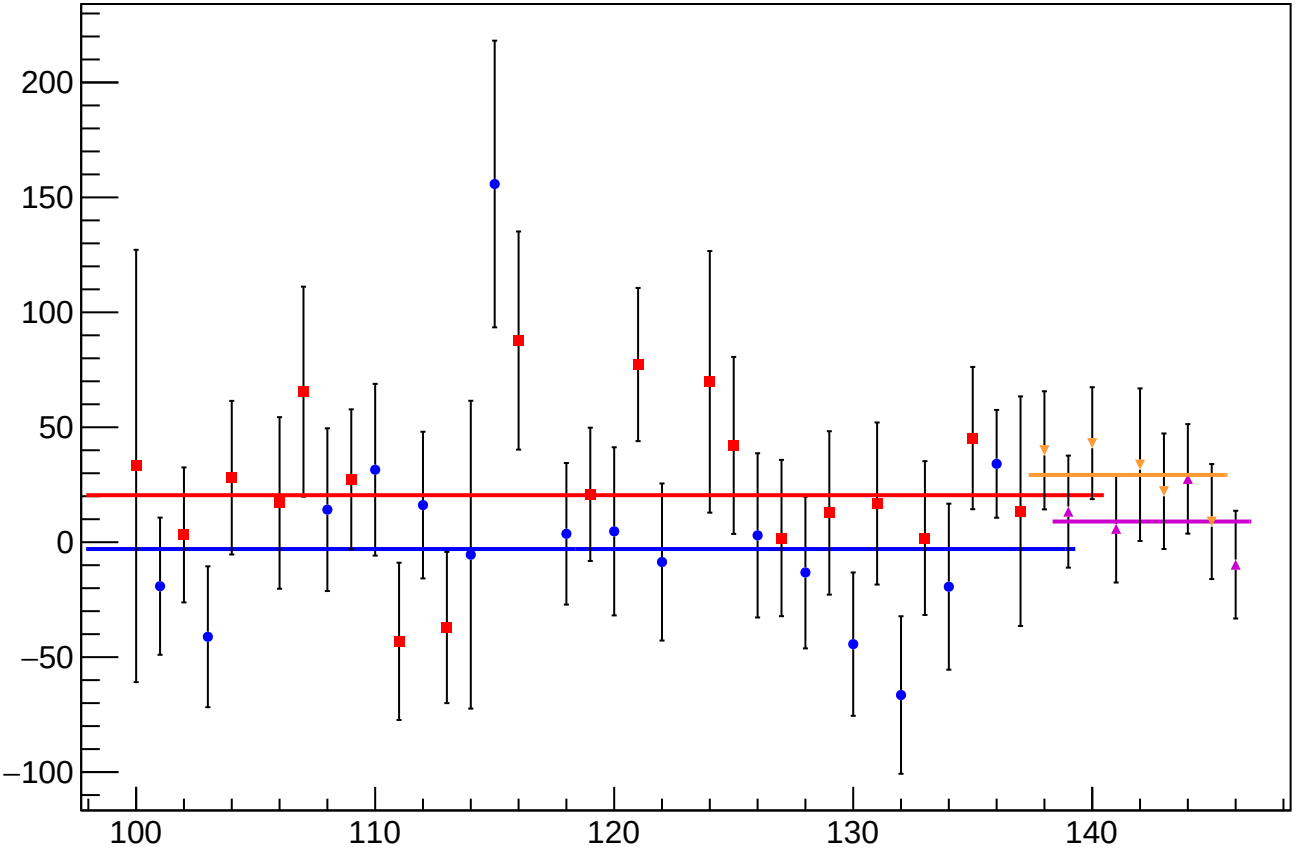
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 206.671+/-0.047 χ^2/NDF:1320798.9/19

Out: 188.728+/-0.043 χ^2/NDF:2133780.5/23

All: 196.924+/-0.032 χ^2/NDF: 3534905.1/43

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: 29.260+/-11.711 χ^2/NDF:1.3/4

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 8.995+/-11.869 χ^2/NDF:1.3/3

Left: 19.263+/-8.336 χ^2/NDF: 4.0/8

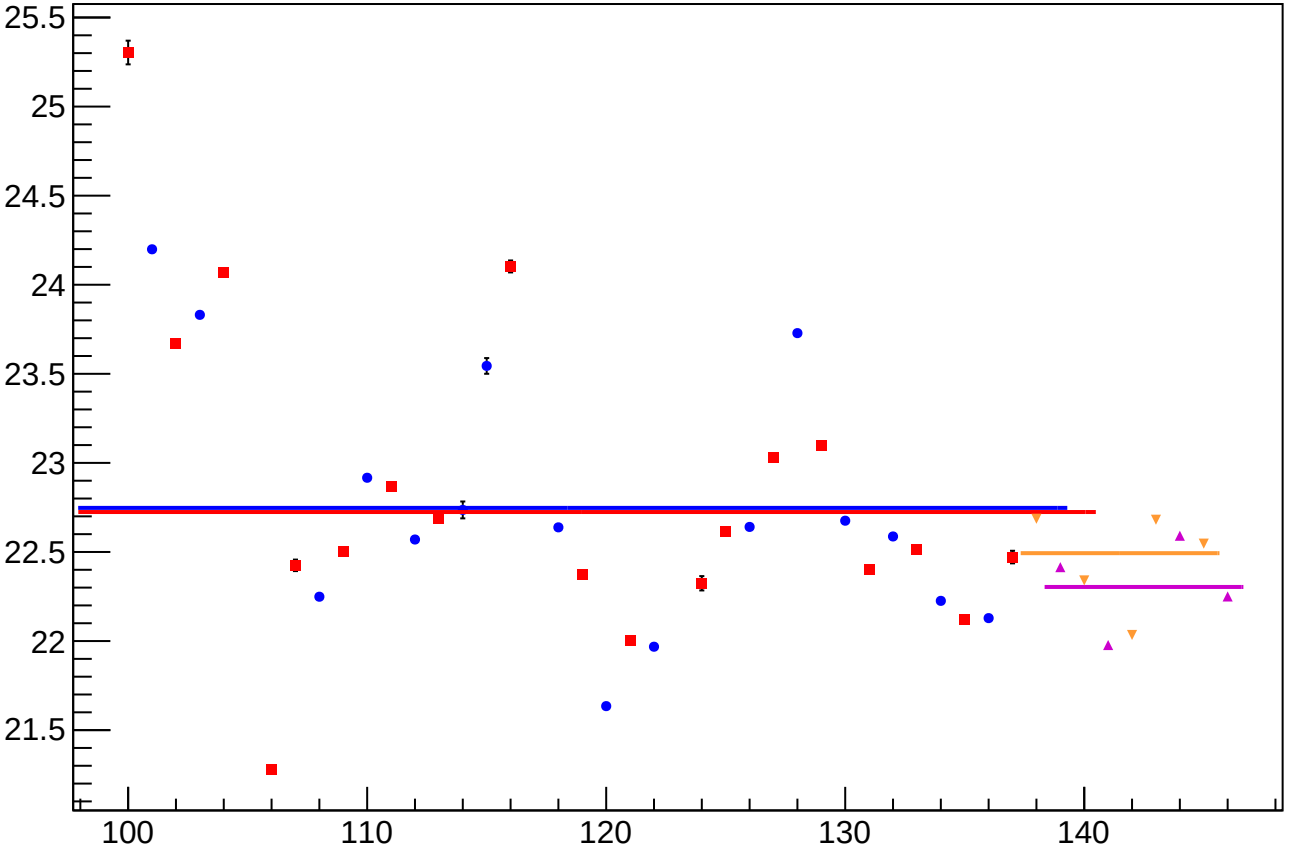
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 1.059+/-6.886 χ^2/NDF:19.9/19

Out: 23.396+/-6.767 χ^2/NDF:16.9/23

All: 12.422+/-4.827 χ^2/NDF: 42.2/43

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: 22.493+/-0.008 χ^2/NDF:695.4/4

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.304+/-0.008 χ^2/NDF:732.6/3

Left: 22.400+/-0.006 χ^2/NDF: 1686.8/8

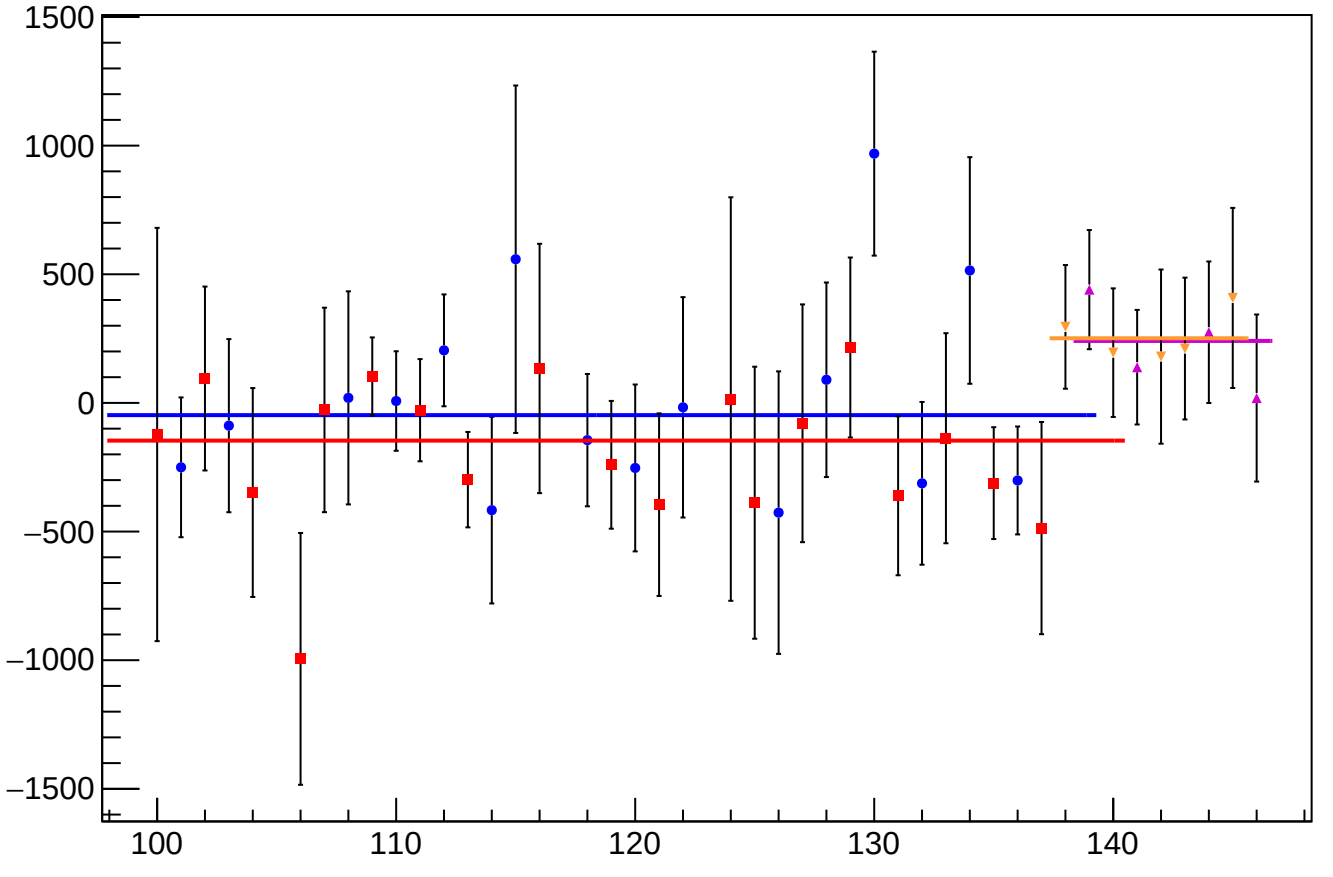
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.598+/-0.005 χ^2/NDF:17210.9/19

Out: 22.647+/-0.005 χ^2/NDF:15704.2/23

All: 22.623+/-0.003 χ^2/NDF: 32966.7/43

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 251.284+/-125.606 χ^2/NDF:0.3/4

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 240.893+/-127.488 χ^2/NDF:1.4/3

Left: 246.166+/-89.475 χ^2/NDF: 1.8/8

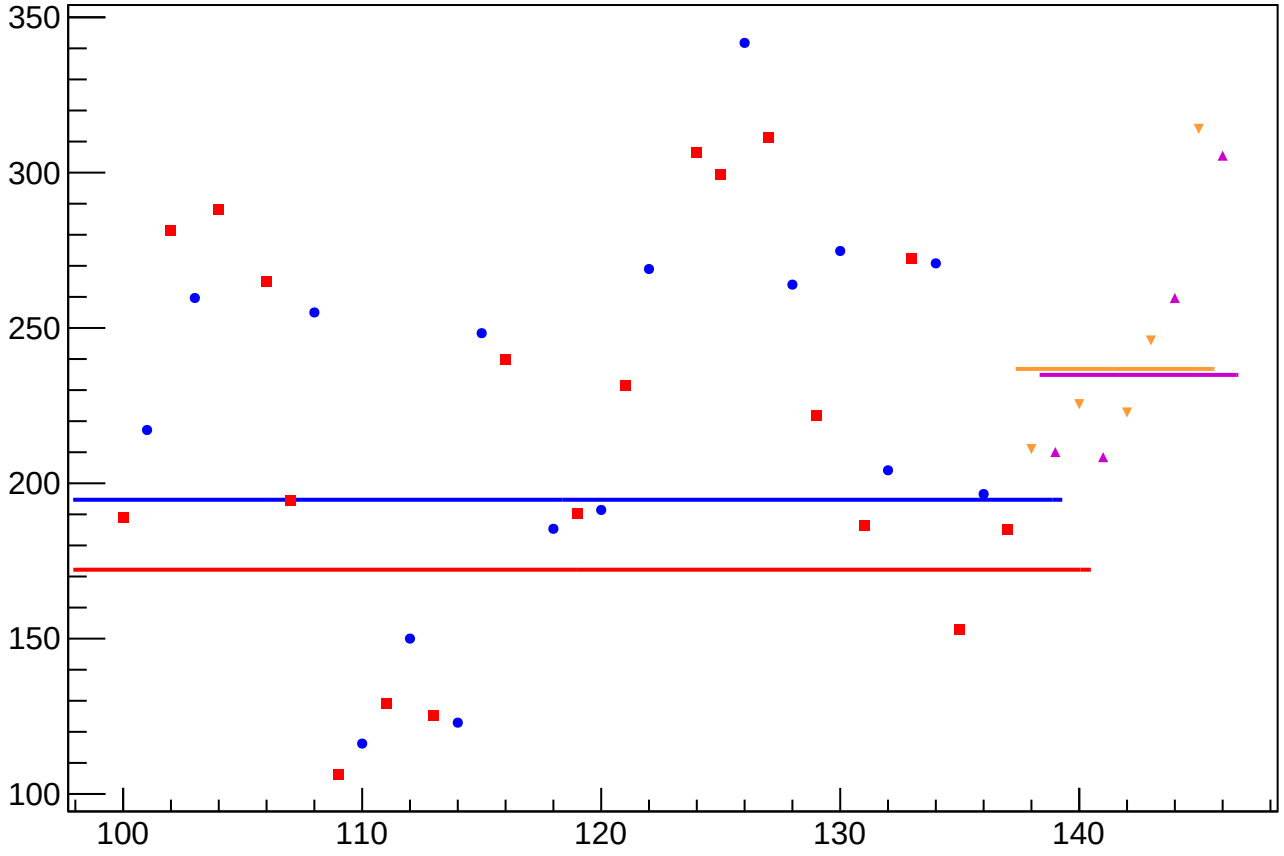
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 28.938+/-65.641 χ^2/NDF:20.6/19

Out: -55.580+/-60.069 χ^2/NDF:19.7/23

All: -17.060+/-44.315 χ^2/NDF: 41.2/43

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: 236.827+/-0.089 χ^2/NDF:130338.2/4

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 234.895+/-0.090 χ^2/NDF:161902.2/3

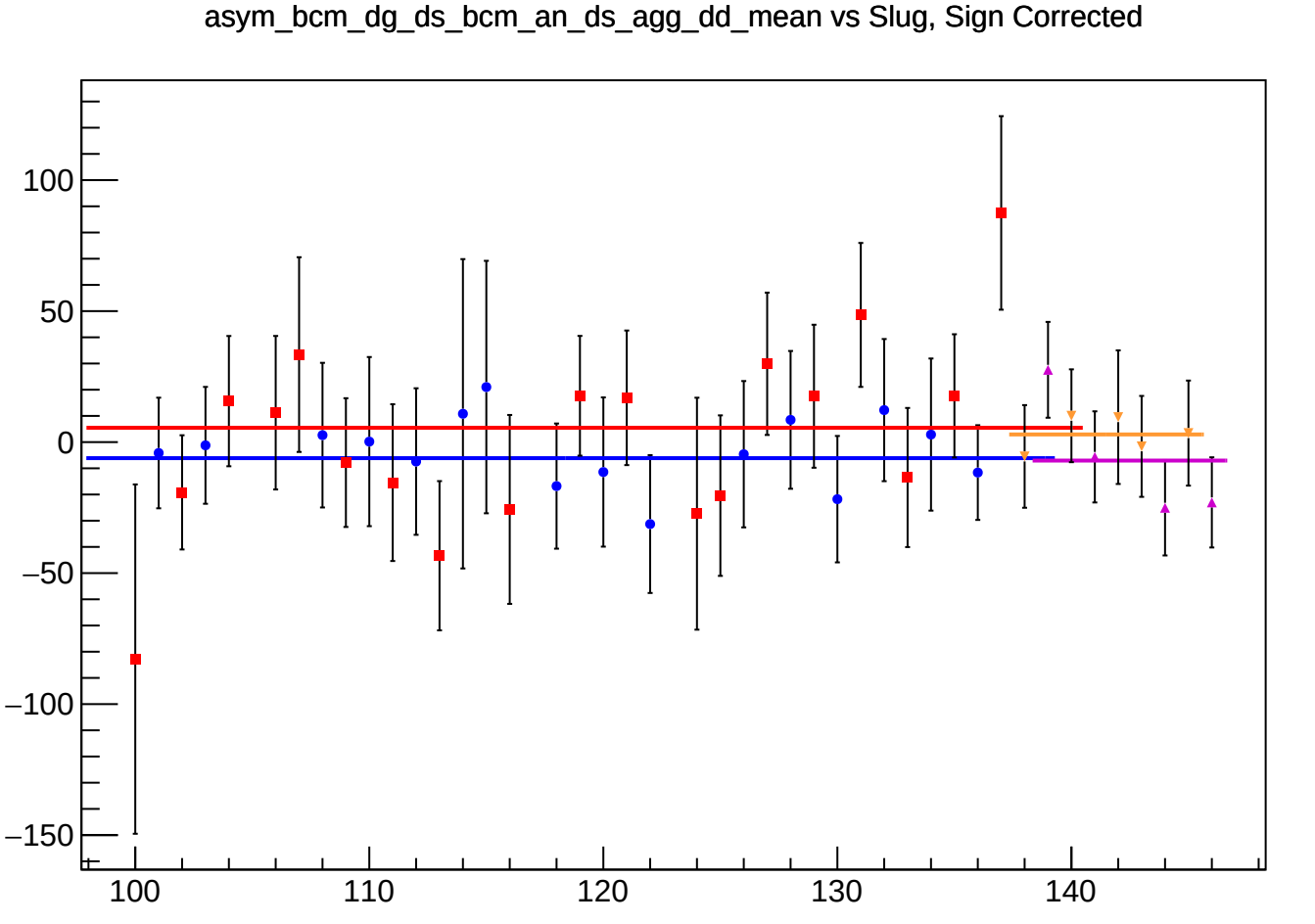
Left: 235.875+/-0.063 χ^2/NDF: 292473.7/8

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

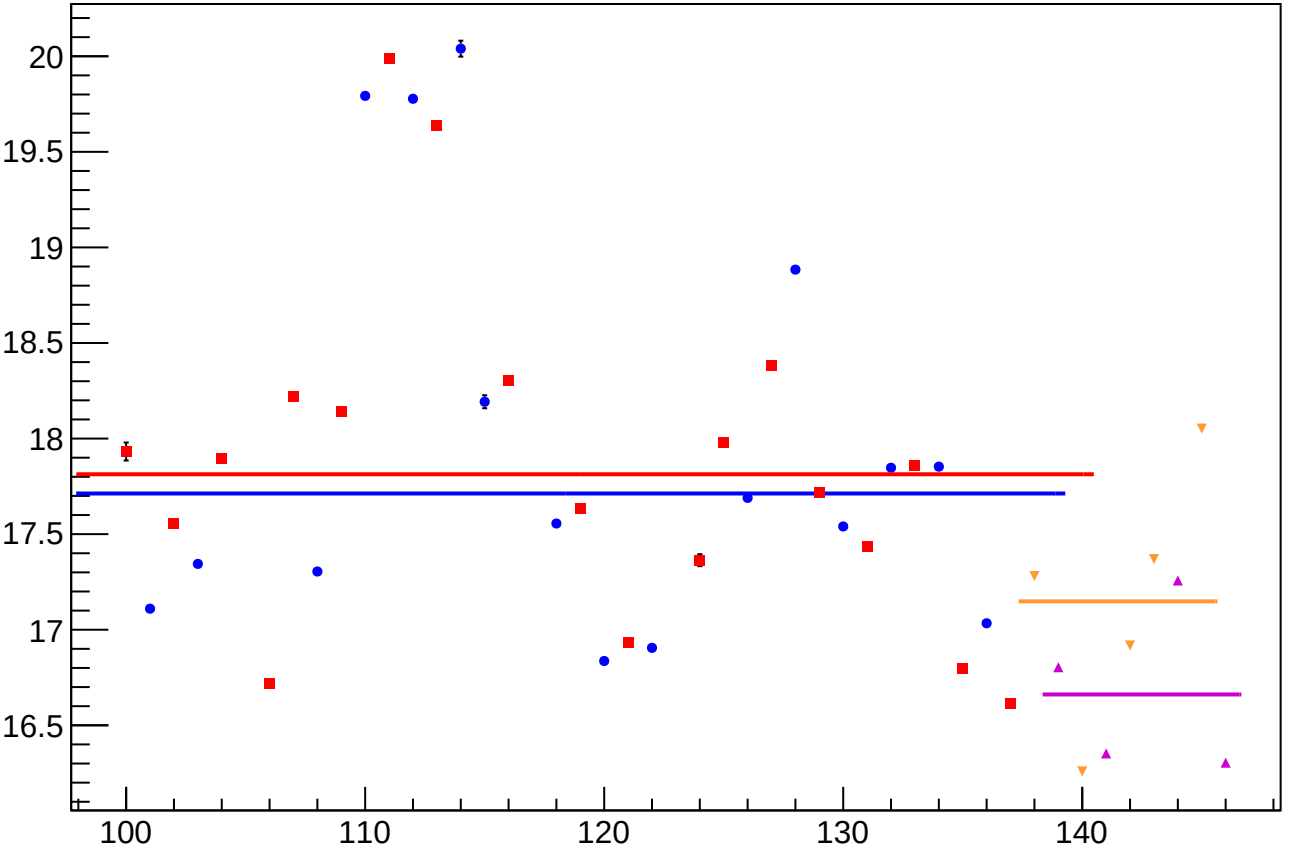
In: 205.362+/-0.046 χ^2/NDF:1360234.6/19

Out: 186.970+/-0.042 χ^2/NDF:2209955.0/23

All: 195.352+/-0.031 χ^2/NDF: 3655638.0/43


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
110
120
130
140
Right In: -6.119+/-6.592 χ²/NDF: 3.1/15
Left Out: 2.926+/-8.939 χ²/NDF:0.5/4
Right Out: 5.470+/-6.509 χ²/NDF: 19.2/18
Left In: -7.041+/-8.878 χ²/NDF:5.4/3
Left: -2.092+/-6.299 χ²/NDF: 6.5/8
Right: -0.251+/-4.632 χ²/NDF: 23.9/34
In: -6.447+/-5.293 χ²/NDF:8.6/19
Out: 4.588+/-5.262 χ²/NDF:19.7/23
All: -0.897+/-3.732 χ²/NDF: 30.5/43

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.148+/-0.006 χ^2/NDF:9626.8/4

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.661+/-0.006 χ^2/NDF:3754.8/3

Left: 16.903+/-0.004 χ^2/NDF: 16370.6/8

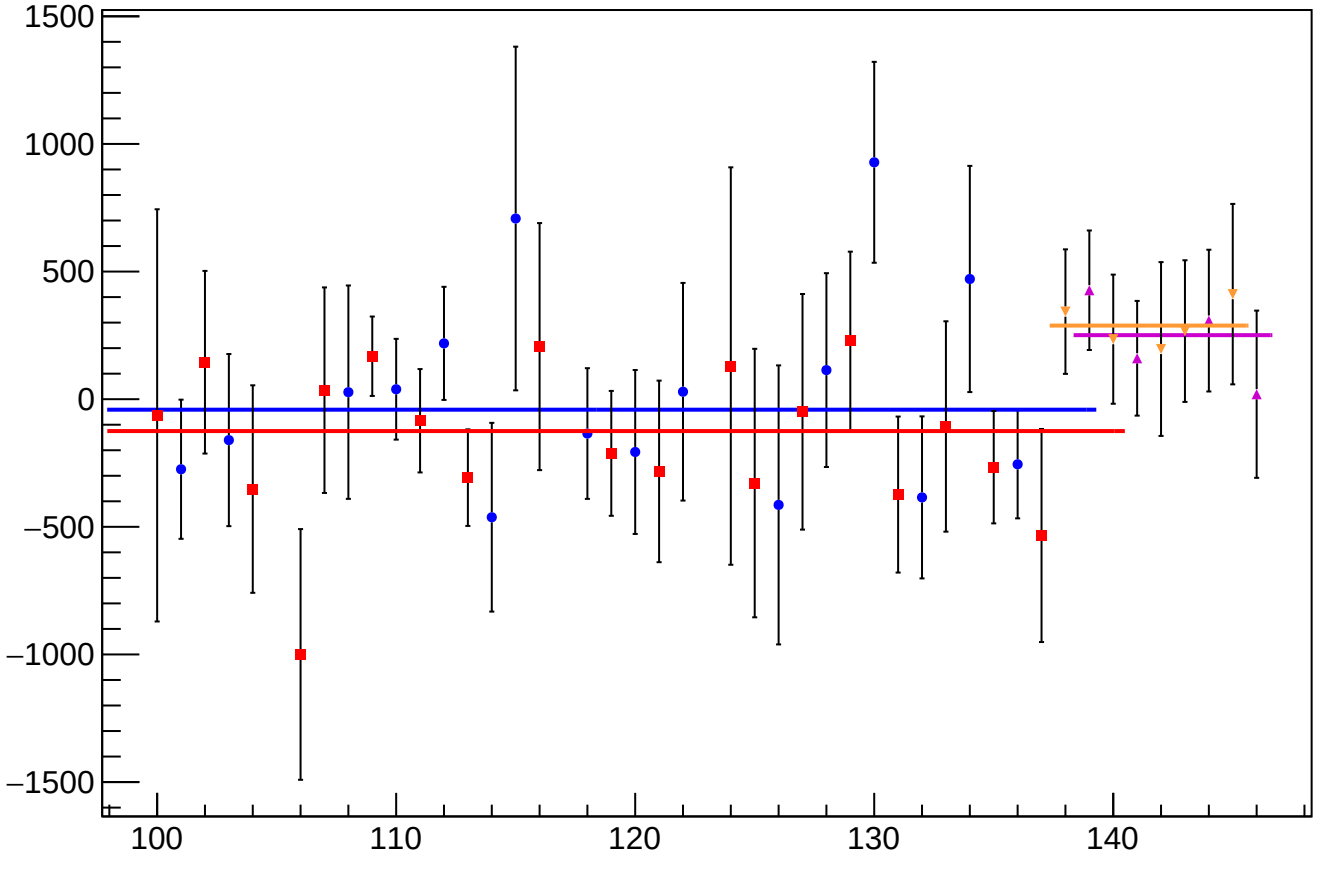
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.339+/-0.004 χ^2/NDF:57815.9/19

Out: 17.583+/-0.004 χ^2/NDF:49571.4/23

All: 17.462+/-0.003 χ^2/NDF: 109522.9/43

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: 288.411+/-126.940 χ^2/NDF:0.3/4

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 250.890+/-128.736 χ^2/NDF:1.3/3

Left: 269.914+/-90.388 χ^2/NDF: 1.6/8

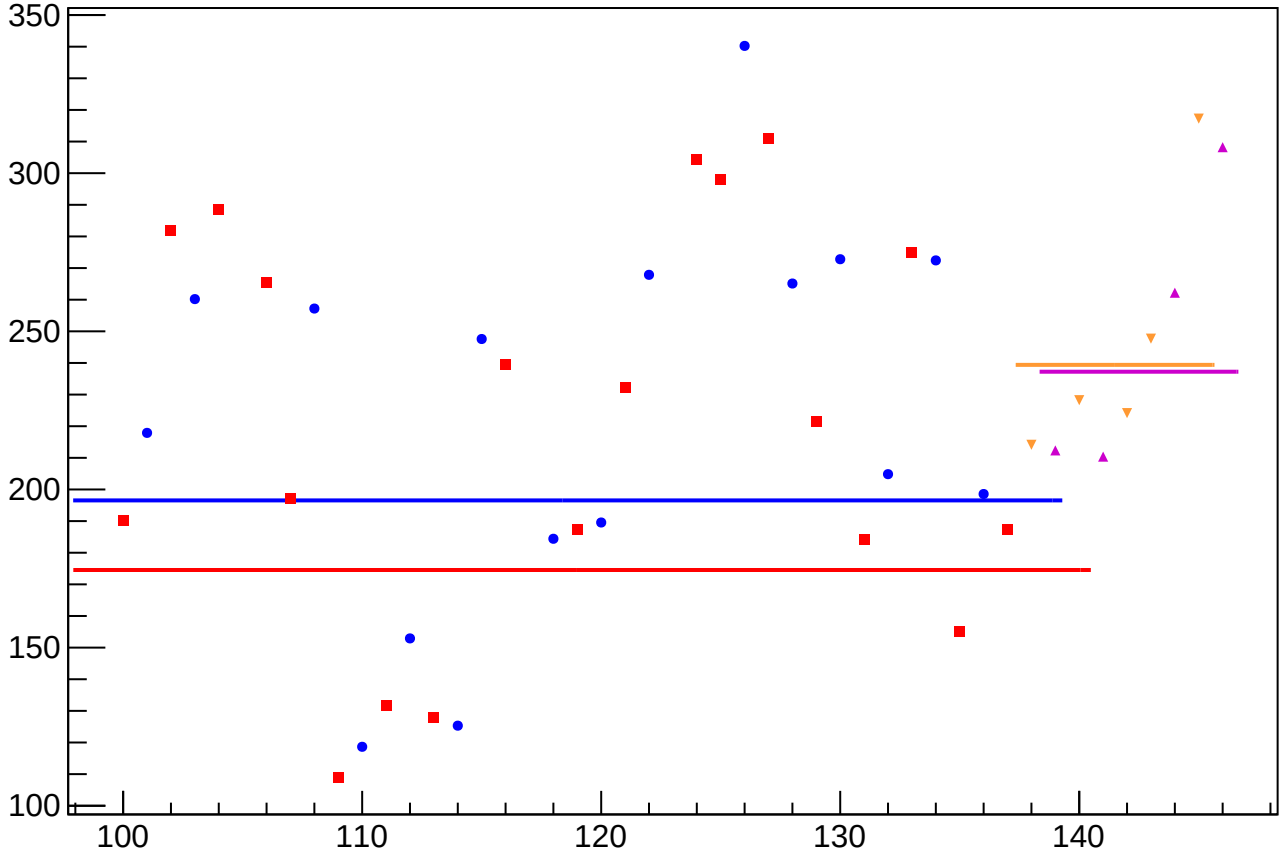
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 36.030+/-66.169 χ^2/NDF:20.7/19

Out: -30.384+/-60.696 χ^2/NDF:21.3/23

All: -0.037+/-44.729 χ^2/NDF: 42.6/43

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: 239.396+/-0.090 χ^2/NDF:128205.6/4

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 237.231+/-0.091 χ^2/NDF:161236.9/3

Left: 238.329+/-0.064 χ^2/NDF: 289729.3/8

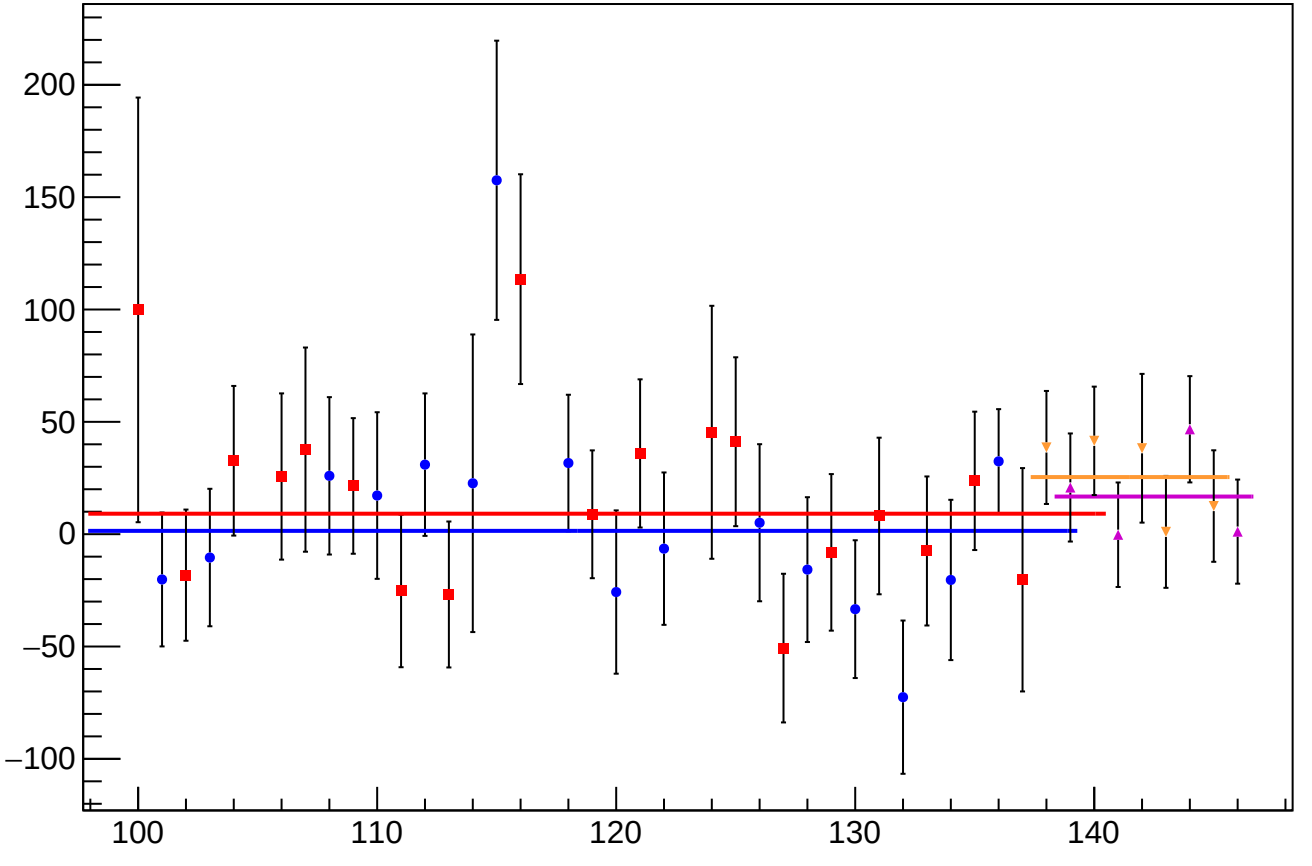
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 207.292+/-0.047 χ^2/NDF:1309015.5/19

Out: 189.368+/-0.043 χ^2/NDF:2119649.7/23

All: 197.558+/-0.032 χ^2/NDF: 3508357.4/43

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: 25.415+/-11.588 χ^2/NDF:2.1/4

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 16.748+/-11.763 χ^2/NDF:2.6/3

Left: 21.146+/-8.255 χ^2/NDF: 5.0/8

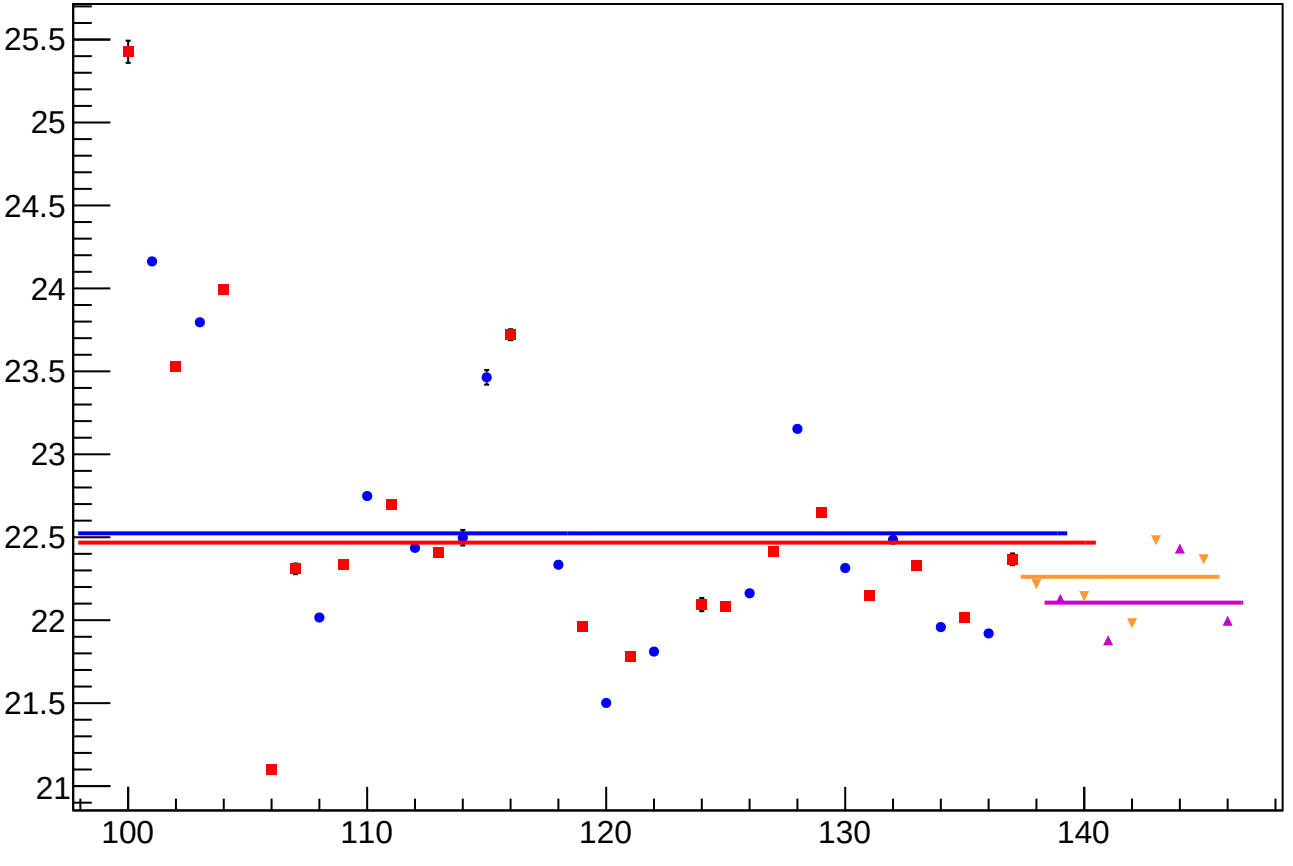
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 6.609+/-6.820 χ^2/NDF:22.4/19

Out: 14.550+/-6.692 χ^2/NDF:19.9/23

All: 10.655+/-4.777 χ^2/NDF: 43.0/43

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: 22.262+/-0.008 χ^2/NDF:388.5/4

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.106+/-0.008 χ^2/NDF:616.6/3

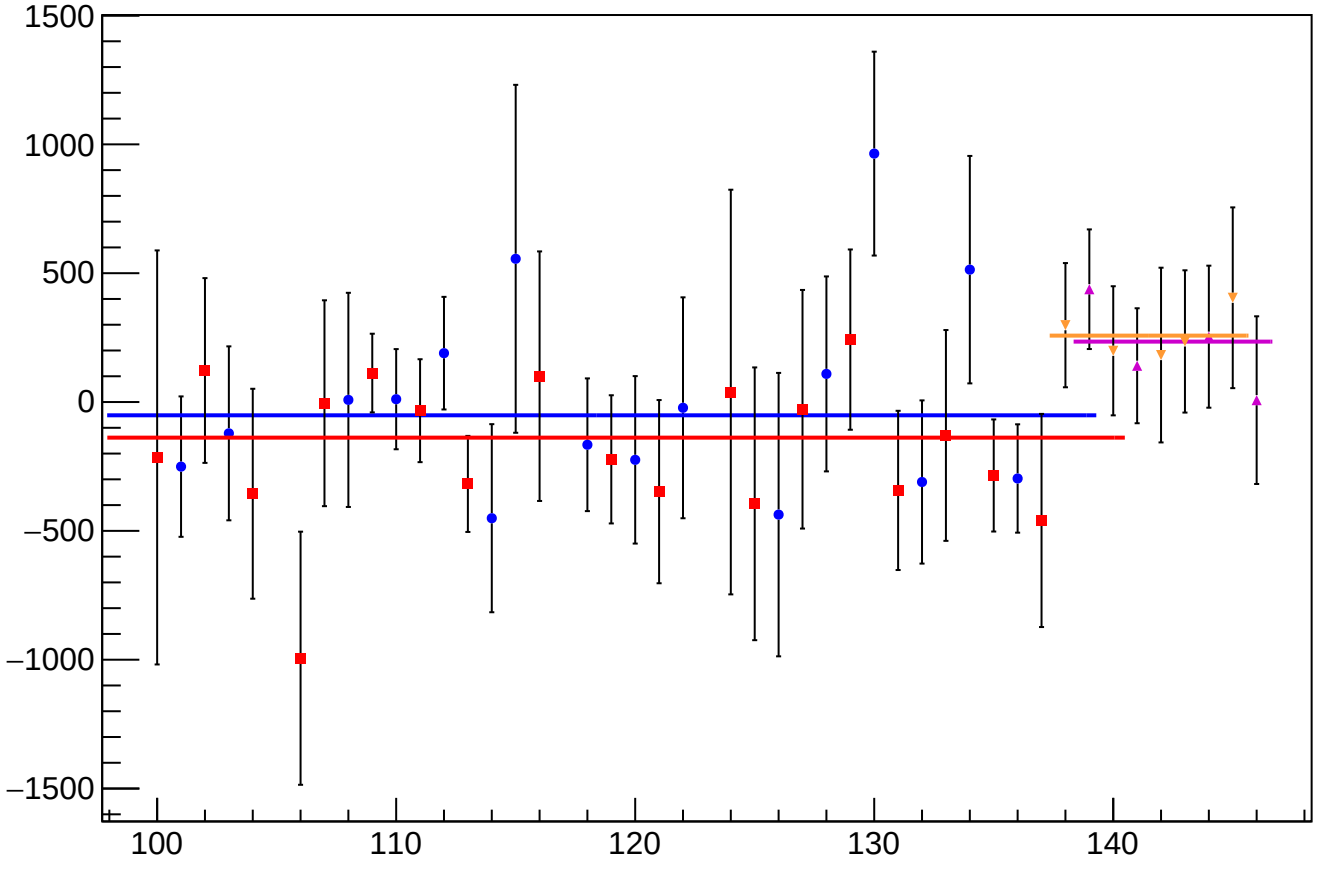
Left: 22.185+/-0.006 χ^2/NDF: 1183.0/8

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.383+/-0.005 χ^2/NDF:18238.7/19

Out: 22.399+/-0.005 χ^2/NDF:16436.3/23

All: 22.391+/-0.003 χ^2/NDF: 34680.4/43



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 257.748+/-125.899 χ^2/NDF:0.3/4

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 234.435+/-127.769 χ^2/NDF:1.4/3

Left: 246.263+/-89.678 χ^2/NDF: 1.8/8

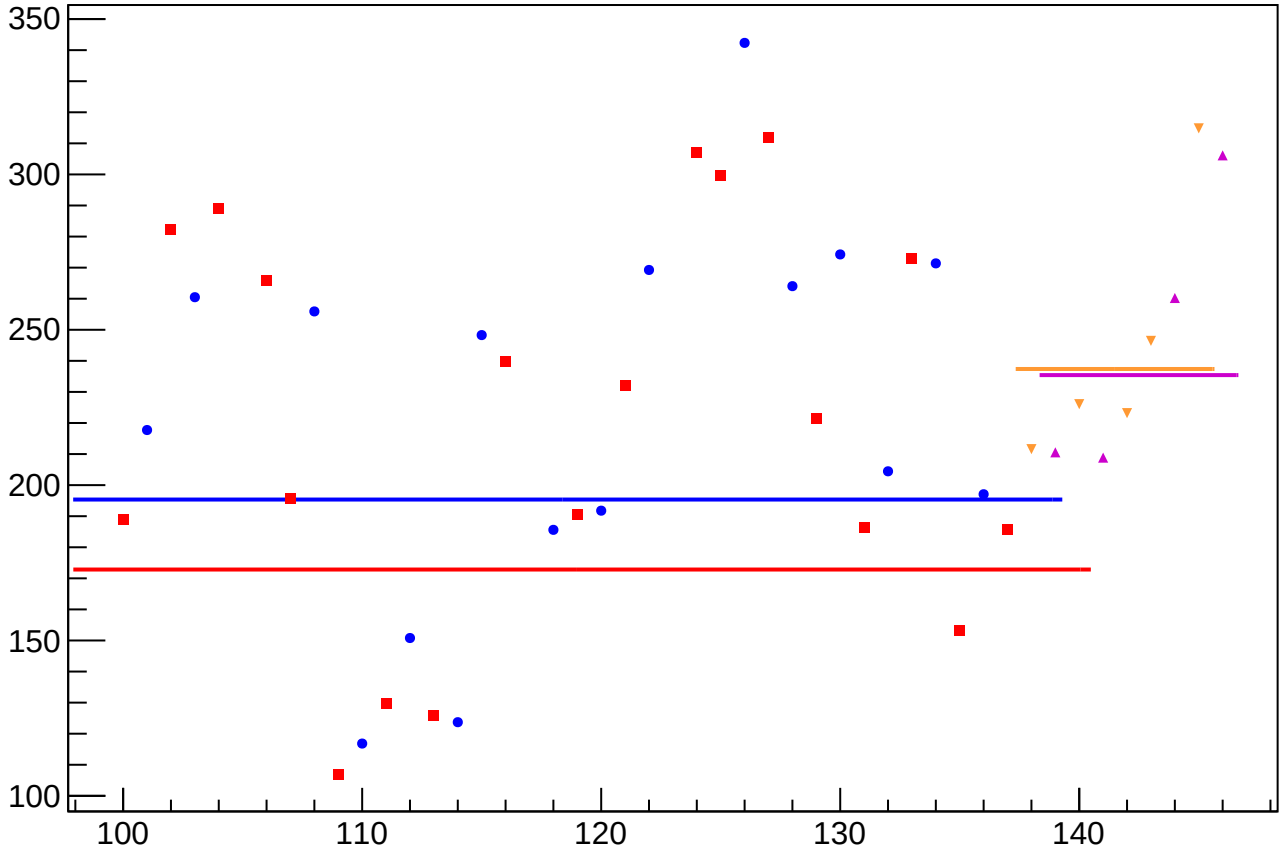
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 24.393+/-65.823 χ^2/NDF:20.5/19

Out: -47.494+/-60.255 χ^2/NDF:19.5/23

All: -14.719+/-44.445 χ^2/NDF: 40.6/43

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: 237.383+/-0.089 χ^2/NDF:130161.9/4

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 235.413+/-0.090 χ^2/NDF:161972.0/3

Left: 236.413+/-0.063 χ^2/NDF: 292374.9/8

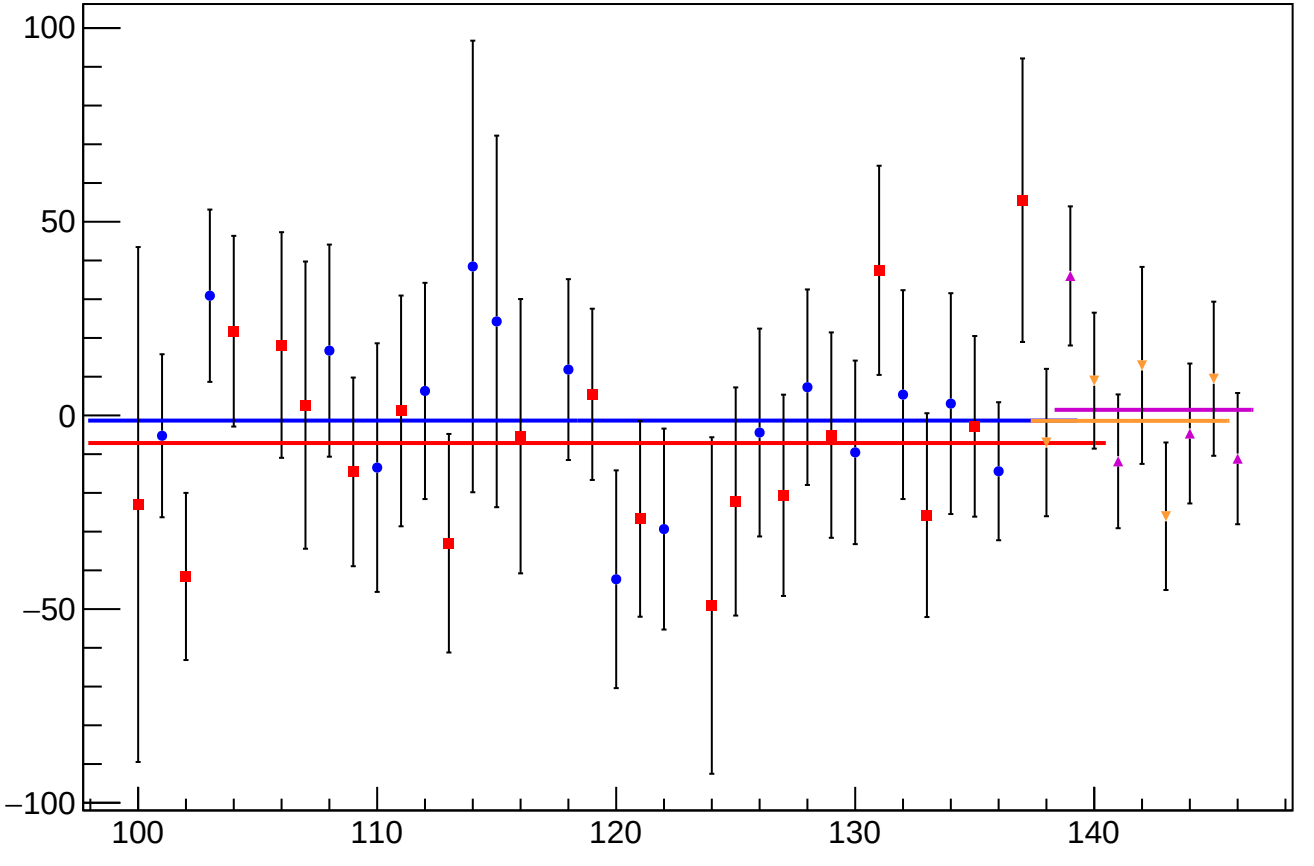
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 205.991+/-0.047 χ^2/NDF:1347778.4/19

Out: 187.621+/-0.043 χ^2/NDF:2194860.0/23

All: 195.996+/-0.031 χ^2/NDF: 3627386.2/43

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: -1.408+/-8.825 χ^2/NDF:2.7/4

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 1.444+/-8.769 χ^2/NDF:5.0/3

Left: 0.027+/-6.220 χ^2/NDF: 7.7/8

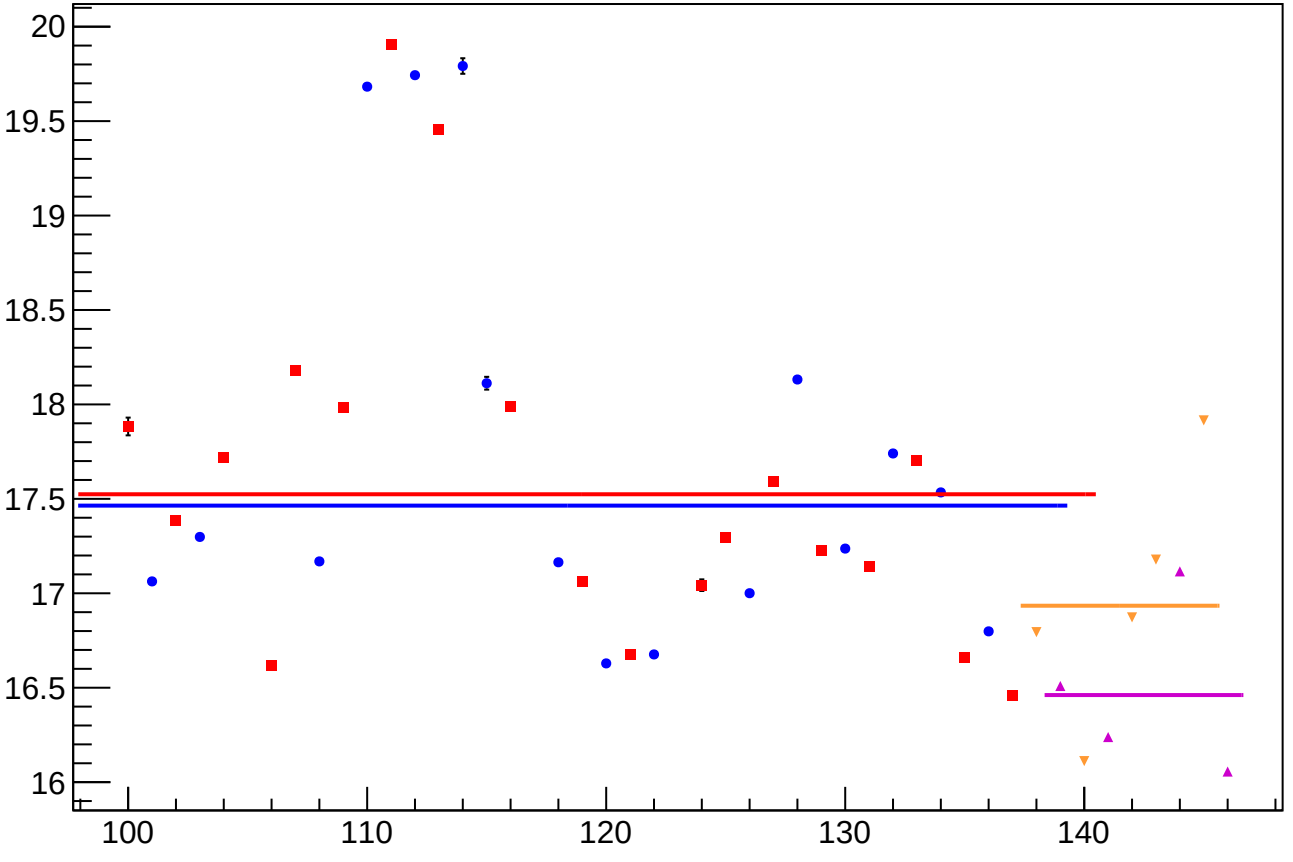
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: -0.347+/-5.221 χ^2/NDF:13.1/19

Out: -5.155+/-5.182 χ^2/NDF:17.4/23

All: -2.769+/-3.678 χ^2/NDF: 30.9/43

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: 16.934+/-0.006 χ^2/NDF:9710.5/4

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.461+/-0.006 χ^2/NDF:4117.9/3

Left: 16.696+/-0.004 χ^2/NDF: 16719.2/8

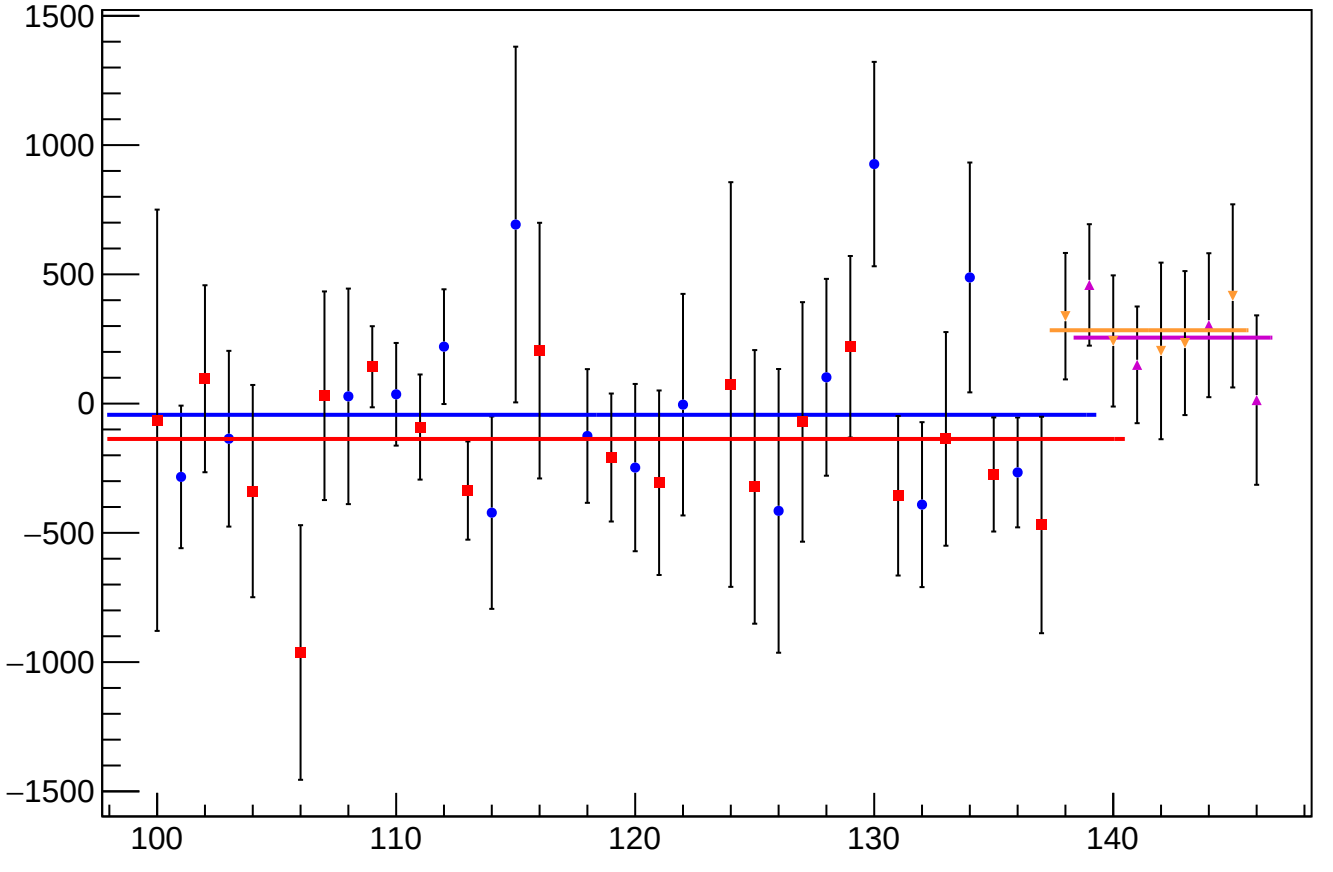
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 17.109+/-0.004 χ^2/NDF:57657.9/19

Out: 17.321+/-0.004 χ^2/NDF:50297.0/23

All: 17.216+/-0.003 χ^2/NDF: 109619.5/43

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 283.769+/-127.328 χ^2/NDF:0.3/4

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 255.205+/-129.140 χ^2/NDF:1.5/3

Left: 269.689+/-90.668 χ^2/NDF: 1.9/8

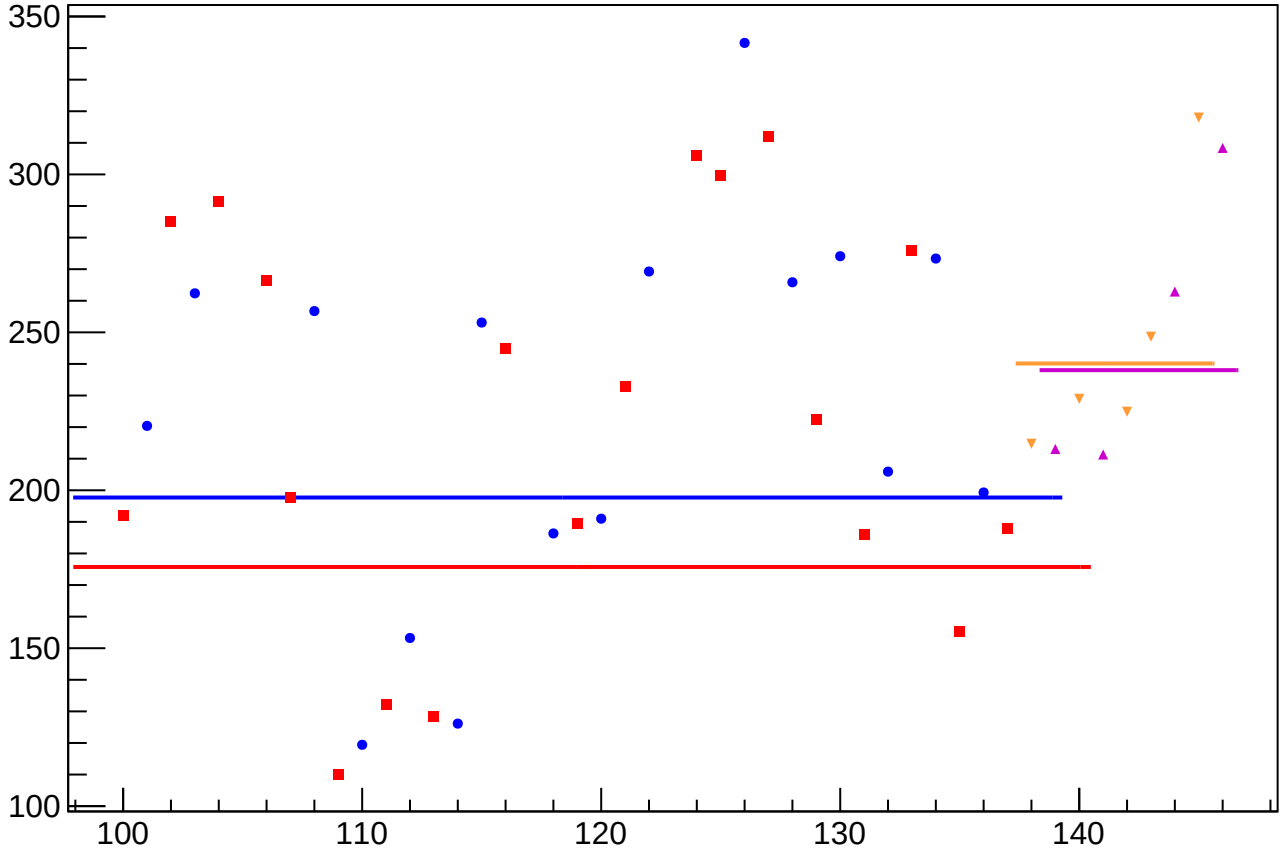
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 35.805+/-66.505 χ^2/NDF:20.9/19

Out: -40.122+/-61.042 χ^2/NDF:20.2/23

All: -5.404+/-44.971 χ^2/NDF: 41.9/43

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: 240.138+/-0.090 χ^2/NDF:127904.8/4

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 238.028+/-0.091 χ^2/NDF:158730.0/3

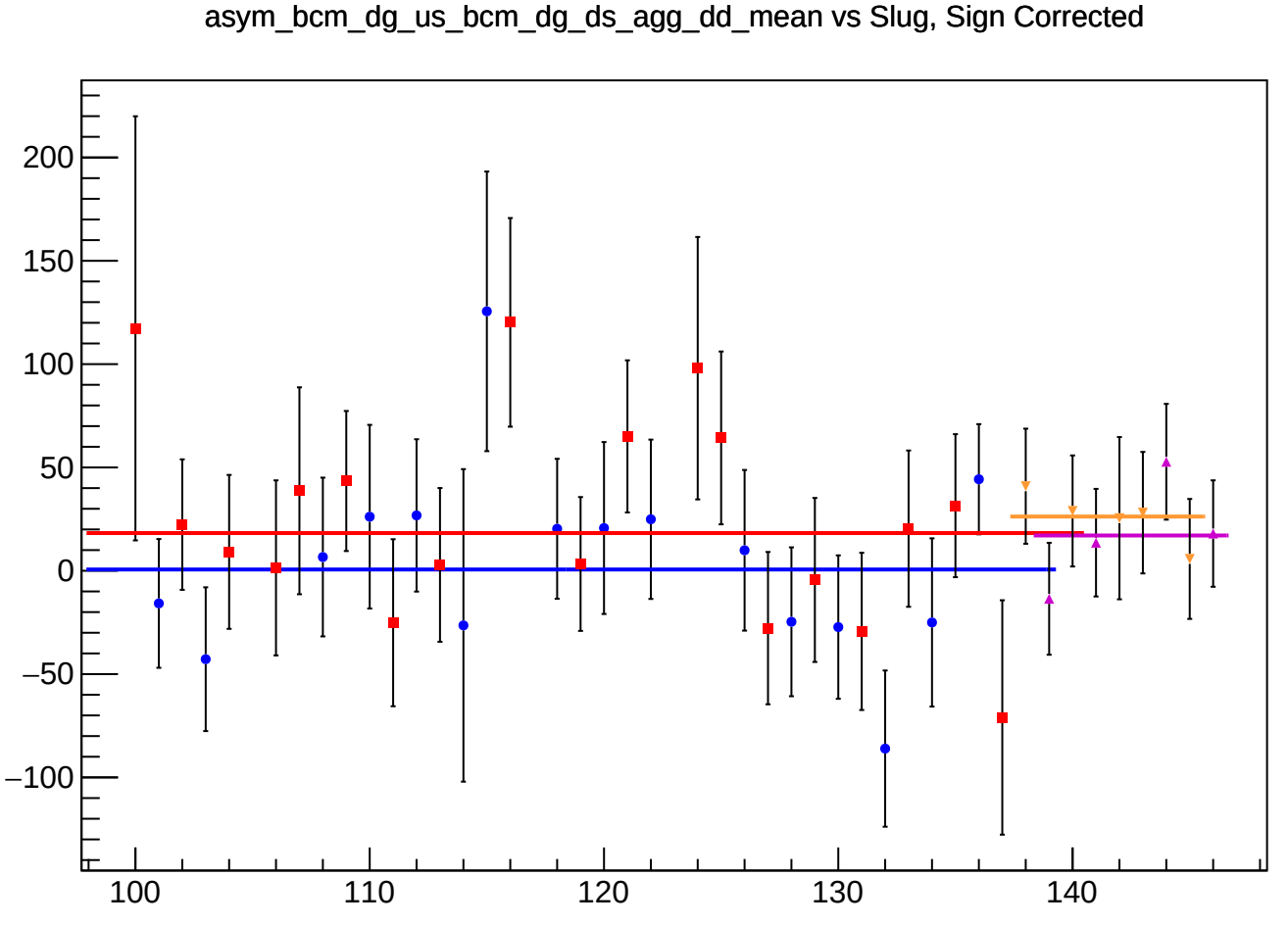
Left: 239.098+/-0.064 χ^2/NDF: 286905.4/8

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

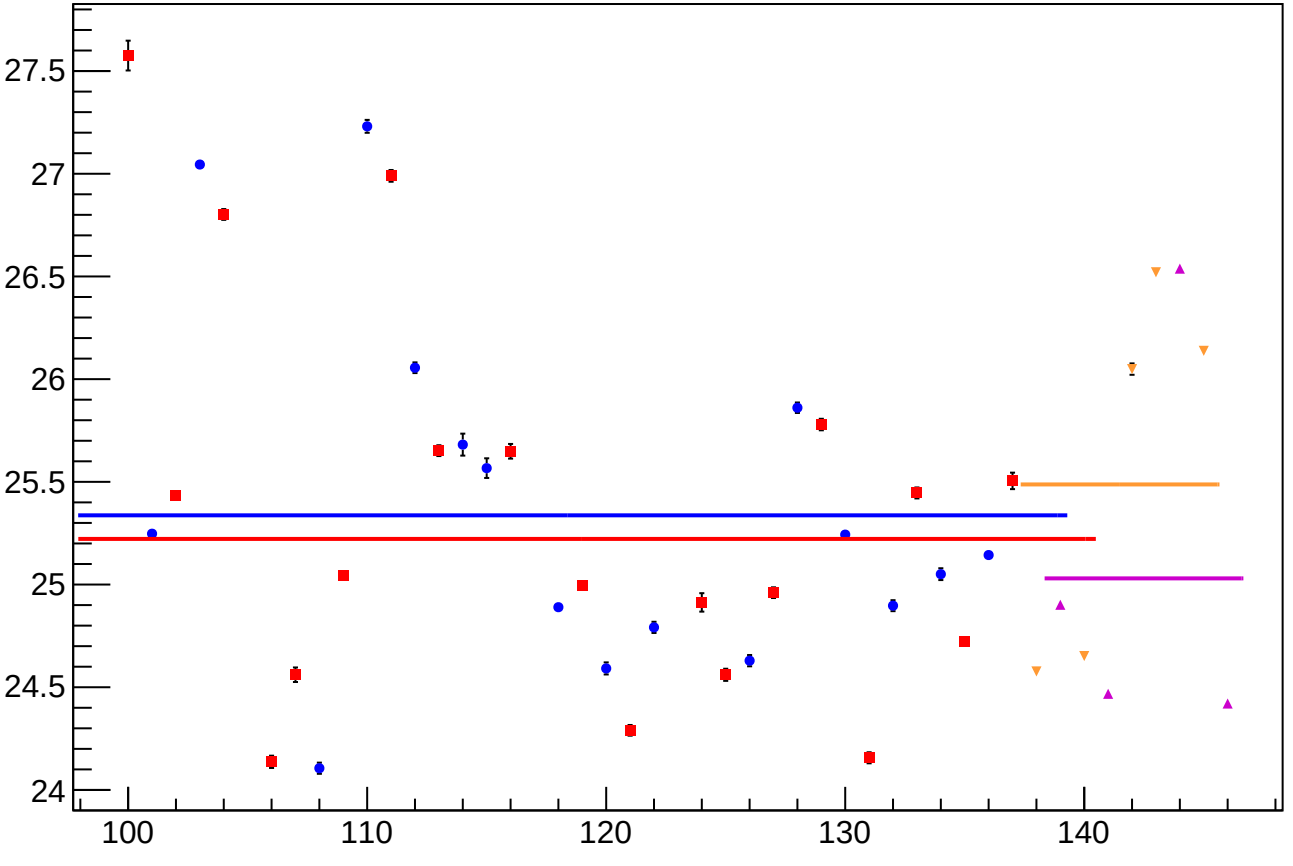
In: 208.401+/-0.047 χ^2/NDF:1302318.4/19

Out: 190.522+/-0.043 χ^2/NDF:2112777.5/23

All: 198.697+/-0.032 χ^2/NDF: 3493545.4/43


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 26.241+/-13.282 χ²/NDF:0.8/4
Right Out: 18.248+/-9.208 χ²/NDF: 18.0/18
Left In: 17.076+/-13.338 χ²/NDF:2.9/3
Left: 21.678+/-9.411 χ²/NDF: 3.9/8
Right: 9.635+/-6.585 χ²/NDF: 36.5/34
In: 6.097+/-7.695 χ²/NDF:20.7/19
Out: 20.843+/-7.568 χ²/NDF:19.0/23
All: 13.593+/-5.396 χ²/NDF: 41.6/43

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: 25.487+/-0.009 χ^2/NDF:7955.7/4

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.030+/-0.009 χ^2/NDF:7894.4/3

Left: 25.260+/-0.007 χ^2/NDF: 17031.2/8

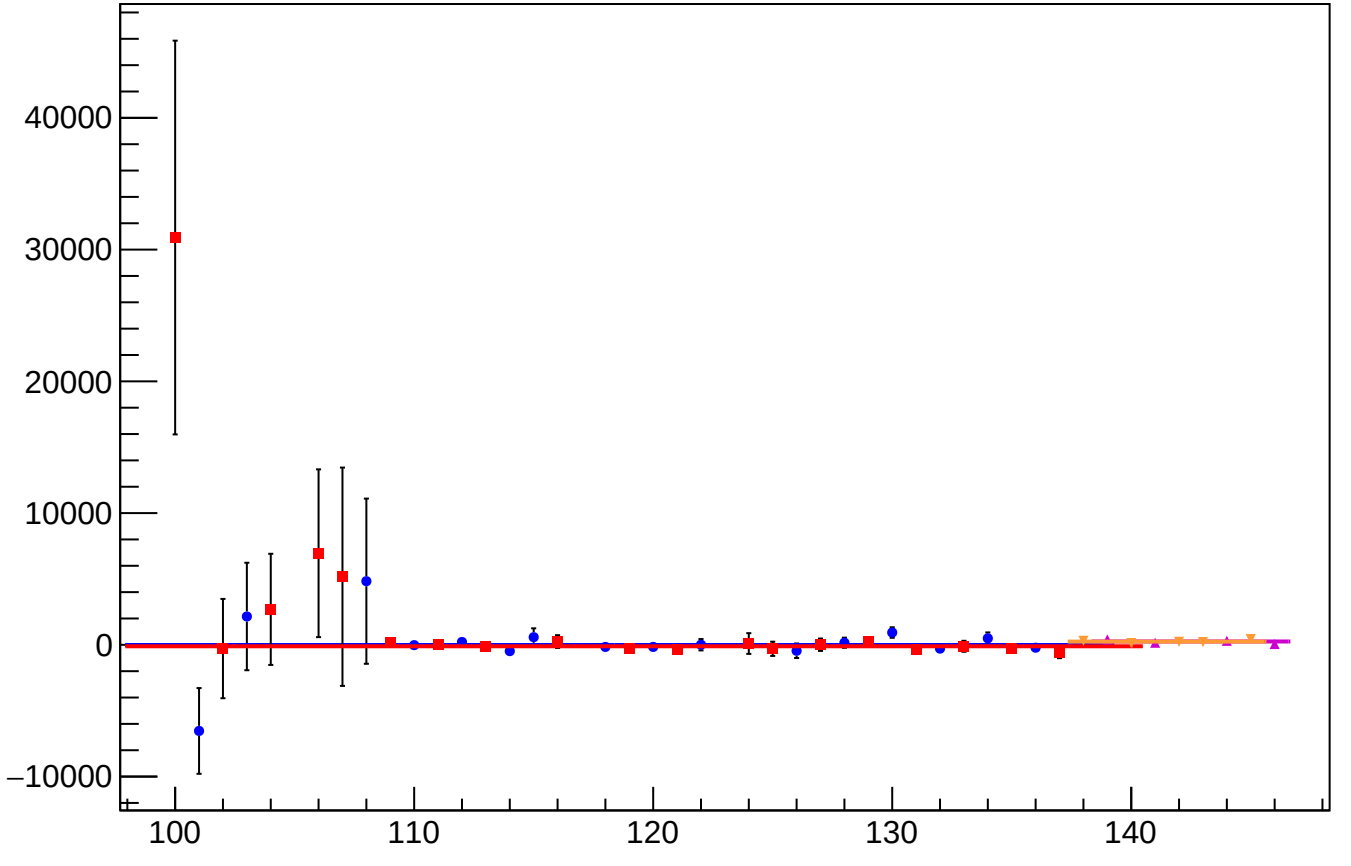
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.235+/-0.005 χ^2/NDF:22916.4/19

Out: 25.308+/-0.005 χ^2/NDF:23718.9/23

All: 25.272+/-0.004 χ^2/NDF: 46728.0/43

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: 246.485+/-127.995 χ^2/NDF:0.6/4

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 254.875+/-129.074 χ^2/NDF:1.0/3

Left: 250.645+/-90.885 χ^2/NDF: 1.6/8

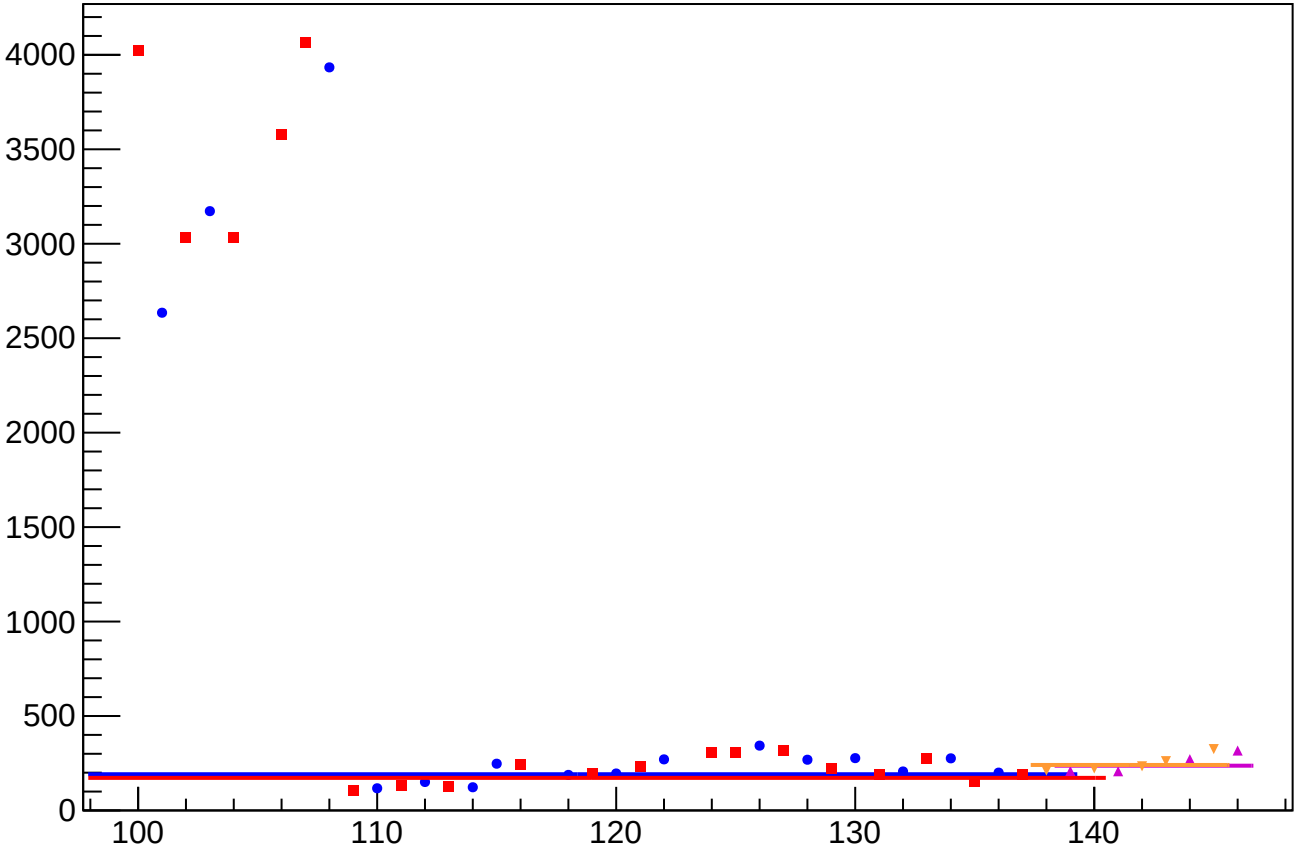
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 65.919+/-70.815 χ^2/NDF:22.4/19

Out: -12.429+/-66.668 χ^2/NDF:20.2/23

All: 24.384+/-48.541 χ^2/NDF: 43.3/43

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: 240.806+/-0.091 χ^2/NDF:160248.1/4

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 236.976+/-0.091 χ^2/NDF:206831.7/3

Left: 238.907+/-0.064 χ^2/NDF: 367967.7/8

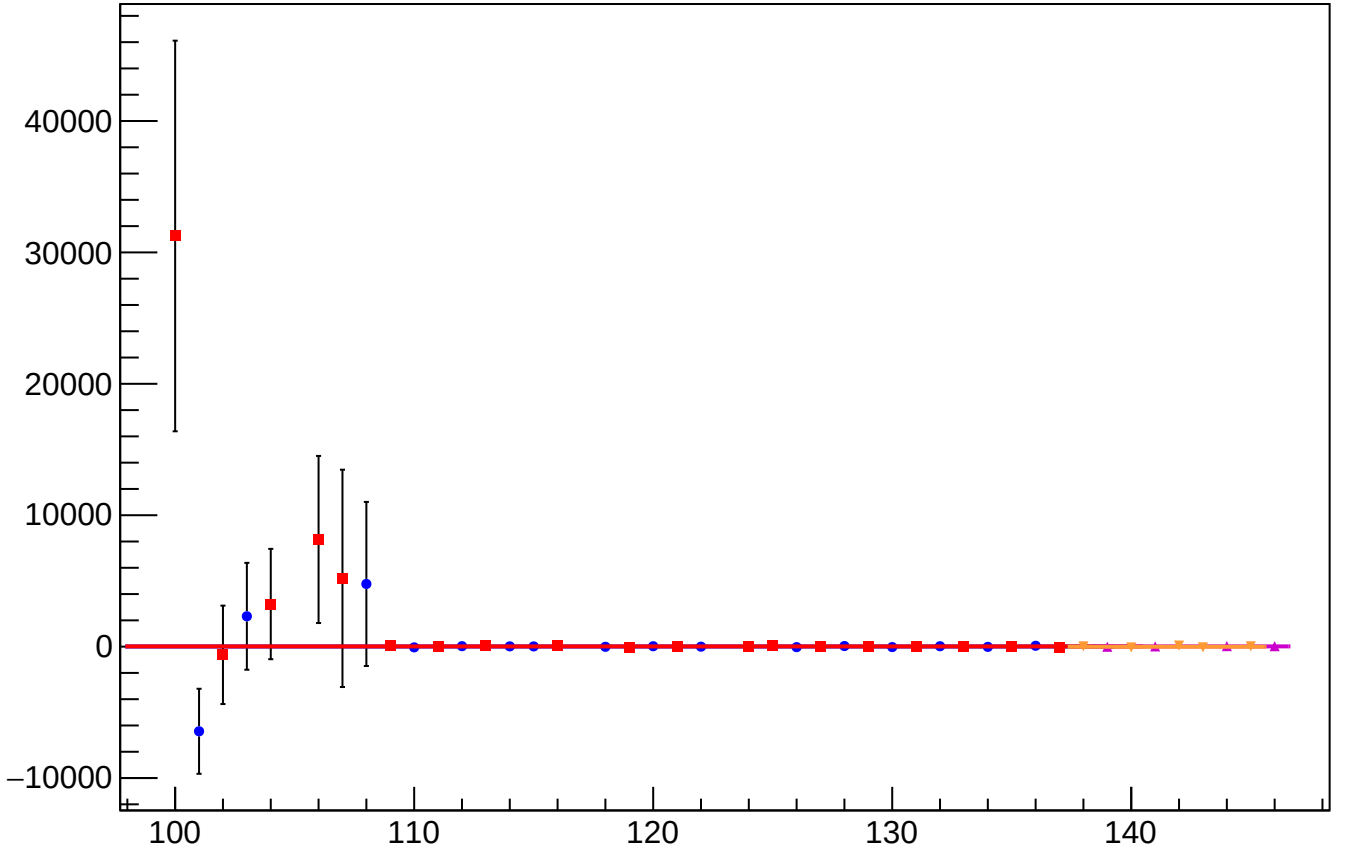
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 205.353+/-0.050 χ^2/NDF:4200381.3/19

Out: 191.004+/-0.047 χ^2/NDF:4878899.5/23

All: 197.746+/-0.034 χ^2/NDF: 9122813.9/43

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -6.979+/-15.411 χ^2/NDF:10.0/4

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 18.750+/-15.511 χ^2/NDF:1.4/3

Left: 5.803+/-10.932 χ^2/NDF: 12.7/8

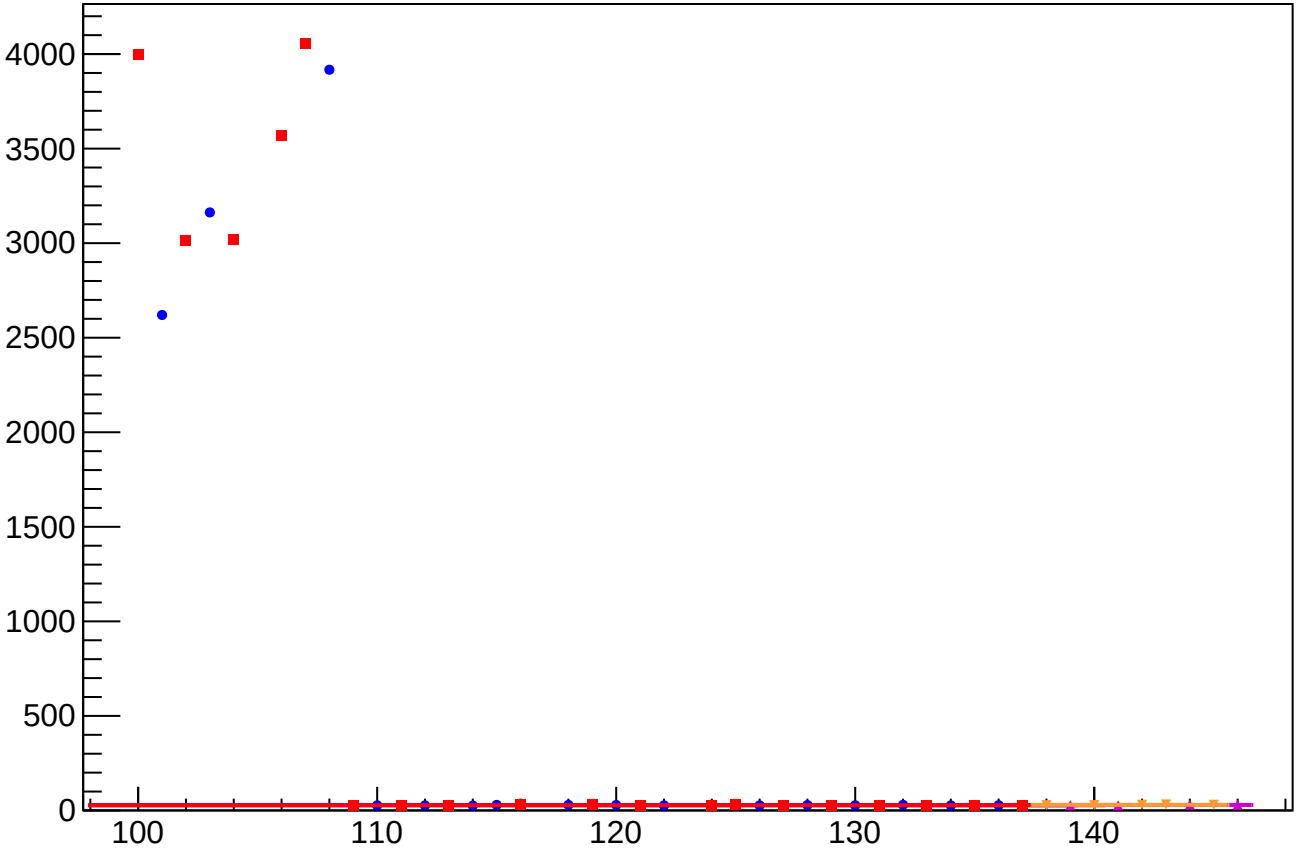
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 12.898+/-9.333 χ^2/NDF:17.6/19

Out: 8.829+/-9.371 χ^2/NDF:36.4/23

All: 10.872+/-6.613 χ^2/NDF: 54.1/43

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: 29.438+/-0.011 χ^2/NDF:17604.6/4

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.050+/-0.011 χ^2/NDF:22675.5/3

Left: 29.246+/-0.008 χ^2/NDF: 40911.0/8

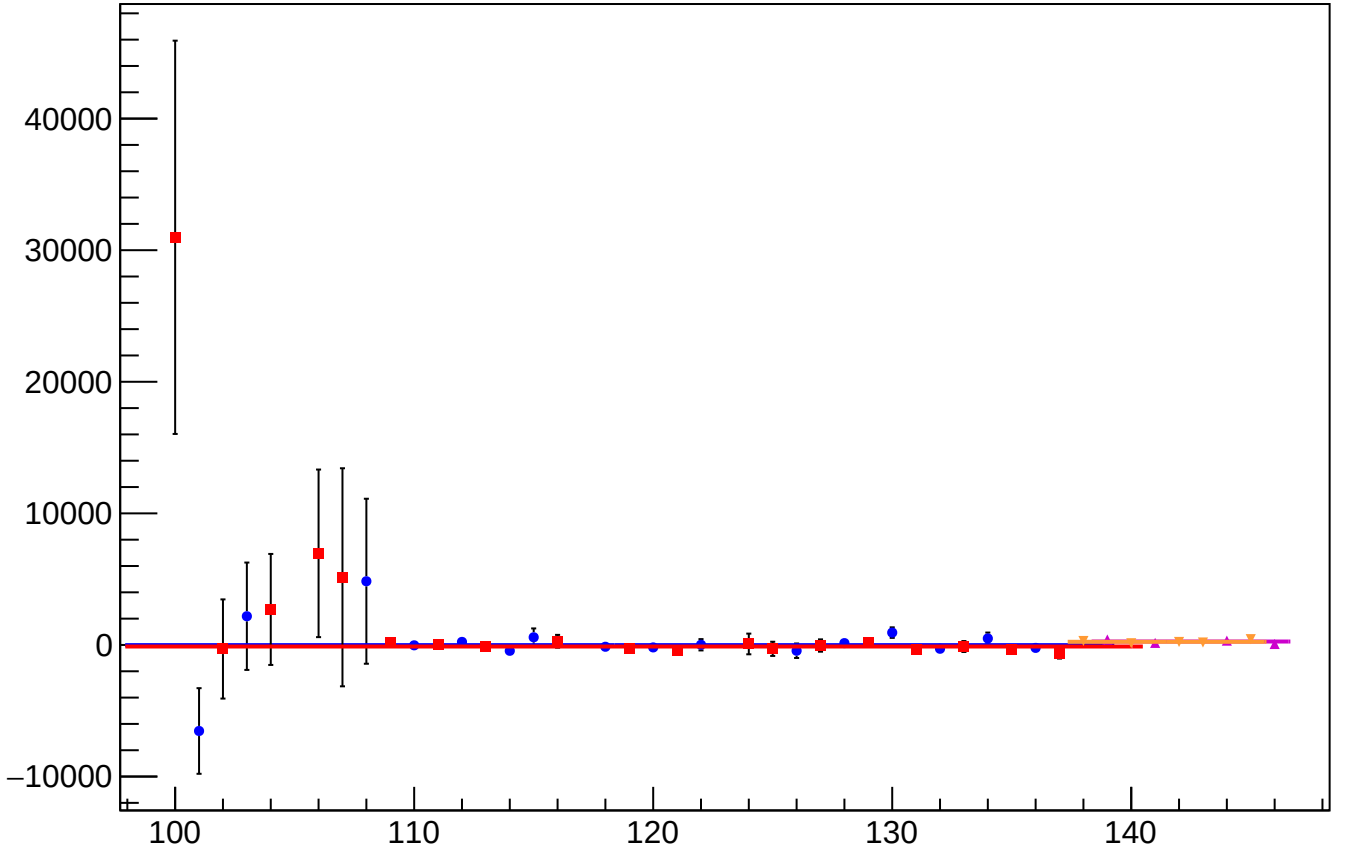
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.152+/-0.007 χ^2/NDF:3298695.3/19

Out: 28.239+/-0.007 χ^2/NDF:3592070.4/23

All: 28.195+/-0.005 χ^2/NDF: 6890852.5/43

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: 240.490+/-127.699 χ^2/NDF:0.6/4

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 261.152+/-128.794 χ^2/NDF:1.0/3

Left: 250.733+/-90.682 χ^2/NDF: 1.7/8

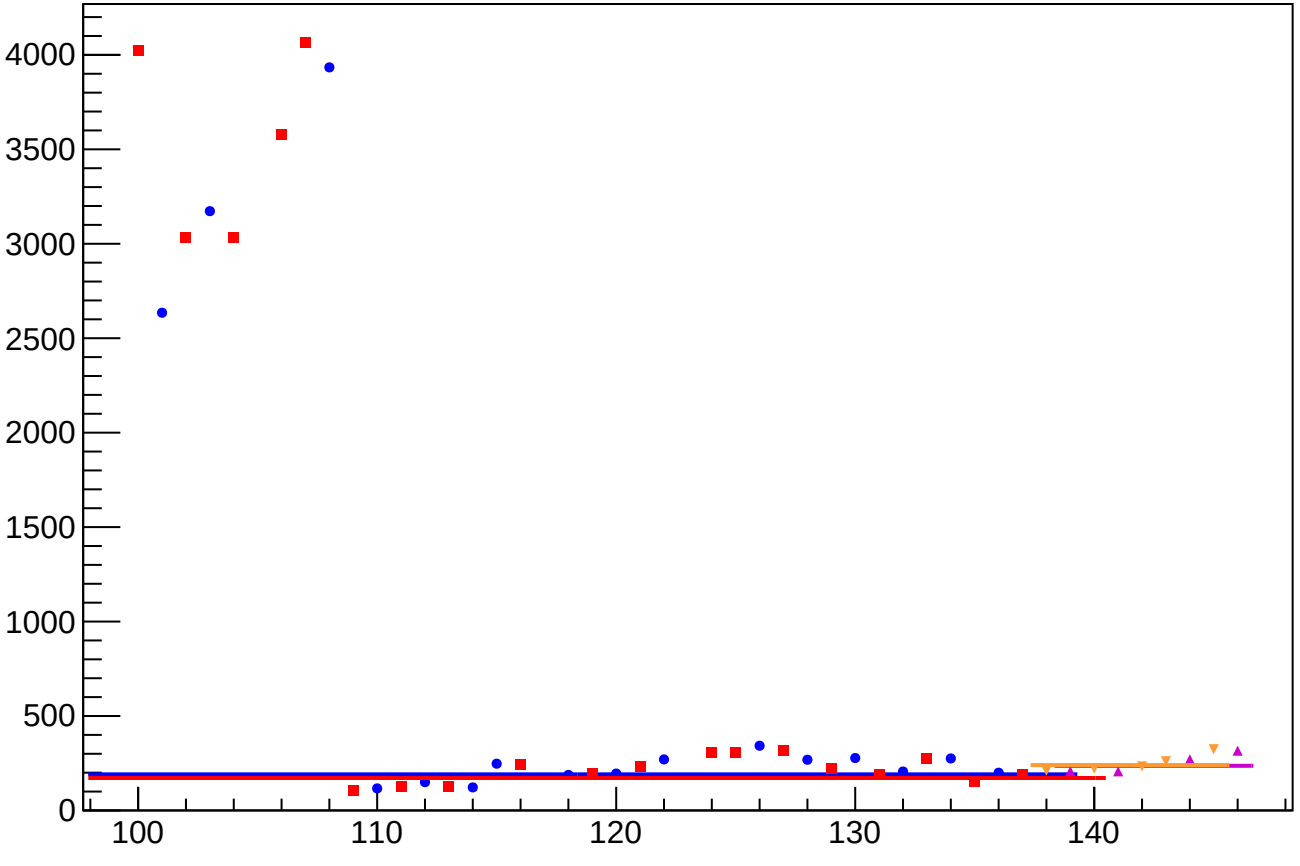
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 69.322+/-70.625 χ^2/NDF:22.5/19

Out: -20.889+/-66.479 χ^2/NDF:20.8/23

All: 21.492+/-48.407 χ^2/NDF: 44.2/43

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: 240.243+/-0.090 χ^2/NDF:160659.2/4

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 236.461+/-0.091 χ^2/NDF:206846.3/3

Left: 238.368+/-0.064 χ^2/NDF: 368375.4/8

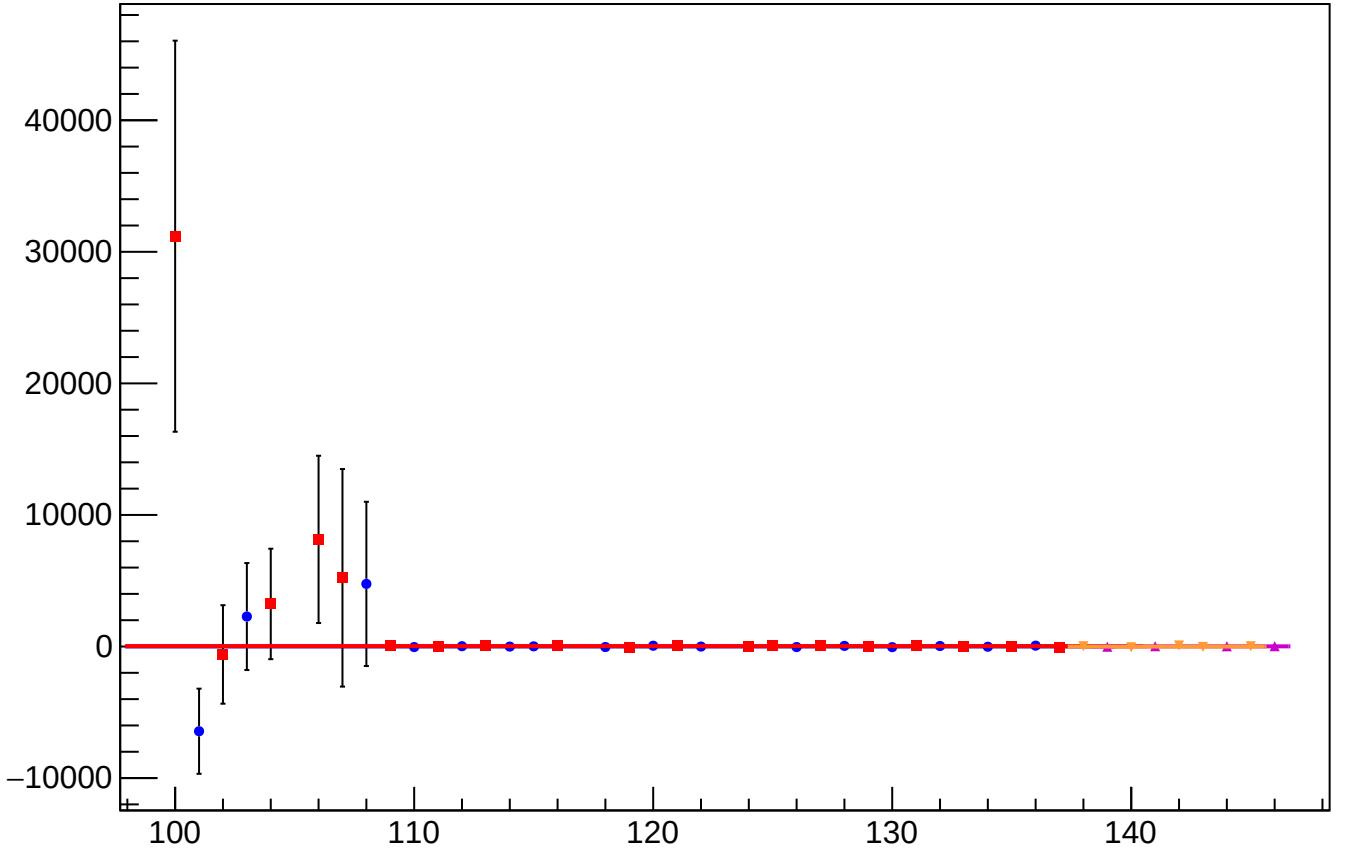
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 204.718+/-0.050 χ^2/NDF:4214517.9/19

Out: 190.375+/-0.047 χ^2/NDF:4893776.5/23

All: 197.113+/-0.034 χ^2/NDF: 9152034.7/43

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -3.743+/-15.505 χ^2/NDF:8.1/4

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 12.373+/-15.601 χ^2/NDF:1.1/3

Left: 4.265+/-10.998 χ^2/NDF: 9.8/8

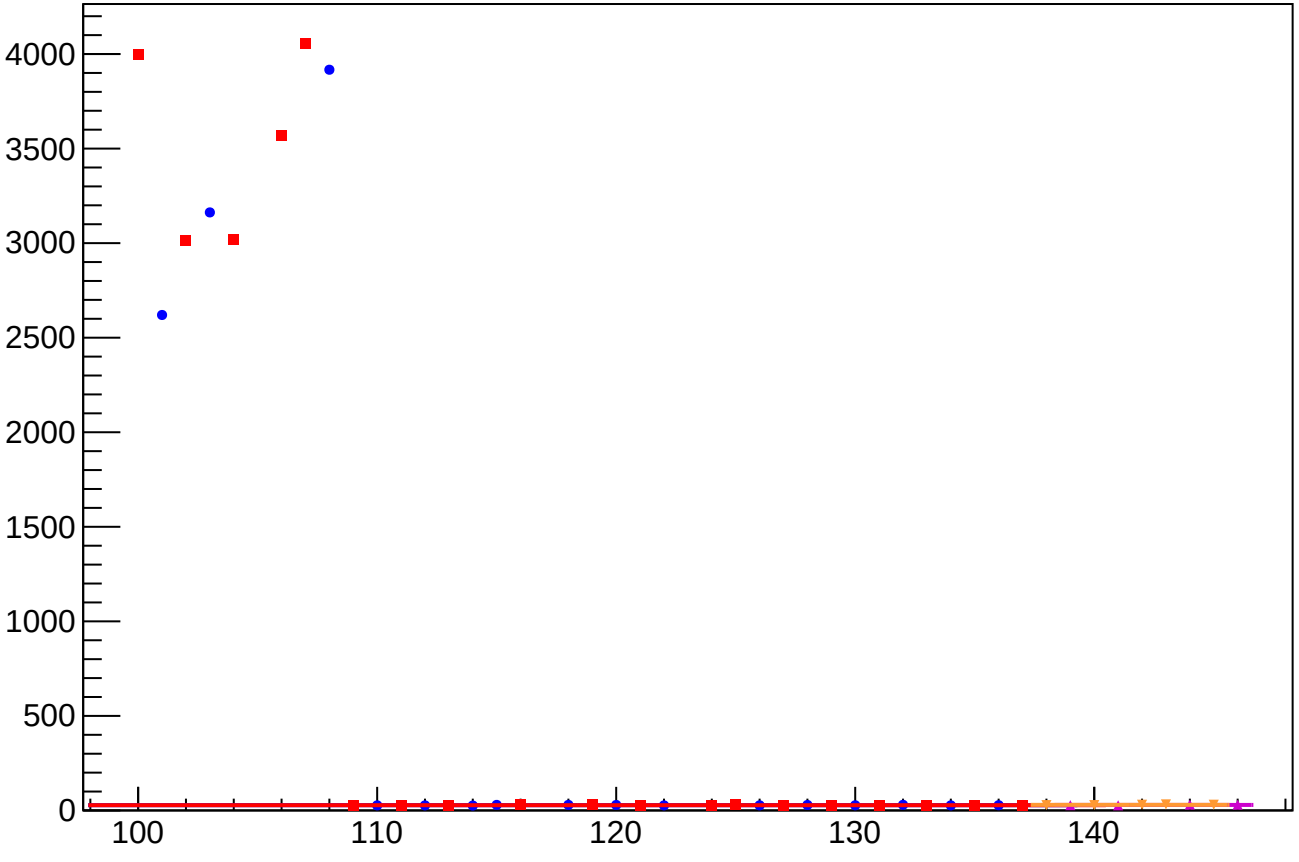
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 8.623+/-9.393 χ^2/NDF:19.5/19

Out: 18.095+/-9.441 χ^2/NDF:31.1/23

All: 13.335+/-6.659 χ^2/NDF: 51.2/43

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: 29.614+/-0.011 χ^2/NDF:18102.3/4

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.212+/-0.011 χ^2/NDF:24997.6/3

Left: 29.415+/-0.008 χ^2/NDF: 43768.5/8

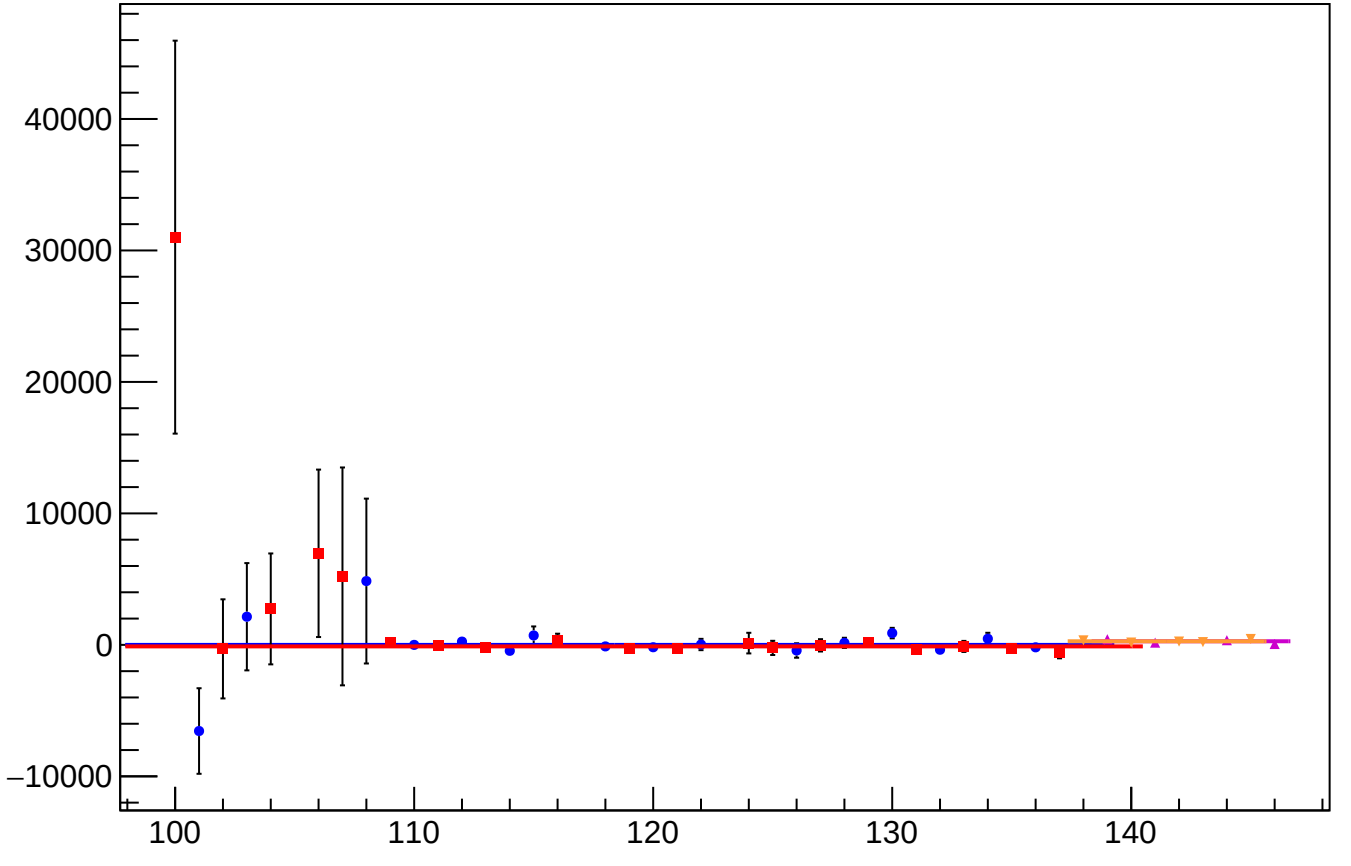
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.328+/-0.007 χ^2/NDF:3300976.0/19

Out: 28.443+/-0.007 χ^2/NDF:3594906.8/23

All: 28.385+/-0.005 χ^2/NDF: 6896033.7/43

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: 272.944+/-129.417 χ^2/NDF:0.5/4

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 274.518+/-130.425 χ^2/NDF:1.1/3

Left: 273.725+/-91.866 χ^2/NDF: 1.6/8

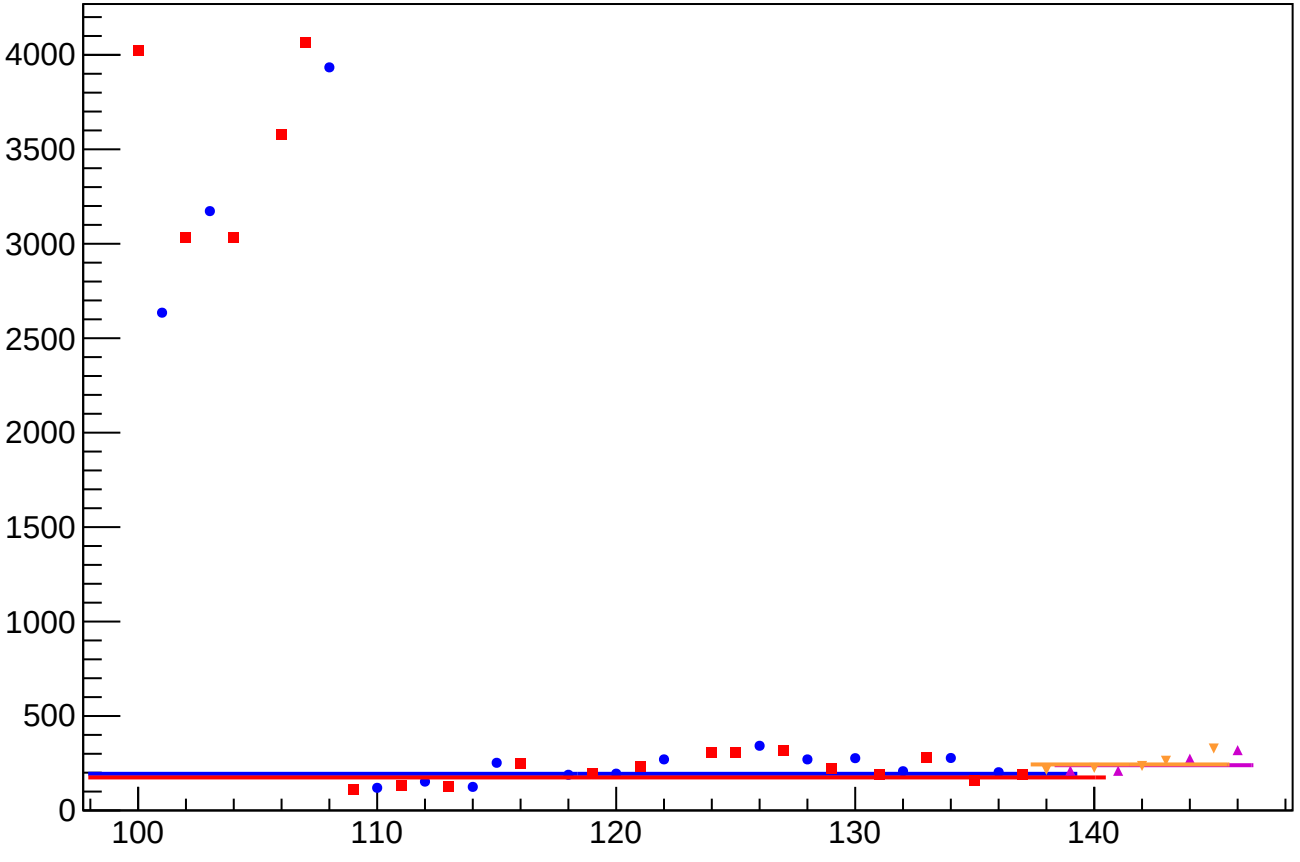
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 80.568+/-71.510 χ^2/NDF:22.5/19

Out: -10.326+/-67.400 χ^2/NDF:20.9/23

All: 32.434+/-49.048 χ^2/NDF: 44.3/43

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: 243.559+/-0.092 χ^2/NDF:156961.7/4

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 239.555+/-0.092 χ^2/NDF:203095.3/3

Left: 241.573+/-0.065 χ^2/NDF: 361006.8/8

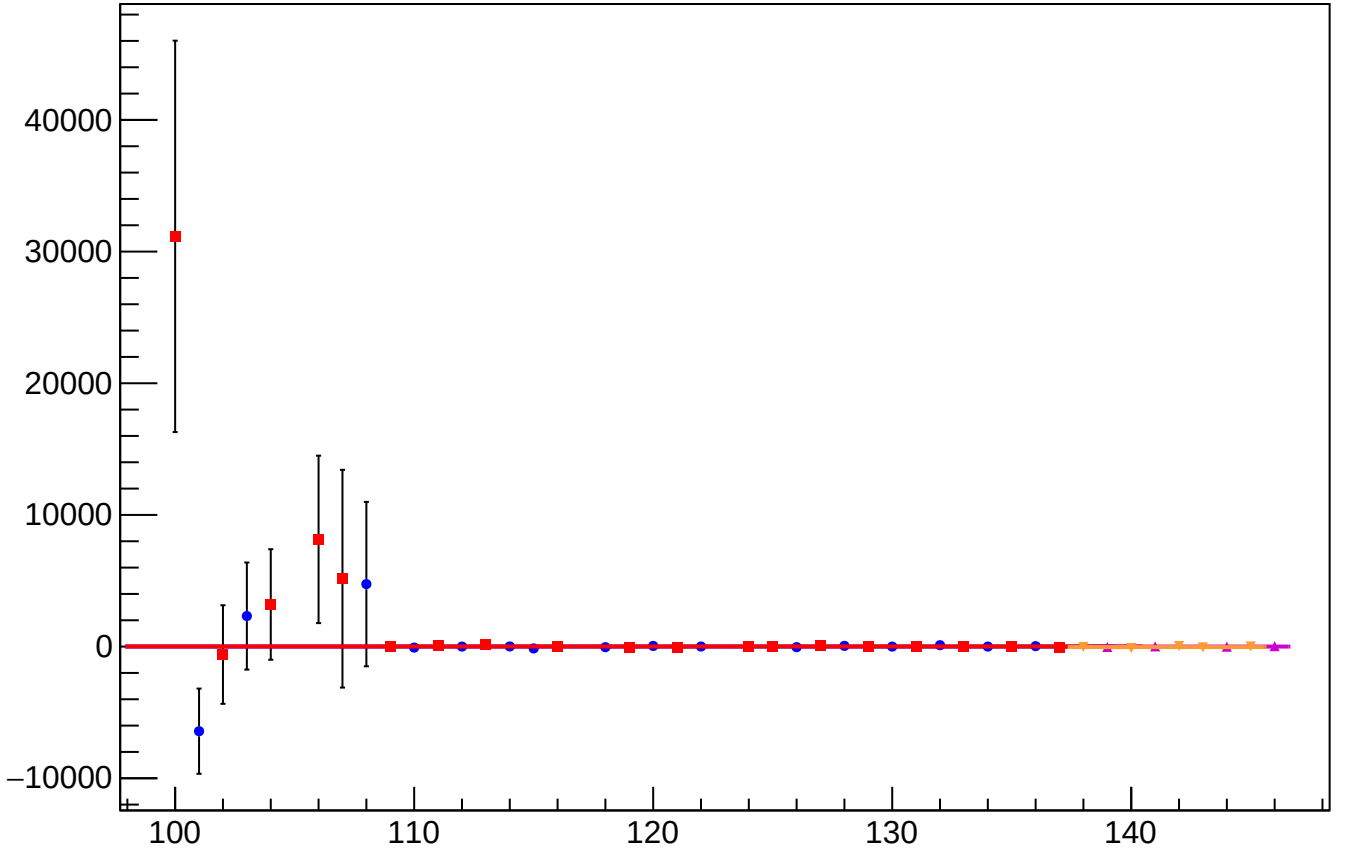
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 207.657+/-0.051 χ^2/NDF:4158610.4/19

Out: 193.435+/-0.048 χ^2/NDF:4827964.9/23

All: 200.125+/-0.035 χ^2/NDF: 9028468.7/43

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: -35.725+/-18.385 χ^2/NDF:7.5/4

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 3.241+/-18.527 χ^2/NDF:1.7/3

Left: -16.392+/-13.050 χ^2/NDF: 11.4/8

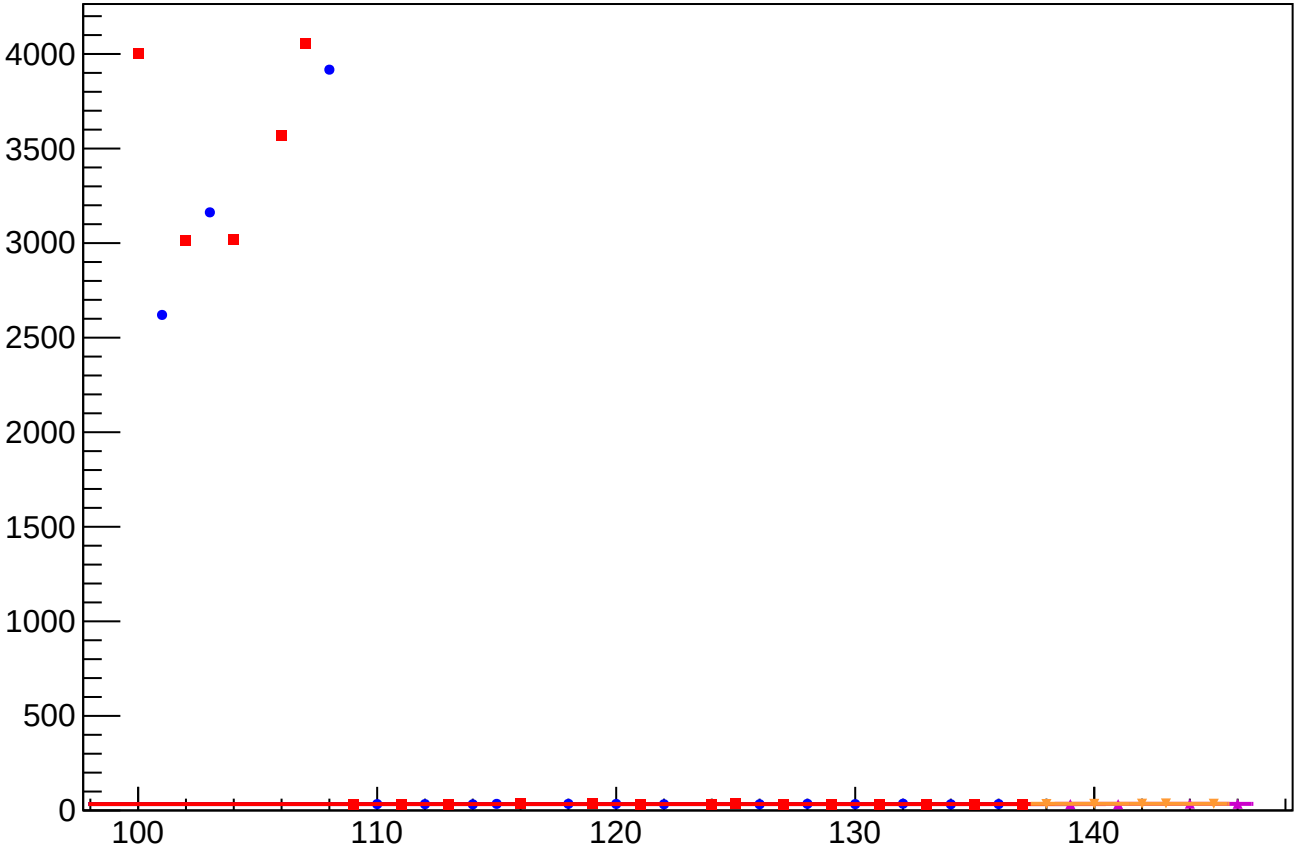
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 4.757+/-11.323 χ^2/NDF:19.1/19

Out: -7.432+/-11.353 χ^2/NDF:34.7/23

All: -1.322+/-8.017 χ^2/NDF: 54.5/43

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 35.212+/-0.013 χ^2/NDF:6224.5/4

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.767+/-0.013 χ^2/NDF:6764.5/3

Left: 34.992+/-0.009 χ^2/NDF: 13570.1/8

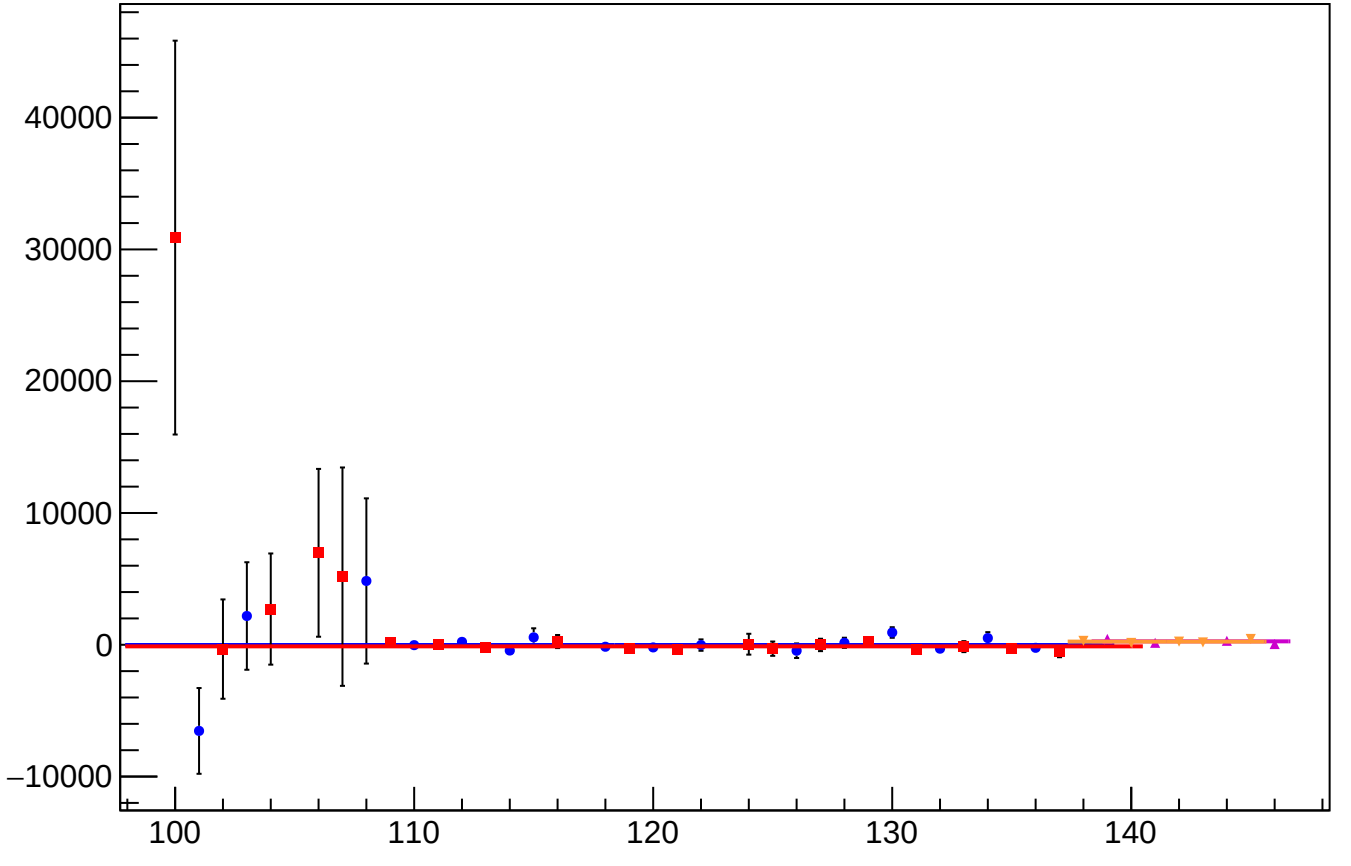
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.224+/-0.008 χ^2/NDF:3253896.5/19

Out: 34.293+/-0.008 χ^2/NDF:3540773.8/23

All: 34.258+/-0.006 χ^2/NDF: 6794707.5/43

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: 241.862+/-128.351 χ^2/NDF:0.6/4

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 260.272+/-129.456 χ^2/NDF:1.3/3

Left: 250.988+/-91.146 χ^2/NDF: 1.9/8

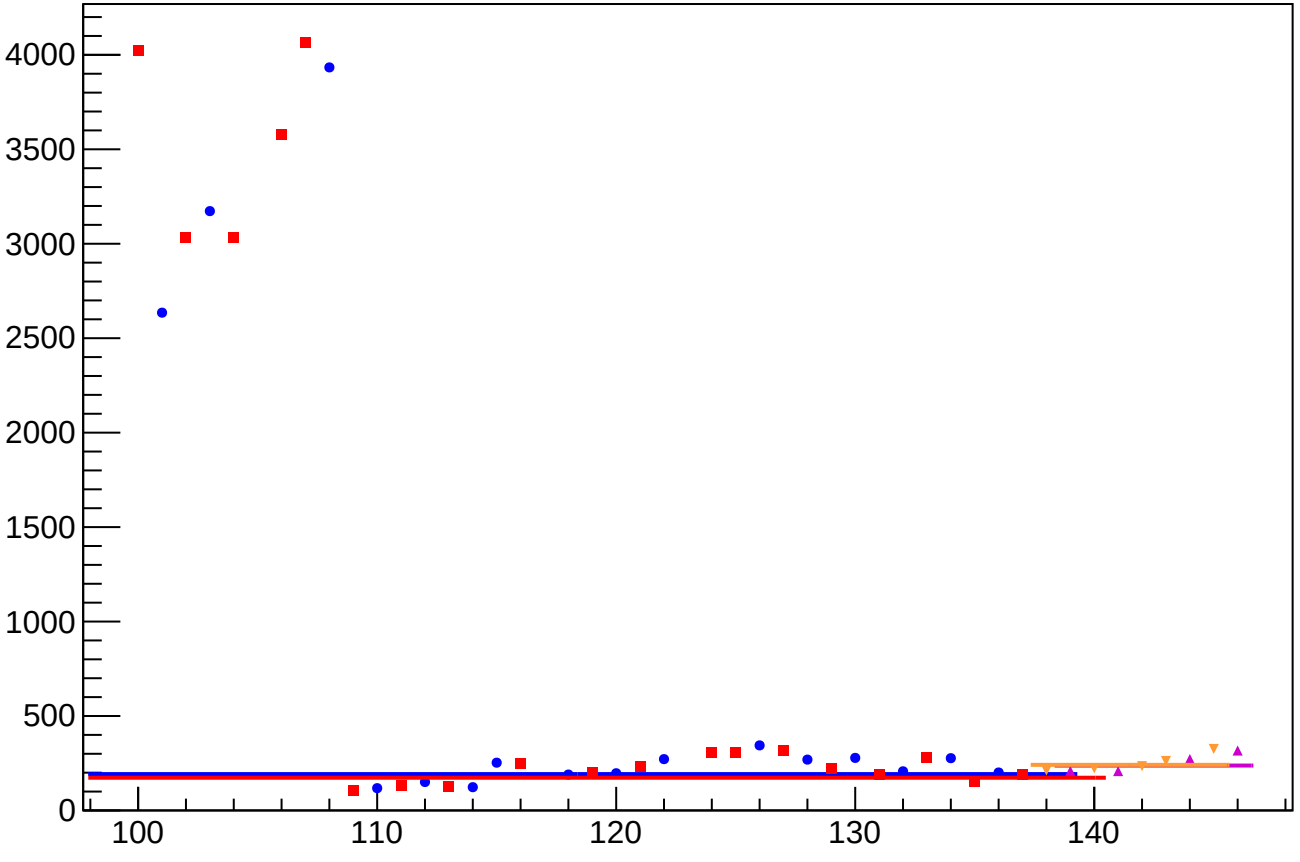
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 64.852+/-71.089 χ^2/NDF:22.7/19

Out: -21.516+/-66.940 χ^2/NDF:19.6/23

All: 19.074+/-48.735 χ^2/NDF: 43.1/43

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: 241.483+/-0.091 χ^2/NDF:160204.6/4

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 237.732+/-0.092 χ^2/NDF:204252.9/3

Left: 239.623+/-0.064 χ^2/NDF: 365304.5/8

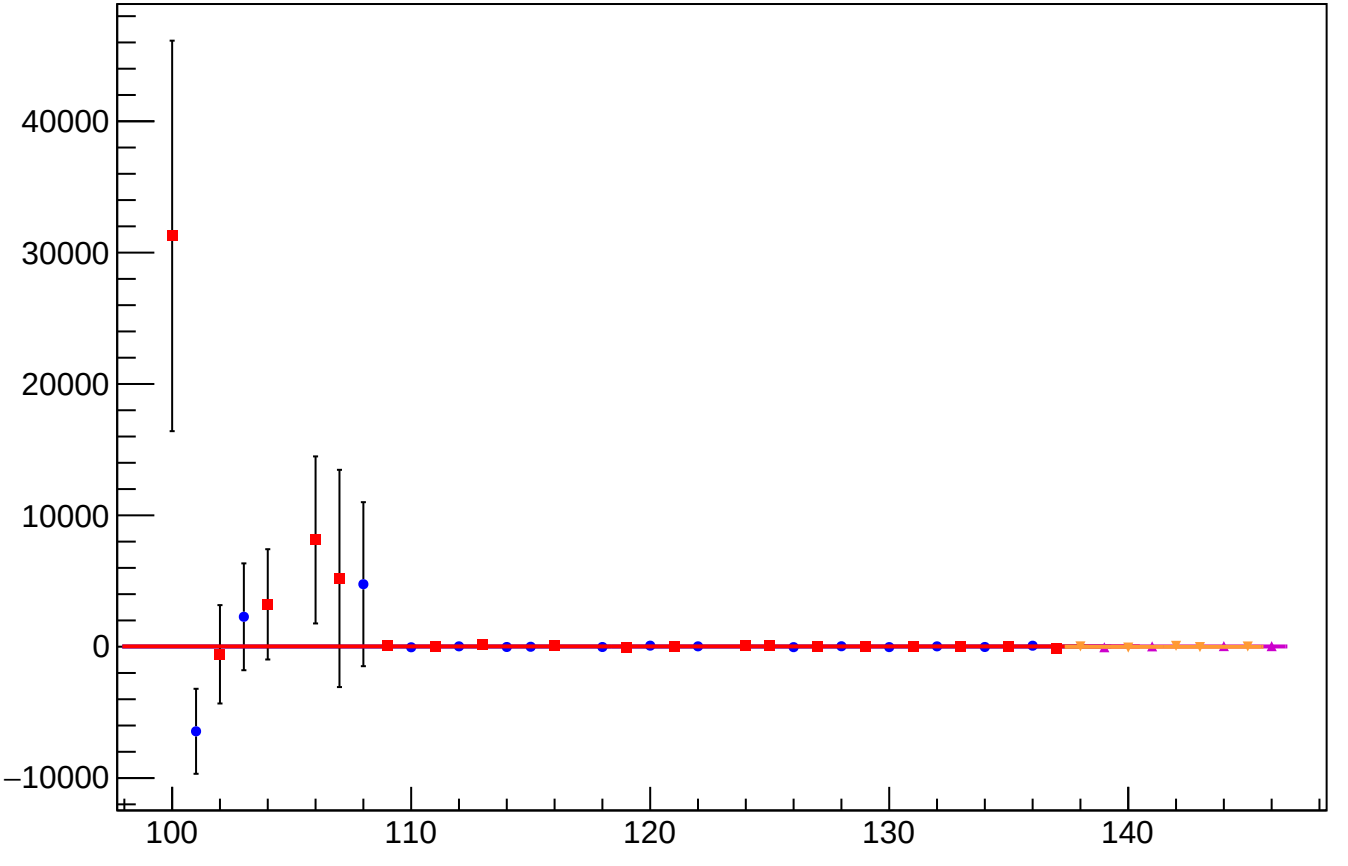
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 206.182+/-0.050 χ^2/NDF:4197120.5/19

Out: 191.809+/-0.047 χ^2/NDF:4879120.9/23

All: 198.564+/-0.034 χ^2/NDF: 9119574.7/43

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: -6.917+/-16.946 χ^2/NDF:6.5/4

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 18.422+/-16.965 χ^2/NDF:4.3/3

Left: 5.738+/-11.989 χ^2/NDF: 12.0/8

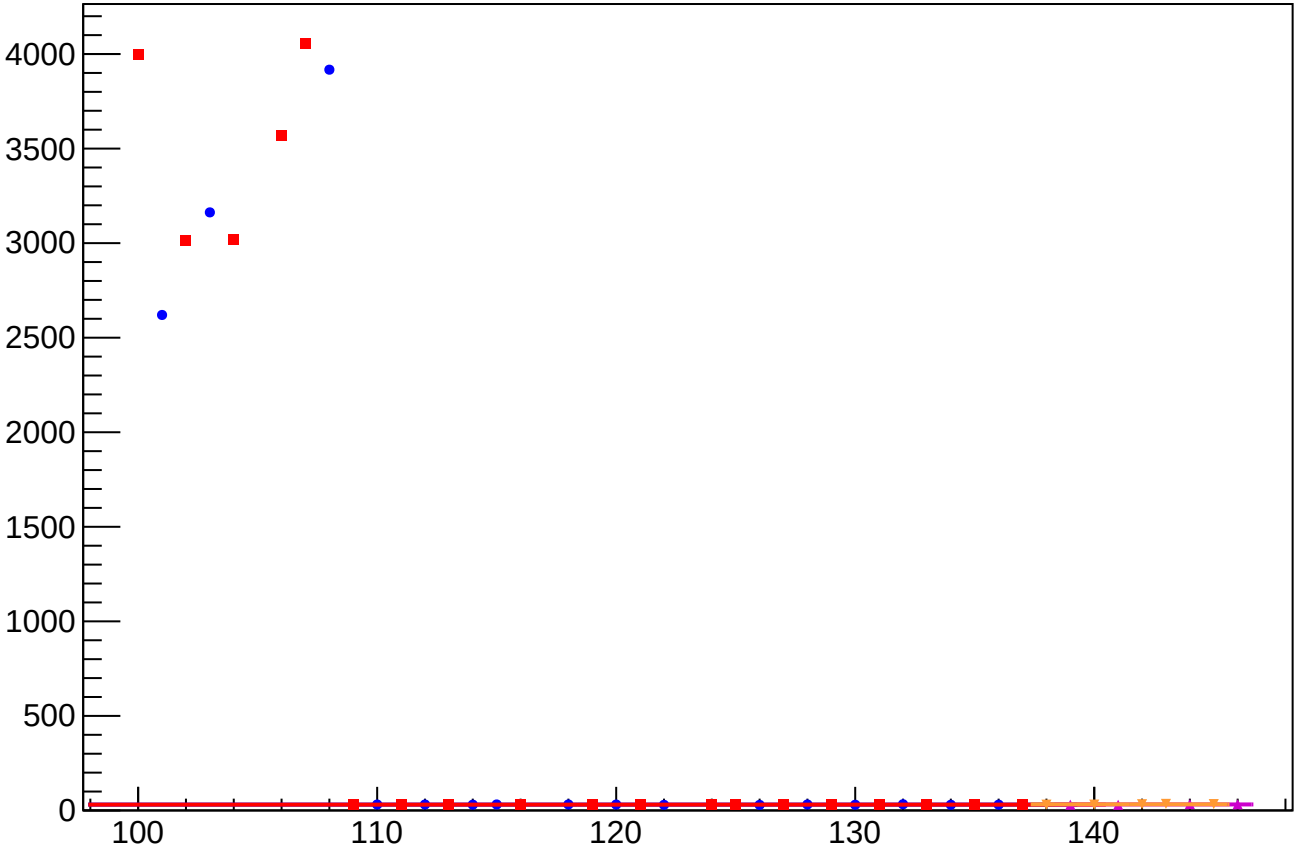
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 15.466+/-10.350 χ^2/NDF:19.8/19

Out: 11.866+/-10.404 χ^2/NDF:37.2/23

All: 13.675+/-7.338 χ^2/NDF: 57.1/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 32.401+/-0.012 χ^2/NDF:17658.3/4

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.803+/-0.012 χ^2/NDF:17552.1/3

Left: 32.102+/-0.008 χ^2/NDF: 36451.2/8

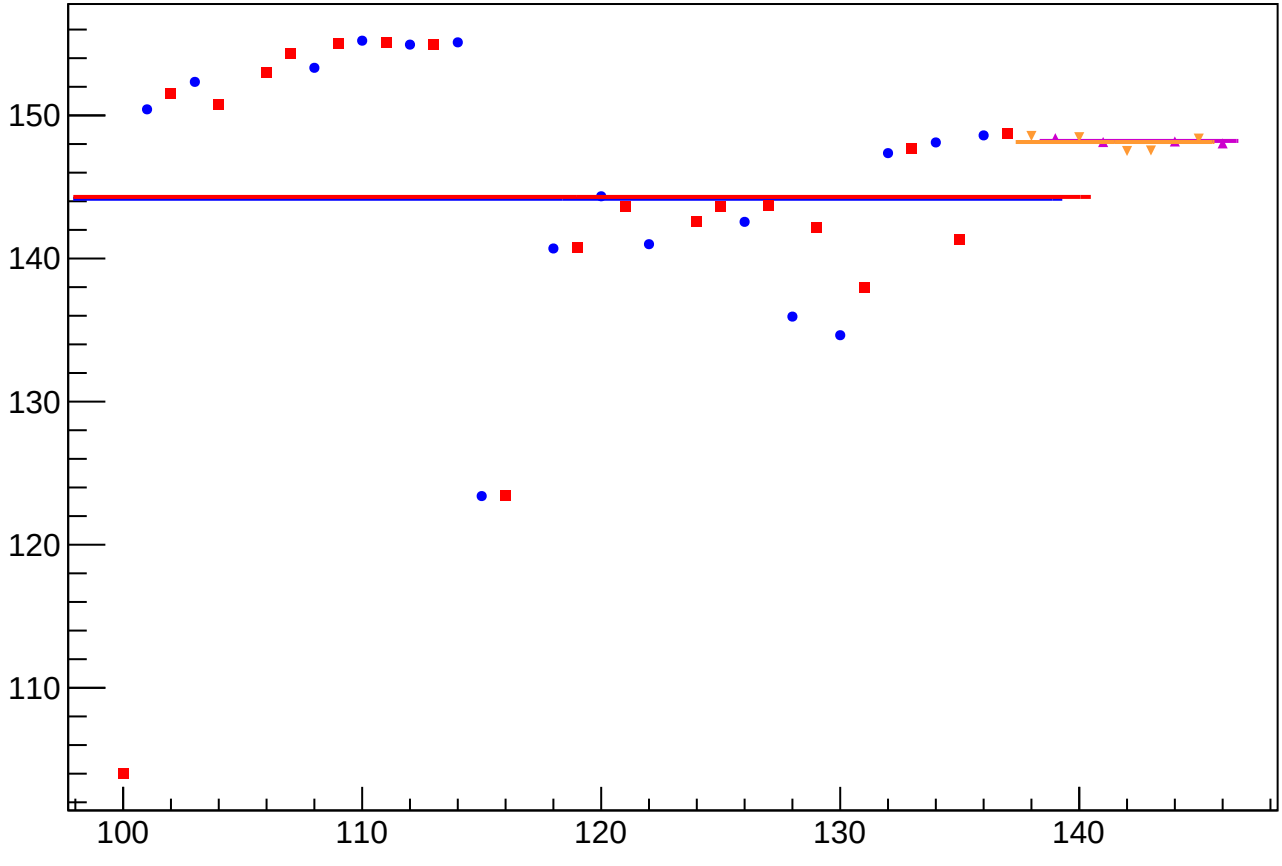
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.254+/-0.007 χ^2/NDF:3273500.7/19

Out: 31.389+/-0.007 χ^2/NDF:3565334.3/23

All: 31.321+/-0.005 χ^2/NDF: 6839004.2/43

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.142+/-0.000 χ^2/NDF:7772747.4/4

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.217+/-0.000 χ^2/NDF:423982.5/3

Left: 148.175+/-0.000 χ^2/NDF: 8289781.0/8

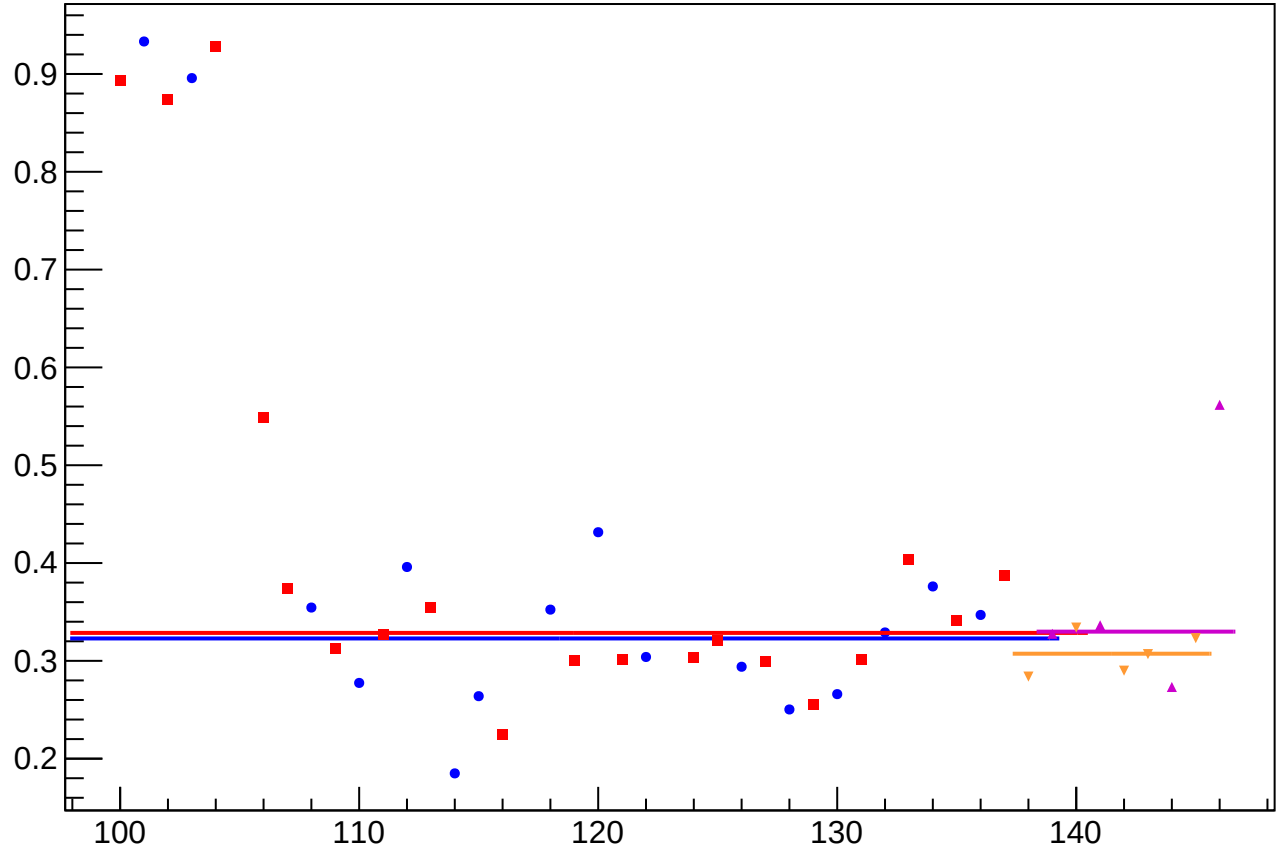
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.550+/-0.000 χ^2/NDF:4042016776.5/19

Out: 145.824+/-0.000 χ^2/NDF:4601488875.3/23

All: 145.692+/-0.000 χ^2/NDF: 8646874242.1

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.307+/-0.000 χ^2/NDF:27346.7/4

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.330+/-0.000 χ^2/NDF:362901.2/3

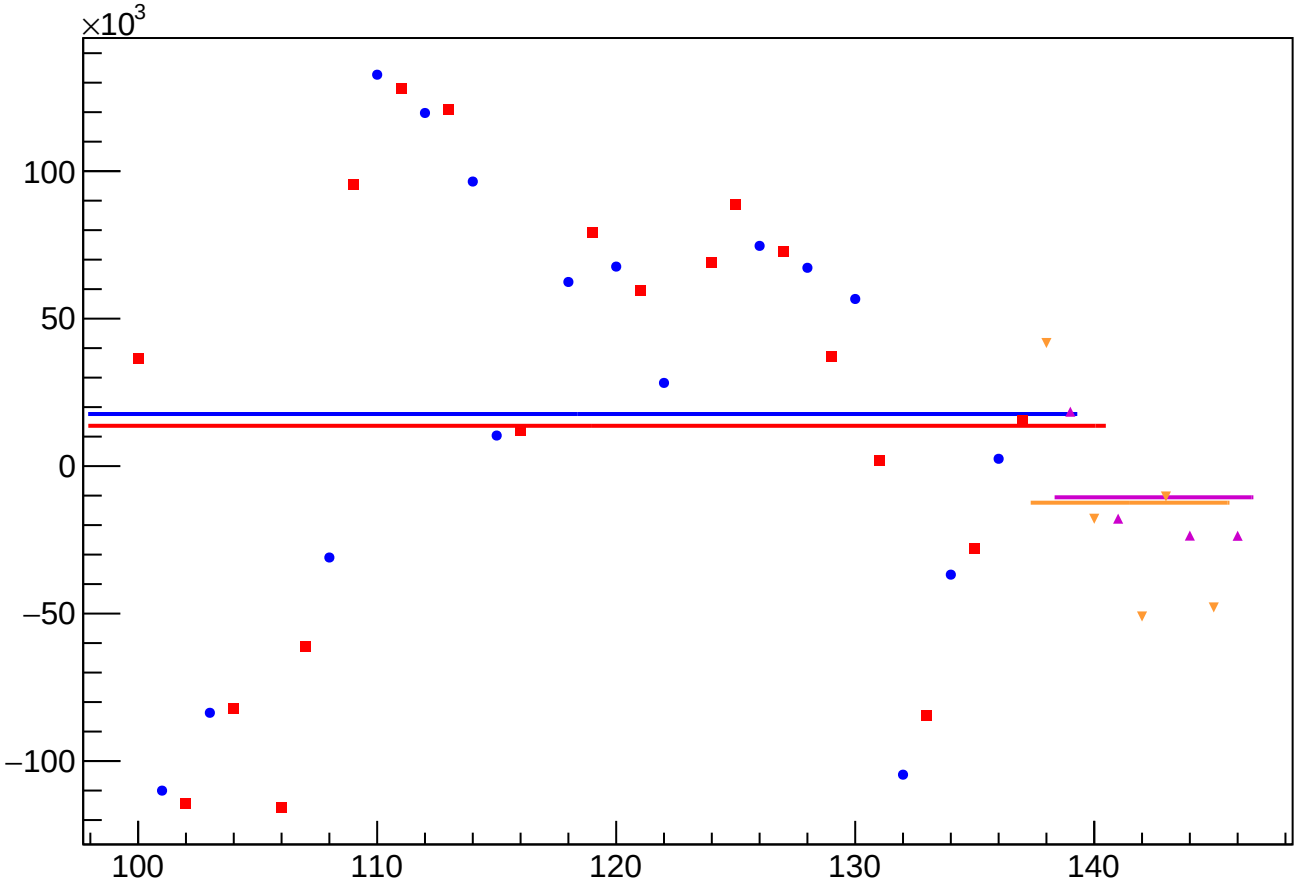
Left: 0.317+/-0.000 χ^2/NDF: 406927.5/8

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.325+/-0.000 χ^2/NDF:1760813.3/19

Out: 0.320+/-0.000 χ^2/NDF:1351714.8/23

All: 0.323+/-0.000 χ^2/NDF: 3114876.4/43



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -12402.753+/-2.663 χ^2/NDF:168753727.6/4

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -10573.806+/-2.783 χ^2/NDF:41837672.0/3

Left: -11528.631+/-1.924 χ^2/NDF: 210816922.9/8

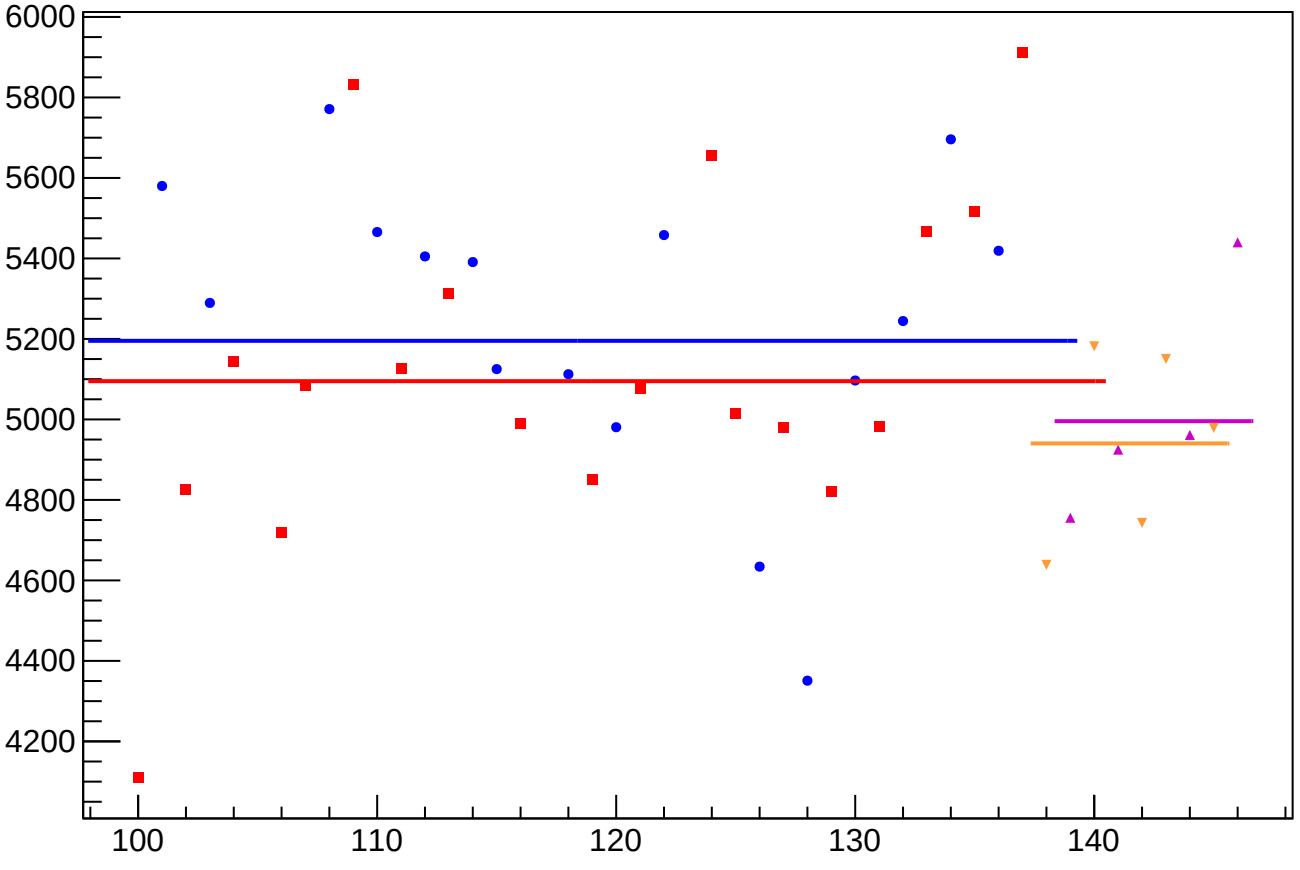
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 8010.586+/-1.627 χ^2/NDF:1508347224.0/19

Out: 4717.670+/-1.560 χ^2/NDF:2088675733.1/23

All: 6294.859+/-1.126 χ^2/NDF: 3599157238.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4940.359+/-1.883 χ^2/NDF:13774.4/4

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4995.675+/-1.968 χ^2/NDF:15144.4/3

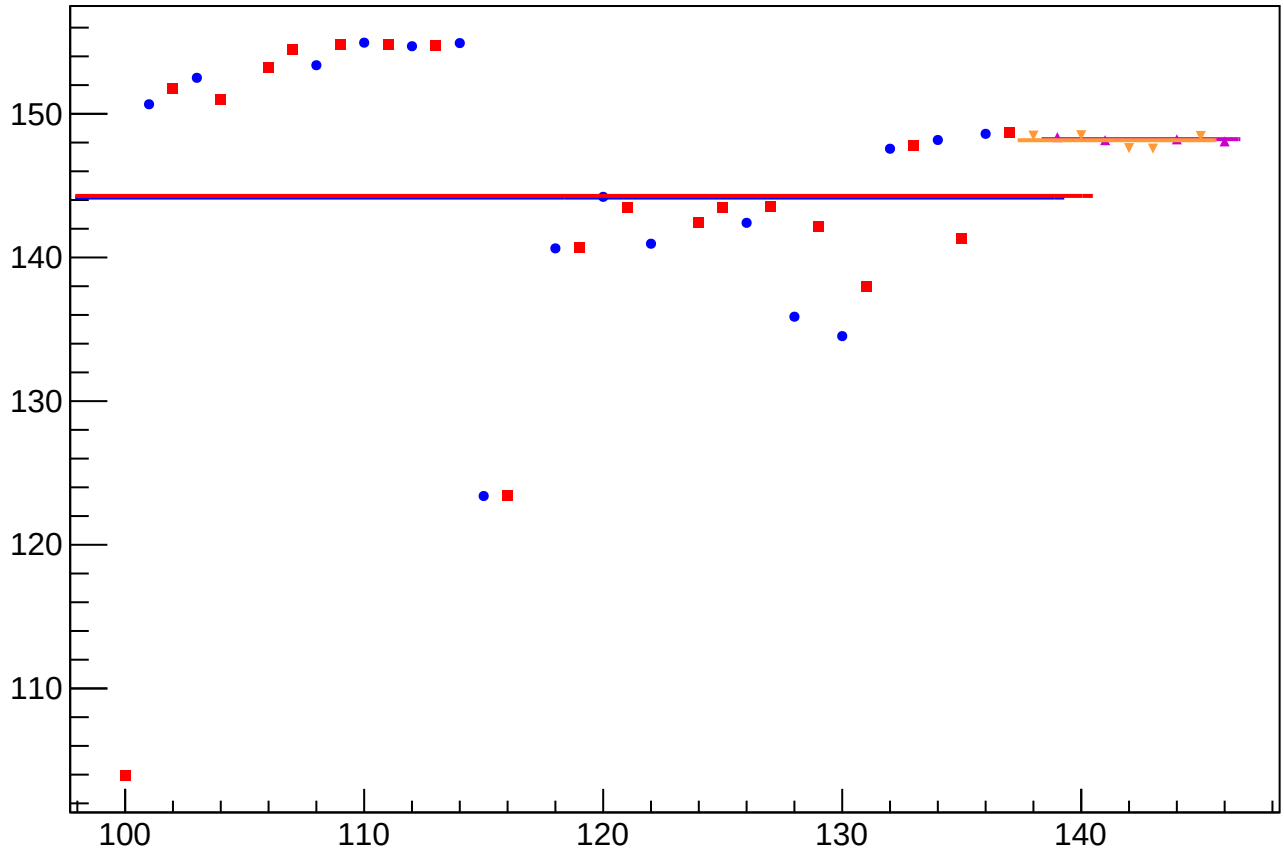
Left: 4966.797+/-1.360 χ^2/NDF: 29331.4/8

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

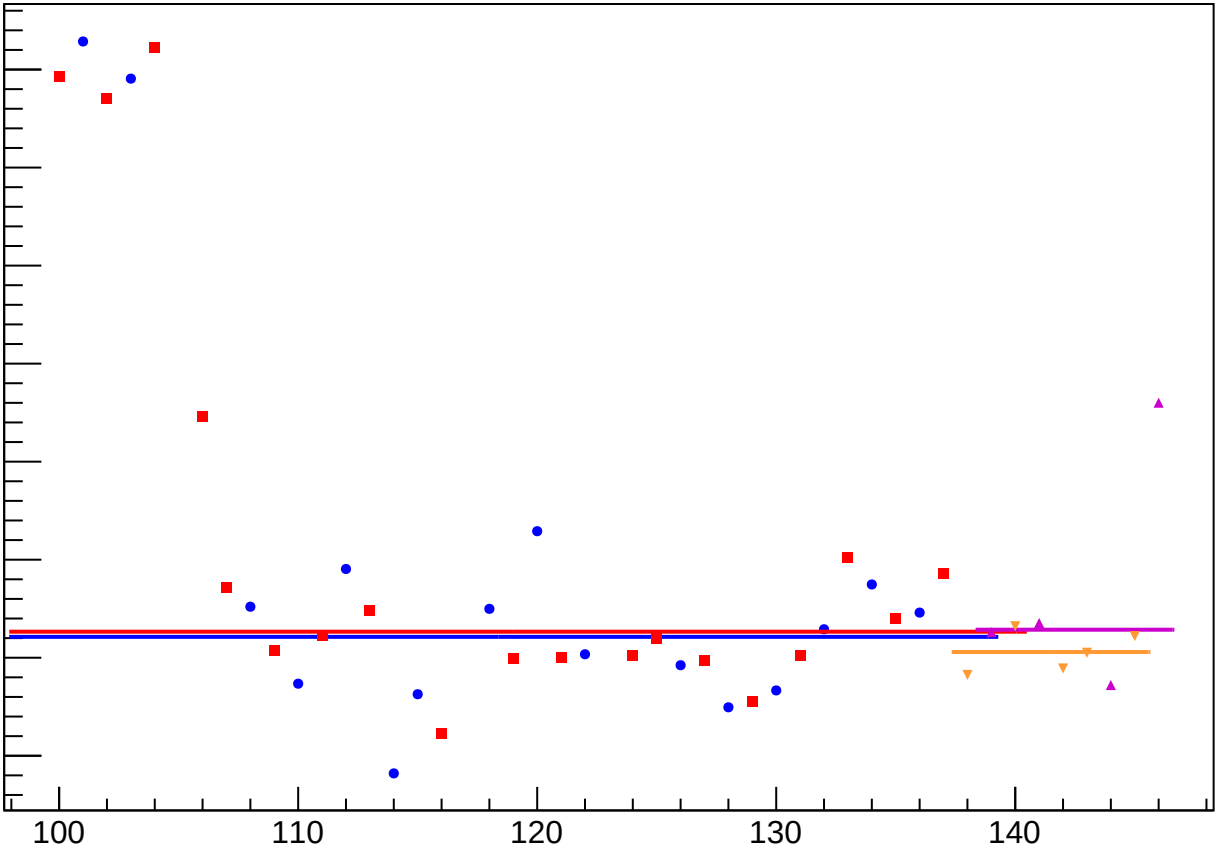
In: 5127.056+/-1.150 χ^2/NDF:99084.3/19

Out: 5041.948+/-1.103 χ^2/NDF:77319.9/23

All: 5082.712+/-0.796 χ^2/NDF: 179255.7/43


yield_bcm_an_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
Right In: 144.172+/-0.000 χ²/NDF: 3764836520.0/15
Left Out: 148.162+/-0.000 χ²/NDF:6849521.3/4
Right Out: 144.286+/-0.000 χ²/NDF: 4290223847.7/18
Left In: 148.238+/-0.000 χ²/NDF:253000.9/3
Left: 148.196+/-0.000 χ²/NDF: 7196166.0/8
Right: 144.229+/-0.000 χ²/NDF: 8055437753.5/34
In: 145.552+/-0.000 χ²/NDF:4088516300.0/19
Out: 145.819+/-0.000 χ²/NDF:4636542398.7/23
All: 145.691+/-0.000 χ²/NDF: 8728305535.2

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.306+/-0.000 χ^2/NDF:27272.9/4

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.329+/-0.000 χ^2/NDF:364067.3/3

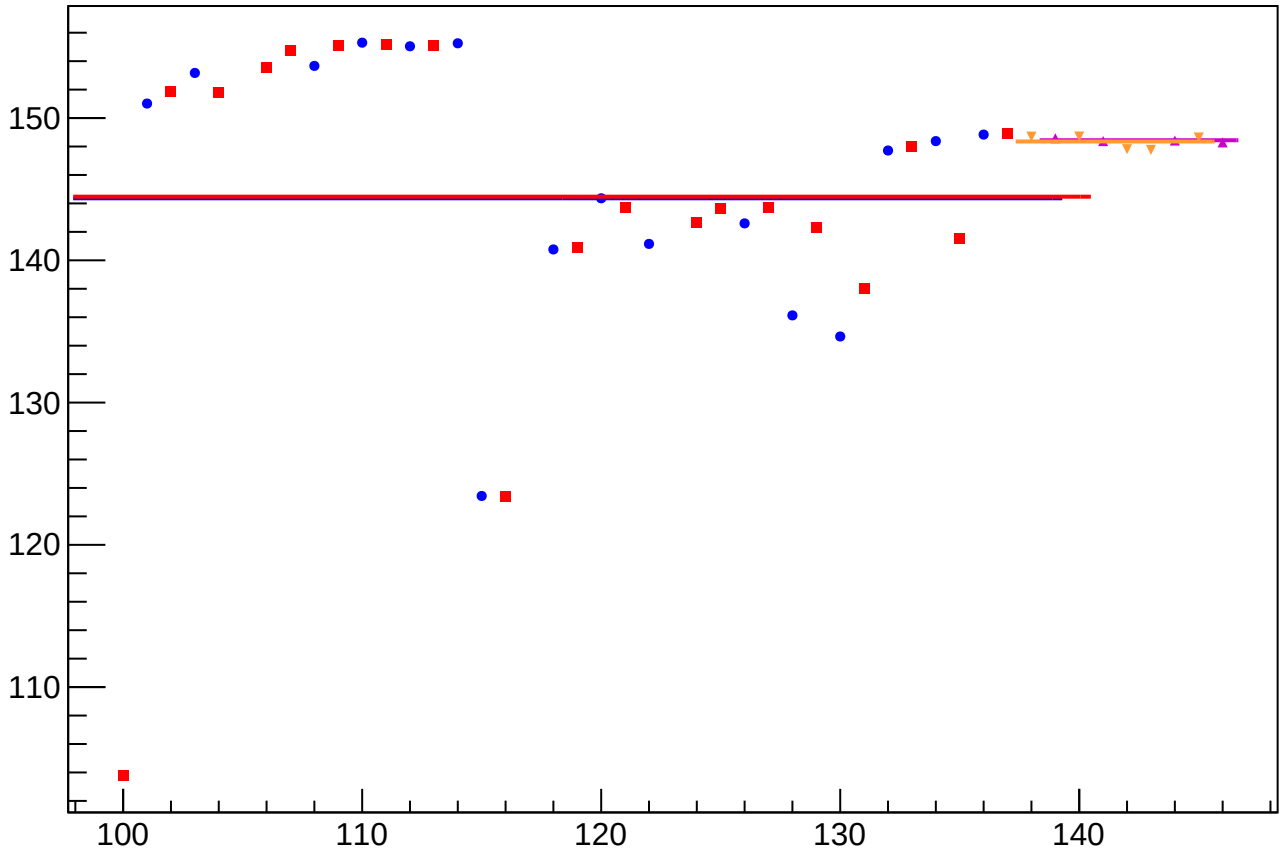
Left: 0.316+/-0.000 χ^2/NDF: 408468.5/8

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.324+/-0.000 χ^2/NDF:1762396.4/19

Out: 0.318+/-0.000 χ^2/NDF:1349456.0/23

All: 0.321+/-0.000 χ^2/NDF: 3114508.1/43



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.354+/-0.000 χ^2/NDF:6883751.3/4

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 148.441+/-0.000 χ^2/NDF:239191.8/3

Left: 148.392+/-0.000 χ^2/NDF: 7245545.3/8

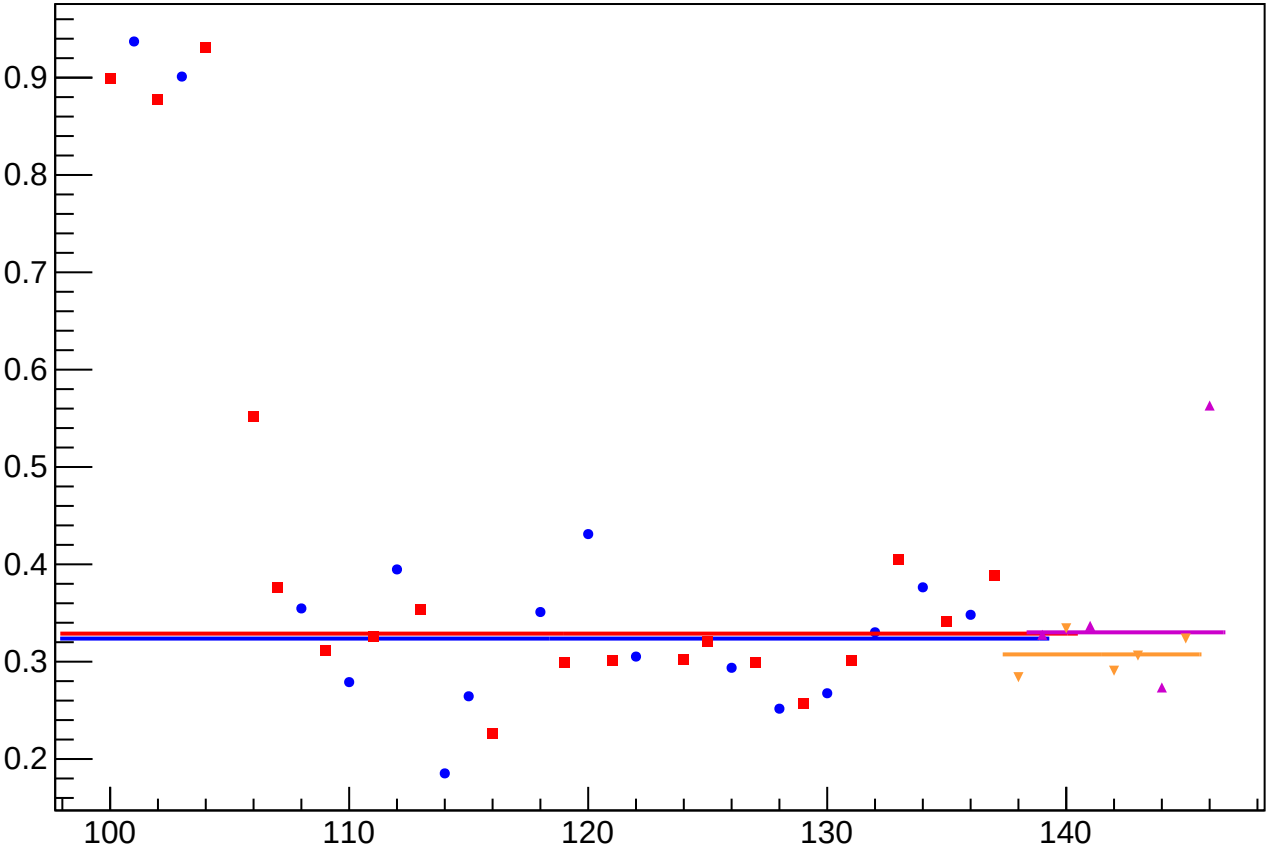
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 145.750+/-0.000 χ^2/NDF:4080828263.9/19

Out: 146.011+/-0.000 χ^2/NDF:4624899834.6/23

All: 145.886+/-0.000 χ^2/NDF: 8708791815.6

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.307+/-0.000 χ^2/NDF:27418.3/4

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.330+/-0.000 χ^2/NDF:364172.7/3

Left: 0.317+/-0.000 χ^2/NDF: 408385.8/8

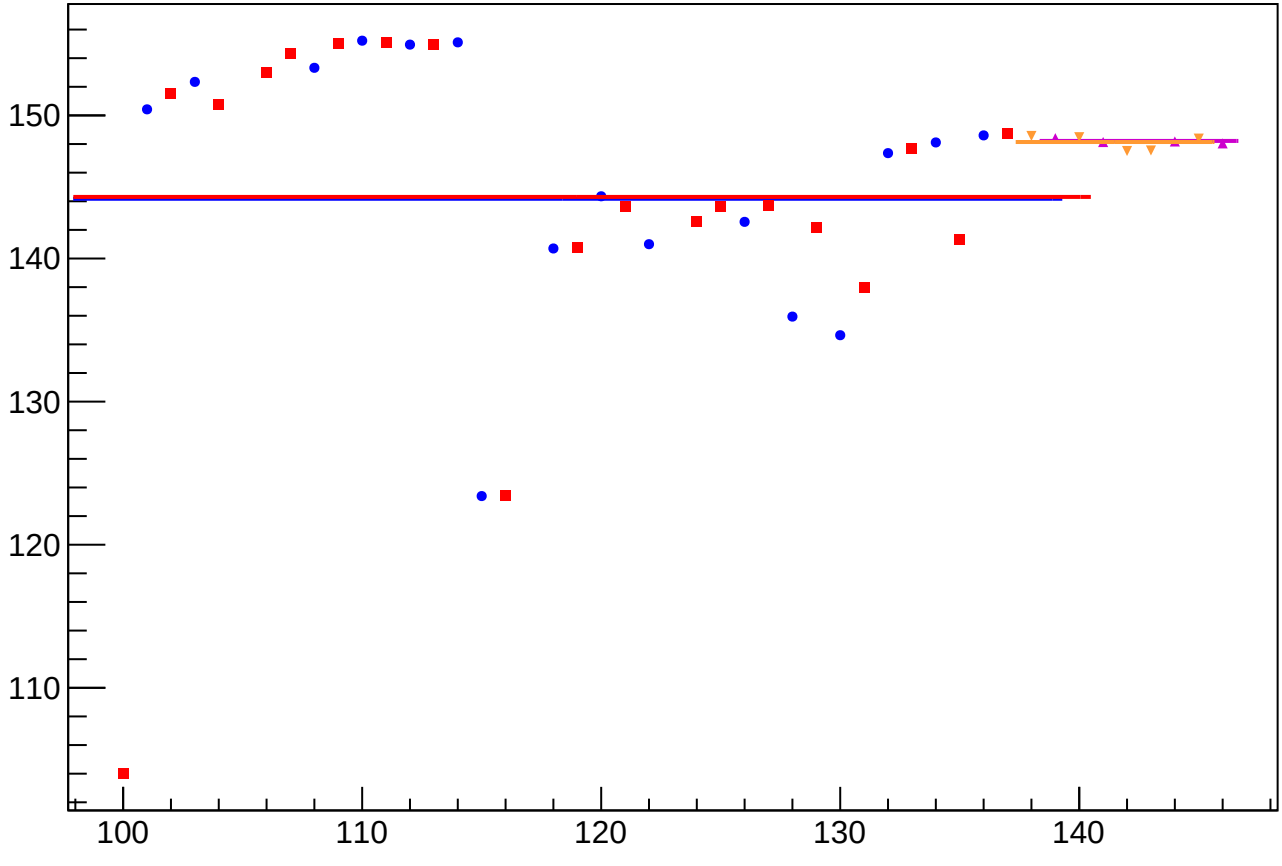
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.326+/-0.000 χ^2/NDF:1758144.5/19

Out: 0.320+/-0.000 χ^2/NDF:1350988.9/23

All: 0.323+/-0.000 χ^2/NDF: 3111878.6/43

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.142+/-0.000 χ^2/NDF:7772747.4/4

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.217+/-0.000 χ^2/NDF:423982.5/3

Left: 148.175+/-0.000 χ^2/NDF: 8289781.0/8

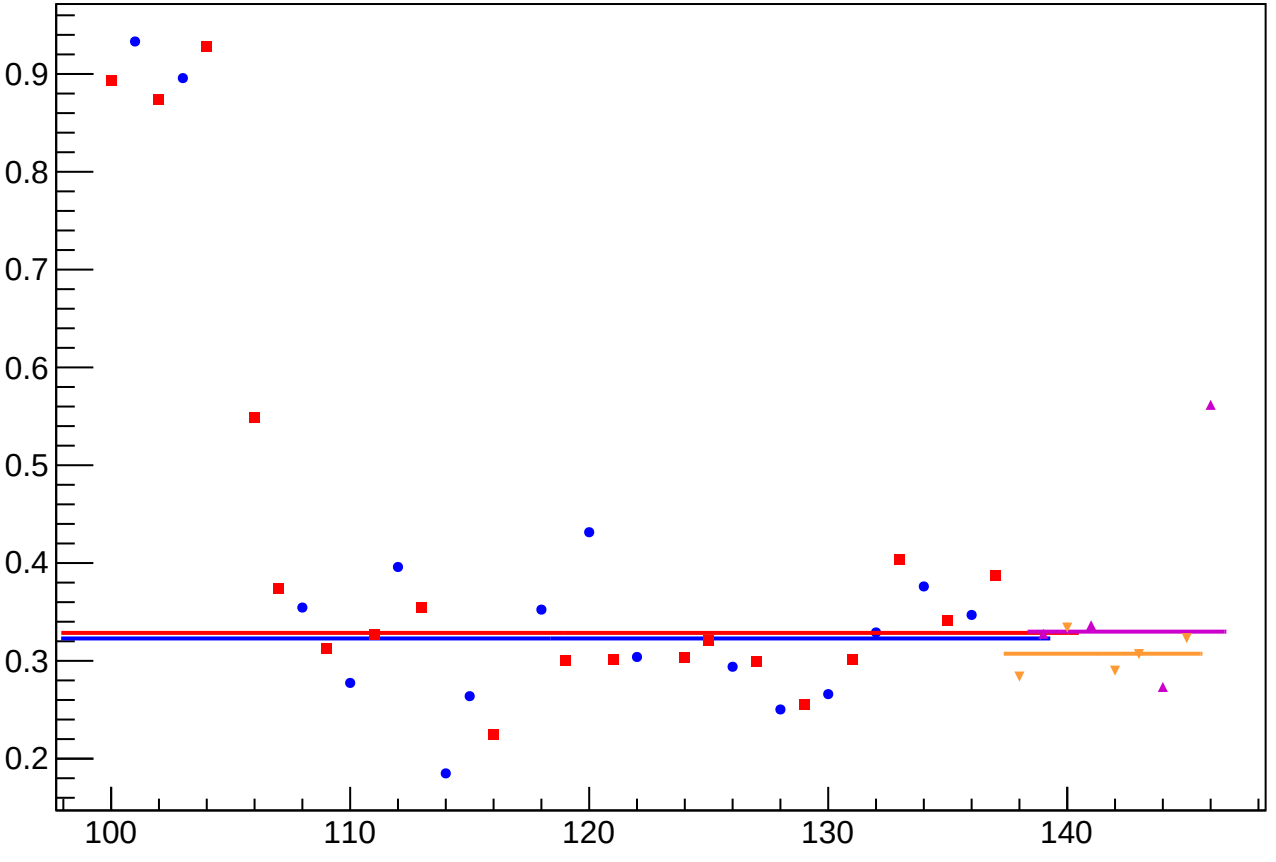
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.550+/-0.000 χ^2/NDF:4042016776.5/19

Out: 145.824+/-0.000 χ^2/NDF:4601488875.3/23

All: 145.692+/-0.000 χ^2/NDF: 8646874242.1

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.307+/-0.000 χ^2/NDF:27346.7/4

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.330+/-0.000 χ^2/NDF:362901.2/3

Left: 0.317+/-0.000 χ^2/NDF: 406927.5/8

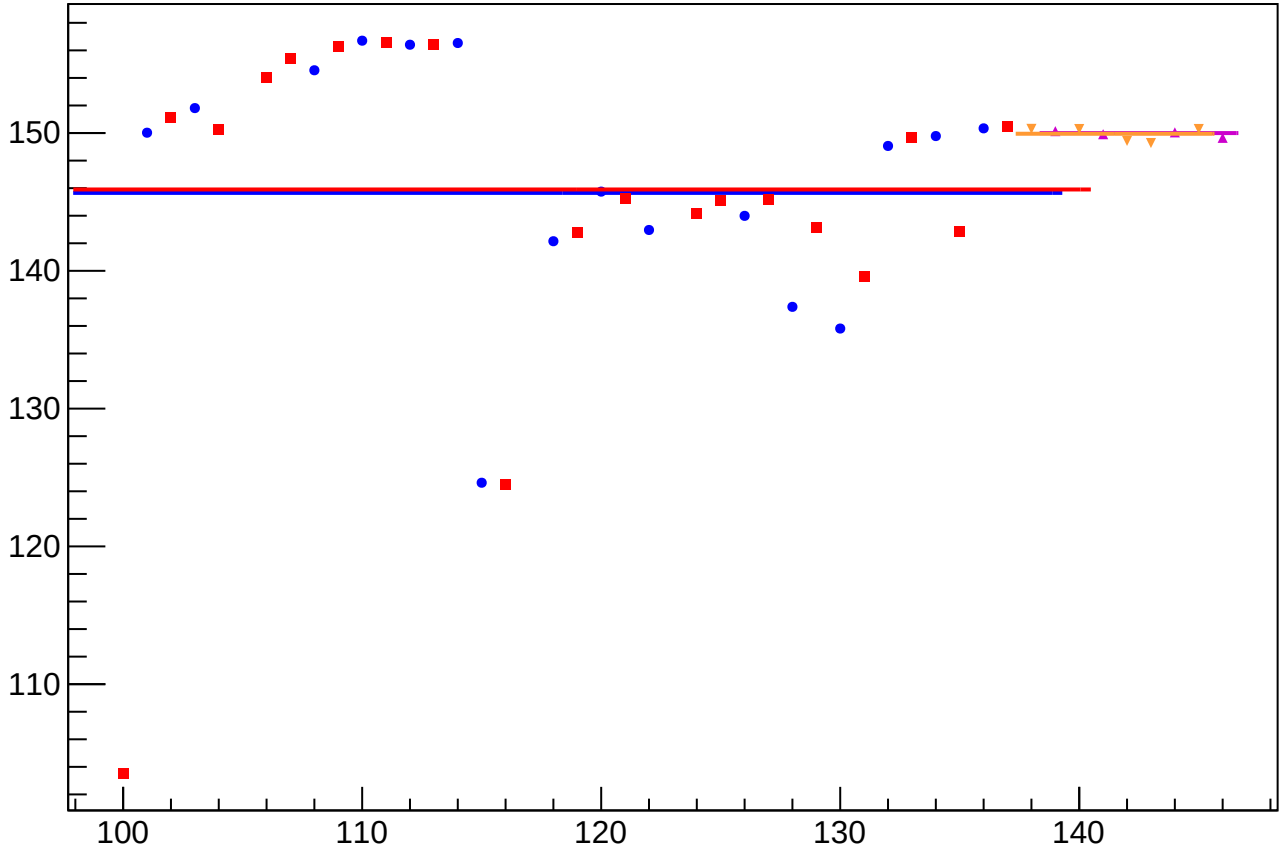
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.325+/-0.000 χ^2/NDF:1760813.3/19

Out: 0.320+/-0.000 χ^2/NDF:1351714.8/23

All: 0.323+/-0.000 χ^2/NDF: 3114876.4/43

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.950+/-0.000 χ^2/NDF:6815024.6/4

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 149.998+/-0.000 χ^2/NDF:483529.1/3

Left: 149.971+/-0.000 χ^2/NDF: 7331308.3/8

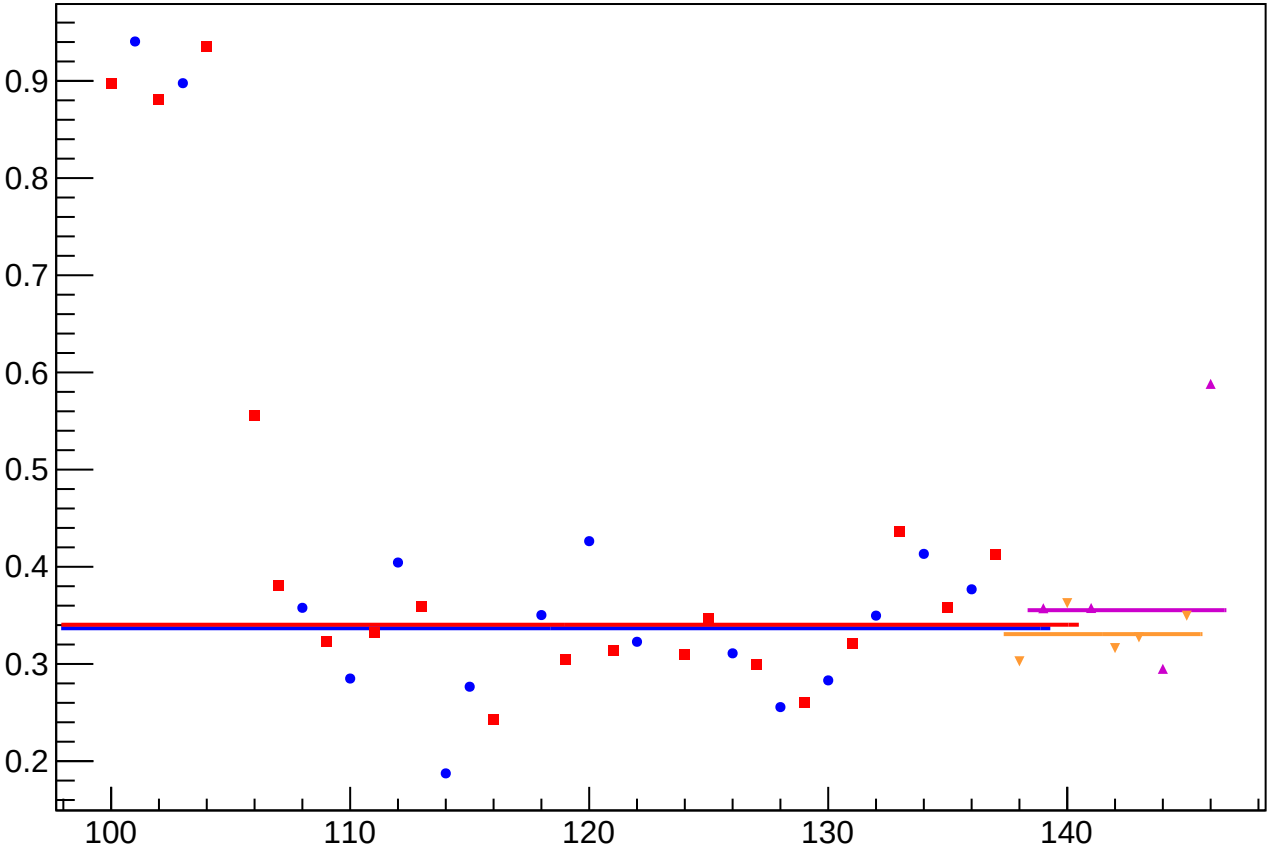
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 147.069+/-0.000 χ^2/NDF:3803464523.5/19

Out: 147.422+/-0.000 χ^2/NDF:4192593701.1/23

All: 147.252+/-0.000 χ^2/NDF: 8001096484.6

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.331+/-0.000 χ^2/NDF:31372.1/4

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.355+/-0.000 χ^2/NDF:335982.3/3

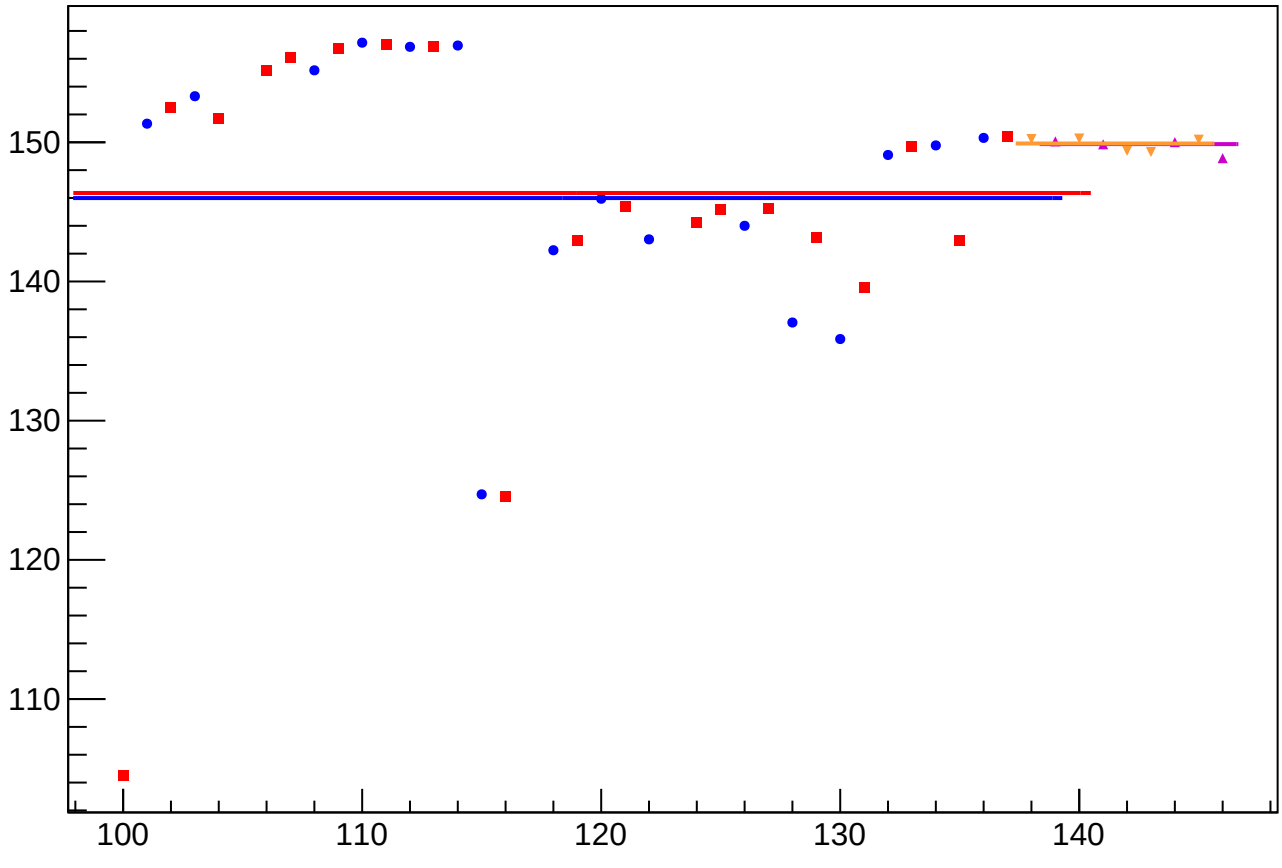
Left: 0.342+/-0.000 χ^2/NDF: 384388.4/8

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.343+/-0.000 χ^2/NDF:1718301.1/19

Out: 0.337+/-0.000 χ^2/NDF:1309775.6/23

All: 0.340+/-0.000 χ^2/NDF: 3031023.9/43



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.914+/-0.000 χ^2/NDF:5826059.5/4

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 149.870+/-0.000 χ^2/NDF:2931211.1/3

Left: 149.895+/-0.000 χ^2/NDF: 8785091.3/8

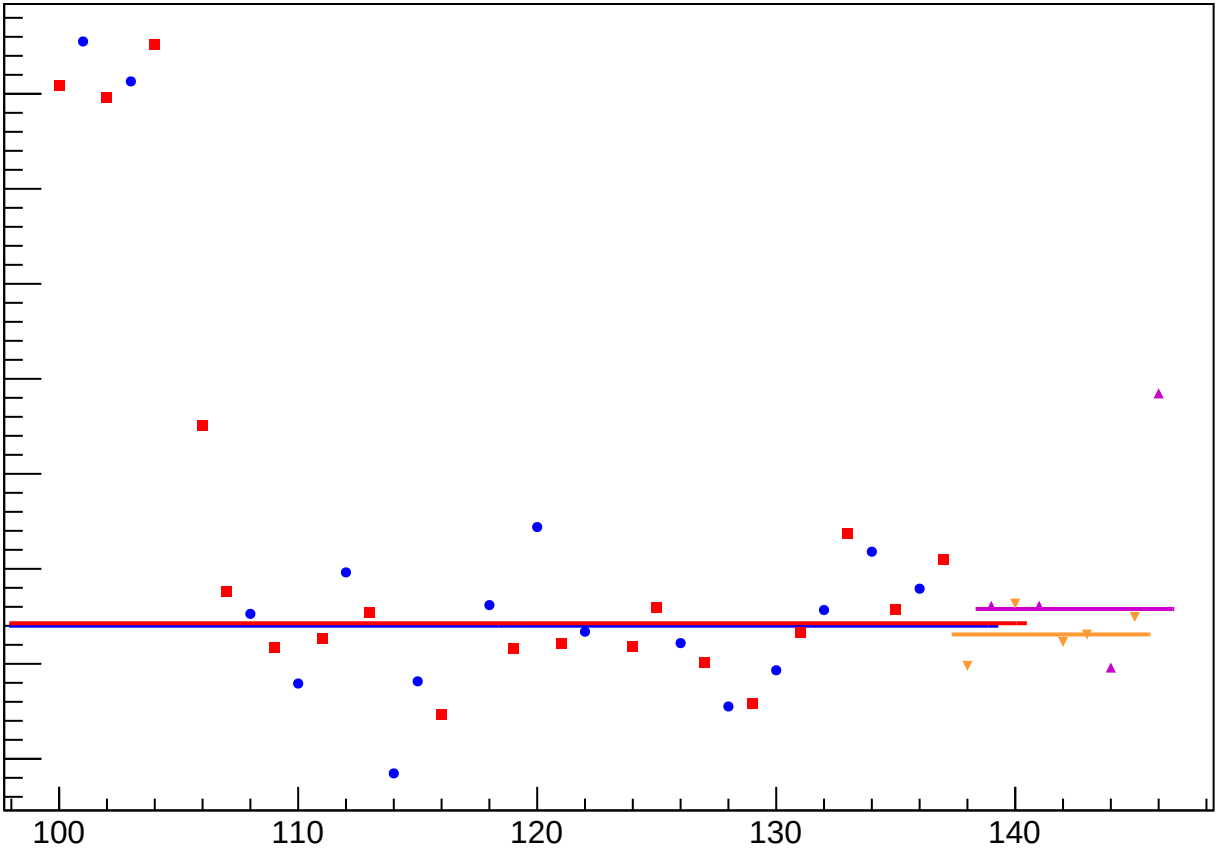
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 147.260+/-0.000 χ^2/NDF:3876261888.4/19

Out: 147.700+/-0.000 χ^2/NDF:4215753597.4/23

All: 147.490+/-0.000 χ^2/NDF: 8099706197.1

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.331+/-0.000 χ^2/NDF:35480.4/4

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.358+/-0.000 χ^2/NDF:327478.5/3

Left: 0.343+/-0.000 χ^2/NDF: 382883.4/8

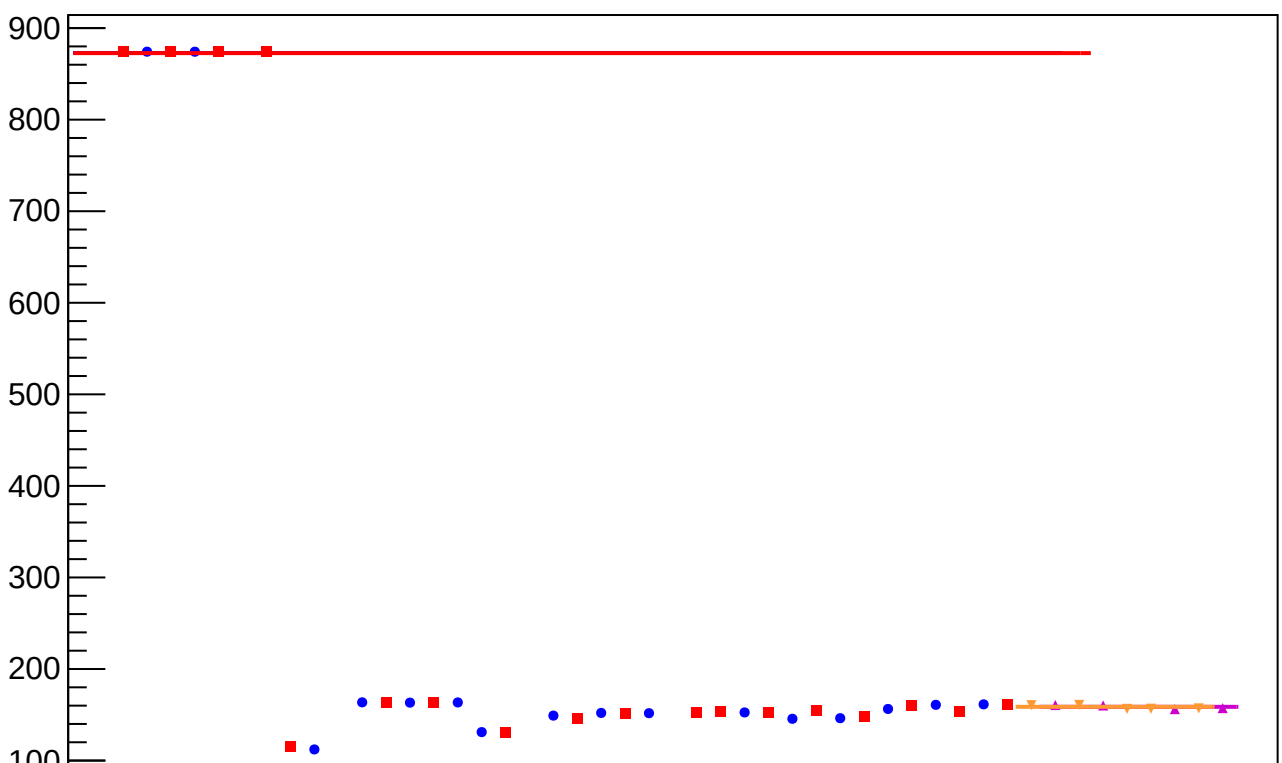
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.346+/-0.000 χ^2/NDF:1731080.6/19

Out: 0.338+/-0.000 χ^2/NDF:1311605.1/23

All: 0.342+/-0.000 χ^2/NDF: 3047311.7/43

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 158.723+/-0.000 χ^2/NDF:24941460.3/4

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 158.696+/-0.000 χ^2/NDF:22293095.0/3

Left: 158.711+/-0.000 χ^2/NDF: 47236927.5/8

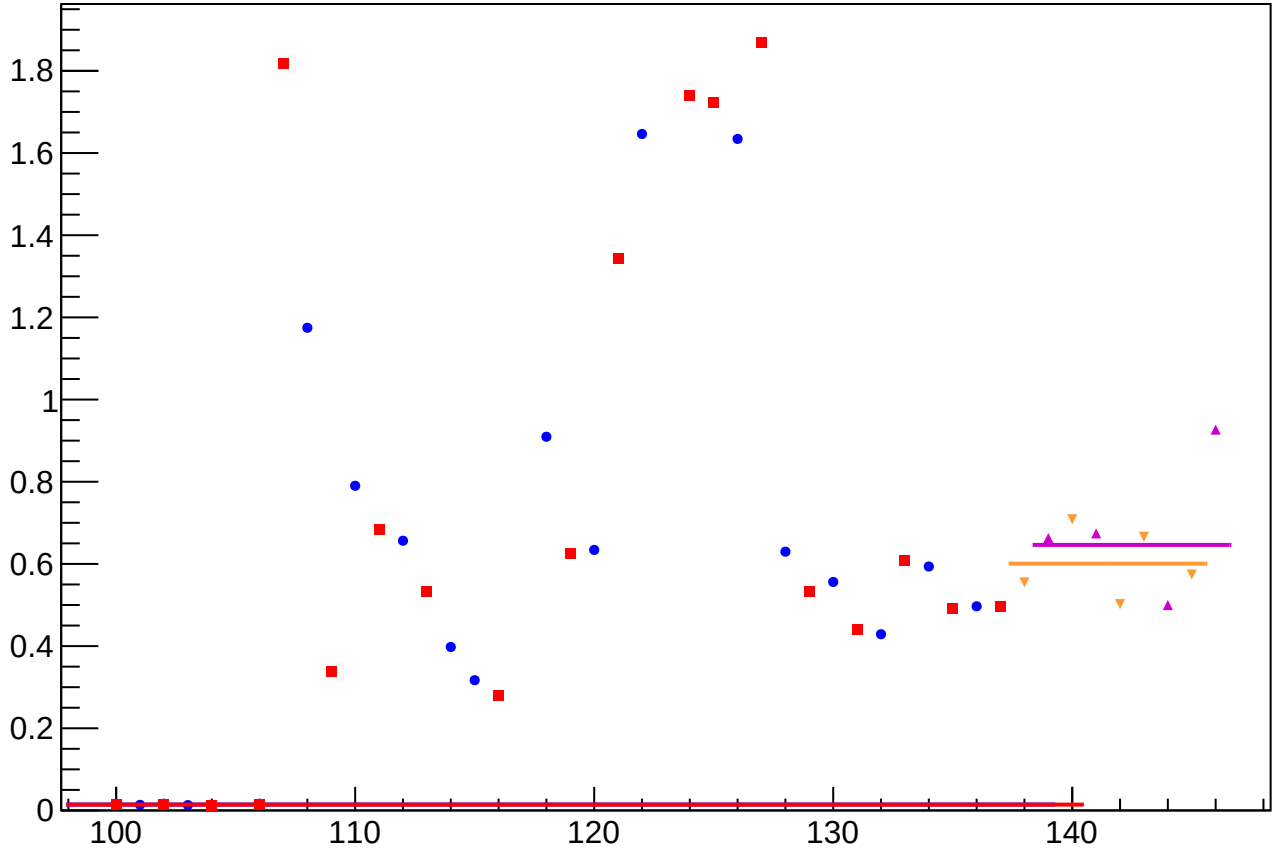
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 872.260+/-0.000 χ^2/NDF:10050156501406.3/1

Out: 872.098+/-0.000 χ^2/NDF:12552302271322.2

All: 872.173+/-0.000 χ^2/NDF: 22602558757

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.601+/-0.000 χ^2/NDF:66681.1/4

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.646+/-0.000 χ^2/NDF:187578.8/3

Left: 0.622+/-0.000 χ^2/NDF: 266958.3/8

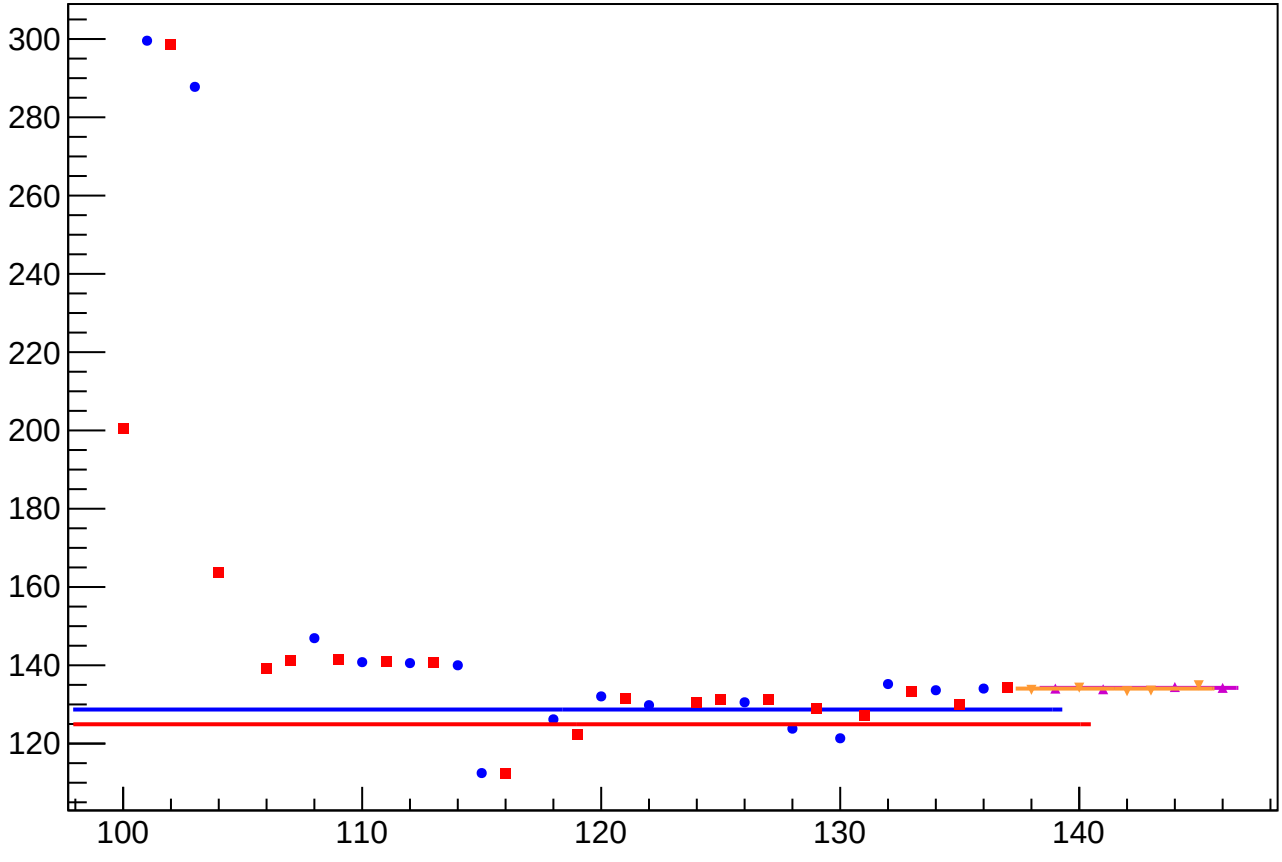
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:14286514.8/19

Out: 0.015+/-0.000 χ^2/NDF:14043385.9/23

All: 0.015+/-0.000 χ^2/NDF: 28330105.5/43

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.052+/-0.000 χ^2/NDF:5815923.6/4

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.232+/-0.000 χ^2/NDF:562903.0/3

Left: 134.129+/-0.000 χ^2/NDF: 6591348.6/8

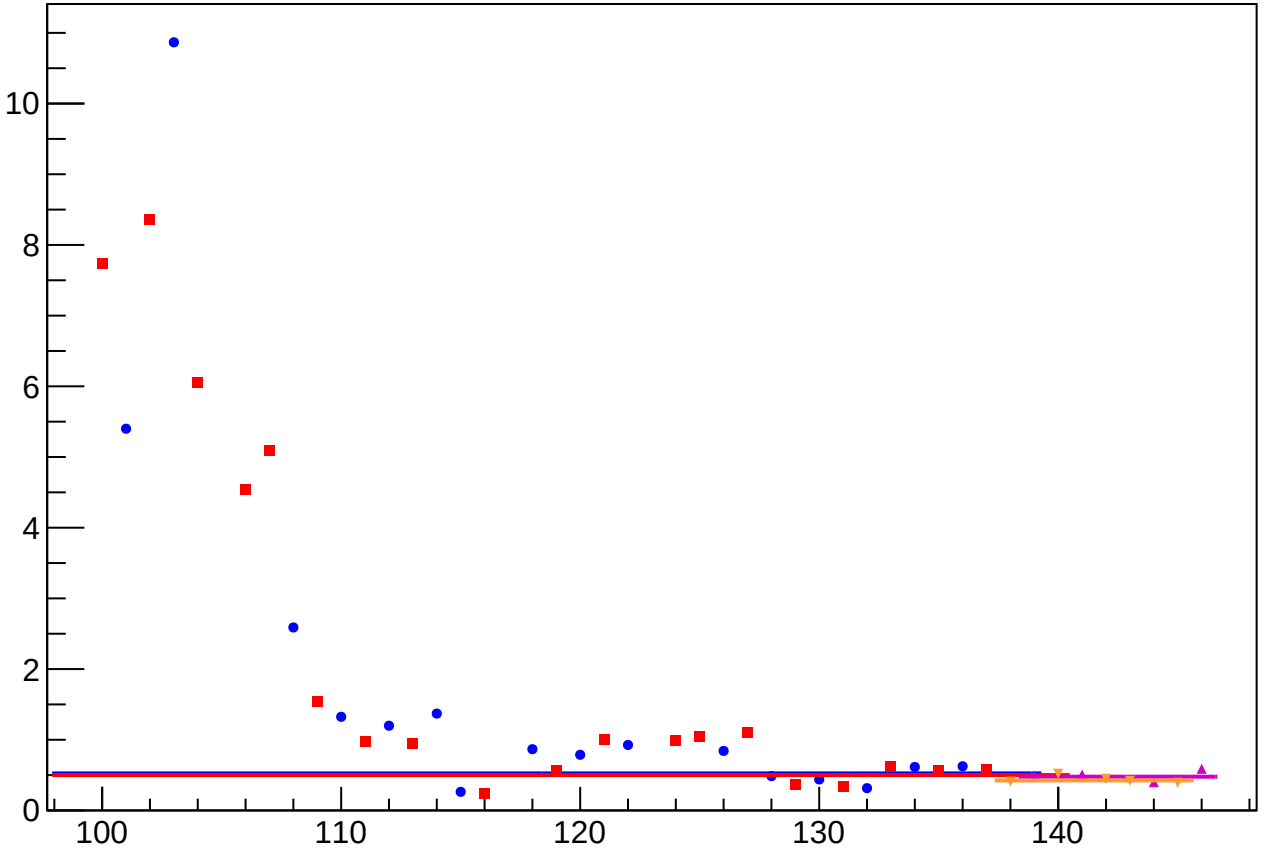
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 131.253+/-0.000 χ^2/NDF:1845452422.4/19

Out: 129.690+/-0.000 χ^2/NDF:2011874566.5/23

All: 130.406+/-0.000 χ^2/NDF: 3890182203.1

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.424+/-0.000 χ^2/NDF:45540.0/4

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.477+/-0.000 χ^2/NDF:122956.5/3

Left: 0.447+/-0.000 χ^2/NDF: 205358.7/8

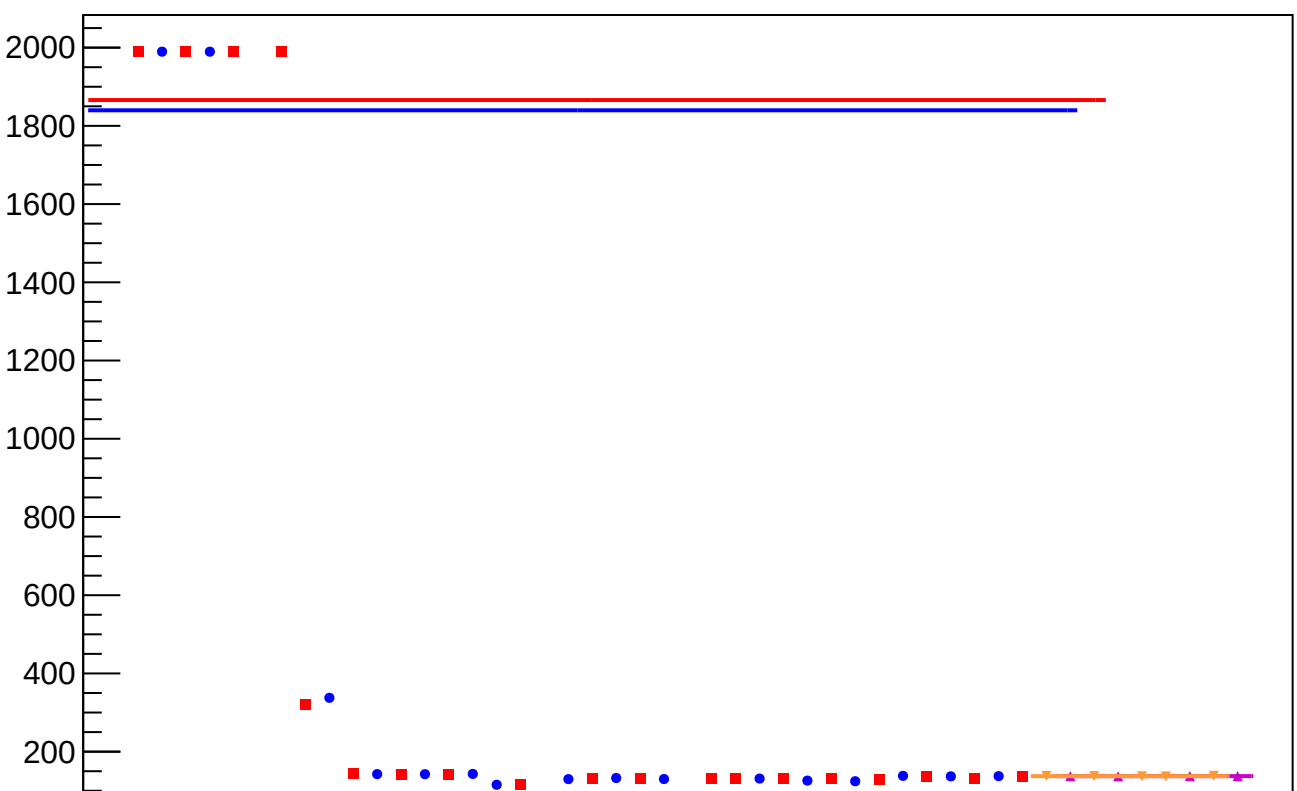
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.503+/-0.000 χ^2/NDF:4288207.8/19

Out: 0.461+/-0.000 χ^2/NDF:5014615.7/23

All: 0.480+/-0.000 χ^2/NDF: 9349619.9/43

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.353+/-0.000 χ^2/NDF:12666533.1/4

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.418+/-0.000 χ^2/NDF:1331810.4/3

Left: 137.382+/-0.000 χ^2/NDF: 14059590.7/8

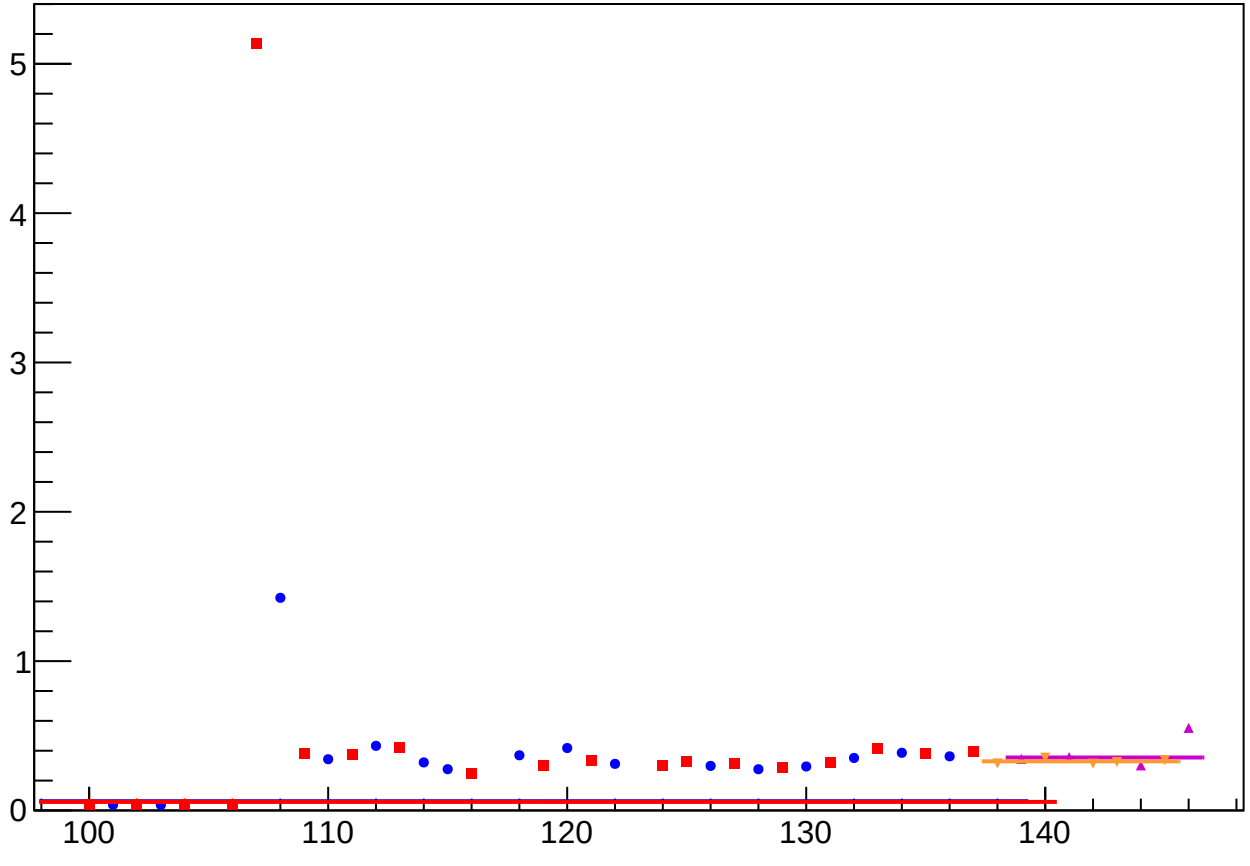
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1765.924+/-0.000 χ^2/NDF:217624761374703.

Out: 1785.276+/-0.000 χ^2/NDF:23565709432781

All: 1776.365+/-0.000 χ^2/NDF: 4534023089

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.329+/-0.000 χ^2/NDF:13920.0/4

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.355+/-0.000 χ^2/NDF:272536.8/3

Left: 0.340+/-0.000 χ^2/NDF: 305598.5/8

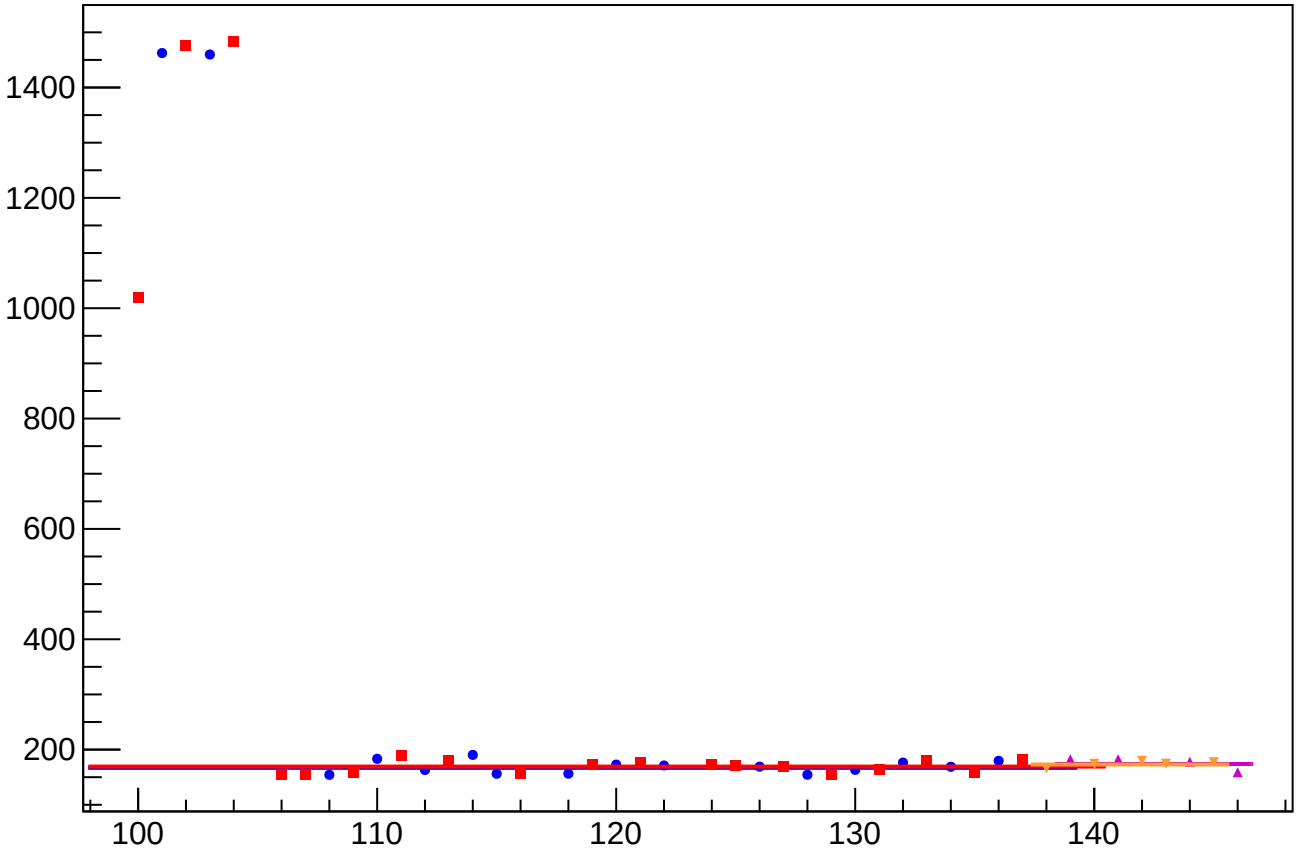
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.074+/-0.000 χ^2/NDF:12691163.4/19

Out: 0.070+/-0.000 χ^2/NDF:12342312.7/23

All: 0.072+/-0.000 χ^2/NDF: 25046579.5/43

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 172.997+/-0.001 χ^2/NDF:67854853.1/4

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 173.994+/-0.001 χ^2/NDF:330461297.1/3

Left: 173.495+/-0.000 χ^2/NDF: 399863348.4/8

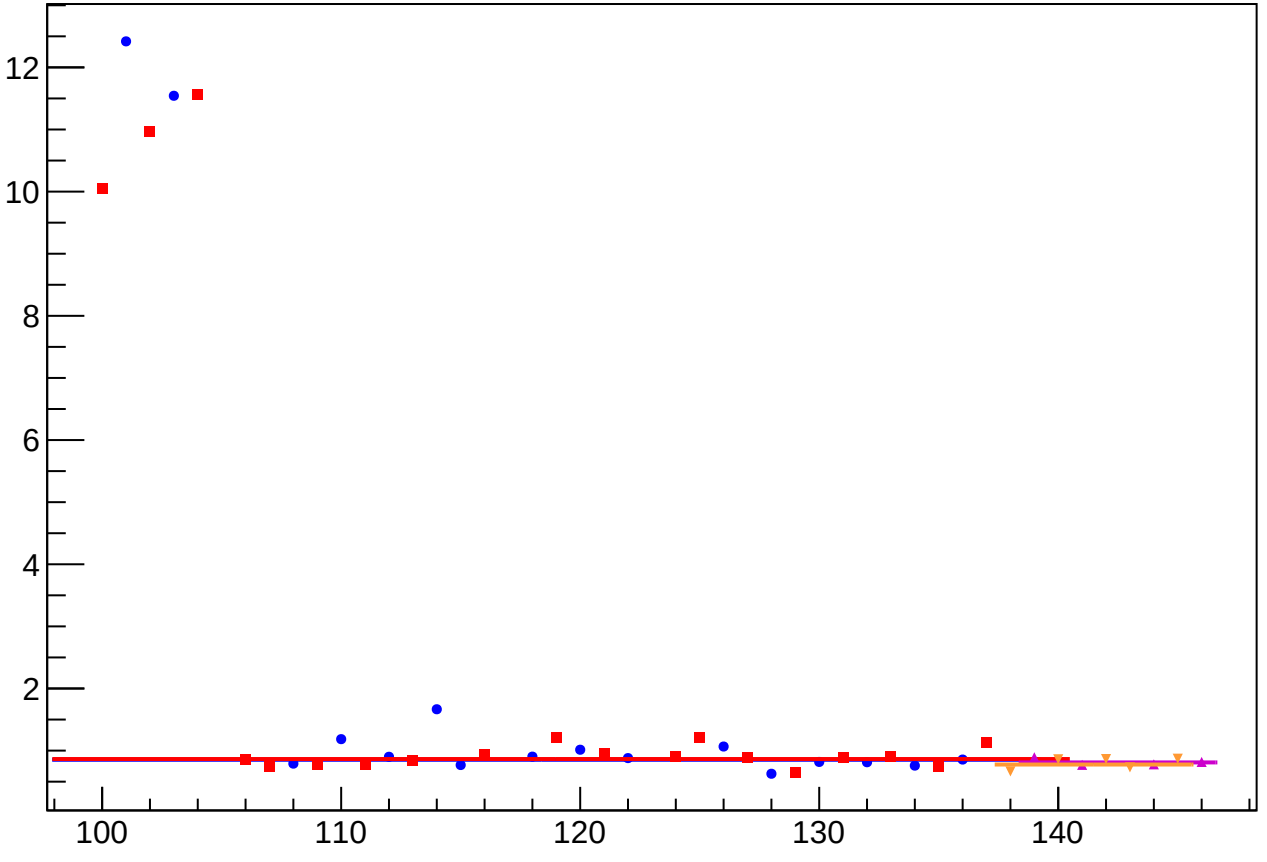
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 169.598+/-0.000 χ^2/NDF:15040806997.1/19

Out: 170.618+/-0.000 χ^2/NDF:16413130362.9/23

All: 170.113+/-0.000 χ^2/NDF: 31458352627.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.776+/-0.000 χ^2/NDF:47928.4/4

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.810+/-0.000 χ^2/NDF:11826.5/3

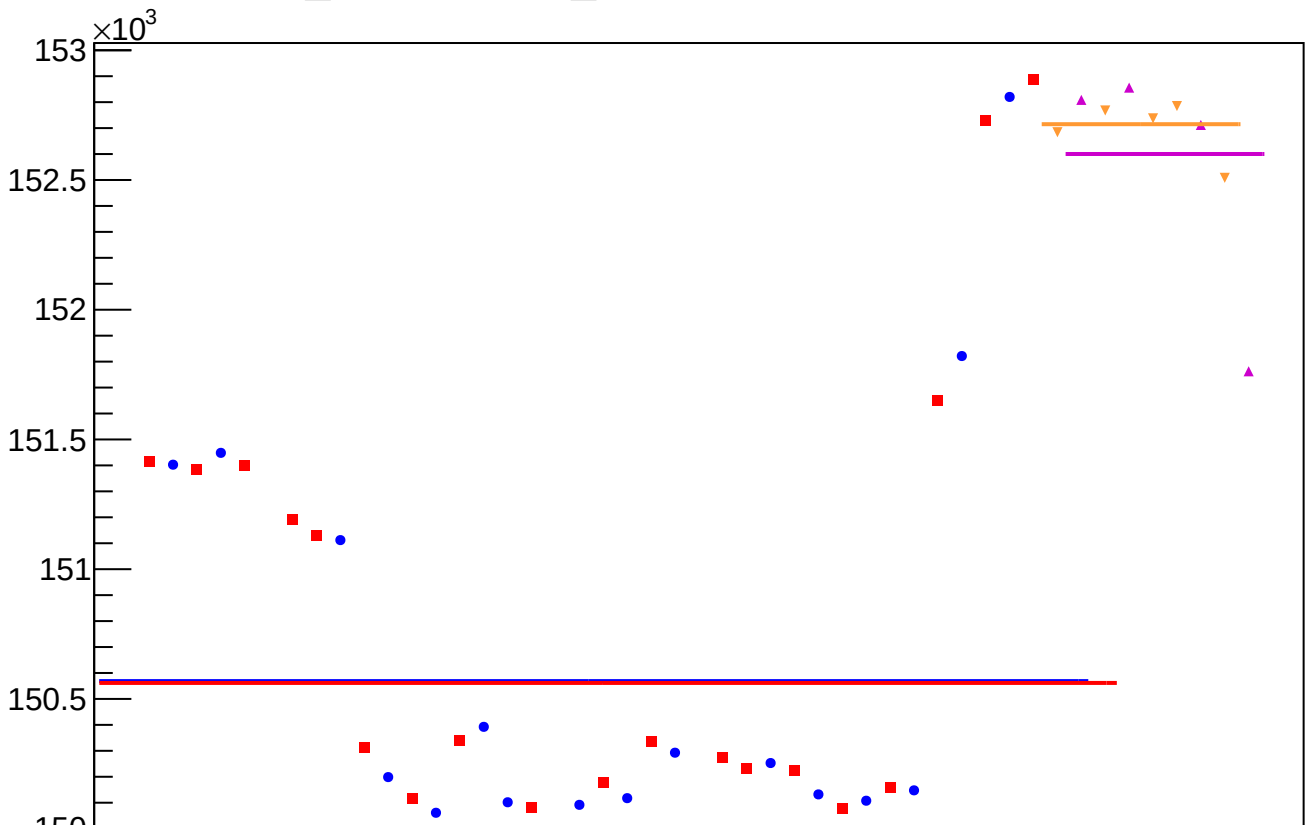
Left: 0.793+/-0.000 χ^2/NDF: 63310.6/8

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.837+/-0.000 χ^2/NDF:2321430.2/19

Out: 0.832+/-0.000 χ^2/NDF:2288085.2/23

All: 0.835+/-0.000 χ^2/NDF: 4609713.1/43



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152715.053+/-0.094 χ^2/NDF:919889.7/4

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152600.190+/-0.097 χ^2/NDF:17775406.1/3

Left: 152659.570+/-0.068 χ^2/NDF: 19412878.3/8

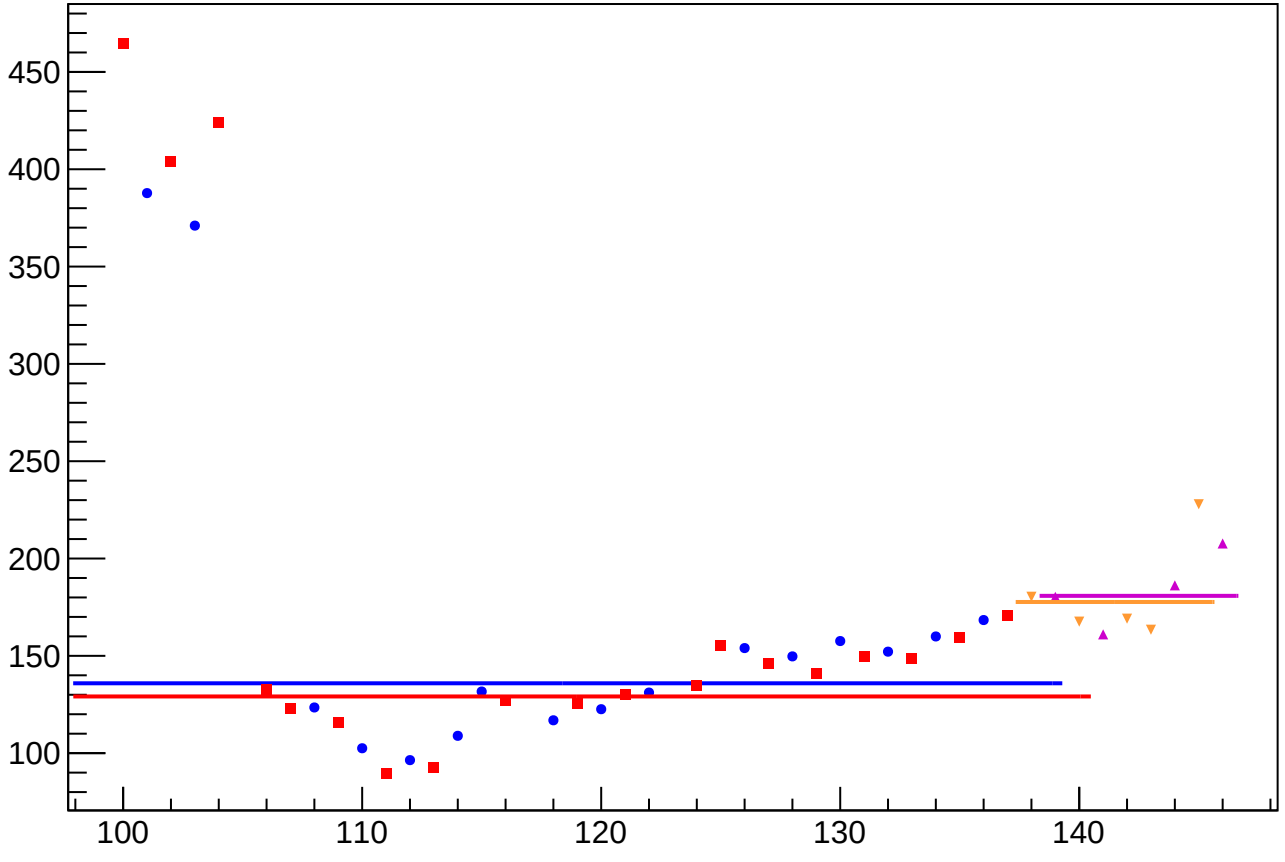
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 151053.830+/-0.048 χ^2/NDF:585443335.1/19

Out: 151049.187+/-0.045 χ^2/NDF:602349721.7/23

All: 151051.368+/-0.033 χ^2/NDF: 11877980

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 177.674+/-0.067 χ^2/NDF:98820.2/4

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.825+/-0.069 χ^2/NDF:57059.9/3

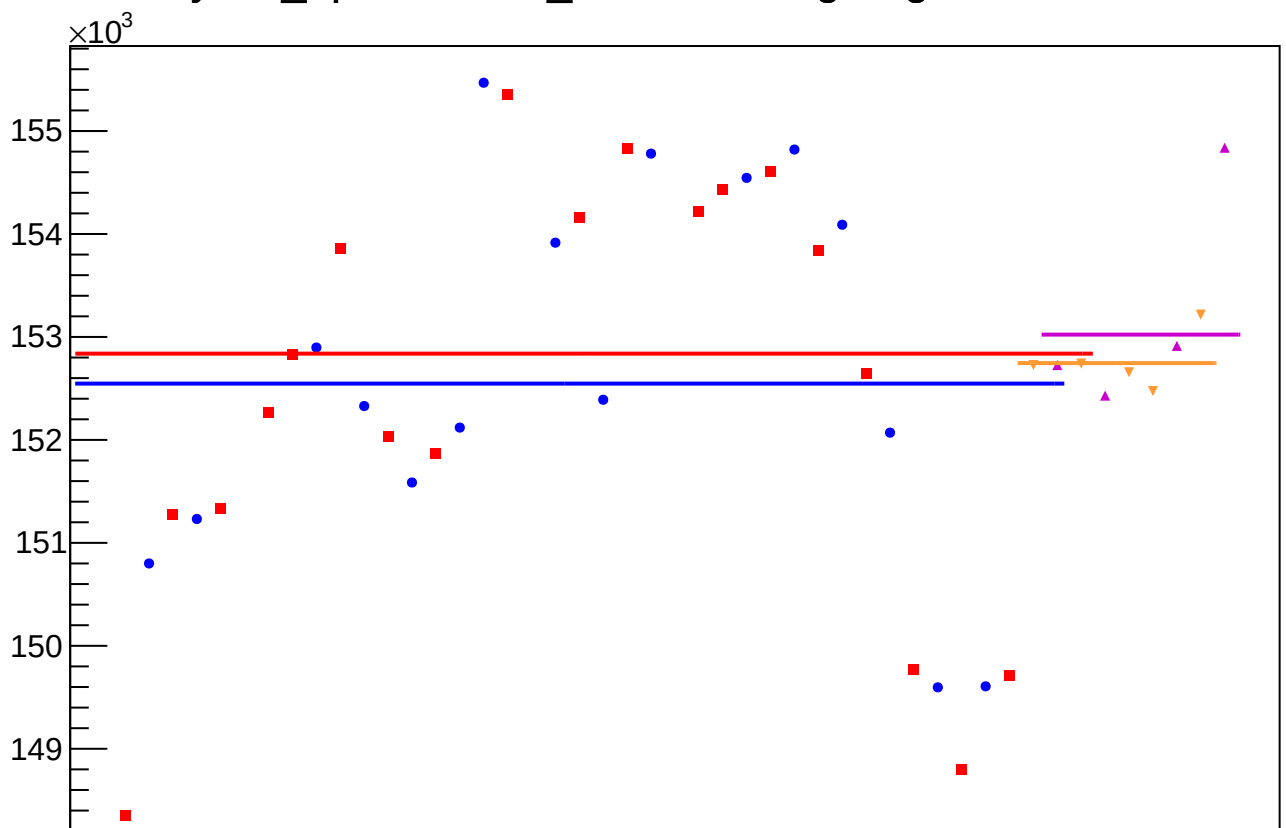
Left: 179.196+/-0.048 χ^2/NDF: 156959.8/8

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 146.626+/-0.034 χ^2/NDF:1796696.2/19

Out: 140.121+/-0.032 χ^2/NDF:2123667.1/23

All: 143.177+/-0.023 χ^2/NDF: 3940135.6/43



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152746.108+/-0.097 χ^2/NDF:6297486.0/4

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 153022.829+/-0.107 χ^2/NDF:54050920.6/3

Left: 152871.628+/-0.072 χ^2/NDF: 64036722.4/8

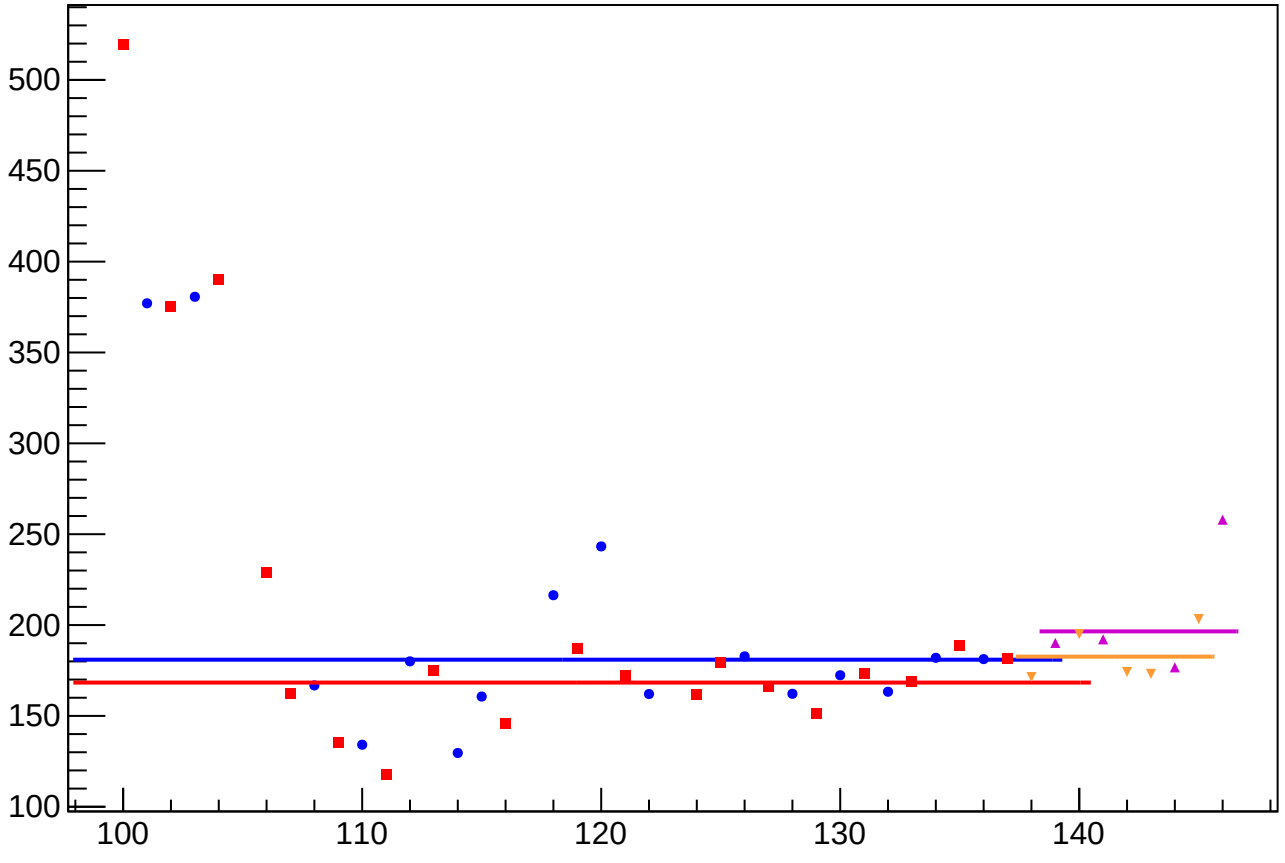
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152697.924+/-0.060 χ^2/NDF:722222643.7/19

Out: 152808.465+/-0.055 χ^2/NDF:743812276.7/23

All: 152758.044+/-0.041 χ^2/NDF: 14678811

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 182.622+/-0.069 χ^2/NDF:35993.5/4

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 196.517+/-0.075 χ^2/NDF:124510.1/3

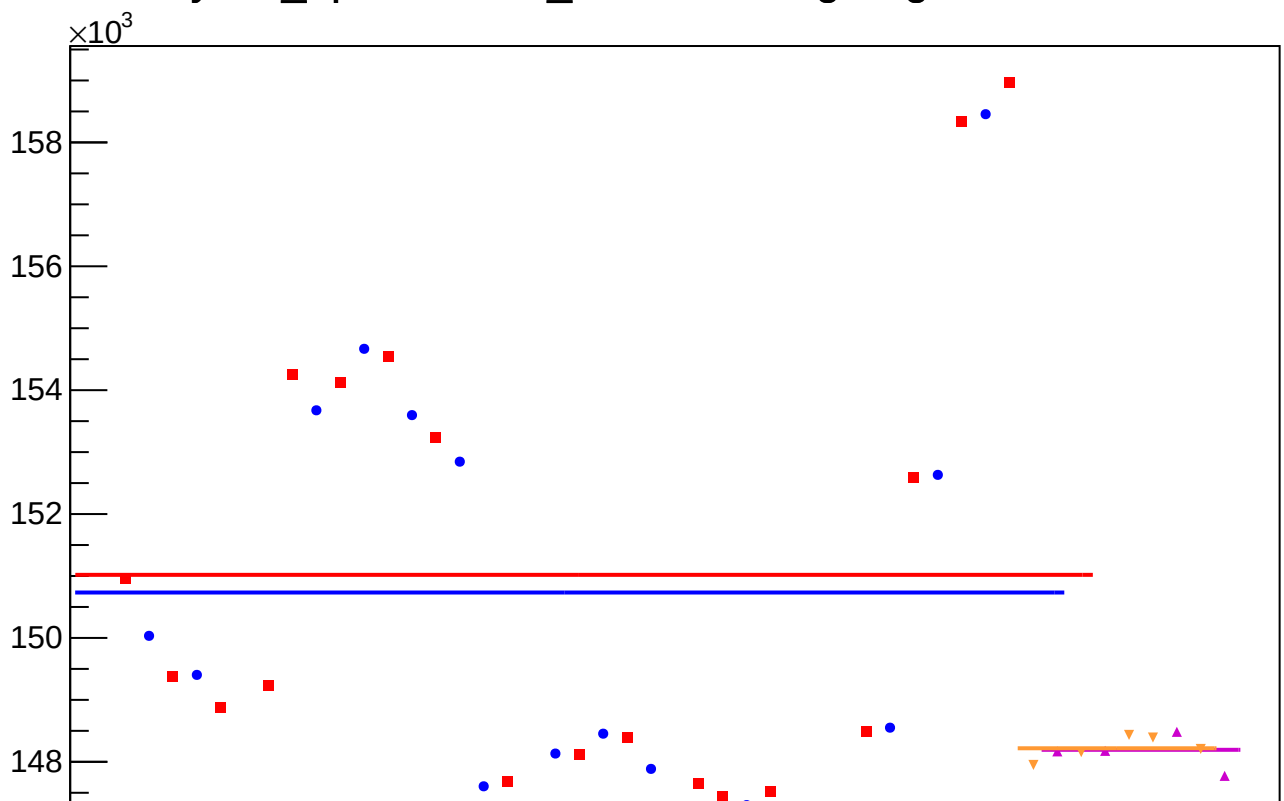
Left: 188.925+/-0.051 χ^2/NDF: 179101.6/8

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 185.882+/-0.042 χ^2/NDF:1061476.8/19

Out: 172.925+/-0.039 χ^2/NDF:1154478.0/23

All: 178.835+/-0.029 χ^2/NDF: 2266684.5/43



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 148218.560+/-0.097 χ^2/NDF:3280721.1/4

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 148193.749+/-0.103 χ^2/NDF:4778924.5/3

Left: 148206.942+/-0.071 χ^2/NDF: 8090254.3/8

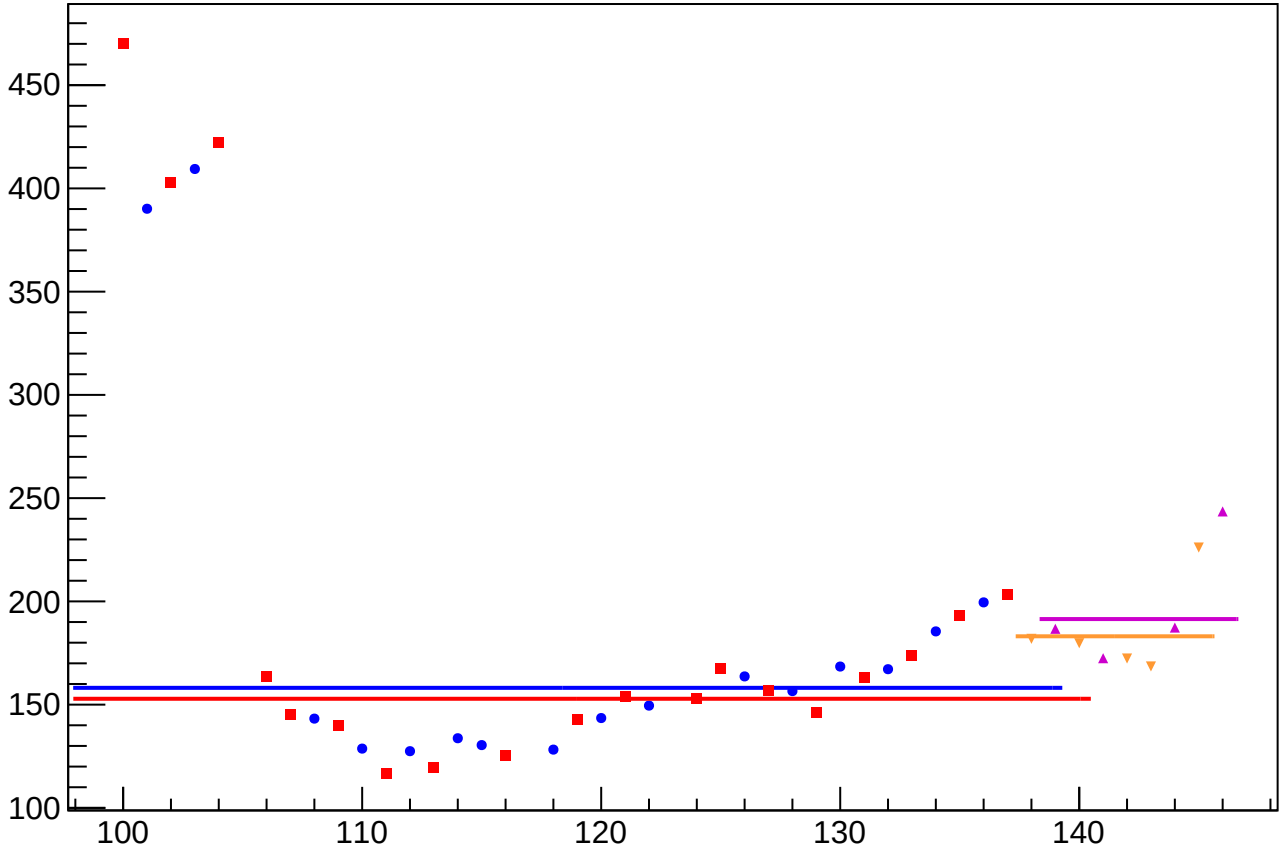
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 150047.524+/-0.054 χ^2/NDF:3728835080.3/19

Out: 150243.109+/-0.051 χ^2/NDF:3891363381.8/2

All: 150150.299+/-0.037 χ^2/NDF: 76271589

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 183.093+/-0.069 χ^2/NDF:73973.4/4

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 191.443+/-0.073 χ^2/NDF:103719.4/3

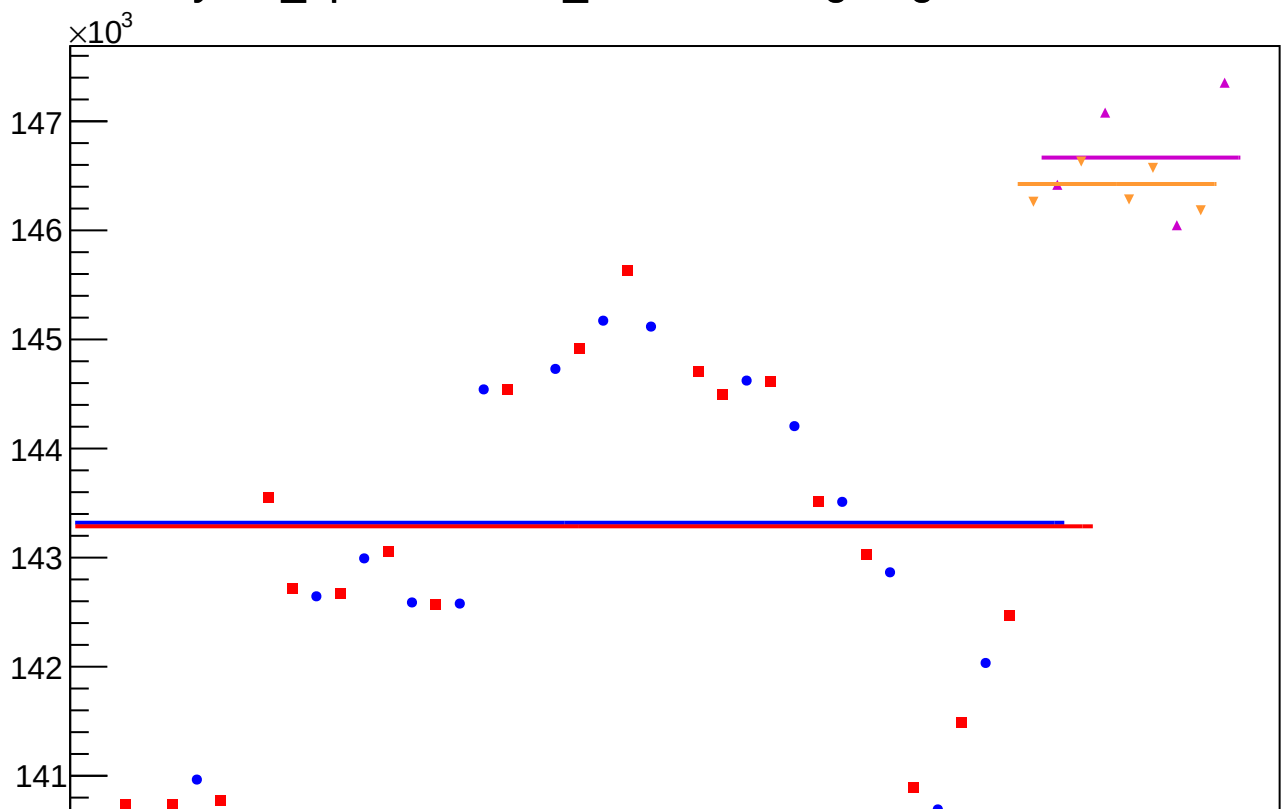
Left: 187.003+/-0.050 χ^2/NDF: 184626.7/8

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 167.131+/-0.038 χ^2/NDF:1450844.9/19

Out: 161.219+/-0.036 χ^2/NDF:1478748.4/23

All: 164.024+/-0.026 χ^2/NDF: 2942316.0/43



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 146425.081+/-0.096 χ^2/NDF:3534031.0/4

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 146667.203+/-0.103 χ^2/NDF:23289444.6/3

Left: 146538.221+/-0.070 χ^2/NDF: 29789375.9/8

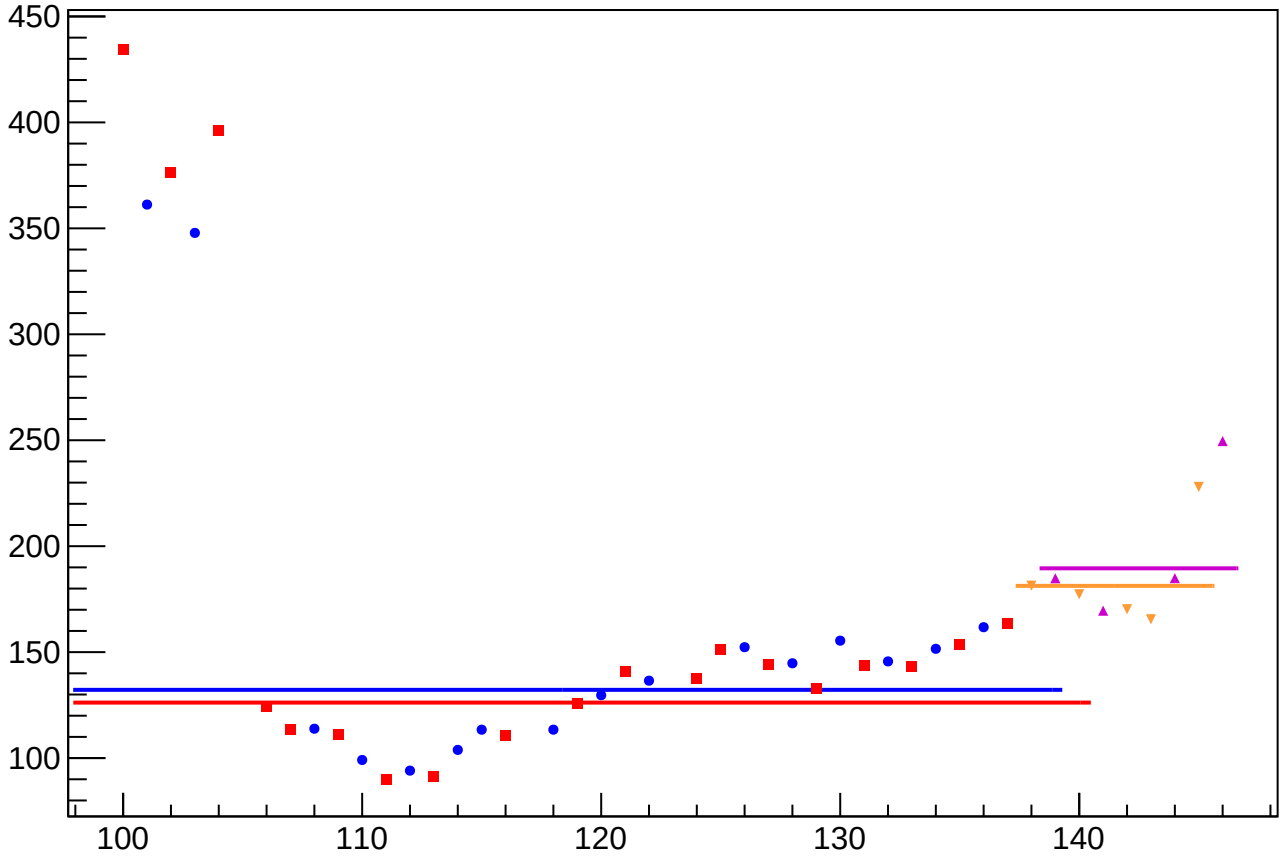
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 144027.234+/-0.047 χ^2/NDF:1421892842.5/19

Out: 143949.264+/-0.044 χ^2/NDF:1465247468.0/2

All: 143985.668+/-0.032 χ^2/NDF: 28885964

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 181.273+/-0.068 χ^2/NDF:86127.3/4

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 189.553+/-0.073 χ^2/NDF:127925.5/3

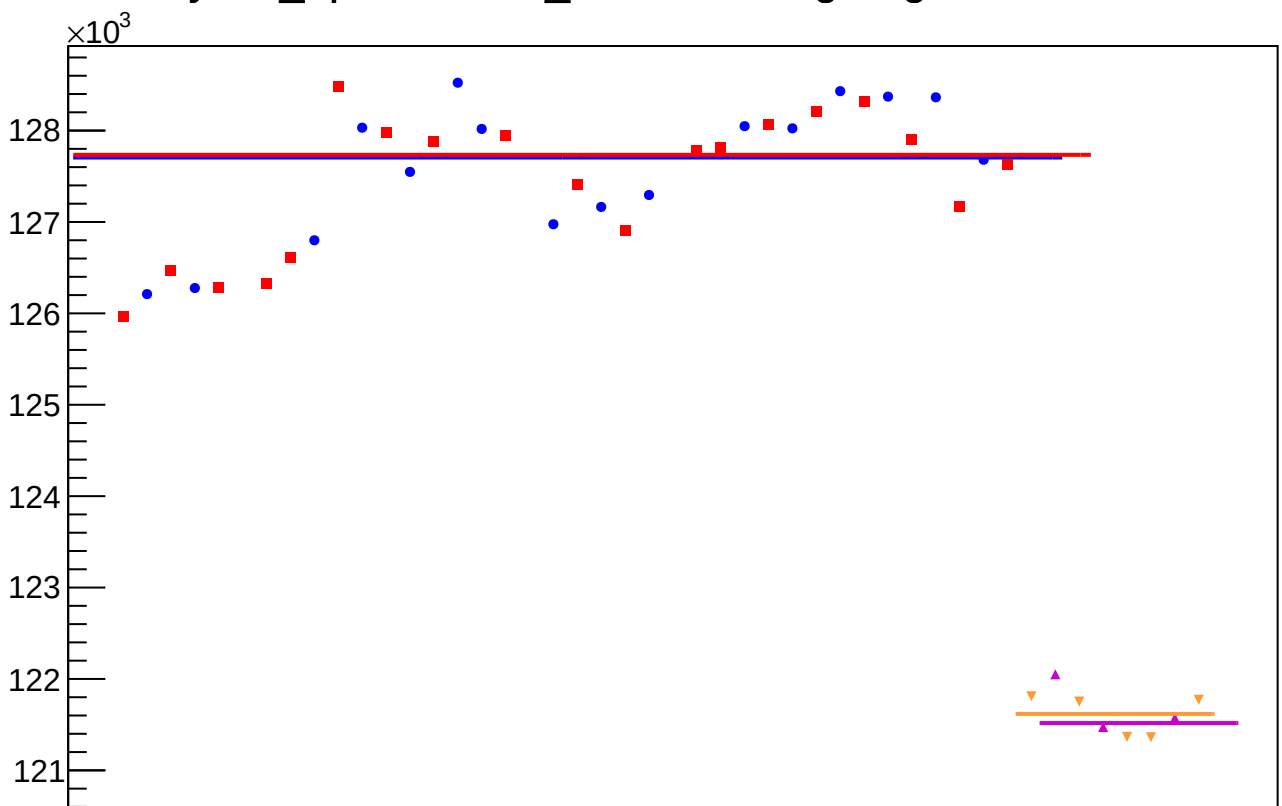
Left: 185.142+/-0.050 χ^2/NDF: 220990.8/8

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 144.326+/-0.033 χ^2/NDF:1999751.0/19

Out: 137.816+/-0.031 χ^2/NDF:2149480.0/23

All: 140.856+/-0.023 χ^2/NDF: 4169533.4/43



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121617.368+/-0.083 χ^2/NDF:5911973.7/4

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 121517.592+/-0.089 χ^2/NDF:27878484.2/3

Left: 121570.583+/-0.061 χ^2/NDF: 34460160.4/8

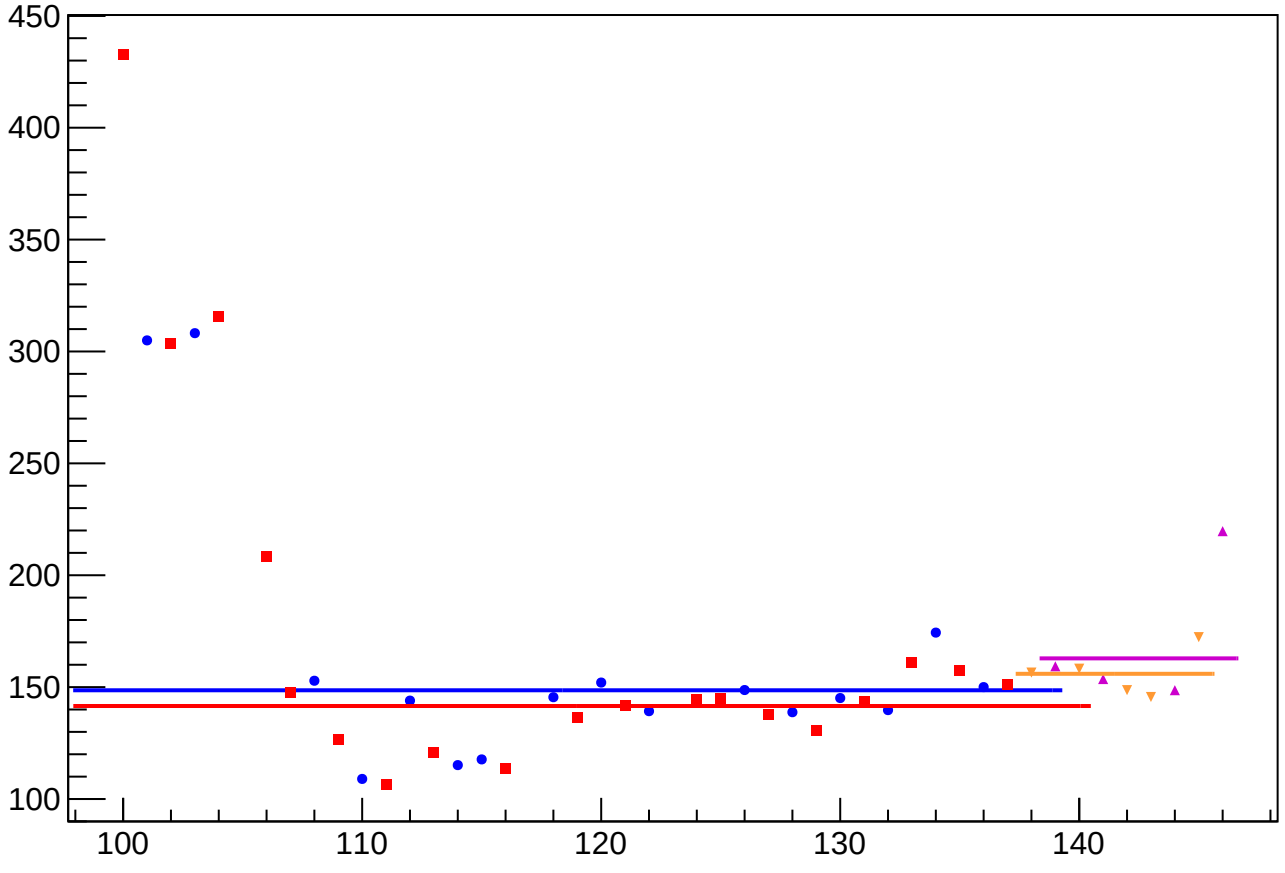
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 125837.820+/-0.049 χ^2/NDF:3518413293.4/19

Out: 125887.297+/-0.046 χ^2/NDF:3862709787.4/2

All: 125864.090+/-0.033 χ^2/NDF: 73816686

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 155.953+/-0.059 χ^2/NDF:24261.1/4

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 162.848+/-0.063 χ^2/NDF:138379.5/3

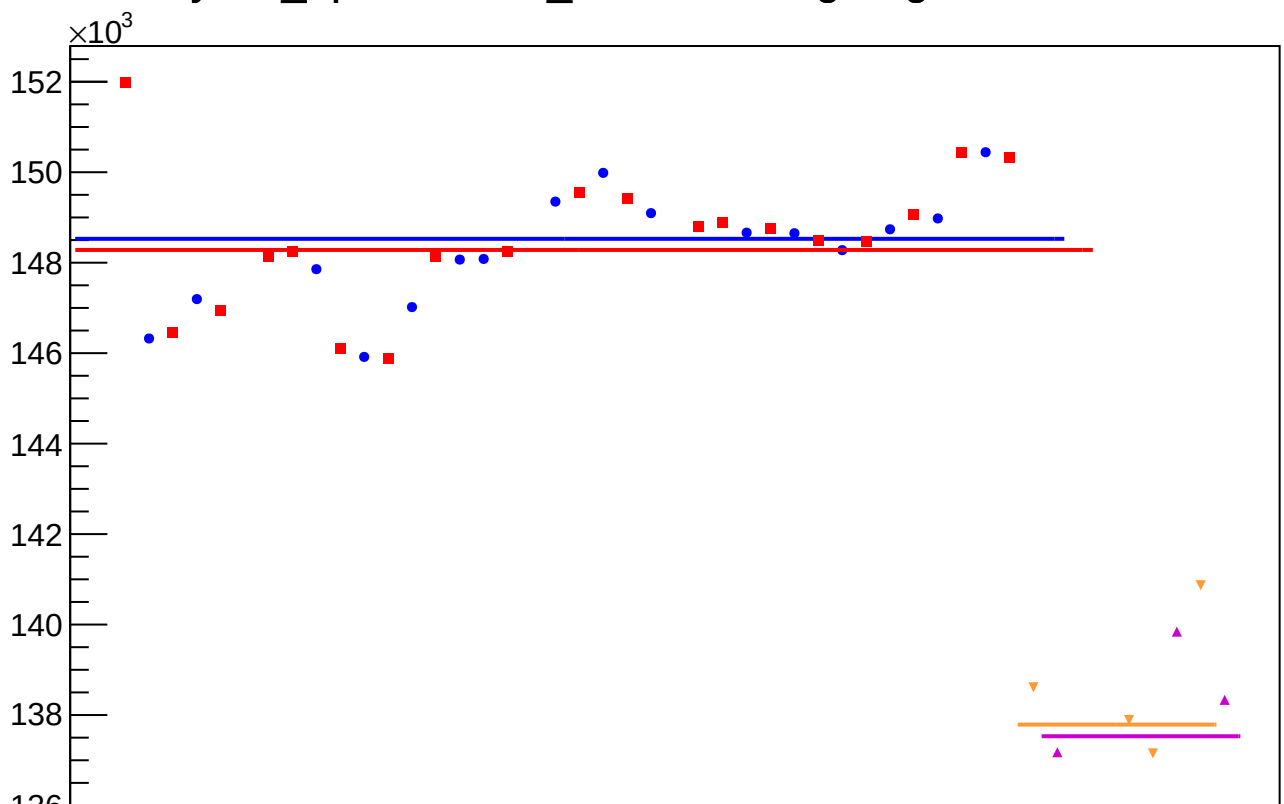
Left: 159.186+/-0.043 χ^2/NDF: 169038.2/8

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 152.895+/-0.035 χ^2/NDF:1002024.7/19

Out: 145.908+/-0.032 χ^2/NDF:1066957.1/23

All: 149.186+/-0.024 χ^2/NDF: 2090738.5/43



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 137788.505+/-0.125 χ^2/NDF:175923734.2/4

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 137531.127+/-0.133 χ^2/NDF:140593880.9/3

Left: 137668.109+/-0.091 χ^2/NDF: 318506266.5/8

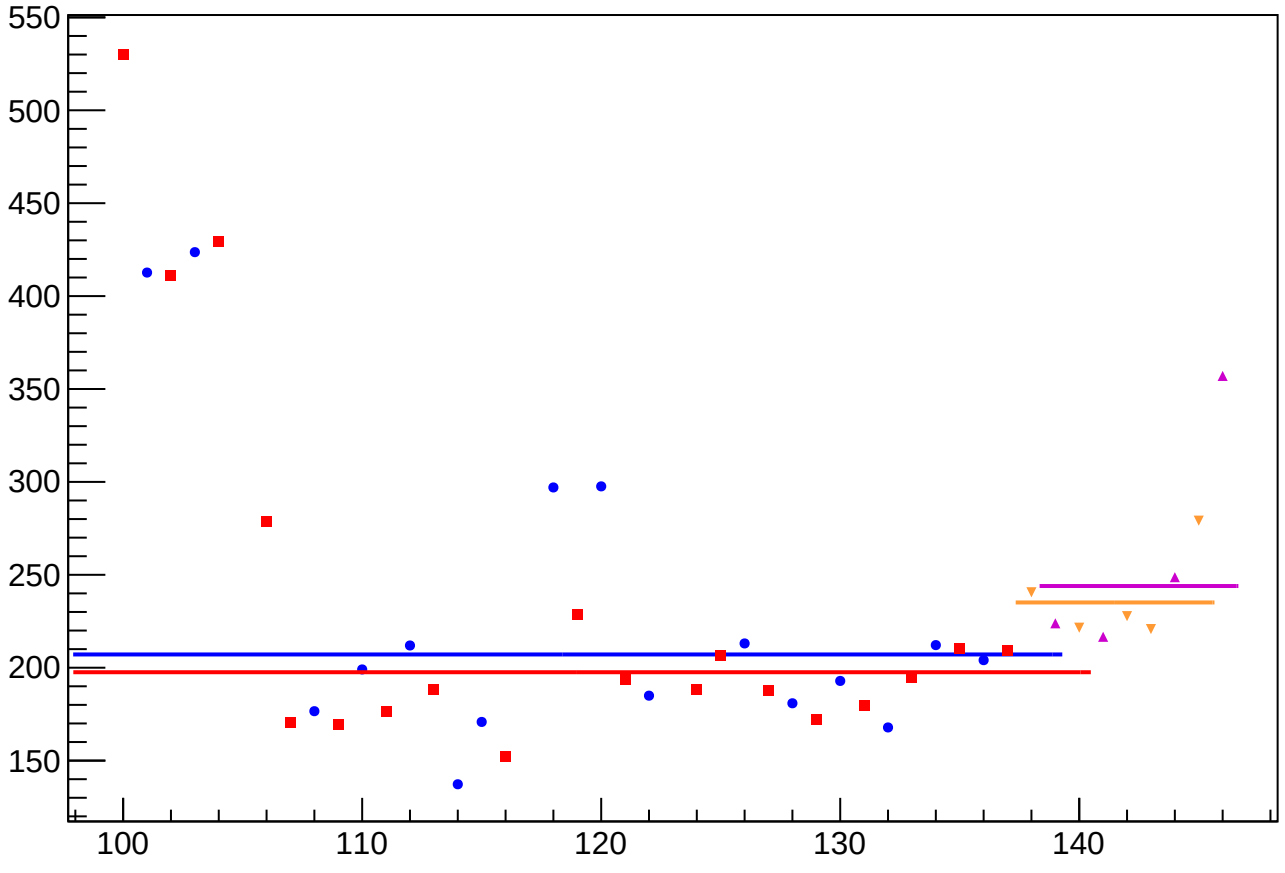
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 145507.037+/-0.070 χ^2/NDF:5297026438.1/19

Out: 145411.221+/-0.065 χ^2/NDF:5603972882.2/2

All: 145455.945+/-0.048 χ^2/NDF: 10902004

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 235.118+/-0.088 χ^2/NDF:53833.3/4

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 243.967+/-0.094 χ^2/NDF:216913.0/3

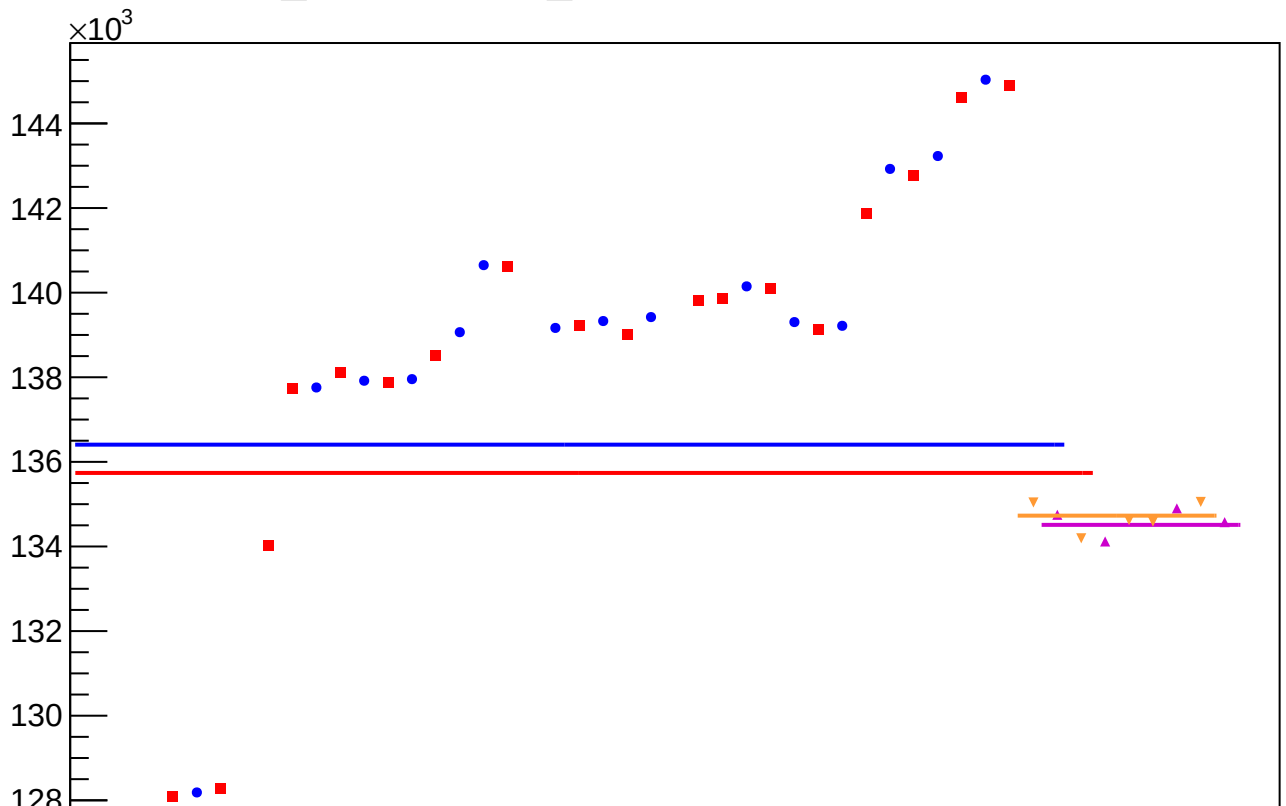
Left: 239.257+/-0.064 χ^2/NDF: 275447.2/8

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 217.252+/-0.049 χ^2/NDF:1300129.7/19

Out: 207.843+/-0.046 χ^2/NDF:1089279.3/23

All: 212.235+/-0.034 χ^2/NDF: 2408796.7/43



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 134728.935+/-0.271 χ^2/NDF:1472258.8/4

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 134510.833+/-0.302 χ^2/NDF:1105902.8/3

Left: 134631.918+/-0.202 χ^2/NDF: 2866896.3/8

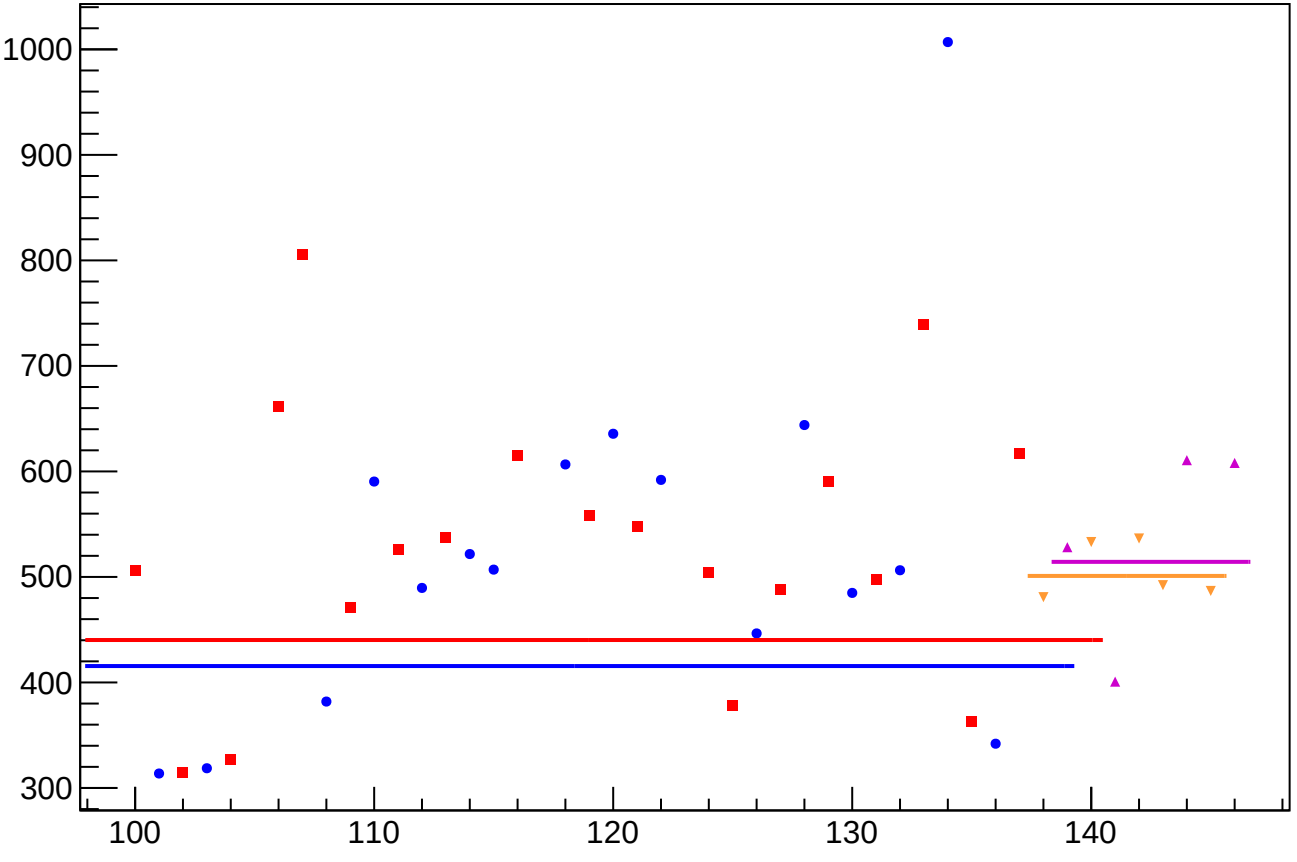
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 135957.459+/-0.147 χ^2/NDF:1608165957.0/19

Out: 135436.887+/-0.148 χ^2/NDF:1185347970.9/2

All: 135698.417+/-0.104 χ^2/NDF: 279973353

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 500.962+/-0.191 χ^2/NDF:13420.4/4

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 514.294+/-0.214 χ^2/NDF:186230.4/3

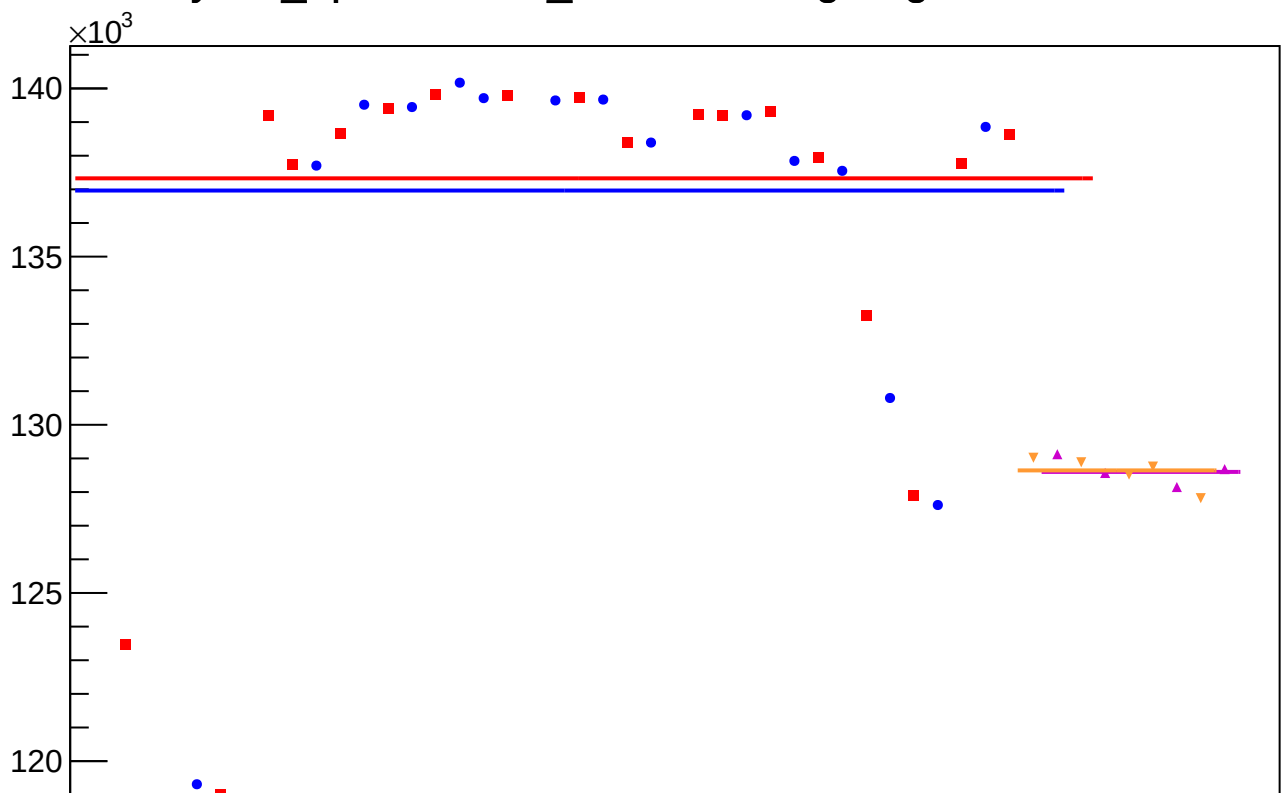
Left: 506.893+/-0.143 χ^2/NDF: 201808.6/8

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 438.955+/-0.104 χ^2/NDF:1380506.5/19

Out: 458.362+/-0.105 χ^2/NDF:994832.3/23

All: 448.612+/-0.074 χ^2/NDF: 2392626.1/43



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128643.877+/-0.090 χ^2/NDF:21030512.9/4

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 128599.328+/-0.098 χ^2/NDF:14327443.1/3

Left: 128623.365+/-0.066 χ^2/NDF: 35470375.9/8

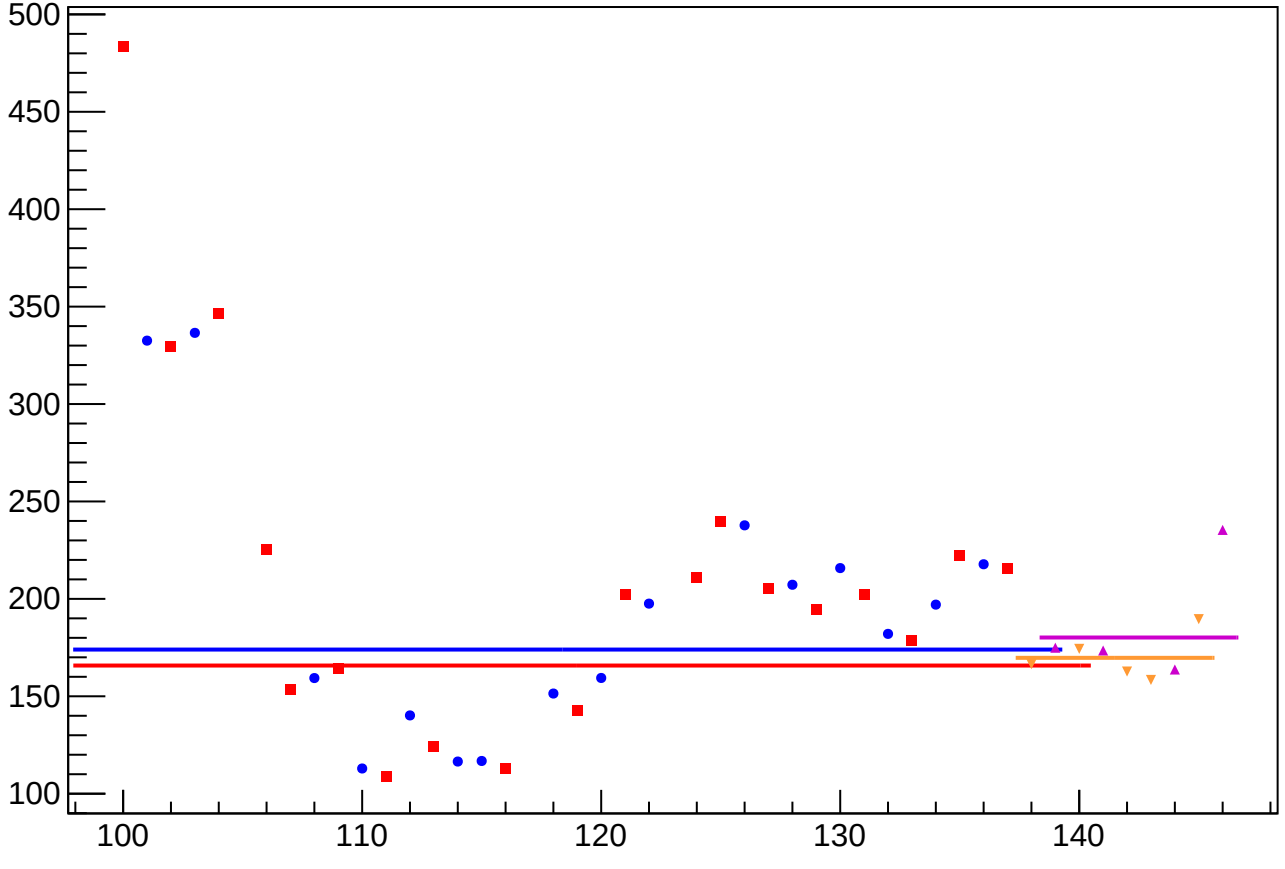
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 134137.970+/-0.057 χ^2/NDF:10686354674.8/

Out: 134319.911+/-0.053 χ^2/NDF:11822382993.

All: 134235.025+/-0.039 χ^2/NDF: 2251422

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 169.733+/-0.064 χ^2/NDF:28709.0/4

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 180.166+/-0.069 χ^2/NDF:118490.9/3

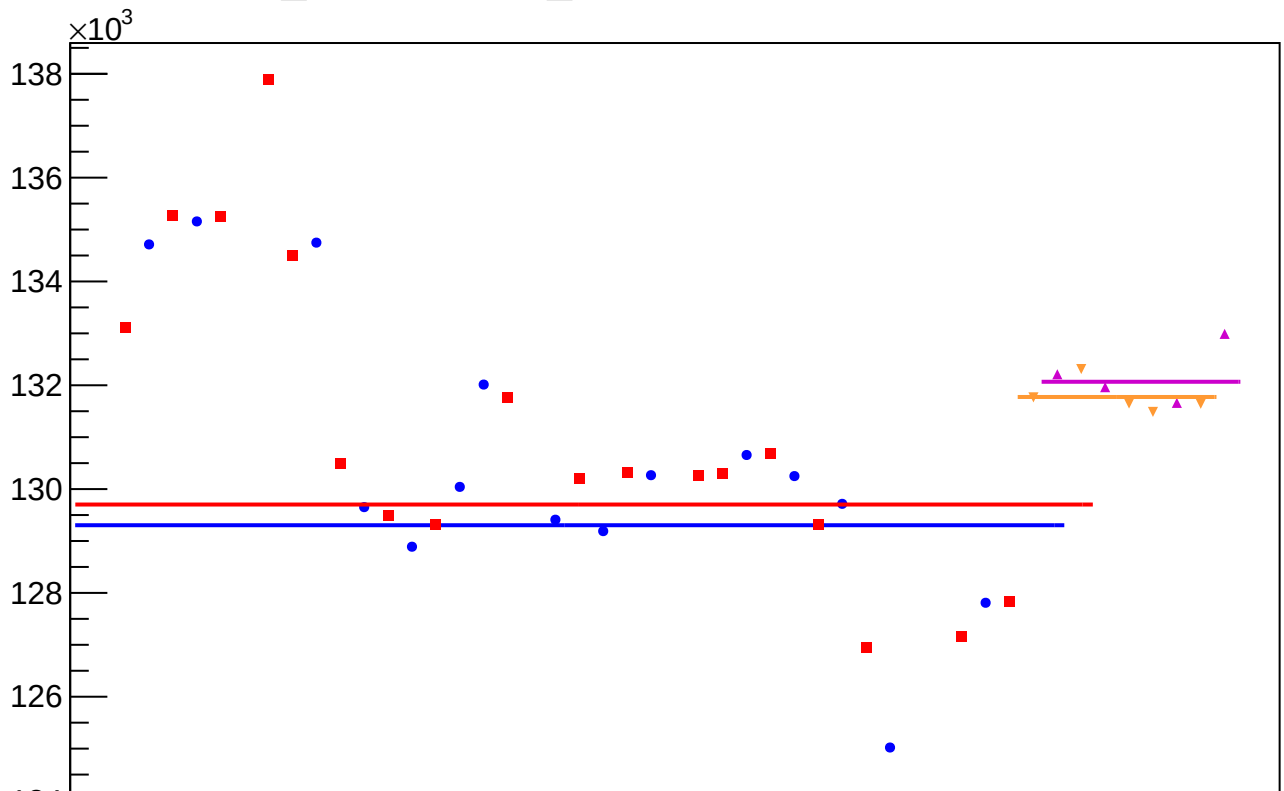
Left: 174.536+/-0.047 χ^2/NDF: 159531.2/8

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 176.071+/-0.040 χ^2/NDF:1312300.0/19

Out: 167.149+/-0.038 χ^2/NDF:1464383.6/23

All: 171.312+/-0.027 χ^2/NDF: 2803068.3/43



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131774.439+/-0.089 χ^2/NDF:11260592.4/4

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132067.489+/-0.097 χ^2/NDF:18482947.2/3

Left: 131908.322+/-0.065 χ^2/NDF: 34746047.2/8

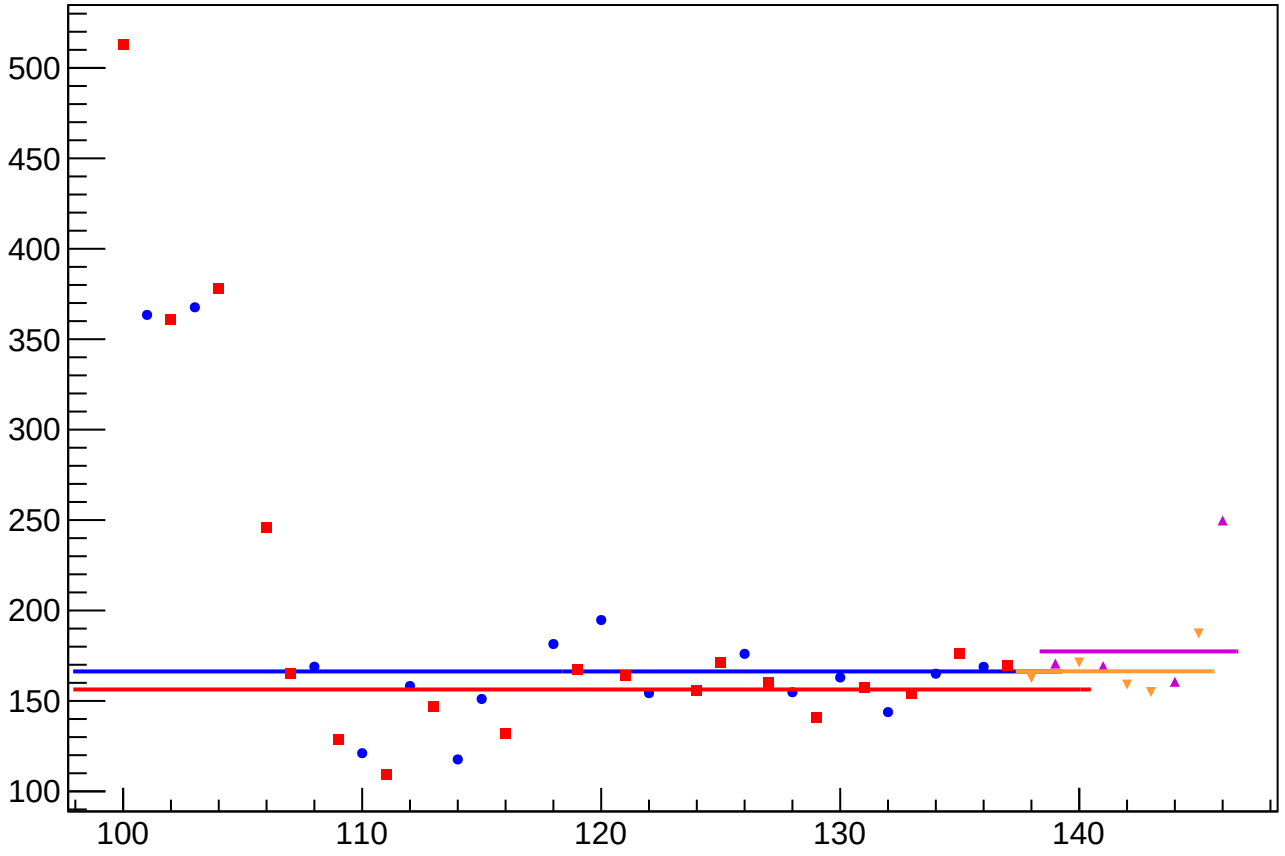
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130187.525+/-0.055 χ^2/NDF:2225924588.0/19

Out: 130377.279+/-0.051 χ^2/NDF:2158070921.3/2

All: 130289.724+/-0.037 χ^2/NDF: 43905003

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 166.372+/-0.063 χ^2/NDF:32182.9/4

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 177.377+/-0.068 χ^2/NDF:172436.0/3

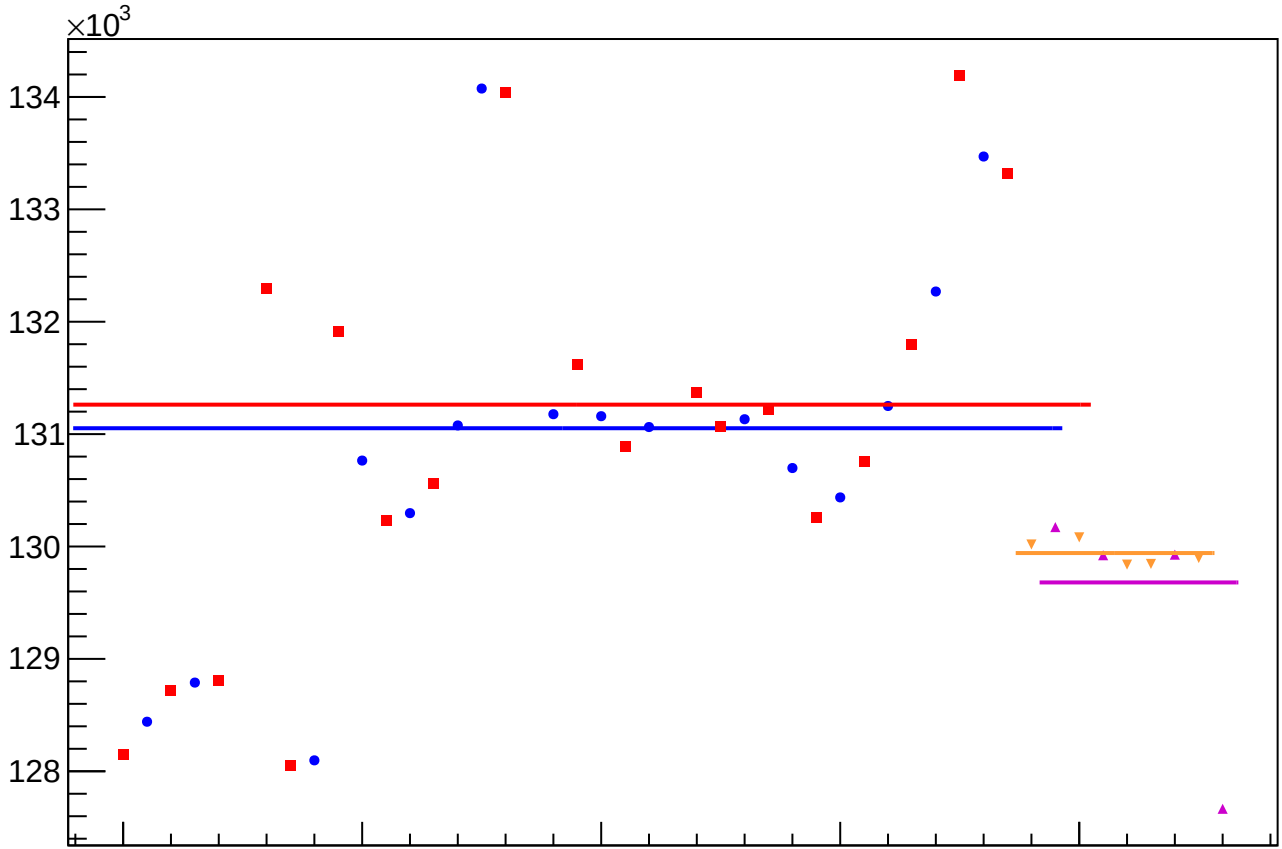
Left: 171.400+/-0.046 χ^2/NDF: 218728.8/8

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 169.843+/-0.039 χ^2/NDF:1128281.0/19

Out: 159.603+/-0.036 χ^2/NDF:1222345.8/23

All: 164.328+/-0.026 χ^2/NDF: 2388516.4/43



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129941.793+/-0.085 χ^2/NDF:1325301.2/4

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 129680.248+/-0.093 χ^2/NDF:75977108.8/3

Left: 129822.899+/-0.063 χ^2/NDF: 81610988.5/8

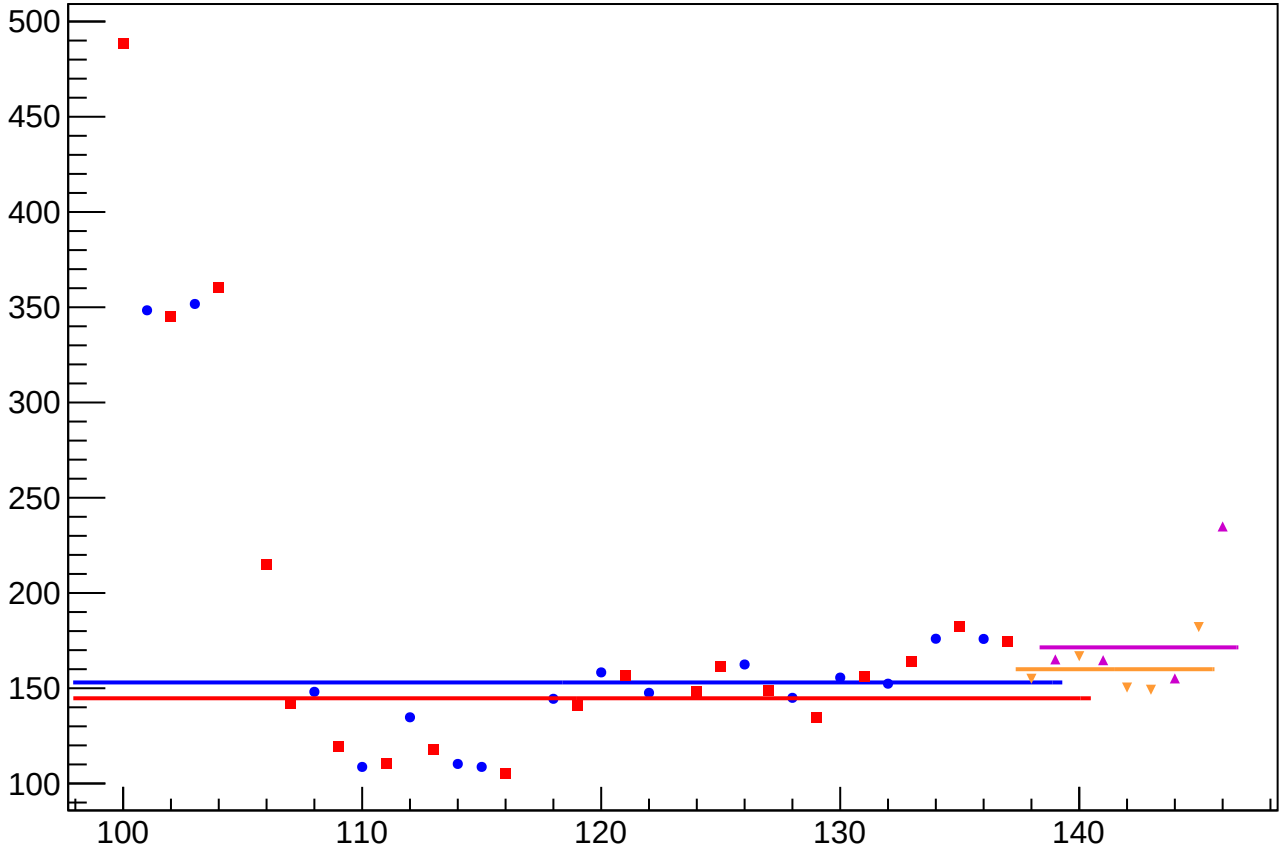
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 130643.409+/-0.051 χ^2/NDF:752313794.9/19

Out: 130855.664+/-0.047 χ^2/NDF:772803110.7/23

All: 130757.467+/-0.035 χ^2/NDF: 15344961

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 159.985+/-0.060 χ^2/NDF:39271.9/4

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 171.456+/-0.066 χ^2/NDF:152802.7/3

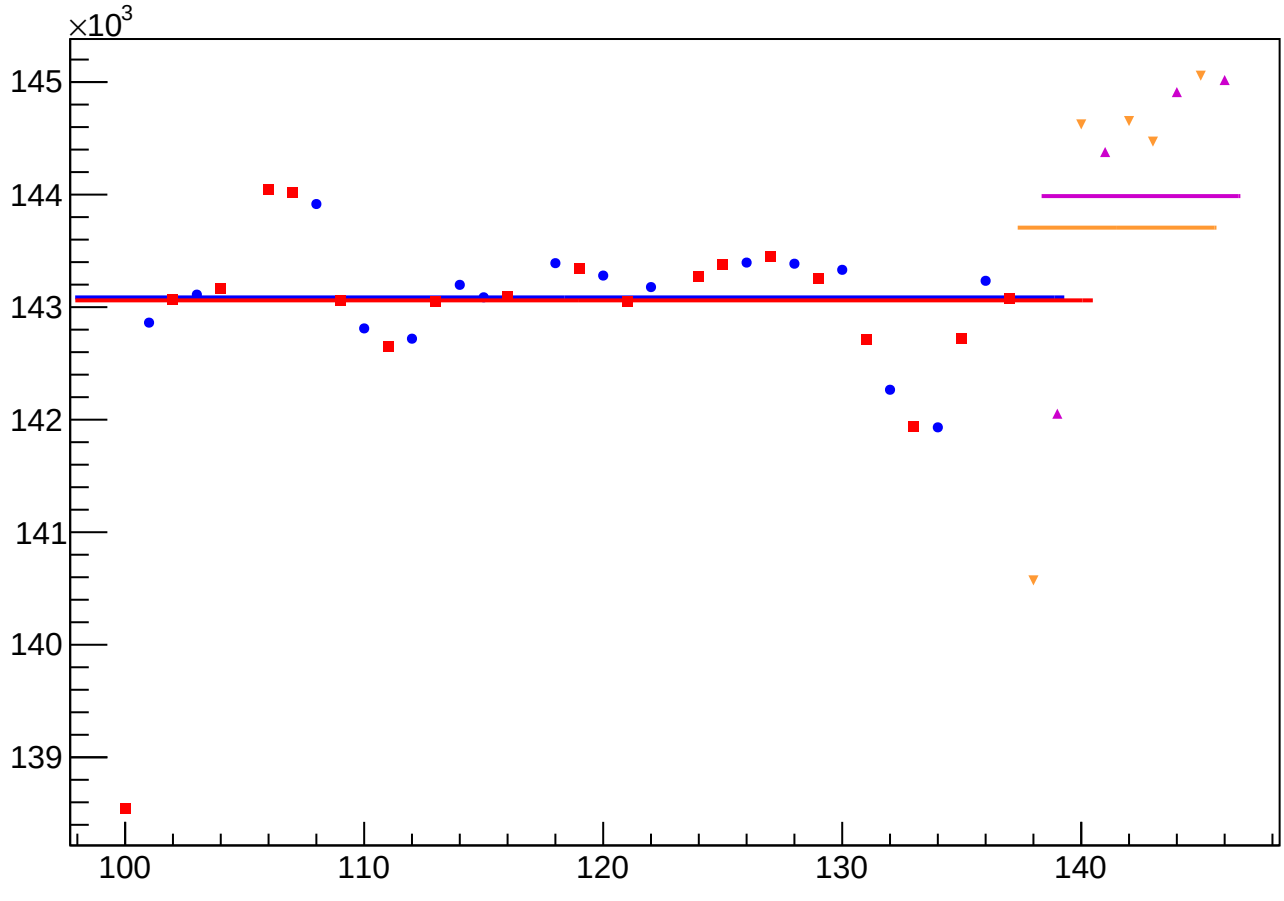
Left: 165.200+/-0.044 χ^2/NDF: 208650.9/8

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 158.531+/-0.036 χ^2/NDF:1267241.2/19

Out: 149.428+/-0.033 χ^2/NDF:1347324.9/23

All: 153.639+/-0.024 χ^2/NDF: 2649074.4/43



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 143706.483+/-0.101 χ^2/NDF:302648108.0/4

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 143986.784+/-0.109 χ^2/NDF:125854931.2/3

Left: 143836.224+/-0.074 χ^2/NDF: 432063185.0/8

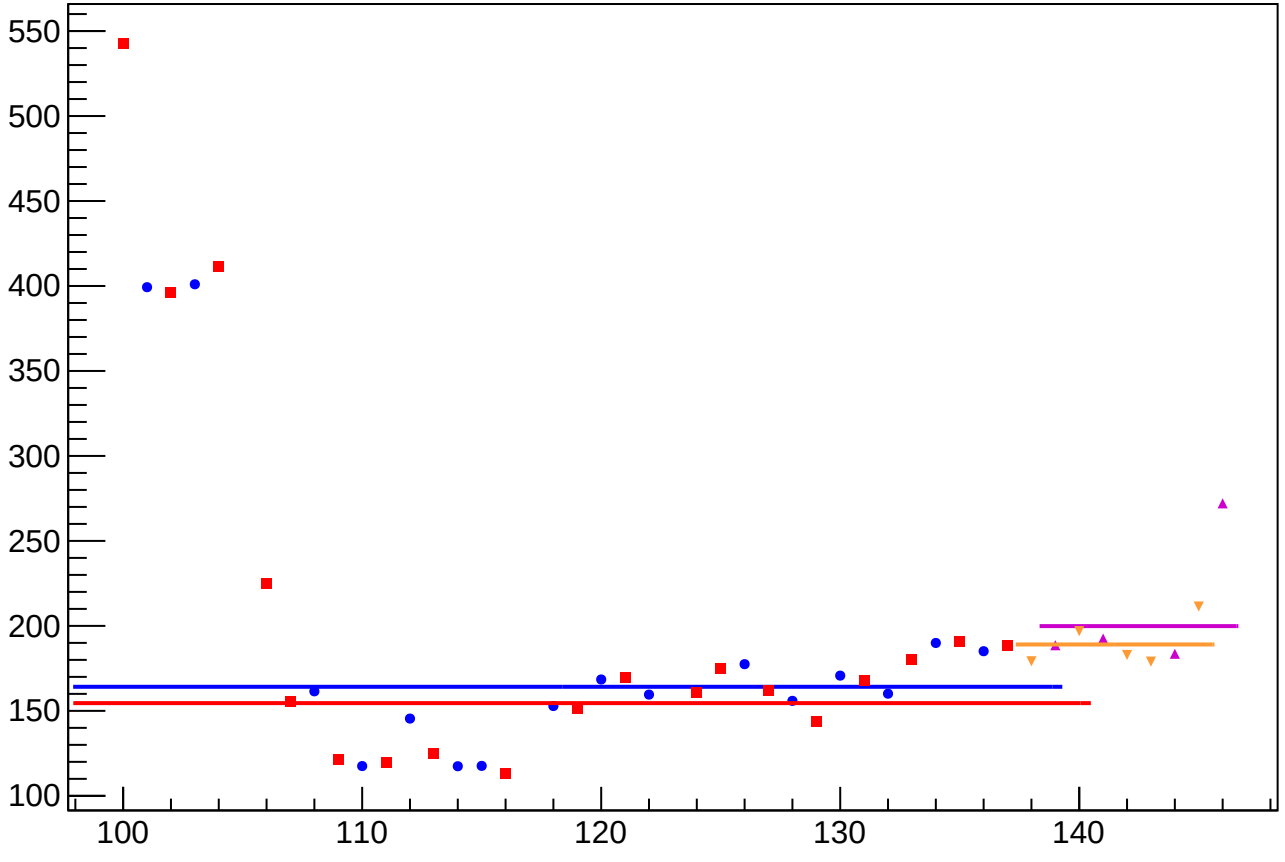
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143323.493+/-0.056 χ^2/NDF:222957884.5/19

Out: 143231.383+/-0.052 χ^2/NDF:384419418.3/23

All: 143274.150+/-0.038 χ^2/NDF: 60883697

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 189.061+/-0.071 χ^2/NDF:30456.6/4

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 199.869+/-0.077 χ^2/NDF:145638.9/3

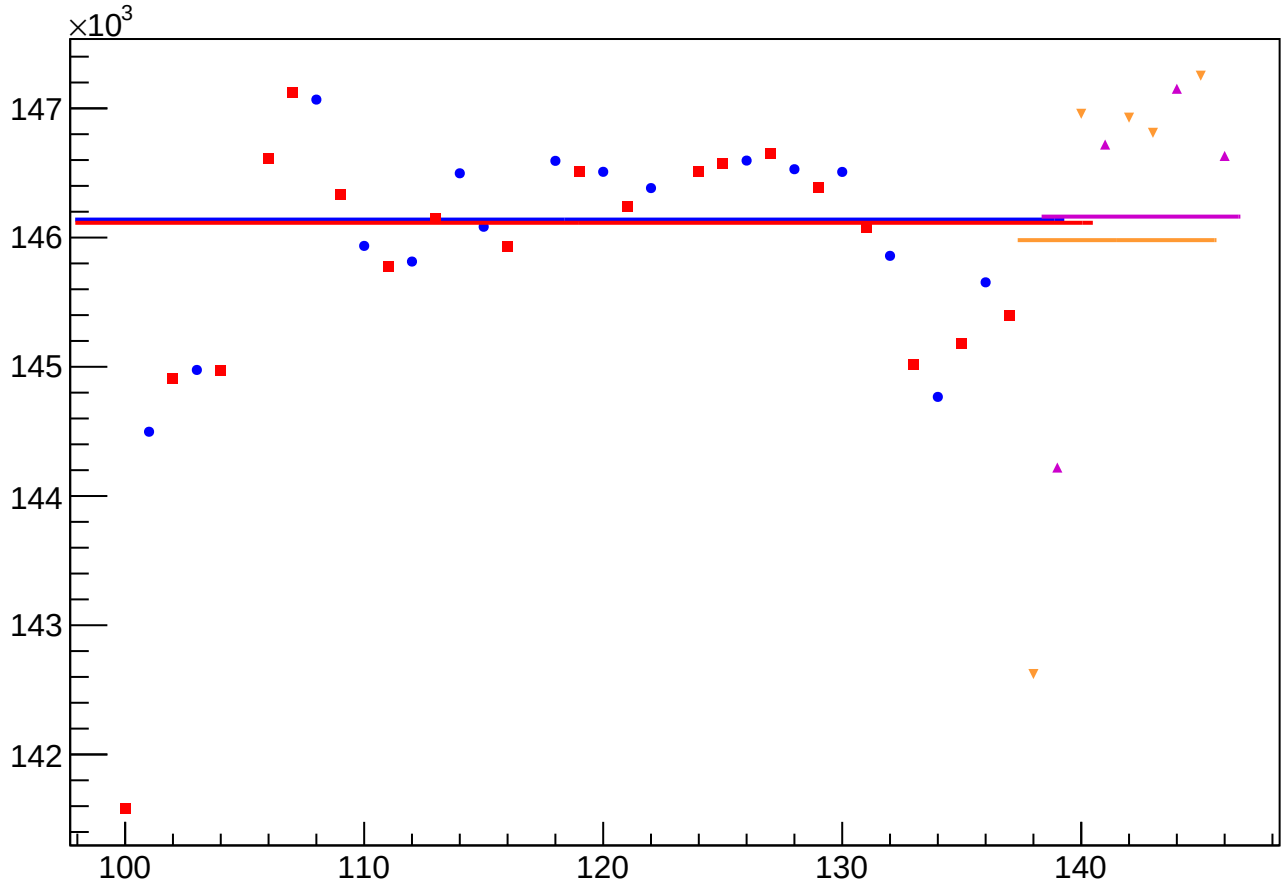
Left: 194.064+/-0.052 χ^2/NDF: 186682.0/8

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 173.566+/-0.040 χ^2/NDF:1433849.1/19

Out: 163.694+/-0.037 χ^2/NDF:1568651.8/23

All: 168.278+/-0.027 χ^2/NDF: 3035956.0/43



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145980.102+/-0.099 χ^2/NDF:342314817.6/4

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 146162.238+/-0.108 χ^2/NDF:125303596.4/3

Left: 146063.379+/-0.073 χ^2/NDF: 469166943.8/8

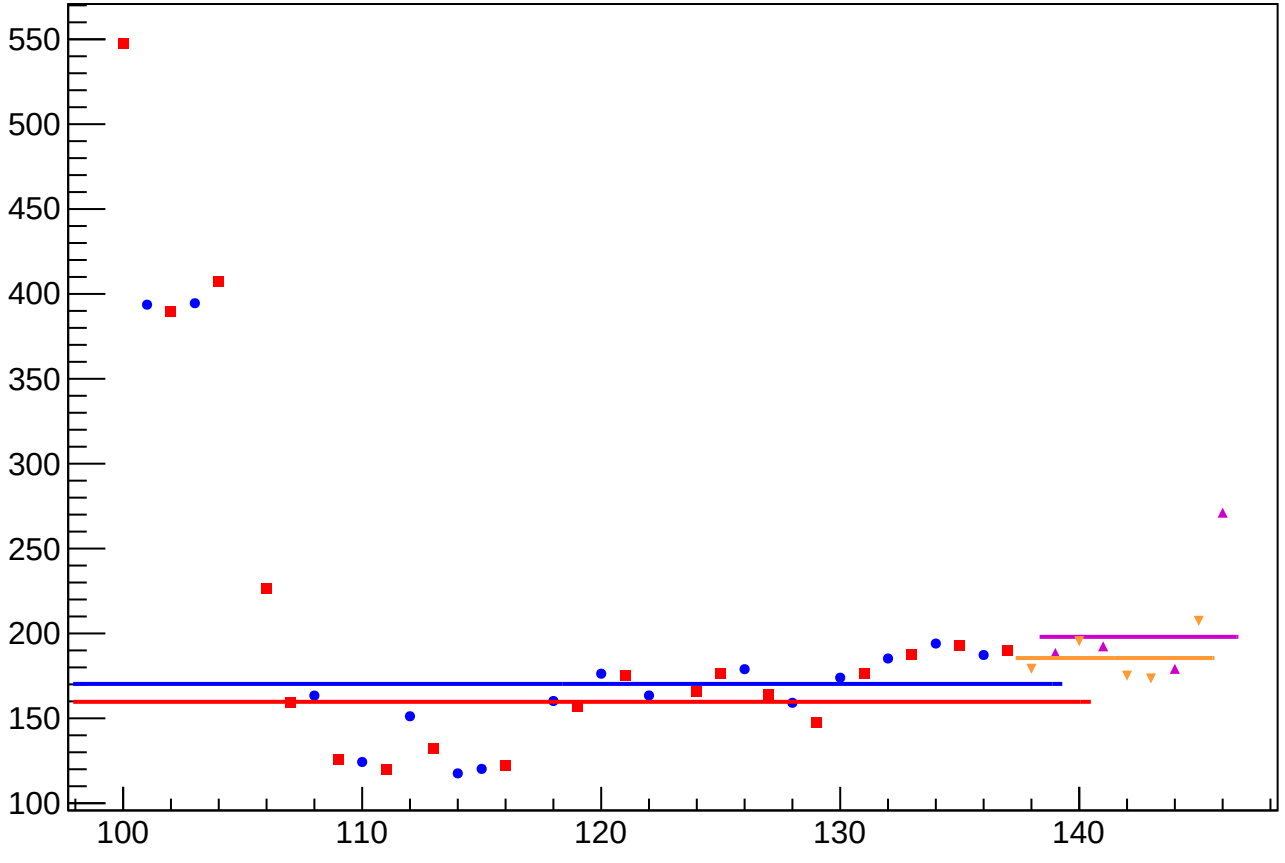
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146145.698+/-0.057 χ^2/NDF:197058158.9/19

Out: 146076.171+/-0.053 χ^2/NDF:416734646.9/23

All: 146108.210+/-0.039 χ^2/NDF: 61459086

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 185.525+/-0.070 χ^2/NDF:33971.3/4

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 198.001+/-0.076 χ^2/NDF:152139.2/3

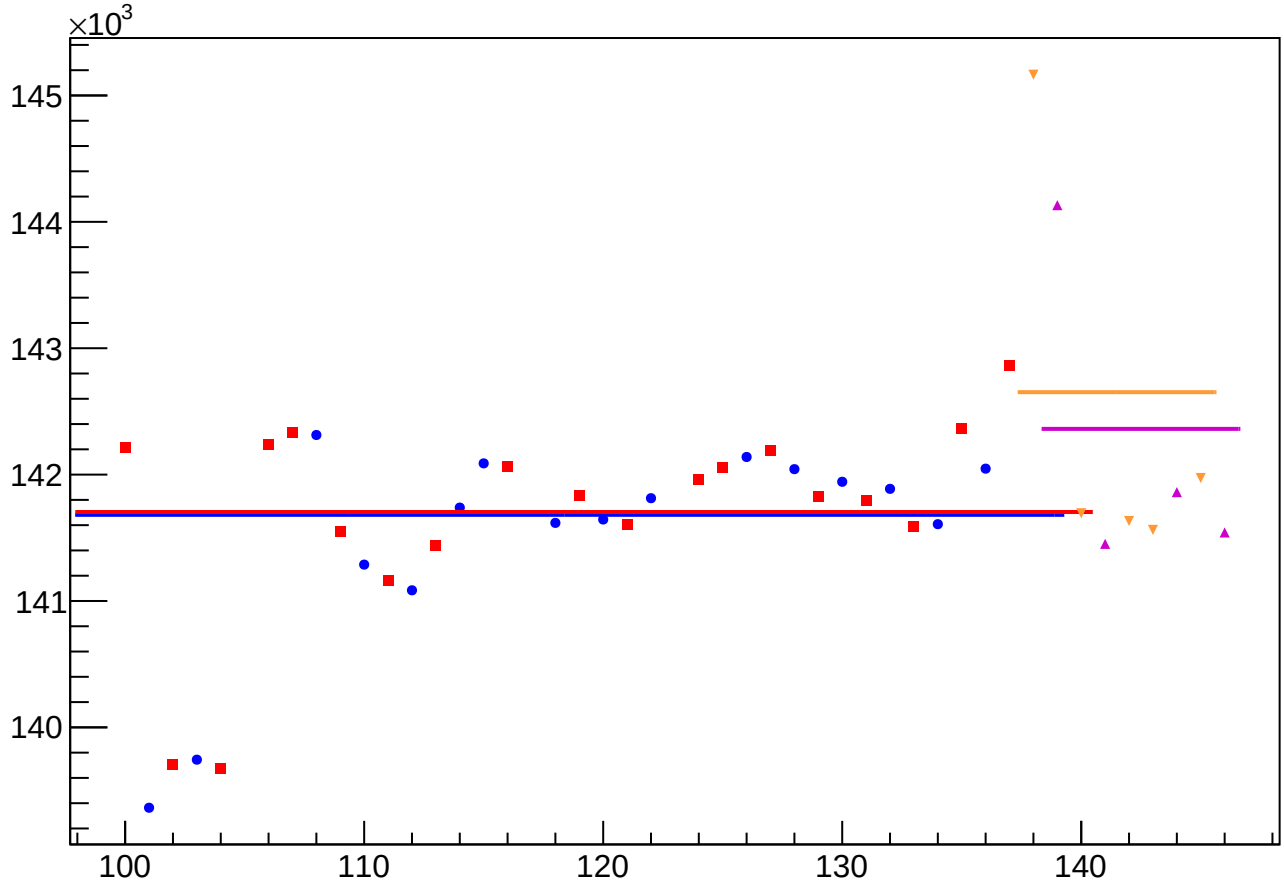
Left: 191.229+/-0.052 χ^2/NDF: 200640.2/8

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 178.065+/-0.040 χ^2/NDF:1304828.3/19

Out: 167.077+/-0.037 χ^2/NDF:1422456.6/23

All: 172.140+/-0.027 χ^2/NDF: 2767154.3/43



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142652.317+/-0.111 χ^2/NDF:191106496.7/4

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 142361.841+/-0.120 χ^2/NDF:91111957.5/3

Left: 142517.689+/-0.082 χ^2/NDF: 285376956.6/8

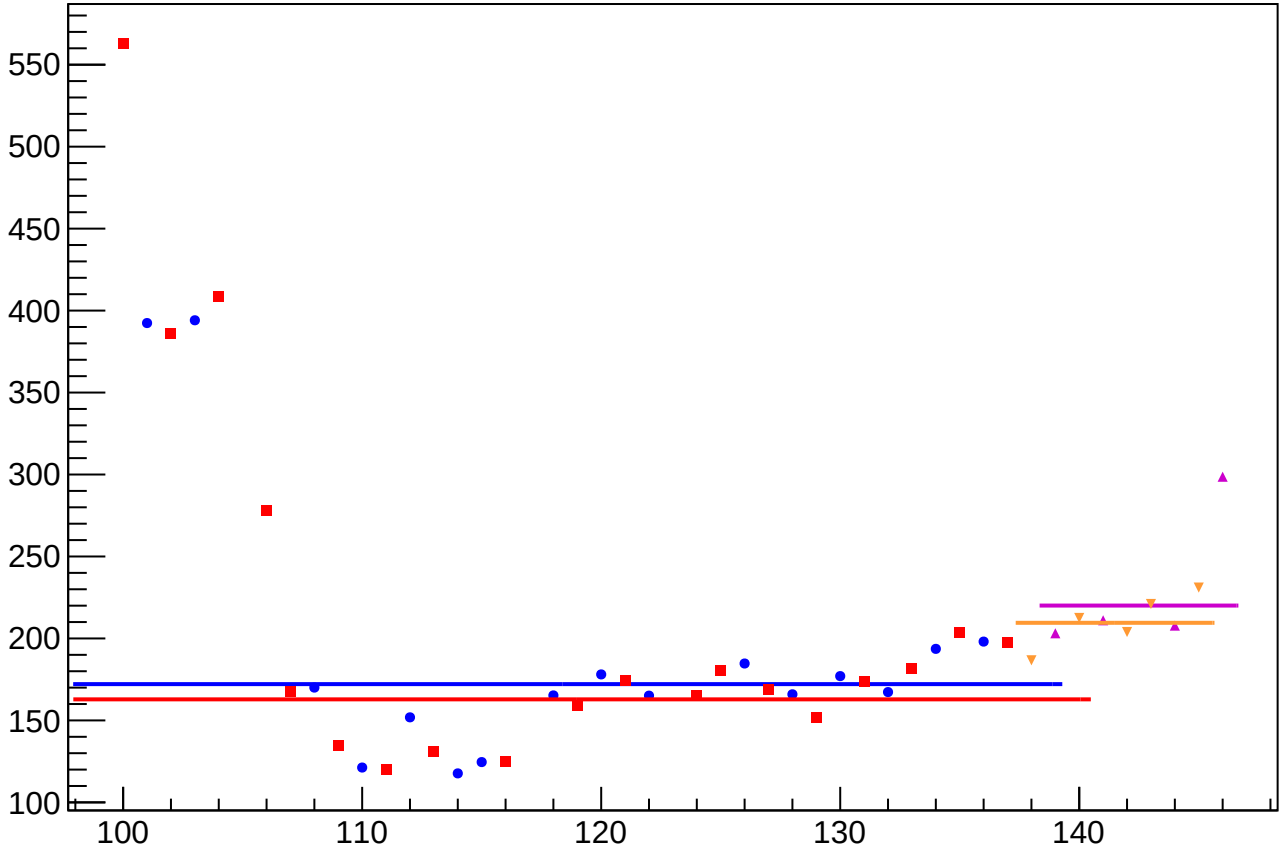
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 141848.708+/-0.059 χ^2/NDF:179749771.7/19

Out: 141938.735+/-0.055 χ^2/NDF:311278315.7/23

All: 141896.829+/-0.040 χ^2/NDF: 49225982

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 209.540+/-0.079 χ^2/NDF:41876.6/4

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 220.061+/-0.085 χ^2/NDF:141202.4/3

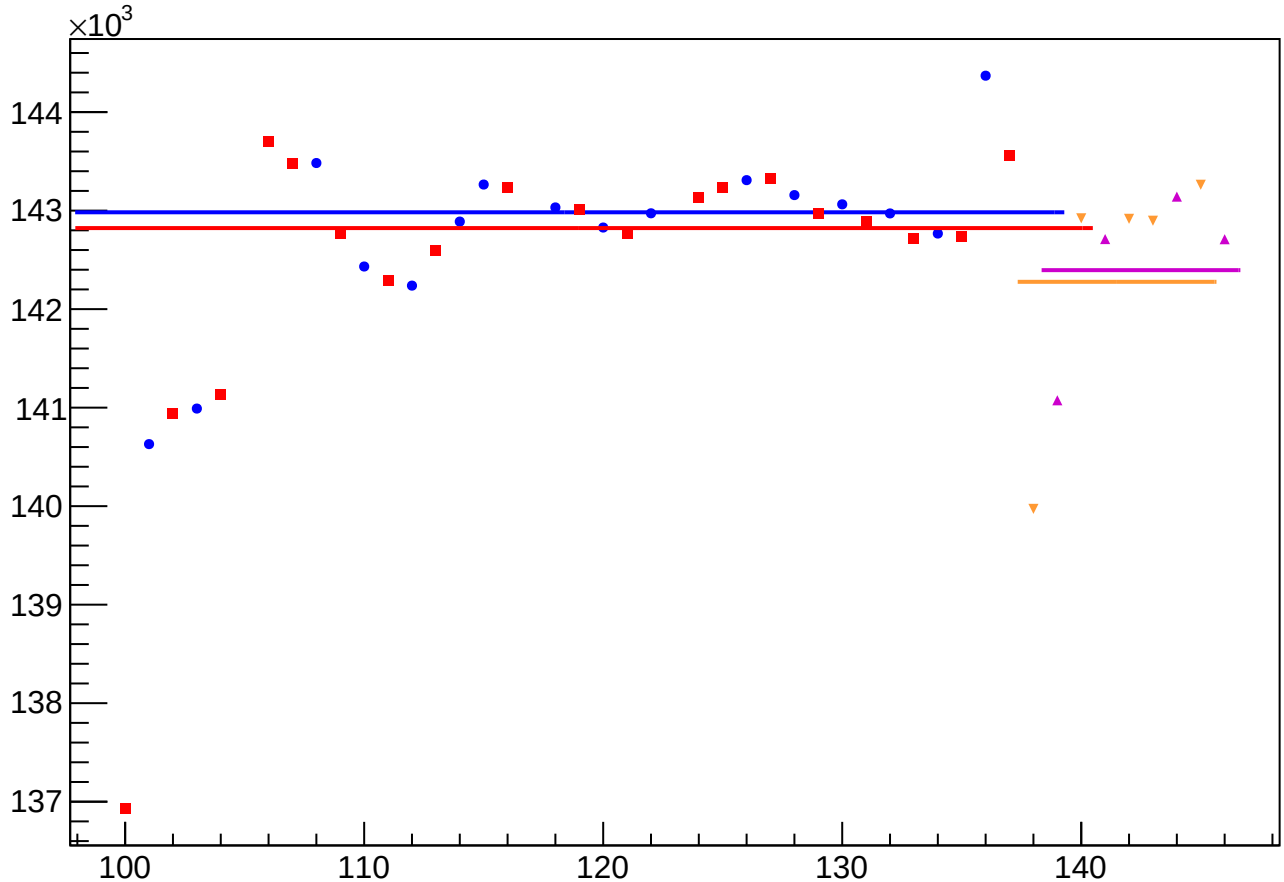
Left: 214.416+/-0.058 χ^2/NDF: 191366.2/8

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 183.898+/-0.042 χ^2/NDF:1451615.4/19

Out: 174.396+/-0.039 χ^2/NDF:1612823.1/23

All: 178.819+/-0.029 χ^2/NDF: 3091882.9/43



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142277.276+/-0.096 χ^2/NDF:179811716.1/4

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142395.717+/-0.105 χ^2/NDF:63353357.1/3

Left: 142331.372+/-0.071 χ^2/NDF: 243857840.6/8

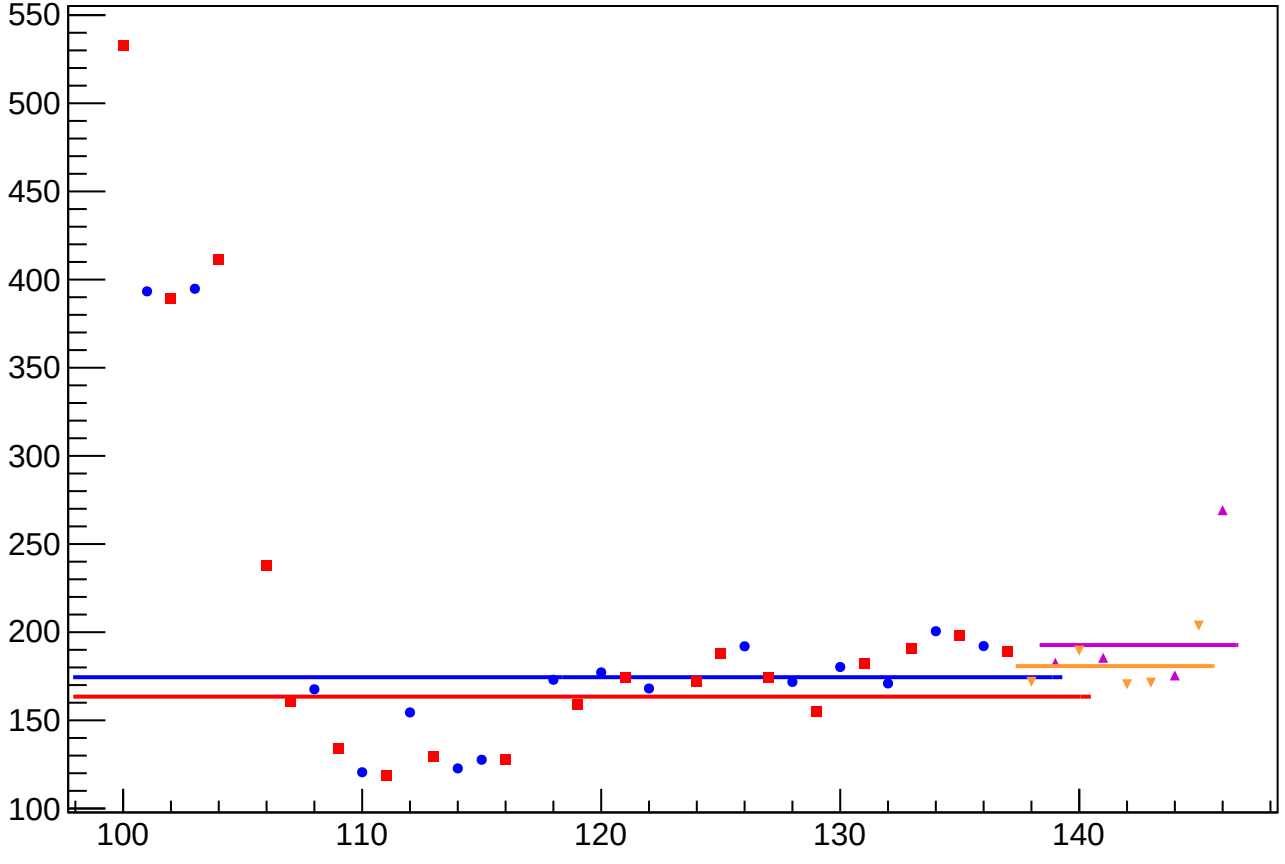
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142805.217+/-0.058 χ^2/NDF:192910548.7/19

Out: 142655.190+/-0.053 χ^2/NDF:265680900.9/23

All: 142724.252+/-0.039 χ^2/NDF: 46223878

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 180.747+/-0.068 χ^2/NDF:35355.3/4

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 192.707+/-0.074 χ^2/NDF:166145.4/3

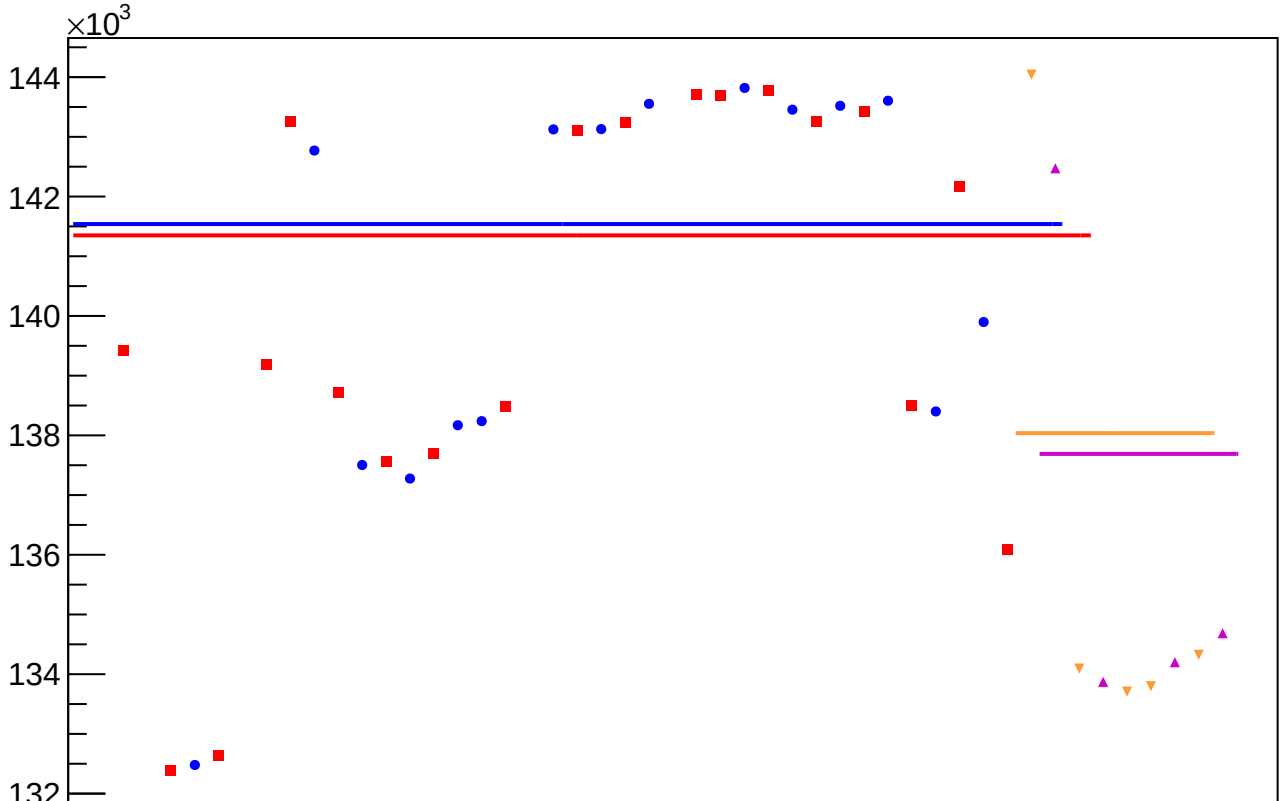
Left: 186.209+/-0.050 χ^2/NDF: 215629.4/8

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 179.989+/-0.041 χ^2/NDF:1257447.0/19

Out: 168.762+/-0.038 χ^2/NDF:1362683.4/23

All: 173.930+/-0.028 χ^2/NDF: 2660982.7/43



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138037.282+/-0.153 χ^2/NDF:1031176227.5/4

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 137689.902+/-0.163 χ^2/NDF:633739376.9/3

Left: 137873.581+/-0.112 χ^2/NDF: 1667329136.5/8

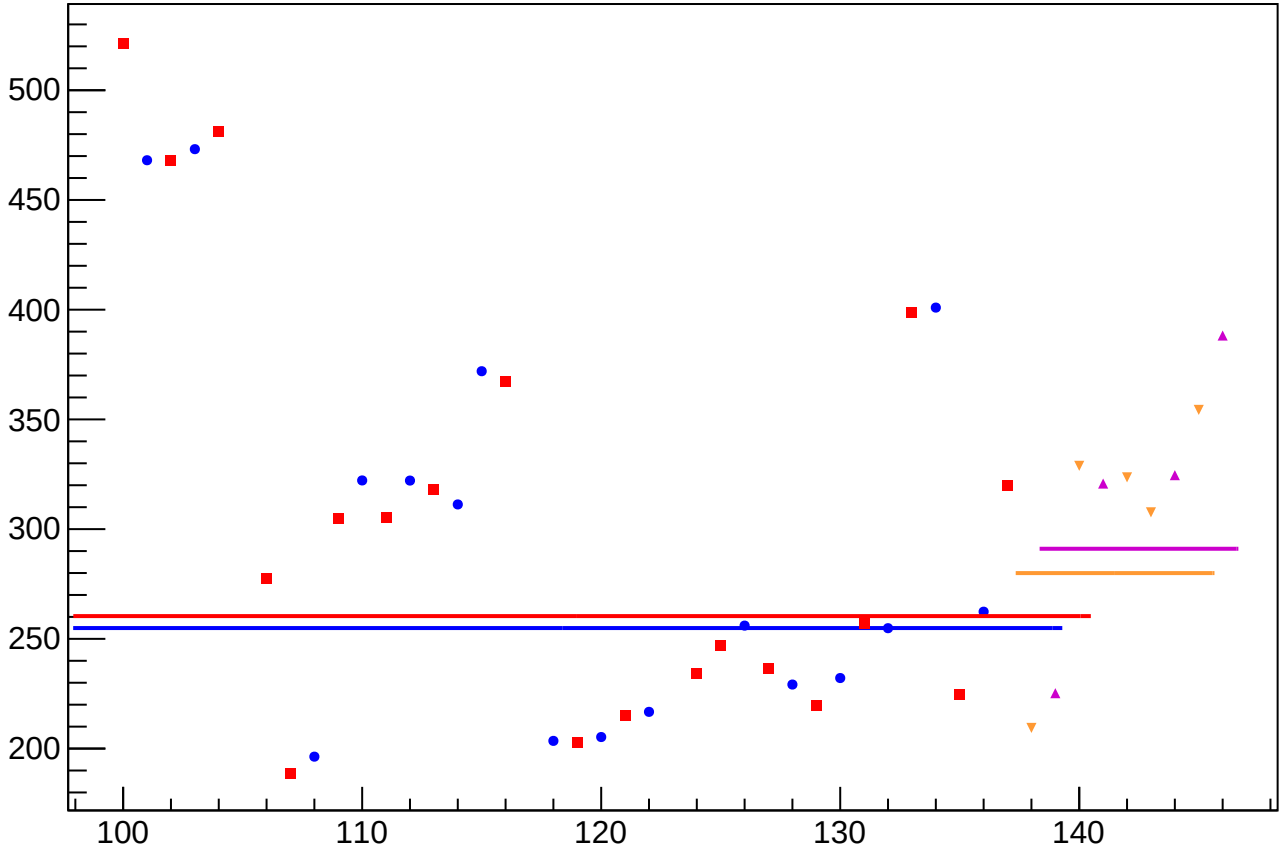
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140470.545+/-0.086 χ^2/NDF:1986380668.1/19

Out: 140347.989+/-0.084 χ^2/NDF:2282670982.5/2

All: 140408.350+/-0.060 χ^2/NDF: 42700900

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 279.964+/-0.109 χ^2/NDF:299790.2/4

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 291.056+/-0.115 χ^2/NDF:274444.8/3

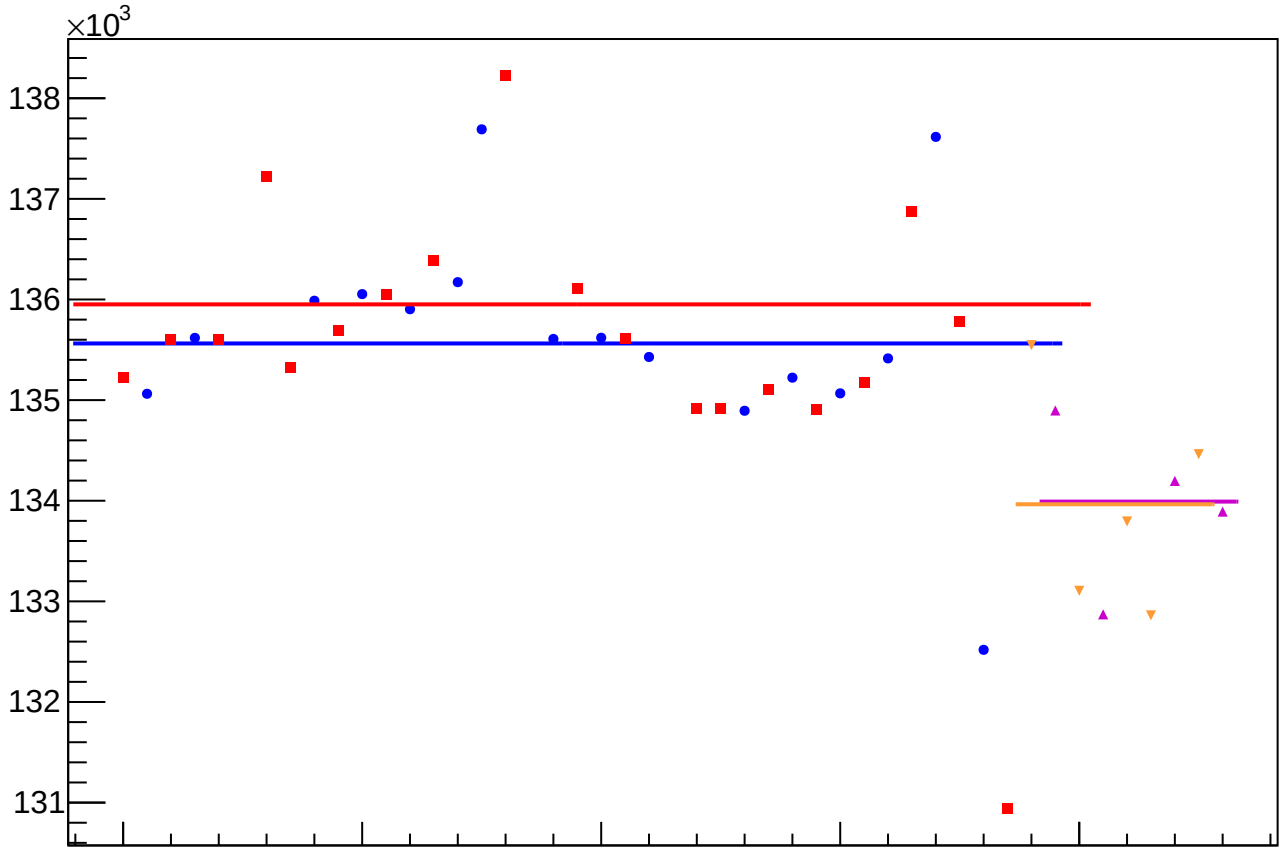
Left: 285.191+/-0.079 χ^2/NDF: 579156.0/8

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 264.953+/-0.061 χ^2/NDF:1295756.3/19

Out: 266.294+/-0.060 χ^2/NDF:1315830.4/23

All: 265.634+/-0.043 χ^2/NDF: 2611835.1/43



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133964.902+/-0.103 χ^2/NDF:102597085.0/4

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 133991.407+/-0.112 χ^2/NDF:47672305.7/3

Left: 133977.000+/-0.076 χ^2/NDF: 150299623.9/8

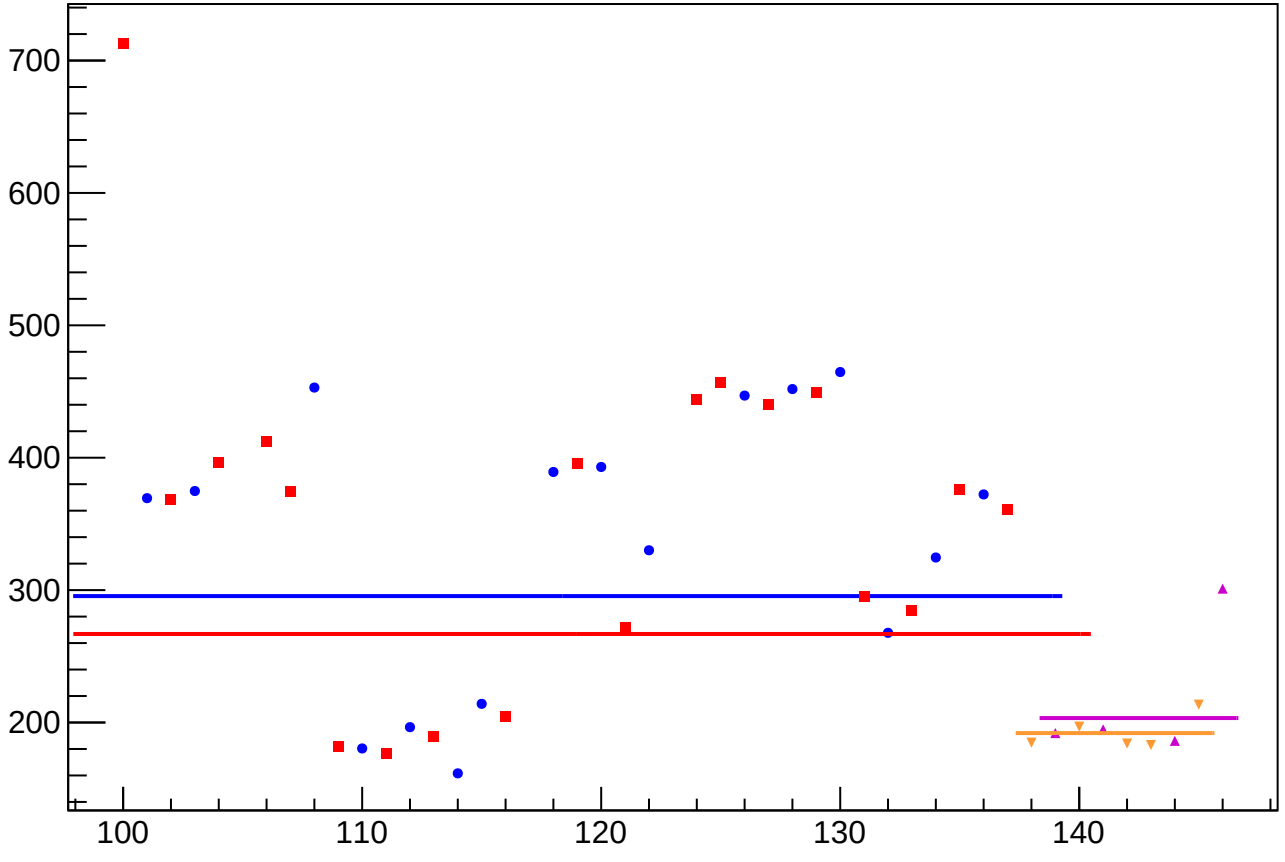
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134736.590+/-0.081 χ^2/NDF:234571637.6/19

Out: 134926.236+/-0.074 χ^2/NDF:374239715.9/23

All: 134840.554+/-0.055 χ^2/NDF: 61177999

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 192.009+/-0.073 χ^2/NDF:24384.1/4

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 203.358+/-0.079 χ^2/NDF:196183.5/3

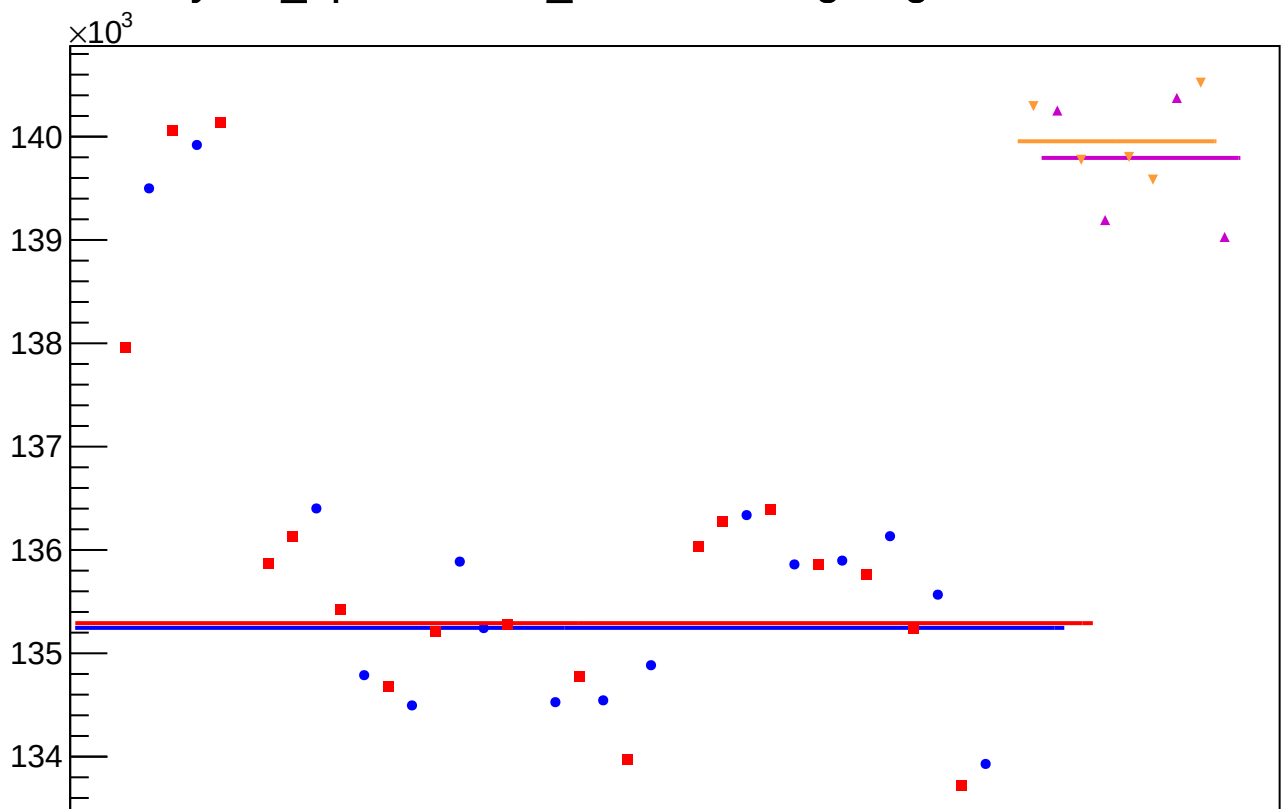
Left: 197.189+/-0.054 χ^2/NDF: 231654.8/8

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 247.037+/-0.058 χ^2/NDF:2275914.6/19

Out: 228.232+/-0.052 χ^2/NDF:2213776.4/23

All: 236.728+/-0.039 χ^2/NDF: 4548070.2/43



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 139955.203+/-0.097 χ^2/NDF:12541386.9/4

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 139794.084+/-0.107 χ^2/NDF:30097232.2/3

Left: 139881.973+/-0.072 χ^2/NDF: 43882050.6/8

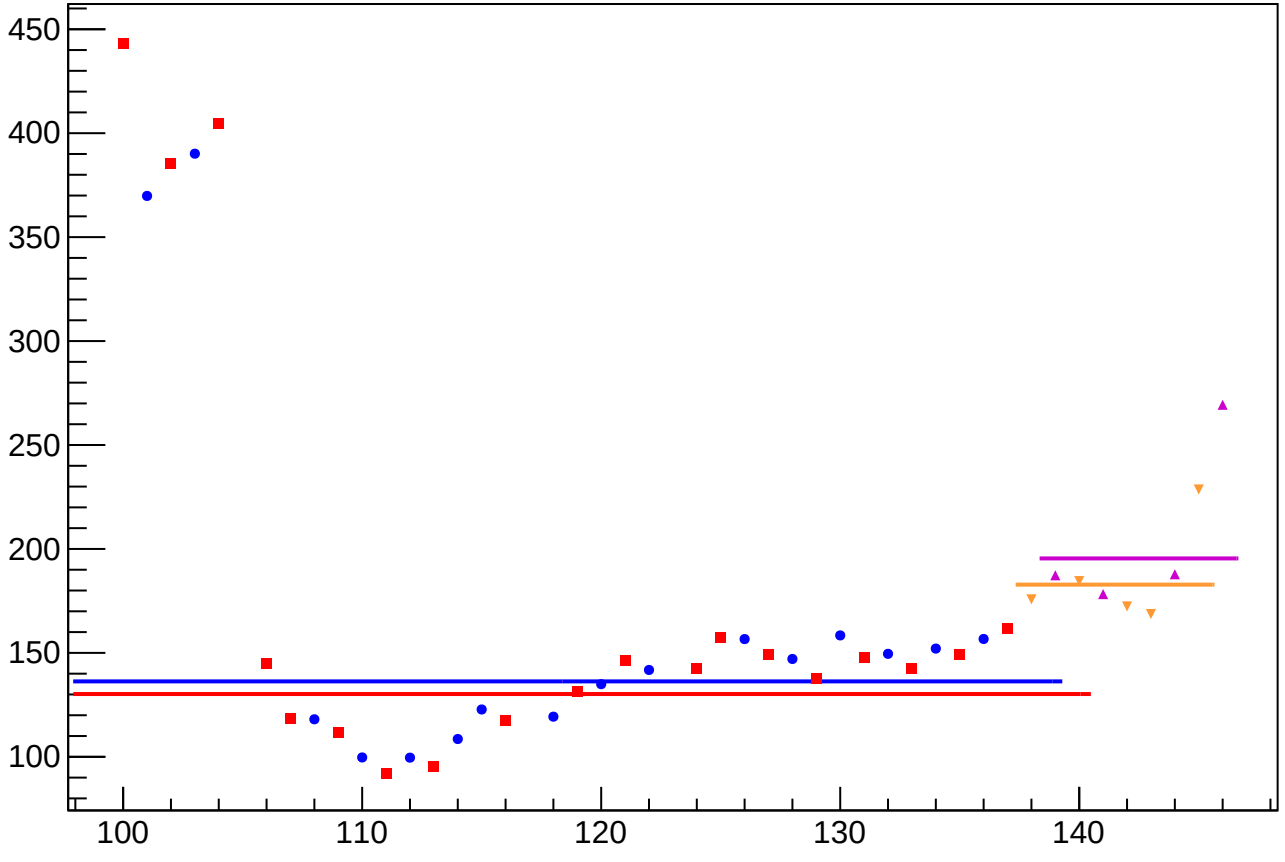
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 136193.113+/-0.049 χ^2/NDF:1856486233.5/19

Out: 136318.301+/-0.046 χ^2/NDF:2181709200.5/2

All: 136259.671+/-0.033 χ^2/NDF: 40417096

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 182.832+/-0.069 χ^2/NDF:78996.8/4

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 195.437+/-0.075 χ^2/NDF:148570.8/3

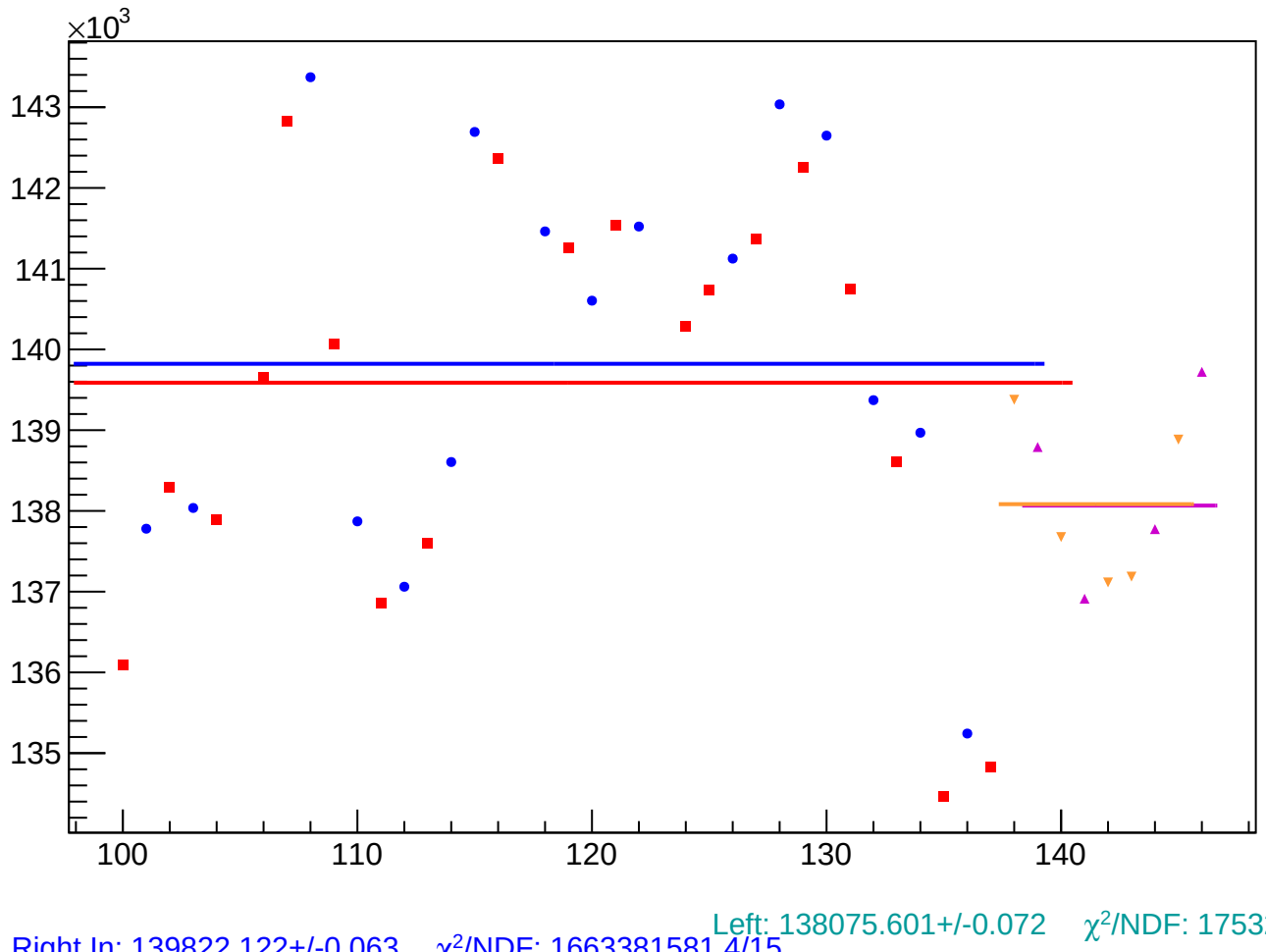
Left: 188.561+/-0.051 χ^2/NDF: 242789.2/8

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 148.600+/-0.034 χ^2/NDF:2019178.1/19

Out: 141.789+/-0.032 χ^2/NDF:2055091.3/23

All: 144.979+/-0.024 χ^2/NDF: 4095073.6/43



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 138083.655+/-0.097 χ^2/NDF:91945292.1/4

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 138066.021+/-0.106 χ^2/NDF:83367923.5/3

Left: 138075.601+/-0.072 χ^2/NDF: 175328290.4/8

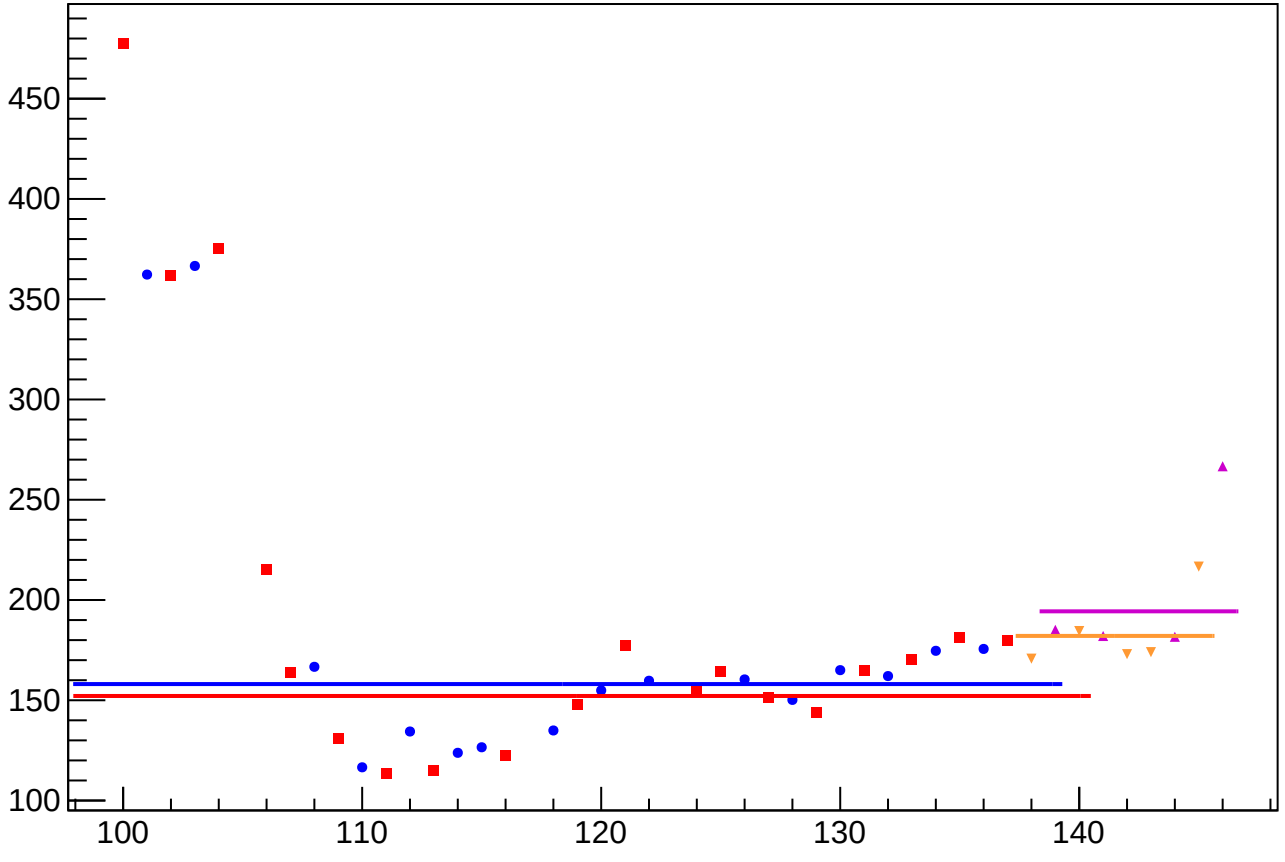
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 139367.237+/-0.054 χ^2/NDF:1950649654.5/19

Out: 139174.785+/-0.051 χ^2/NDF:1749070168.3/2

All: 139265.485+/-0.037 χ^2/NDF: 37064655

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 182.093+/-0.069 χ^2/NDF:52402.3/4

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 194.350+/-0.075 χ^2/NDF:148127.0/3

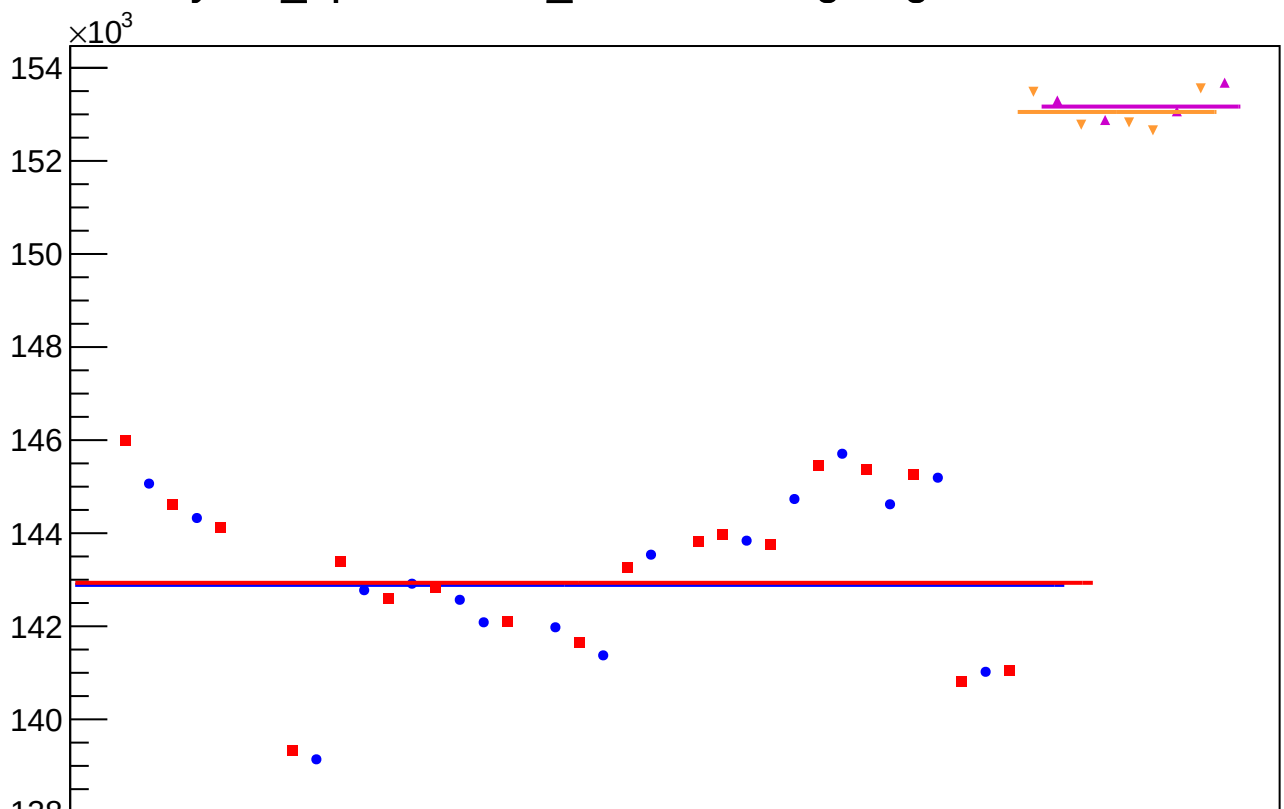
Left: 187.692+/-0.051 χ^2/NDF: 215092.6/8

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 167.474+/-0.038 χ^2/NDF:1340017.7/19

Out: 160.365+/-0.036 χ^2/NDF:1419608.5/23

All: 163.716+/-0.026 χ^2/NDF: 2778037.4/43



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 153051.822+/-0.099 χ^2/NDF:15436995.5/4

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 153167.669+/-0.106 χ^2/NDF:6190955.4/3

Left: 153105.471+/-0.072 χ^2/NDF: 22265053.2/8

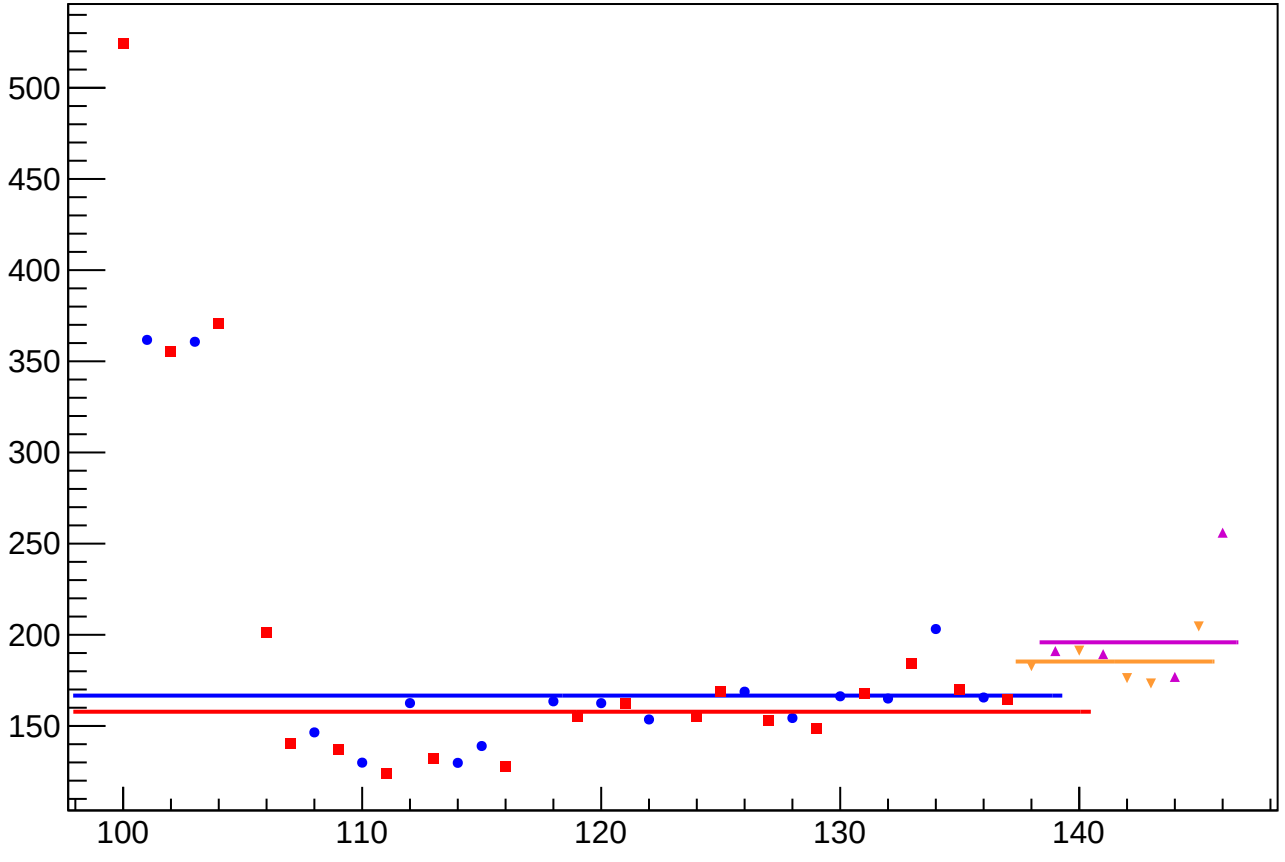
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145727.621+/-0.056 χ^2/NDF:7530939912.0/19

Out: 145763.200+/-0.052 χ^2/NDF:8362498231.3/2

All: 145746.612+/-0.038 χ^2/NDF: 15893654

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 185.341+/-0.070 χ^2/NDF:25593.3/4

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 195.880+/-0.075 χ^2/NDF:119476.4/3

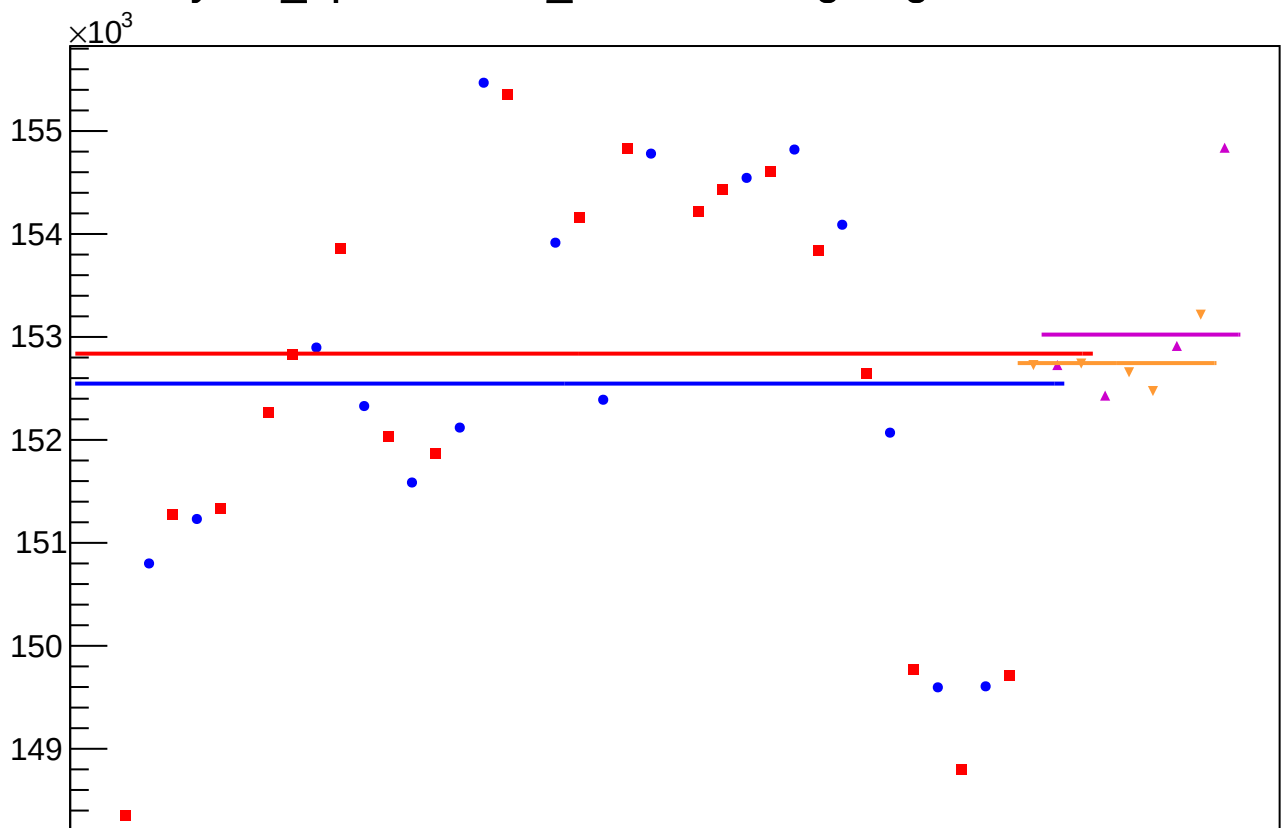
Left: 190.221+/-0.051 χ^2/NDF: 155615.4/8

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 174.726+/-0.040 χ^2/NDF:1092367.5/19

Out: 165.508+/-0.037 χ^2/NDF:1159872.0/23

All: 169.806+/-0.027 χ^2/NDF: 2281287.2/43



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152746.108+/-0.097 χ^2/NDF:6297486.0/4

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 153022.829+/-0.107 χ^2/NDF:54050920.6/3

Left: 152871.628+/-0.072 χ^2/NDF: 64036722.4/8

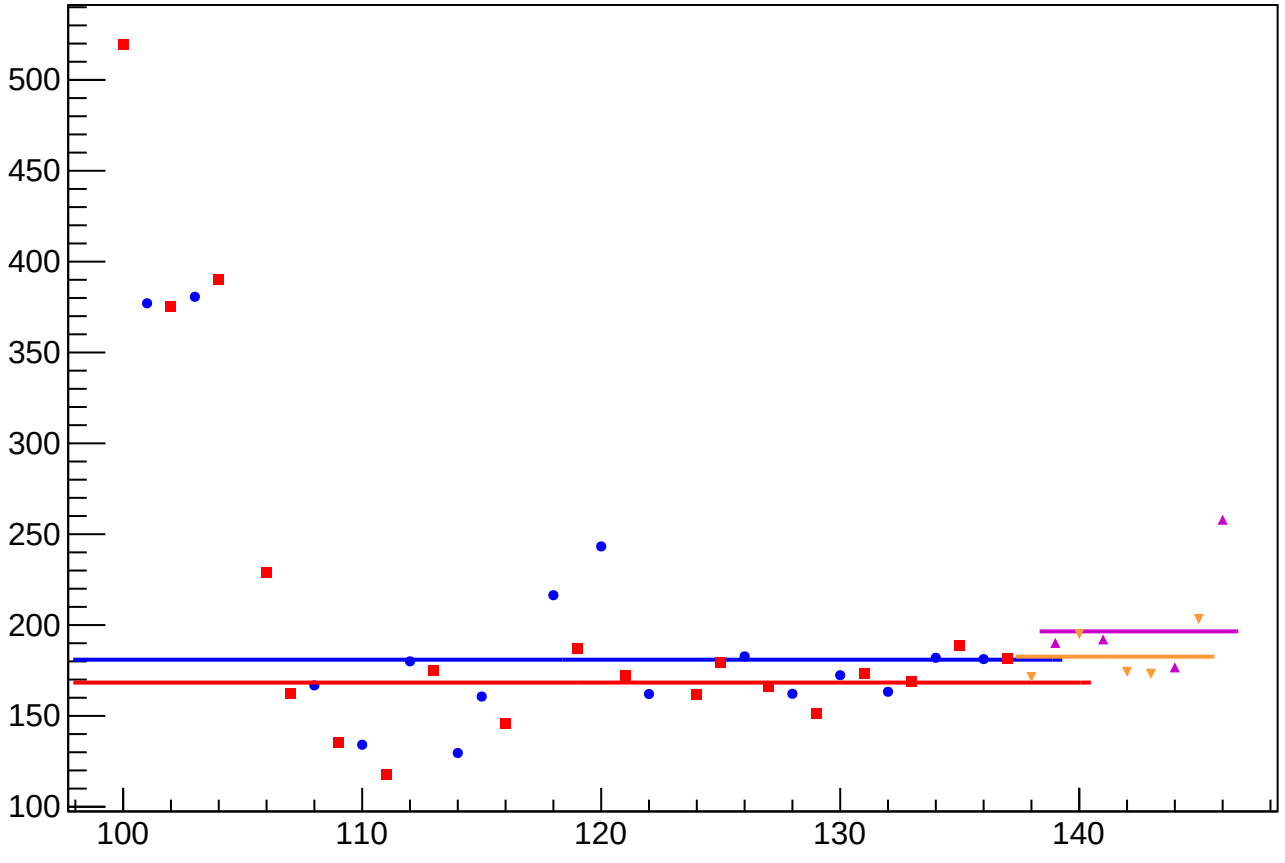
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152697.924+/-0.060 χ^2/NDF:722222643.7/19

Out: 152808.465+/-0.055 χ^2/NDF:743812276.7/23

All: 152758.044+/-0.041 χ^2/NDF: 14678811

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 182.622+/-0.069 χ^2/NDF:35993.5/4

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 196.517+/-0.075 χ^2/NDF:124510.1/3

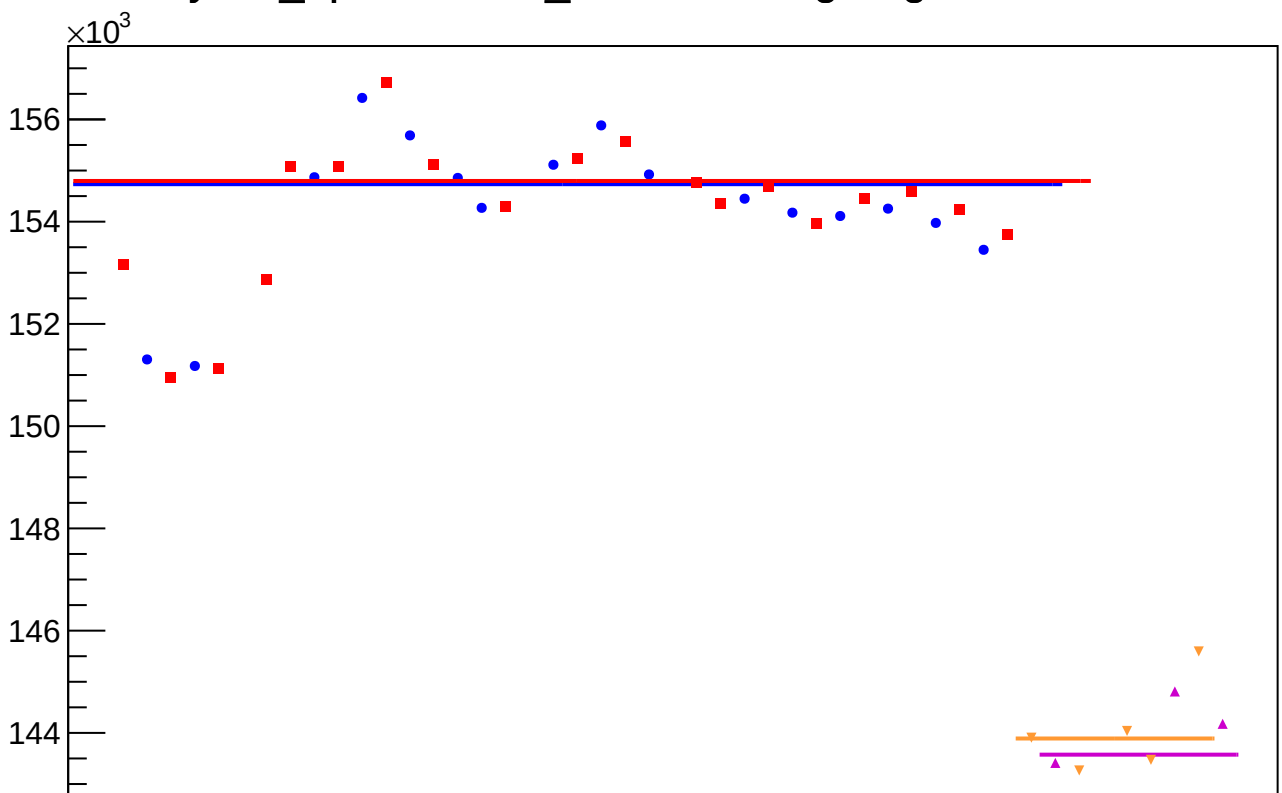
Left: 188.925+/-0.051 χ^2/NDF: 179101.6/8

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 185.882+/-0.042 χ^2/NDF:1061476.8/19

Out: 172.925+/-0.039 χ^2/NDF:1154478.0/23

All: 178.835+/-0.029 χ^2/NDF: 2266684.5/43



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143890.461+/-0.095 χ^2/NDF:61855265.9/4

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 143574.410+/-0.098 χ^2/NDF:93672513.6/3

Left: 143737.904+/-0.068 χ^2/NDF: 160877440.2/8

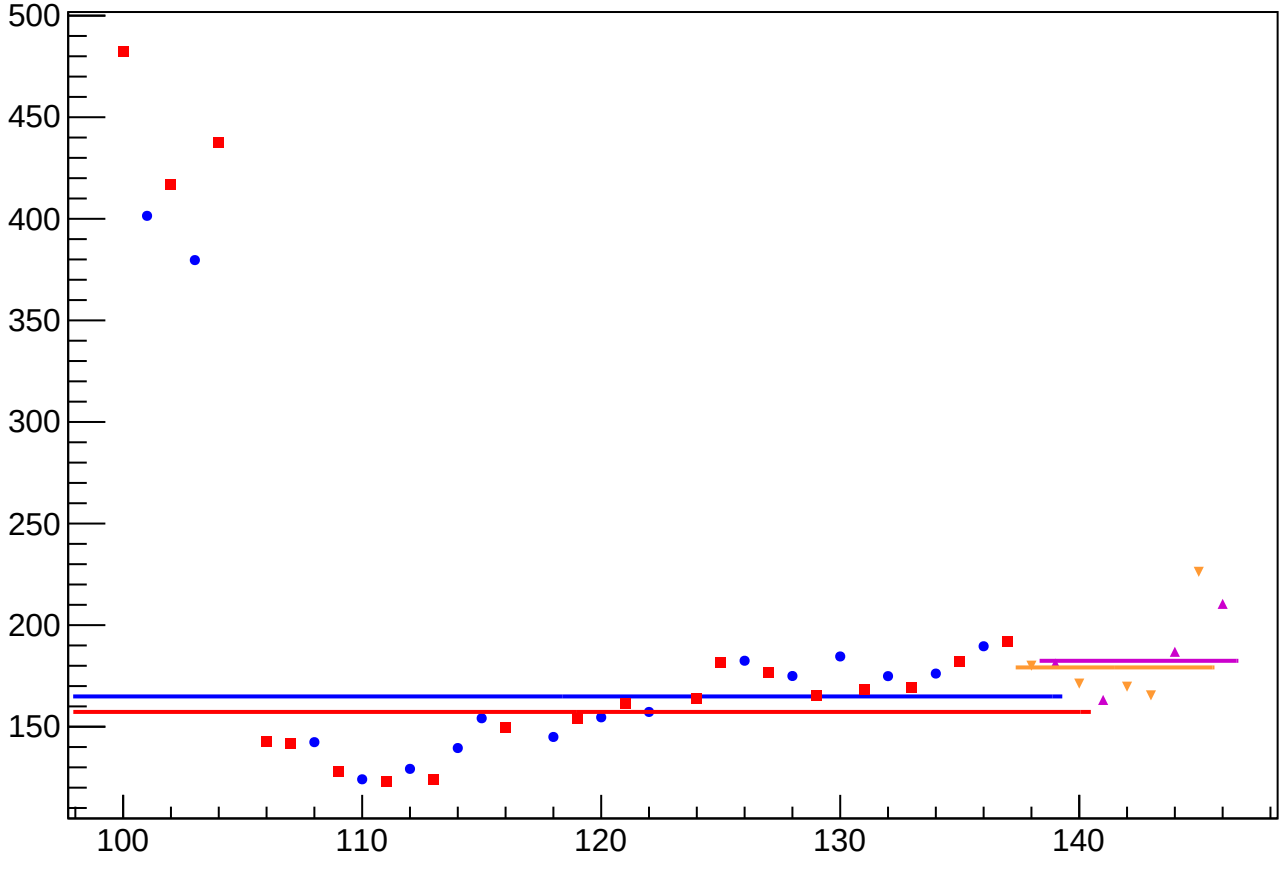
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 151323.279+/-0.054 χ^2/NDF:9320190439.7/19

Out: 151604.372+/-0.051 χ^2/NDF:9699734195.1/2

All: 151471.720+/-0.037 χ^2/NDF: 19034061

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 179.185+/-0.067 χ^2/NDF:86959.9/4

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 182.444+/-0.069 χ^2/NDF:56431.0/3

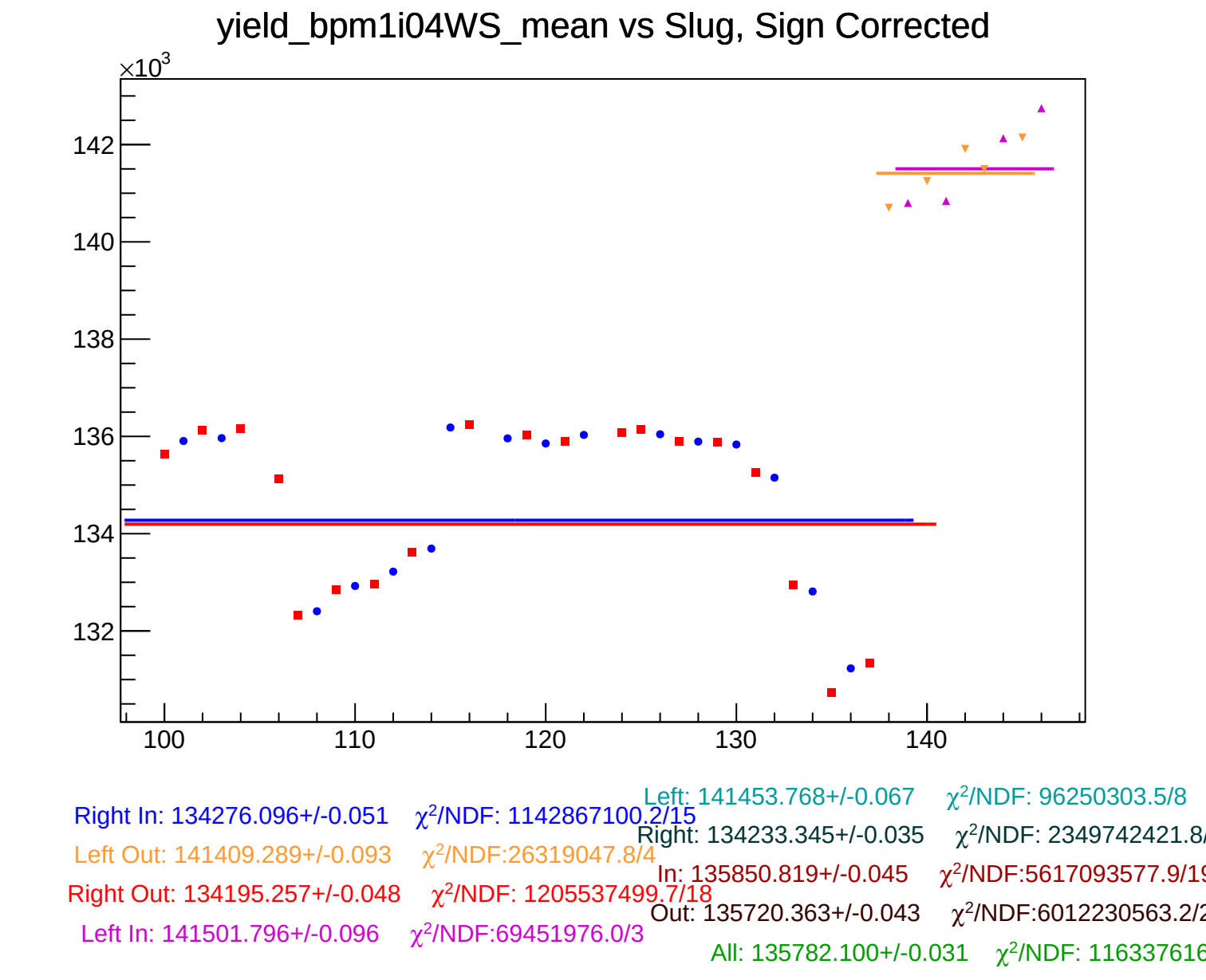
Left: 180.758+/-0.048 χ^2/NDF: 144528.8/8

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

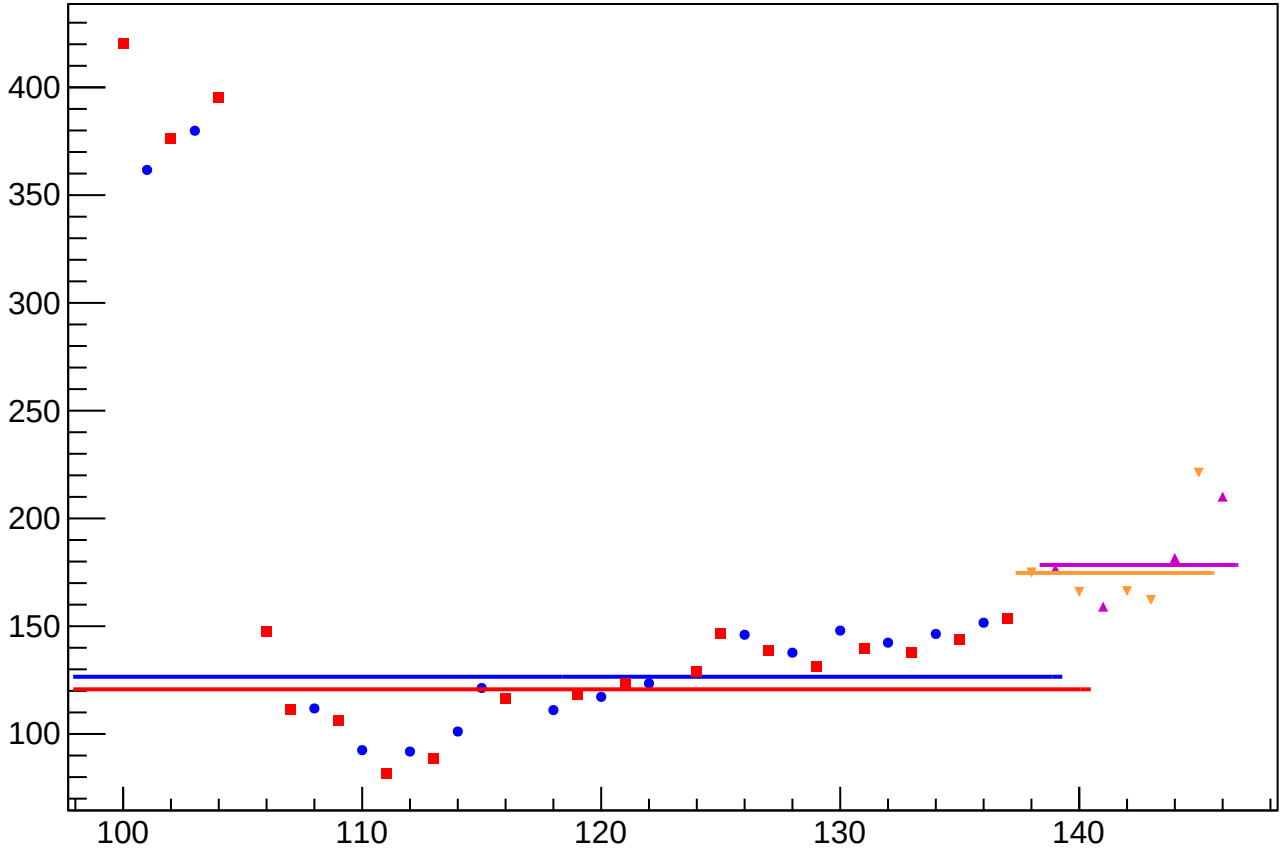
In: 170.266+/-0.038 χ^2/NDF:1173387.8/19

Out: 163.693+/-0.036 χ^2/NDF:1417087.0/23

All: 166.795+/-0.026 χ^2/NDF: 2605934.2/43


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
142
140
138
136
134
132
100
110
120
130
140
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 141409.289+/-0.093 χ²/NDF:26319047.8/4
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 141501.796+/-0.096 χ²/NDF:69451976.0/3
Left: 141453.768+/-0.067 χ²/NDF: 96250303.5/8
Right: 134233.345+/-0.035 χ²/NDF: 2349742421.8/
In: 135850.819+/-0.045 χ²/NDF:5617093577.9/19
Out: 135720.363+/-0.043 χ²/NDF:6012230563.2/2
All: 135782.100+/-0.031 χ²/NDF: 116337616

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 174.727+/-0.066 χ^2/NDF:87501.5/4

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 178.421+/-0.068 χ^2/NDF:66178.2/3

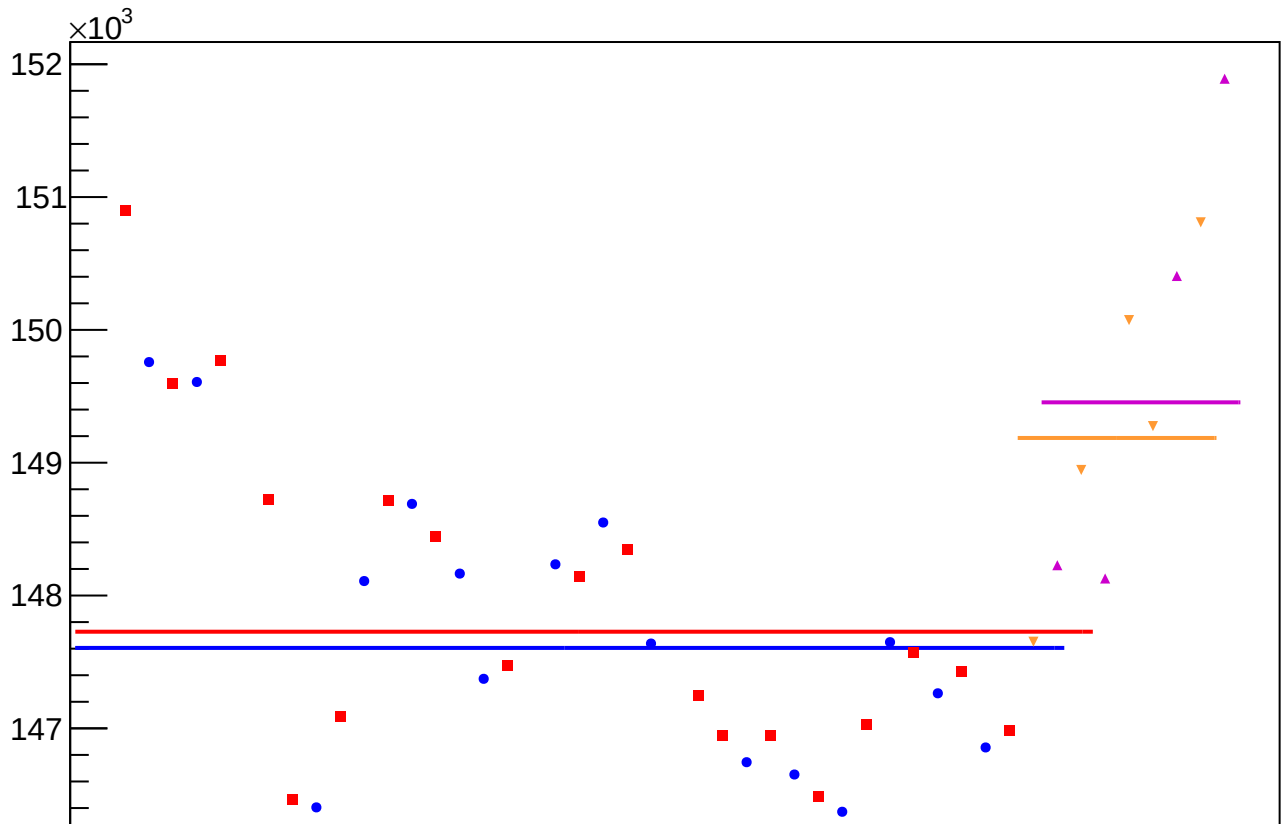
Left: 176.503+/-0.047 χ^2/NDF: 155207.9/8

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 137.855+/-0.032 χ^2/NDF:1997572.5/19

Out: 132.140+/-0.030 χ^2/NDF:2256007.9/23

All: 134.845+/-0.022 χ^2/NDF: 4270613.2/43



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 149186.313+/-0.110 χ^2/NDF:87919804.8/4

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 149454.490+/-0.117 χ^2/NDF:162924875.4/3

Left: 149312.433+/-0.080 χ^2/NDF: 253647828.8/8

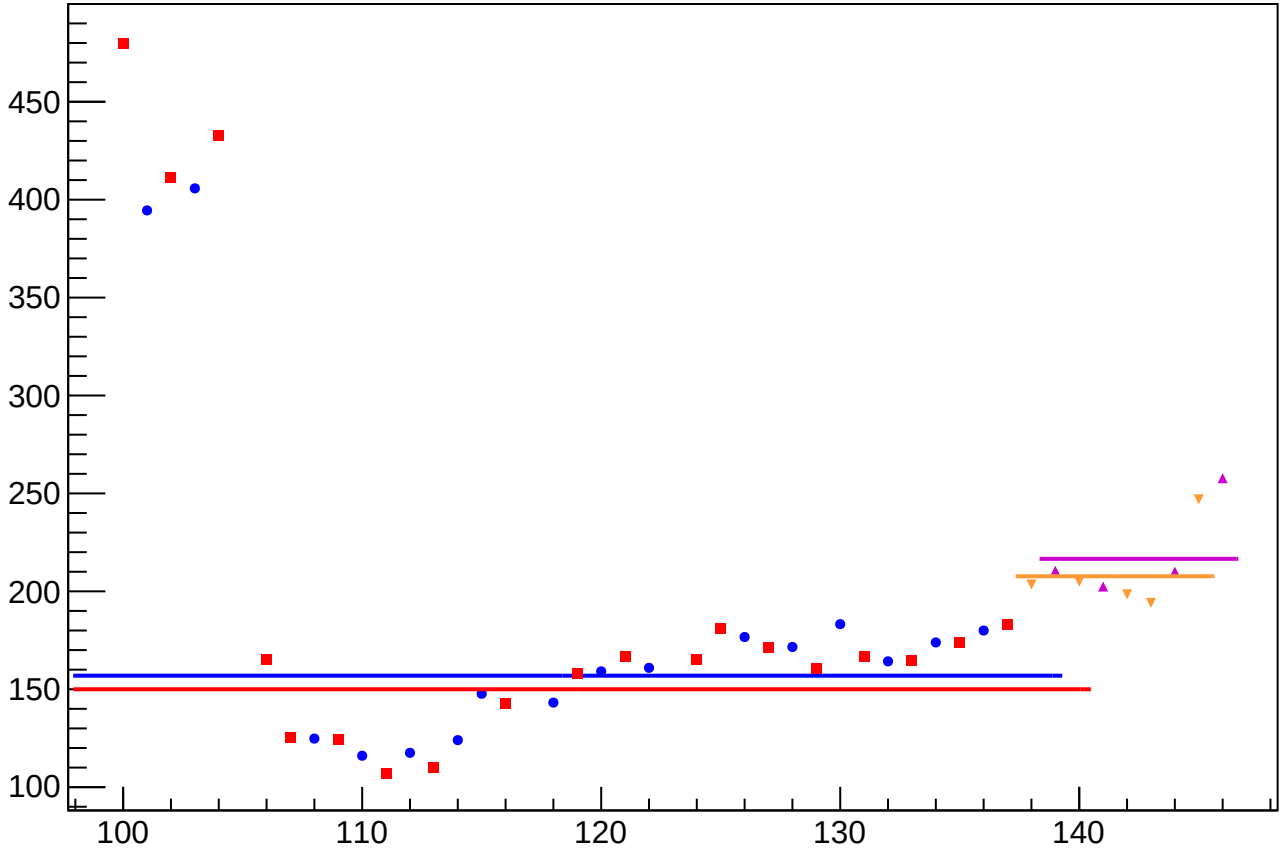
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 148018.110+/-0.055 χ^2/NDF:558845413.3/19

Out: 148053.628+/-0.052 χ^2/NDF:419656634.3/23

All: 148036.909+/-0.038 χ^2/NDF: 97872246

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 207.687+/-0.078 χ^2/NDF:51184.5/4

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 216.597+/-0.082 χ^2/NDF:56646.7/3

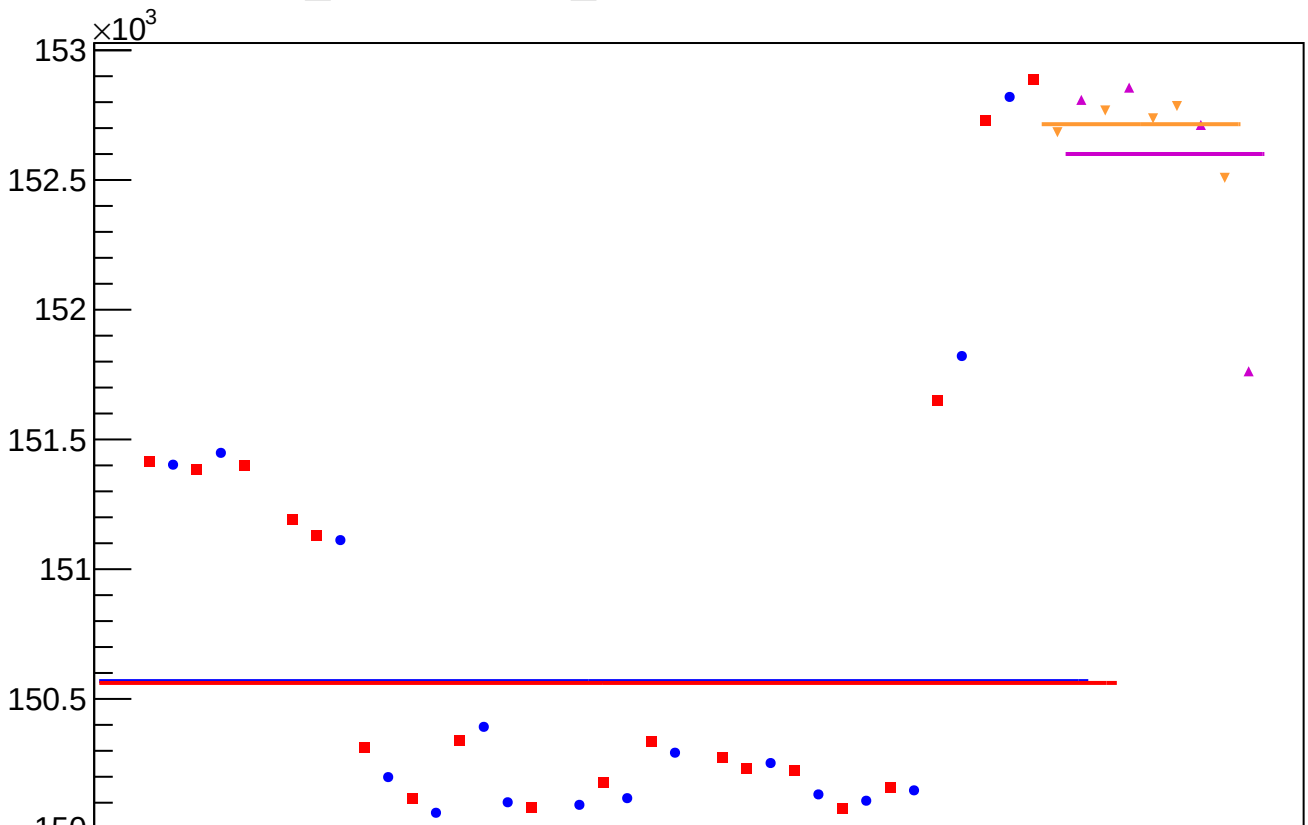
Left: 211.877+/-0.057 χ^2/NDF: 114019.9/8

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 170.240+/-0.039 χ^2/NDF:1729476.3/19

Out: 162.889+/-0.037 χ^2/NDF:1933515.1/23

All: 166.349+/-0.027 χ^2/NDF: 3681858.0/43



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 152715.053+/-0.094 χ^2/NDF:919889.7/4

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152600.190+/-0.097 χ^2/NDF:17775406.1/3

Left: 152659.570+/-0.068 χ^2/NDF: 19412878.3/8

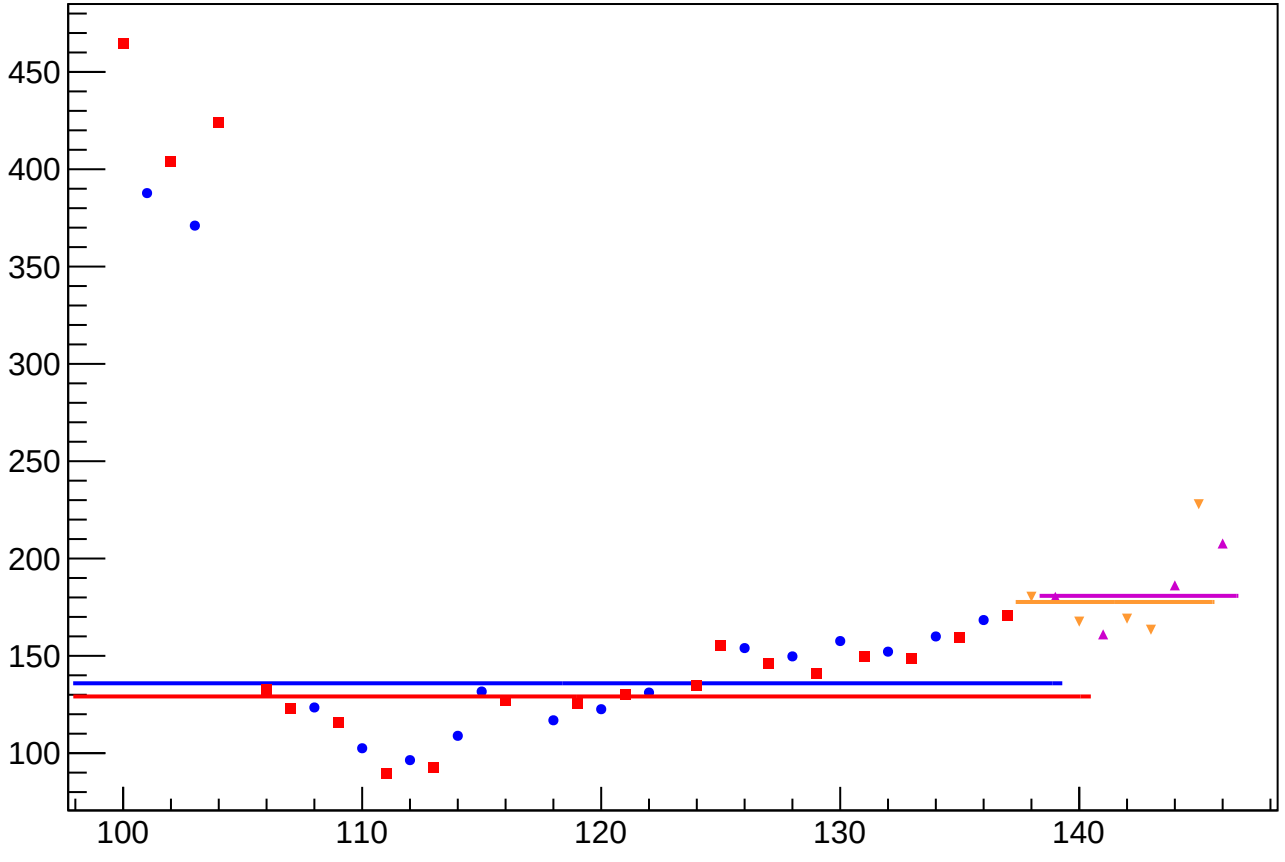
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 151053.830+/-0.048 χ^2/NDF:585443335.1/19

Out: 151049.187+/-0.045 χ^2/NDF:602349721.7/23

All: 151051.368+/-0.033 χ^2/NDF: 11877980

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 177.674+/-0.067 χ^2/NDF:98820.2/4

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.825+/-0.069 χ^2/NDF:57059.9/3

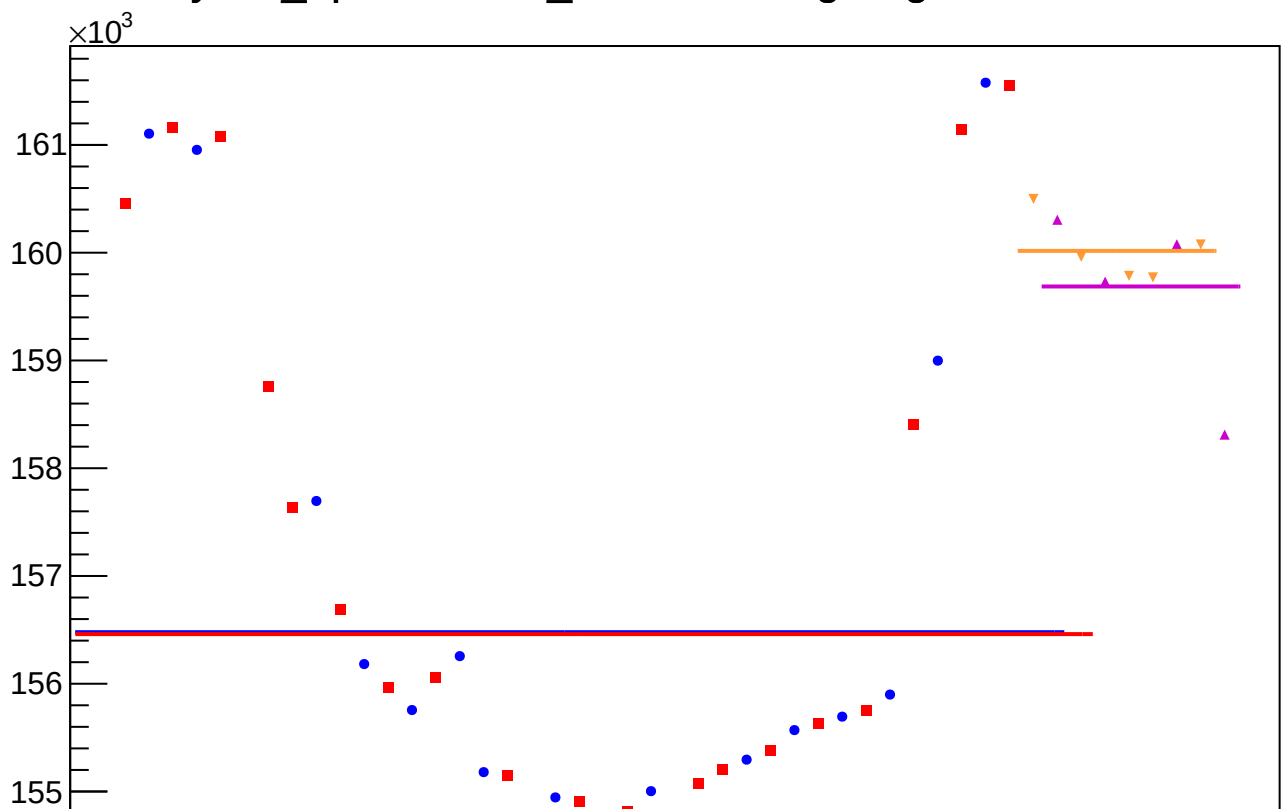
Left: 179.196+/-0.048 χ^2/NDF: 156959.8/8

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 146.626+/-0.034 χ^2/NDF:1796696.2/19

Out: 140.121+/-0.032 χ^2/NDF:2123667.1/23

All: 143.177+/-0.023 χ^2/NDF: 3940135.6/43



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 160017.075+/-0.098 χ^2/NDF:7665788.7/4

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 159686.634+/-0.101 χ^2/NDF:48516455.6/3

Left: 159856.829+/-0.070 χ^2/NDF: 61719697.7/8

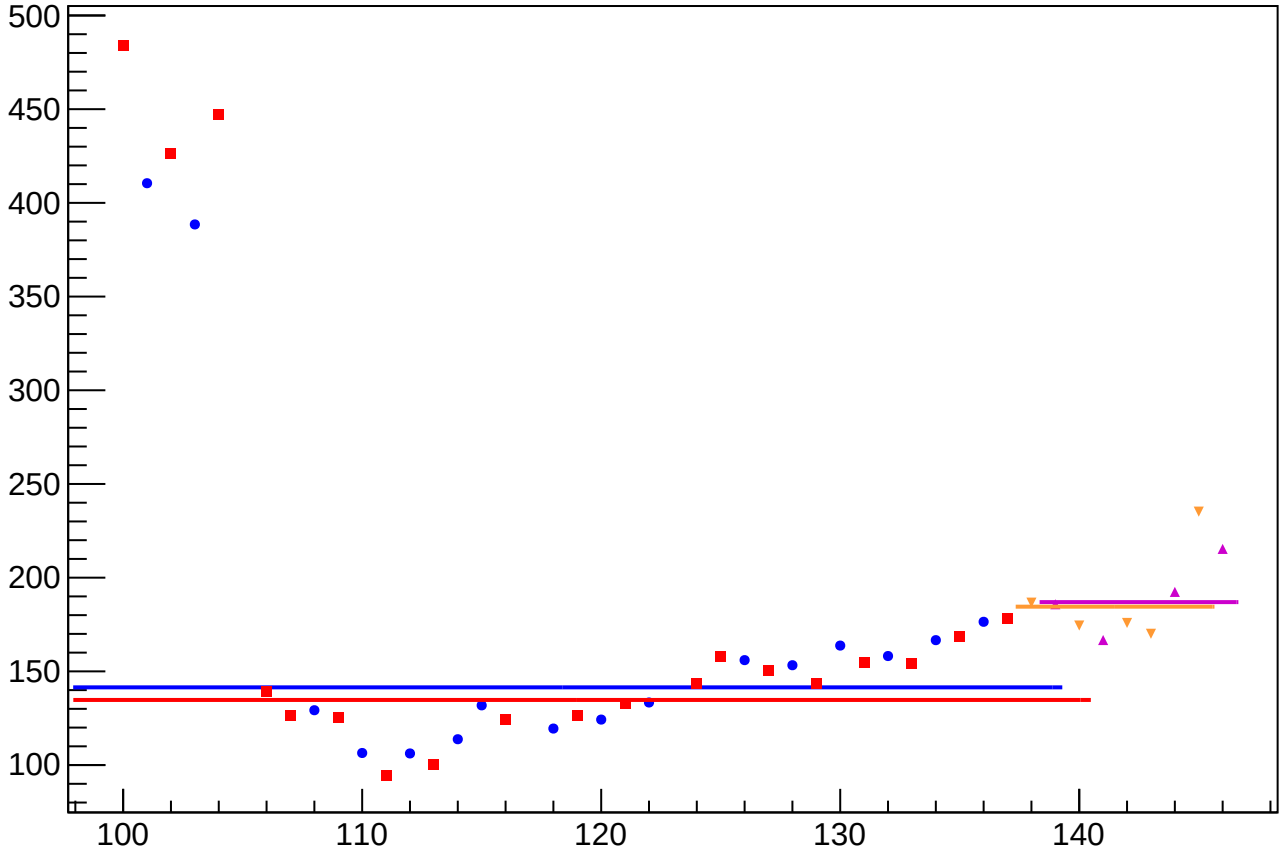
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 157252.071+/-0.049 χ^2/NDF:2107039488.3/19

Out: 157271.046+/-0.047 χ^2/NDF:2129507599.2/2

All: 157262.112+/-0.034 χ^2/NDF: 42366248

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 184.524+/-0.069 χ^2/NDF:94184.4/4

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 186.955+/-0.071 χ^2/NDF:57532.7/3

Left: 185.703+/-0.050 χ^2/NDF: 152316.7/8

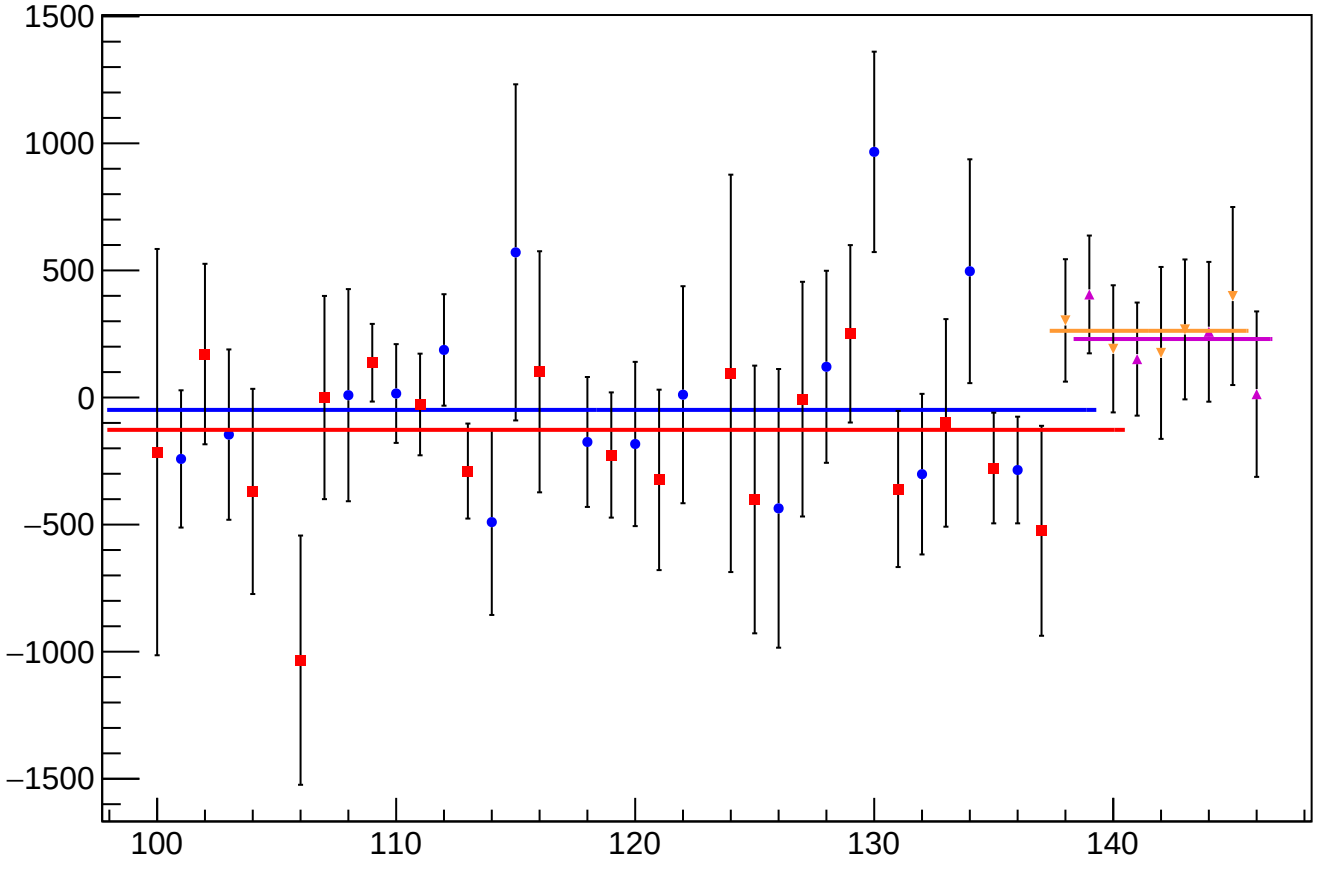
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 152.440+/-0.035 χ^2/NDF:1758626.5/19

Out: 146.090+/-0.033 χ^2/NDF:2073360.2/23

All: 149.079+/-0.024 χ^2/NDF: 3849410.7/43

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 262.404+/-125.670 χ^2/NDF:0.3/4

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 230.108+/-127.526 χ^2/NDF:1.2/3

Left: 246.493+/-89.511 χ^2/NDF: 1.5/8

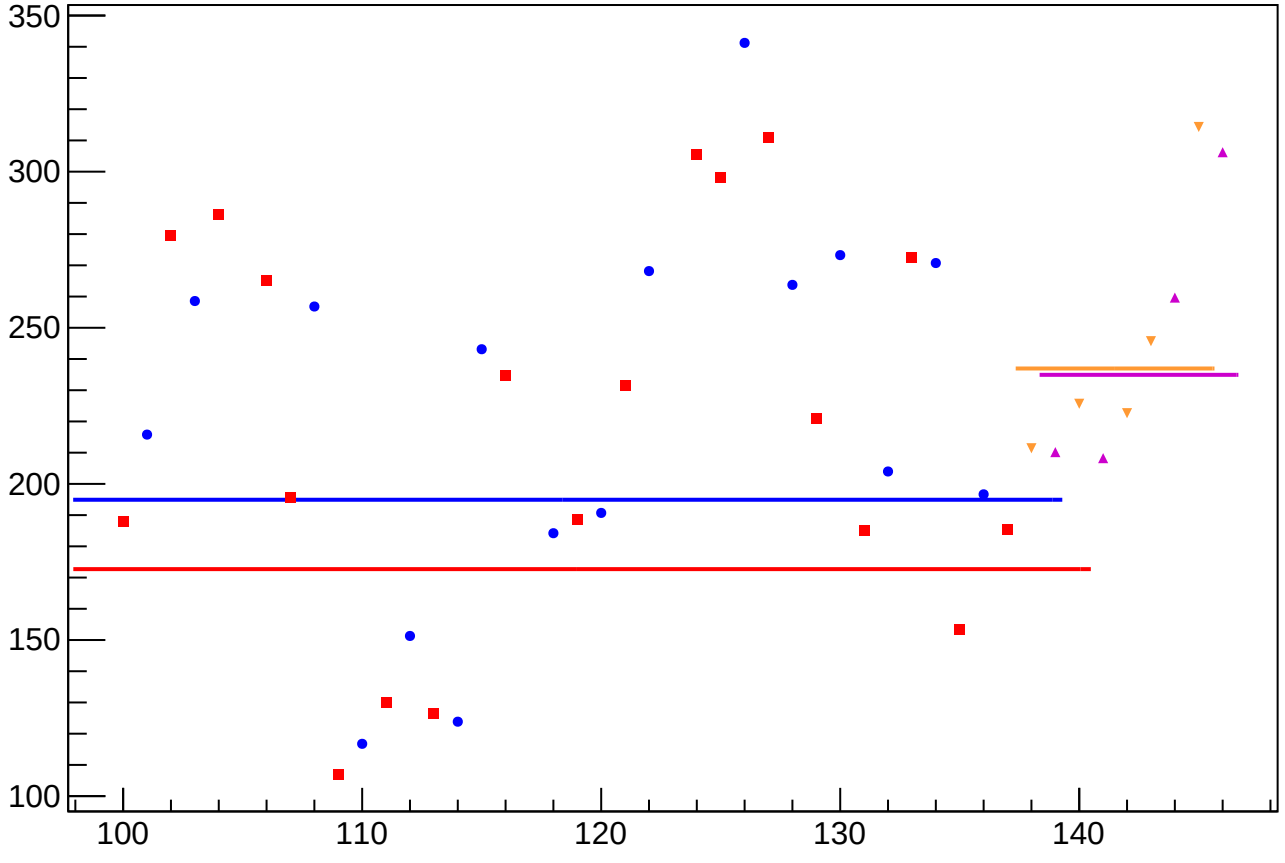
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 25.174+/-65.660 χ^2/NDF:20.1/19

Out: -37.985+/-60.150 χ^2/NDF:20.6/23

All: -9.166+/-44.352 χ^2/NDF: 41.2/43

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 236.960+/-0.089 χ^2/NDF:129749.8/4

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 234.930+/-0.090 χ^2/NDF:163726.6/3

Left: 235.960+/-0.063 χ^2/NDF: 293733.4/8

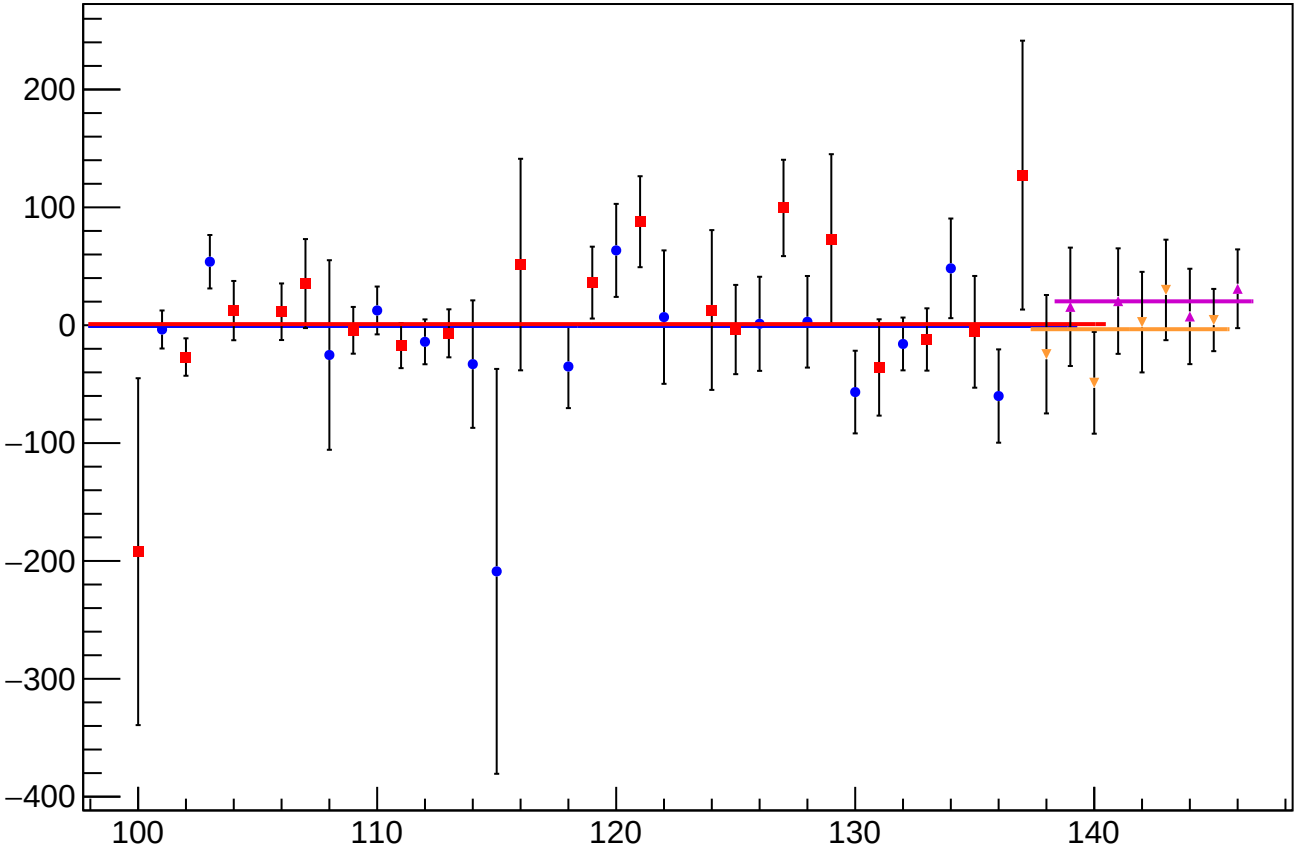
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 205.528+/-0.046 χ^2/NDF:1337286.8/19

Out: 187.424+/-0.043 χ^2/NDF:2164188.1/23

All: 195.685+/-0.031 χ^2/NDF: 3584148.3/43

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -3.380+/-16.985 χ^2/NDF:2.0/4

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 20.264+/-20.403 χ^2/NDF:0.2/3

Left: 6.298+/-13.054 χ^2/NDF: 3.0/8

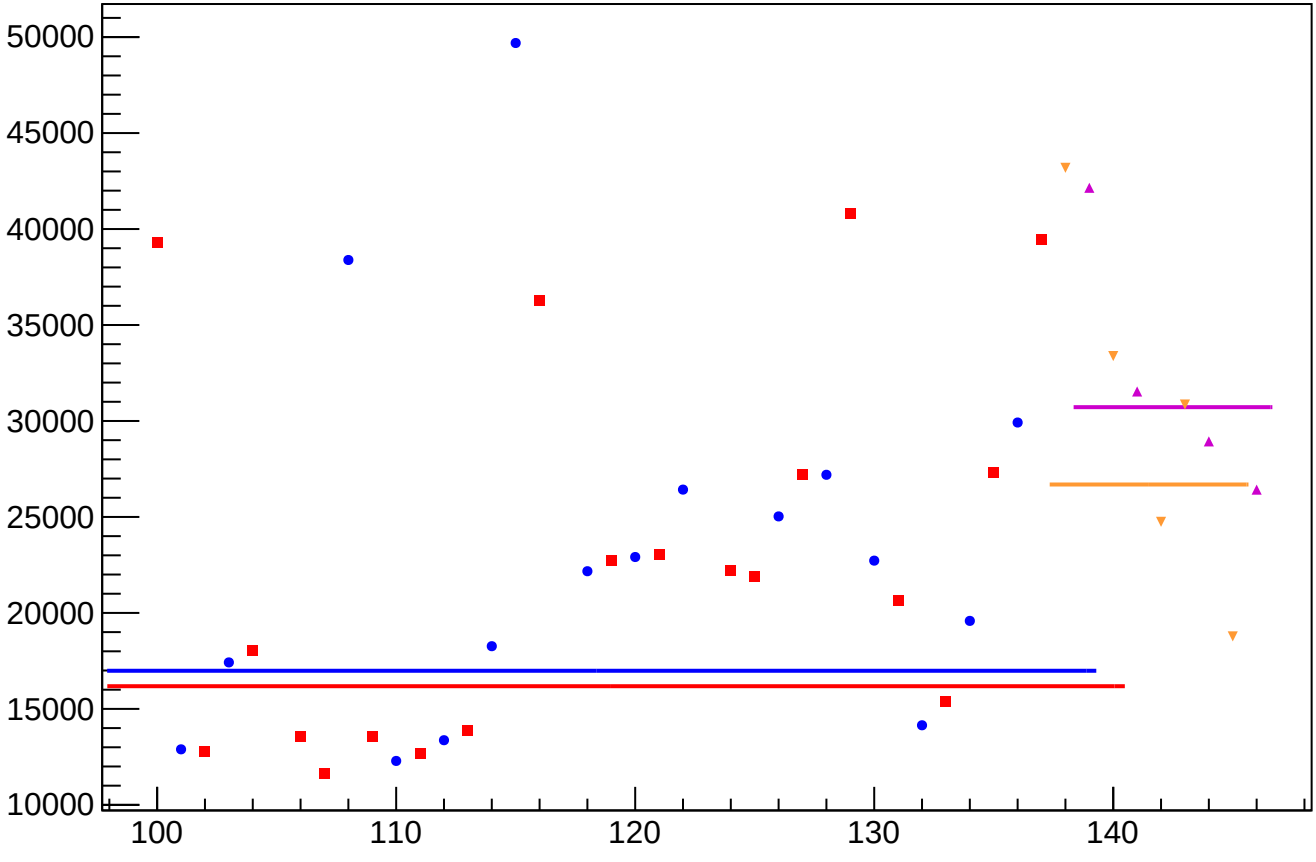
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 1.770+/-6.907 χ^2/NDF:20.0/19

Out: 0.346+/-6.286 χ^2/NDF:25.1/23

All: 0.991+/-4.649 χ^2/NDF: 45.2/43

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 26690.557+/-12.010 χ^2/NDF:466563.7/4

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 30719.973+/-14.427 χ^2/NDF:141205.5/3

Left: 28339.938+/-9.230 χ^2/NDF: 653844.0/8

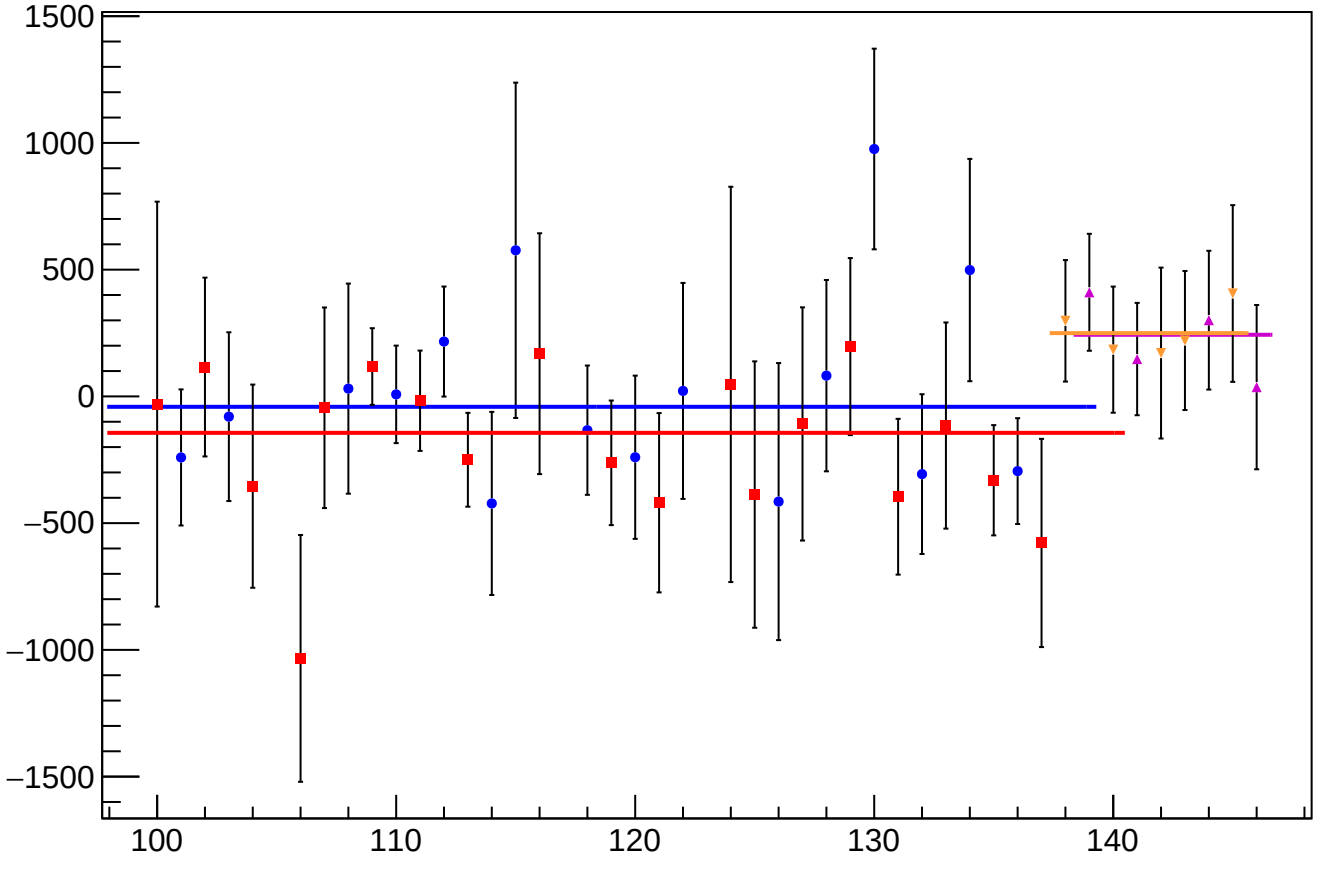
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 18560.231+/-4.884 χ^2/NDF:2137617.9/19

Out: 17621.484+/-4.445 χ^2/NDF:2378767.1/23

All: 18046.809+/-3.287 χ^2/NDF: 4536591.2/4

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 249.621+/-125.107 χ^2/NDF:0.4/4

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 243.101+/-126.980 χ^2/NDF:1.2/3

Left: 246.410+/-89.119 χ^2/NDF: 1.5/8

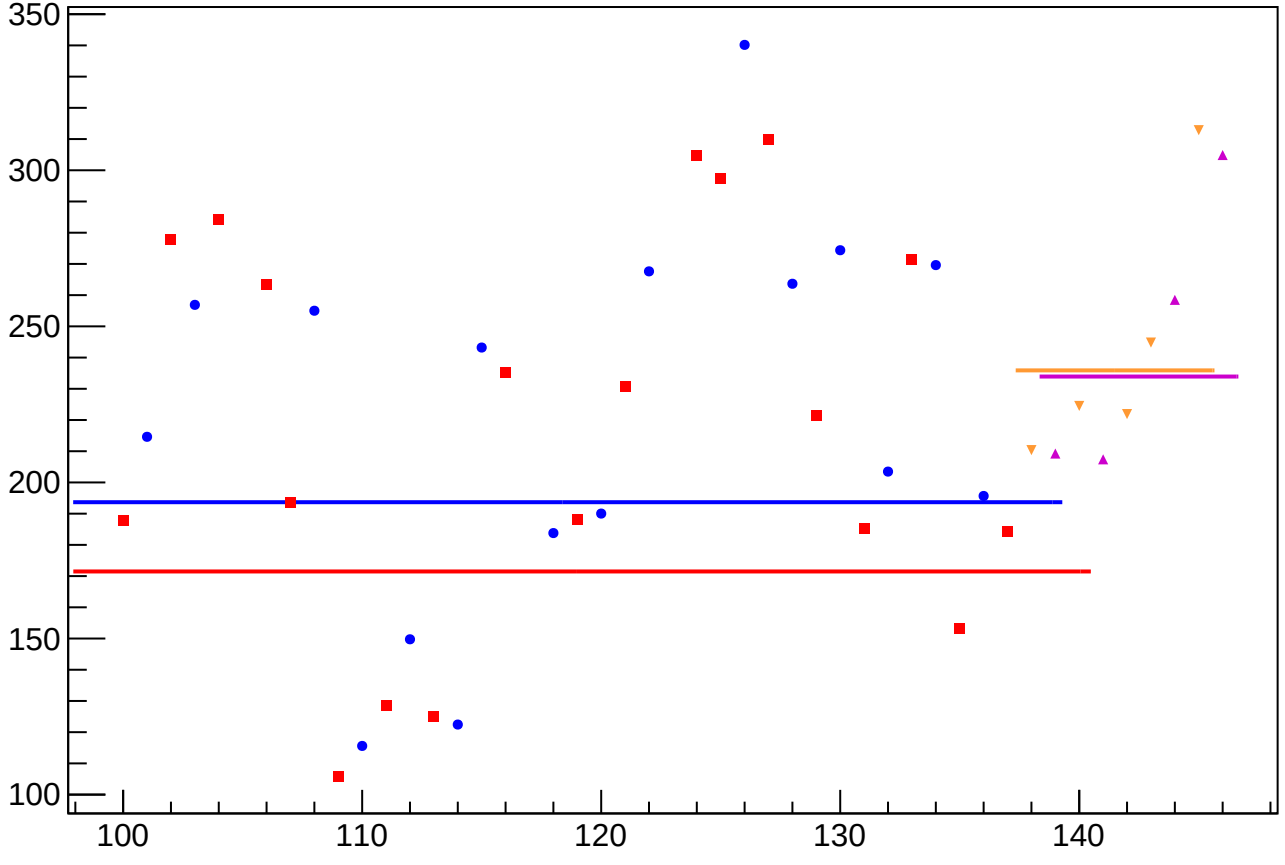
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 34.123+/-65.311 χ^2/NDF:20.3/19

Out: -53.931+/-59.799 χ^2/NDF:21.0/23

All: -13.775+/-44.104 χ^2/NDF: 42.3/43

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 235.895+/-0.088 χ^2/NDF:129918.4/4

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 233.924+/-0.090 χ^2/NDF:163515.7/3

Left: 234.924+/-0.063 χ^2/NDF: 293678.6/8

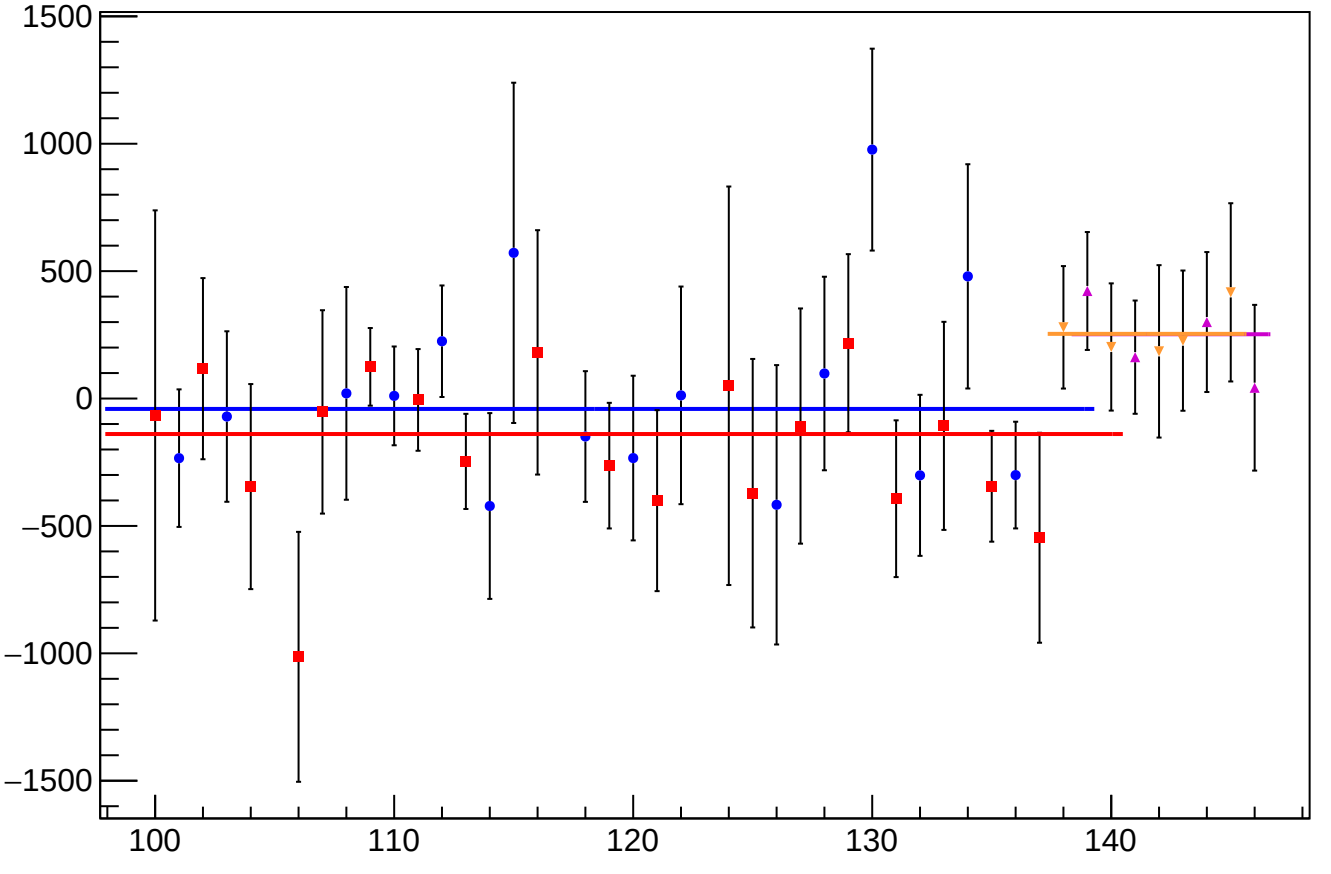
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 204.319+/-0.046 χ^2/NDF:1361105.7/19

Out: 186.200+/-0.042 χ^2/NDF:2191924.4/23

All: 194.463+/-0.031 χ^2/NDF: 3636768.3/43

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 253.806+/-125.514 χ^2/NDF:0.3/4

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 252.309+/-127.378 χ^2/NDF:1.1/3

Left: 253.069+/-89.403 χ^2/NDF: 1.5/8

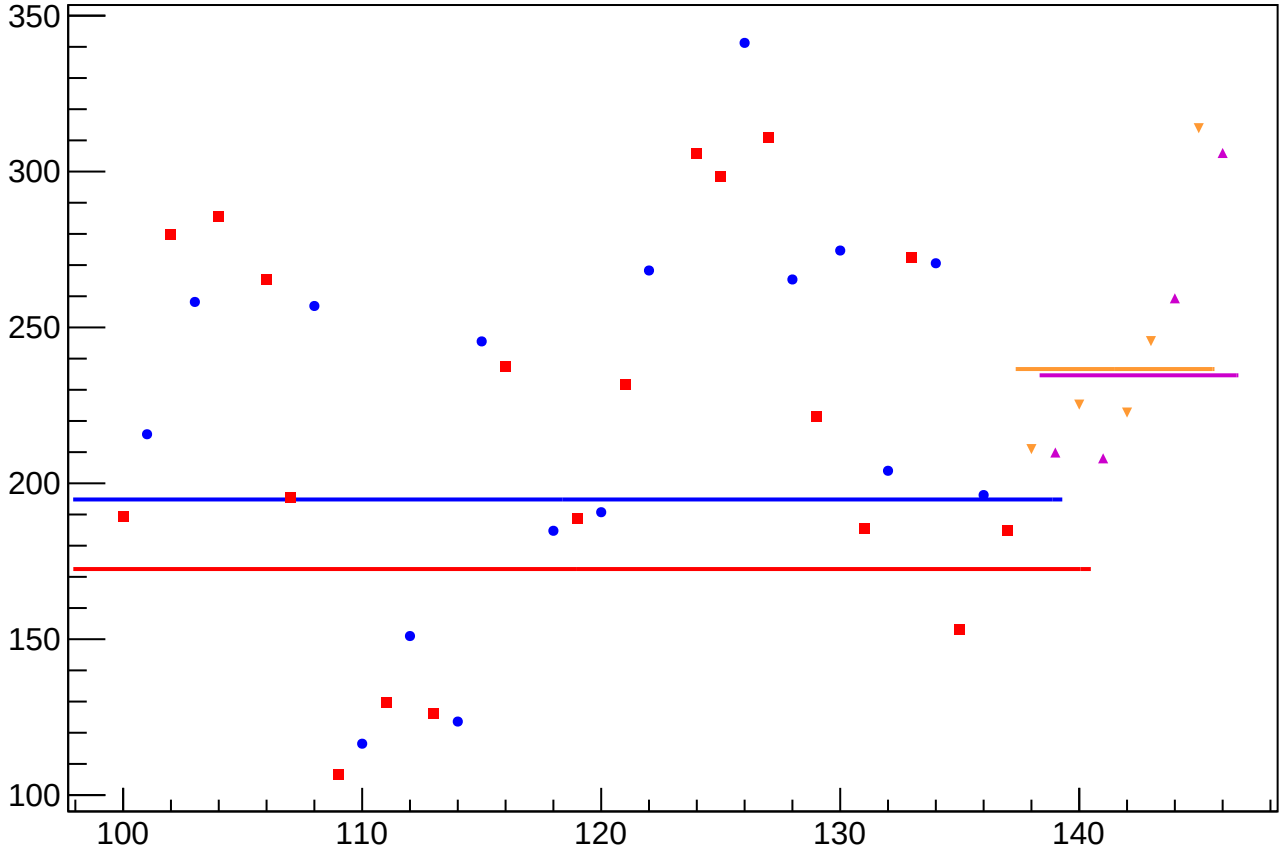
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 37.017+/-65.631 χ^2/NDF:20.4/19

Out: -49.161+/-60.101 χ^2/NDF:20.8/23

All: -9.855+/-44.324 χ^2/NDF: 42.1/43

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 236.658+/-0.089 χ^2/NDF:130092.5/4

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 234.646+/-0.090 χ^2/NDF:163939.7/3

Left: 235.667+/-0.063 χ^2/NDF: 294285.2/8

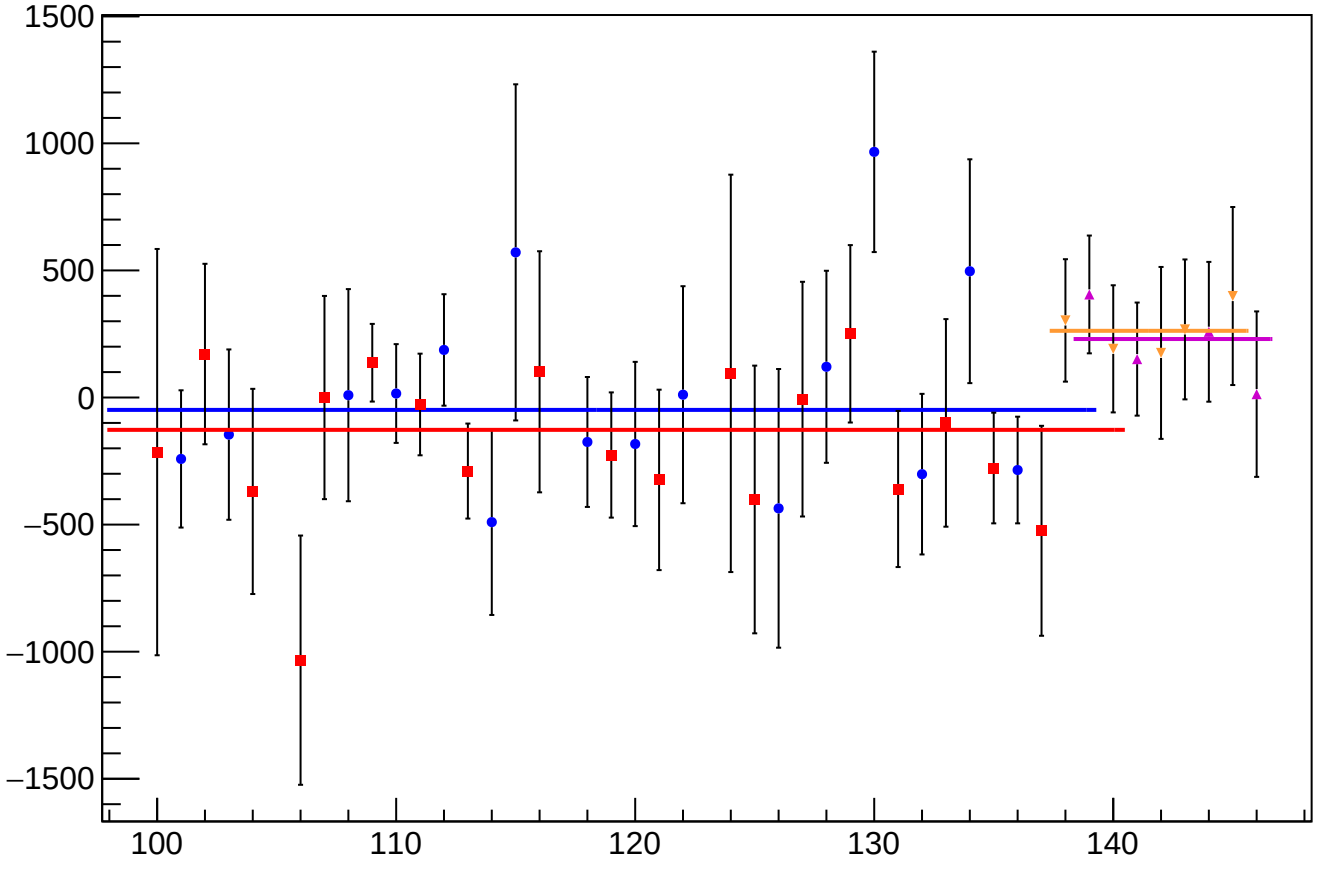
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 205.393+/-0.046 χ^2/NDF:1346649.0/19

Out: 187.216+/-0.042 χ^2/NDF:2174817.8/23

All: 195.506+/-0.031 χ^2/NDF: 3604908.0/43

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 262.404+/-125.670 χ^2/NDF:0.3/4

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 230.108+/-127.526 χ^2/NDF:1.2/3

Left: 246.493+/-89.511 χ^2/NDF: 1.5/8

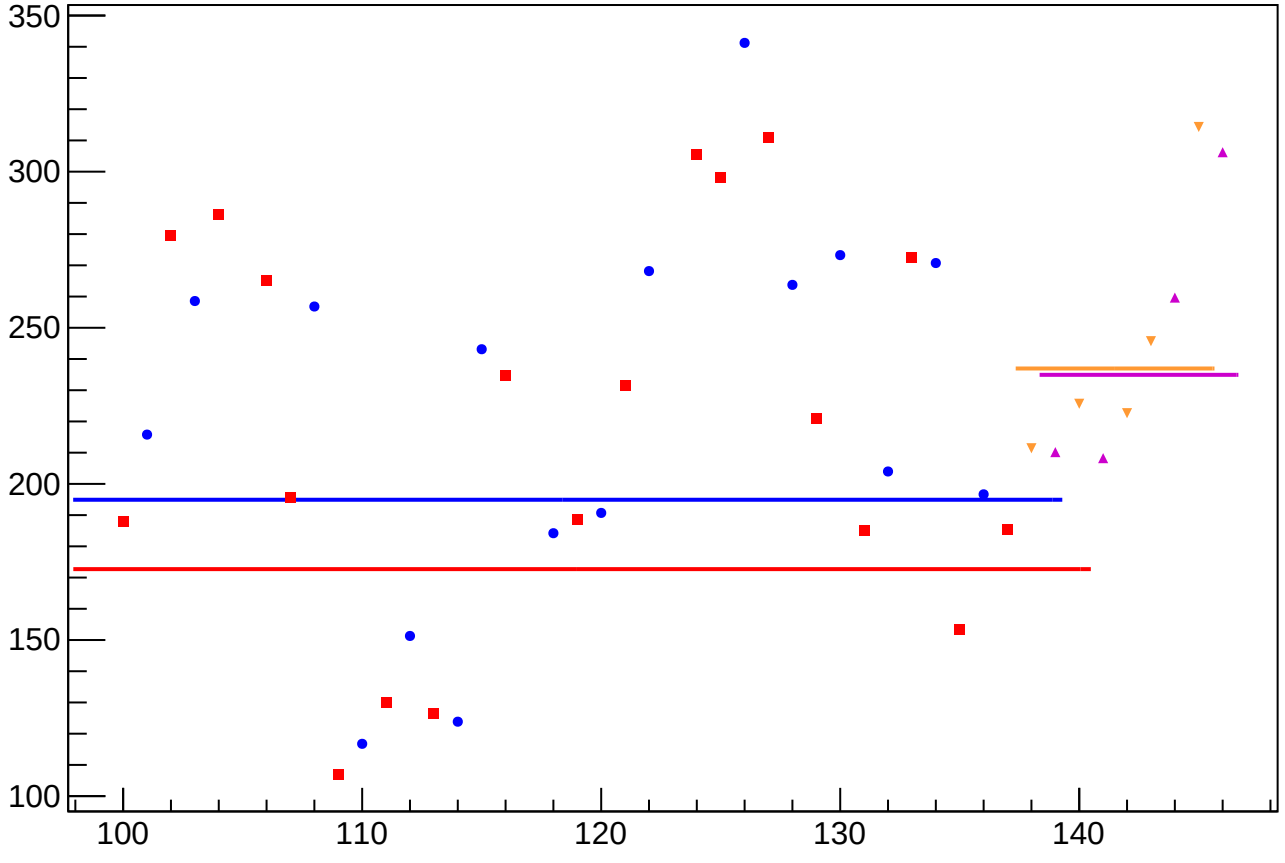
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 25.174+/-65.660 χ^2/NDF:20.1/19

Out: -37.985+/-60.150 χ^2/NDF:20.6/23

All: -9.166+/-44.352 χ^2/NDF: 41.2/43

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 236.960+/-0.089 χ^2/NDF:129749.8/4

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 234.930+/-0.090 χ^2/NDF:163726.6/3

Left: 235.960+/-0.063 χ^2/NDF: 293733.4/8

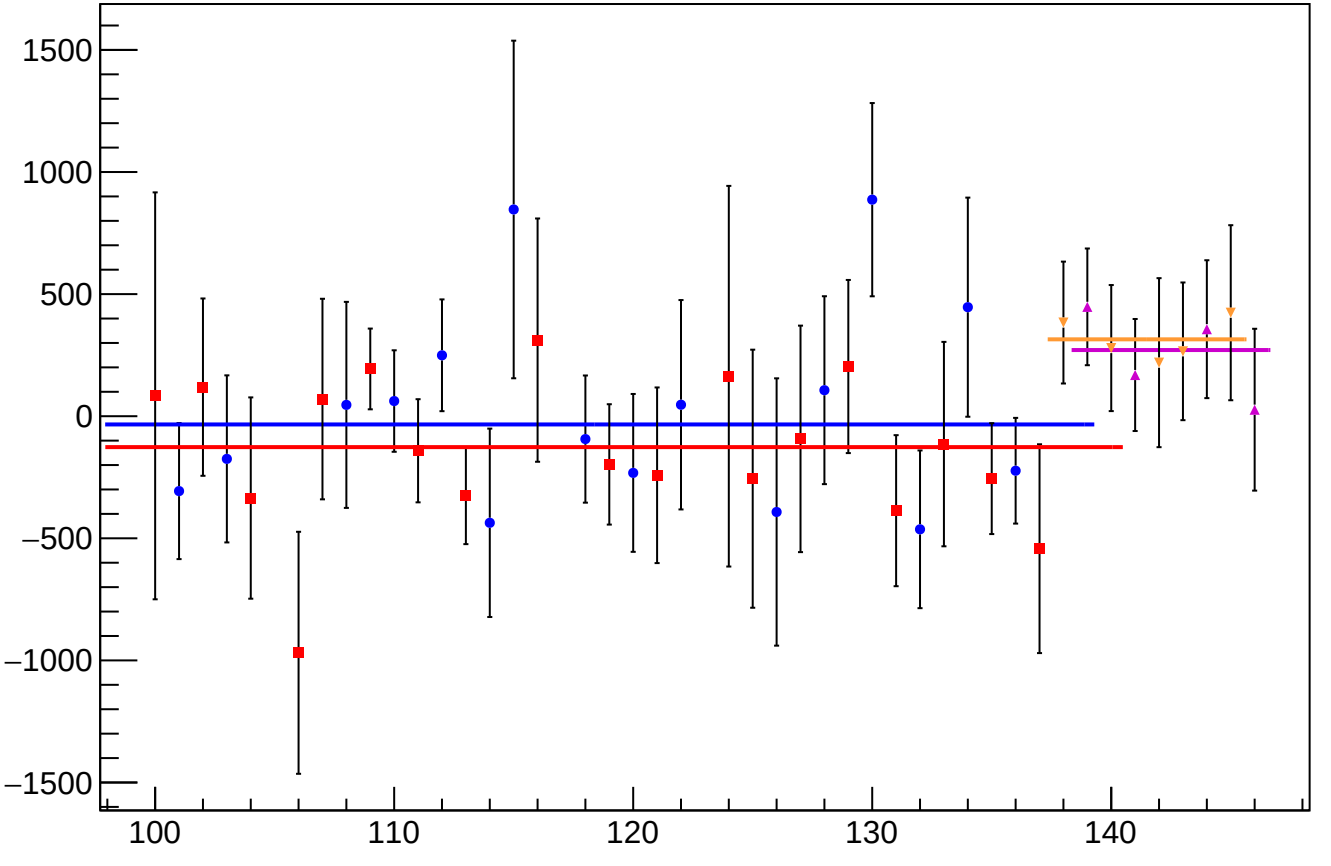
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 205.528+/-0.046 χ^2/NDF:1337286.8/19

Out: 187.424+/-0.043 χ^2/NDF:2164188.1/23

All: 195.685+/-0.031 χ^2/NDF: 3584148.3/43

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 314.803+/-129.337 χ^2/NDF:0.3/4

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 270.978+/-131.126 χ^2/NDF:1.4/3

Left: 293.192+/-92.081 χ^2/NDF: 1.7/8

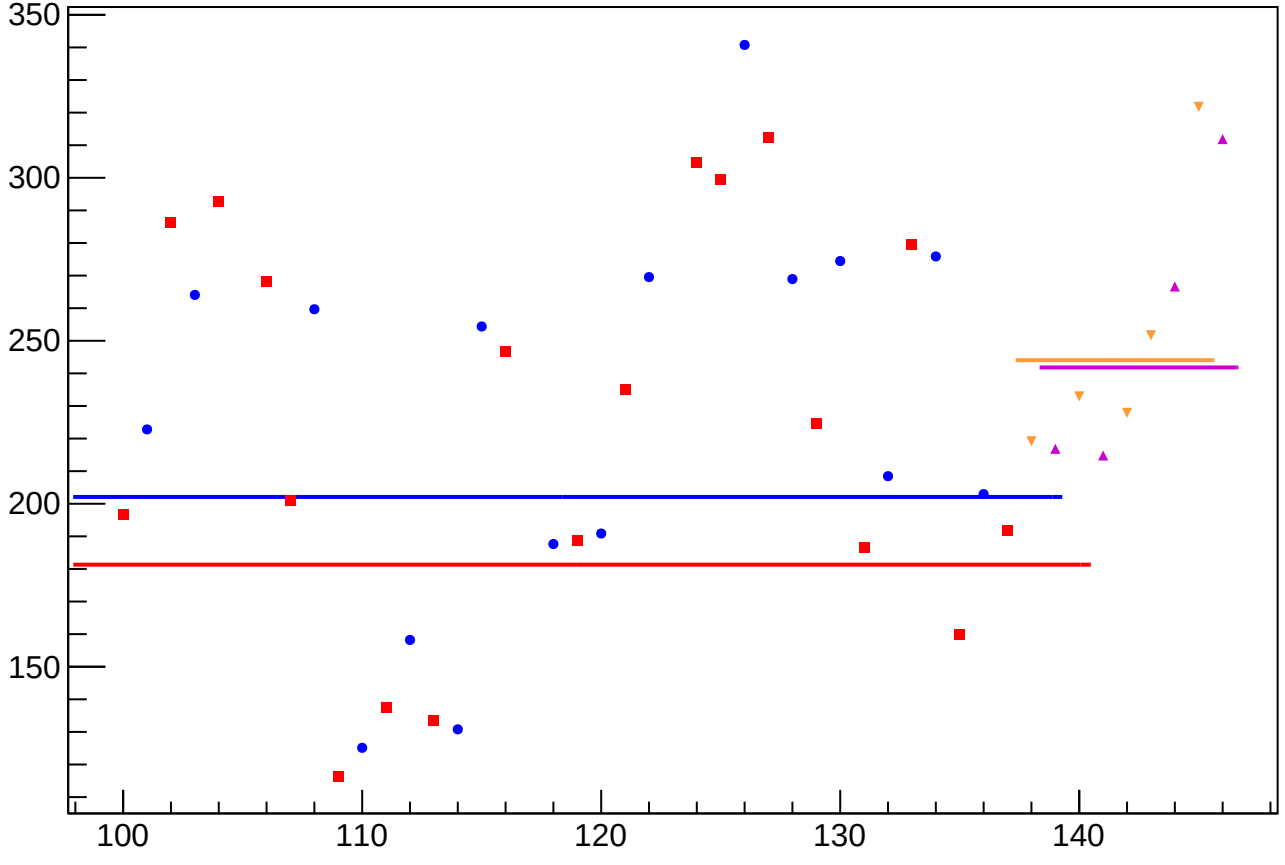
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 47.410+/-67.665 χ^2/NDF:21.1/19

Out: -23.674+/-62.447 χ^2/NDF:21.9/23

All: 9.022+/-45.891 χ^2/NDF: 43.6/43

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 244.048+/-0.091 χ^2/NDF:123447.7/4

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 241.817+/-0.093 χ^2/NDF:154419.1/3

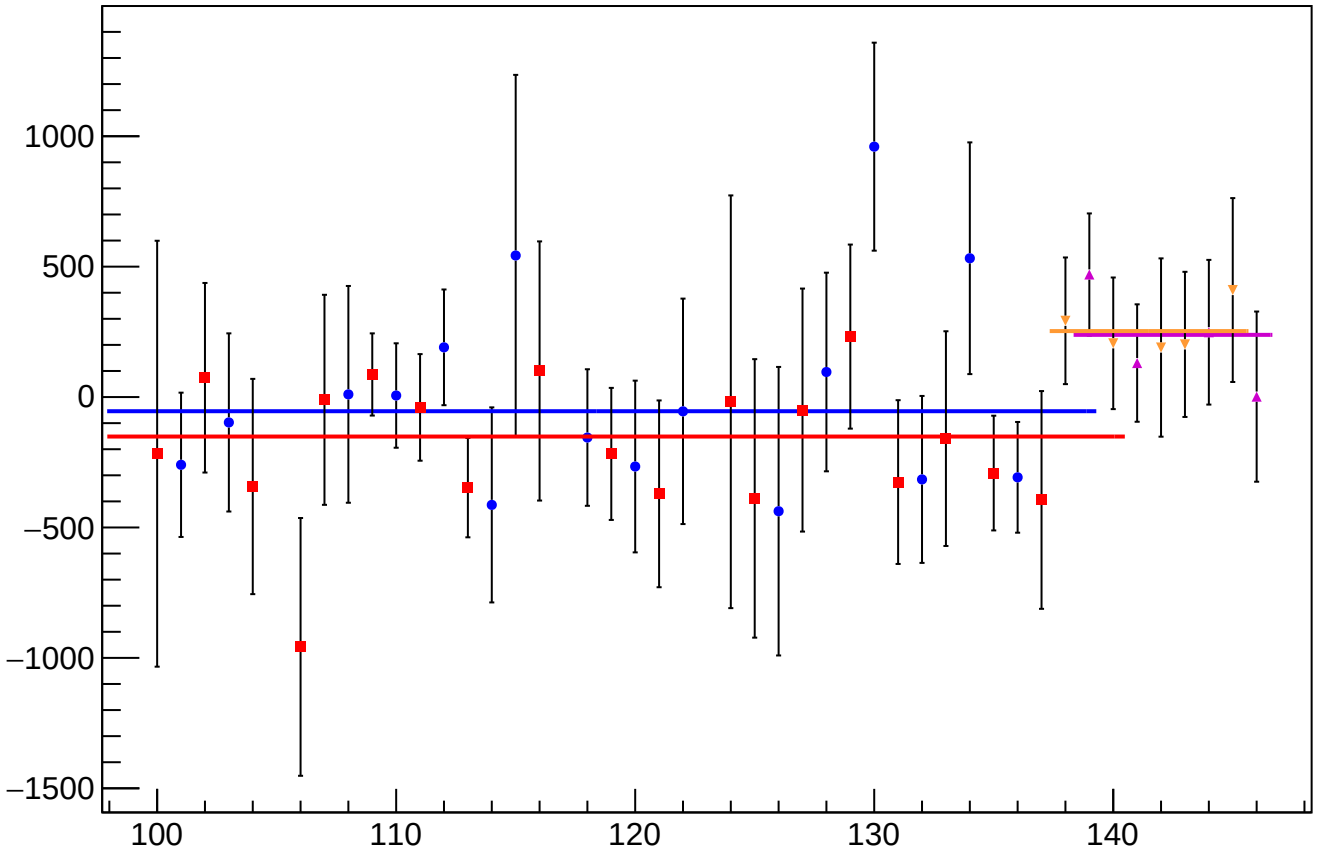
Left: 242.948+/-0.065 χ^2/NDF: 278160.2/8

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 212.669+/-0.048 χ^2/NDF:1199371.0/19

Out: 195.937+/-0.044 χ^2/NDF:1925296.5/23

All: 203.633+/-0.032 χ^2/NDF: 3190711.0/43



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 252.956+/-126.799 χ^2/NDF:0.3/4

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 238.491+/-128.691 χ^2/NDF:1.7/3

Left: 245.831+/-90.322 χ^2/NDF: 2.1/8

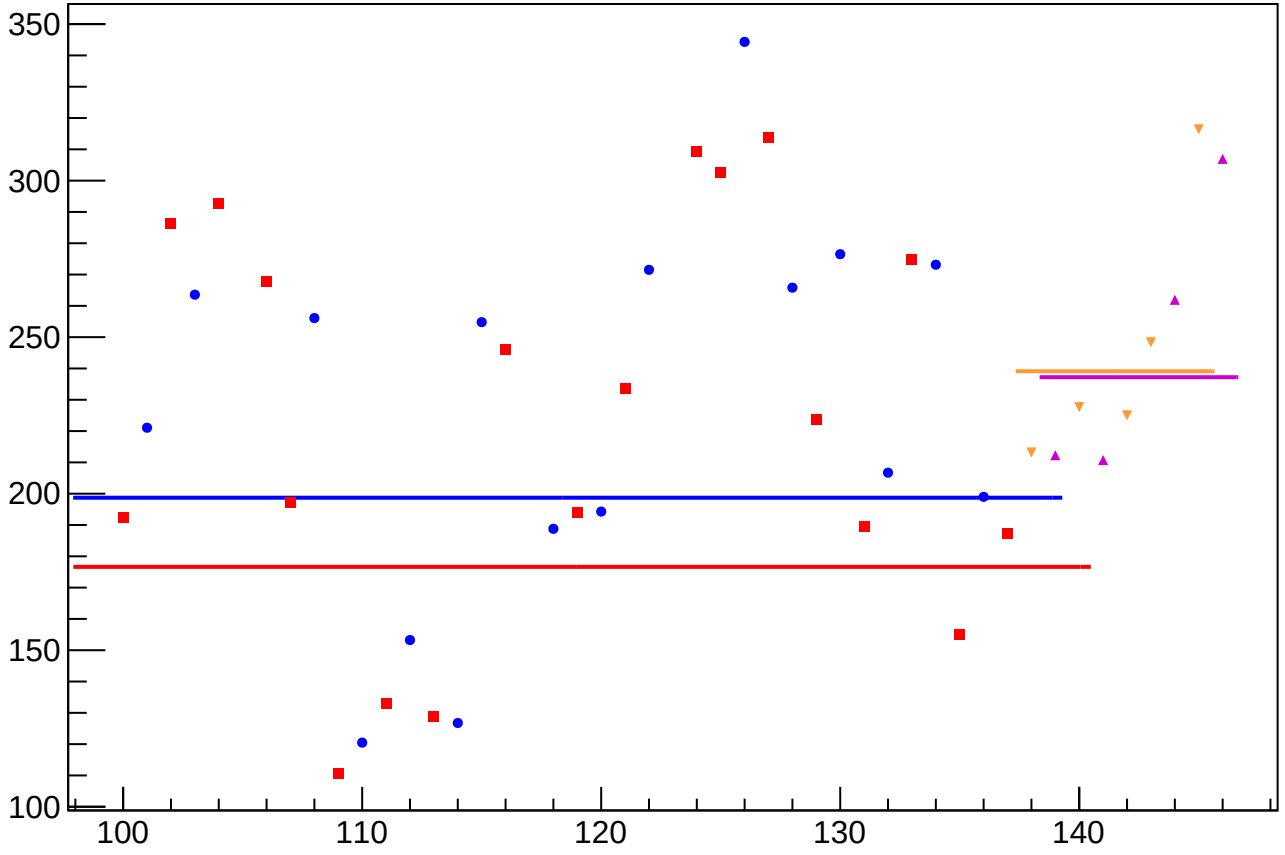
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 24.316+/-66.670 χ^2/NDF:20.6/19

Out: -57.123+/-61.216 χ^2/NDF:18.4/23

All: -19.870+/-45.091 χ^2/NDF: 39.8/43

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 239.122+/-0.090 χ^2/NDF:128737.4/4

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 237.213+/-0.091 χ^2/NDF:157612.0/3

Left: 238.182+/-0.064 χ^2/NDF: 286572.7/8

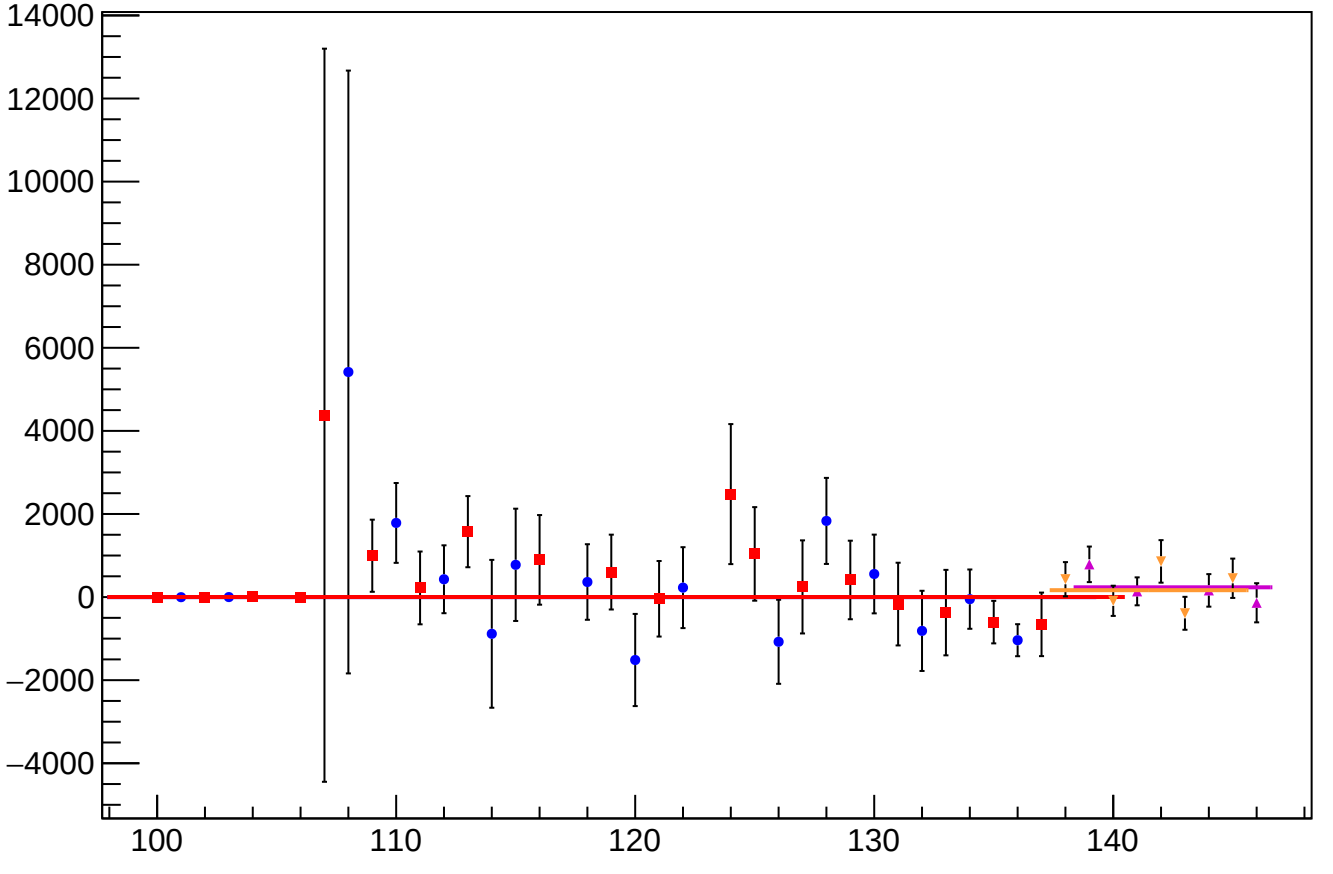
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 209.050+/-0.047 χ^2/NDF:1282604.9/19

Out: 191.189+/-0.043 χ^2/NDF:2097113.4/23

All: 199.359+/-0.032 χ^2/NDF: 3457603.3/43

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 165.745+/-188.635 χ^2/NDF:5.1/4

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 235.029+/-198.710 χ^2/NDF:2.4/3

Left: 198.586+/-136.808 χ^2/NDF: 7.5/8

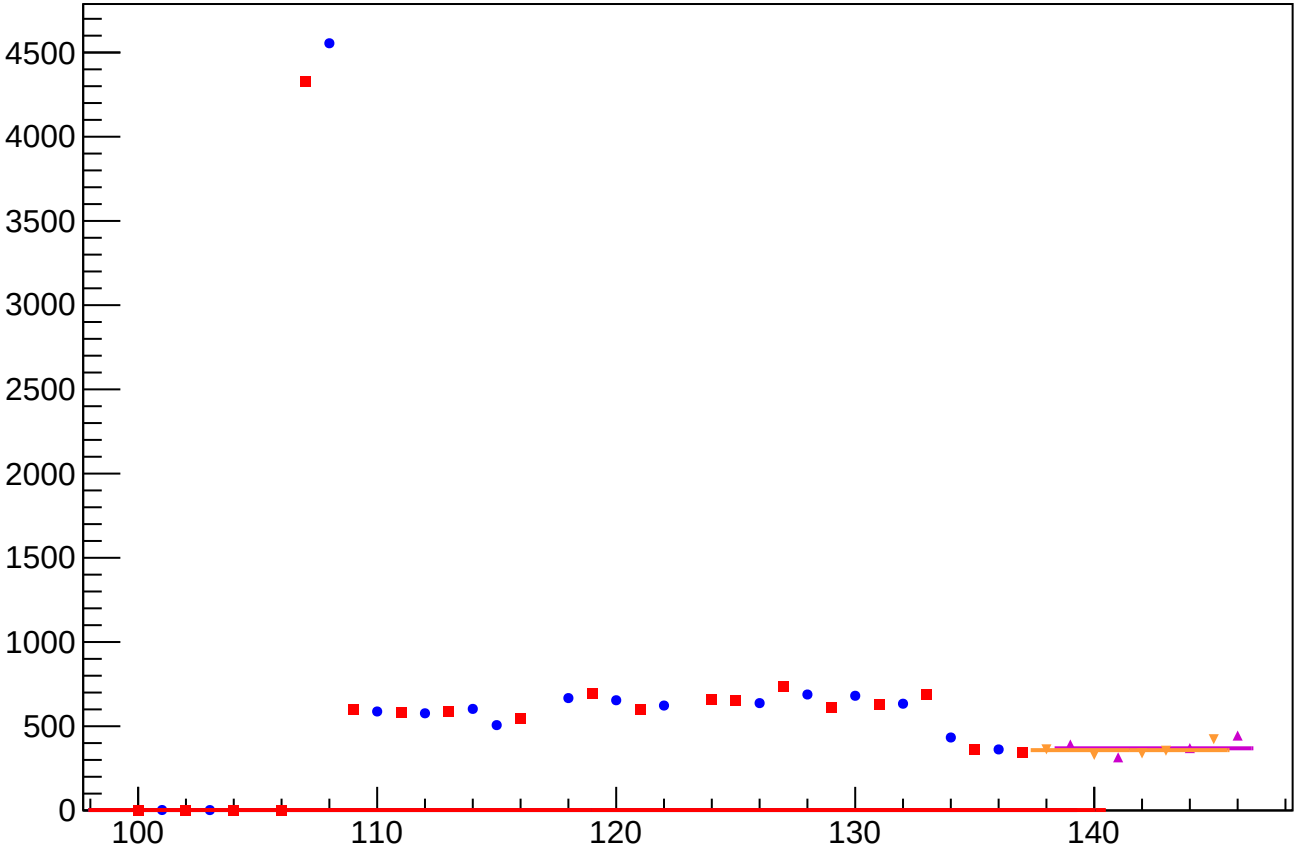
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.211+/-2.171 χ^2/NDF:23.7/19

Out: 1.396+/-2.022 χ^2/NDF:22.7/23

All: 0.185+/-1.480 χ^2/NDF: 47.2/43

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 358.108+/-0.133 χ^2/NDF:53047.4/4

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 369.018+/-0.141 χ^2/NDF:107771.1/3

Left: 363.280+/-0.097 χ^2/NDF: 163989.3/8

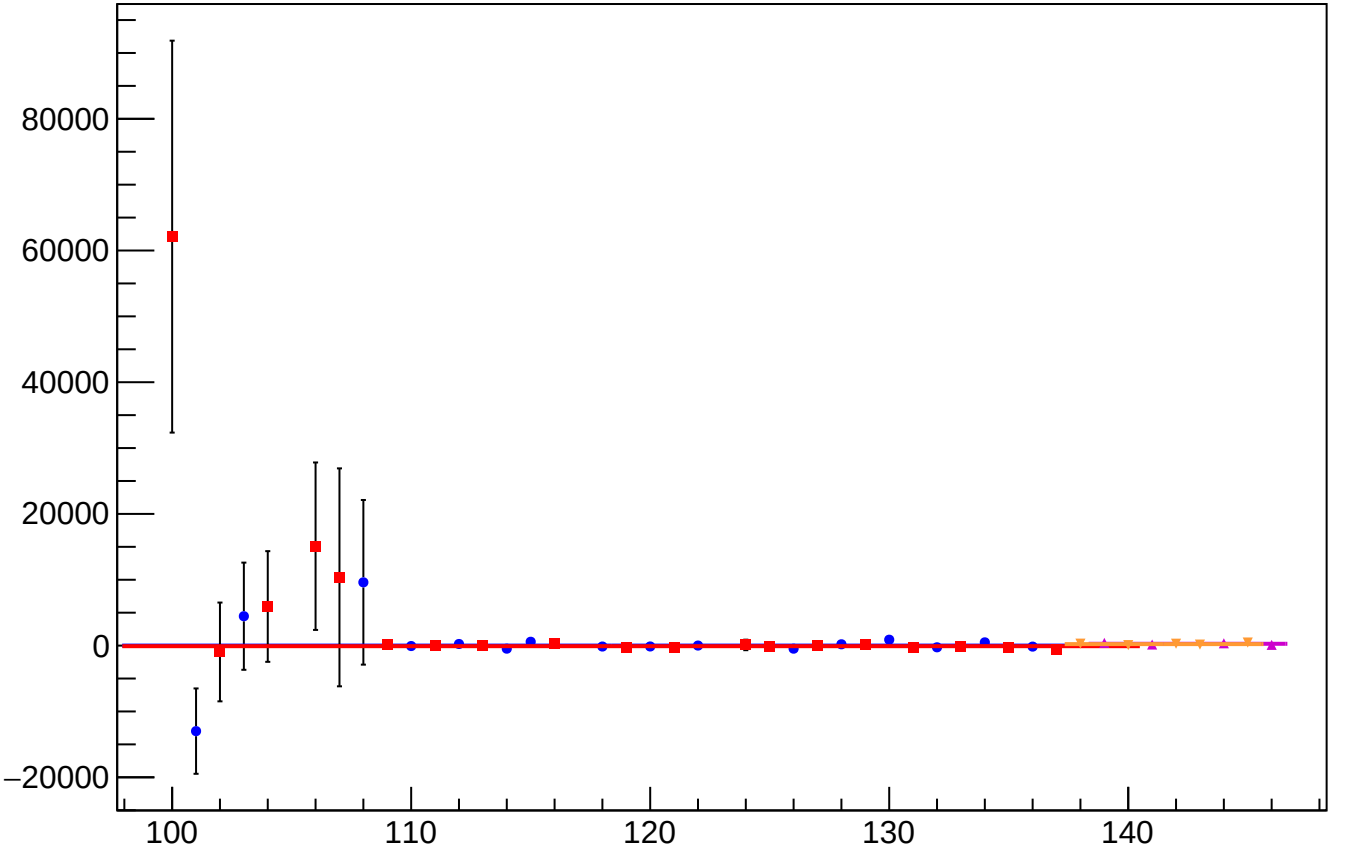
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.520+/-0.002 χ^2/NDF:18538276.6/19

Out: 2.503+/-0.001 χ^2/NDF:18706927.3/23

All: 2.511+/-0.001 χ^2/NDF: 37245272.6/43

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 226.910+/-131.475 χ^2/NDF:1.0/4

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 275.629+/-132.020 χ^2/NDF:0.9/3

Left: 251.169+/-93.159 χ^2/NDF: 1.9/8

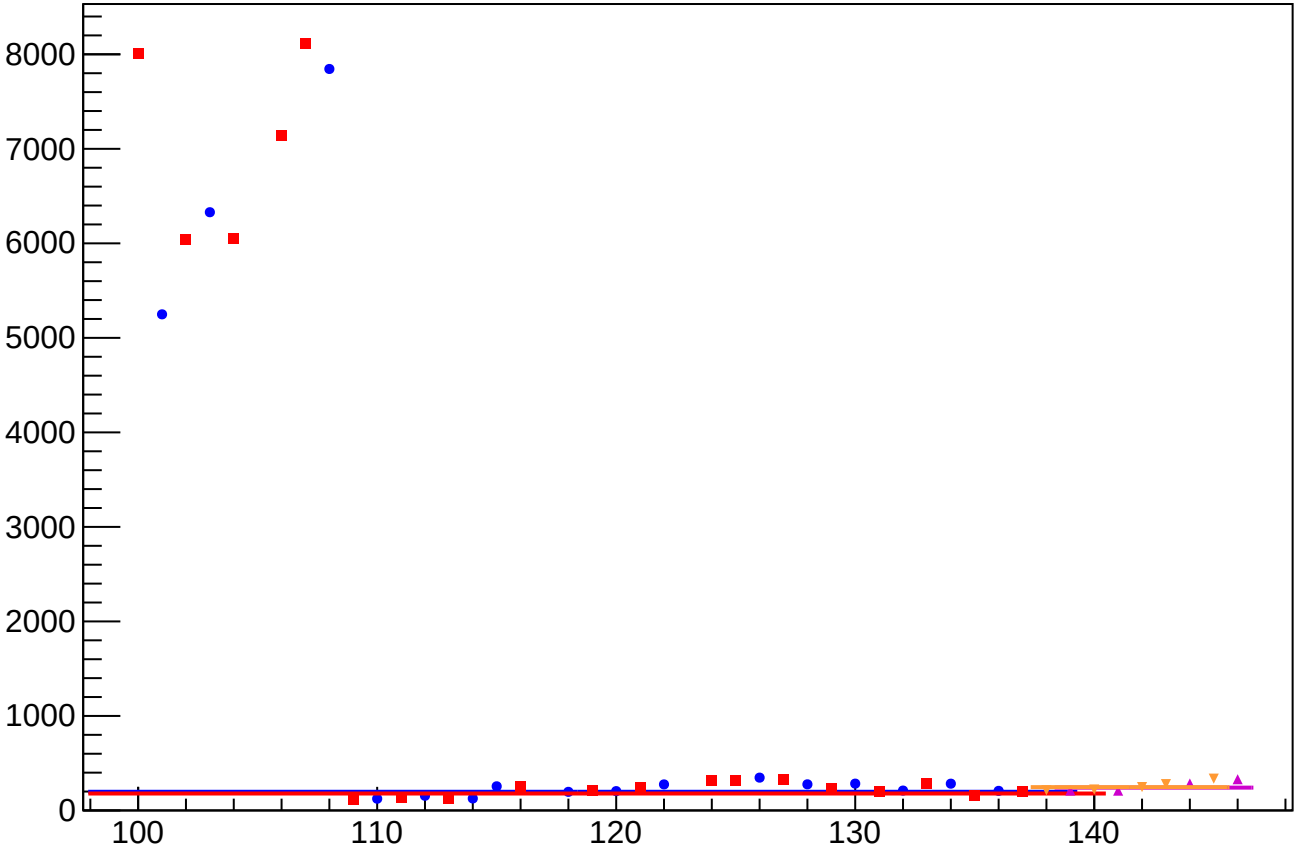
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 84.954+/-73.121 χ^2/NDF:20.7/19

Out: -0.485+/-69.335 χ^2/NDF:20.0/23

All: 39.965+/-50.313 χ^2/NDF: 41.4/43

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 246.613+/-0.093 χ^2/NDF:194353.3/4

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 241.507+/-0.093 χ^2/NDF:246430.0/3

Left: 244.071+/-0.066 χ^2/NDF: 442285.3/8

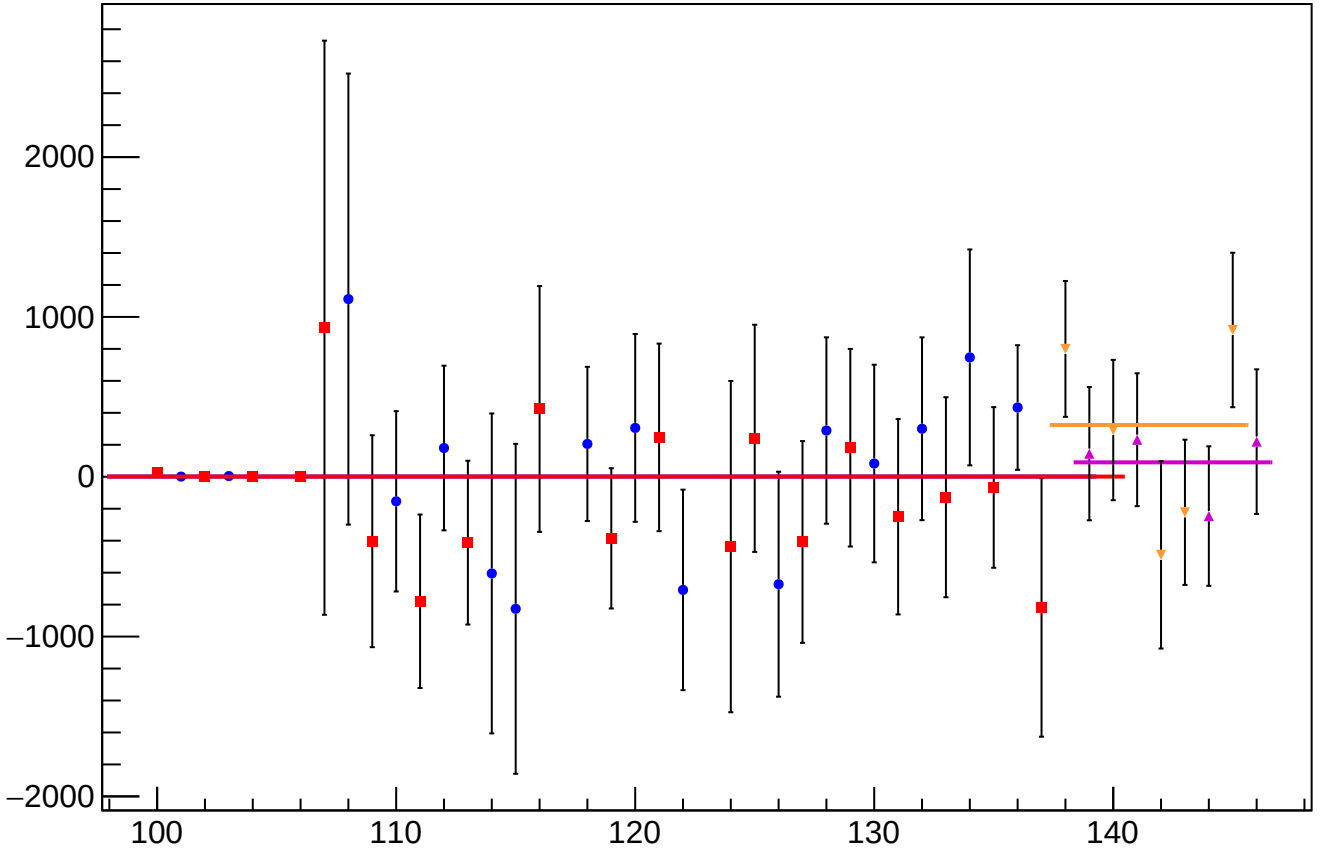
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 211.083+/-0.052 χ^2/NDF:4356840.5/19

Out: 197.984+/-0.049 χ^2/NDF:4991796.1/23

All: 204.186+/-0.036 χ^2/NDF: 9382431.6/43

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 323.998+/-209.604 χ^2/NDF:6.1/4

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 90.159+/-214.789 χ^2/NDF:0.8/3

Left: 209.935+/-150.012 χ^2/NDF: 7.6/8

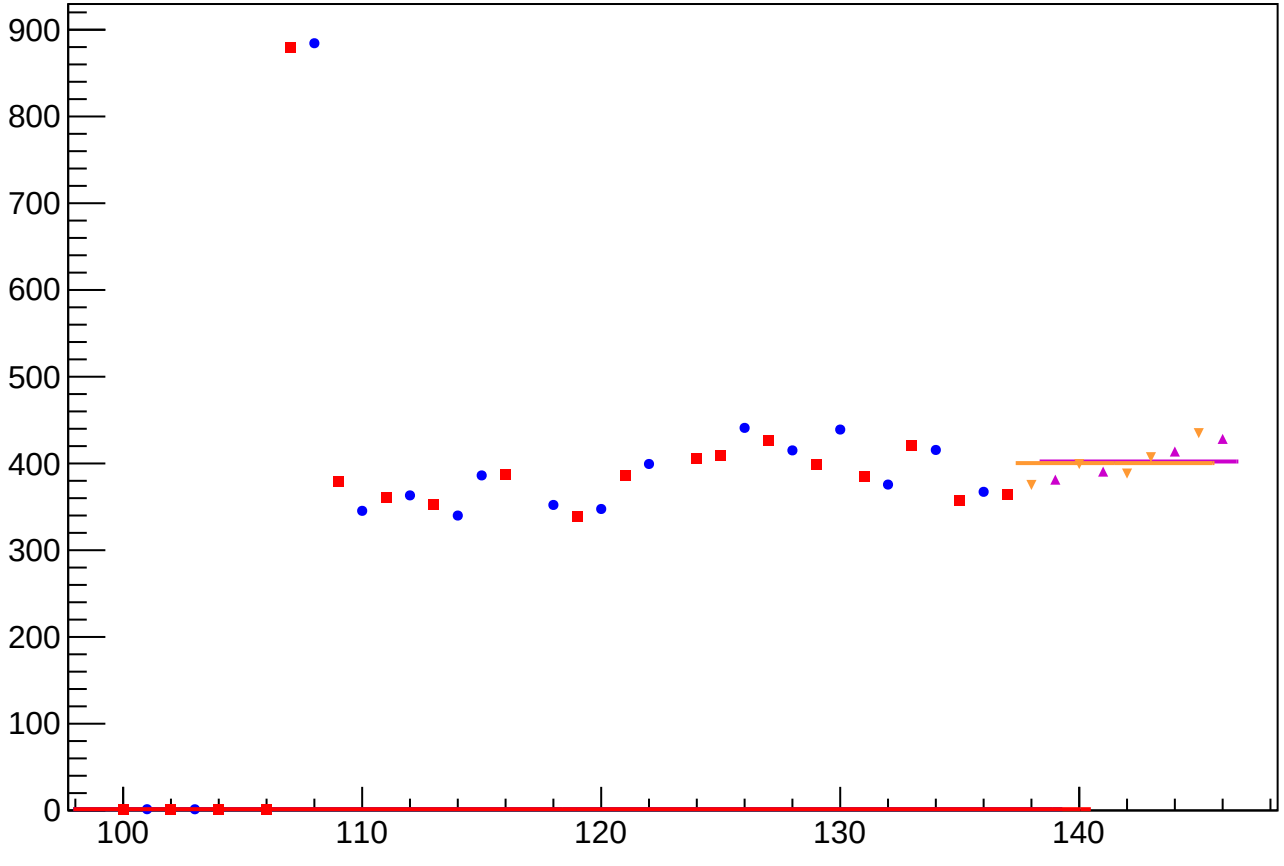
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.461+/-1.660 χ^2/NDF:8.9/19

Out: 1.111+/-1.528 χ^2/NDF:17.7/23

All: 1.271+/-1.124 χ^2/NDF: 26.6/43

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 400.419+/-0.148 χ^2/NDF:18527.2/4

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 402.272+/-0.152 χ^2/NDF:14629.8/3

Left: 401.323+/-0.106 χ^2/NDF: 33233.2/8

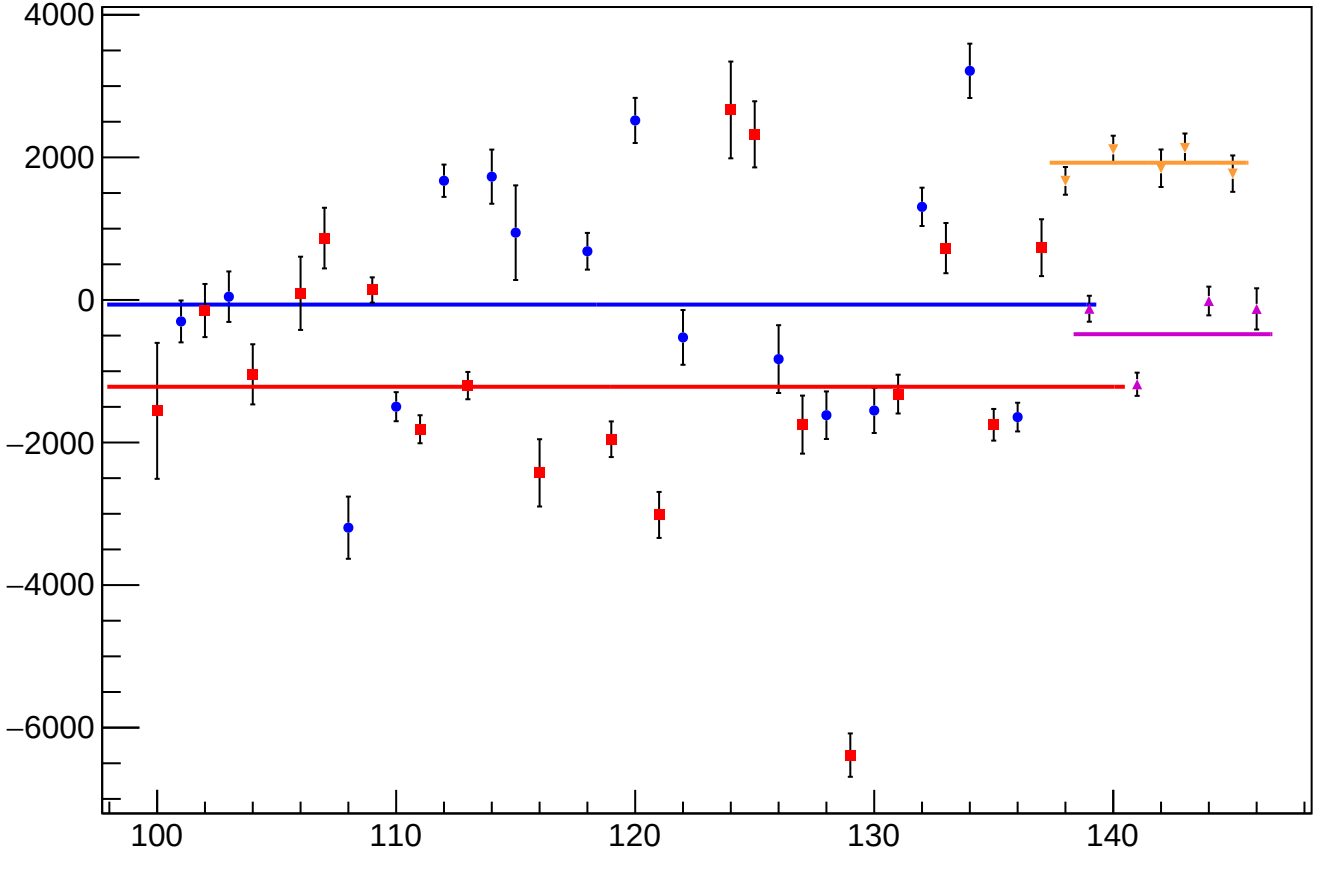
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.494+/-0.001 χ^2/NDF:18713655.8/19

Out: 1.488+/-0.001 χ^2/NDF:18534120.1/23

All: 1.491+/-0.001 χ^2/NDF: 37247789.0/43

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1925.191+/-96.231 χ^2/NDF:4.2/4

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: -480.358+/-97.816 χ^2/NDF:29.3/3

Left: 742.066+/-68.599 χ^2/NDF: 340.8/8

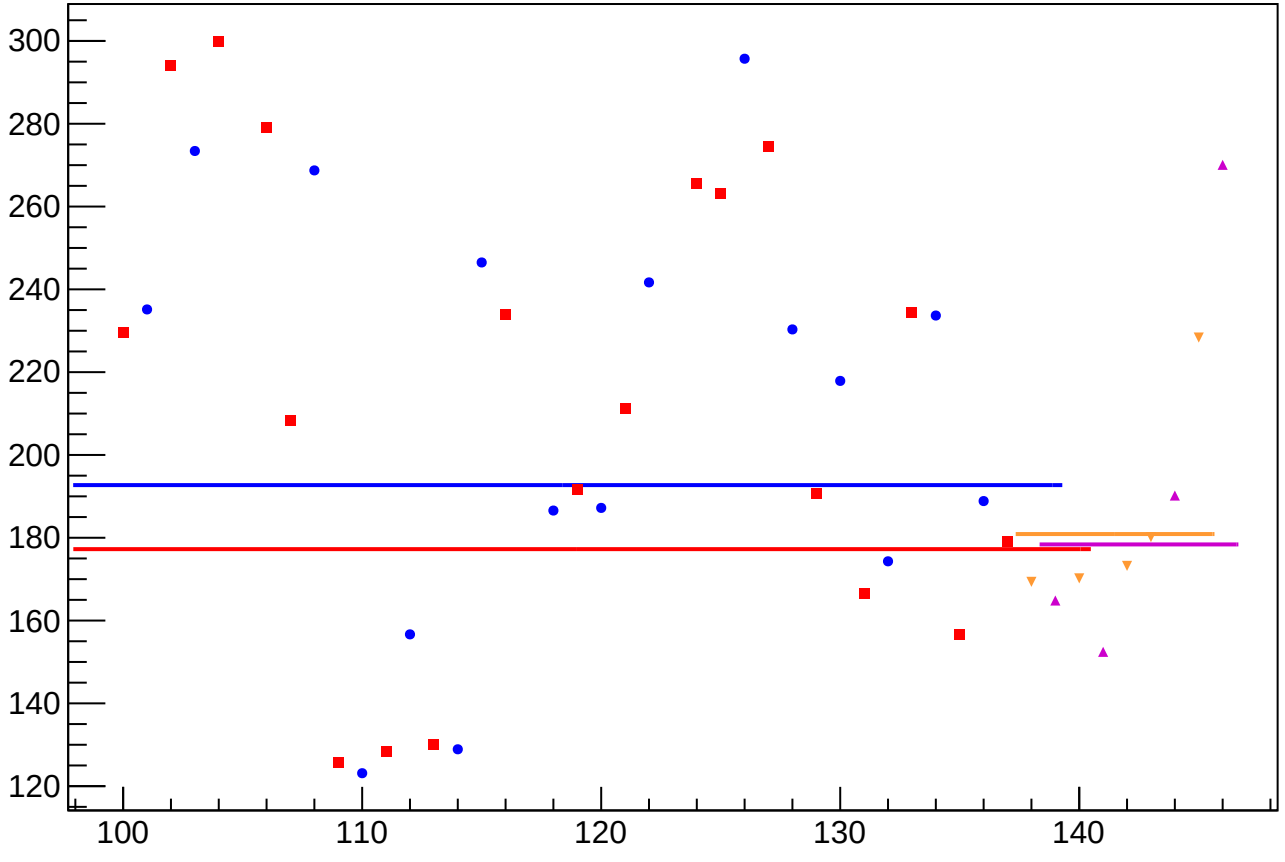
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -218.505+/-59.466 χ^2/NDF:510.1/19

Out: -150.165+/-56.087 χ^2/NDF:1303.2/23

All: -182.338+/-40.802 χ^2/NDF: 1814.0/43

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 180.897+/-0.068 χ^2/NDF:84243.6/4

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 178.390+/-0.069 χ^2/NDF:269831.9/3

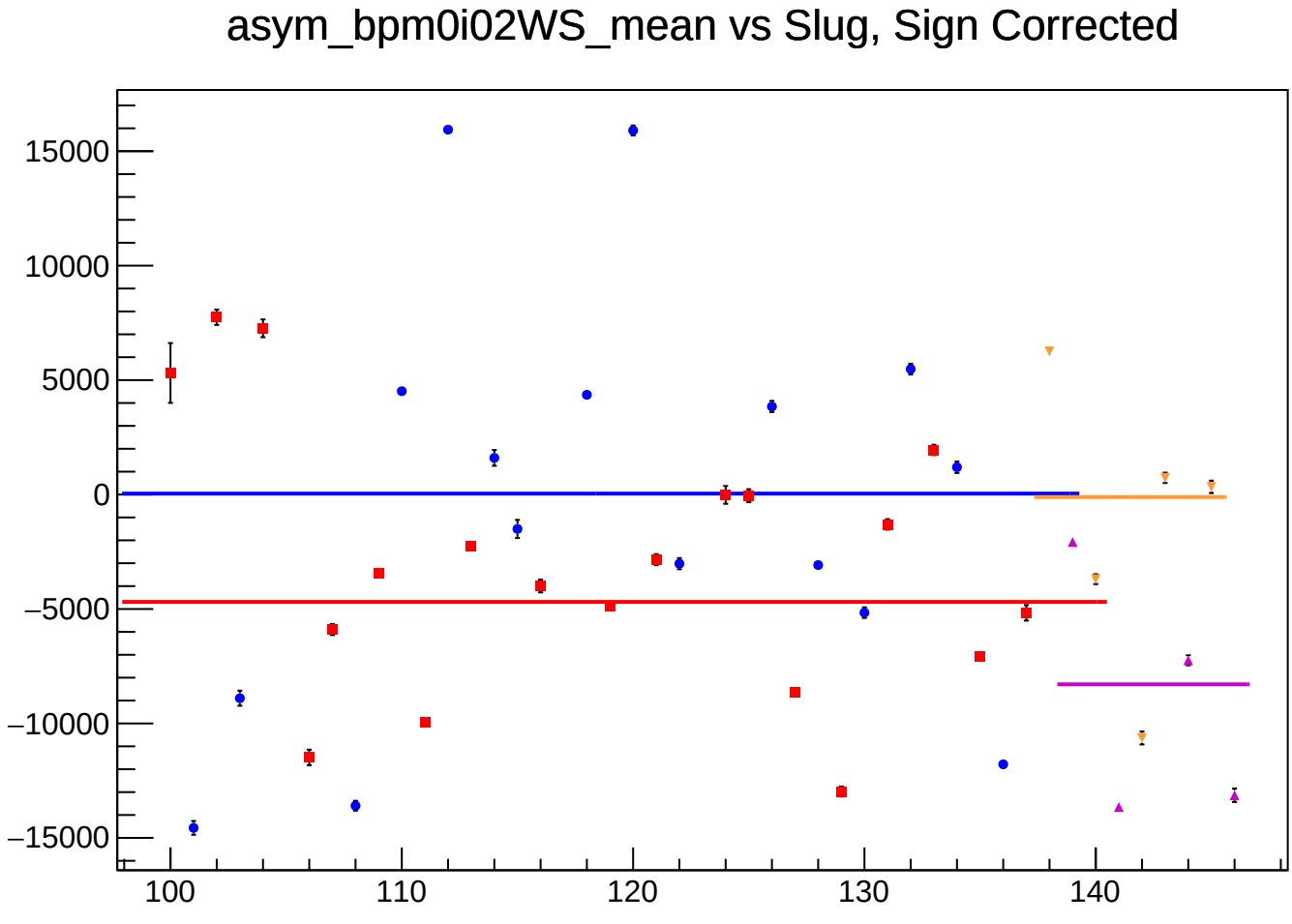
Left: 179.664+/-0.049 χ^2/NDF: 354743.1/8

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 187.423+/-0.042 χ^2/NDF:1056036.5/19

Out: 178.490+/-0.040 χ^2/NDF:1312318.9/23

All: 182.695+/-0.029 χ^2/NDF: 2392243.4/43



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -108.420+/-102.163 χ^2/NDF:2827.6/4

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8290.564+/-107.557 χ^2/NDF:2126.6/3

Left: -3989.179+/-74.074 χ^2/NDF: 7996.4/8

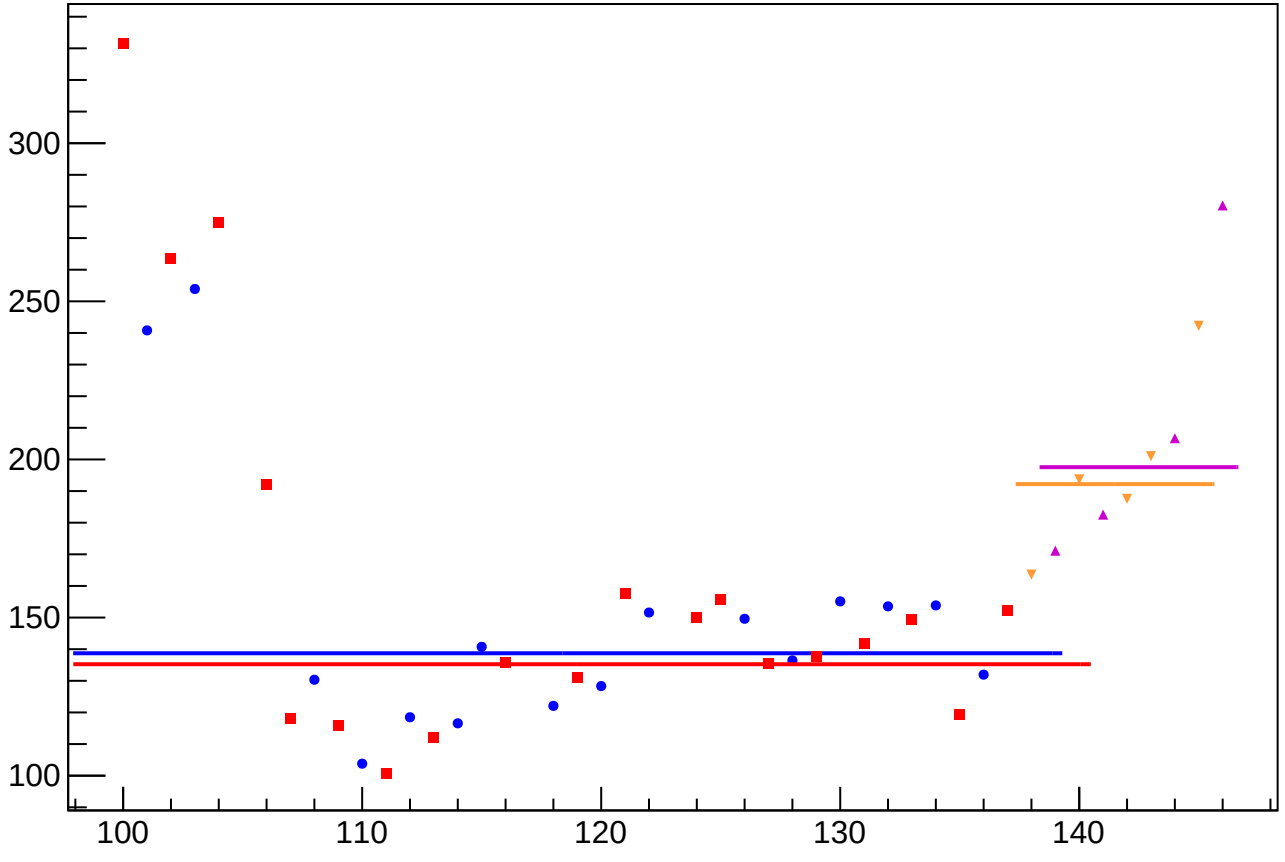
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -1646.224+/-48.401 χ^2/NDF:37698.0/19

Out: -3744.307+/-46.410 χ^2/NDF:12219.2/23

All: -2739.313+/-33.498 χ^2/NDF: 50896.2/43

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 192.202+/-0.072 χ^2/NDF:119068.6/4

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 197.562+/-0.076 χ^2/NDF:210445.2/3

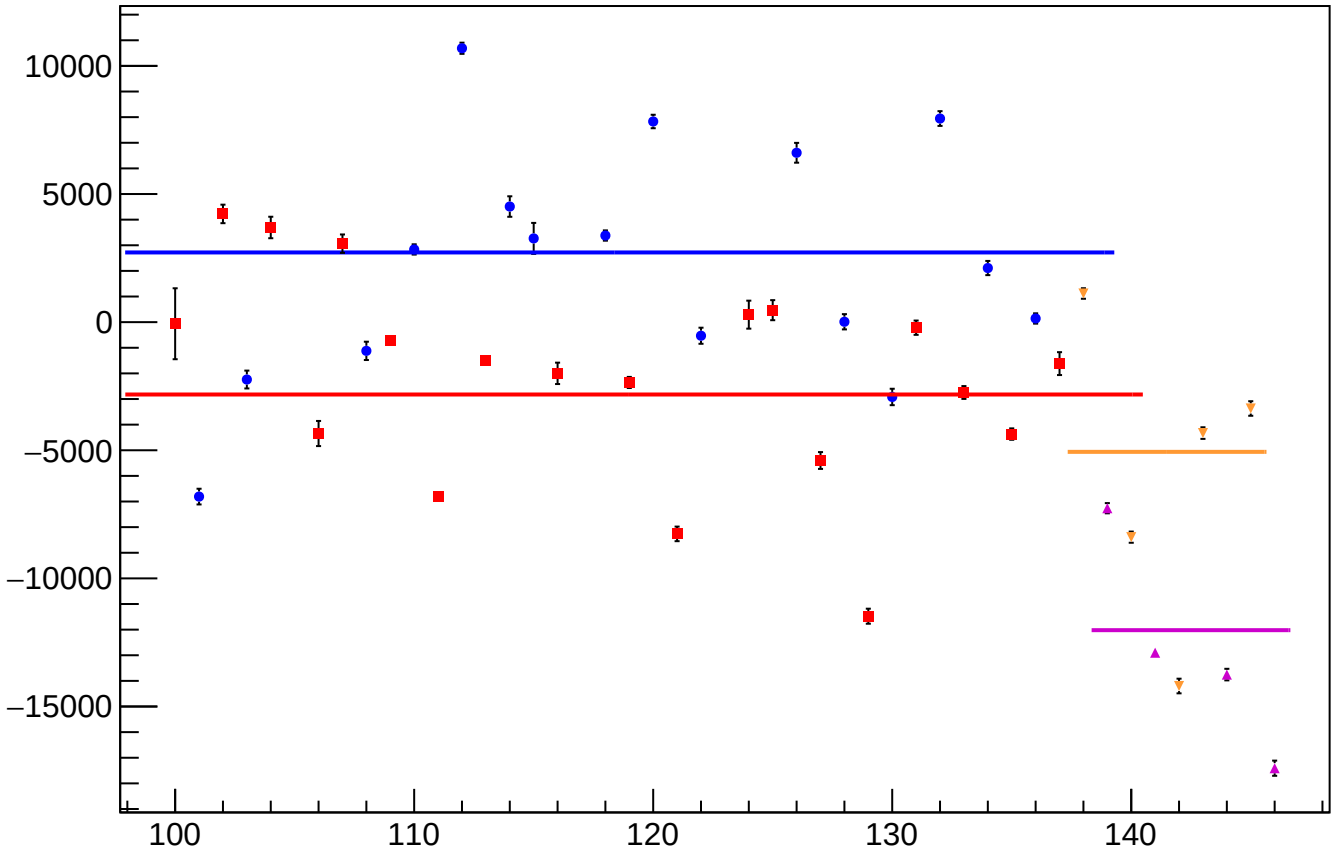
Left: 194.744+/-0.052 χ^2/NDF: 332124.8/8

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 150.629+/-0.034 χ^2/NDF:1345735.0/19

Out: 146.999+/-0.033 χ^2/NDF:1502443.6/23

All: 148.738+/-0.024 χ^2/NDF: 2854040.6/43



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5061.976+/-106.143 χ^2/NDF:2206.3/4

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12020.892+/-109.141 χ^2/NDF:981.0/3

Left: -8444.560+/-76.092 χ^2/NDF: 5276.5/8

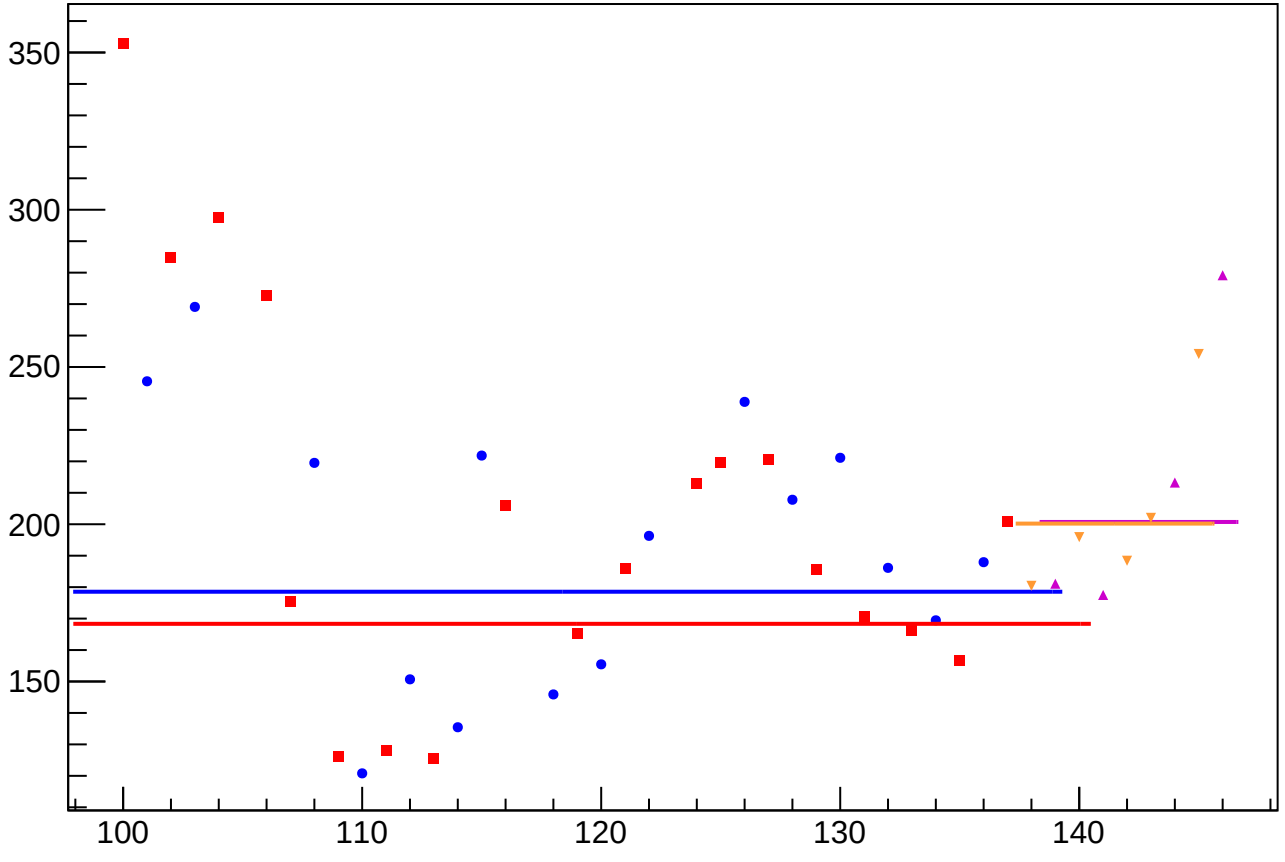
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -1510.941+/-58.471 χ^2/NDF:18116.3/19

Out: -3432.086+/-55.339 χ^2/NDF:5592.8/23

All: -2524.343+/-40.192 χ^2/NDF: 24278.6/43

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.204+/-0.075 χ^2/NDF:94946.8/4

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 200.724+/-0.077 χ^2/NDF:195687.4/3

Left: 200.457+/-0.054 χ^2/NDF: 290657.4/8

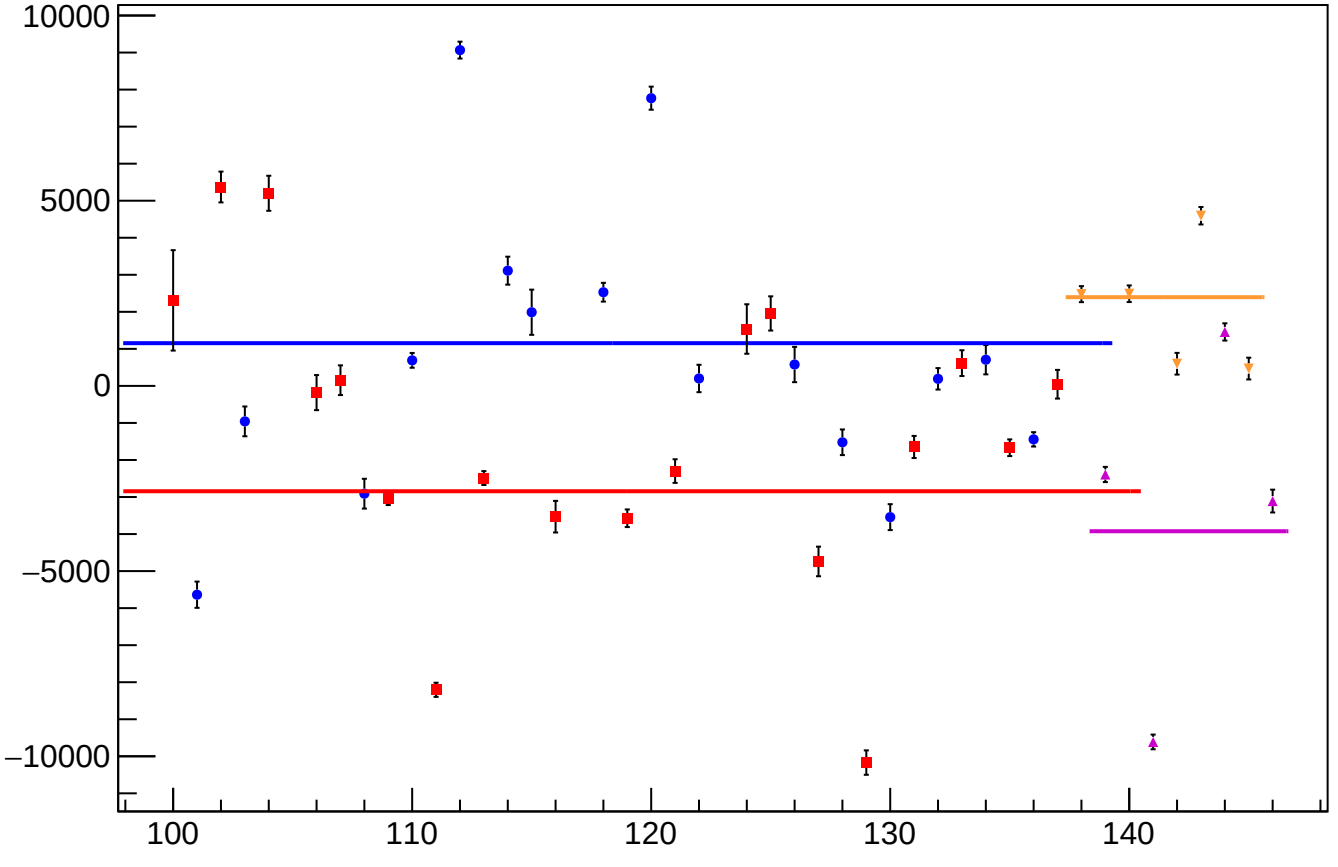
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 184.908+/-0.041 χ^2/NDF:929161.0/19

Out: 176.997+/-0.039 χ^2/NDF:1205724.9/23

All: 180.735+/-0.028 χ^2/NDF: 2154195.6/43

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2395.439+/-110.109 χ^2/NDF:168.2/4

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -3923.686+/-113.245 χ^2/NDF:1415.5/3

Left: -675.407+/-78.944 χ^2/NDF: 3184.2/8

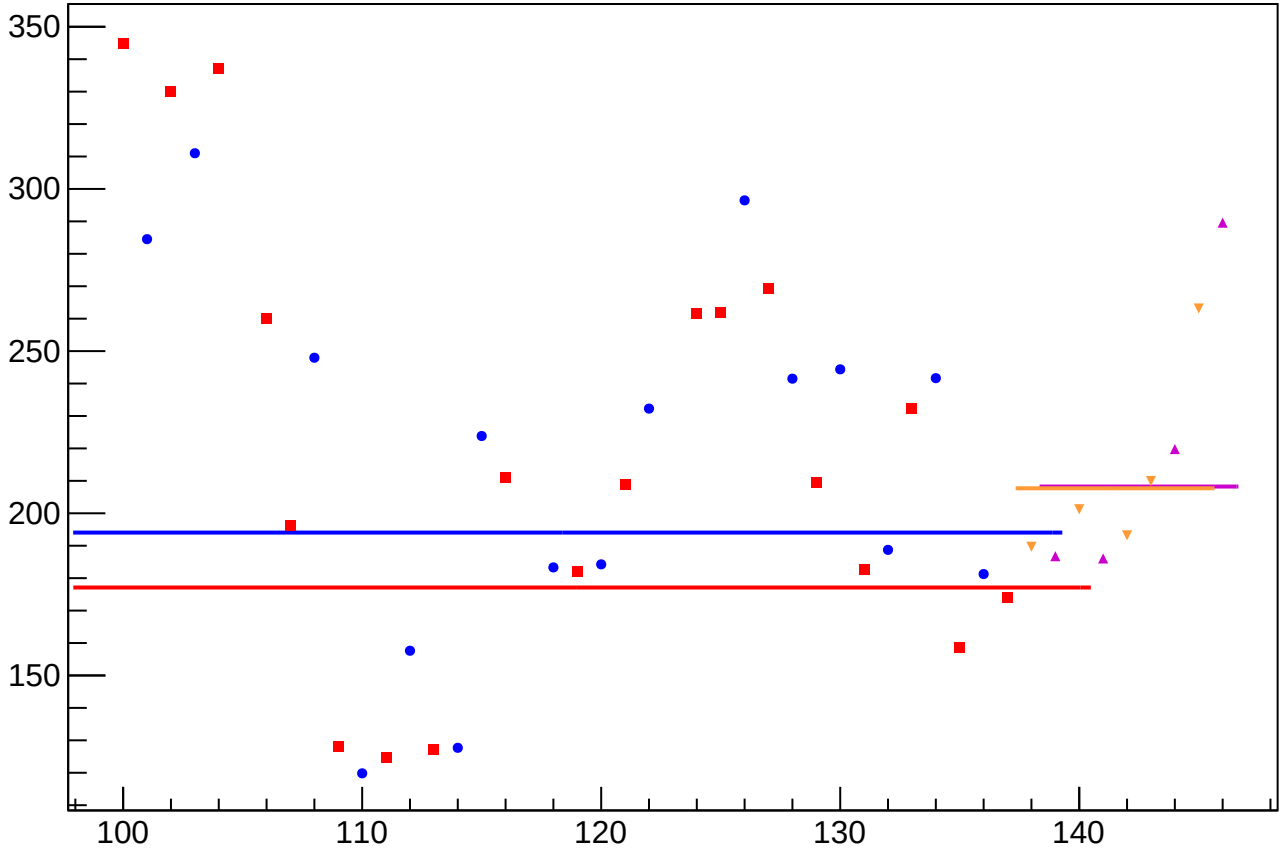
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -421.653+/-63.081 χ^2/NDF:5457.3/19

Out: -1362.307+/-58.553 χ^2/NDF:4245.2/23

All: -926.952+/-42.915 χ^2/NDF: 9822.0/43

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 207.705+/-0.078 χ^2/NDF:91838.9/4

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 208.245+/-0.080 χ^2/NDF:191187.6/3

Left: 207.968+/-0.056 χ^2/NDF: 283049.8/8

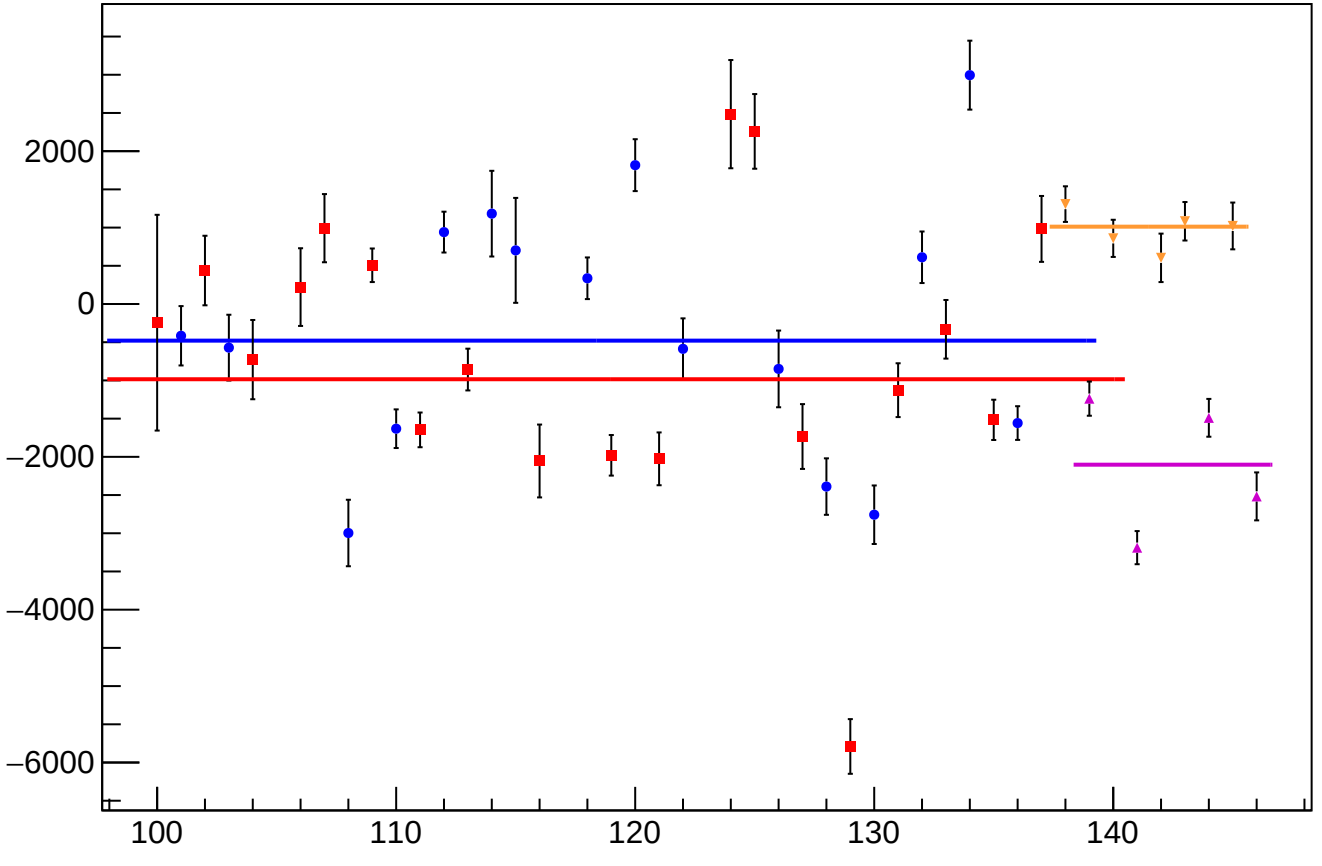
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 198.457+/-0.045 χ^2/NDF:1178638.6/19

Out: 185.765+/-0.041 χ^2/NDF:1561898.6/23

All: 191.639+/-0.030 χ^2/NDF: 2784023.0/43

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1012.099+/-118.099 χ^2/NDF:3.7/4

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2102.702+/-121.497 χ^2/NDF:47.9/3

Left: -501.136+/-84.684 χ^2/NDF: 389.6/8

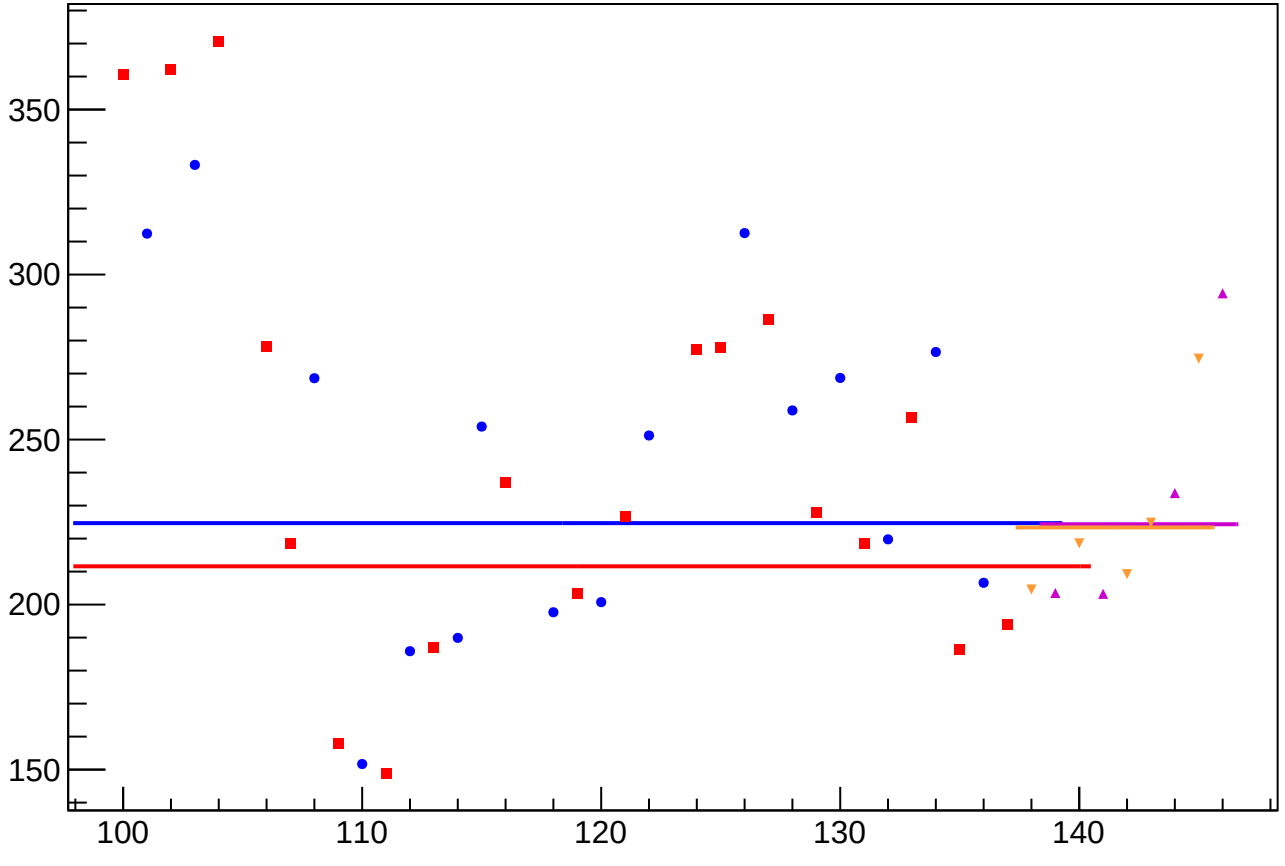
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1026.924+/-70.565 χ^2/NDF:471.6/19

Out: -346.335+/-66.768 χ^2/NDF:596.3/23

All: -667.823+/-48.499 χ^2/NDF: 1117.1/43

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 223.377+/-0.084 χ^2/NDF:73723.1/4

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 224.349+/-0.086 χ^2/NDF:138649.8/3

Left: 223.849+/-0.060 χ^2/NDF: 212438.8/8

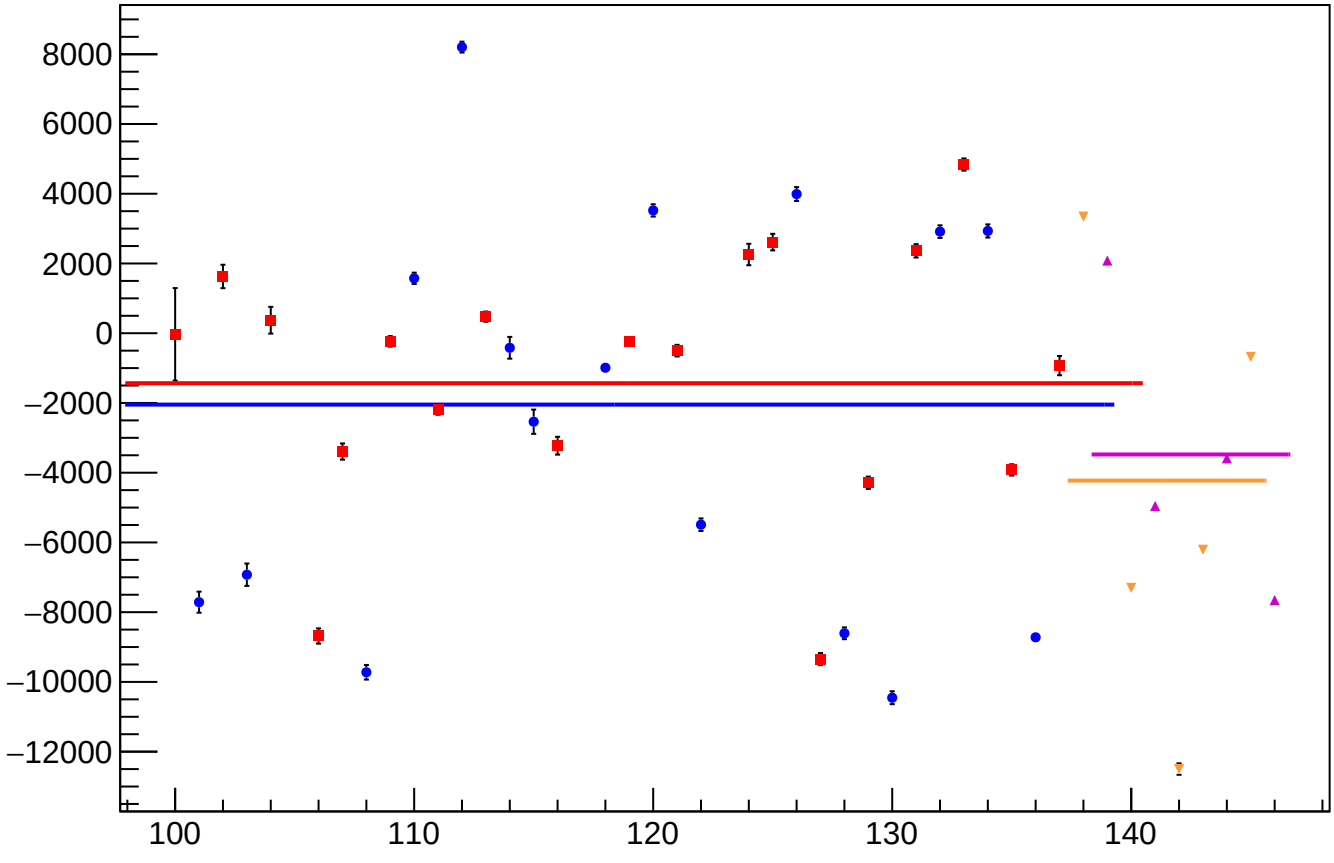
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.570+/-0.050 χ^2/NDF:791853.2/19

Out: 215.361+/-0.047 χ^2/NDF:1020168.3/23

All: 219.711+/-0.034 χ^2/NDF: 1829995.8/43

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4226.315+/-60.029 χ^2/NDF:7508.8/4

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -3477.145+/-61.589 χ^2/NDF:3061.2/3

Left: -3861.339+/-42.988 χ^2/NDF: 10645.8/8

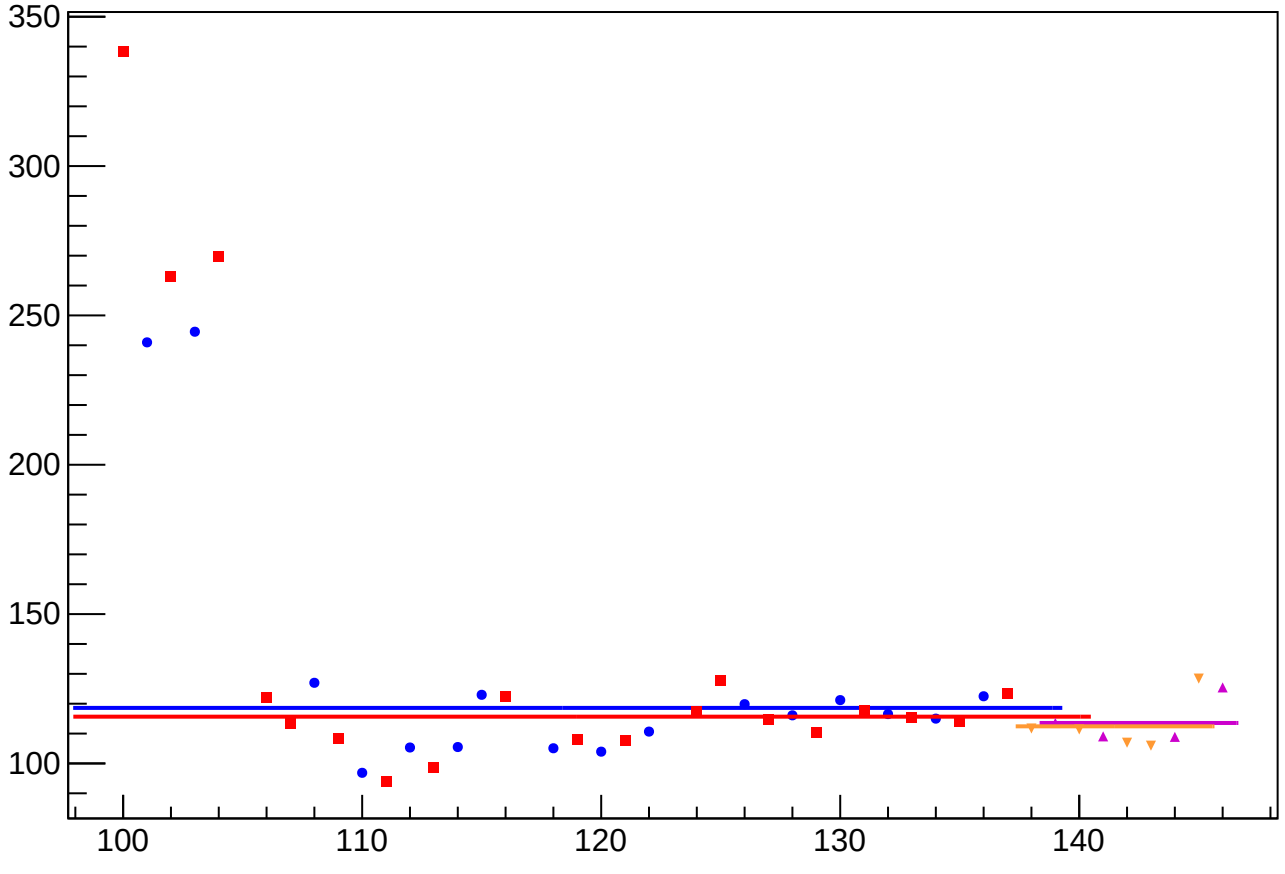
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -2569.563+/-37.223 χ^2/NDF:20112.4/19

Out: -2430.152+/-35.867 χ^2/NDF:15288.9/23

All: -2497.271+/-25.828 χ^2/NDF: 35408.6/43

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 112.422+/-0.042 χ^2/NDF:32545.2/4

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 113.549+/-0.044 χ^2/NDF:21891.7/3

Left: 112.971+/-0.030 χ^2/NDF: 54780.7/8

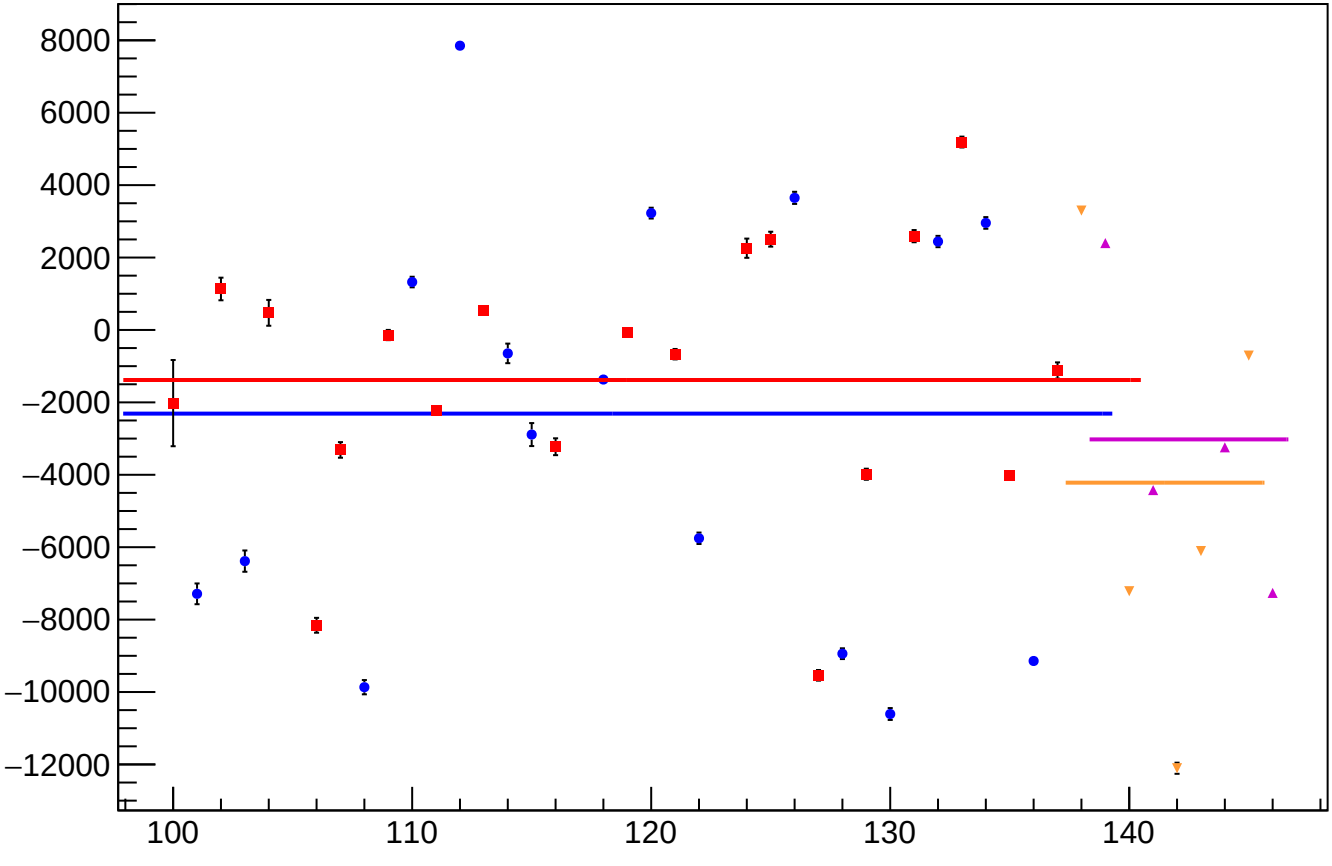
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.752+/-0.026 χ^2/NDF:764573.4/19

Out: 114.504+/-0.025 χ^2/NDF:900493.3/23

All: 115.586+/-0.018 χ^2/NDF: 1668852.1/43

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4217.627+/-55.080 χ^2/NDF:8394.3/4

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -3022.676+/-55.989 χ^2/NDF:3642.3/3

Left: -3629.925+/-39.265 χ^2/NDF: 12268.1/8

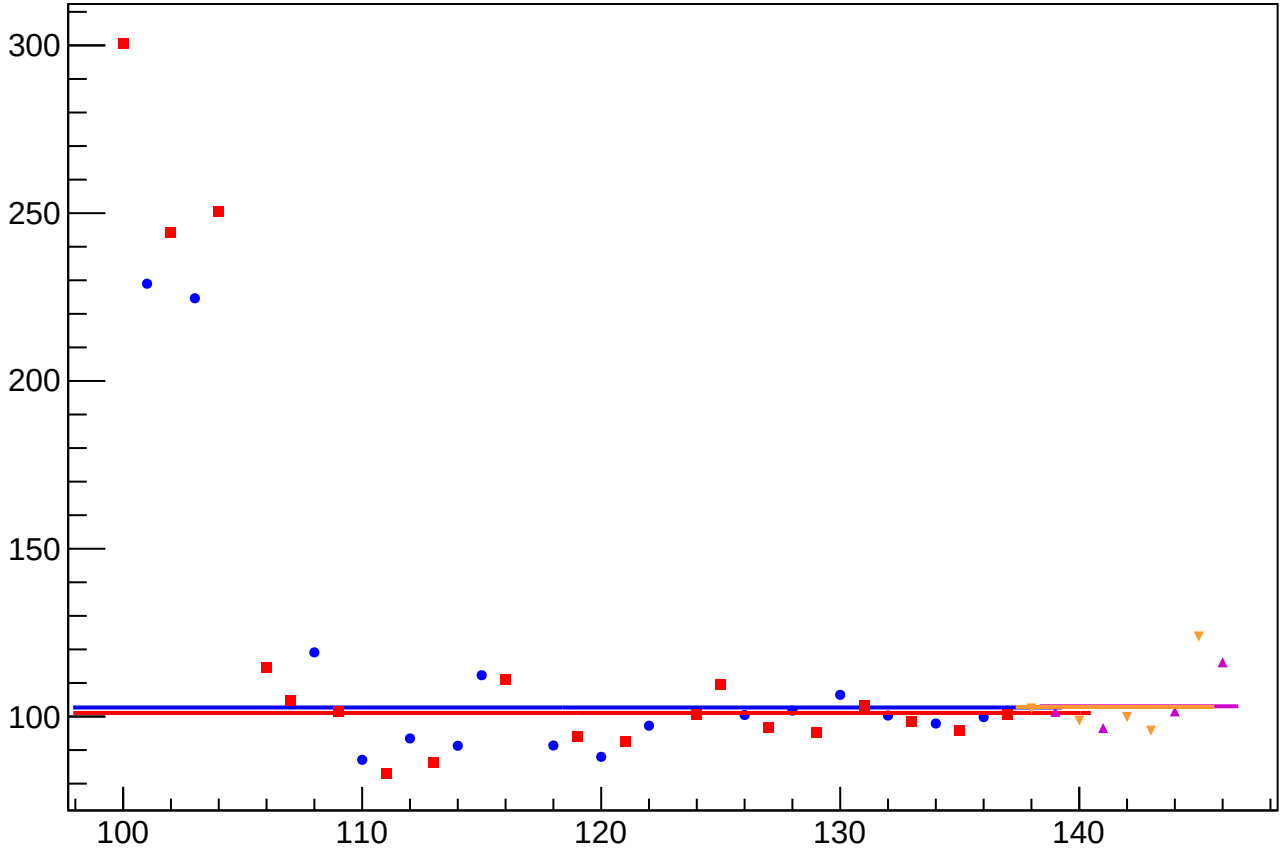
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -2557.050+/-32.939 χ^2/NDF:25427.6/19

Out: -2340.063+/-32.014 χ^2/NDF:18728.0/23

All: -2445.467+/-22.957 χ^2/NDF: 44177.9/43

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 102.851+/-0.039 χ^2/NDF:56898.8/4

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 103.051+/-0.040 χ^2/NDF:30881.9/3

Left: 102.950+/-0.028 χ^2/NDF: 87793.6/8

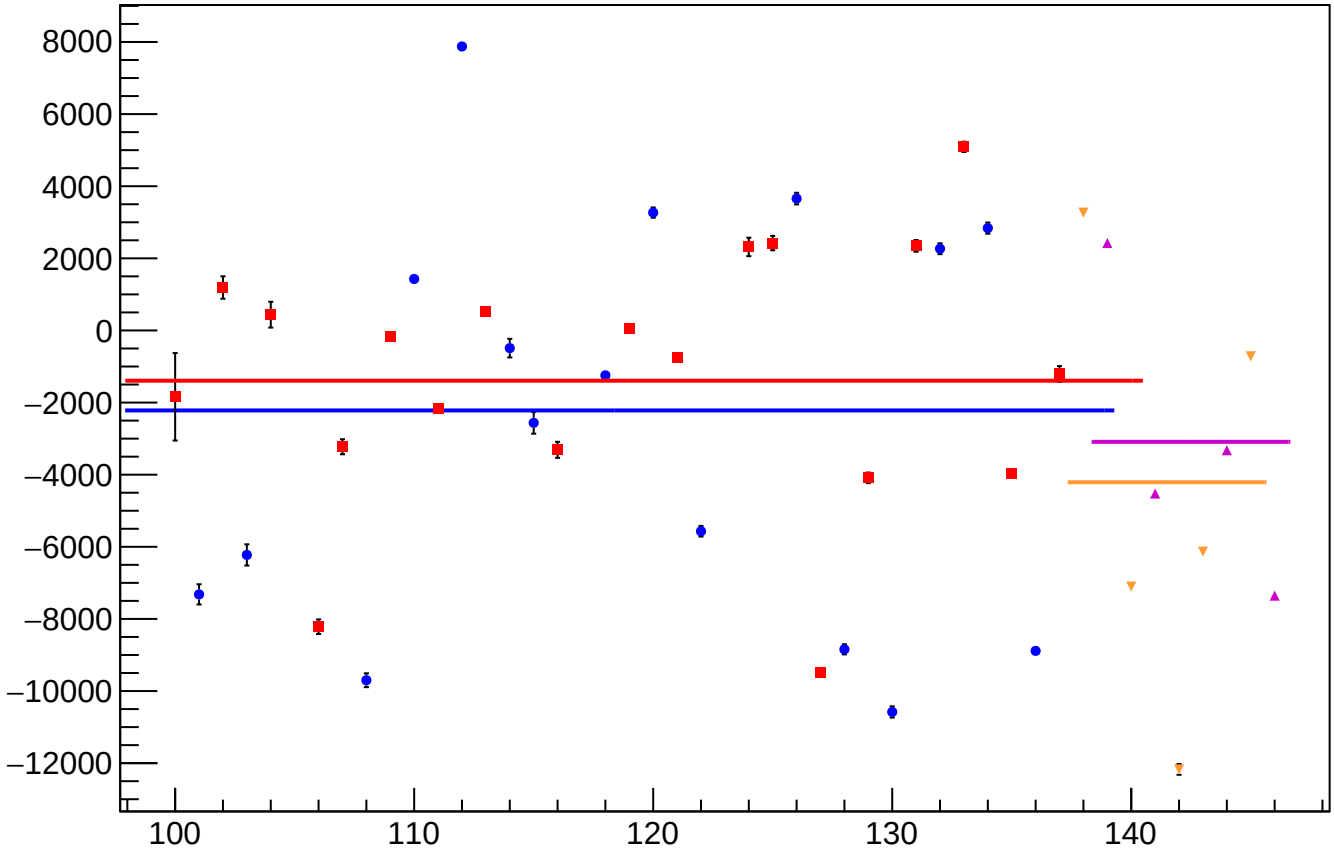
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 102.818+/-0.023 χ^2/NDF:856736.8/19

Out: 101.667+/-0.023 χ^2/NDF:988752.7/23

All: 102.226+/-0.016 χ^2/NDF: 1846743.4/43

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4208.979+/-53.507 χ^2/NDF:8925.2/4

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -3088.729+/-54.251 χ^2/NDF:3967.5/3

Left: -3656.592+/-38.095 χ^2/NDF: 13108.8/8

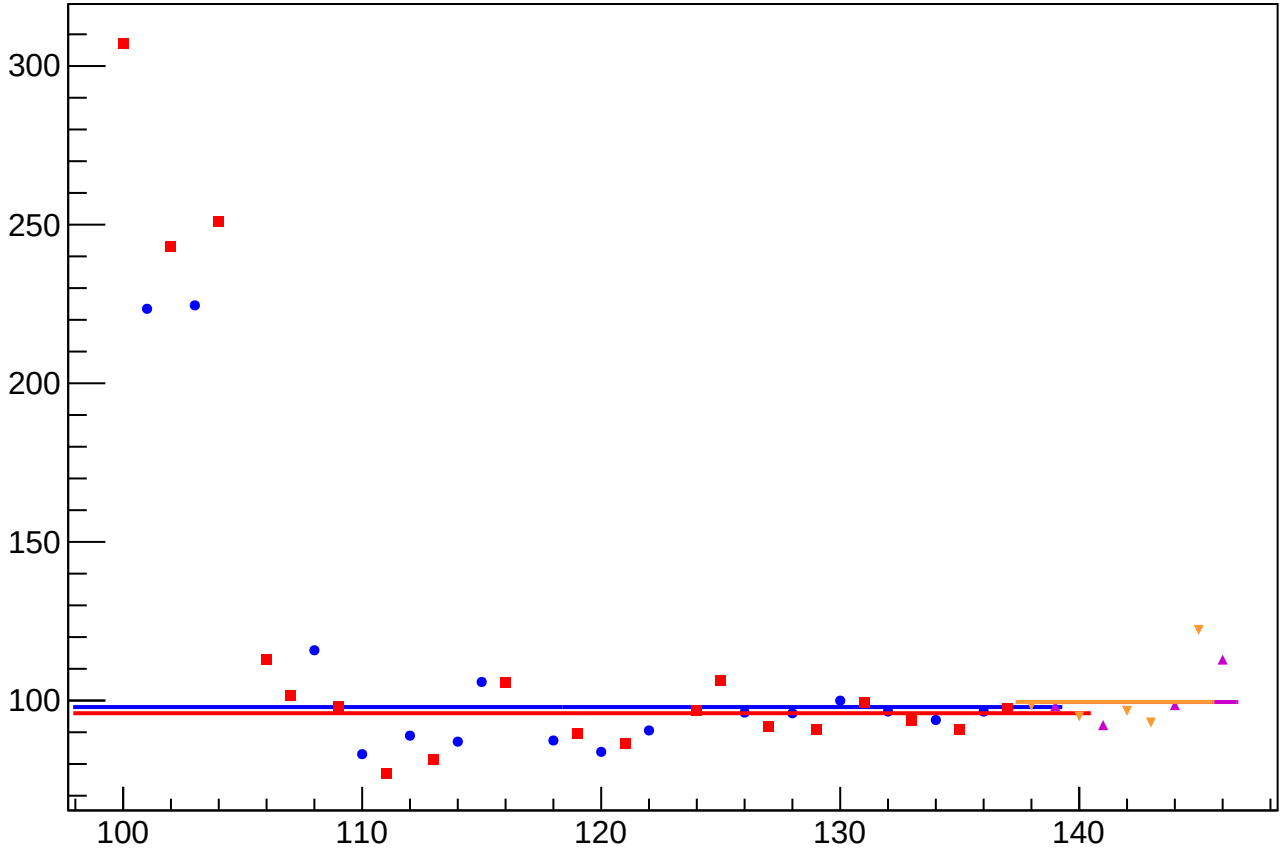
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -2515.087+/-31.687 χ^2/NDF:27177.9/19

Out: -2323.577+/-30.753 χ^2/NDF:19931.4/23

All: -2416.466+/-22.068 χ^2/NDF: 47128.1/43

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 99.575+/-0.038 χ^2/NDF:65849.9/4

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 99.533+/-0.038 χ^2/NDF:35499.1/3

Left: 99.554+/-0.027 χ^2/NDF: 101349.6/8

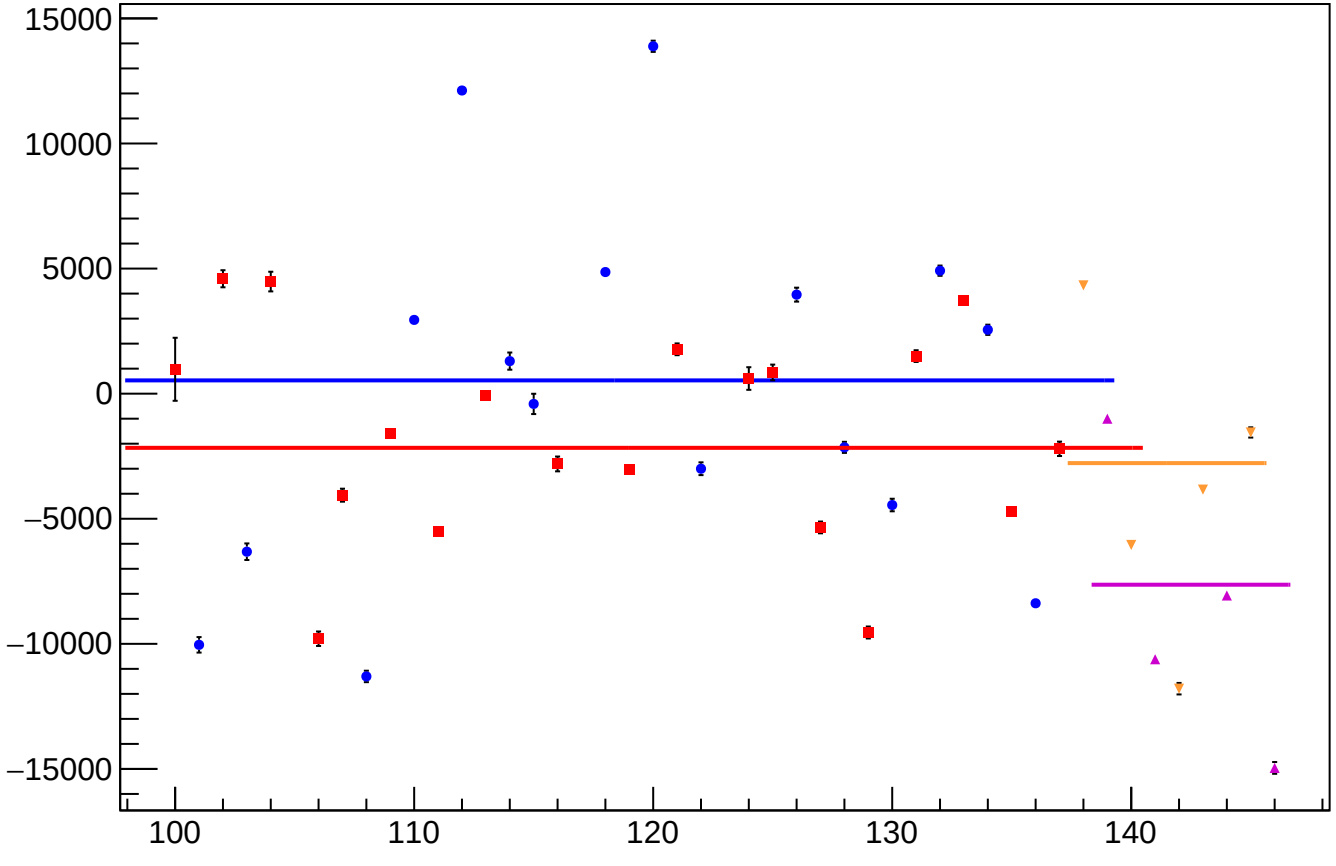
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 98.486+/-0.022 χ^2/NDF:904778.3/19

Out: 97.184+/-0.022 χ^2/NDF:1084100.5/23

All: 97.816+/-0.016 χ^2/NDF: 1990616.8/43

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2775.756+/-80.497 χ^2/NDF:4057.3/4

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -7636.651+/-86.631 χ^2/NDF:3082.4/3

Left: -5028.034+/-58.969 χ^2/NDF: 8829.3/8

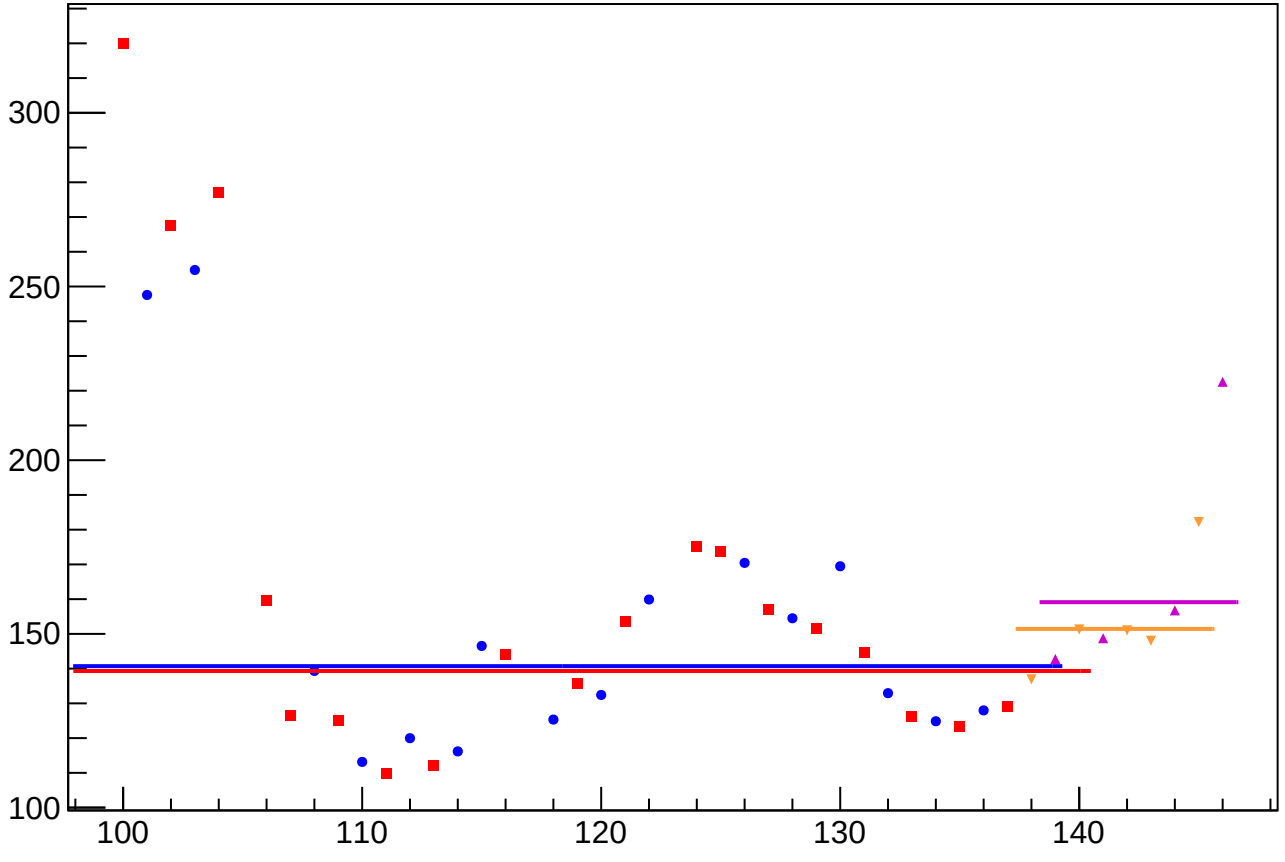
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -1806.847+/-46.345 χ^2/NDF:28014.3/19

Out: -2351.920+/-44.532 χ^2/NDF:9064.4/23

All: -2090.251+/-32.111 χ^2/NDF: 37150.6/43

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 151.437+/-0.057 χ^2/NDF:63233.4/4

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 159.131+/-0.061 χ^2/NDF:175568.0/3

Left: 155.002+/-0.042 χ^2/NDF: 247269.2/8

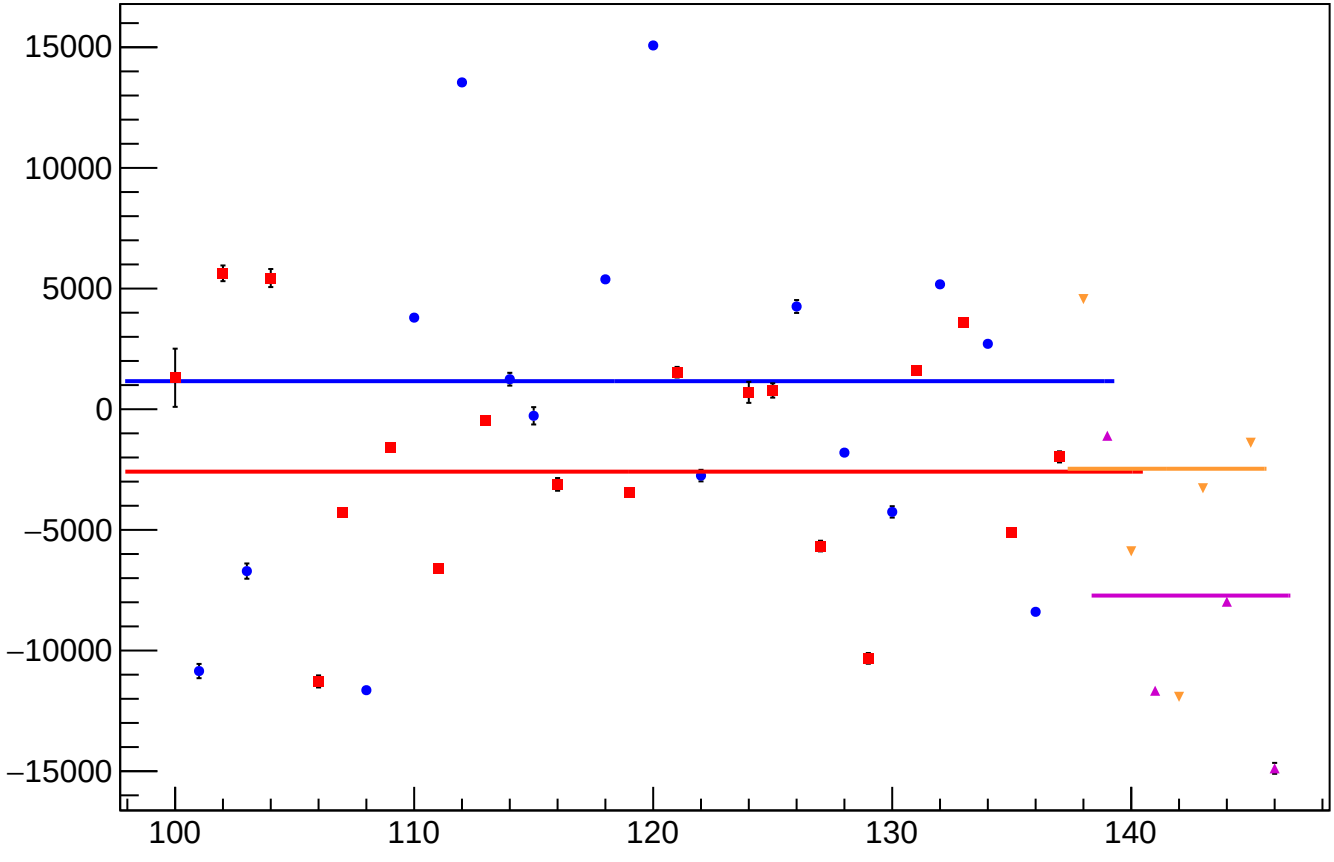
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 145.986+/-0.033 χ^2/NDF:915702.0/19

Out: 143.026+/-0.031 χ^2/NDF:897011.7/23

All: 144.447+/-0.023 χ^2/NDF: 1816954.2/43

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2466.512+/-71.416 χ^2/NDF:5467.6/4

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -7722.068+/-76.898 χ^2/NDF:4182.9/3

Left: -4900.321+/-52.329 χ^2/NDF: 12158.4/8

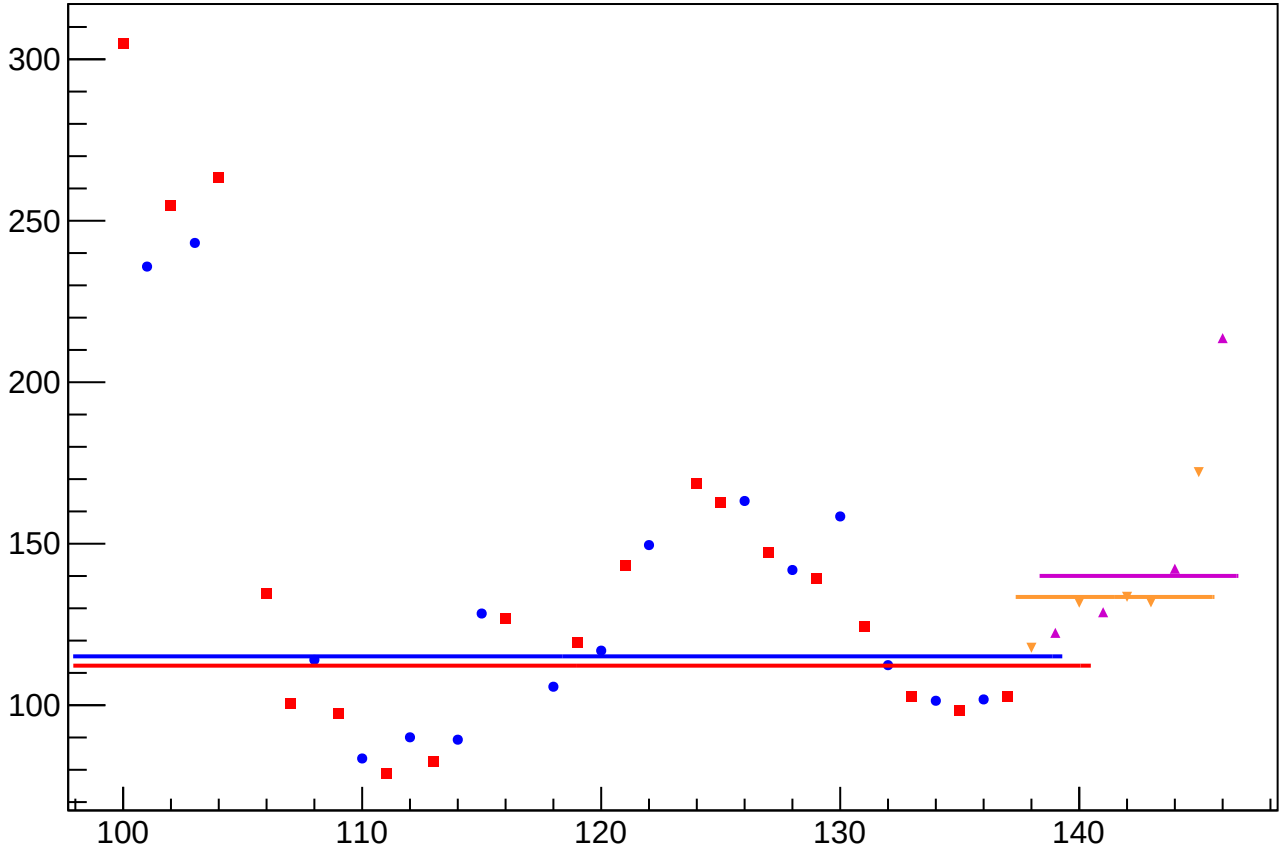
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -1173.322+/-39.432 χ^2/NDF:44777.2/19

Out: -2553.391+/-37.619 χ^2/NDF:13569.4/23

All: -1895.813+/-27.219 χ^2/NDF: 58987.8/43

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 133.517+/-0.050 χ^2/NDF:107183.3/4

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 140.032+/-0.054 χ^2/NDF:259290.6/3

Left: 136.534+/-0.037 χ^2/NDF: 374180.4/8

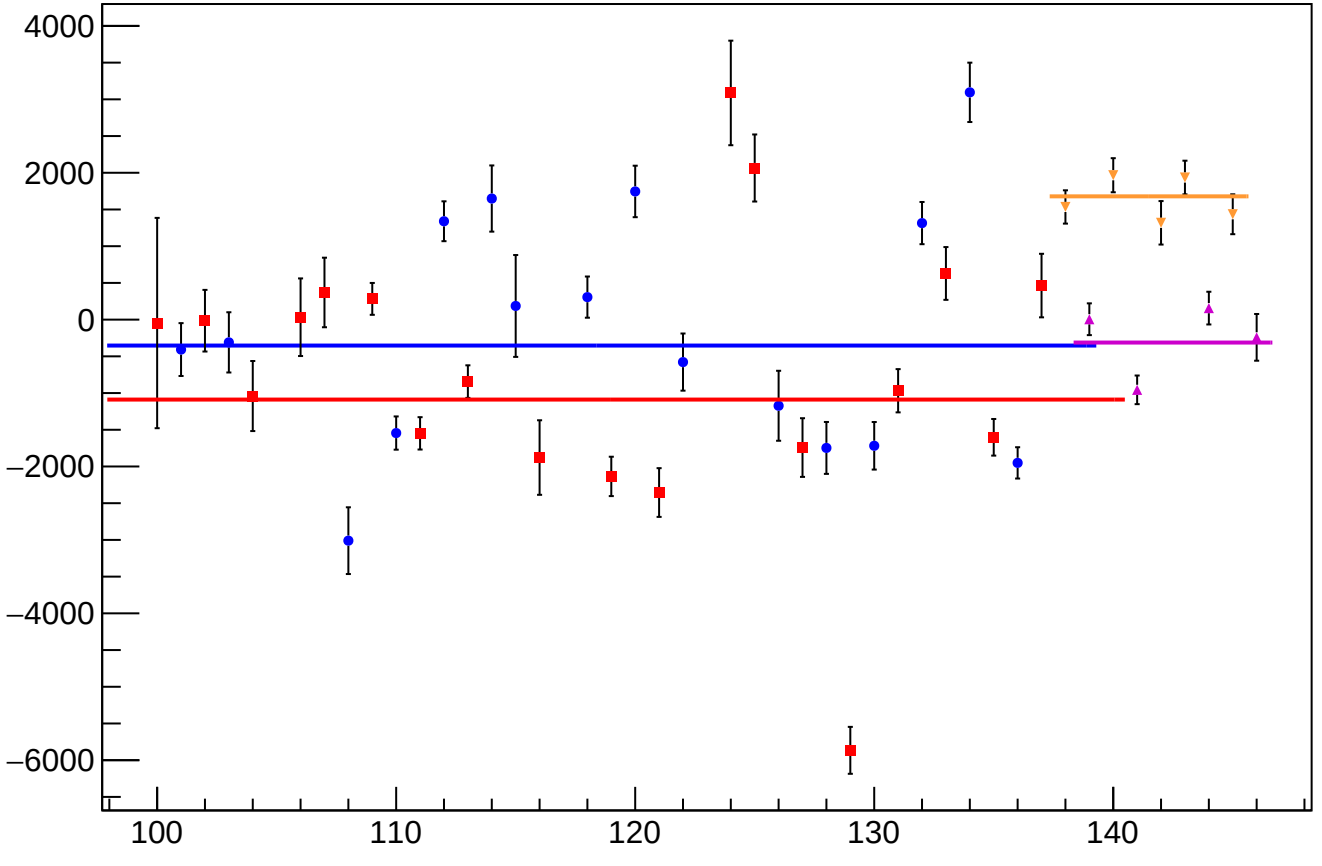
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 121.674+/-0.028 χ^2/NDF:1526916.9/19

Out: 118.145+/-0.027 χ^2/NDF:1563595.5/23

All: 119.827+/-0.019 χ^2/NDF: 3098902.6/43

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1678.837+/-110.433 χ^2/NDF:5.5/4

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: -312.234+/-113.459 χ^2/NDF:17.5/3

Left: 710.211+/-79.136 χ^2/NDF: 181.2/8

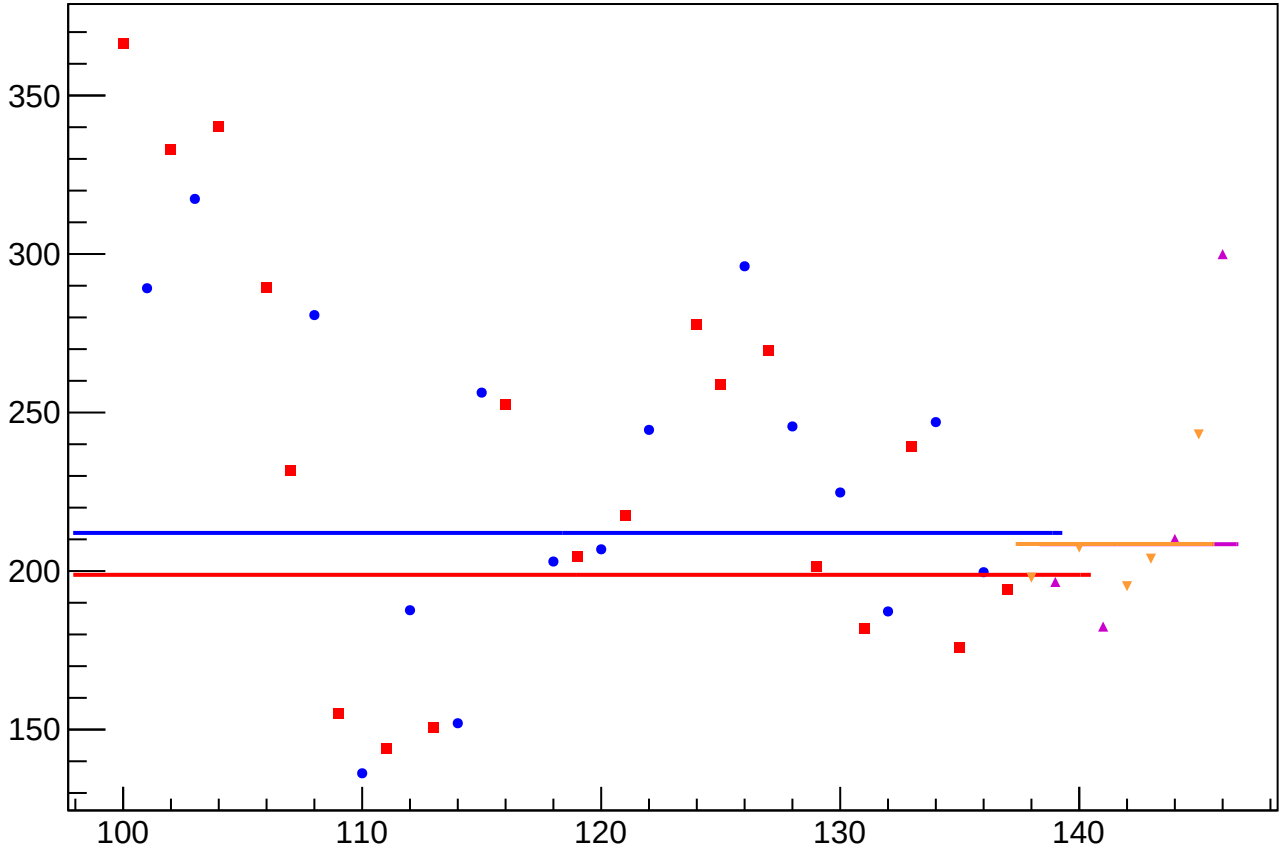
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -339.067+/-66.532 χ^2/NDF:379.4/19

Out: -192.206+/-62.854 χ^2/NDF:877.2/23

All: -261.465+/-45.689 χ^2/NDF: 1259.3/43

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 208.543+/-0.078 χ^2/NDF:41653.8/4

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 208.472+/-0.080 χ^2/NDF:207093.1/3

Left: 208.509+/-0.056 χ^2/NDF: 248747.3/8

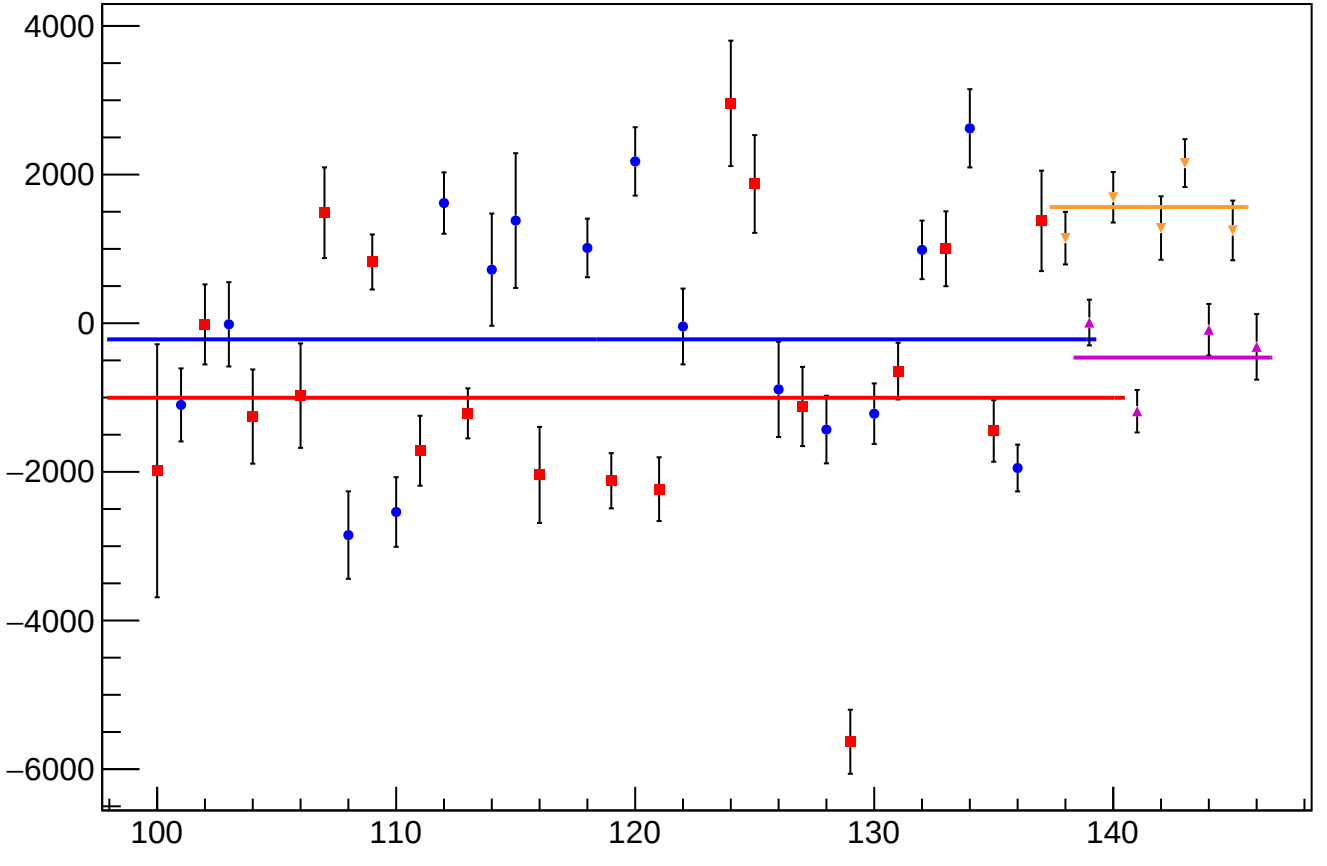
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 210.805+/-0.047 χ^2/NDF:898739.9/19

Out: 201.963+/-0.044 χ^2/NDF:1027087.3/23

All: 206.133+/-0.032 χ^2/NDF: 1944493.3/43

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1562.760+/-162.320 χ^2/NDF:6.0/4

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -462.210+/-166.076 χ^2/NDF:10.0/3

Left: 573.431+/-116.083 χ^2/NDF: 92.0/8

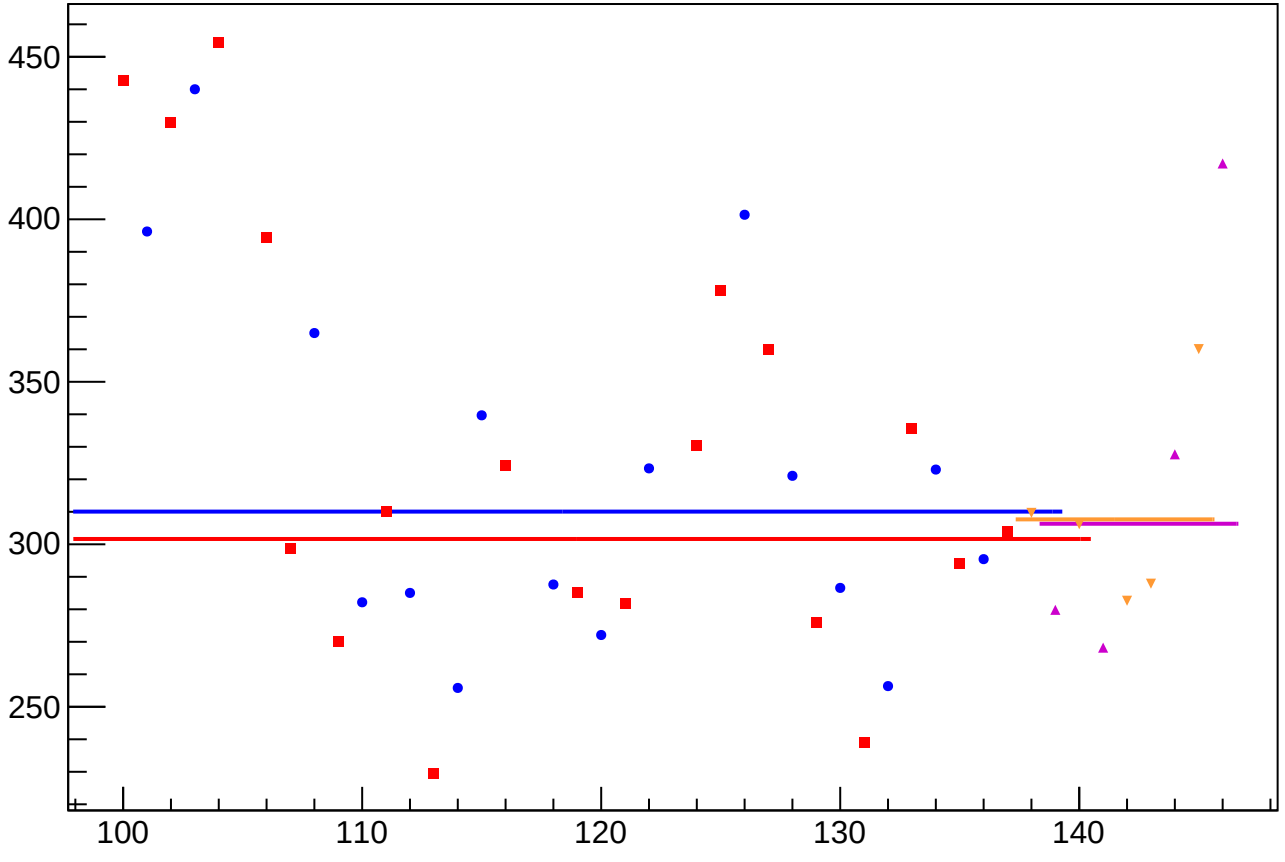
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -299.123+/-96.131 χ^2/NDF:203.6/19

Out: -164.384+/-92.802 χ^2/NDF:428.5/23

All: -229.380+/-66.767 χ^2/NDF: 633.1/43

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 307.669+/-0.115 χ^2/NDF:48516.3/4

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 306.324+/-0.117 χ^2/NDF:184220.3/3

Left: 307.012+/-0.082 χ^2/NDF: 232803.6/8

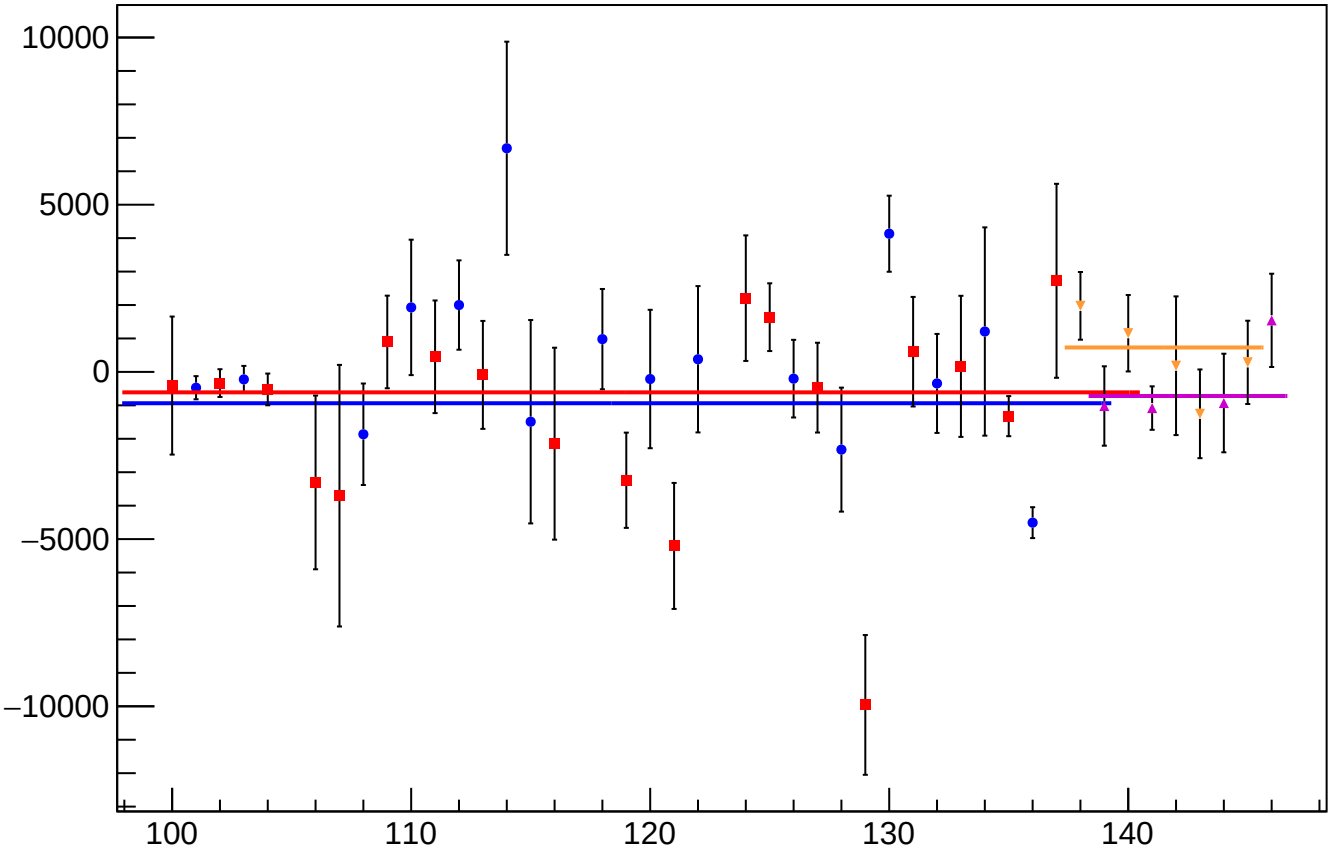
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 308.810+/-0.068 χ^2/NDF:508177.3/19

Out: 303.609+/-0.066 χ^2/NDF:570264.3/23

All: 306.118+/-0.047 χ^2/NDF: 1081472.0/43

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 730.355+/-560.054 χ^2/NDF:4.1/4

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -720.628+/-496.859 χ^2/NDF:3.0/3

Left: -81.584+/-371.675 χ^2/NDF: 10.9/8

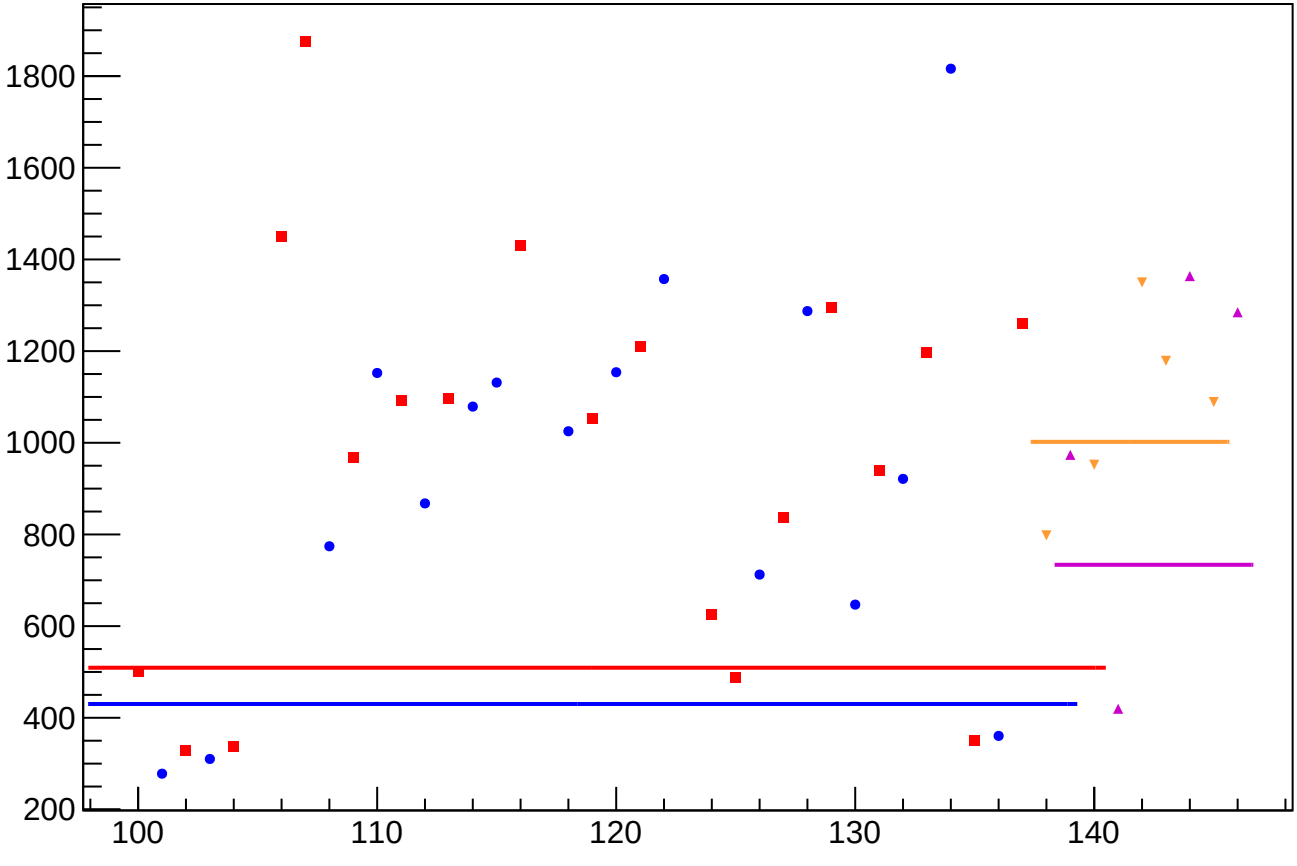
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -905.556+/-189.280 χ^2/NDF:104.4/19

Out: -413.451+/-215.239 χ^2/NDF:53.1/23

All: -690.953+/-142.138 χ^2/NDF: 160.4/43

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1002.060+/-0.396 χ^2/NDF:186588.6/4

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 733.812+/-0.351 χ^2/NDF:1225934.6/3

Left: 851.954+/-0.263 χ^2/NDF: 1669268.3/8

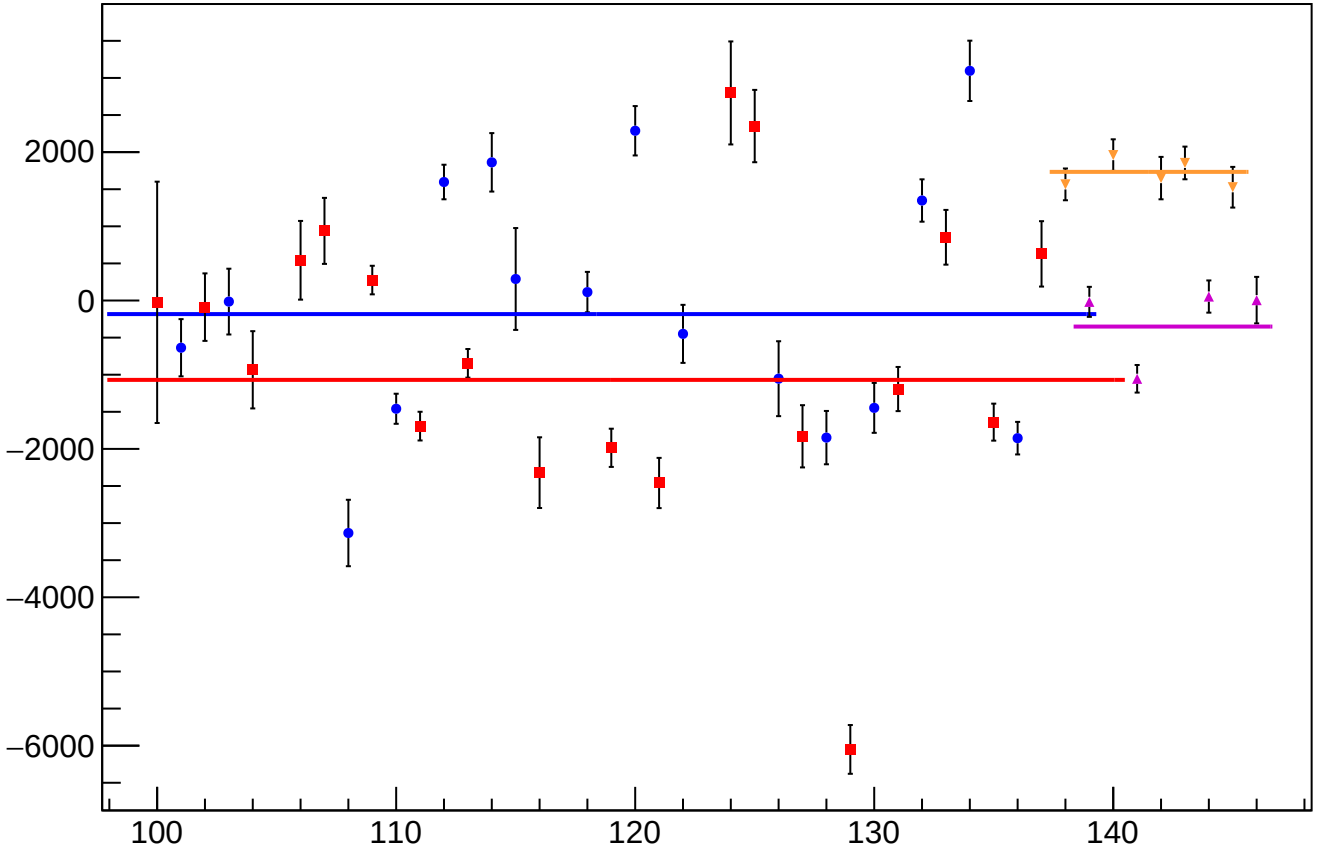
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 474.185+/-0.134 χ^2/NDF:5386591.2/19

Out: 582.026+/-0.152 χ^2/NDF:5179928.5/23

All: 521.214+/-0.101 χ^2/NDF: 10849636.8/43

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1733.957+/-105.391 χ^2/NDF:2.7/4

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: -351.120+/-108.612 χ^2/NDF:21.8/3

Left: 722.790+/-75.636 χ^2/NDF: 214.3/8

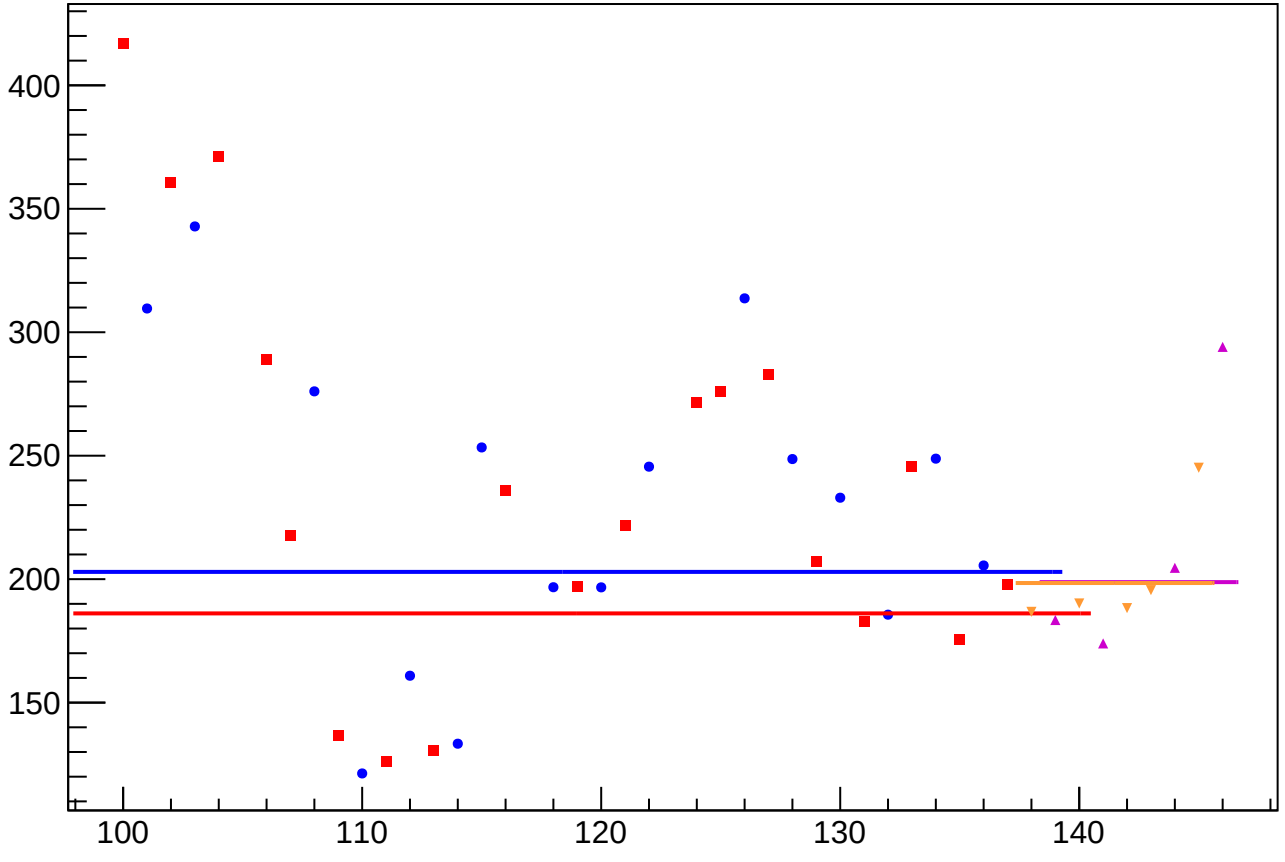
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -242.012+/-64.341 χ^2/NDF:441.1/19

Out: -159.698+/-60.044 χ^2/NDF:973.0/23

All: -198.014+/-43.898 χ^2/NDF: 1414.9/43

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 198.434+/-0.075 χ^2/NDF:69826.1/4

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 198.800+/-0.077 χ^2/NDF:233422.8/3

Left: 198.611+/-0.053 χ^2/NDF: 303260.6/8

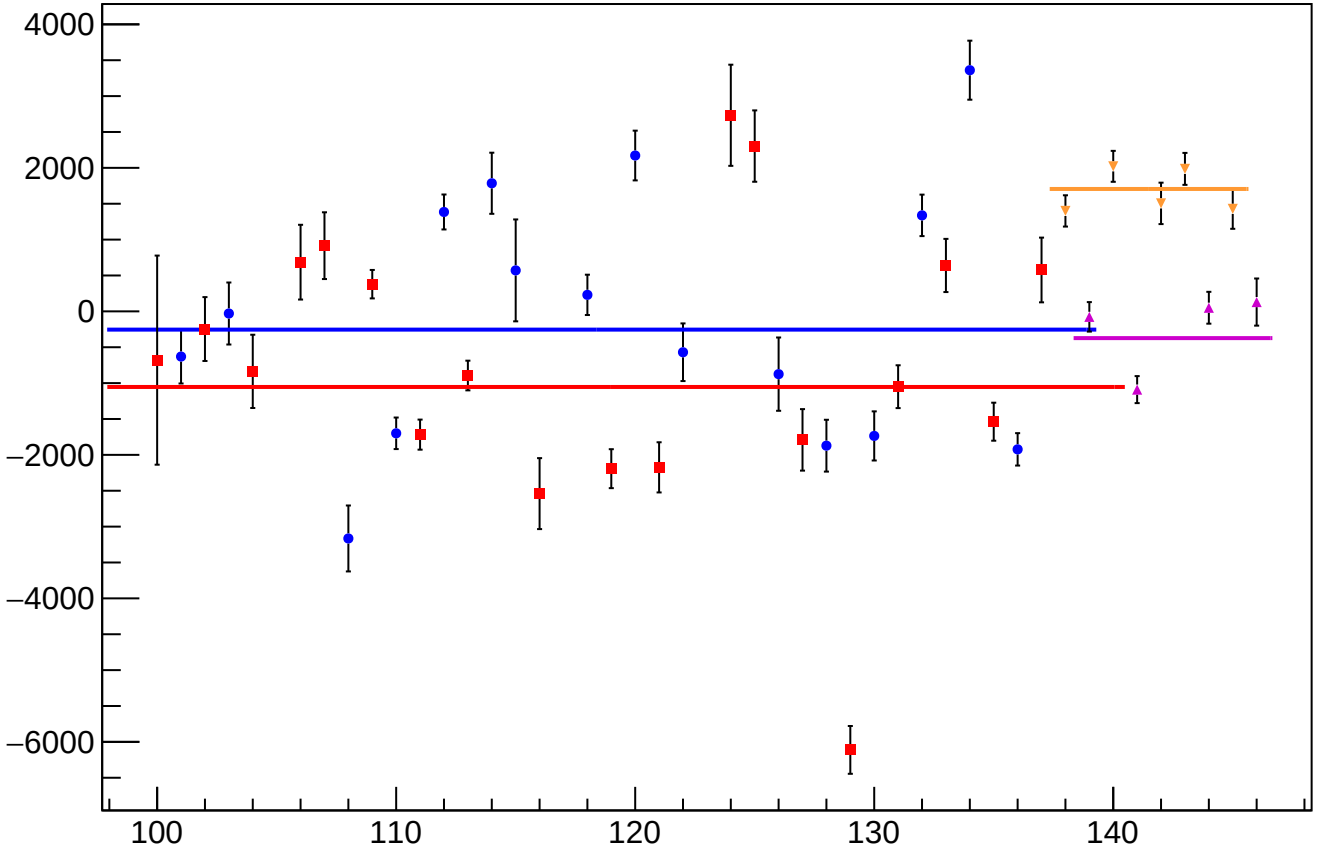
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 201.488+/-0.045 χ^2/NDF:1307169.7/19

Out: 190.123+/-0.042 χ^2/NDF:1569906.2/23

All: 195.413+/-0.031 χ^2/NDF: 2910427.8/43

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1705.773+/-106.810 χ^2/NDF:7.2/4

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: -372.902+/-110.791 χ^2/NDF:22.6/3

Left: 704.449+/-76.895 χ^2/NDF: 212.2/8

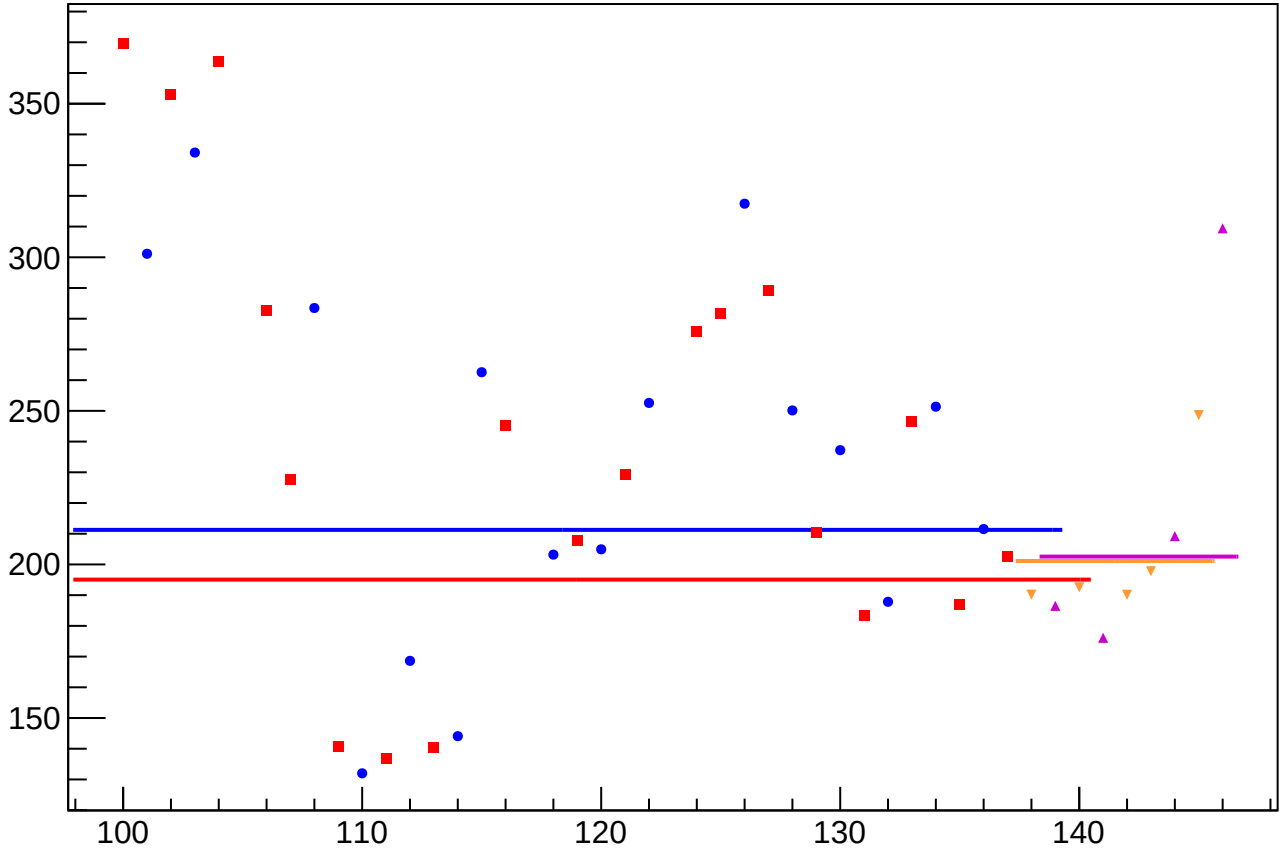
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -296.708+/-66.164 χ^2/NDF:432.6/19

Out: -126.704+/-61.907 χ^2/NDF:928.1/23

All: -206.062+/-45.205 χ^2/NDF: 1364.2/43

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 201.117+/-0.076 χ^2/NDF:69905.8/4

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 202.554+/-0.078 χ^2/NDF:265108.4/3

Left: 201.809+/-0.054 χ^2/NDF: 335188.6/8

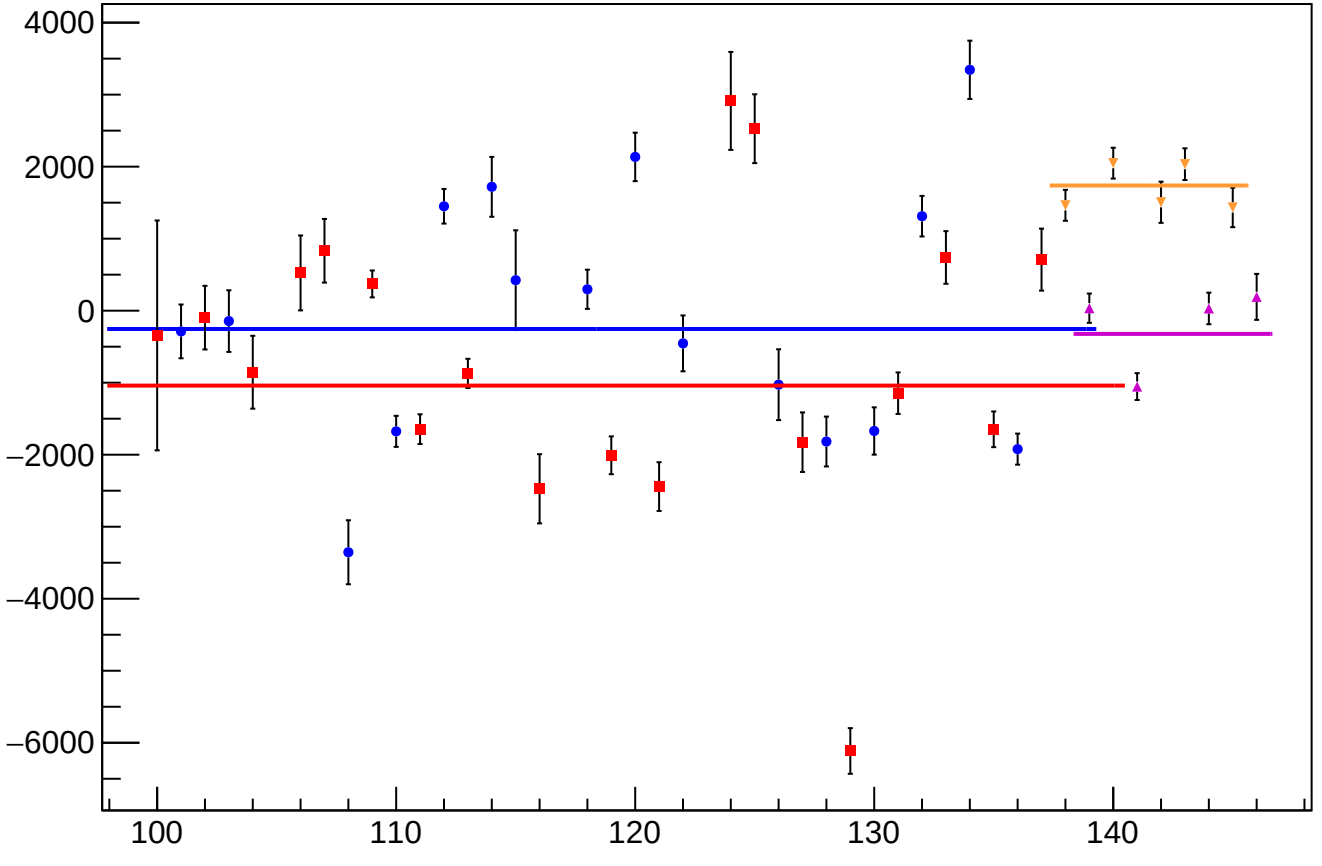
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 208.151+/-0.047 χ^2/NDF:1157405.0/19

Out: 197.096+/-0.044 χ^2/NDF:1359055.4/23

All: 202.256+/-0.032 χ^2/NDF: 2546233.2/43

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1738.282+/-105.664 χ^2/NDF:7.4/4

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: -322.328+/-109.349 χ^2/NDF:23.7/3

Left: 743.285+/-75.985 χ^2/NDF: 214.8/8

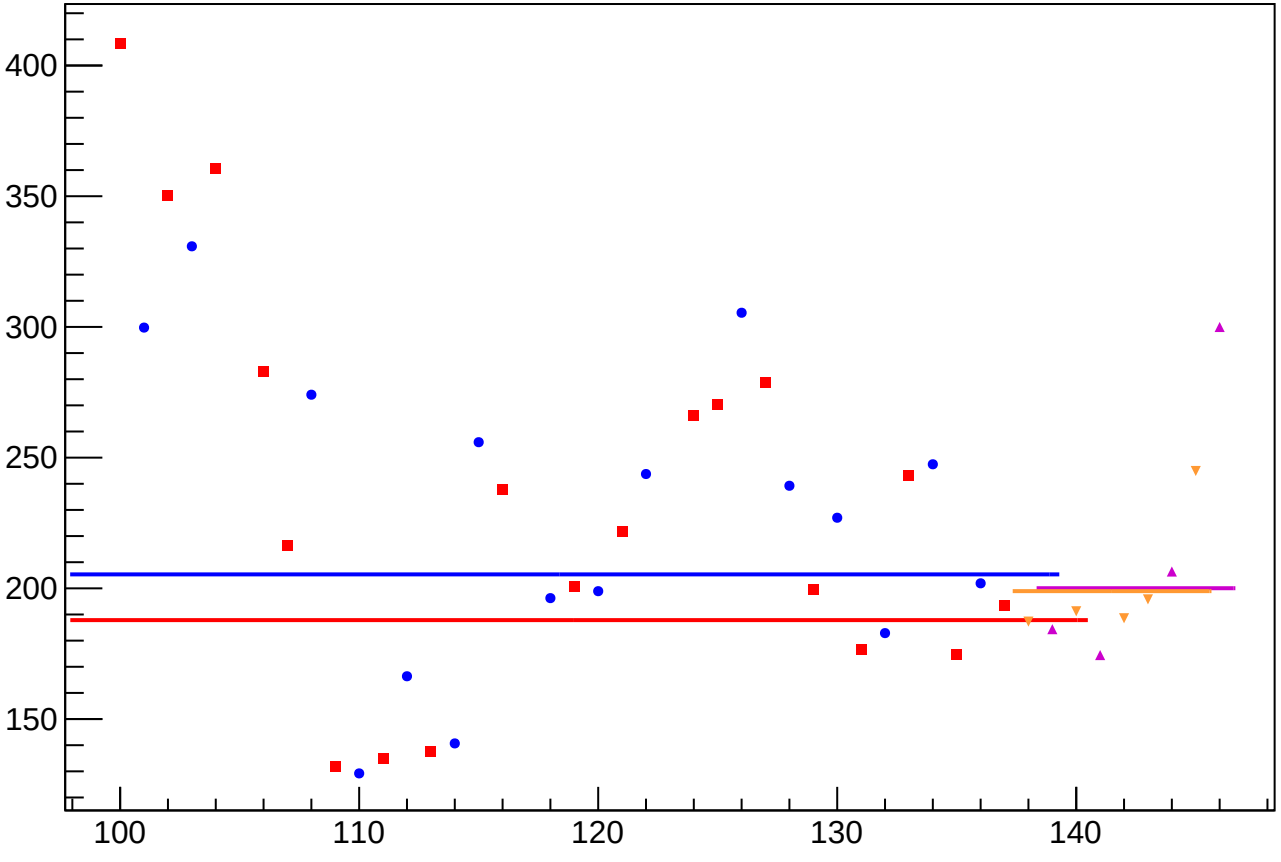
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -277.937+/-64.682 χ^2/NDF:456.0/19

Out: -136.571+/-60.262 χ^2/NDF:1007.4/23

All: -202.259+/-44.092 χ^2/NDF: 1466.0/43

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 198.936+/-0.075 χ^2/NDF:67768.6/4

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 200.050+/-0.077 χ^2/NDF:247289.9/3

Left: 199.474+/-0.054 χ^2/NDF: 315165.7/8

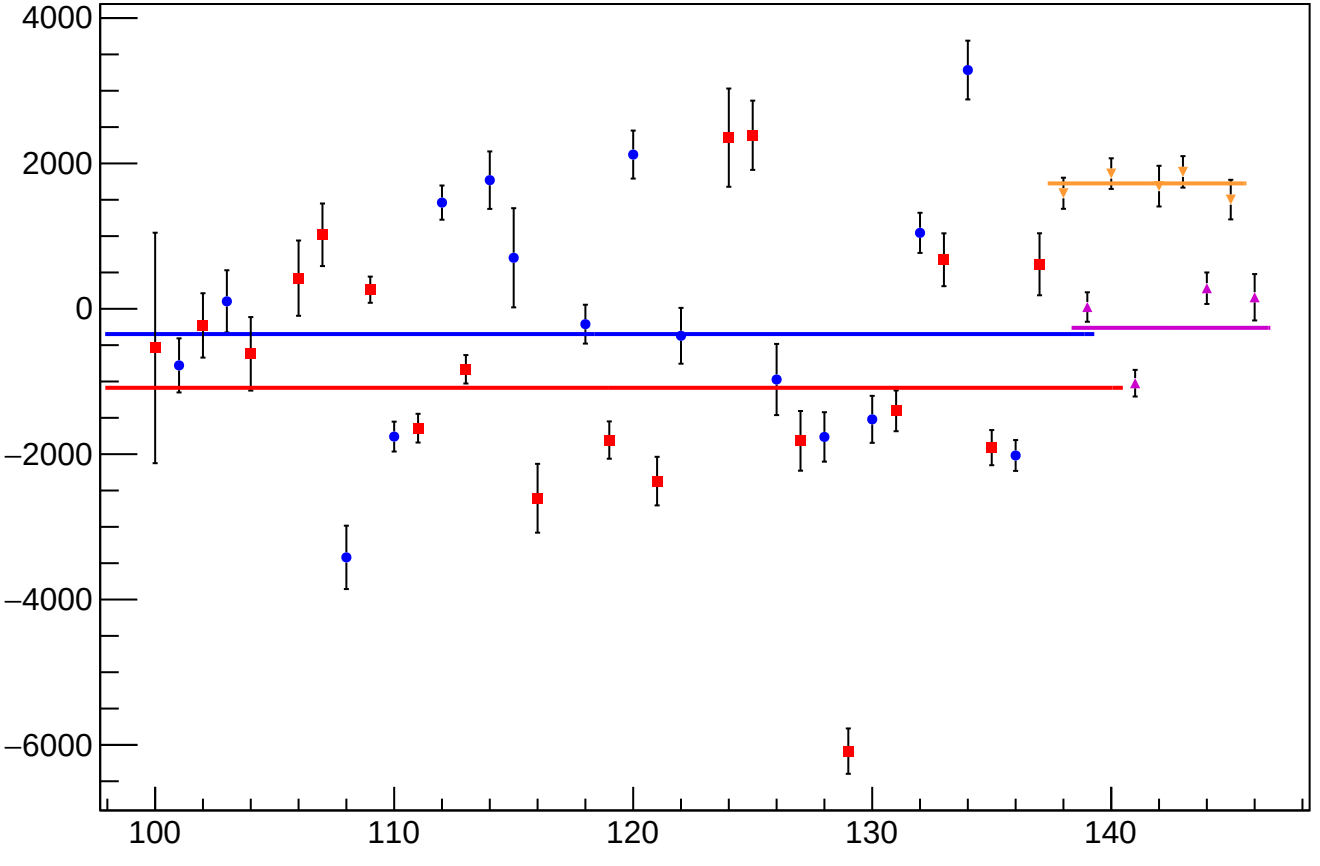
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 203.490+/-0.046 χ^2/NDF:1127733.2/19

Out: 191.455+/-0.043 χ^2/NDF:1419677.2/23

All: 197.047+/-0.031 χ^2/NDF: 2584476.4/43

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1725.064+/-104.319 χ^2/NDF:2.0/4

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: -261.624+/-108.319 χ^2/NDF:27.3/3

Left: 769.080+/-75.139 χ^2/NDF: 203.9/8

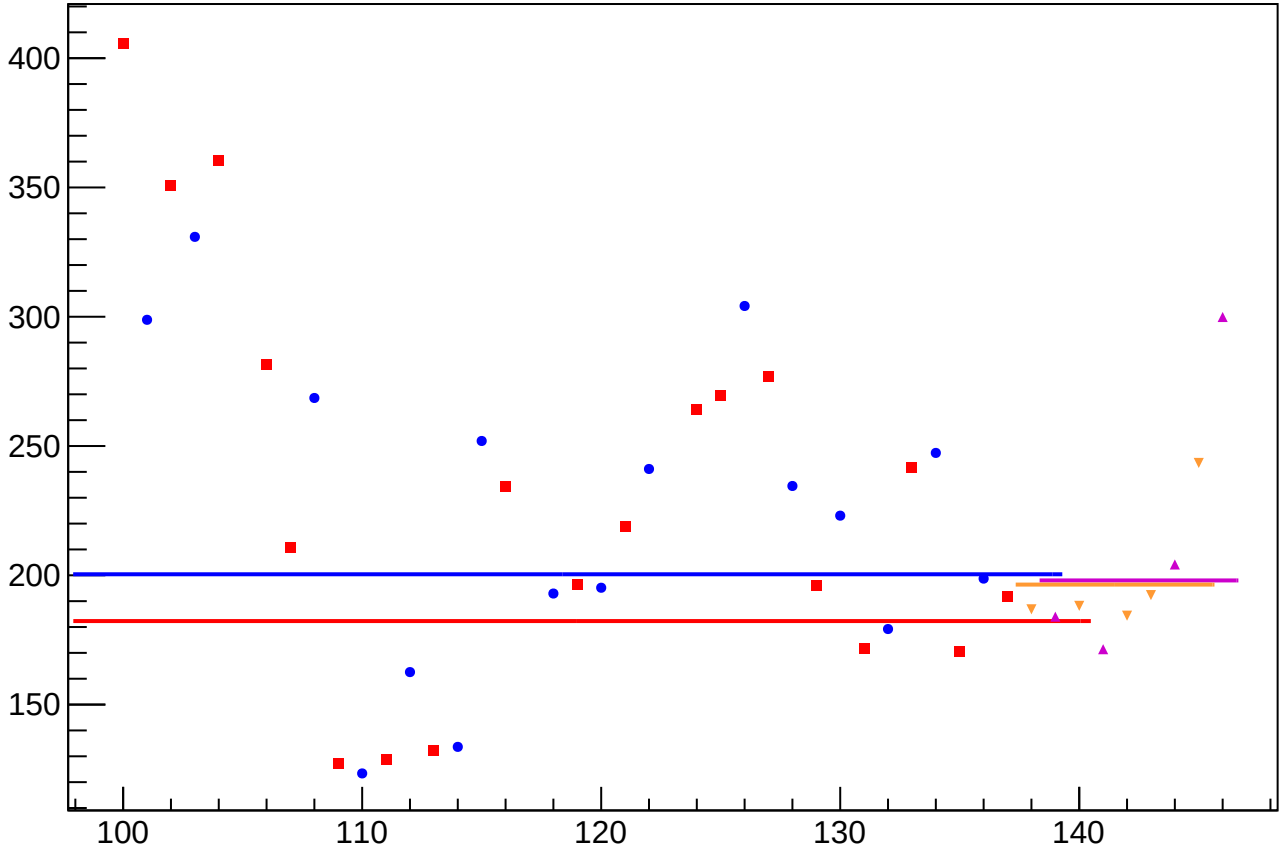
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -318.004+/-63.599 χ^2/NDF:473.5/19

Out: -187.288+/-58.999 χ^2/NDF:1023.3/23

All: -247.748+/-43.253 χ^2/NDF: 1499.1/43

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 196.410+/-0.074 χ^2/NDF:71100.0/4

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 198.015+/-0.077 χ^2/NDF:257364.3/3

Left: 197.183+/-0.053 χ^2/NDF: 328692.2/8

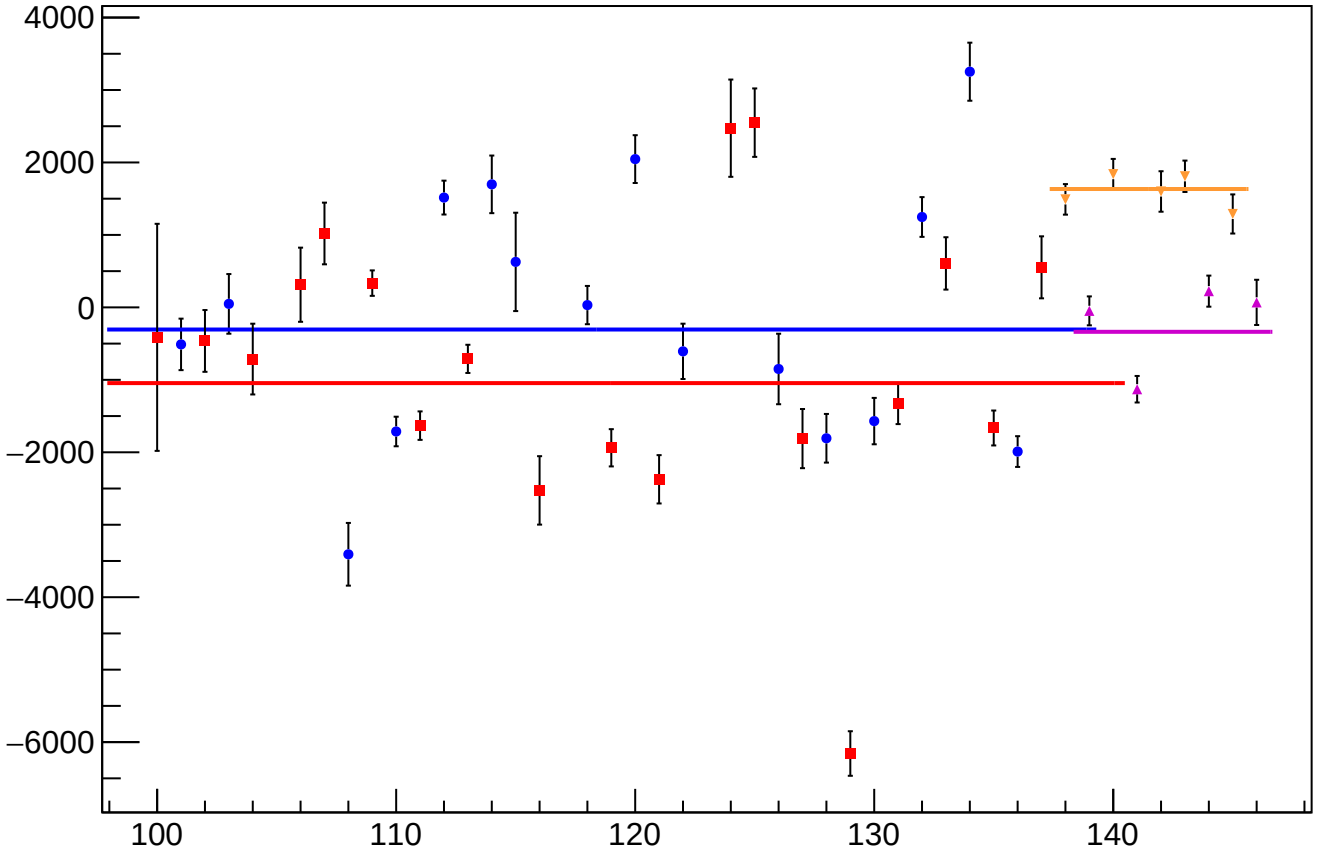
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 199.577+/-0.045 χ^2/NDF:1216999.5/19

Out: 186.814+/-0.042 χ^2/NDF:1543178.2/23

All: 192.718+/-0.031 χ^2/NDF: 2803467.0/43

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1633.650+/-103.723 χ^2/NDF:3.7/4

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: -337.320+/-107.252 χ^2/NDF:29.4/3

Left: 681.132+/-74.560 χ^2/NDF: 207.6/8

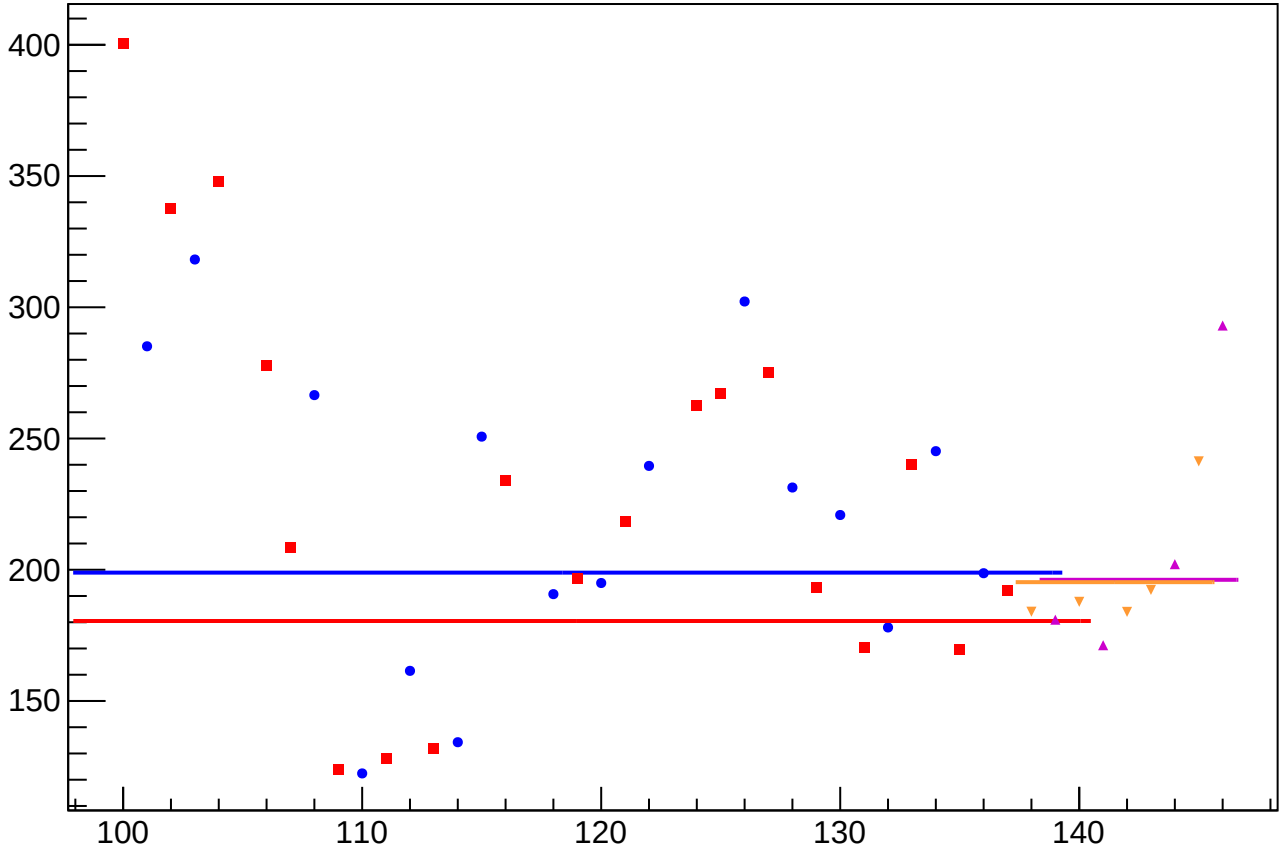
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -316.581+/-63.012 χ^2/NDF:481.2/19

Out: -193.332+/-58.489 χ^2/NDF:1010.8/23

All: -250.375+/-42.868 χ^2/NDF: 1494.1/43

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 195.272+/-0.073 χ^2/NDF:69998.0/4

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 196.170+/-0.076 χ^2/NDF:243003.7/3

Left: 195.706+/-0.053 χ^2/NDF: 313074.1/8

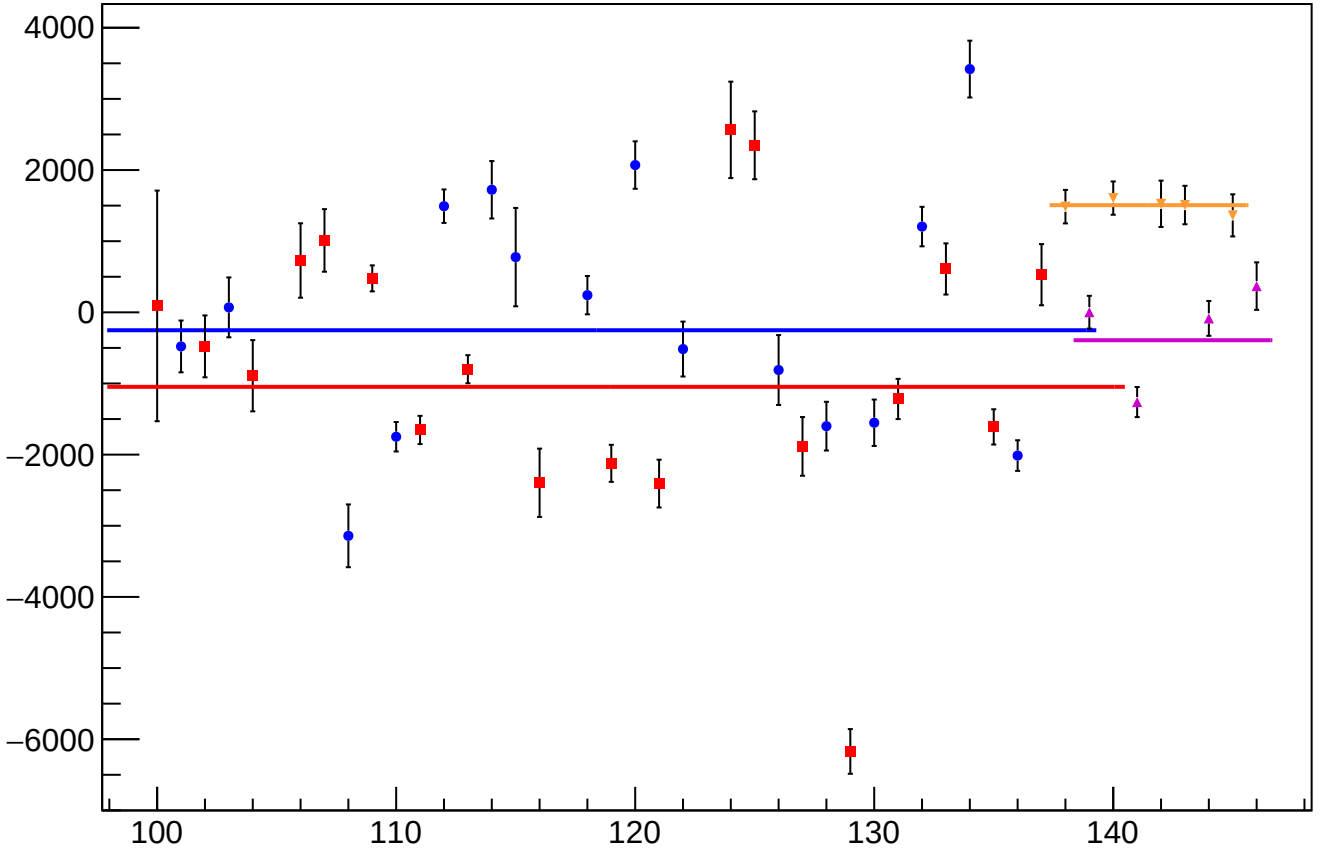
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 197.959+/-0.045 χ^2/NDF:1156619.0/19

Out: 185.179+/-0.041 χ^2/NDF:1532203.0/23

All: 191.094+/-0.030 χ^2/NDF: 2733019.8/43

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1506.243+/-118.834 χ^2/NDF:0.4/4

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: -392.099+/-122.262 χ^2/NDF:26.6/3

Left: 584.058+/-85.215 χ^2/NDF: 151.0/8

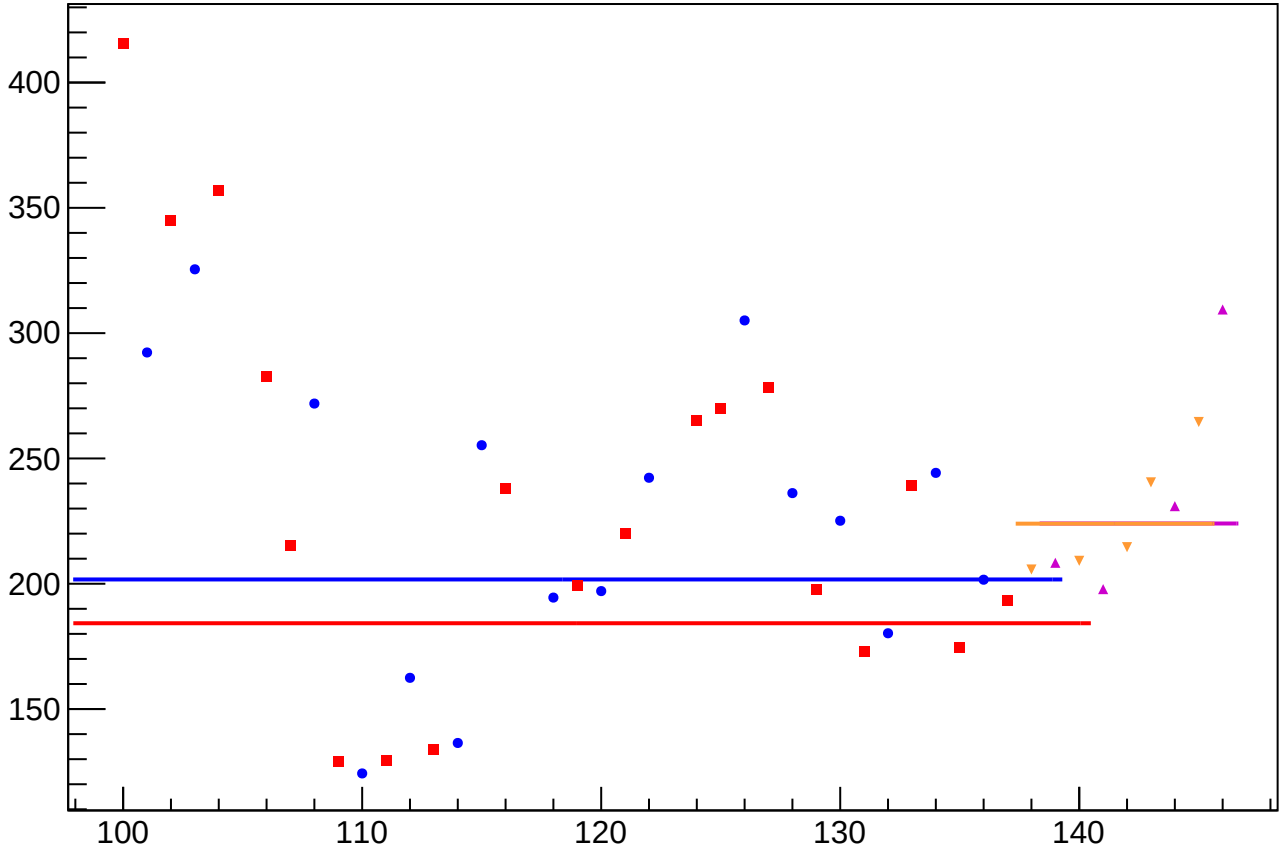
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -293.101+/-66.338 χ^2/NDF:468.7/19

Out: -358.845+/-61.698 χ^2/NDF:884.4/23

All: -328.352+/-45.178 χ^2/NDF: 1353.6/43

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 223.978+/-0.084 χ^2/NDF:66774.5/4

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 224.044+/-0.086 χ^2/NDF:172277.1/3

Left: 224.010+/-0.060 χ^2/NDF: 239051.8/8

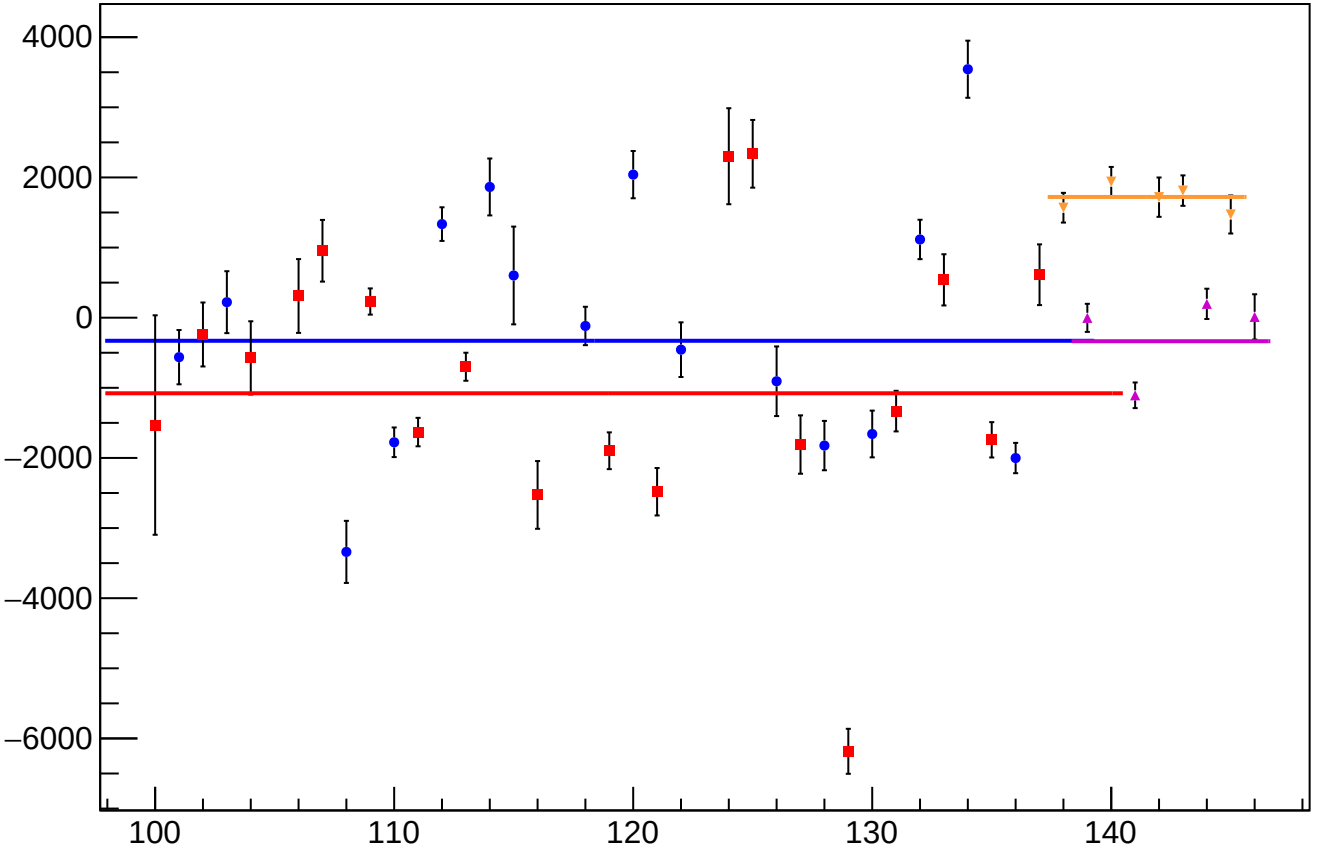
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 208.288+/-0.047 χ^2/NDF:1143564.4/19

Out: 194.954+/-0.044 χ^2/NDF:1633861.7/23

All: 201.139+/-0.032 χ^2/NDF: 2820747.2/43

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1721.815+/-104.029 χ^2/NDF:2.6/4

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: -335.546+/-107.904 χ^2/NDF:27.8/3

Left: 730.736+/-74.892 χ^2/NDF: 218.8/8

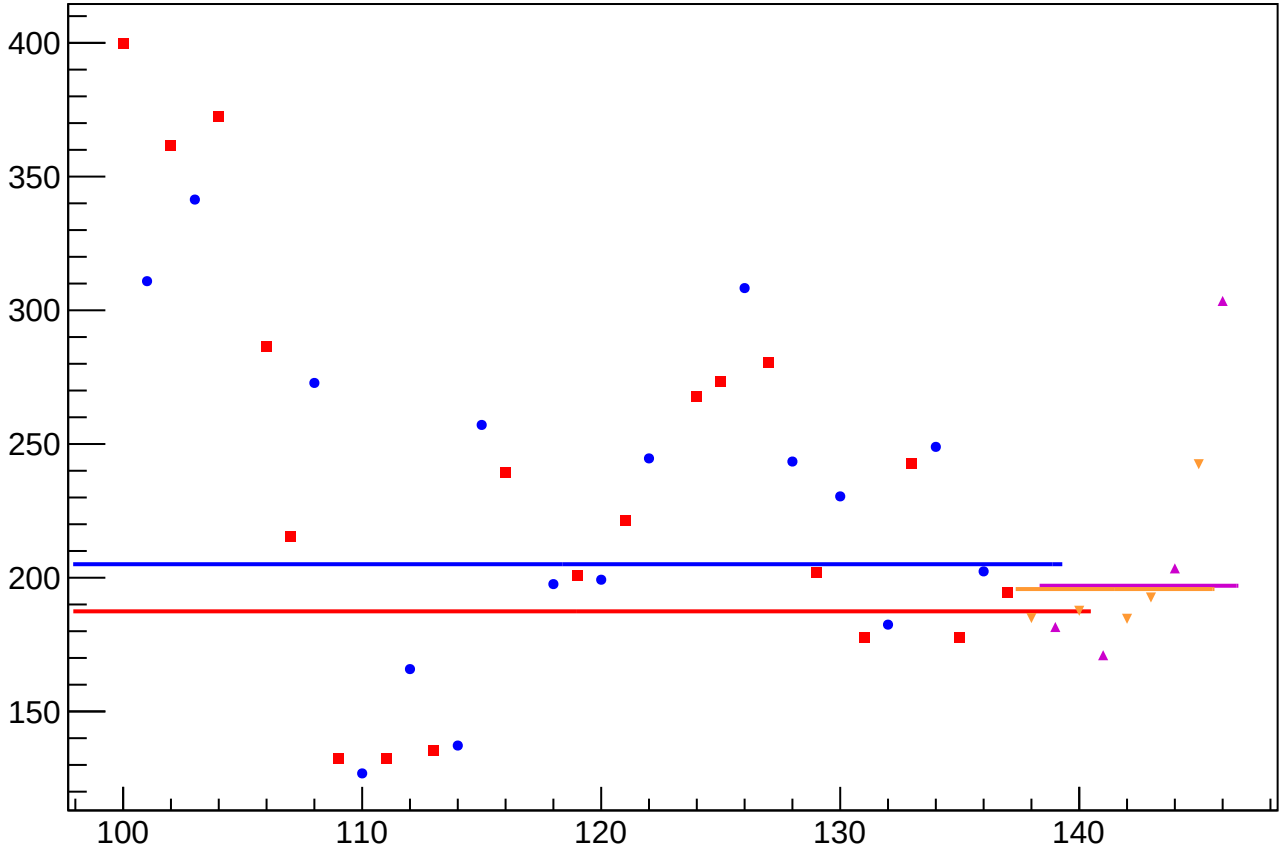
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -331.578+/-64.454 χ^2/NDF:464.2/19

Out: -147.274+/-59.977 χ^2/NDF:988.1/23

All: -232.802+/-43.908 χ^2/NDF: 1456.7/43

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 195.766+/-0.074 χ^2/NDF:70946.1/4

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 197.004+/-0.076 χ^2/NDF:271752.6/3

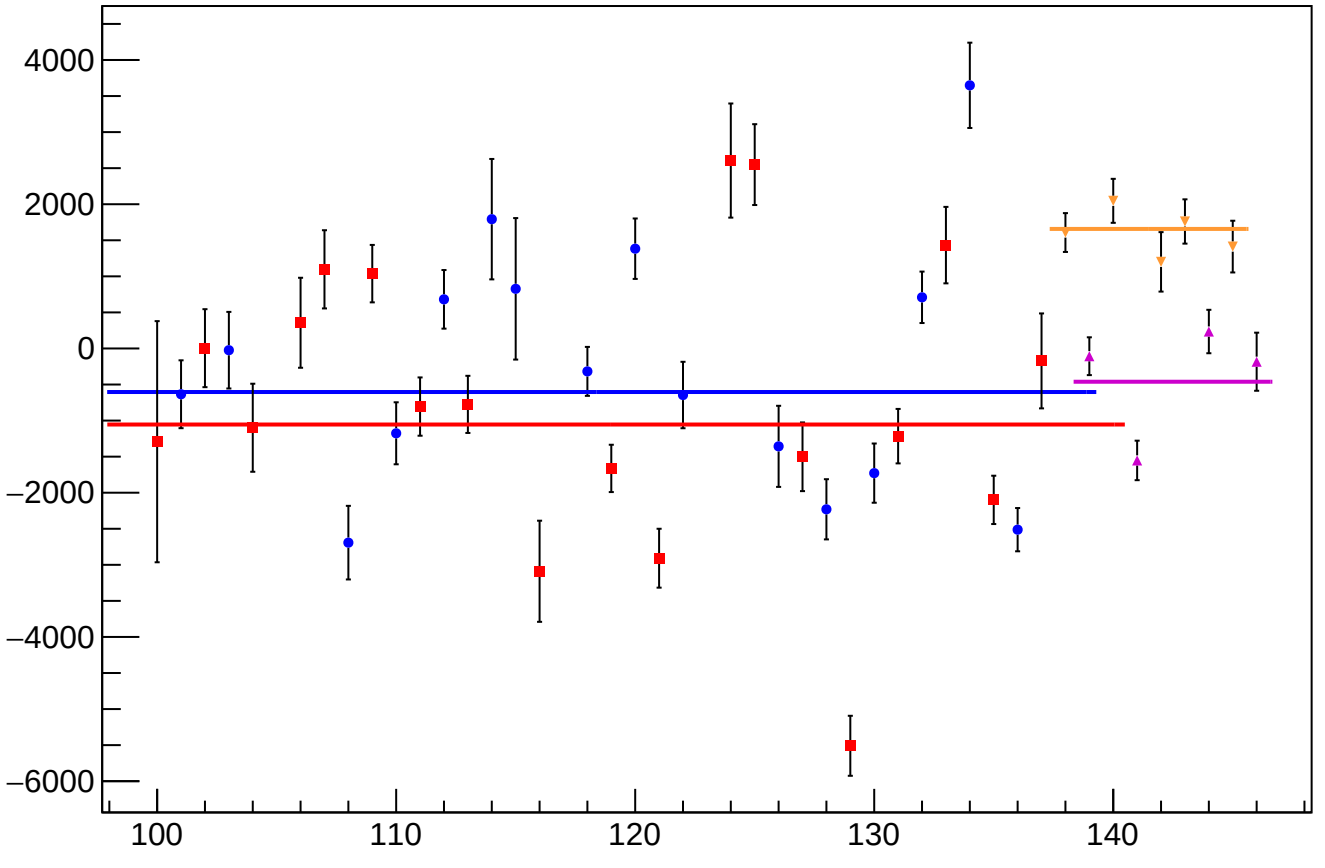
Left: 196.362+/-0.053 χ^2/NDF: 342834.9/8

Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 202.181+/-0.046 χ^2/NDF:1241963.2/19

Out: 190.202+/-0.042 χ^2/NDF:1490320.1/23

All: 195.761+/-0.031 χ^2/NDF: 2769307.5/43



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1657.554+/-143.122 χ^2/NDF:3.5/4

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: -461.280+/-148.939 χ^2/NDF:23.5/3

Left: 640.318+/-103.198 χ^2/NDF: 132.2/8

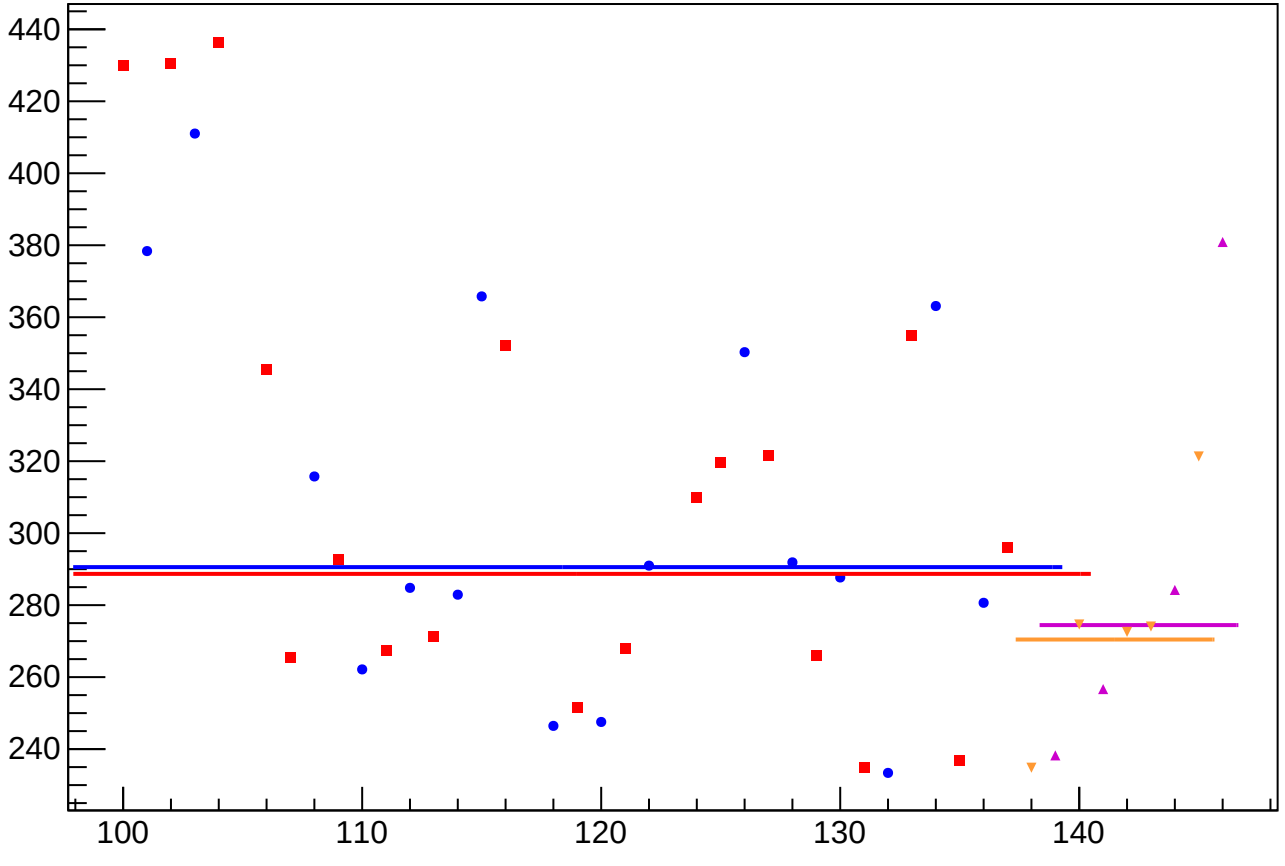
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -553.124+/-88.843 χ^2/NDF:217.7/19

Out: -67.482+/-86.343 χ^2/NDF:529.5/23

All: -303.375+/-61.919 χ^2/NDF: 762.6/43

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 270.449+/-0.101 χ^2/NDF:75951.7/4

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 274.458+/-0.105 χ^2/NDF:188395.1/3

Left: 272.374+/-0.073 χ^2/NDF: 265100.0/8

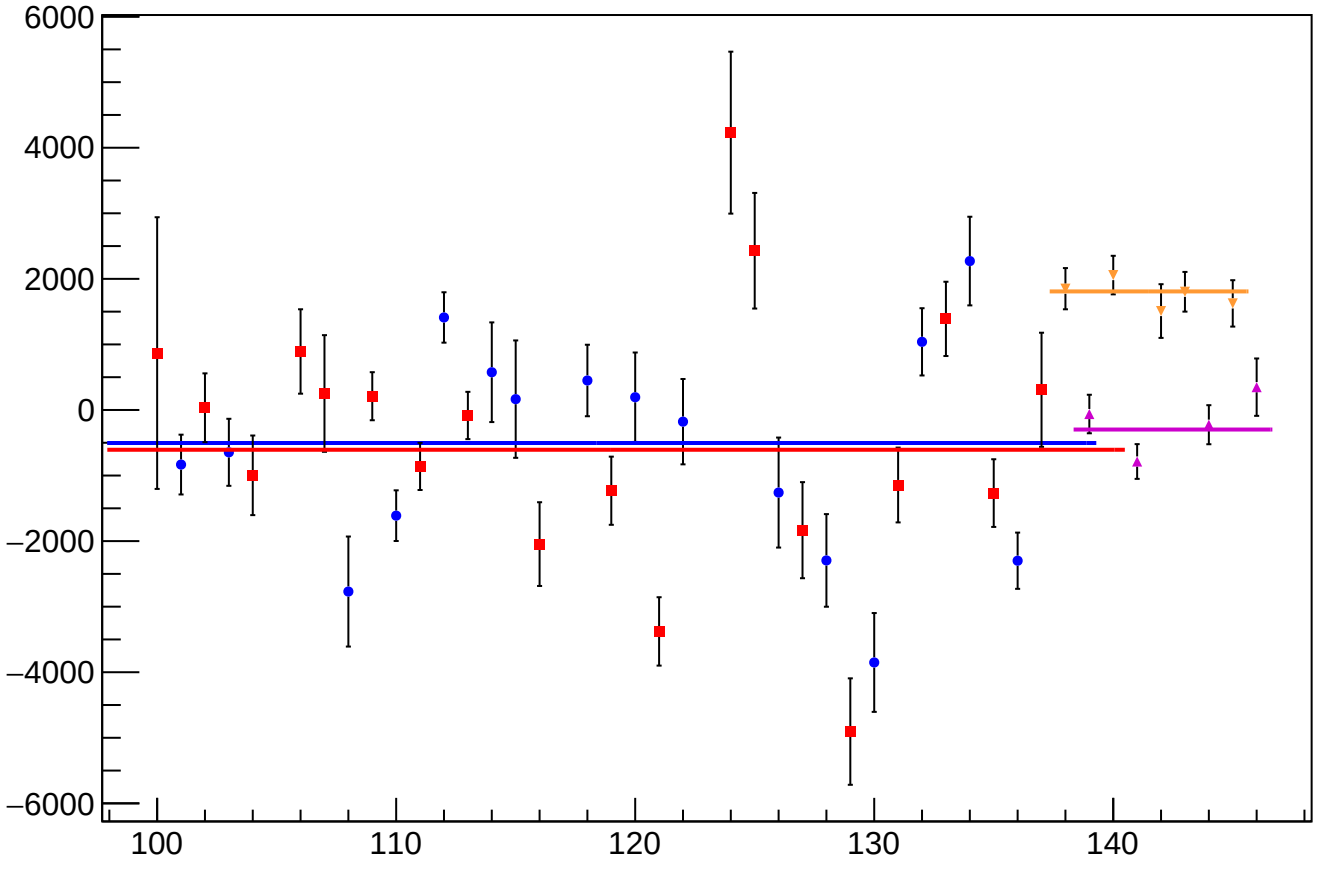
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 284.835+/-0.063 χ^2/NDF:563272.8/19

Out: 282.049+/-0.061 χ^2/NDF:585700.3/23

All: 283.402+/-0.044 χ^2/NDF: 1149984.4/43

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1808.390+/-146.574 χ^2/NDF:1.5/4

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -298.228+/-153.720 χ^2/NDF:6.3/3

Left: 805.182+/-106.080 χ^2/NDF: 106.2/8

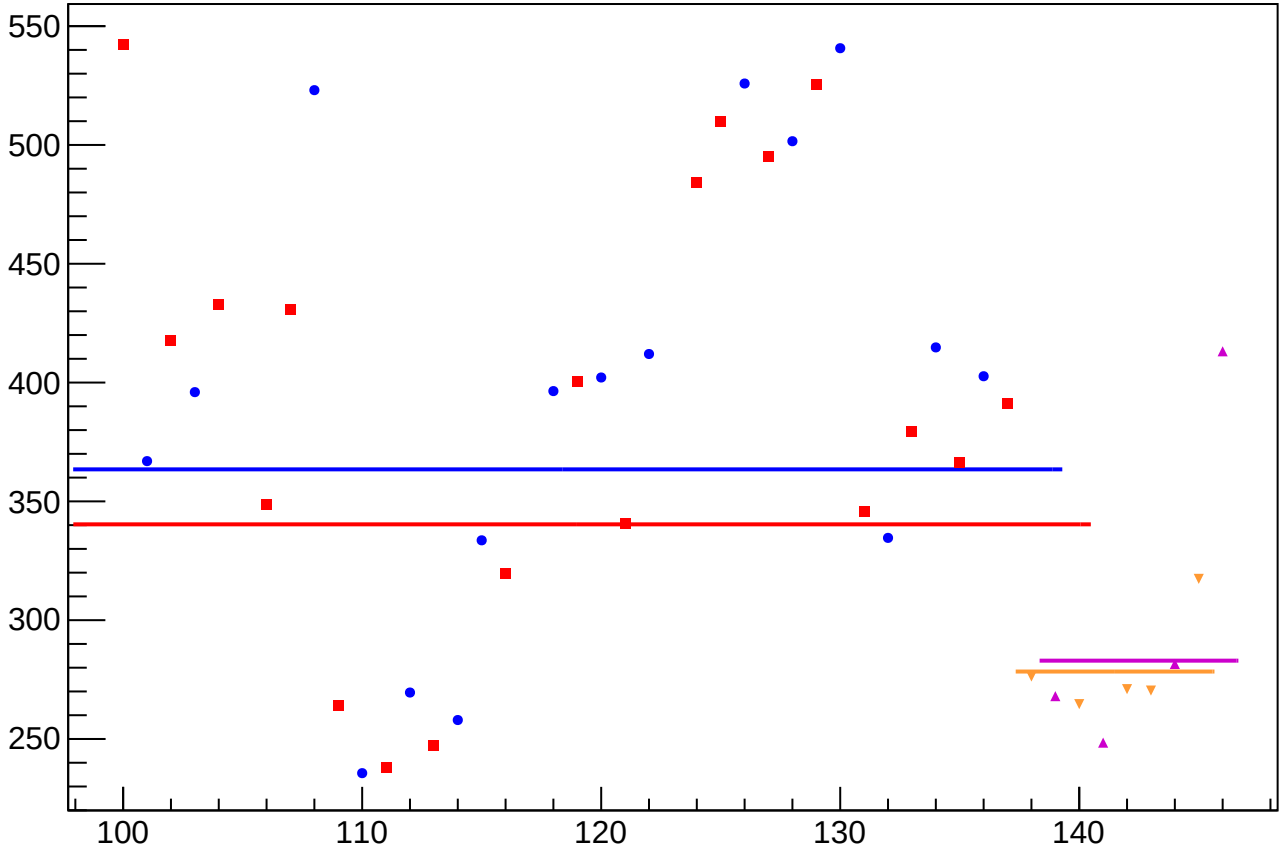
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -410.485+/-103.530 χ^2/NDF:125.5/19

Out: 452.947+/-97.094 χ^2/NDF:279.1/23

All: 48.901+/-70.822 χ^2/NDF: 441.6/43

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 278.383+/-0.104 χ^2/NDF:30799.1/4

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 282.964+/-0.109 χ^2/NDF:216176.4/3

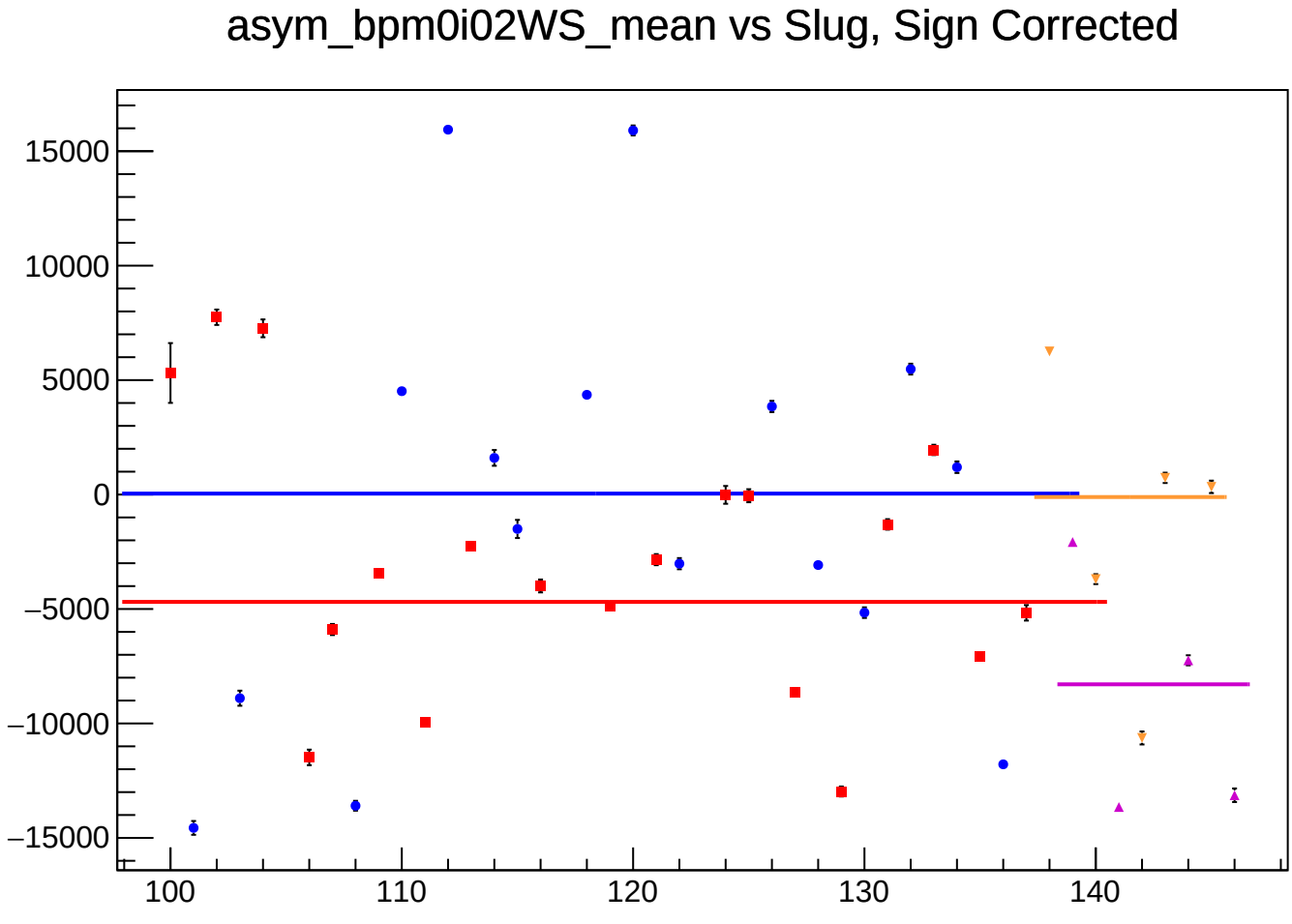
Left: 280.565+/-0.075 χ^2/NDF: 247905.5/8

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 326.953+/-0.073 χ^2/NDF:1296817.9/19

Out: 313.149+/-0.069 χ^2/NDF:1087521.3/23

All: 319.609+/-0.050 χ^2/NDF: 2403257.5/43



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -108.420+/-102.163 χ^2/NDF:2827.6/4

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8290.564+/-107.557 χ^2/NDF:2126.6/3

Left: -3989.179+/-74.074 χ^2/NDF: 7996.4/8

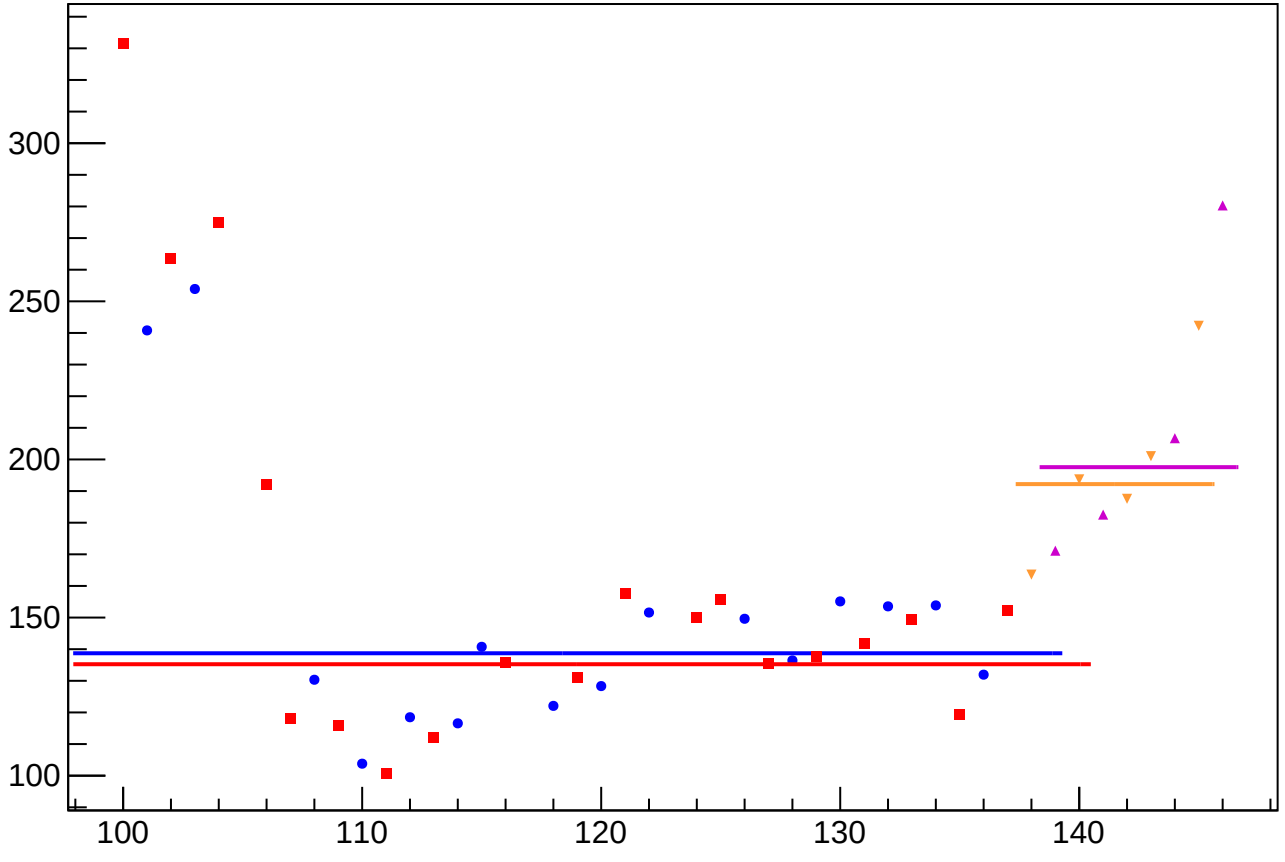
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -1646.224+/-48.401 χ^2/NDF:37698.0/19

Out: -3744.307+/-46.410 χ^2/NDF:12219.2/23

All: -2739.313+/-33.498 χ^2/NDF: 50896.2/43

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 192.202+/-0.072 χ^2/NDF:119068.6/4

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 197.562+/-0.076 χ^2/NDF:210445.2/3

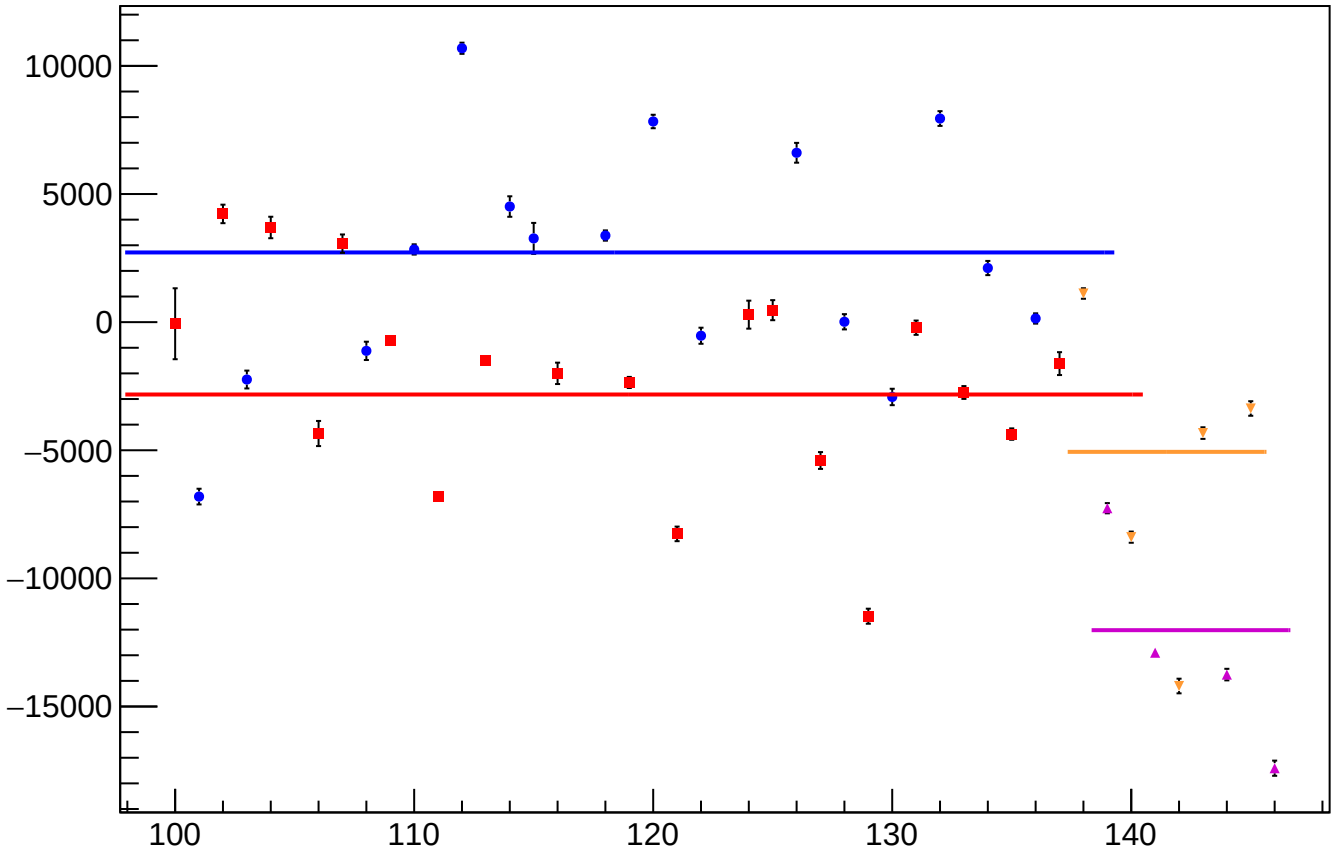
Left: 194.744+/-0.052 χ^2/NDF: 332124.8/8

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 150.629+/-0.034 χ^2/NDF:1345735.0/19

Out: 146.999+/-0.033 χ^2/NDF:1502443.6/23

All: 148.738+/-0.024 χ^2/NDF: 2854040.6/43



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5061.976+/-106.143 χ^2/NDF:2206.3/4

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12020.892+/-109.141 χ^2/NDF:981.0/3

Left: -8444.560+/-76.092 χ^2/NDF: 5276.5/8

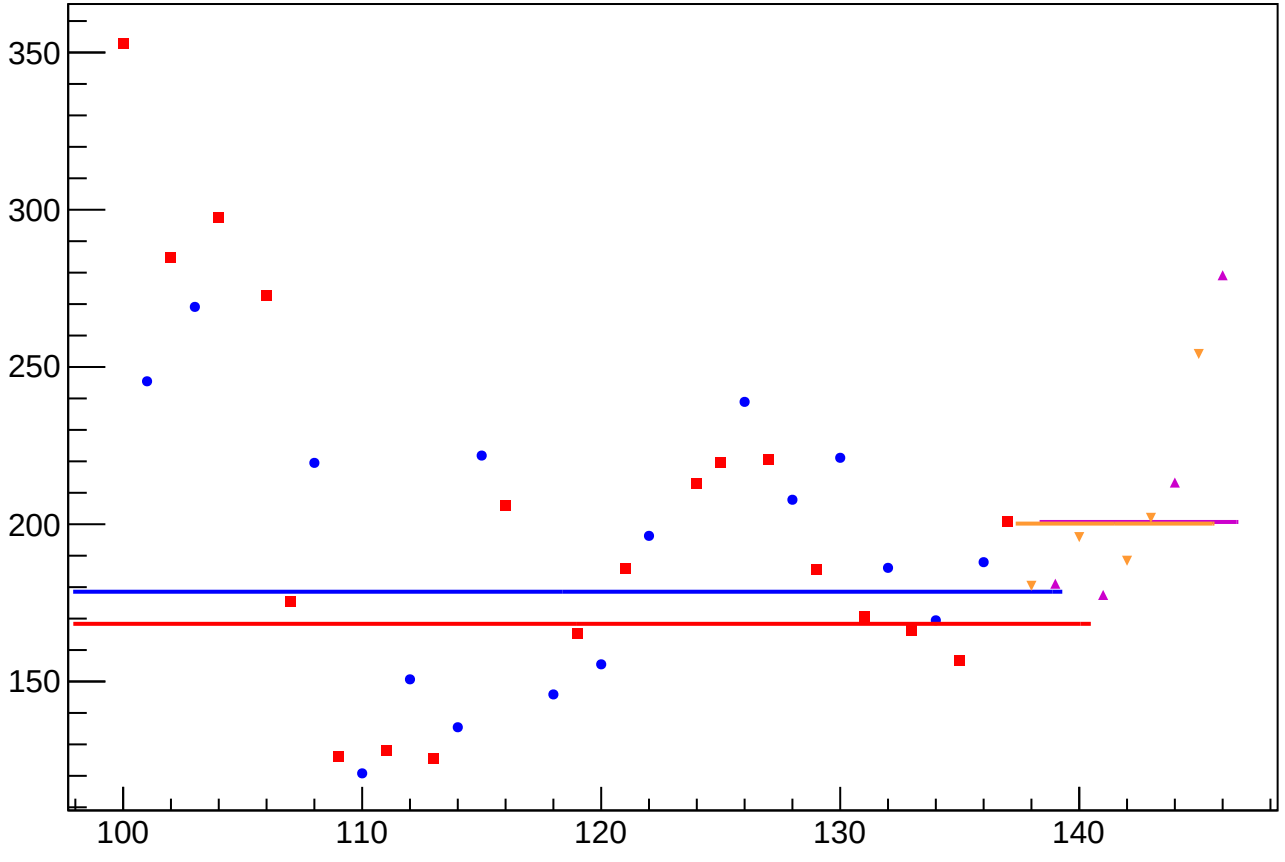
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -1510.941+/-58.471 χ^2/NDF:18116.3/19

Out: -3432.086+/-55.339 χ^2/NDF:5592.8/23

All: -2524.343+/-40.192 χ^2/NDF: 24278.6/43

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.204+/-0.075 χ^2/NDF:94946.8/4

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 200.724+/-0.077 χ^2/NDF:195687.4/3

Left: 200.457+/-0.054 χ^2/NDF: 290657.4/8

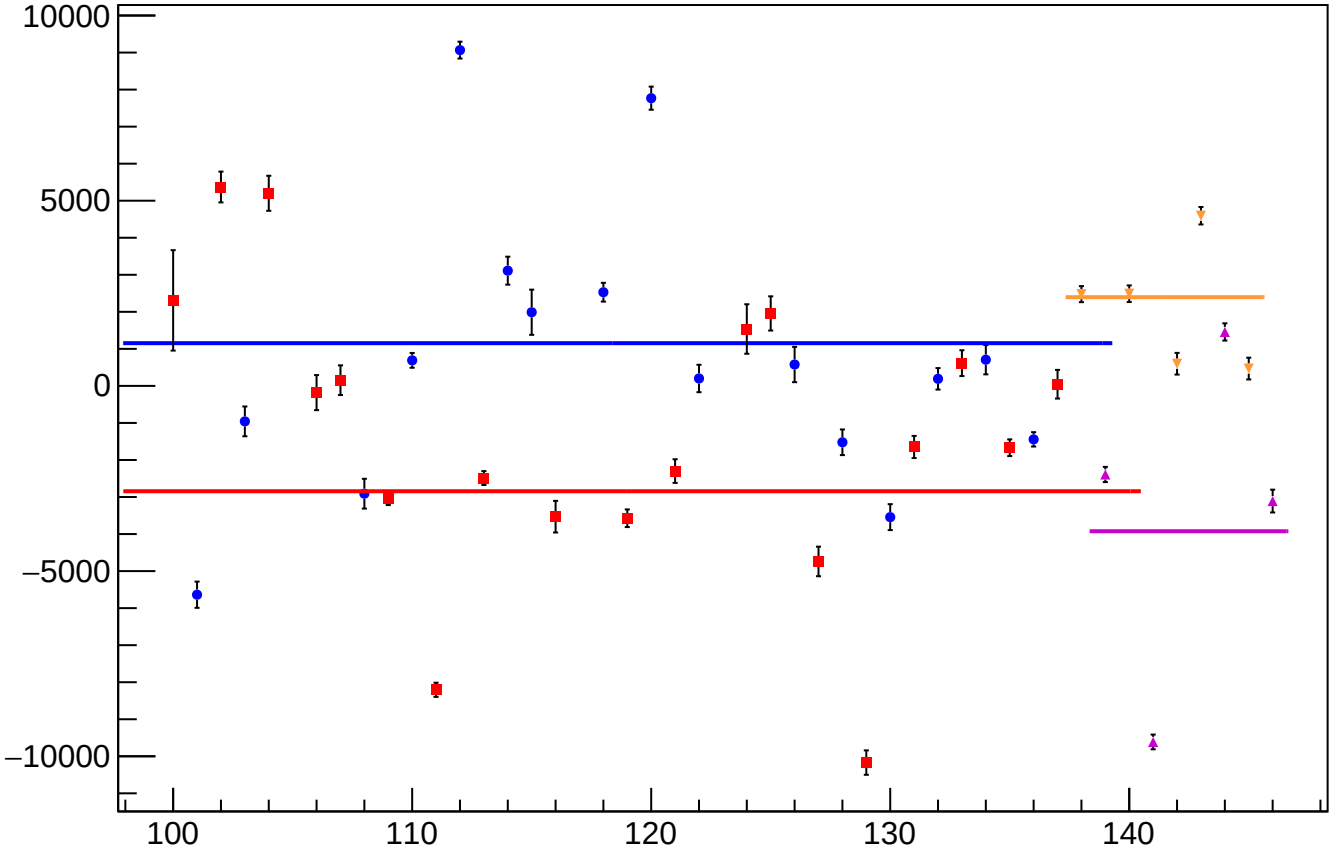
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 184.908+/-0.041 χ^2/NDF:929161.0/19

Out: 176.997+/-0.039 χ^2/NDF:1205724.9/23

All: 180.735+/-0.028 χ^2/NDF: 2154195.6/43

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2395.439+/-110.109 χ^2/NDF:168.2/4

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -3923.686+/-113.245 χ^2/NDF:1415.5/3

Left: -675.407+/-78.944 χ^2/NDF: 3184.2/8

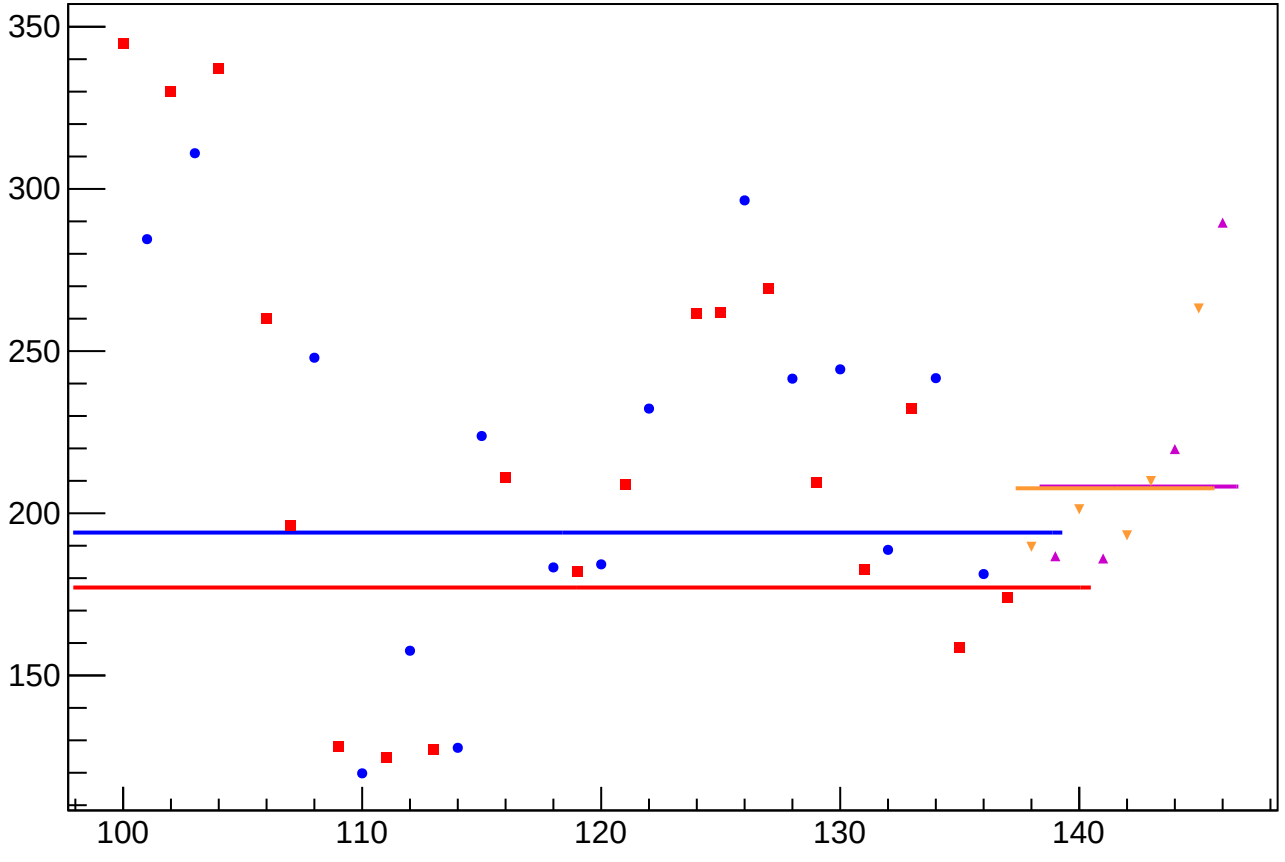
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -421.653+/-63.081 χ^2/NDF:5457.3/19

Out: -1362.307+/-58.553 χ^2/NDF:4245.2/23

All: -926.952+/-42.915 χ^2/NDF: 9822.0/43

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 207.705+/-0.078 χ^2/NDF:91838.9/4

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 208.245+/-0.080 χ^2/NDF:191187.6/3

Left: 207.968+/-0.056 χ^2/NDF: 283049.8/8

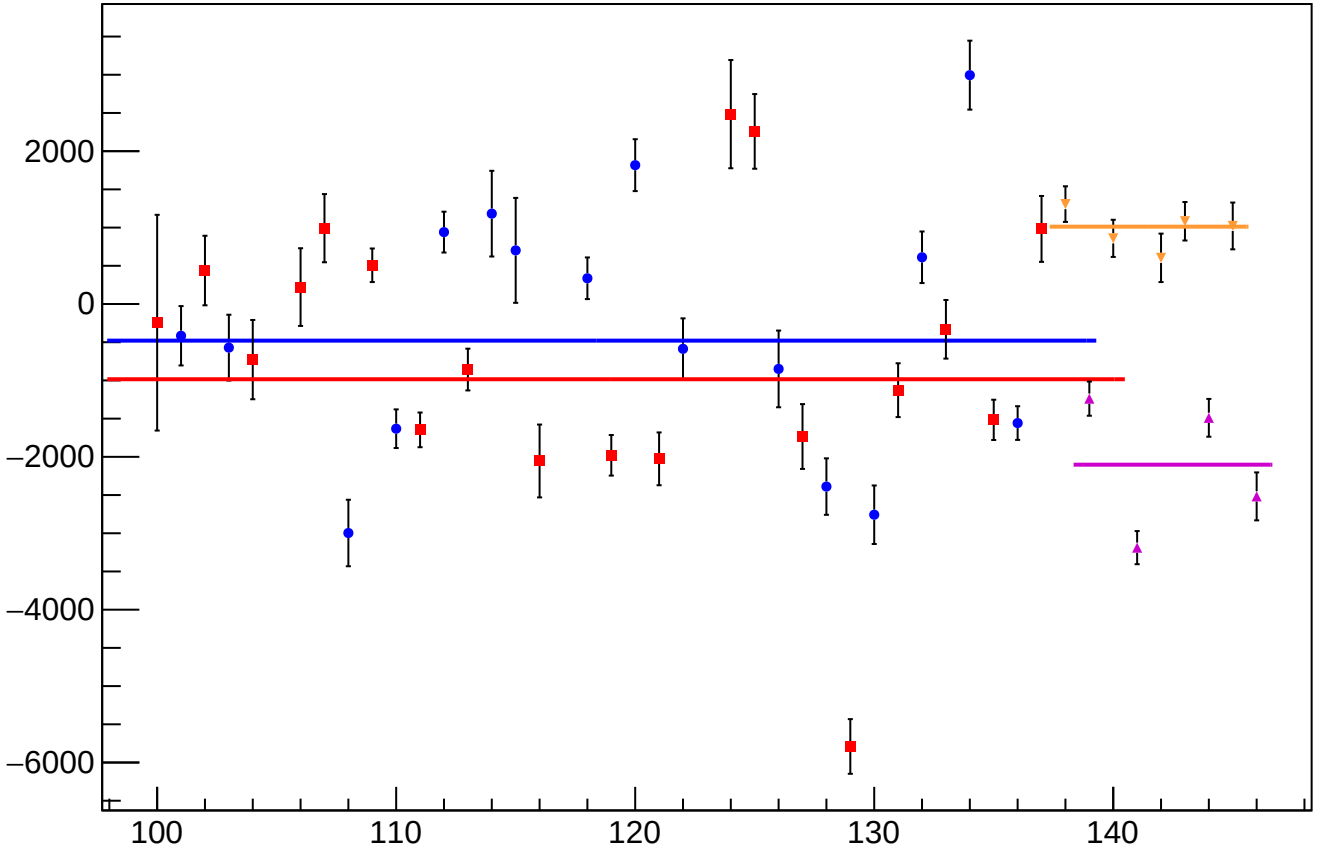
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 198.457+/-0.045 χ^2/NDF:1178638.6/19

Out: 185.765+/-0.041 χ^2/NDF:1561898.6/23

All: 191.639+/-0.030 χ^2/NDF: 2784023.0/43

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1012.099+/-118.099 χ^2/NDF:3.7/4

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2102.702+/-121.497 χ^2/NDF:47.9/3

Left: -501.136+/-84.684 χ^2/NDF: 389.6/8

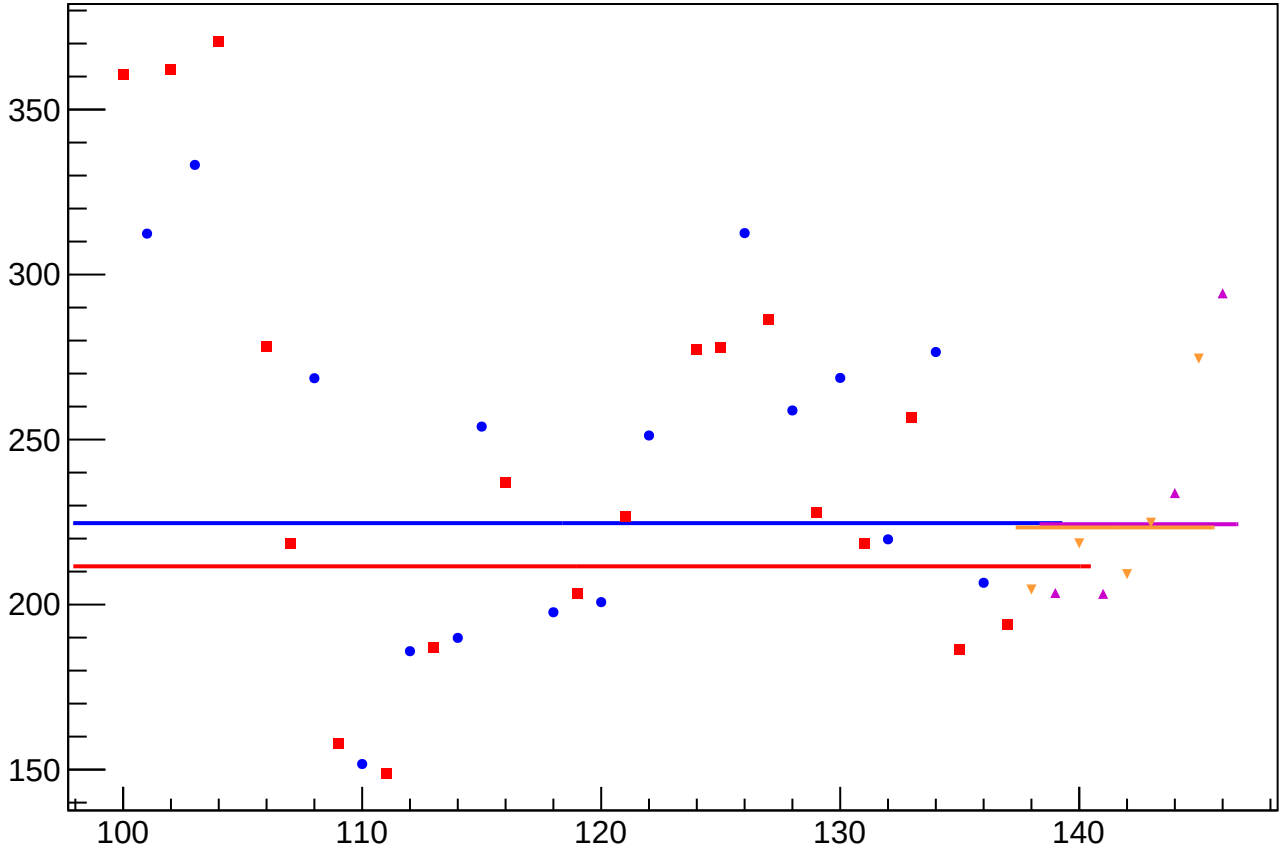
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1026.924+/-70.565 χ^2/NDF:471.6/19

Out: -346.335+/-66.768 χ^2/NDF:596.3/23

All: -667.823+/-48.499 χ^2/NDF: 1117.1/43

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 223.377+/-0.084 χ^2/NDF:73723.1/4

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 224.349+/-0.086 χ^2/NDF:138649.8/3

Left: 223.849+/-0.060 χ^2/NDF: 212438.8/8

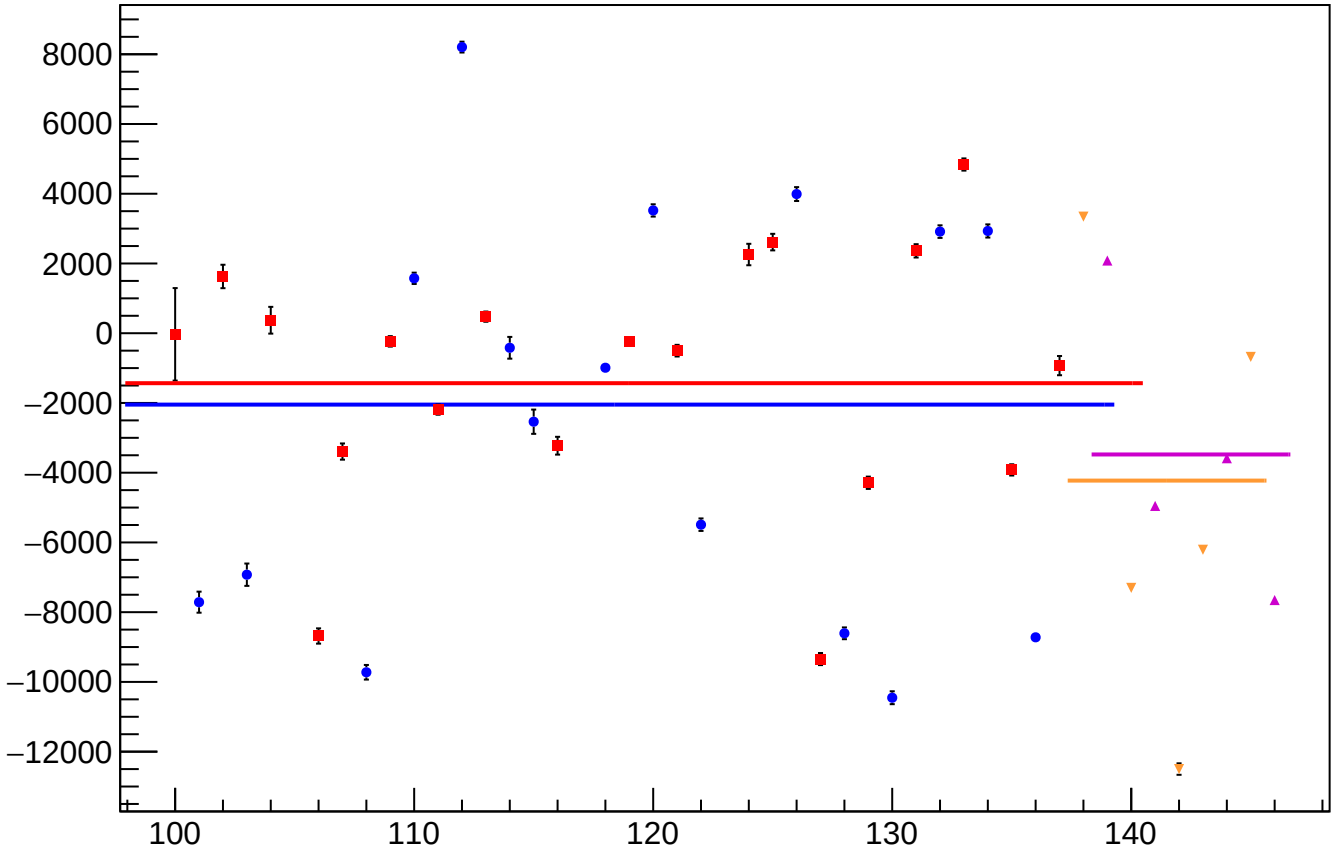
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.570+/-0.050 χ^2/NDF:791853.2/19

Out: 215.361+/-0.047 χ^2/NDF:1020168.3/23

All: 219.711+/-0.034 χ^2/NDF: 1829995.8/43

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4226.315+/-60.029 χ^2/NDF:7508.8/4

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -3477.145+/-61.589 χ^2/NDF:3061.2/3

Left: -3861.339+/-42.988 χ^2/NDF: 10645.8/8

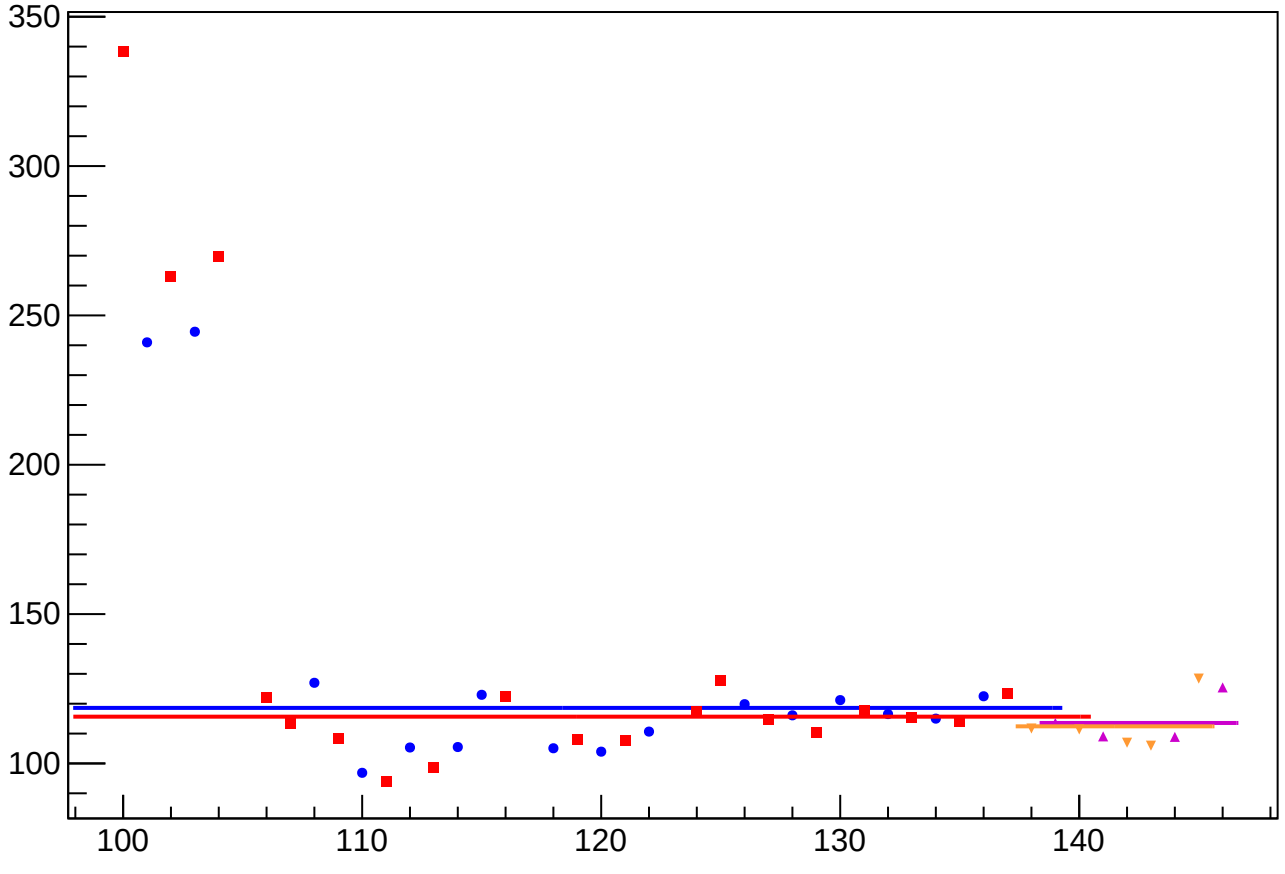
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -2569.563+/-37.223 χ^2/NDF:20112.4/19

Out: -2430.152+/-35.867 χ^2/NDF:15288.9/23

All: -2497.271+/-25.828 χ^2/NDF: 35408.6/43

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 112.422+/-0.042 χ^2/NDF:32545.2/4

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 113.549+/-0.044 χ^2/NDF:21891.7/3

Left: 112.971+/-0.030 χ^2/NDF: 54780.7/8

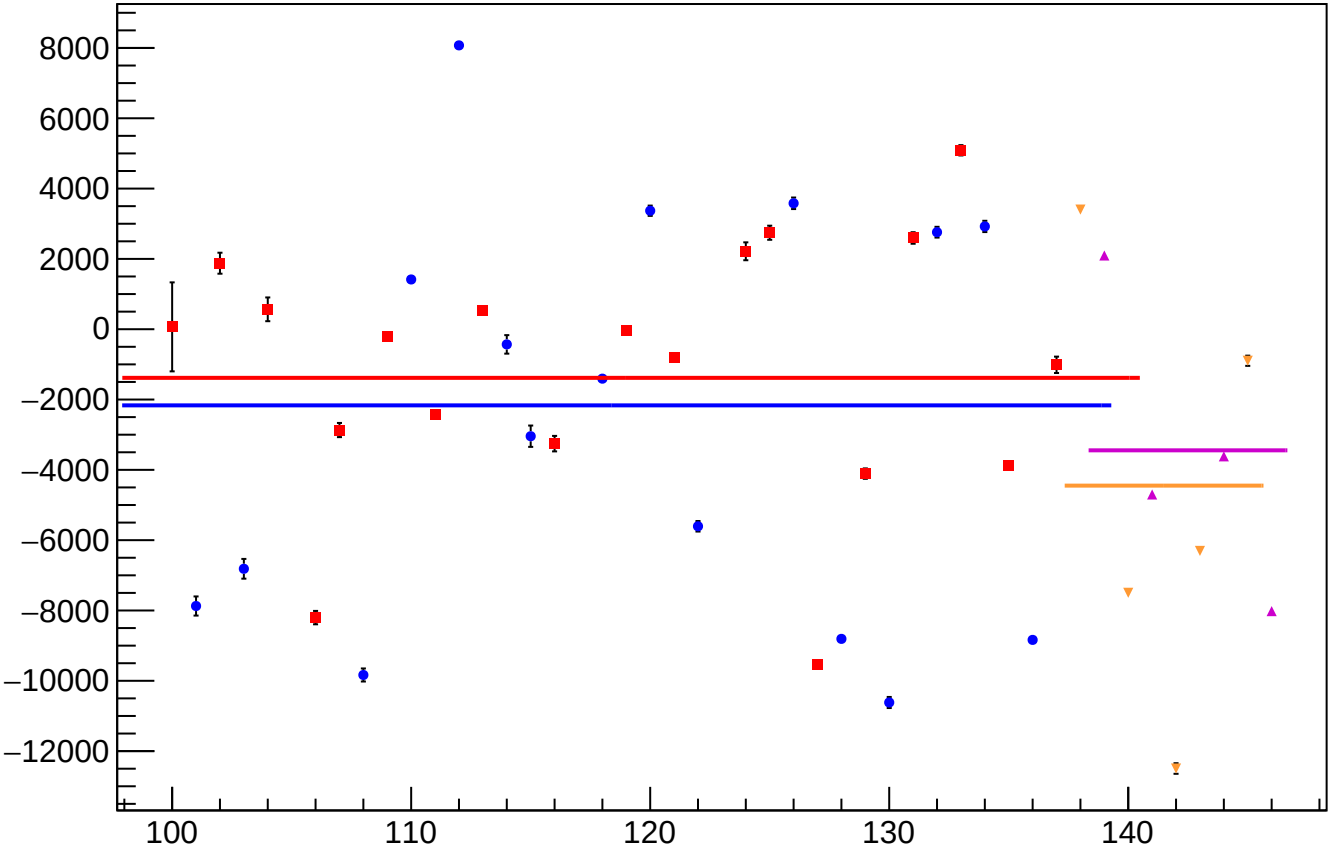
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.752+/-0.026 χ^2/NDF:764573.4/19

Out: 114.504+/-0.025 χ^2/NDF:900493.3/23

All: 115.586+/-0.018 χ^2/NDF: 1668852.1/43

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4448.578+/-55.215 χ^2/NDF:9031.1/4

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -3444.826+/-57.253 χ^2/NDF:3707.6/3

Left: -3964.888+/-39.744 χ^2/NDF: 12897.9/8

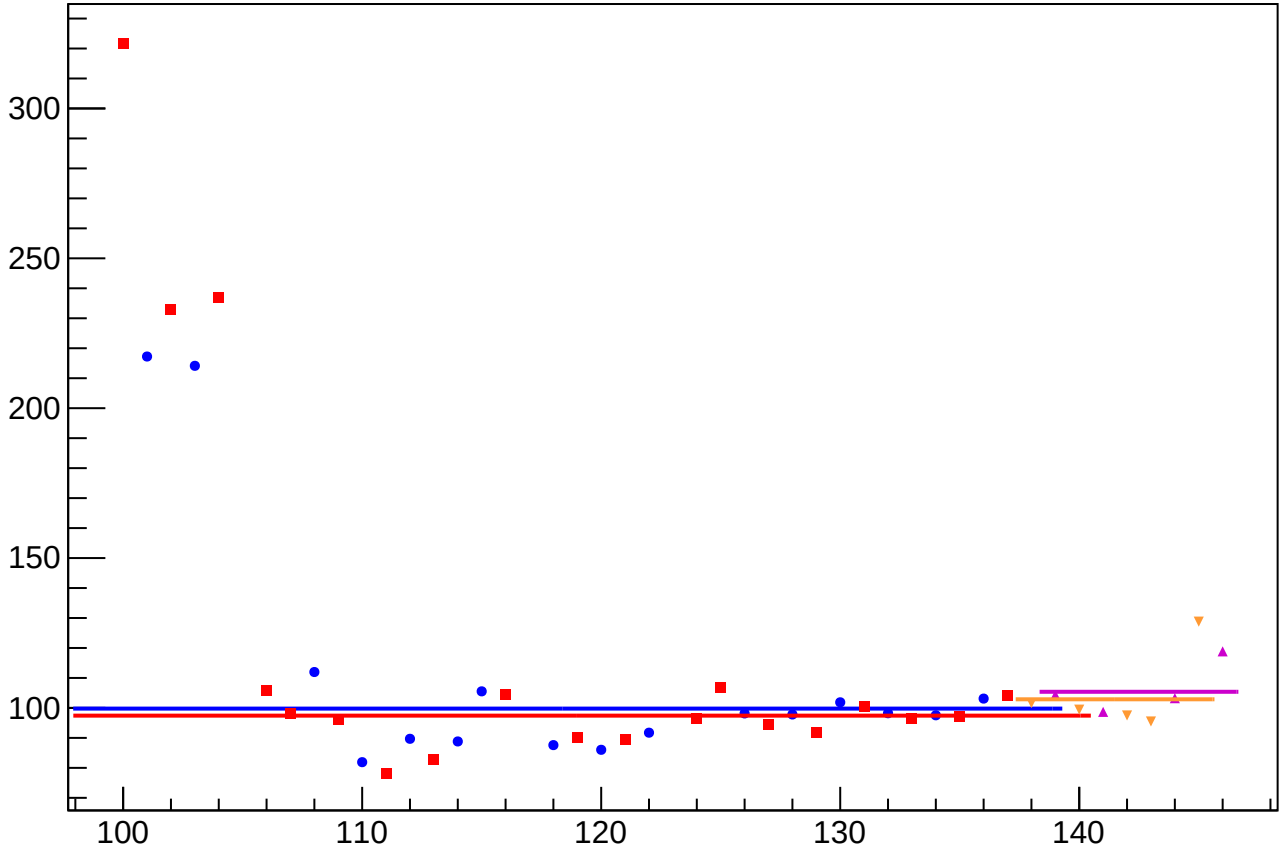
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -2580.188+/-32.586 χ^2/NDF:26919.7/19

Out: -2367.531+/-31.289 χ^2/NDF:20272.2/23

All: -2469.544+/-22.570 χ^2/NDF: 47214.1/43

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.877+/-0.039 χ^2/NDF:77592.8/4

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 105.383+/-0.040 χ^2/NDF:31436.7/3

Left: 104.084+/-0.028 χ^2/NDF: 111015.6/8

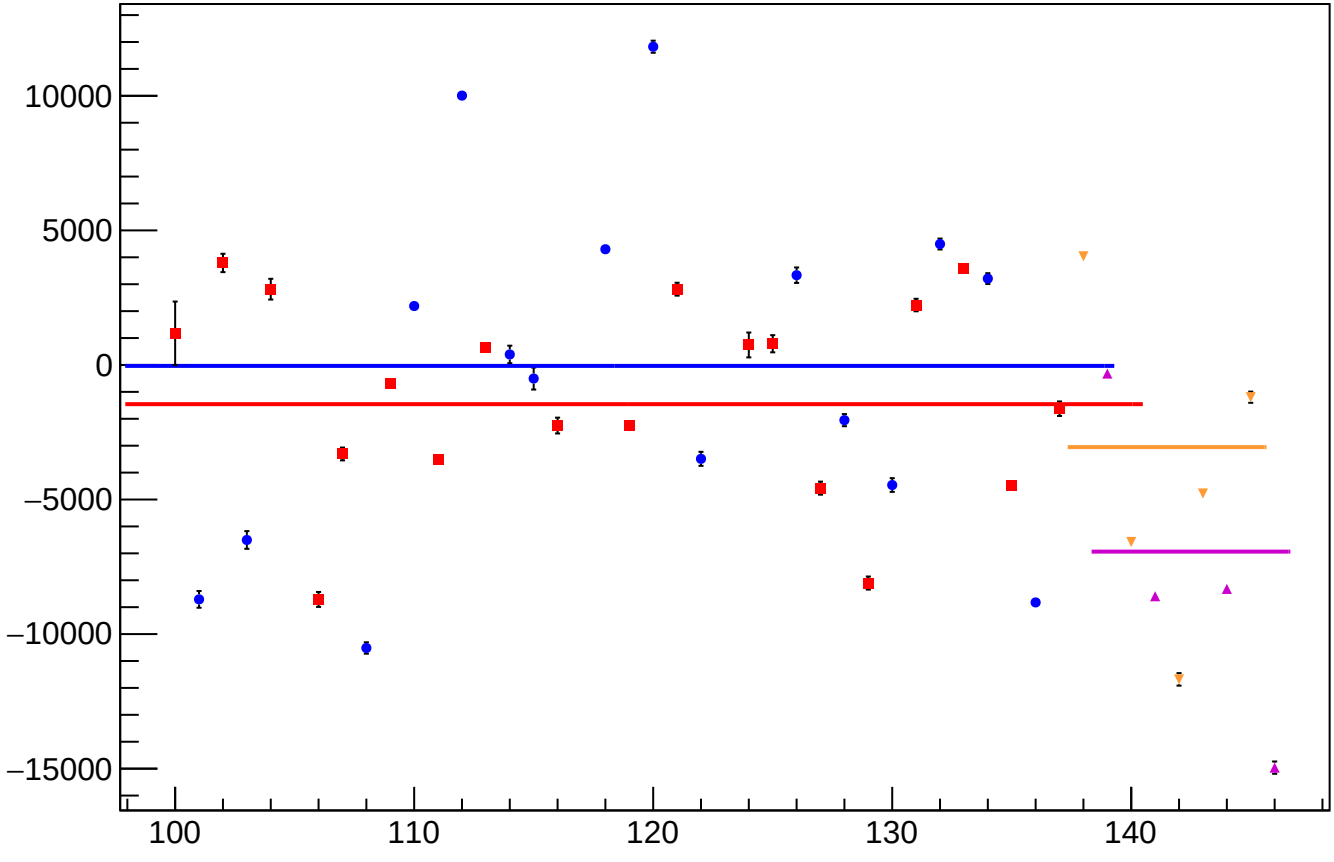
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 101.591+/-0.023 χ^2/NDF:853564.5/19

Out: 99.177+/-0.022 χ^2/NDF:1016863.8/23

All: 100.335+/-0.016 χ^2/NDF: 1876139.1/43

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3051.798+/-81.263 χ^2/NDF:4063.1/4

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -6935.647+/-87.851 χ^2/NDF:3124.9/3

Left: -4842.646+/-59.655 χ^2/NDF: 8241.3/8

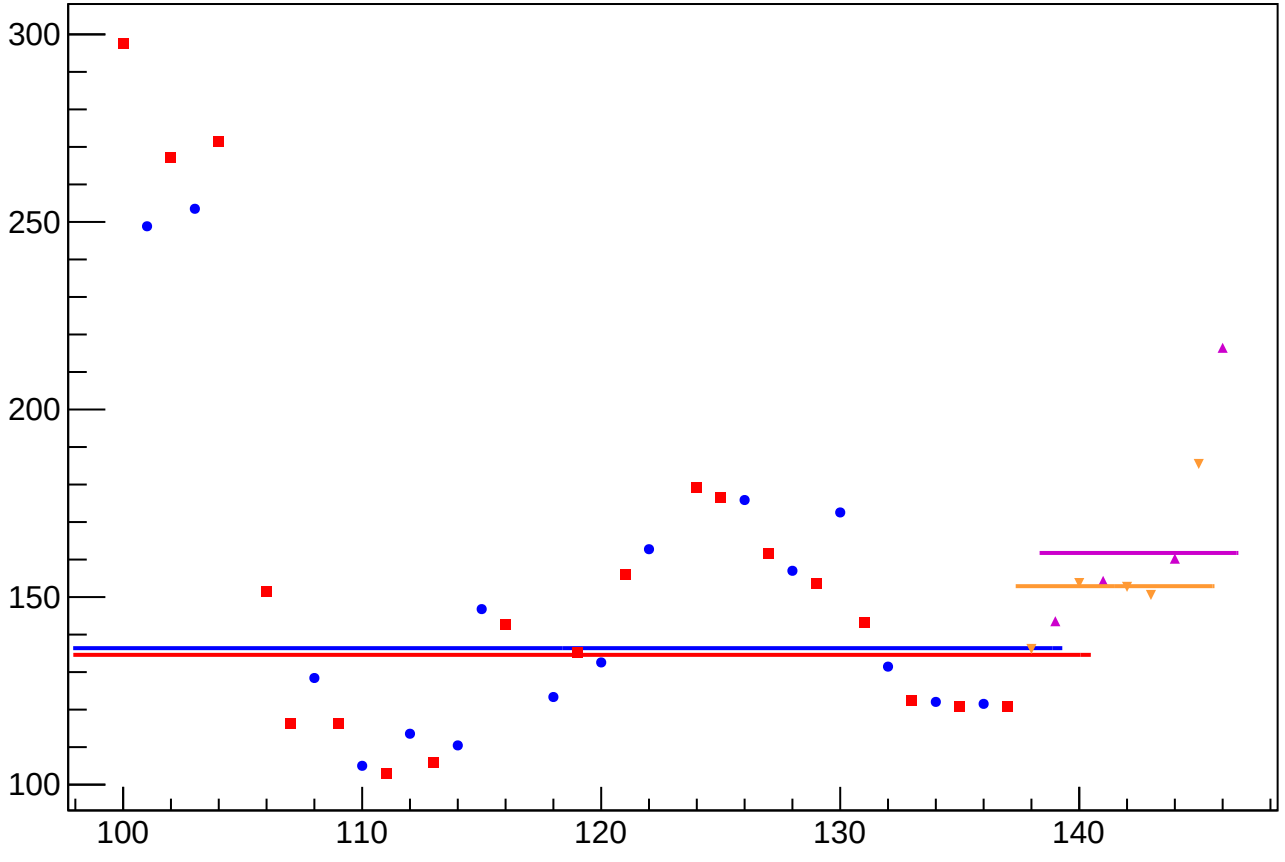
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -1899.831+/-45.672 χ^2/NDF:24430.6/19

Out: -1919.386+/-43.768 χ^2/NDF:8453.7/23

All: -1910.024+/-31.600 χ^2/NDF: 32884.3/43

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 152.906+/-0.057 χ^2/NDF:72765.5/4

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 161.761+/-0.062 χ^2/NDF:144493.8/3

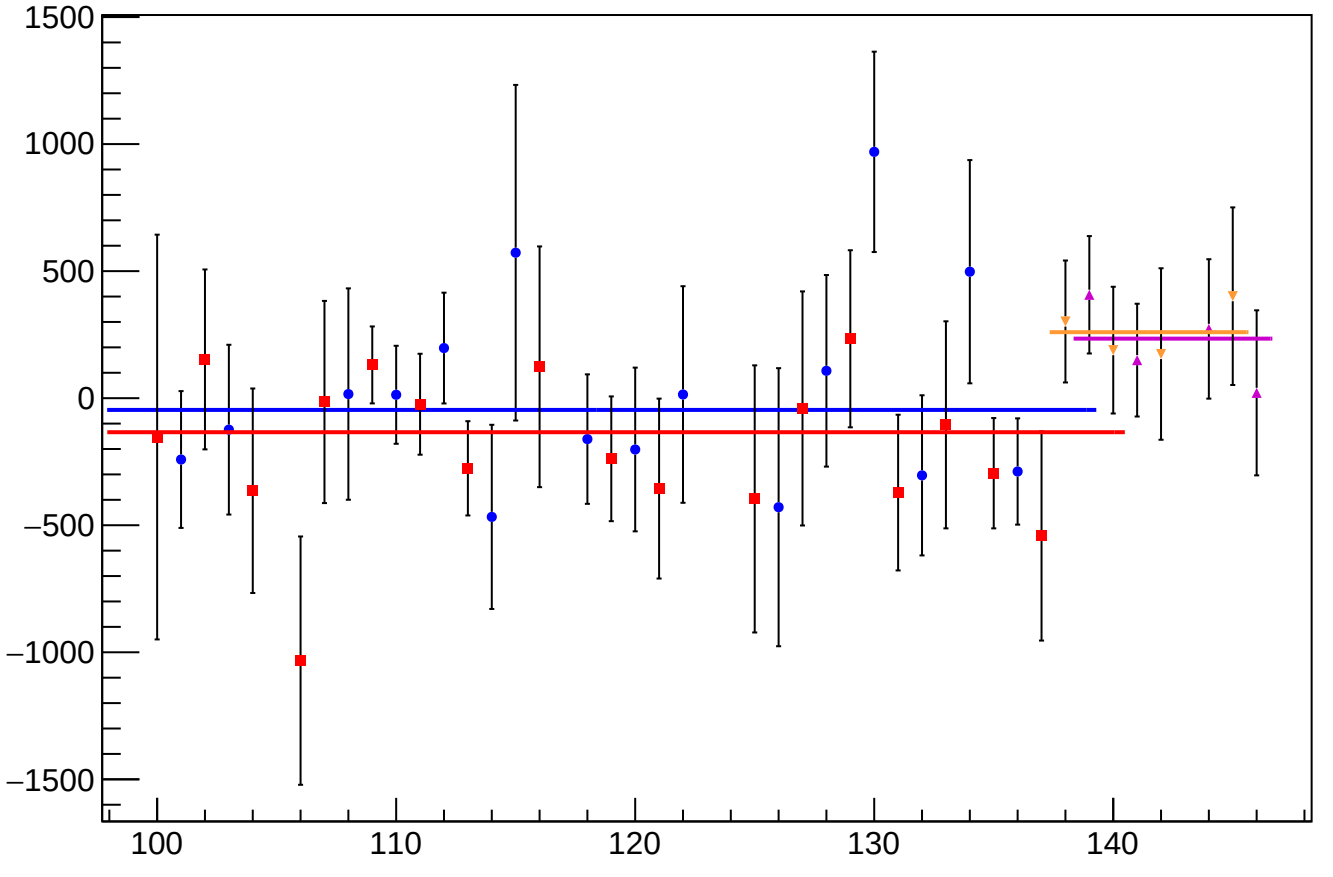
Left: 156.989+/-0.042 χ^2/NDF: 228209.9/8

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 143.242+/-0.032 χ^2/NDF:1063138.8/19

Out: 139.909+/-0.031 χ^2/NDF:1064435.8/23

All: 141.505+/-0.022 χ^2/NDF: 2133127.6/43



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 259.763+/-140.841 χ^2/NDF:0.3/3

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 234.361+/-127.189 χ^2/NDF:1.2/3

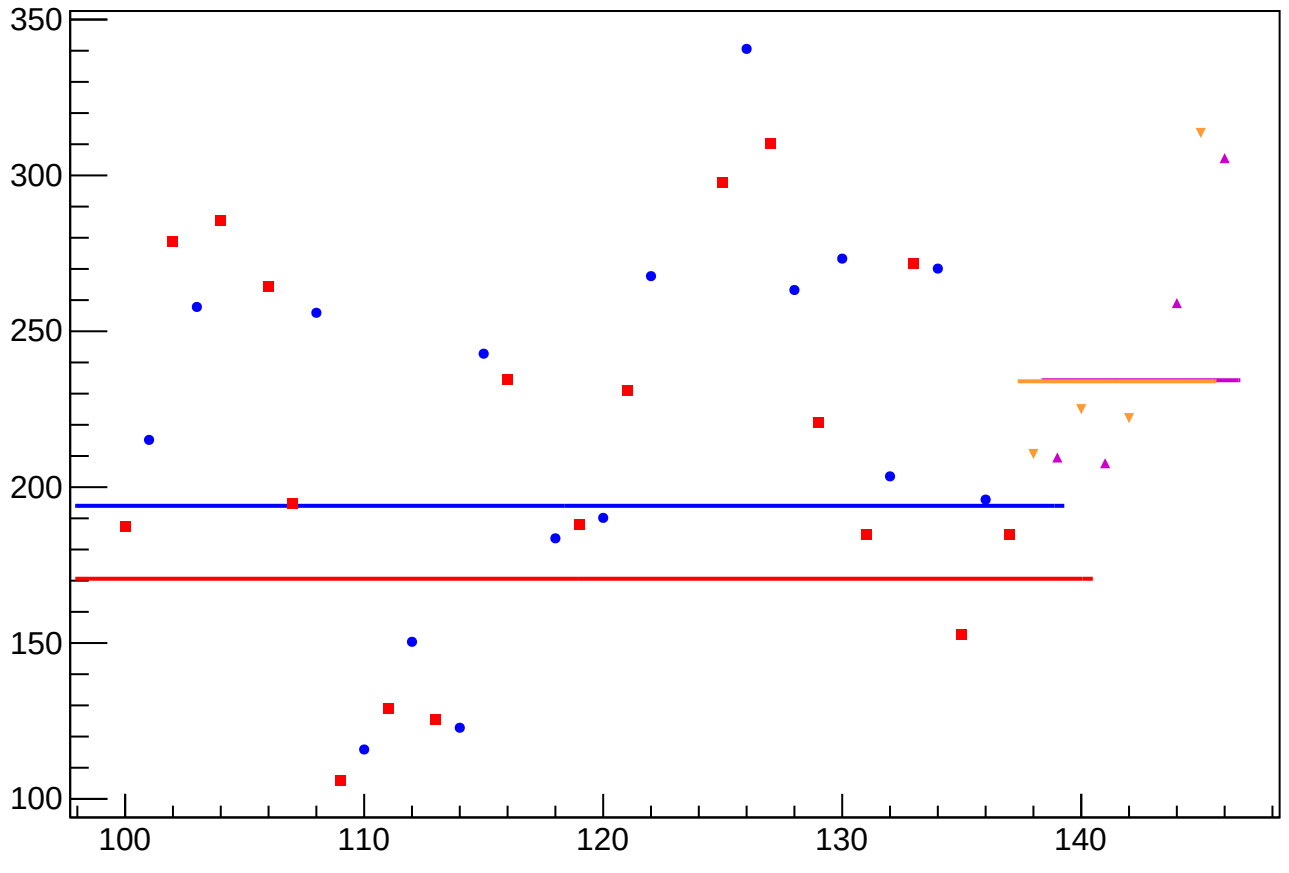
Left: 245.771+/-94.395 χ^2/NDF: 1.5/7

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 28.023+/-65.419 χ^2/NDF:20.2/19

Out: -58.757+/-61.538 χ^2/NDF:19.5/21

All: -18.017+/-44.823 χ^2/NDF: 40.6/41



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 233.956+/-0.100 χ^2/NDF:127840.9/3

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 234.294+/-0.090 χ^2/NDF:164262.2/3

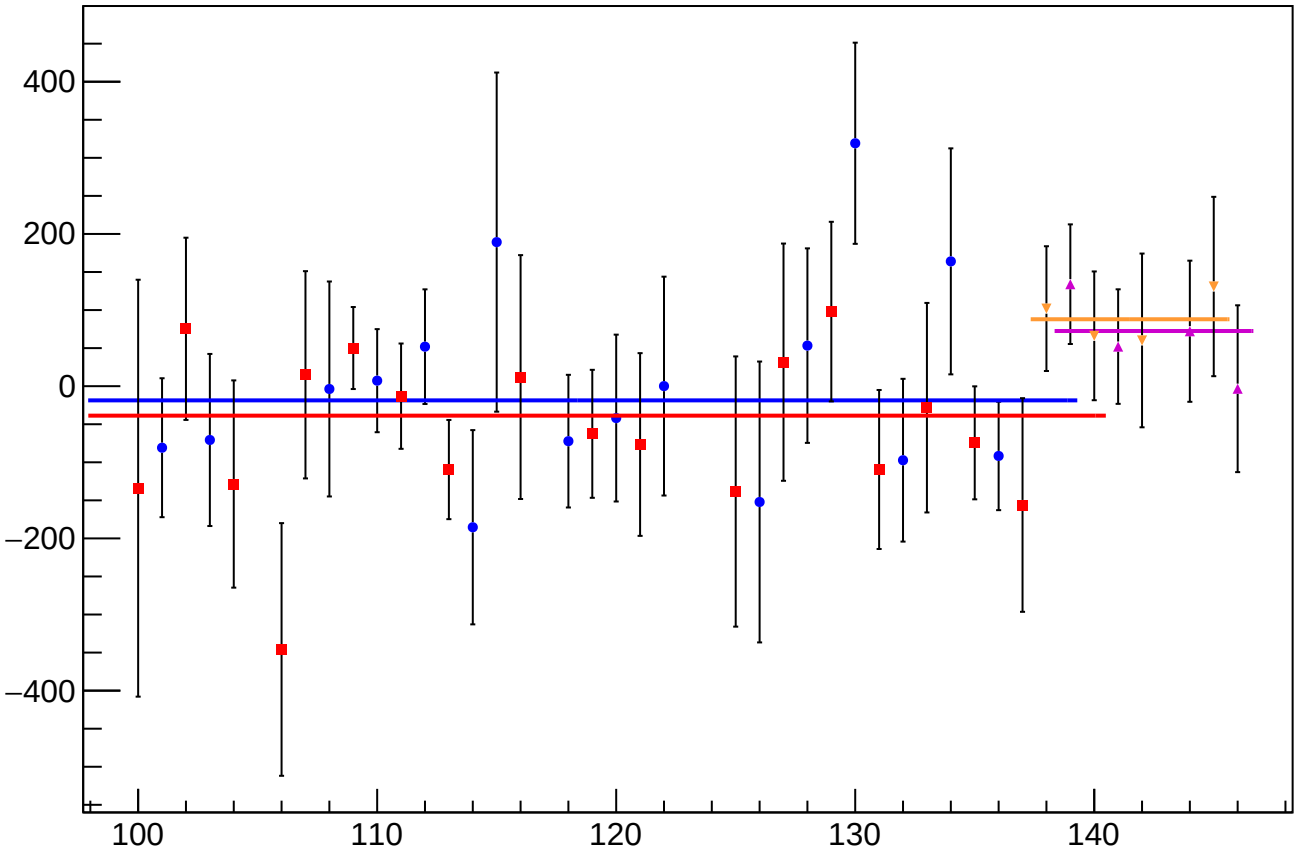
Left: 234.142+/-0.067 χ^2/NDF: 292109.4/7

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 204.672+/-0.046 χ^2/NDF:1355356.2/19

Out: 182.714+/-0.044 χ^2/NDF:2048779.9/21

All: 193.023+/-0.032 χ^2/NDF: 3523681.5/41



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 87.926+/-47.814 χ^2/NDF:0.3/3

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 72.488+/-43.107 χ^2/NDF:1.2/3

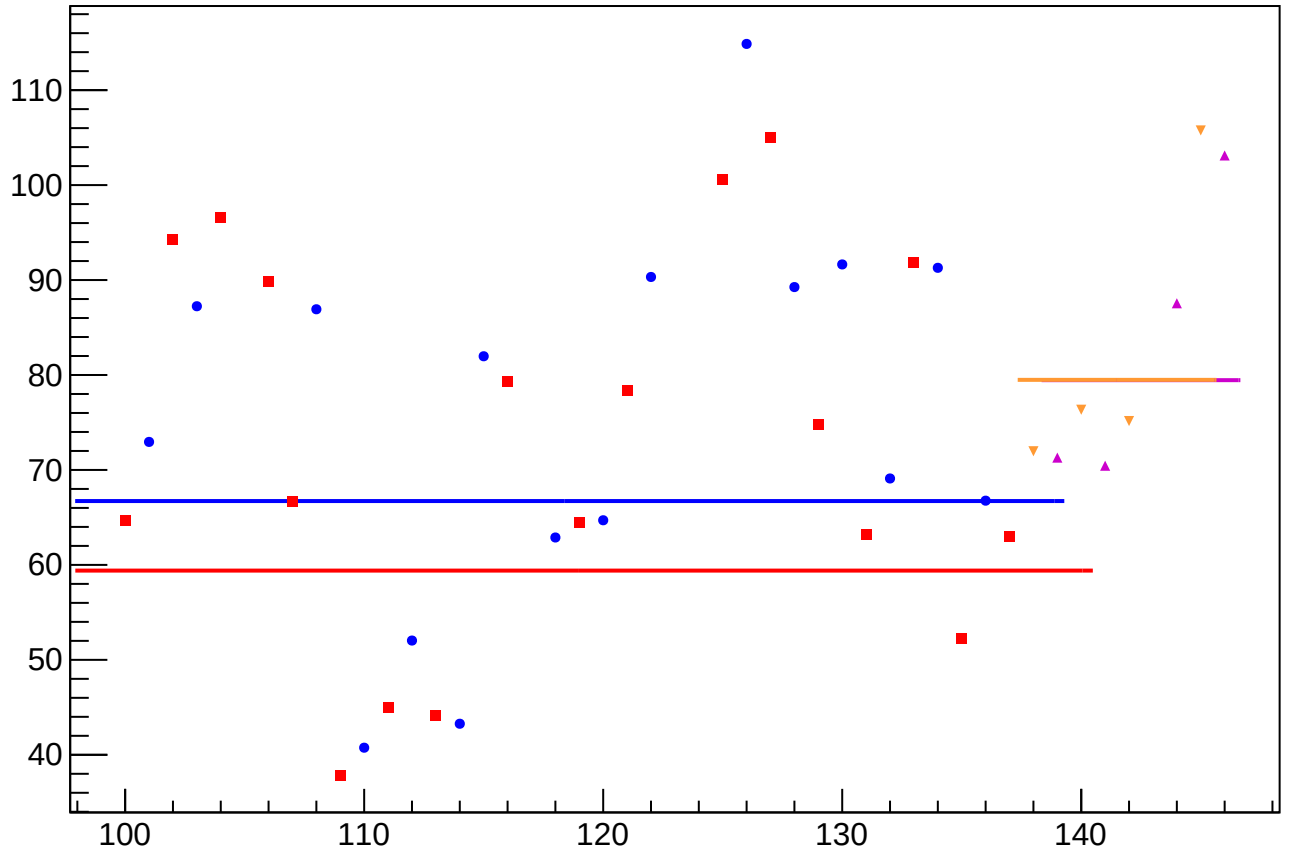
Left: 79.410+/-32.016 χ^2/NDF: 1.5/7

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 5.832+/-22.341 χ^2/NDF:19.6/19

Out: -13.820+/-21.200 χ^2/NDF:18.5/21

All: -4.508+/-15.378 χ^2/NDF: 38.6/41



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 79.488+/-0.034 χ^2/NDF:121892.6/3

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 79.455+/-0.030 χ^2/NDF:158723.2/3

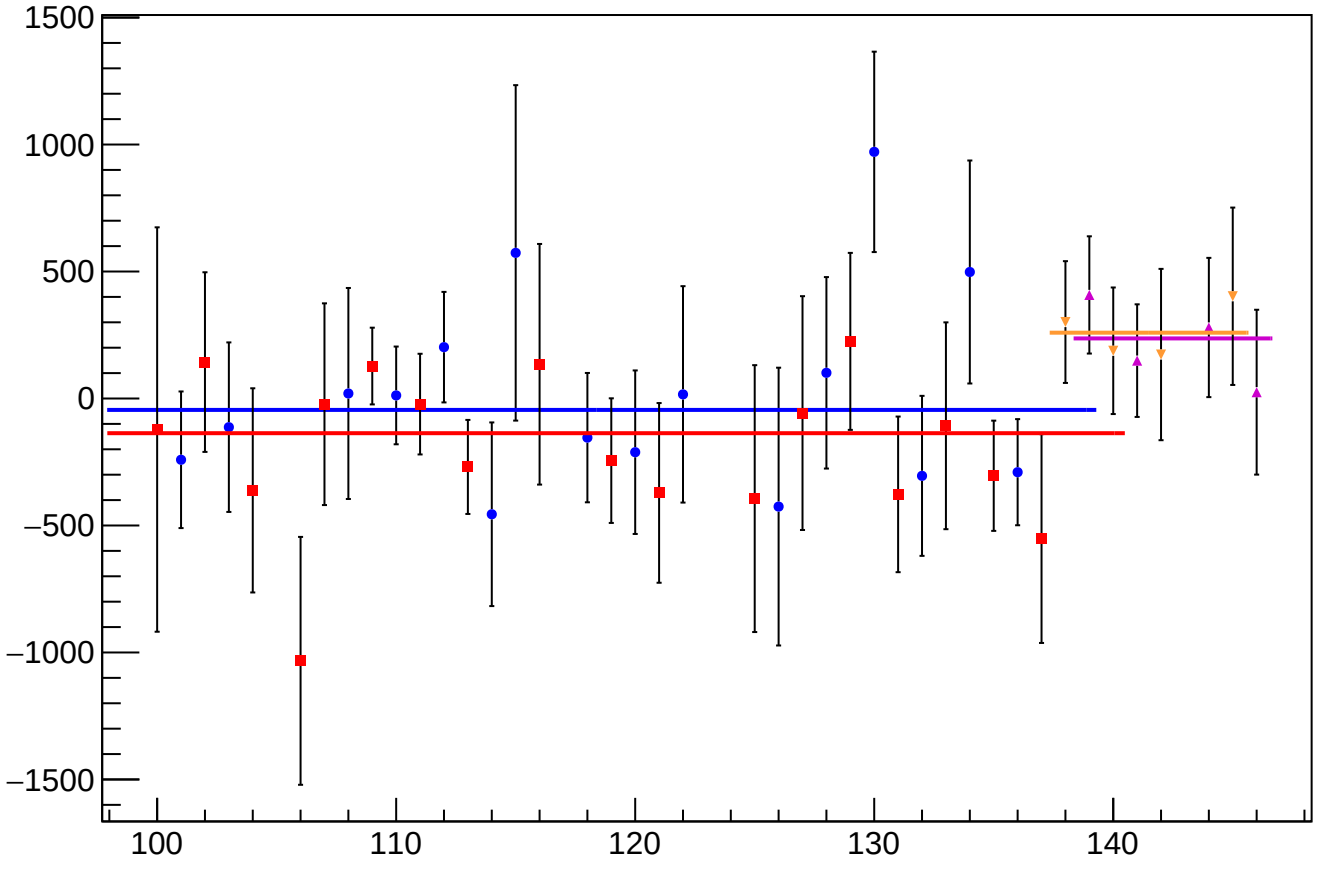
Left: 79.470+/-0.023 χ^2/NDF: 280616.3/7

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 70.144+/-0.016 χ^2/NDF:1233355.7/19

Out: 63.349+/-0.015 χ^2/NDF:1850860.6/21

All: 66.569+/-0.011 χ^2/NDF: 3181550.1/41



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 259.179+/-140.722 χ^2/NDF:0.3/3

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 236.541+/-127.093 χ^2/NDF:1.2/3

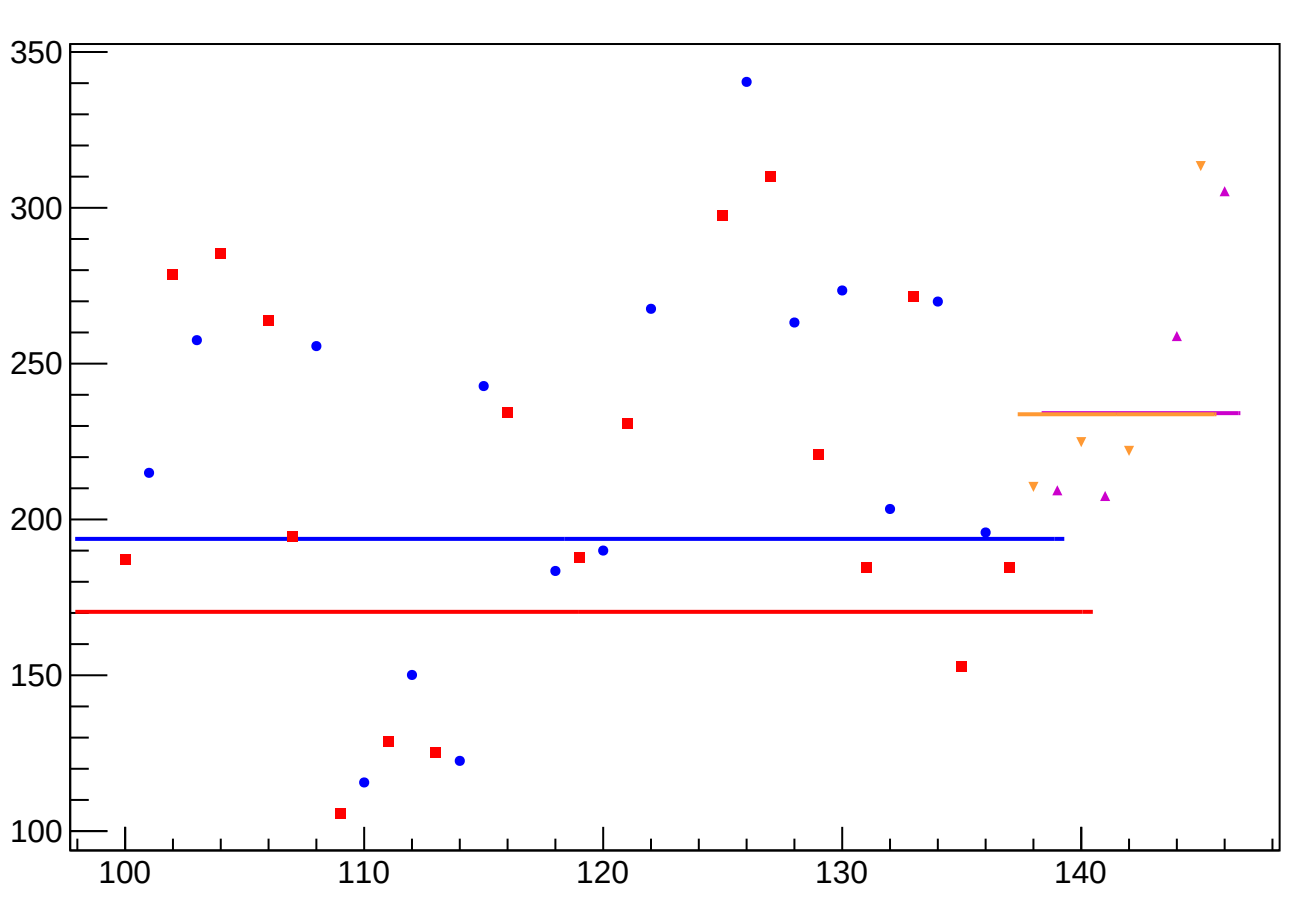
Left: 246.711+/-94.320 χ^2/NDF: 1.5/7

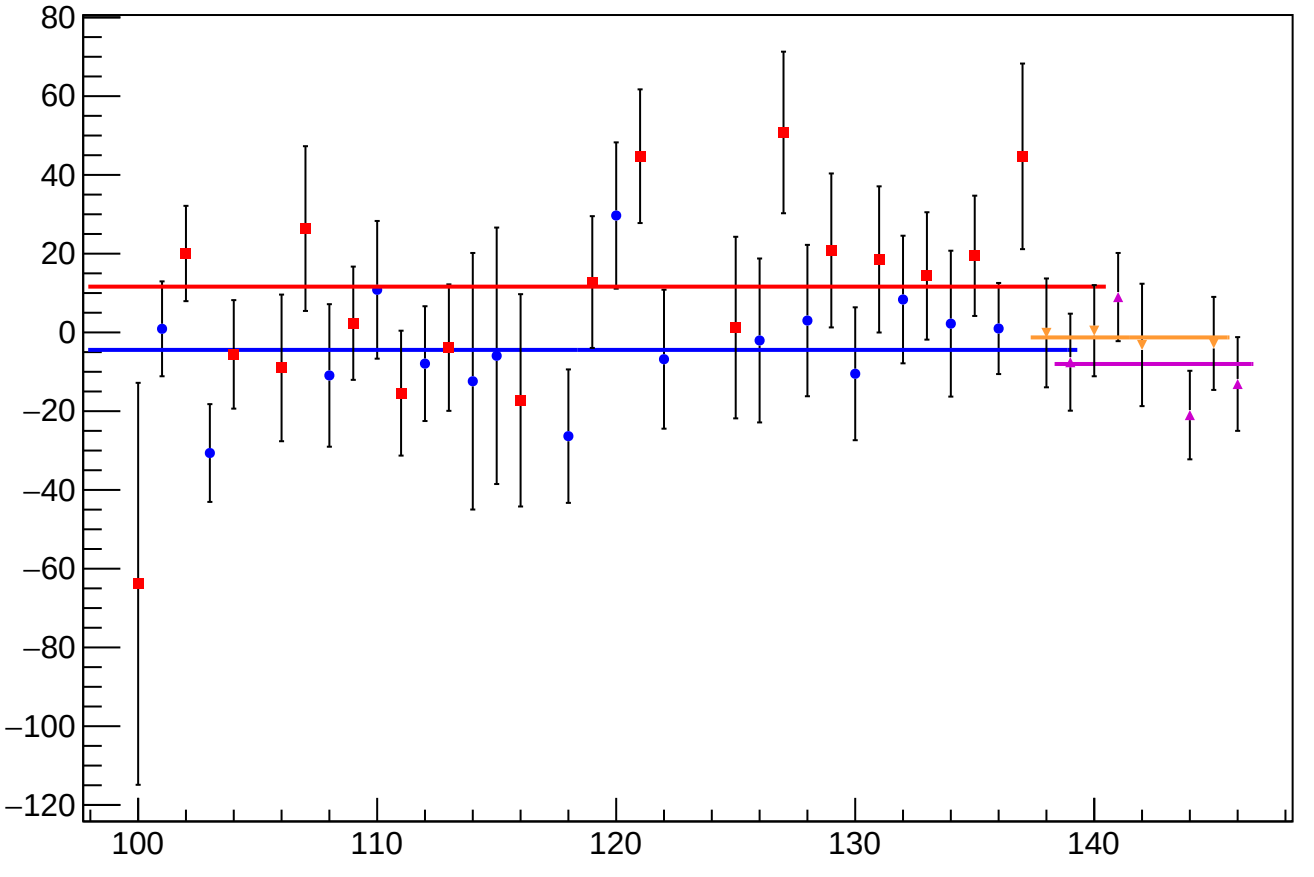
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 29.504+/-65.352 χ^2/NDF:20.2/19

Out: -61.086+/-61.461 χ^2/NDF:19.6/21

All: -18.568+/-44.772 χ^2/NDF: 40.9/41


asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected
350
300
250
200
150
100
100
110
120
130
140
Right In: 193.768+/-0.054 χ²/NDF: 1048095.1/15
Left Out: 233.756+/-0.100 χ²/NDF:127928.8/3
Right Out: 170.358+/-0.048 χ²/NDF: 1599025.1/17
Left In: 234.115+/-0.090 χ²/NDF:164303.9/3
Left: 233.954+/-0.067 χ²/NDF: 292239.9/7
Right: 180.791+/-0.036 χ²/NDF: 2751765.9/33
In: 204.436+/-0.046 χ²/NDF:1360670.1/19
Out: 182.451+/-0.043 χ²/NDF:2055456.4/21
All: 192.770+/-0.032 χ²/NDF: 3536232.7/41



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -1.270+/-6.455 χ^2/NDF:0.1/3

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -8.015+/-5.819 χ^2/NDF:3.8/3

Left: -4.991+/-4.322 χ^2/NDF: 4.5/7

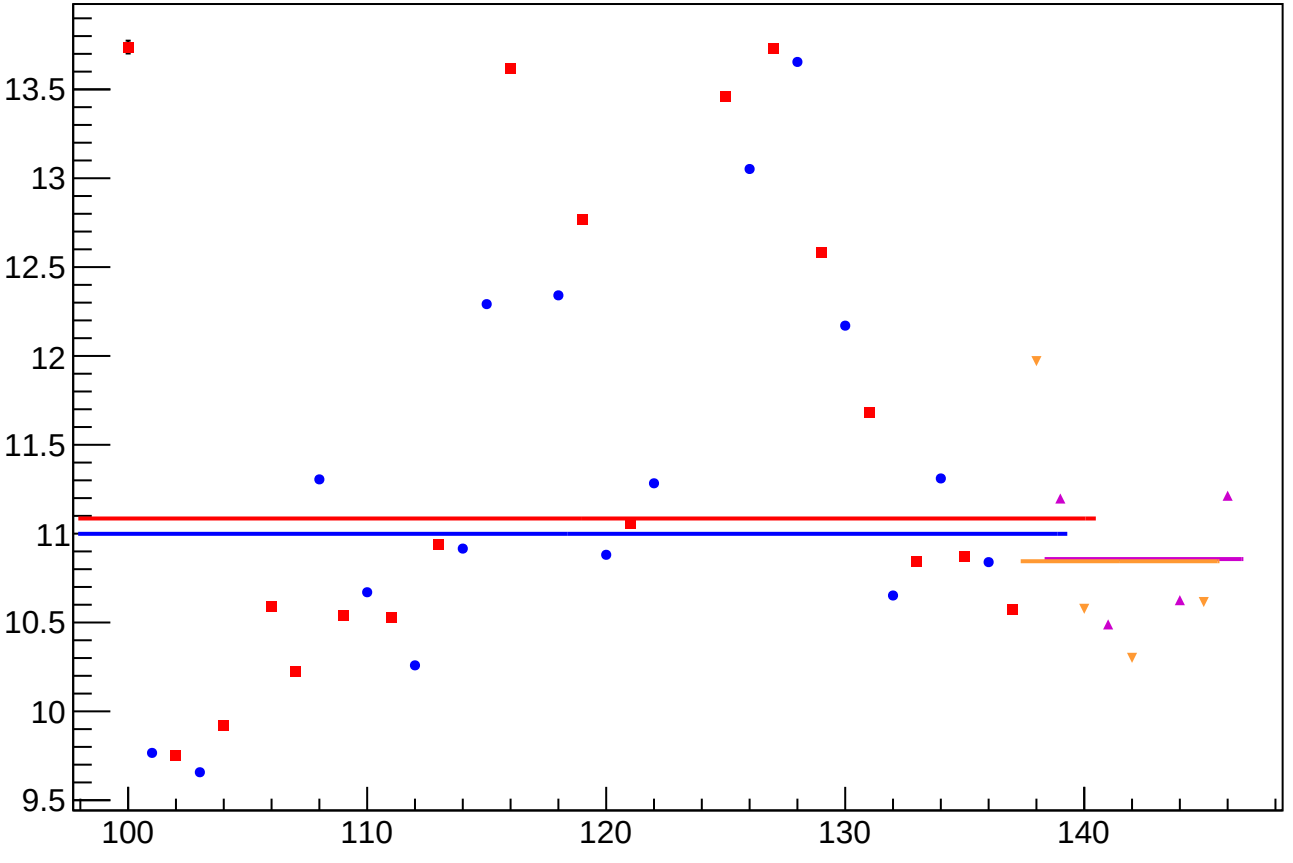
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -5.638+/-3.368 χ^2/NDF:16.1/19

Out: 7.872+/-3.483 χ^2/NDF:24.5/21

All: 0.891+/-2.421 χ^2/NDF: 48.4/41

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.845+/-0.005 χ^2/NDF:17548.7/3

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 10.857+/-0.004 χ^2/NDF:6326.7/3

Left: 10.852+/-0.003 χ^2/NDF: 23879.4/7

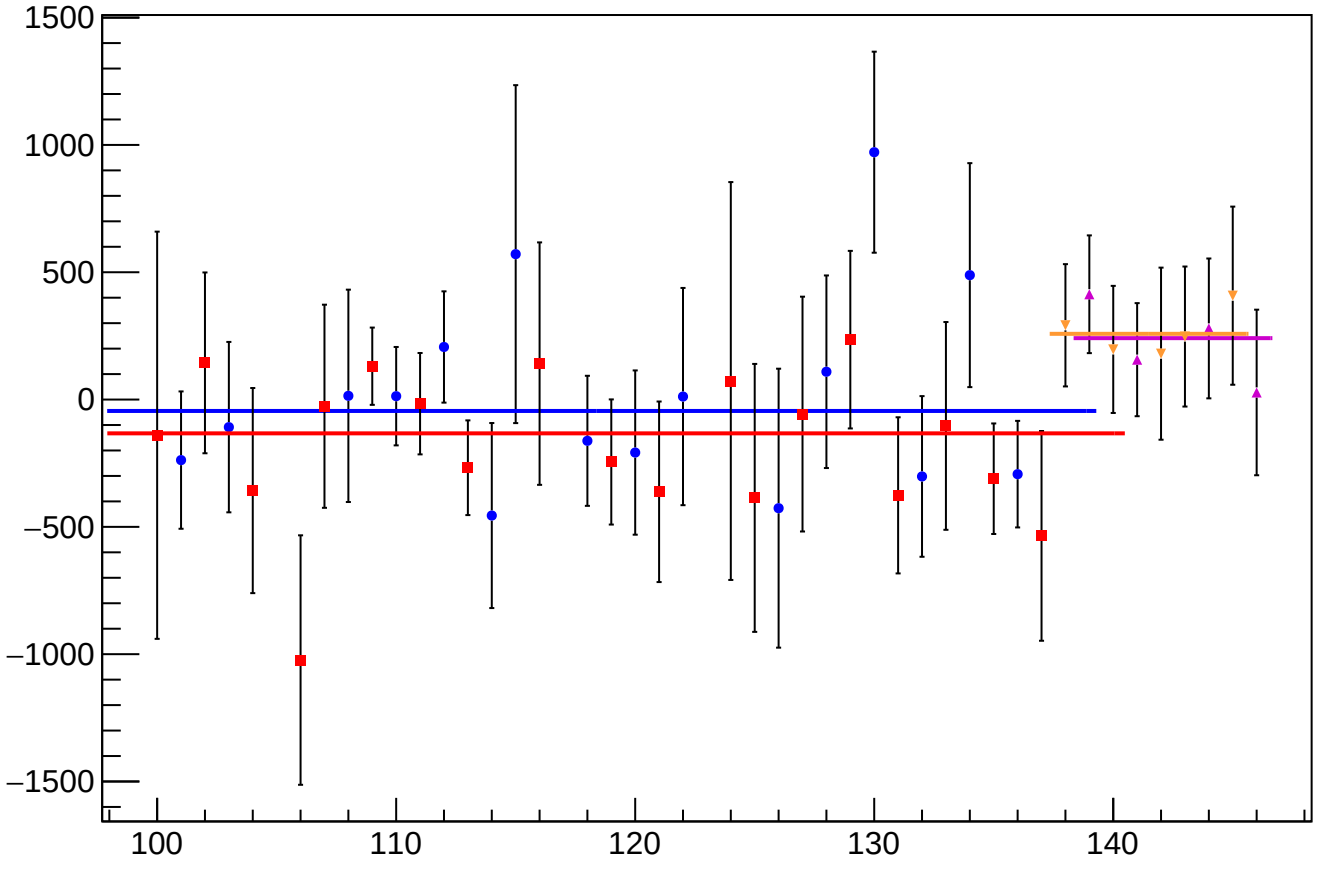
Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 10.951+/-0.002 χ^2/NDF:143278.5/19

Out: 11.015+/-0.002 χ^2/NDF:181721.9/21

All: 10.982+/-0.002 χ^2/NDF: 325347.6/41

asym_bcm_an_us_an_ds3_avg_mean vs Slug, Sign Corrected



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 258.130+/-125.440 χ^2/NDF:0.3/4

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 241.147+/-127.305 χ^2/NDF:1.2/3

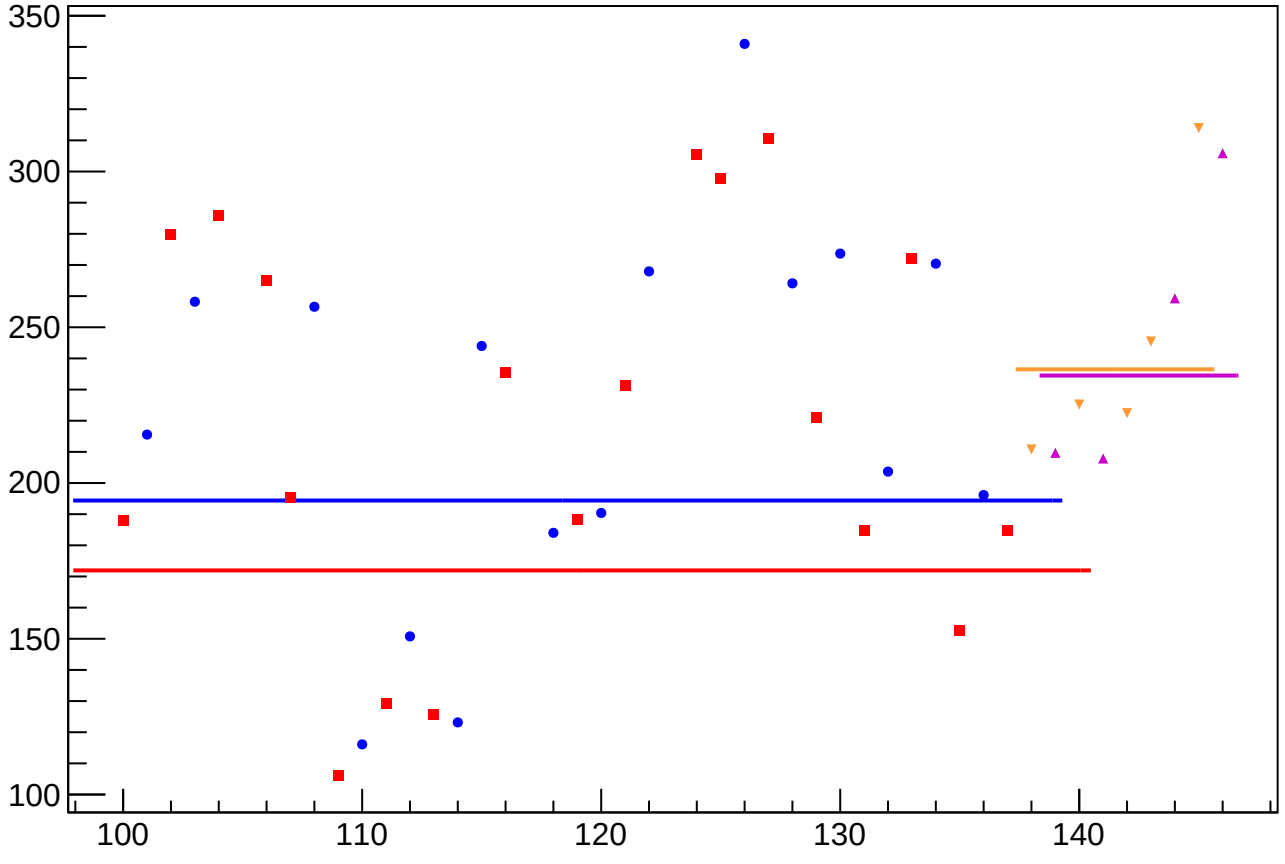
Left: 249.764+/-89.351 χ^2/NDF: 1.5/8

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 30.953+/-65.523 χ^2/NDF:20.3/19

Out: -43.413+/-59.964 χ^2/NDF:20.7/23

All: -9.518+/-44.236 χ^2/NDF: 41.6/43



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 236.504+/-0.089 χ^2/NDF:130628.1/4

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 234.502+/-0.090 χ^2/NDF:164464.3/3

Left: 235.518+/-0.063 χ^2/NDF: 295343.5/8

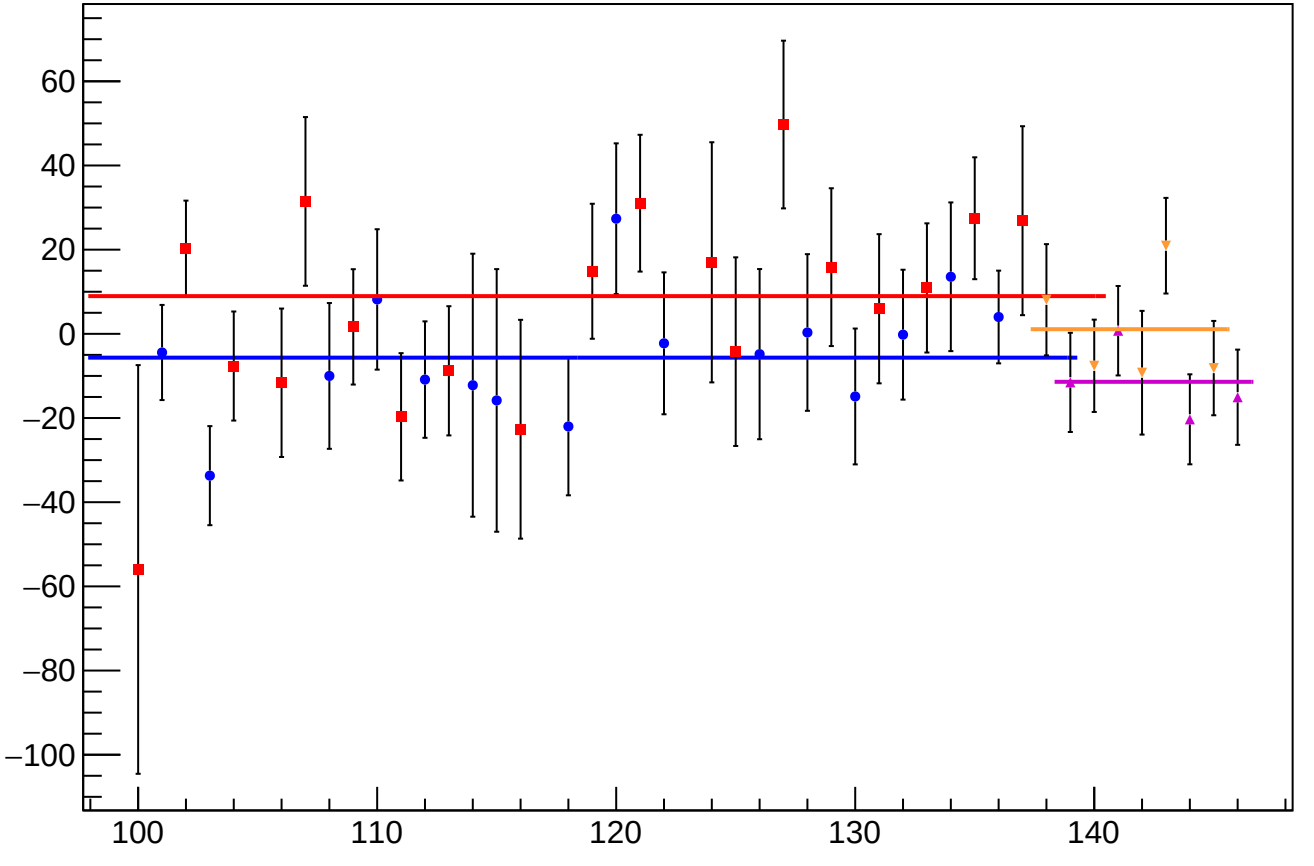
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 205.013+/-0.046 χ^2/NDF:1352480.9/19

Out: 186.701+/-0.042 χ^2/NDF:2190622.4/23

All: 195.047+/-0.031 χ^2/NDF: 3628114.5/43

asym_bcm_an_us_an_ds3_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.101+/-5.393 χ^2/NDF:5.1/4

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -11.397+/-5.537 χ^2/NDF:2.1/3

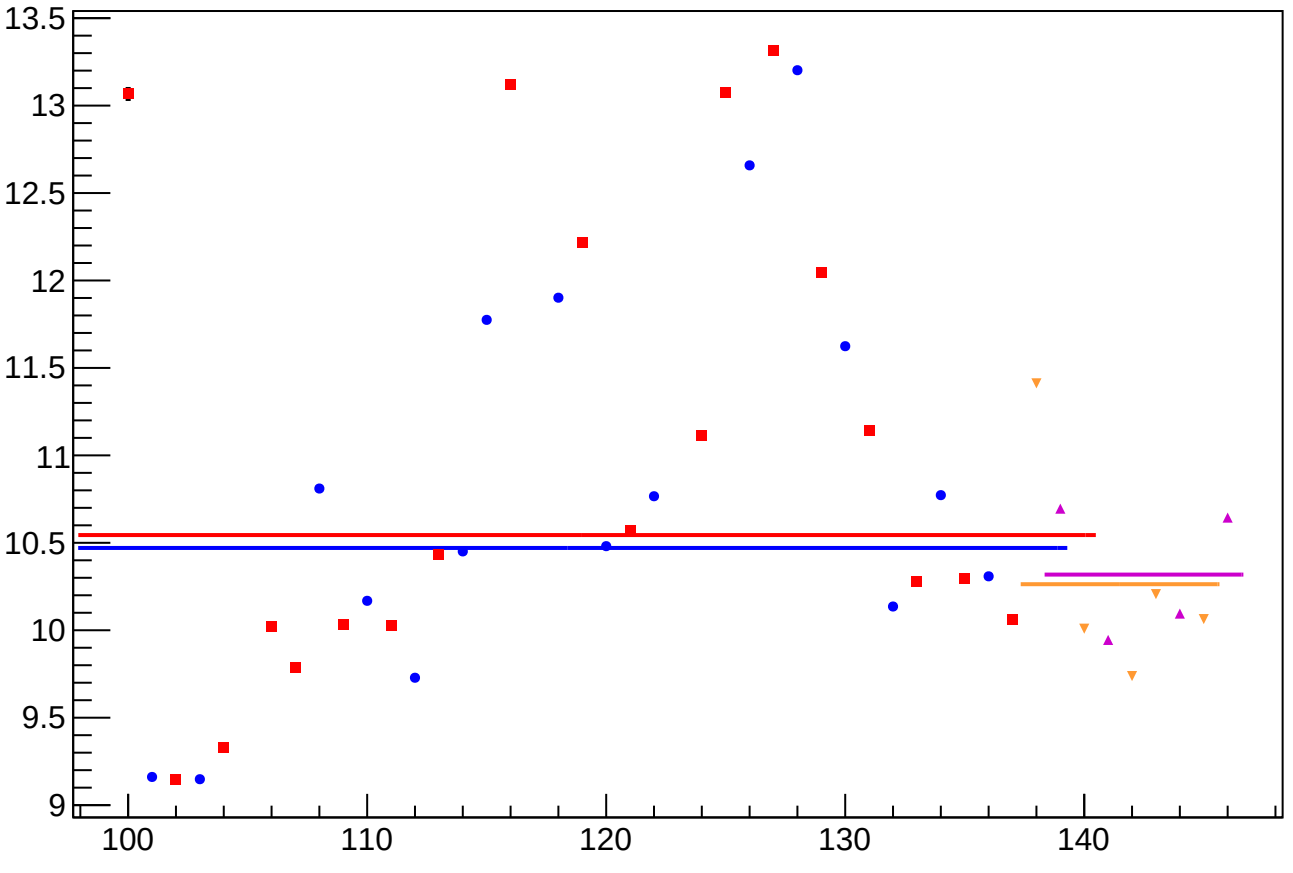
Left: -4.984+/-3.863 χ^2/NDF: 9.9/8

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -7.586+/-3.210 χ^2/NDF:16.5/19

Out: 6.261+/-3.161 χ^2/NDF:29.3/23

All: -0.556+/-2.252 χ^2/NDF: 55.3/43



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.263+/-0.004 χ^2/NDF:19419.0/4

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.318+/-0.004 χ^2/NDF:7048.1/3

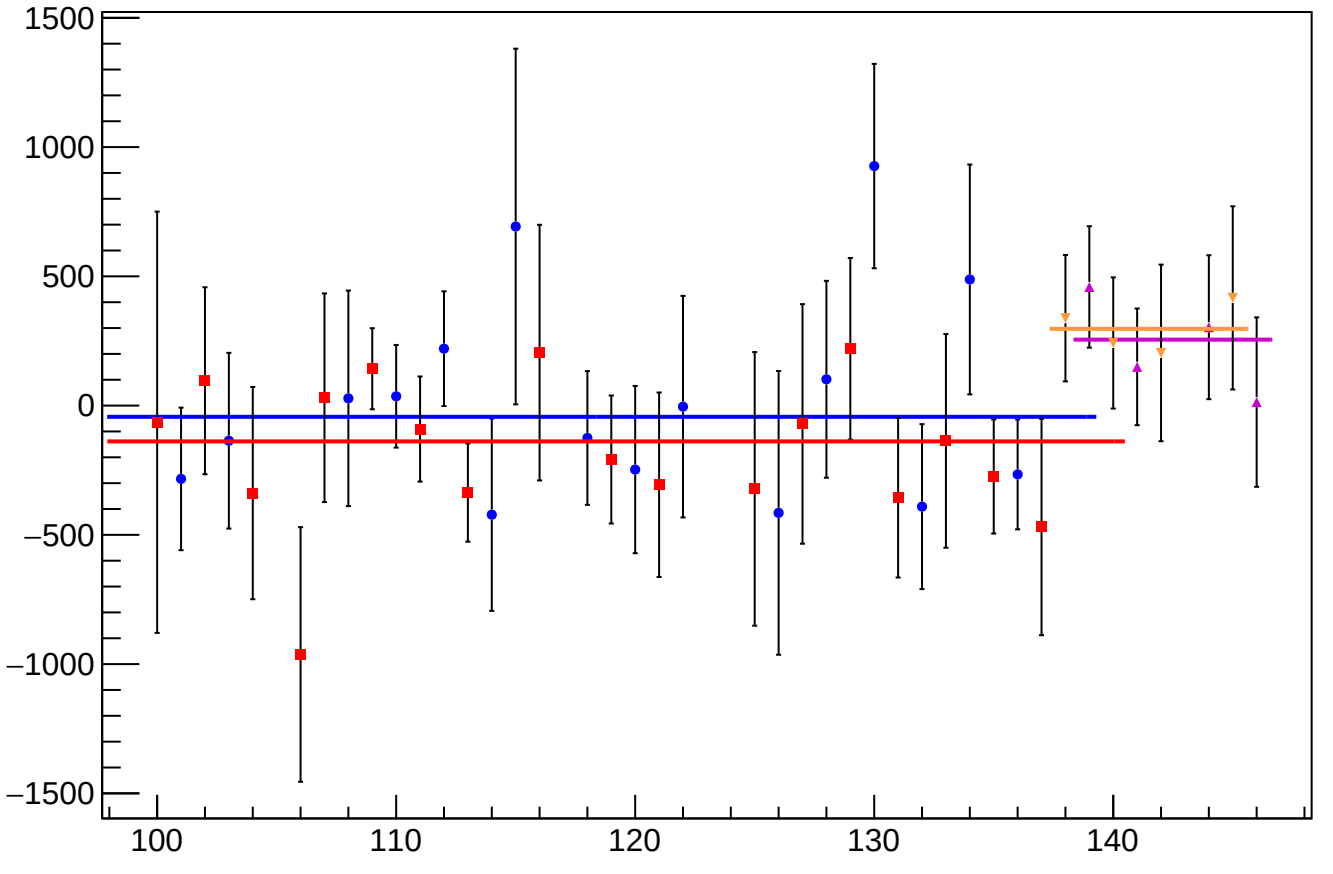
Left: 10.290+/-0.003 χ^2/NDF: 26568.3/8

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.419+/-0.002 χ^2/NDF:165418.3/19

Out: 10.448+/-0.002 χ^2/NDF:209764.6/23

All: 10.434+/-0.002 χ^2/NDF: 375262.5/43



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 296.888+/-143.166 χ^2/NDF:0.3/3

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 255.205+/-129.140 χ^2/NDF:1.5/3

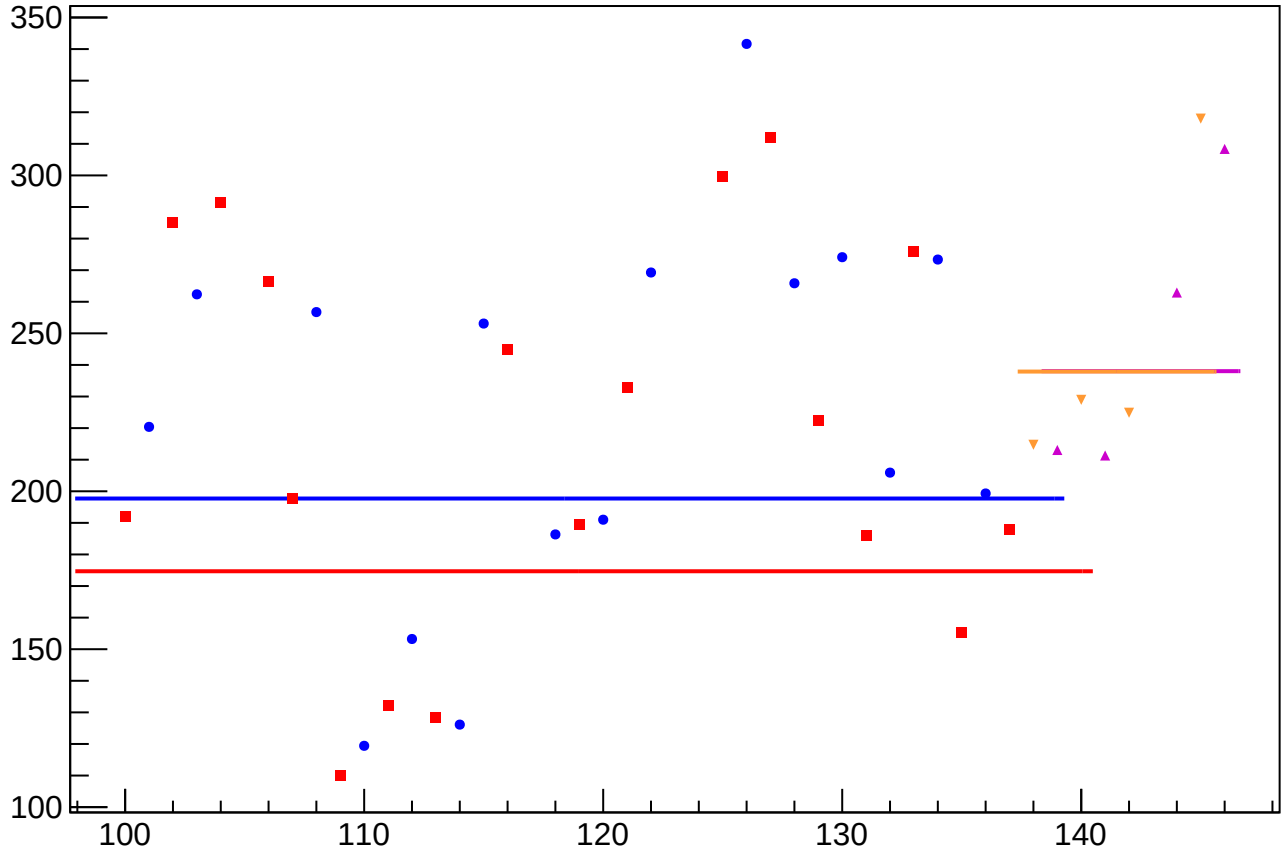
Left: 273.905+/-95.892 χ^2/NDF: 1.9/7

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 35.805+/-66.505 χ^2/NDF:20.9/19

Out: -54.783+/-62.764 χ^2/NDF:19.2/21

All: -12.108+/-45.646 χ^2/NDF: 41.1/41



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 237.900+/-0.101 χ^2/NDF:125566.3/3

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 238.028+/-0.091 χ^2/NDF:158730.0/3

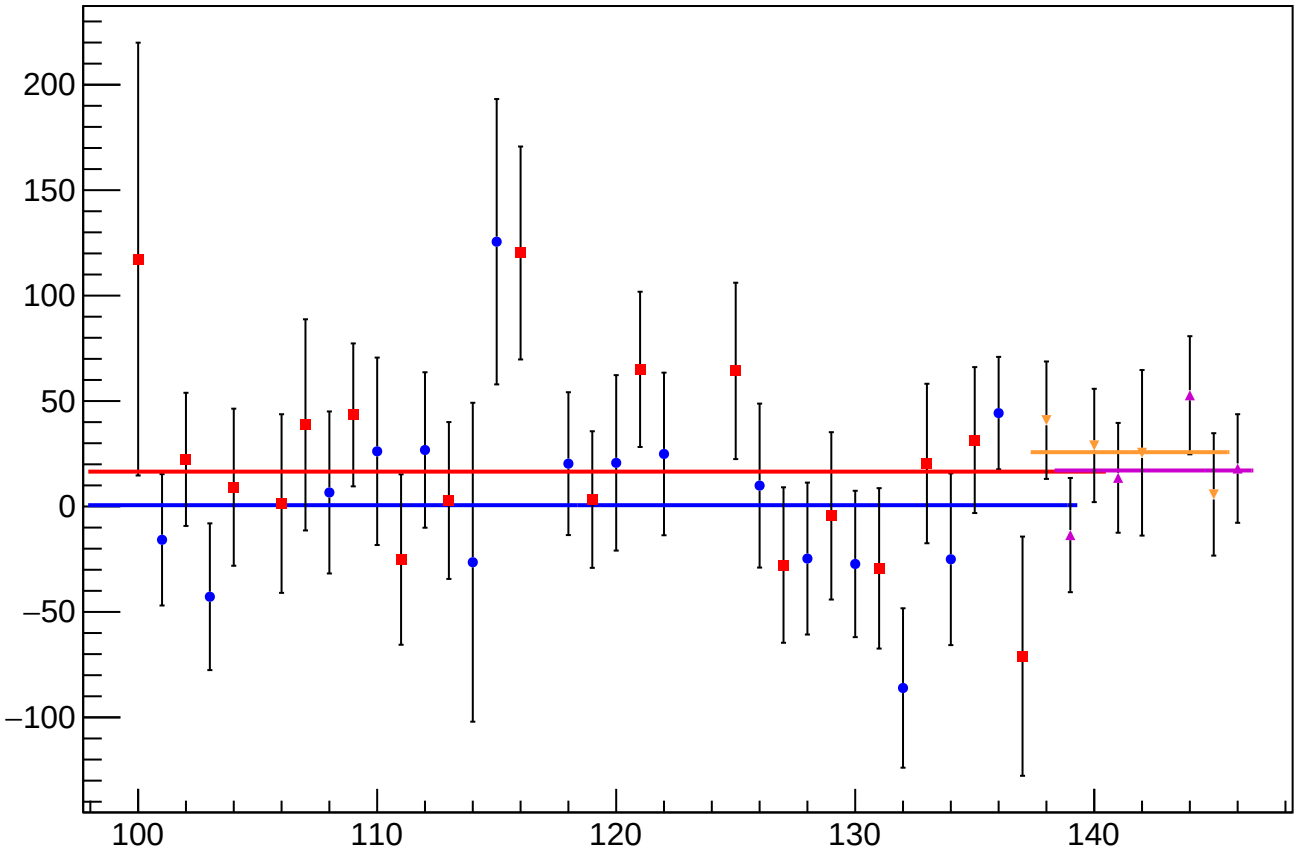
Left: 237.971+/-0.068 χ^2/NDF: 284297.1/7

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 208.401+/-0.047 χ^2/NDF:1302318.4/19

Out: 186.830+/-0.044 χ^2/NDF:1975365.2/21

All: 196.992+/-0.032 χ^2/NDF: 3388970.2/41



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 25.759+/-14.888 χ^2/NDF:0.8/3

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 17.076+/-13.338 χ^2/NDF:2.9/3

Left: 20.942+/-9.934 χ^2/NDF: 3.9/7

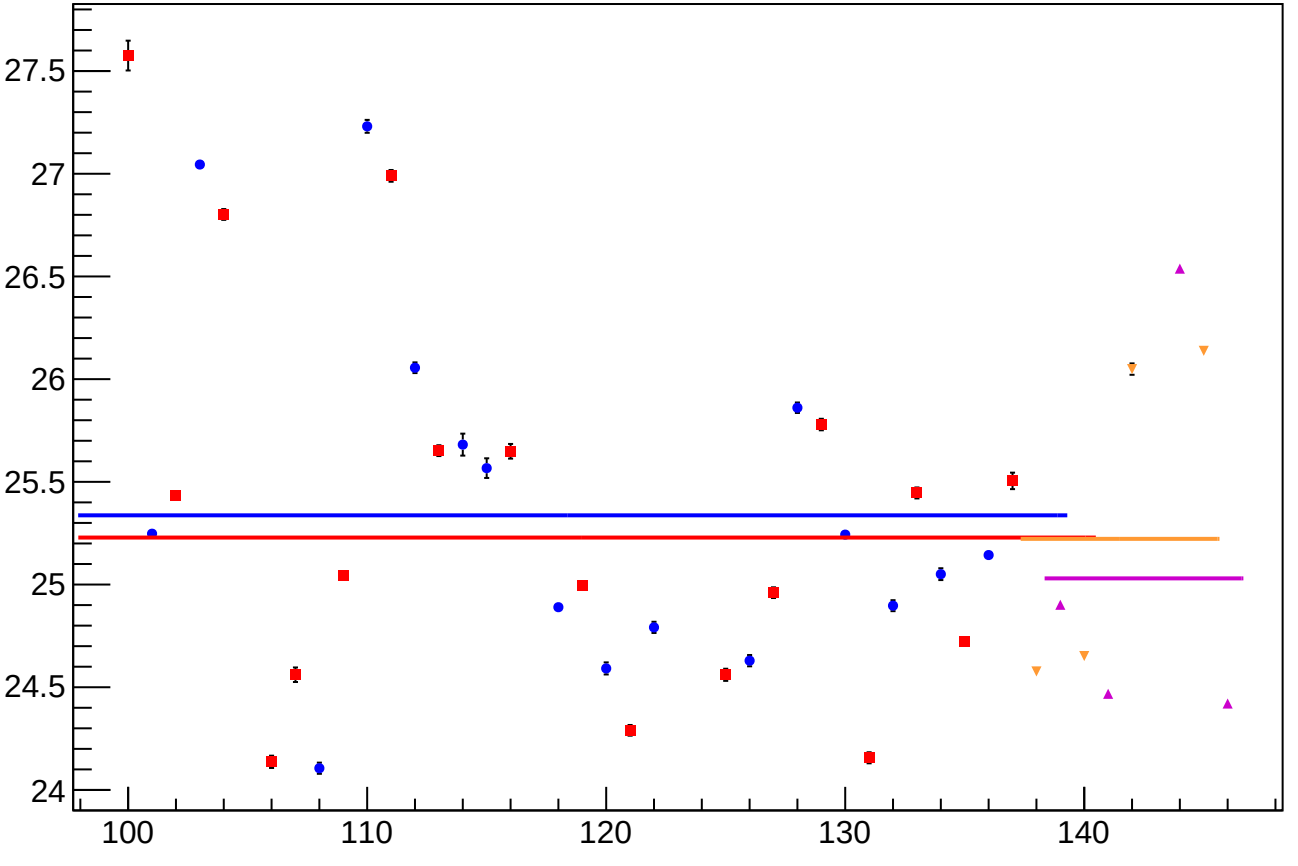
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 6.097+/-7.695 χ^2/NDF:20.7/19

Out: 19.126+/-7.892 χ^2/NDF:17.4/21

All: 12.447+/-5.510 χ^2/NDF: 39.5/41

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.222+/-0.011 χ^2/NDF:4853.2/3

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.030+/-0.009 χ^2/NDF:7894.4/3

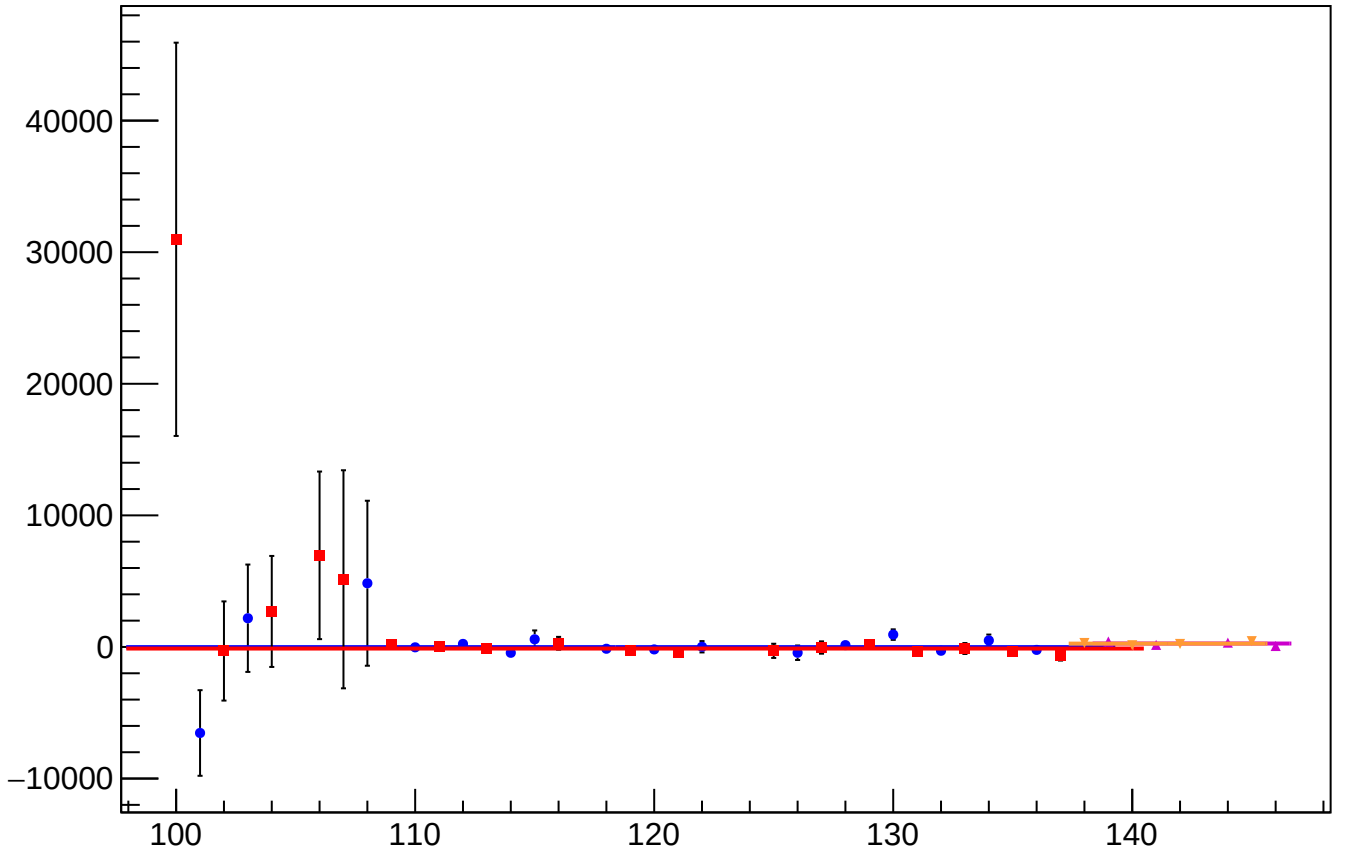
Left: 25.116+/-0.007 χ^2/NDF: 12933.0/7

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.235+/-0.005 χ^2/NDF:22916.4/19

Out: 25.227+/-0.006 χ^2/NDF:20029.5/21

All: 25.231+/-0.004 χ^2/NDF: 42946.9/41



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 253.417+/-142.033 χ^2/NDF:0.6/3

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 261.152+/-128.794 χ^2/NDF:1.0/3

Left: 257.662+/-95.409 χ^2/NDF: 1.6/7

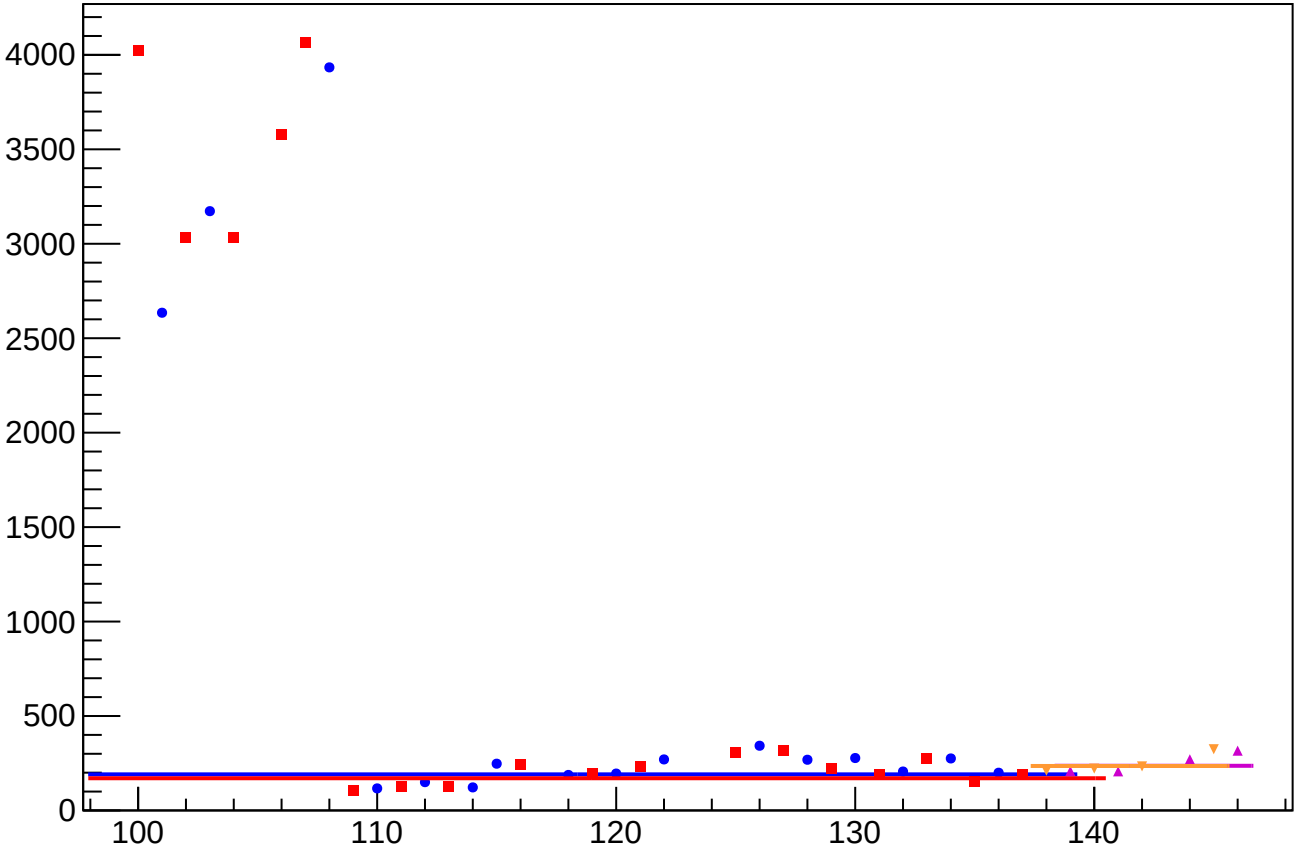
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 69.322+/-70.625 χ^2/NDF:22.5/19

Out: -33.043+/-68.535 χ^2/NDF:20.3/21

All: 16.603+/-49.184 χ^2/NDF: 43.9/41

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 235.464+/-0.100 χ^2/NDF:148843.9/3

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 236.461+/-0.091 χ^2/NDF:206846.3/3

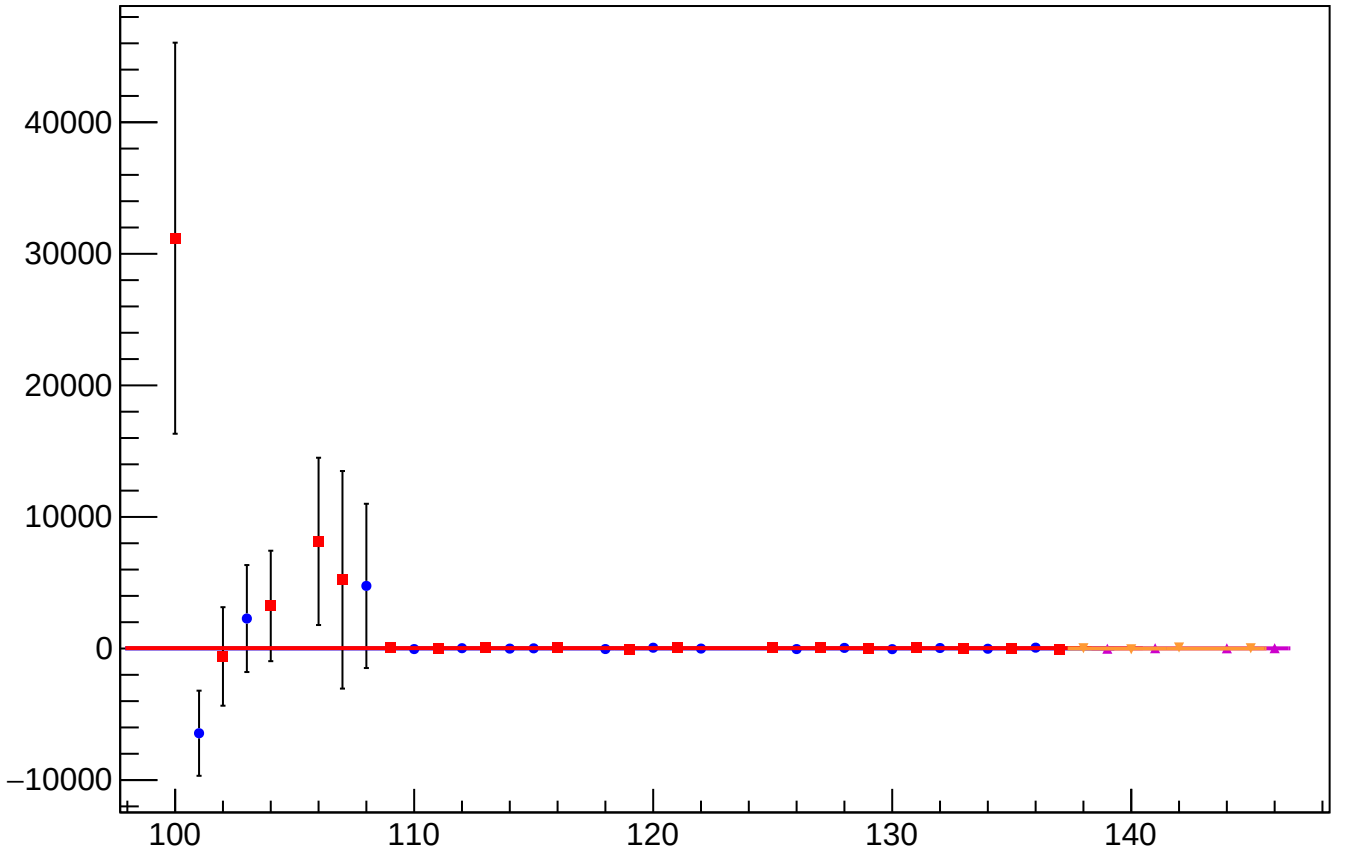
Left: 236.011+/-0.067 χ^2/NDF: 355744.2/7

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 204.718+/-0.050 χ^2/NDF:4214517.9/19

Out: 185.621+/-0.048 χ^2/NDF:4724714.1/21

All: 194.883+/-0.035 χ^2/NDF: 9014547.5/41



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 3.168+/-17.210 χ^2/NDF:7.3/3

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 12.373+/-15.601 χ^2/NDF:1.1/3

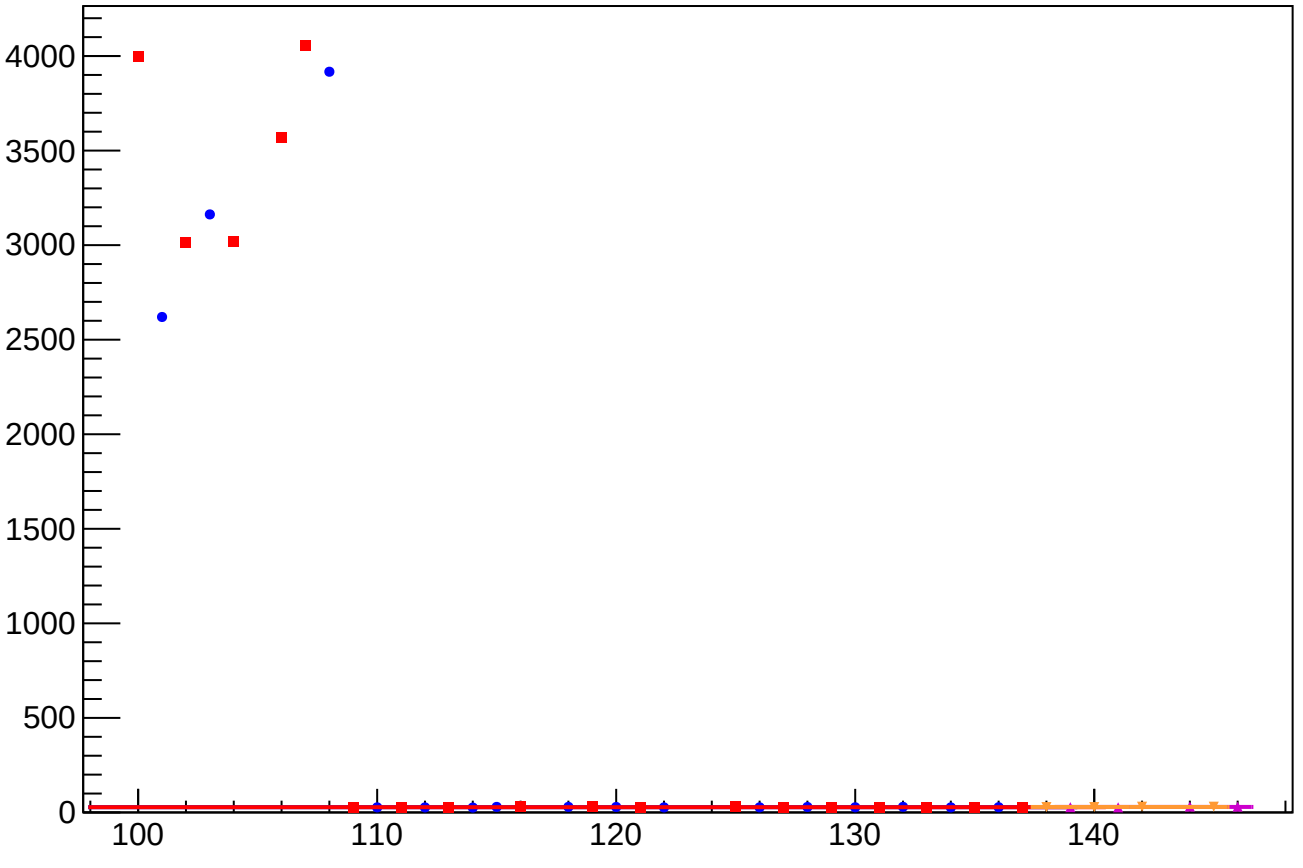
Left: 8.221+/-11.559 χ^2/NDF: 8.6/7

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 8.623+/-9.393 χ^2/NDF:19.5/19

Out: 21.635+/-9.890 χ^2/NDF:28.8/21

All: 14.794+/-6.811 χ^2/NDF: 49.3/41



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.055+/-0.012 χ^2/NDF:6862.8/3

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.212+/-0.011 χ^2/NDF:24997.6/3

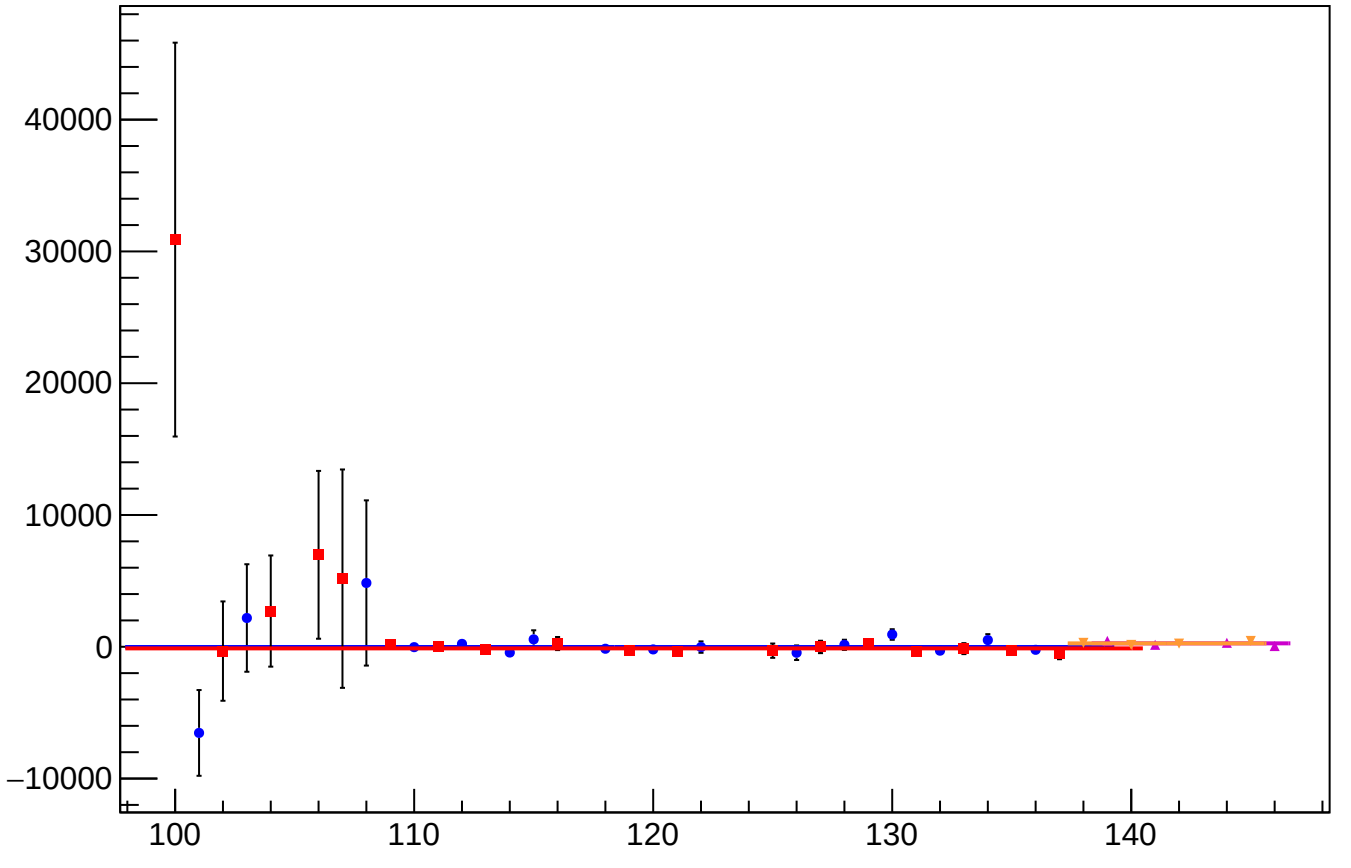
Left: 29.141+/-0.008 χ^2/NDF: 31952.5/7

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.328+/-0.007 χ^2/NDF:3300976.0/19

Out: 28.200+/-0.007 χ^2/NDF:3572629.7/21

All: 28.267+/-0.005 χ^2/NDF: 6873782.0/41



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 257.208+/-142.748 χ^2/NDF:0.5/3

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 260.272+/-129.456 χ^2/NDF:1.3/3

Left: 258.889+/-95.895 χ^2/NDF: 1.8/7

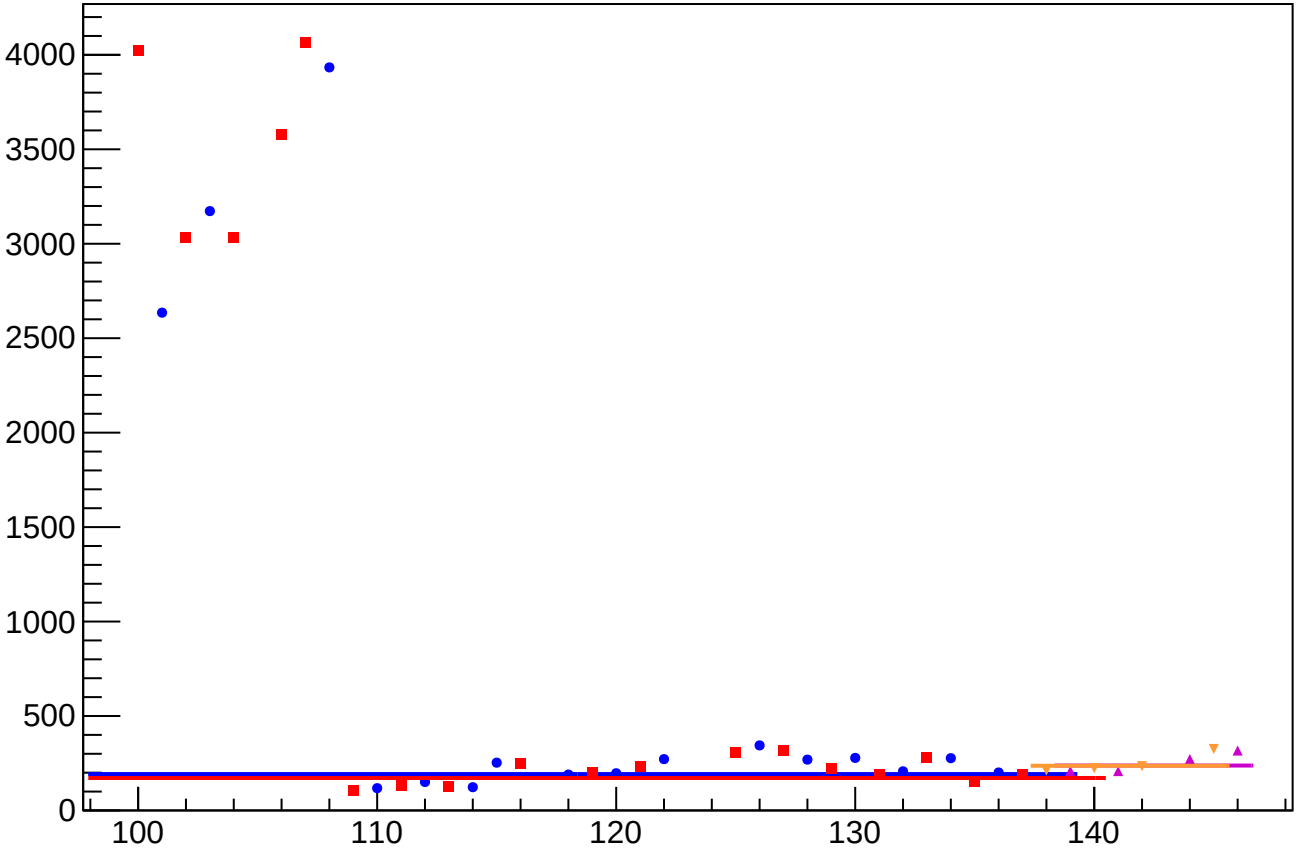
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 64.852+/-71.089 χ^2/NDF:22.7/19

Out: -33.008+/-69.016 χ^2/NDF:19.2/21

All: 14.474+/-49.519 χ^2/NDF: 42.8/41

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 236.666+/-0.101 χ^2/NDF:148314.0/3

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 237.732+/-0.092 χ^2/NDF:204252.9/3

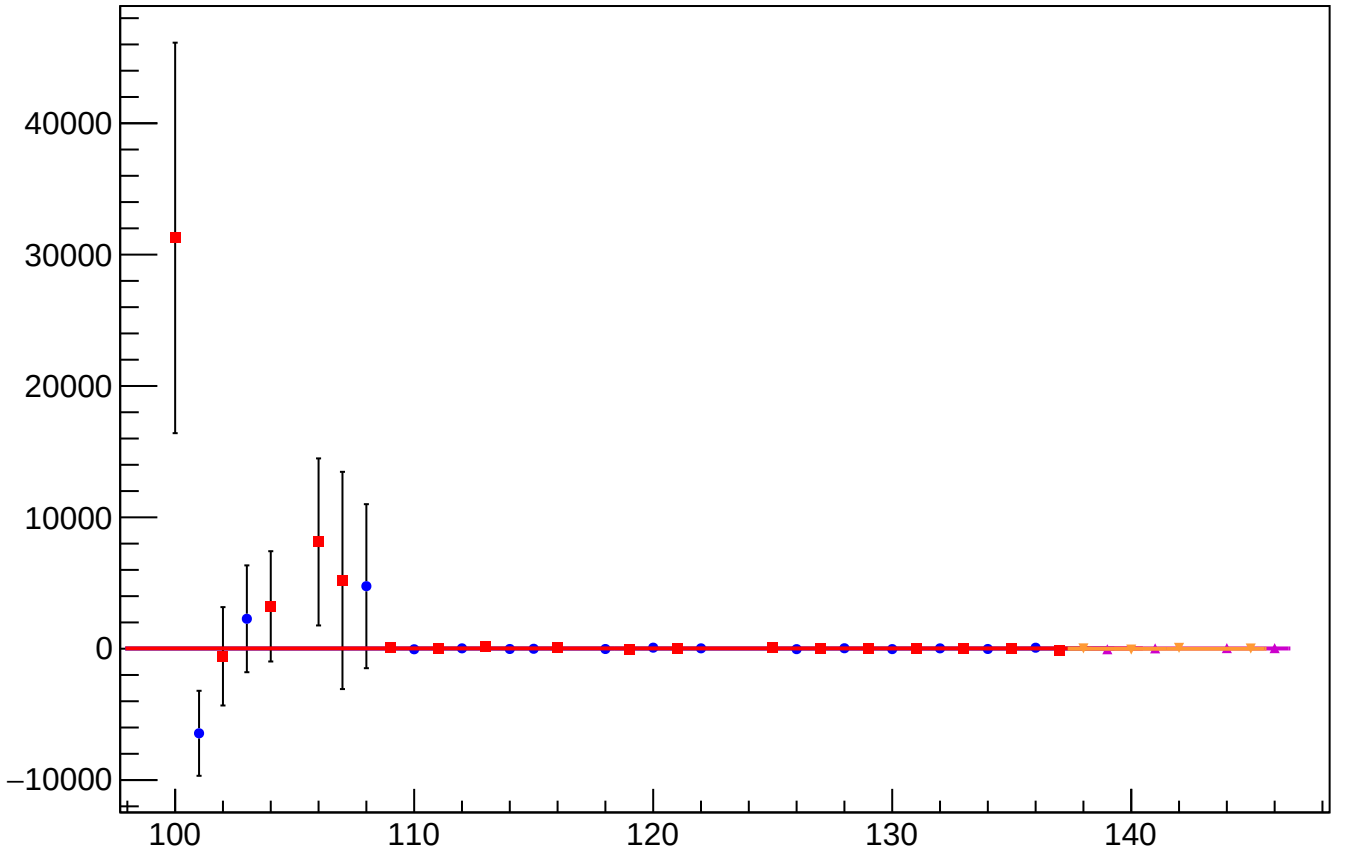
Left: 237.251+/-0.068 χ^2/NDF: 352628.2/7

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 206.182+/-0.050 χ^2/NDF:4197120.5/19

Out: 187.038+/-0.049 χ^2/NDF:4711591.6/21

All: 196.327+/-0.035 χ^2/NDF: 8983372.9/41



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -1.486+/-18.855 χ^2/NDF:6.1/3

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 18.422+/-16.965 χ^2/NDF:4.3/3

Left: 9.516+/-12.612 χ^2/NDF: 11.0/7

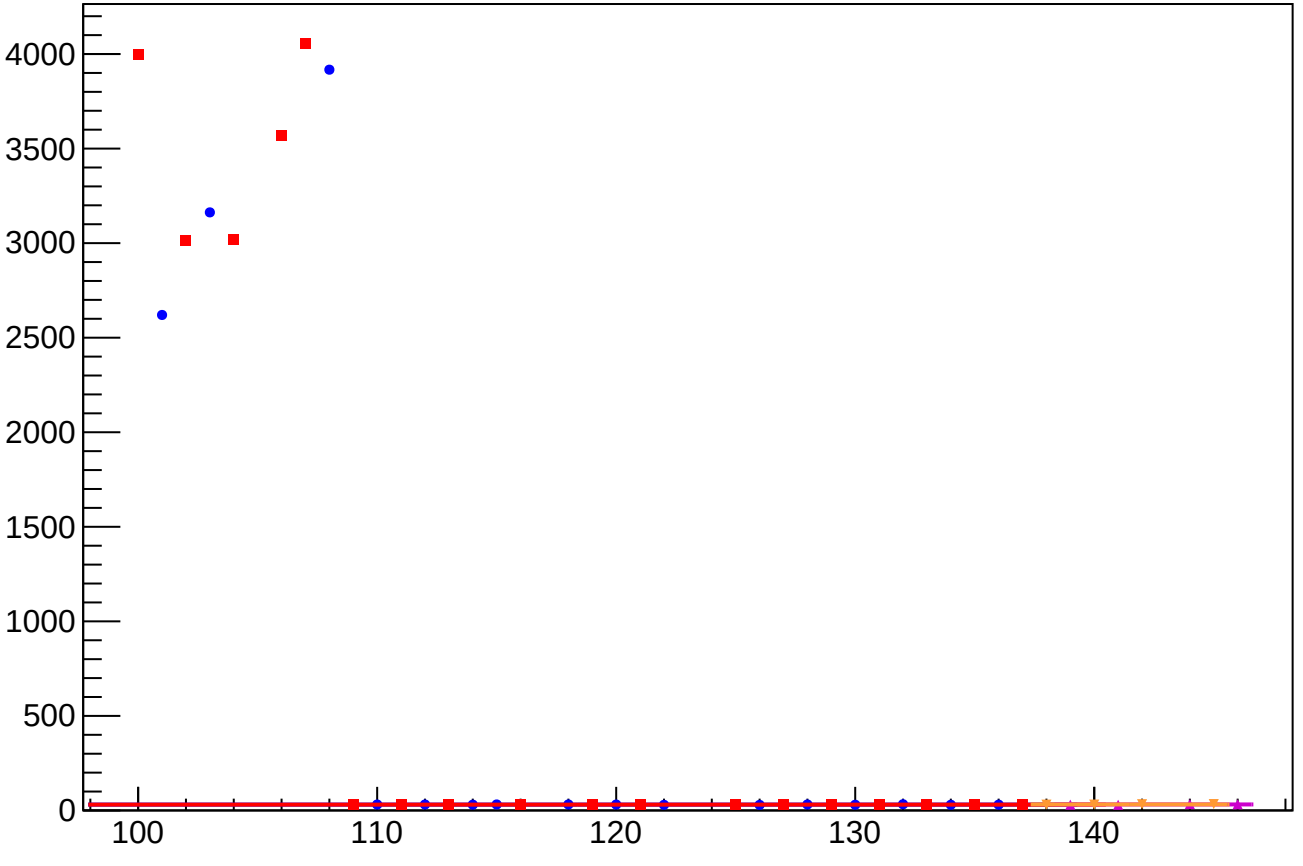
Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 15.466+/-10.350 χ^2/NDF:19.8/19

Out: 14.070+/-10.913 χ^2/NDF:35.5/21

All: 14.805+/-7.510 χ^2/NDF: 55.3/41

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.855+/-0.013 χ^2/NDF:8941.6/3

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.803+/-0.012 χ^2/NDF:17552.1/3

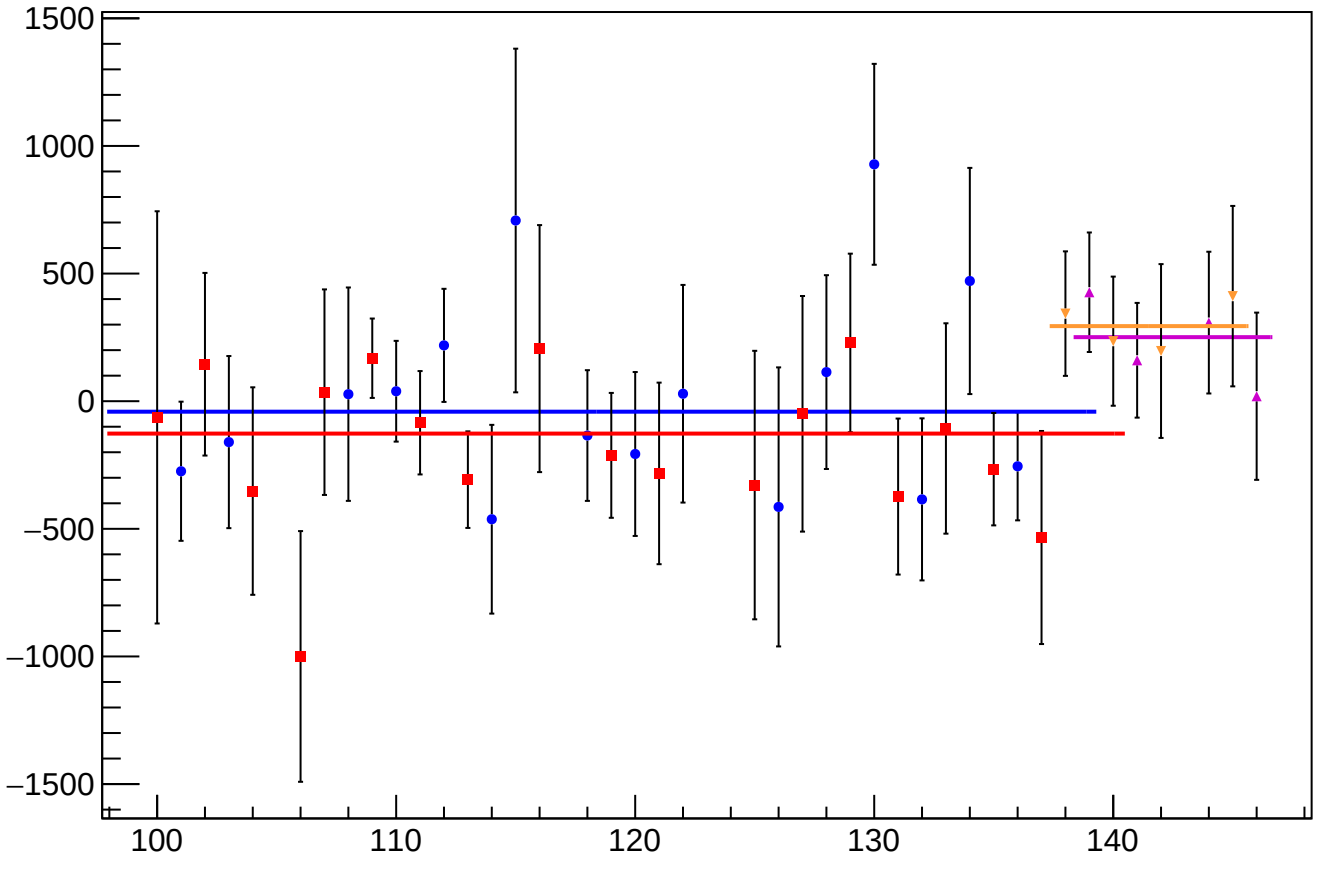
Left: 31.826+/-0.009 χ^2/NDF: 26501.9/7

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.254+/-0.007 χ^2/NDF:3273500.7/19

Out: 31.156+/-0.008 χ^2/NDF:3549032.1/21

All: 31.208+/-0.005 χ^2/NDF: 6822617.7/41



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 294.128+/-142.755 χ^2/NDF:0.3/3

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 250.890+/-128.736 χ^2/NDF:1.3/3

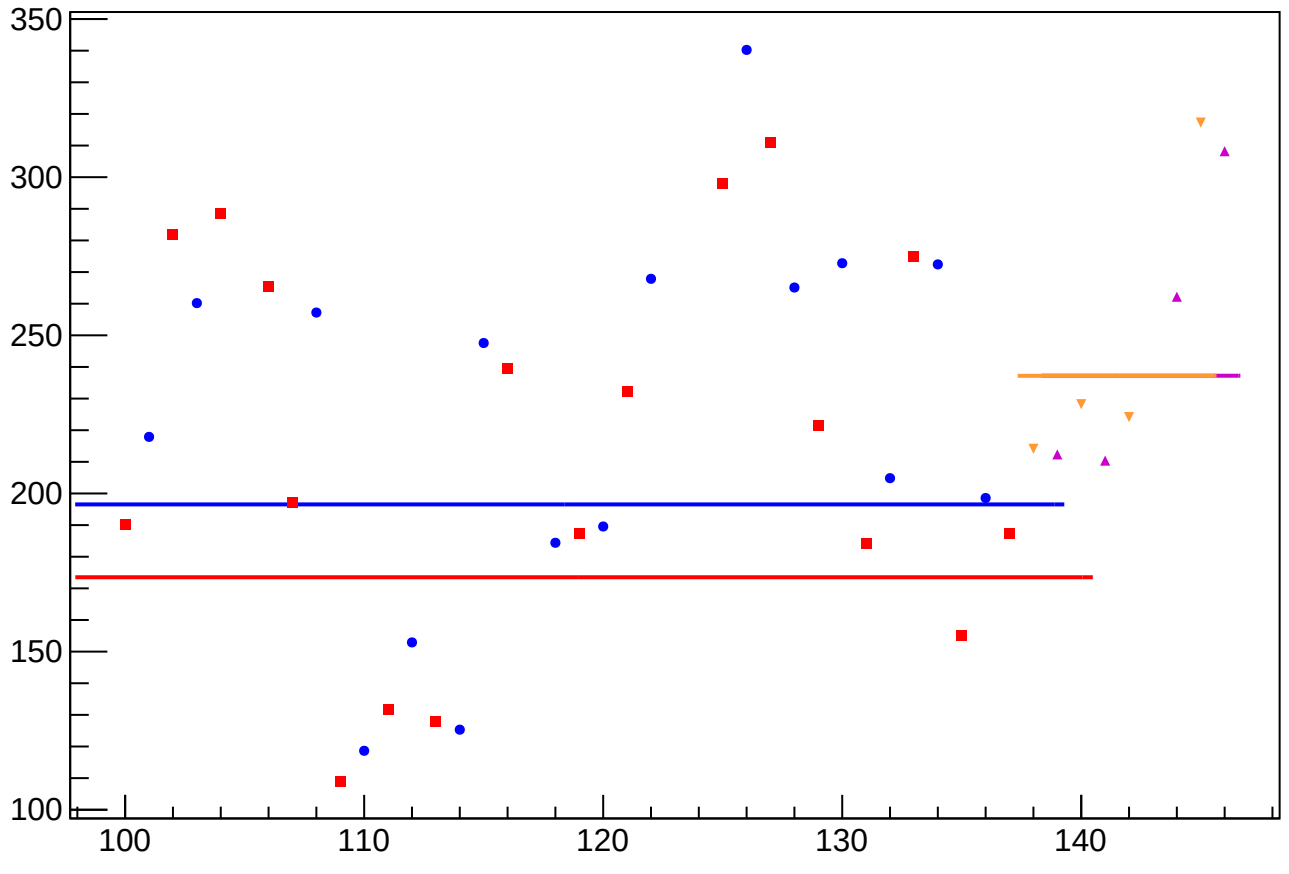
Left: 270.282+/-95.603 χ^2/NDF: 1.6/7

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 36.030+/-66.169 χ^2/NDF:20.7/19

Out: -46.445+/-62.402 χ^2/NDF:20.1/21

All: -7.622+/-45.399 χ^2/NDF: 41.6/41



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 237.202+/-0.101 χ^2/NDF:125947.8/3

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 237.231+/-0.091 χ^2/NDF:161236.9/3

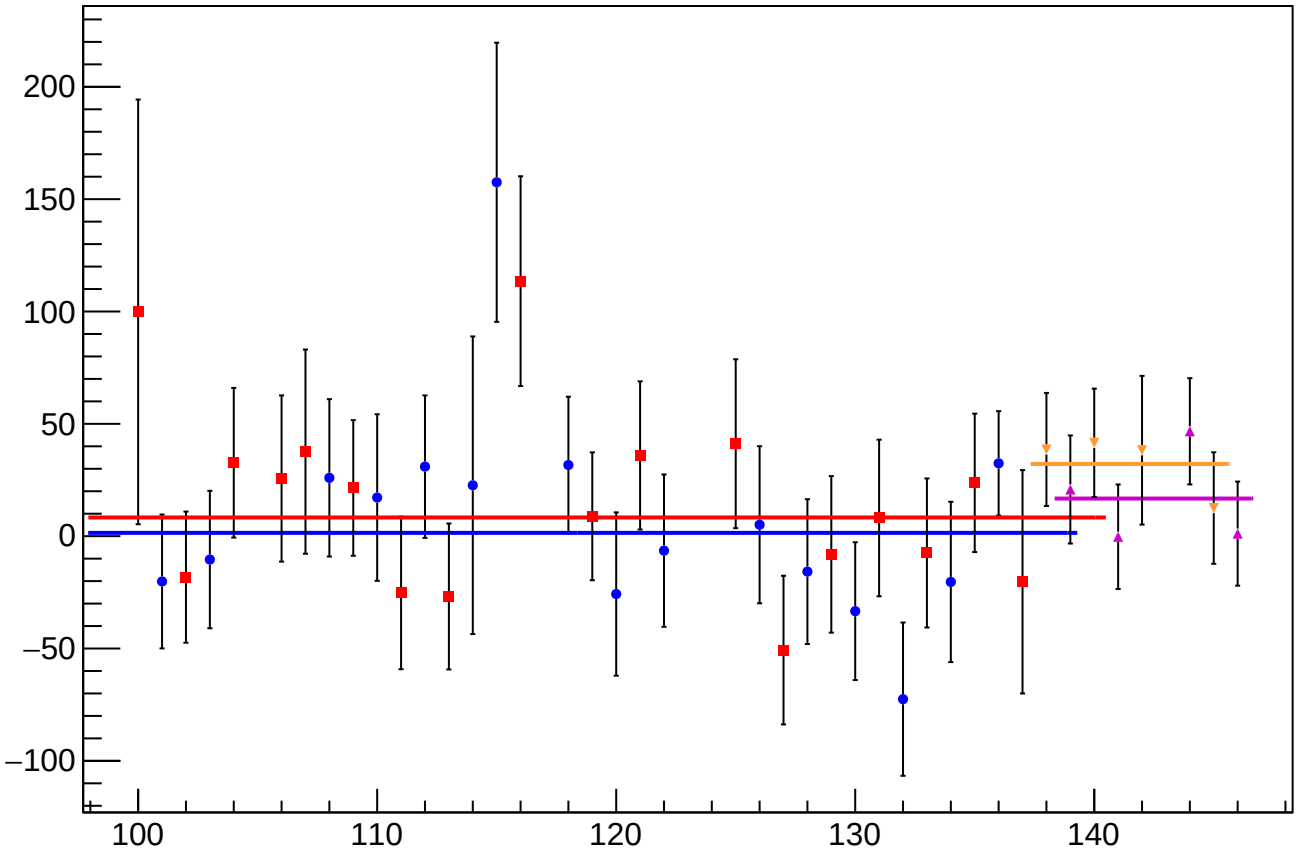
Left: 237.218+/-0.068 χ^2/NDF: 287184.7/7

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 207.292+/-0.047 χ^2/NDF:1309015.5/19

Out: 185.680+/-0.044 χ^2/NDF:1980723.3/21

All: 195.853+/-0.032 χ^2/NDF: 3402660.6/41



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 32.154+/-13.092 χ^2/NDF:0.9/3

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 16.748+/-11.763 χ^2/NDF:2.6/3

Left: 23.629+/-8.750 χ^2/NDF: 4.3/7

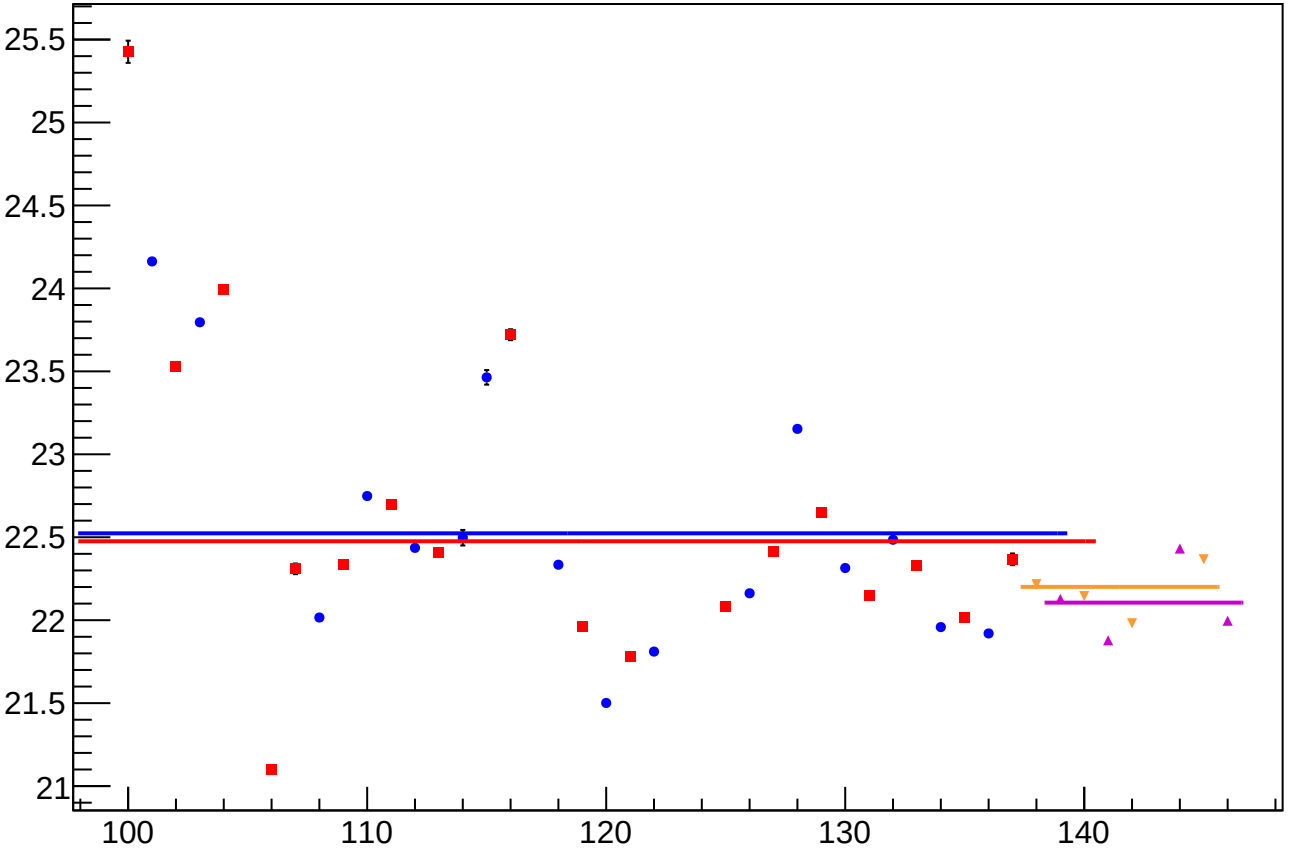
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 6.609+/-6.820 χ^2/NDF:22.4/19

Out: 15.143+/-7.001 χ^2/NDF:19.3/21

All: 10.764+/-4.885 χ^2/NDF: 42.4/41

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: 22.201+/-0.009 χ^2/NDF:189.1/3

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.106+/-0.008 χ^2/NDF:616.6/3

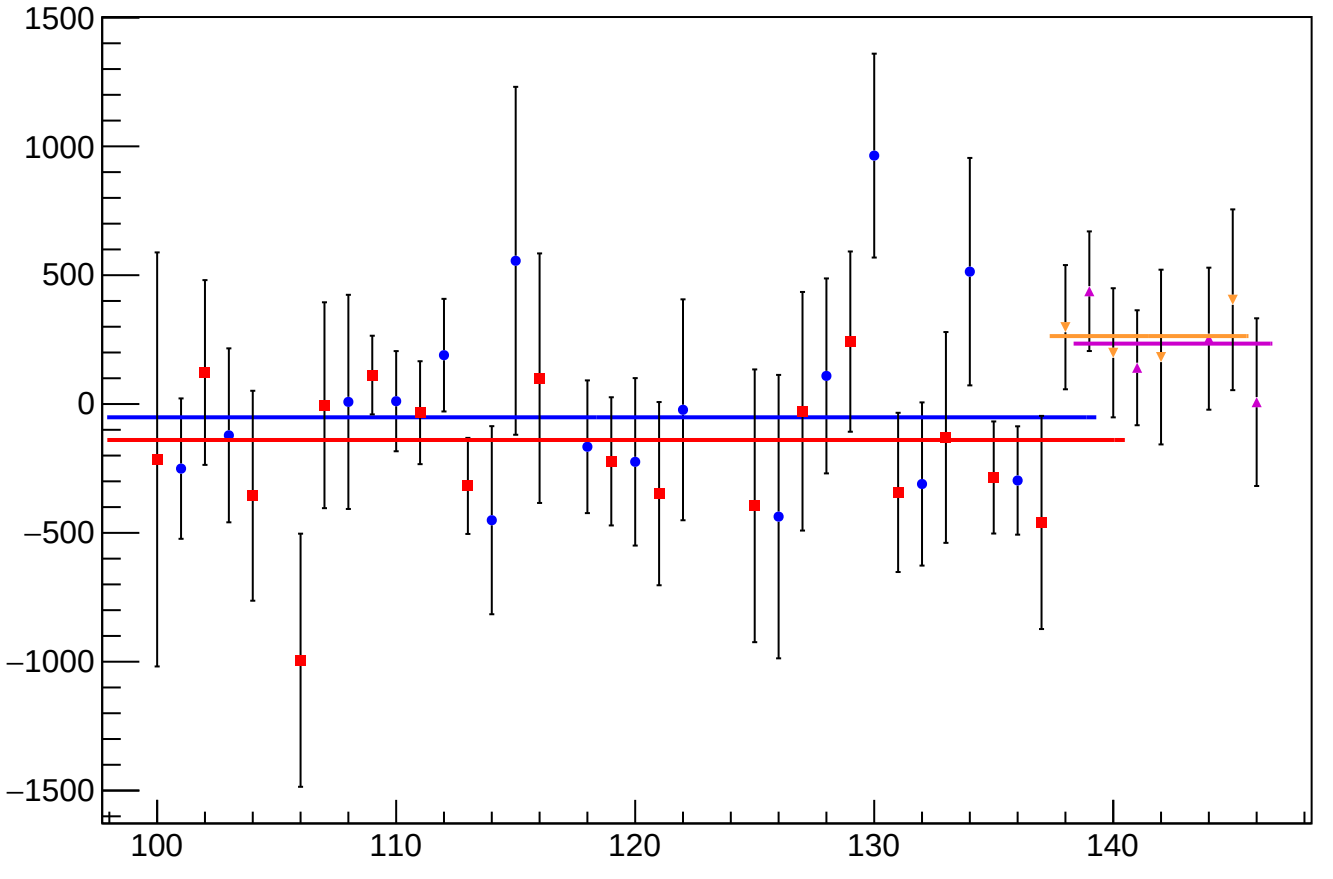
Left: 22.148+/-0.006 χ^2/NDF: 863.8/7

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.383+/-0.005 χ^2/NDF:18238.7/19

Out: 22.397+/-0.005 χ^2/NDF:16355.5/21

All: 22.390+/-0.003 χ^2/NDF: 34598.2/41



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 263.675+/-141.466 χ^2/NDF:0.3/3

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 234.435+/-127.769 χ^2/NDF:1.4/3

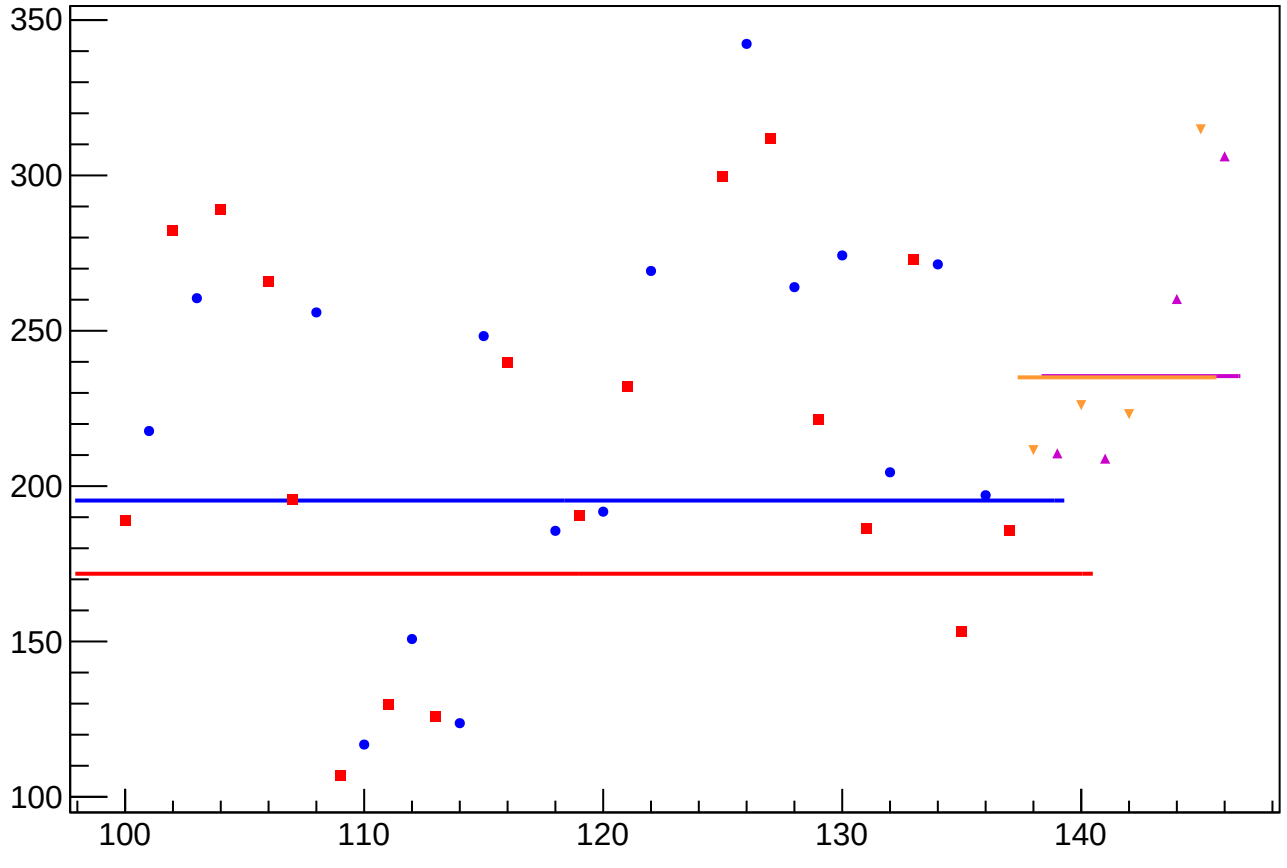
Left: 247.571+/-94.820 χ^2/NDF: 1.8/7

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 24.393+/-65.823 χ^2/NDF:20.5/19

Out: -62.257+/-61.935 χ^2/NDF:18.4/21

All: -21.566+/-45.106 χ^2/NDF: 39.8/41



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 235.007+/-0.100 χ^2/NDF:127450.4/3

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 235.413+/-0.090 χ^2/NDF:161972.0/3

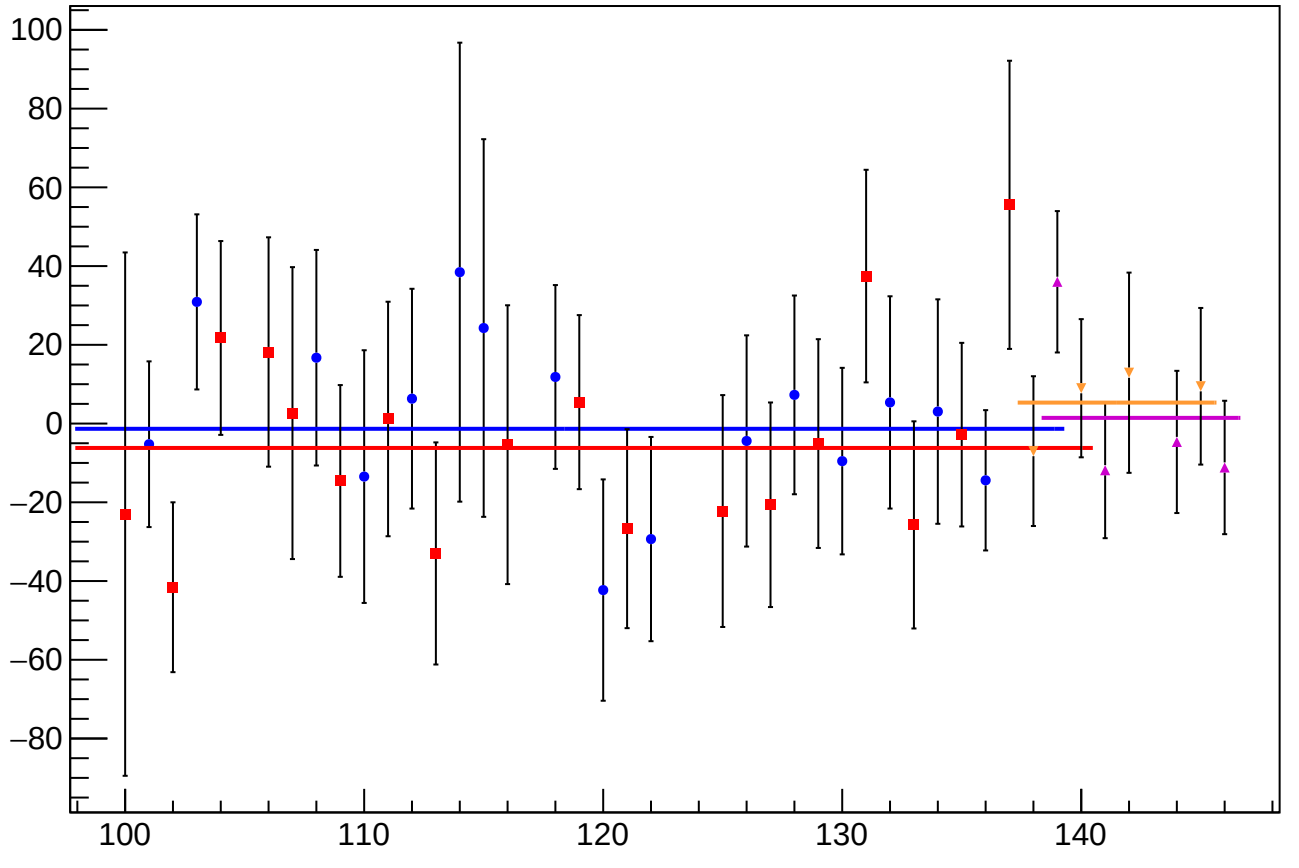
Left: 235.231+/-0.067 χ^2/NDF: 289431.5/7

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 205.991+/-0.047 χ^2/NDF:1347778.4/19

Out: 183.919+/-0.044 χ^2/NDF:2050796.1/21

All: 194.284+/-0.032 χ^2/NDF: 3517848.1/41



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 5.325+/-9.959 χ^2/NDF:0.6/3

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 1.444+/-8.769 χ^2/NDF:5.0/3

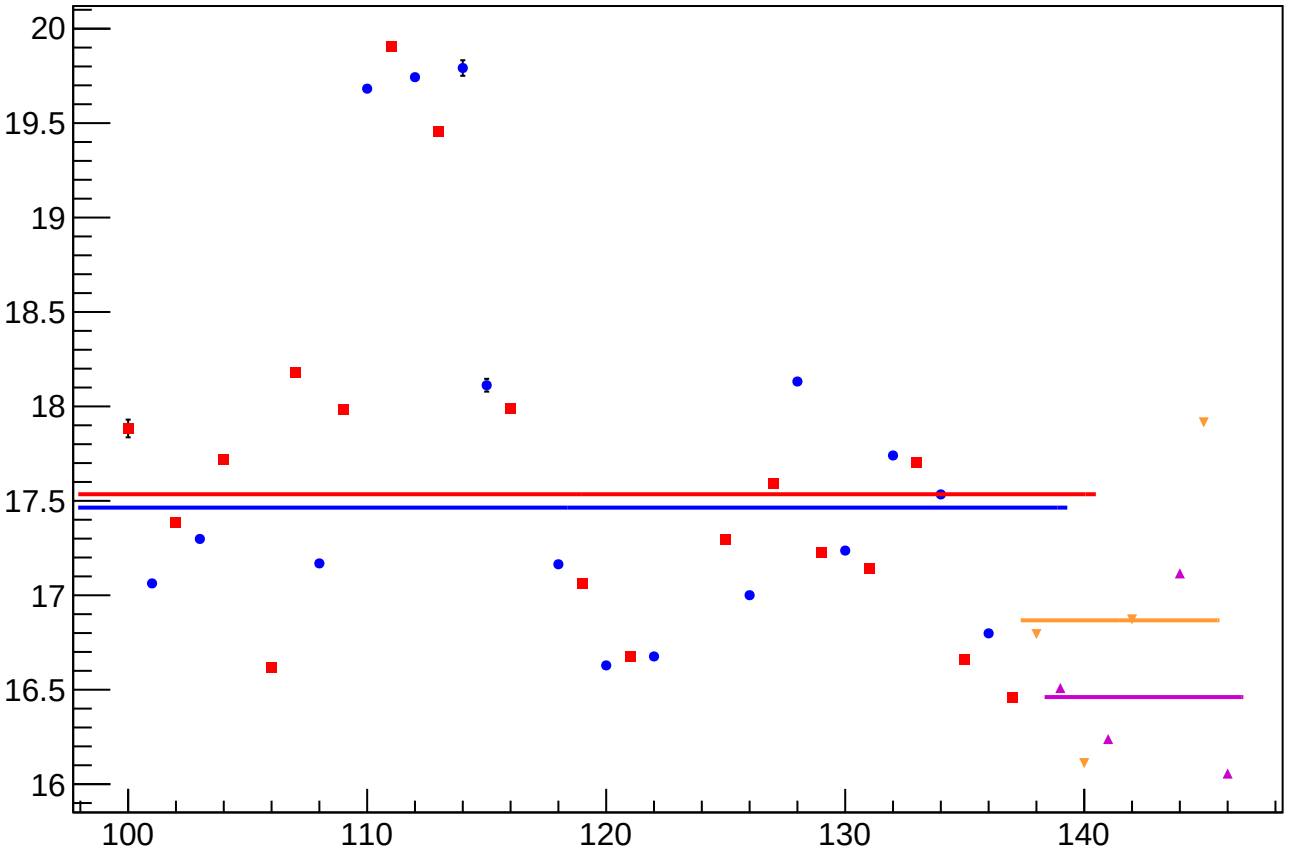
Left: 3.139+/-6.581 χ^2/NDF: 5.6/7

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: -0.347+/-5.221 χ^2/NDF:13.1/19

Out: -2.774+/-5.427 χ^2/NDF:15.0/21

All: -1.514+/-3.763 χ^2/NDF: 28.1/41



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.867+/-0.007 χ^2/NDF:9291.6/3

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.461+/-0.006 χ^2/NDF:4117.9/3

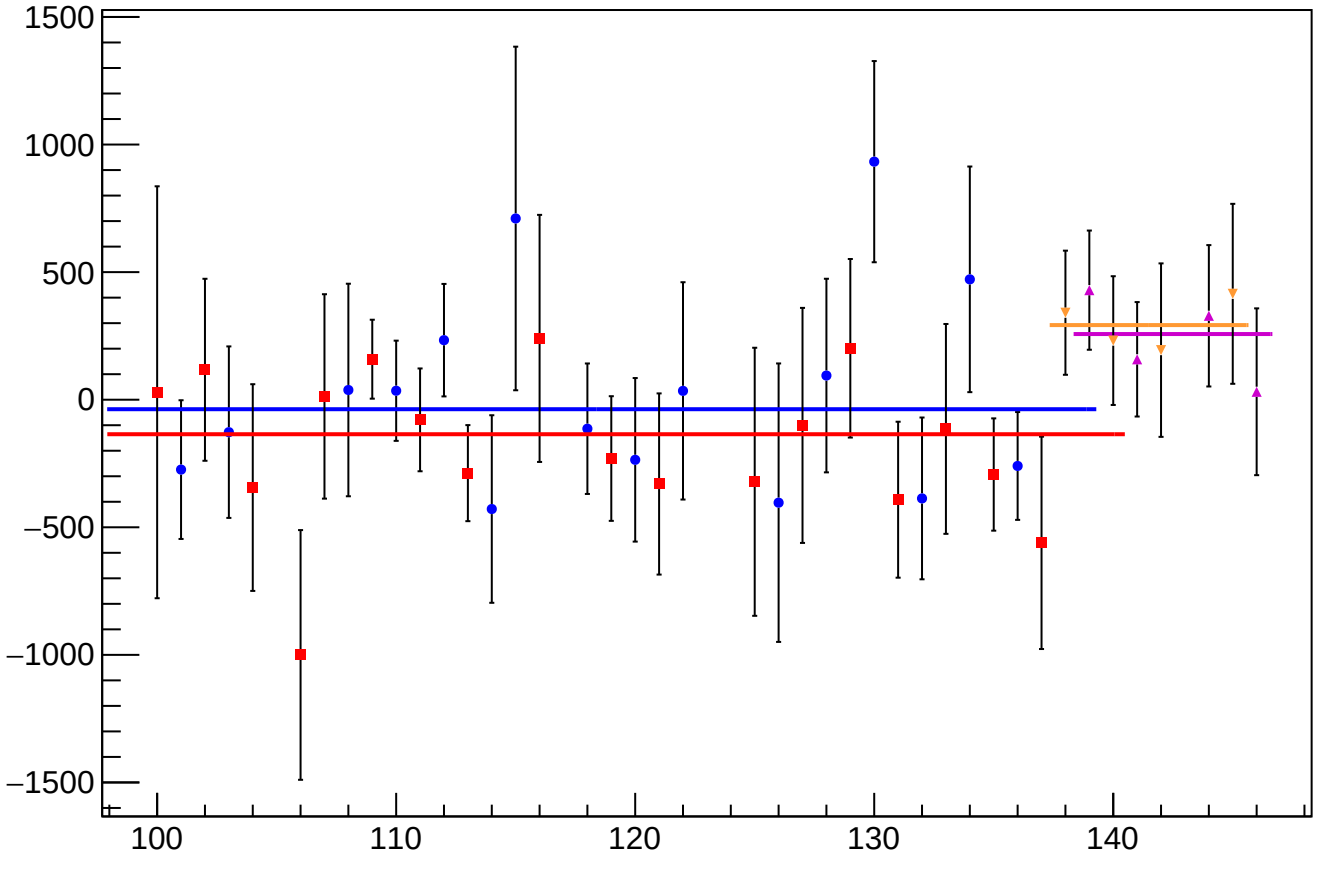
Left: 16.639+/-0.005 χ^2/NDF: 15283.6/7

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 17.109+/-0.004 χ^2/NDF:57657.9/19

Out: 17.337+/-0.004 χ^2/NDF:50086.1/21

All: 17.218+/-0.003 χ^2/NDF: 109579.3/41



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 292.453+/-142.409 χ^2/NDF:0.3/3

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 257.340+/-128.457 χ^2/NDF:1.3/3

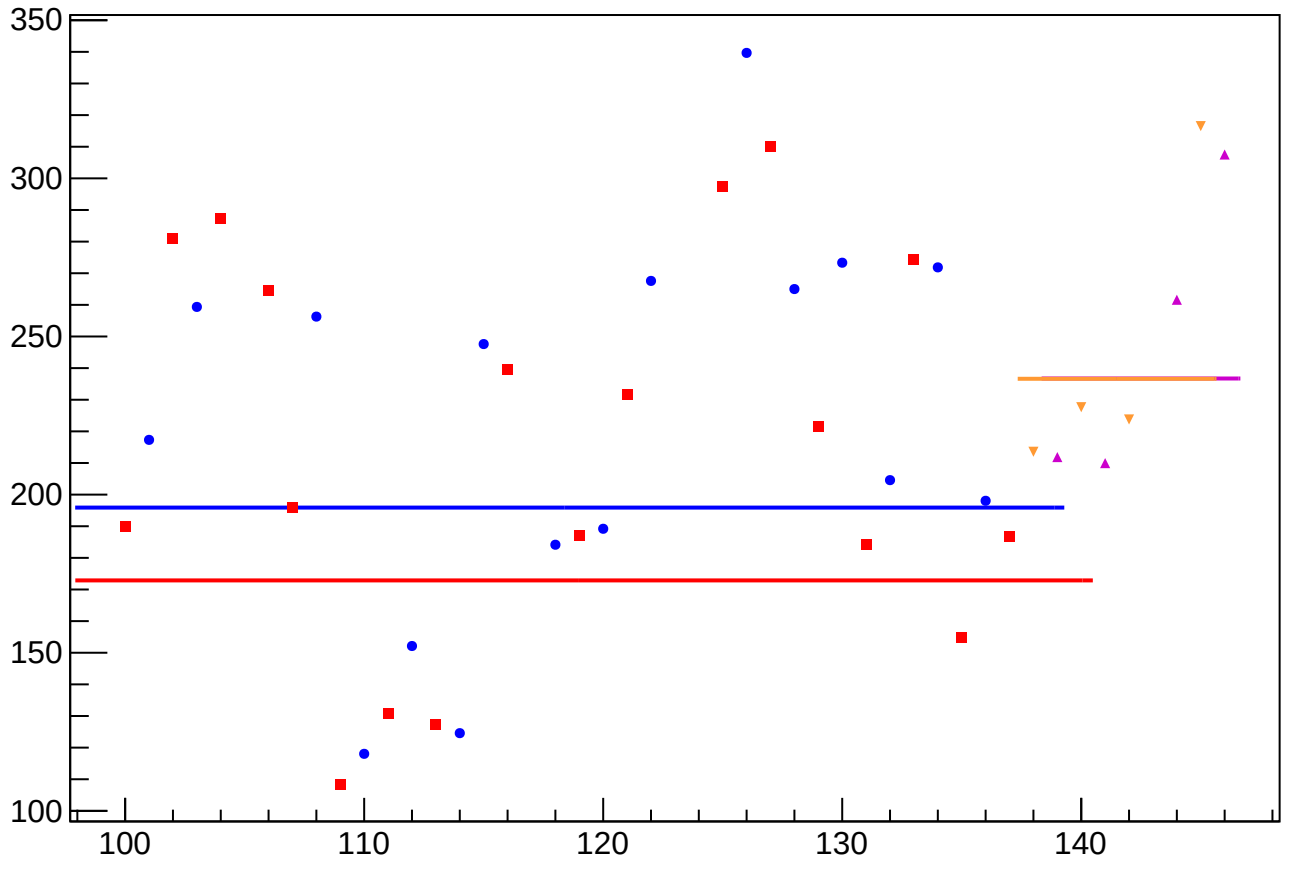
Left: 273.093+/-95.385 χ^2/NDF: 1.6/7

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 40.499+/-65.990 χ^2/NDF:20.8/19

Out: -53.656+/-62.210 χ^2/NDF:20.4/21

All: -9.352+/-45.266 χ^2/NDF: 42.3/41



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 236.625+/-0.101 χ^2/NDF:126043.4/3

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 236.715+/-0.091 χ^2/NDF:161156.1/3

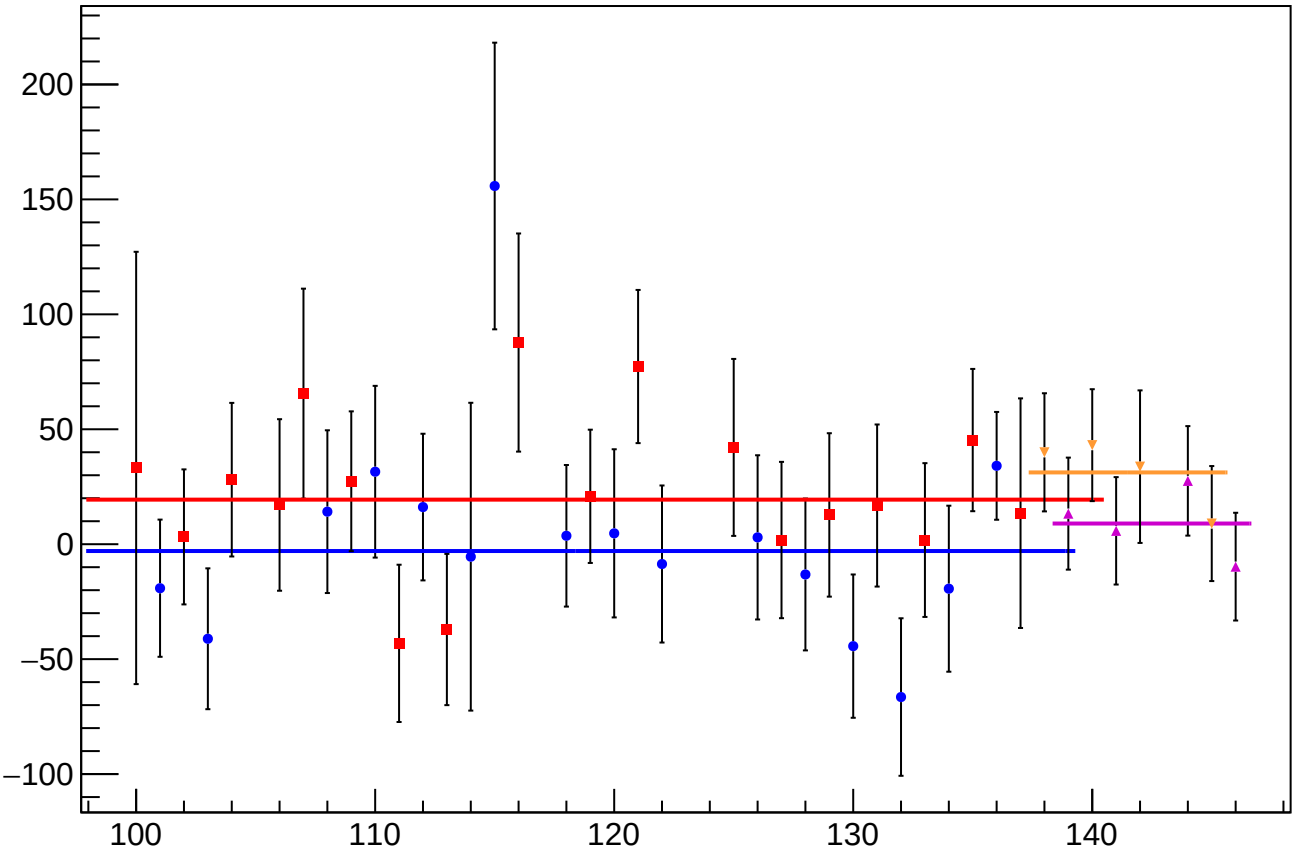
Left: 236.675+/-0.067 χ^2/NDF: 287199.9/7

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 206.671+/-0.047 χ^2/NDF:1320798.9/19

Out: 185.039+/-0.044 χ^2/NDF:1993633.6/21

All: 195.218+/-0.032 χ^2/NDF: 3428225.6/41



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 31.225+/-13.236 χ^2/NDF:1.1/3

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 8.995+/-11.869 χ^2/NDF:1.3/3

Left: 18.903+/-8.836 χ^2/NDF: 4.0/7

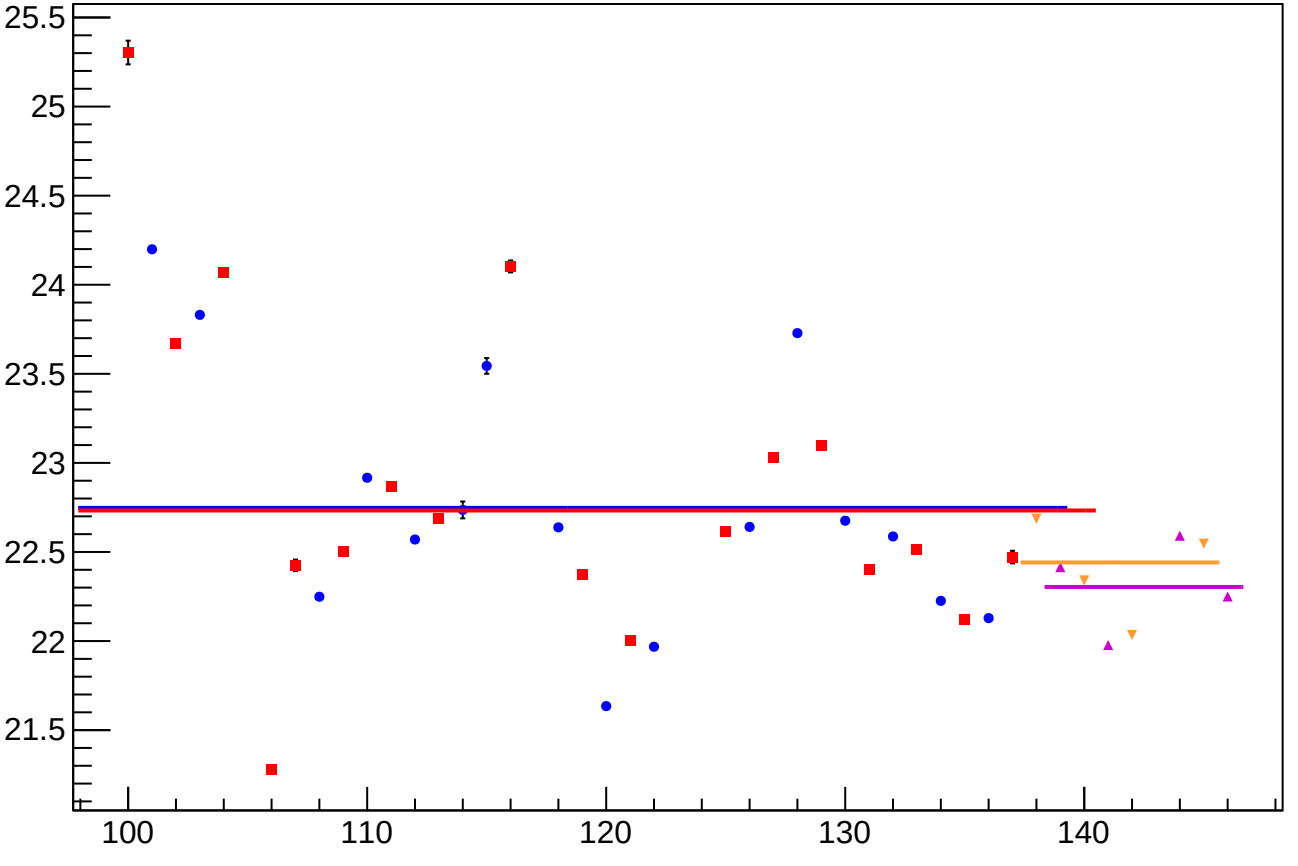
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 1.059+/-6.886 χ^2/NDF:19.9/19

Out: 22.775+/-7.081 χ^2/NDF:16.2/21

All: 11.614+/-4.937 χ^2/NDF: 41.0/41

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.441+/-0.009 χ^2/NDF:553.0/3

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.304+/-0.008 χ^2/NDF:732.6/3

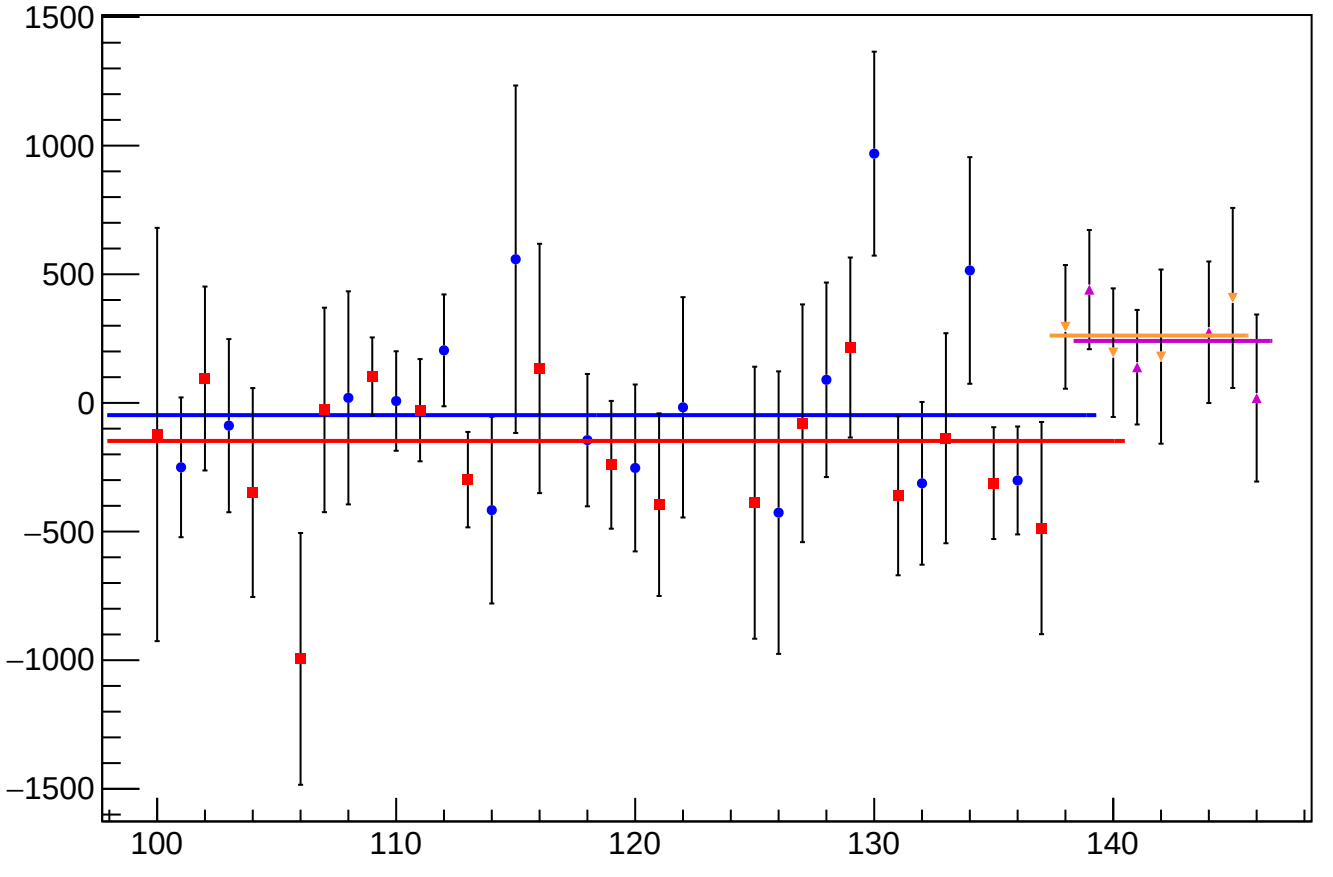
Left: 22.365+/-0.006 χ^2/NDF: 1405.5/7

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.598+/-0.005 χ^2/NDF:17210.9/19

Out: 22.649+/-0.005 χ^2/NDF:15636.0/21

All: 22.623+/-0.003 χ^2/NDF: 32901.0/41



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 261.763+/-141.120 χ^2/NDF:0.3/3

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 240.893+/-127.488 χ^2/NDF:1.4/3

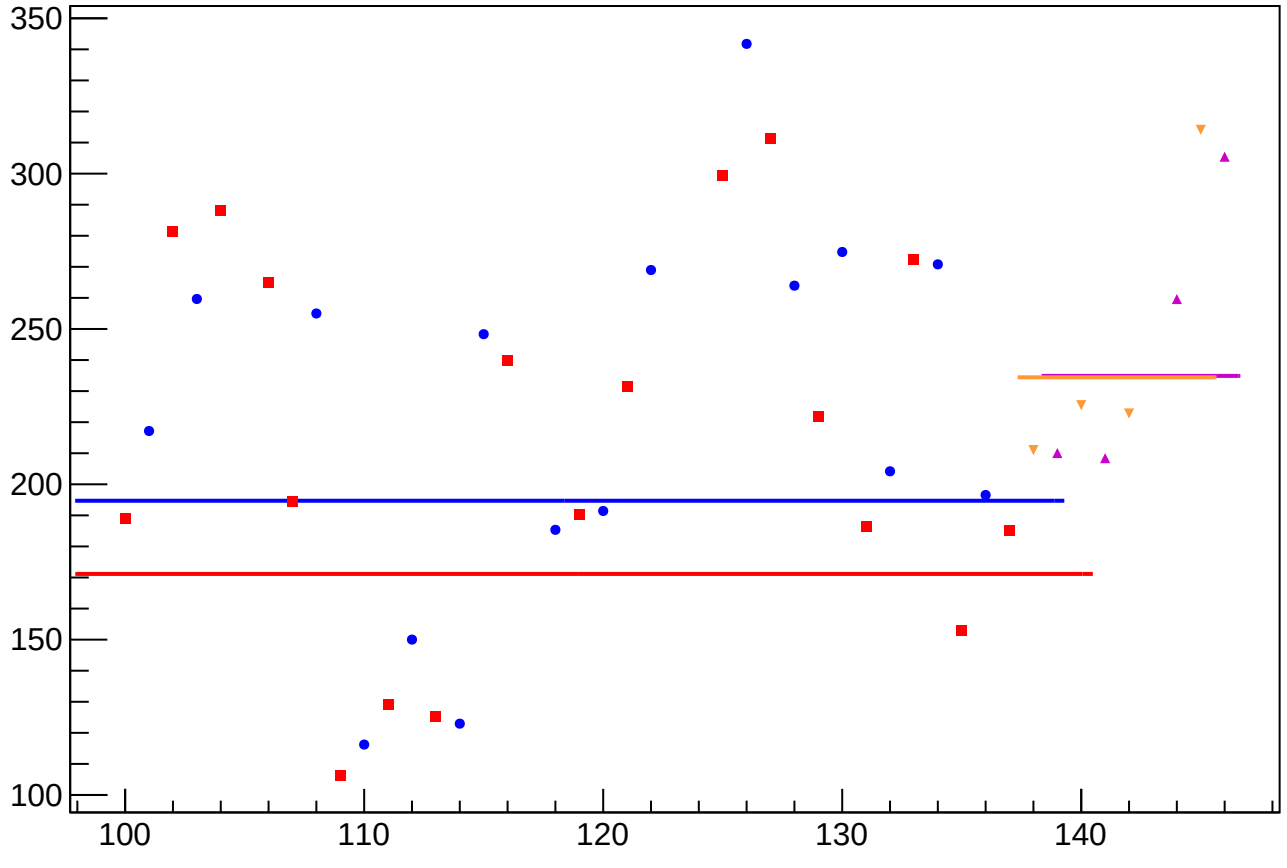
Left: 250.272+/-94.601 χ^2/NDF: 1.8/7

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 28.938+/-65.641 χ^2/NDF:20.6/19

Out: -69.417+/-61.740 χ^2/NDF:18.7/21

All: -23.249+/-44.973 χ^2/NDF: 40.4/41



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 234.429+/-0.100 χ^2/NDF:127559.4/3

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 234.895+/-0.090 χ^2/NDF:161902.2/3

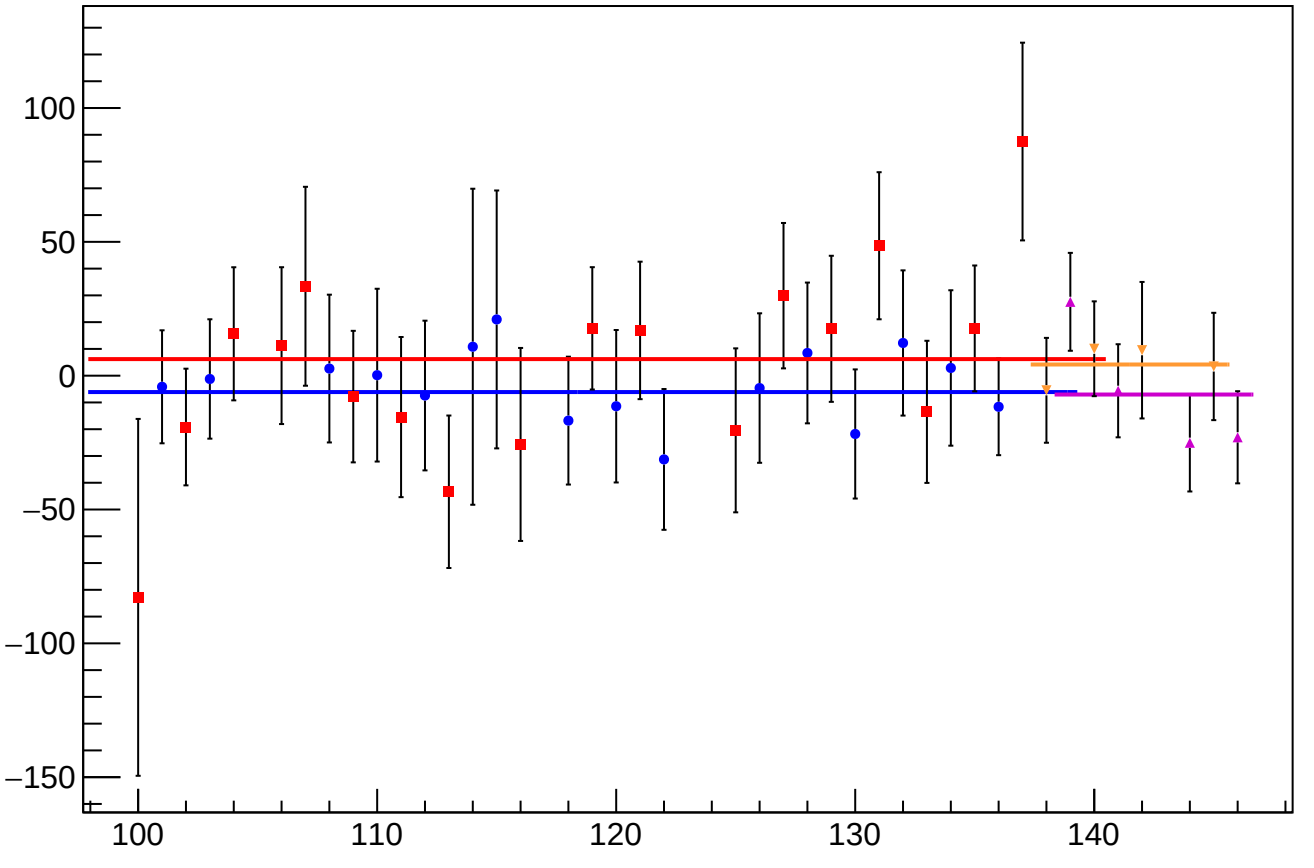
Left: 234.686+/-0.067 χ^2/NDF: 289473.6/7

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 205.362+/-0.046 χ^2/NDF:1360234.6/19

Out: 183.267+/-0.044 χ^2/NDF:2064598.6/21

All: 193.638+/-0.032 χ^2/NDF: 3545061.7/41



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.178+/-10.092 χ^2/NDF:0.4/3

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: -7.041+/-8.878 χ^2/NDF:5.4/3

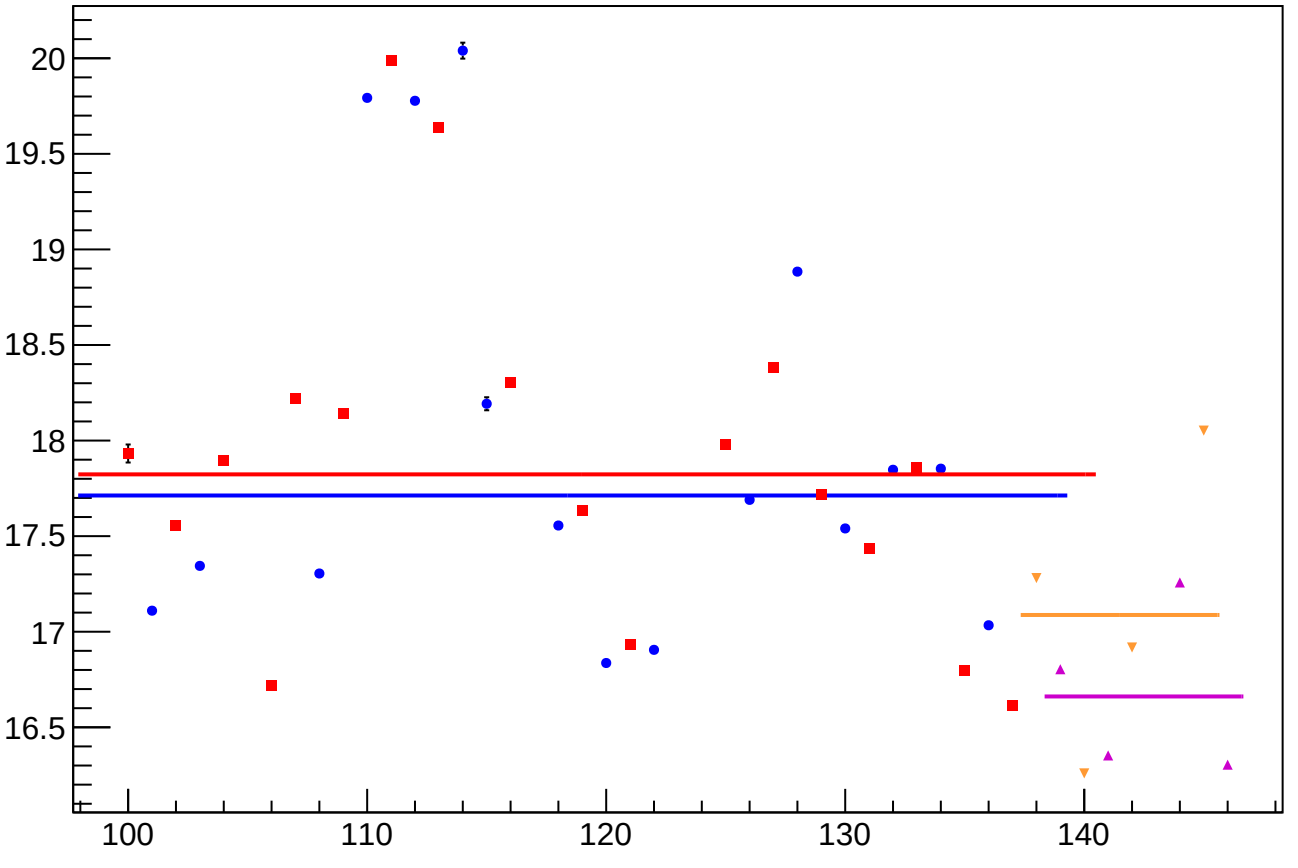
Left: -2.147+/-6.666 χ^2/NDF: 6.5/7

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -6.447+/-5.293 χ^2/NDF:8.6/19

Out: 5.593+/-5.512 χ^2/NDF:19.1/21

All: -0.671+/-3.818 χ^2/NDF: 30.1/41



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 17.088+/-0.007 χ^2/NDF:9290.3/3

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.661+/-0.006 χ^2/NDF:3754.8/3

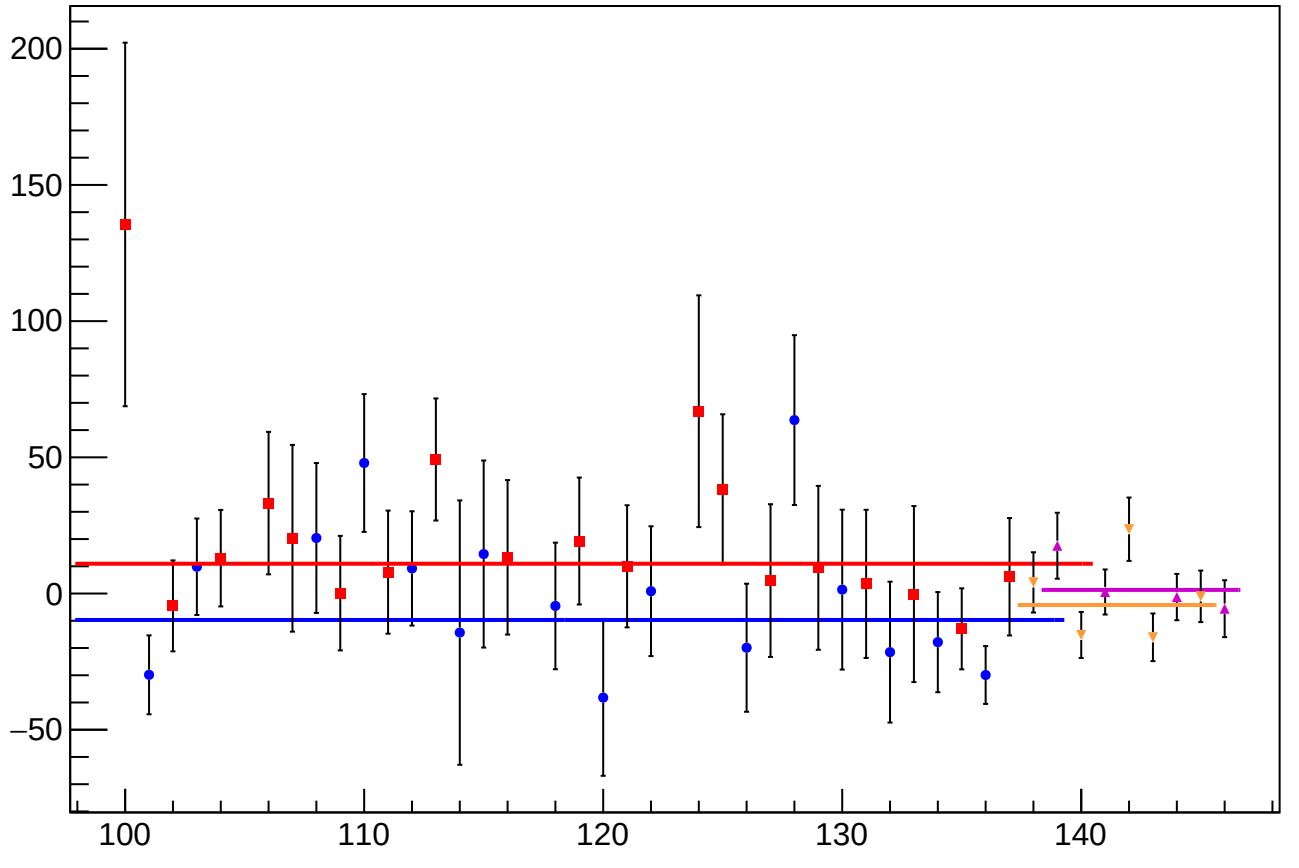
Left: 16.847+/-0.005 χ^2/NDF: 15056.7/7

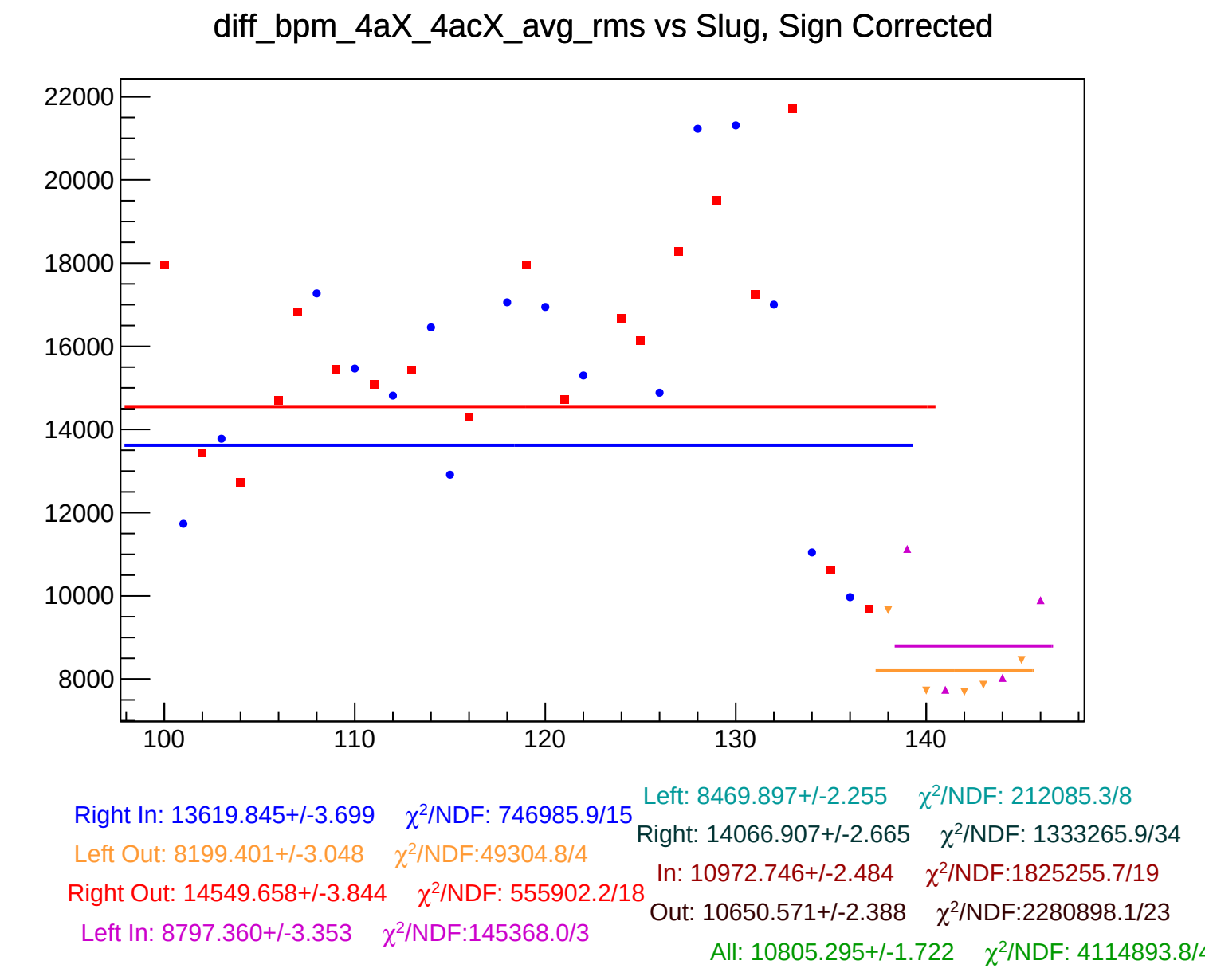
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

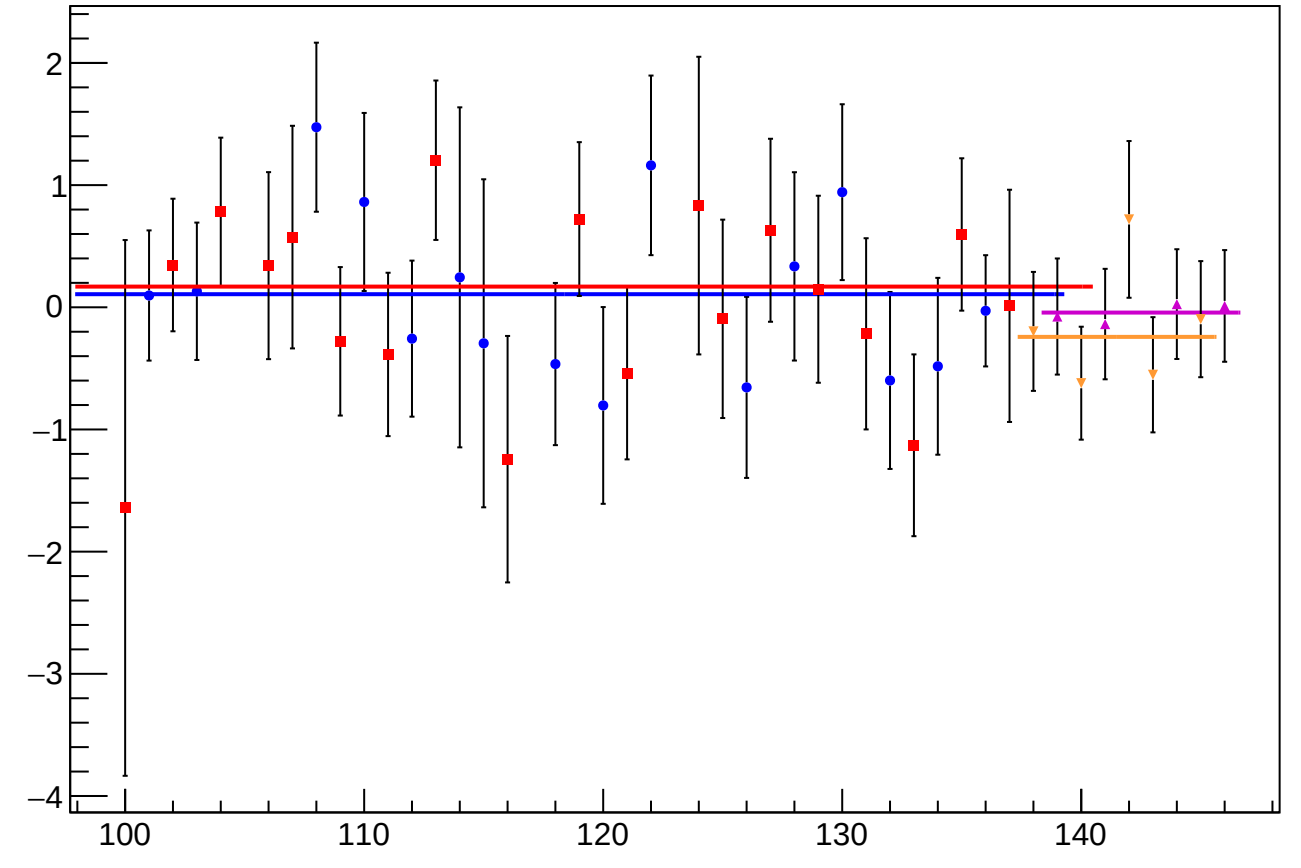
In: 17.339+/-0.004 χ^2/NDF:57815.9/19

Out: 17.604+/-0.004 χ^2/NDF:49248.7/21

All: 17.466+/-0.003 χ^2/NDF: 109464.9/41


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -4.205+/-4.310 χ²/NDF:9.9/4
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 1.328+/-4.742 χ²/NDF:2.3/3
Left: -1.702+/-3.190 χ²/NDF: 13.0/8
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -3.647+/-3.514 χ²/NDF:26.8/19
Out: 1.641+/-3.377 χ²/NDF:28.8/23
All: -0.899+/-2.435 χ²/NDF: 56.7/43


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
Right In: 13619.845+/-3.699 χ²/NDF: 746985.9/15
Left Out: 8199.401+/-3.048 χ²/NDF:49304.8/4
Right Out: 14549.658+/-3.844 χ²/NDF: 555902.2/18
Left In: 8797.360+/-3.353 χ²/NDF:145368.0/3
Left: 8469.897+/-2.255 χ²/NDF: 212085.3/8
Right: 14066.907+/-2.665 χ²/NDF: 1333265.9/34
In: 10972.746+/-2.484 χ²/NDF:1825255.7/19
Out: 10650.571+/-2.388 χ²/NDF:2280898.1/23
All: 10805.295+/-1.722 χ²/NDF: 4114893.8/4



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.242+/-0.222 χ^2/NDF:3.5/4

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: -0.043+/-0.229 χ^2/NDF:0.1/3

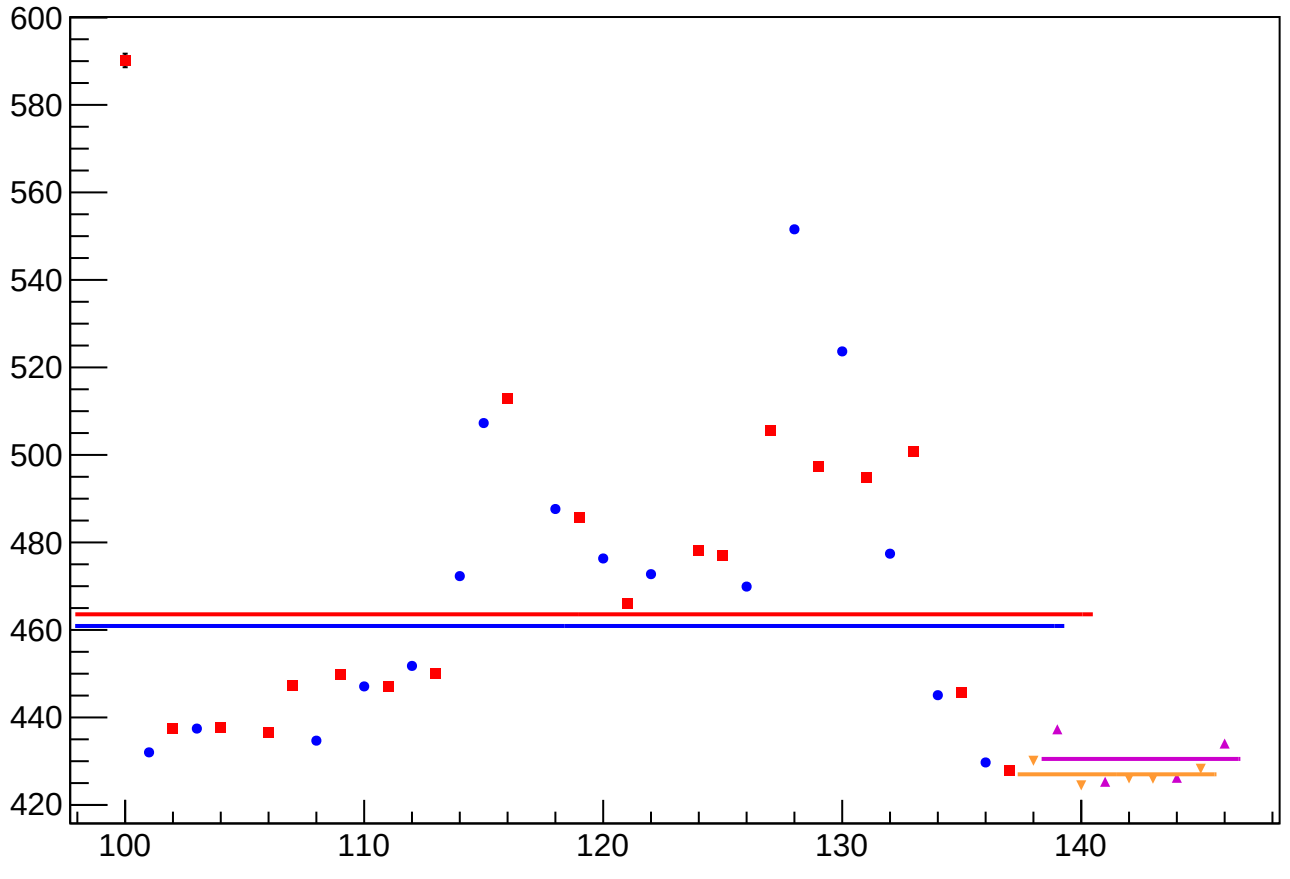
Left: -0.146+/-0.159 χ^2/NDF: 3.9/8

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.053+/-0.137 χ^2/NDF:14.0/19

Out: 0.018+/-0.135 χ^2/NDF:19.7/23

All: 0.035+/-0.096 χ^2/NDF: 33.8/43



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 427.005+/-0.157 χ^2/NDF:168.3/4

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.520+/-0.162 χ^2/NDF:974.6/3

Left: 428.709+/-0.113 χ^2/NDF: 1385.6/8

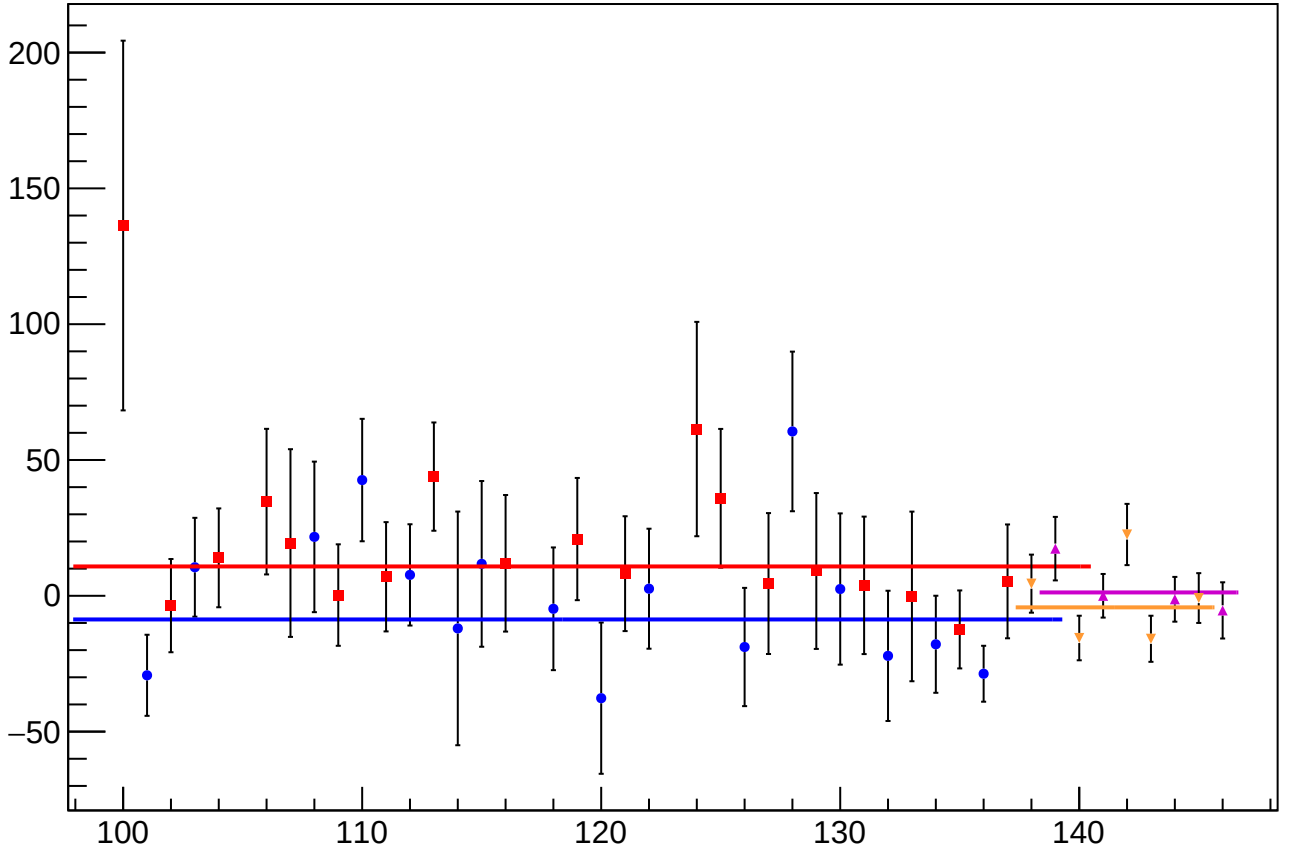
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 449.972+/-0.097 χ^2/NDF:98442.3/19

Out: 450.127+/-0.095 χ^2/NDF:86598.5/23

All: 450.051+/-0.068 χ^2/NDF: 185042.1/43

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -4.258+/-4.178 χ^2/NDF:10.2/4

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 1.237+/-4.619 χ^2/NDF:2.4/3

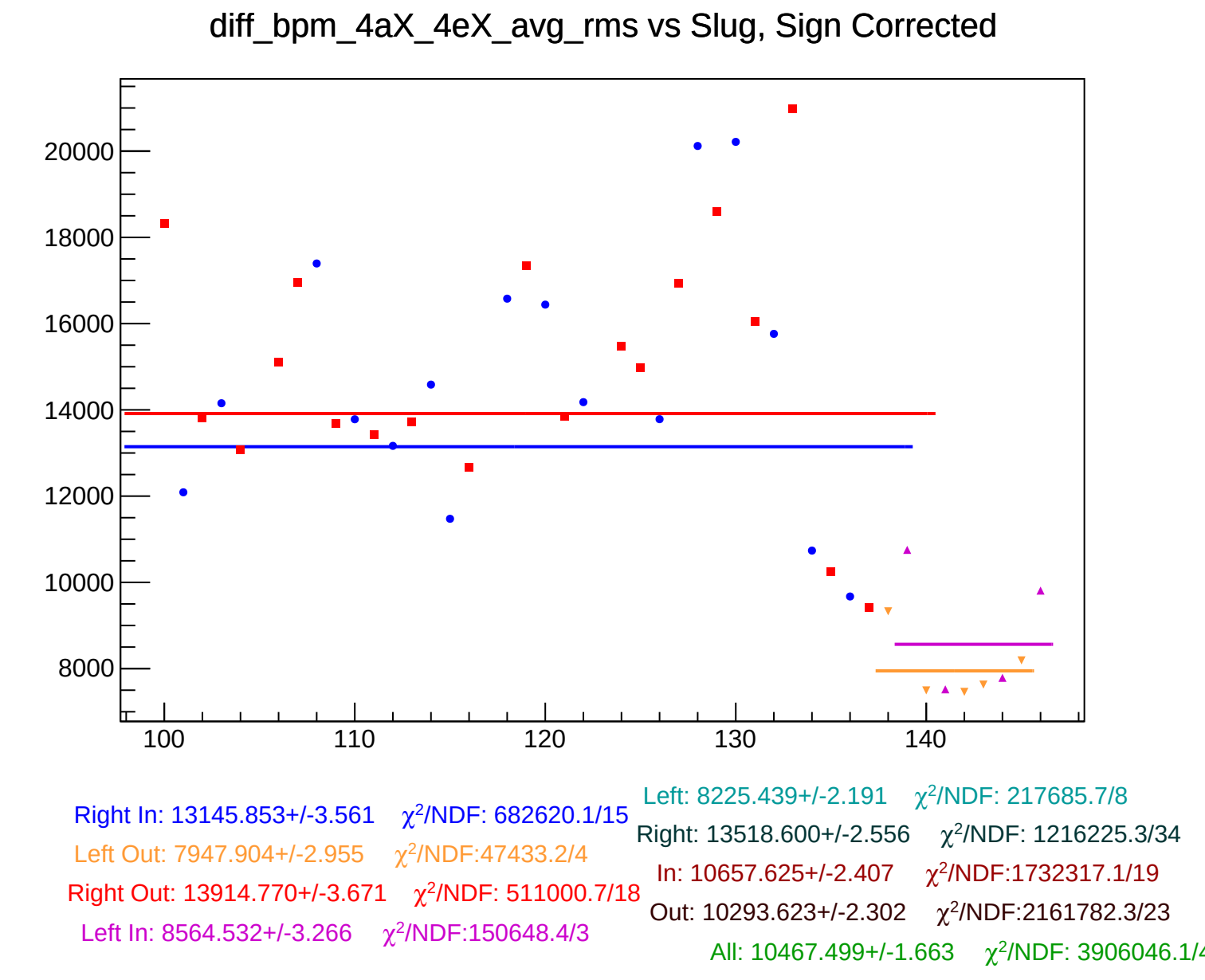
Left: -1.785+/-3.099 χ^2/NDF: 13.4/8

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

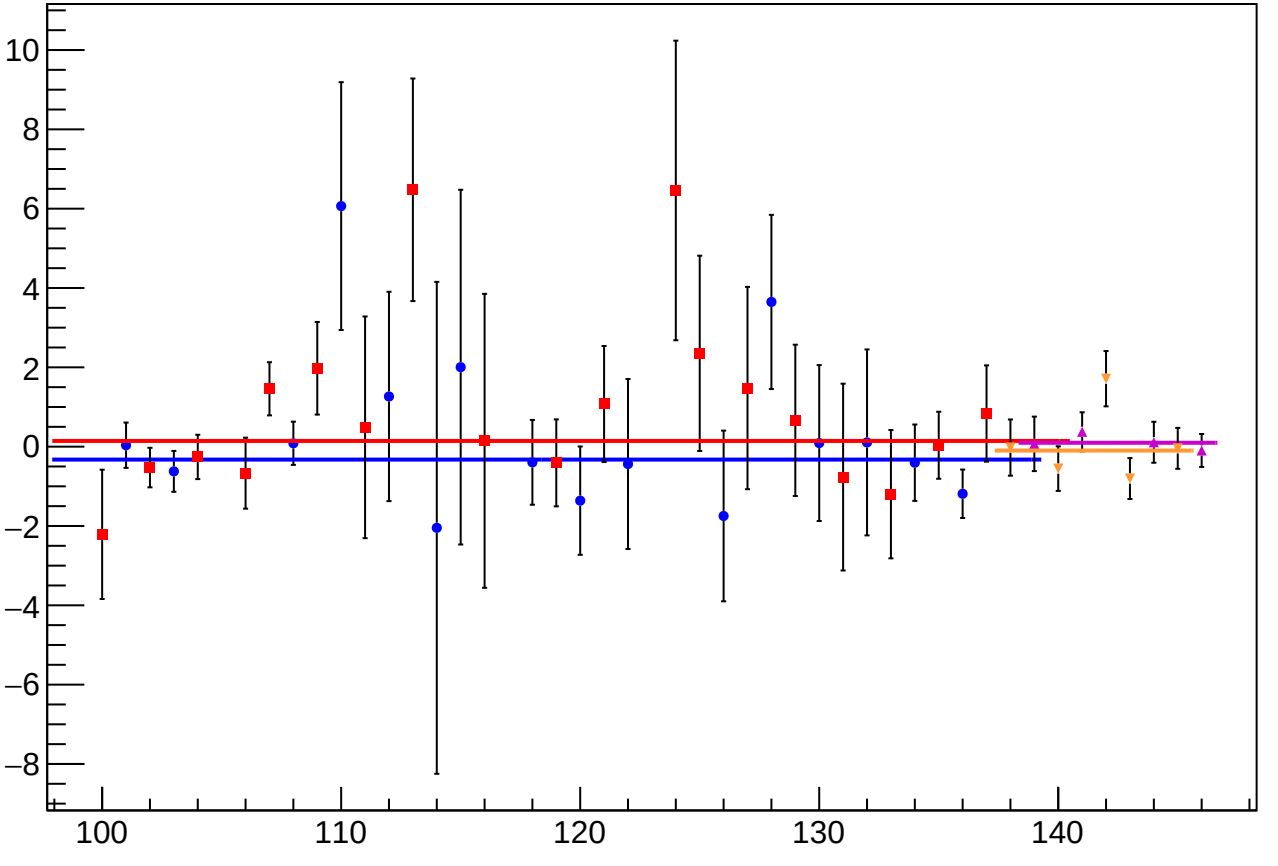
In: -3.306+/-3.404 χ^2/NDF:26.8/19

Out: 1.665+/-3.255 χ^2/NDF:29.2/23

All: -0.710+/-2.353 χ^2/NDF: 57.1/43


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 7947.904+/-2.955 χ²/NDF:47433.2/4
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8564.532+/-3.266 χ²/NDF:150648.4/3
Left: 8225.439+/-2.191 χ²/NDF: 217685.7/8
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 10657.625+/-2.407 χ²/NDF:1732317.1/19
Out: 10293.623+/-2.302 χ²/NDF:2161782.3/23
All: 10467.499+/-1.663 χ²/NDF: 3906046.1/4

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.099+/-0.261 χ^2/NDF:9.3/4

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.098+/-0.252 χ^2/NDF:0.5/3

Left: 0.003+/-0.181 χ^2/NDF: 10.1/8

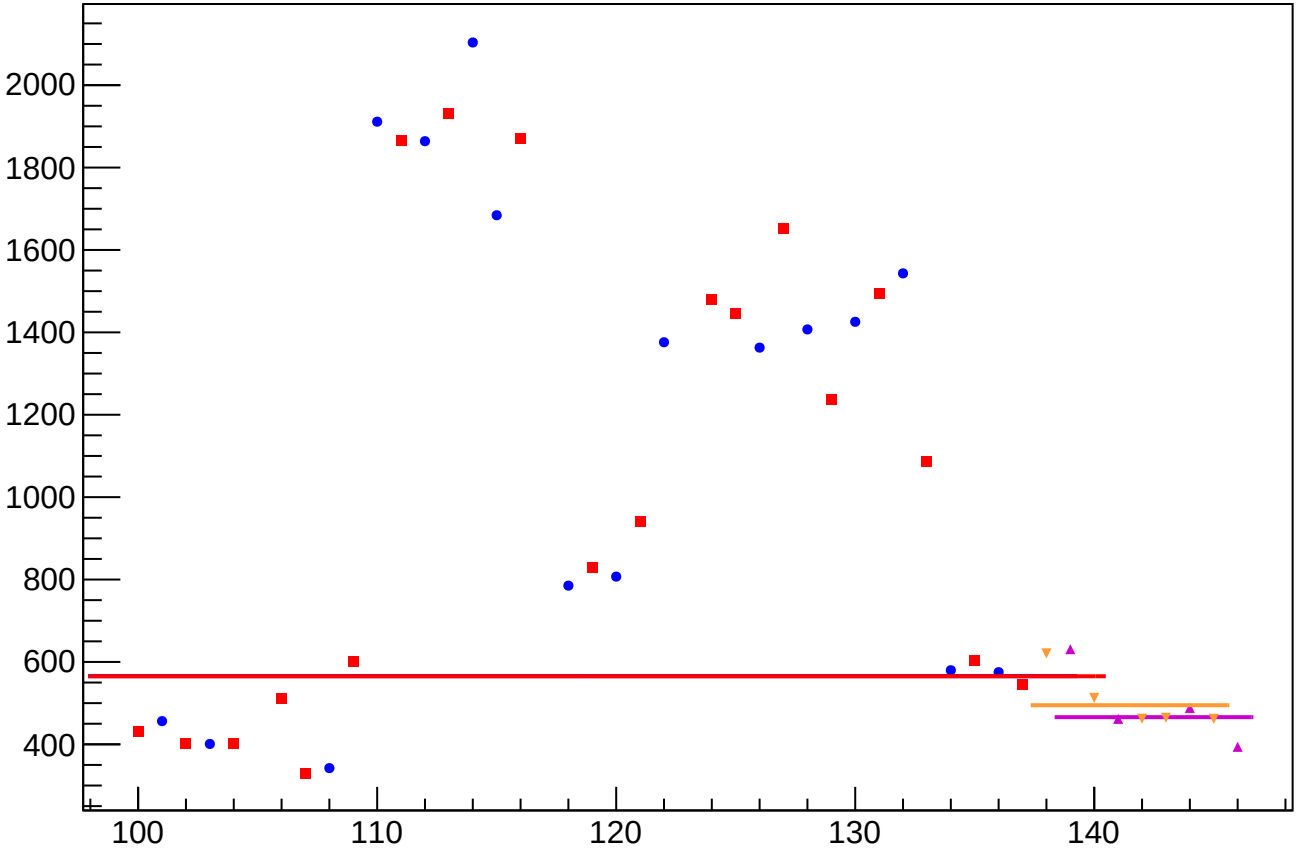
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.120+/-0.175 χ^2/NDF:14.6/19

Out: 0.030+/-0.178 χ^2/NDF:32.2/23

All: -0.046+/-0.125 χ^2/NDF: 47.2/43

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 494.949+/-0.184 χ^2/NDF:84586.2/4

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 465.992+/-0.178 χ^2/NDF:179427.3/3

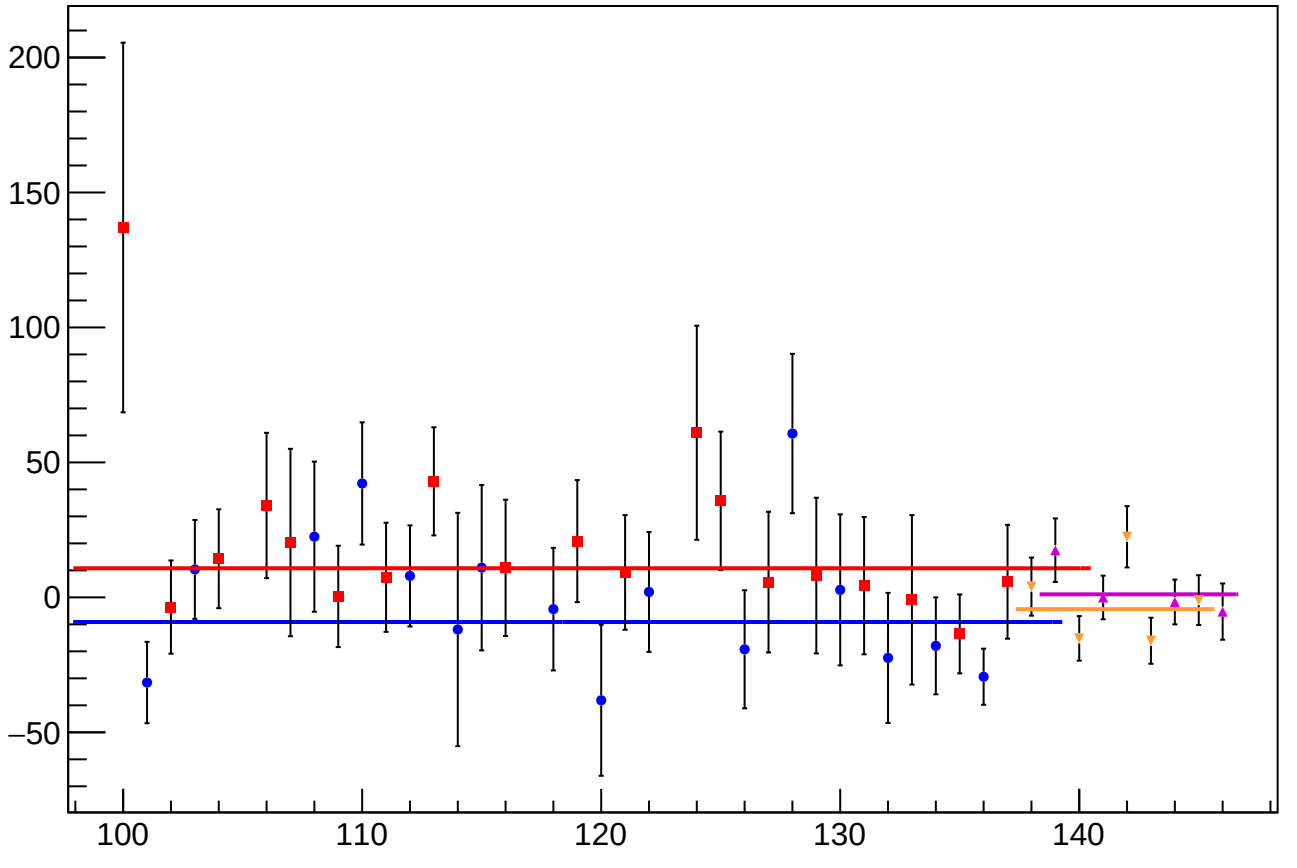
Left: 479.968+/-0.128 χ^2/NDF: 276793.4/8

Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 517.276+/-0.124 χ^2/NDF:3791151.8/19

Out: 532.336+/-0.126 χ^2/NDF:3733610.8/23

All: 524.678+/-0.088 χ^2/NDF: 7532023.2/43



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -4.364+/-4.205 χ^2/NDF:9.9/4

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 1.130+/-4.648 χ^2/NDF:2.4/3

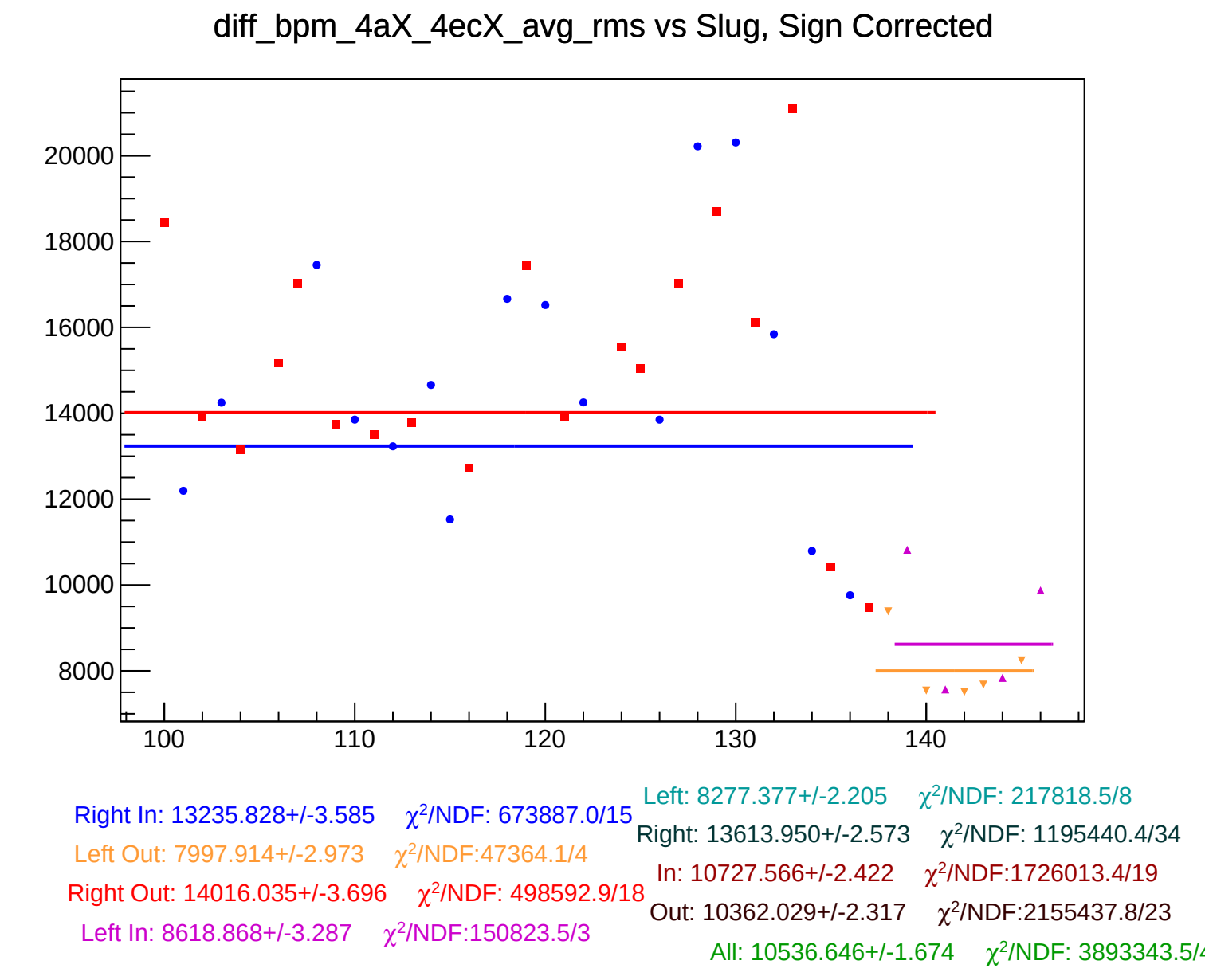
Left: -1.892+/-3.118 χ^2/NDF: 13.1/8

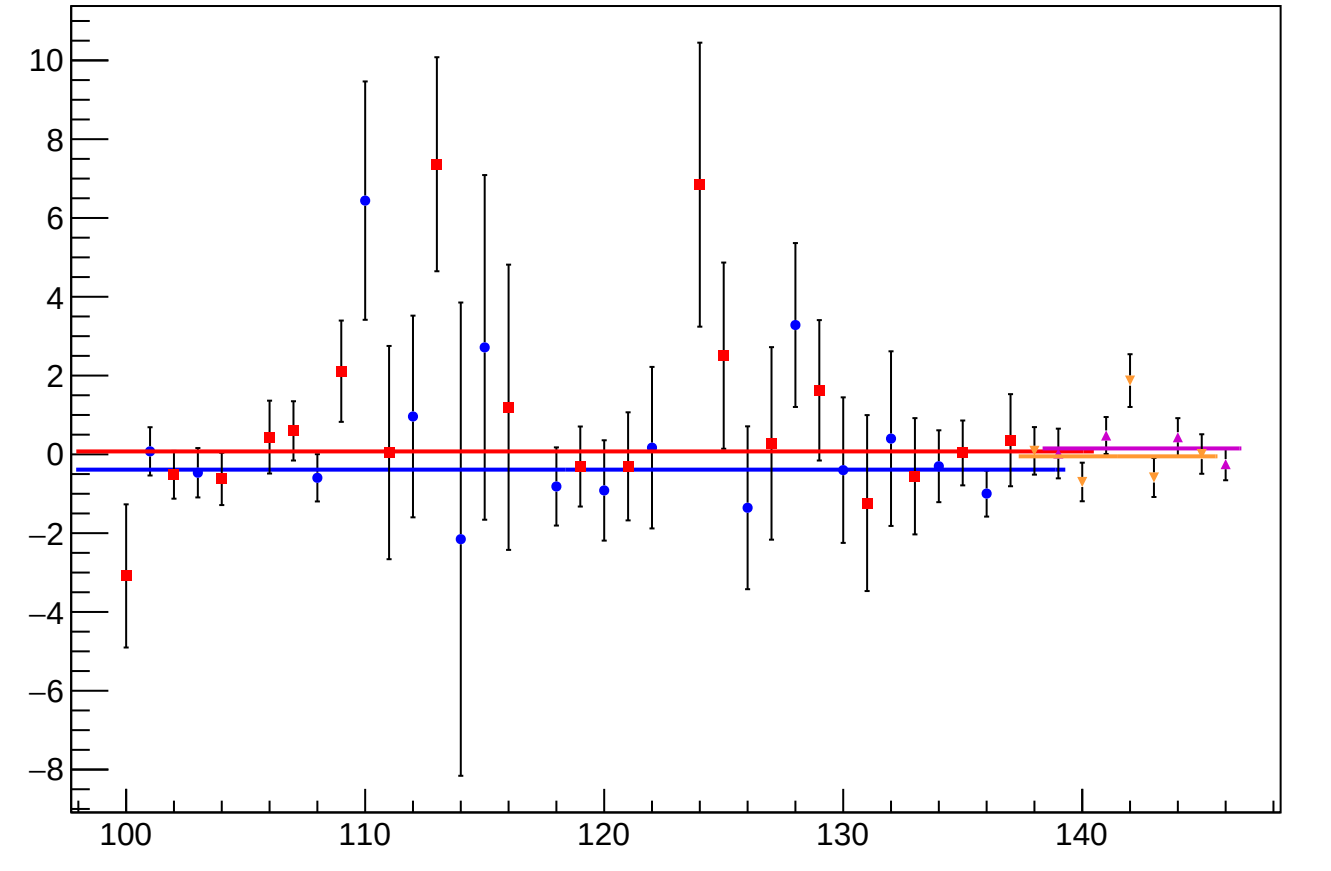
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -3.556+/-3.426 χ^2/NDF:27.4/19

Out: 1.588+/-3.276 χ^2/NDF:28.7/23

All: -0.870+/-2.368 χ^2/NDF: 57.3/43


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 7997.914+/-2.973 χ²/NDF:47364.1/4
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8618.868+/-3.287 χ²/NDF:150823.5/3
Left: 8277.377+/-2.205 χ²/NDF: 217818.5/8
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10727.566+/-2.422 χ²/NDF:1726013.4/19
Out: 10362.029+/-2.317 χ²/NDF:2155437.8/23
All: 10536.646+/-1.674 χ²/NDF: 3893343.5/4



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.050+/-0.241 χ^2/NDF:11.3/4

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.151+/-0.240 χ^2/NDF:1.8/3

Left: 0.050+/-0.170 χ^2/NDF: 13.4/8

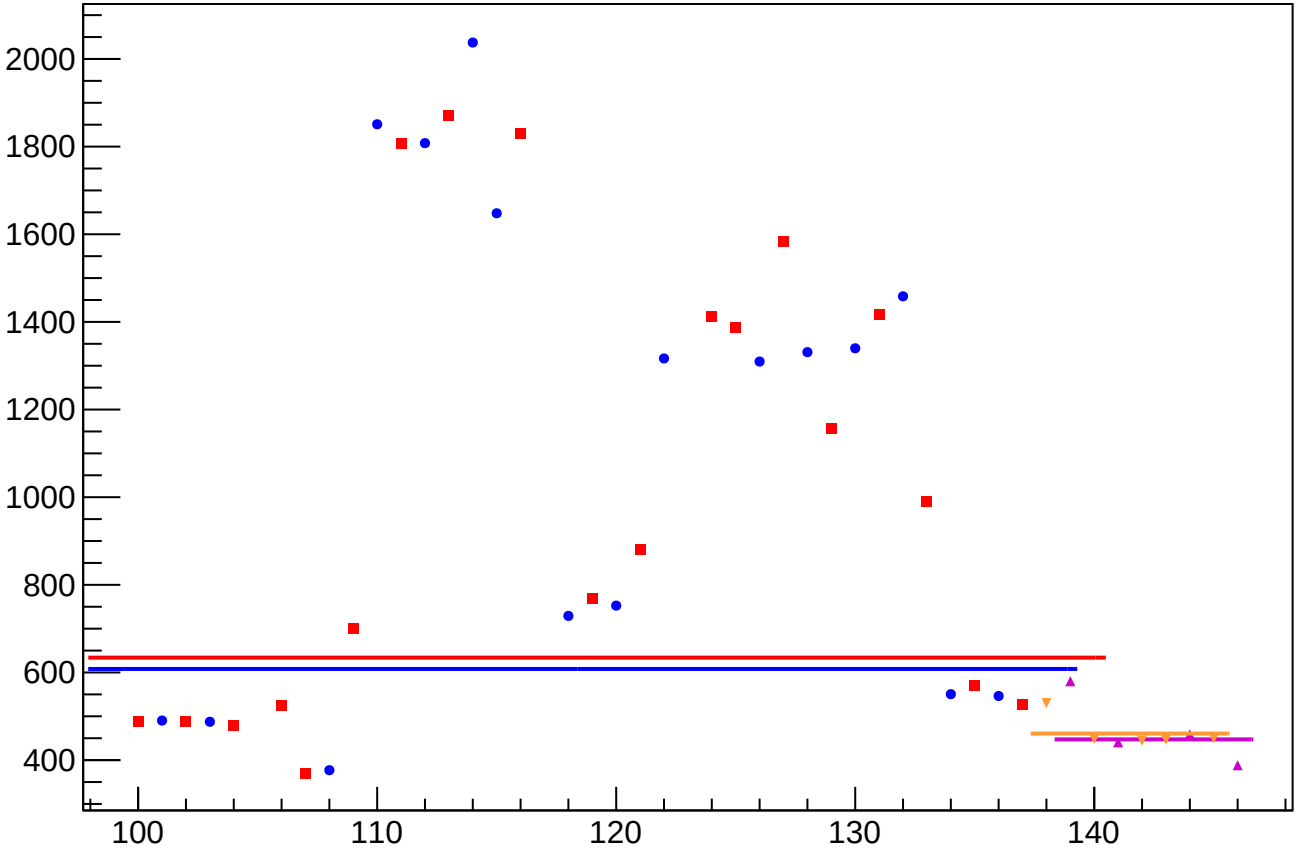
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.102+/-0.175 χ^2/NDF:15.8/19

Out: 0.006+/-0.178 χ^2/NDF:33.1/23

All: -0.049+/-0.125 χ^2/NDF: 49.1/43

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 460.660+/-0.170 χ^2/NDF:31611.0/4

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 447.371+/-0.170 χ^2/NDF:131632.9/3

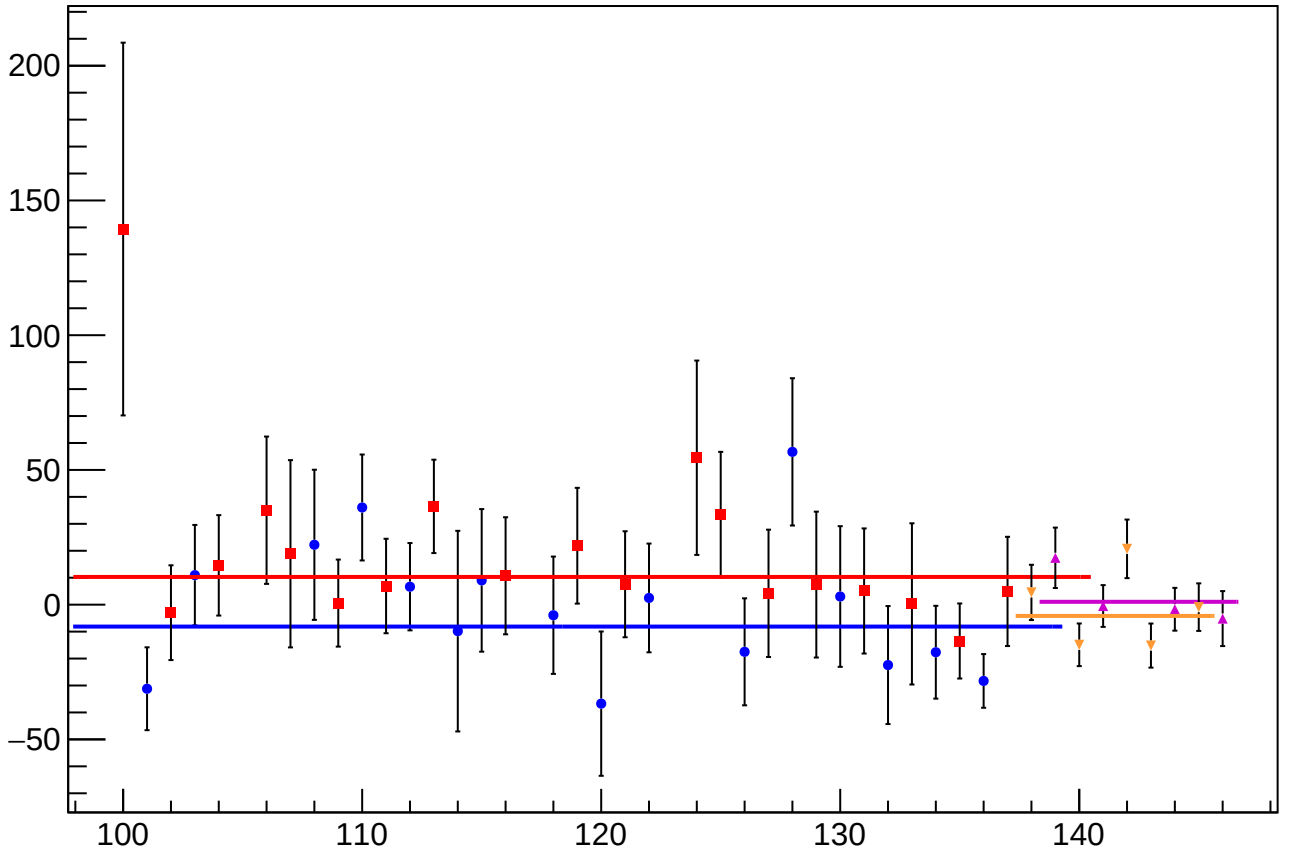
Left: 453.999+/-0.120 χ^2/NDF: 166289.9/8

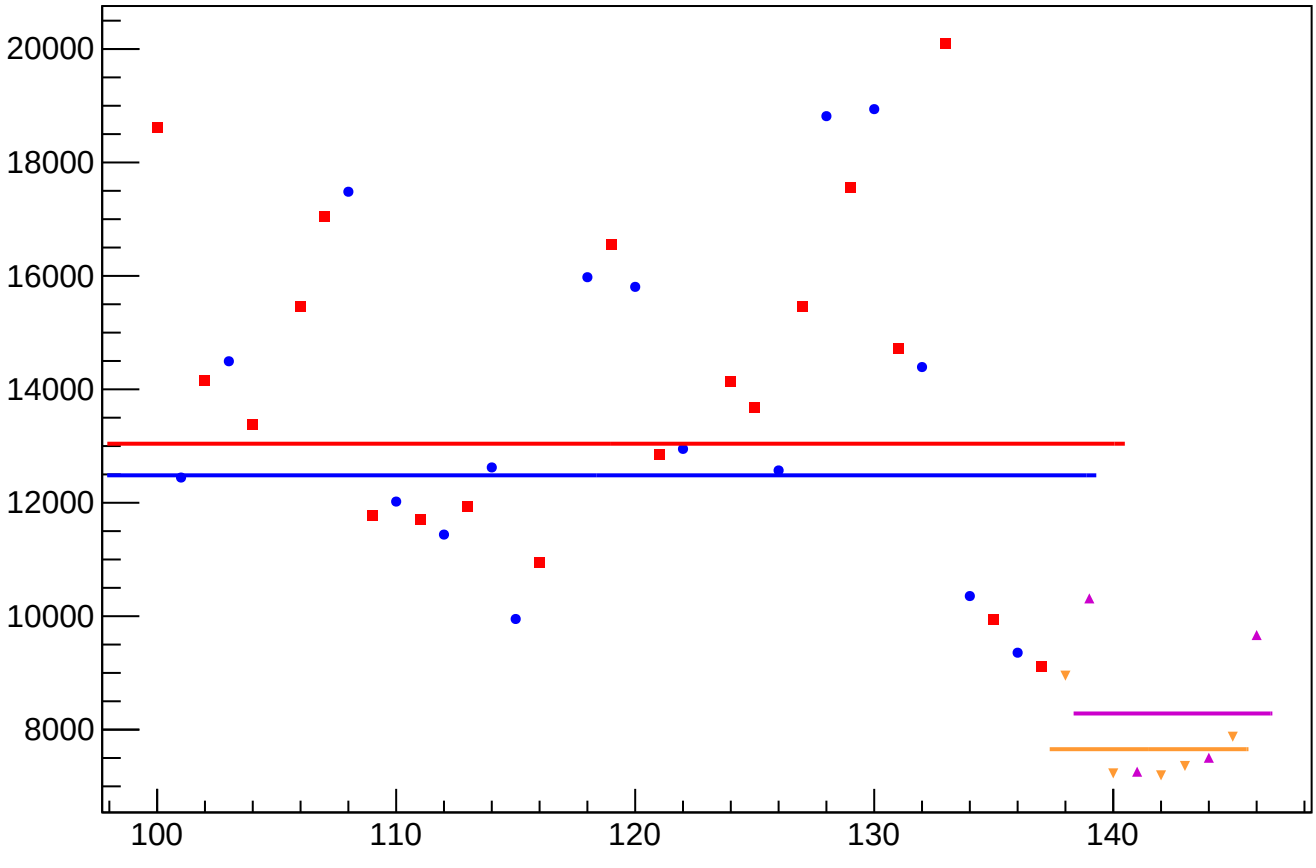
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 522.788+/-0.124 χ^2/NDF:3403512.9/19

Out: 539.257+/-0.126 χ^2/NDF:3288577.8/23

All: 530.882+/-0.088 χ^2/NDF: 6700779.8/43


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
Right In: -8.132+/-4.779 χ²/NDF: 23.1/15
Left Out: -4.179+/-4.025 χ²/NDF:9.7/4
Right Out: 10.288+/-4.873 χ²/NDF: 13.7/18
Left In: 1.063+/-4.470 χ²/NDF:2.7/3
Left: -1.832+/-2.991 χ²/NDF: 13.2/8
Right: 0.898+/-3.412 χ²/NDF: 44.1/34
In: -3.227+/-3.264 χ²/NDF:27.7/19
Out: 1.687+/-3.103 χ²/NDF:28.7/23
All: -0.646+/-2.249 χ²/NDF: 57.6/43



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 7655.248+/-2.846 χ^2/NDF:45240.4/4

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8284.680+/-3.160 χ^2/NDF:156614.7/3

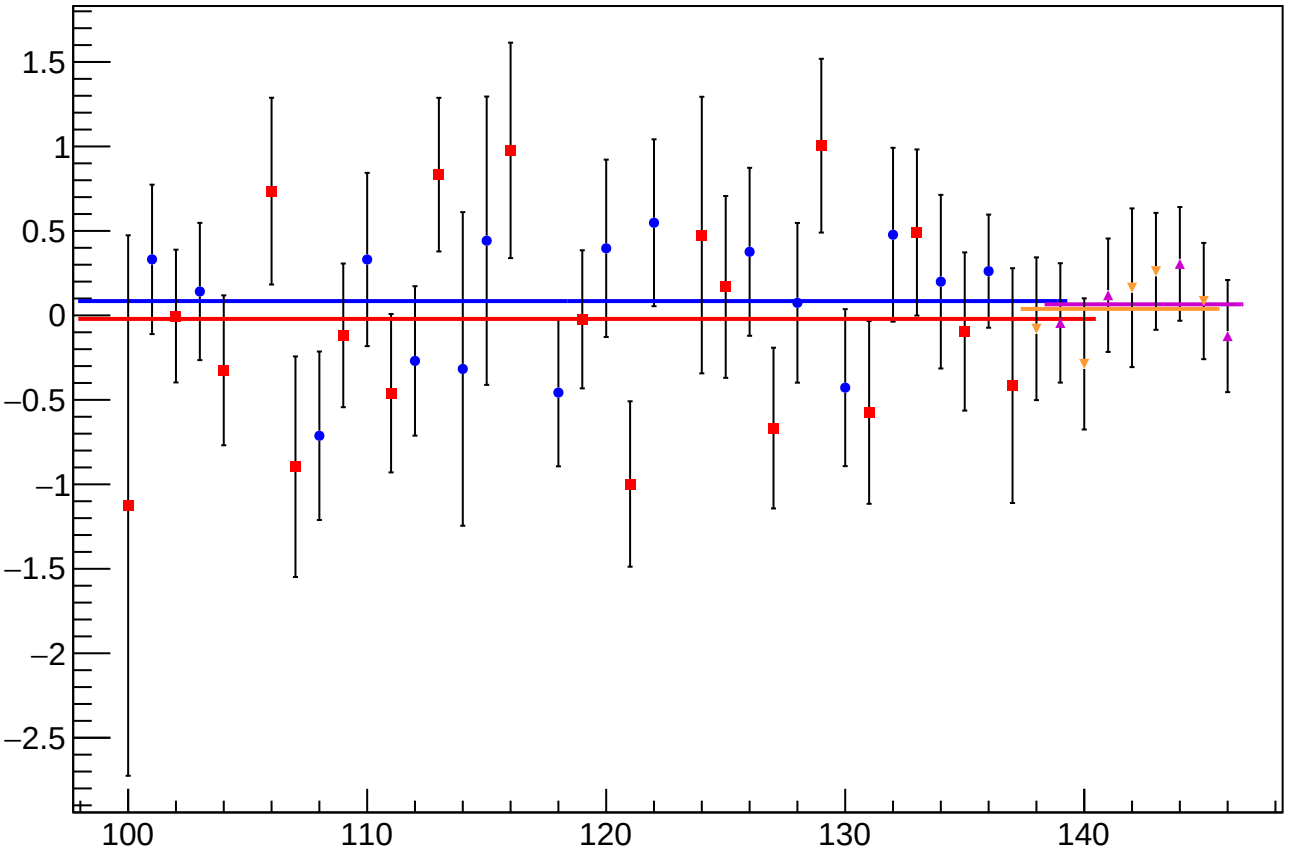
Left: 7937.104+/-2.115 χ^2/NDF: 223758.1/8

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 10243.925+/-2.308 χ^2/NDF:1651872.7/19

Out: 9839.273+/-2.194 χ^2/NDF:2042004.8/23

All: 10031.371+/-1.590 χ^2/NDF: 3710020.3/4



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.038+/-0.173 χ^2/NDF:1.3/4

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: 0.066+/-0.170 χ^2/NDF:0.9/3

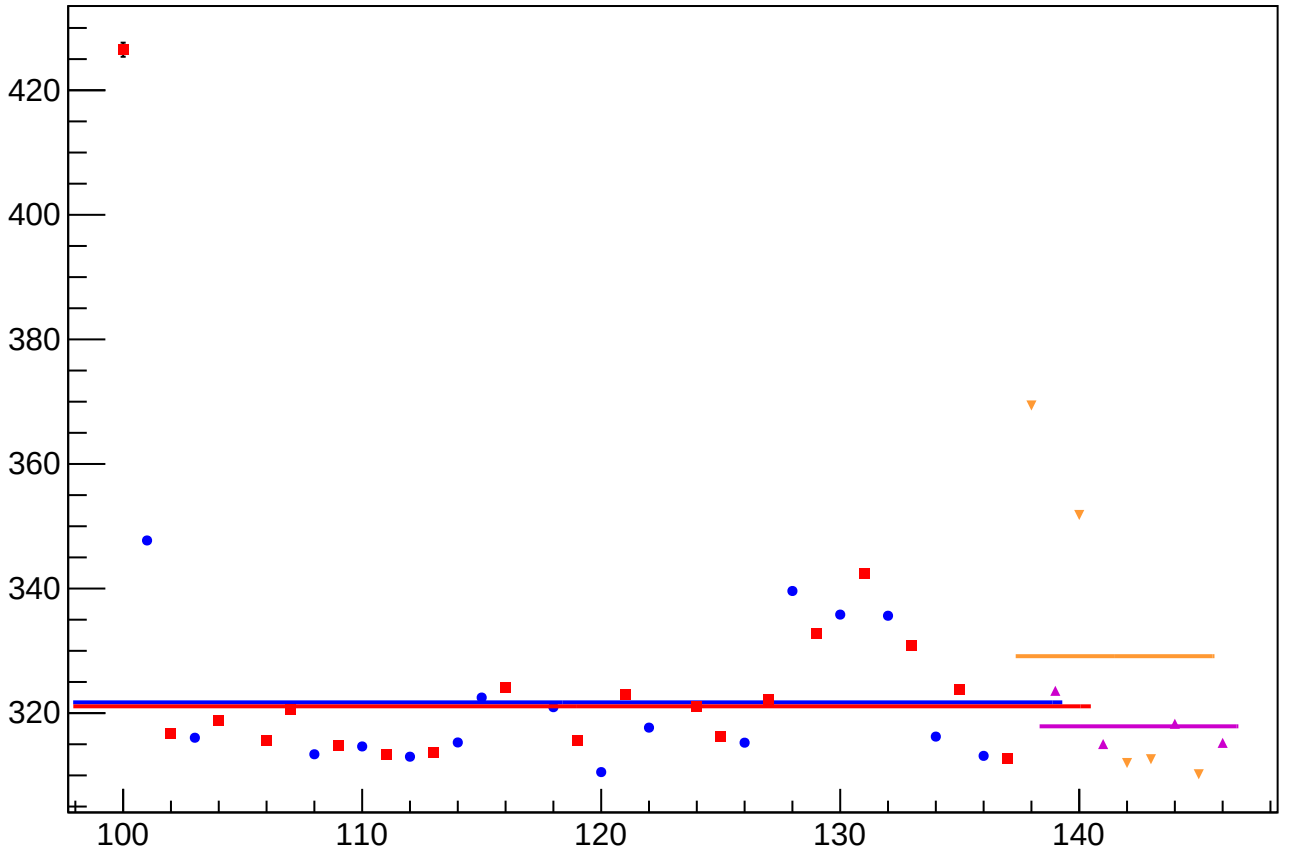
Left: 0.052+/-0.121 χ^2/NDF: 2.2/8

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.078+/-0.098 χ^2/NDF:10.3/19

Out: -0.002+/-0.097 χ^2/NDF:25.7/23

All: 0.038+/-0.069 χ^2/NDF: 36.3/43



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 329.140+/-0.122 χ^2/NDF:38282.7/4

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 317.881+/-0.120 χ^2/NDF:795.5/3

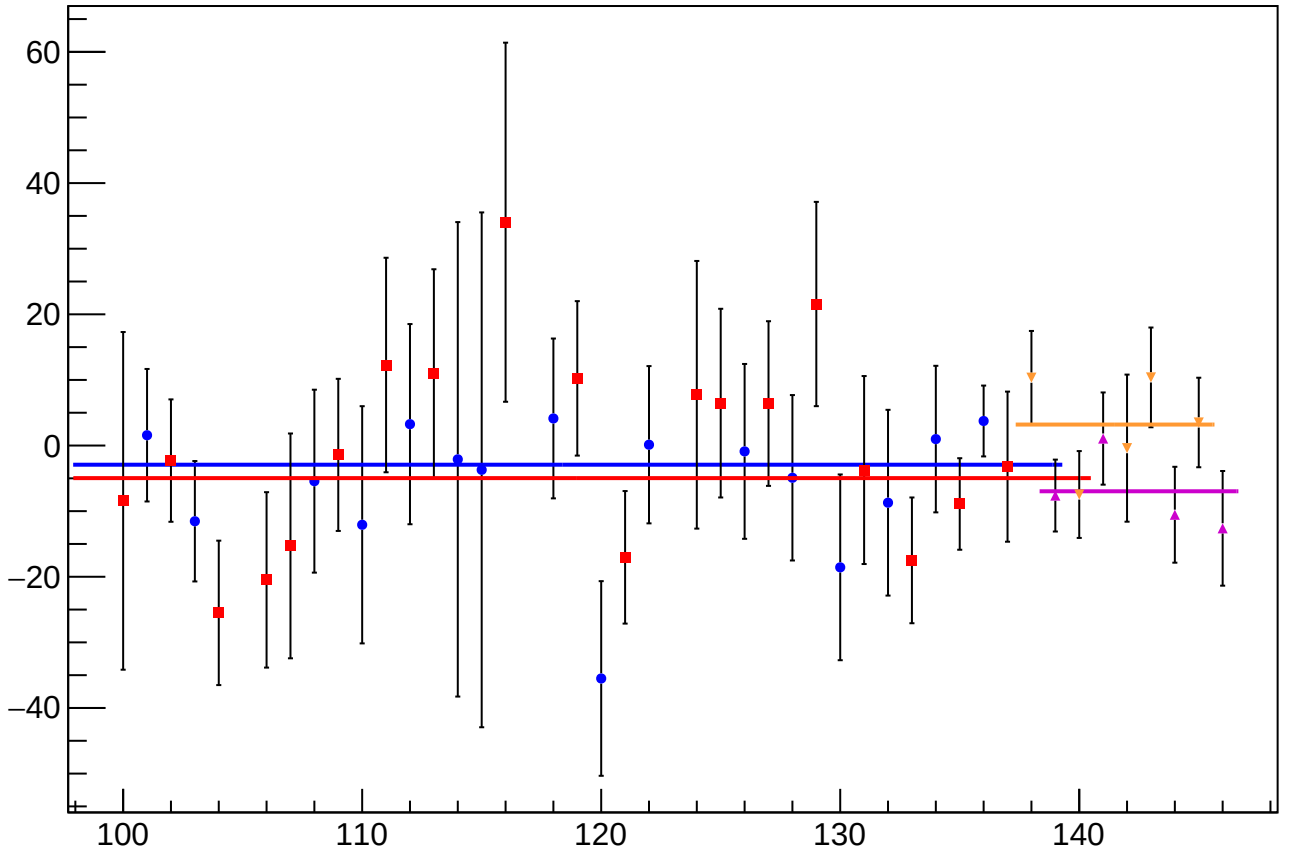
Left: 323.409+/-0.086 χ^2/NDF: 43409.5/8

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 320.441+/-0.069 χ^2/NDF:19695.4/19

Out: 323.641+/-0.069 χ^2/NDF:57832.6/23

All: 322.056+/-0.049 χ^2/NDF: 78603.2/43



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.199+/-3.347 χ^2/NDF:4.6/4

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -6.971+/-3.422 χ^2/NDF:2.0/3

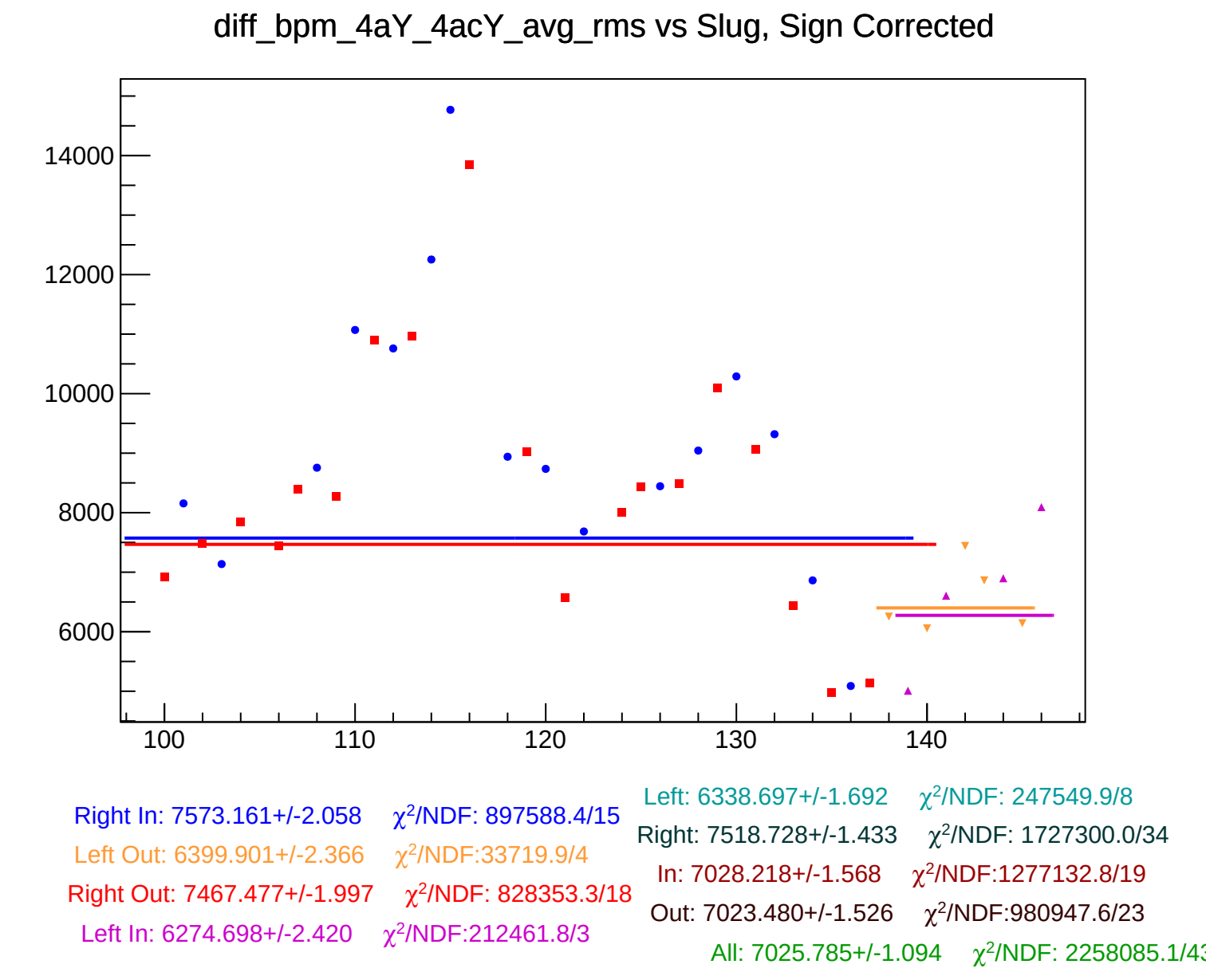
Left: -1.772+/-2.393 χ^2/NDF: 11.1/8

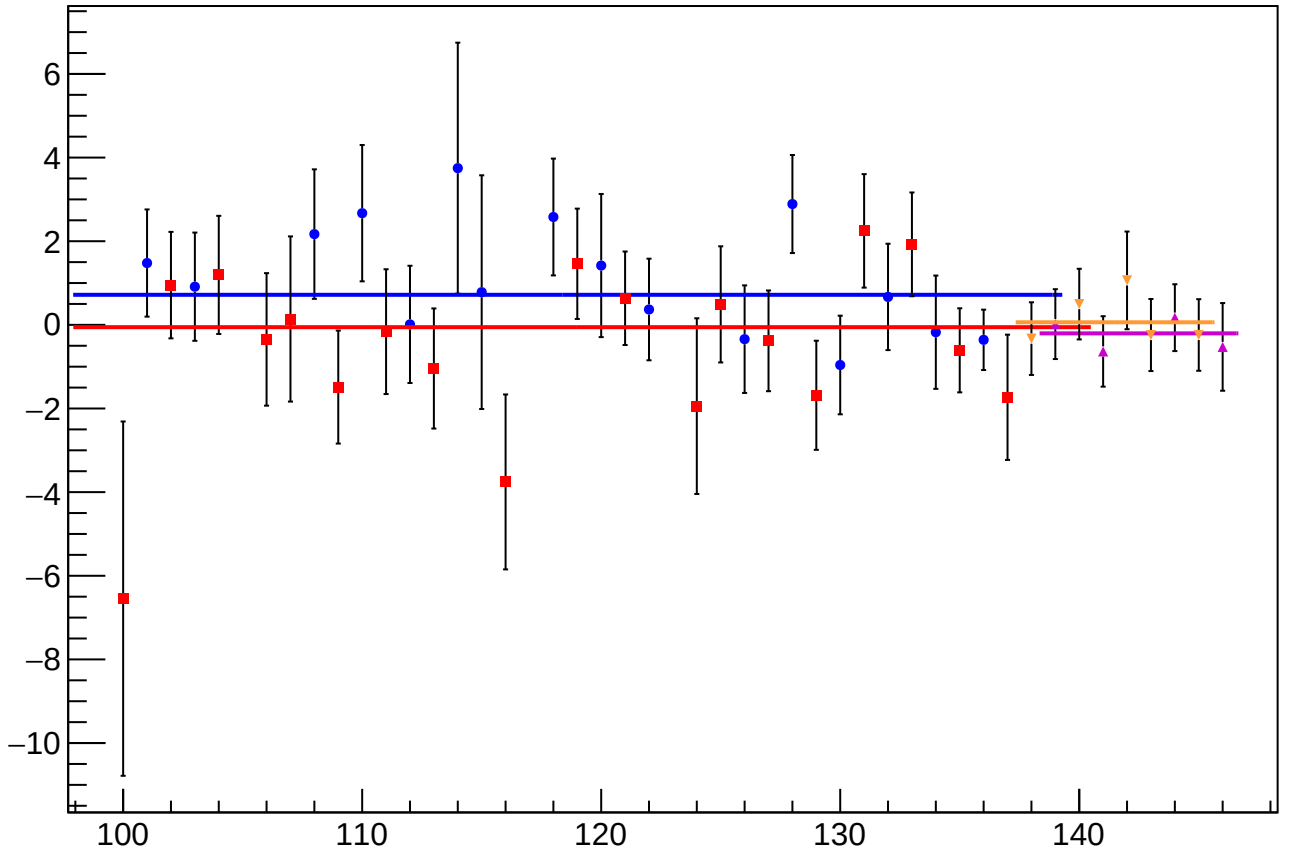
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -4.621+/-2.217 χ^2/NDF:12.6/19

Out: -1.570+/-2.158 χ^2/NDF:27.5/23

All: -3.055+/-1.546 χ^2/NDF: 41.1/43


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6399.901+/-2.366 χ²/NDF:33719.9/4
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6274.698+/-2.420 χ²/NDF:212461.8/3
Left: 6338.697+/-1.692 χ²/NDF: 247549.9/8
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 7028.218+/-1.568 χ²/NDF:1277132.8/19
Out: 7023.480+/-1.526 χ²/NDF:980947.6/23
All: 7025.785+/-1.094 χ²/NDF: 2258085.1/43



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.062+/-0.403 χ^2/NDF:1.5/4

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.203+/-0.434 χ^2/NDF:0.6/3

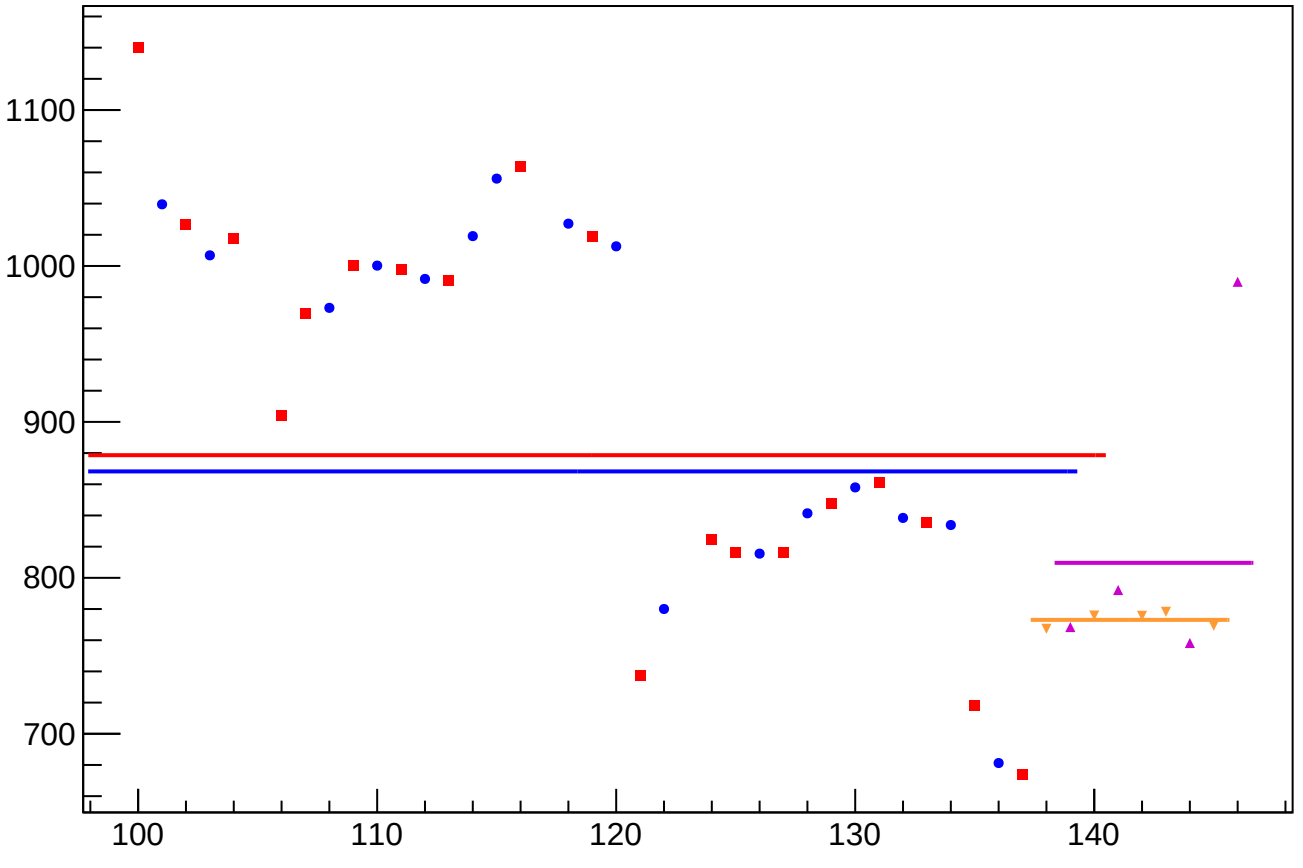
Left: -0.061+/-0.295 χ^2/NDF: 2.3/8

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.386+/-0.261 χ^2/NDF:18.3/19

Out: -0.010+/-0.252 χ^2/NDF:21.3/23

All: 0.182+/-0.181 χ^2/NDF: 40.8/43



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 773.048+/-0.285 χ^2/NDF:228.9/4

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 809.613+/-0.307 χ^2/NDF:73133.0/3

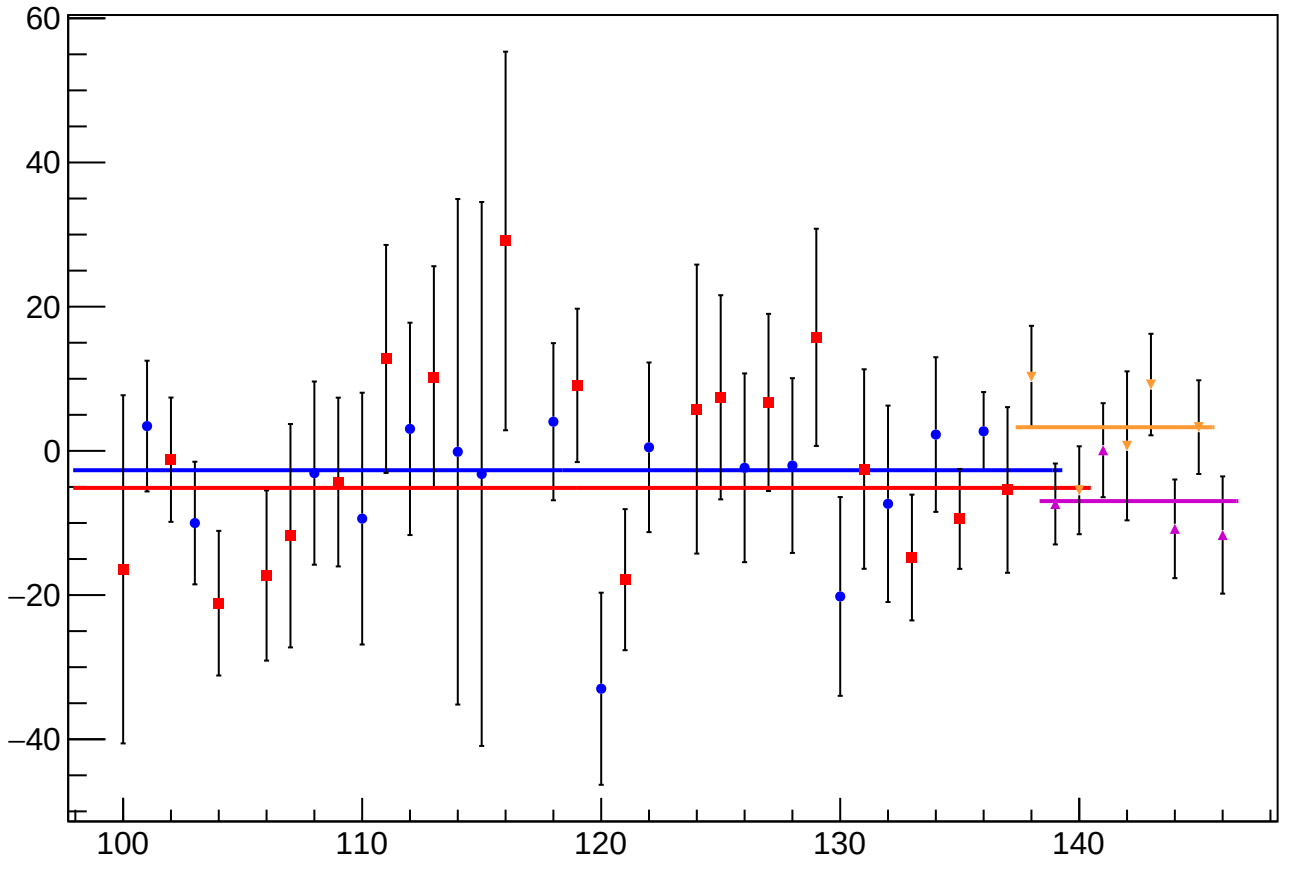
Left: 789.976+/-0.209 χ^2/NDF: 81002.1/8

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 847.078+/-0.184 χ^2/NDF:398919.9/19

Out: 837.236+/-0.178 χ^2/NDF:356433.9/23

All: 841.995+/-0.128 χ^2/NDF: 756828.3/43



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.280+/-3.161 χ^2/NDF:3.8/4

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -6.966+/-3.302 χ^2/NDF:1.8/3

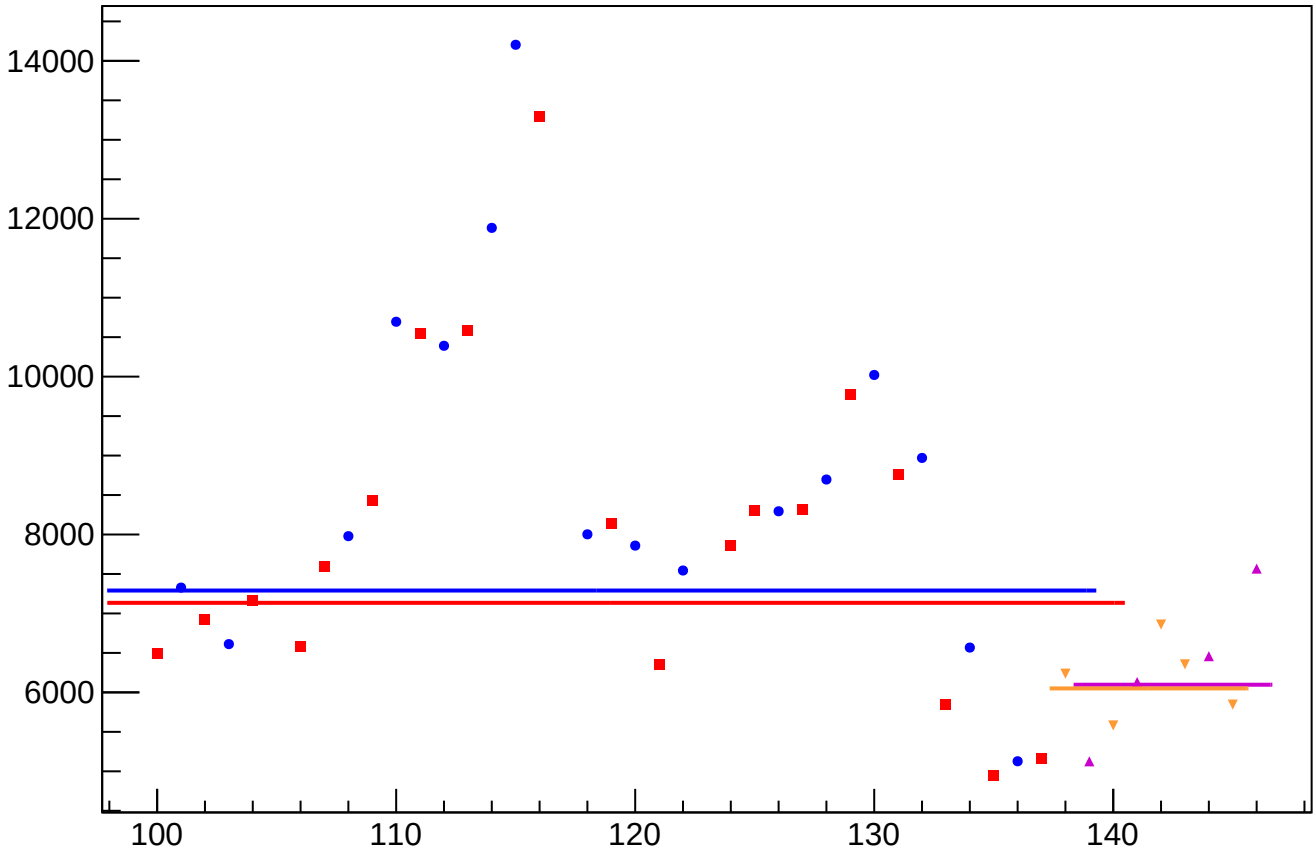
Left: -1.620+/-2.283 χ^2/NDF: 10.7/8

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -4.466+/-2.130 χ^2/NDF:12.9/19

Out: -1.599+/-2.049 χ^2/NDF:25.2/23

All: -2.977+/-1.477 χ^2/NDF: 39.0/43



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6050.285+/-2.235 χ^2/NDF:31239.7/4

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6097.045+/-2.335 χ^2/NDF:130849.9/3

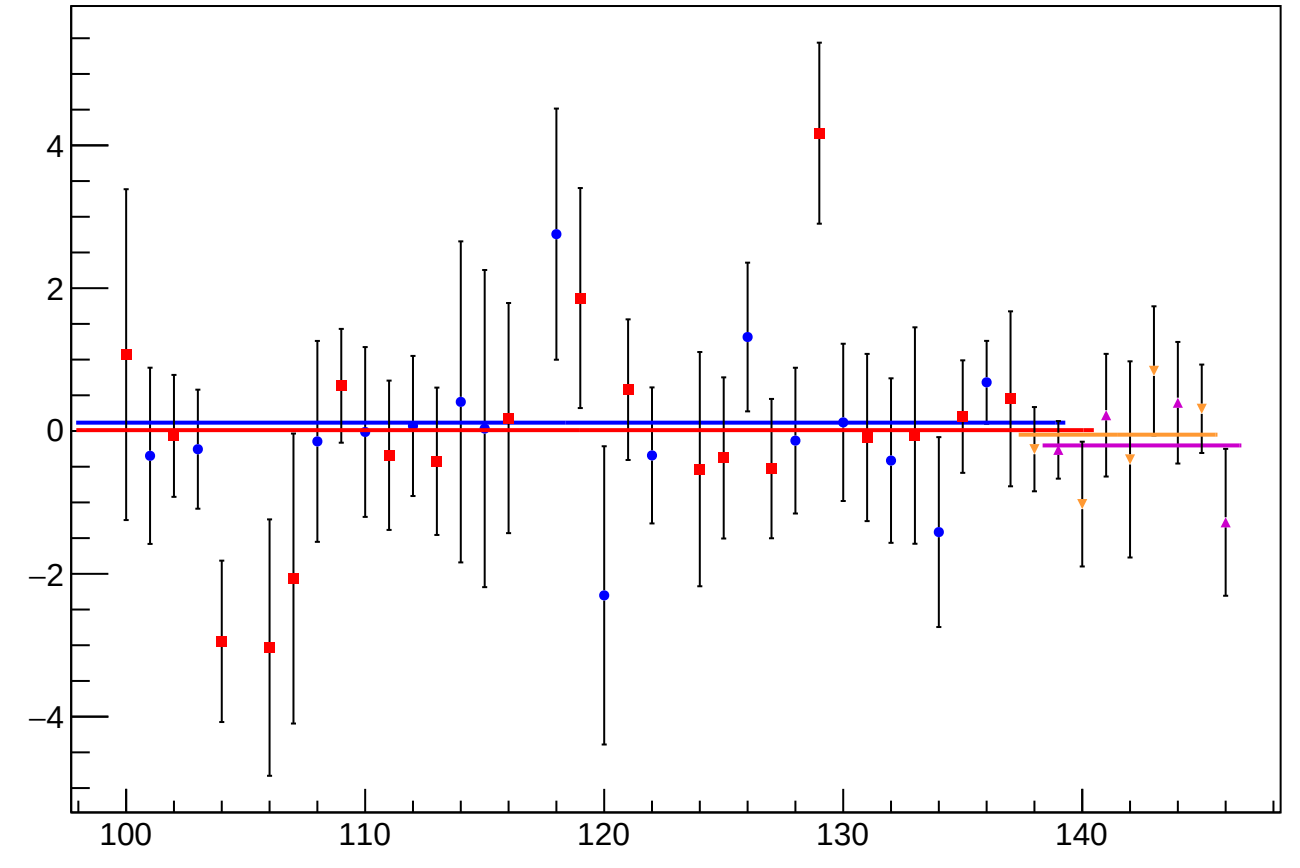
Left: 6072.650+/-1.614 χ^2/NDF: 162298.9/8

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6793.515+/-1.506 χ^2/NDF:1053851.0/19

Out: 6678.692+/-1.449 χ^2/NDF:960386.6/23

All: 6733.887+/-1.044 χ^2/NDF: 2017255.3/43



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.051+/-0.342 χ^2/NDF:2.7/4

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.202+/-0.319 χ^2/NDF:1.9/3

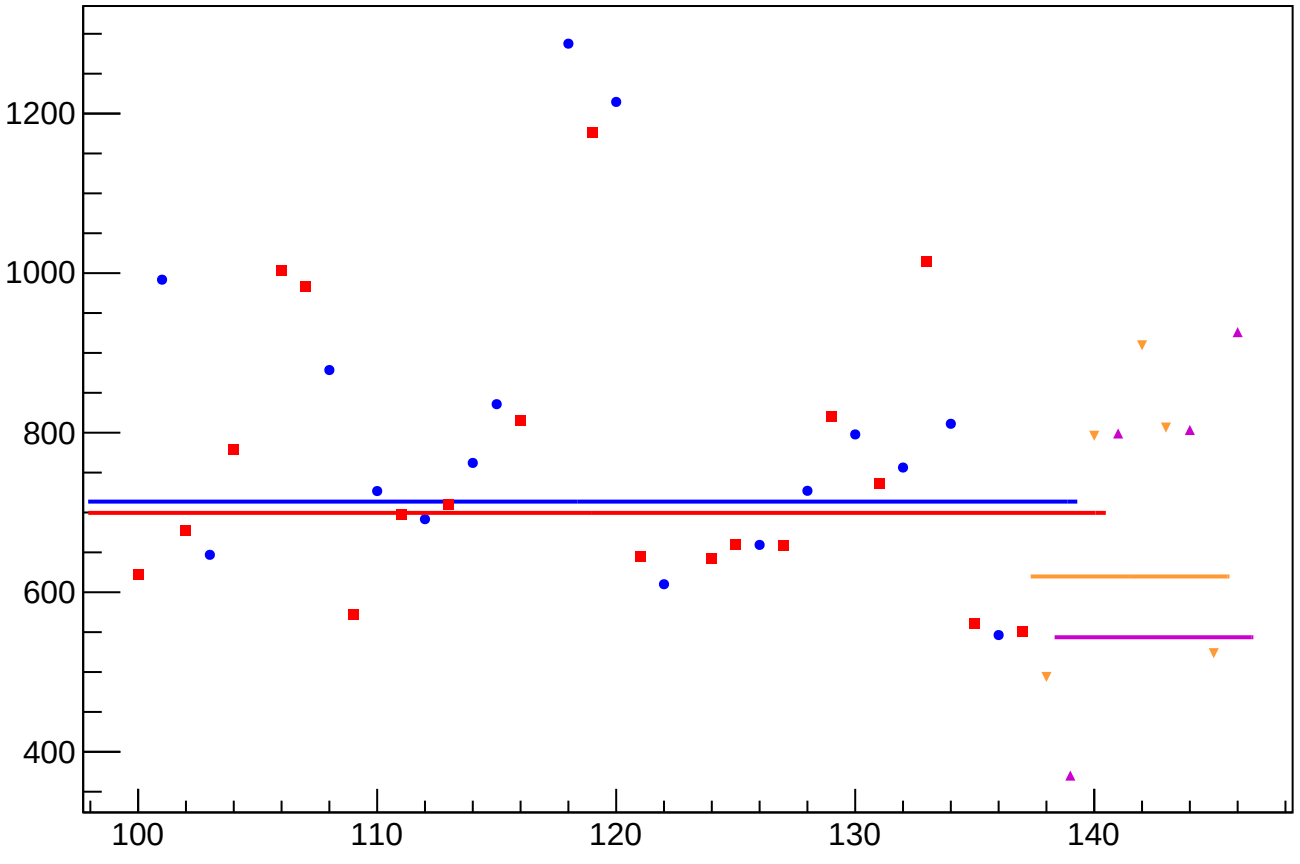
Left: -0.132+/-0.233 χ^2/NDF: 4.7/8

Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: -0.018+/-0.207 χ^2/NDF:10.5/19

Out: -0.012+/-0.209 χ^2/NDF:27.9/23

All: -0.015+/-0.147 χ^2/NDF: 38.5/43



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 619.777+/-0.242 χ^2/NDF:395196.2/4

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 543.597+/-0.226 χ^2/NDF:1009236.9/3

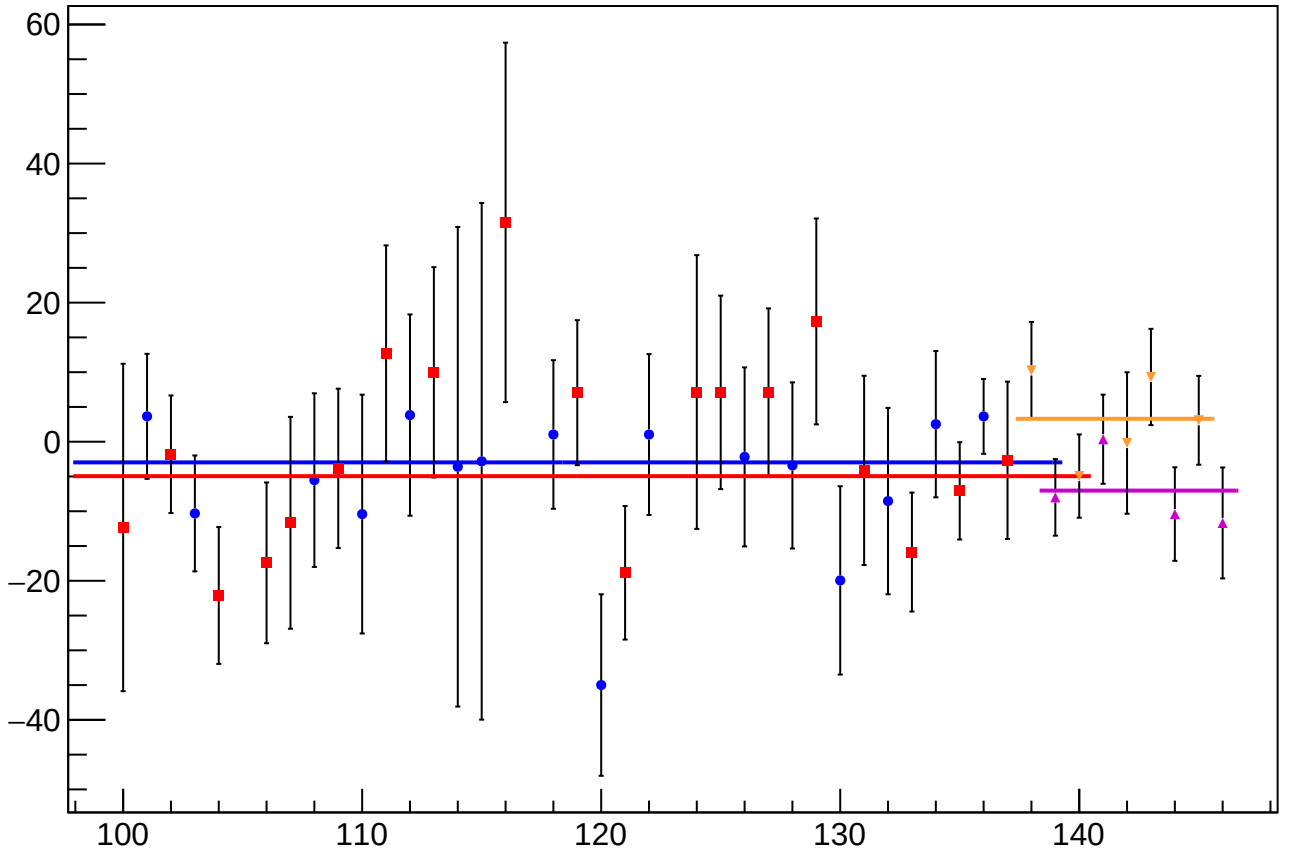
Left: 579.031+/-0.165 χ^2/NDF: 1457498.8/8

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 641.685+/-0.147 χ^2/NDF:2036407.7/19

Out: 669.851+/-0.147 χ^2/NDF:1039203.4/23

All: 655.692+/-0.104 χ^2/NDF: 3093940.9/43



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.297+/-3.108 χ^2/NDF:3.8/4

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -7.029+/-3.242 χ^2/NDF:2.0/3

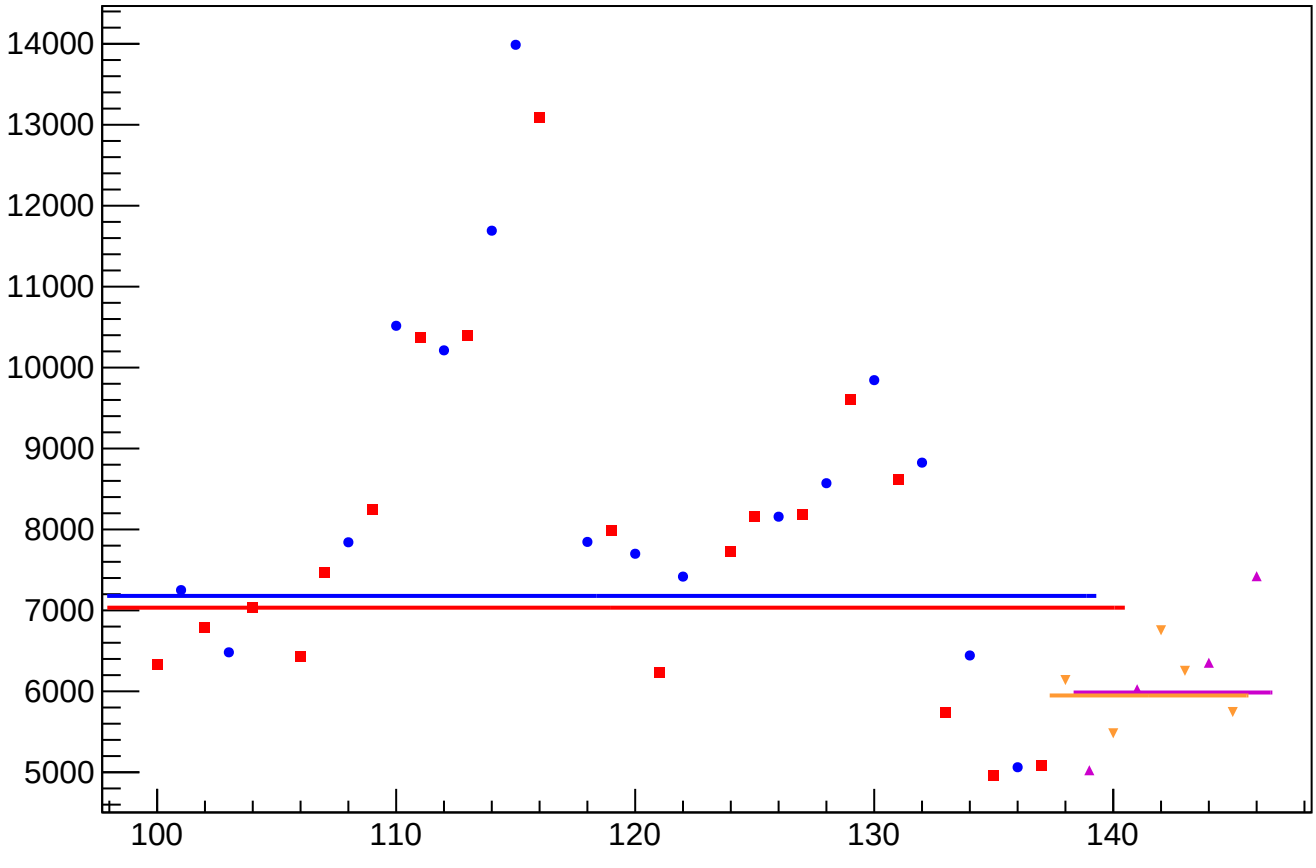
Left: -1.649+/-2.244 χ^2/NDF: 11.0/8

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -4.668+/-2.095 χ^2/NDF:14.4/19

Out: -1.477+/-2.018 χ^2/NDF:26.3/23

All: -3.012+/-1.454 χ^2/NDF: 41.9/43



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 5948.792+/-2.198 χ^2/NDF:32128.9/4

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 5985.433+/-2.292 χ^2/NDF:131863.1/3

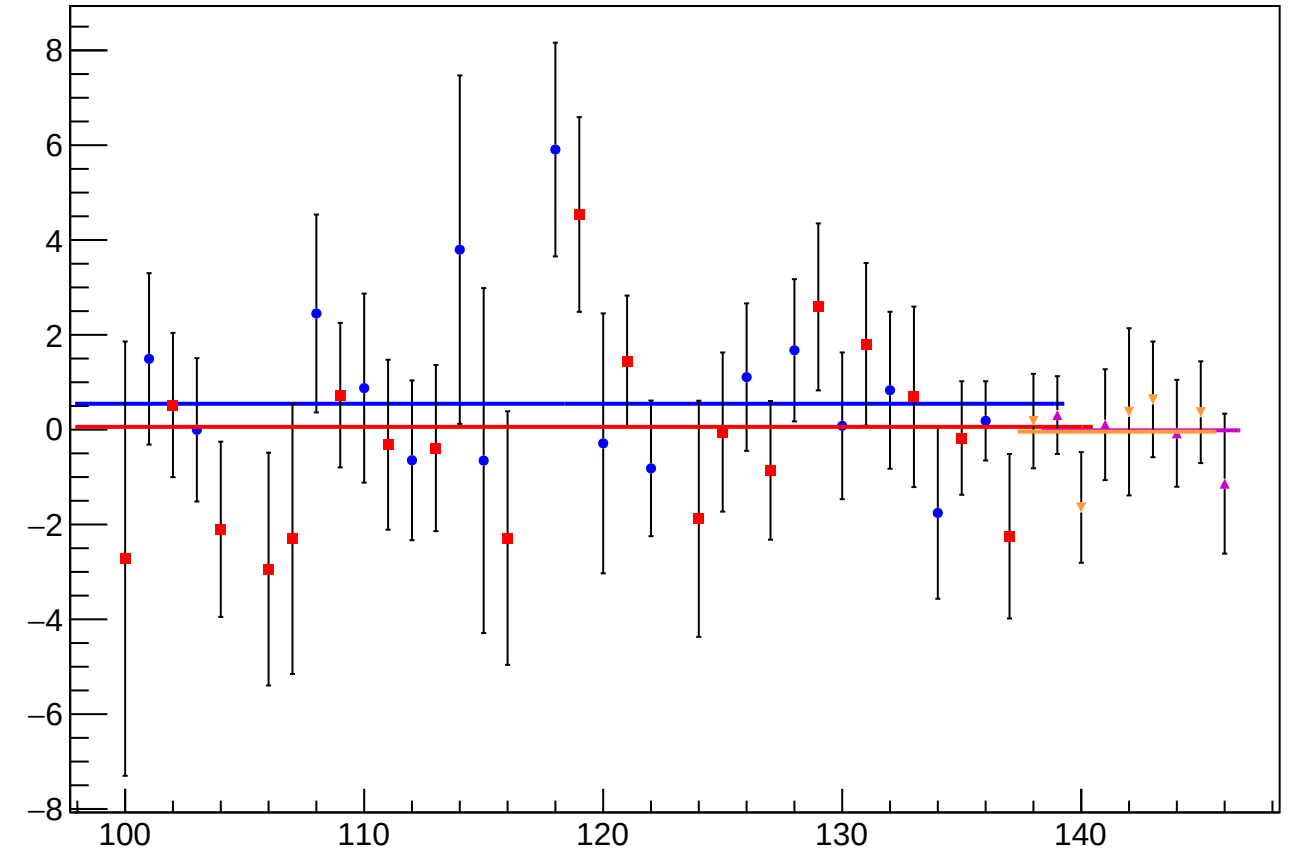
Left: 5966.342+/-1.587 χ^2/NDF: 164125.1/8

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6680.347+/-1.482 χ^2/NDF:1051620.4/19

Out: 6576.322+/-1.427 χ^2/NDF:939427.9/23

All: 6626.379+/-1.028 χ^2/NDF: 1993605.6/43



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.042+/-0.527 χ^2/NDF:2.4/4

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.014+/-0.537 χ^2/NDF:0.7/3

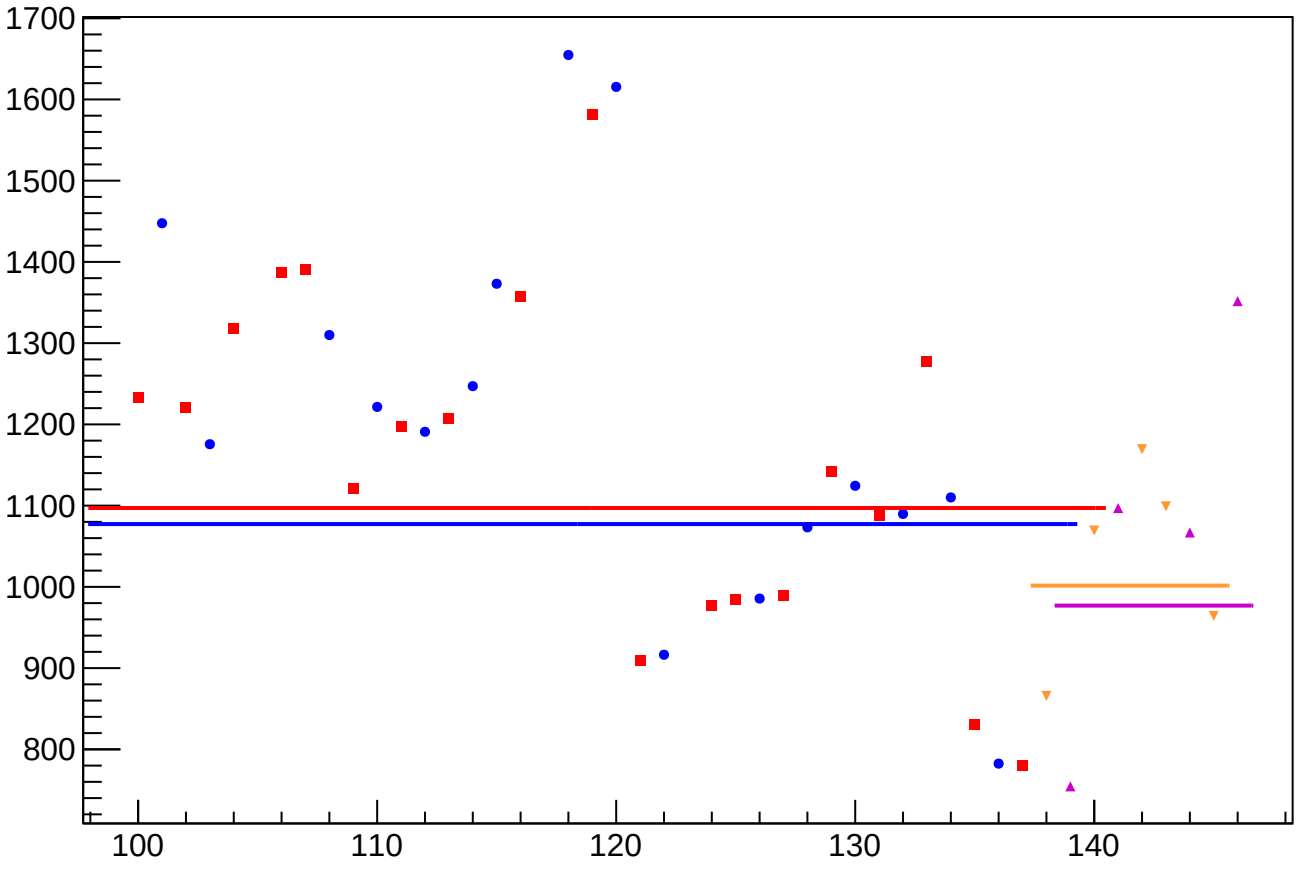
Left: -0.028+/-0.376 χ^2/NDF: 3.2/8

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.340+/-0.326 χ^2/NDF:13.4/19

Out: 0.021+/-0.323 χ^2/NDF:19.3/23

All: 0.179+/-0.230 χ^2/NDF: 33.2/43



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1001.557+/-0.373 χ^2/NDF:77199.5/4

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 976.943+/-0.380 χ^2/NDF:310056.0/3

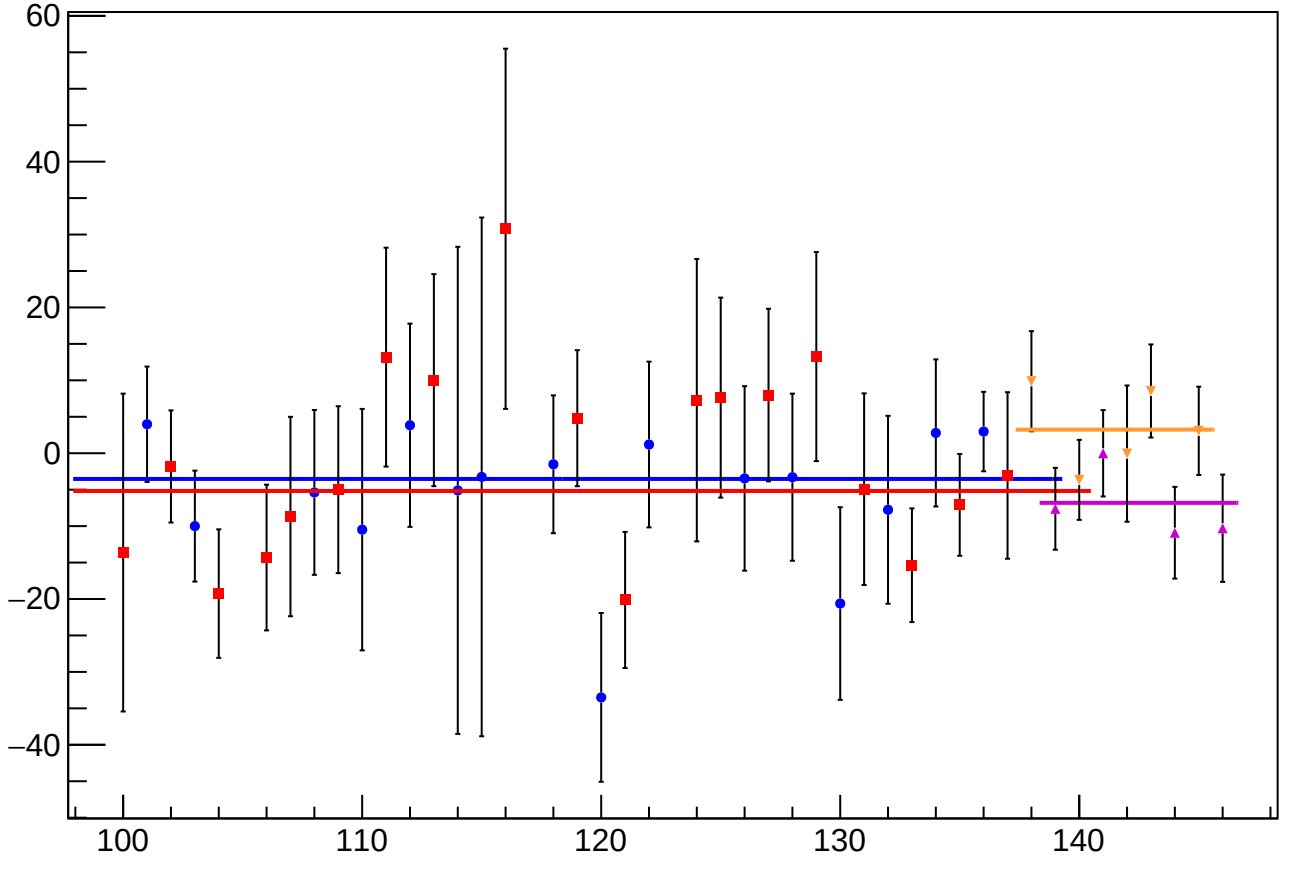
Left: 989.490+/-0.266 χ^2/NDF: 389395.6/8

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1040.265+/-0.231 χ^2/NDF:1000618.1/19

Out: 1061.194+/-0.228 χ^2/NDF:602629.2/23

All: 1050.838+/-0.162 χ^2/NDF: 1607401.9/43



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.236+/-2.915 χ^2/NDF:3.3/4

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -6.806+/-3.102 χ^2/NDF:2.0/3

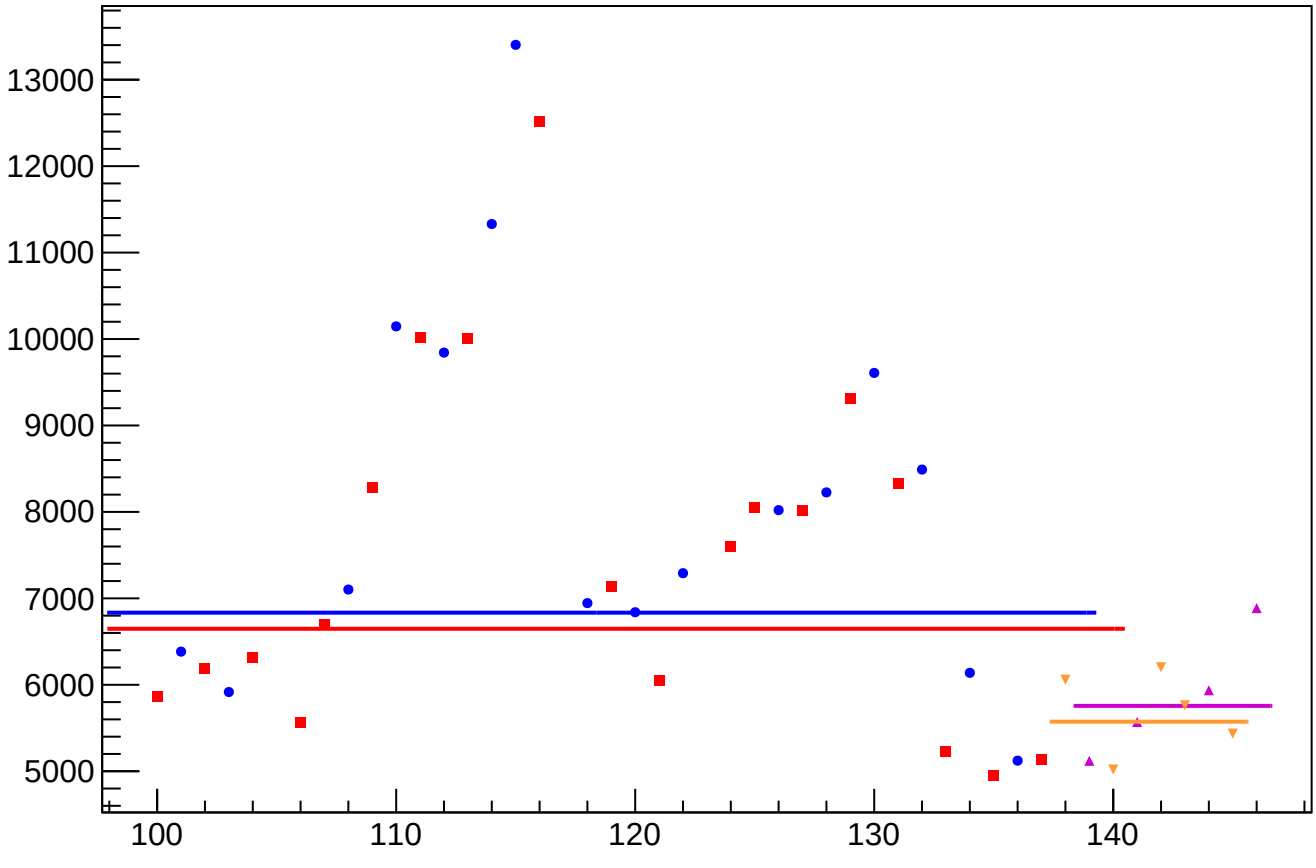
Left: -1.474+/-2.124 χ^2/NDF: 10.9/8

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -4.885+/-1.996 χ^2/NDF:15.3/19

Out: -1.598+/-1.901 χ^2/NDF:26.3/23

All: -3.162+/-1.377 χ^2/NDF: 43.0/43



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5573.218+/-2.062 χ^2/NDF:42213.2/4

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5756.079+/-2.194 χ^2/NDF:76451.8/3

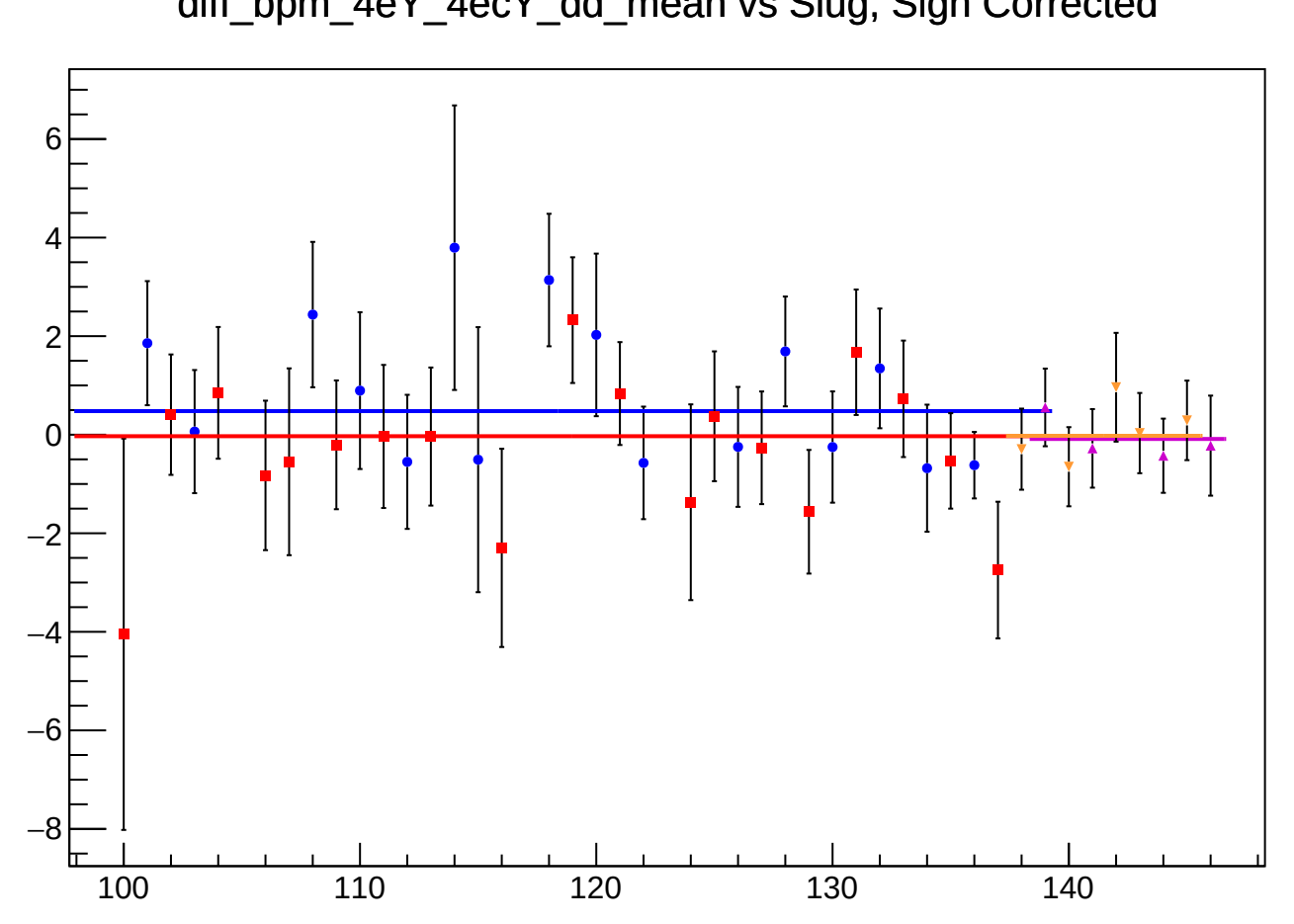
Left: 5658.980+/-1.502 χ^2/NDF: 122355.1/8

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6387.804+/-1.412 χ^2/NDF:910738.5/19

Out: 6190.909+/-1.344 χ^2/NDF:983525.7/23

All: 6284.557+/-0.974 χ^2/NDF: 1904466.0/43



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.022+/-0.381 χ^2/NDF:1.7/4

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.086+/-0.411 χ^2/NDF:0.9/3

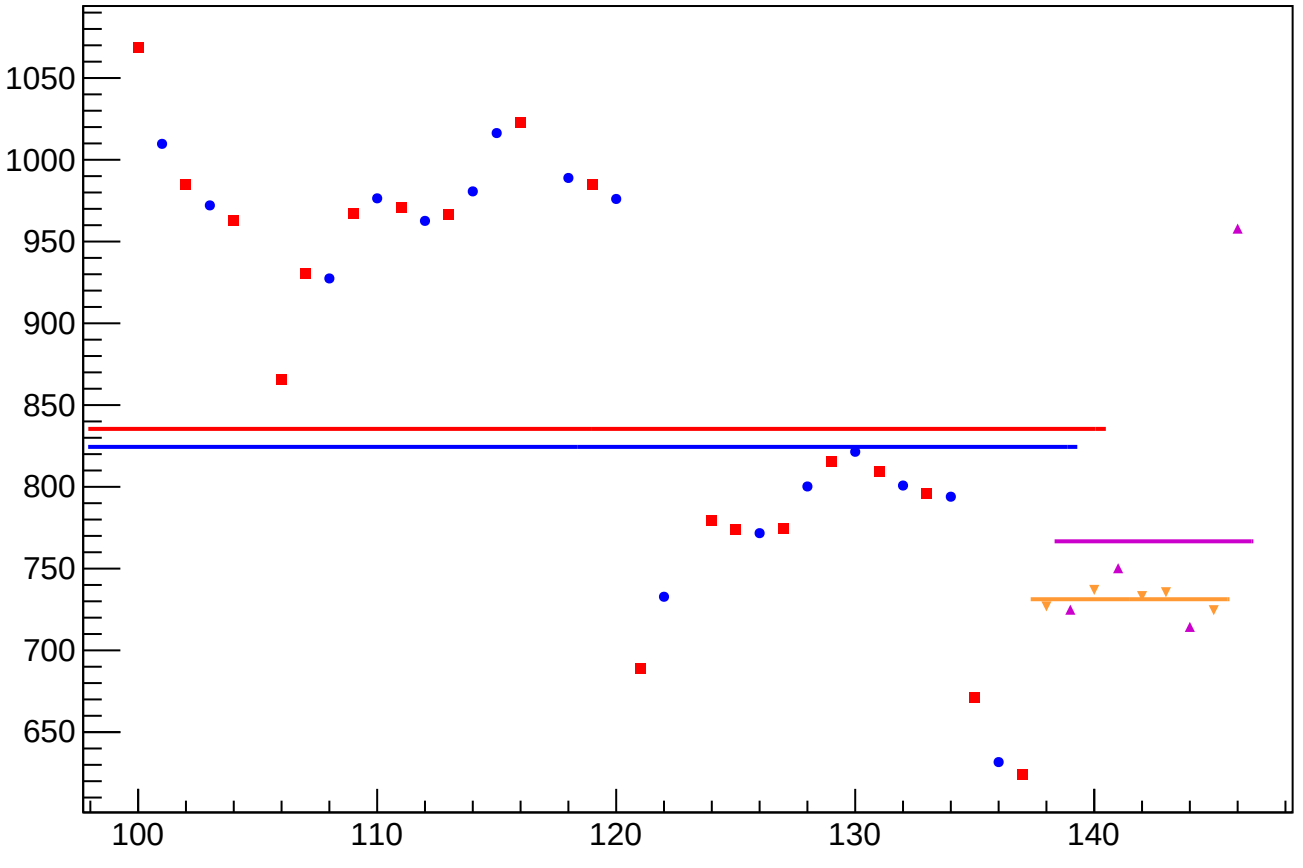
Left: -0.052+/-0.279 χ^2/NDF: 2.6/8

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.273+/-0.248 χ^2/NDF:18.9/19

Out: -0.027+/-0.240 χ^2/NDF:17.4/23

All: 0.118+/-0.172 χ^2/NDF: 37.0/43



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 731.271+/-0.269 χ^2/NDF:357.4/4

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 766.689+/-0.291 χ^2/NDF:87096.8/3

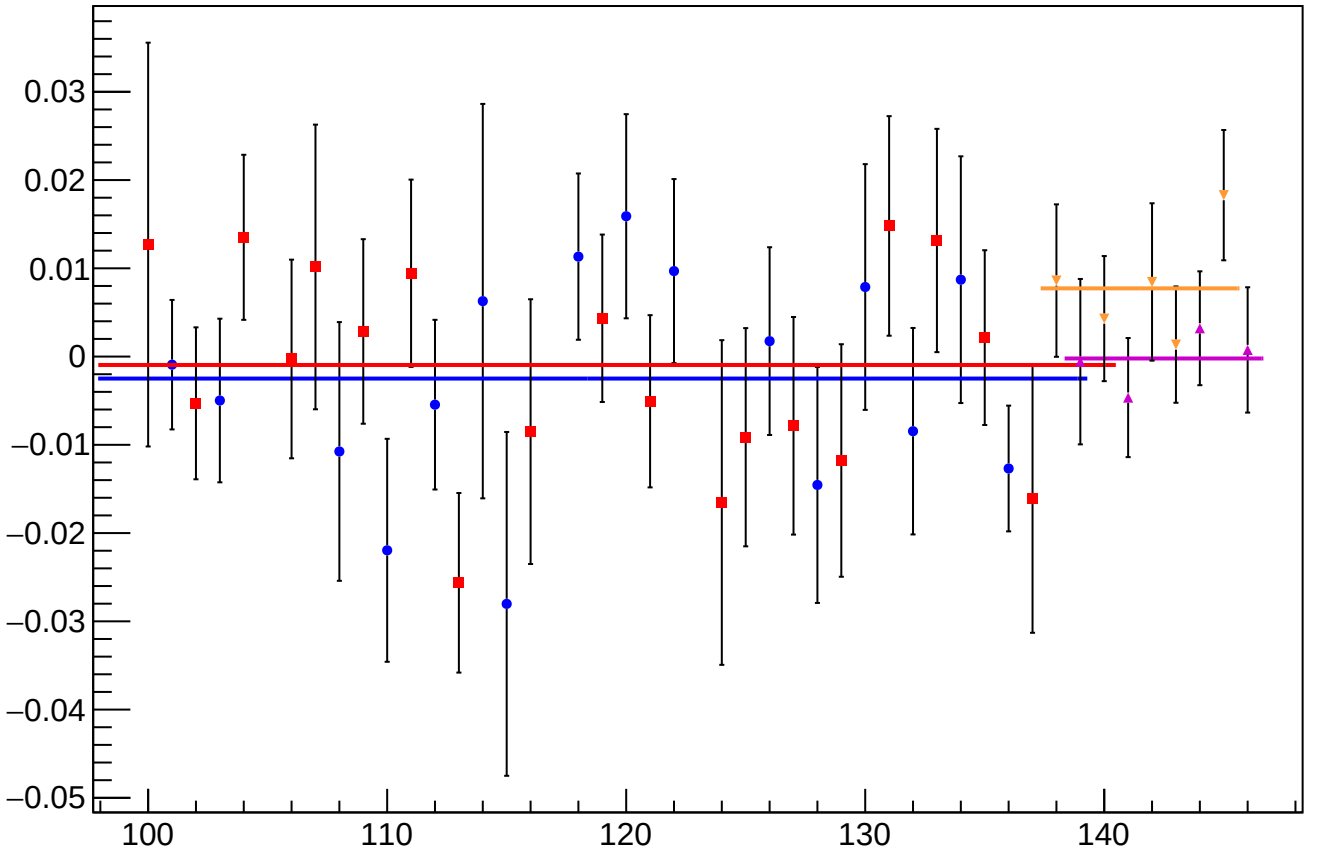
Left: 747.632+/-0.198 χ^2/NDF: 95442.9/8

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 803.429+/-0.175 χ^2/NDF:477668.4/19

Out: 794.166+/-0.170 χ^2/NDF:409977.1/23

All: 798.642+/-0.122 χ^2/NDF: 889088.4/43



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.008+/-0.003 χ^2/NDF:3.2/4

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.000+/-0.004 χ^2/NDF:0.7/3

Left: 0.004+/-0.002 χ^2/NDF: 6.5/8

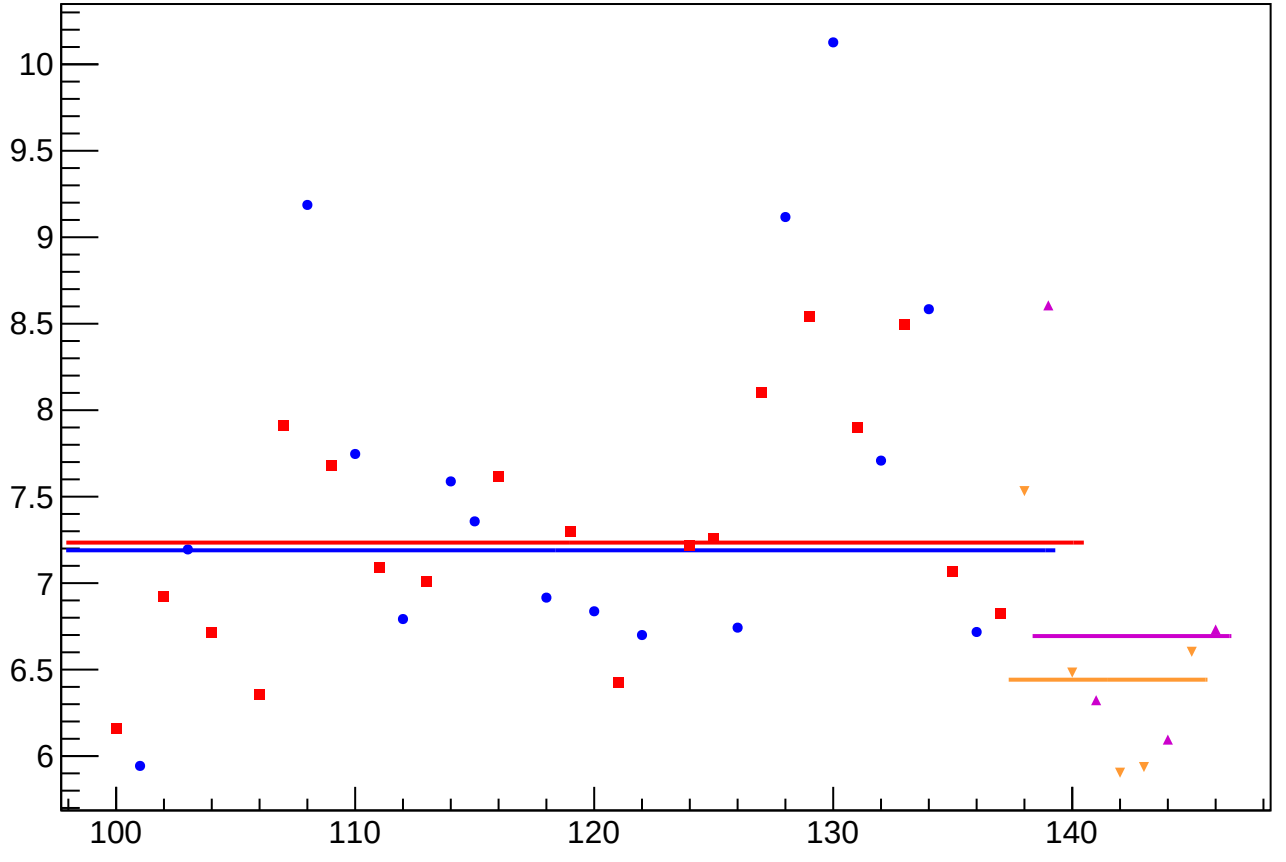
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.002+/-0.002 χ^2/NDF:16.3/19

Out: 0.002+/-0.002 χ^2/NDF:24.6/23

All: 0.000+/-0.002 χ^2/NDF: 42.7/43

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.442+/-0.002 χ^2/NDF:51916.4/4

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.694+/-0.003 χ^2/NDF:106575.2/3

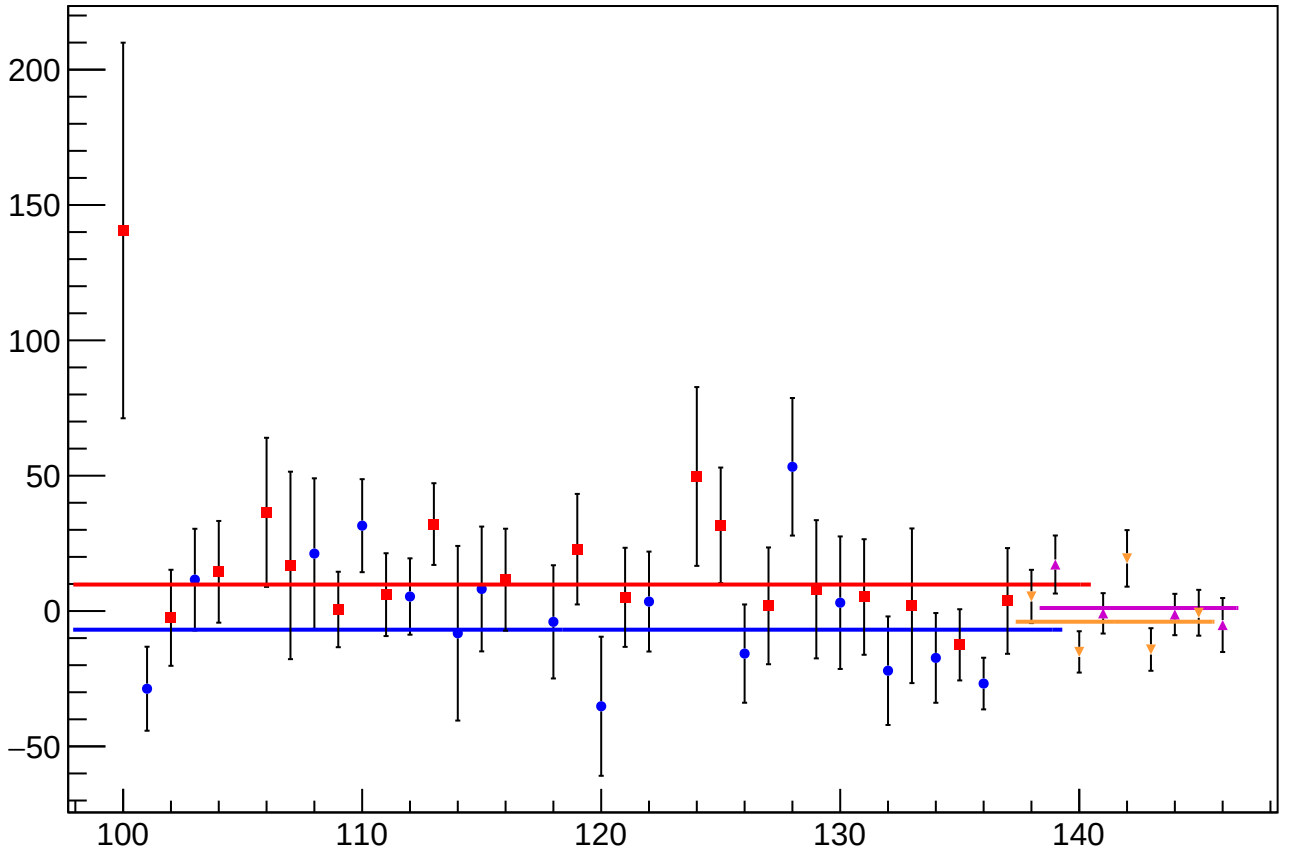
Left: 6.560+/-0.002 χ^2/NDF: 163703.4/8

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.010+/-0.002 χ^2/NDF:408449.2/19

Out: 6.932+/-0.001 χ^2/NDF:226000.4/23

All: 6.970+/-0.001 χ^2/NDF: 635809.5/43



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -3.946+/-3.870 χ^2/NDF:9.9/4

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 1.118+/-4.309 χ^2/NDF:2.8/3

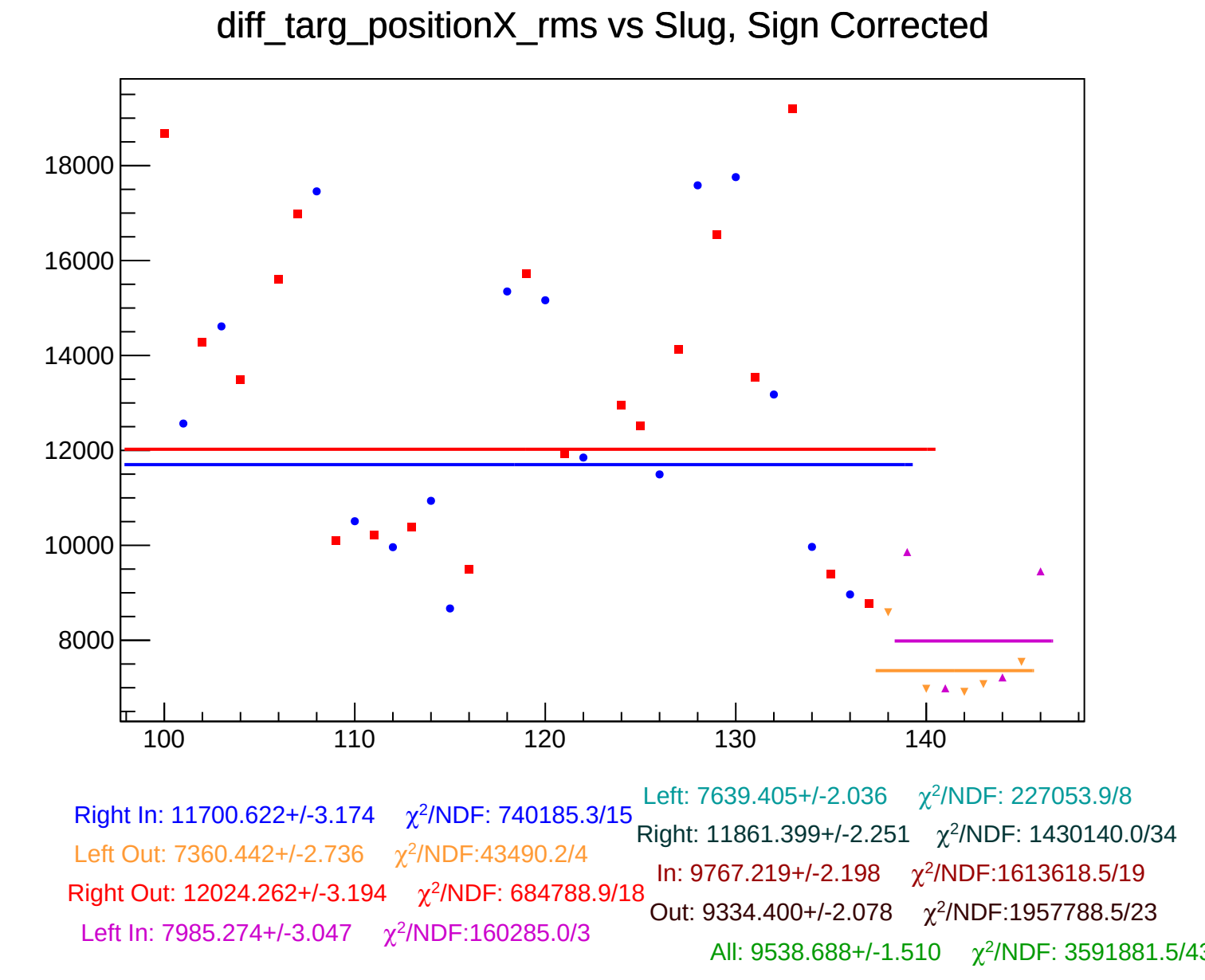
Left: -1.685+/-2.879 χ^2/NDF: 13.5/8

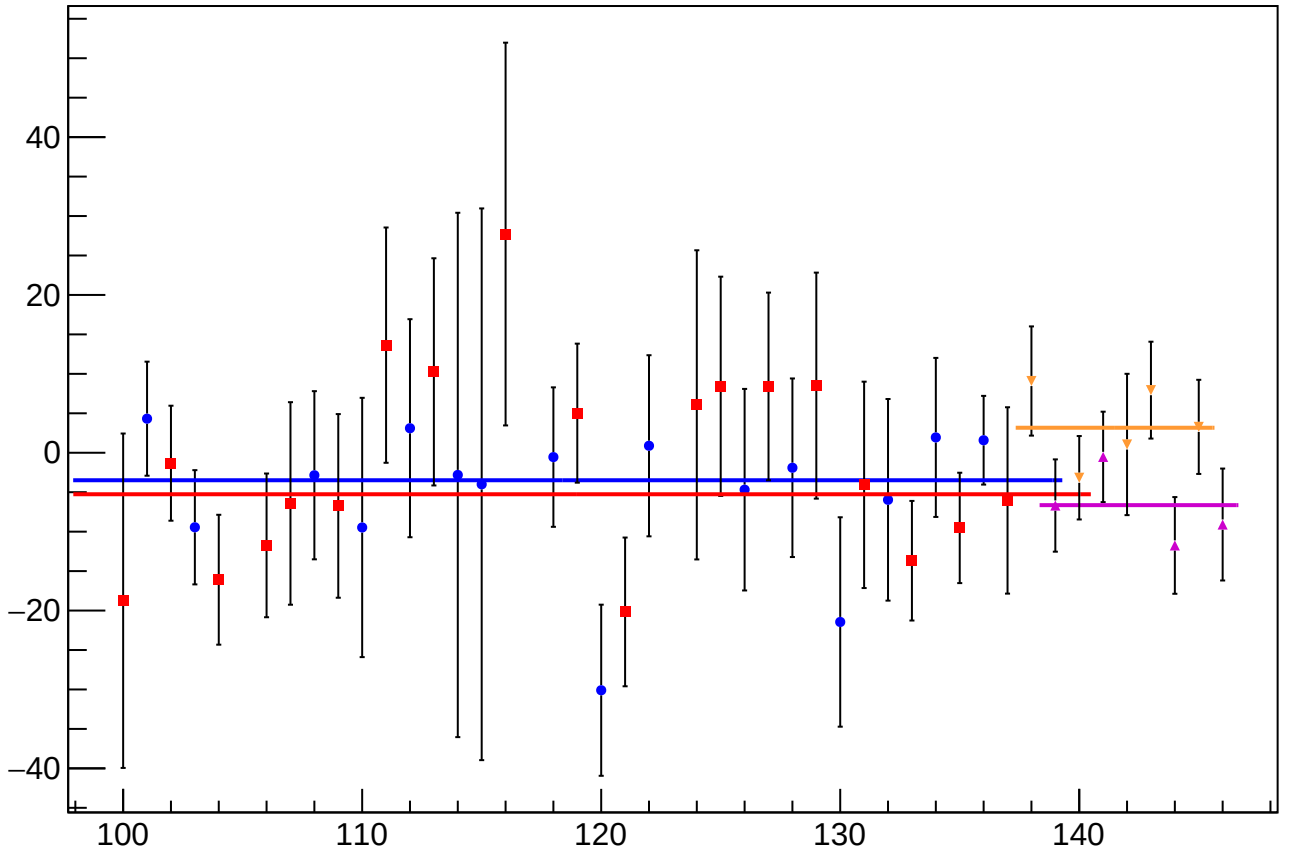
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -2.723+/-3.108 χ^2/NDF:27.5/19

Out: 1.868+/-2.939 χ^2/NDF:29.2/23

All: -0.299+/-2.136 χ^2/NDF: 57.9/43


diff_targ_positionX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
100
110
120
130
140
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 7360.442+/-2.736 χ²/NDF:43490.2/4
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 7985.274+/-3.047 χ²/NDF:160285.0/3
Left: 7639.405+/-2.036 χ²/NDF: 227053.9/8
Right: 11861.399+/-2.251 χ²/NDF: 1430140.0/34
In: 9767.219+/-2.198 χ²/NDF:1613618.5/19
Out: 9334.400+/-2.078 χ²/NDF:1957788.5/23
All: 9538.688+/-1.510 χ²/NDF: 3591881.5/43



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.169+/-2.842 χ^2/NDF:2.8/4

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -6.640+/-3.068 χ^2/NDF:2.0/3

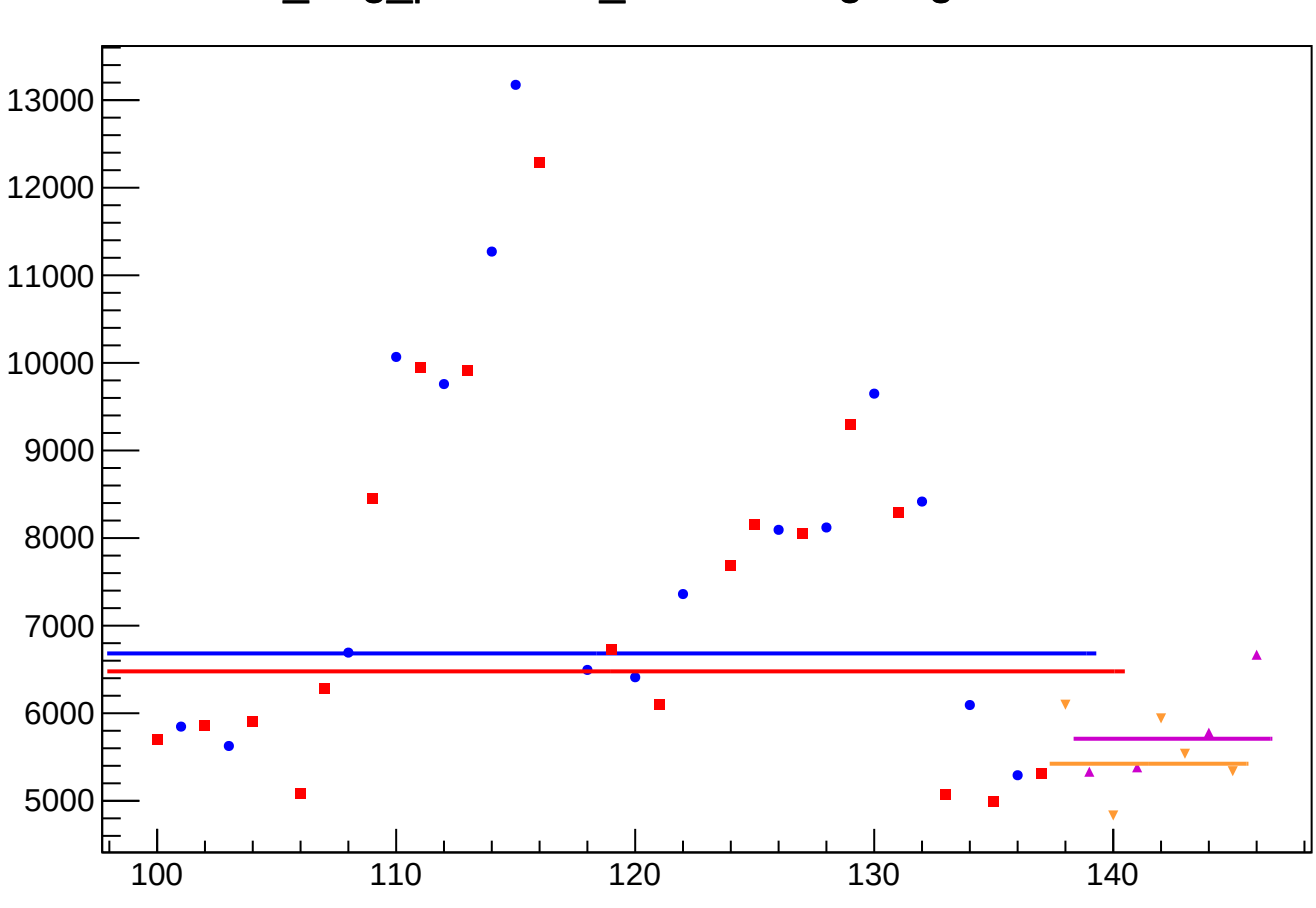
Left: -1.361+/-2.085 χ^2/NDF: 10.3/8

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -4.774+/-1.961 χ^2/NDF:14.1/19

Out: -1.673+/-1.854 χ^2/NDF:24.5/23

All: -3.136+/-1.347 χ^2/NDF: 39.9/43



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5423.729+/-2.010 χ^2/NDF:51711.7/4

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5708.914+/-2.170 χ^2/NDF:51599.5/3

Left: 5555.431+/-1.474 χ^2/NDF: 112608.9/8

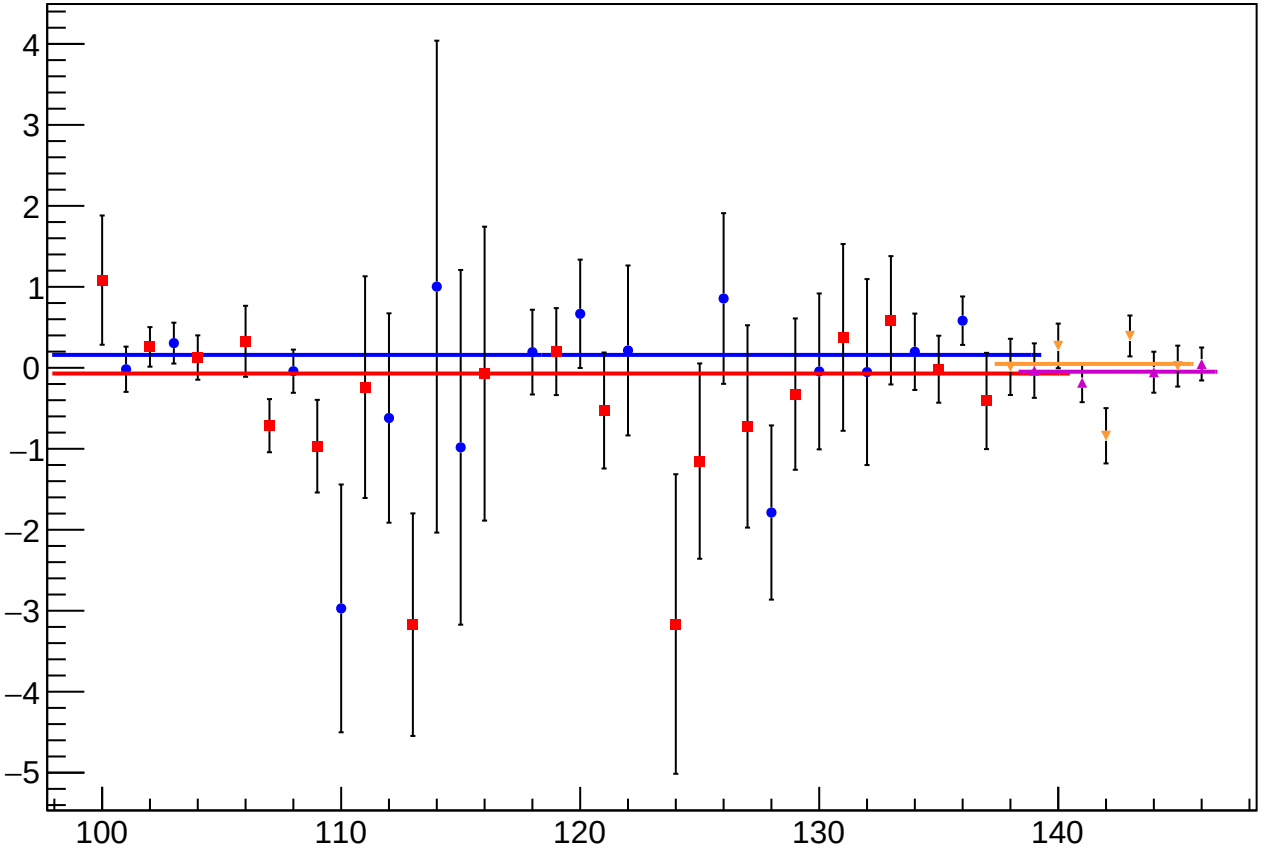
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6285.146+/-1.387 χ^2/NDF:863027.1/19

Out: 6029.453+/-1.311 χ^2/NDF:1049039.5/23

All: 6150.144+/-0.953 χ^2/NDF: 1930019.2/43

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.048+/-0.128 χ^2/NDF:9.3/4

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.048+/-0.123 χ^2/NDF:0.5/3

Left: -0.002+/-0.089 χ^2/NDF: 10.1/8

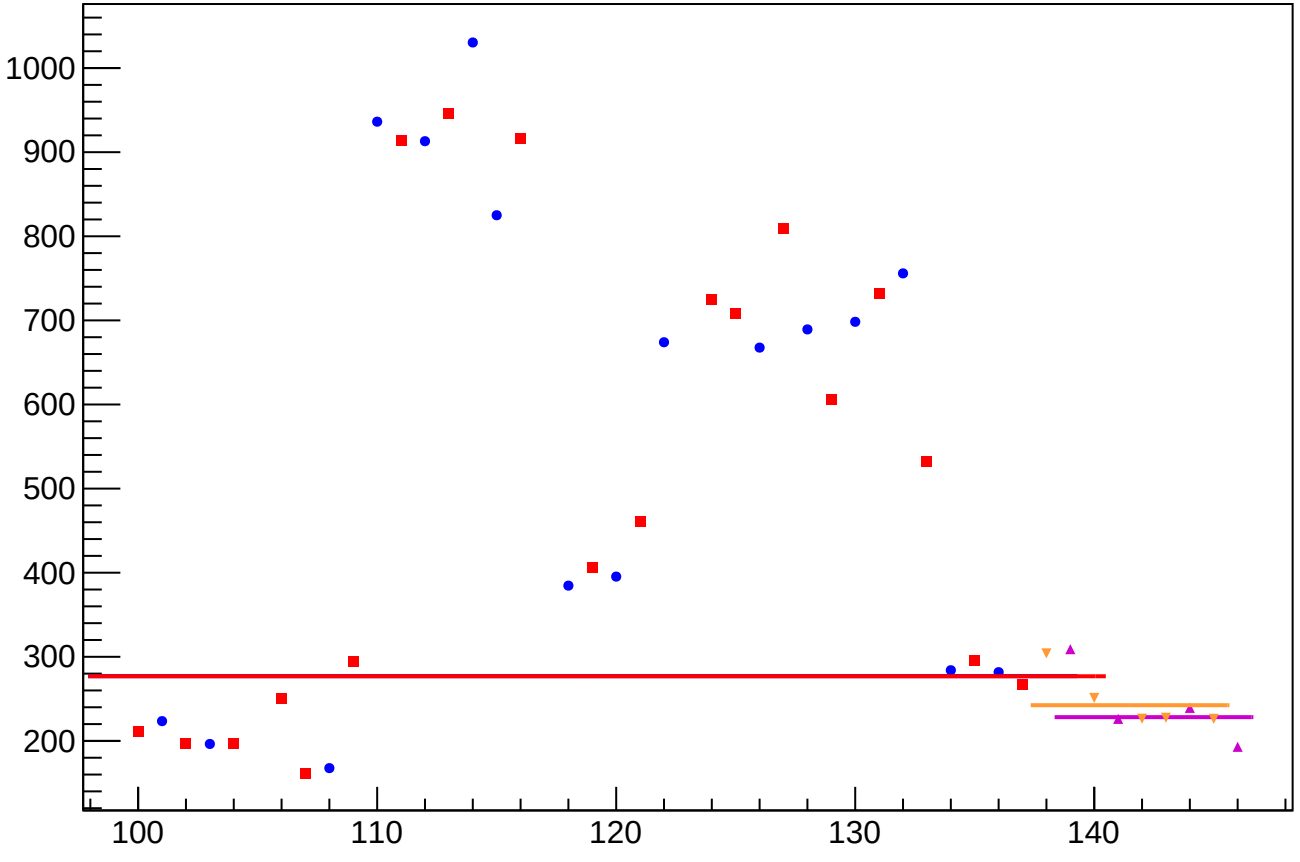
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.059+/-0.086 χ^2/NDF:14.6/19

Out: -0.015+/-0.087 χ^2/NDF:32.2/23

All: 0.023+/-0.061 χ^2/NDF: 47.2/43

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 242.444+/-0.090 χ^2/NDF:84586.2/4

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 228.259+/-0.087 χ^2/NDF:179427.3/3

Left: 235.106+/-0.063 χ^2/NDF: 276793.4/8

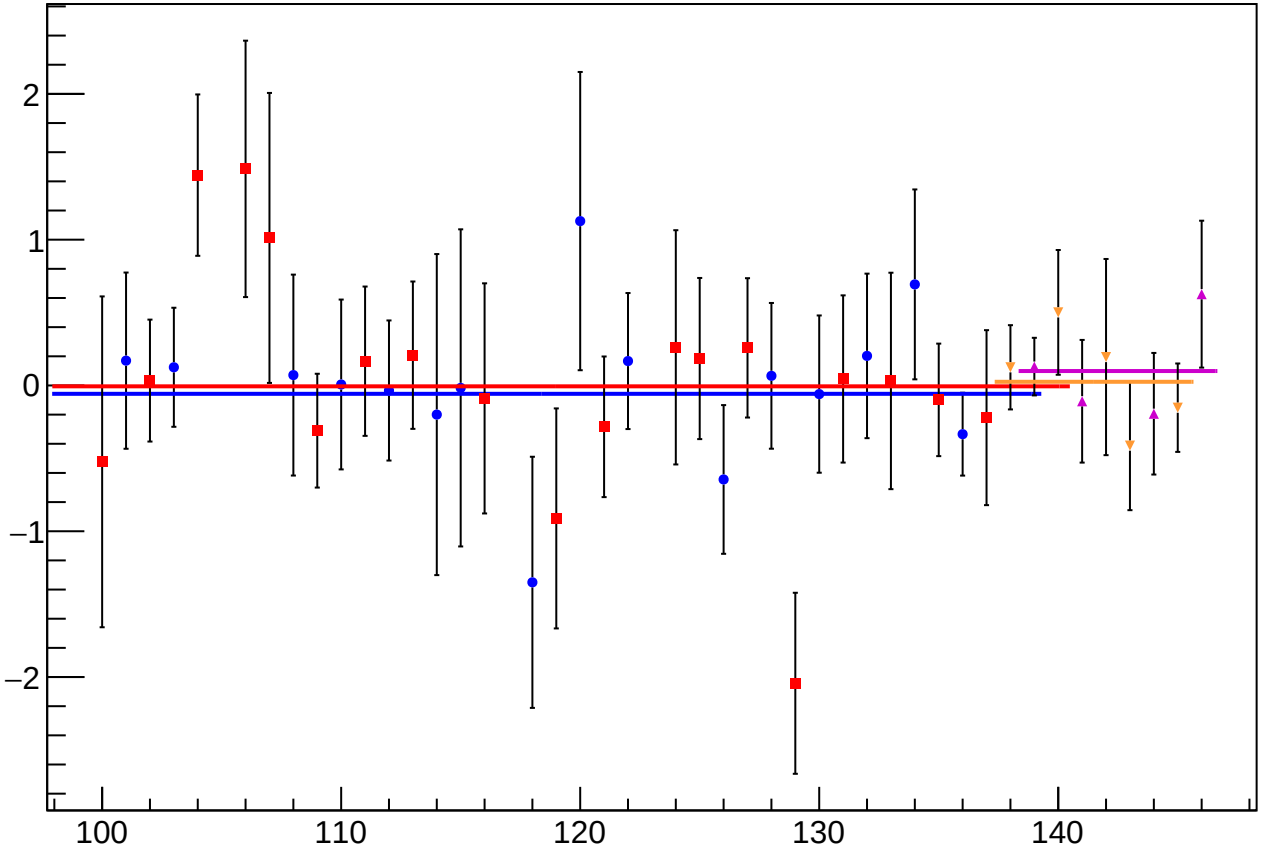
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 253.380+/-0.061 χ^2/NDF:3791151.8/19

Out: 260.757+/-0.062 χ^2/NDF:3733610.8/23

All: 257.006+/-0.043 χ^2/NDF: 7532023.2/43

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.025+/-0.168 χ^2/NDF:2.7/4

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: 0.099+/-0.156 χ^2/NDF:1.9/3

Left: 0.065+/-0.114 χ^2/NDF: 4.7/8

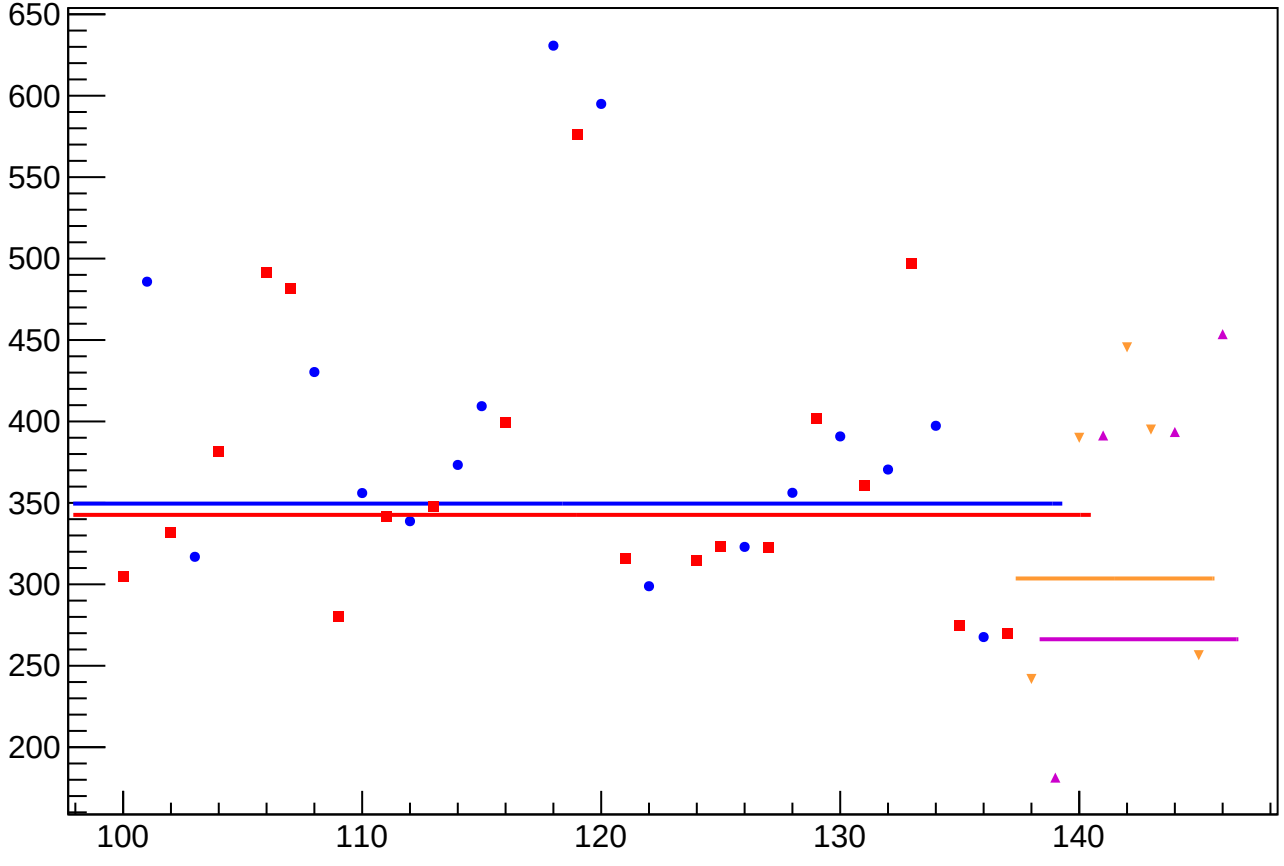
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: 0.009+/-0.102 χ^2/NDF:10.5/19

Out: 0.006+/-0.102 χ^2/NDF:27.9/23

All: 0.007+/-0.072 χ^2/NDF: 38.5/43

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 303.589+/-0.118 χ^2/NDF:395196.2/4

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 266.273+/-0.110 χ^2/NDF:1009236.9/3

Left: 283.630+/-0.081 χ^2/NDF: 1457498.8/8

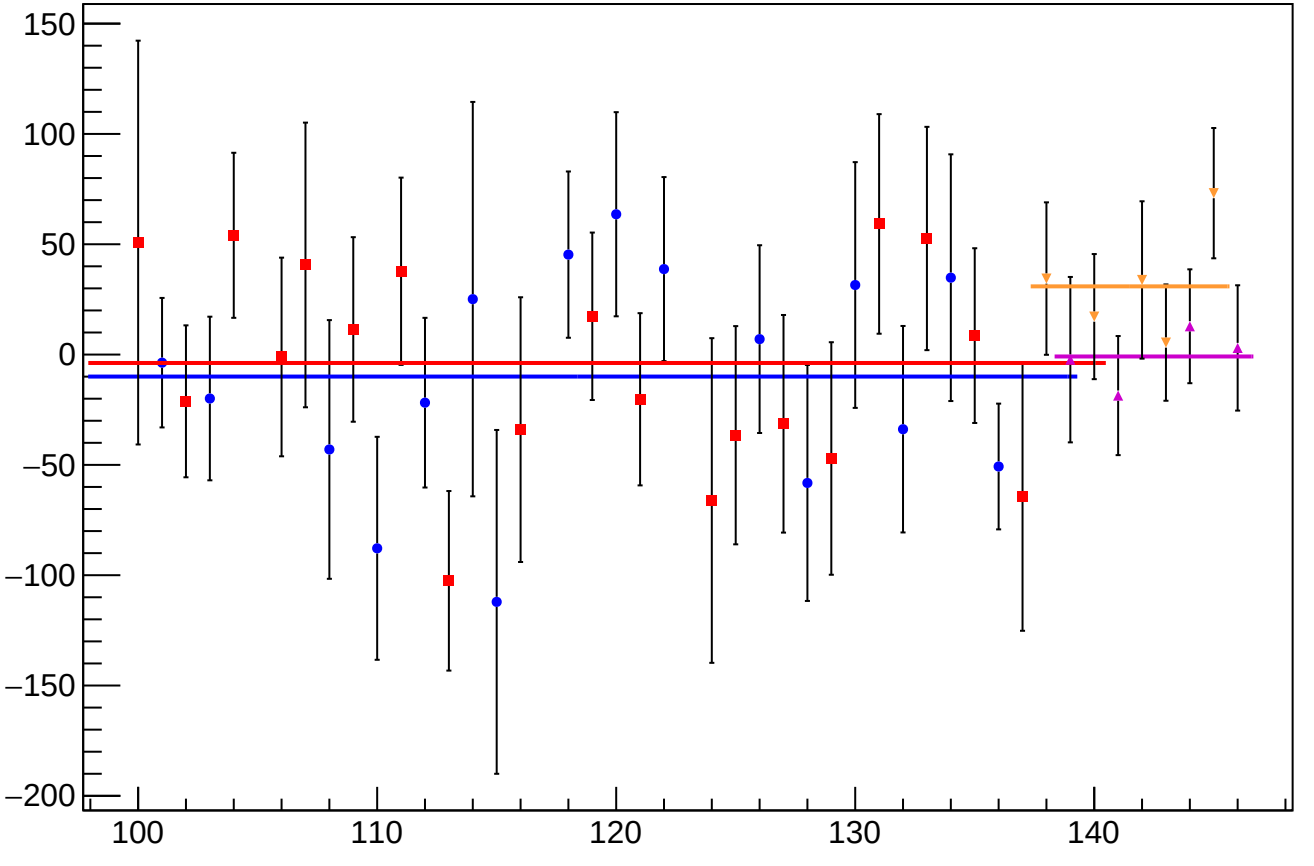
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 314.321+/-0.072 χ^2/NDF:2036407.7/19

Out: 328.117+/-0.072 χ^2/NDF:1039203.4/23

All: 321.182+/-0.051 χ^2/NDF: 3093940.9/43

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 30.910+/-13.541 χ^2/NDF:3.2/4

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -0.865+/-14.395 χ^2/NDF:0.7/3

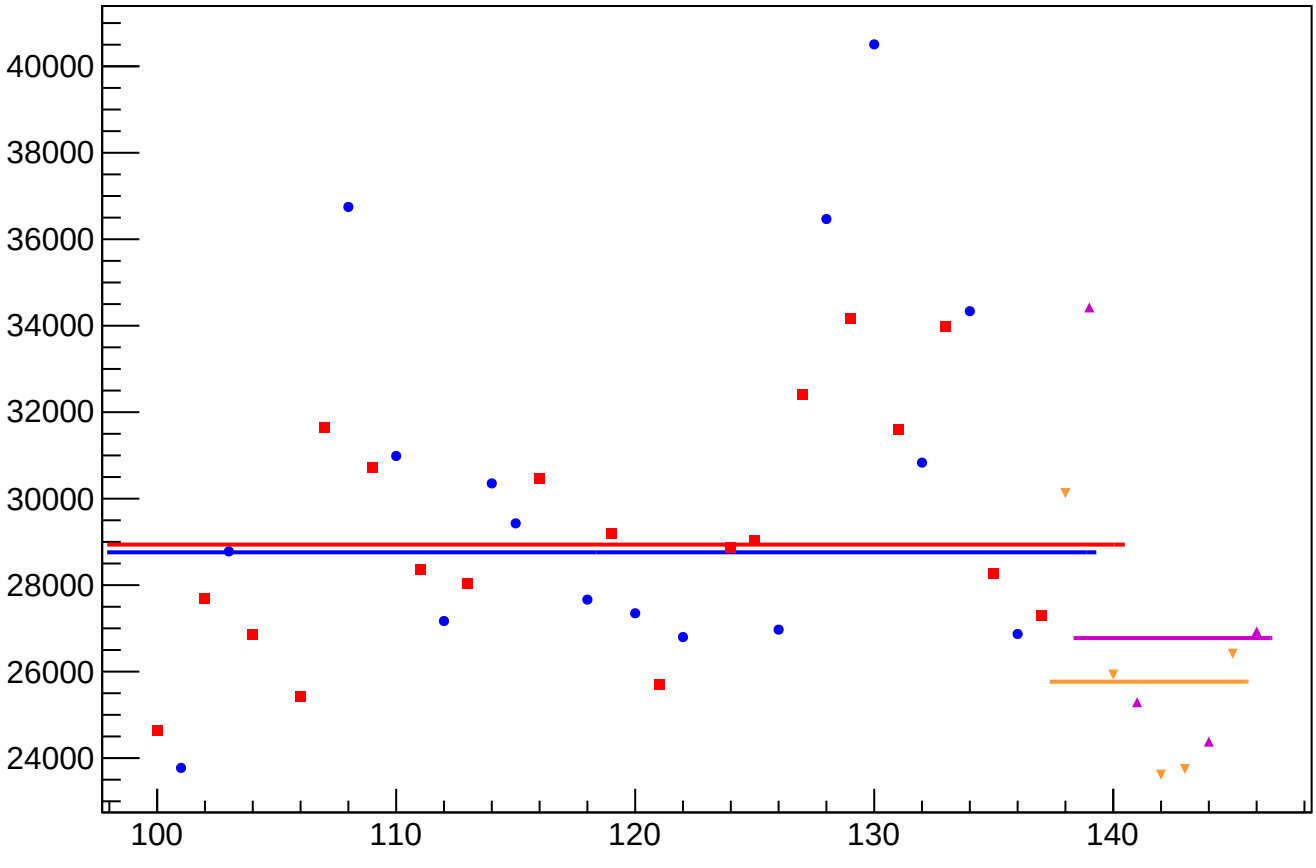
Left: 15.993+/-9.863 χ^2/NDF: 6.5/8

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -6.676+/-8.657 χ^2/NDF:16.3/19

Out: 9.435+/-8.364 χ^2/NDF:24.6/23

All: 1.657+/-6.015 χ^2/NDF: 42.7/43



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25766.848+/-9.575 χ^2/NDF:51916.4/4

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

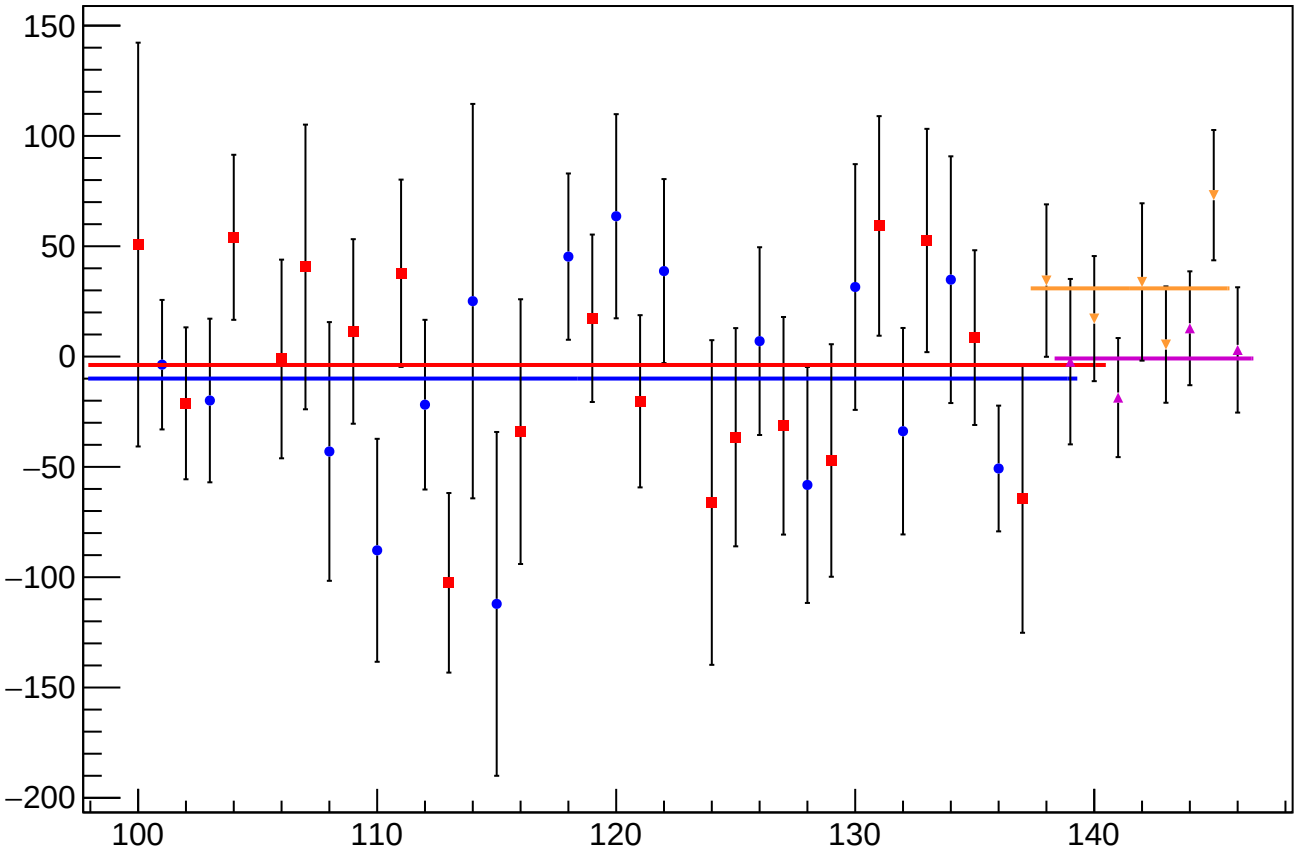
Left: 26240.477+/-6.974 χ^2/NDF: 163703.4/8

Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28041.704+/-6.122 χ^2/NDF:408449.2/19

Out: 27727.806+/-5.915 χ^2/NDF:226000.4/23

All: 27879.353+/-4.254 χ^2/NDF: 635809.5/43



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 30.910+/-13.541 χ^2/NDF:3.2/4

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -0.865+/-14.395 χ^2/NDF:0.7/3

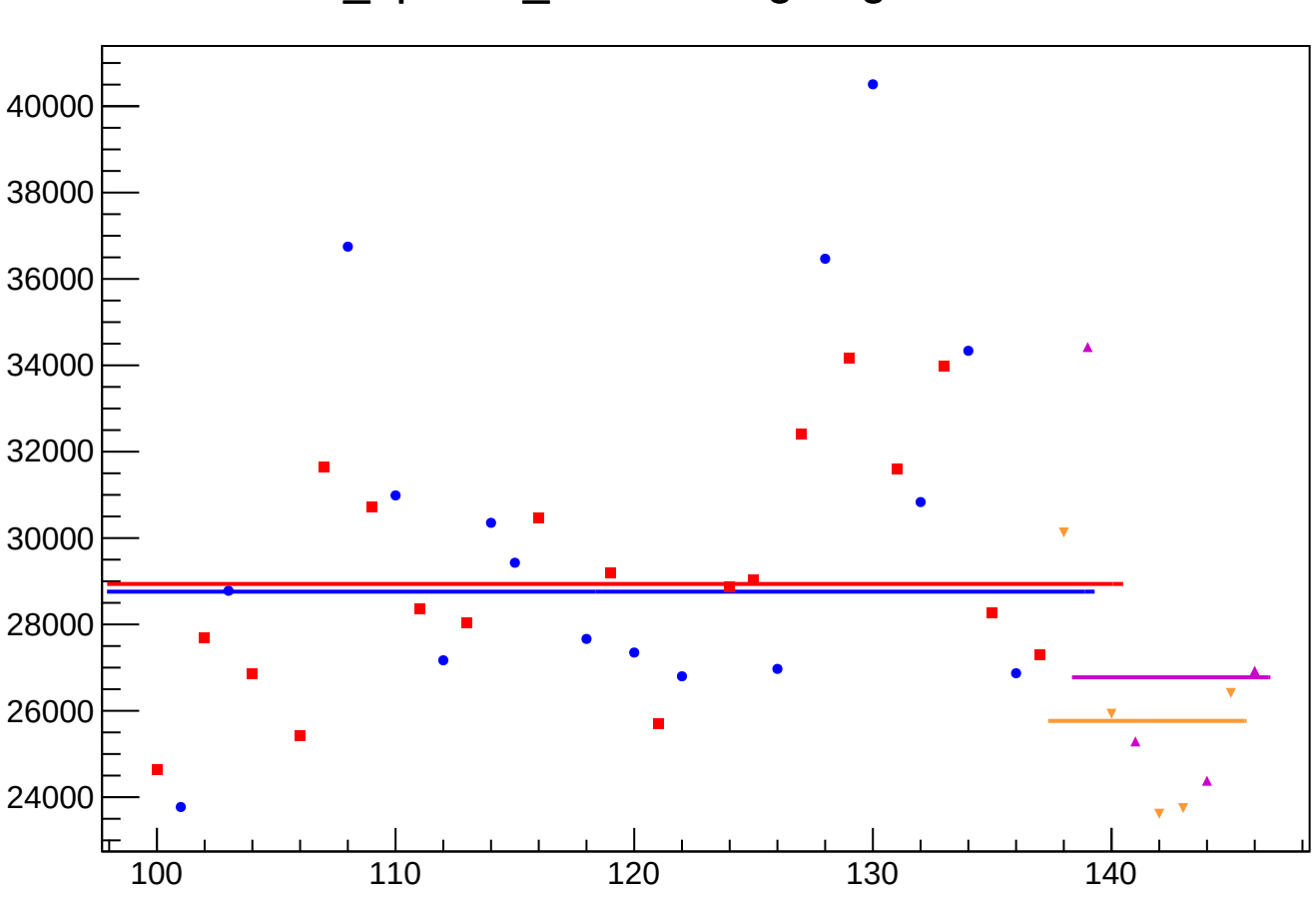
Left: 15.993+/-9.863 χ^2/NDF: 6.5/8

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -6.676+/-8.657 χ^2/NDF:16.3/19

Out: 9.435+/-8.364 χ^2/NDF:24.6/23

All: 1.657+/-6.015 χ^2/NDF: 42.7/43



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25766.848+/-9.575 χ^2/NDF:51916.4/4

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

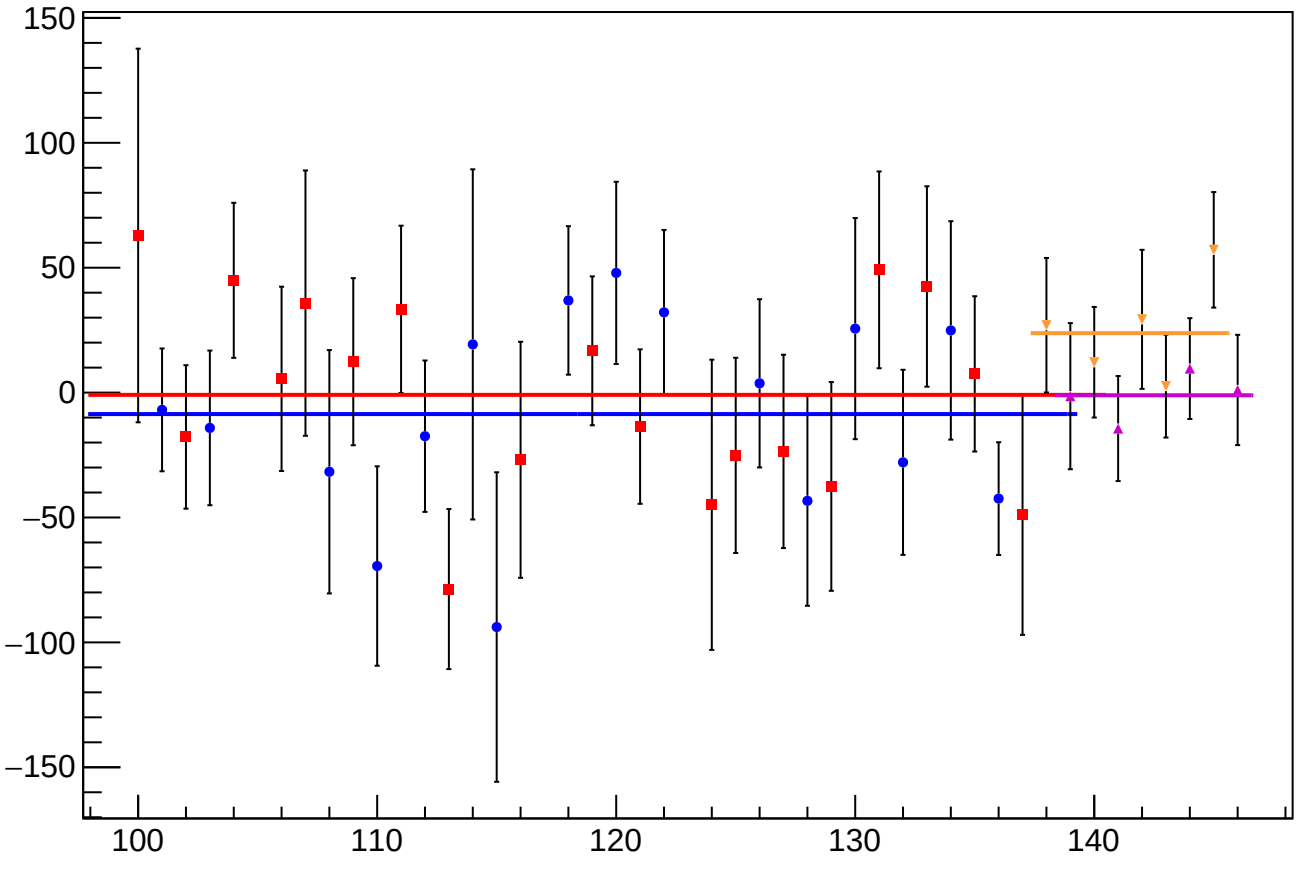
Left: 26240.477+/-6.974 χ^2/NDF: 163703.4/8

Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

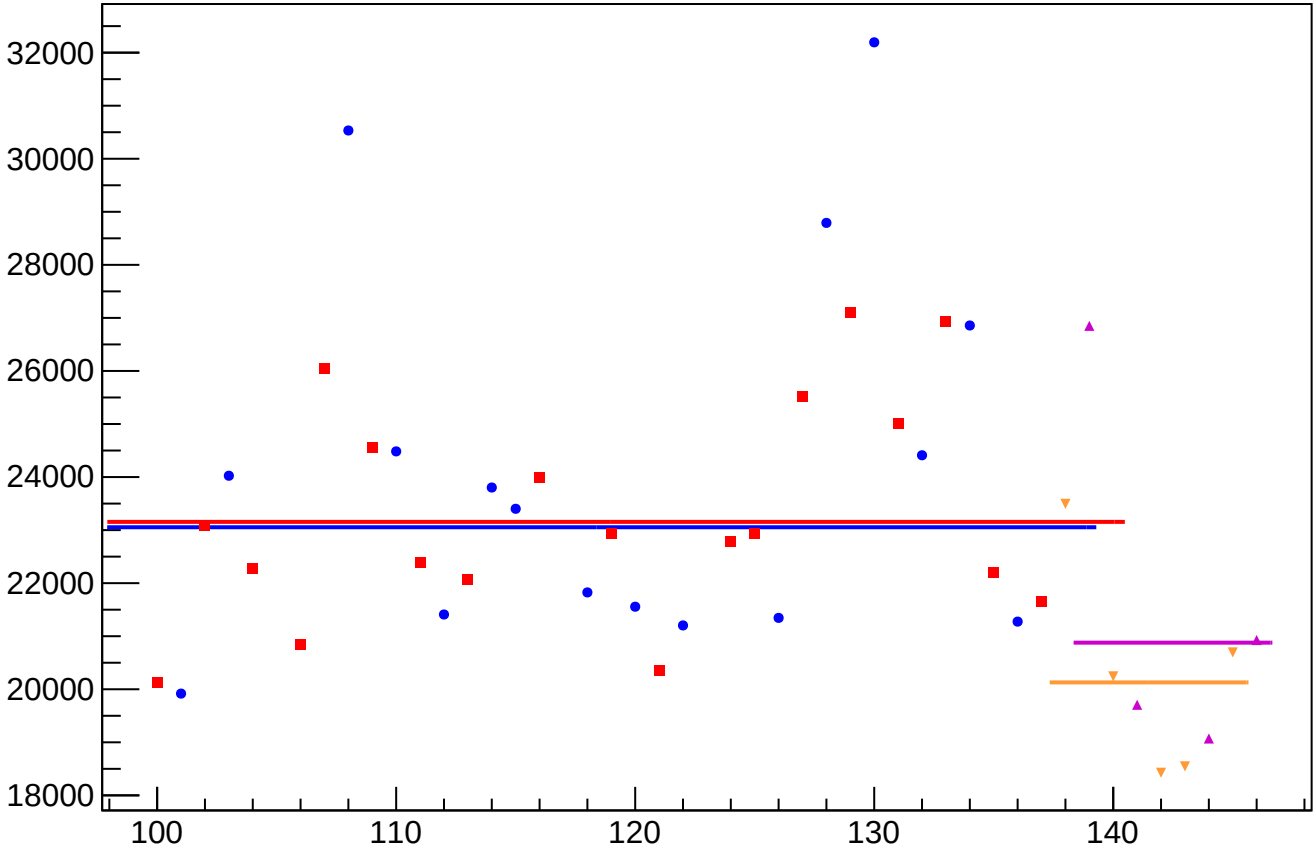
In: 28041.704+/-6.122 χ^2/NDF:408449.2/19

Out: 27727.806+/-5.915 χ^2/NDF:226000.4/23

All: 27879.353+/-4.254 χ^2/NDF: 635809.5/43


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 23.809+/-10.577 χ²/NDF:3.5/4
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: -1.063+/-11.224 χ²/NDF:0.7/3
Left: 12.111+/-7.698 χ²/NDF: 6.8/8
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -5.780+/-6.866 χ²/NDF:16.5/19
Out: 8.802+/-6.628 χ²/NDF:24.4/23
All: 1.767+/-4.769 χ²/NDF: 43.2/43

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 20129.159+/-7.479 χ^2/NDF:51798.6/4

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 20878.606+/-7.937 χ^2/NDF:105597.4/3

Left: 20481.645+/-5.443 χ^2/NDF: 162119.0/8

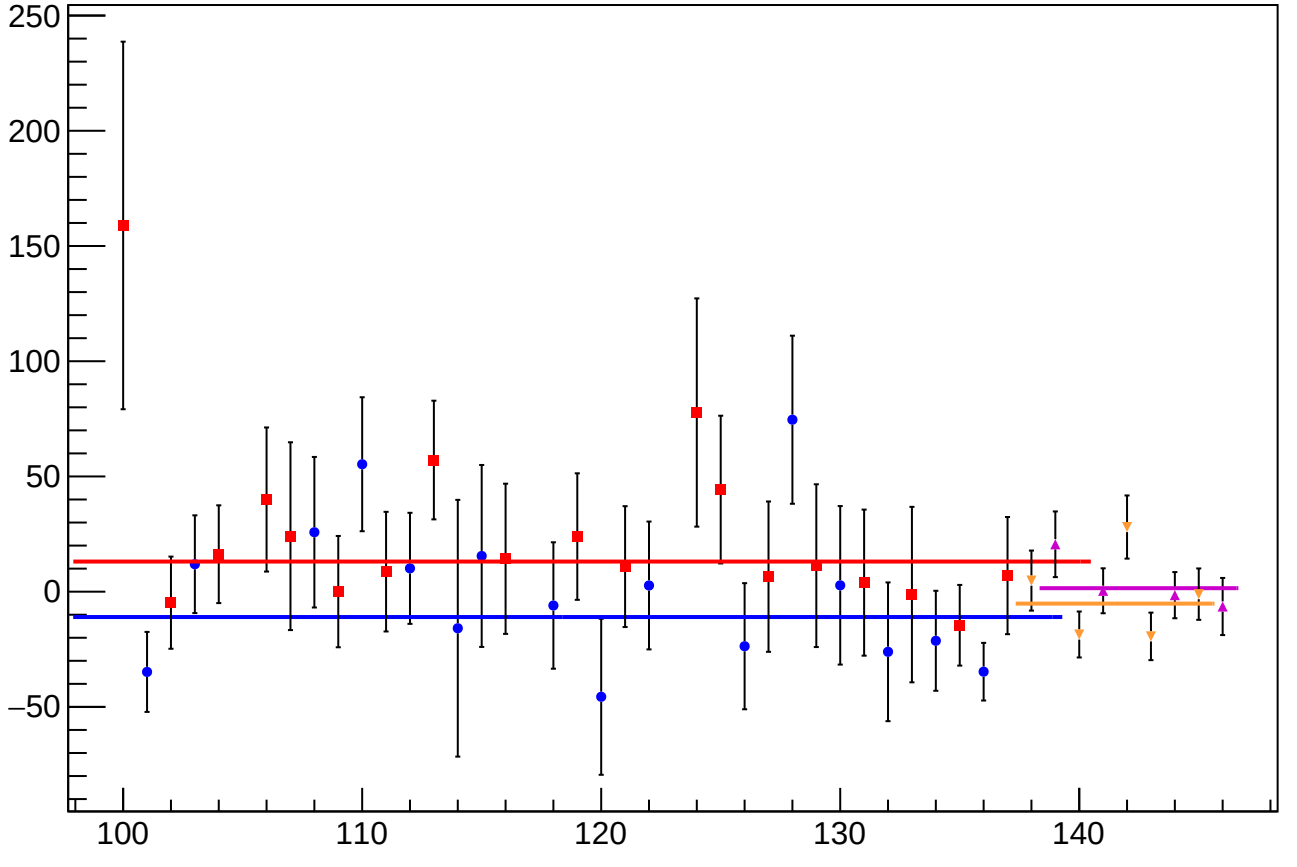
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 22240.015+/-4.855 χ^2/NDF:414057.2/19

Out: 21966.771+/-4.687 χ^2/NDF:245111.4/23

All: 22098.591+/-3.372 χ^2/NDF: 660808.2/43

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -5.176+/-5.081 χ^2/NDF:10.3/4

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 1.515+/-5.599 χ^2/NDF:2.3/3

Left: -2.154+/-3.762 χ^2/NDF: 13.4/8

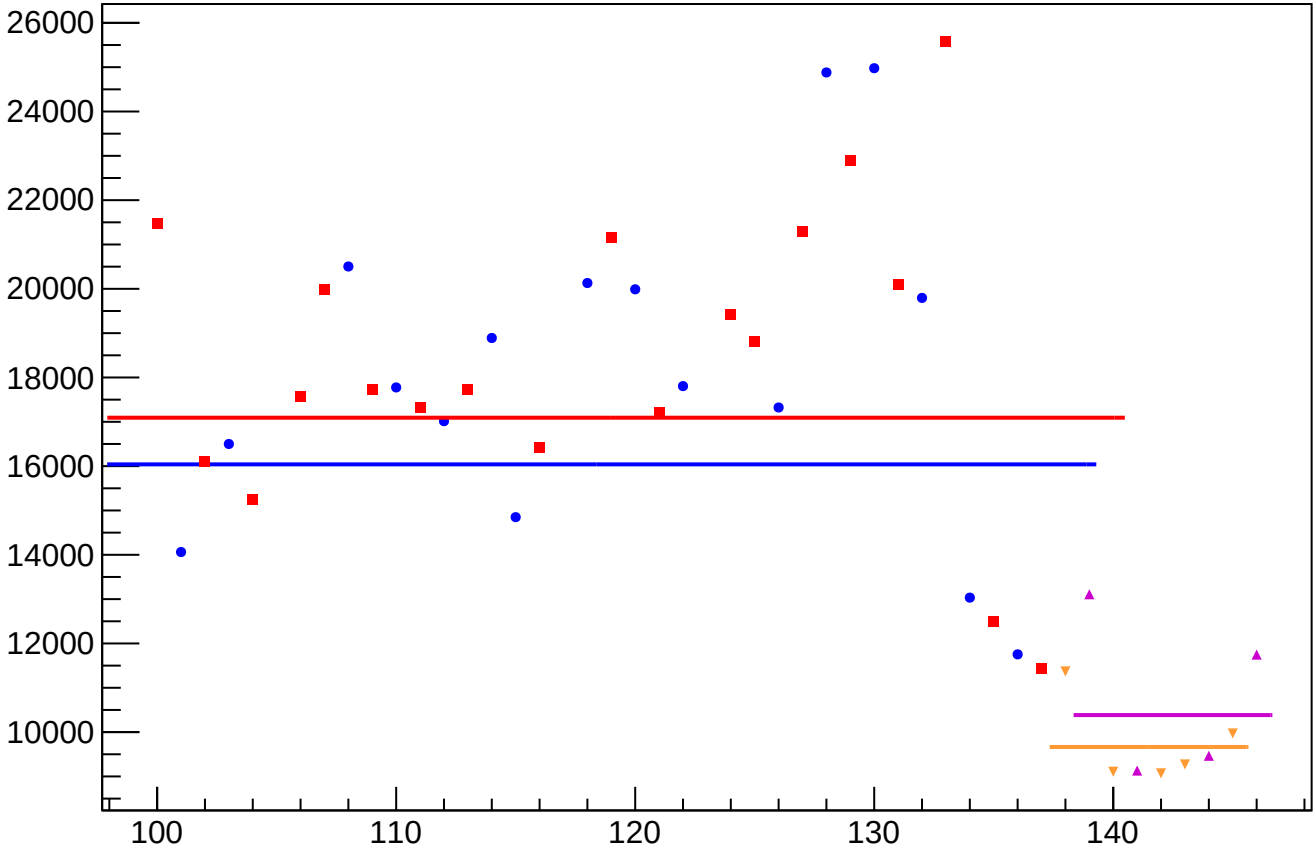
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -4.152+/-4.142 χ^2/NDF:26.6/19

Out: 1.903+/-3.975 χ^2/NDF:29.2/23

All: -1.001+/-2.868 χ^2/NDF: 56.9/43

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 9664.702+/-3.593 χ^2/NDF:48743.3/4

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10384.119+/-3.959 χ^2/NDF:147098.4/3

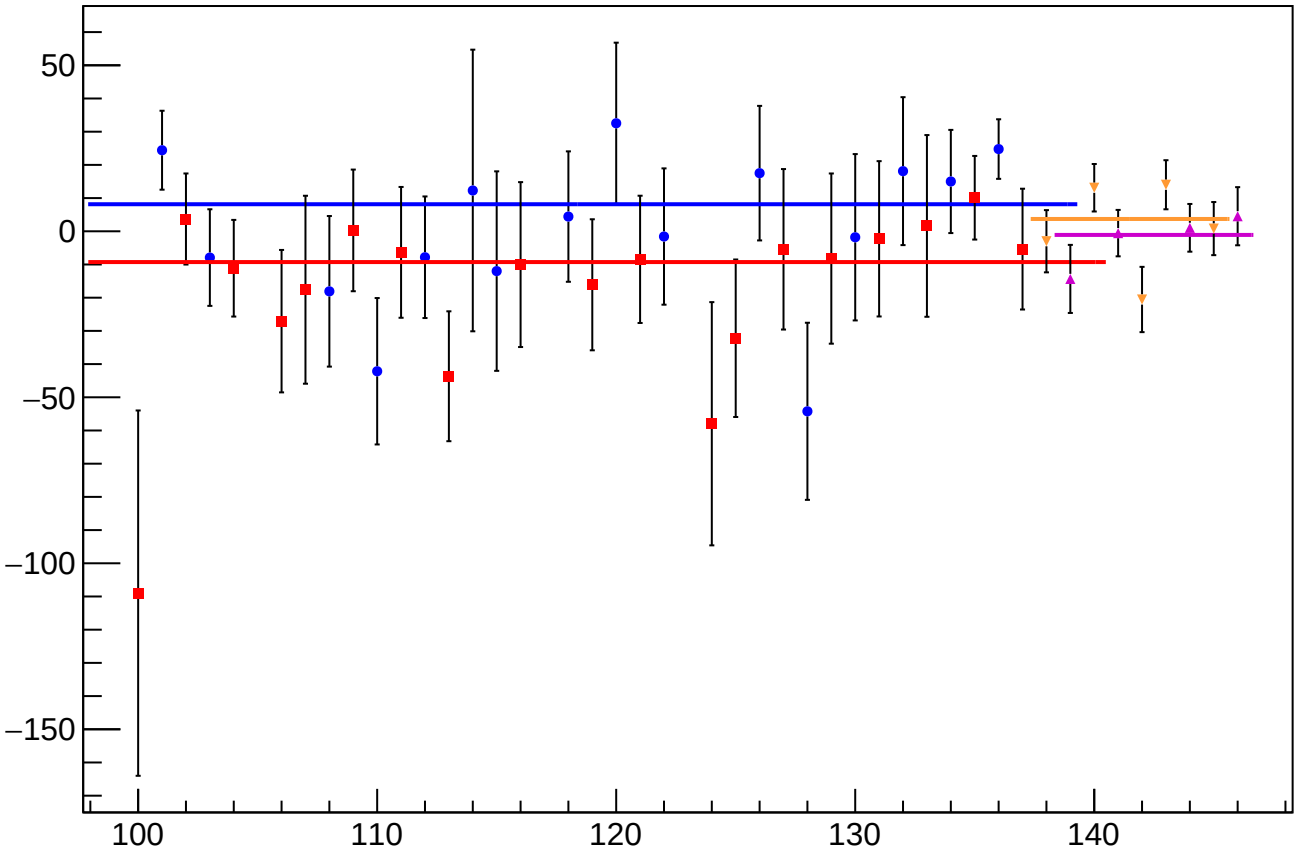
Left: 9989.609+/-2.660 χ^2/NDF: 213951.7/8

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12944.948+/-2.928 χ^2/NDF:1793981.7/19

Out: 12546.219+/-2.811 χ^2/NDF:2242535.2/23

All: 12737.402+/-2.028 χ^2/NDF: 4046166.4/4



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 3.711+/-3.646 χ^2/NDF:10.4/4

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -1.095+/-4.004 χ^2/NDF:2.2/3

Left: 1.532+/-2.696 χ^2/NDF: 13.4/8

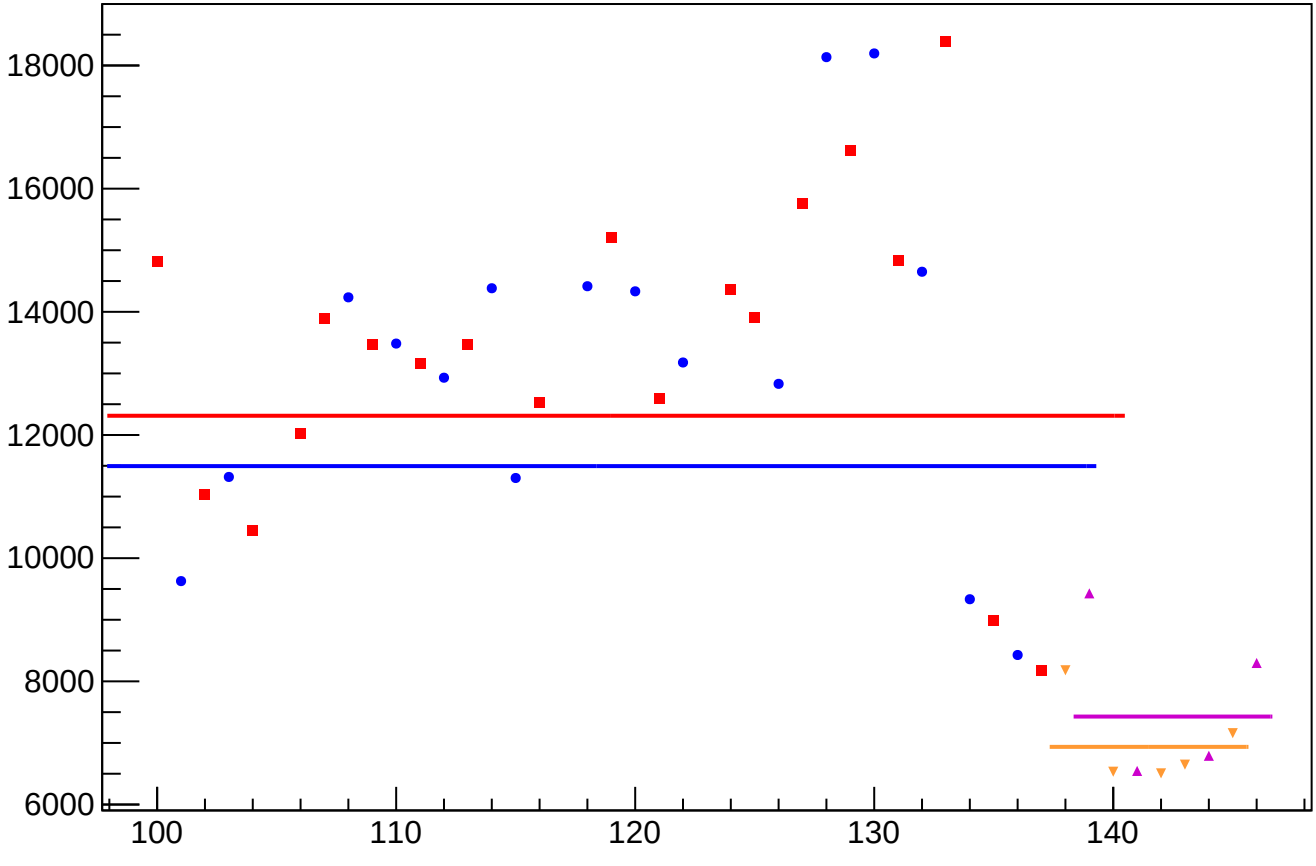
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 3.069+/-2.968 χ^2/NDF:26.4/19

Out: -1.288+/-2.859 χ^2/NDF:29.2/23

All: 0.809+/-2.059 χ^2/NDF: 56.6/43

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 6936.257+/-2.578 χ^2/NDF:50008.0/4

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7428.325+/-2.831 χ^2/NDF:143503.0/3

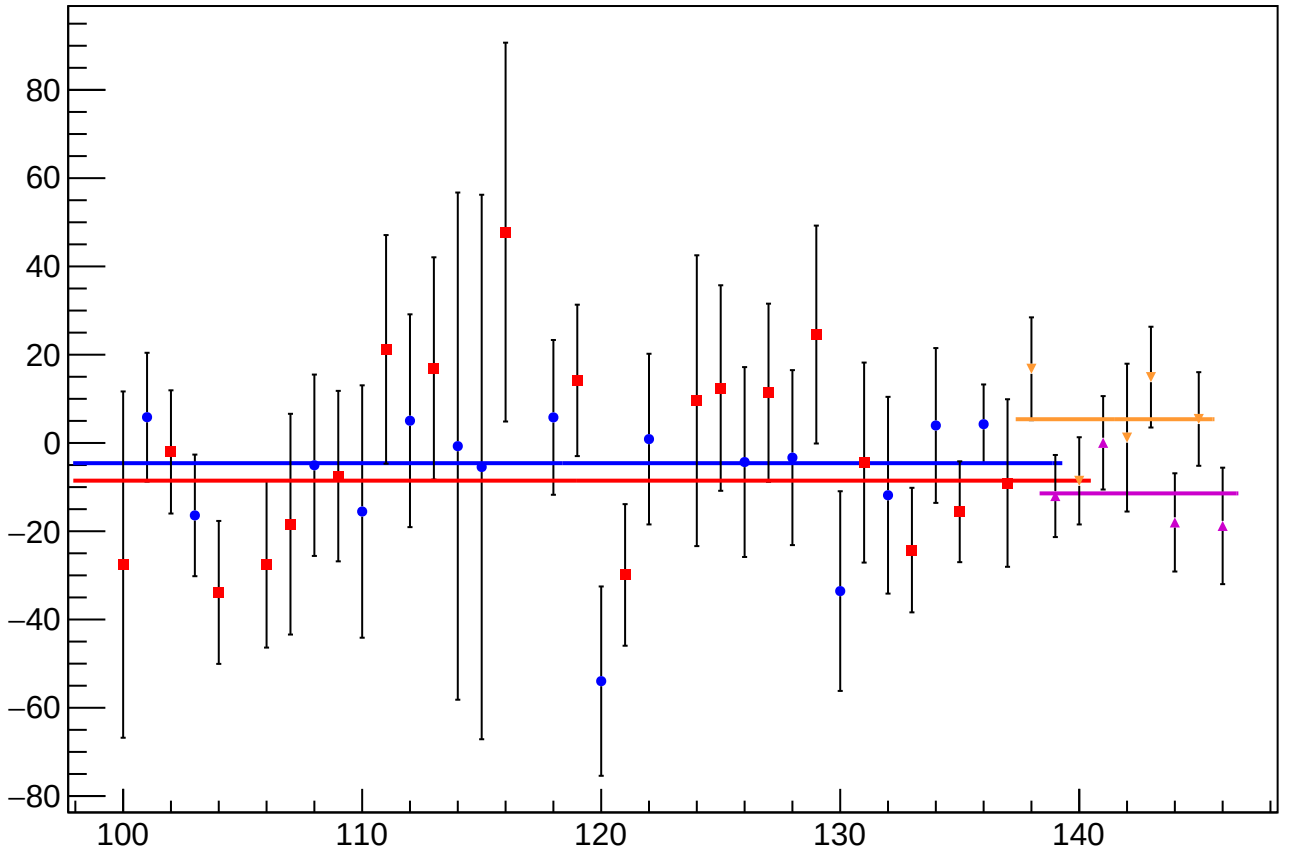
Left: 7159.326+/-1.906 χ^2/NDF: 210024.3/8

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 9259.987+/-2.099 χ^2/NDF:1862758.5/19

Out: 9006.730+/-2.022 χ^2/NDF:2323402.3/23

All: 9128.615+/-1.456 χ^2/NDF: 4193713.2/43



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.381+/-5.148 χ^2/NDF:3.7/4

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -11.425+/-5.399 χ^2/NDF:1.8/3

Left: -2.621+/-3.726 χ^2/NDF: 10.6/8

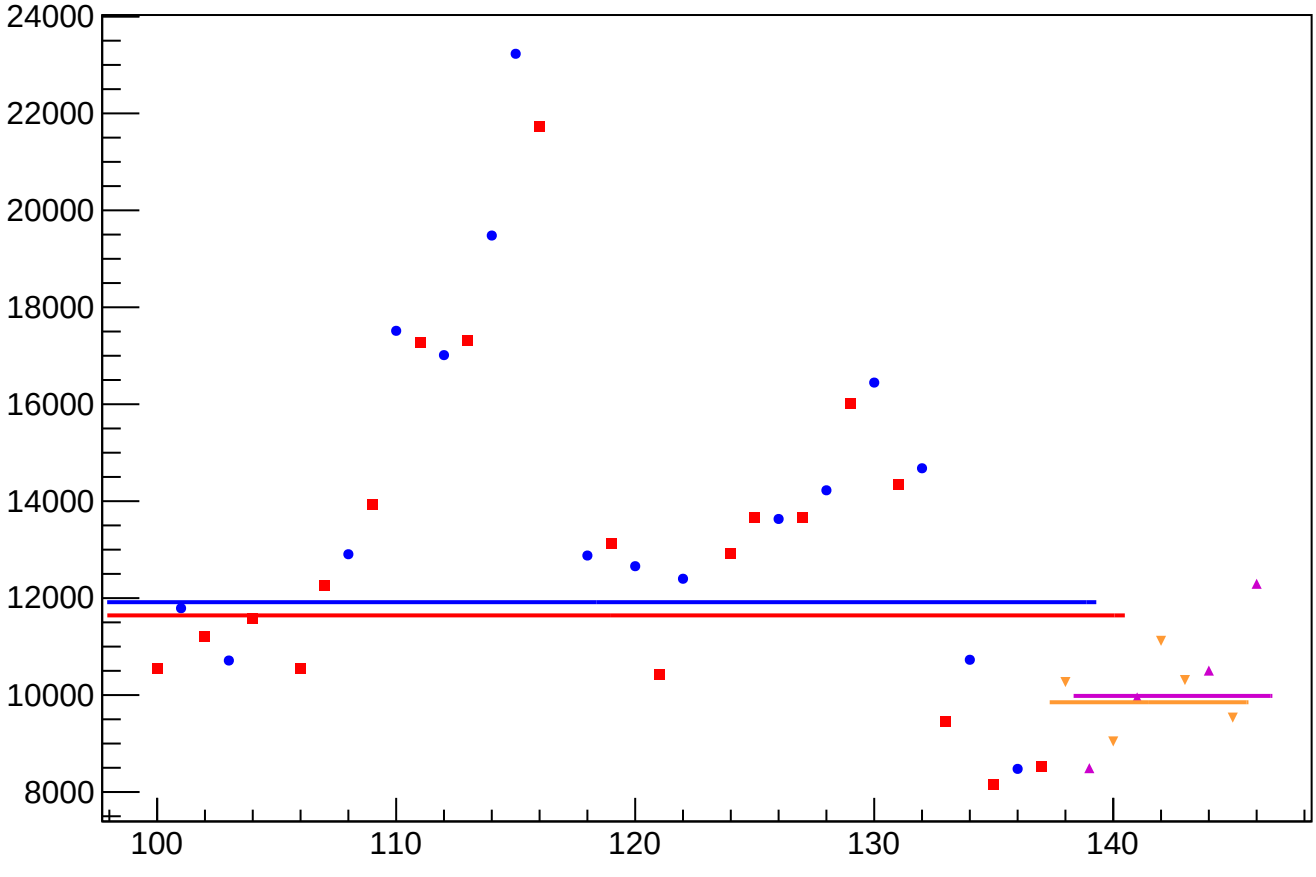
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -7.424+/-3.481 χ^2/NDF:13.0/19

Out: -2.673+/-3.341 χ^2/NDF:25.1/23

All: -4.952+/-2.411 χ^2/NDF: 39.1/43

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 9851.807+/-3.640 χ^2/NDF:32403.6/4

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 9982.748+/-3.818 χ^2/NDF:117254.5/3

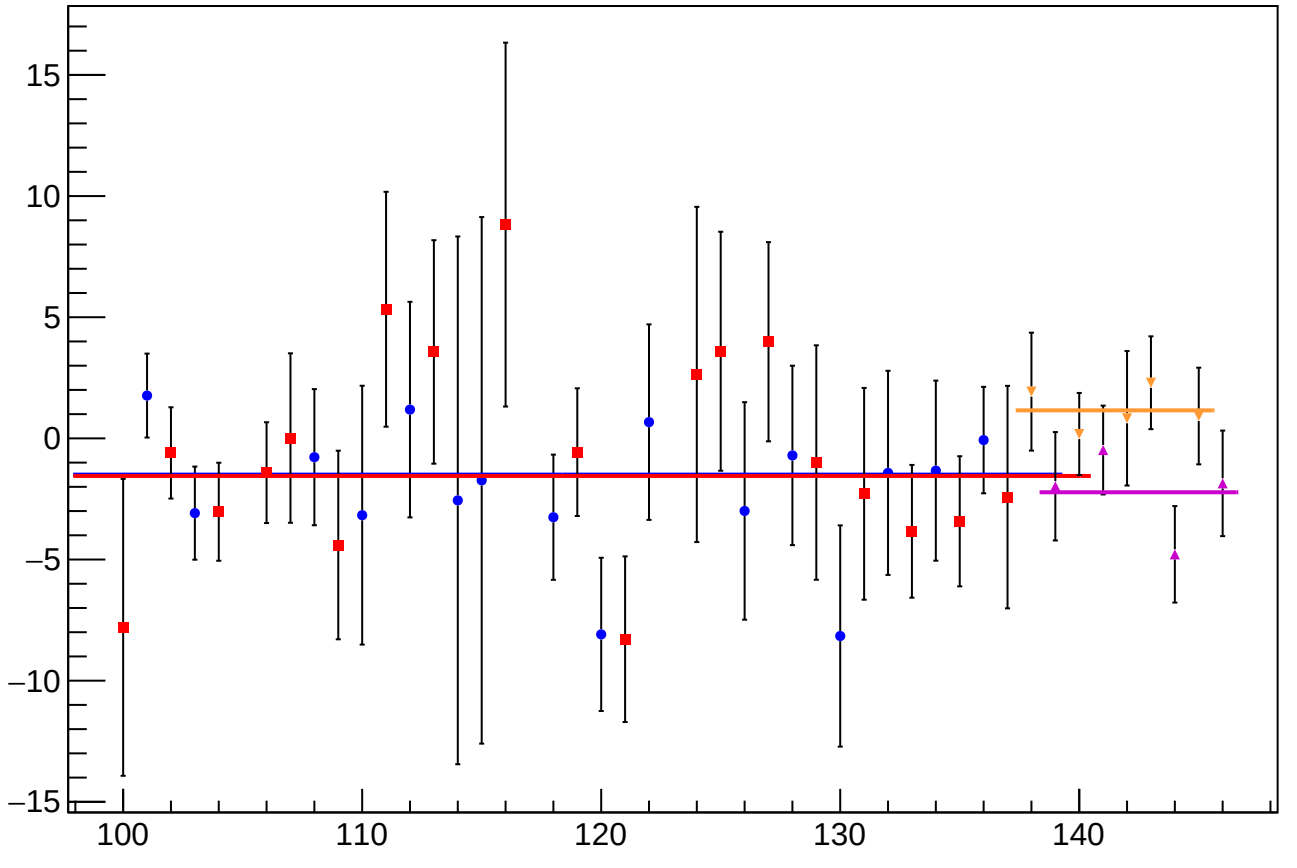
Left: 9914.158+/-2.634 χ^2/NDF: 150274.3/8

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11112.532+/-2.461 χ^2/NDF:1016916.0/19

Out: 10888.700+/-2.363 χ^2/NDF:962993.9/23

All: 10996.032+/-1.705 χ^2/NDF: 1984213.8/4



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.156+/-0.924 χ^2/NDF:0.8/4

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -2.225+/-1.020 χ^2/NDF:2.6/3

Left: -0.368+/-0.685 χ^2/NDF: 9.4/8

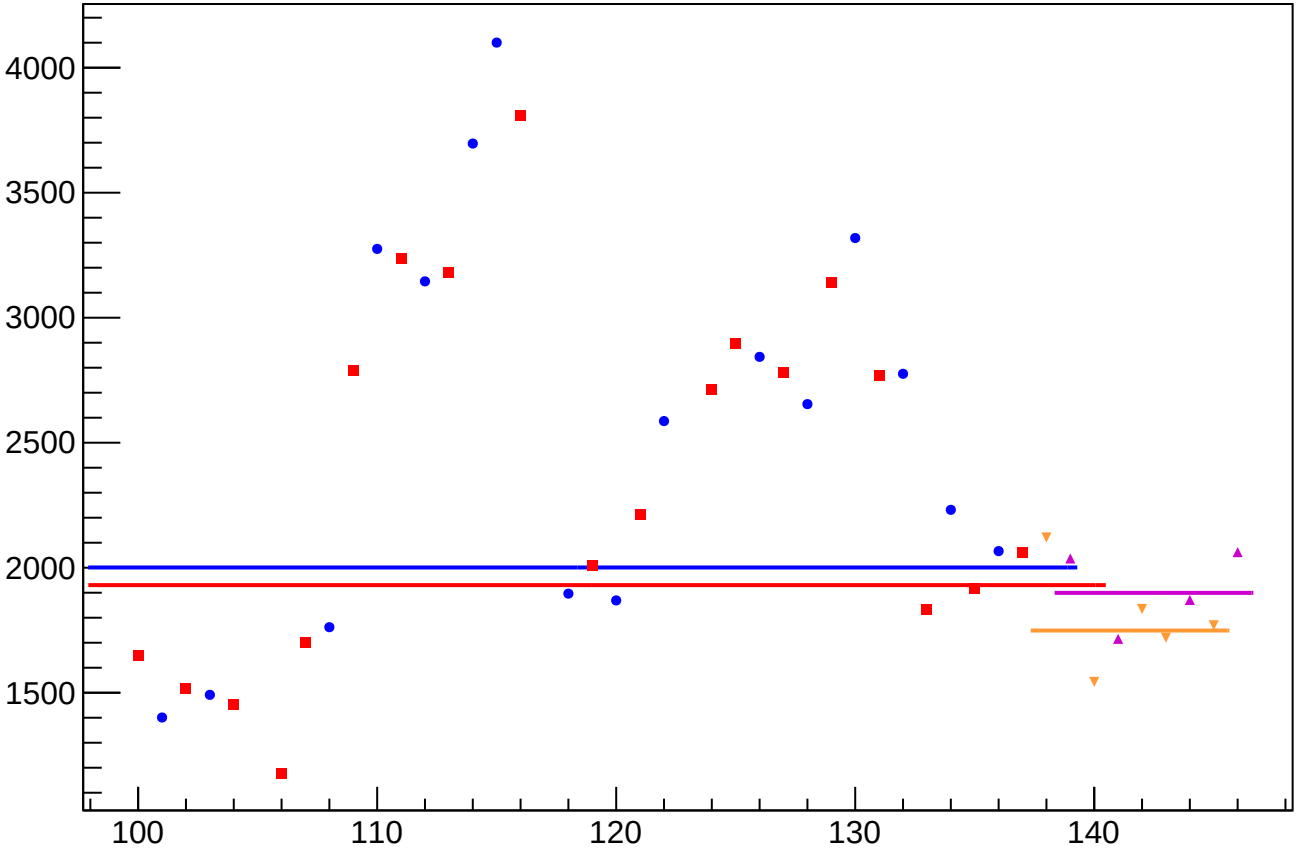
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.764+/-0.619 χ^2/NDF:15.5/19

Out: -0.485+/-0.580 χ^2/NDF:22.3/23

All: -1.083+/-0.423 χ^2/NDF: 40.1/43

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1748.831+/-0.654 χ^2/NDF:78744.6/4

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1899.416+/-0.721 χ^2/NDF:39291.3/3

Left: 1816.709+/-0.484 χ^2/NDF: 141965.0/8

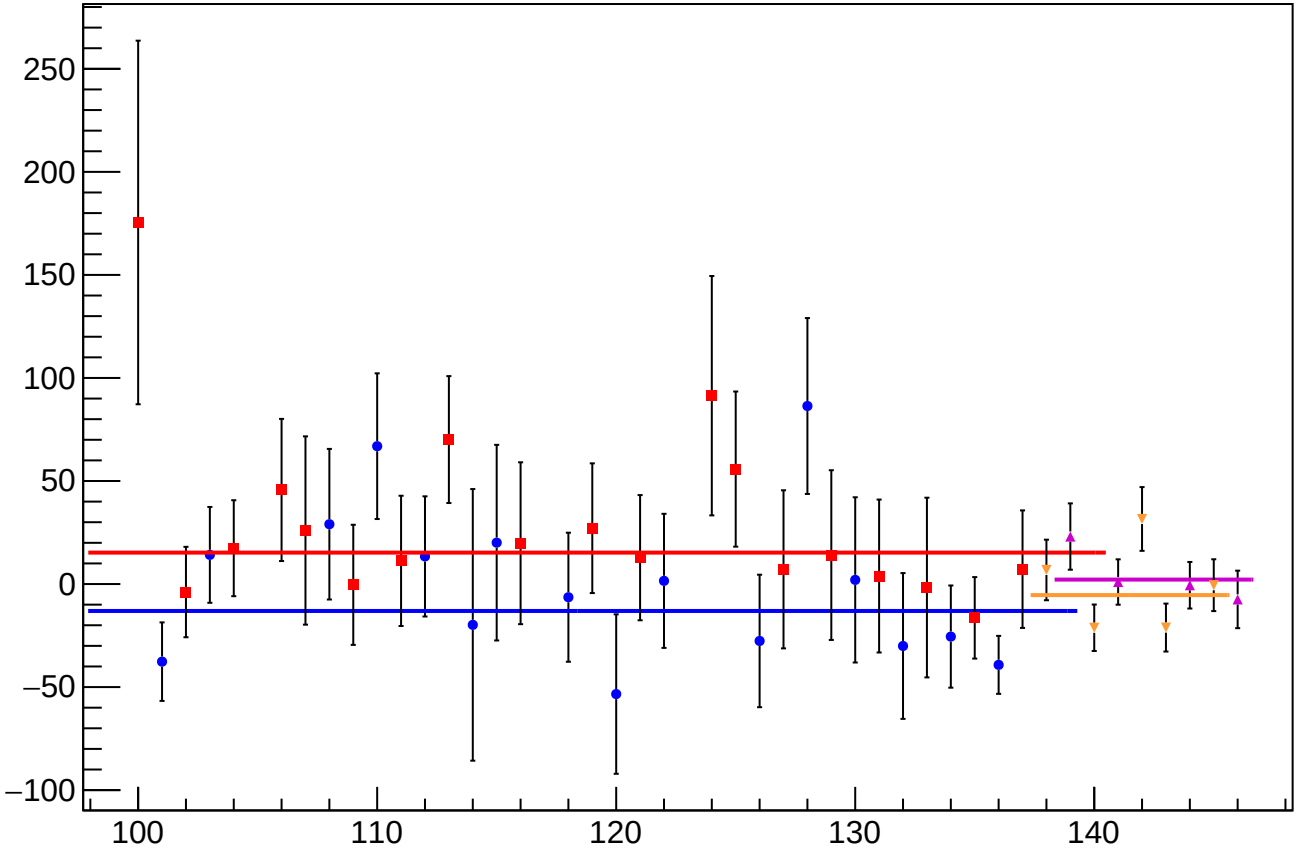
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 1963.635+/-0.438 χ^2/NDF:1241609.5/19

Out: 1858.971+/-0.410 χ^2/NDF:1529122.4/23

All: 1907.904+/-0.299 χ^2/NDF: 2801200.8/43

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -5.360+/-5.735 χ^2/NDF:10.4/4

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 2.163+/-6.313 χ^2/NDF:2.2/3

Left: -1.959+/-4.245 χ^2/NDF: 13.4/8

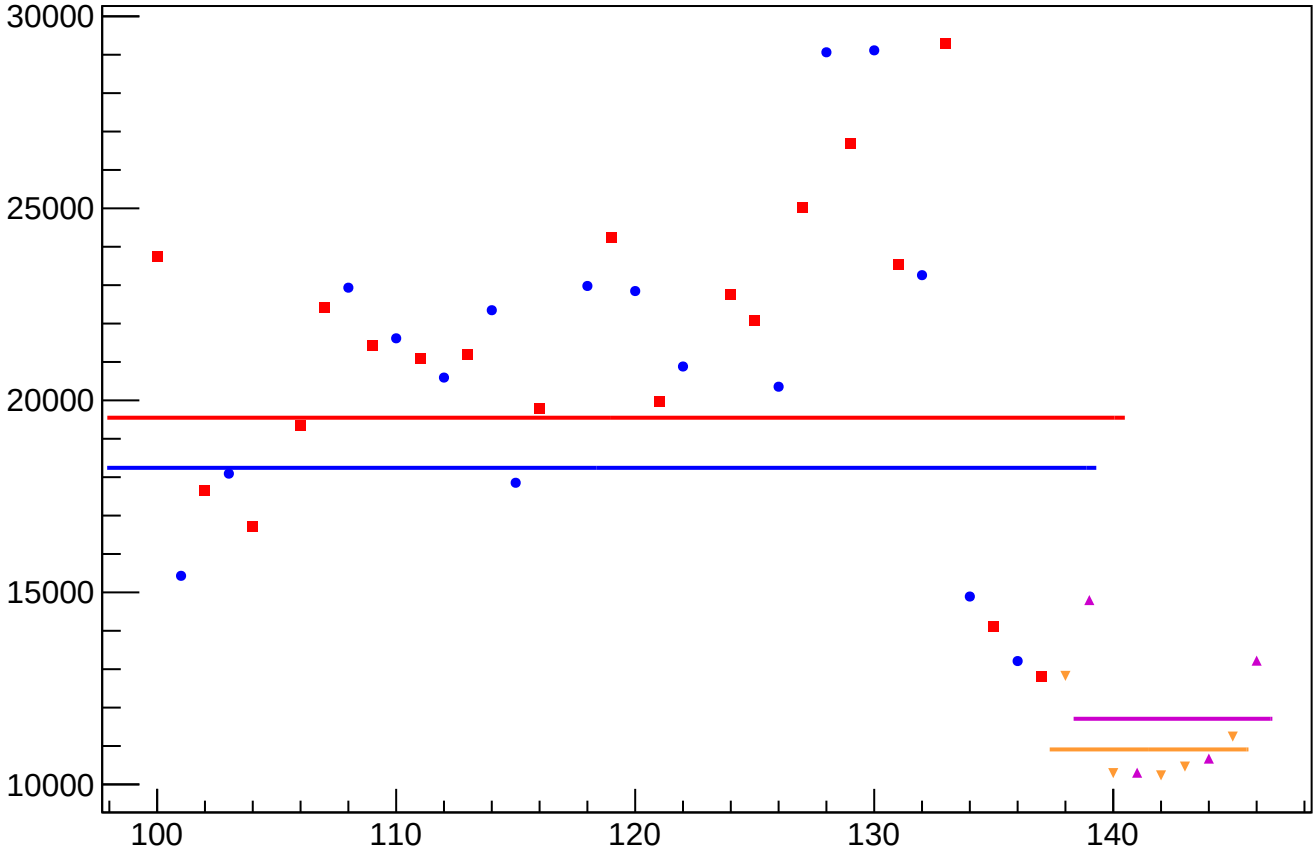
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -4.639+/-4.696 χ^2/NDF:26.7/19

Out: 2.479+/-4.515 χ^2/NDF:29.6/23

All: -0.940+/-3.255 χ^2/NDF: 57.5/43

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 10910.512+/-4.055 χ^2/NDF:48138.0/4

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11708.908+/-4.464 χ^2/NDF:146723.9/3

Left: 11271.508+/-3.002 χ^2/NDF: 212387.2/8

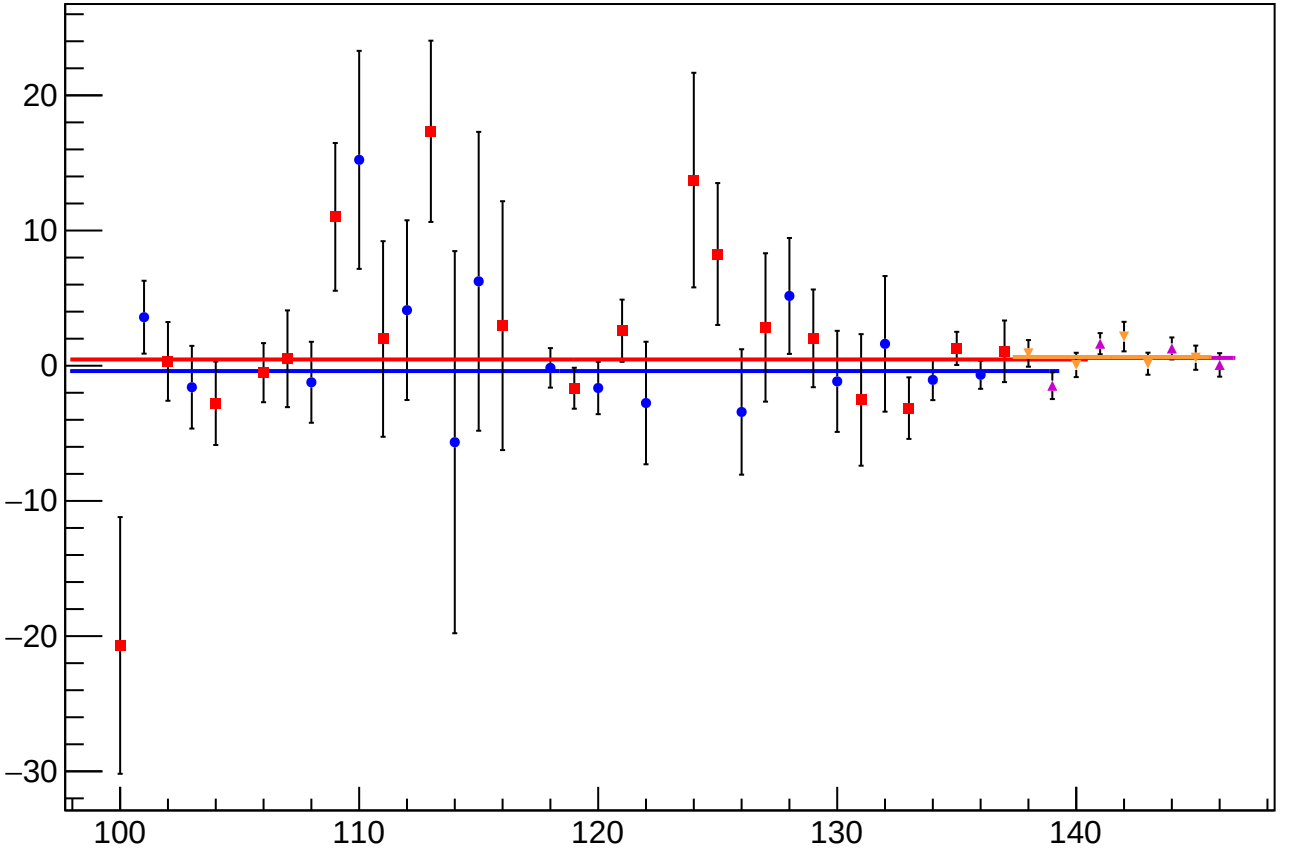
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 14627.626+/-3.321 χ^2/NDF:1923677.3/19

Out: 14195.683+/-3.192 χ^2/NDF:2395345.5/23

All: 14403.156+/-2.301 χ^2/NDF: 4327816.4/4

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.647+/-0.413 χ^2/NDF:2.8/4

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.579+/-0.427 χ^2/NDF:7.2/3

Left: 0.614+/-0.297 χ^2/NDF: 10.0/8

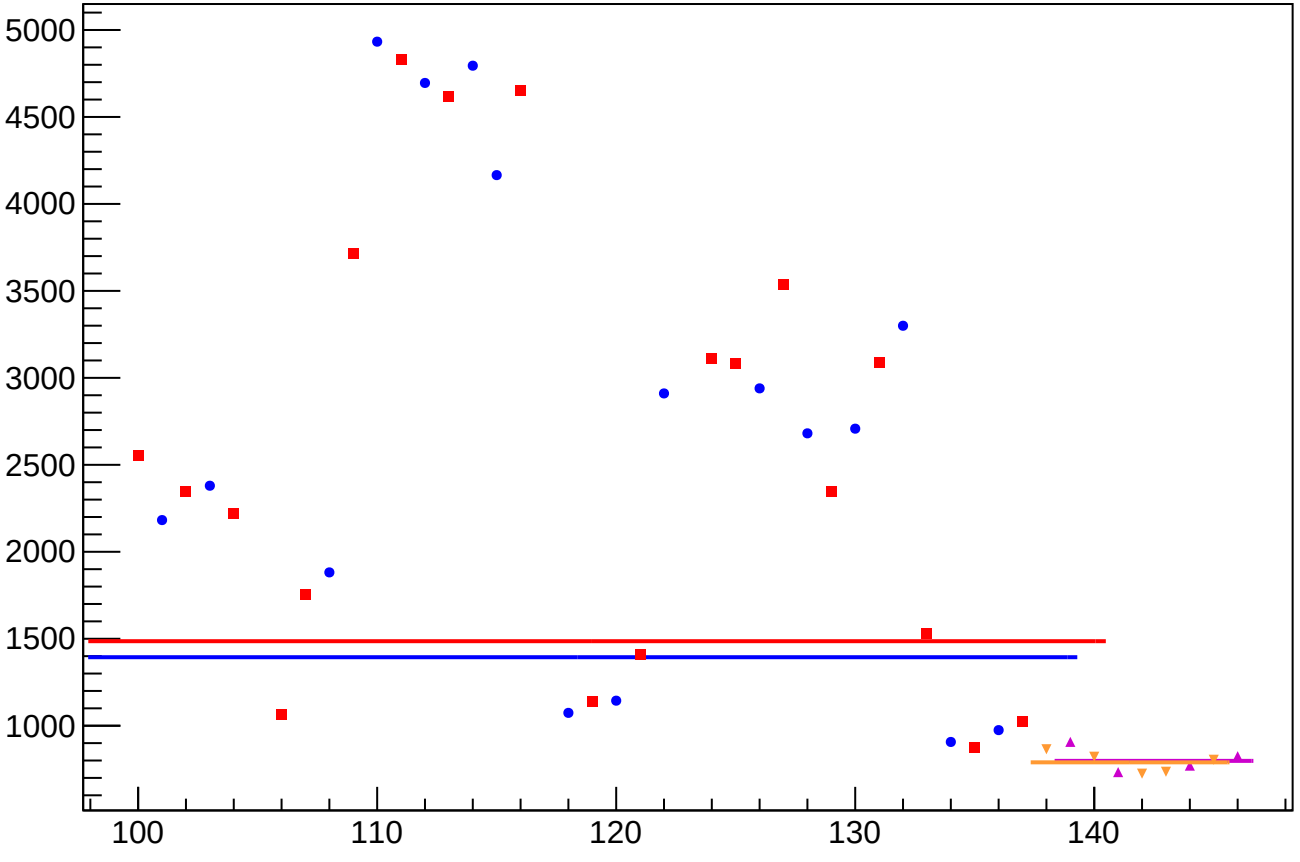
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: 0.252+/-0.348 χ^2/NDF:19.4/19

Out: 0.593+/-0.346 χ^2/NDF:30.9/23

All: 0.423+/-0.245 χ^2/NDF: 50.7/43

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 789.497+/-0.292 χ^2/NDF:30693.0/4

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 797.919+/-0.302 χ^2/NDF:42225.8/3

Left: 793.574+/-0.210 χ^2/NDF: 73320.7/8

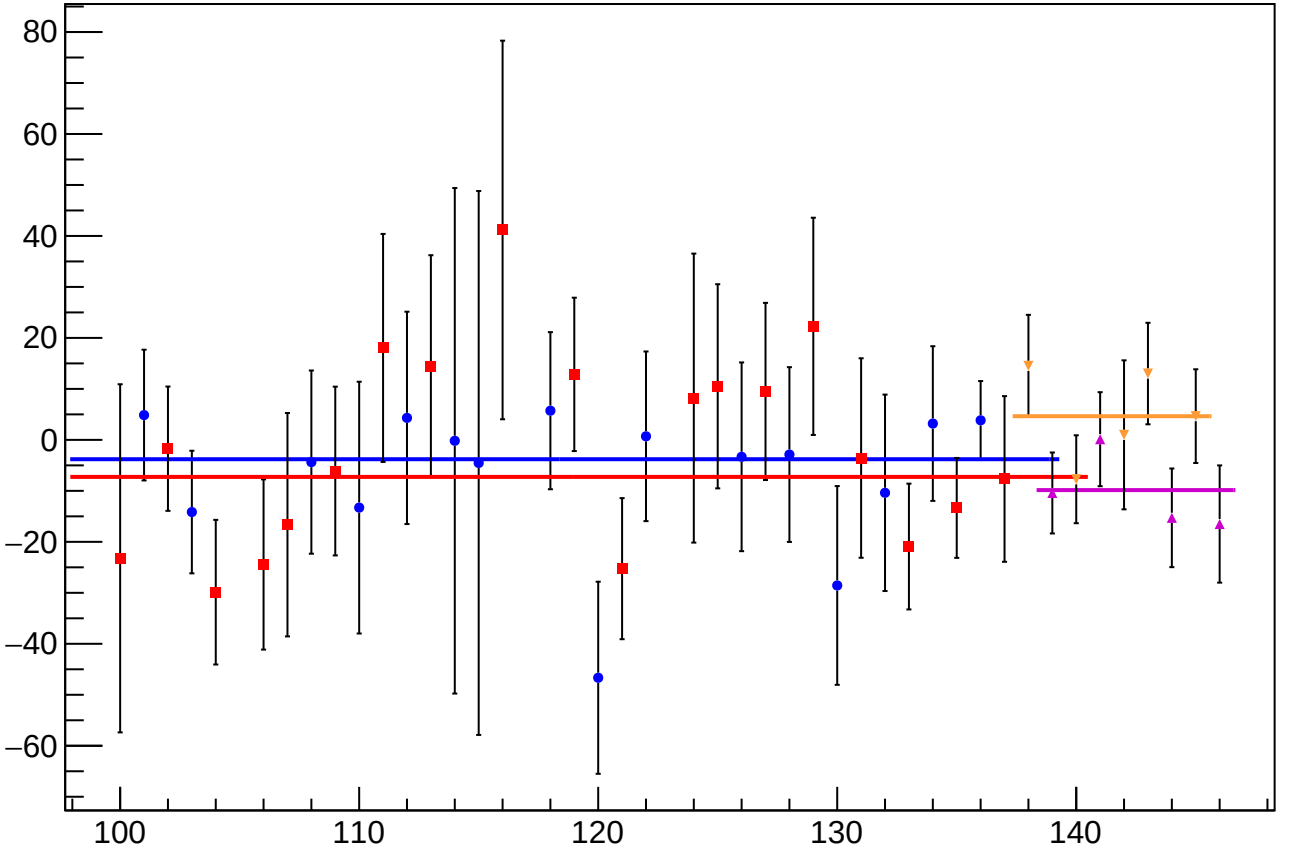
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 998.076+/-0.246 χ^2/NDF:4733292.6/19

Out: 997.315+/-0.245 χ^2/NDF:5123590.7/23

All: 997.694+/-0.174 χ^2/NDF: 9856888.1/43

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 4.638+/-4.470 χ^2/NDF:3.8/4

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -9.851+/-4.669 χ^2/NDF:1.8/3

Left: -2.292+/-3.229 χ^2/NDF: 10.7/8

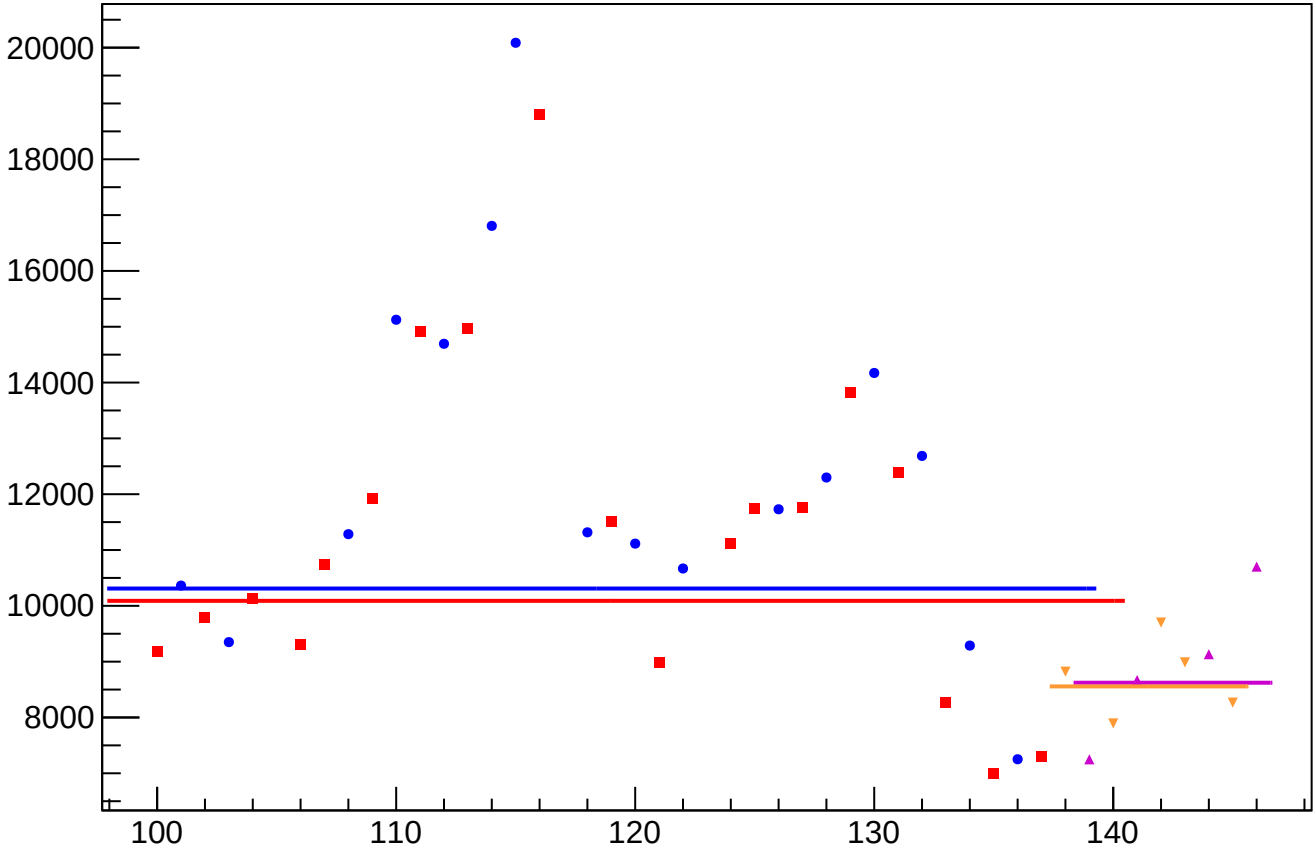
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -6.316+/-3.013 χ^2/NDF:12.9/19

Out: -2.261+/-2.898 χ^2/NDF:25.2/23

All: -4.210+/-2.089 χ^2/NDF: 39.0/43

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 8556.398+/-3.161 χ^2/NDF:31239.7/4

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 8622.527+/-3.302 χ^2/NDF:130849.9/3

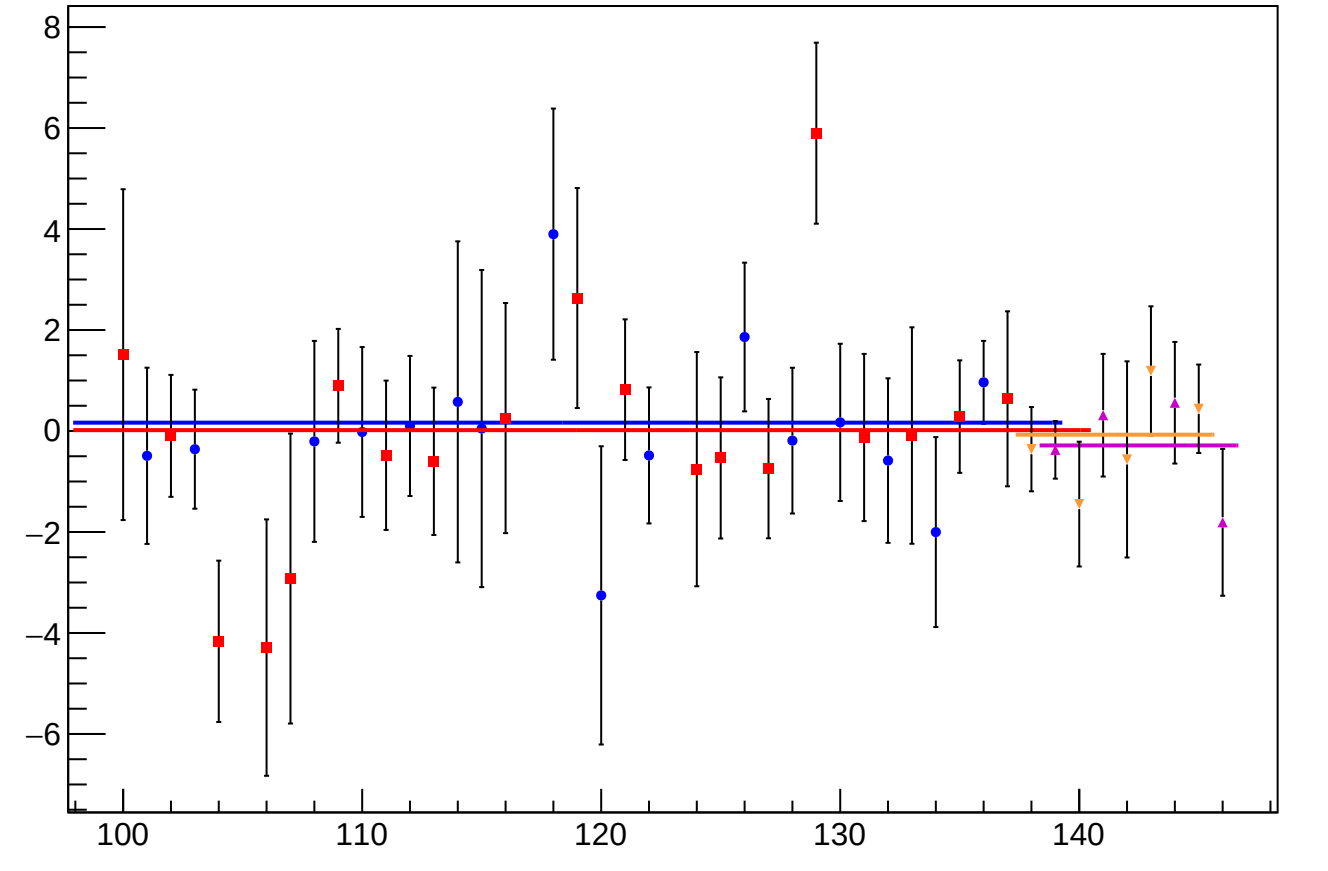
Left: 8588.026+/-2.283 χ^2/NDF: 162298.9/8

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9607.485+/-2.130 χ^2/NDF:1053851.0/19

Out: 9445.100+/-2.049 χ^2/NDF:960386.6/23

All: 9523.158+/-1.477 χ^2/NDF: 2017255.3/43



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.073+/-0.484 χ^2/NDF:2.7/4

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: -0.286+/-0.451 χ^2/NDF:1.9/3

Left: -0.187+/-0.330 χ^2/NDF: 4.7/8

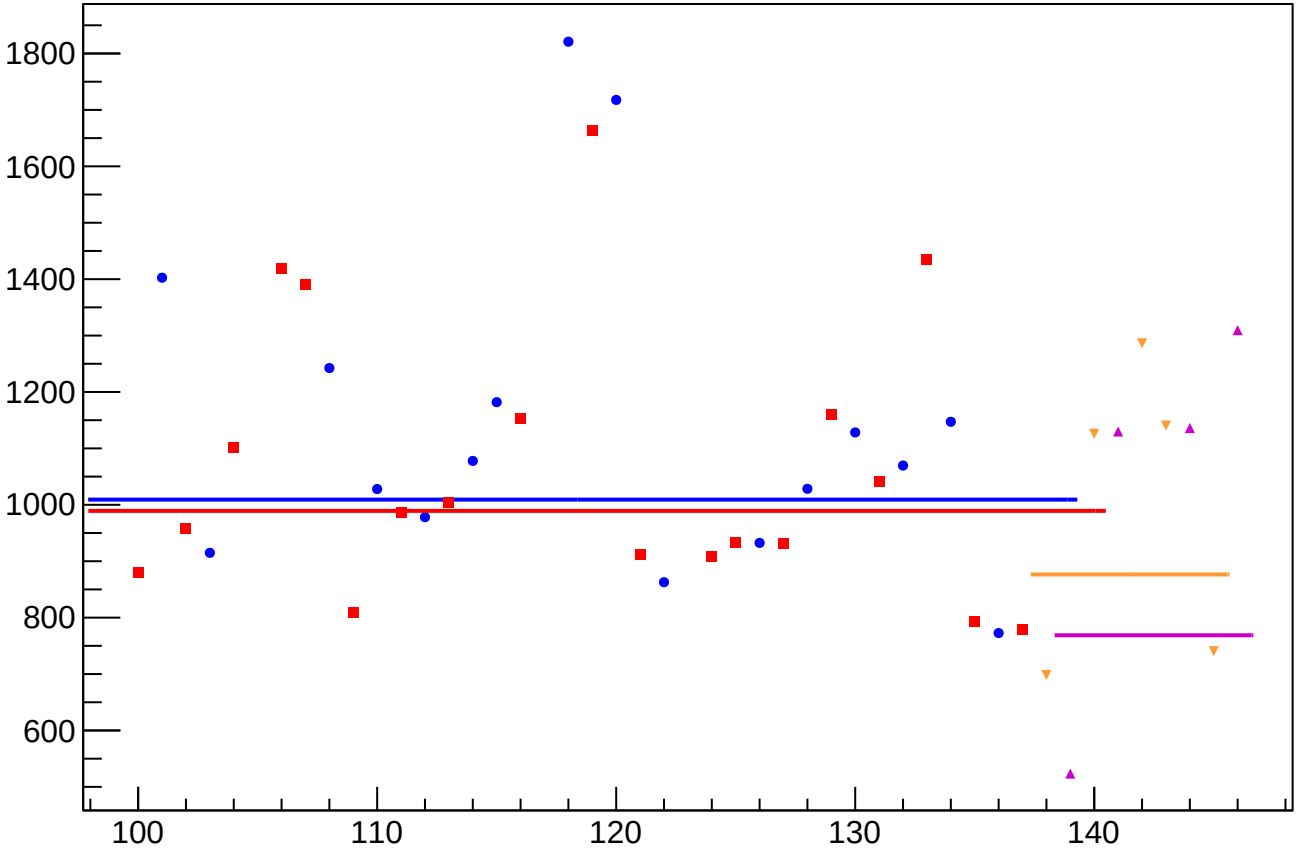
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: -0.025+/-0.293 χ^2/NDF:10.5/19

Out: -0.016+/-0.295 χ^2/NDF:27.9/23

All: -0.021+/-0.208 χ^2/NDF: 38.5/43

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 876.497+/-0.342 χ^2/NDF:395196.2/4

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 768.762+/-0.319 χ^2/NDF:1009236.9/3

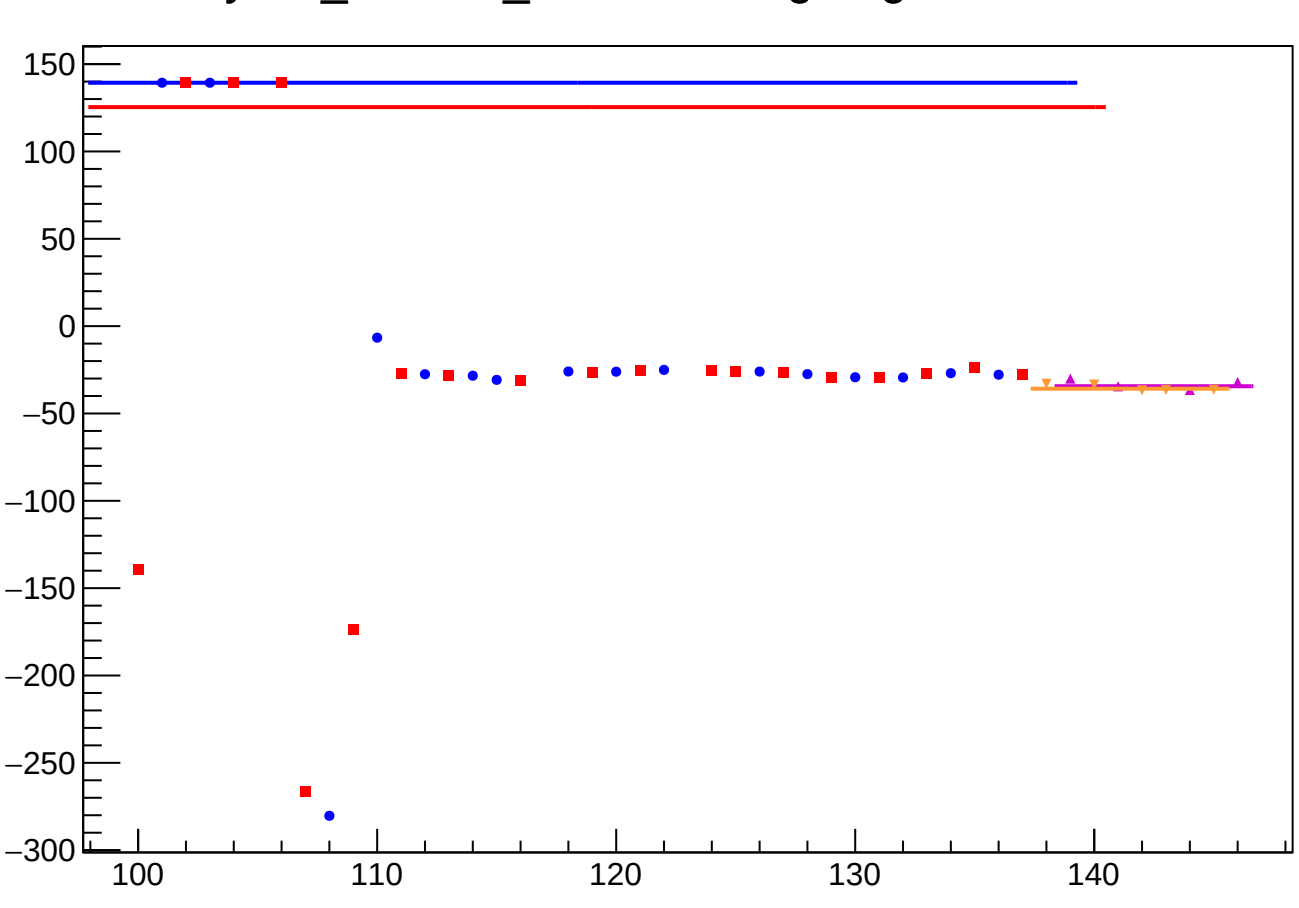
Left: 818.873+/-0.233 χ^2/NDF: 1457498.8/8

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

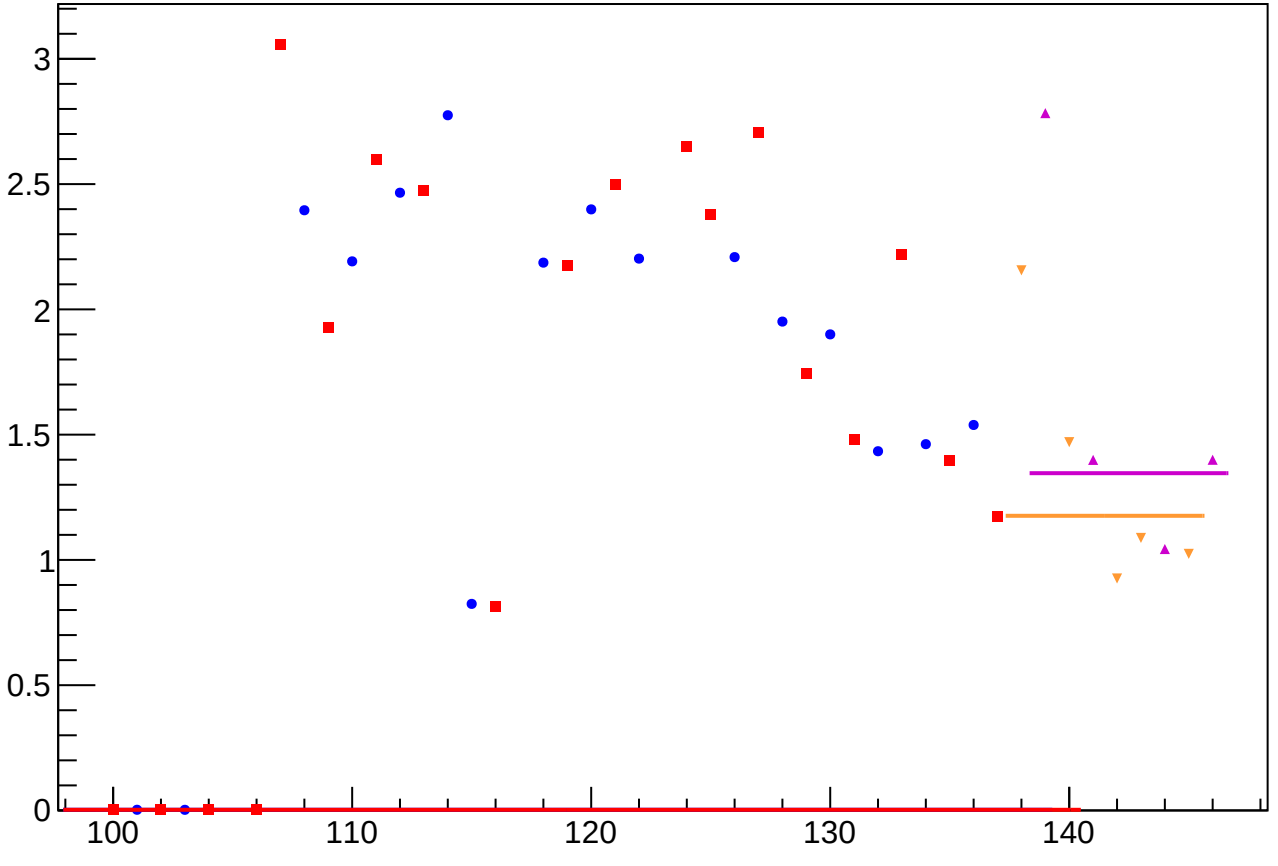
In: 907.480+/-0.207 χ^2/NDF:2036407.7/19

Out: 947.312+/-0.209 χ^2/NDF:1039203.4/23

All: 927.289+/-0.147 χ^2/NDF: 3093940.9/43


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -35.813+/-0.001 χ²/NDF:3286647.2/4
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -34.401+/-0.001 χ²/NDF:6991130.4/3
Left: -35.197+/-0.001 χ²/NDF: 11849654.8/8
Right: 131.818+/-0.000 χ²/NDF: 793004999492497
In: 139.335+/-0.000 χ²/NDF:89265191404.9/19
Out: 125.390+/-0.000 χ²/NDF:774220041995639.
All: 131.817+/-0.000 χ²/NDF: 79309434330

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.176+/-0.001 χ^2/NDF:392850.3/4

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.346+/-0.001 χ^2/NDF:554806.7/3

Left: 1.250+/-0.000 χ^2/NDF: 993235.1/8

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

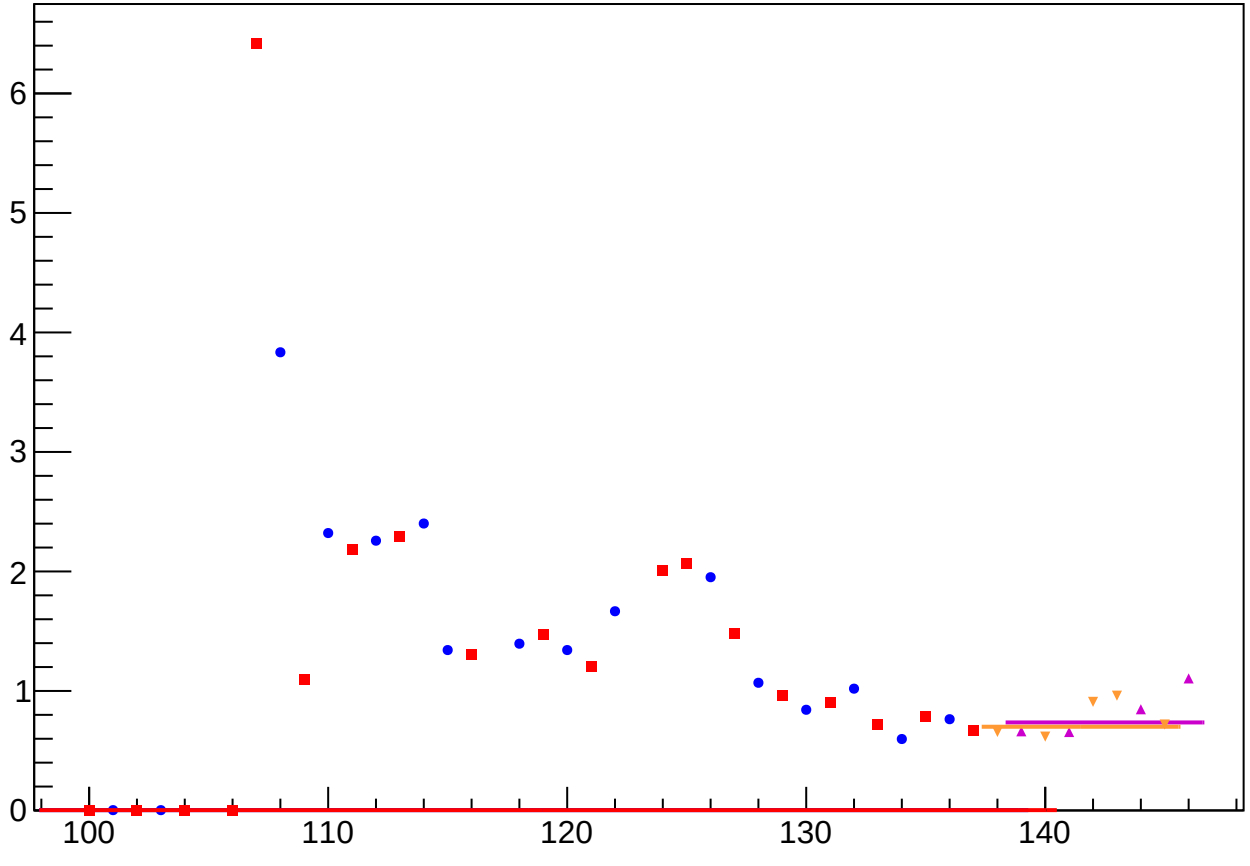
In: 0.003+/-0.000 χ^2/NDF:15164134.3/19

Out: 0.003+/-0.000 χ^2/NDF:15098976.3/23

All: 0.003+/-0.000 χ^2/NDF: 30263298.5/43

yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -61.592+/-0.000 χ²/NDF:13694915.0/4
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -61.815+/-0.000 χ²/NDF:9115745.4/3
Left: -61.697+/-0.000 χ²/NDF: 22947848.9/8
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.138+/-0.000 χ²/NDF:399786498049.0/19
Out: 104.220+/-0.000 χ²/NDF:1257564620947277
All: 120.826+/-0.000 χ²/NDF: 138126633331

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.701+/-0.000 χ^2/NDF:146525.7/4

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.736+/-0.000 χ^2/NDF:218109.0/3

Left: 0.717+/-0.000 χ^2/NDF: 371803.0/8

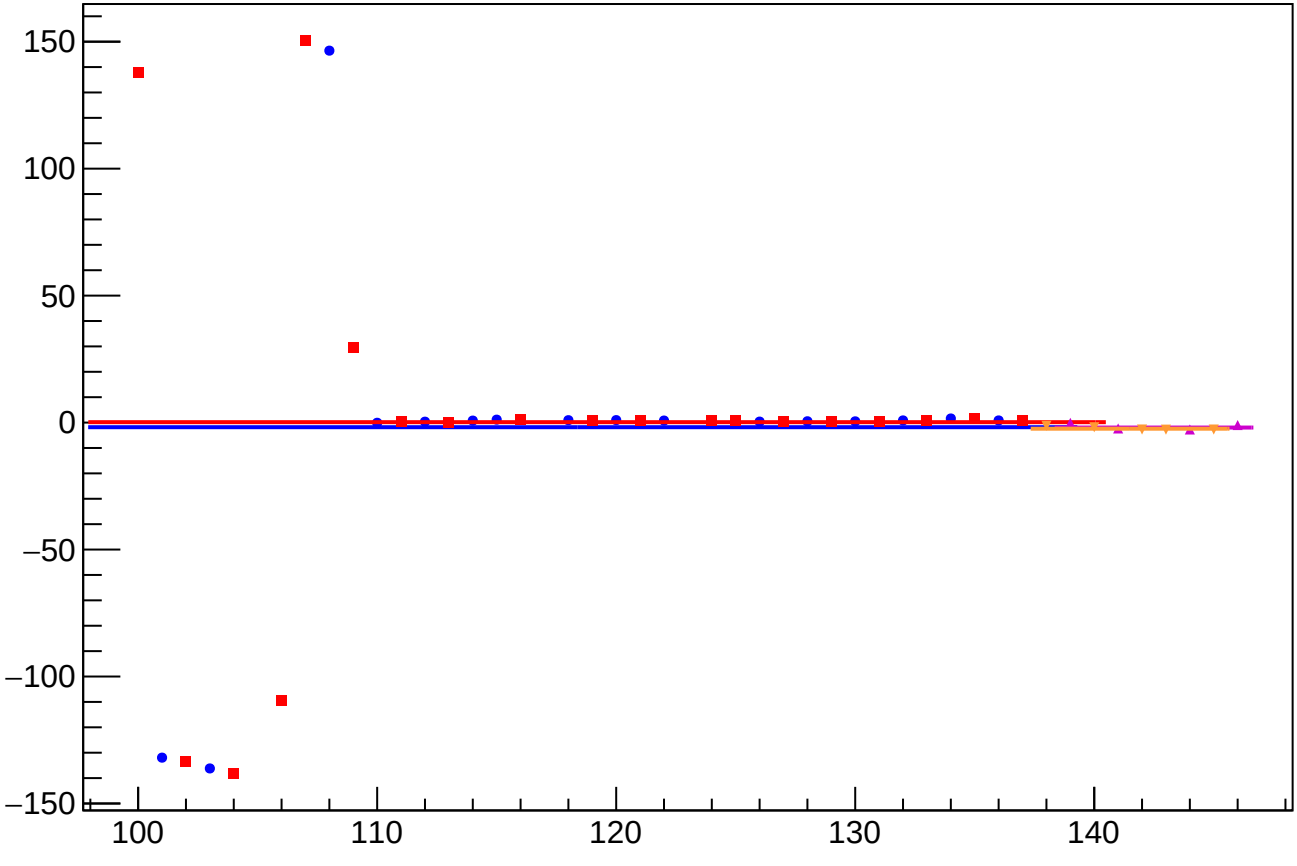
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:16402648.6/19

Out: 0.003+/-0.000 χ^2/NDF:16177747.8/23

All: 0.003+/-0.000 χ^2/NDF: 32580622.5/43

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -2.405+/-0.000 χ^2/NDF:3060888.8/4

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -1.954+/-0.000 χ^2/NDF:6737024.2/3

Left: -2.206+/-0.000 χ^2/NDF: 10799800.1/8

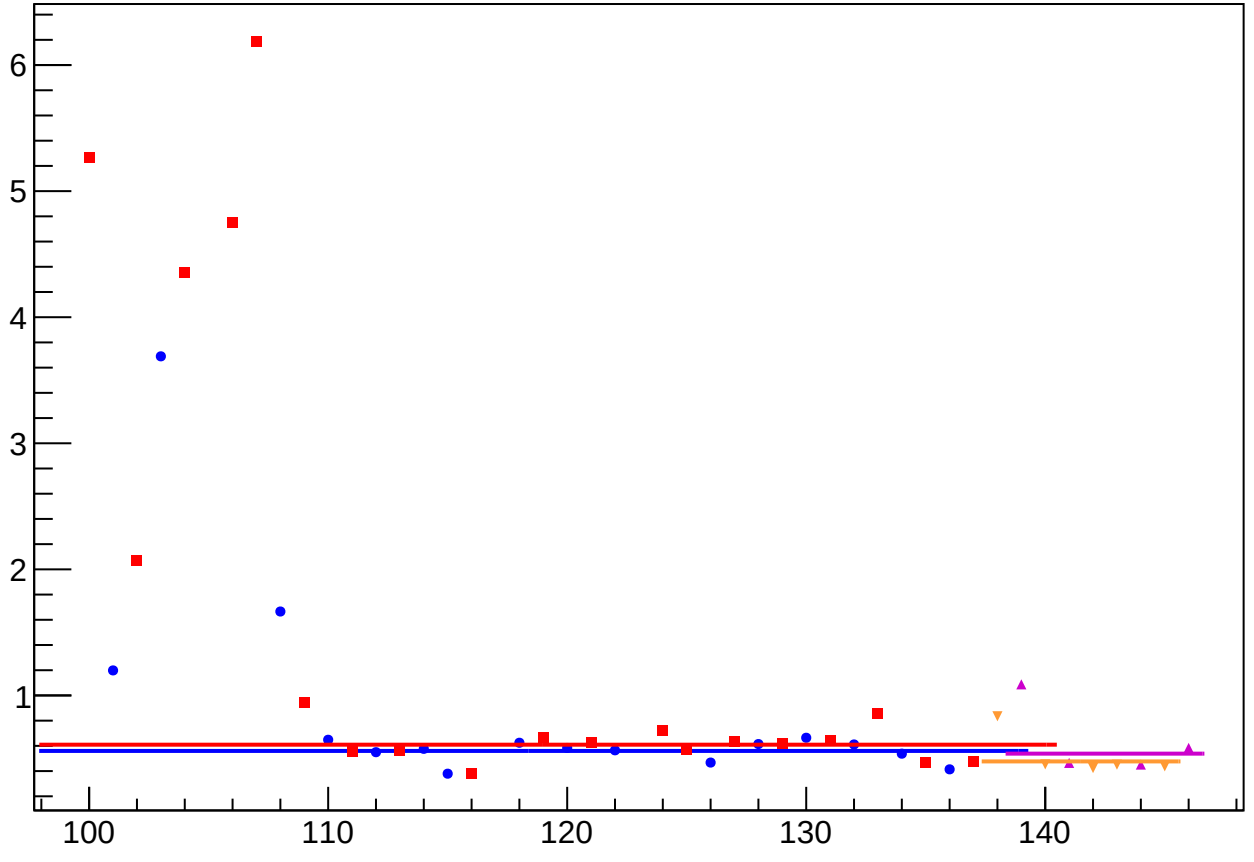
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.866+/-0.000 χ^2/NDF:9894021224.3/19

Out: -1.005+/-0.000 χ^2/NDF:3654525125.4/23

All: -1.439+/-0.000 χ^2/NDF: 13557741622.0/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.477+/-0.000 χ^2/NDF:270635.7/4

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.538+/-0.000 χ^2/NDF:516755.7/3

Left: 0.504+/-0.000 χ^2/NDF: 824979.2/8

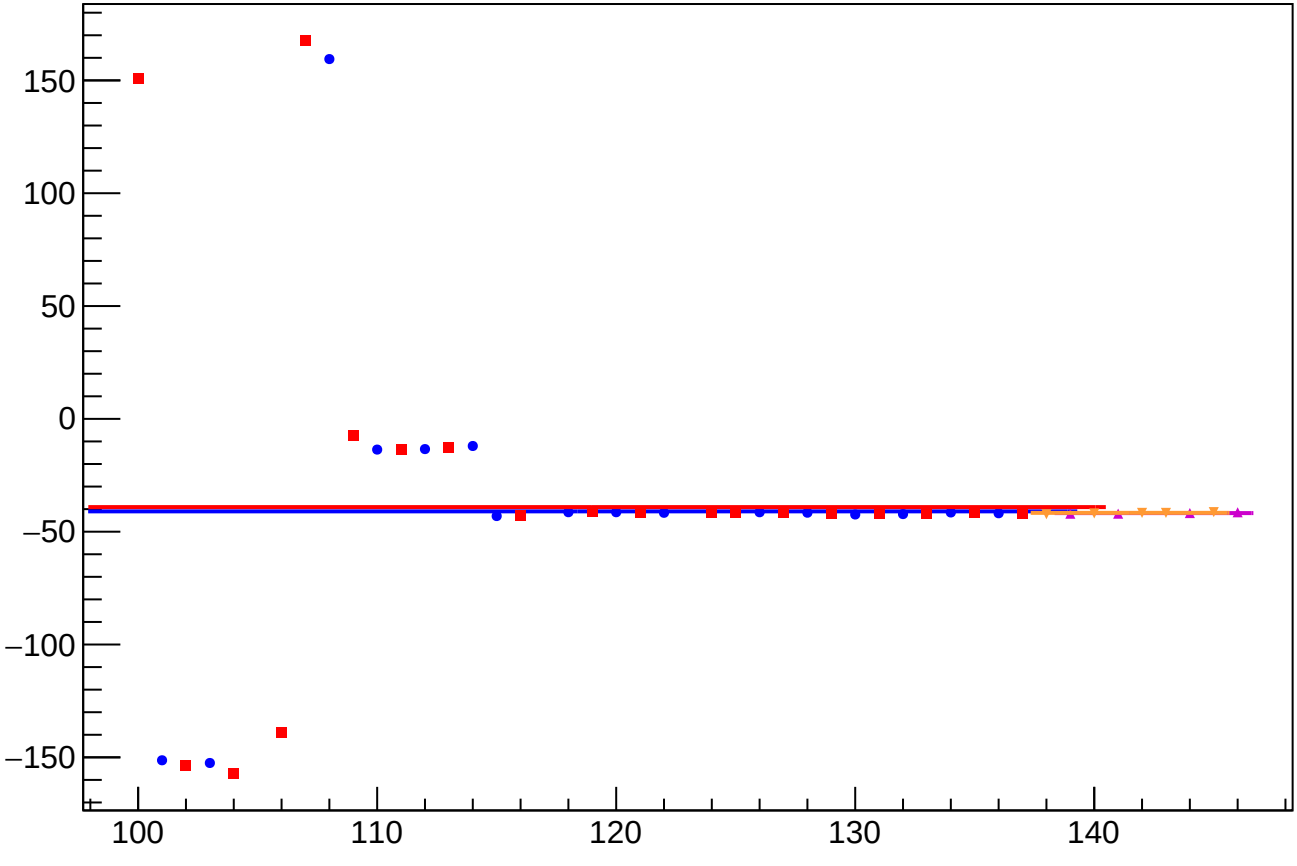
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.552+/-0.000 χ^2/NDF:2120498.7/19

Out: 0.549+/-0.000 χ^2/NDF:2961199.6/23

All: 0.551+/-0.000 χ^2/NDF: 5081959.6/43

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.649+/-0.000 χ^2/NDF:2276475.0/4

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.757+/-0.000 χ^2/NDF:1143404.4/3

Left: -41.695+/-0.000 χ^2/NDF: 3558469.6/8

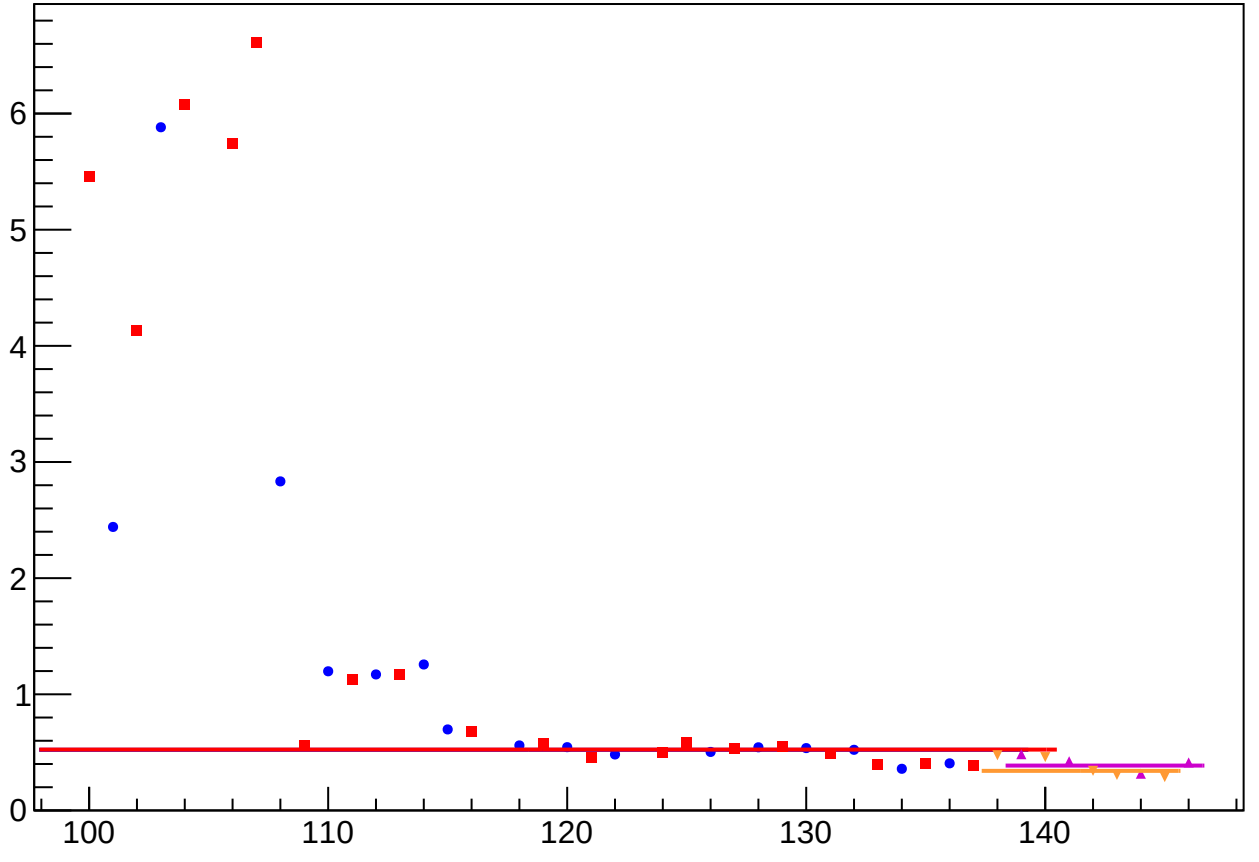
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.395+/-0.000 χ^2/NDF:3456565675.7/19

Out: -40.654+/-0.000 χ^2/NDF:2553276484.3/23

All: -40.996+/-0.000 χ^2/NDF: 6021456290.0/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.341+/-0.000 χ^2/NDF:279727.1/4

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.386+/-0.000 χ^2/NDF:164190.8/3

Left: 0.360+/-0.000 χ^2/NDF: 493197.6/8

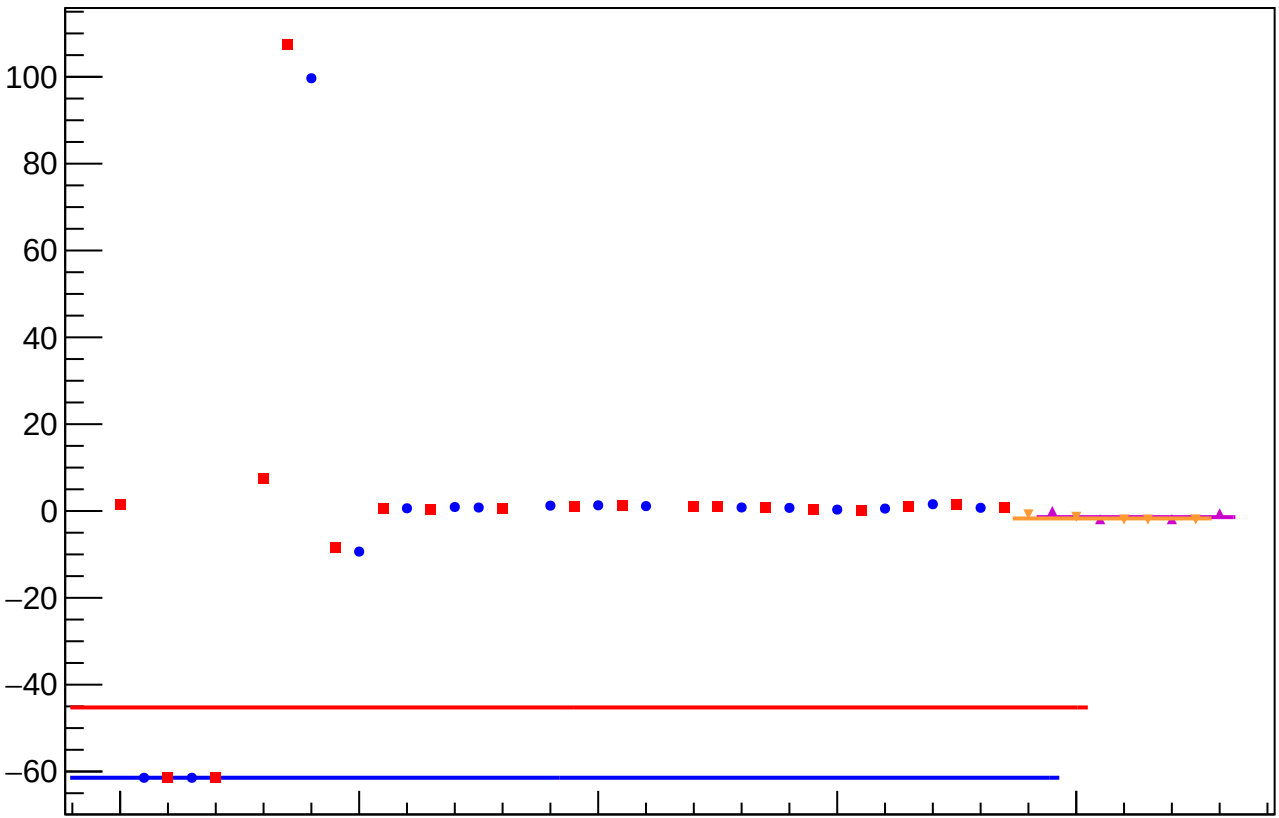
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.450+/-0.000 χ^2/NDF:3473719.9/19

Out: 0.412+/-0.000 χ^2/NDF:4275999.2/23

All: 0.430+/-0.000 χ^2/NDF: 7809903.8/43

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -1.713+/-0.000 χ^2/NDF:2286563.1/4

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: -1.411+/-0.000 χ^2/NDF:6281942.6/3

Left: -1.578+/-0.000 χ^2/NDF: 9208343.0/8

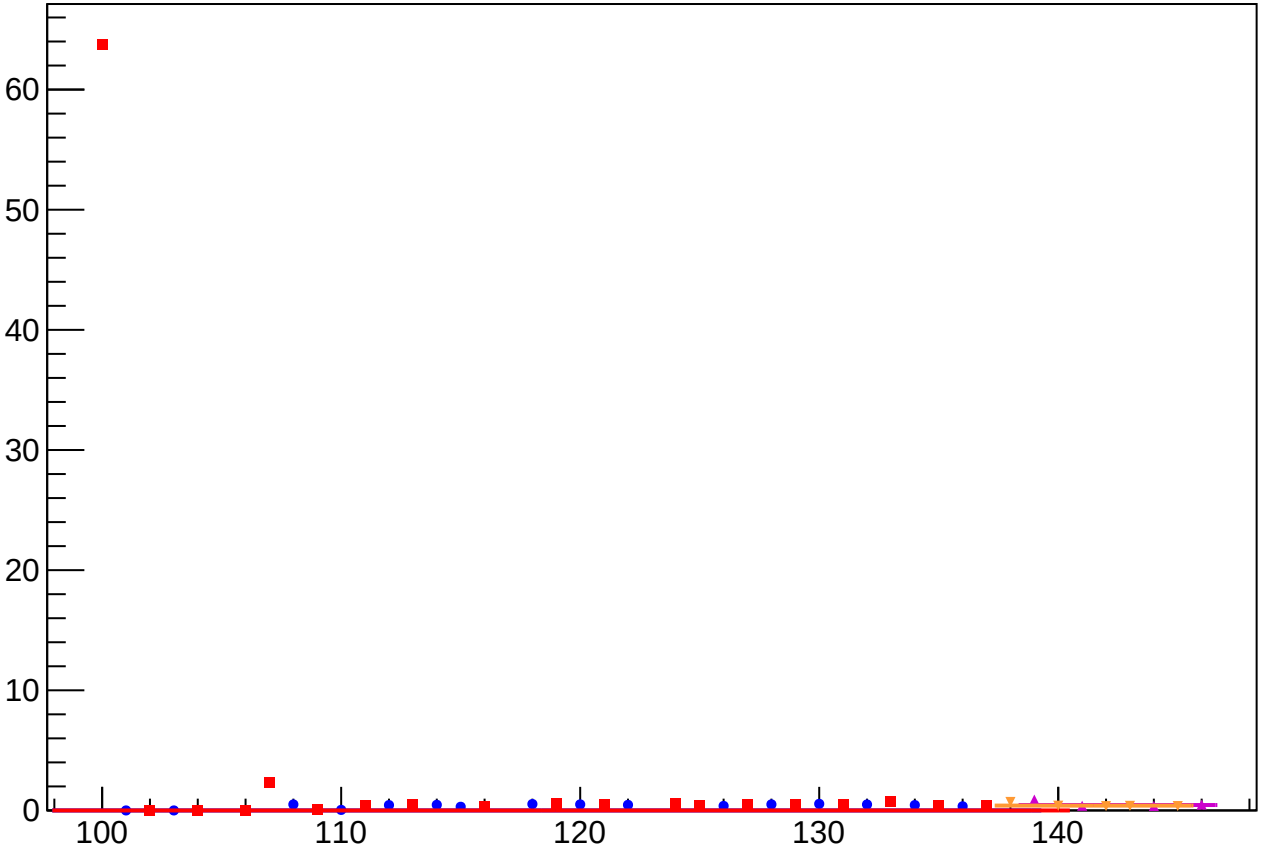
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.434+/-0.000 χ^2/NDF:318982666298.0/19

Out: -45.243+/-0.000 χ^2/NDF:357899949935584.9

All: -52.747+/-0.000 χ^2/NDF: 409195906826

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.405+/-0.000 χ^2/NDF:275527.2/4

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.452+/-0.000 χ^2/NDF:510714.6/3

Left: 0.426+/-0.000 χ^2/NDF: 816956.0/8

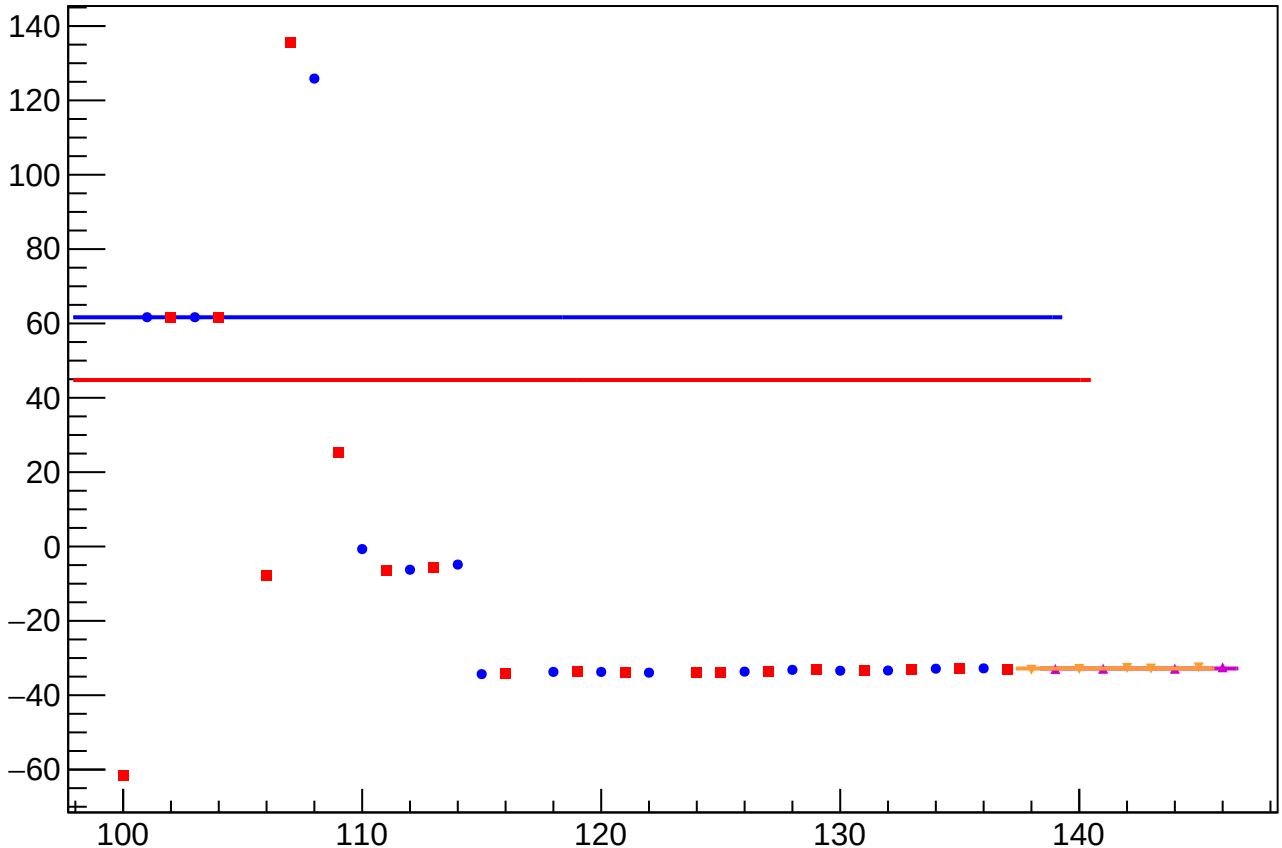
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:14791537.7/19

Out: 0.001+/-0.000 χ^2/NDF:14714175.6/23

All: 0.001+/-0.000 χ^2/NDF: 29505716.9/43

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.813+/-0.000 χ^2/NDF:1962259.4/4

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.811+/-0.000 χ^2/NDF:849371.1/3

Left: -32.812+/-0.000 χ^2/NDF: 2811687.1/8

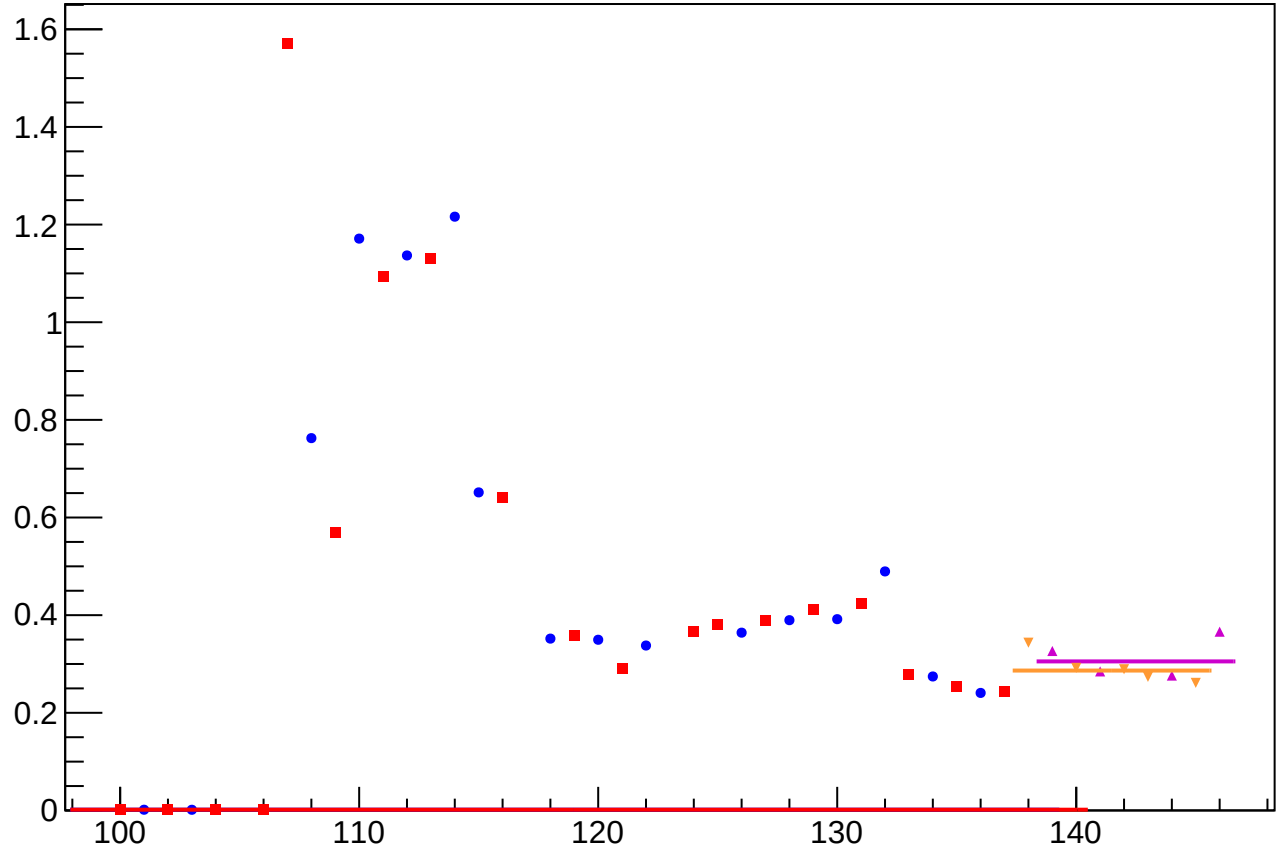
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.652+/-0.000 χ^2/NDF:685692625580.2/19

Out: 44.777+/-0.000 χ^2/NDF:366350063871919.0

All: 52.679+/-0.000 χ^2/NDF: 418137023025

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.287+/-0.000 χ^2/NDF:59505.1/4

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.305+/-0.000 χ^2/NDF:80329.4/3

Left: 0.295+/-0.000 χ^2/NDF: 153379.3/8

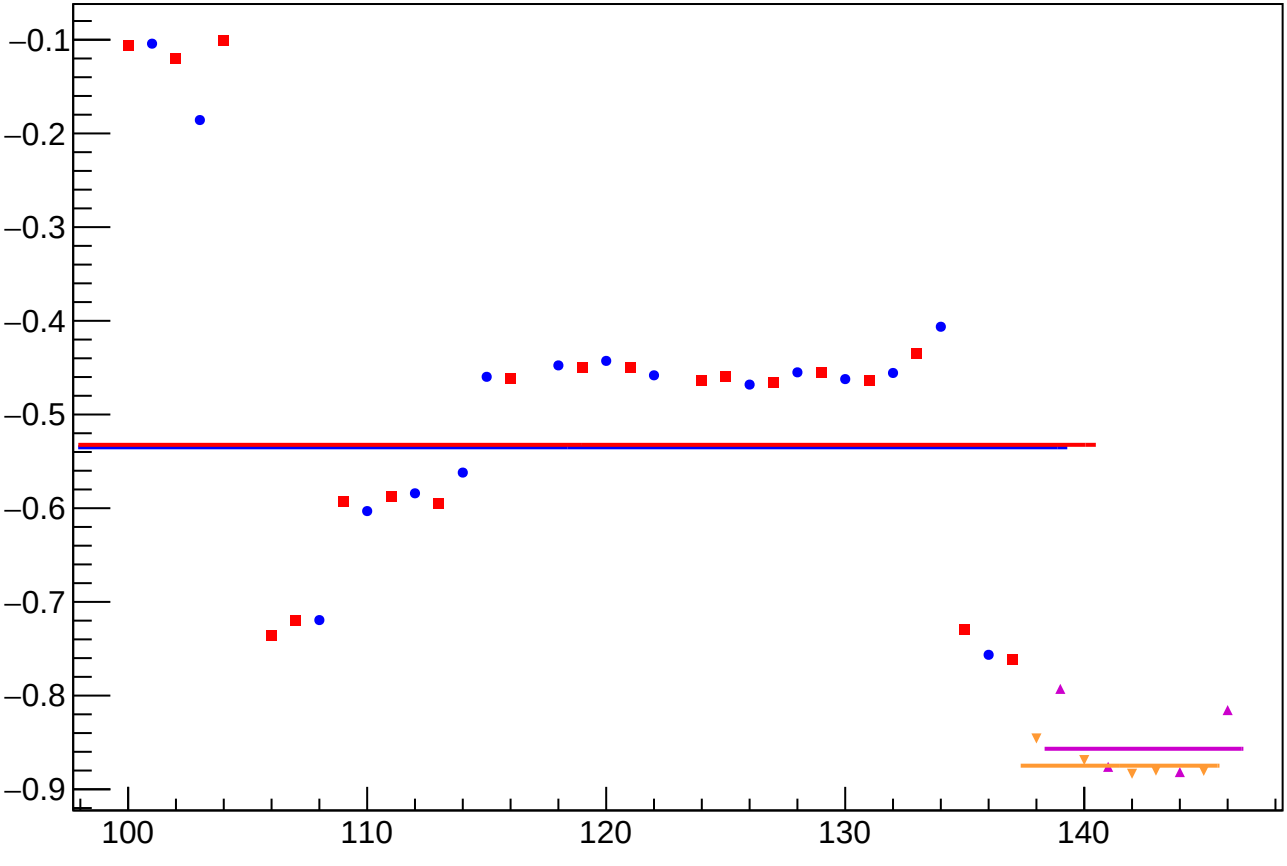
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:17643486.5/19

Out: 0.002+/-0.000 χ^2/NDF:17506455.1/23

All: 0.002+/-0.000 χ^2/NDF: 35150064.9/43

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.875+/-0.000 χ^2/NDF:924595.9/4

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.857+/-0.000 χ^2/NDF:7150849.1/3

Left: -0.867+/-0.000 χ^2/NDF: 9277790.4/8

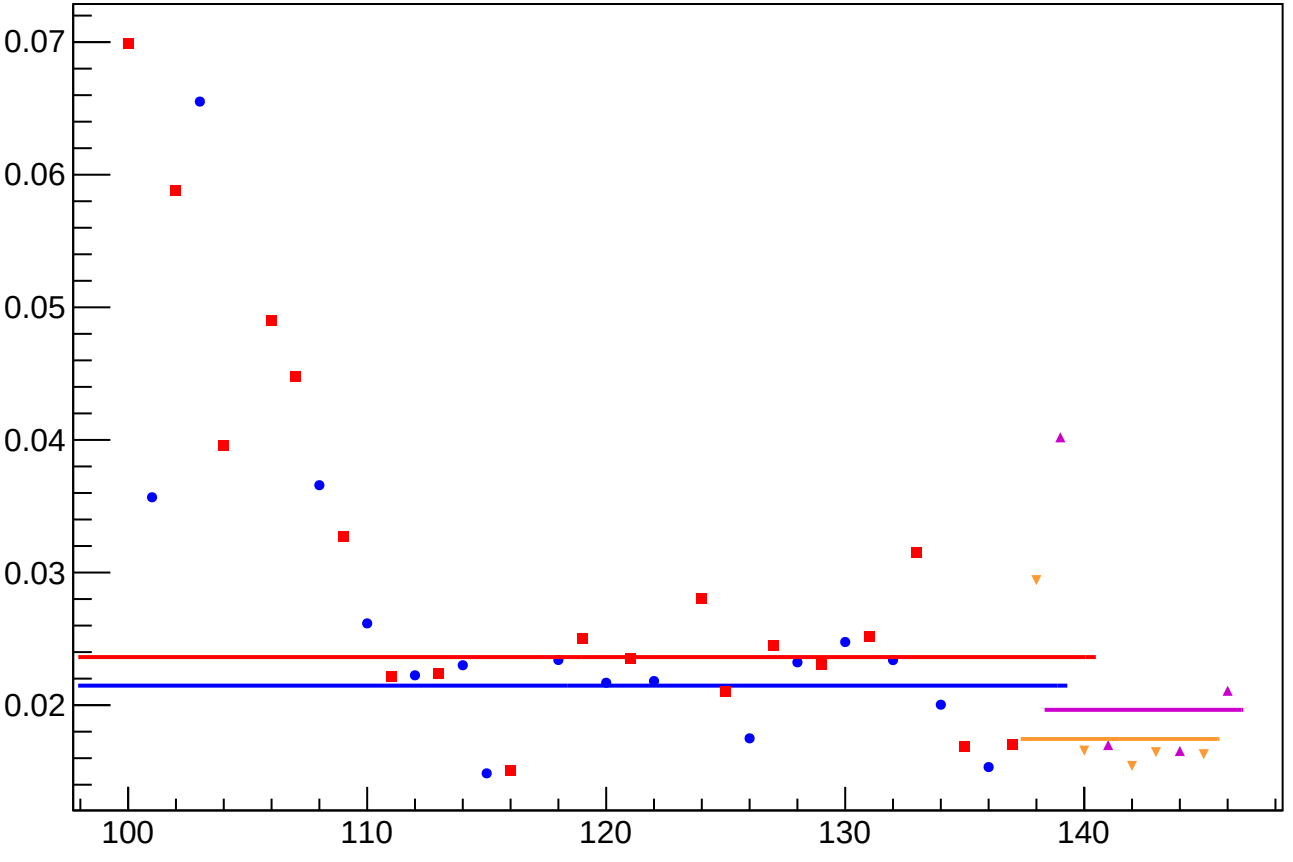
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.652+/-0.000 χ^2/NDF:745442950.9/19

Out: -0.688+/-0.000 χ^2/NDF:747714318.6/23

All: -0.670+/-0.000 χ^2/NDF: 1505040800.5/4

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:237759.4/4

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:522324.7/3

Left: 0.018+/-0.000 χ^2/NDF: 795765.2/8

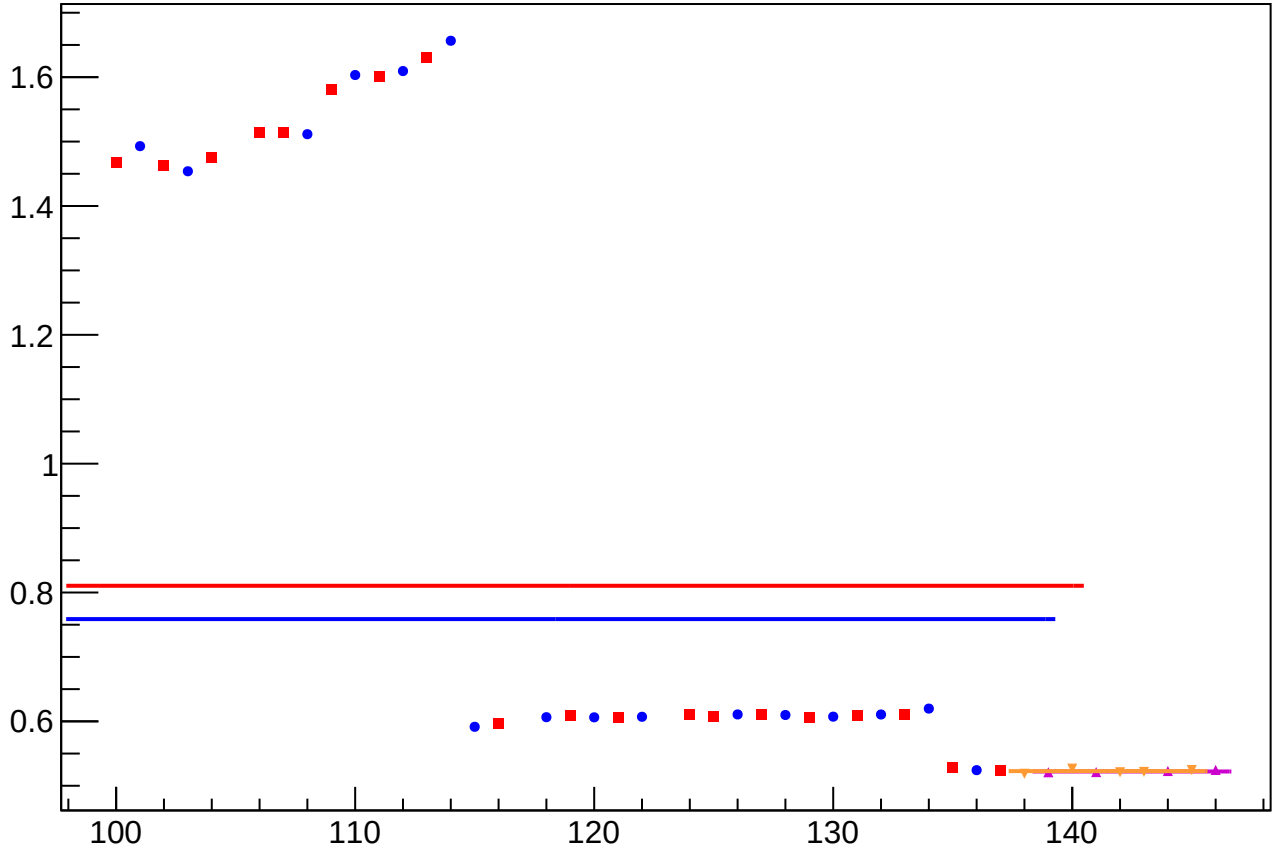
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1704427.1/19

Out: 0.021+/-0.000 χ^2/NDF:1861465.9/23

All: 0.021+/-0.000 χ^2/NDF: 3565894.9/43

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.523+/-0.000 χ^2/NDF:219790.1/4

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.522+/-0.000 χ^2/NDF:38393.1/3

Left: 0.522+/-0.000 χ^2/NDF: 262313.3/8

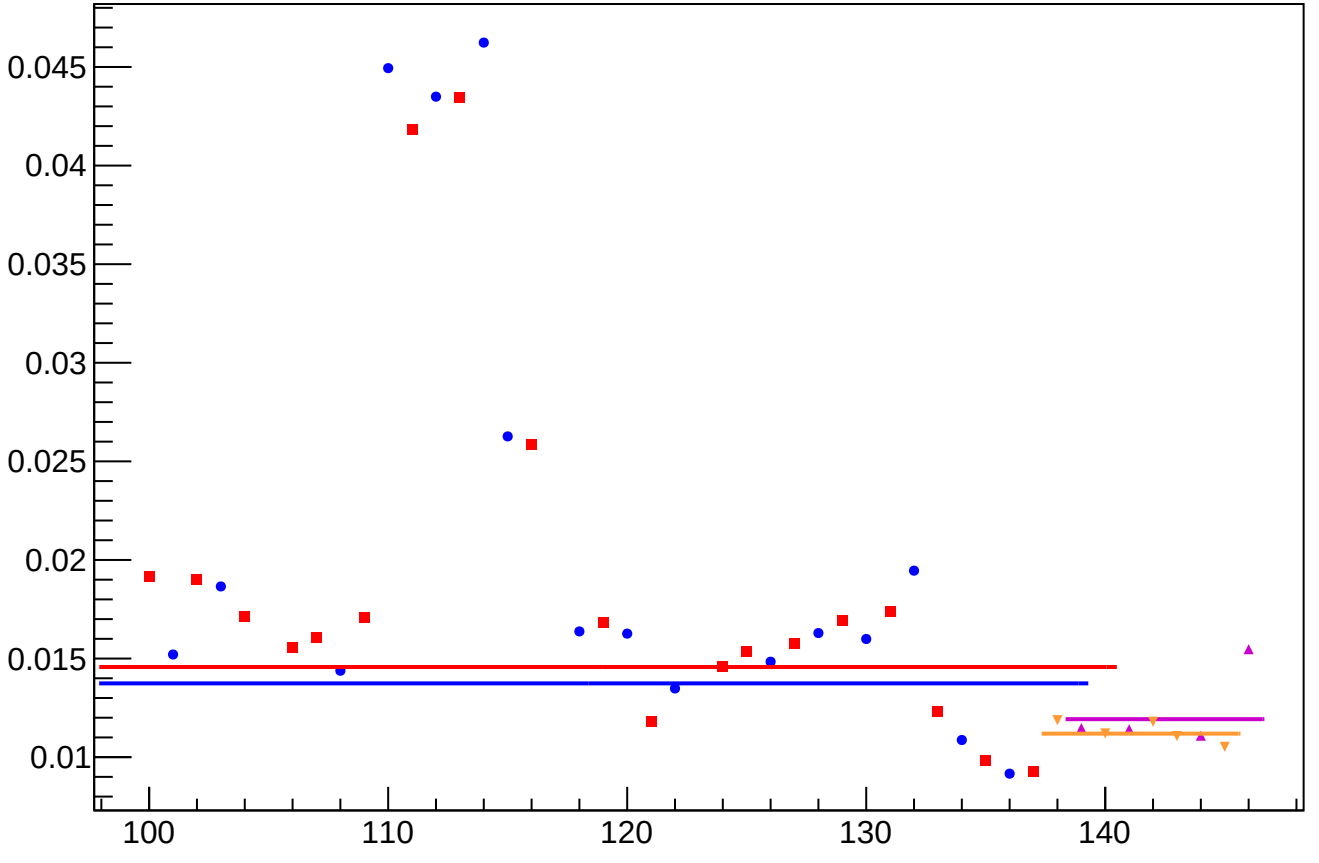
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.658+/-0.000 χ^2/NDF:5051832739.9/19

Out: 0.669+/-0.000 χ^2/NDF:5961884554.4/23

All: 0.664+/-0.000 χ^2/NDF: 11017075074.0/4

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:13713.0/4

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:101087.5/3

Left: 0.012+/-0.000 χ^2/NDF: 128503.1/8

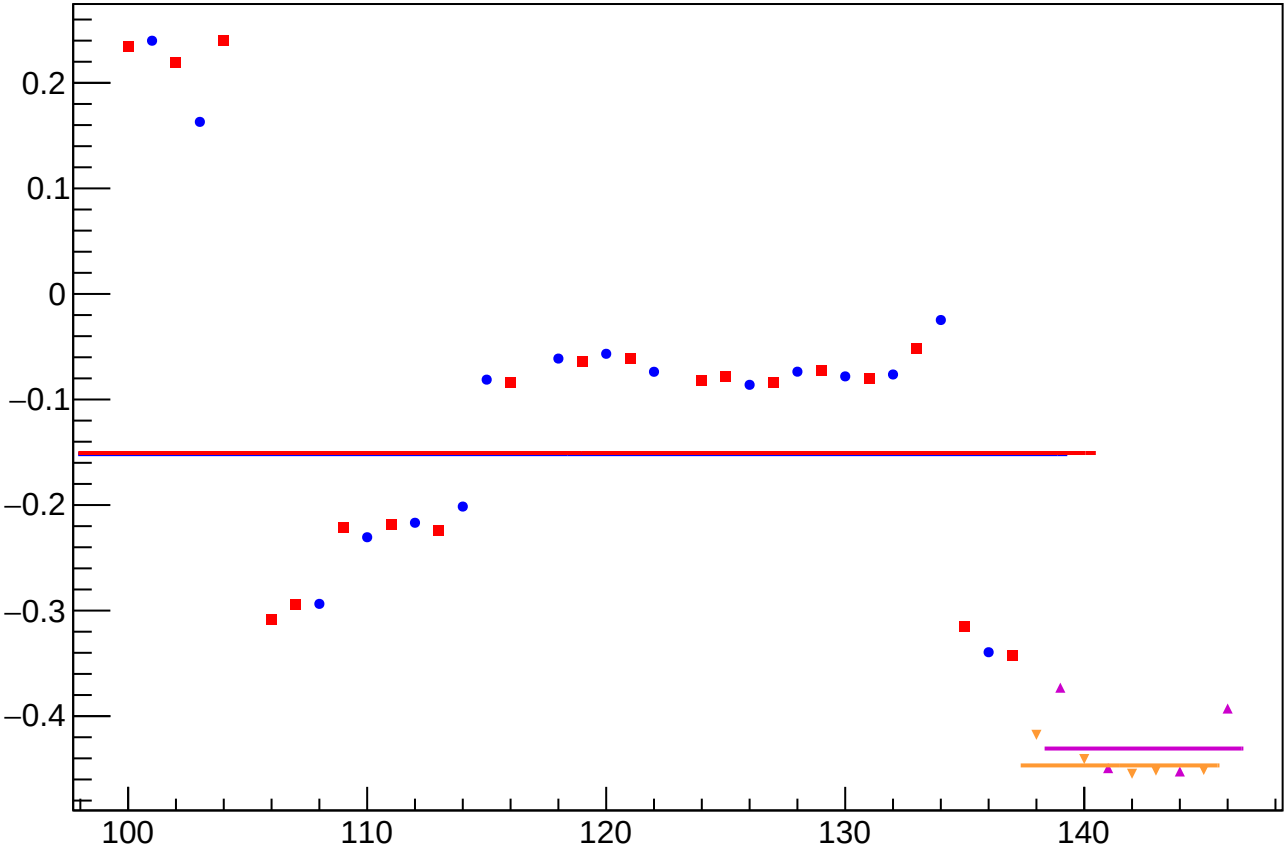
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:1838893.3/19

Out: 0.013+/-0.000 χ^2/NDF:1797701.7/23

All: 0.013+/-0.000 χ^2/NDF: 3636775.6/43

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.447+/-0.000 χ^2/NDF:959444.2/4

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.431+/-0.000 χ^2/NDF:6837982.7/3

Left: -0.439+/-0.000 χ^2/NDF: 8860885.2/8

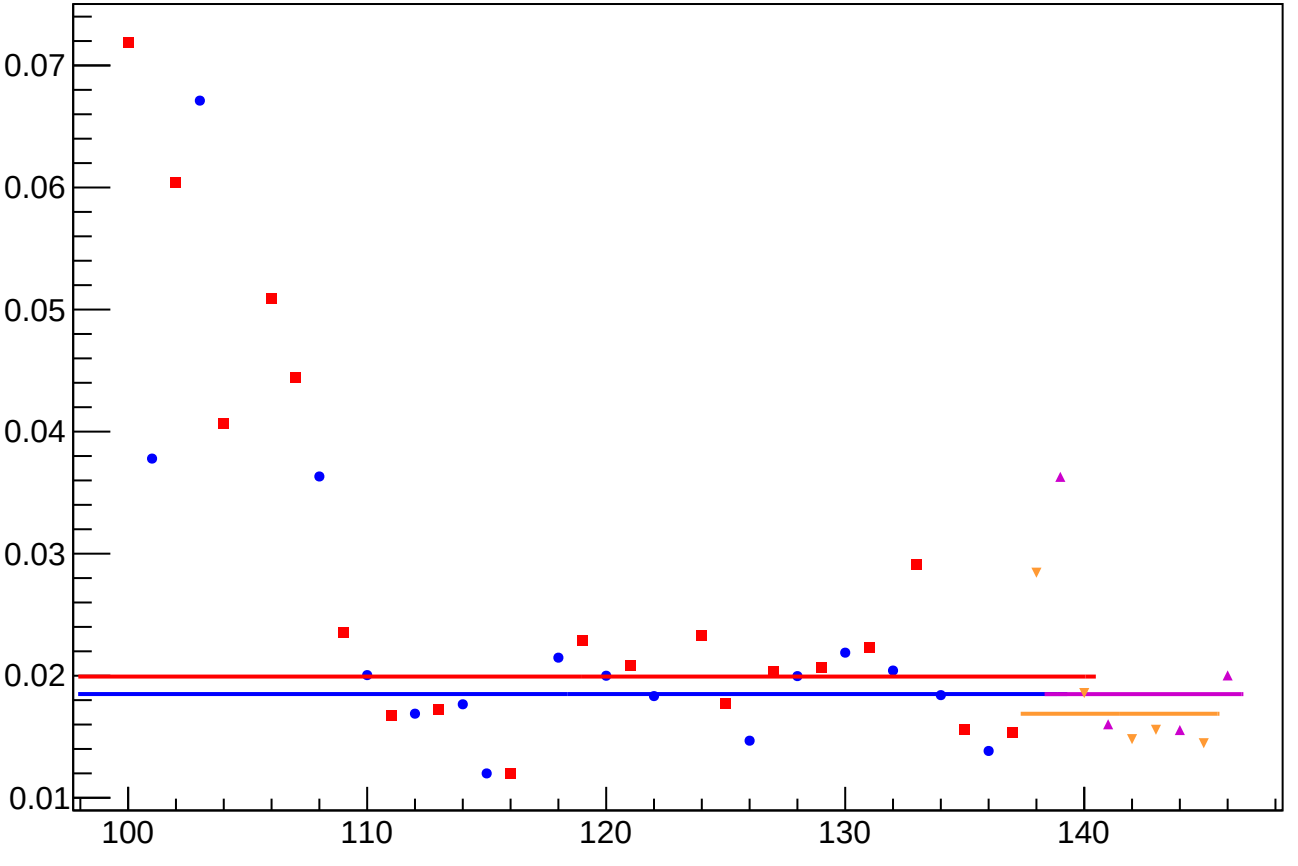
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.244+/-0.000 χ^2/NDF:680246168.3/19

Out: -0.269+/-0.000 χ^2/NDF:681331612.7/23

All: -0.257+/-0.000 χ^2/NDF: 1368848056.5/4

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.017+/-0.000 χ^2/NDF:283396.4/4

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.018+/-0.000 χ^2/NDF:490110.7/3

Left: 0.018+/-0.000 χ^2/NDF: 795009.8/8

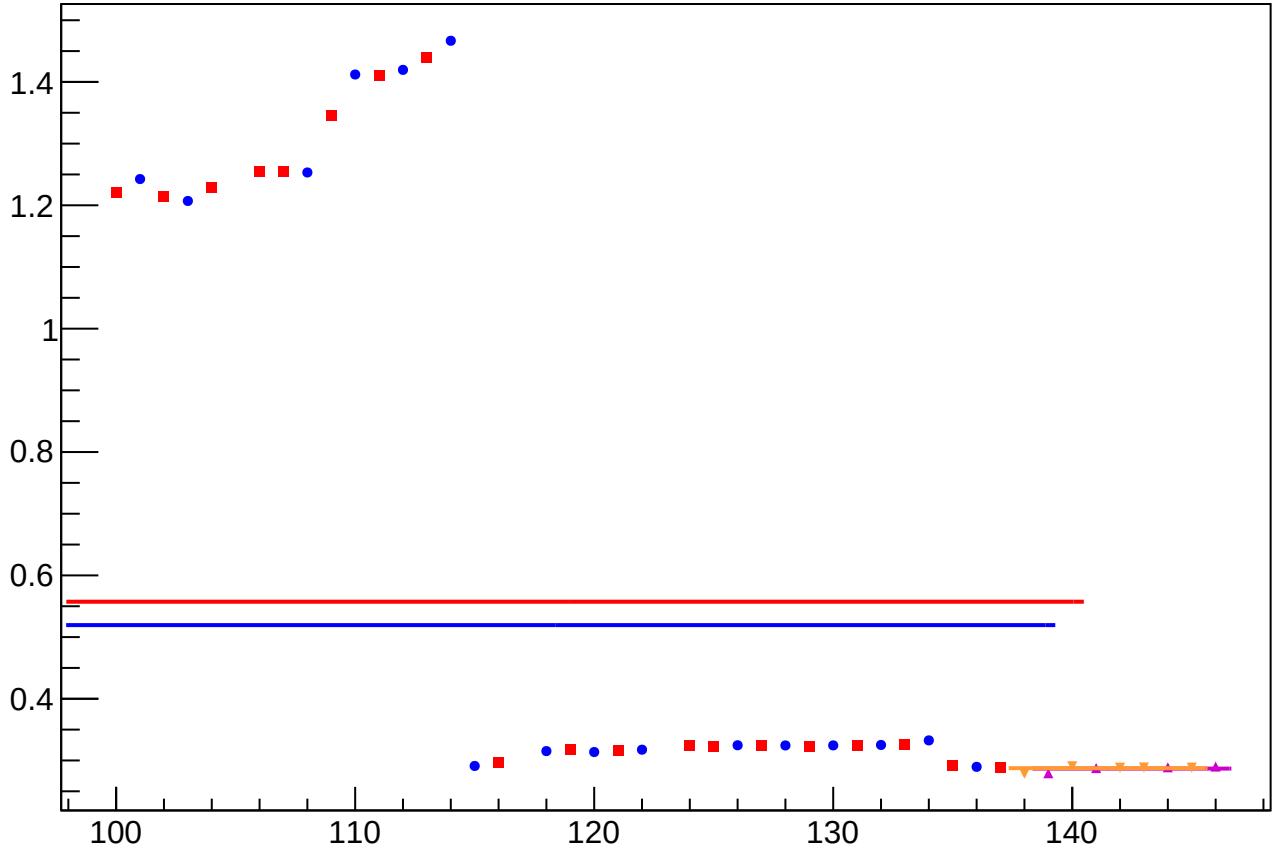
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.018+/-0.000 χ^2/NDF:1862470.1/19

Out: 0.019+/-0.000 χ^2/NDF:1932864.0/23

All: 0.019+/-0.000 χ^2/NDF: 3796392.3/43

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.287+/-0.000 χ^2/NDF:411775.6/4

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.287+/-0.000 χ^2/NDF:395856.7/3

Left: 0.287+/-0.000 χ^2/NDF: 813644.6/8

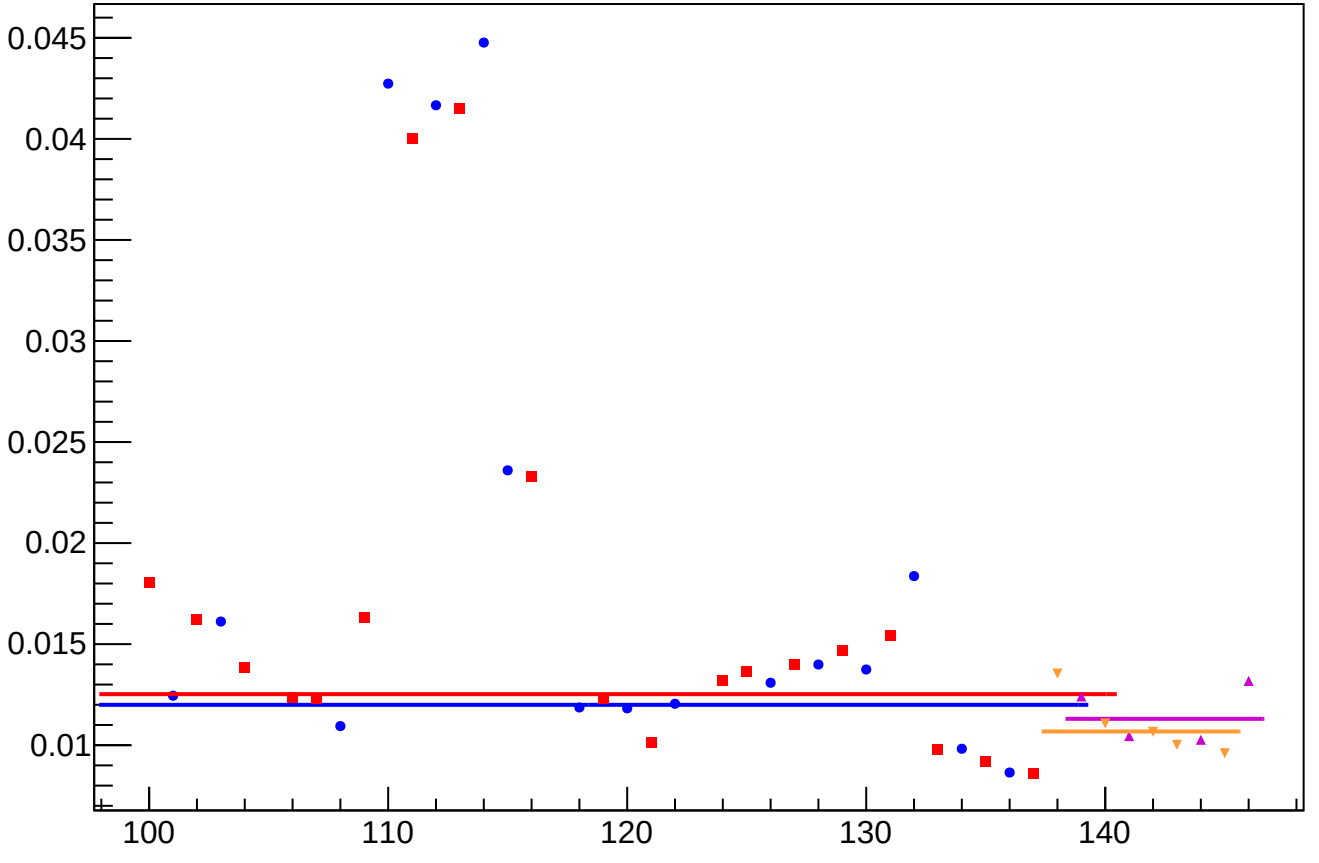
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.430+/-0.000 χ^2/NDF:7179753508.8/19

Out: 0.439+/-0.000 χ^2/NDF:7990281686.5/23

All: 0.435+/-0.000 χ^2/NDF: 15172876987.8/4

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:95209.9/4

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:75148.1/3

Left: 0.011+/-0.000 χ^2/NDF: 181309.3/8

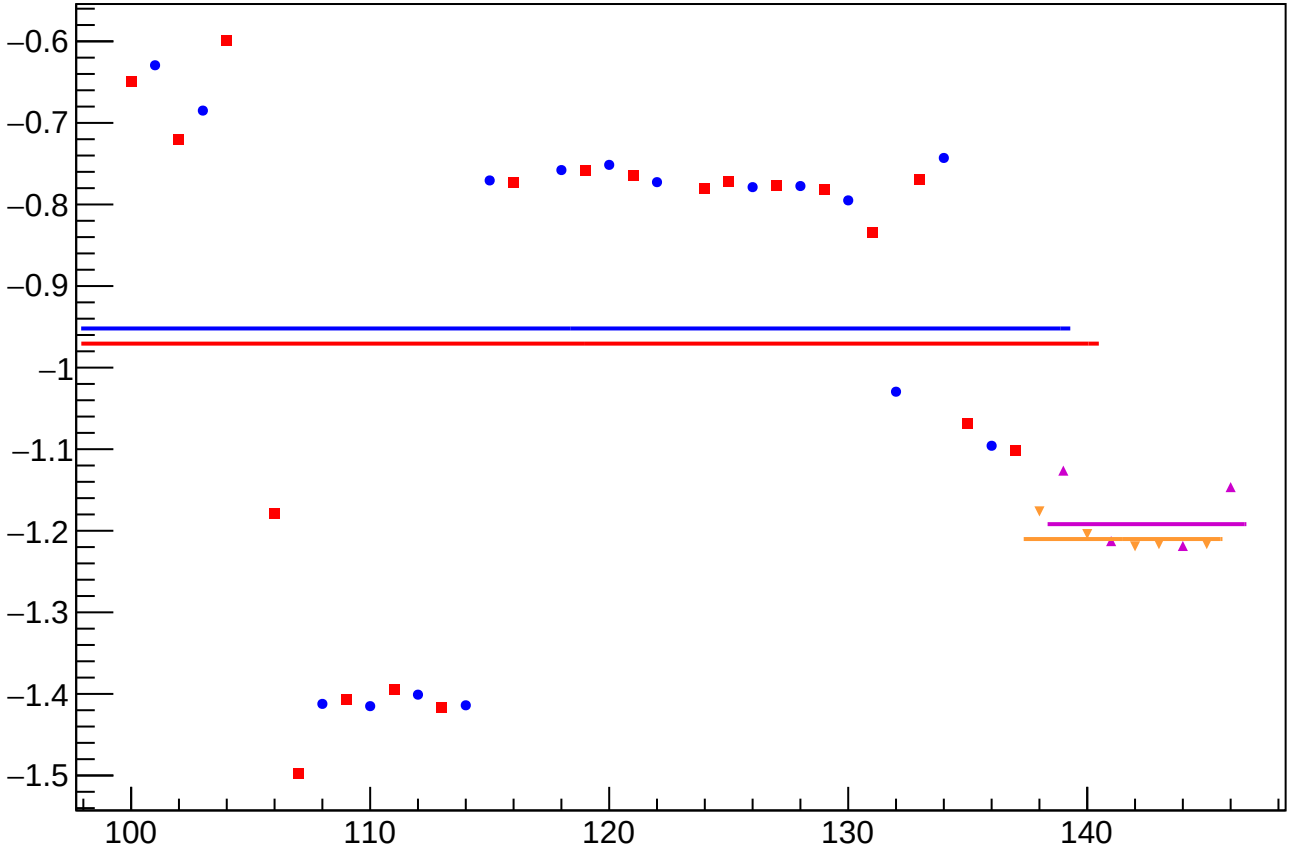
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1582013.8/19

Out: 0.012+/-0.000 χ^2/NDF:1645988.5/23

All: 0.012+/-0.000 χ^2/NDF: 3228016.2/43

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.210+/-0.000 χ^2/NDF:1263658.5/4

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.192+/-0.000 χ^2/NDF:8606584.7/3

Left: -1.202+/-0.000 χ^2/NDF: 11160880.0/8

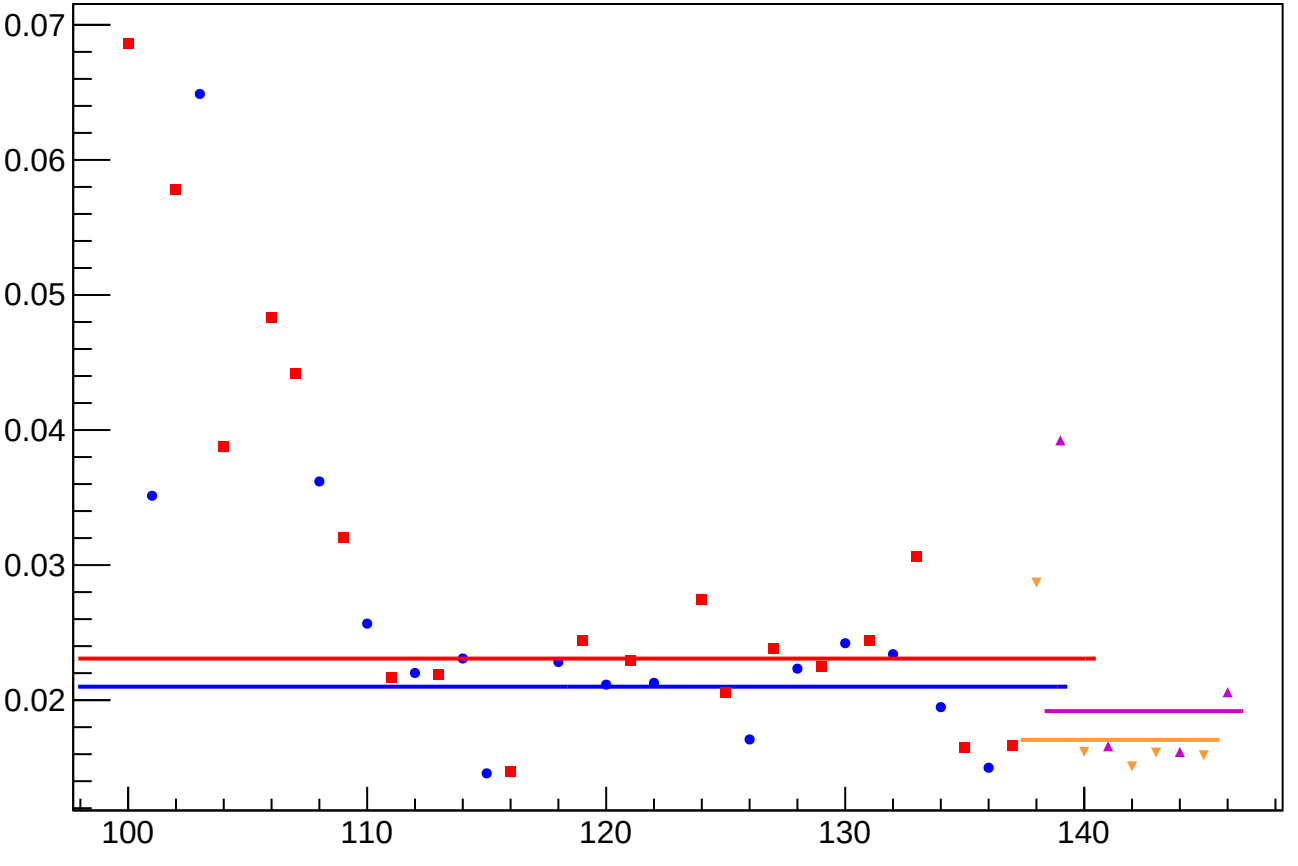
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.039+/-0.000 χ^2/NDF:962707008.2/19

Out: -1.080+/-0.000 χ^2/NDF:988463951.8/23

All: -1.060+/-0.000 χ^2/NDF: 1966626081.5/4

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.017+/-0.000 χ^2/NDF:236301.6/4

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:521572.5/3

Left: 0.018+/-0.000 χ^2/NDF: 792961.8/8

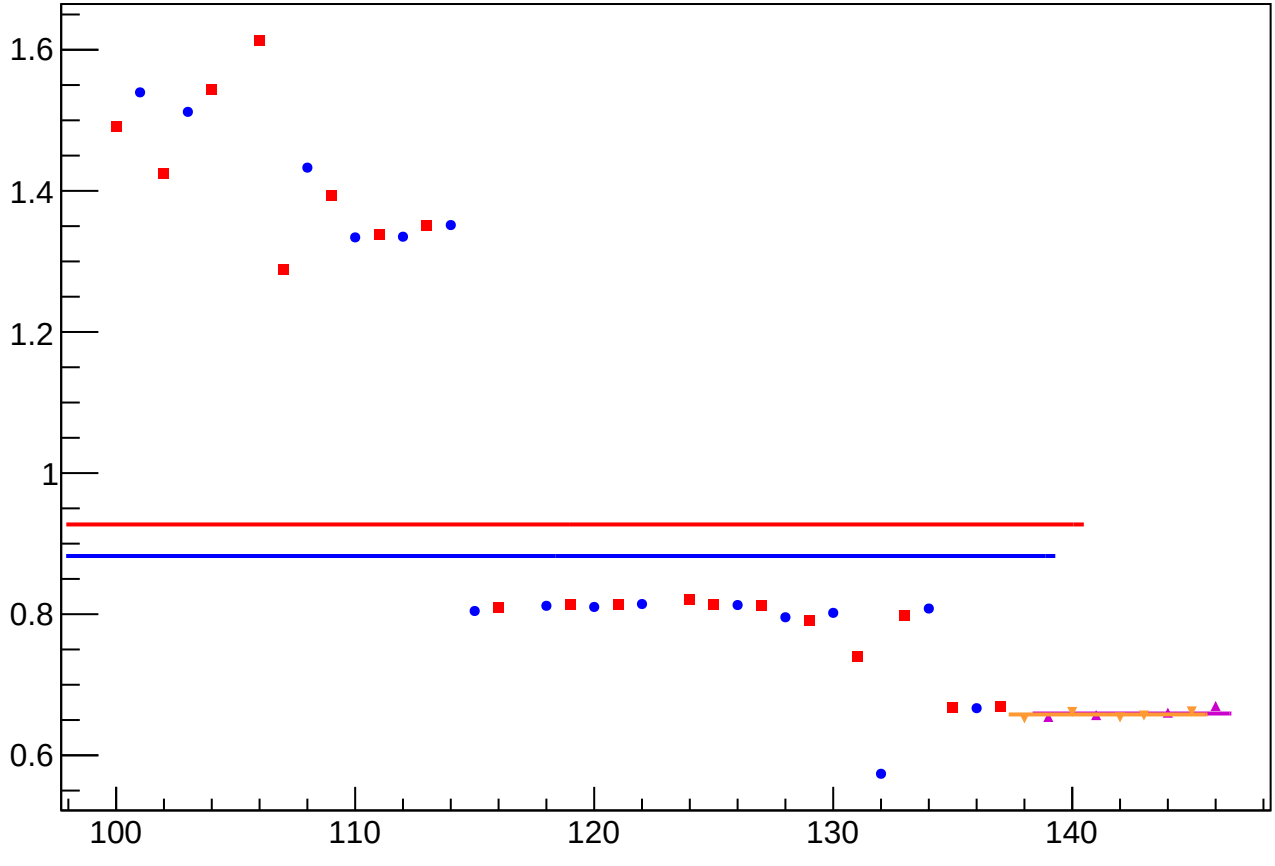
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1717524.4/19

Out: 0.020+/-0.000 χ^2/NDF:1861728.9/23

All: 0.020+/-0.000 χ^2/NDF: 3579253.3/43

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.658+/-0.000 χ^2/NDF:447683.0/4

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.659+/-0.000 χ^2/NDF:572940.6/3

Left: 0.658+/-0.000 χ^2/NDF: 1043465.0/8

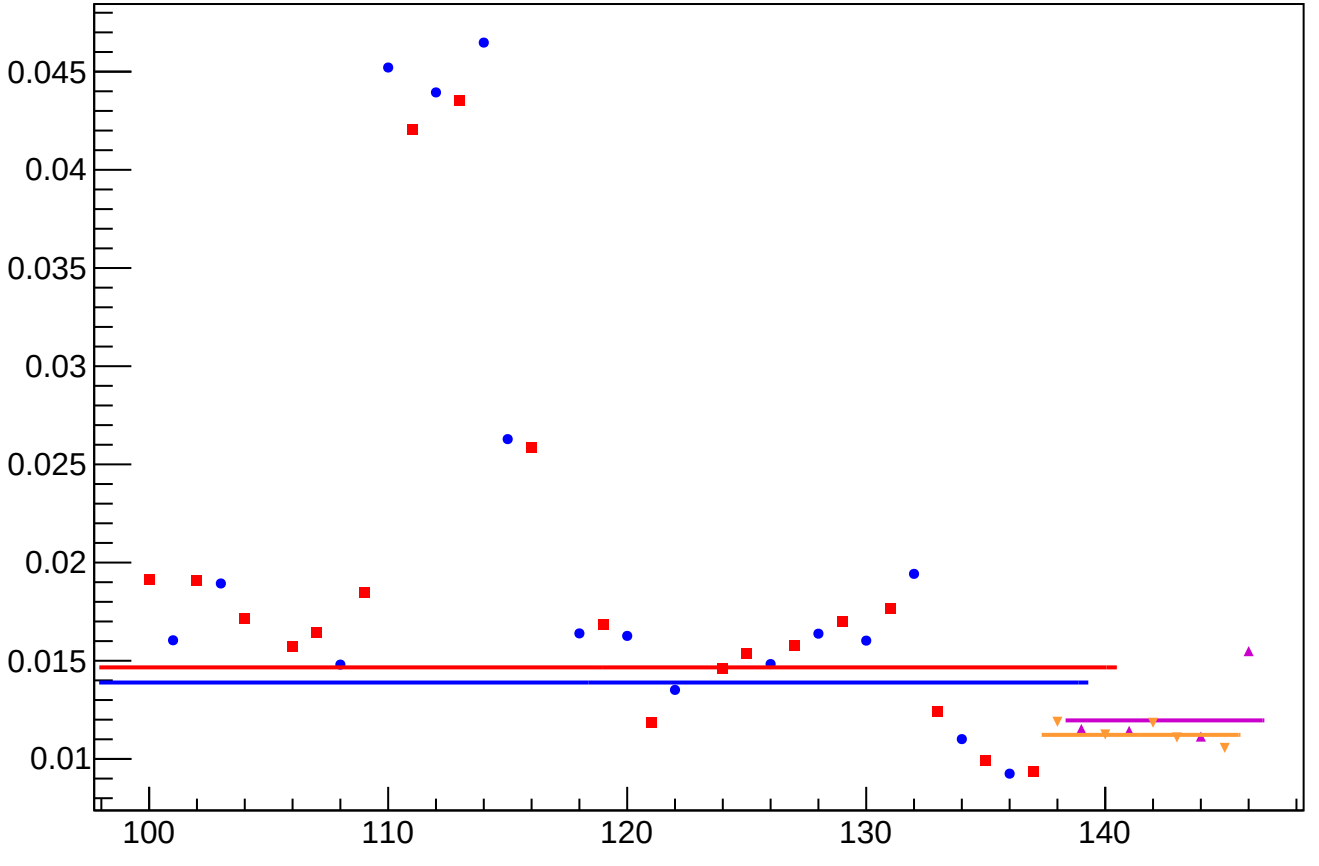
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.787+/-0.000 χ^2/NDF:3440884609.1/19

Out: 0.794+/-0.000 χ^2/NDF:3795804387.0/23

All: 0.791+/-0.000 χ^2/NDF: 7238286868.1/43

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:13442.4/4

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:99510.0/3

Left: 0.012+/-0.000 χ^2/NDF: 126716.9/8

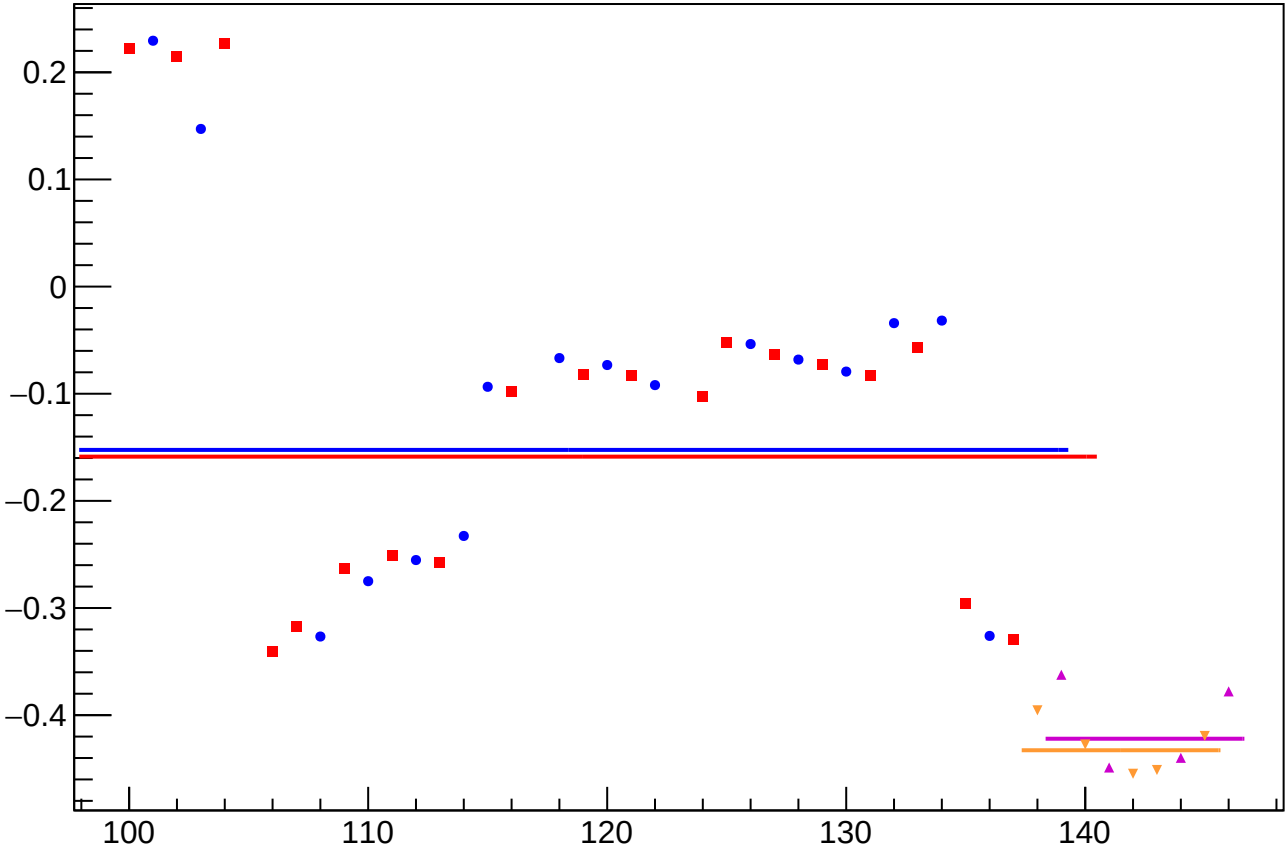
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:1844134.5/19

Out: 0.013+/-0.000 χ^2/NDF:1816739.8/23

All: 0.013+/-0.000 χ^2/NDF: 3661398.2/43

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.433+/-0.000 χ^2/NDF:3143454.4/4

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.422+/-0.000 χ^2/NDF:8222884.3/3

Left: -0.428+/-0.000 χ^2/NDF: 11847947.1/8

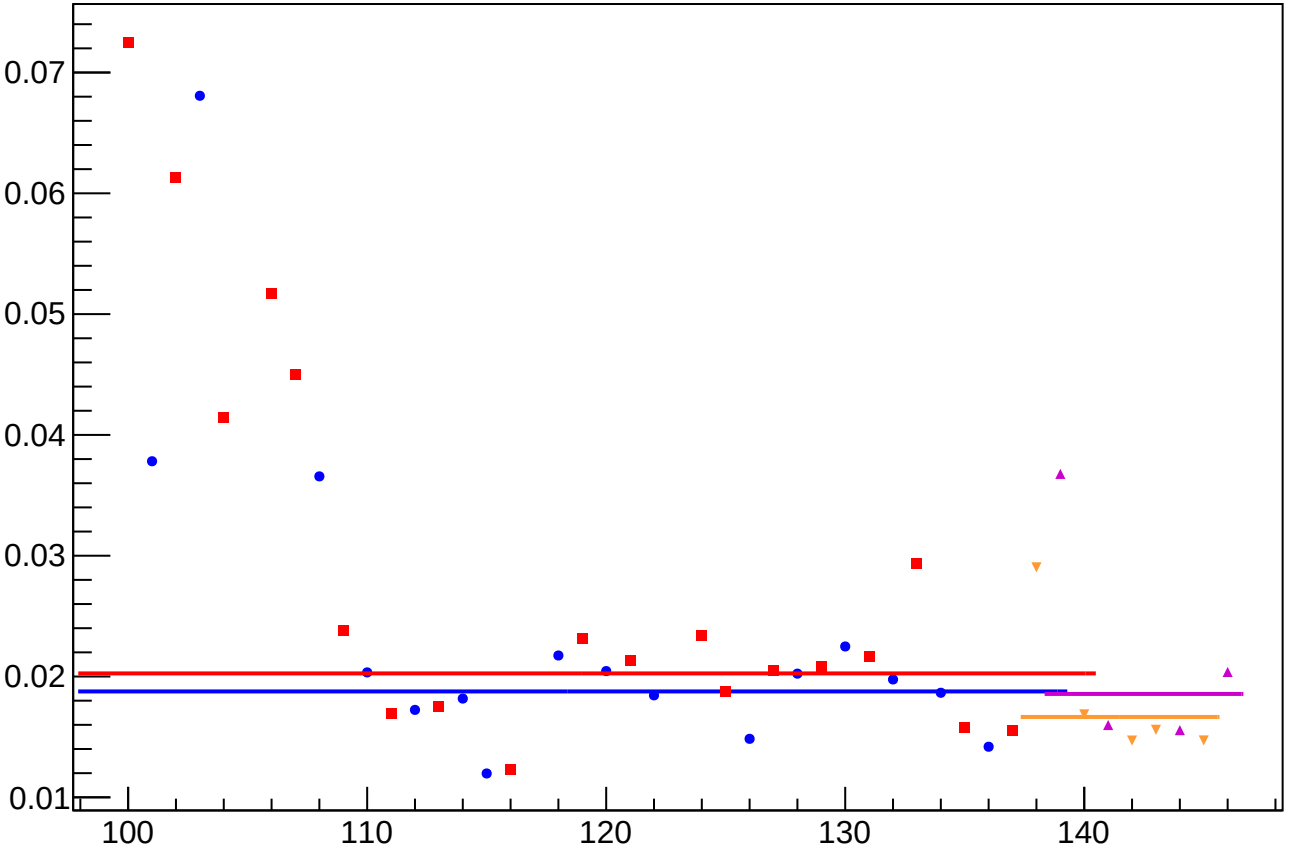
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.243+/-0.000 χ^2/NDF:646766899.7/19

Out: -0.272+/-0.000 χ^2/NDF:609326276.3/23

All: -0.257+/-0.000 χ^2/NDF: 1265632457.0/4

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.017+/-0.000 χ^2/NDF:282511.6/4

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:504643.0/3

Left: 0.018+/-0.000 χ^2/NDF: 817387.1/8

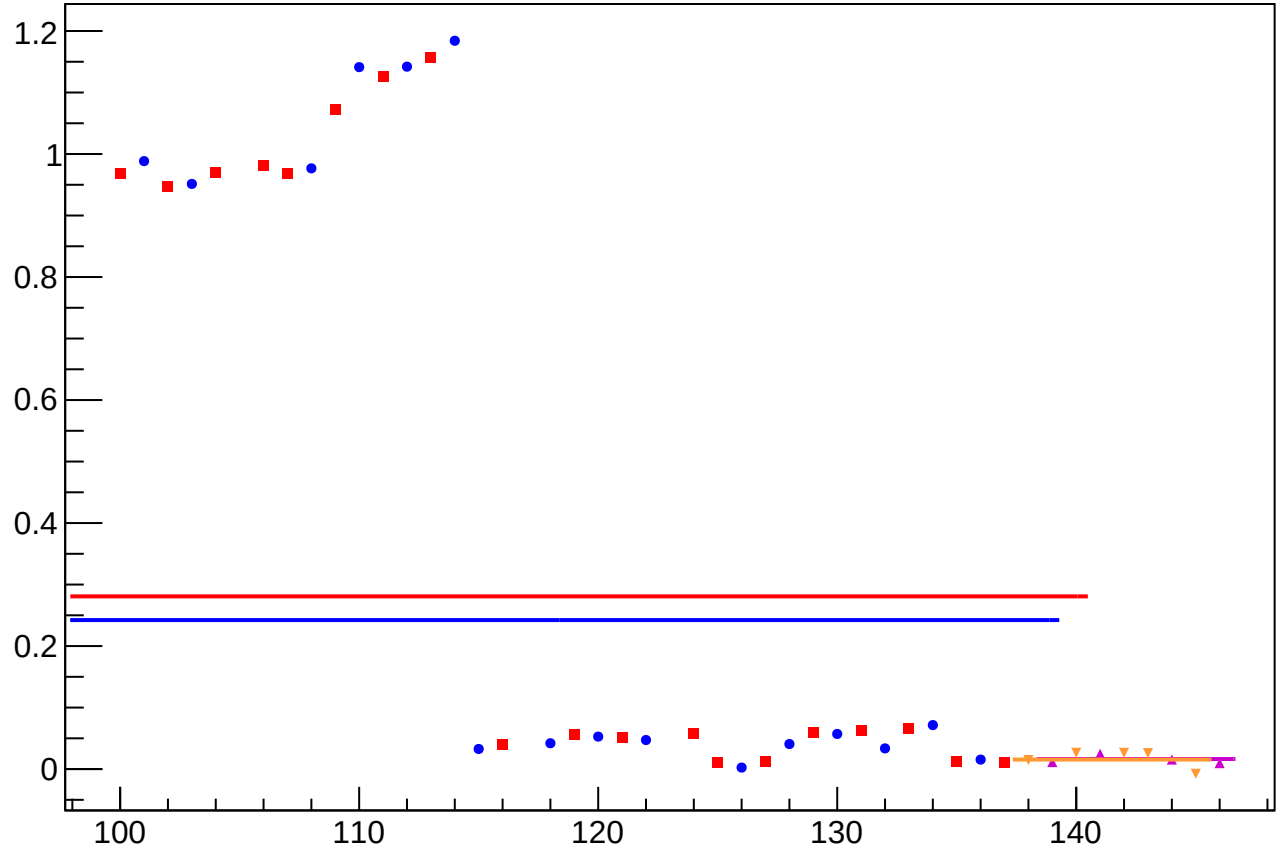
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1854484.4/19

Out: 0.019+/-0.000 χ^2/NDF:1954240.7/23

All: 0.019+/-0.000 χ^2/NDF: 3808854.7/43

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.015+/-0.000 χ^2/NDF:6772470.2/4

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.016+/-0.000 χ^2/NDF:949012.6/3

Left: 0.016+/-0.000 χ^2/NDF: 7733047.2/8

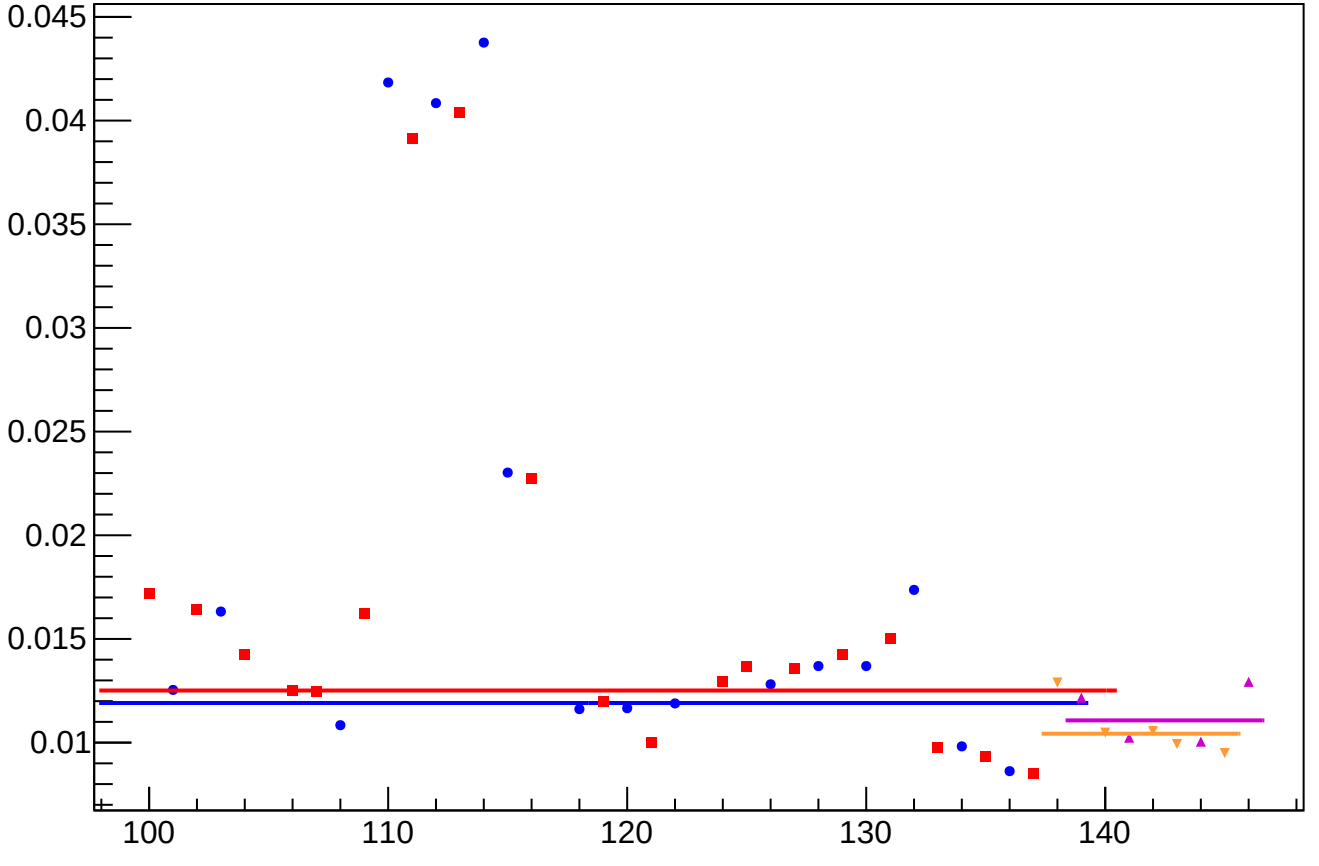
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.154+/-0.000 χ^2/NDF:7345715340.4/19

Out: 0.162+/-0.000 χ^2/NDF:8000528453.6/23

All: 0.158+/-0.000 χ^2/NDF: 15348271691.3/4

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.010+/-0.000 χ^2/NDF:73458.9/4

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:76418.8/3

Left: 0.011+/-0.000 χ^2/NDF: 161921.3/8

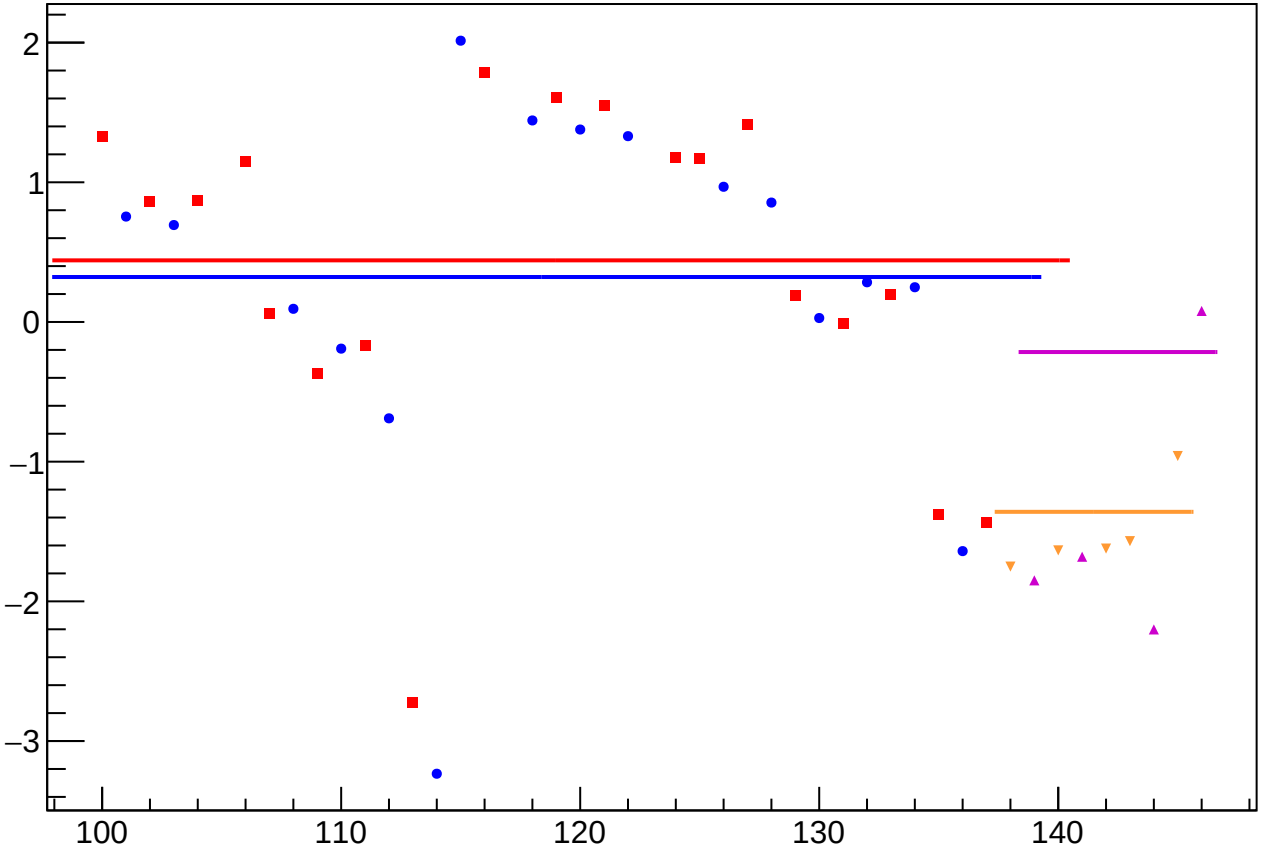
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.012+/-0.000 χ^2/NDF:1558906.3/19

Out: 0.012+/-0.000 χ^2/NDF:1618364.1/23

All: 0.012+/-0.000 χ^2/NDF: 3177272.1/43

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -1.359+/-0.000 χ^2/NDF:60988976.8/4

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: -0.215+/-0.000 χ^2/NDF:1492983056.1/3

Left: -0.407+/-0.000 χ^2/NDF: 2167688540.0/8

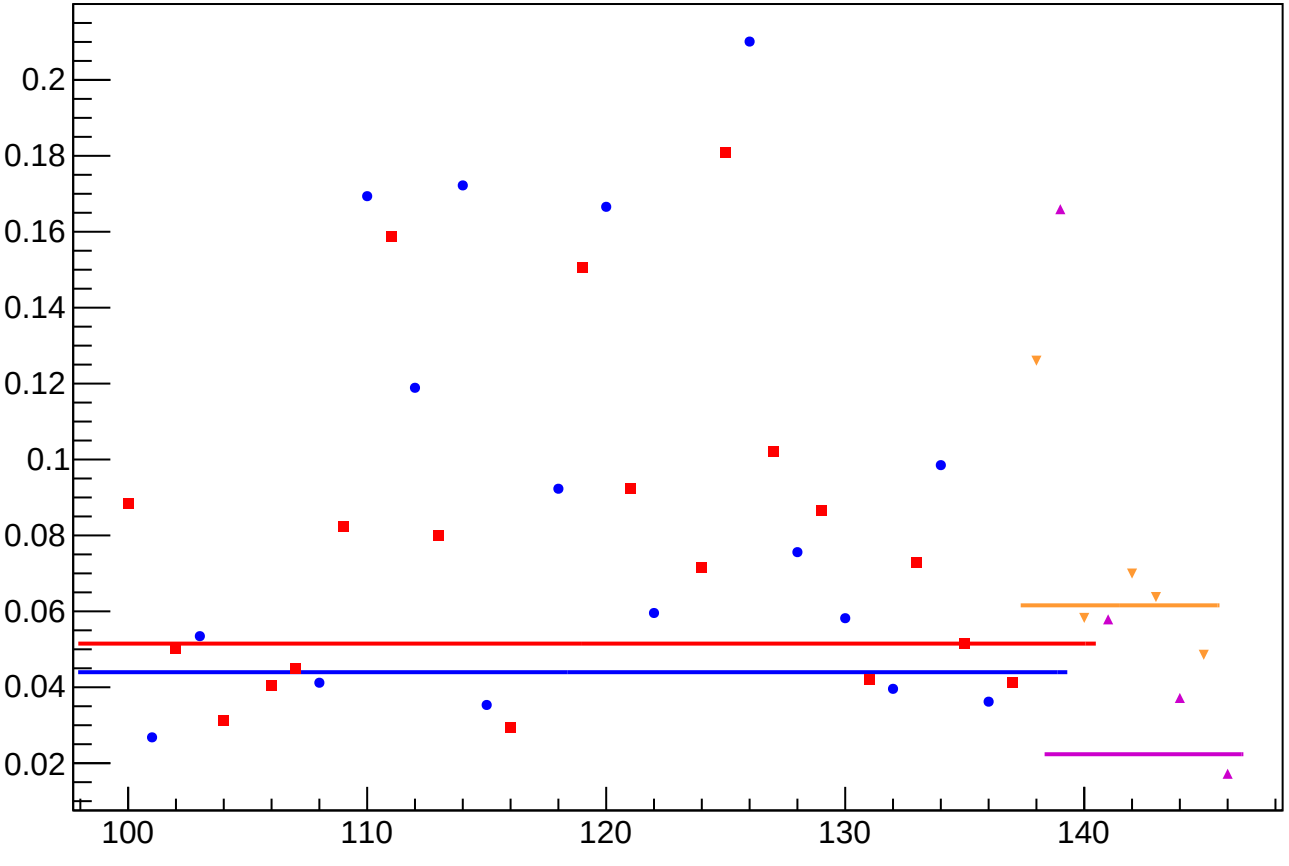
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.008+/-0.000 χ^2/NDF:3492929836.0/19

Out: -0.018+/-0.000 χ^2/NDF:3218088613.9/23

All: -0.000+/-0.000 χ^2/NDF: 6712012116.9/4

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.062+/-0.000 χ^2/NDF:430282.1/4

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.022+/-0.000 χ^2/NDF:1754106.4/3

Left: 0.029+/-0.000 χ^2/NDF: 3627529.9/8

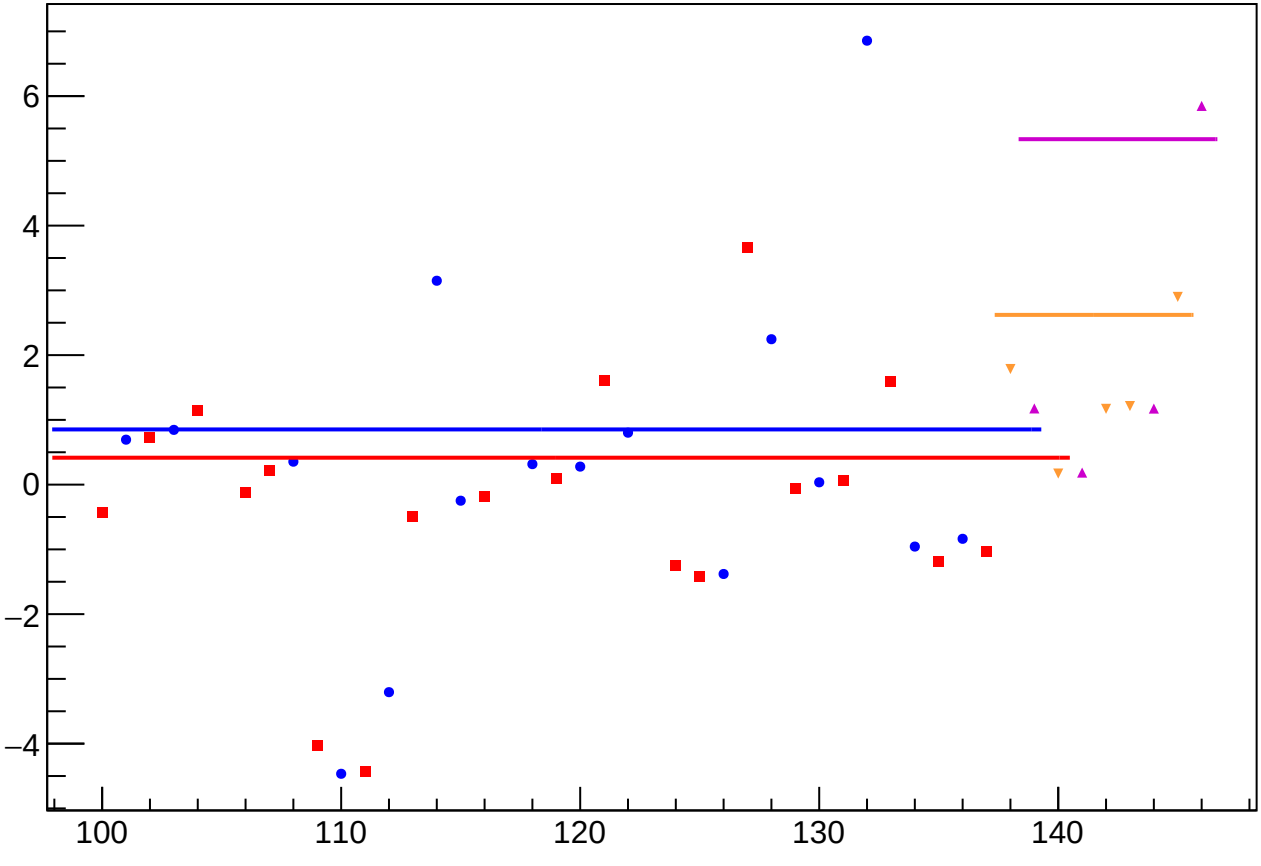
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.031+/-0.000 χ^2/NDF:5626267.0/19

Out: 0.054+/-0.000 χ^2/NDF:2883064.5/23

All: 0.039+/-0.000 χ^2/NDF: 10073168.7/43

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 2.621+/-0.000 χ^2/NDF:2050143593.7/4

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 5.335+/-0.000 χ^2/NDF:11450593253.2/3

Left: 4.129+/-0.000 χ^2/NDF: 29445567720.0/8

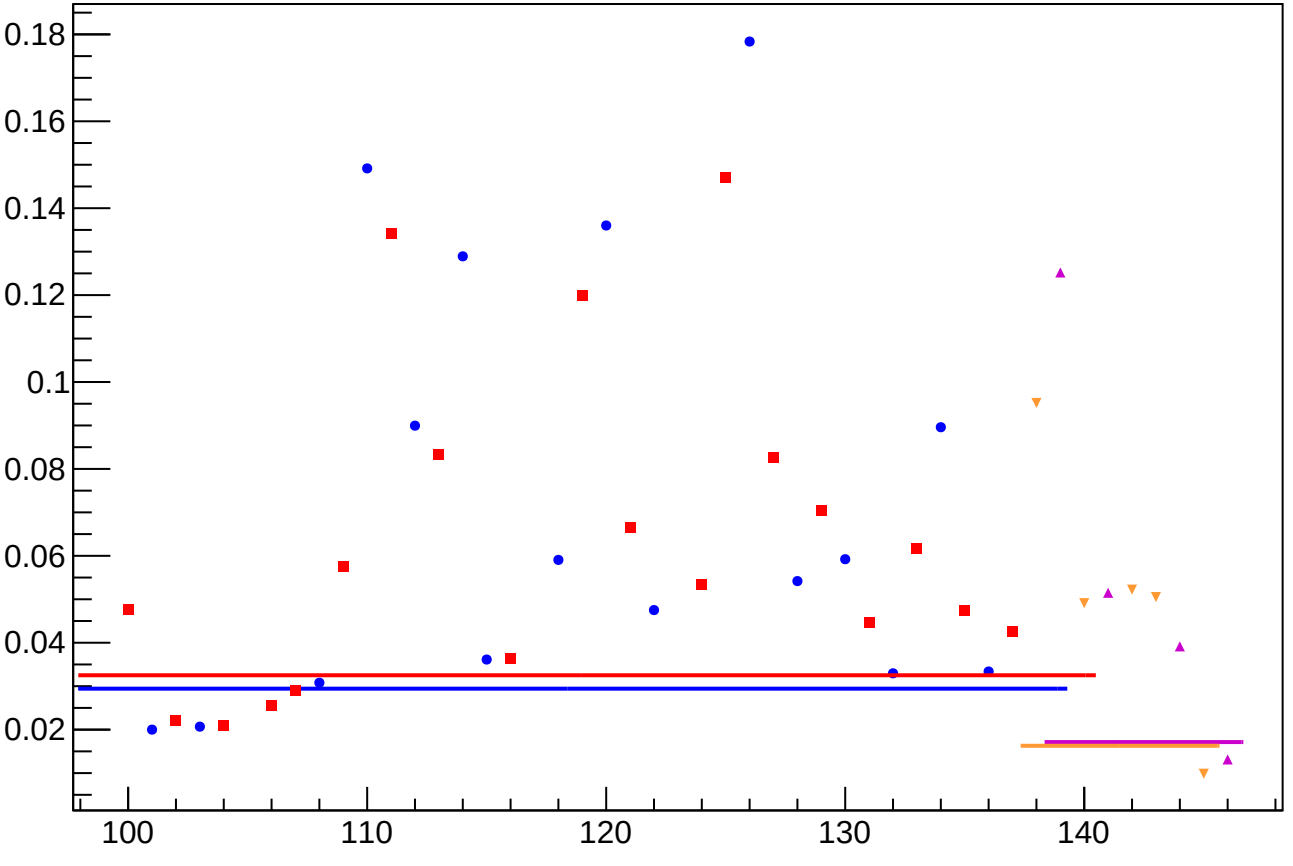
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 3.244+/-0.000 χ^2/NDF:68684502363.1/19

Out: 1.518+/-0.000 χ^2/NDF:16657568675.2/23

All: 2.449+/-0.000 χ^2/NDF: 97872959068.0/4

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2255870.9/4

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.017+/-0.000 χ^2/NDF:1988377.2/3

Left: 0.017+/-0.000 χ^2/NDF: 4247379.4/8

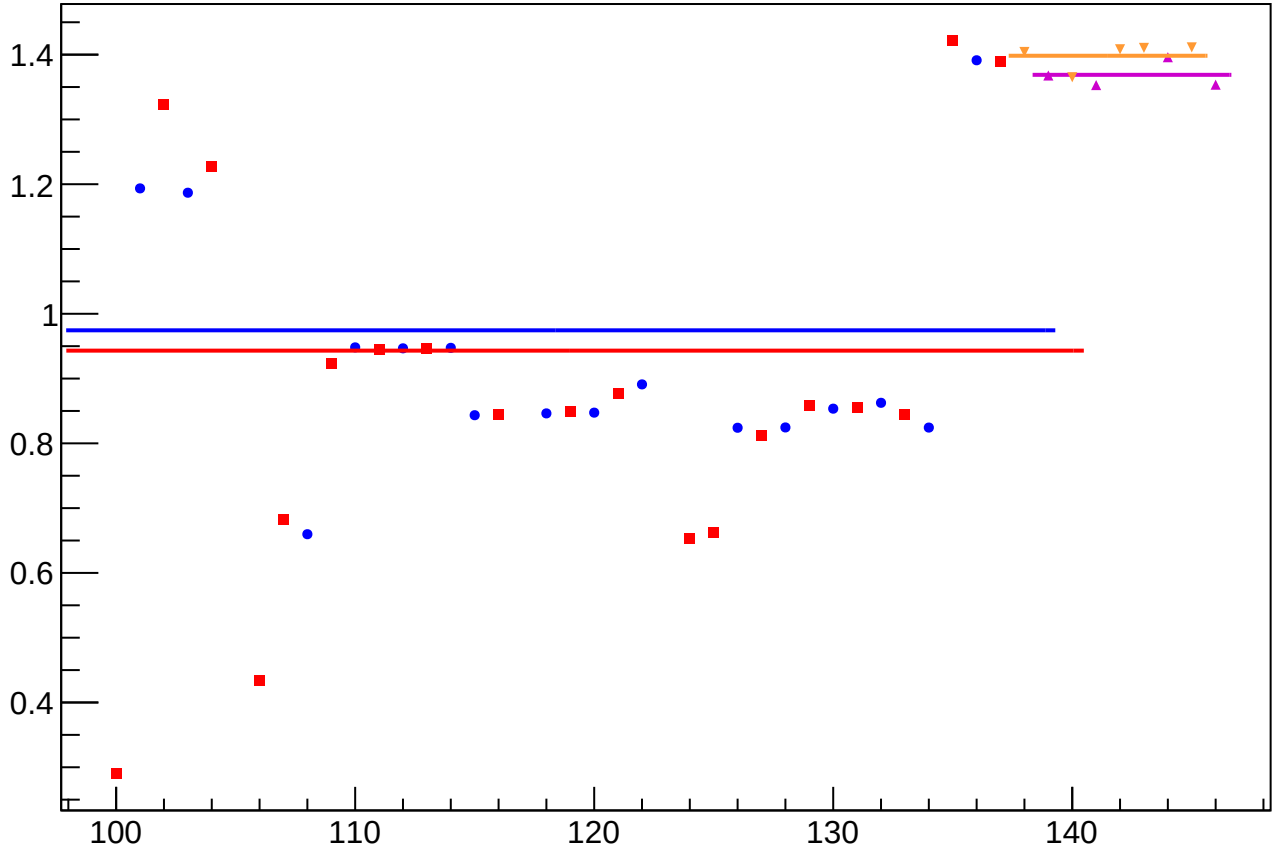
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.023+/-0.000 χ^2/NDF:5867161.7/19

Out: 0.024+/-0.000 χ^2/NDF:6598179.1/23

All: 0.024+/-0.000 χ^2/NDF: 12485149.0/43

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.398+/-0.000 χ^2/NDF:7056263.1/4

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.369+/-0.000 χ^2/NDF:7001612.5/3

Left: 1.384+/-0.000 χ^2/NDF: 22082635.2/8

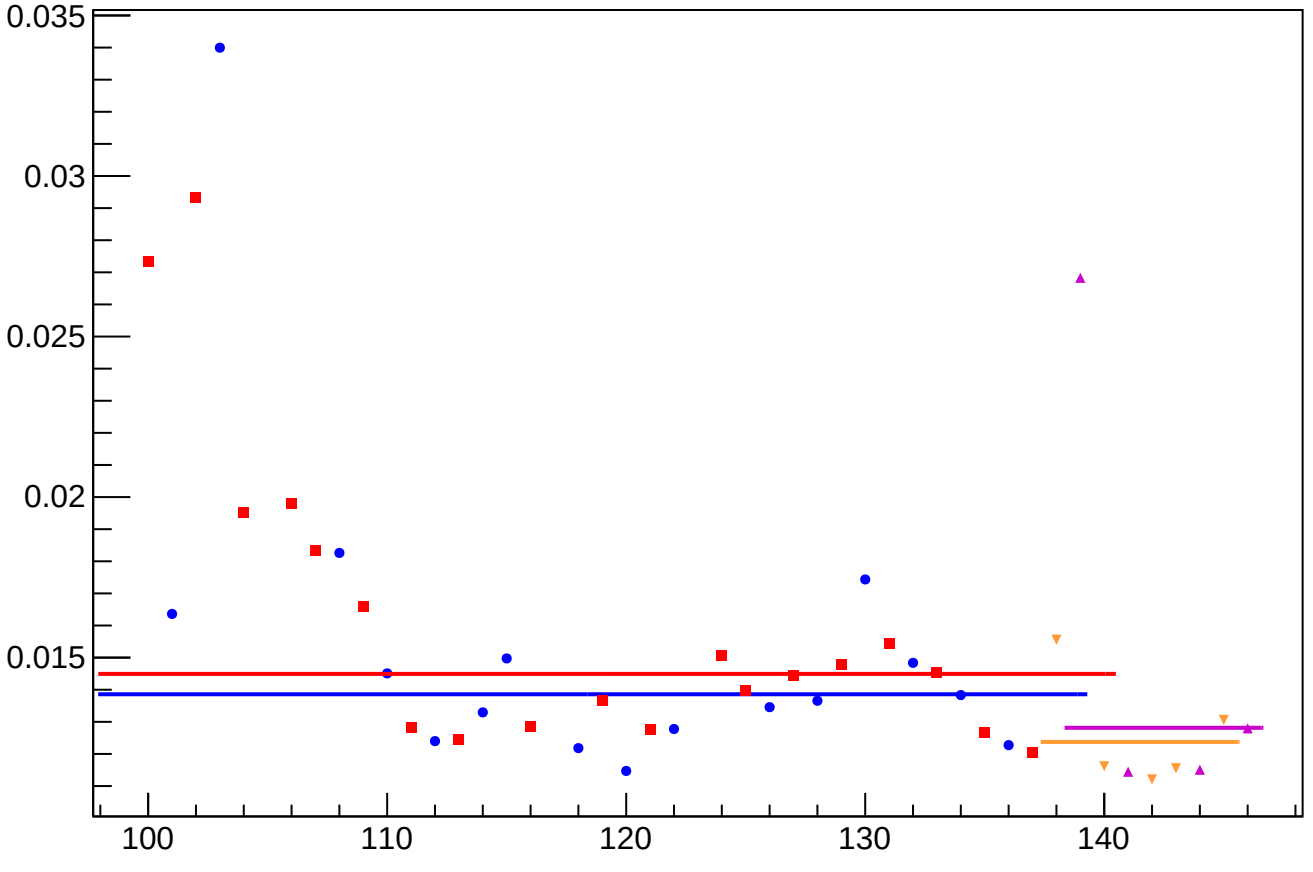
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.114+/-0.000 χ^2/NDF:3242978145.1/19

Out: 1.120+/-0.000 χ^2/NDF:4135889524.0/23

All: 1.117+/-0.000 χ^2/NDF: 7379866116.8/43

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:76993.2/4

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:483398.1/3

Left: 0.013+/-0.000 χ^2/NDF: 563974.6/8

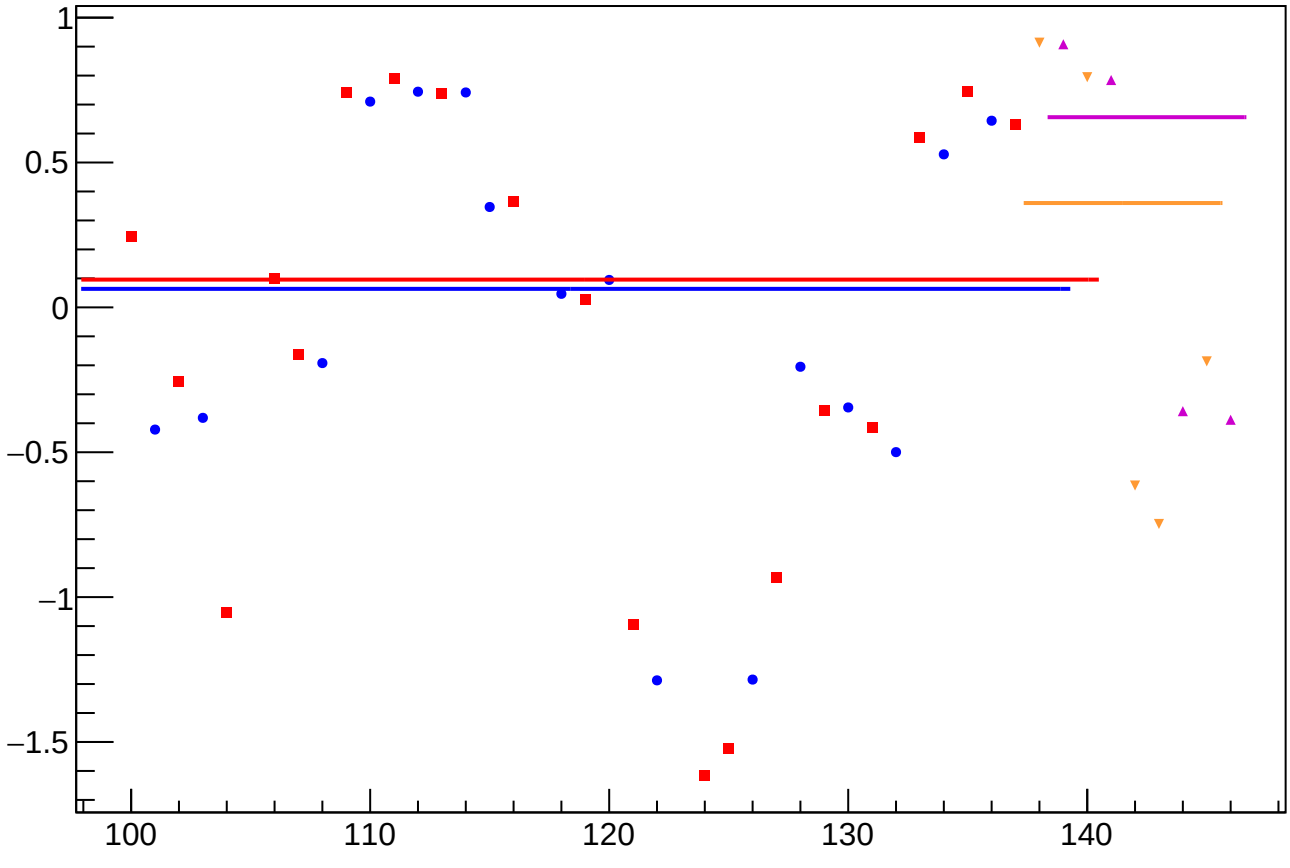
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.013+/-0.000 χ^2/NDF:1108321.9/19

Out: 0.014+/-0.000 χ^2/NDF:727856.9/23

All: 0.014+/-0.000 χ^2/NDF: 1837784.4/43

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.360+/-0.000 χ^2/NDF:17201229836.6/4

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.656+/-0.000 χ^2/NDF:9765453985.1/3

Left: 0.509+/-0.000 χ^2/NDF: 28731061835.7/8

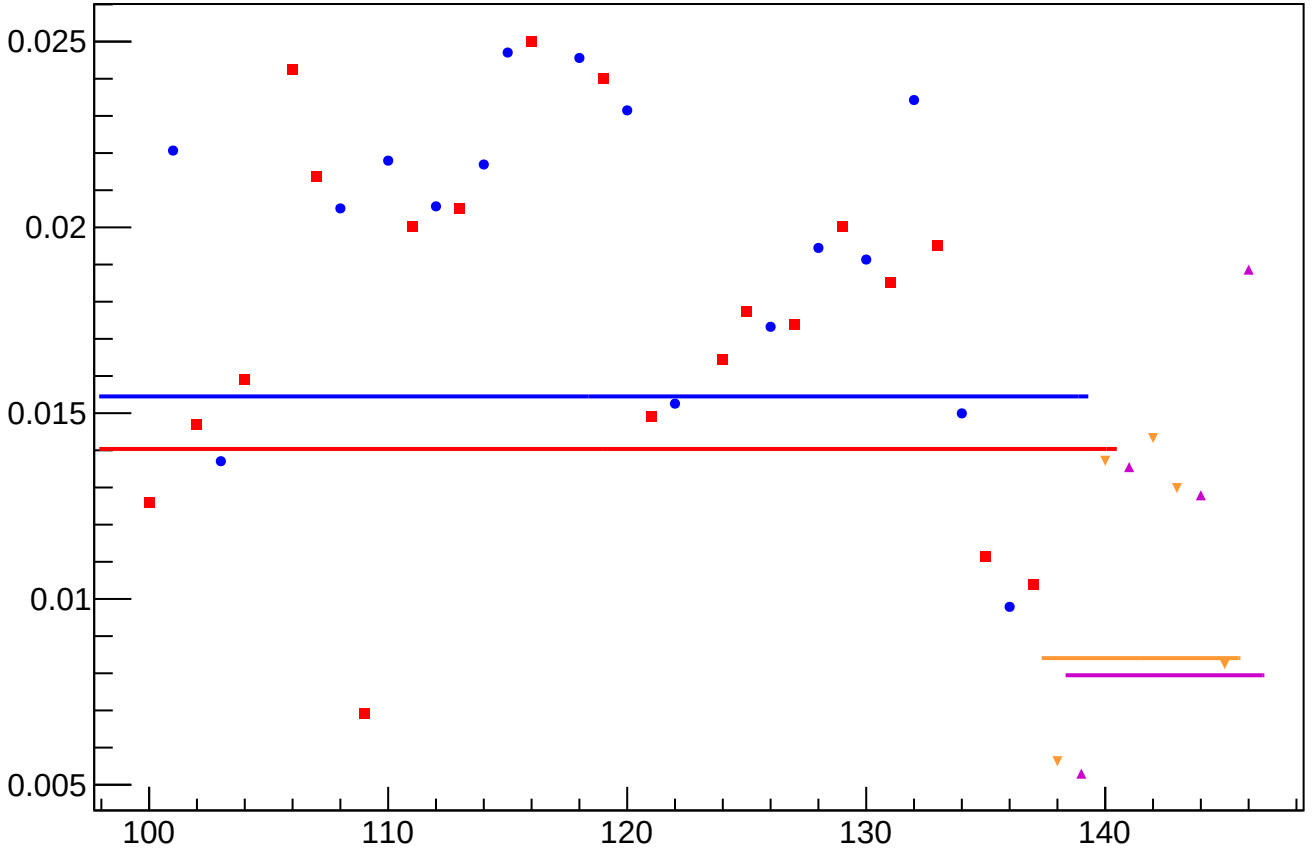
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.429+/-0.000 χ^2/NDF:26243171227.8/19

Out: 0.247+/-0.000 χ^2/NDF:36180186110.2/23

All: 0.335+/-0.000 χ^2/NDF: 63538278572.1/4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:868174.1/4

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.008+/-0.000 χ^2/NDF:1458716.3/3

Left: 0.008+/-0.000 χ^2/NDF: 2335436.0/8

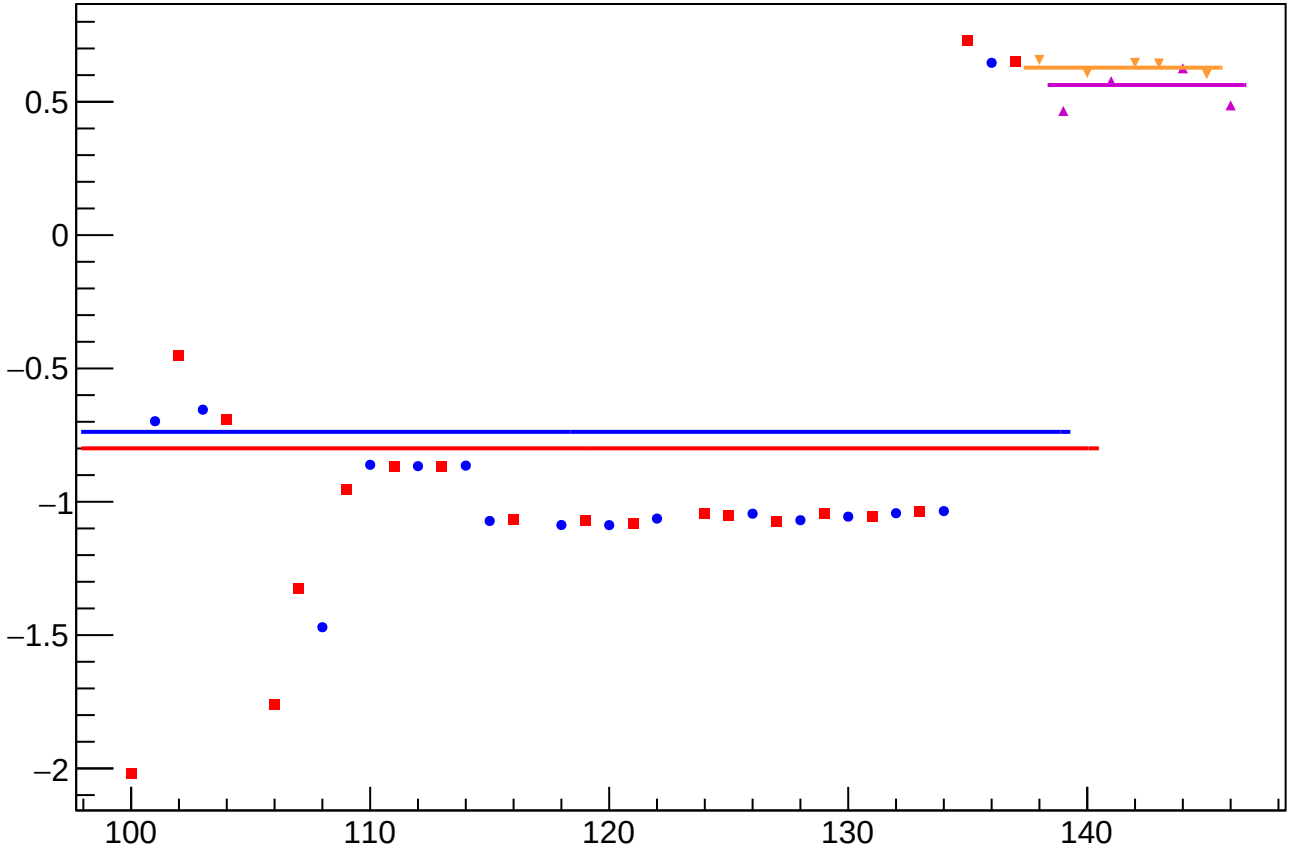
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.011+/-0.000 χ^2/NDF:4498163.8/19

Out: 0.011+/-0.000 χ^2/NDF:3638392.5/23

All: 0.011+/-0.000 χ^2/NDF: 8136575.7/43

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.628+/-0.000 χ^2/NDF:1346325.9/4

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.563+/-0.000 χ^2/NDF:9542490.4/3

Left: 0.597+/-0.000 χ^2/NDF: 16864004.4/8

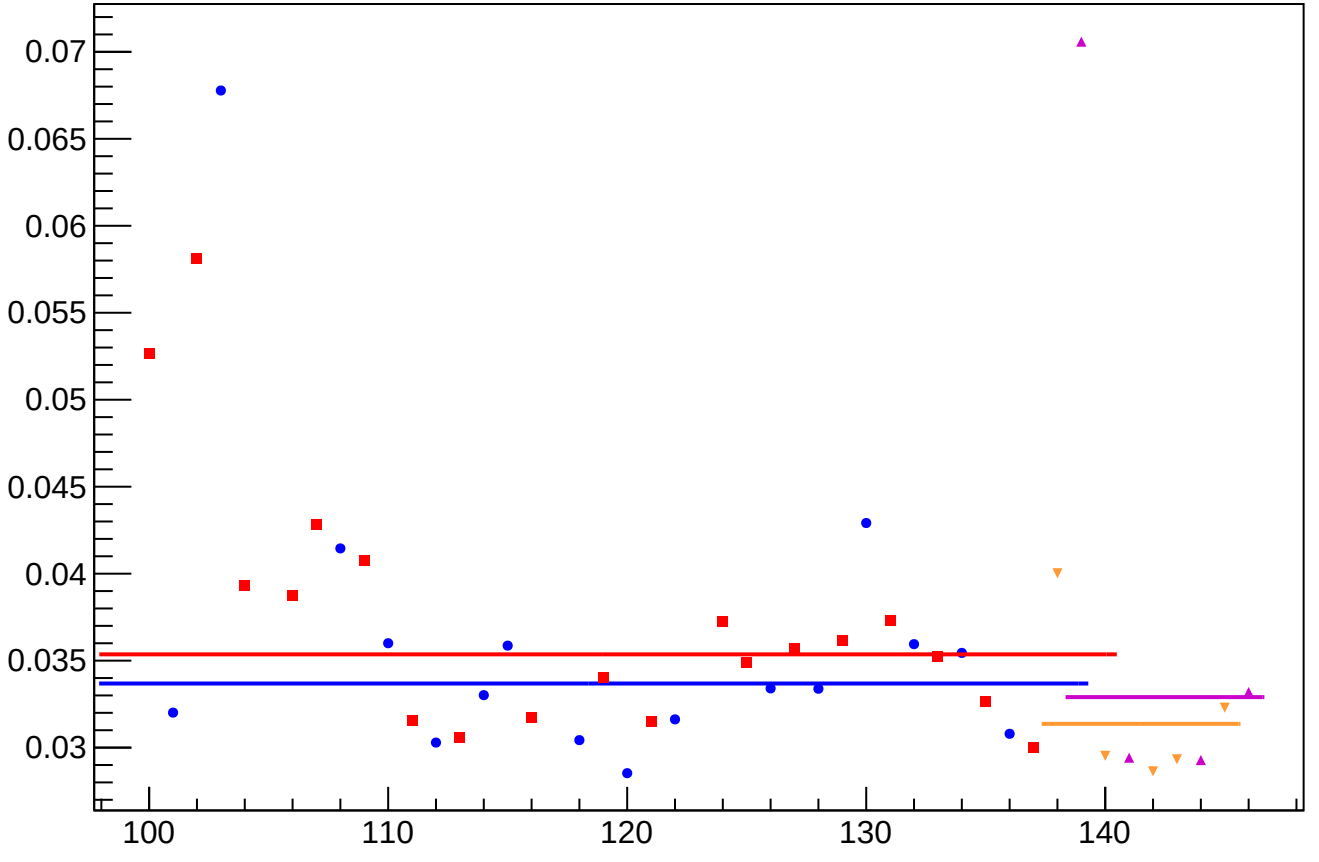
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.317+/-0.000 χ^2/NDF:5124558115.2/19

Out: -0.276+/-0.000 χ^2/NDF:5752008199.8/23

All: -0.296+/-0.000 χ^2/NDF: 10883377899.0/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.031+/-0.000 χ^2/NDF:79007.4/4

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.033+/-0.000 χ^2/NDF:505431.8/3

Left: 0.032+/-0.000 χ^2/NDF: 591101.2/8

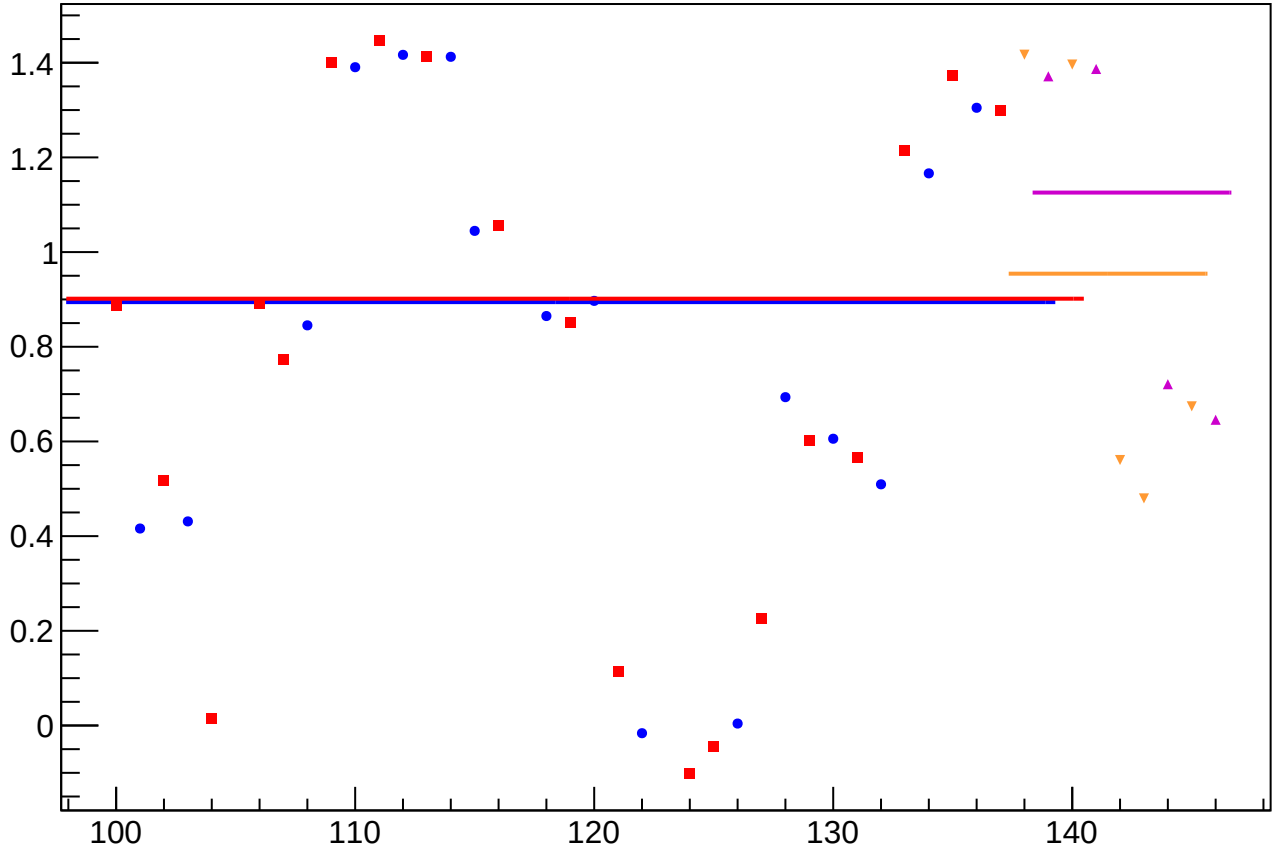
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.033+/-0.000 χ^2/NDF:927856.2/19

Out: 0.034+/-0.000 χ^2/NDF:435954.5/23

All: 0.034+/-0.000 χ^2/NDF: 1365574.7/43

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 0.954+/-0.000 χ^2/NDF:9247365127.5/4

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.126+/-0.000 χ^2/NDF:4937902470.7/3

Left: 1.033+/-0.000 χ^2/NDF: 14916058512.5/8

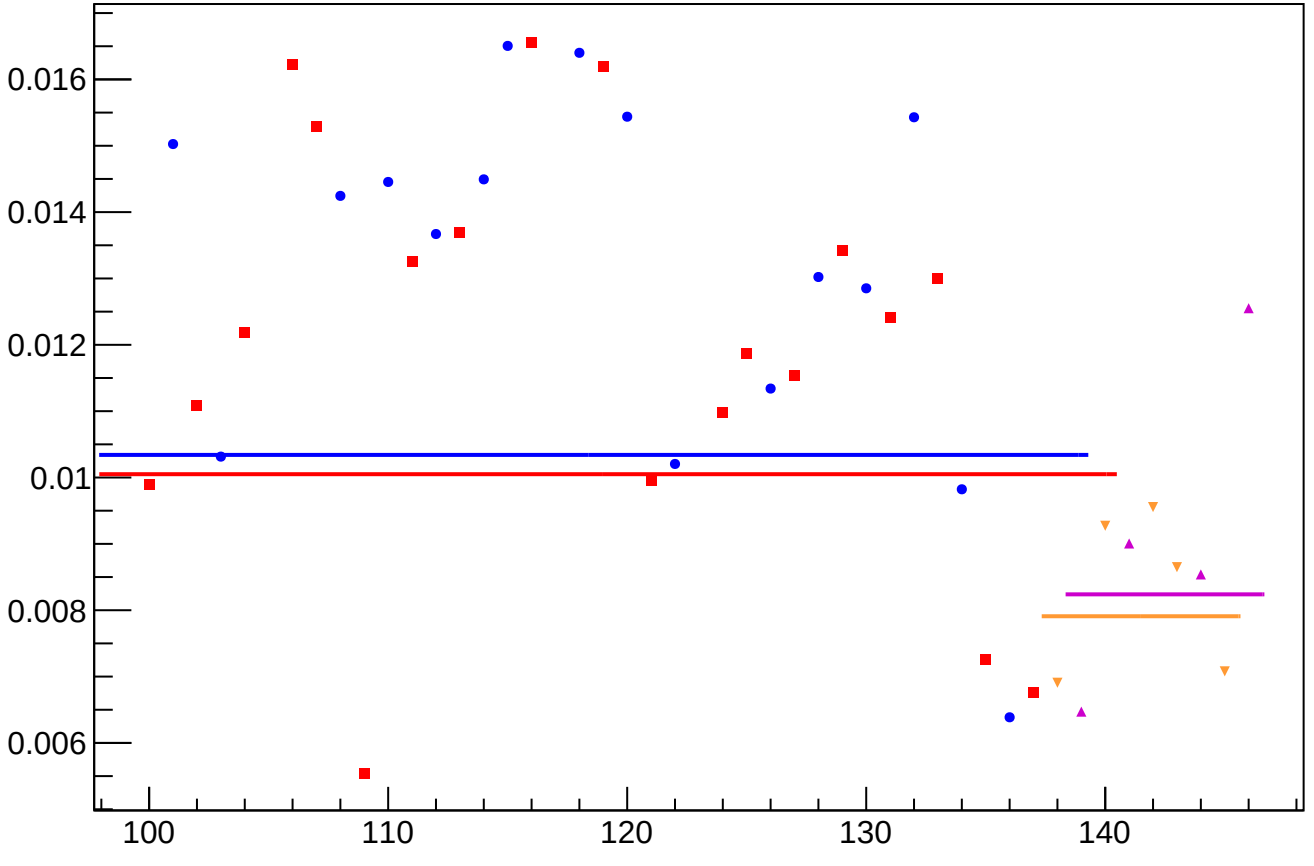
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 0.999+/-0.000 χ^2/NDF:19035056769.3/19

Out: 0.927+/-0.000 χ^2/NDF:27220325488.4/23

All: 0.960+/-0.000 χ^2/NDF: 46535352243.1/4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:122144.5/4

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.008+/-0.000 χ^2/NDF:319031.8/3

Left: 0.008+/-0.000 χ^2/NDF: 446604.6/8

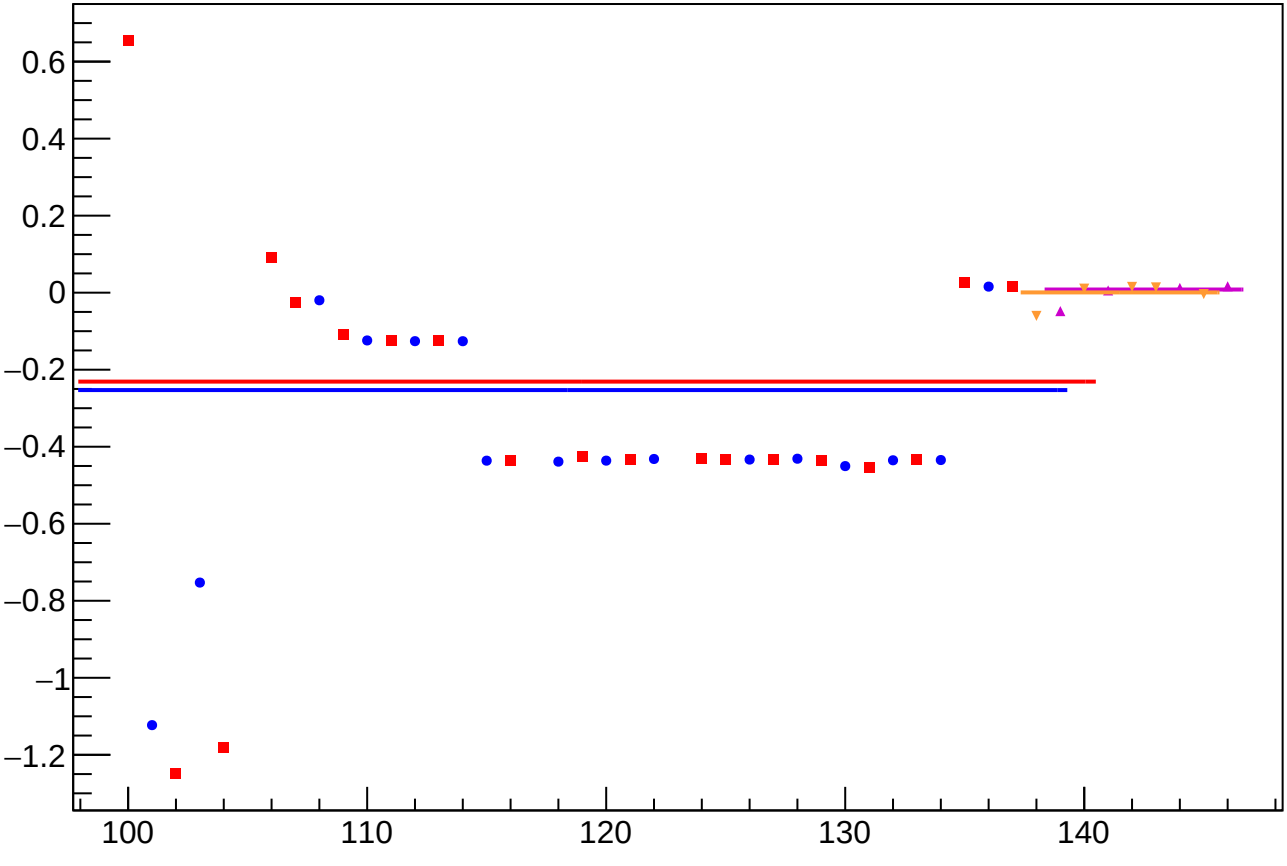
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:1891773.1/19

Out: 0.009+/-0.000 χ^2/NDF:1721397.0/23

All: 0.009+/-0.000 χ^2/NDF: 3627069.3/43

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.001+/-0.000 χ^2/NDF:16923519.6/4

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.008+/-0.000 χ^2/NDF:4291215.4/3

Left: 0.004+/-0.000 χ^2/NDF: 22027165.6/8

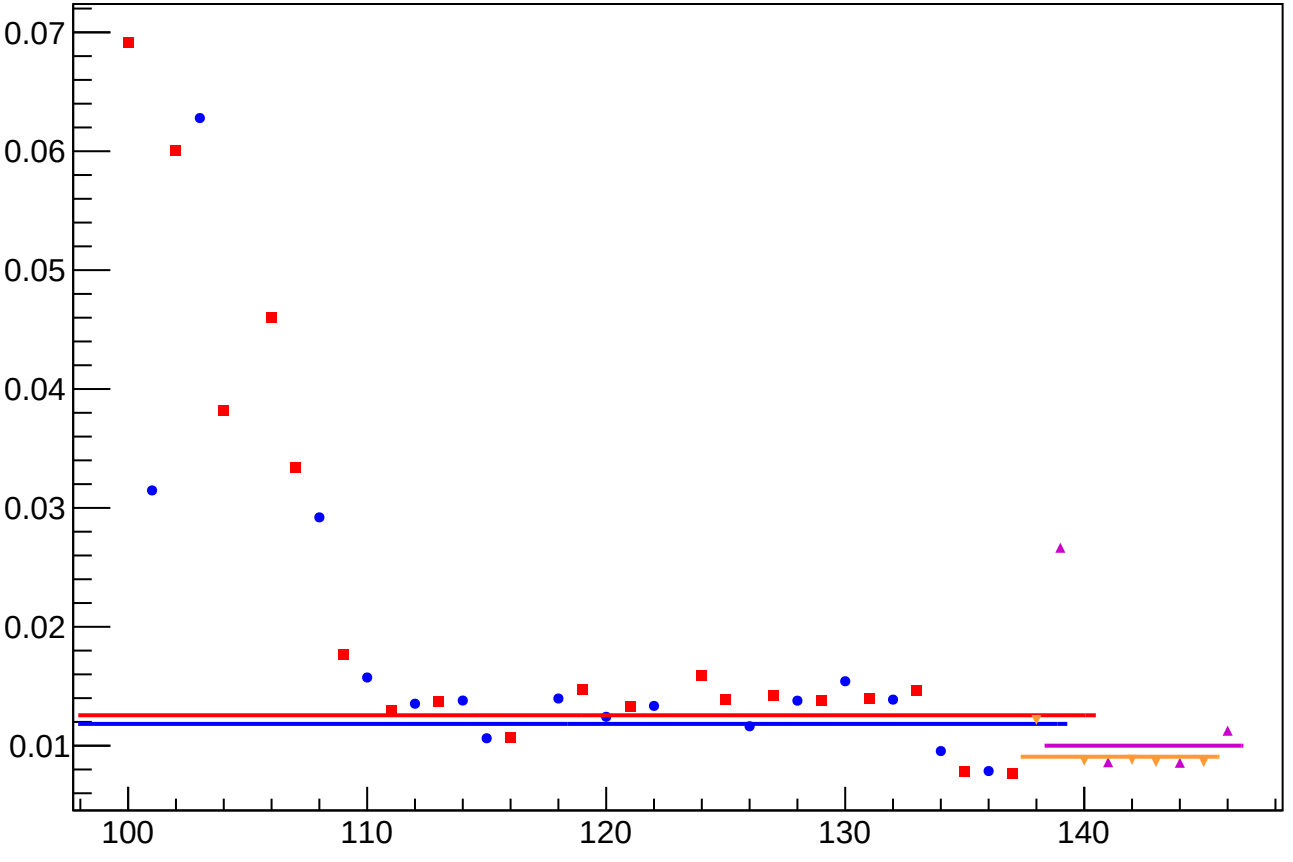
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.144+/-0.000 χ^2/NDF:3042084296.6/19

Out: -0.113+/-0.000 χ^2/NDF:2690451254.0/23

All: -0.128+/-0.000 χ^2/NDF: 5761517987.2/4

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:78968.7/4

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:742298.3/3

Left: 0.009+/-0.000 χ^2/NDF: 845980.2/8

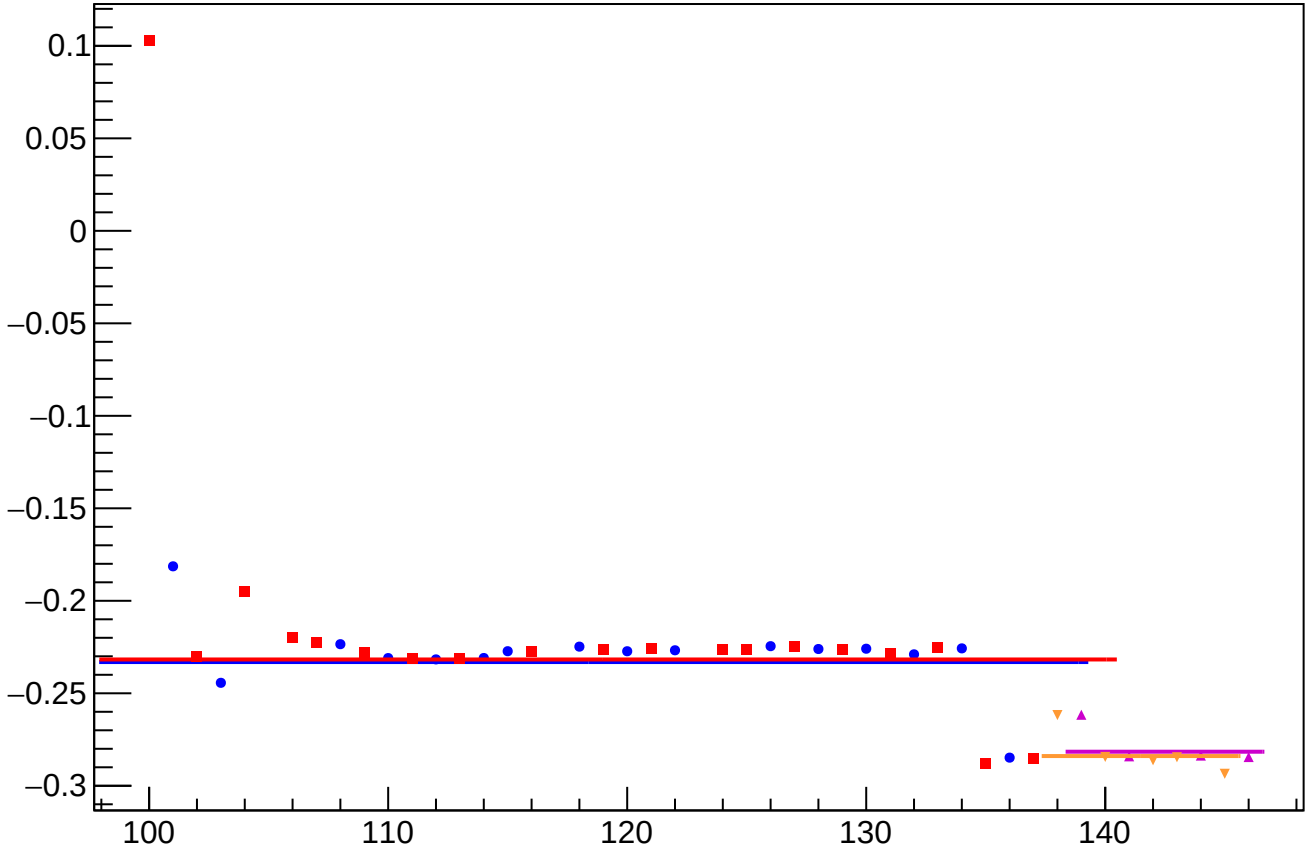
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2784600.6/19

Out: 0.011+/-0.000 χ^2/NDF:2688329.1/23

All: 0.011+/-0.000 χ^2/NDF: 5477789.8/43

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:14389581.1/4

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:5936870.1/3

Left: -0.283+/-0.000 χ^2/NDF: 20715617.4/8

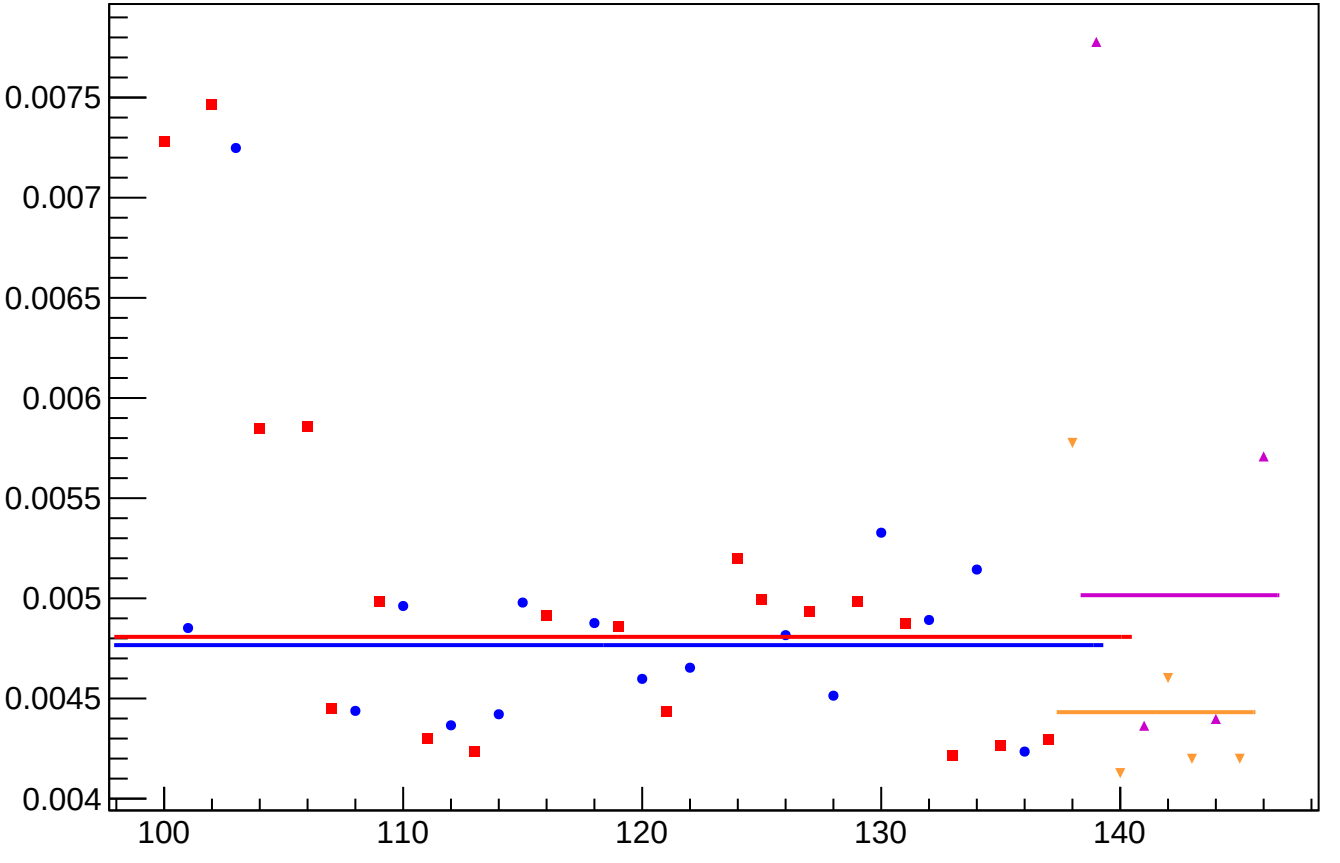
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.248+/-0.000 χ^2/NDF:406200517.5/19

Out: -0.251+/-0.000 χ^2/NDF:589620762.9/23

All: -0.249+/-0.000 χ^2/NDF: 997728203.5/43

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.004+/-0.000 χ^2/NDF:95749.4/4

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:294000.8/3

Left: 0.005+/-0.000 χ^2/NDF: 437879.4/8

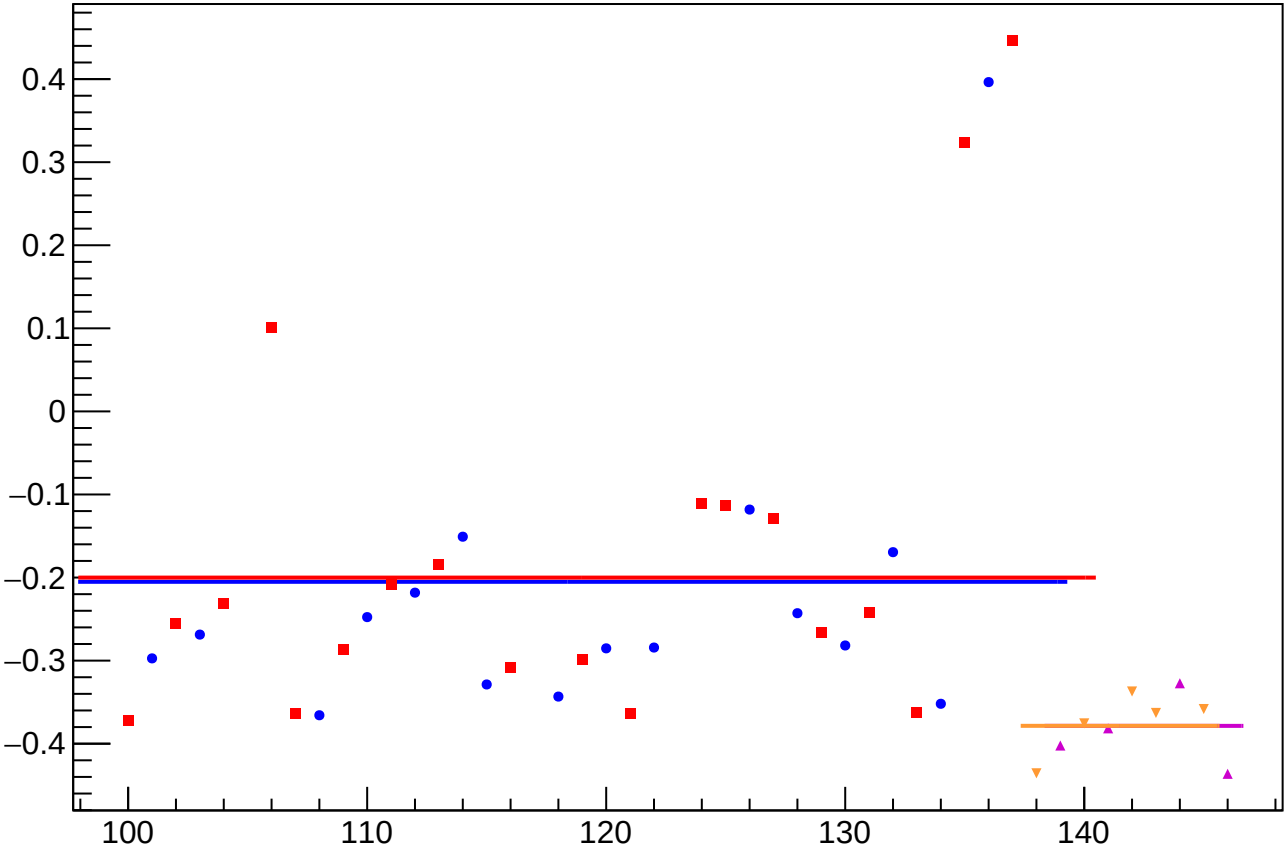
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:496396.6/19

Out: 0.005+/-0.000 χ^2/NDF:419354.5/23

All: 0.005+/-0.000 χ^2/NDF: 928308.6/43

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.378+/-0.000 χ^2/NDF:143271758.4/4

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.379+/-0.000 χ^2/NDF:158086680.0/3

Left: -0.379+/-0.000 χ^2/NDF: 301358587.7/8

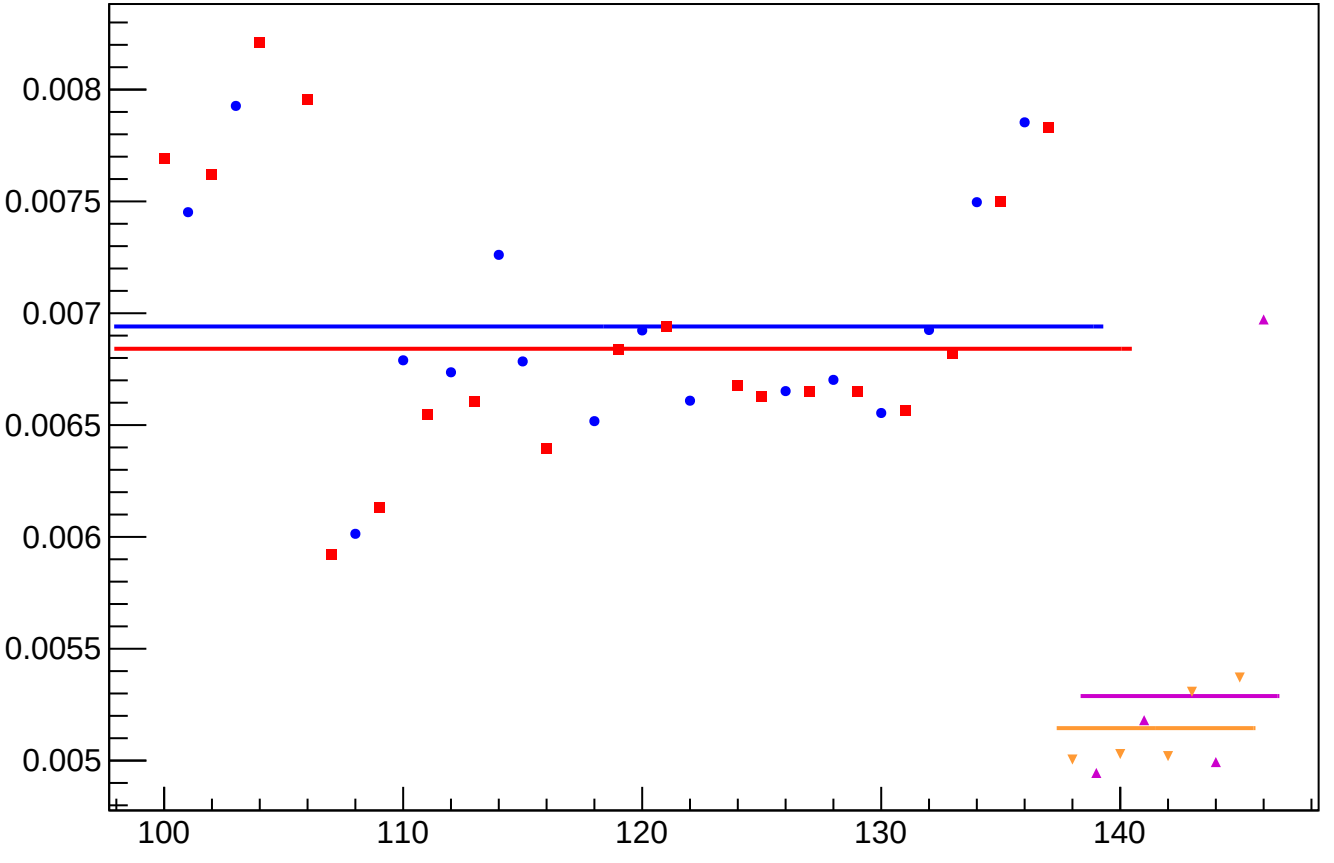
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.281+/-0.000 χ^2/NDF:8275523534.1/19

Out: -0.282+/-0.000 χ^2/NDF:7648770282.1/23

All: -0.282+/-0.000 χ^2/NDF: 15924379595.0/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:6542.3/4

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.005+/-0.000 χ^2/NDF:98872.6/3

Left: 0.005+/-0.000 χ^2/NDF: 107927.1/8

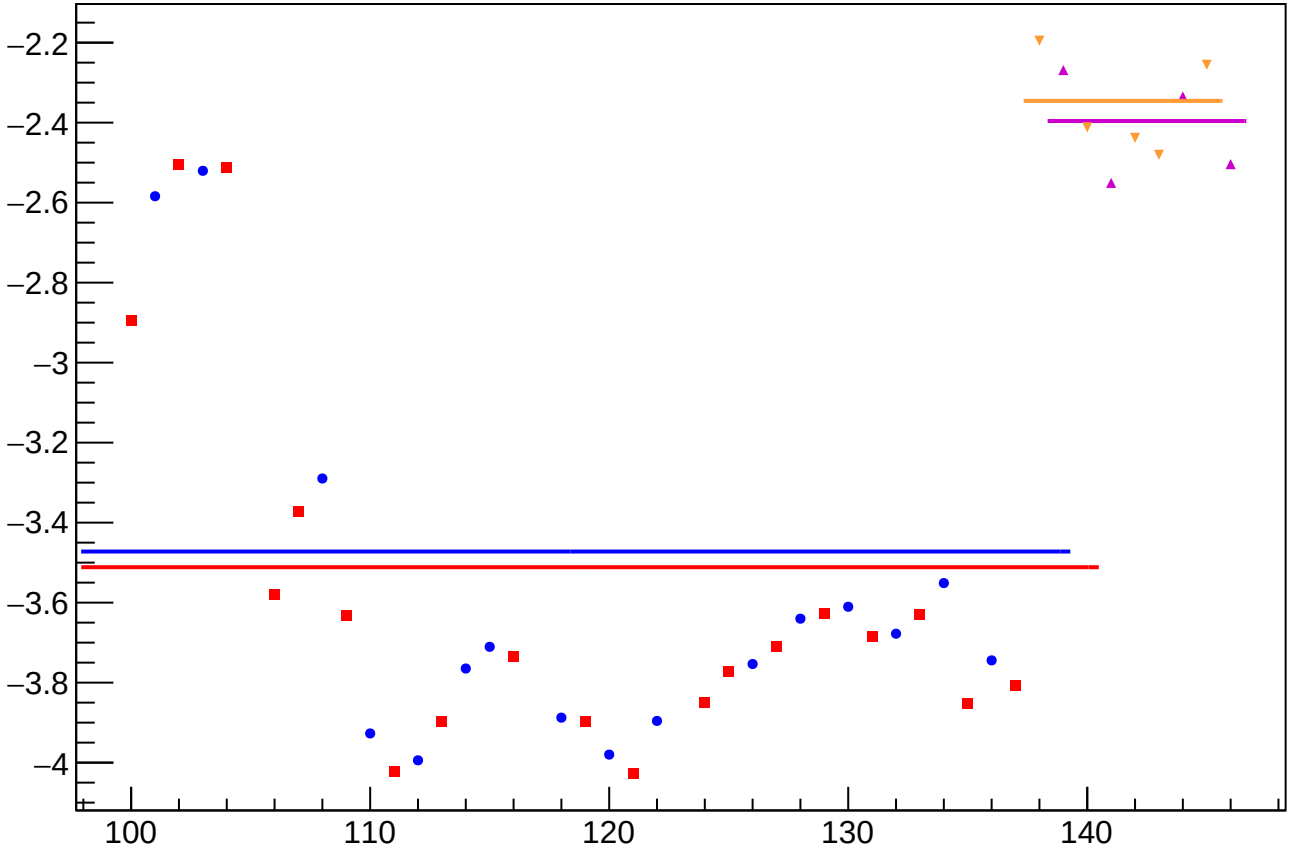
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:534113.1/19

Out: 0.006+/-0.000 χ^2/NDF:513953.4/23

All: 0.006+/-0.000 χ^2/NDF: 1054491.6/43

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.346+/-0.000 χ^2/NDF:433043116.4/4

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.396+/-0.000 χ^2/NDF:390892837.4/3

Left: -2.369+/-0.000 χ^2/NDF: 861608645.1/8

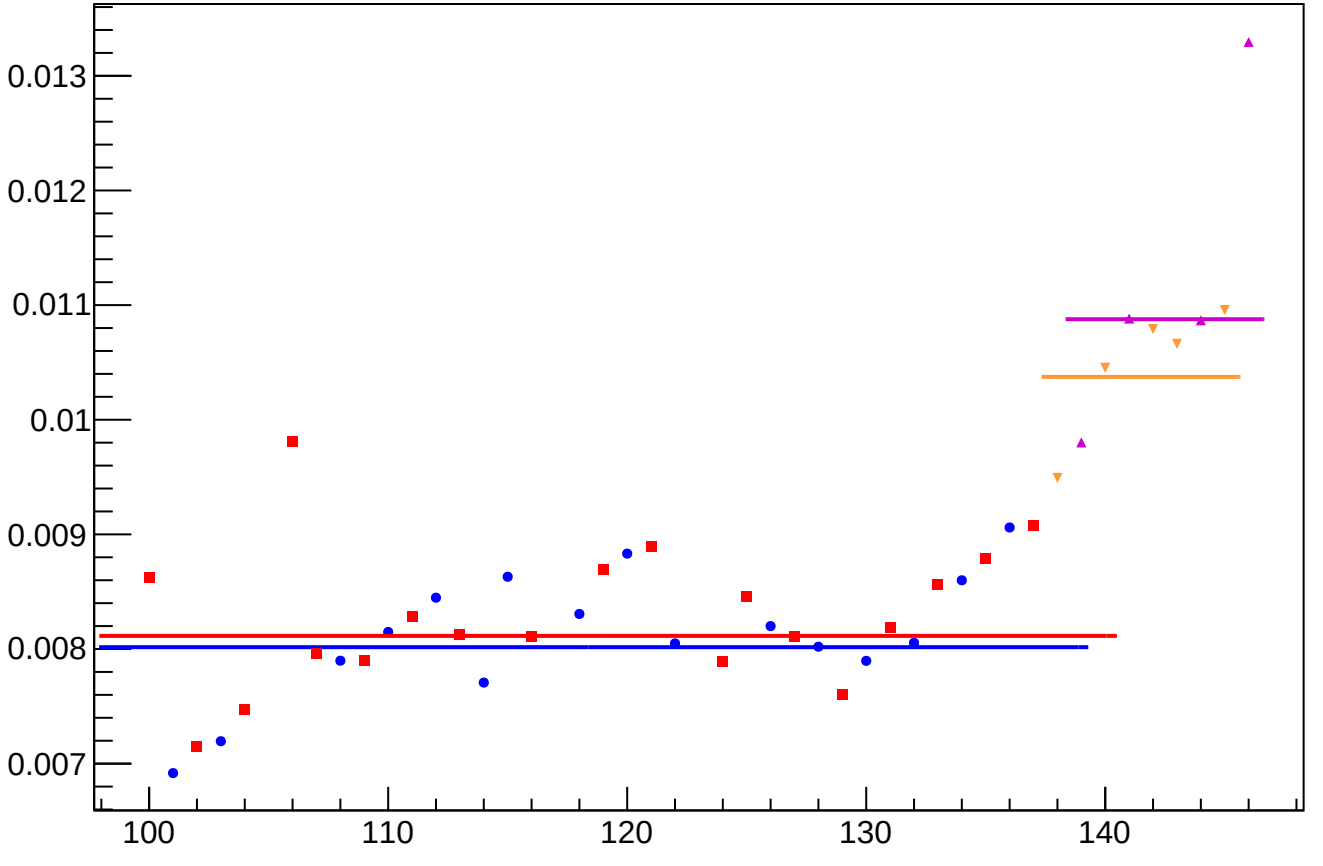
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.256+/-0.000 χ^2/NDF:55266930278.2/19

Out: -3.241+/-0.000 χ^2/NDF:64220288924.9/23

All: -3.248+/-0.000 χ^2/NDF: 119503342200.2

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:19680.8/4

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.011+/-0.000 χ^2/NDF:65579.1/3

Left: 0.011+/-0.000 χ^2/NDF: 92781.2/8

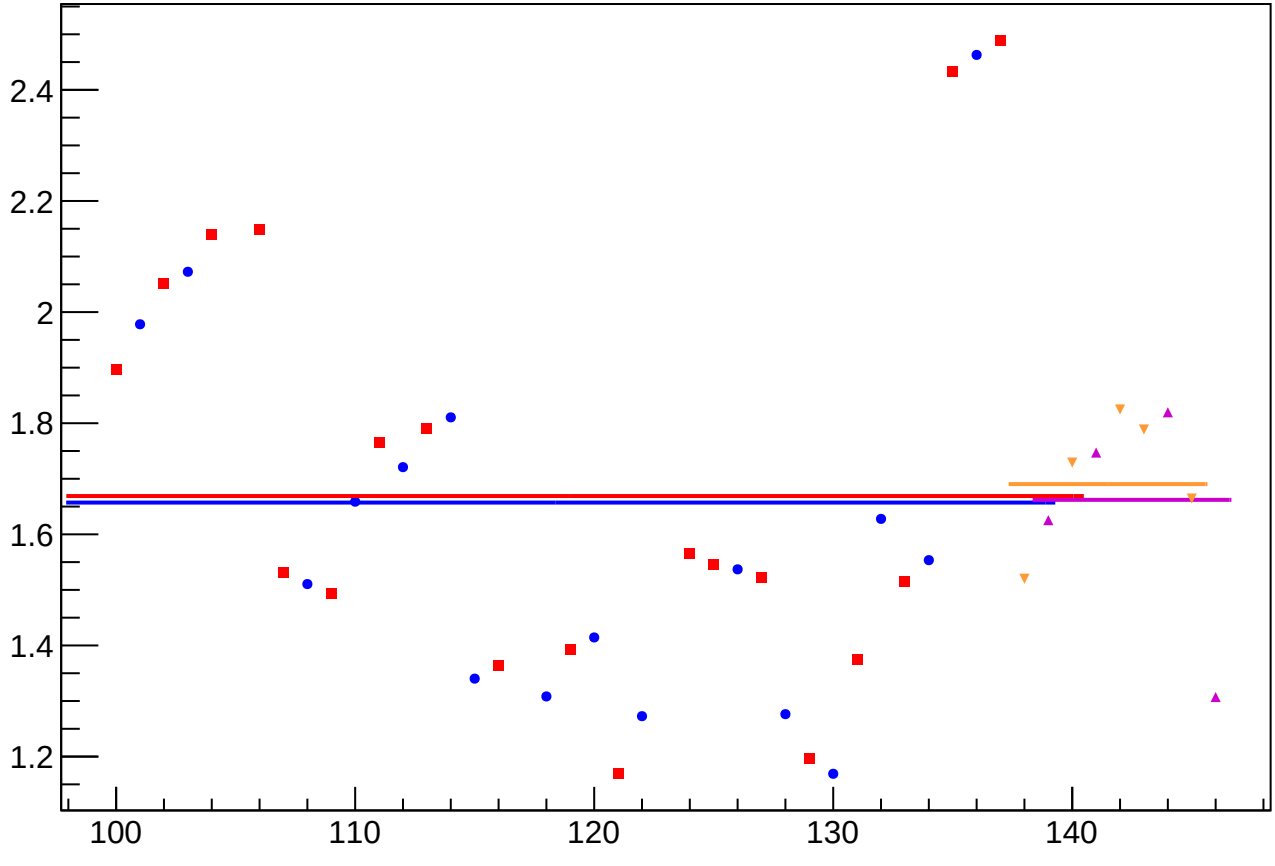
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.009+/-0.000 χ^2/NDF:509086.4/19

Out: 0.009+/-0.000 χ^2/NDF:346682.4/23

All: 0.009+/-0.000 χ^2/NDF: 856094.8/43

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.690+/-0.000 χ^2/NDF:308314040.5/4

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.662+/-0.000 χ^2/NDF:701040727.8/3

Left: 1.677+/-0.000 χ^2/NDF: 1019669090.5/8

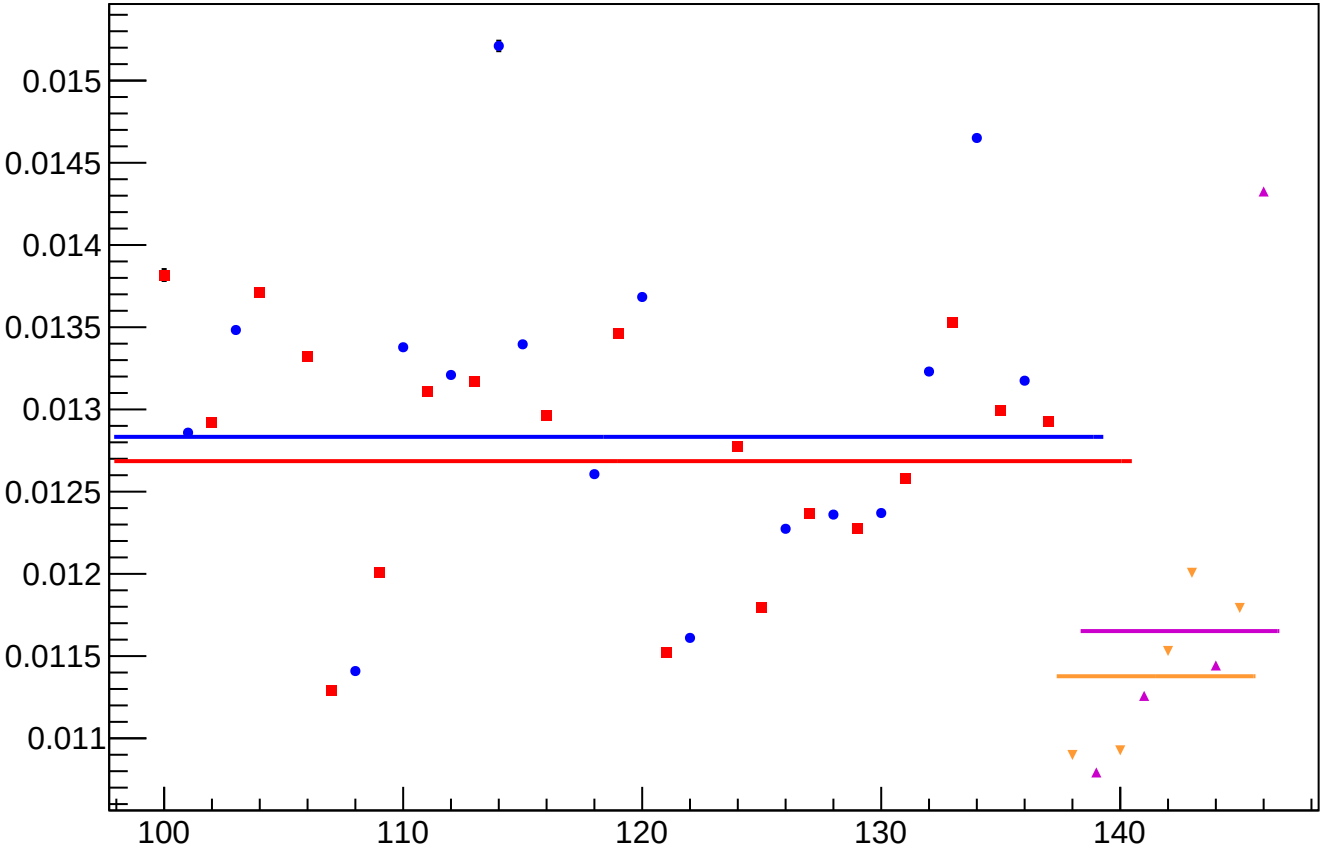
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.659+/-0.000 χ^2/NDF:7367566312.2/19

Out: 1.677+/-0.000 χ^2/NDF:6673724750.7/23

All: 1.668+/-0.000 χ^2/NDF: 14052658514.4/4

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:11983.3/4

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:67643.1/3

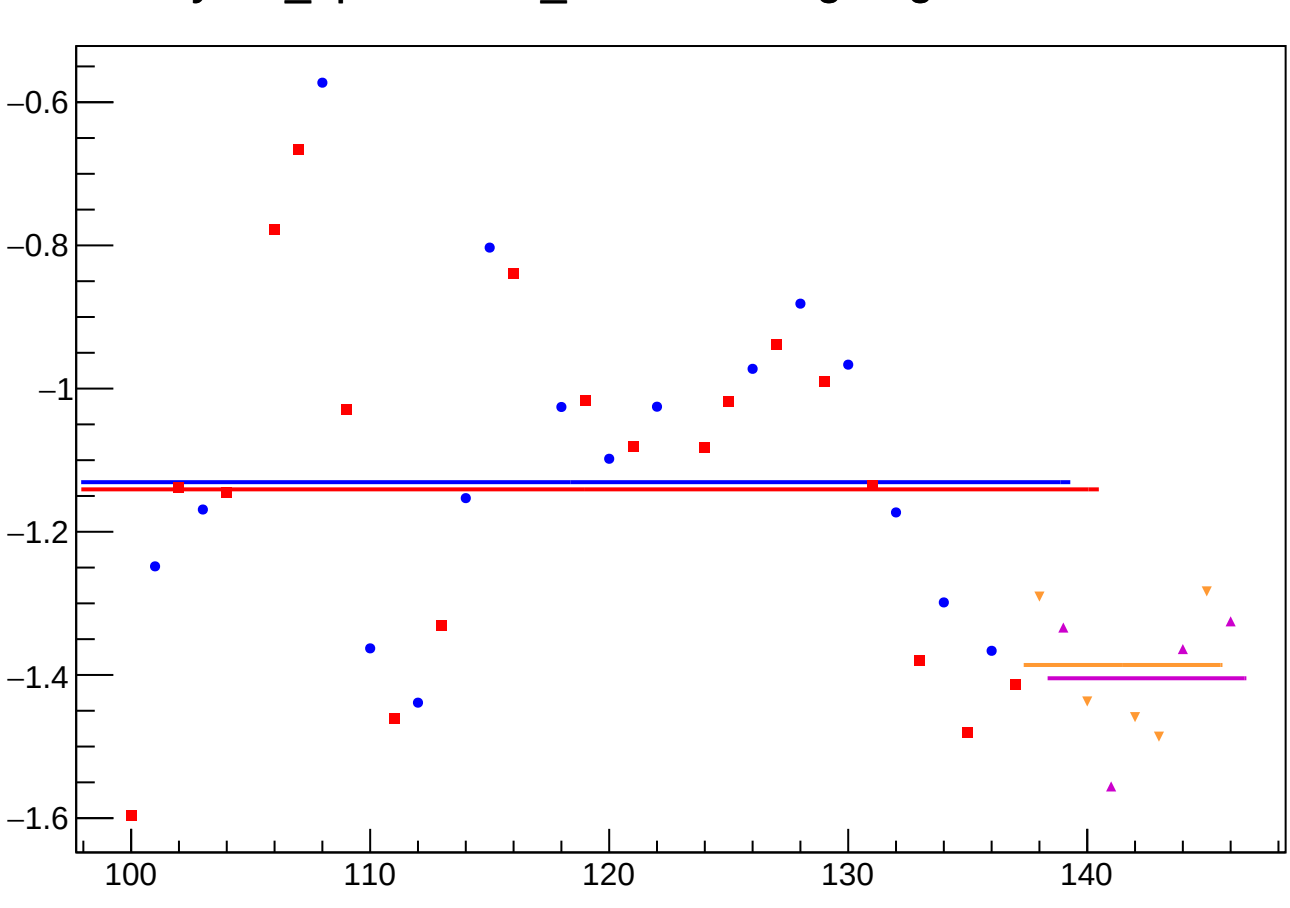
Left: 0.012+/-0.000 χ^2/NDF: 81565.5/8

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:163325.1/19

Out: 0.012+/-0.000 χ^2/NDF:113283.6/23

All: 0.012+/-0.000 χ^2/NDF: 279768.9/43



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.386+/-0.000 χ^2/NDF:359926659.2/4

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.405+/-0.000 χ^2/NDF:373636086.0/3

Left: -1.394+/-0.000 χ^2/NDF: 740994022.8/8

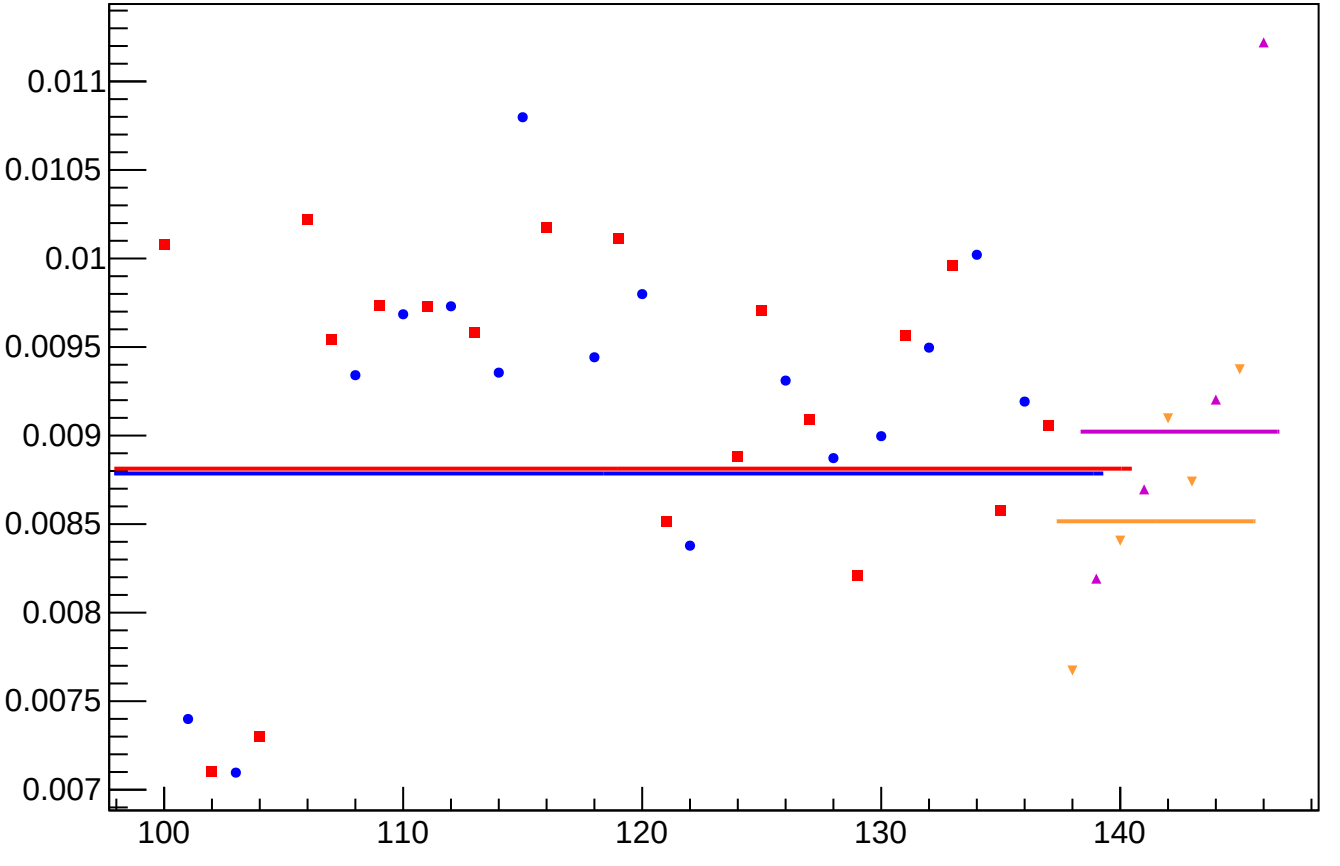
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.215+/-0.000 χ^2/NDF:6207796995.2/19

Out: -1.226+/-0.000 χ^2/NDF:5775962059.4/23

All: -1.221+/-0.000 χ^2/NDF: 11992291509.5/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:34279.4/4

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:73298.0/3

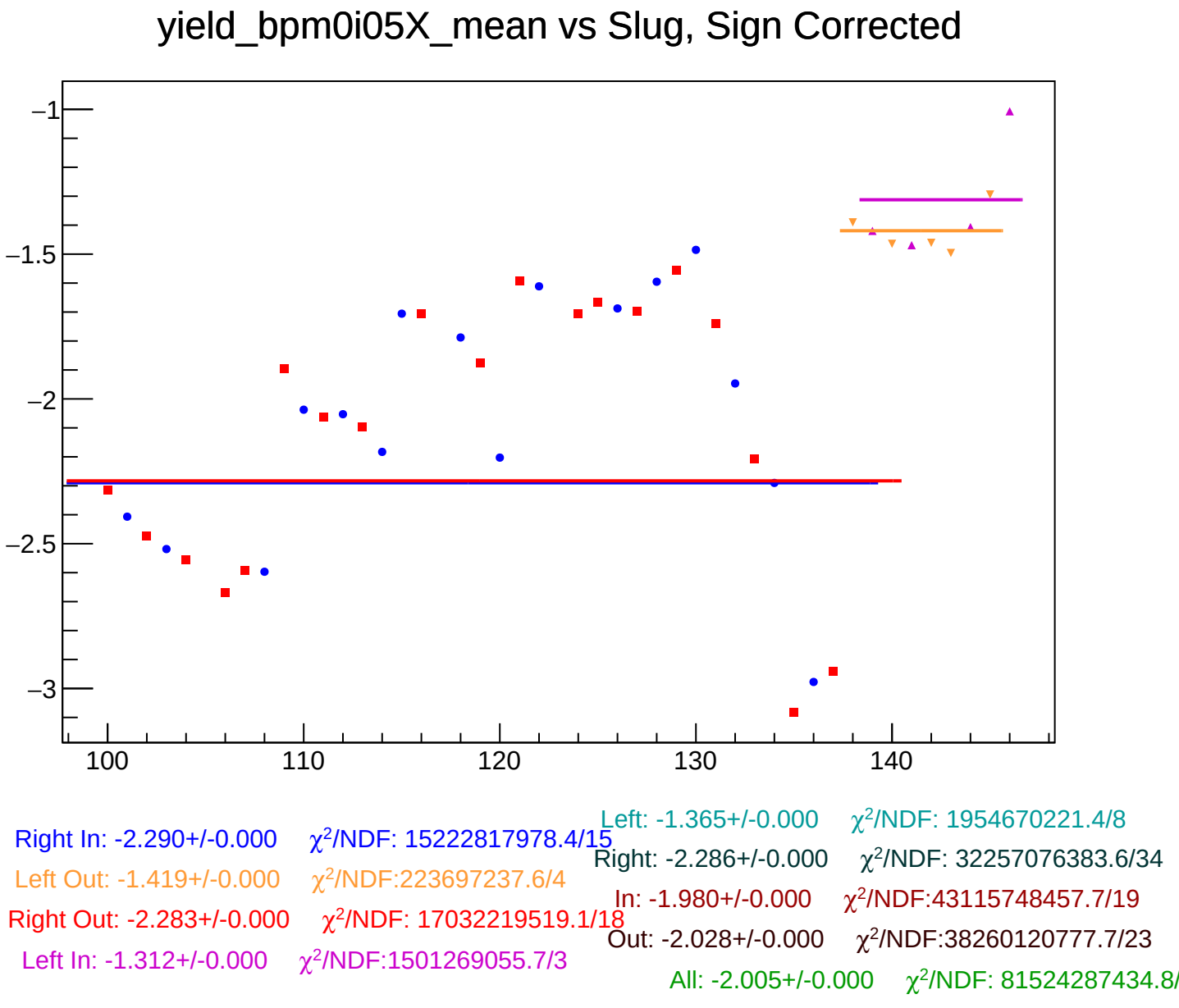
Left: 0.009+/-0.000 χ^2/NDF: 118629.0/8

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

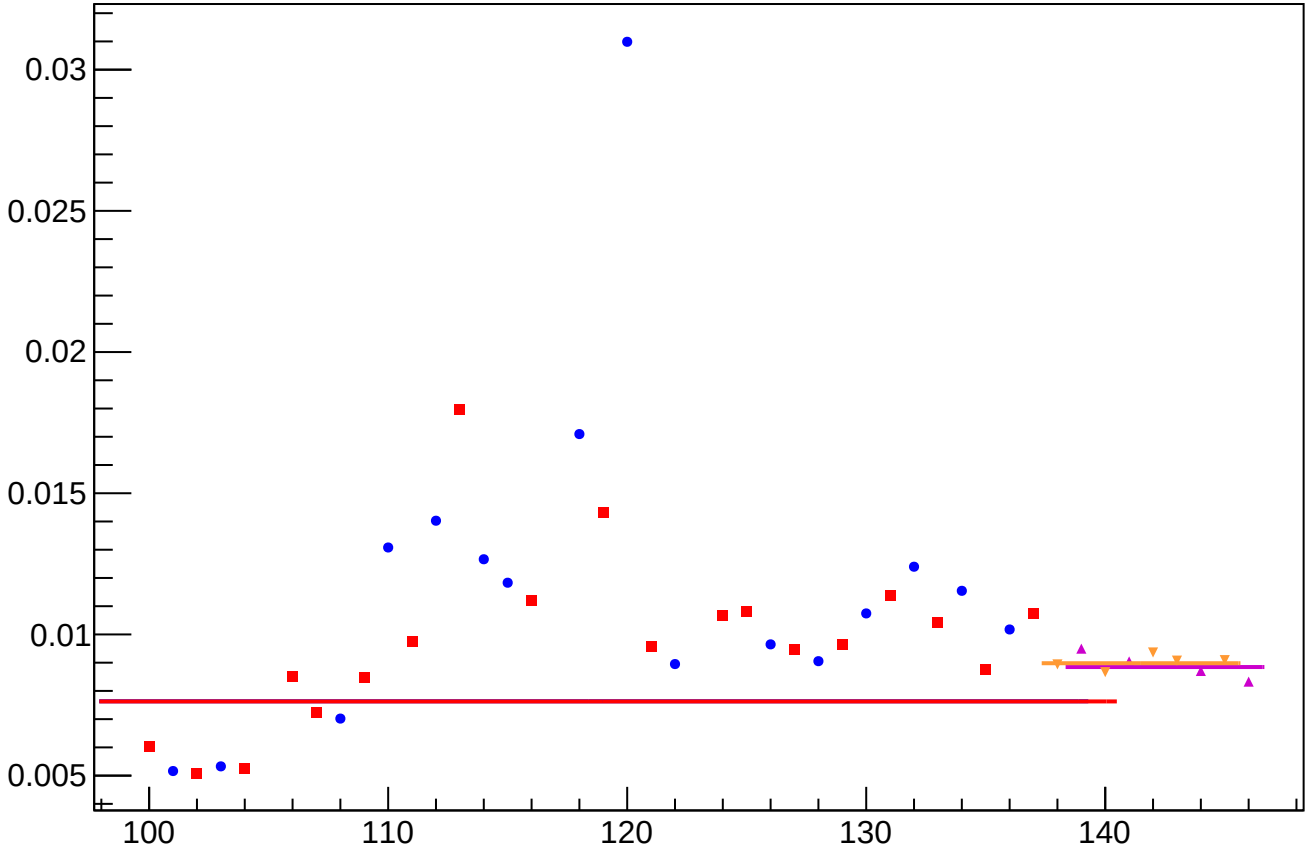
In: 0.009+/-0.000 χ^2/NDF:249816.7/19

Out: 0.009+/-0.000 χ^2/NDF:244221.1/23

All: 0.009+/-0.000 χ^2/NDF: 496970.1/43


yield_bpm0i05X_mean vs Slug, Sign Corrected
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -1.419+/-0.000 χ²/NDF:223697237.6/4
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -1.312+/-0.000 χ²/NDF:1501269055.7/3
Left: -1.365+/-0.000 χ²/NDF: 1954670221.4/8
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -1.980+/-0.000 χ²/NDF:43115748457.7/19
Out: -2.028+/-0.000 χ²/NDF:38260120777.7/23
All: -2.005+/-0.000 χ²/NDF: 81524287434.8/

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:3717.7/4

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:14273.7/3

Left: 0.009+/-0.000 χ^2/NDF: 18721.6/8

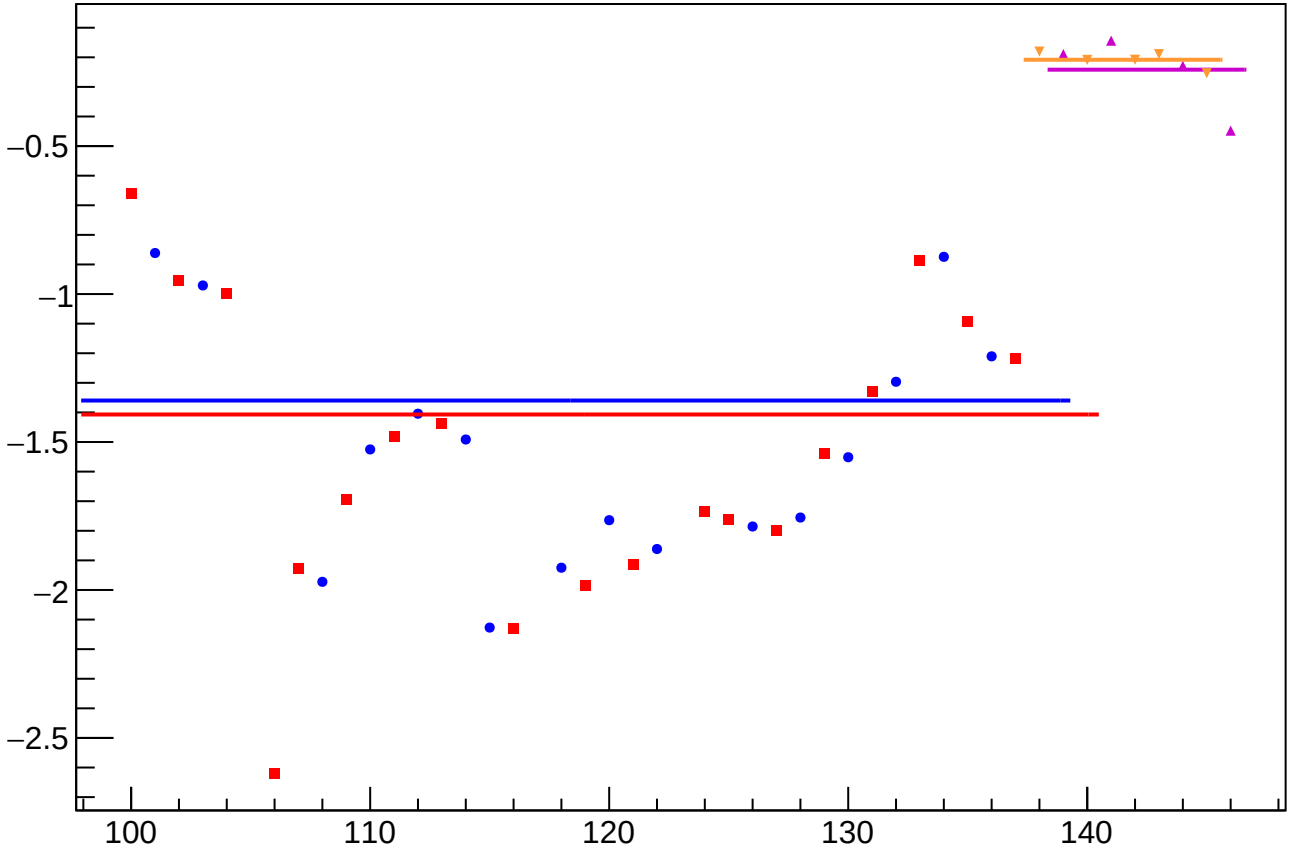
Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1806345.6/19

Out: 0.008+/-0.000 χ^2/NDF:1424506.6/23

All: 0.008+/-0.000 χ^2/NDF: 3230866.7/43

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.208+/-0.000 χ^2/NDF:135672642.6/4

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.242+/-0.000 χ^2/NDF:1824771054.8/3

Left: -0.224+/-0.000 χ^2/NDF: 2058070543.8/8

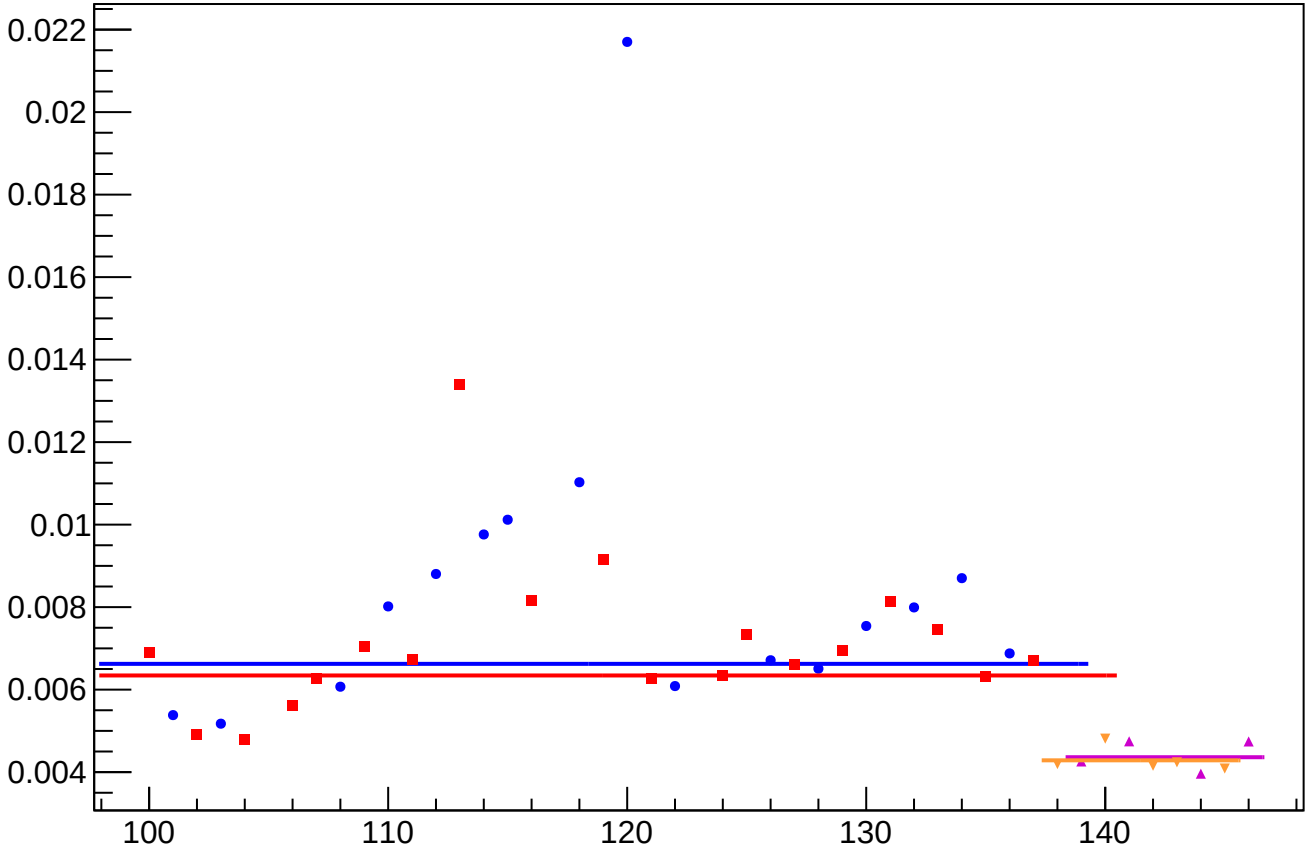
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.738+/-0.000 χ^2/NDF:115032582120.8/19

Out: -0.752+/-0.000 χ^2/NDF:149397678964.5/23

All: -0.745+/-0.000 χ^2/NDF: 264460910409.2

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:23449.9/4

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:37905.5/3

Left: 0.004+/-0.000 χ^2/NDF: 62343.4/8

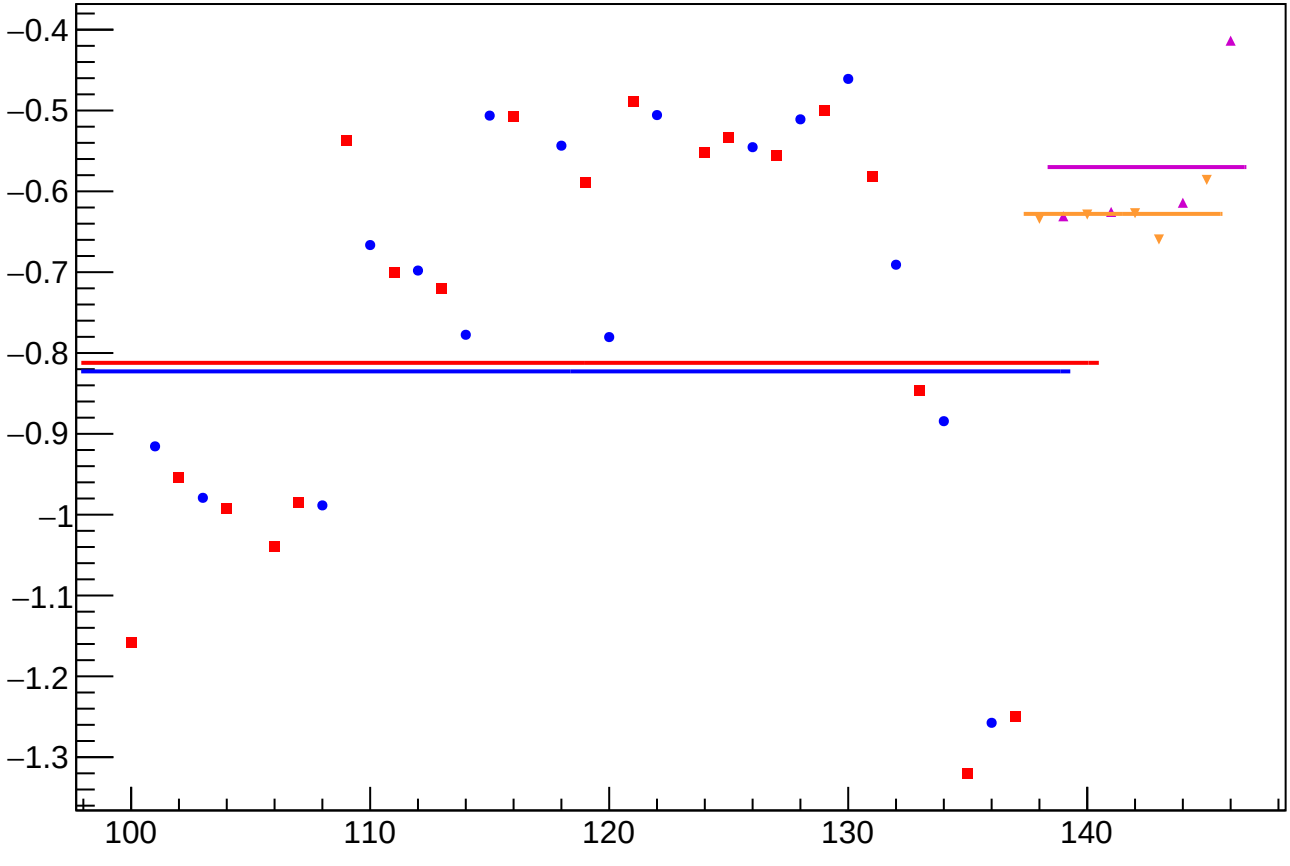
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1483308.1/19

Out: 0.005+/-0.000 χ^2/NDF:1256071.5/23

All: 0.005+/-0.000 χ^2/NDF: 2746172.5/43

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.628+/-0.000 χ^2/NDF:50941245.3/4

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.570+/-0.000 χ^2/NDF:672064725.4/3

Left: -0.600+/-0.000 χ^2/NDF: 861810280.6/8

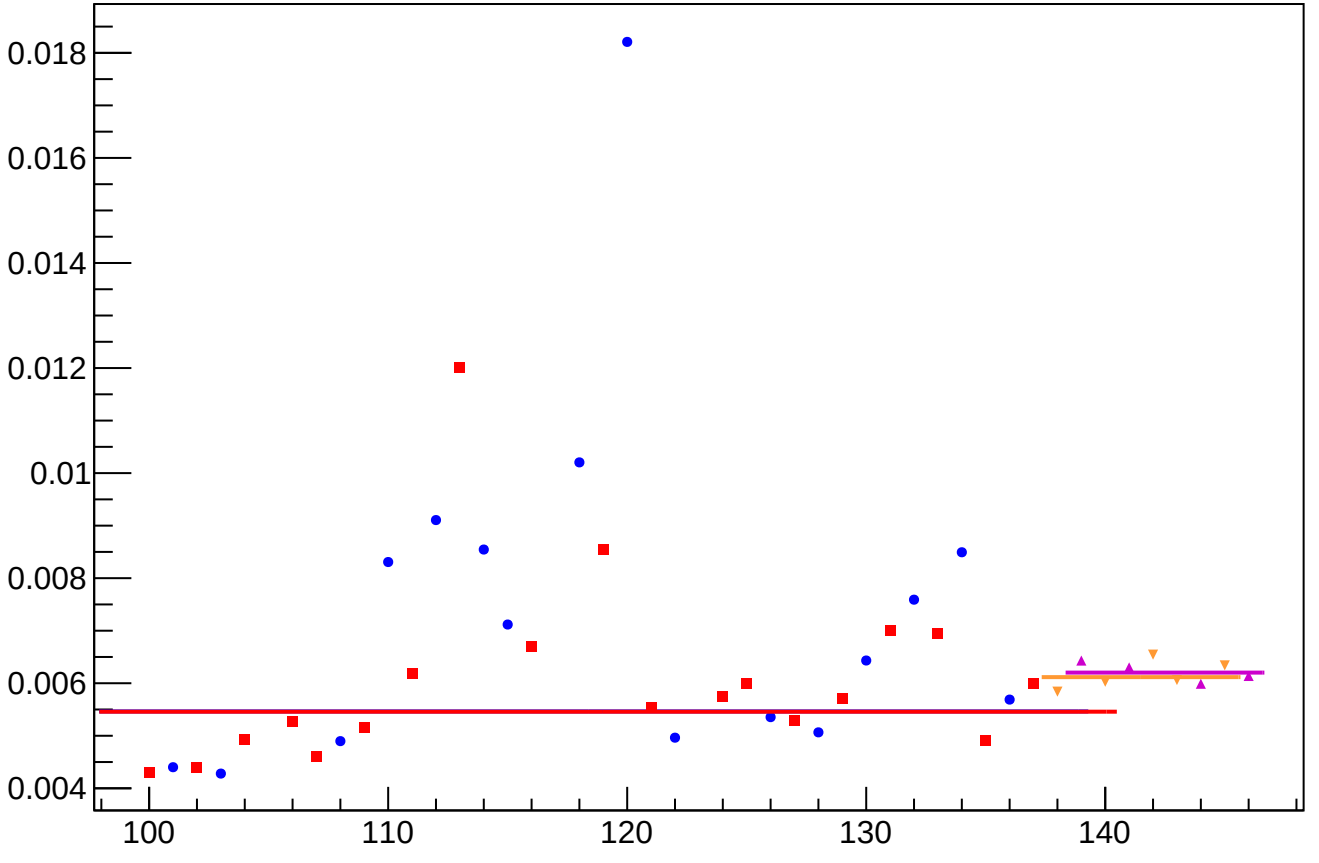
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.746+/-0.000 χ^2/NDF:16495032925.0/19

Out: -0.758+/-0.000 χ^2/NDF:16901027743.8/23

All: -0.752+/-0.000 χ^2/NDF: 33415907319.2/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:8387.6/4

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.006+/-0.000 χ^2/NDF:4446.7/3

Left: 0.006+/-0.000 χ^2/NDF: 13450.8/8

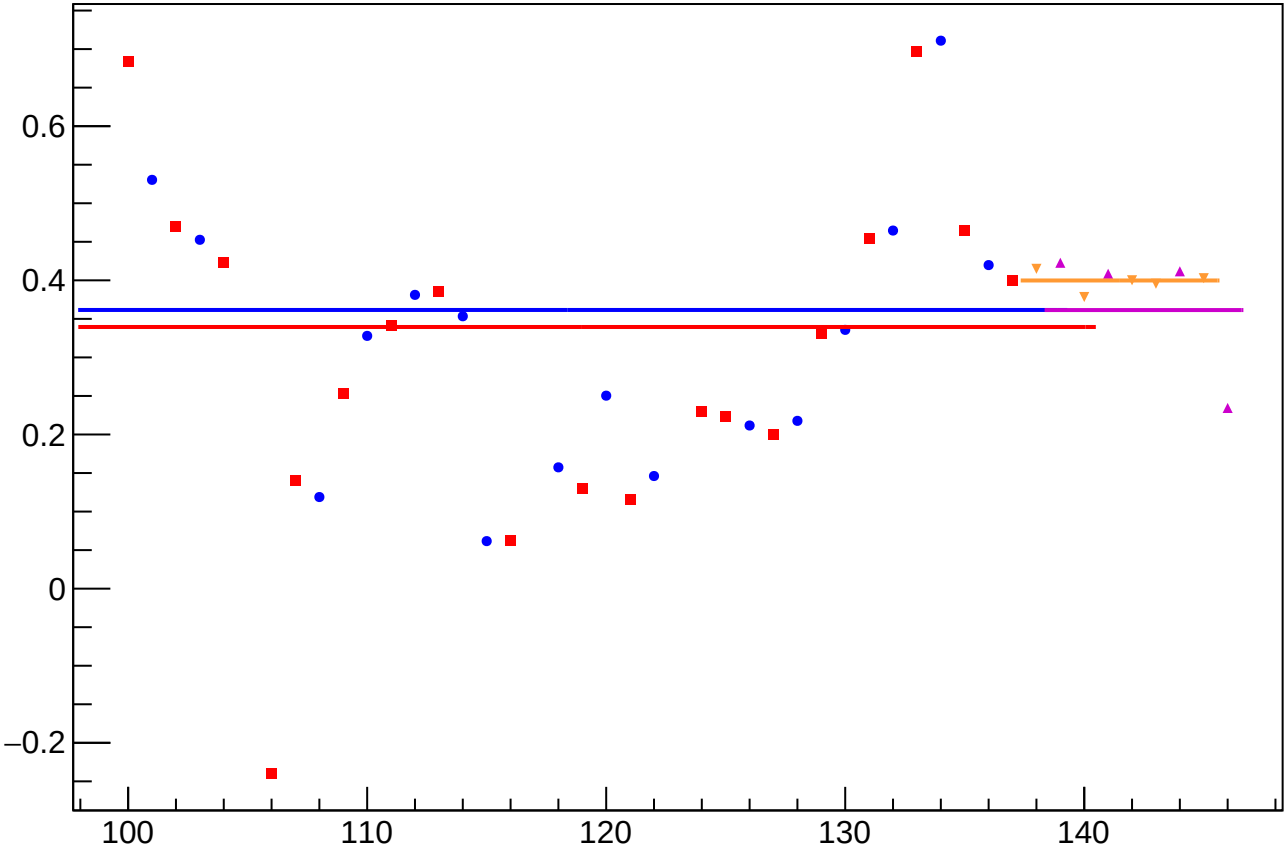
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.006+/-0.000 χ^2/NDF:1027444.3/19

Out: 0.006+/-0.000 χ^2/NDF:567781.1/23

All: 0.006+/-0.000 χ^2/NDF: 1595578.7/43

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.400+/-0.000 χ^2/NDF:24818486.3/4

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.361+/-0.000 χ^2/NDF:1187996519.3/3

Left: 0.381+/-0.000 χ^2/NDF: 1346058228.9/8

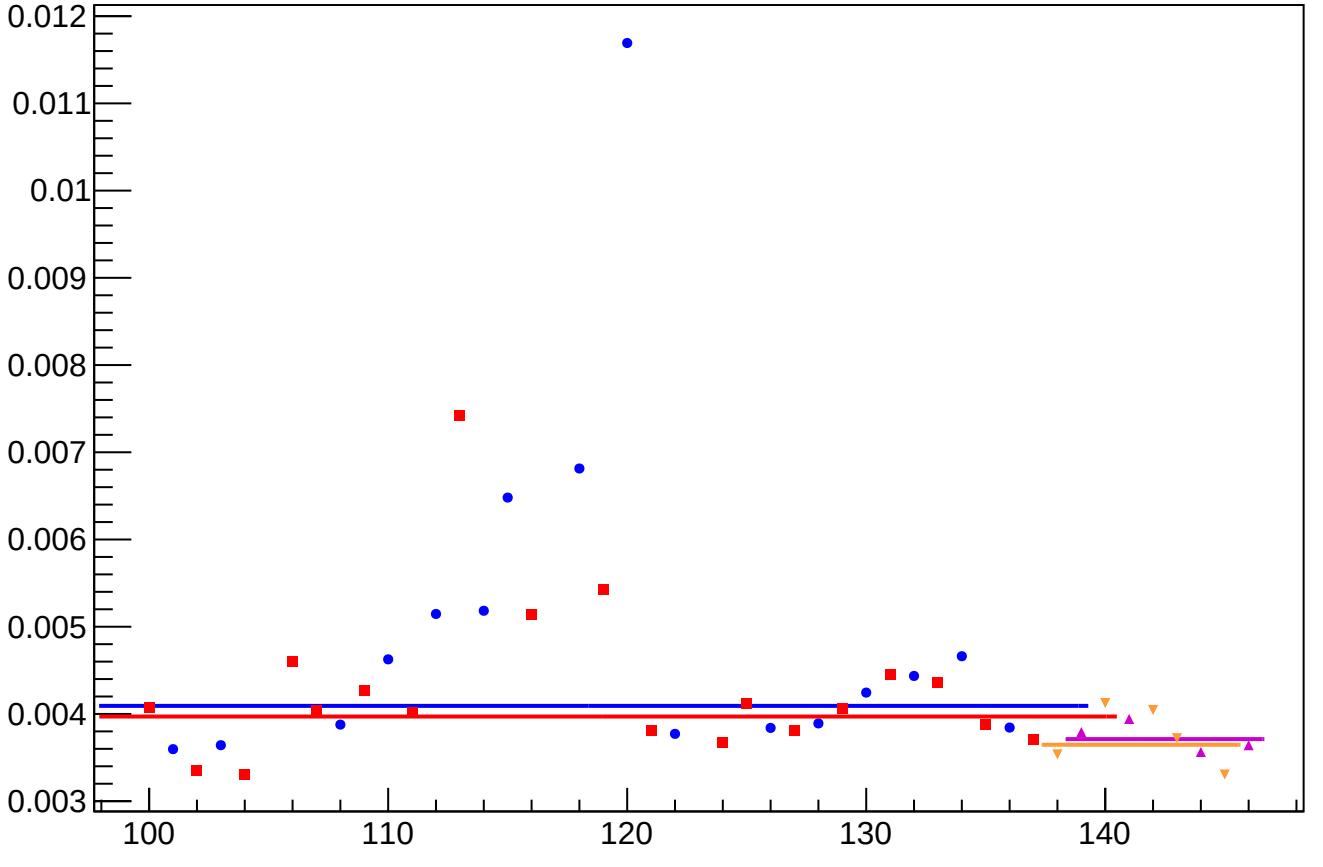
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.362+/-0.000 χ^2/NDF:9963950486.0/19

Out: 0.358+/-0.000 χ^2/NDF:12560119229.3/23

All: 0.360+/-0.000 χ^2/NDF: 22526885898.3/4

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:34298.0/4

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:7029.3/3

Left: 0.004+/-0.000 χ^2/NDF: 42085.1/8

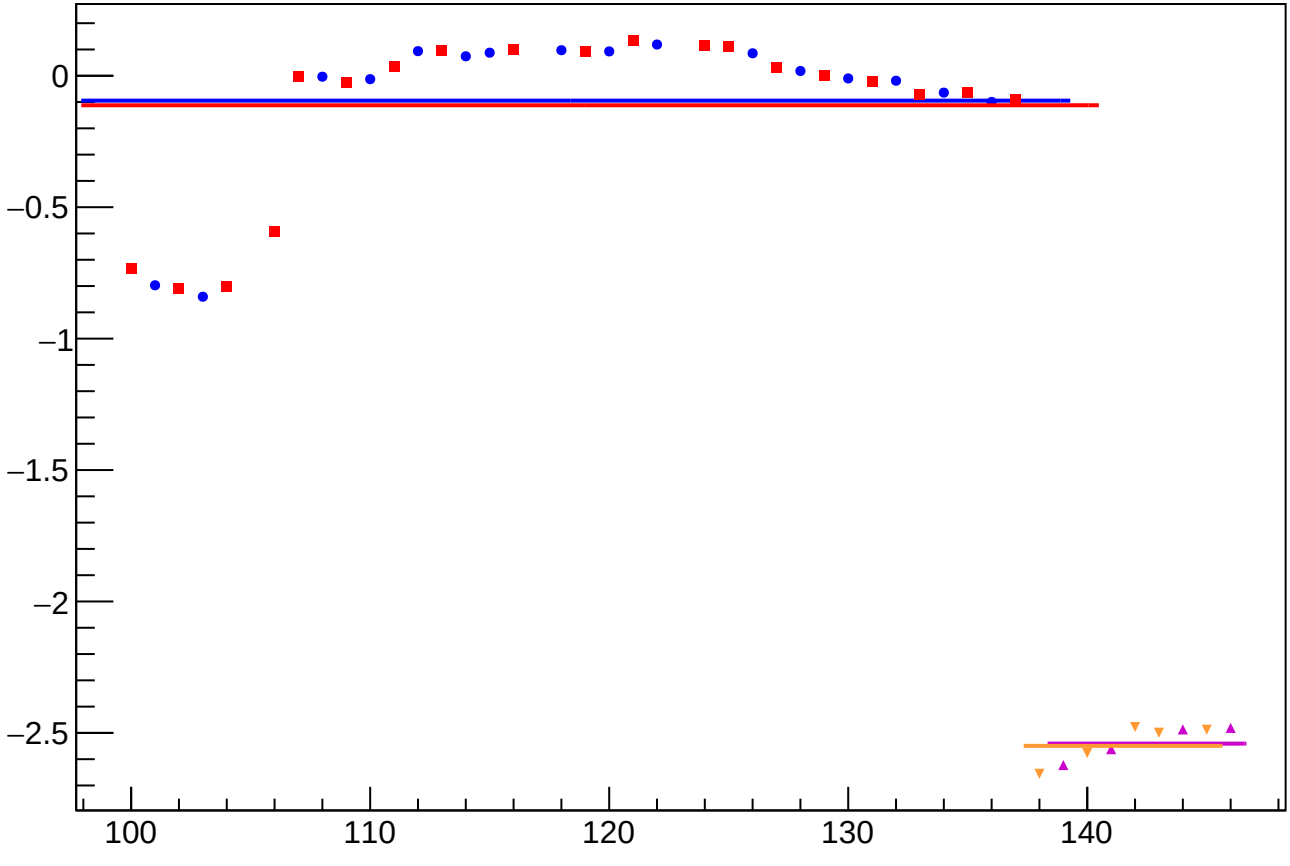
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:533334.7/19

Out: 0.004+/-0.000 χ^2/NDF:374626.8/23

All: 0.004+/-0.000 χ^2/NDF: 913544.6/43

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.549+/-0.000 χ^2/NDF:89716942.5/4

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.541+/-0.000 χ^2/NDF:60309940.9/3

Left: -2.545+/-0.000 χ^2/NDF: 150688897.7/8

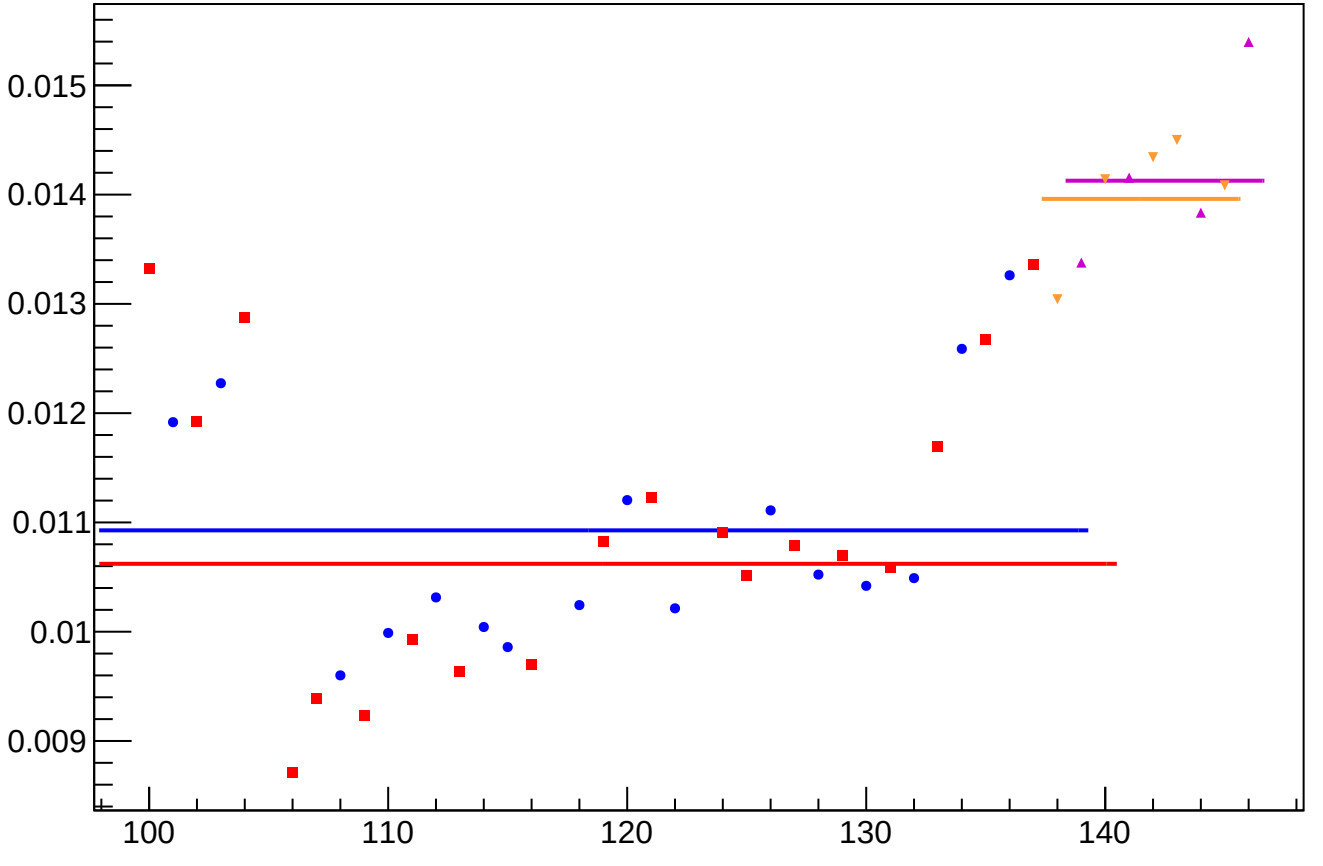
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -0.650+/-0.000 χ^2/NDF:86584823605.5/19

Out: -0.655+/-0.000 χ^2/NDF:92649121840.3/23

All: -0.652+/-0.000 χ^2/NDF: 179234797675.9

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:10842.0/4

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.014+/-0.000 χ^2/NDF:18187.8/3

Left: 0.014+/-0.000 χ^2/NDF: 29530.7/8

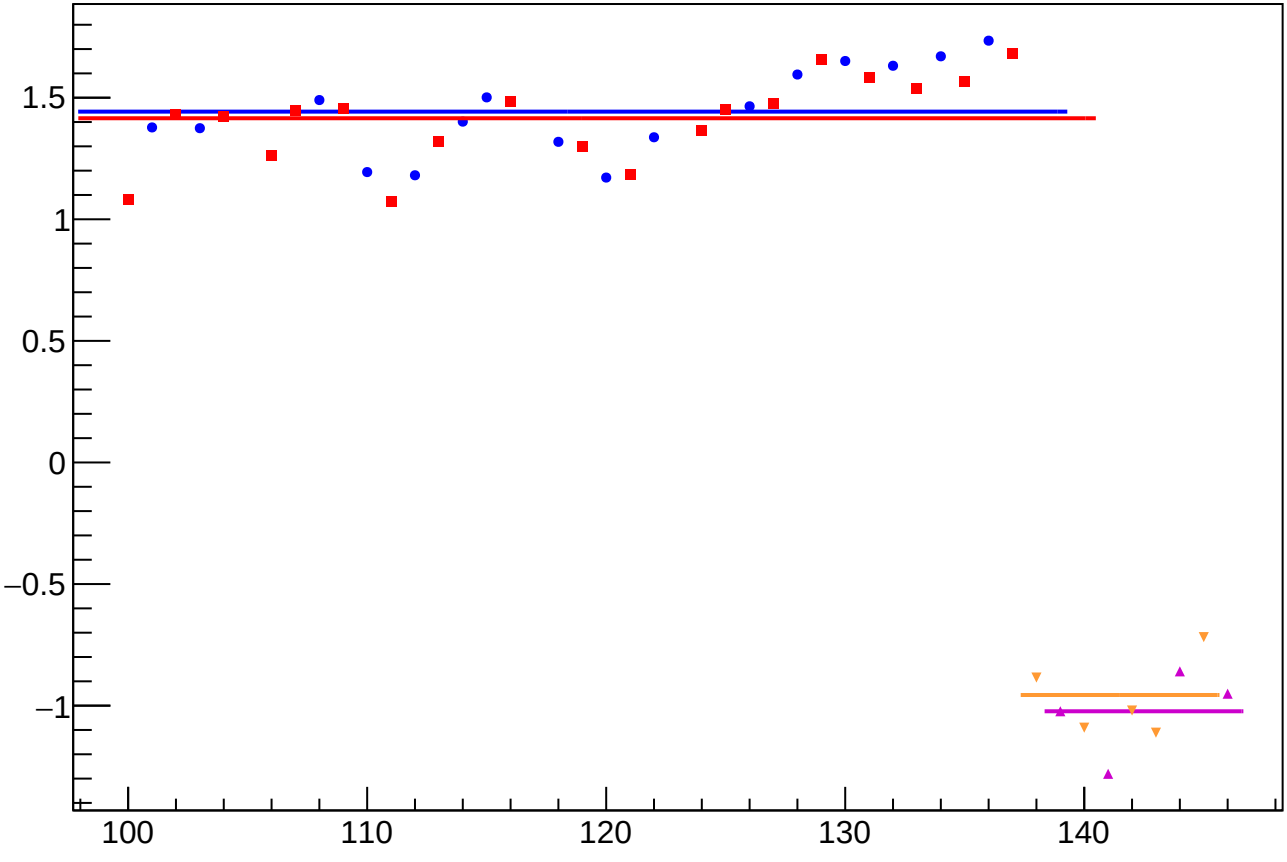
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.012+/-0.000 χ^2/NDF:431985.6/19

Out: 0.011+/-0.000 χ^2/NDF:525721.0/23

All: 0.012+/-0.000 χ^2/NDF: 964445.7/43

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.956+/-0.000 χ^2/NDF:776769357.0/4

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.023+/-0.000 χ^2/NDF:744487235.0/3

Left: -0.989+/-0.000 χ^2/NDF: 1594857076.0/8

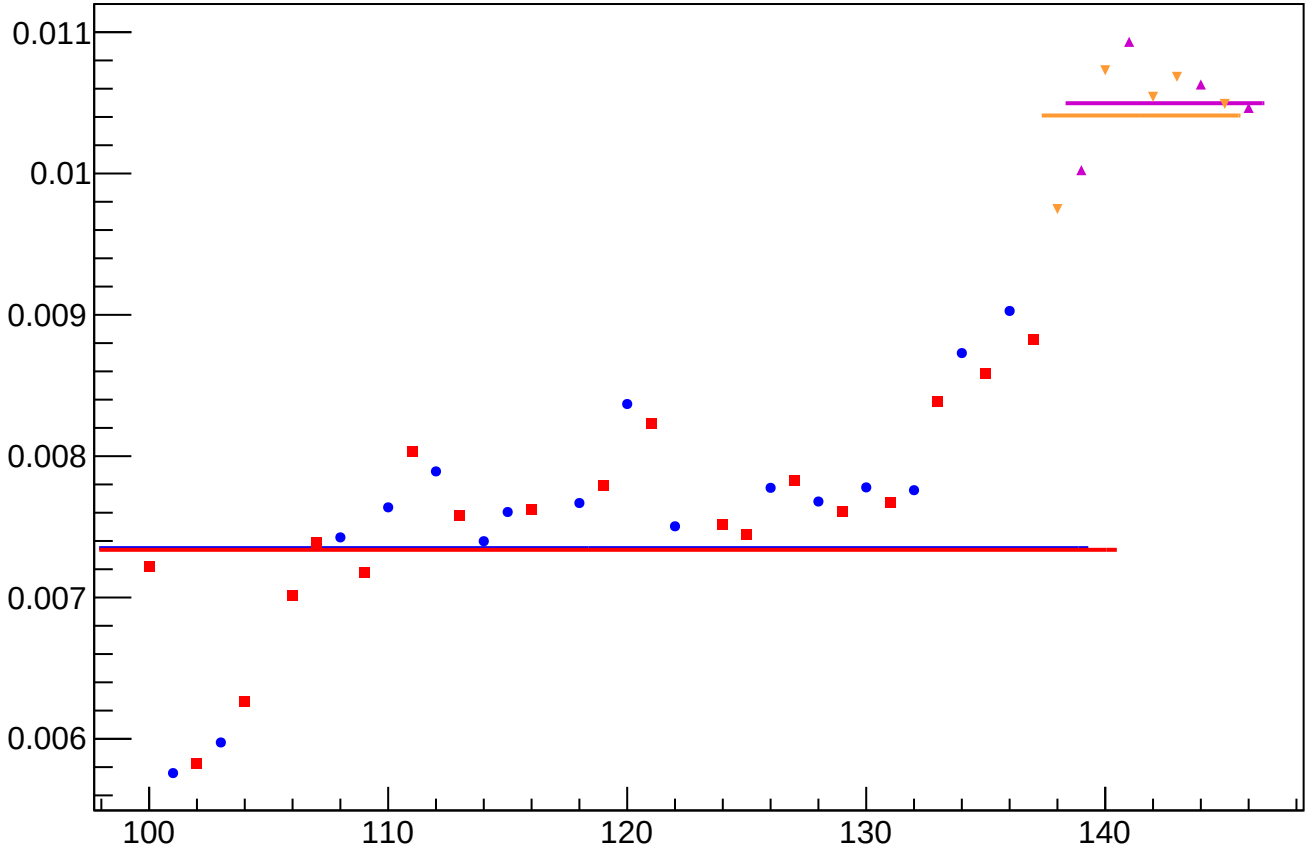
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.960+/-0.000 χ^2/NDF:160353337975.8/19

Out: 0.945+/-0.000 χ^2/NDF:156318301371.4/23

All: 0.952+/-0.000 χ^2/NDF: 316689030801.6

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:9948.7/4

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.010+/-0.000 χ^2/NDF:6852.6/3

Left: 0.010+/-0.000 χ^2/NDF: 17049.4/8

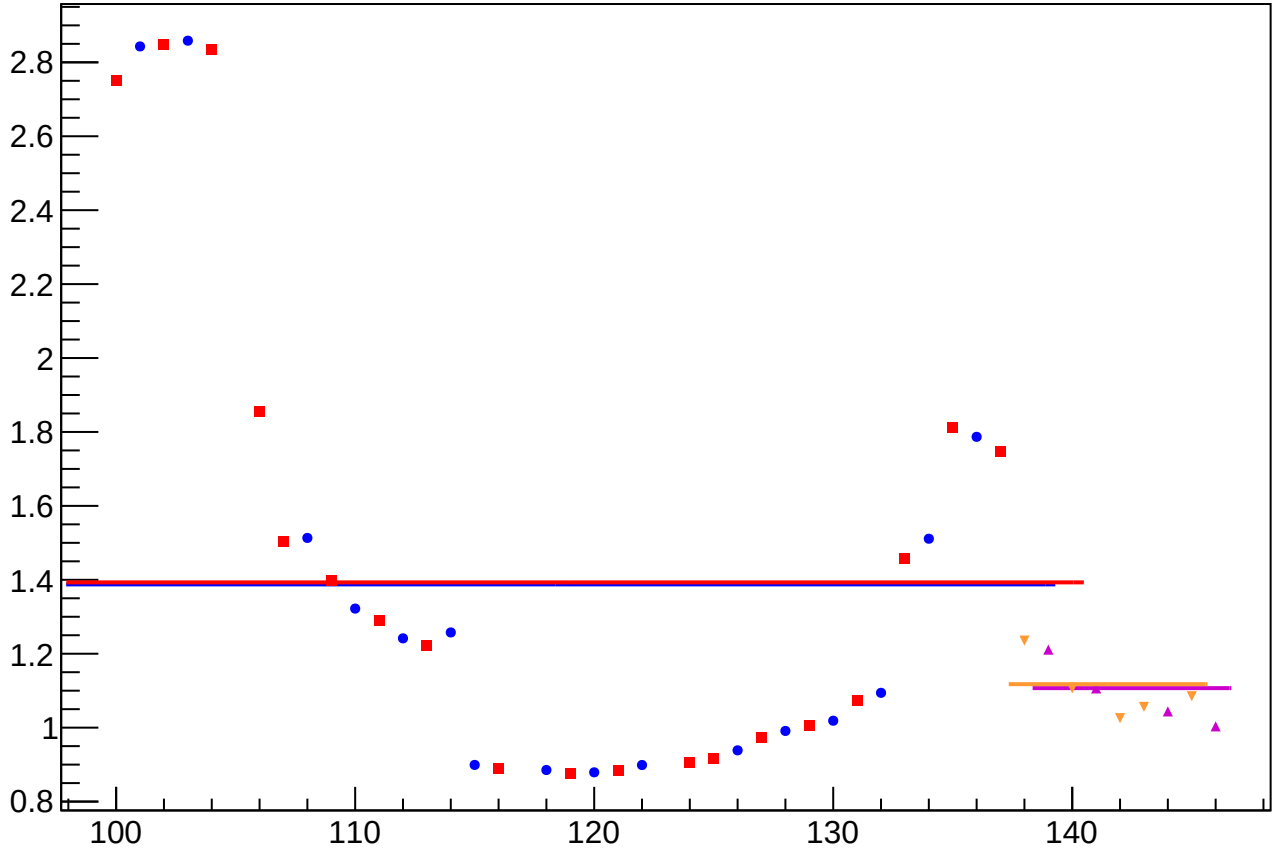
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:785743.2/19

Out: 0.008+/-0.000 χ^2/NDF:718125.5/23

All: 0.008+/-0.000 χ^2/NDF: 1503930.6/43

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.118+/-0.000 χ^2/NDF:290887957.3/4

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.107+/-0.000 χ^2/NDF:274588346.0/3

Left: 1.113+/-0.000 χ^2/NDF: 568242168.3/8

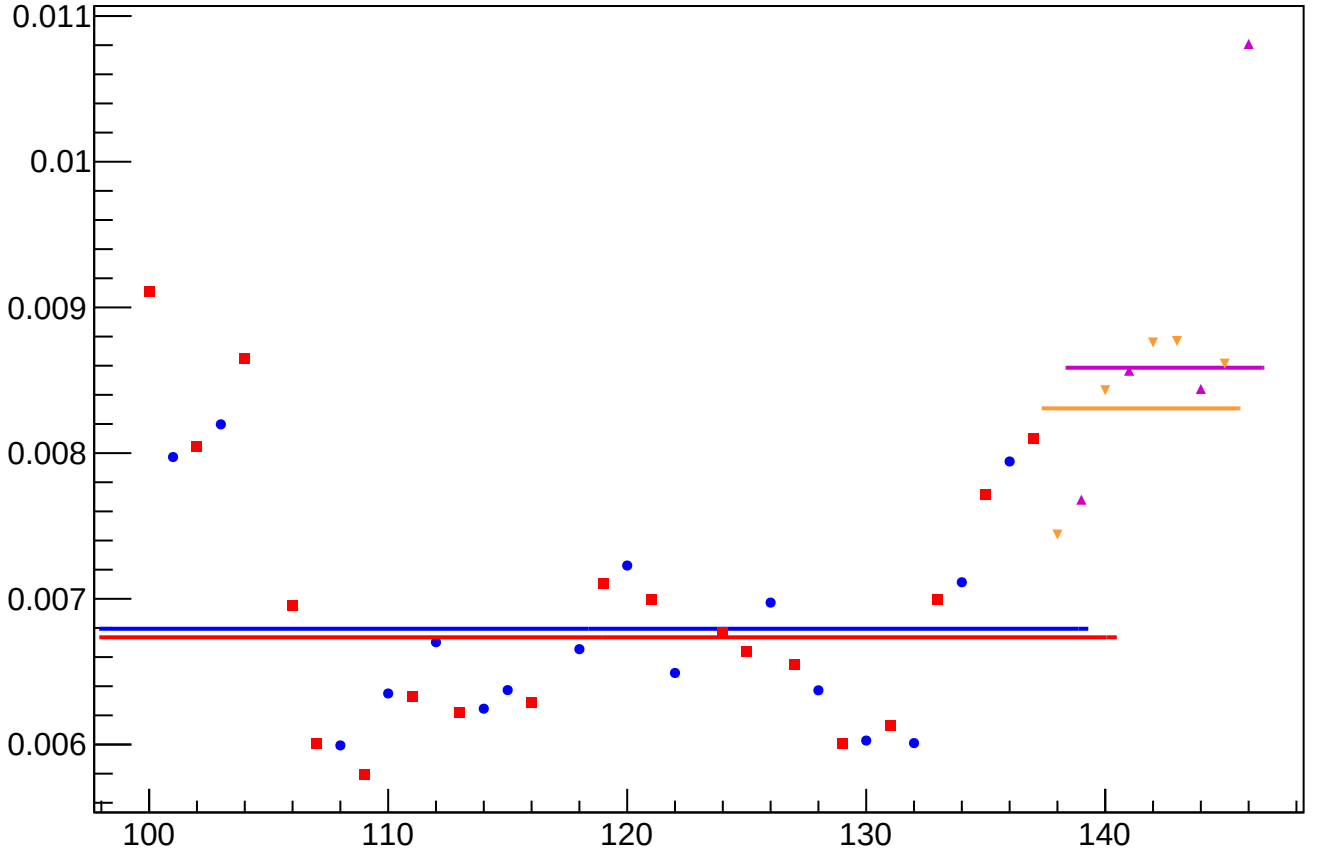
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.324+/-0.000 χ^2/NDF:61636459214.9/19

Out: 1.326+/-0.000 χ^2/NDF:58628999054.9/23

All: 1.325+/-0.000 χ^2/NDF: 120266122147.6

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:29725.5/4

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.009+/-0.000 χ^2/NDF:90075.7/3

Left: 0.008+/-0.000 χ^2/NDF: 123554.7/8

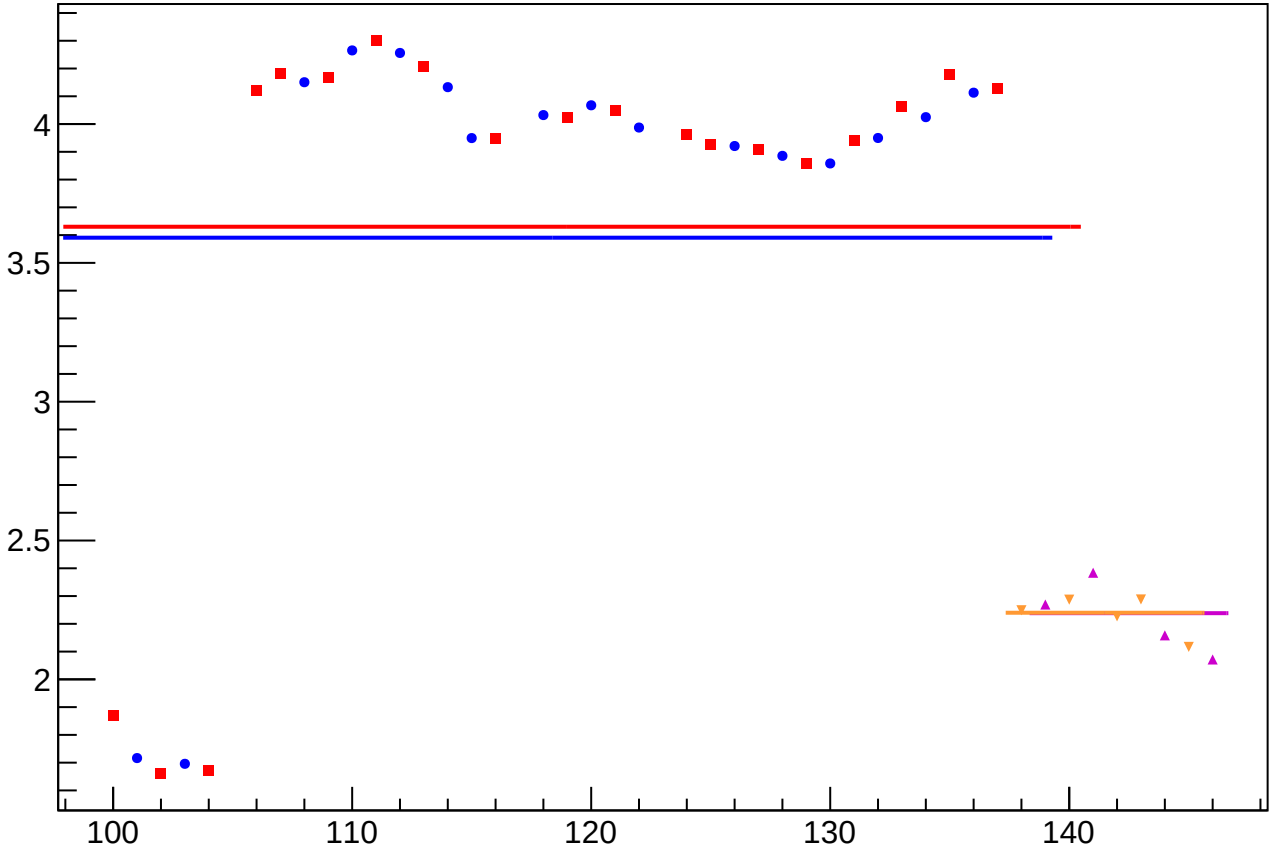
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:478616.7/19

Out: 0.007+/-0.000 χ^2/NDF:421770.0/23

All: 0.007+/-0.000 χ^2/NDF: 901887.6/43

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 2.240+/-0.000 χ^2/NDF:247909191.2/4

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 2.238+/-0.000 χ^2/NDF:679491853.0/3

Left: 2.239+/-0.000 χ^2/NDF: 927473669.2/8

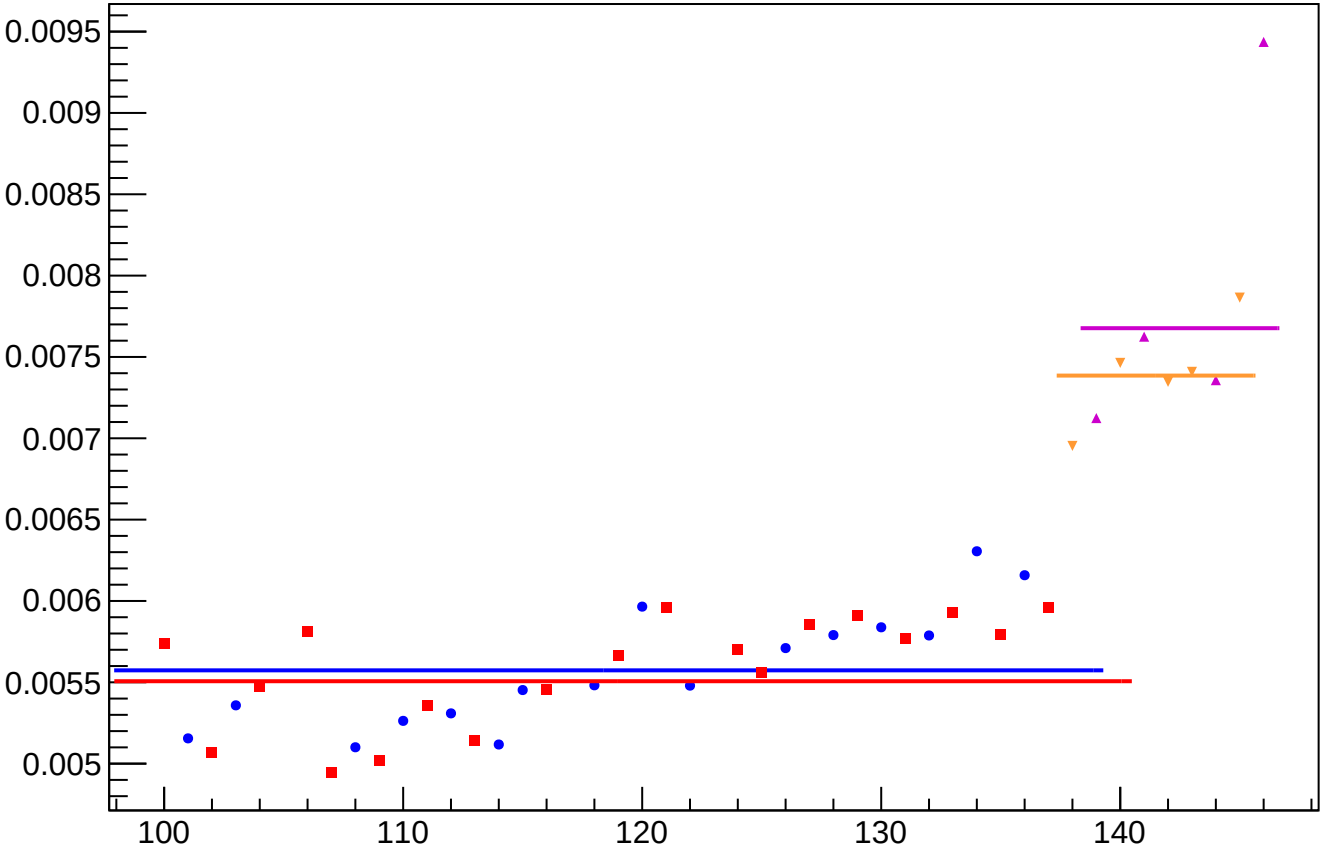
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 3.325+/-0.000 χ^2/NDF:285844068459.9/19

Out: 3.333+/-0.000 χ^2/NDF:312177584036.6/23

All: 3.329+/-0.000 χ^2/NDF: 598032763889.9

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:11556.6/4

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.008+/-0.000 χ^2/NDF:66675.0/3

Left: 0.008+/-0.000 χ^2/NDF: 83375.6/8

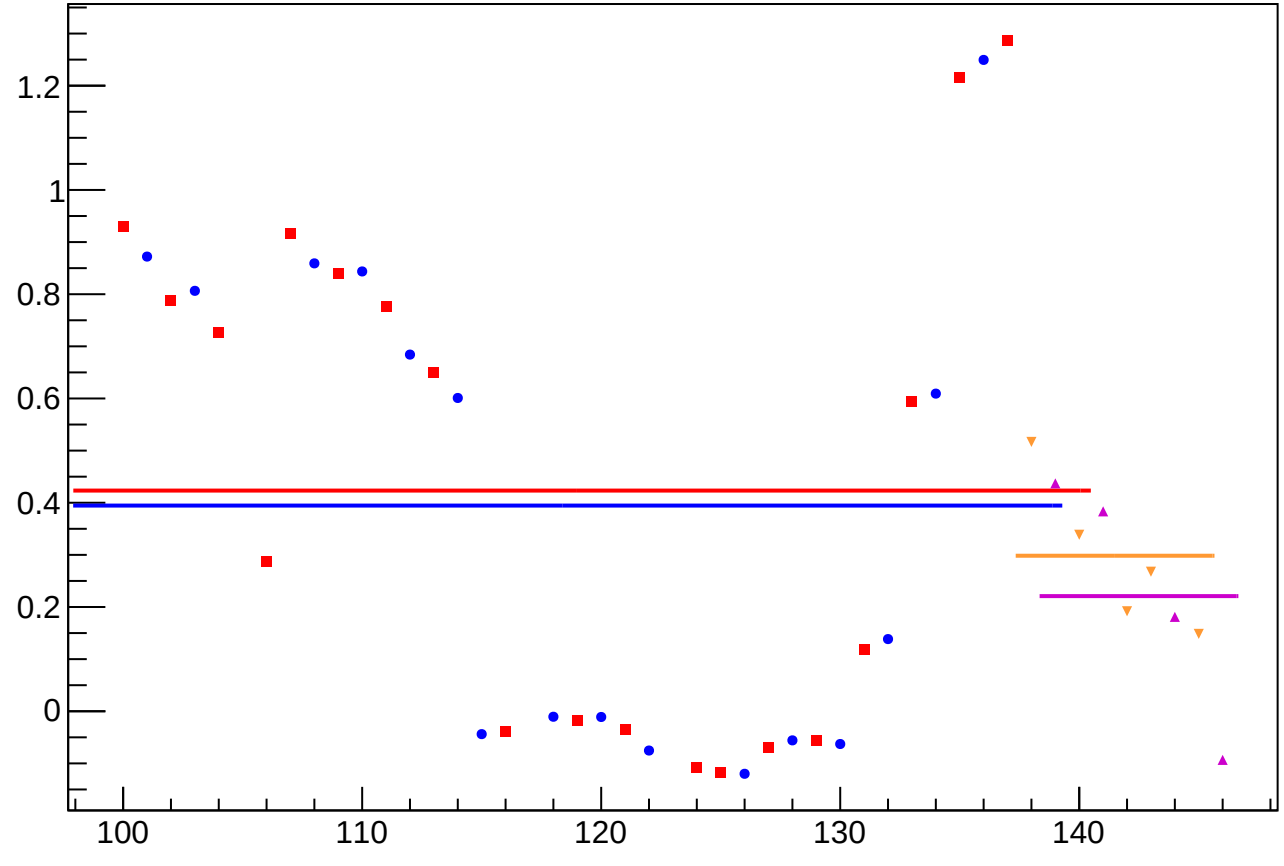
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:527249.6/19

Out: 0.006+/-0.000 χ^2/NDF:431845.4/23

All: 0.006+/-0.000 χ^2/NDF: 960968.1/43

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.298+/-0.000 χ^2/NDF:246814364.5/4

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.221+/-0.000 χ^2/NDF:566340624.0/3

Left: 0.260+/-0.000 χ^2/NDF: 854790281.0/8

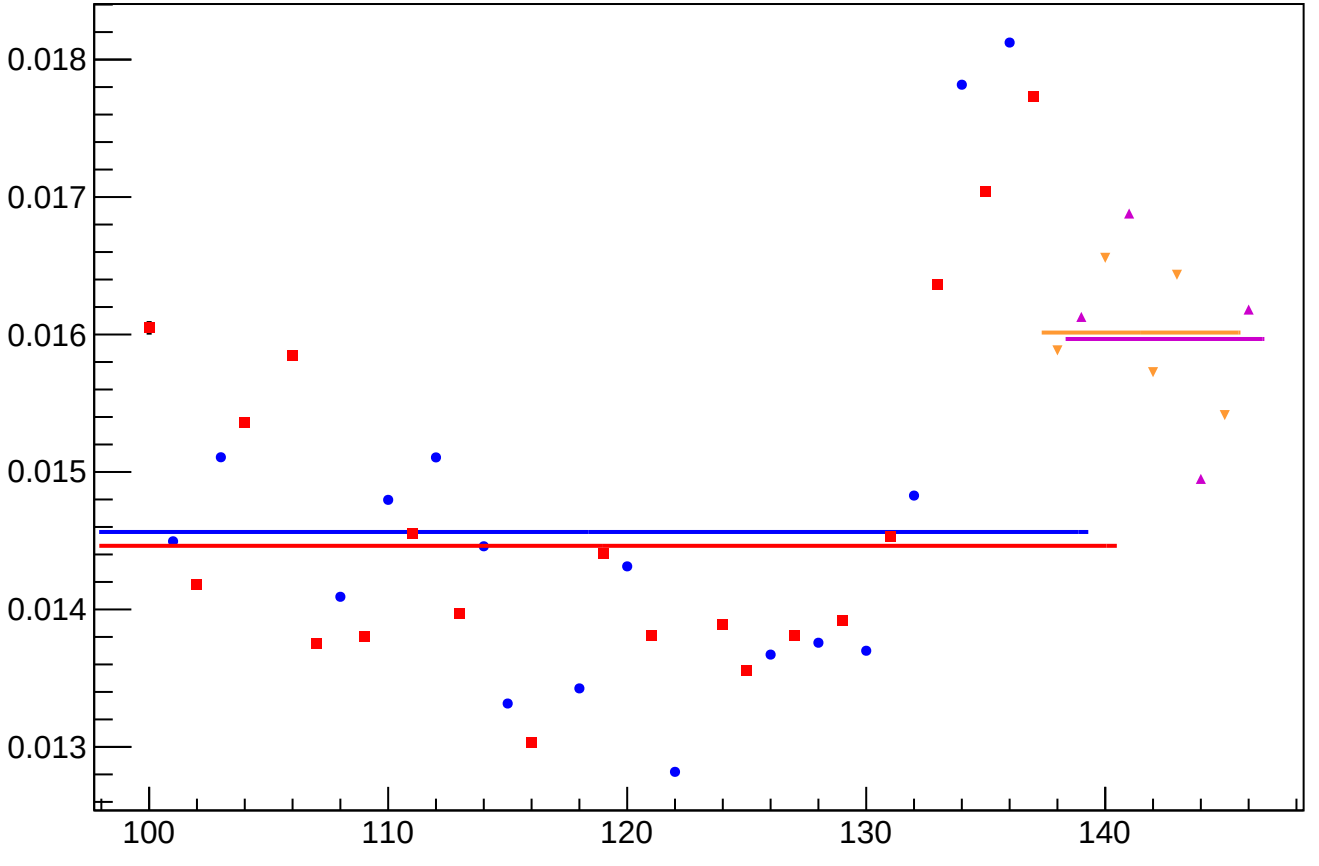
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.344+/-0.000 χ^2/NDF:8270731865.9/19

Out: 0.387+/-0.000 χ^2/NDF:7308091431.1/23

All: 0.366+/-0.000 χ^2/NDF: 15622948917.7/4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:5661.2/4

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:13856.0/3

Left: 0.016+/-0.000 χ^2/NDF: 19547.5/8

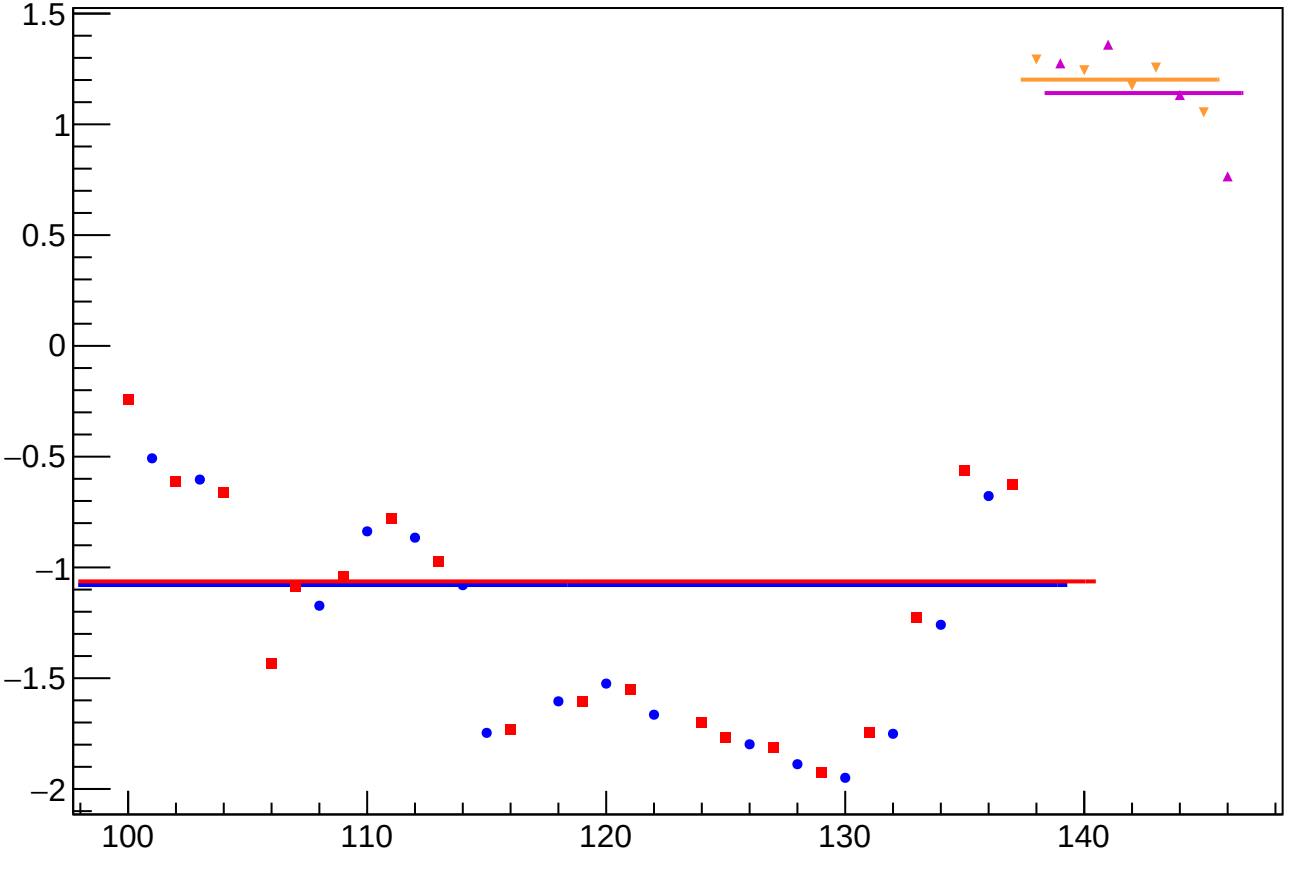
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.015+/-0.000 χ^2/NDF:185132.9/19

Out: 0.015+/-0.000 χ^2/NDF:131504.3/23

All: 0.015+/-0.000 χ^2/NDF: 316801.0/43

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.202+/-0.000 χ^2/NDF:1880484742.8/4

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.141+/-0.000 χ^2/NDF:8279303864.6/3

Left: 1.174+/-0.000 χ^2/NDF: 10559099653.4/8

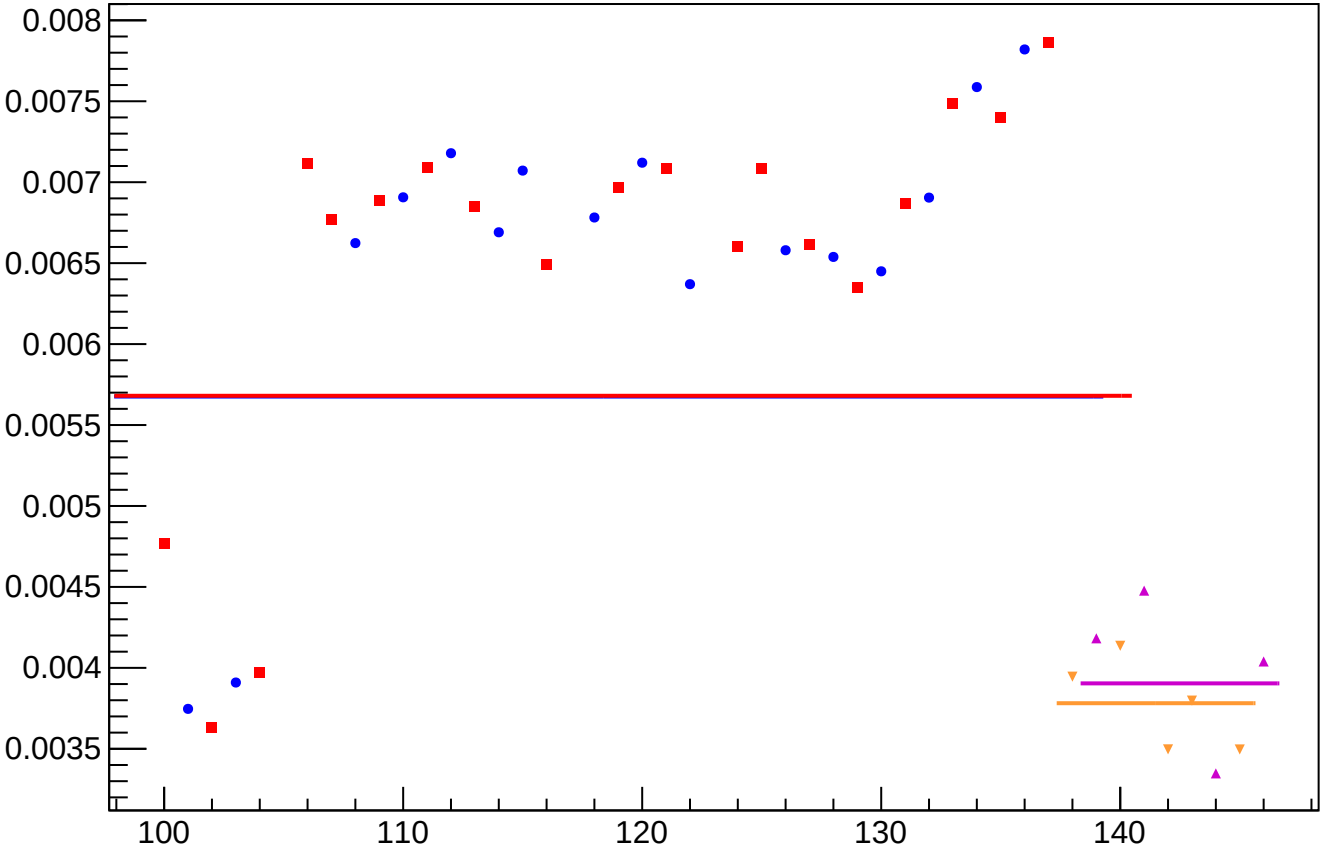
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.041+/-0.000 χ^2/NDF:559518744691.8/19

Out: 0.164+/-0.000 χ^2/NDF:607291083304.1/23

All: 0.105+/-0.000 χ^2/NDF: 1170000159108.

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:28833.2/4

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:82199.8/3

Left: 0.004+/-0.000 χ^2/NDF: 114295.4/8

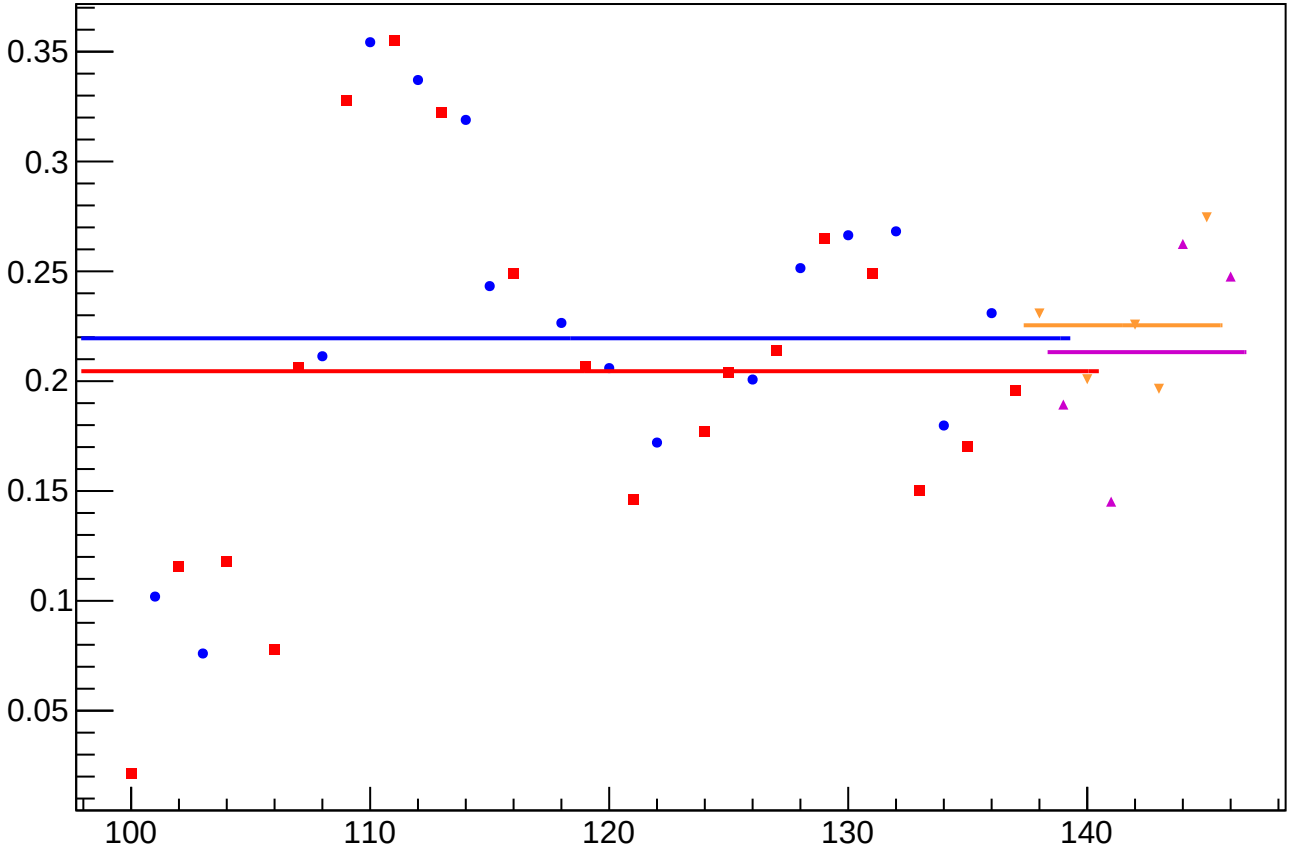
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.005+/-0.000 χ^2/NDF:1652849.2/19

Out: 0.005+/-0.000 χ^2/NDF:1790386.9/23

All: 0.005+/-0.000 χ^2/NDF: 3450372.6/43

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.225+/-0.000 χ^2/NDF:1683492985.5/4

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.213+/-0.000 χ^2/NDF:4079681632.6/3

Left: 0.220+/-0.000 χ^2/NDF: 5902725509.4/8

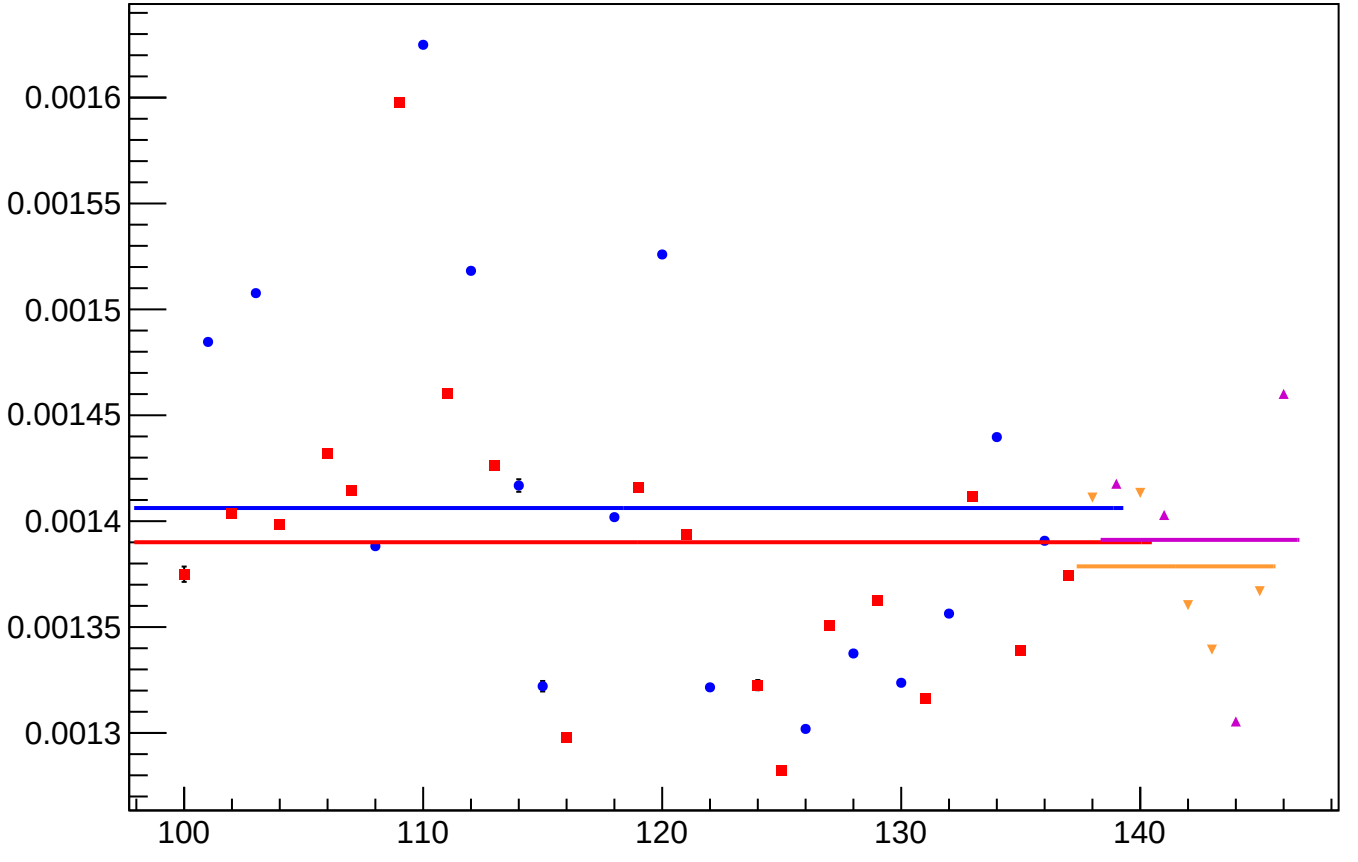
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.217+/-0.000 χ^2/NDF:20856906428.4/19

Out: 0.212+/-0.000 χ^2/NDF:24554505737.8/23

All: 0.214+/-0.000 χ^2/NDF: 45503986201.0/4

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:3503.3/4

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:12437.5/3

Left: 0.001+/-0.000 χ^2/NDF: 16233.0/8

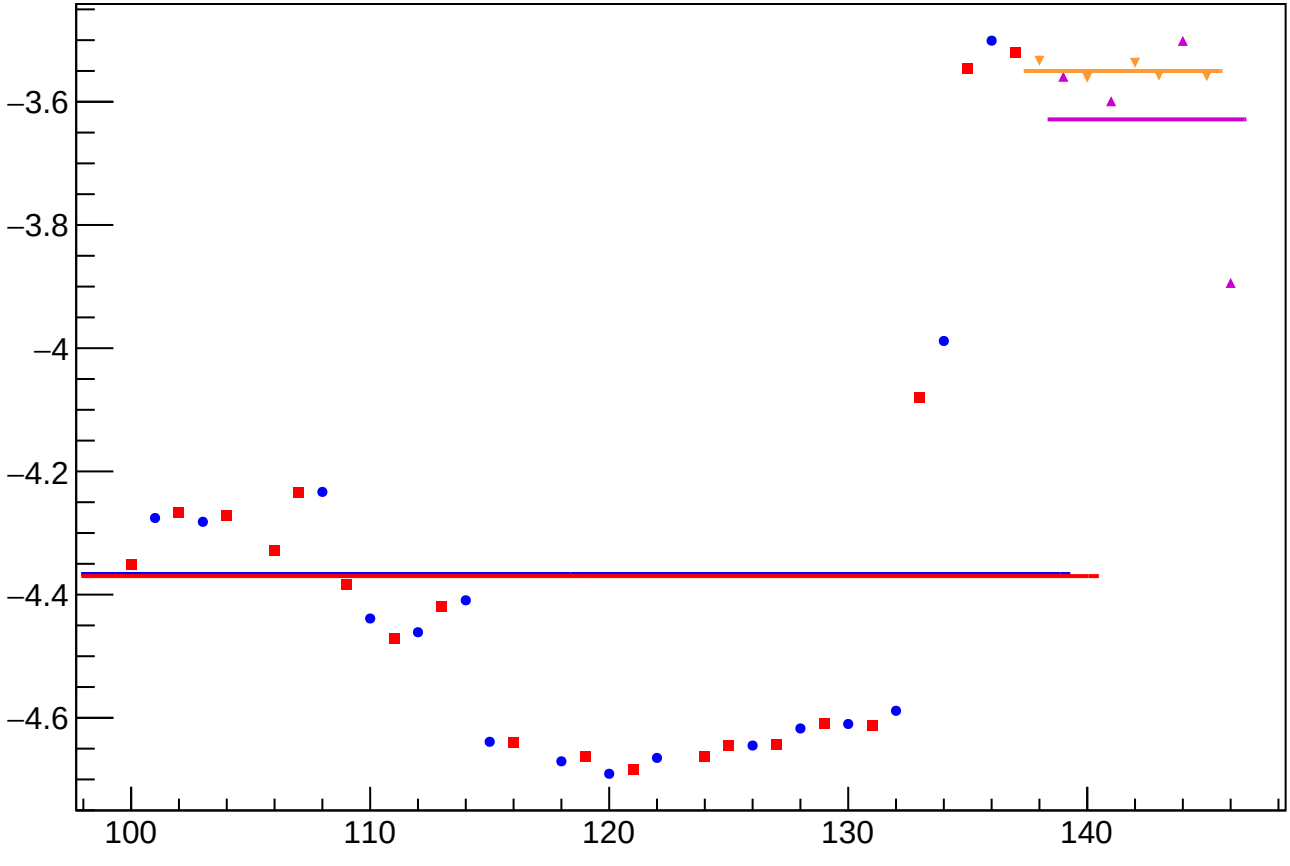
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:61178.4/19

Out: 0.001+/-0.000 χ^2/NDF:38622.2/23

All: 0.001+/-0.000 χ^2/NDF: 101020.0/43

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.550+/-0.000 χ^2/NDF:157958390.4/4

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.629+/-0.000 χ^2/NDF:21363728143.5/3

Left: -3.588+/-0.000 χ^2/NDF: 24770689352.5/8

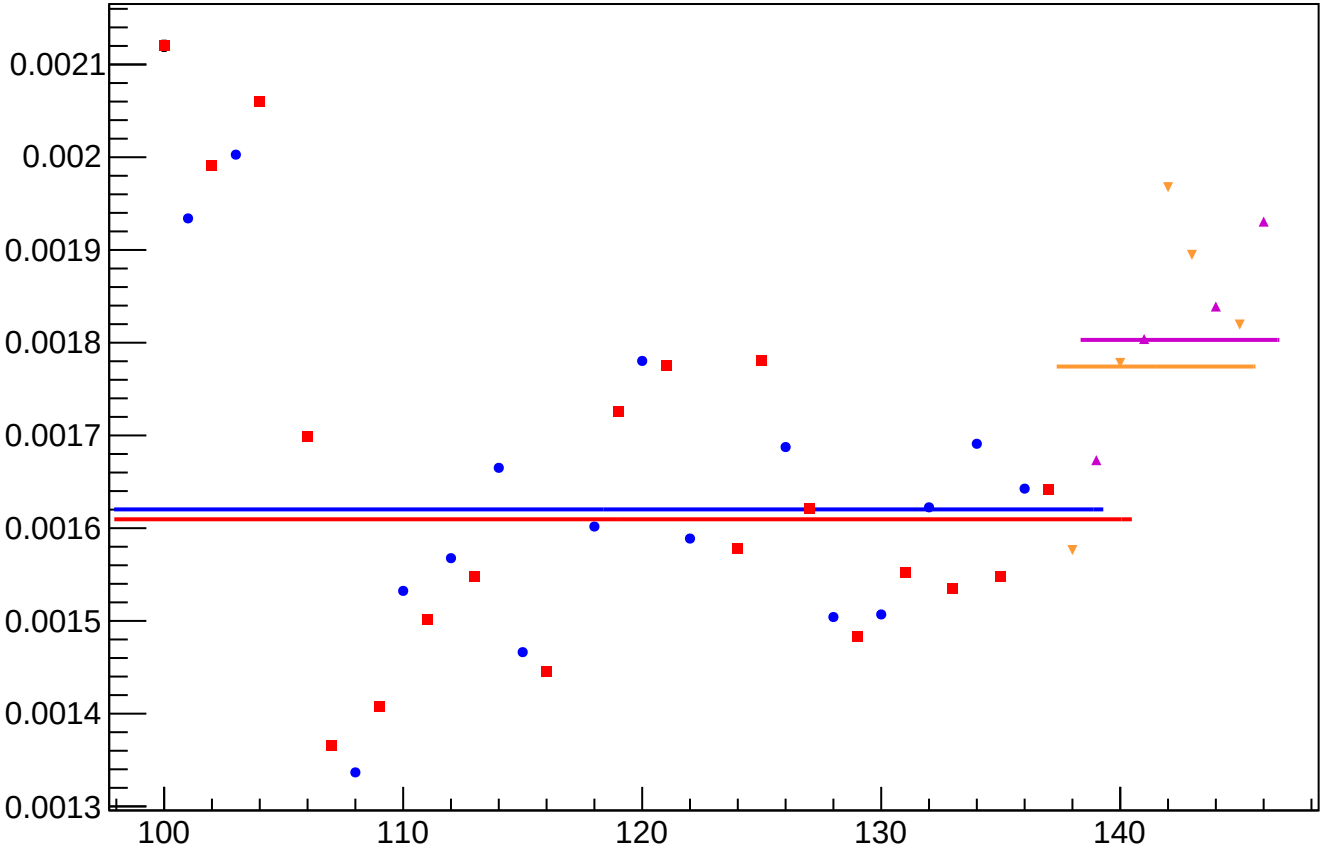
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.159+/-0.000 χ^2/NDF:774444917468.4/19

Out: -4.137+/-0.000 χ^2/NDF:820753965783.5/23

All: -4.148+/-0.000 χ^2/NDF: 1596130412917

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:37929.0/4

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:17671.2/3

Left: 0.002+/-0.000 χ^2/NDF: 56471.0/8

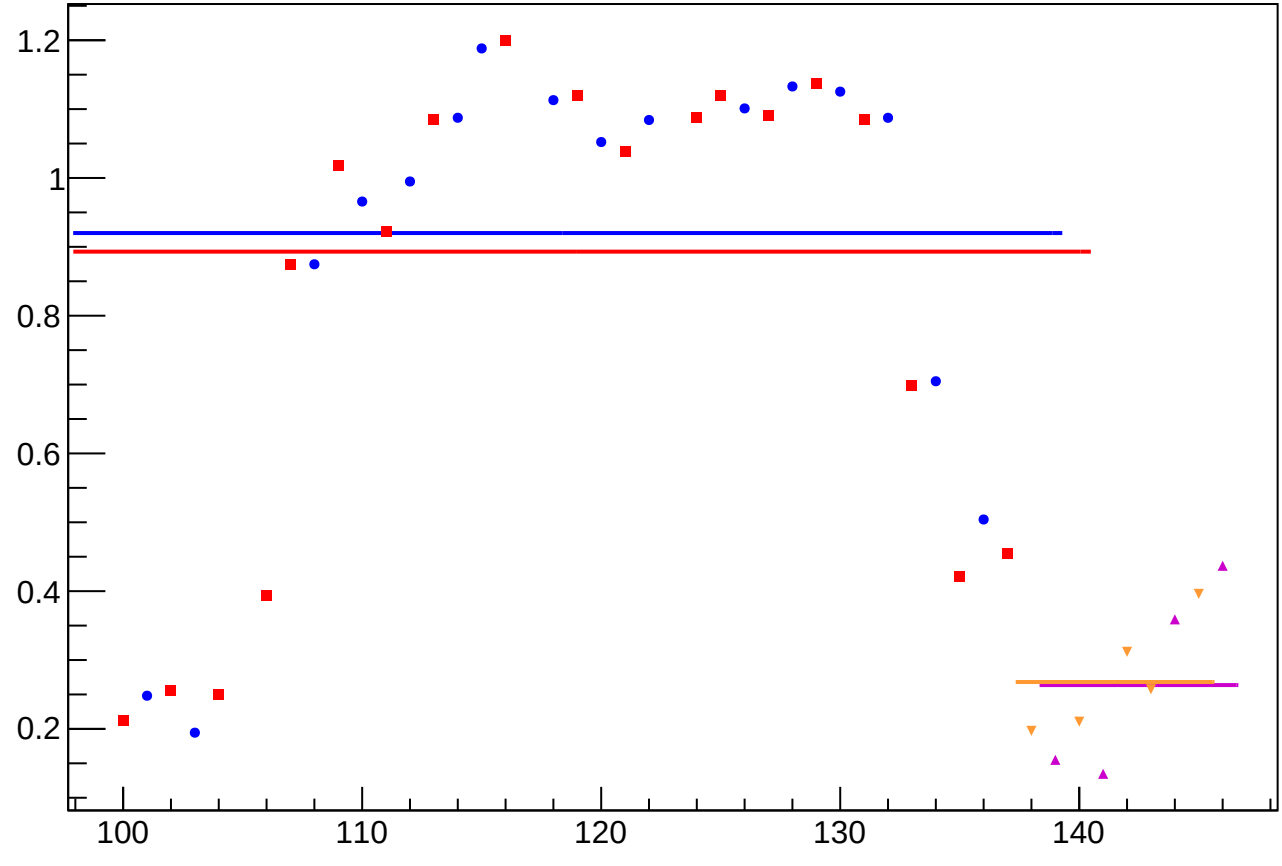
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:206982.1/19

Out: 0.002+/-0.000 χ^2/NDF:265234.0/23

All: 0.002+/-0.000 χ^2/NDF: 473076.7/43

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.268+/-0.000 χ^2/NDF:280678939.9/4

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.264+/-0.000 χ^2/NDF:728902401.4/3

Left: 0.266+/-0.000 χ^2/NDF: 1010040028.7/8

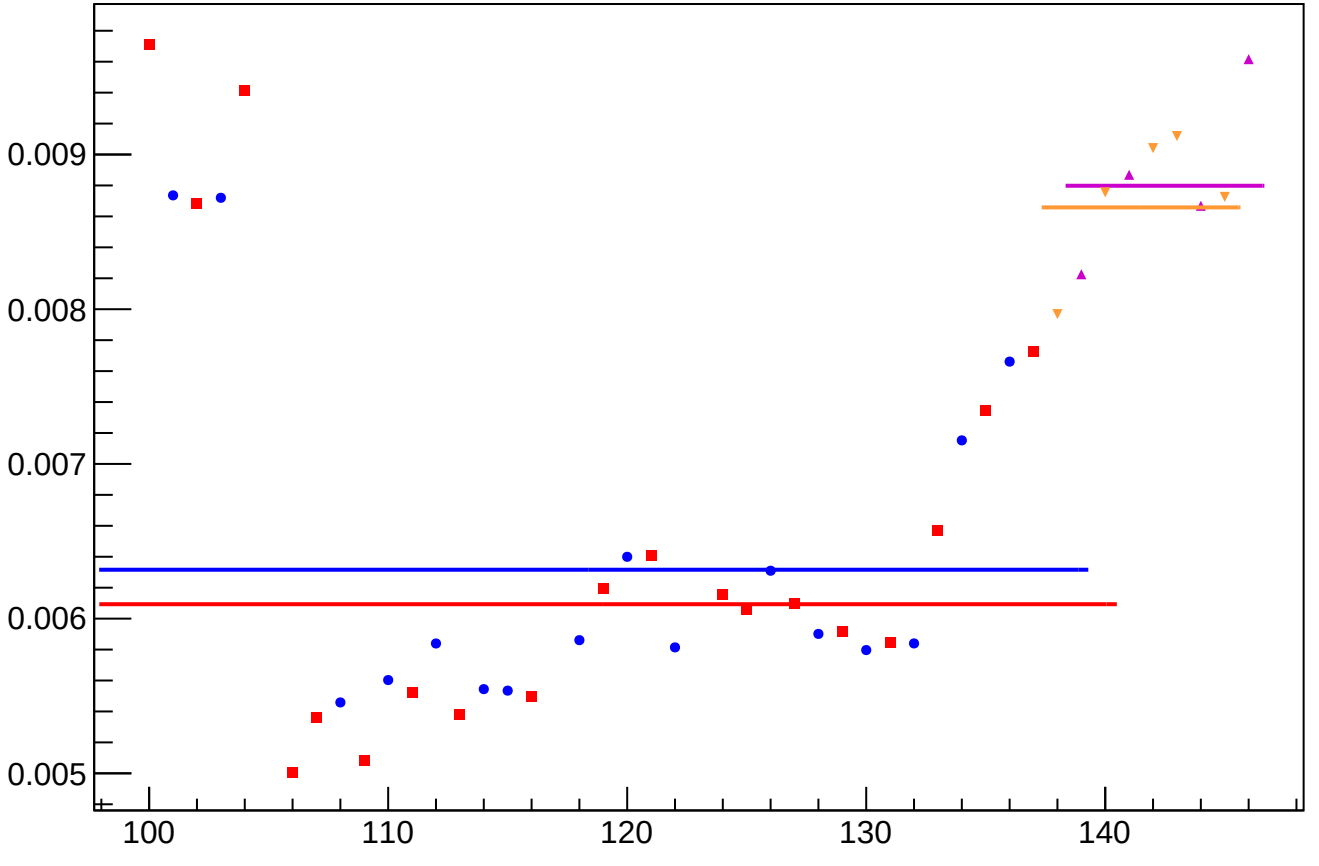
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.786+/-0.000 χ^2/NDF:30762520987.8/19

Out: 0.769+/-0.000 χ^2/NDF:33111859605.9/23

All: 0.777+/-0.000 χ^2/NDF: 63909191406.1/4

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:17475.3/4

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:21513.1/3

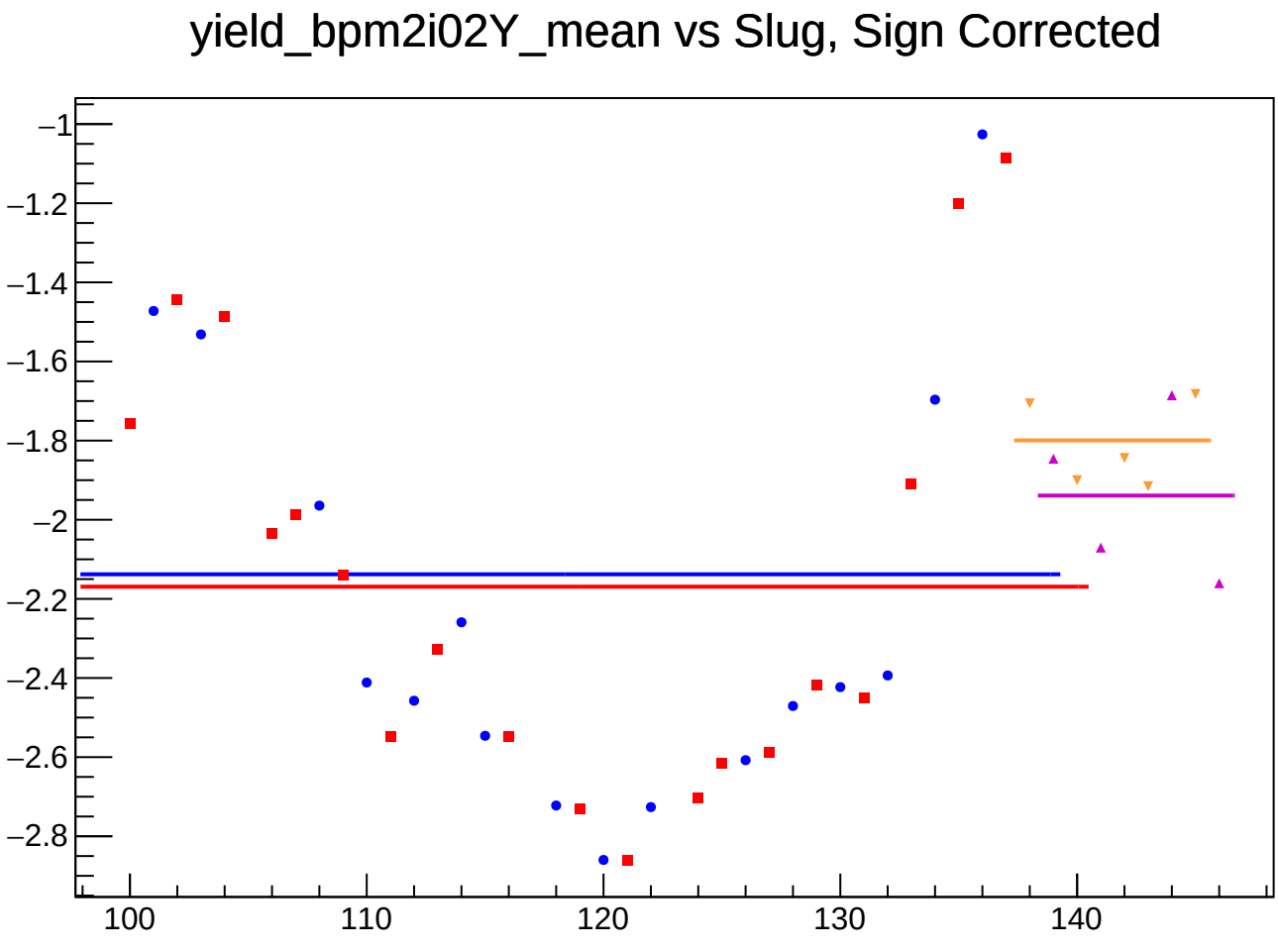
Left: 0.009+/-0.000 χ^2/NDF: 39904.6/8

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:799541.8/19

Out: 0.007+/-0.000 χ^2/NDF:965114.1/23

All: 0.007+/-0.000 χ^2/NDF: 1775805.3/43



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -1.800+/-0.000 χ^2/NDF:664397721.4/4

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -1.939+/-0.000 χ^2/NDF:2063577271.9/3

Left: -1.867+/-0.000 χ^2/NDF: 3330371290.1/8

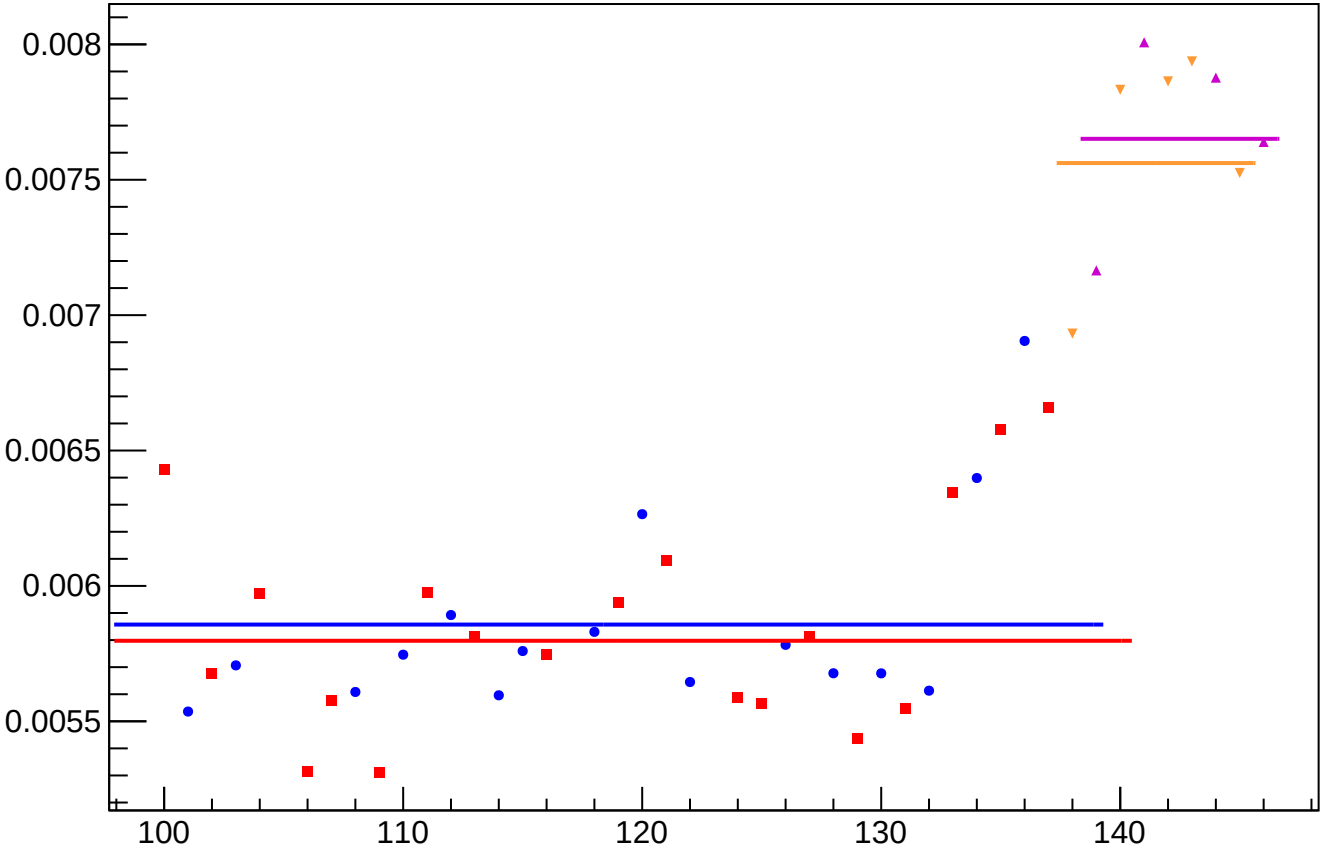
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.094+/-0.000 χ^2/NDF:69577623120.1/19

Out: -2.086+/-0.000 χ^2/NDF:64877629588.1/23

All: -2.090+/-0.000 χ^2/NDF: 134462594597.8

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.008+/-0.000 χ^2/NDF:19780.9/4

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.008+/-0.000 χ^2/NDF:12750.1/3

Left: 0.008+/-0.000 χ^2/NDF: 33027.5/8

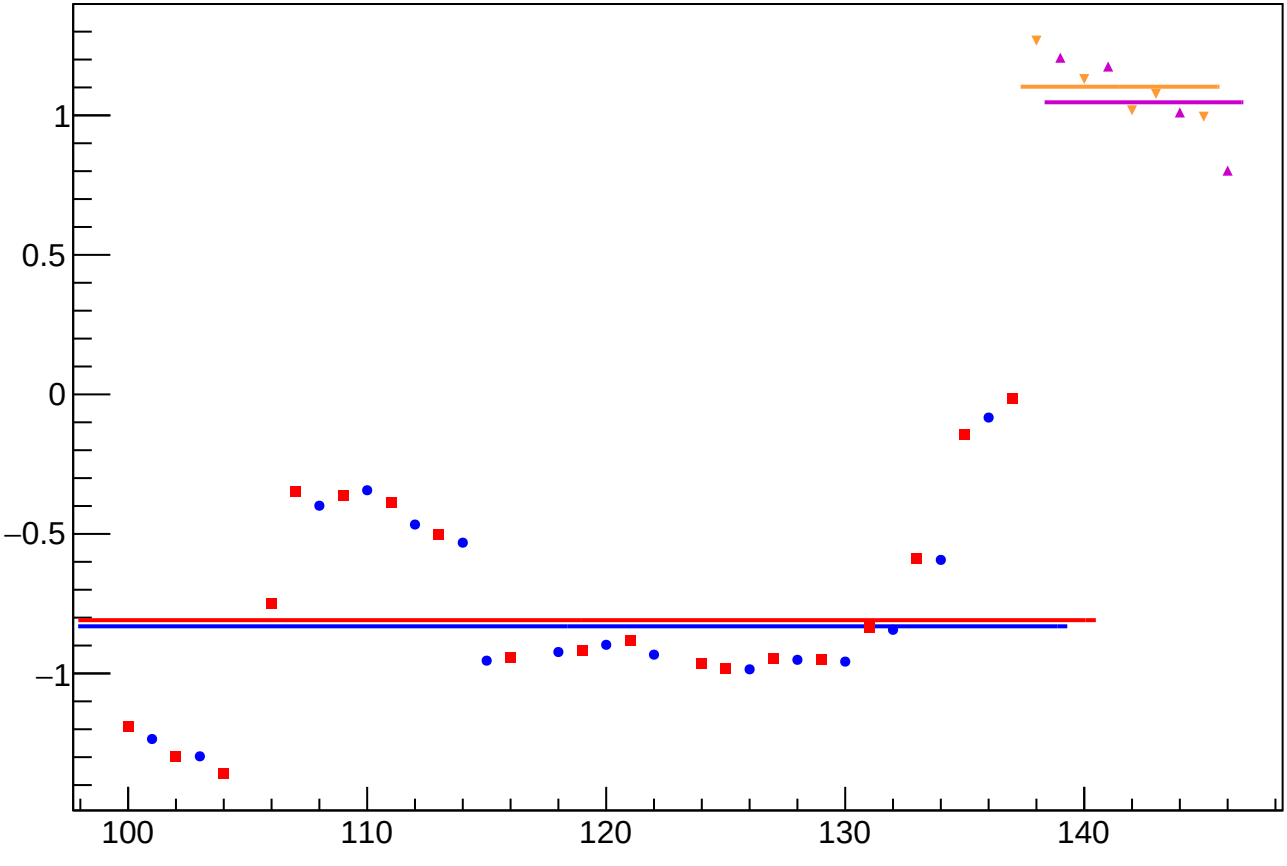
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:375026.3/19

Out: 0.006+/-0.000 χ^2/NDF:386021.7/23

All: 0.006+/-0.000 χ^2/NDF: 762162.4/43

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 1.103+/-0.000 χ^2/NDF:222477327.2/4

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: 1.047+/-0.000 χ^2/NDF:531342854.4/3

Left: 1.075+/-0.000 χ^2/NDF: 789054603.6/8

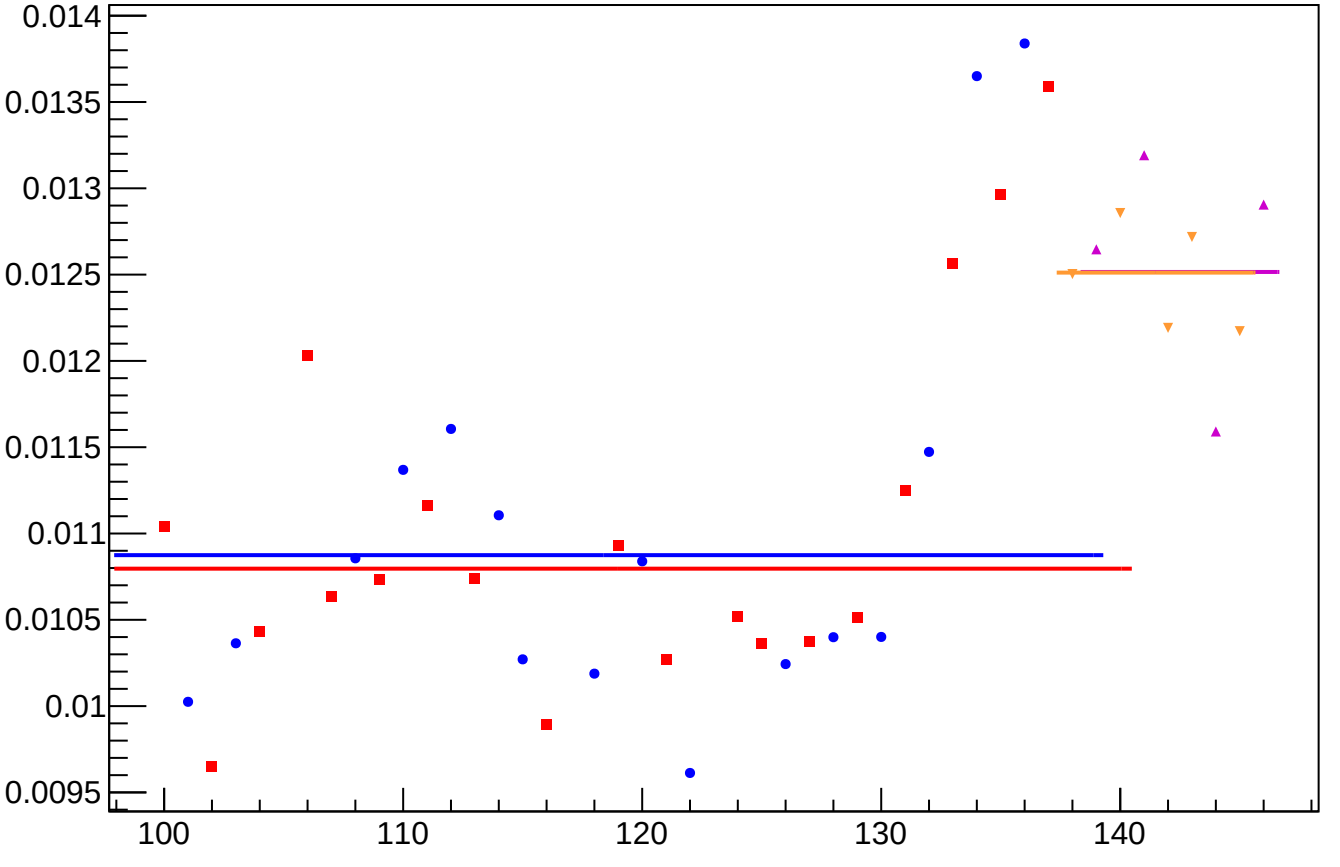
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.324+/-0.000 χ^2/NDF:64280544979.0/19

Out: -0.289+/-0.000 χ^2/NDF:69989851214.0/23

All: -0.306+/-0.000 χ^2/NDF: 134321126600.9

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:3448.9/4

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:17628.2/3

Left: 0.013+/-0.000 χ^2/NDF: 21077.5/8

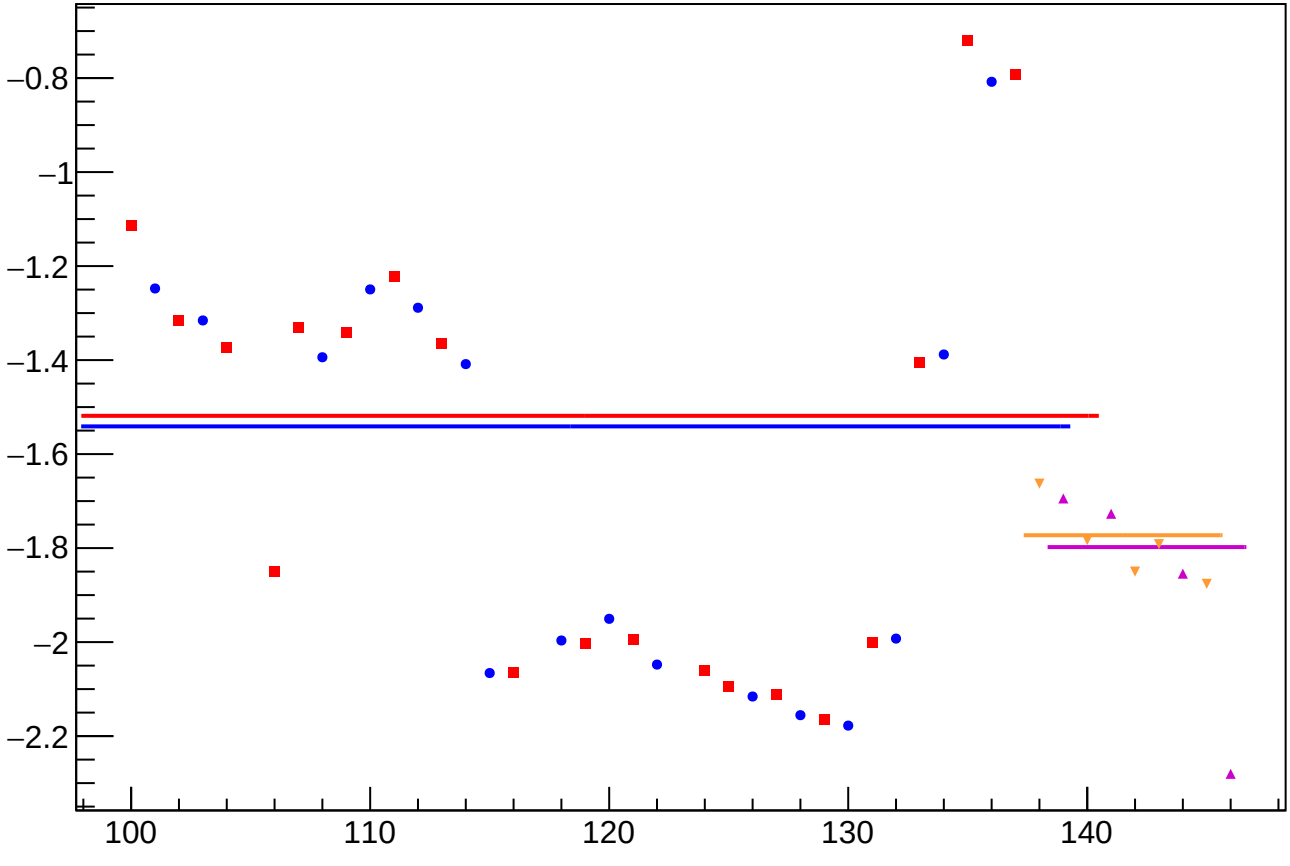
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.011+/-0.000 χ^2/NDF:261706.7/19

Out: 0.011+/-0.000 χ^2/NDF:201782.1/23

All: 0.011+/-0.000 χ^2/NDF: 463739.1/43

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.773+/-0.000 χ^2/NDF:2236026622.1/4

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -1.798+/-0.000 χ^2/NDF:7828905723.2/3

Left: -1.784+/-0.000 χ^2/NDF: 10169997928.4/8

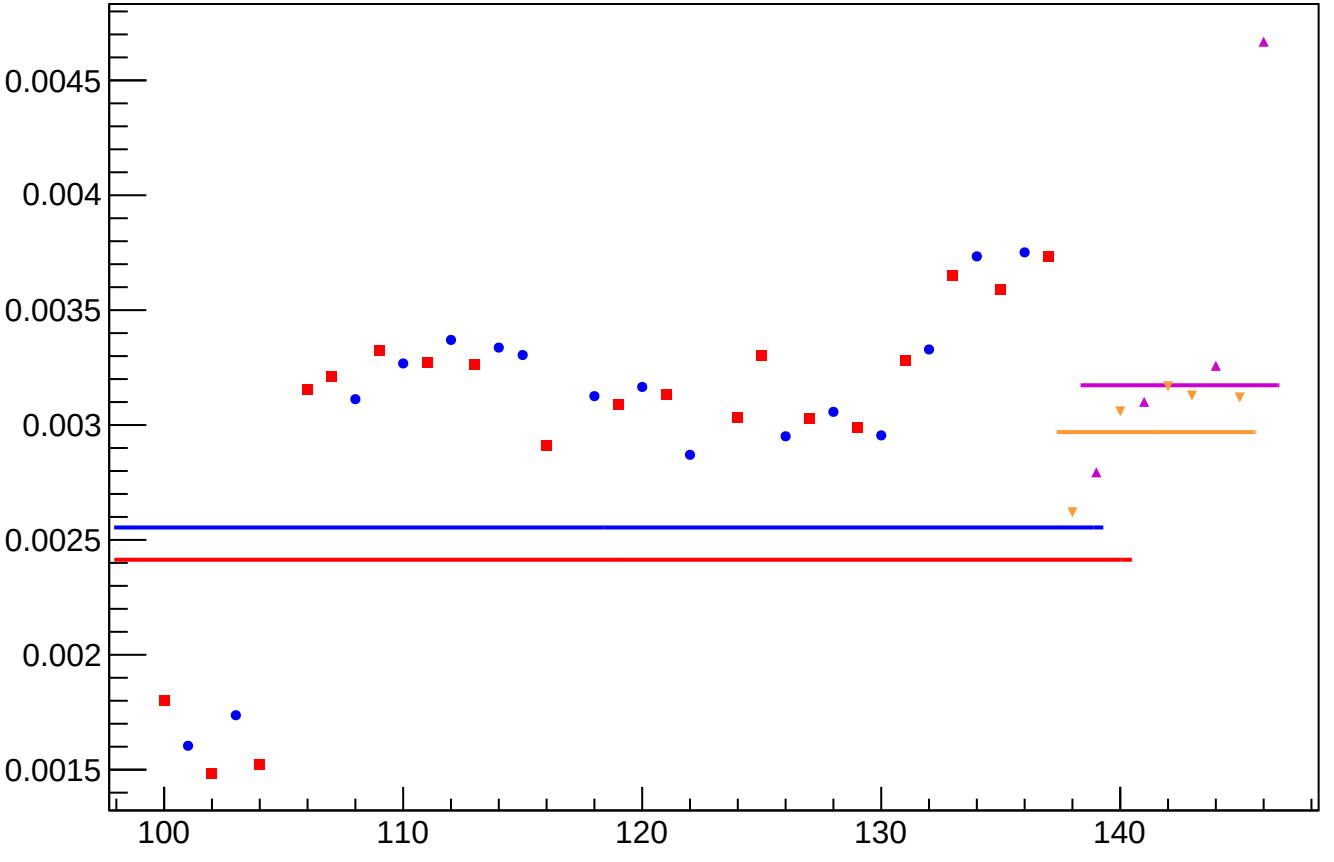
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -1.603+/-0.000 χ^2/NDF:184922214907.7/19

Out: -1.587+/-0.000 χ^2/NDF:165043745694.5/23

All: -1.594+/-0.000 χ^2/NDF: 350121034850.3

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:37785.3/4

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:147704.1/3

Left: 0.003+/-0.000 χ^2/NDF: 199176.6/8

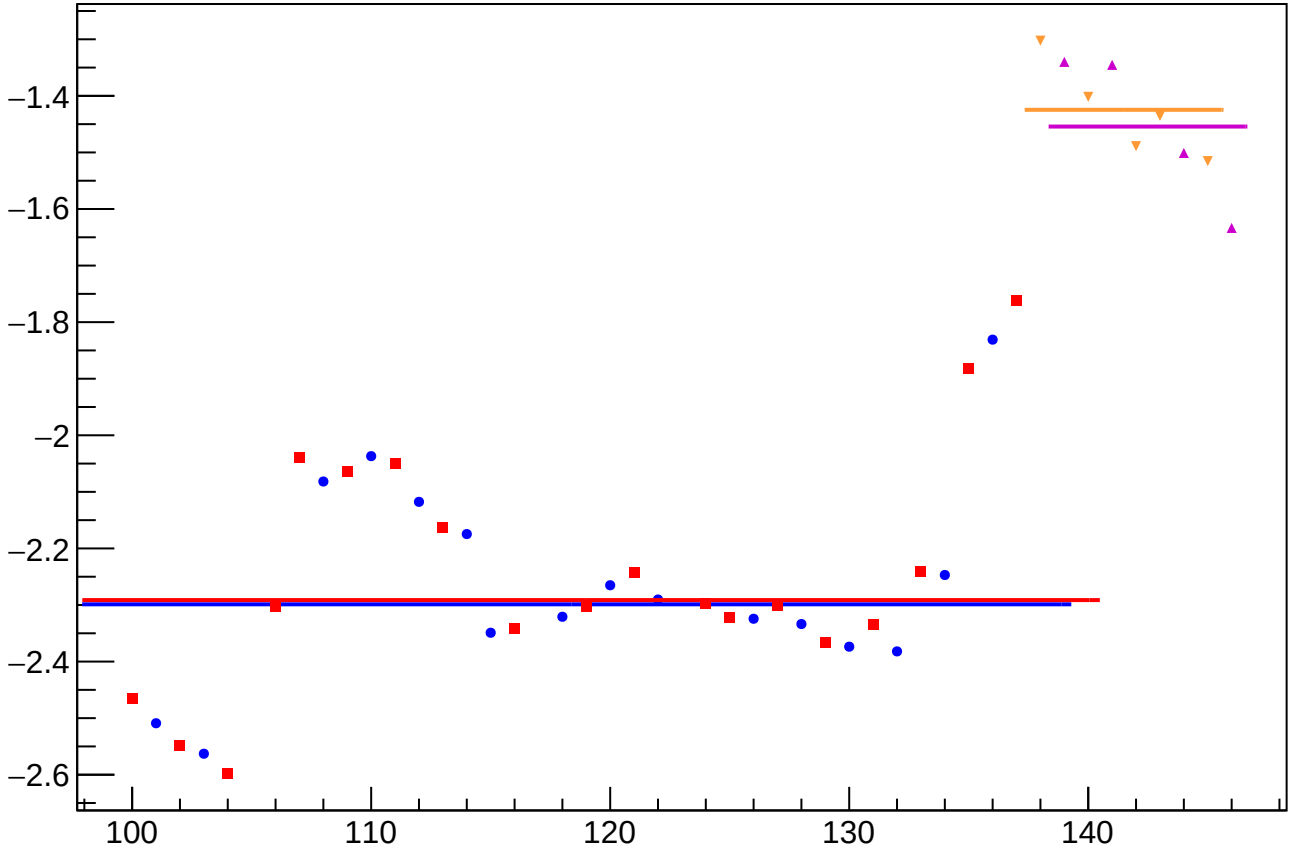
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.003+/-0.000 χ^2/NDF:1490693.1/19

Out: 0.003+/-0.000 χ^2/NDF:1754192.1/23

All: 0.003+/-0.000 χ^2/NDF: 3269965.2/43

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.425+/-0.000 χ^2/NDF:268260281.3/4

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.454+/-0.000 χ^2/NDF:601150045.9/3

Left: -1.439+/-0.000 χ^2/NDF: 889593027.4/8

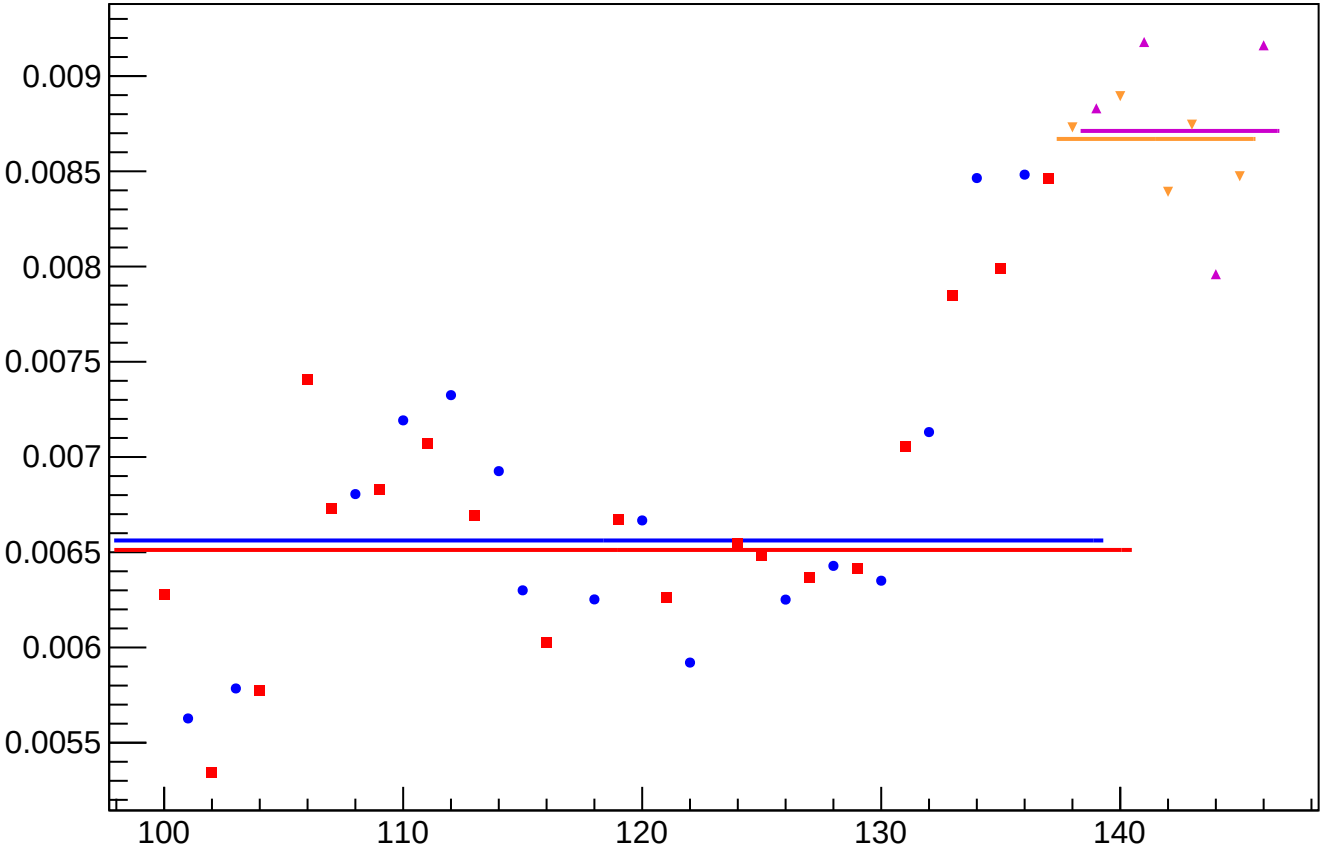
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -2.115+/-0.000 χ^2/NDF:31611077208.9/19

Out: -2.099+/-0.000 χ^2/NDF:35006125539.1/23

All: -2.107+/-0.000 χ^2/NDF: 66645813763.8/

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:3006.1/4

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.009+/-0.000 χ^2/NDF:24390.2/3

Left: 0.009+/-0.000 χ^2/NDF: 27477.7/8

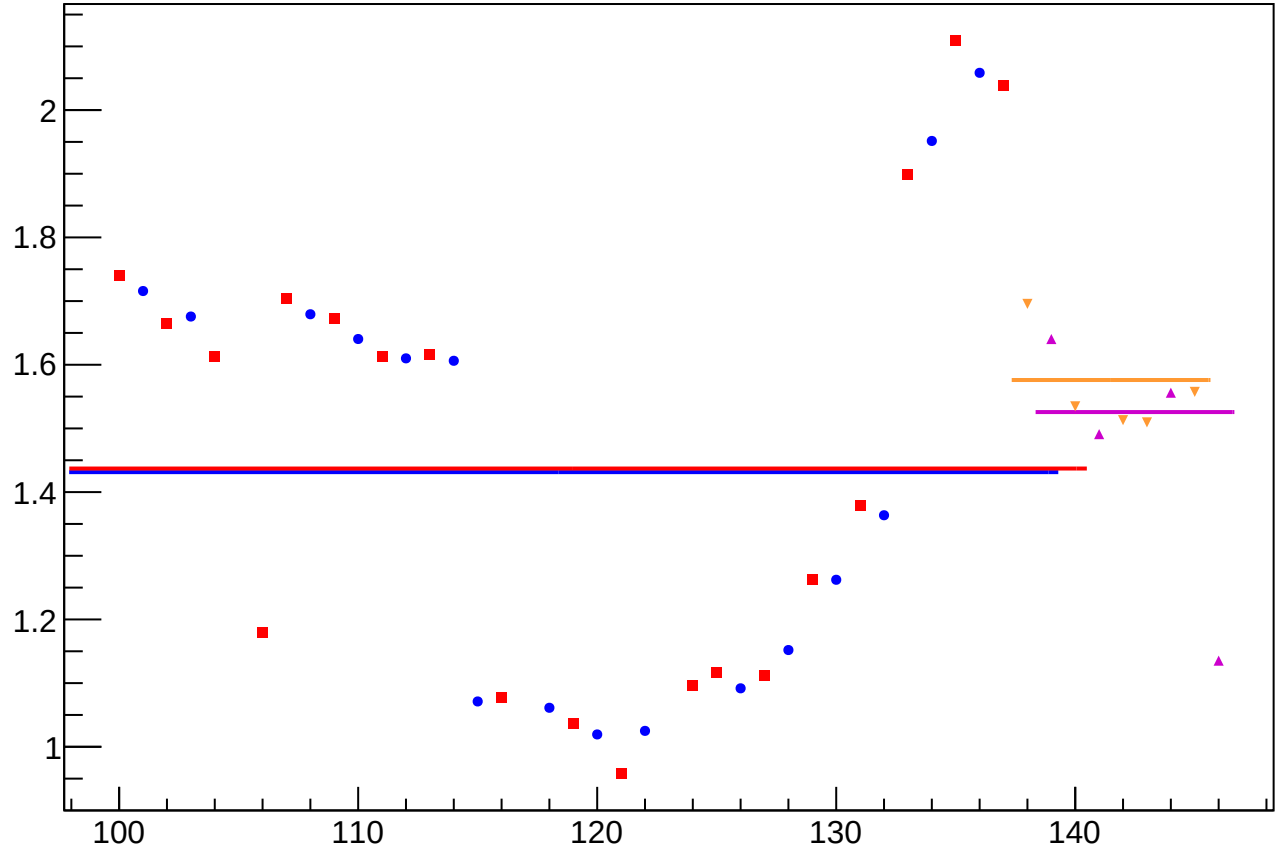
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.007+/-0.000 χ^2/NDF:568832.2/19

Out: 0.007+/-0.000 χ^2/NDF:533977.9/23

All: 0.007+/-0.000 χ^2/NDF: 1103105.8/43

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.576+/-0.000 χ^2/NDF:837076692.7/4

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.526+/-0.000 χ^2/NDF:2360331399.1/3

Left: 1.553+/-0.000 χ^2/NDF: 3359179801.3/8

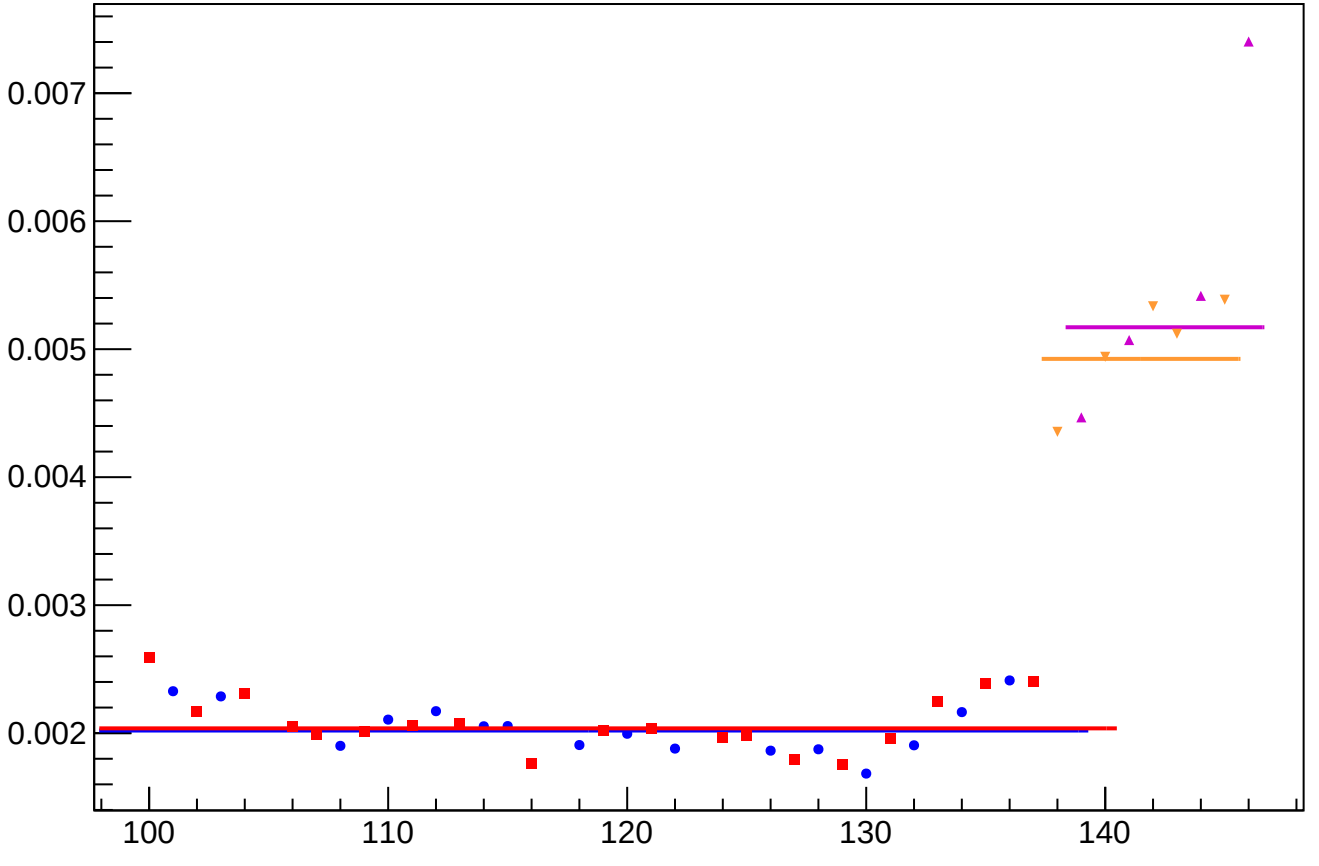
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.438+/-0.000 χ^2/NDF:192502673967.0/19

Out: 1.448+/-0.000 χ^2/NDF:185387023780.6/23

All: 1.443+/-0.000 χ^2/NDF: 377987772098.4

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:43045.9/4

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:159524.8/3

Left: 0.005+/-0.000 χ^2/NDF: 210361.1/8

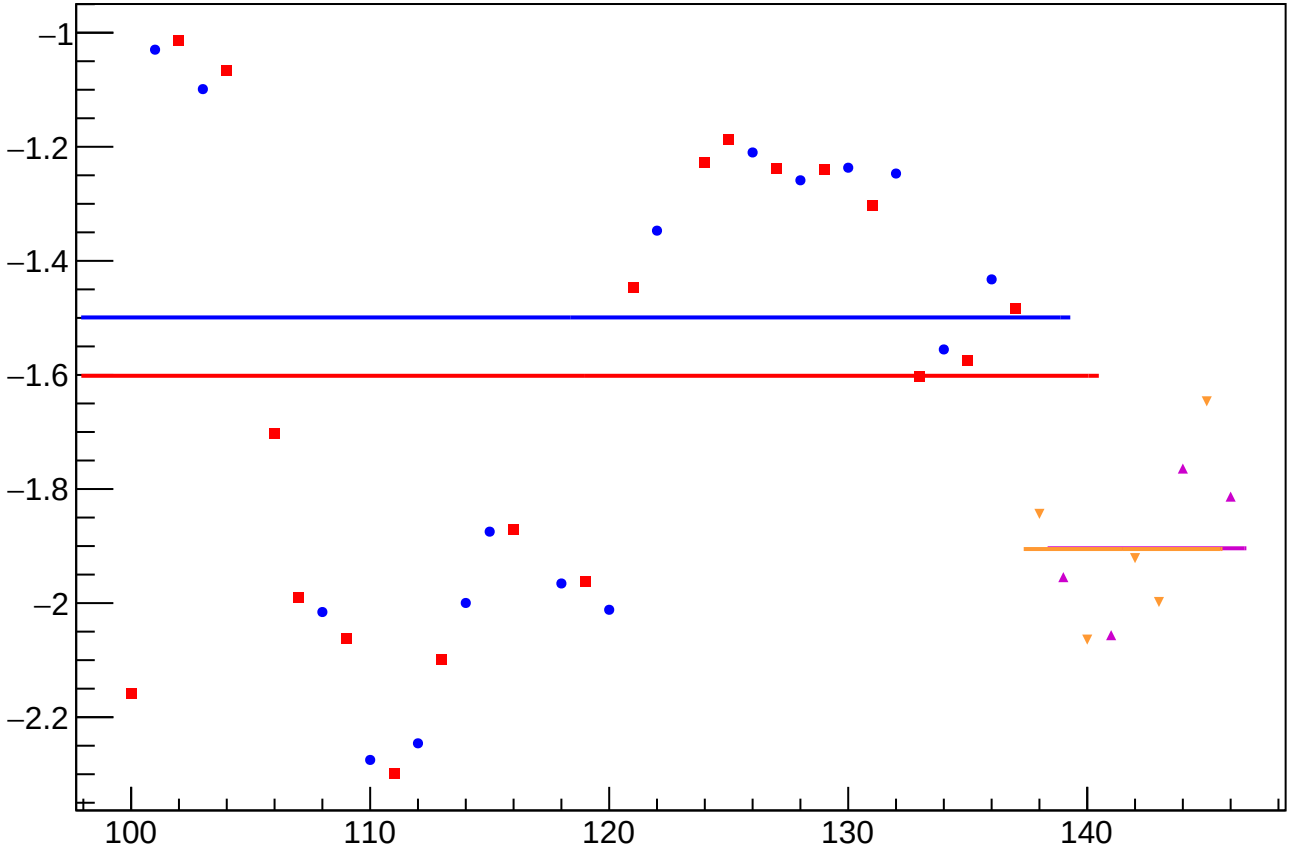
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:2459010.7/19

Out: 0.002+/-0.000 χ^2/NDF:2339174.3/23

All: 0.002+/-0.000 χ^2/NDF: 4800892.0/43

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.905+/-0.000 χ^2/NDF:2495638624.9/4

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.904+/-0.000 χ^2/NDF:1447416171.9/3

Left: -1.905+/-0.000 χ^2/NDF: 3943148409.6/8

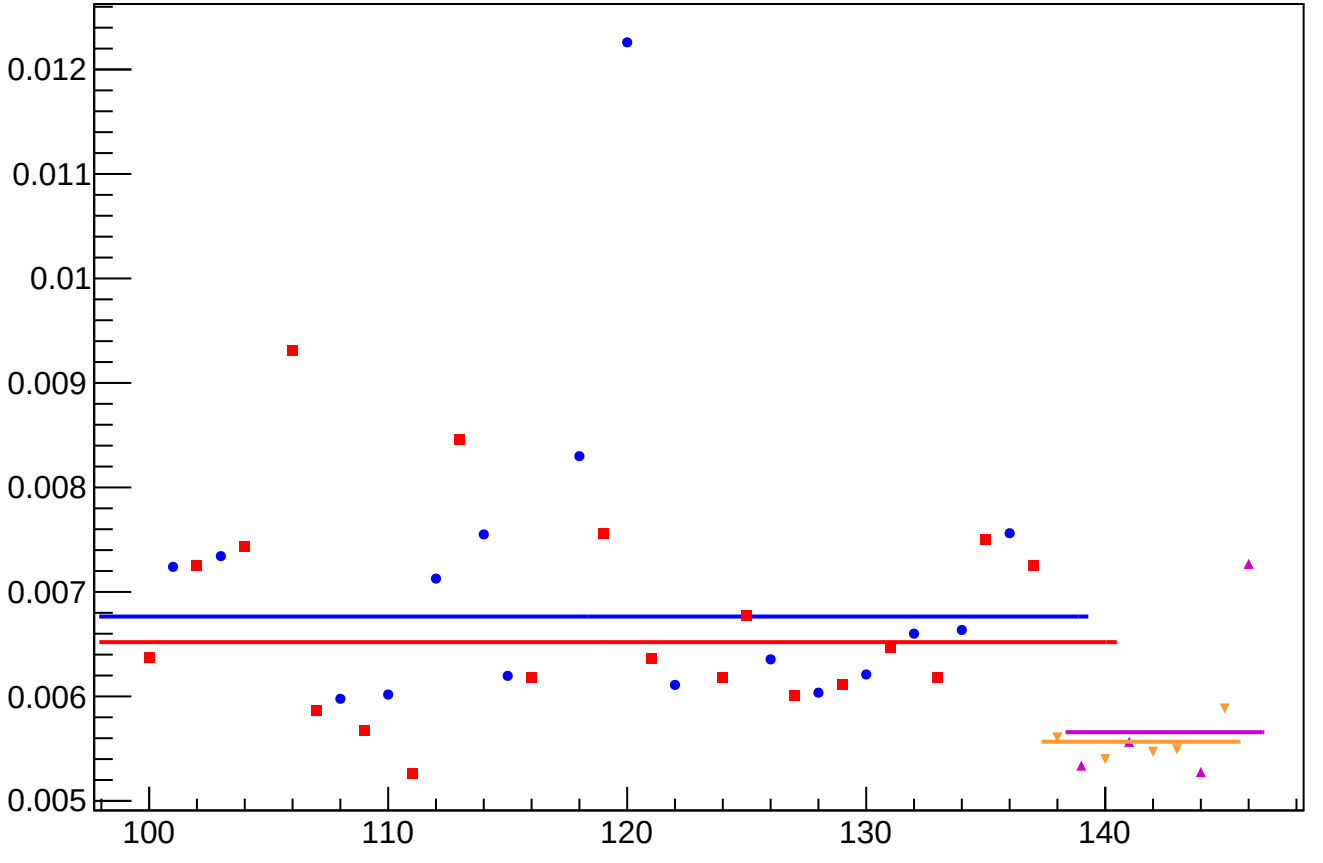
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.669+/-0.000 χ^2/NDF:34120826111.7/19

Out: -1.727+/-0.000 χ^2/NDF:37013201980.5/23

All: -1.700+/-0.000 χ^2/NDF: 71572485640.8/

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:6600.7/4

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:91749.9/3

Left: 0.006+/-0.000 χ^2/NDF: 99257.2/8

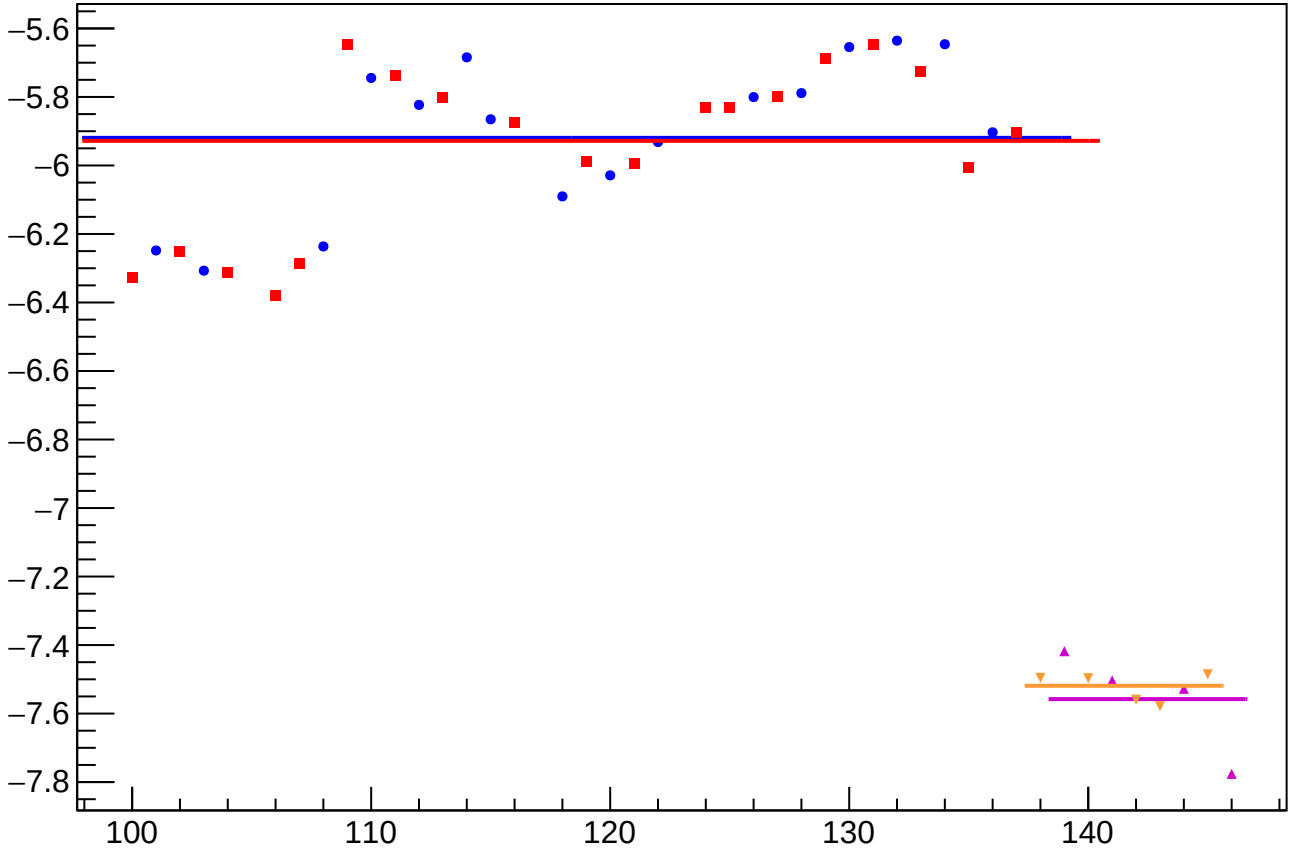
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.006+/-0.000 χ^2/NDF:476073.2/19

Out: 0.006+/-0.000 χ^2/NDF:374019.7/23

All: 0.006+/-0.000 χ^2/NDF: 858048.4/43

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.519+/-0.000 χ^2/NDF:41375358.3/4

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.558+/-0.000 χ^2/NDF:499201721.7/3

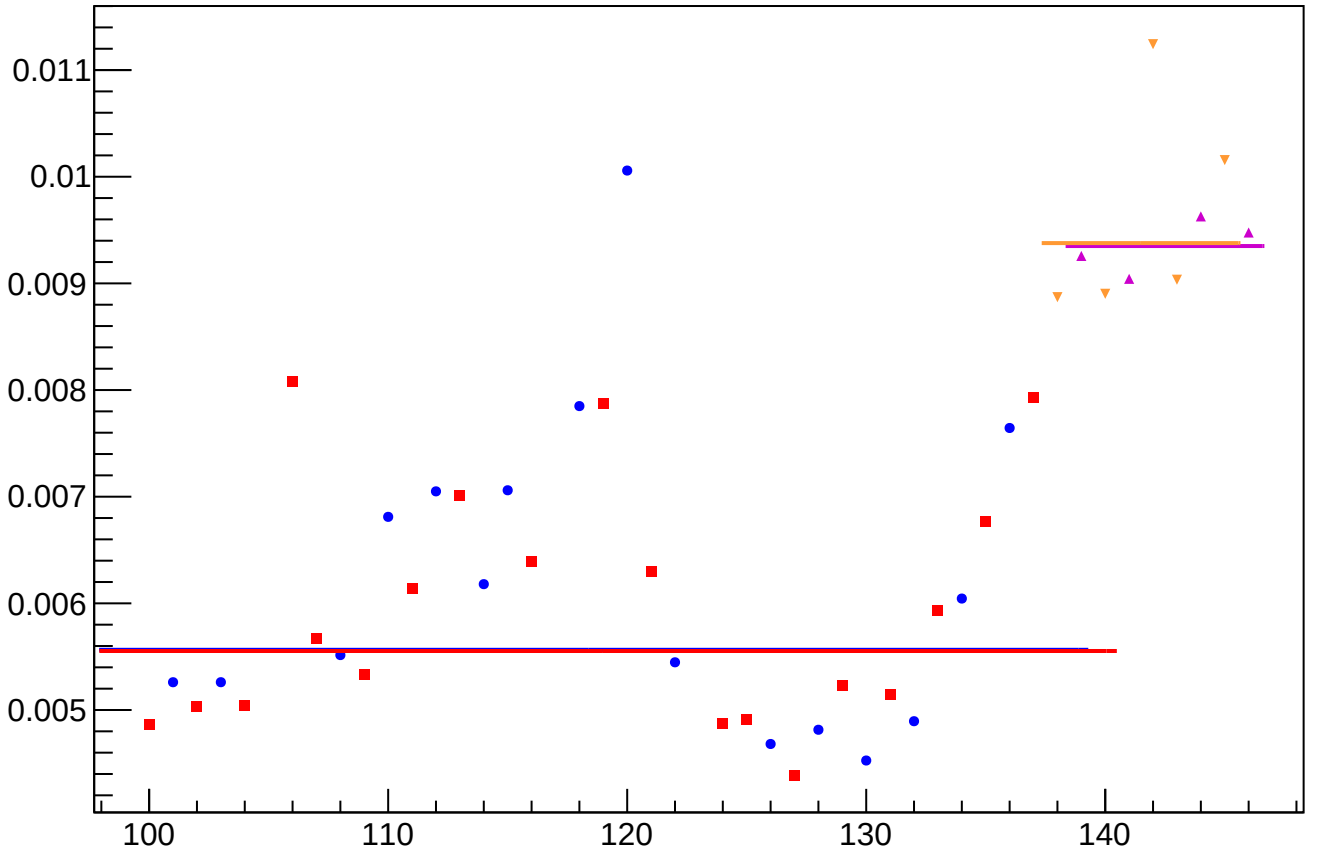
Left: -7.538+/-0.000 χ^2/NDF: 562211110.5/8

Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.125+/-0.000 χ^2/NDF:78934311370.7/19

Out: -6.119+/-0.000 χ^2/NDF:76678994461.4/23

All: -6.122+/-0.000 χ^2/NDF: 155617141955.8



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:32540.3/4

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2849.1/3

Left: 0.009+/-0.000 χ^2/NDF: 35411.1/8

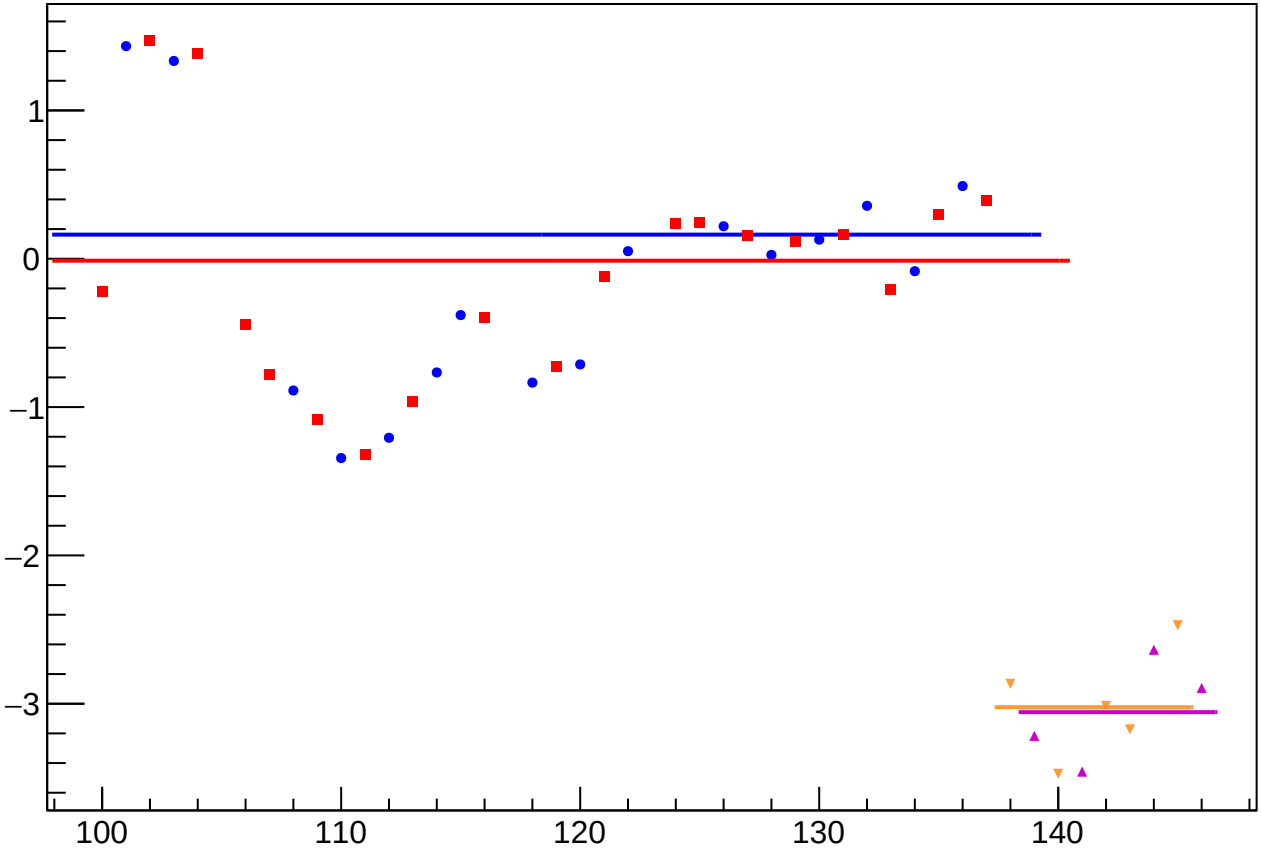
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:1210584.7/19

Out: 0.006+/-0.000 χ^2/NDF:1136929.0/23

All: 0.006+/-0.000 χ^2/NDF: 2347679.4/43

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.023+/-0.000 χ^2/NDF:1256658939.3/4

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.057+/-0.000 χ^2/NDF:1014189242.4/3

Left: -3.039+/-0.000 χ^2/NDF: 2276563742.9/8

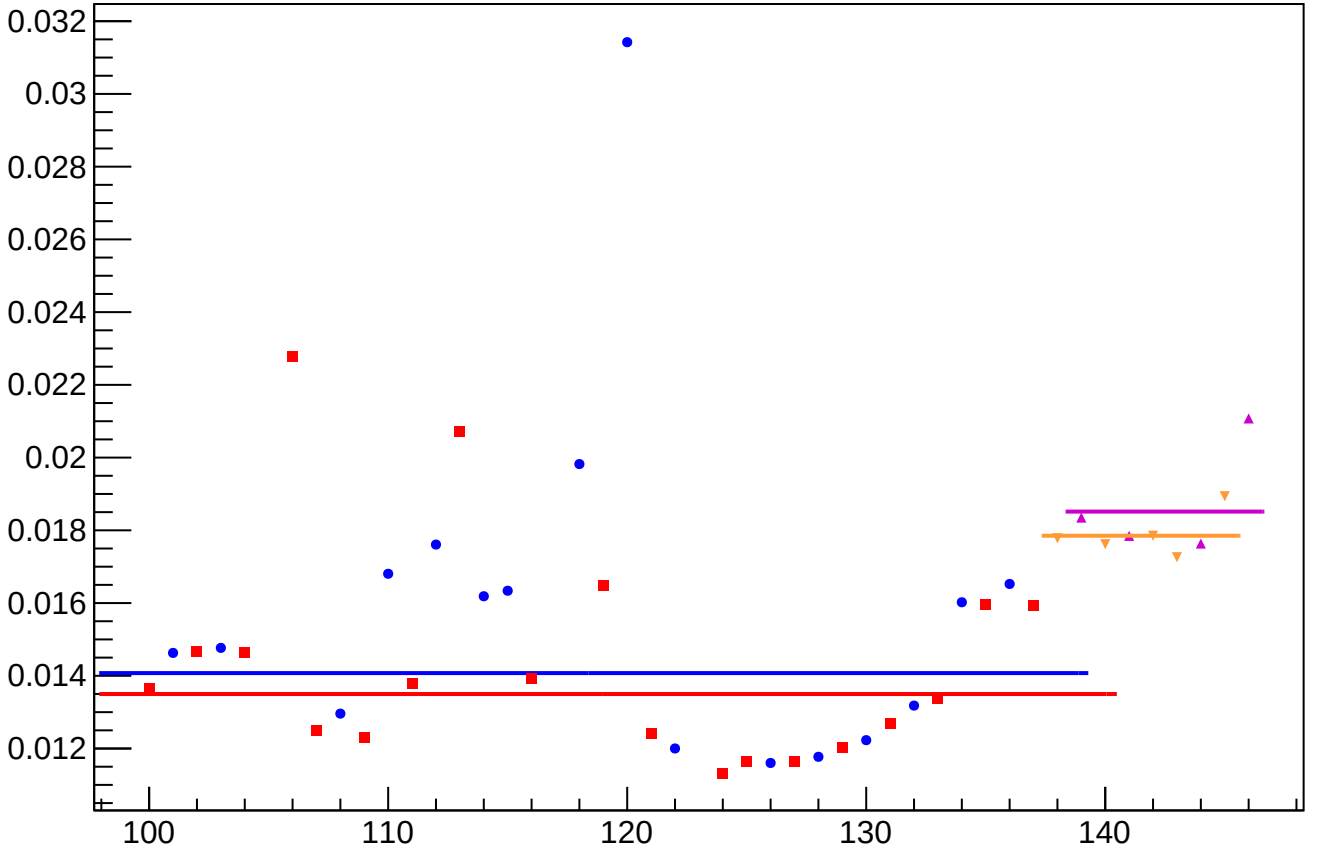
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -0.579+/-0.000 χ^2/NDF:94977767969.6/19

Out: -0.688+/-0.000 χ^2/NDF:99287412311.7/23

All: -0.638+/-0.000 χ^2/NDF: 194528517921.1

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:7004.4/4

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.019+/-0.000 χ^2/NDF:29979.8/3

Left: 0.018+/-0.000 χ^2/NDF: 41435.1/8

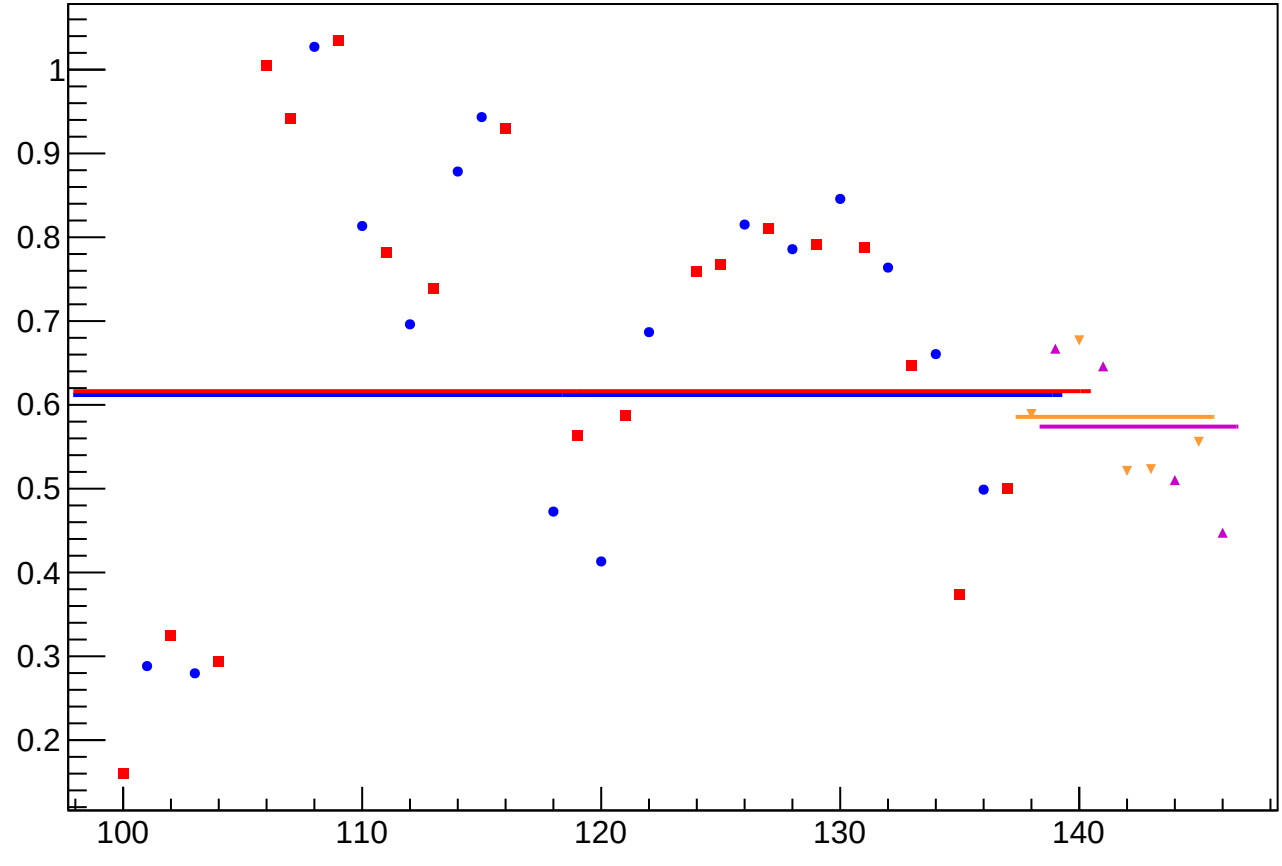
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.015+/-0.000 χ^2/NDF:784702.1/19

Out: 0.014+/-0.000 χ^2/NDF:637765.7/23

All: 0.015+/-0.000 χ^2/NDF: 1439695.1/43

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.586+/-0.000 χ^2/NDF:162278509.6/4

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.574+/-0.000 χ^2/NDF:325640361.0/3

Left: 0.580+/-0.000 χ^2/NDF: 490780310.0/8

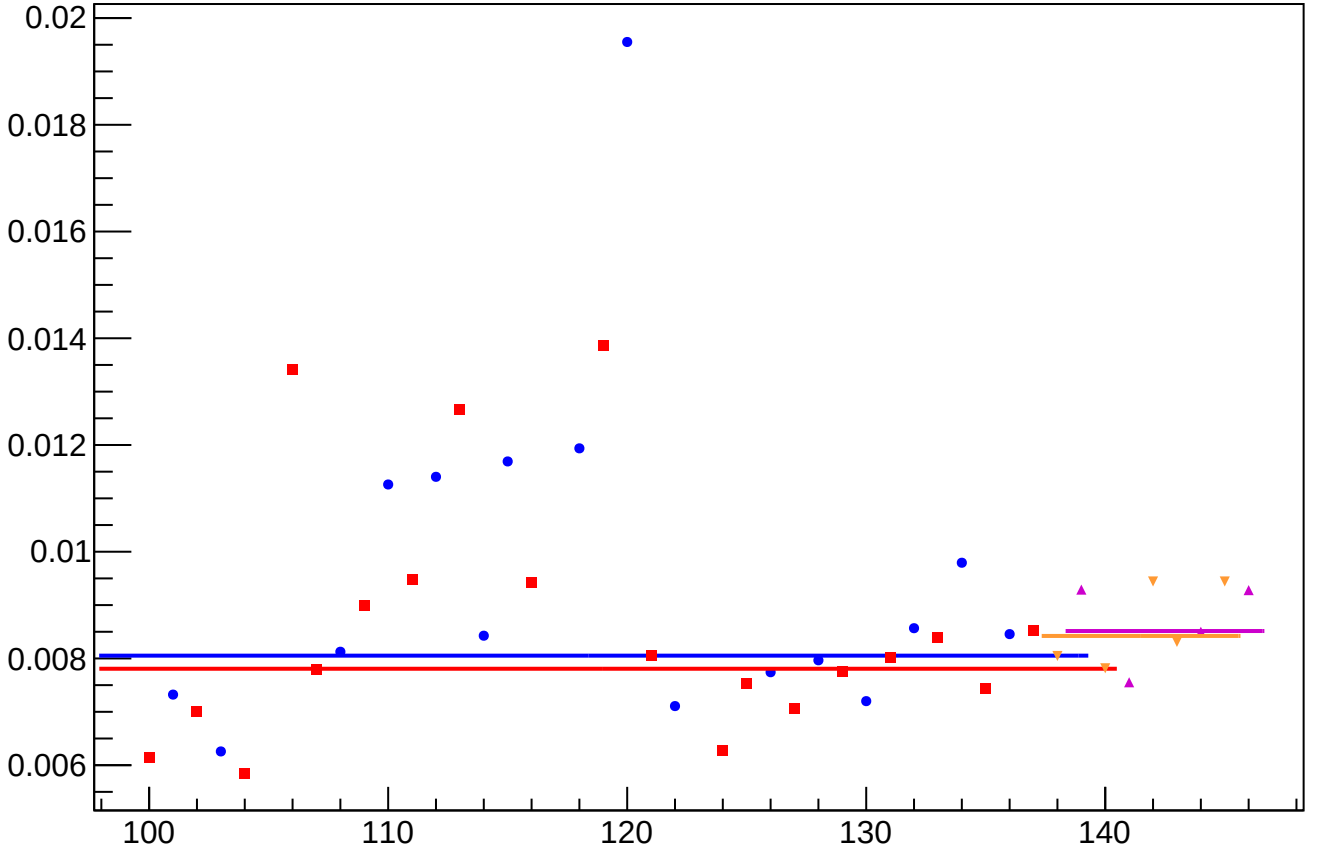
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.600+/-0.000 χ^2/NDF:6005626497.6/19

Out: 0.607+/-0.000 χ^2/NDF:6610615180.0/23

All: 0.604+/-0.000 χ^2/NDF: 12619845809.7/4

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:36217.5/4

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.009+/-0.000 χ^2/NDF:45461.4/3

Left: 0.008+/-0.000 χ^2/NDF: 82040.1/8

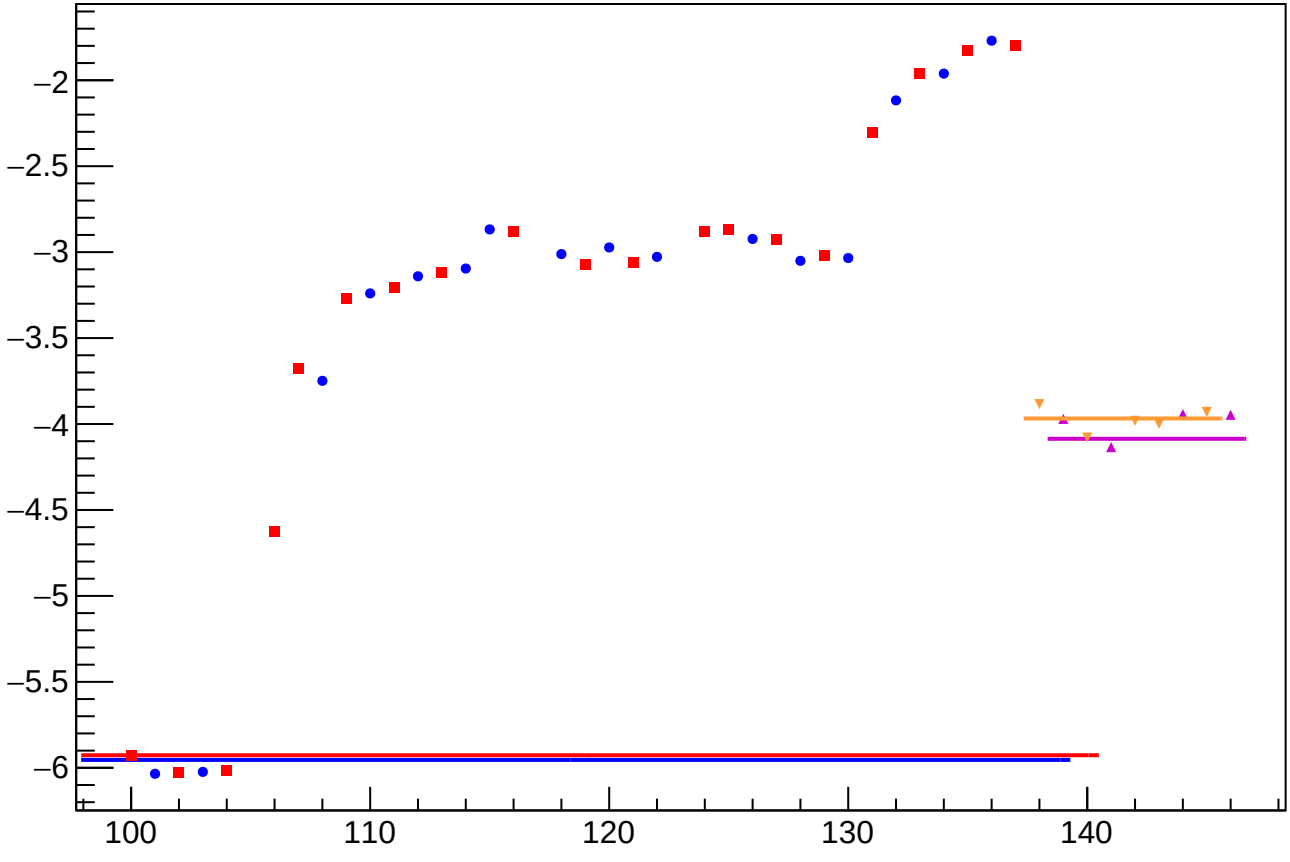
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:656045.8/19

Out: 0.008+/-0.000 χ^2/NDF:646566.0/23

All: 0.008+/-0.000 χ^2/NDF: 1308696.3/43

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -3.968+/-0.000 χ^2/NDF:2330184.4/4

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.086+/-0.000 χ^2/NDF:6013821.1/3

Left: -4.044+/-0.000 χ^2/NDF: 12929555.9/8

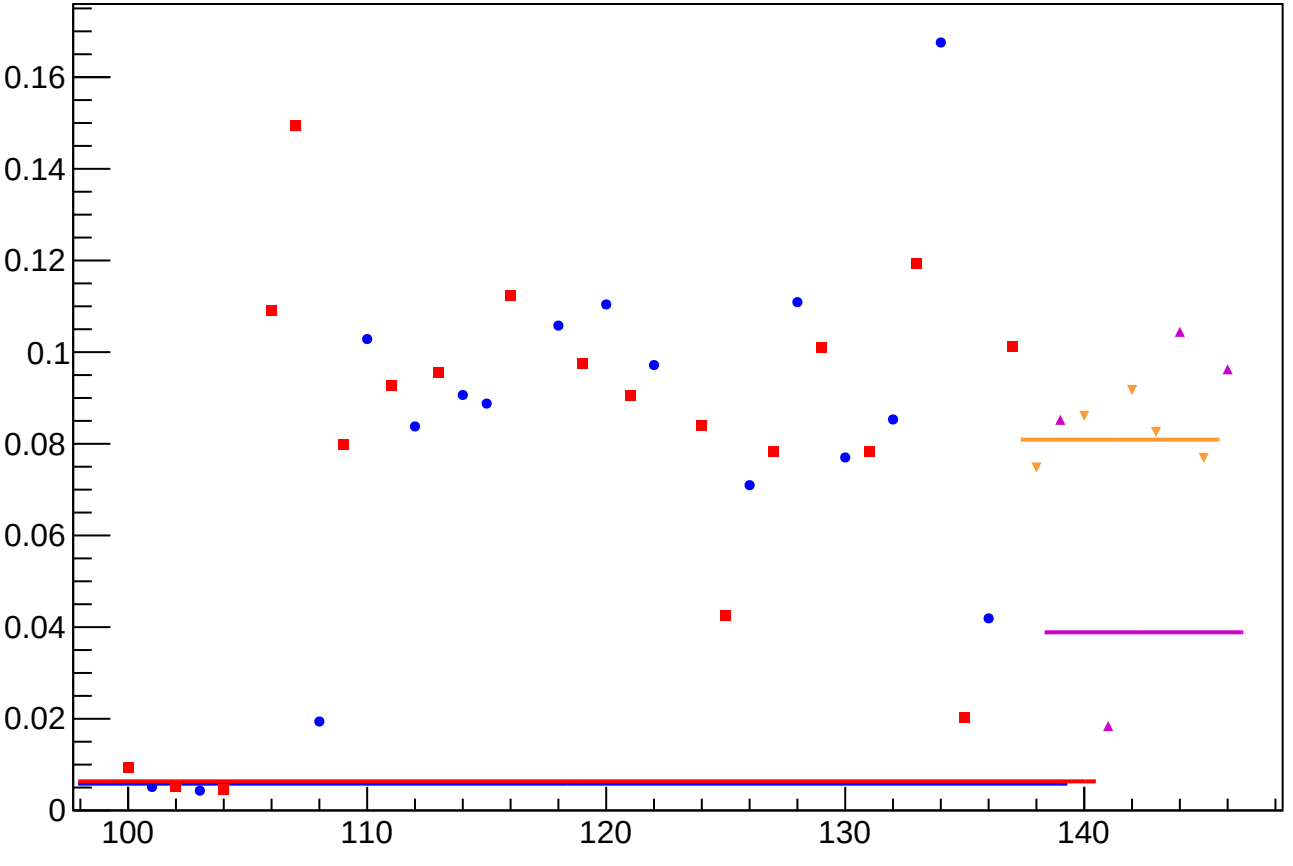
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.921+/-0.000 χ^2/NDF:16292770755.9/19

Out: -5.904+/-0.000 χ^2/NDF:15853219729.4/23

All: -5.913+/-0.000 χ^2/NDF: 32153079307.5/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.081+/-0.000 χ^2/NDF:30579.8/4

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.039+/-0.000 χ^2/NDF:2158450.8/3

Left: 0.054+/-0.000 χ^2/NDF: 3350712.9/8

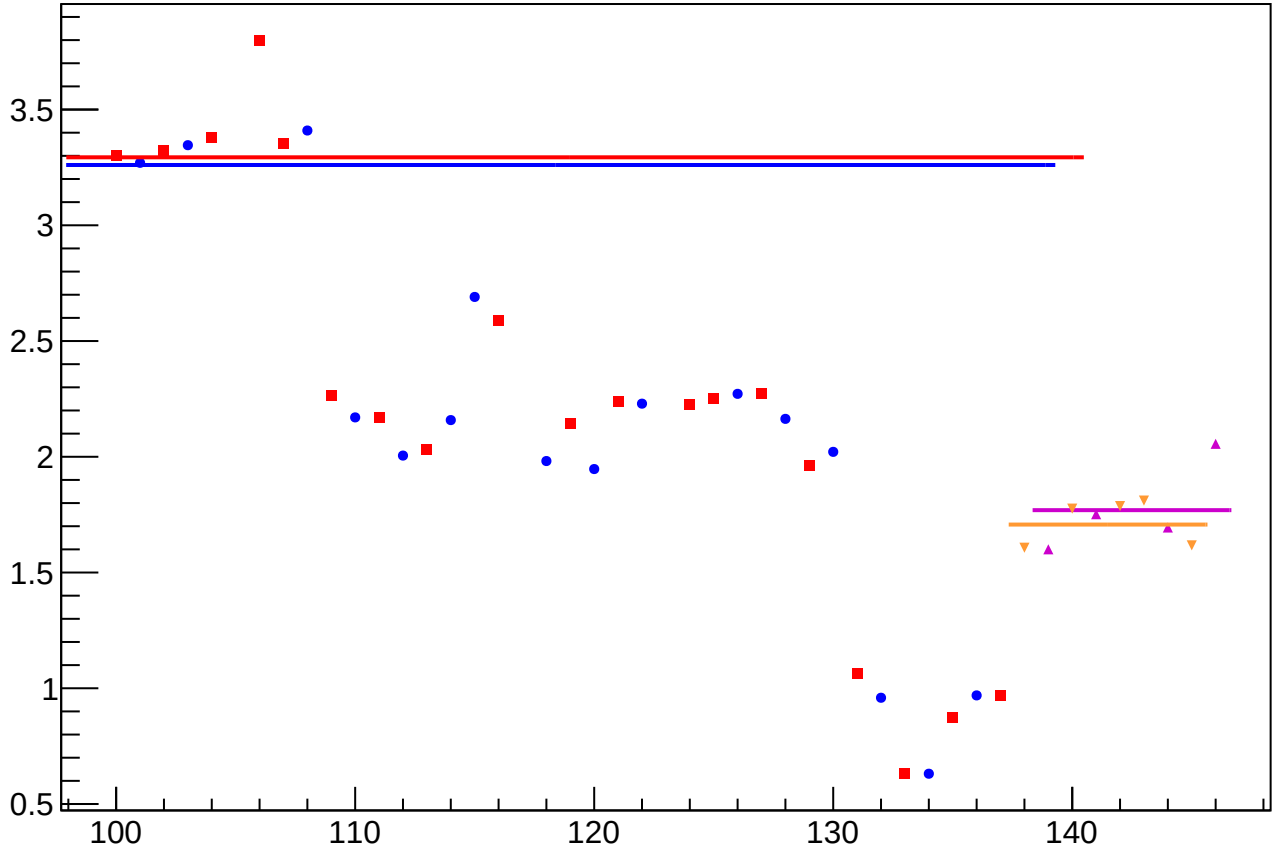
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.006+/-0.000 χ^2/NDF:12850812.3/19

Out: 0.007+/-0.000 χ^2/NDF:14367885.3/23

All: 0.007+/-0.000 χ^2/NDF: 27248938.0/43

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.707+/-0.000 χ^2/NDF:3596019.3/4

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.769+/-0.000 χ^2/NDF:8822787.7/3

Left: 1.740+/-0.000 χ^2/NDF: 13289576.8/8

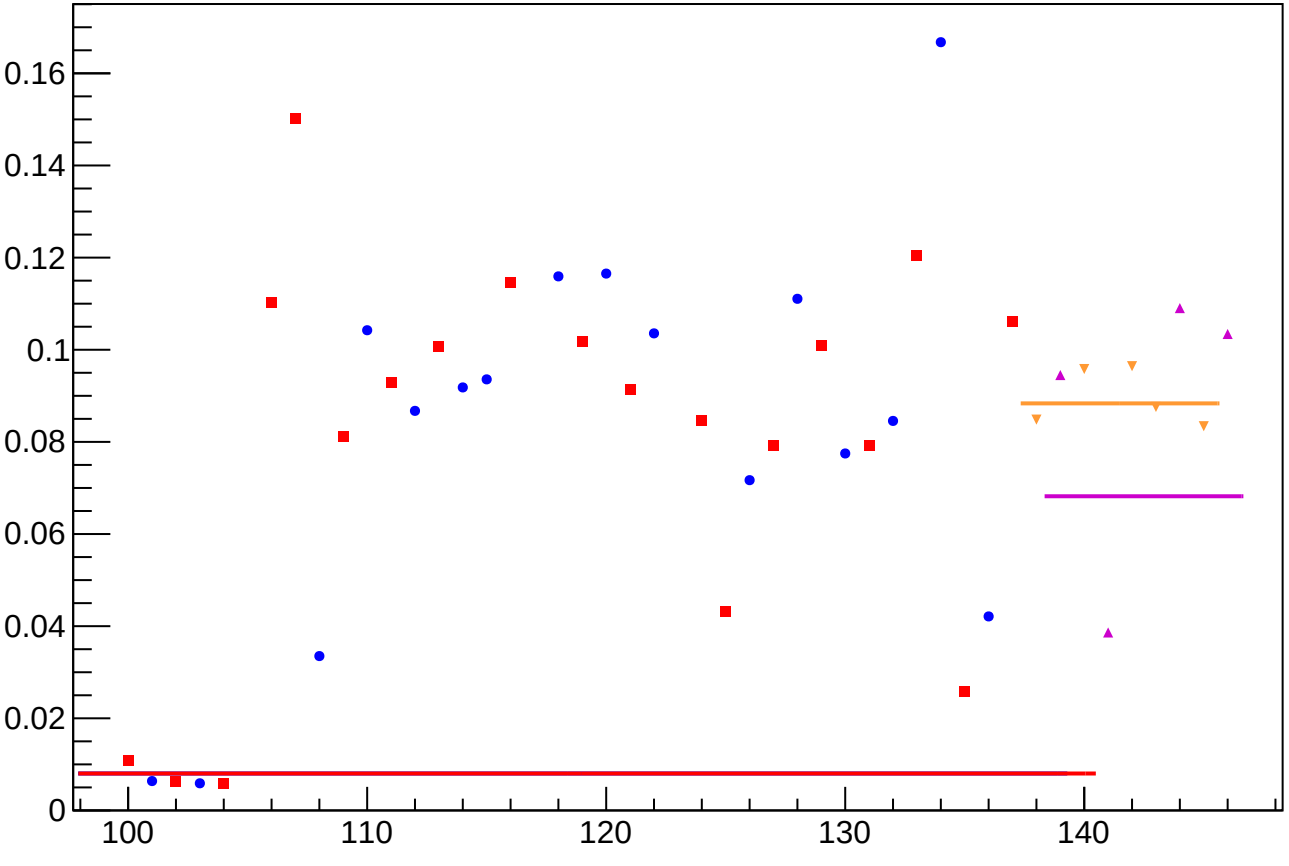
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.238+/-0.000 χ^2/NDF:4045551108.4/19

Out: 3.271+/-0.000 χ^2/NDF:4317949978.7/23

All: 3.254+/-0.000 χ^2/NDF: 8379448073.6/43

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.088+/-0.000 χ^2/NDF:22691.8/4

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.068+/-0.000 χ^2/NDF:958378.3/3

Left: 0.078+/-0.000 χ^2/NDF: 1163727.2/8

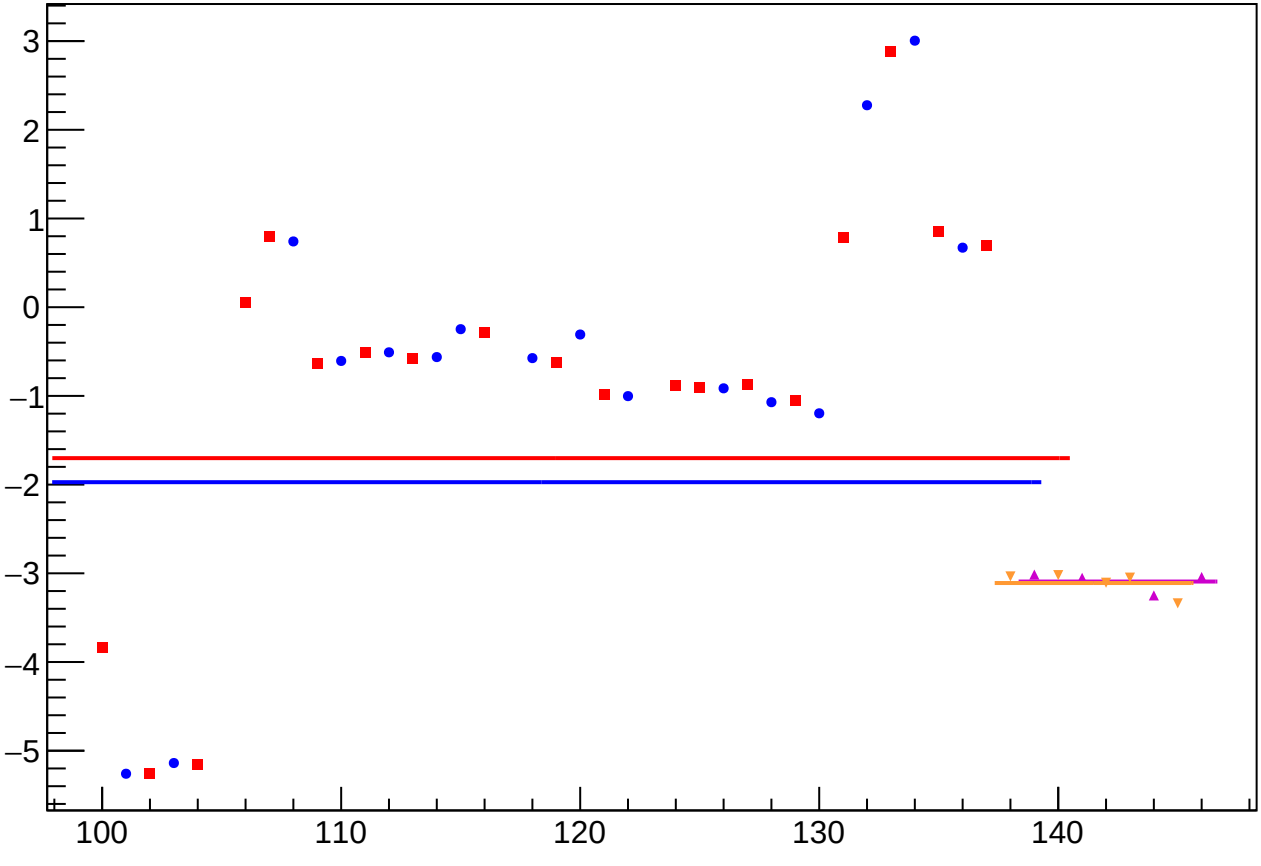
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.009+/-0.000 χ^2/NDF:12719847.4/19

Out: 0.009+/-0.000 χ^2/NDF:14055593.1/23

All: 0.009+/-0.000 χ^2/NDF: 26777641.9/43

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.109+/-0.000 χ^2/NDF:886174437.2/4

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -3.093+/-0.000 χ^2/NDF:503874109.6/3

Left: -3.101+/-0.000 χ^2/NDF: 1397906182.1/8

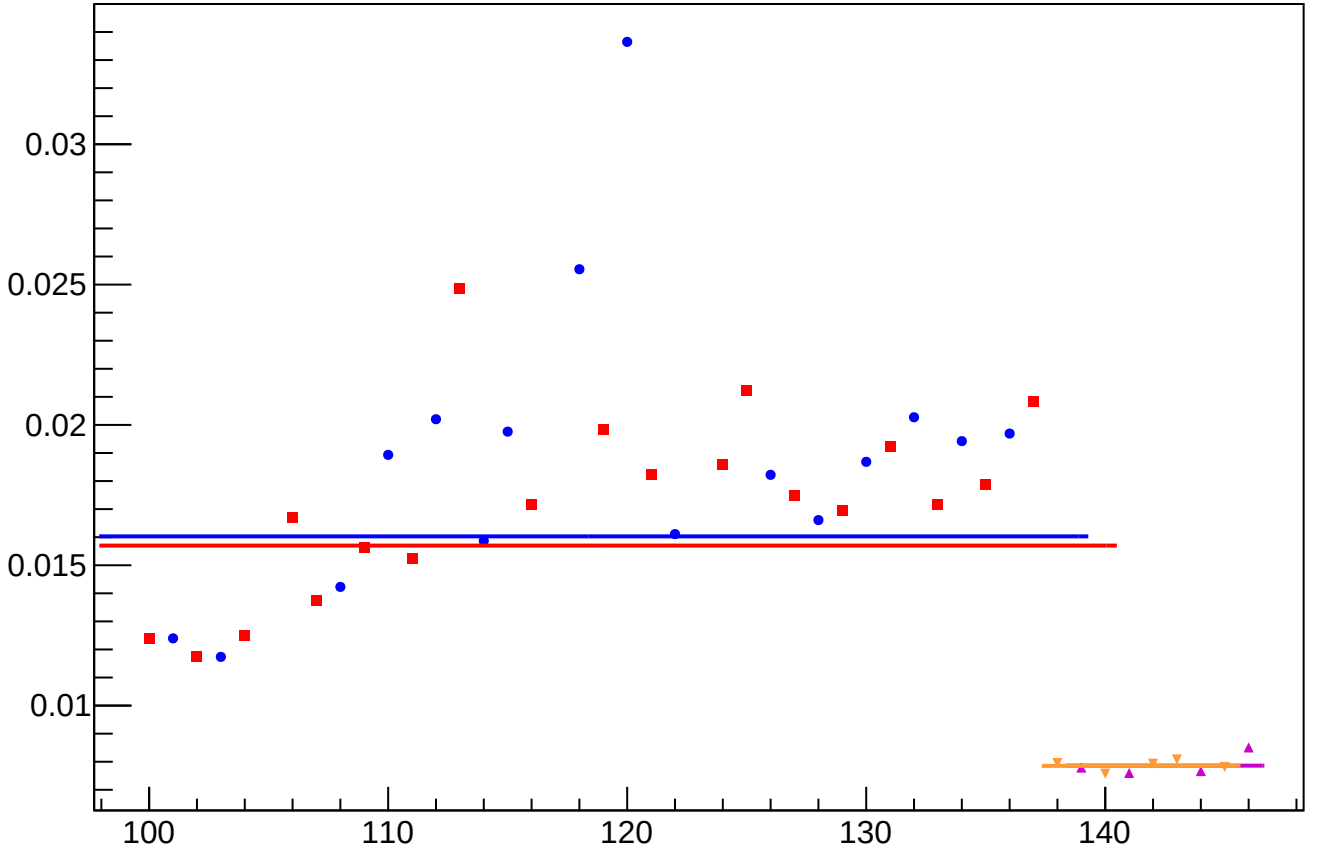
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.767+/-0.000 χ^2/NDF:182629594360.7/19

Out: -2.672+/-0.000 χ^2/NDF:204350855851.4/23

All: -2.718+/-0.000 χ^2/NDF: 387338566516.9

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:3818.6/4

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:13276.2/3

Left: 0.008+/-0.000 χ^2/NDF: 17099.1/8

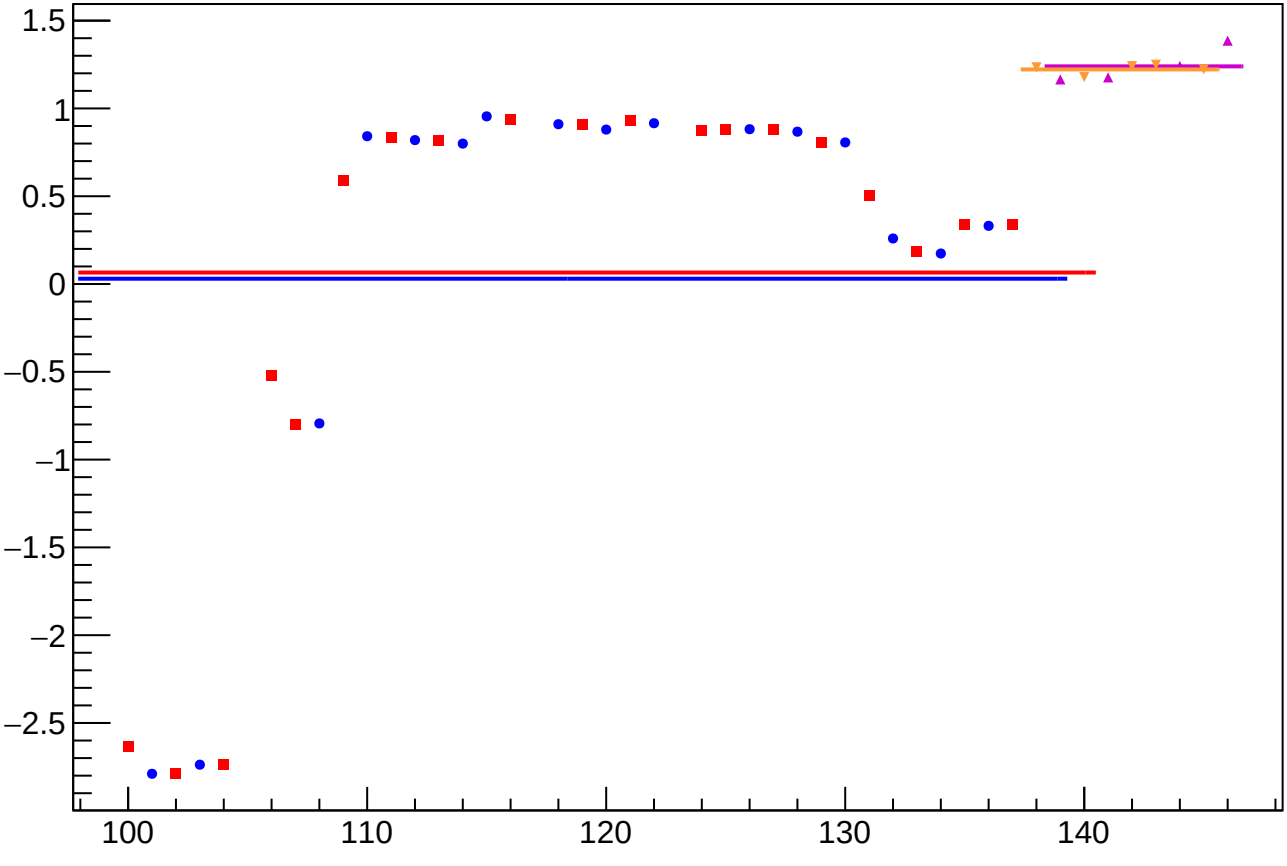
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.010+/-0.000 χ^2/NDF:2892492.8/19

Out: 0.010+/-0.000 χ^2/NDF:2703054.0/23

All: 0.010+/-0.000 χ^2/NDF: 5595750.9/43

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.222+/-0.000 χ^2/NDF:32587384.1/4

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 1.240+/-0.000 χ^2/NDF:333245511.5/3

Left: 1.231+/-0.000 χ^2/NDF: 372729294.0/8

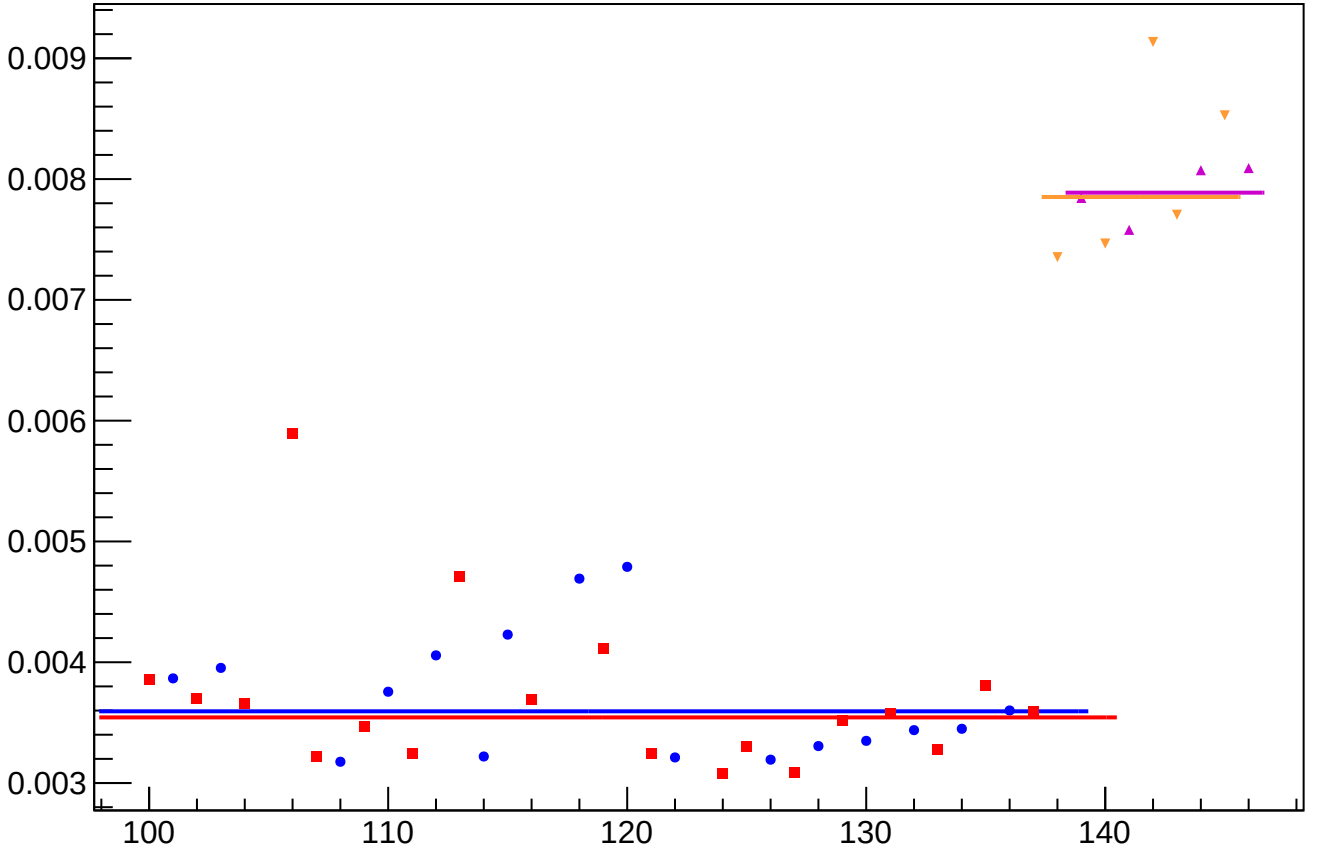
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.126+/-0.000 χ^2/NDF:912364356601.3/19

Out: 0.154+/-0.000 χ^2/NDF:992703918286.8/23

All: 0.140+/-0.000 χ^2/NDF: 1905291694530.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:31652.1/4

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:4019.3/3

Left: 0.008+/-0.000 χ^2/NDF: 35730.1/8

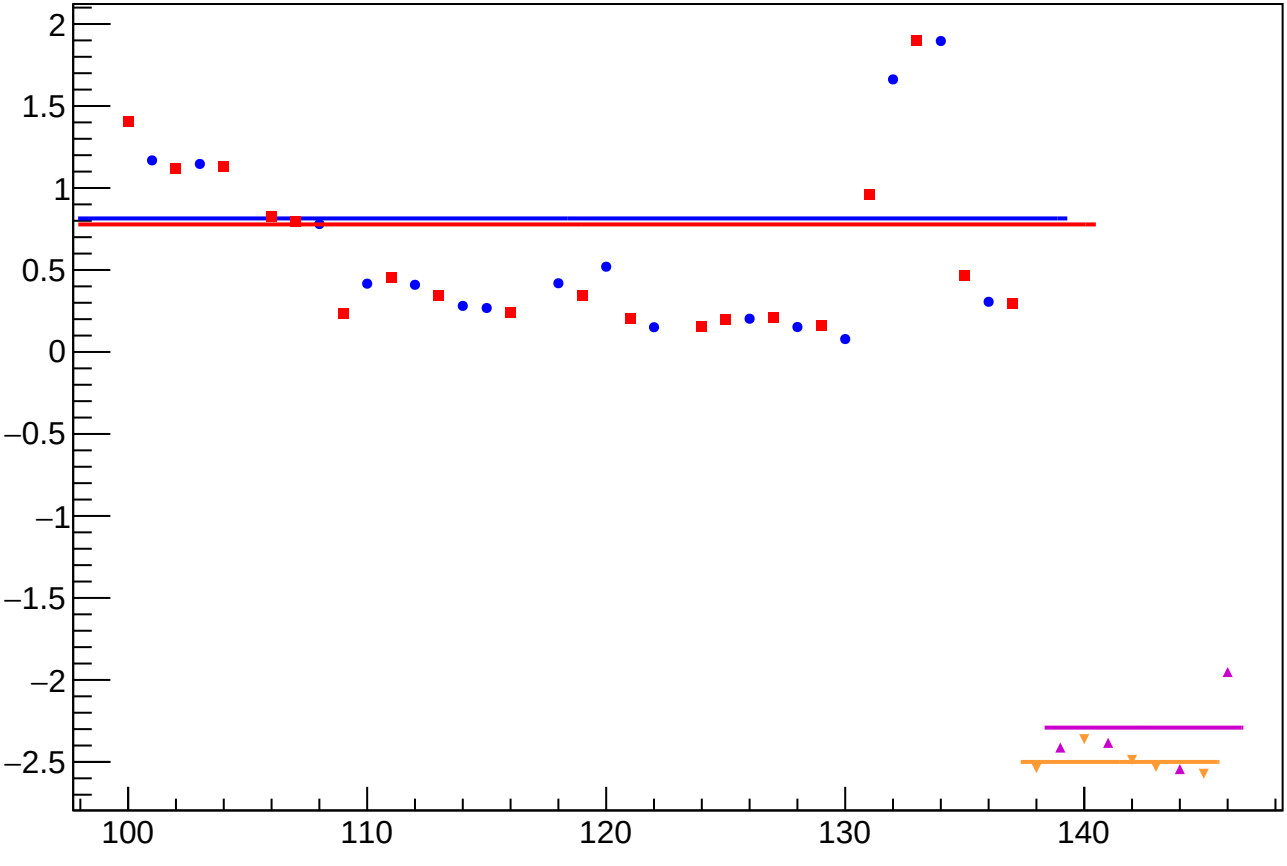
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:1706206.8/19

Out: 0.004+/-0.000 χ^2/NDF:1842880.8/23

All: 0.004+/-0.000 χ^2/NDF: 3551294.5/43

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -2.500+/-0.000 χ^2/NDF:344310963.6/4

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -2.291+/-0.000 χ^2/NDF:3391664809.1/3

Left: -2.394+/-0.000 χ^2/NDF: 5013227227.7/8

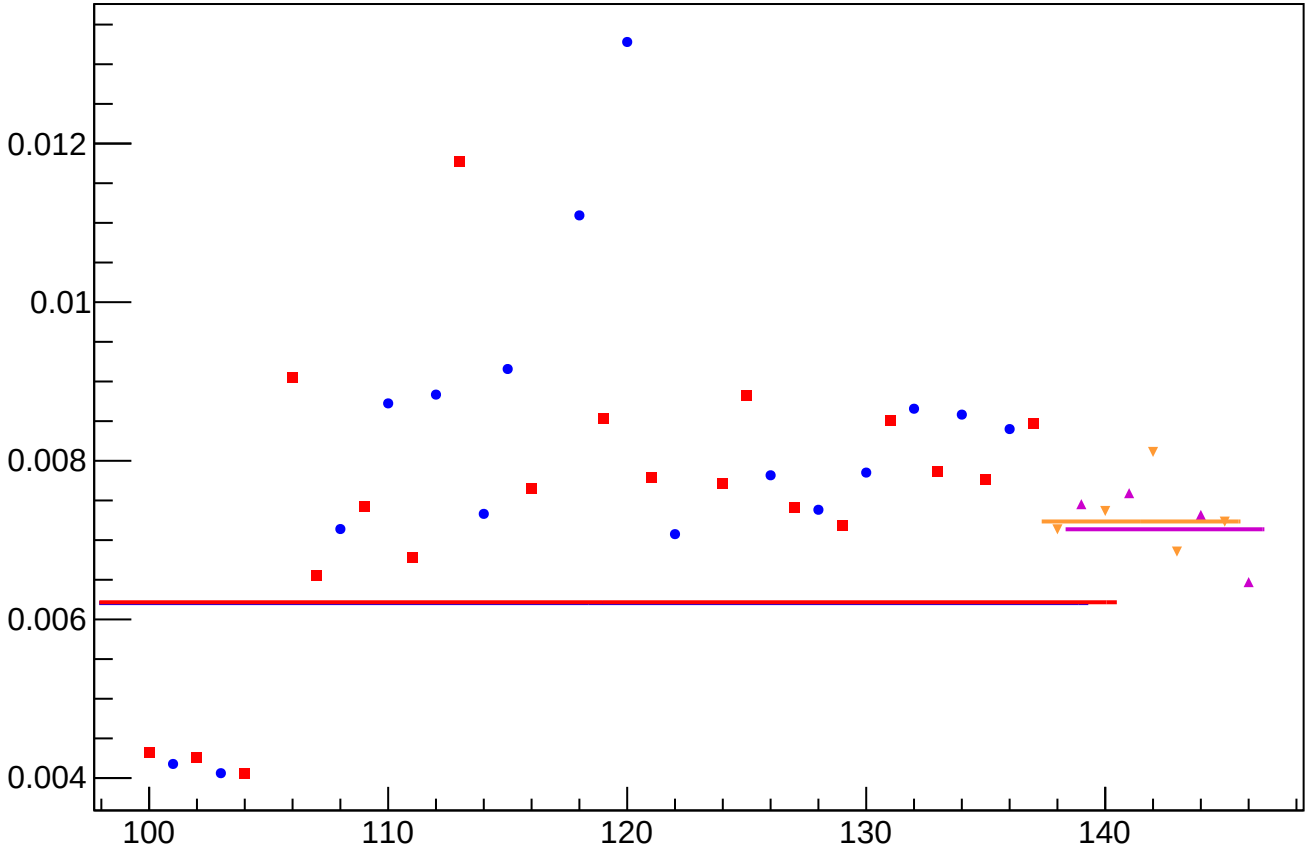
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: -0.087+/-0.000 χ^2/NDF:442526201414.0/19

Out: -0.109+/-0.000 χ^2/NDF:486847282698.7/23

All: -0.098+/-0.000 χ^2/NDF: 929425399132.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:13276.9/4

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:25645.0/3

Left: 0.007+/-0.000 χ^2/NDF: 39487.1/8

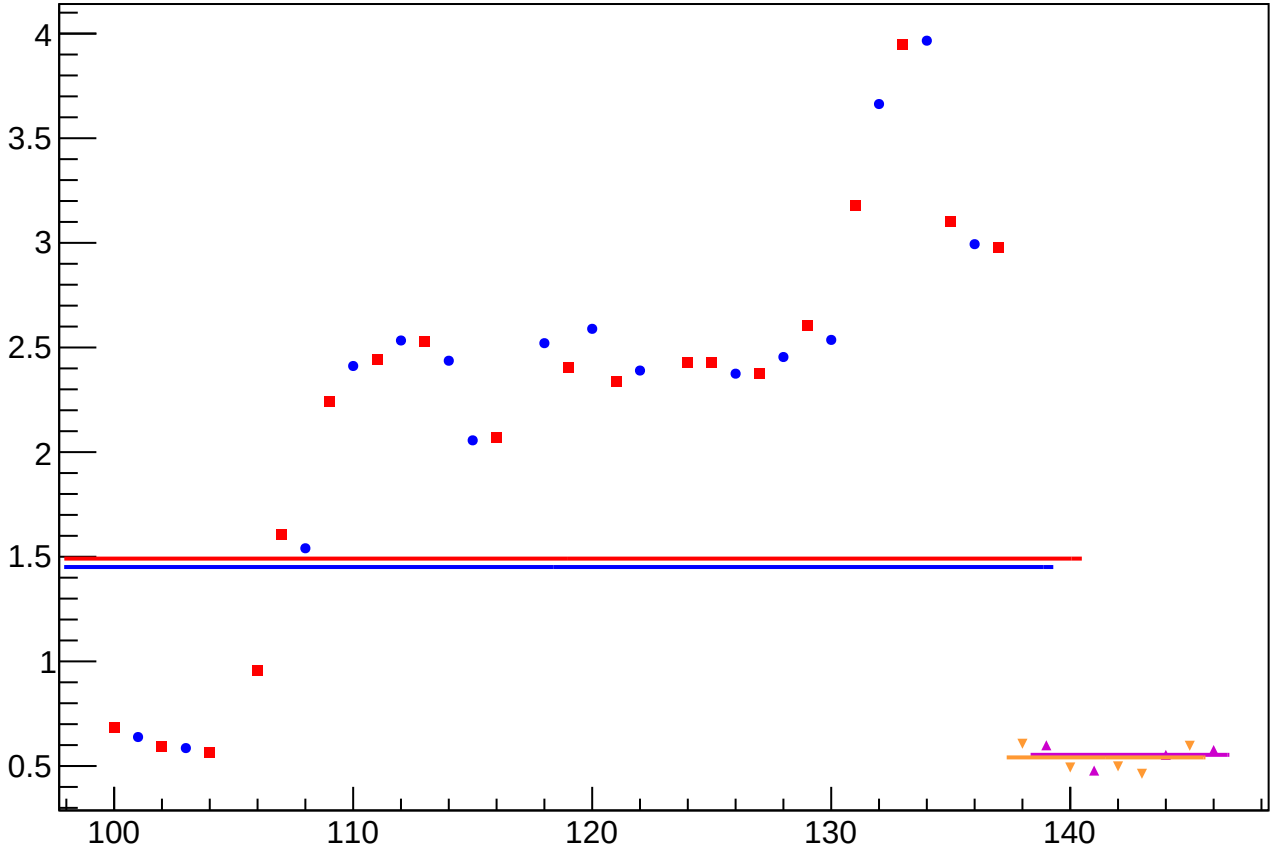
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1522047.1/19

Out: 0.006+/-0.000 χ^2/NDF:1261678.3/23

All: 0.006+/-0.000 χ^2/NDF: 2783778.1/43

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.541+/-0.000 χ^2/NDF:224908000.4/4

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 0.553+/-0.000 χ^2/NDF:111602524.9/3

Left: 0.547+/-0.000 χ^2/NDF: 340972326.4/8

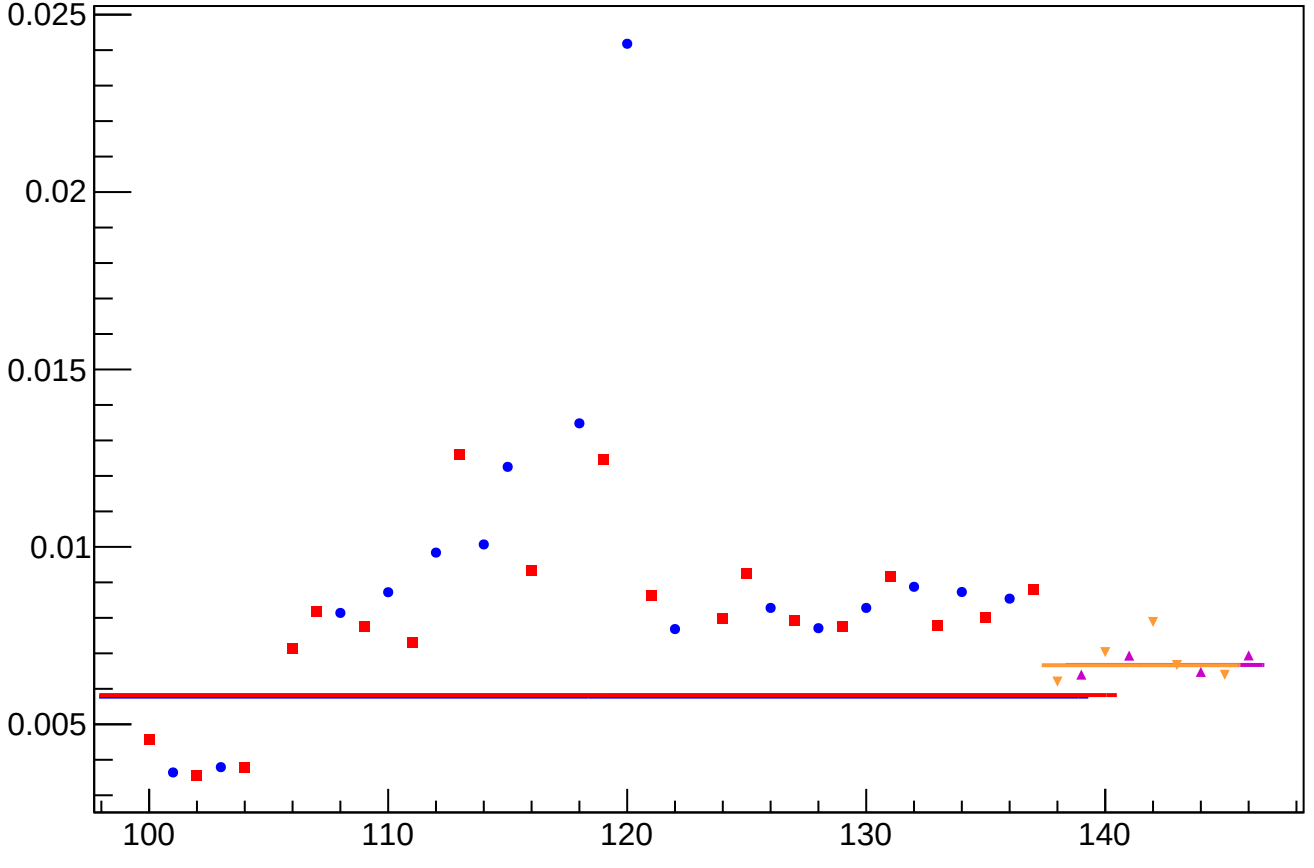
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.200+/-0.000 χ^2/NDF:203454206281.2/19

Out: 1.234+/-0.000 χ^2/NDF:226537028986.9/23

All: 1.218+/-0.000 χ^2/NDF: 430116783499.0

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:27518.1/4

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.007+/-0.000 χ^2/NDF:7249.1/3

Left: 0.007+/-0.000 χ^2/NDF: 34770.5/8

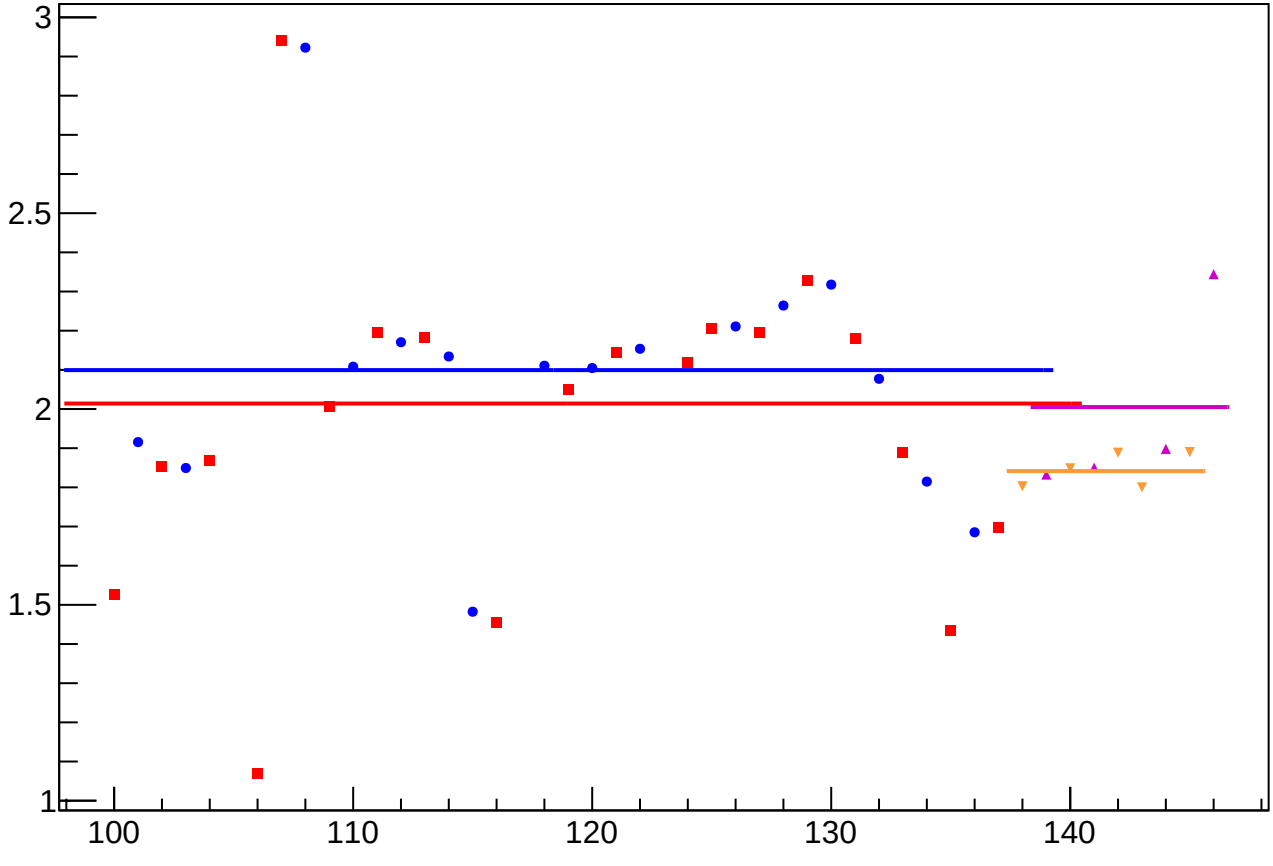
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2287767.9/19

Out: 0.006+/-0.000 χ^2/NDF:2045013.6/23

All: 0.006+/-0.000 χ^2/NDF: 4332880.2/43

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 1.842+/-0.000 χ^2/NDF:62347534.1/4

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.005+/-0.000 χ^2/NDF:2094711941.8/3

Left: 1.924+/-0.000 χ^2/NDF: 2719904850.2/8

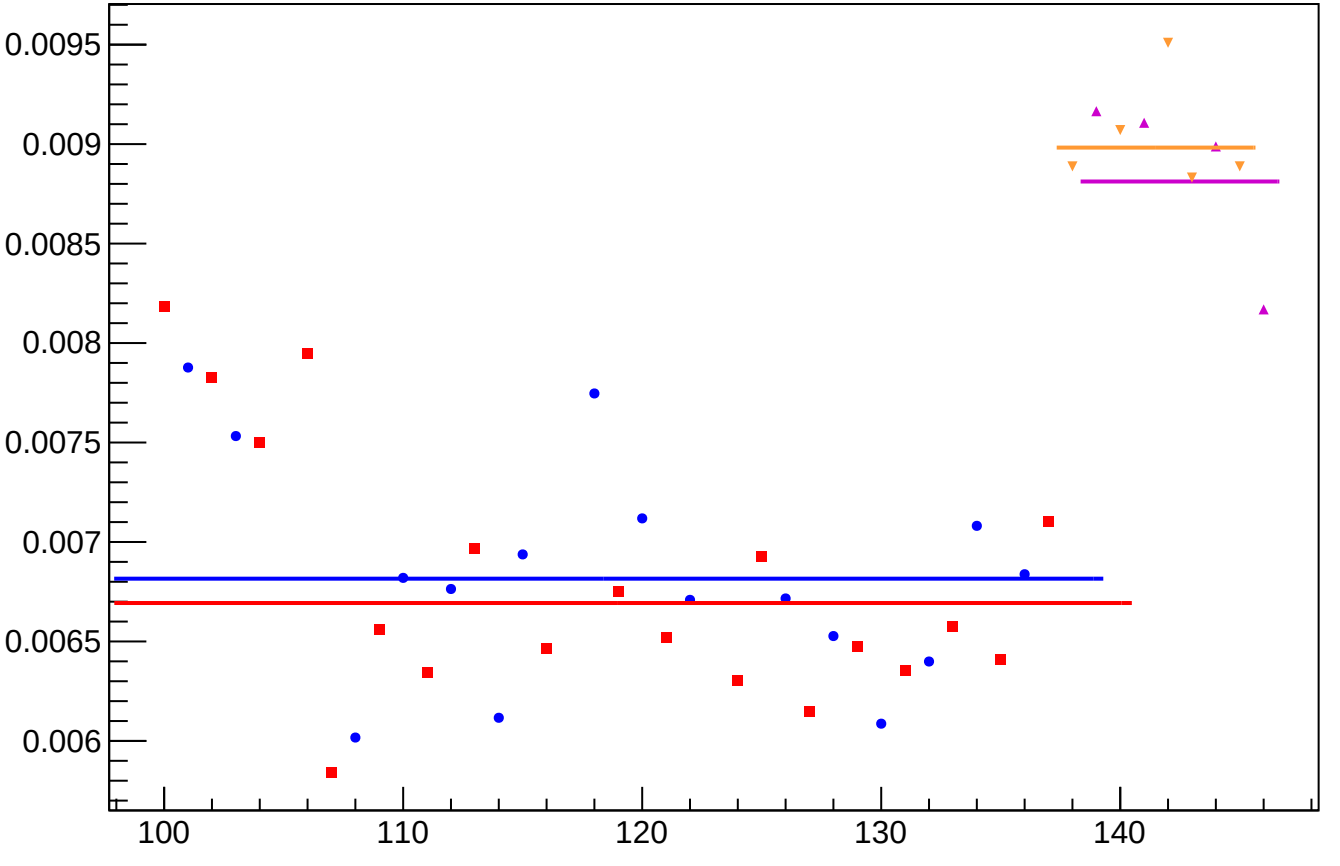
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.078+/-0.000 χ^2/NDF:16317047702.4/19

Out: 1.978+/-0.000 χ^2/NDF:20661423113.7/23

All: 2.027+/-0.000 χ^2/NDF: 37952177408.3/4

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.009+/-0.000 χ^2/NDF:3367.9/4

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.009+/-0.000 χ^2/NDF:15207.3/3

Left: 0.009+/-0.000 χ^2/NDF: 19799.3/8

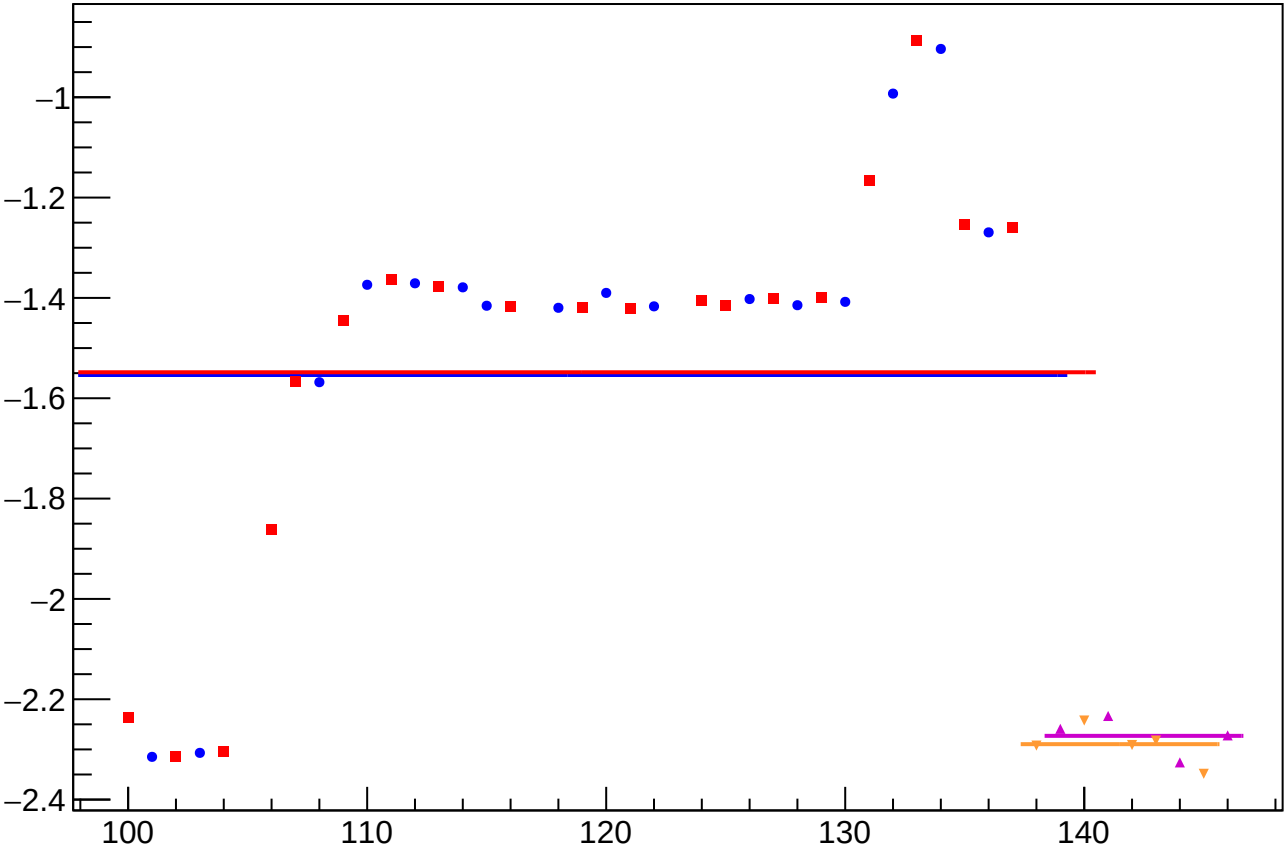
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:365142.4/19

Out: 0.007+/-0.000 χ^2/NDF:437632.4/23

All: 0.007+/-0.000 χ^2/NDF: 804579.3/43

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.290+/-0.000 χ^2/NDF:391845459.9/4

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -2.273+/-0.000 χ^2/NDF:371049766.0/3

Left: -2.281+/-0.000 χ^2/NDF: 805447067.6/8

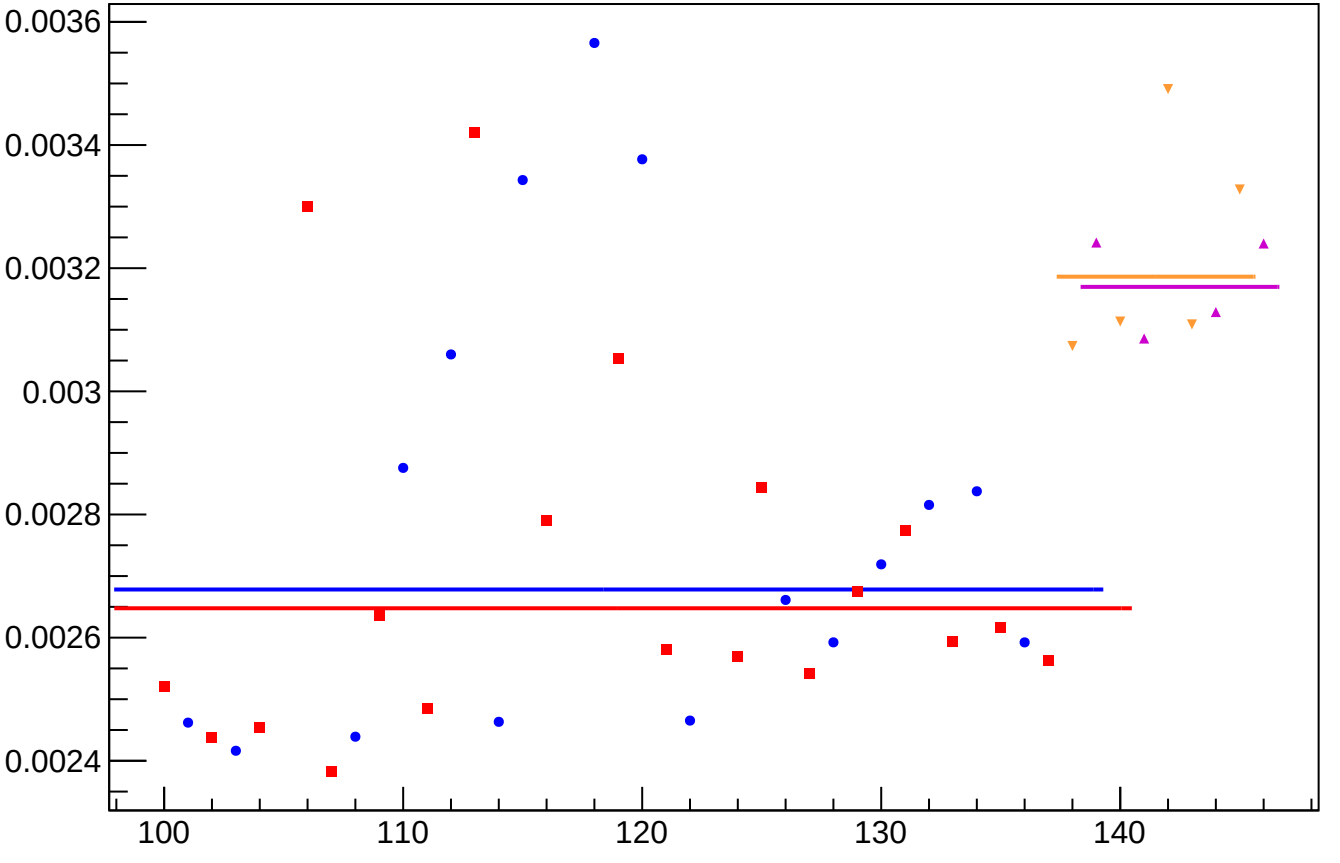
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.731+/-0.000 χ^2/NDF:295166730029.6/19

Out: -1.725+/-0.000 χ^2/NDF:306163113600.5/23

All: -1.728+/-0.000 χ^2/NDF: 601356703504.4

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:12013.9/4

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:2882.6/3

Left: 0.003+/-0.000 χ^2/NDF: 14981.6/8

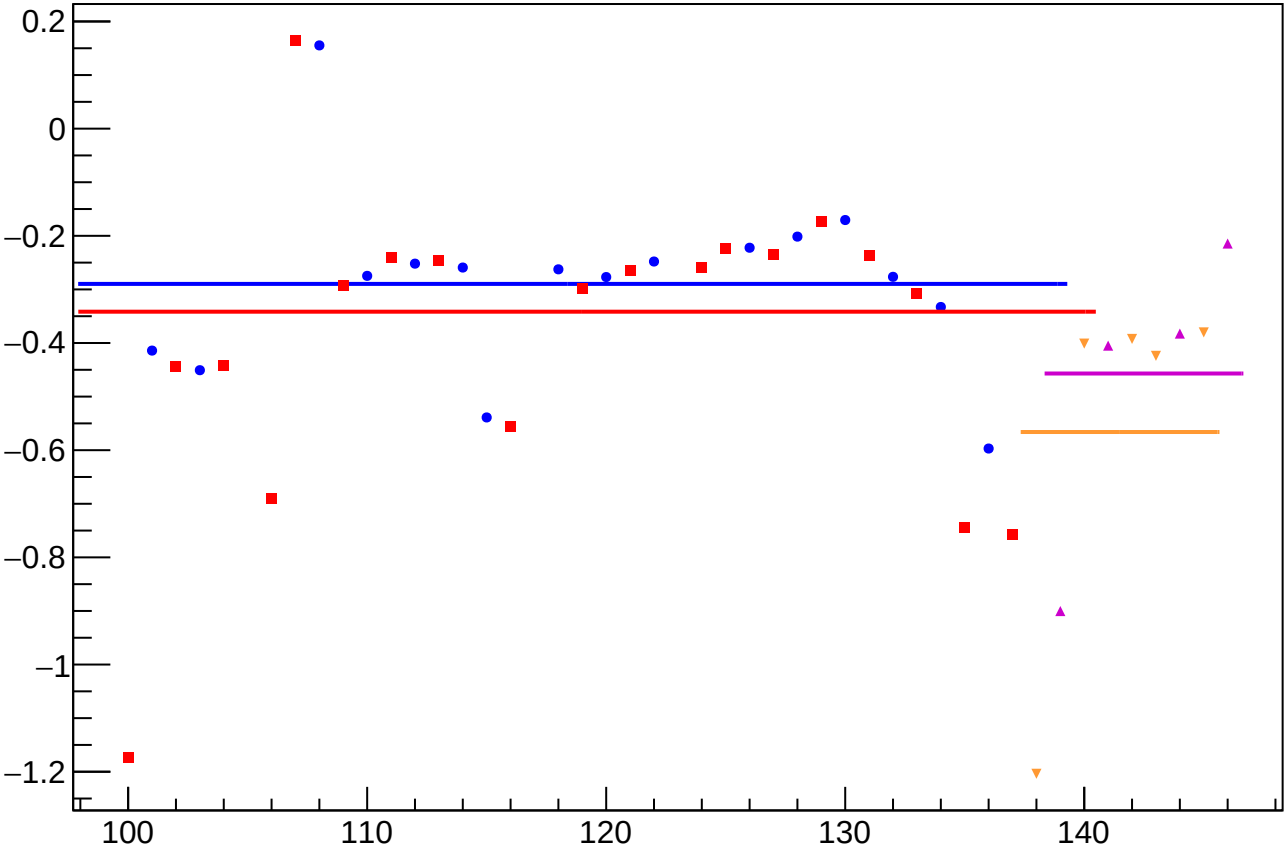
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:272443.7/19

Out: 0.003+/-0.000 χ^2/NDF:266451.4/23

All: 0.003+/-0.000 χ^2/NDF: 539605.2/43

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.566+/-0.000 χ^2/NDF:1620753387.0/4

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.457+/-0.000 χ^2/NDF:979688704.5/3

Left: -0.511+/-0.000 χ^2/NDF: 2692454472.1/8

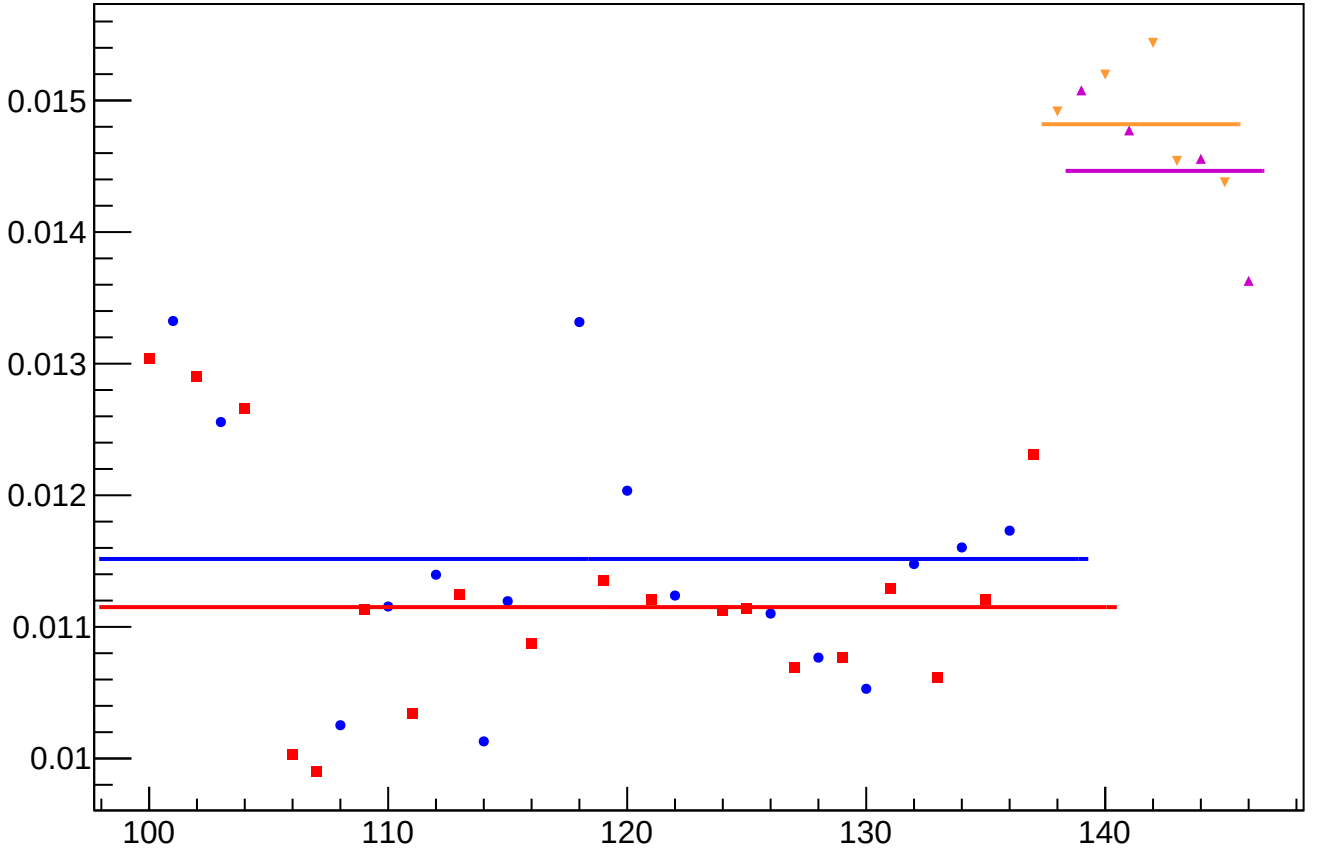
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.328+/-0.000 χ^2/NDF:2960683112.1/19

Out: -0.388+/-0.000 χ^2/NDF:4840493673.5/23

All: -0.359+/-0.000 χ^2/NDF: 7927837753.4/4

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.015+/-0.000 χ^2/NDF:4265.9/4

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.014+/-0.000 χ^2/NDF:9535.2/3

Left: 0.015+/-0.000 χ^2/NDF: 15745.0/8

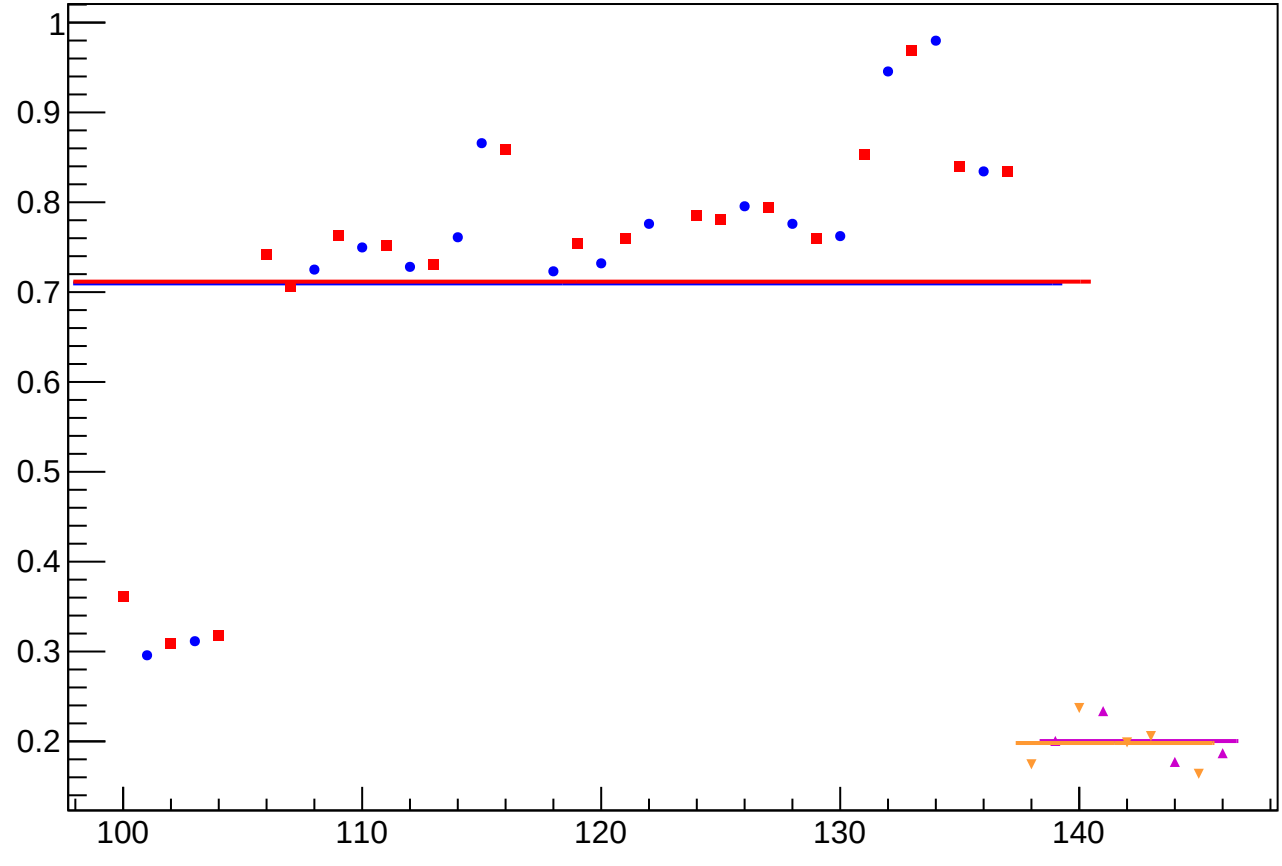
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:302703.9/19

Out: 0.012+/-0.000 χ^2/NDF:401008.7/23

All: 0.012+/-0.000 χ^2/NDF: 709393.9/43

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.198+/-0.000 χ^2/NDF:620260980.5/4

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.200+/-0.000 χ^2/NDF:376909051.4/3

Left: 0.199+/-0.000 χ^2/NDF: 999108406.2/8

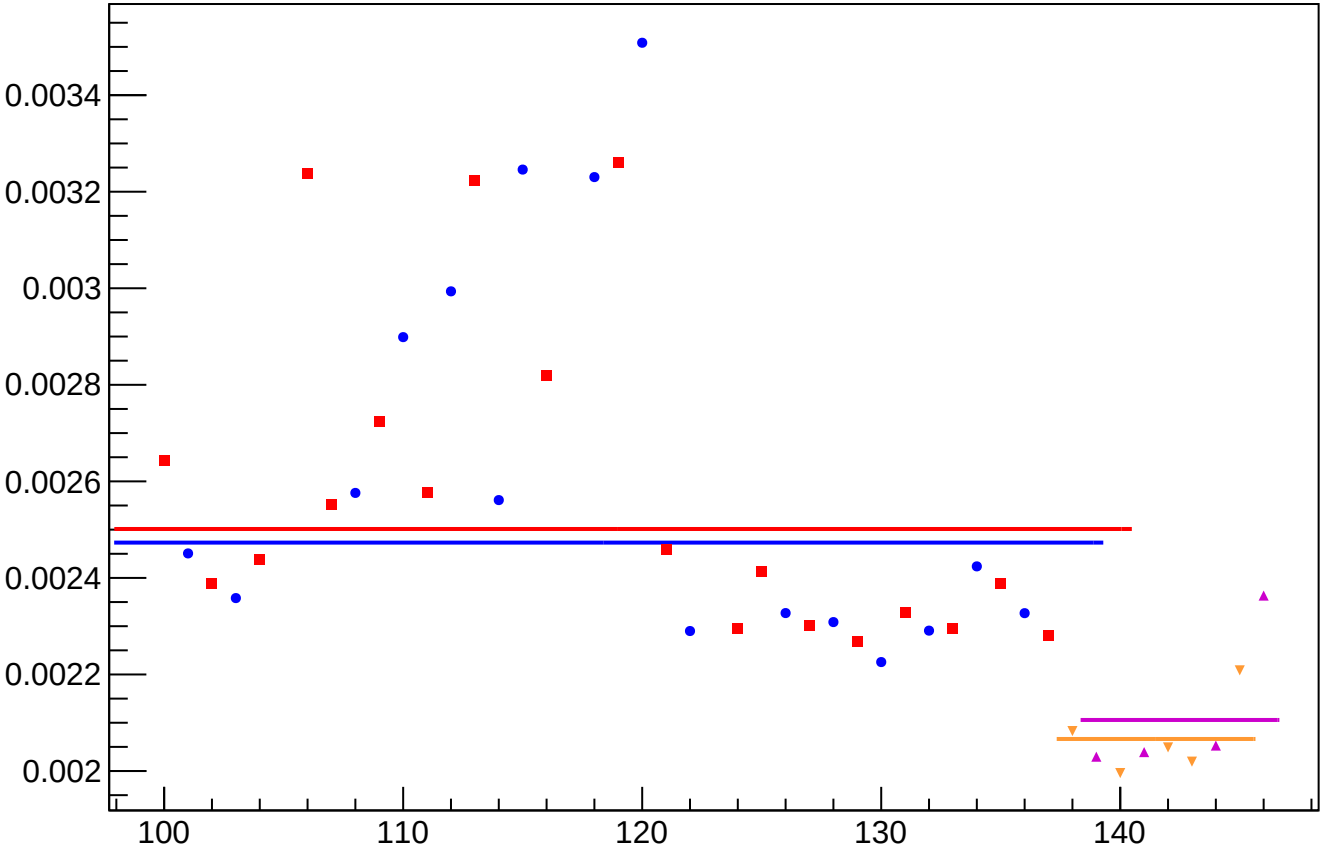
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.499+/-0.000 χ^2/NDF:168808805519.0/19

Out: 0.490+/-0.000 χ^2/NDF:172636509363.5/23

All: 0.495+/-0.000 χ^2/NDF: 341524486334.0

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:9669.8/4

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:26433.2/3

Left: 0.002+/-0.000 χ^2/NDF: 37369.8/8

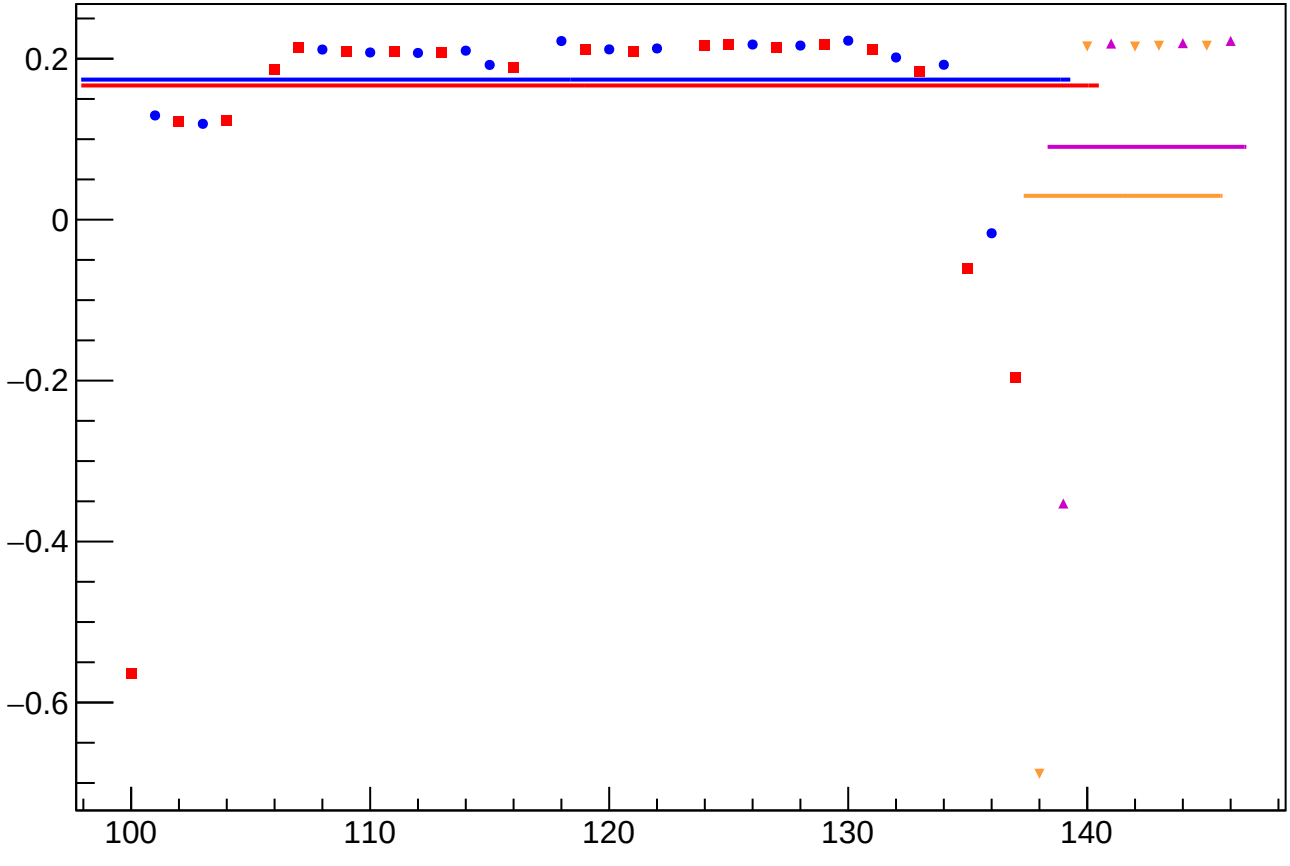
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:358822.3/19

Out: 0.002+/-0.000 χ^2/NDF:370566.4/23

All: 0.002+/-0.000 χ^2/NDF: 729499.8/43

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.030+/-0.000 χ^2/NDF:2527744380.7/4

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.090+/-0.000 χ^2/NDF:1100736329.8/3

Left: 0.060+/-0.000 χ^2/NDF: 3663722027.8/8

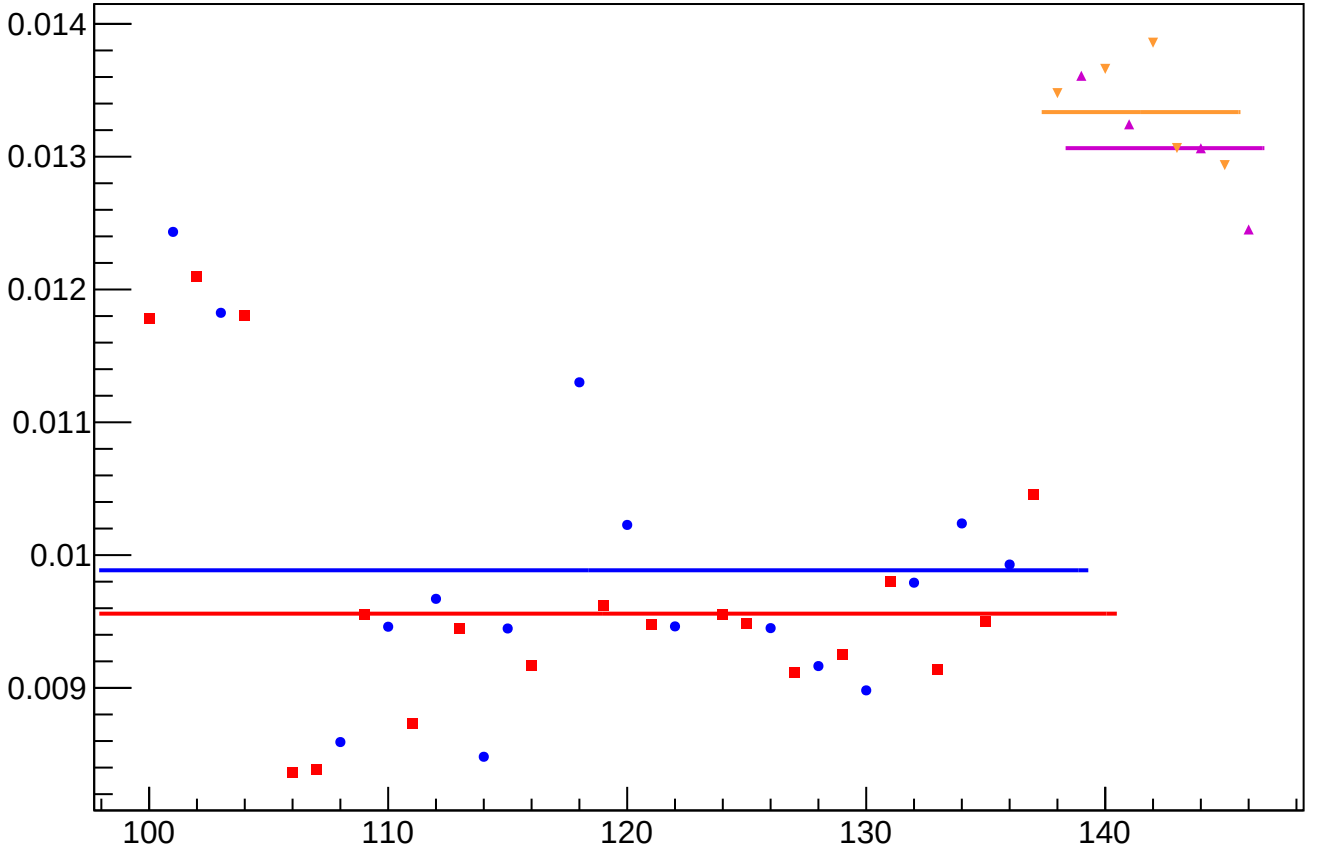
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.156+/-0.000 χ^2/NDF:1607738275.7/19

Out: 0.140+/-0.000 χ^2/NDF:3708565704.8/23

All: 0.148+/-0.000 χ^2/NDF: 5328165286.2/43

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.013+/-0.000 χ^2/NDF:4254.8/4

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:6791.7/3

Left: 0.013+/-0.000 χ^2/NDF: 12449.7/8

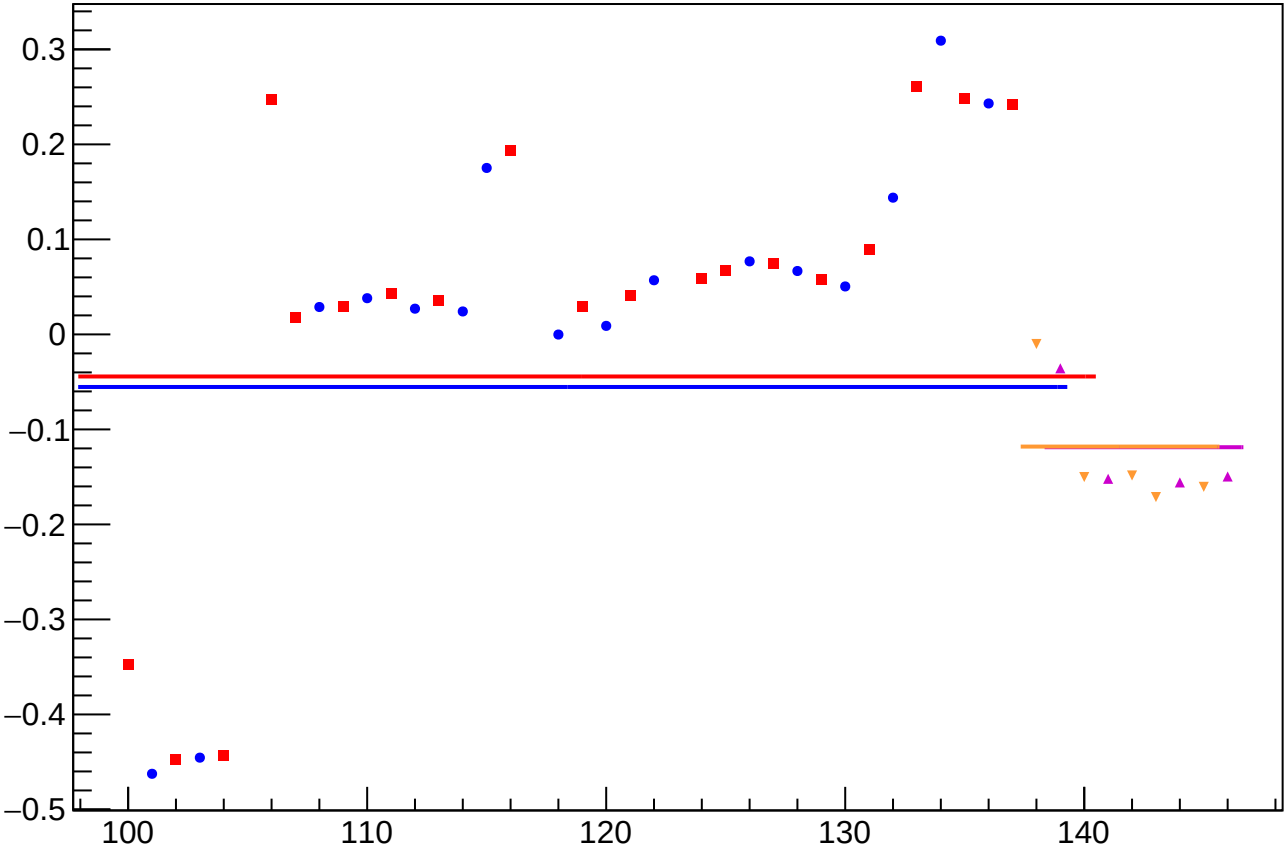
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:459394.5/19

Out: 0.010+/-0.000 χ^2/NDF:575595.4/23

All: 0.010+/-0.000 χ^2/NDF: 1042151.0/43

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.118+/-0.000 χ^2/NDF:1539897844.1/4

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.119+/-0.000 χ^2/NDF:945416408.3/3

Left: -0.118+/-0.000 χ^2/NDF: 2485389901.8/8

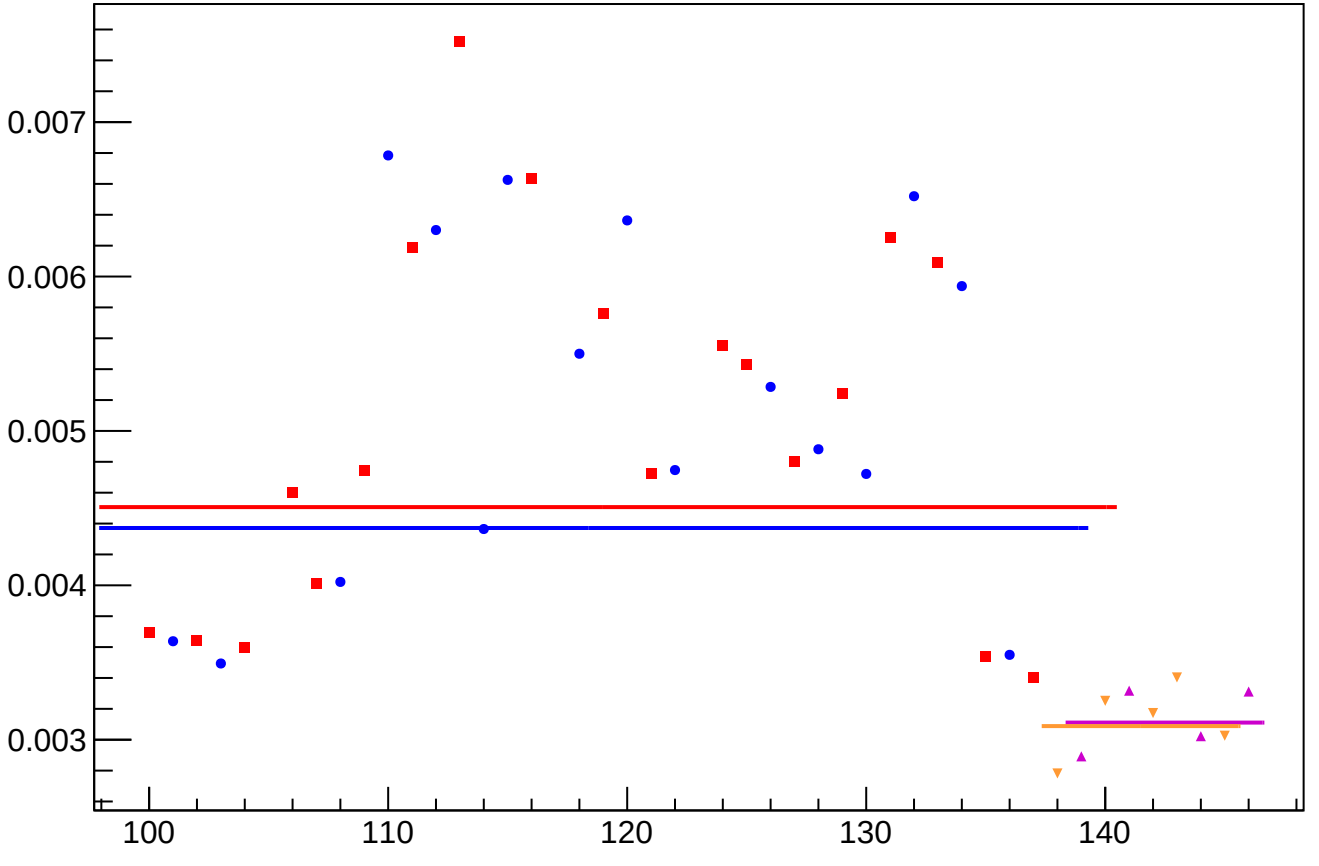
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.088+/-0.000 χ^2/NDF:25683882925.8/19

Out: -0.083+/-0.000 χ^2/NDF:24577225442.3/23

All: -0.085+/-0.000 χ^2/NDF: 50268260930.6/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:35125.8/4

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:22716.1/3

Left: 0.003+/-0.000 χ^2/NDF: 58019.3/8

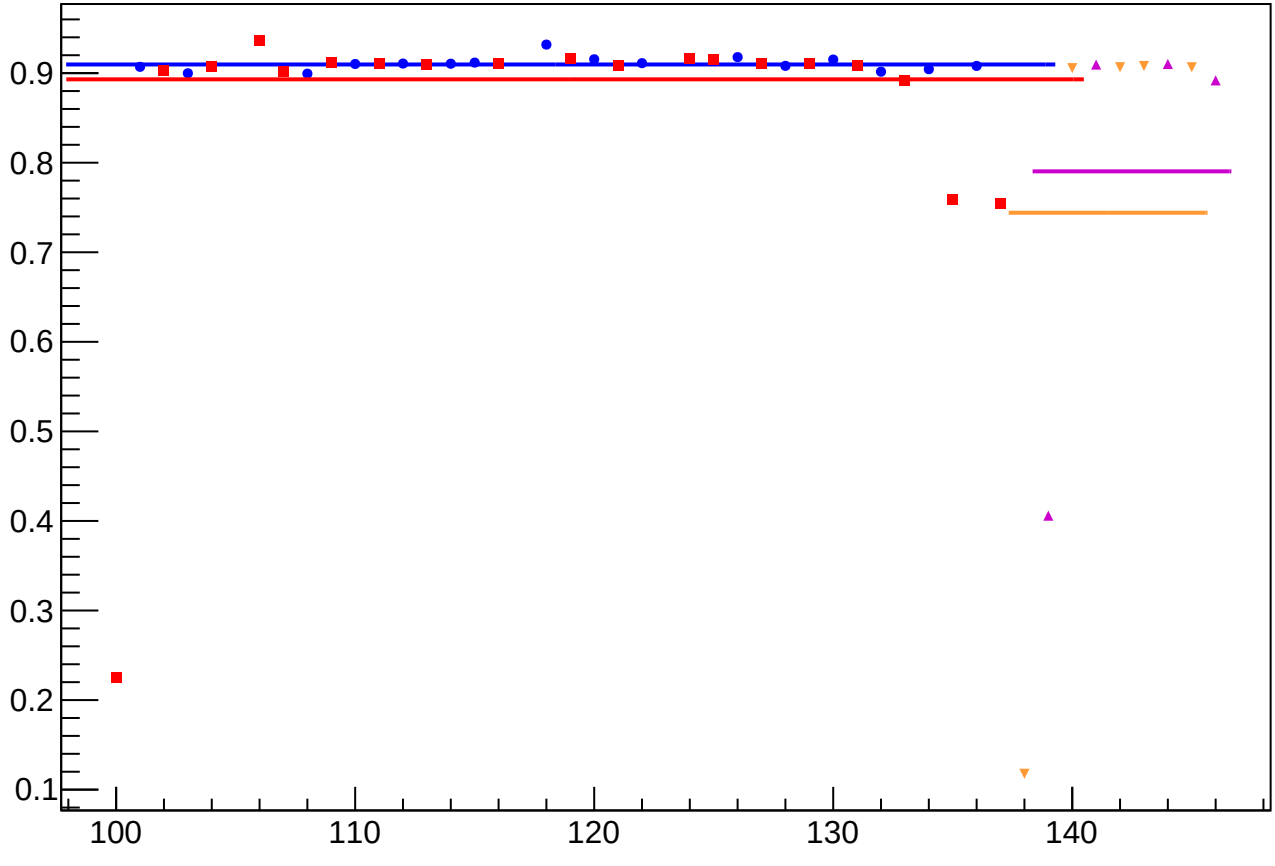
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.004+/-0.000 χ^2/NDF:1201938.5/19

Out: 0.004+/-0.000 χ^2/NDF:1405698.2/23

All: 0.004+/-0.000 χ^2/NDF: 2608387.2/43

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.744+/-0.000 χ^2/NDF:2091472333.0/4

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.790+/-0.000 χ^2/NDF:901971485.5/3

Left: 0.767+/-0.000 χ^2/NDF: 3015450070.5/8

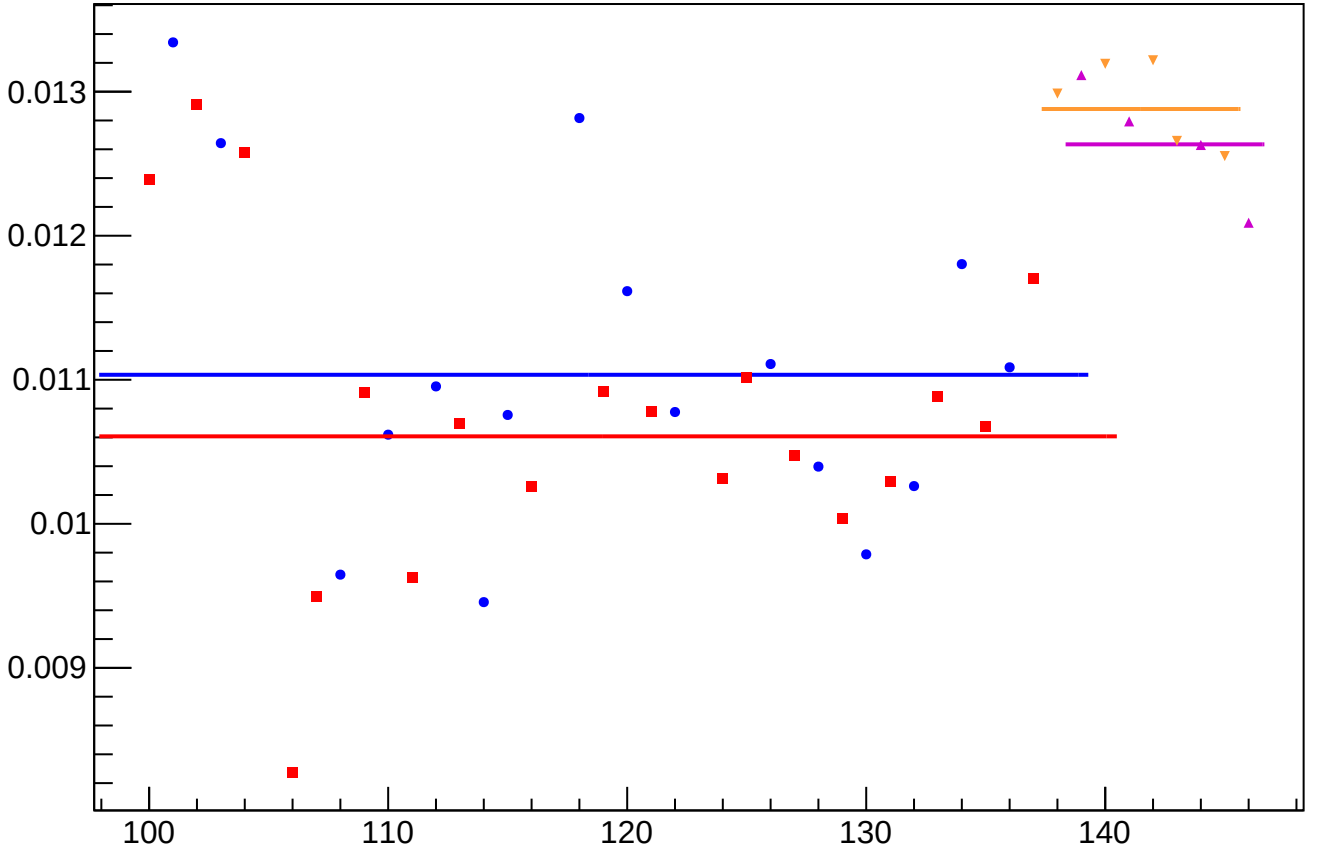
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.878+/-0.000 χ^2/NDF:1120682825.1/19

Out: 0.857+/-0.000 χ^2/NDF:2764416624.1/23

All: 0.867+/-0.000 χ^2/NDF: 3902440027.3/43

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:3000.4/4

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.013+/-0.000 χ^2/NDF:5752.3/3

Left: 0.013+/-0.000 χ^2/NDF: 9994.0/8

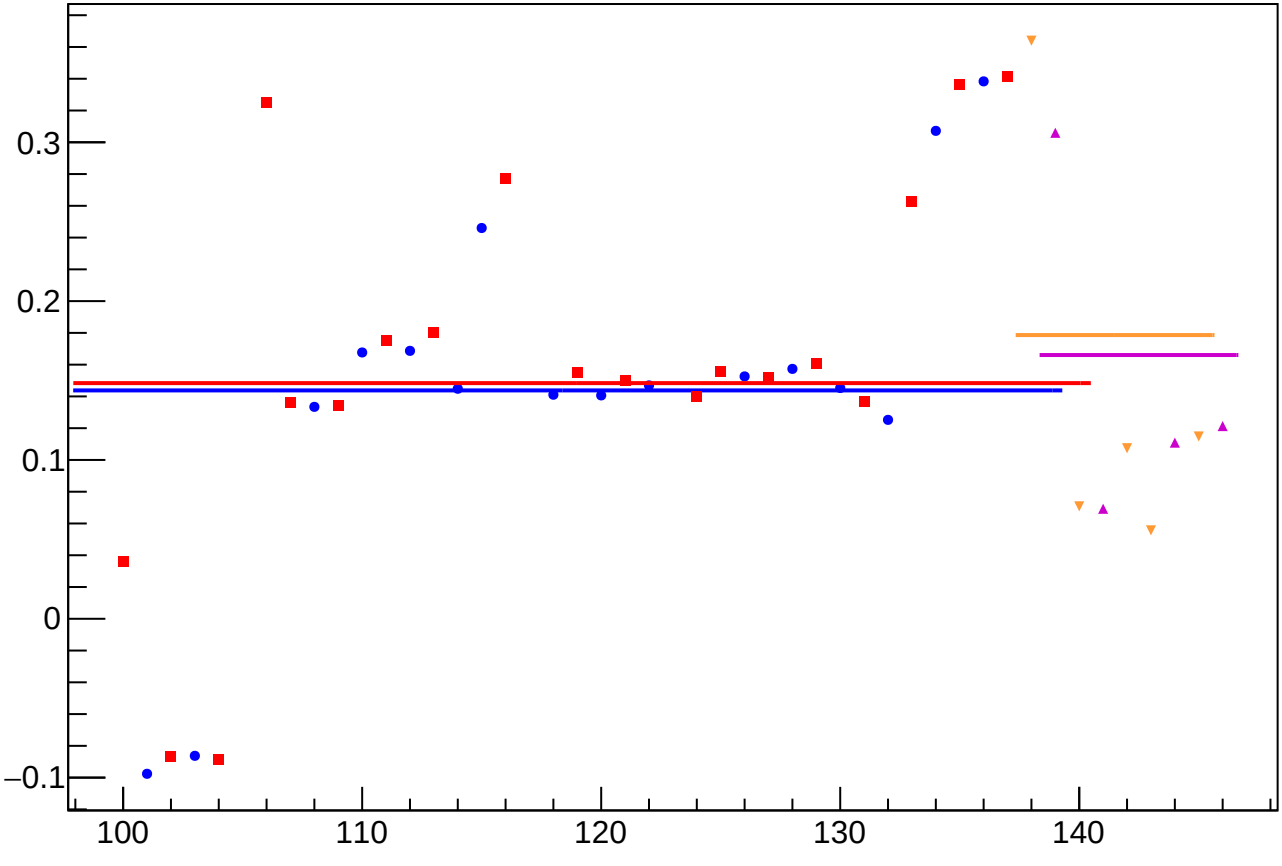
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:213575.7/19

Out: 0.011+/-0.000 χ^2/NDF:307537.6/23

All: 0.011+/-0.000 χ^2/NDF: 528611.7/43

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.179+/-0.000 χ^2/NDF:3966178826.4/4

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.166+/-0.000 χ^2/NDF:1979743615.8/3

Left: 0.173+/-0.000 χ^2/NDF: 5963328842.8/8

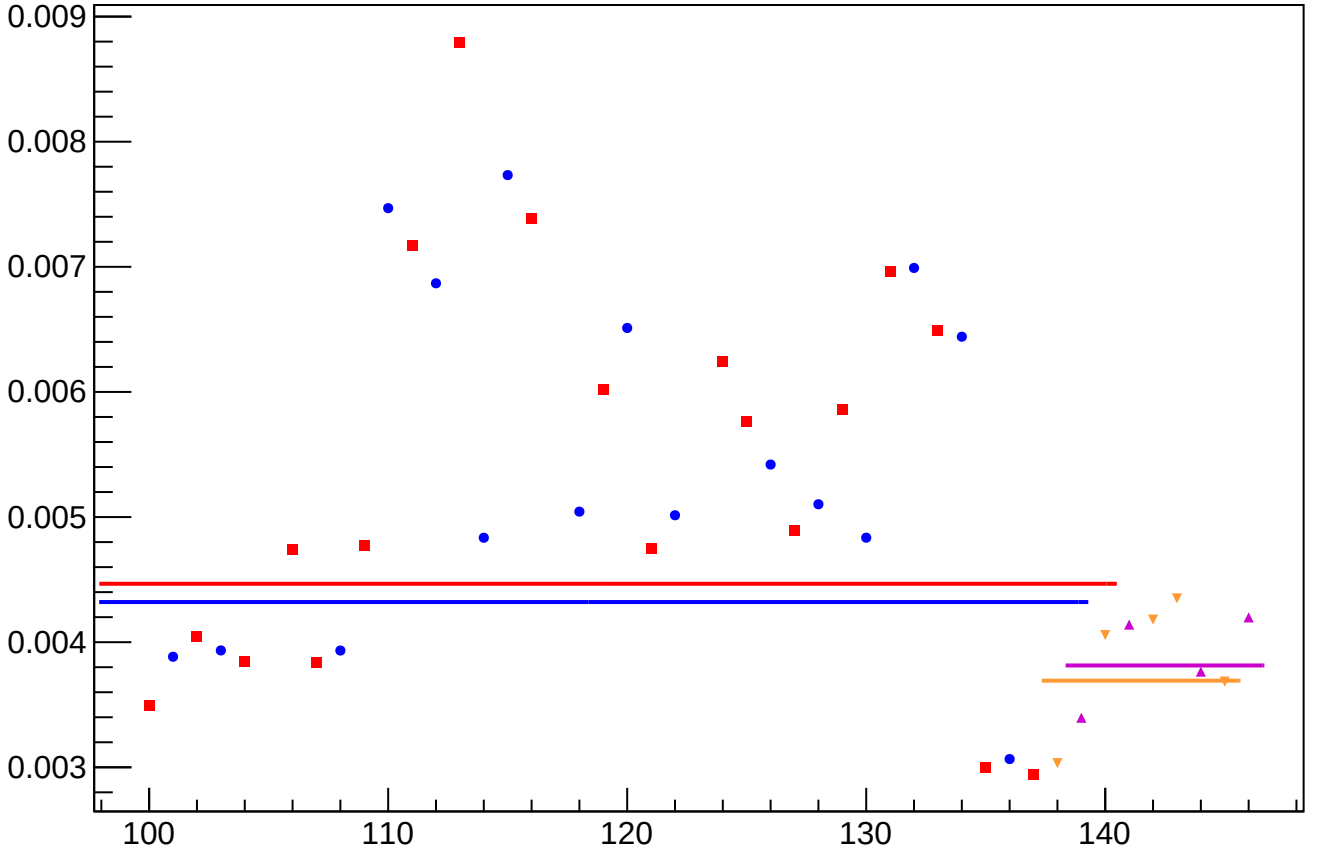
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.153+/-0.000 χ^2/NDF:9909109773.0/19

Out: 0.162+/-0.000 χ^2/NDF:11213597661.3/23

All: 0.157+/-0.000 χ^2/NDF: 21142606508.1/4

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:119175.4/4

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:45537.2/3

Left: 0.004+/-0.000 χ^2/NDF: 167973.6/8

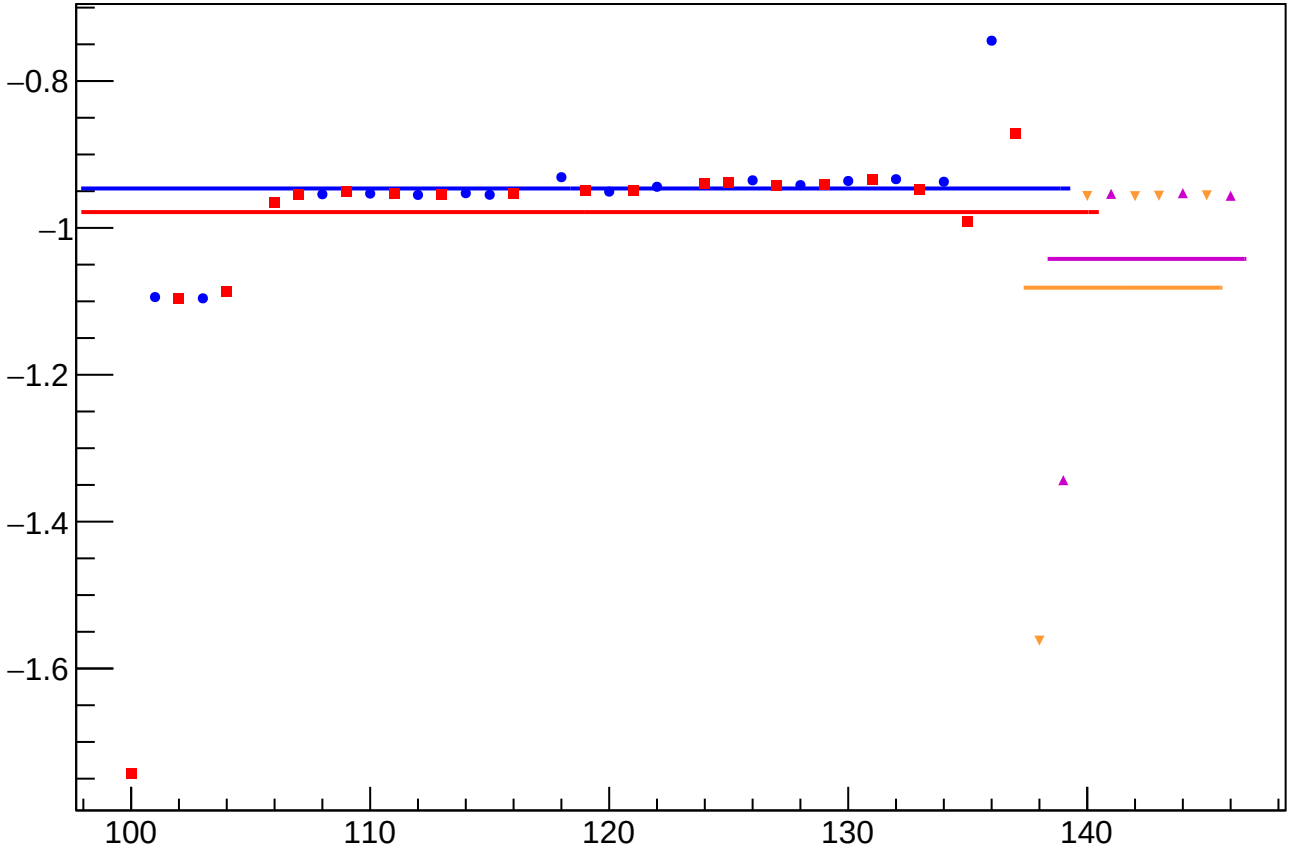
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:988132.3/19

Out: 0.004+/-0.000 χ^2/NDF:1360835.9/23

All: 0.004+/-0.000 χ^2/NDF: 2349078.3/43

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.081+/-0.000 χ^2/NDF:1588576849.1/4

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.042+/-0.000 χ^2/NDF:703996890.0/3

Left: -1.062+/-0.000 χ^2/NDF: 2312914508.7/8

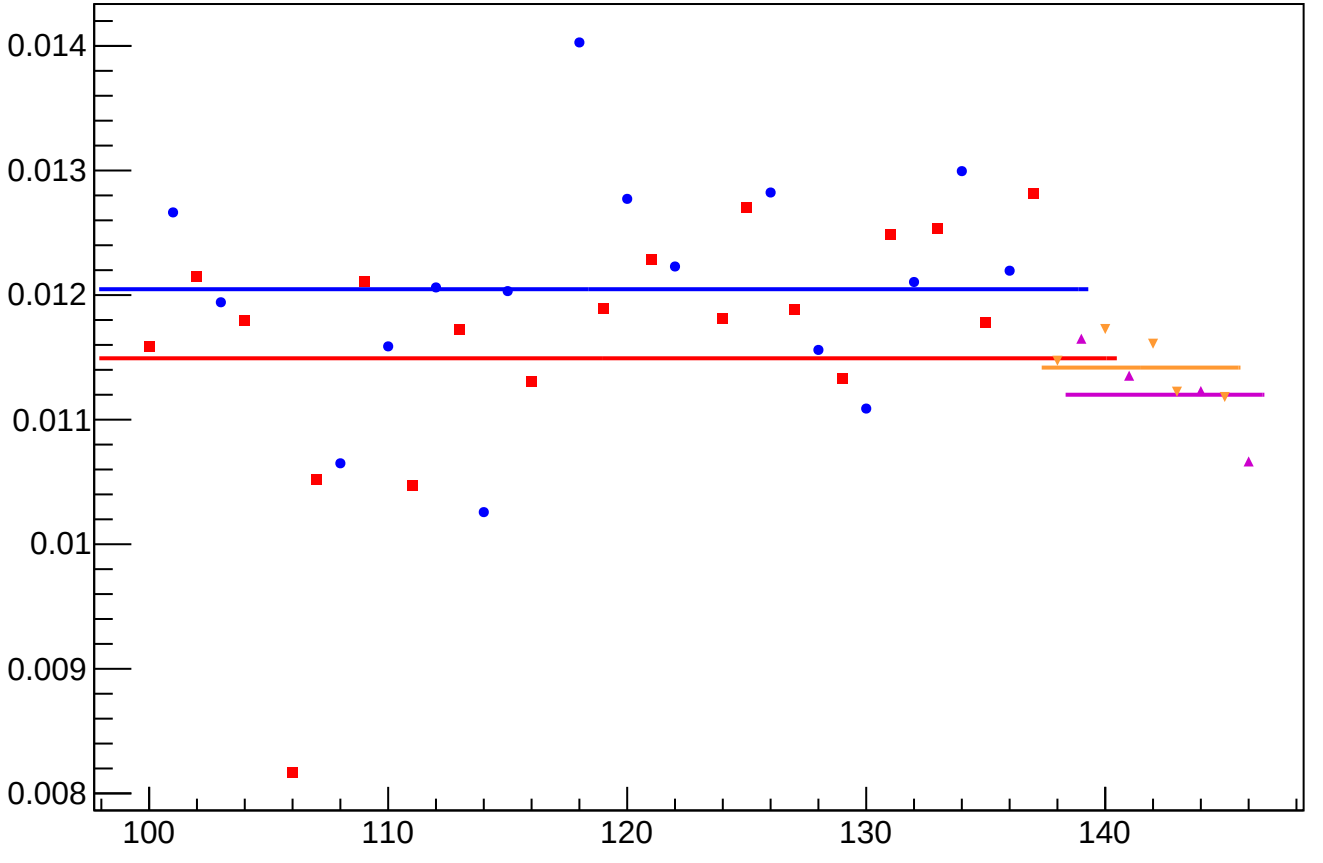
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -0.981+/-0.000 χ^2/NDF:1264960647.1/19

Out: -1.012+/-0.000 χ^2/NDF:2237866054.7/23

All: -0.997+/-0.000 χ^2/NDF: 3540833868.2/4

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:2480.7/4

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:6913.8/3

Left: 0.011+/-0.000 χ^2/NDF: 10651.9/8

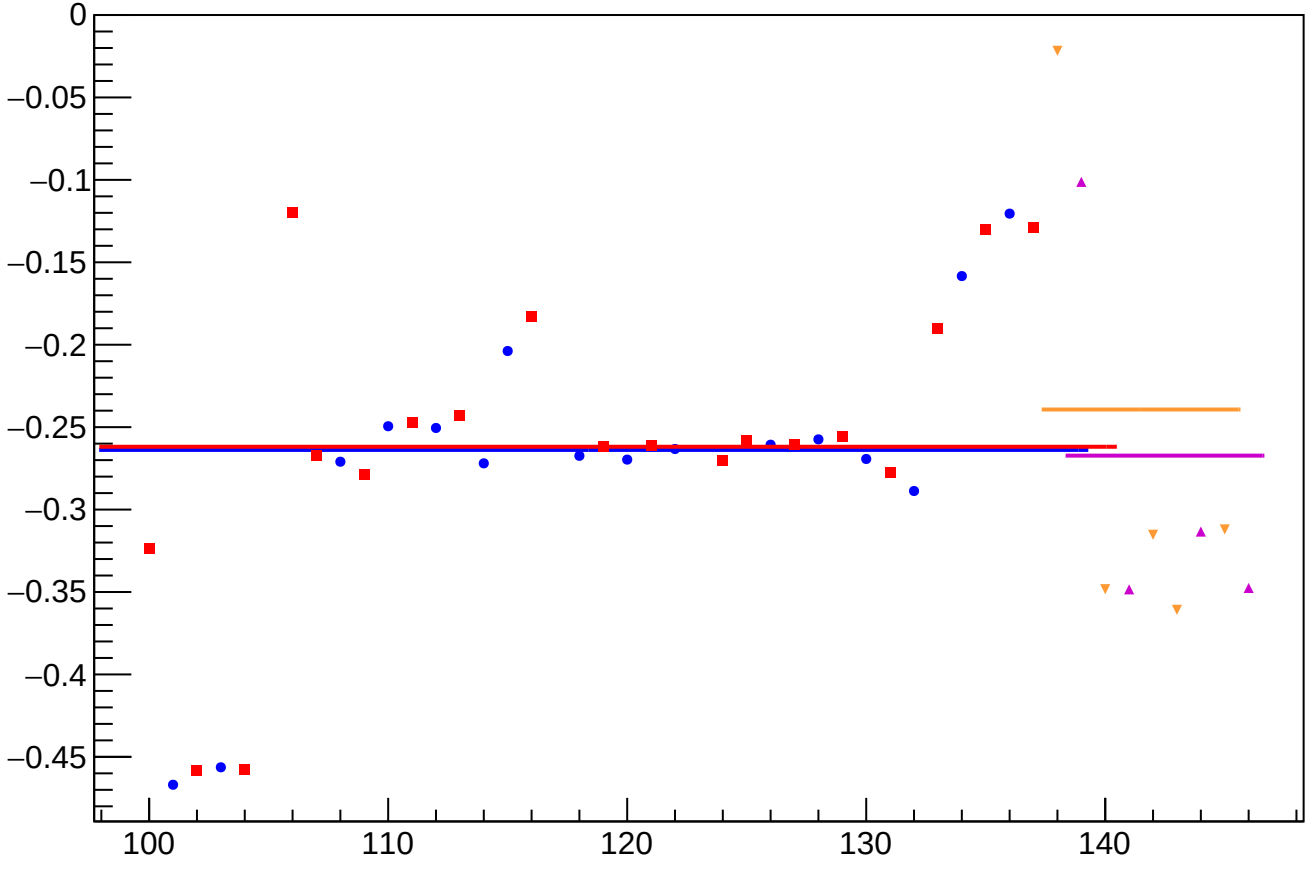
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.012+/-0.000 χ^2/NDF:93804.2/19

Out: 0.011+/-0.000 χ^2/NDF:153987.9/23

All: 0.012+/-0.000 χ^2/NDF: 253604.6/43

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.239+/-0.000 χ^2/NDF:3759039780.9/4

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.267+/-0.000 χ^2/NDF:1910424926.5/3

Left: -0.253+/-0.000 χ^2/NDF: 5737847218.8/8

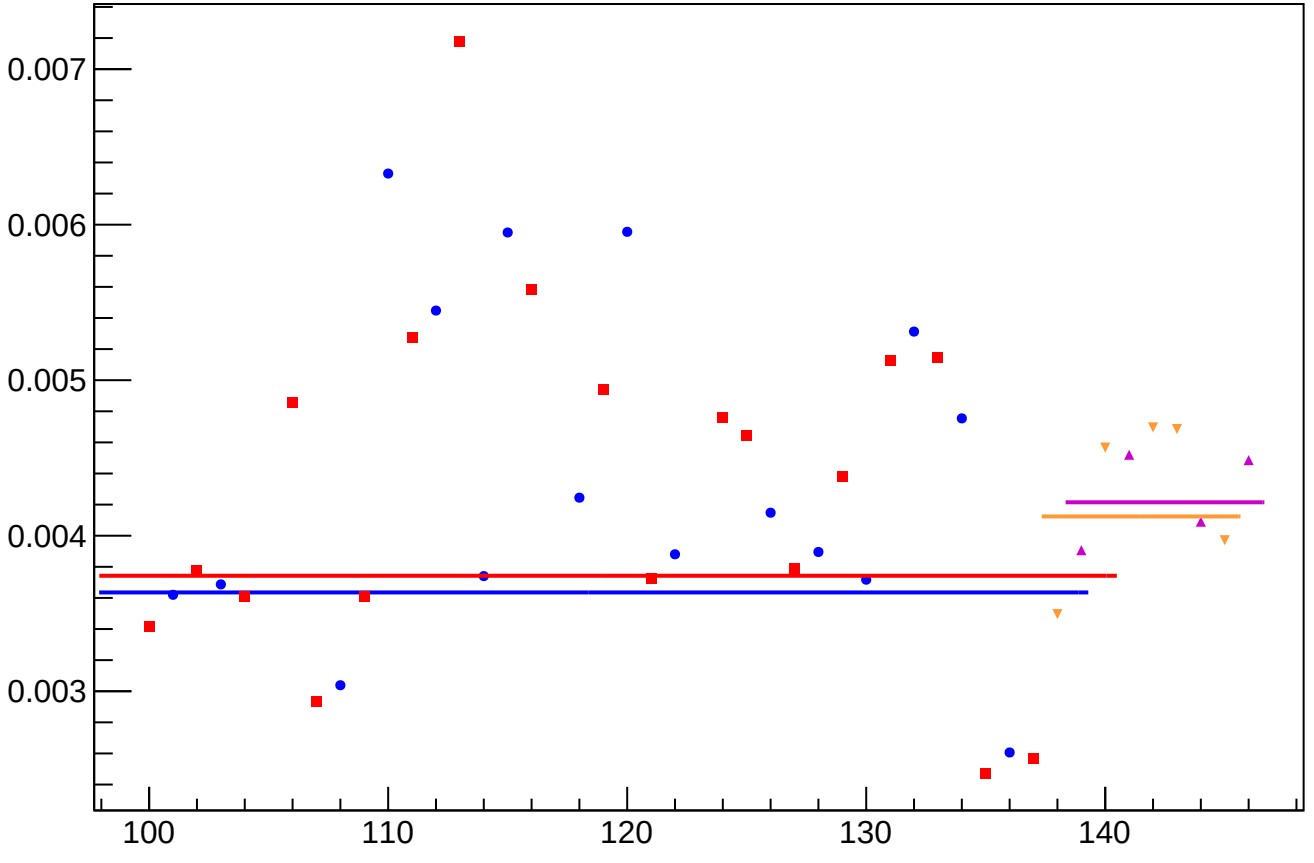
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.265+/-0.000 χ^2/NDF:8018059548.4/19

Out: -0.255+/-0.000 χ^2/NDF:9074117414.2/23

All: -0.260+/-0.000 χ^2/NDF: 17120091386.8/

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:88751.7/4

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:22764.2/3

Left: 0.004+/-0.000 χ^2/NDF: 112965.7/8

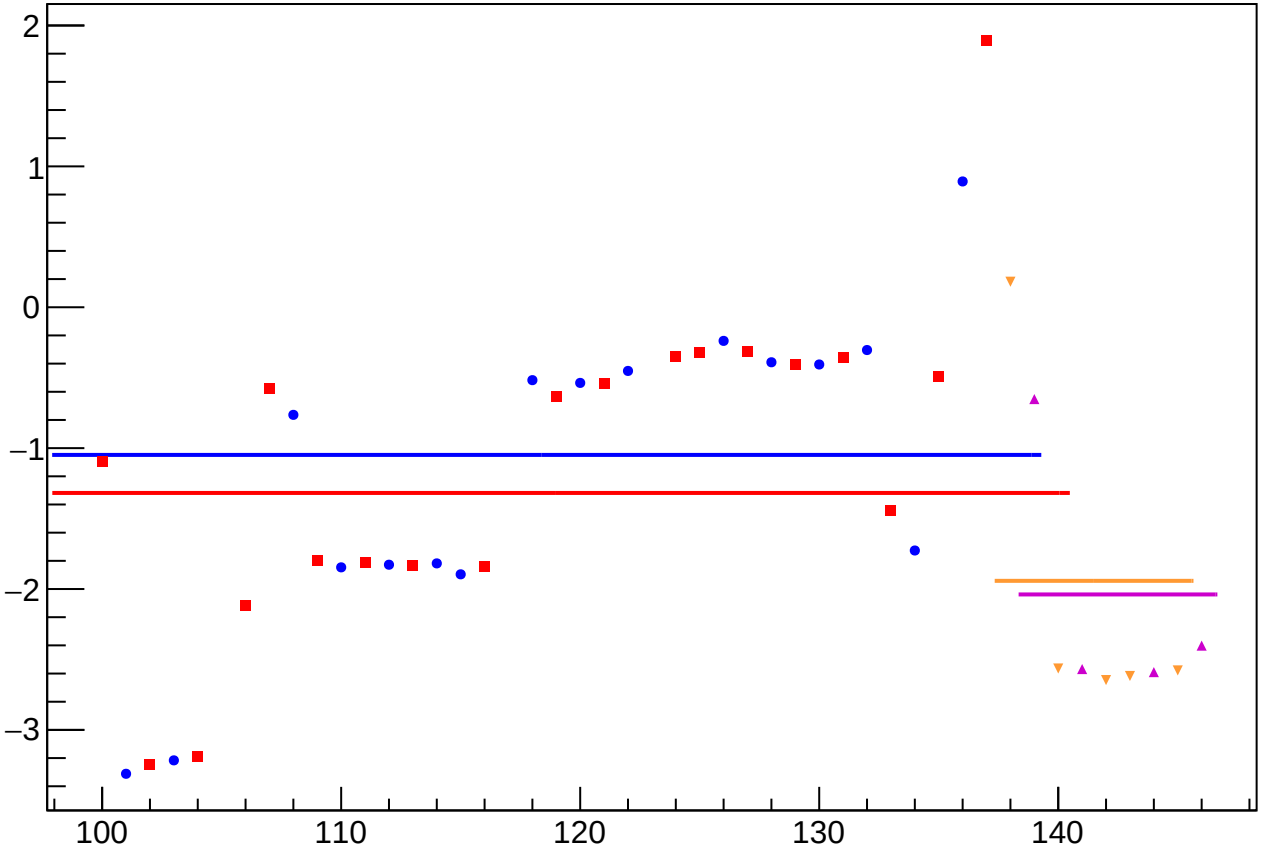
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:833172.7/19

Out: 0.004+/-0.000 χ^2/NDF:1019999.5/23

All: 0.004+/-0.000 χ^2/NDF: 1855263.8/43

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.942+/-0.000 χ^2/NDF:887814543.6/4

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -2.038+/-0.000 χ^2/NDF:407543669.5/3

Left: -1.989+/-0.000 χ^2/NDF: 1298241035.2/8

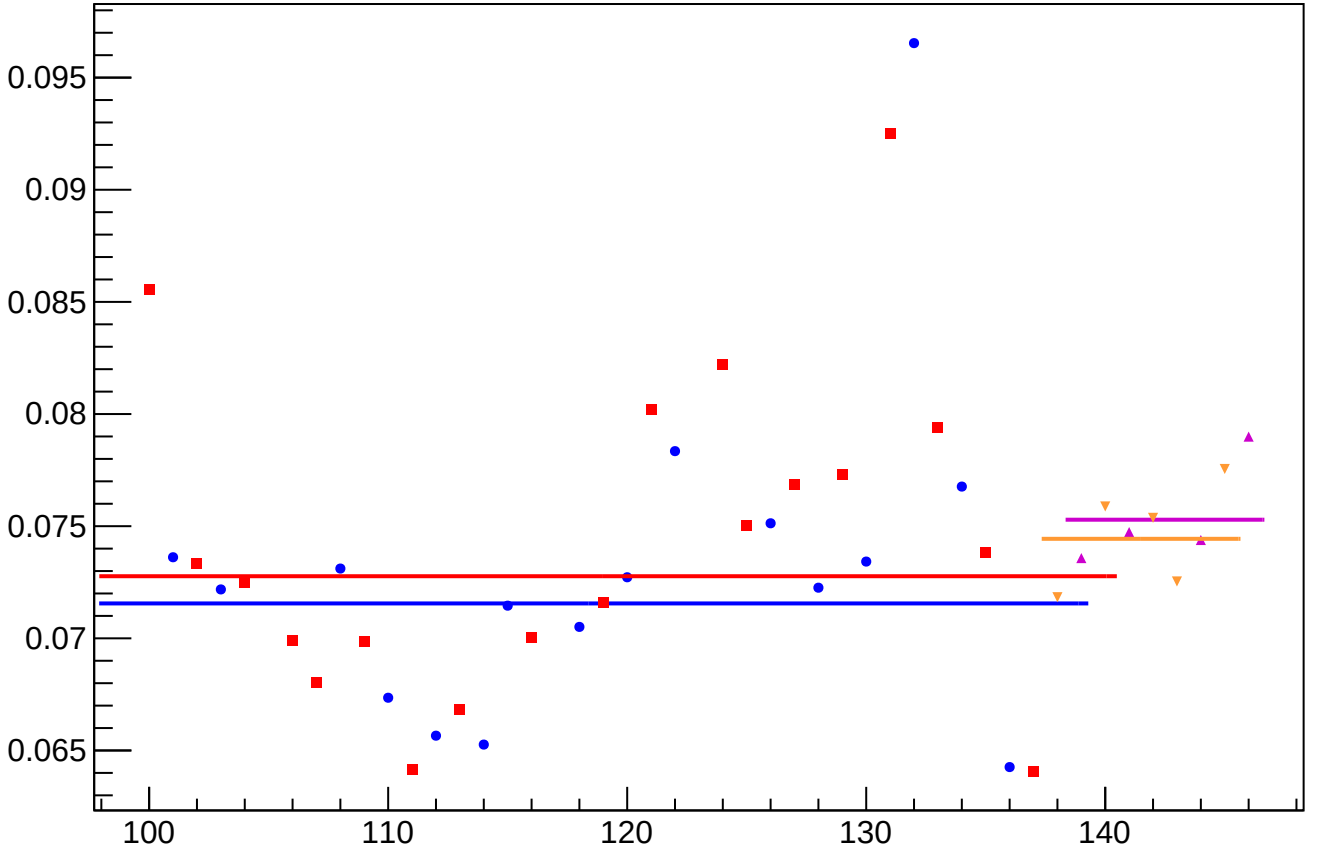
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.349+/-0.000 χ^2/NDF:3163121299.6/19

Out: -1.516+/-0.000 χ^2/NDF:2905413361.0/23

All: -1.434+/-0.000 χ^2/NDF: 6096234344.7/4

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF:6324.4/4

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:4915.6/3

Left: 0.075+/-0.000 χ^2/NDF: 11688.6/8

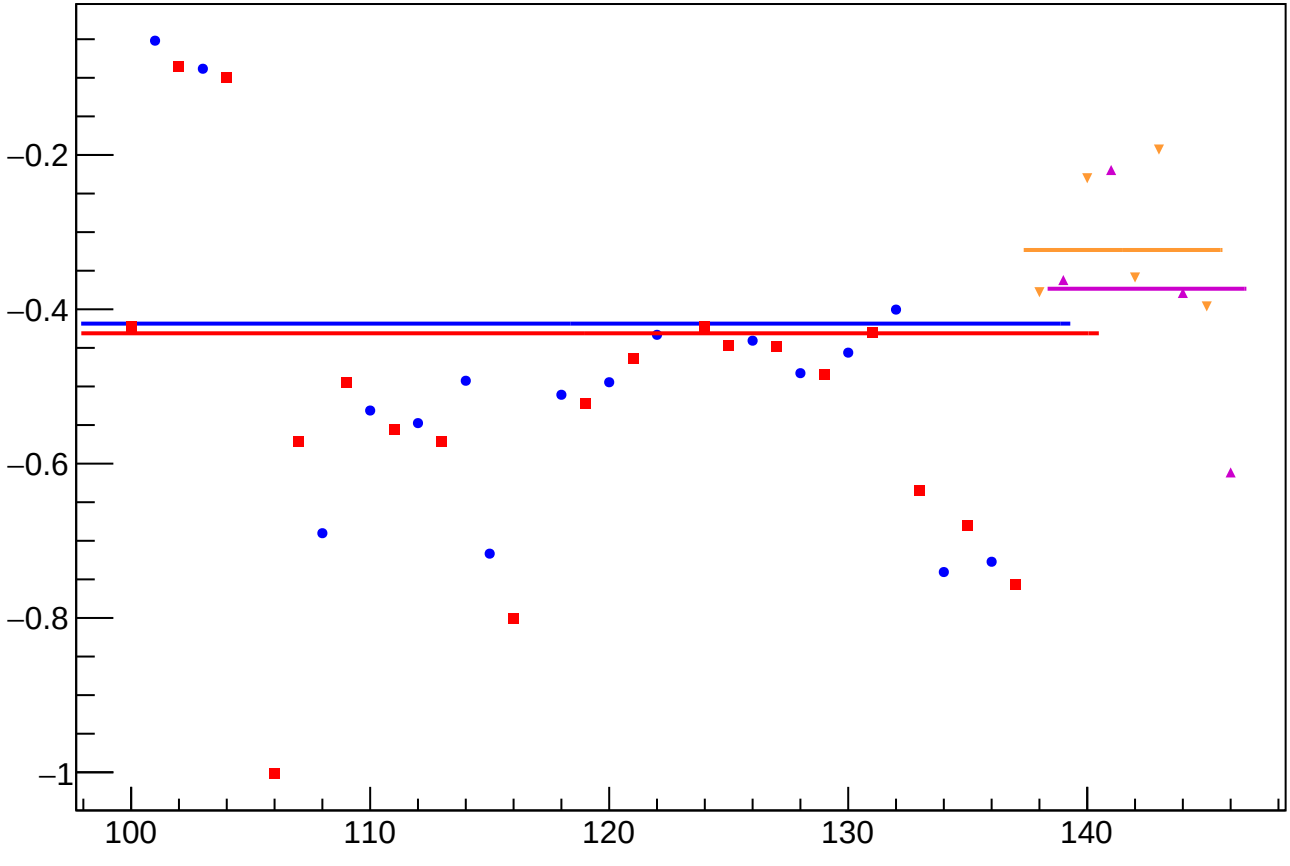
Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.073+/-0.000 χ^2/NDF:117760.7/19

Out: 0.073+/-0.000 χ^2/NDF:105622.0/23

All: 0.073+/-0.000 χ^2/NDF: 224116.7/43

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.323+/-0.000 χ^2/NDF:279390842.5/4

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.373+/-0.000 χ^2/NDF:593980691.8/3

Left: -0.347+/-0.000 χ^2/NDF: 925485336.2/8

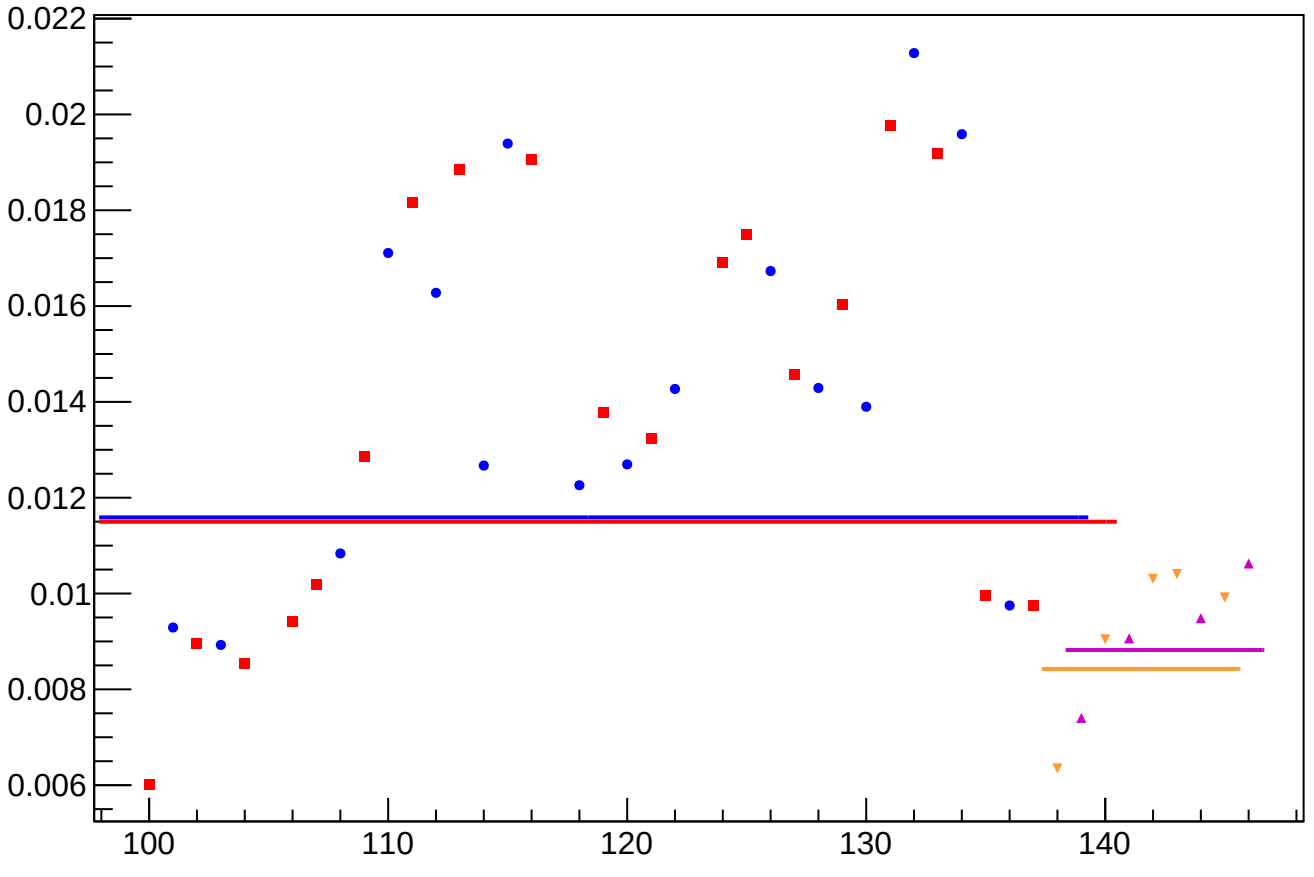
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.397+/-0.000 χ^2/NDF:3708646048.0/19

Out: -0.378+/-0.000 χ^2/NDF:3735758722.8/23

All: -0.387+/-0.000 χ^2/NDF: 7460303396.0/4

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:267102.9/4

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.009+/-0.000 χ^2/NDF:108683.4/3

Left: 0.009+/-0.000 χ^2/NDF: 382255.5/8

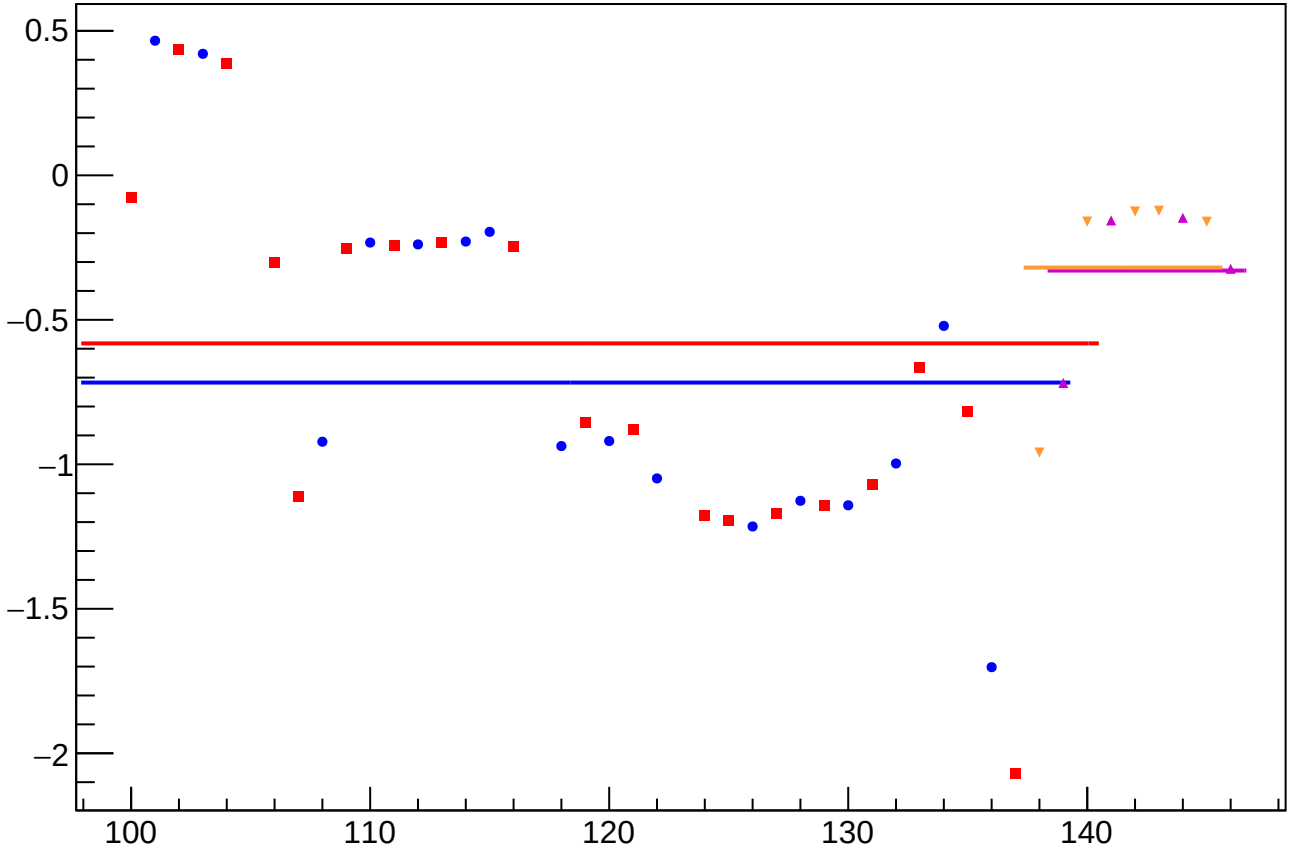
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.010+/-0.000 χ^2/NDF:1213615.3/19

Out: 0.010+/-0.000 χ^2/NDF:1852381.6/23

All: 0.010+/-0.000 χ^2/NDF: 3073725.2/43

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.319+/-0.000 χ^2/NDF:59503824.2/4

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.330+/-0.000 χ^2/NDF:26688194.0/3

Left: -0.324+/-0.000 χ^2/NDF: 86219679.5/8

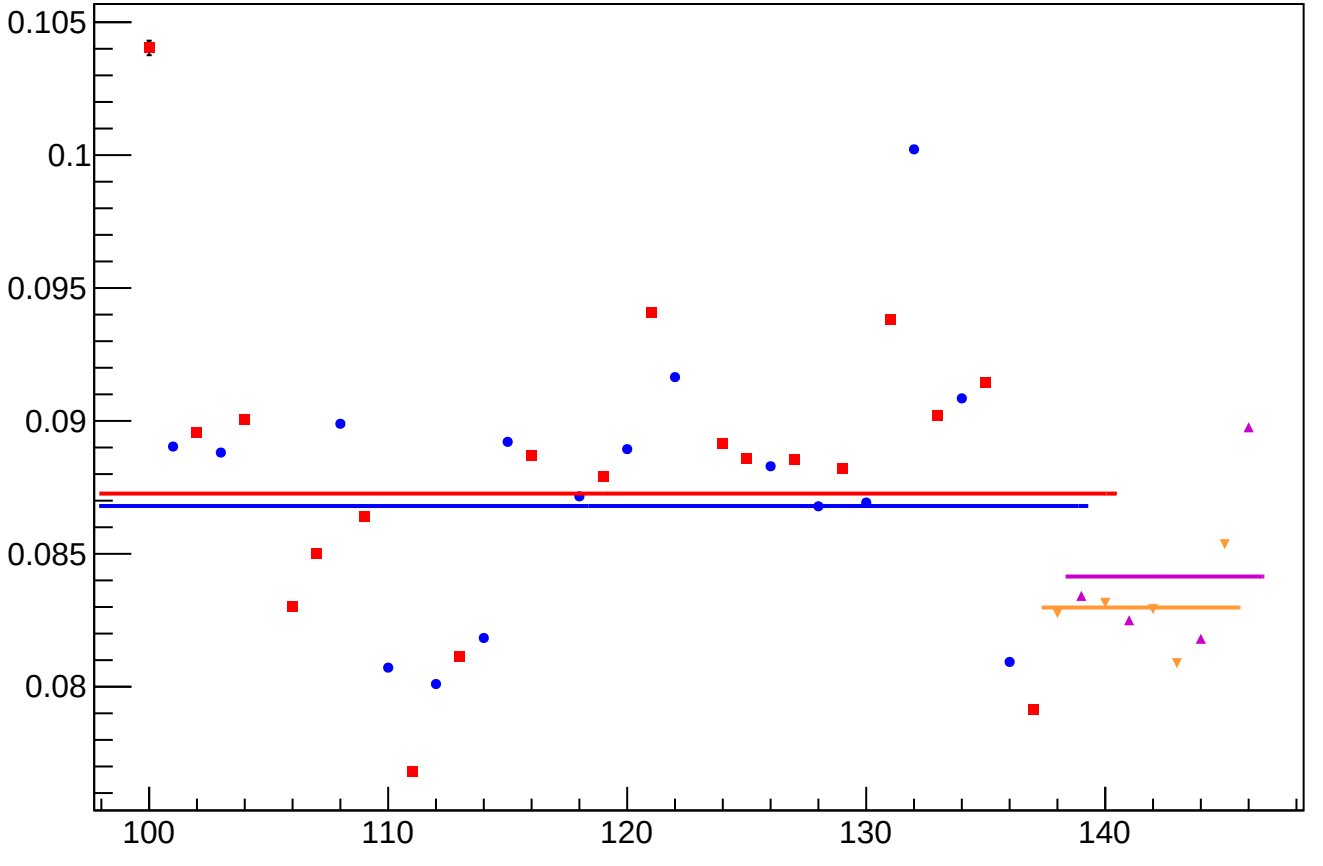
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.585+/-0.000 χ^2/NDF:512806123.7/19

Out: -0.489+/-0.000 χ^2/NDF:425192656.1/23

All: -0.536+/-0.000 χ^2/NDF: 944748040.8/43

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:2340.9/4

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.084+/-0.000 χ^2/NDF:9149.7/3

Left: 0.084+/-0.000 χ^2/NDF: 12183.5/8

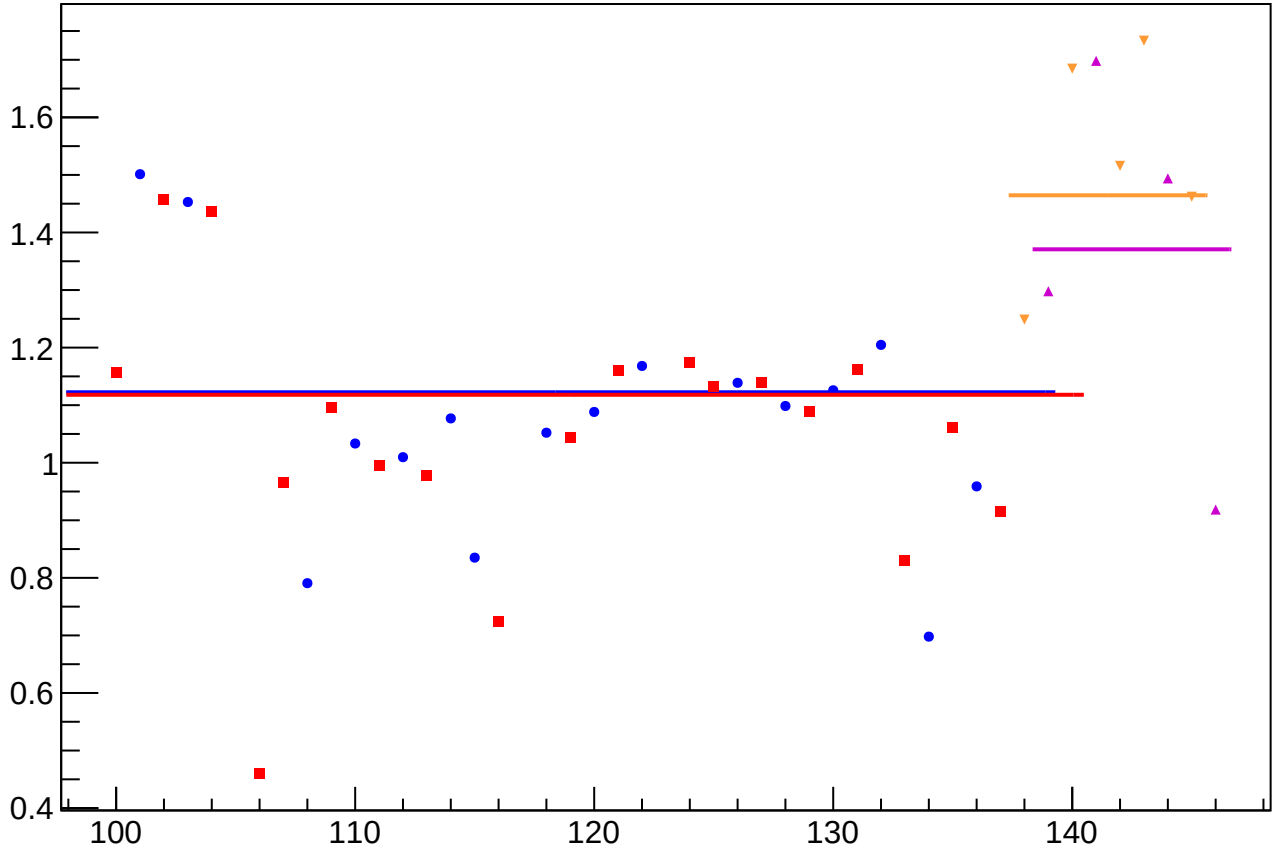
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:57288.5/19

Out: 0.086+/-0.000 χ^2/NDF:61113.3/23

All: 0.086+/-0.000 χ^2/NDF: 118428.2/43

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.465+/-0.000 χ^2/NDF:1225797003.9/4

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 1.371+/-0.000 χ^2/NDF:1674104017.7/3

Left: 1.420+/-0.000 χ^2/NDF: 3029157351.4/8

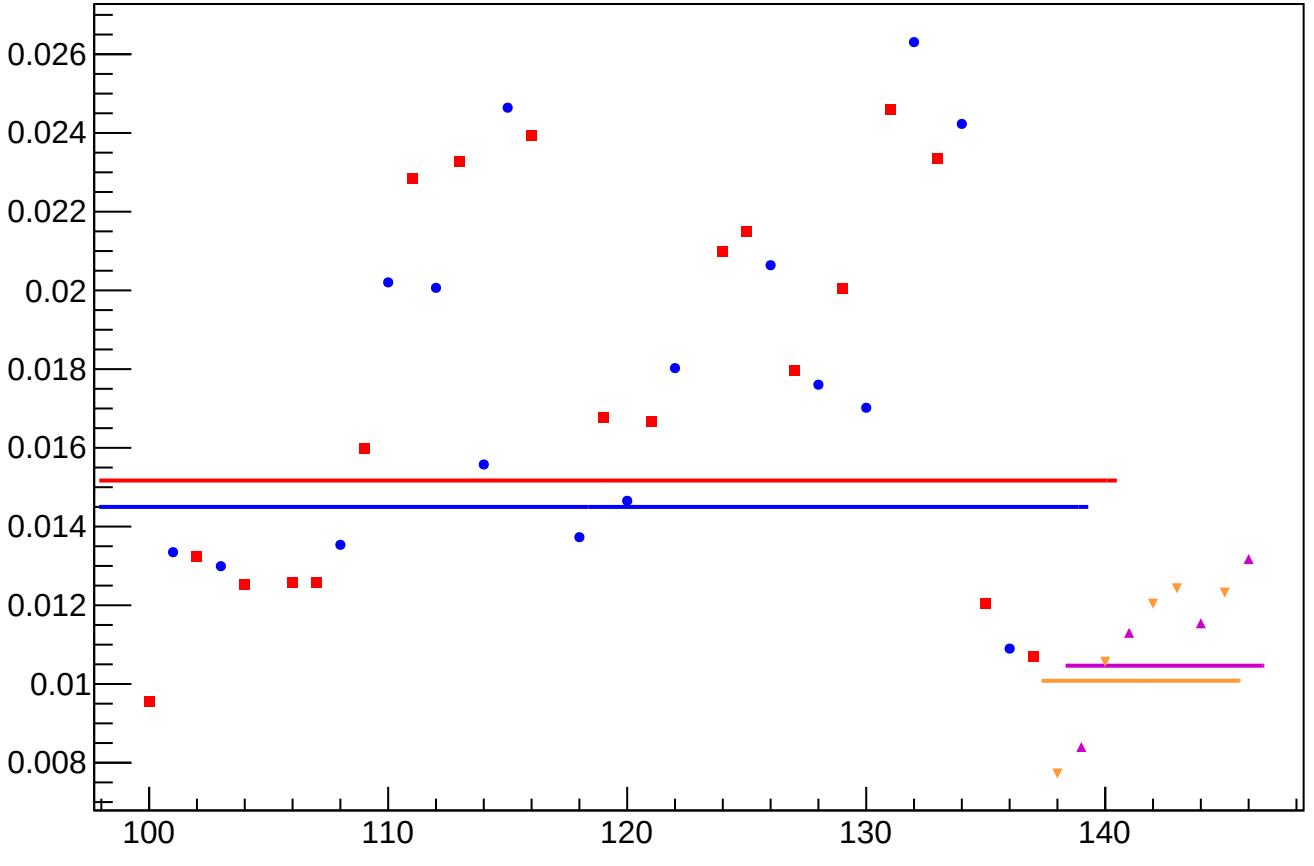
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 1.245+/-0.000 χ^2/NDF:3995093966.5/19

Out: 1.305+/-0.000 χ^2/NDF:4519045410.5/23

All: 1.275+/-0.000 χ^2/NDF: 8614294494.9/43

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:262126.8/4

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.010+/-0.000 χ^2/NDF:181667.0/3

Left: 0.010+/-0.000 χ^2/NDF: 448096.3/8

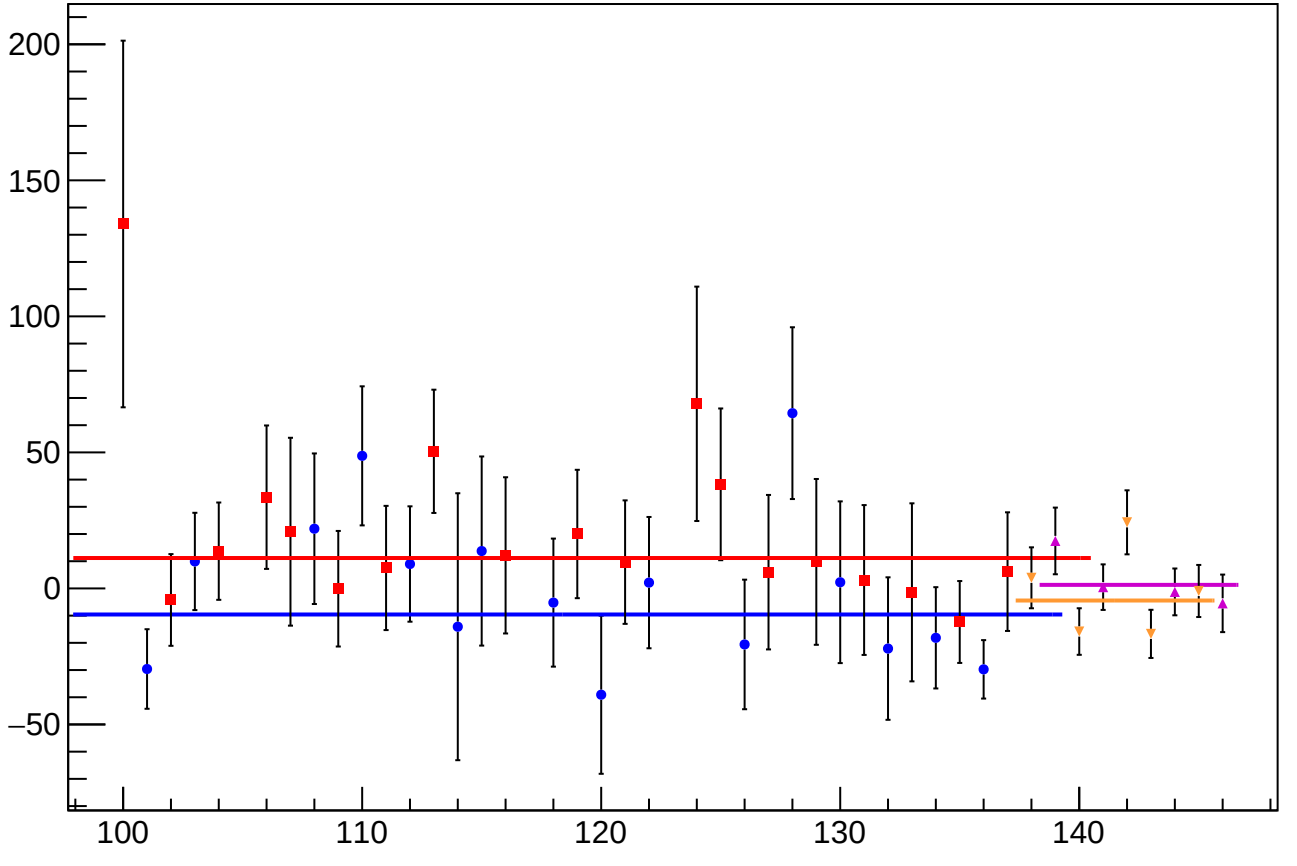
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.013+/-0.000 χ^2/NDF:1349246.0/19

Out: 0.012+/-0.000 χ^2/NDF:1869338.0/23

All: 0.012+/-0.000 χ^2/NDF: 3218876.3/43

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -4.443+/-4.363 χ^2/NDF:10.4/4

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.305+/-4.801 χ^2/NDF:2.3/3

Left: -1.843+/-3.229 χ^2/NDF: 13.4/8

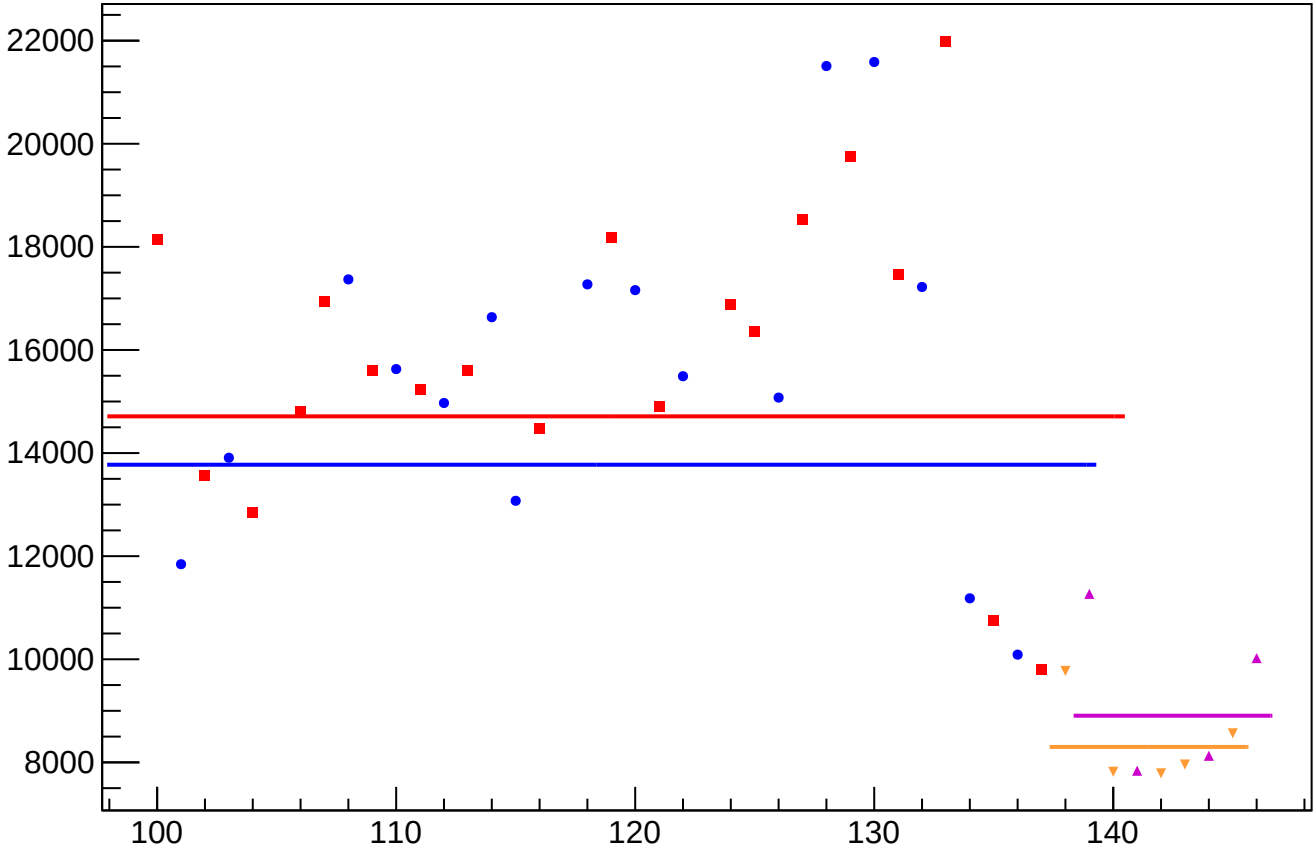
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -3.611+/-3.555 χ^2/NDF:26.5/19

Out: 1.594+/-3.417 χ^2/NDF:29.2/23

All: -0.906+/-2.464 χ^2/NDF: 56.8/43

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8299.435+/-3.085 χ^2/NDF:49278.9/4

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 8905.437+/-3.395 χ^2/NDF:145595.3/3

Left: 8573.542+/-2.283 χ^2/NDF: 212327.6/8

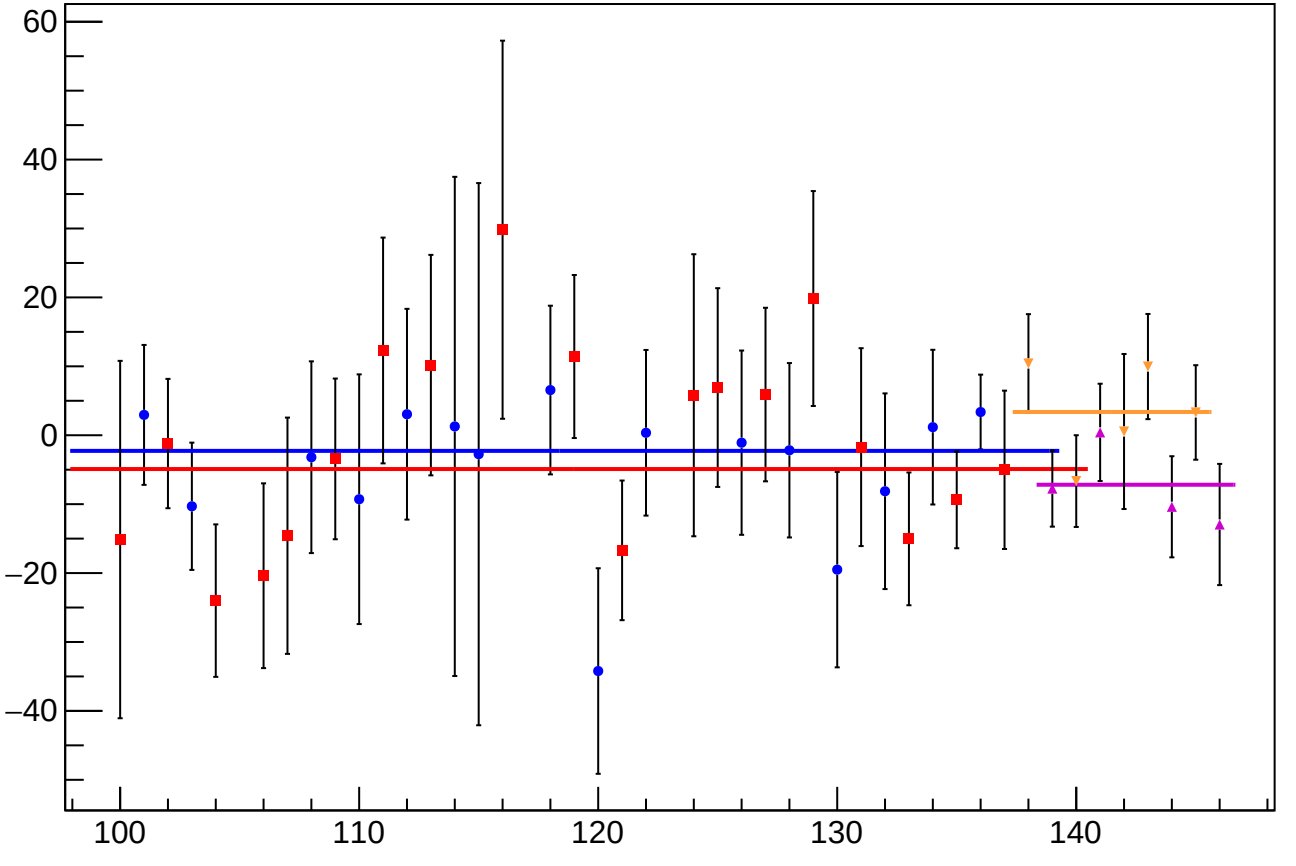
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 11103.883+/-2.514 χ^2/NDF:1821952.0/19

Out: 10777.736+/-2.416 χ^2/NDF:2276456.9/23

All: 10934.362+/-1.742 χ^2/NDF: 4107157.2/4

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.377+/-3.363 χ^2/NDF:4.0/4

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -7.182+/-3.443 χ^2/NDF:1.8/3

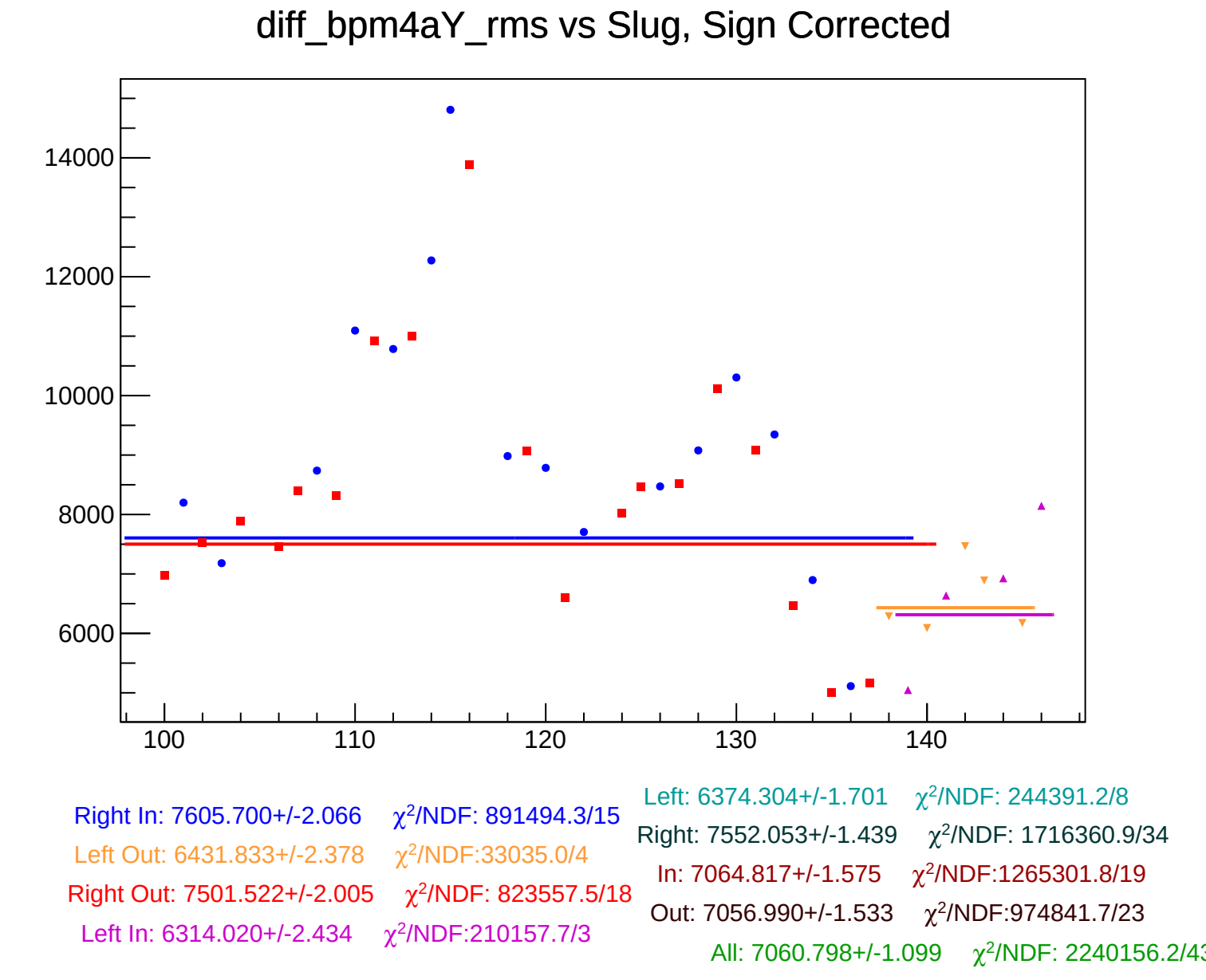
Left: -1.779+/-2.406 χ^2/NDF: 10.6/8

Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

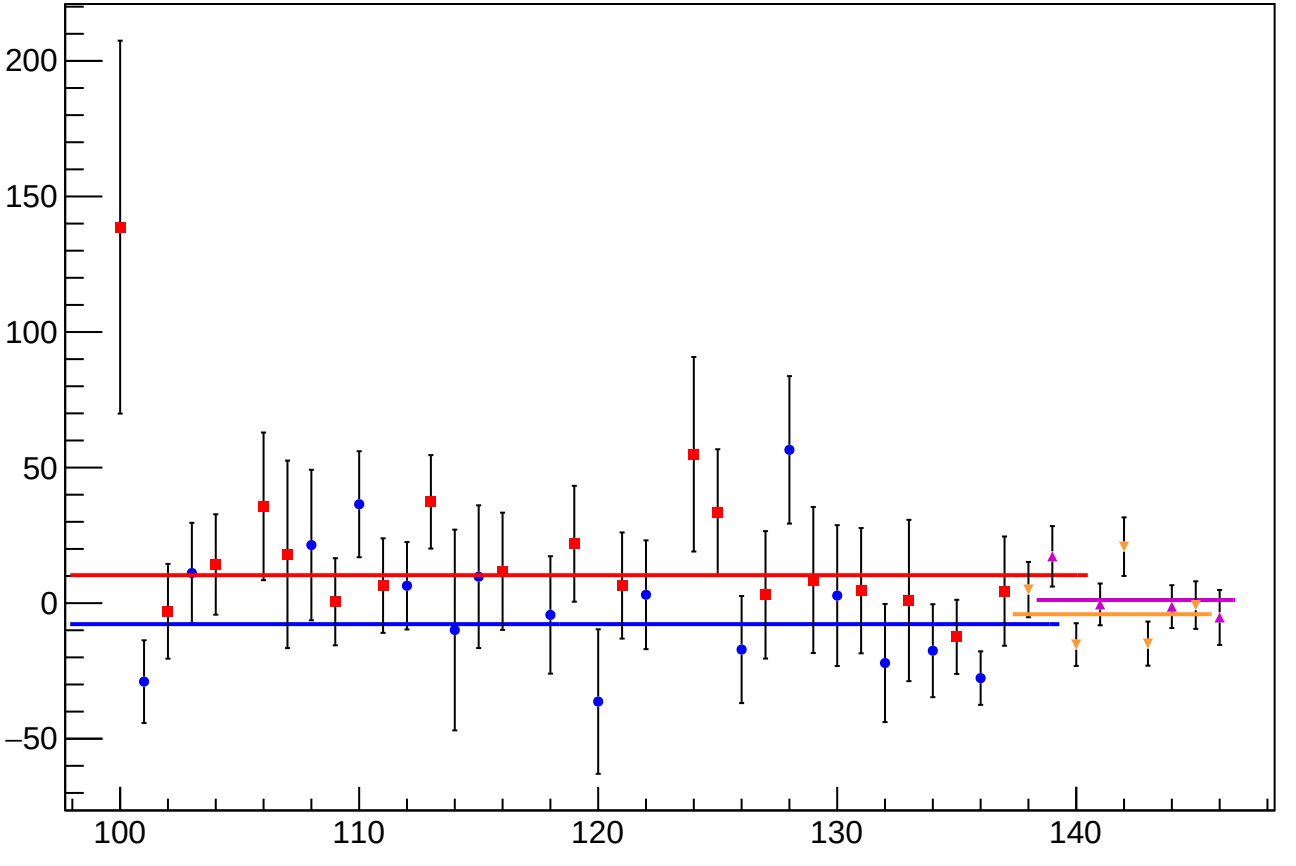
In: -4.325+/-2.228 χ^2/NDF:12.3/19

Out: -1.463+/-2.168 χ^2/NDF:25.2/23

All: -2.855+/-1.554 χ^2/NDF: 38.3/43


diff_bpm4aY_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
Right In: 7605.700+/-2.066 χ²/NDF: 891494.3/15
Left Out: 6431.833+/-2.378 χ²/NDF:33035.0/4
Right Out: 7501.522+/-2.005 χ²/NDF: 823557.5/18
Left In: 6314.020+/-2.434 χ²/NDF:210157.7/3
Left: 6374.304+/-1.701 χ²/NDF: 244391.2/8
Right: 7552.053+/-1.439 χ²/NDF: 1716360.9/34
In: 7064.817+/-1.575 χ²/NDF:1265301.8/19
Out: 7056.990+/-1.533 χ²/NDF:974841.7/23
All: 7060.798+/-1.099 χ²/NDF: 2240156.2/43

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -4.080+/-4.003 χ^2/NDF:10.1/4

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 1.170+/-4.444 χ^2/NDF:2.6/3

Left: -1.728+/-2.974 χ^2/NDF: 13.5/8

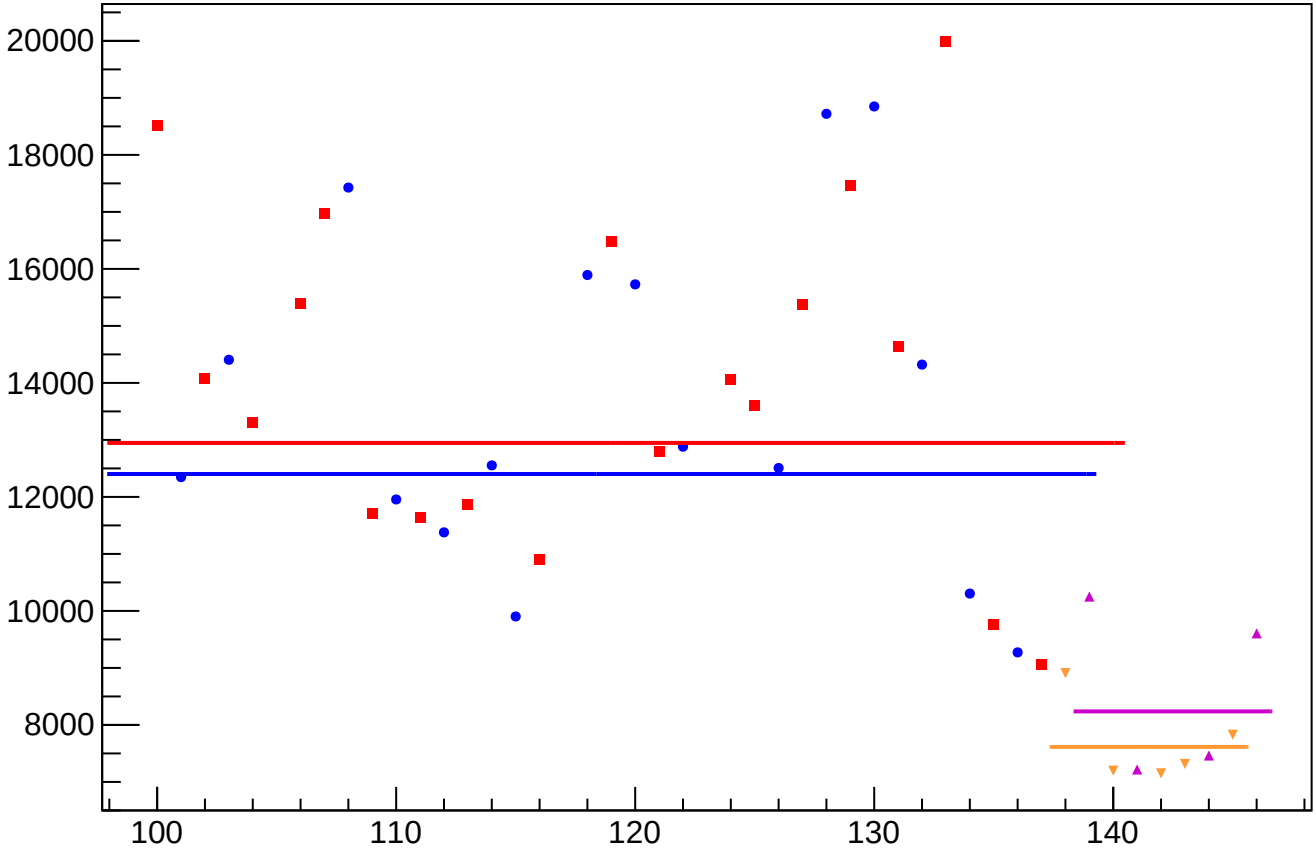
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -2.990+/-3.244 χ^2/NDF:27.2/19

Out: 1.765+/-3.085 χ^2/NDF:29.2/23

All: -0.493+/-2.236 χ^2/NDF: 57.5/43

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 7614.263+/-2.831 χ^2/NDF:45334.7/4

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8237.255+/-3.142 χ^2/NDF:155964.6/3

Left: 7893.359+/-2.103 χ^2/NDF: 222998.9/8

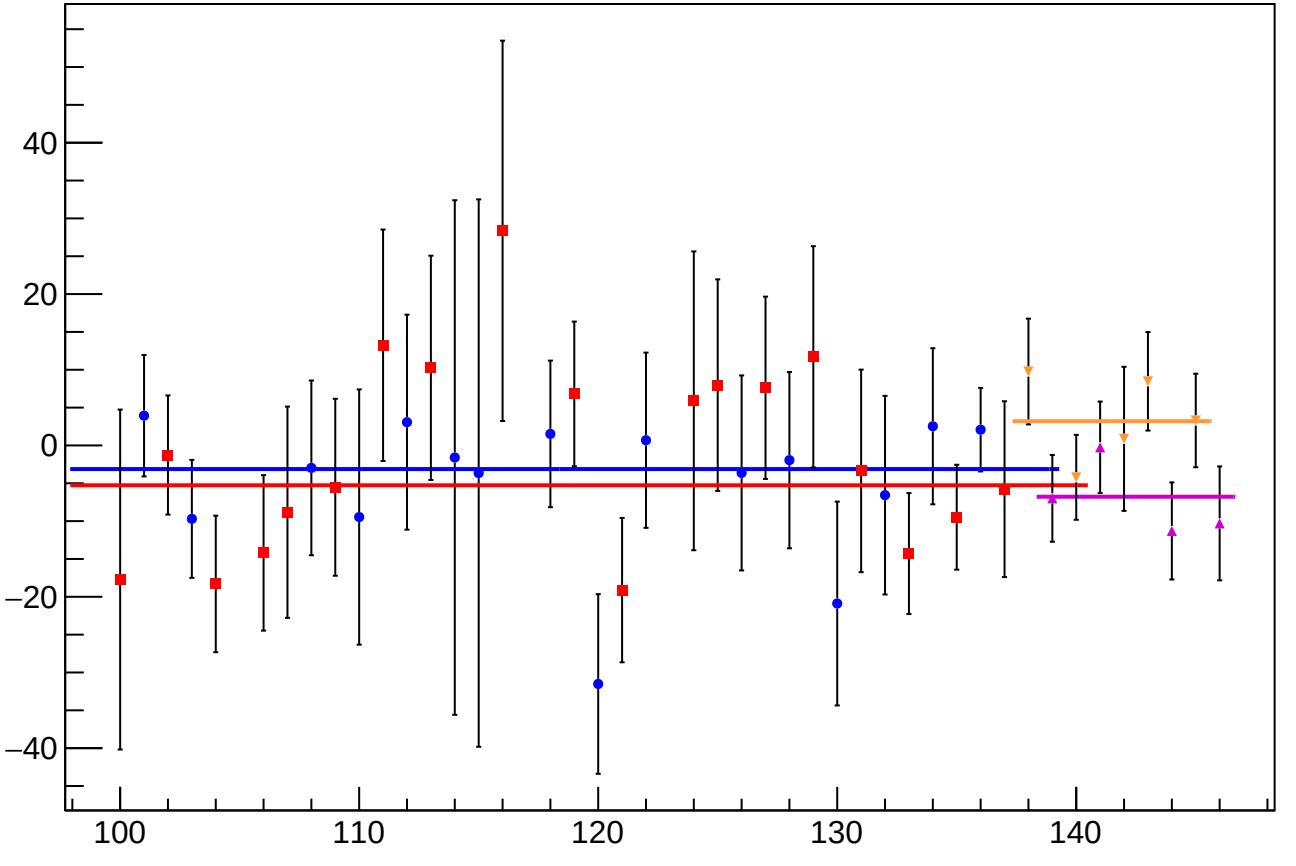
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 10181.722+/-2.294 χ^2/NDF:1654448.1/19

Out: 9780.752+/-2.181 χ^2/NDF:2042454.5/23

All: 9971.122+/-1.581 χ^2/NDF: 3712946.7/43

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.203+/-2.974 χ^2/NDF:3.3/4

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -6.779+/-3.167 χ^2/NDF:1.9/3

Left: -1.475+/-2.168 χ^2/NDF: 10.5/8

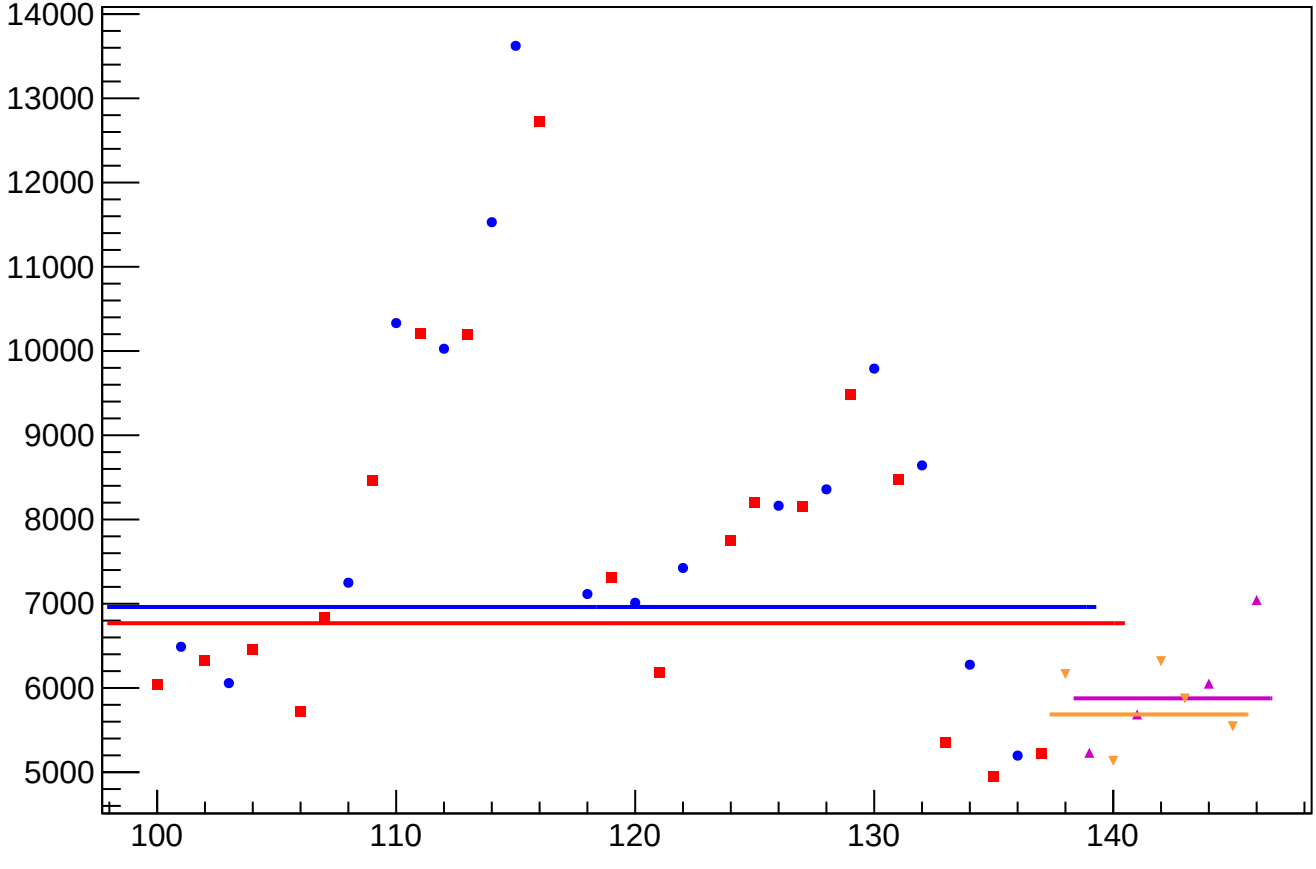
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -4.633+/-2.035 χ^2/NDF:13.6/19

Out: -1.672+/-1.937 χ^2/NDF:24.9/23

All: -3.080+/-1.403 χ^2/NDF: 39.6/43

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5686.095+/-2.103 χ^2/NDF:40221.3/4

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 5876.845+/-2.239 χ^2/NDF:76980.7/3

Left: 5775.490+/-1.533 χ^2/NDF: 121058.1/8

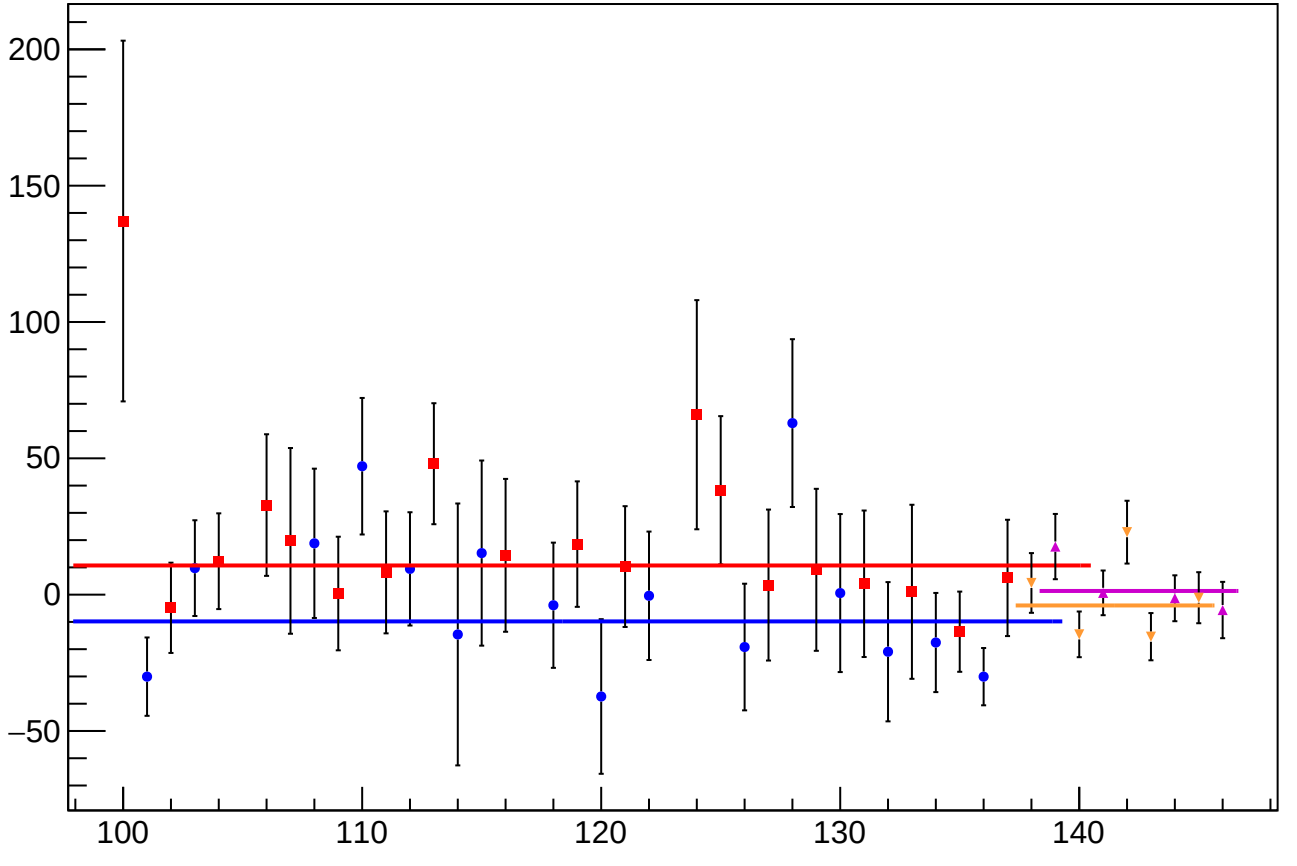
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6513.699+/-1.439 χ^2/NDF:911176.8/19

Out: 6309.536+/-1.370 χ^2/NDF:990992.9/23

All: 6406.600+/-0.992 χ^2/NDF: 1912731.5/43

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -3.961+/-4.269 χ^2/NDF:9.5/4

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 1.353+/-4.696 χ^2/NDF:2.4/3

Left: -1.556+/-3.159 χ^2/NDF: 12.6/8

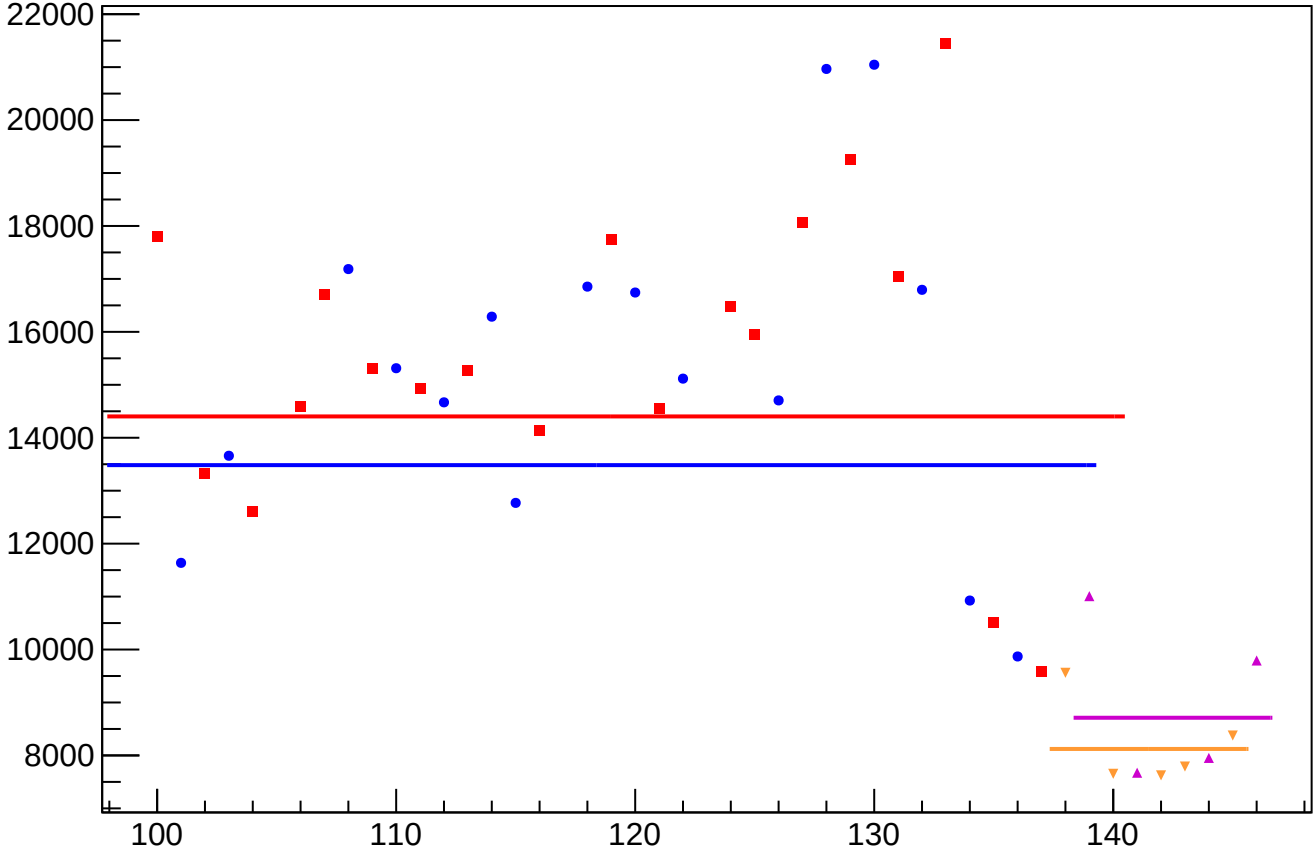
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -3.684+/-3.478 χ^2/NDF:27.0/19

Out: 1.704+/-3.344 χ^2/NDF:28.3/23

All: -0.884+/-2.411 χ^2/NDF: 56.6/43

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8122.415+/-3.019 χ^2/NDF:48932.9/4

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8711.668+/-3.320 χ^2/NDF:143880.8/3

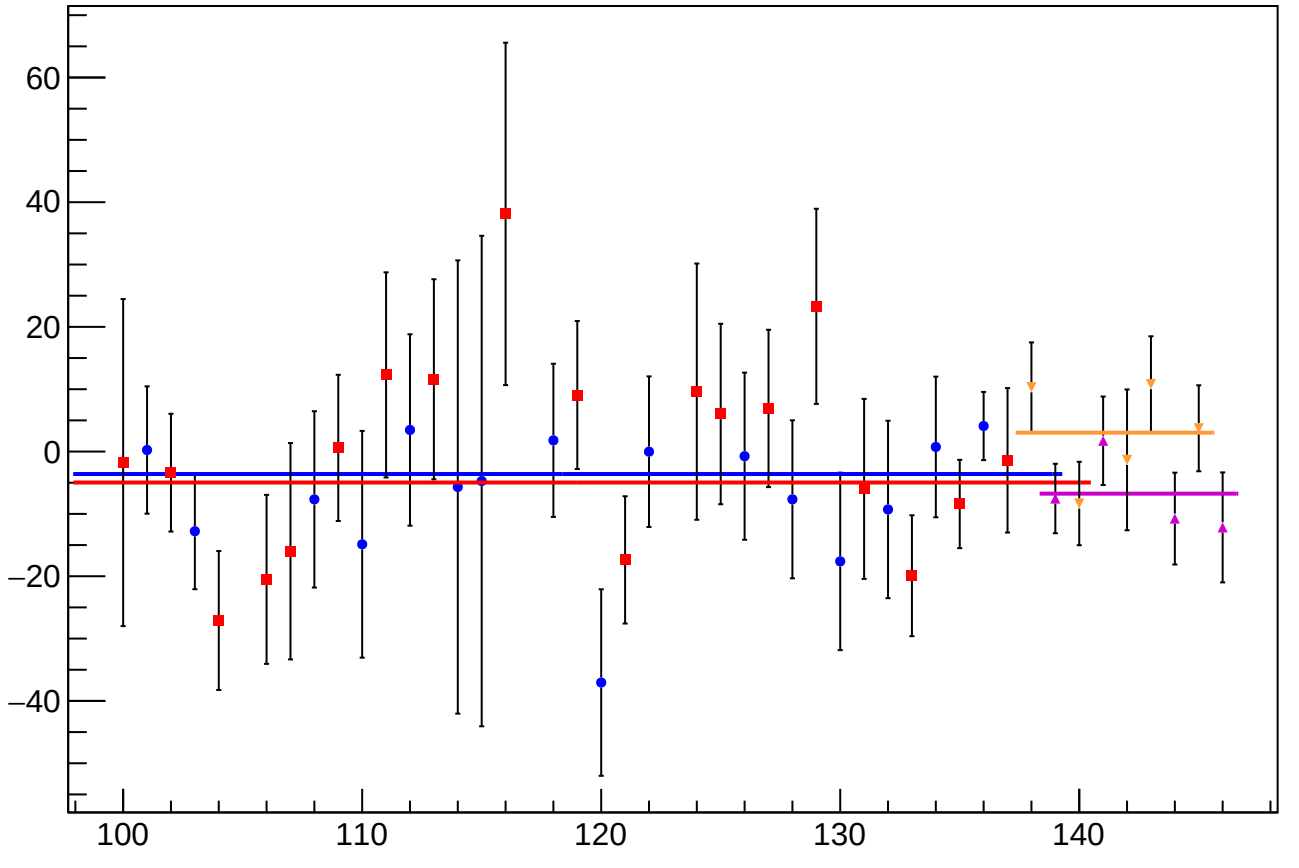
Left: 8389.087+/-2.234 χ^2/NDF: 210056.1/8

Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10864.665+/-2.460 χ^2/NDF:1819400.2/19

Out: 10548.766+/-2.365 χ^2/NDF:2273412.8/23

All: 10700.515+/-1.705 χ^2/NDF: 4101384.7/4



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.030+/-3.381 χ^2/NDF:5.1/4

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -6.752+/-3.463 χ^2/NDF:2.1/3

Left: -1.742+/-2.419 χ^2/NDF: 11.3/8

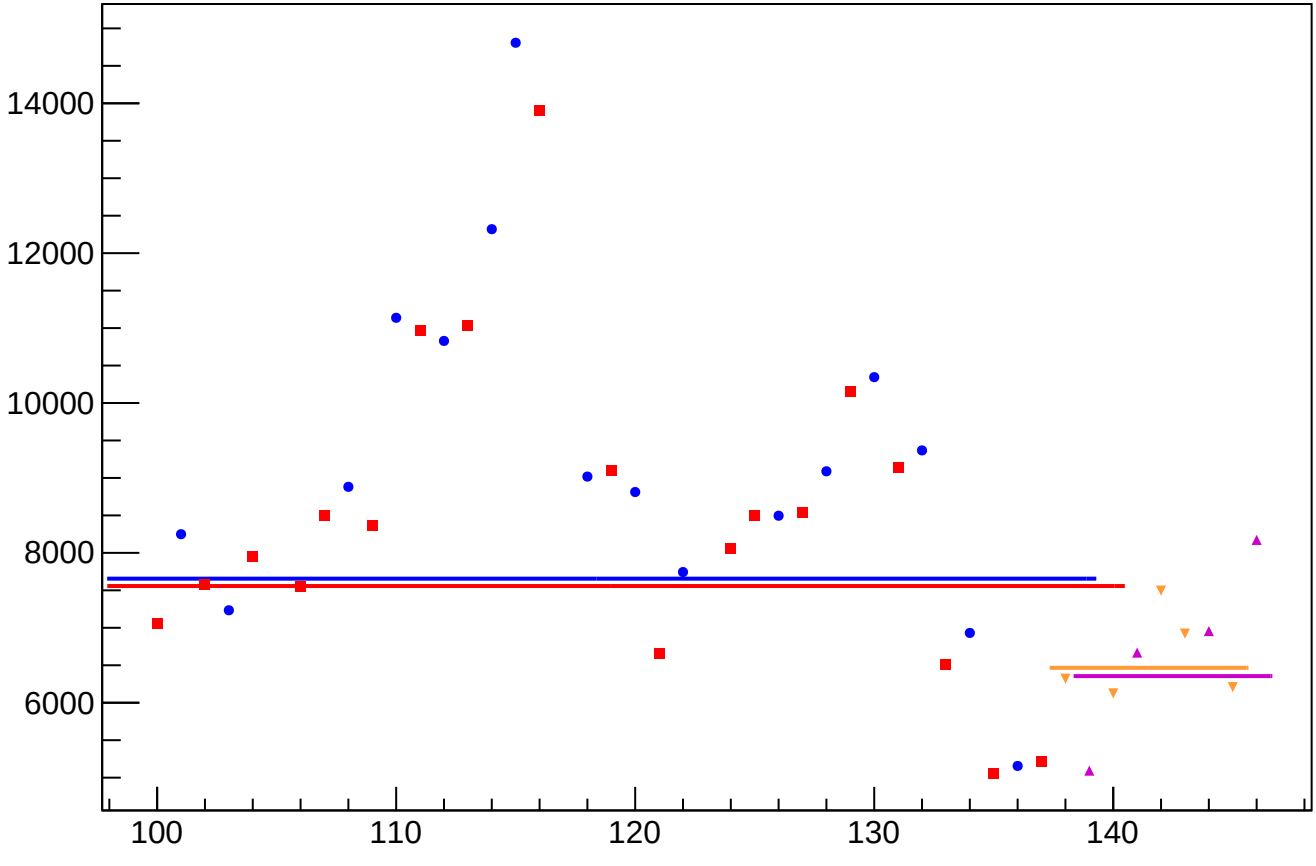
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -4.923+/-2.241 χ^2/NDF:13.1/19

Out: -1.636+/-2.181 χ^2/NDF:29.7/23

All: -3.235+/-1.563 χ^2/NDF: 43.9/43

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6465.859+/-2.390 χ^2/NDF:32551.9/4

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6355.364+/-2.449 χ^2/NDF:204730.9/3

Left: 6411.948+/-1.711 χ^2/NDF: 238325.3/8

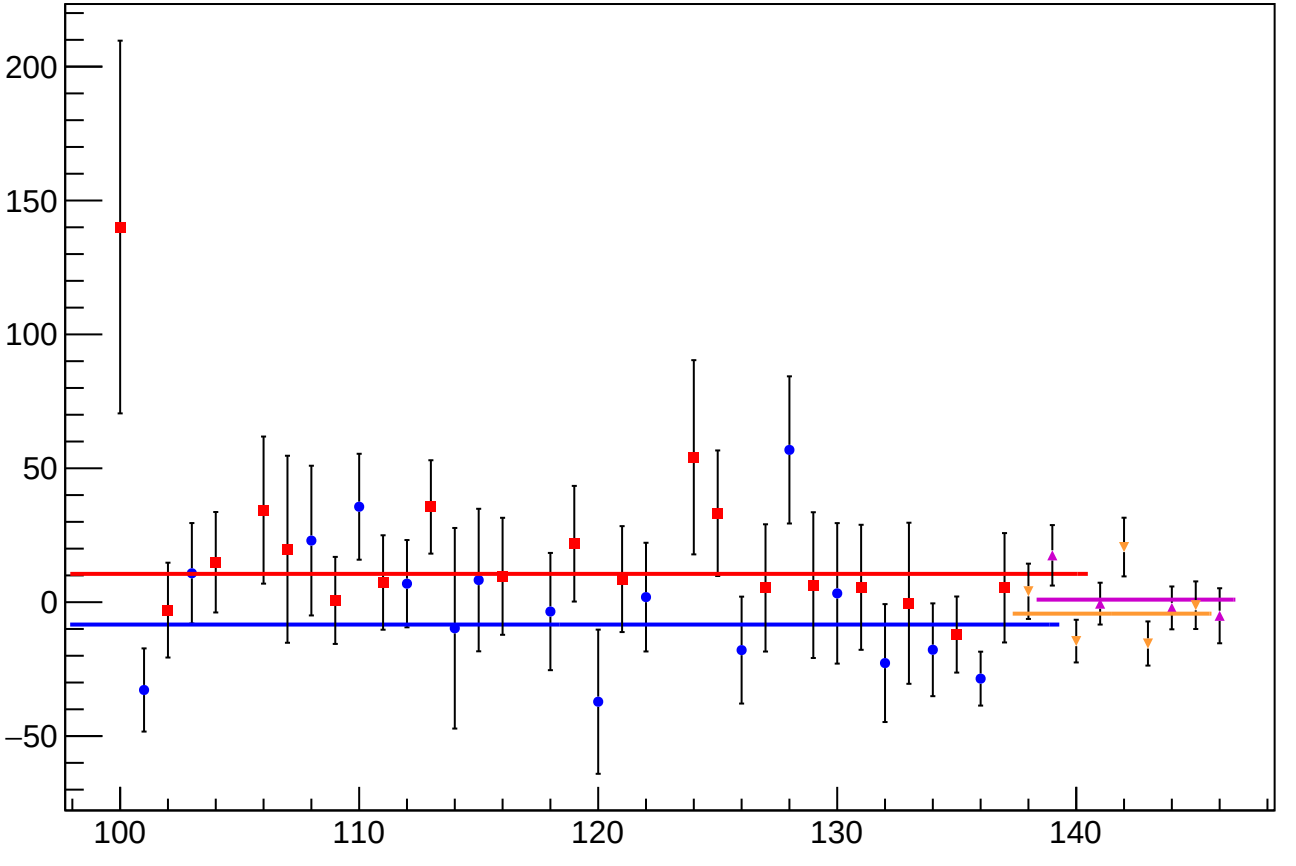
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7111.206+/-1.585 χ^2/NDF:1248397.5/19

Out: 7102.957+/-1.542 χ^2/NDF:964125.9/23

All: 7106.970+/-1.105 χ^2/NDF: 2212537.3/43

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -4.282+/-4.055 χ^2/NDF:9.4/4

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 0.954+/-4.503 χ^2/NDF:2.7/3

Left: -1.937+/-3.013 χ^2/NDF: 12.8/8

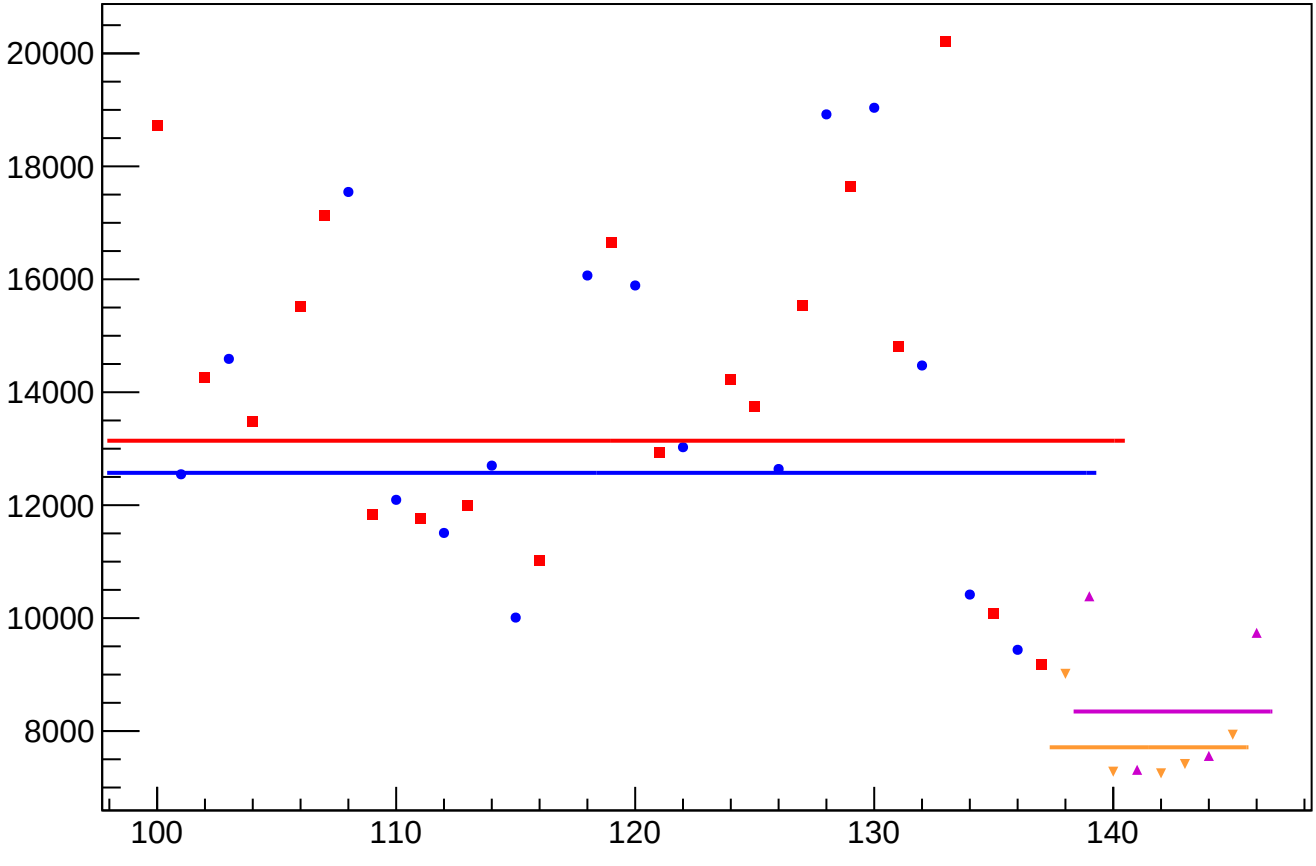
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -3.389+/-3.288 χ^2/NDF:27.9/19

Out: 1.740+/-3.127 χ^2/NDF:27.8/23

All: -0.695+/-2.266 χ^2/NDF: 57.0/43

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 7712.414+/-2.867 χ^2/NDF:45015.4/4

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8346.106+/-3.184 χ^2/NDF:156344.4/3

Left: 7996.194+/-2.131 χ^2/NDF: 223235.0/8

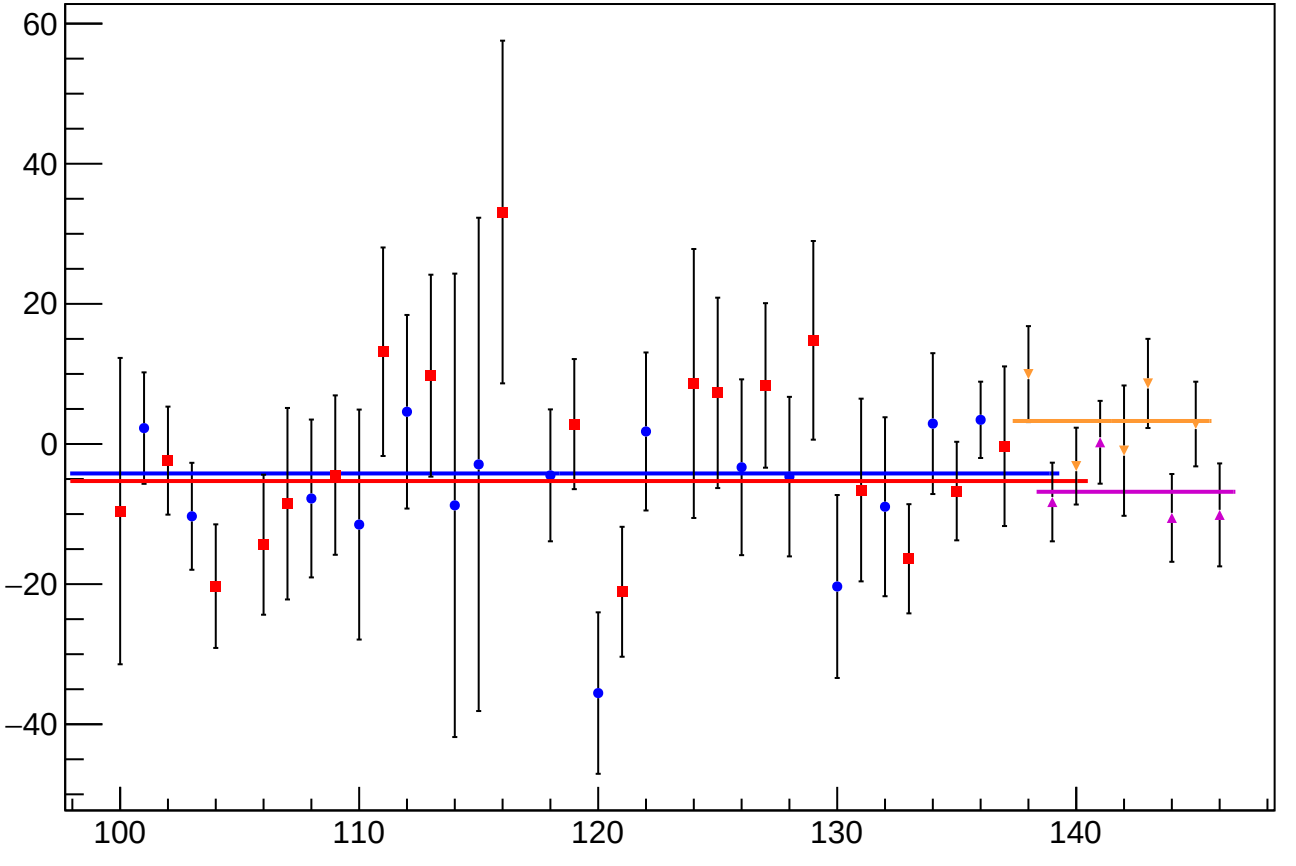
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10318.321+/-2.325 χ^2/NDF:1643703.9/19

Out: 9913.133+/-2.211 χ^2/NDF:2033055.1/23

All: 10105.529+/-1.602 χ^2/NDF: 3692706.7/4

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.284+/-2.908 χ^2/NDF:3.3/4

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -6.821+/-3.095 χ^2/NDF:2.1/3

Left: -1.454+/-2.119 χ^2/NDF: 11.0/8

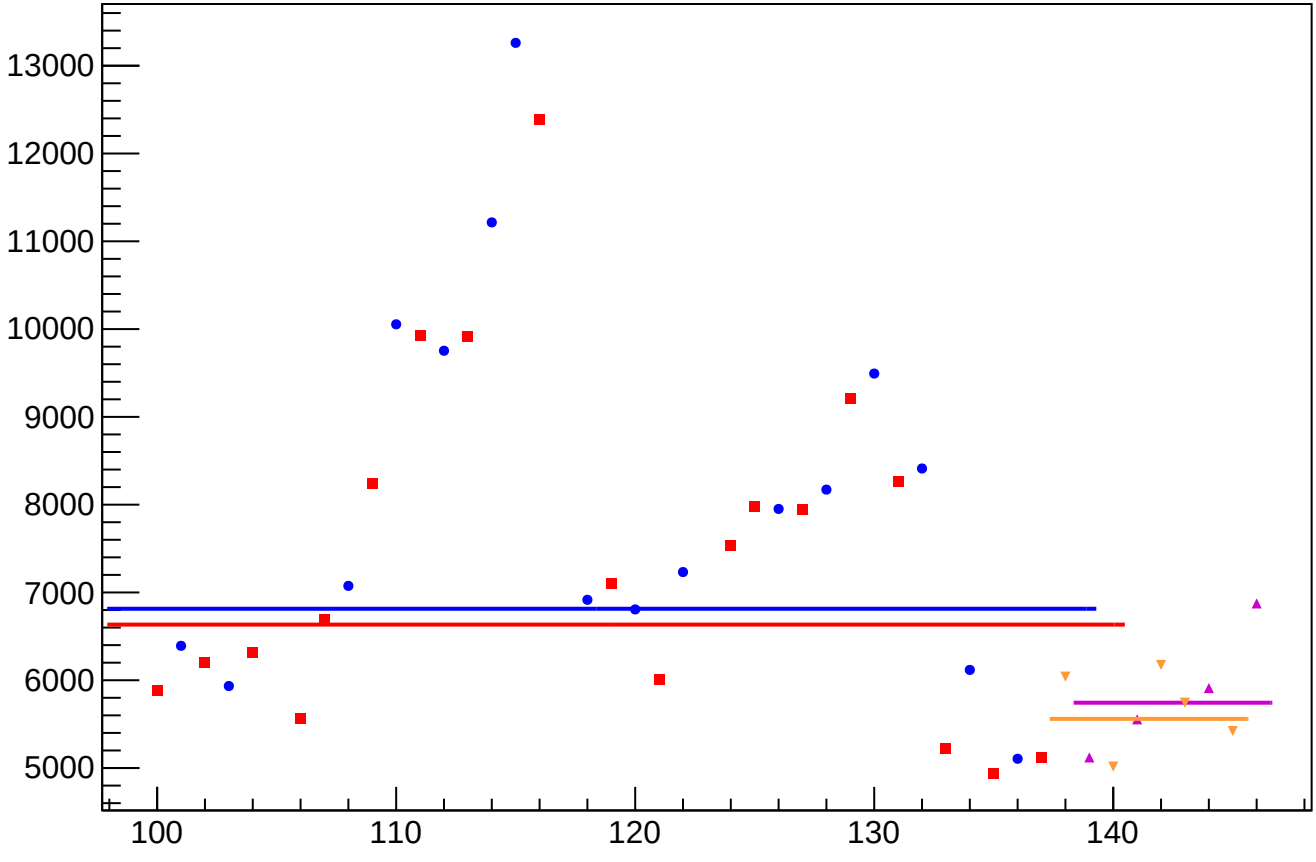
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -5.287+/-1.991 χ^2/NDF:16.3/19

Out: -1.642+/-1.897 χ^2/NDF:28.0/23

All: -3.376+/-1.373 χ^2/NDF: 46.1/43

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5560.239+/-2.056 χ^2/NDF:40926.3/4

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5744.379+/-2.189 χ^2/NDF:75525.6/3

Left: 5646.582+/-1.499 χ^2/NDF: 120211.6/8

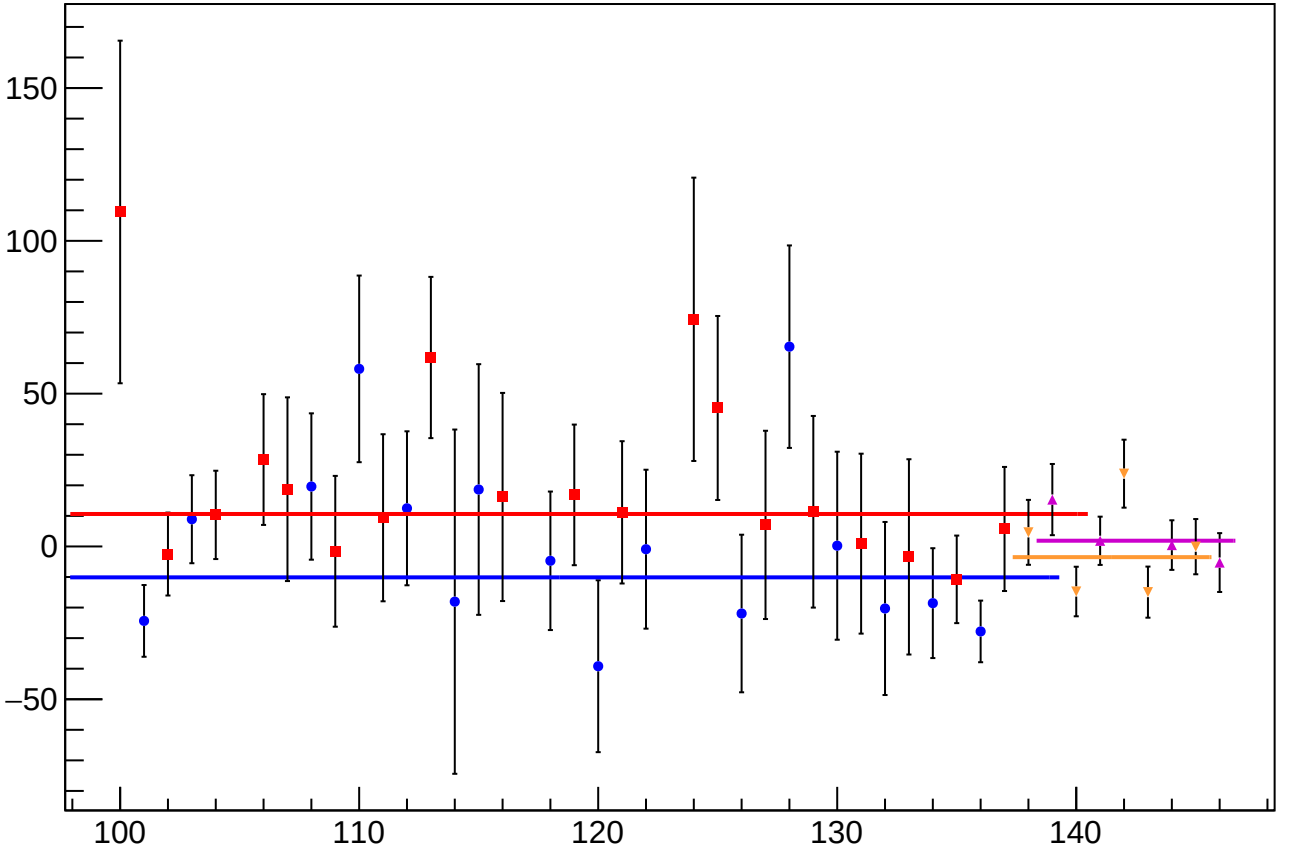
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6371.572+/-1.408 χ^2/NDF:889716.2/19

Out: 6177.109+/-1.341 χ^2/NDF:960862.2/23

All: 6269.628+/-0.971 χ^2/NDF: 1860580.9/43

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -3.500+/-4.127 χ^2/NDF:10.6/4

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.877+/-4.500 χ^2/NDF:1.9/3

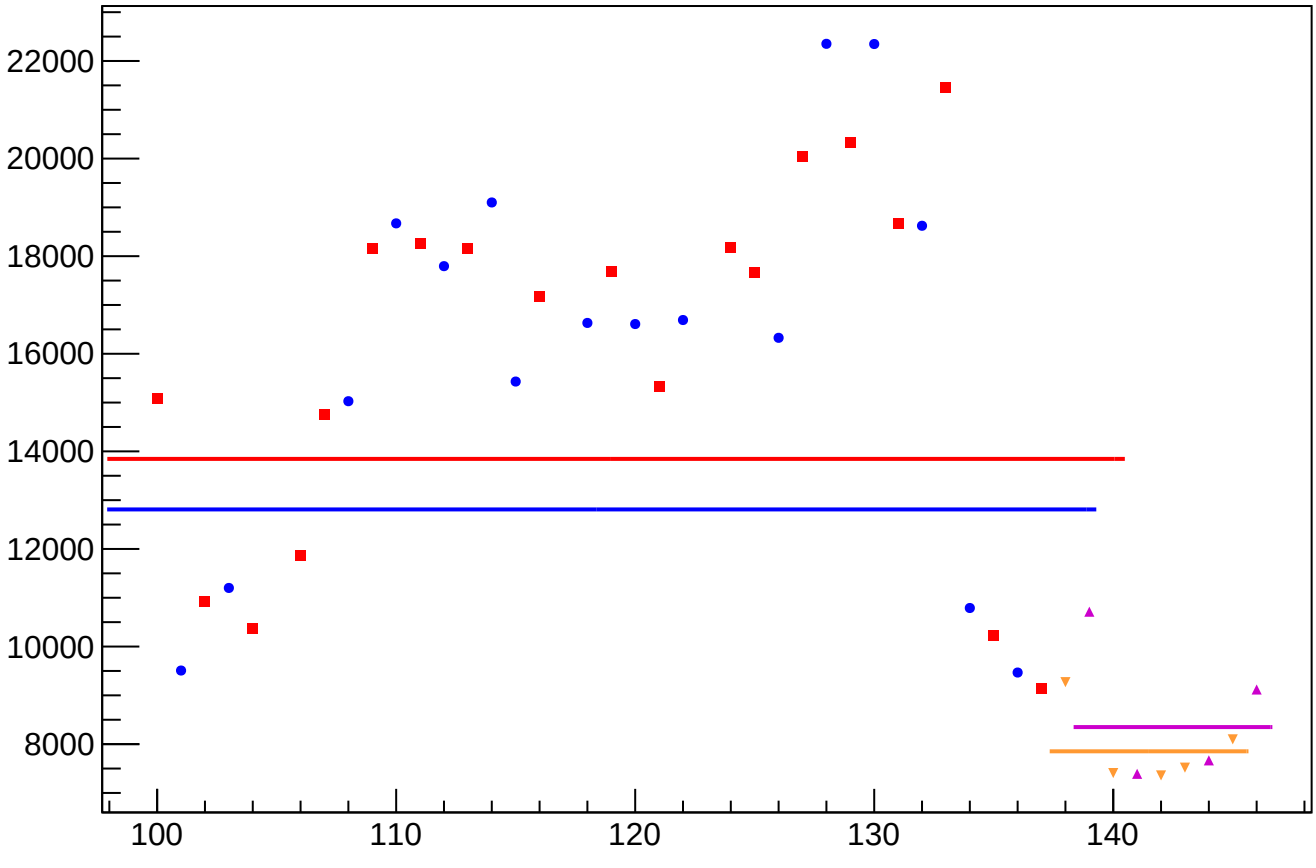
Left: -1.044+/-3.042 χ^2/NDF: 13.3/8

Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -3.468+/-3.350 χ^2/NDF:26.3/19

Out: 1.860+/-3.251 χ^2/NDF:29.7/23

All: -0.724+/-2.333 χ^2/NDF: 57.4/43



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 7853.146+/-2.918 χ^2/NDF:50275.2/4

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8349.877+/-3.182 χ^2/NDF:138756.1/3

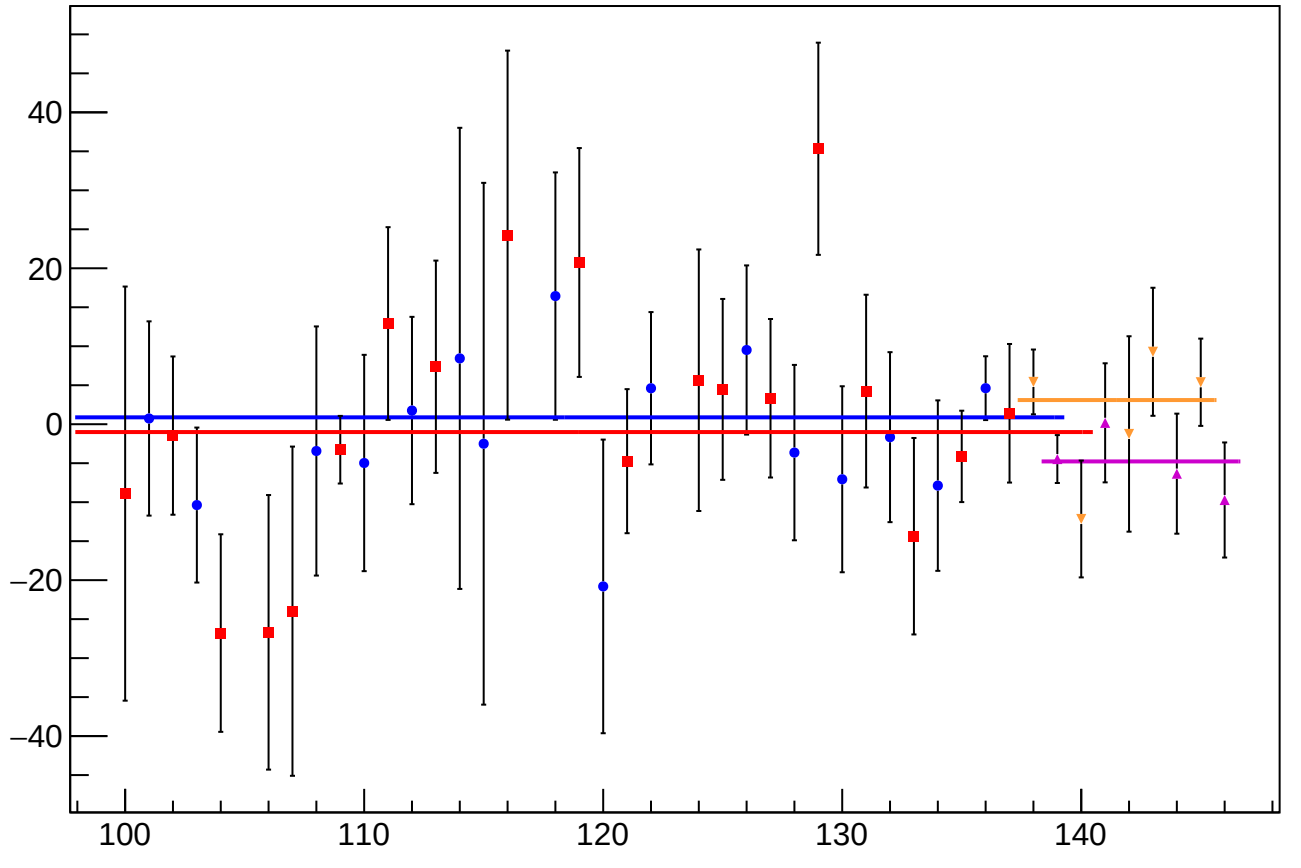
Left: 8080.087+/-2.151 χ^2/NDF: 202268.4/8

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 10338.138+/-2.369 χ^2/NDF:2262926.8/19

Out: 10127.558+/-2.299 χ^2/NDF:2747244.7/23

All: 10229.688+/-1.650 χ^2/NDF: 5014241.7/4



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 3.099+/-2.786 χ^2/NDF:5.3/4

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -4.773+/-2.513 χ^2/NDF:0.9/3

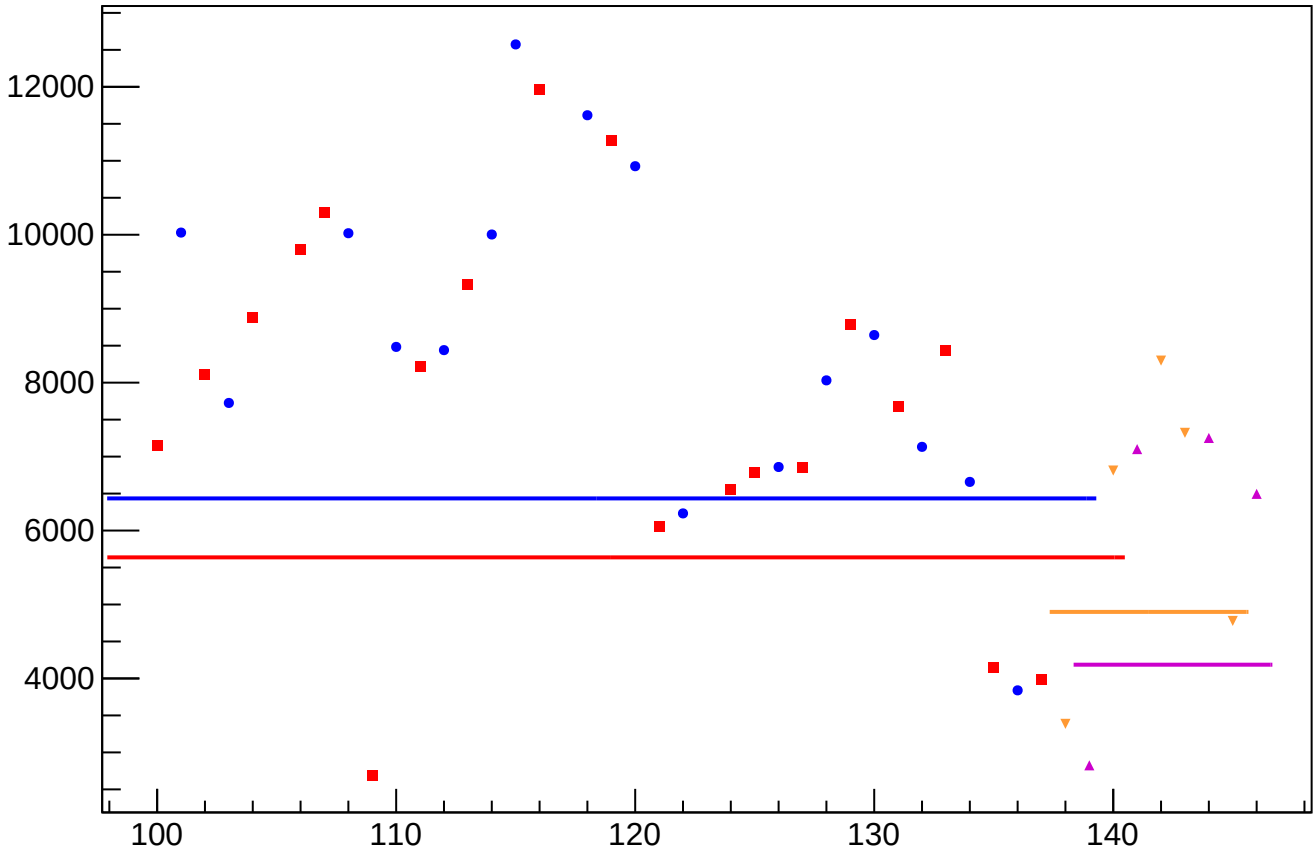
Left: -1.240+/-1.866 χ^2/NDF: 10.6/8

Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -2.004+/-1.796 χ^2/NDF:10.2/19

Out: 0.670+/-1.780 χ^2/NDF:28.9/23

All: -0.655+/-1.264 χ^2/NDF: 40.2/43



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 4899.967+/-1.970 χ^2/NDF:717608.0/4

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4186.051+/-1.777 χ^2/NDF:1196977.8/3

Left: 4506.428+/-1.319 χ^2/NDF: 1987001.3/8

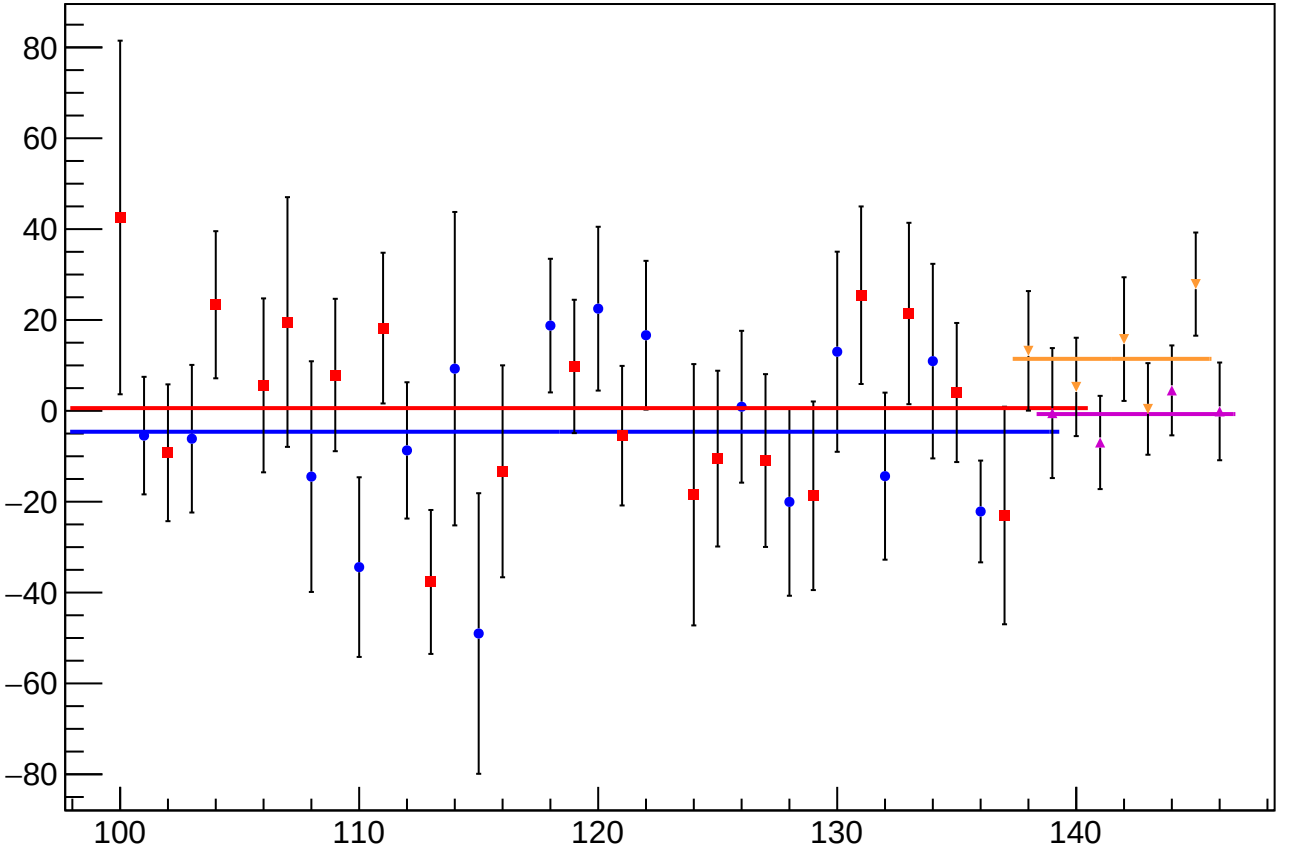
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5286.968+/-1.270 χ^2/NDF:3731330.2/19

Out: 5336.284+/-1.259 χ^2/NDF:3380547.2/23

All: 5311.842+/-0.894 χ^2/NDF: 7112638.4/43

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 11.444+/-5.177 χ^2/NDF:3.7/4

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -0.710+/-5.485 χ^2/NDF:0.7/3

Left: 5.718+/-3.765 χ^2/NDF: 7.0/8

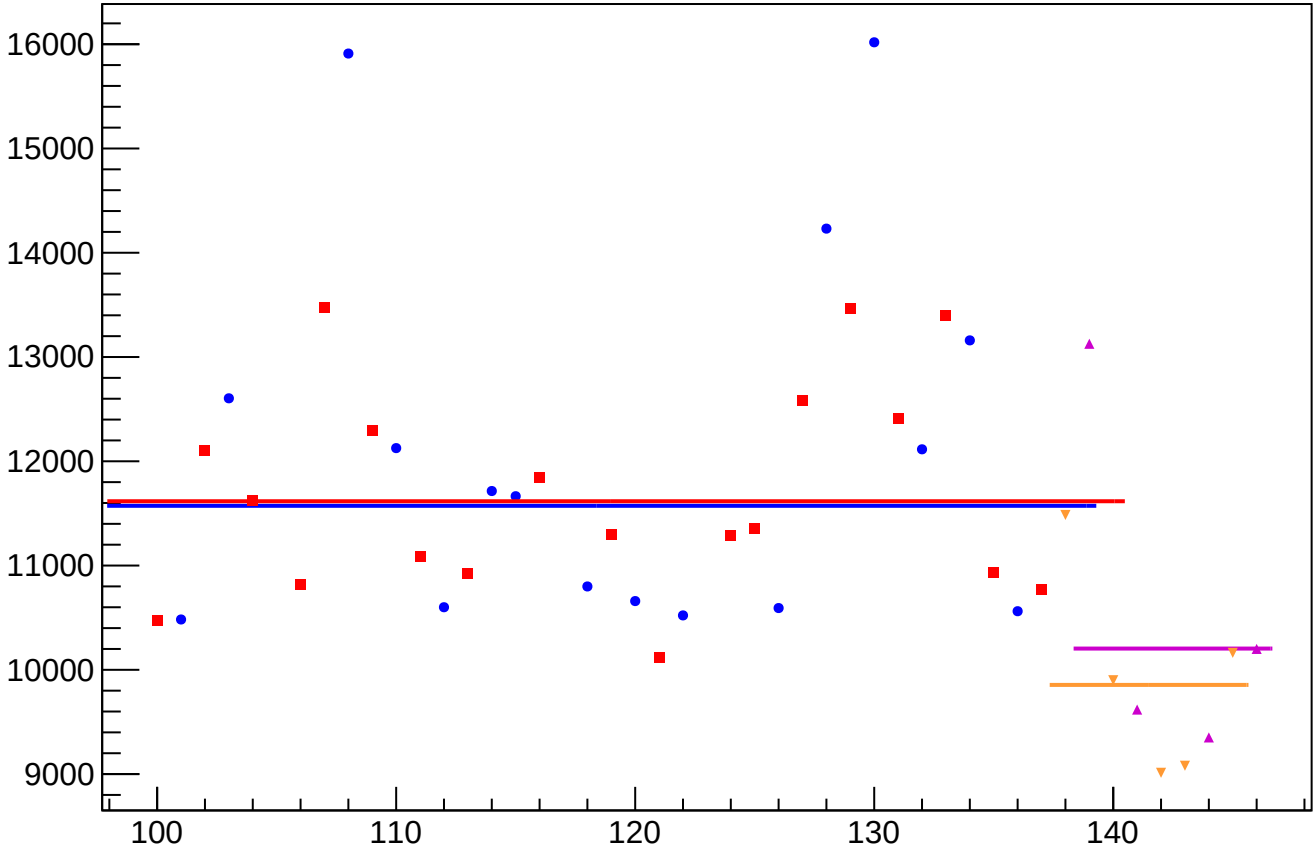
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -3.097+/-3.411 χ^2/NDF:16.7/19

Out: 4.986+/-3.293 χ^2/NDF:24.2/23

All: 1.087+/-2.369 χ^2/NDF: 43.9/43

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 9855.229+/-3.661 χ^2/NDF:51688.8/4

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 10203.770+/-3.879 χ^2/NDF:104841.3/3

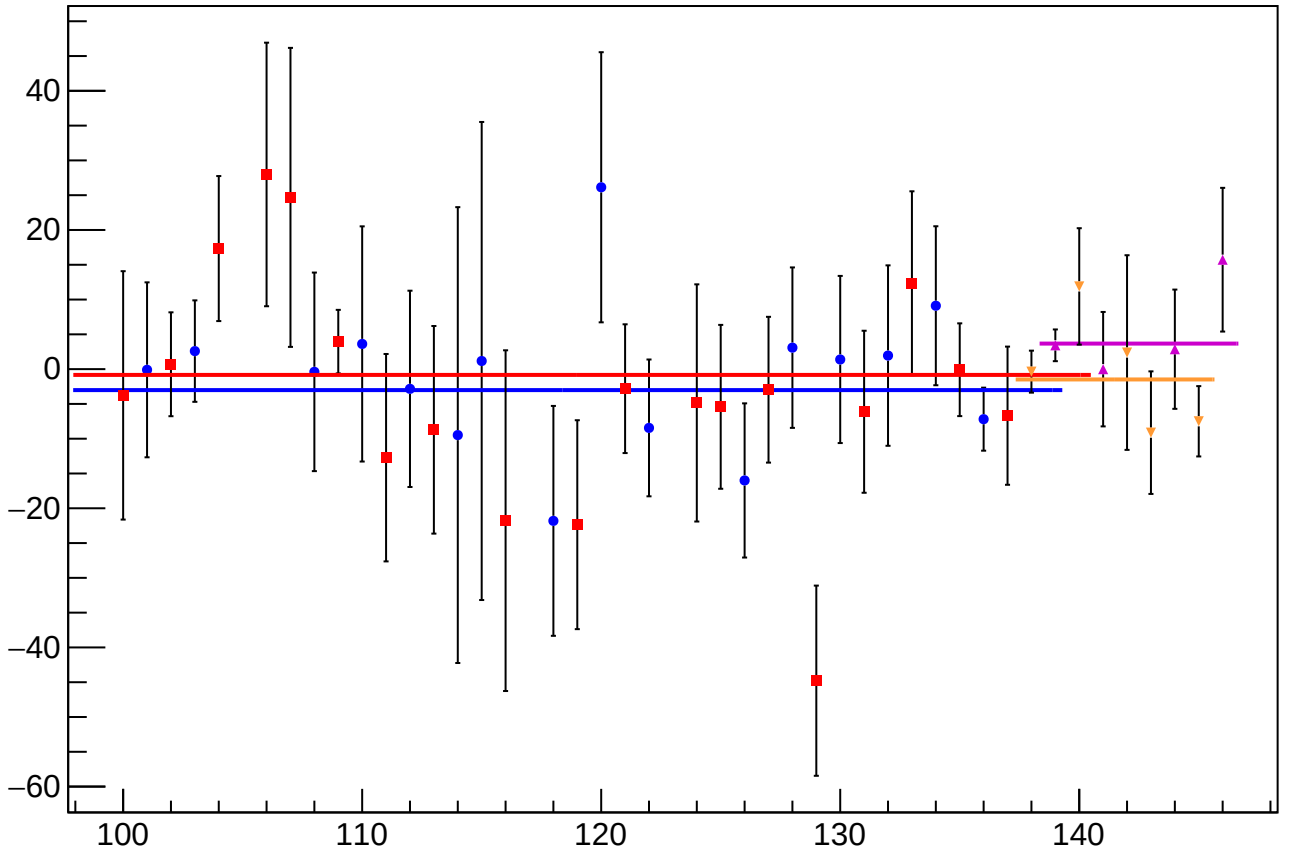
Left: 10019.447+/-2.662 χ^2/NDF: 160800.6/8

Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11043.691+/-2.412 χ^2/NDF:441358.9/19

Out: 10904.345+/-2.328 χ^2/NDF:282740.8/23

All: 10971.566+/-1.675 χ^2/NDF: 725827.7/43



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -1.484+/-2.349 χ^2/NDF:4.9/4

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 3.671+/-2.085 χ^2/NDF:1.6/3

Left: 1.400+/-1.559 χ^2/NDF: 9.2/8

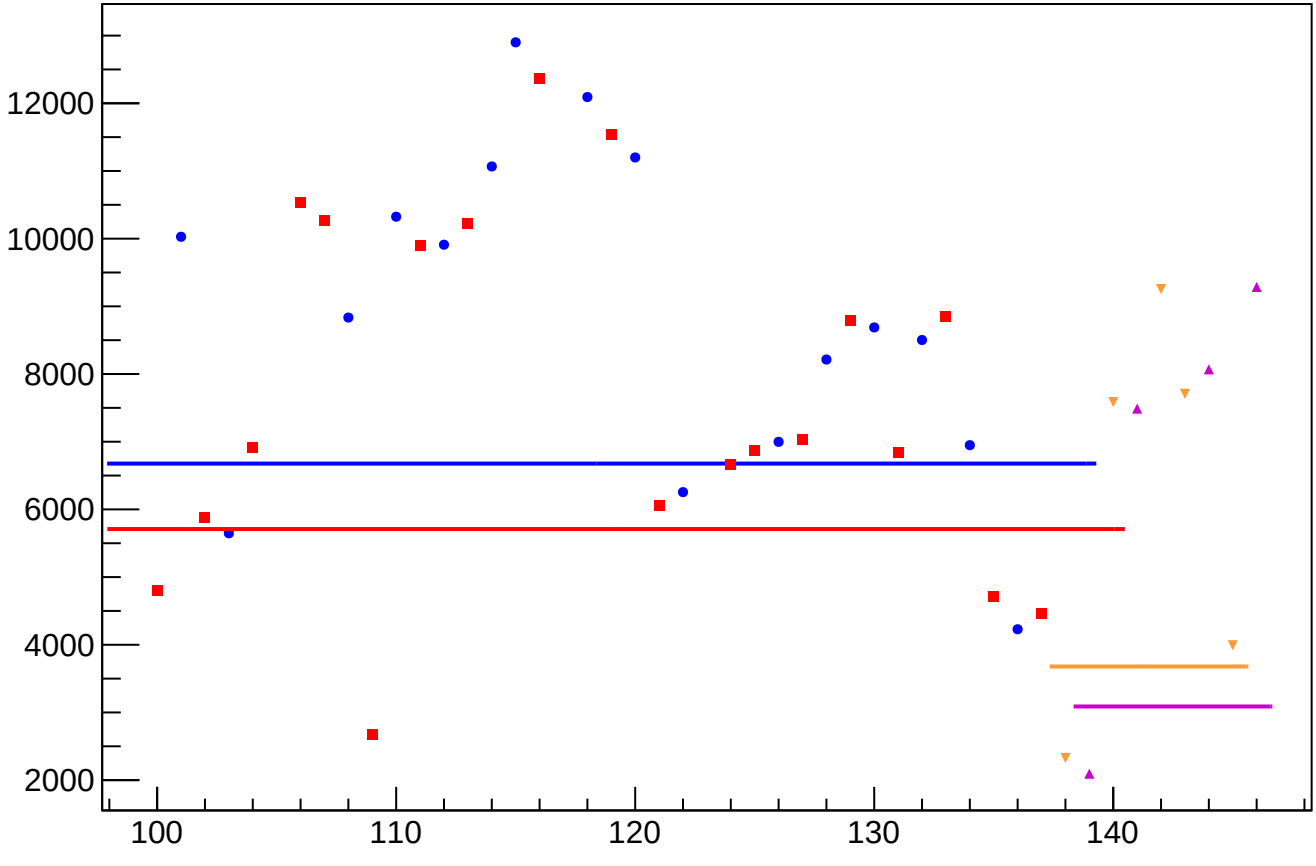
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 1.120+/-1.639 χ^2/NDF:14.2/19

Out: -1.158+/-1.662 χ^2/NDF:28.8/23

All: -0.003+/-1.167 χ^2/NDF: 43.9/43

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 3679.336+/-1.661 χ^2/NDF:1580570.7/4

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 3088.253+/-1.474 χ^2/NDF:2348038.6/3

Left: 3348.695+/-1.102 χ^2/NDF: 3999462.1/8

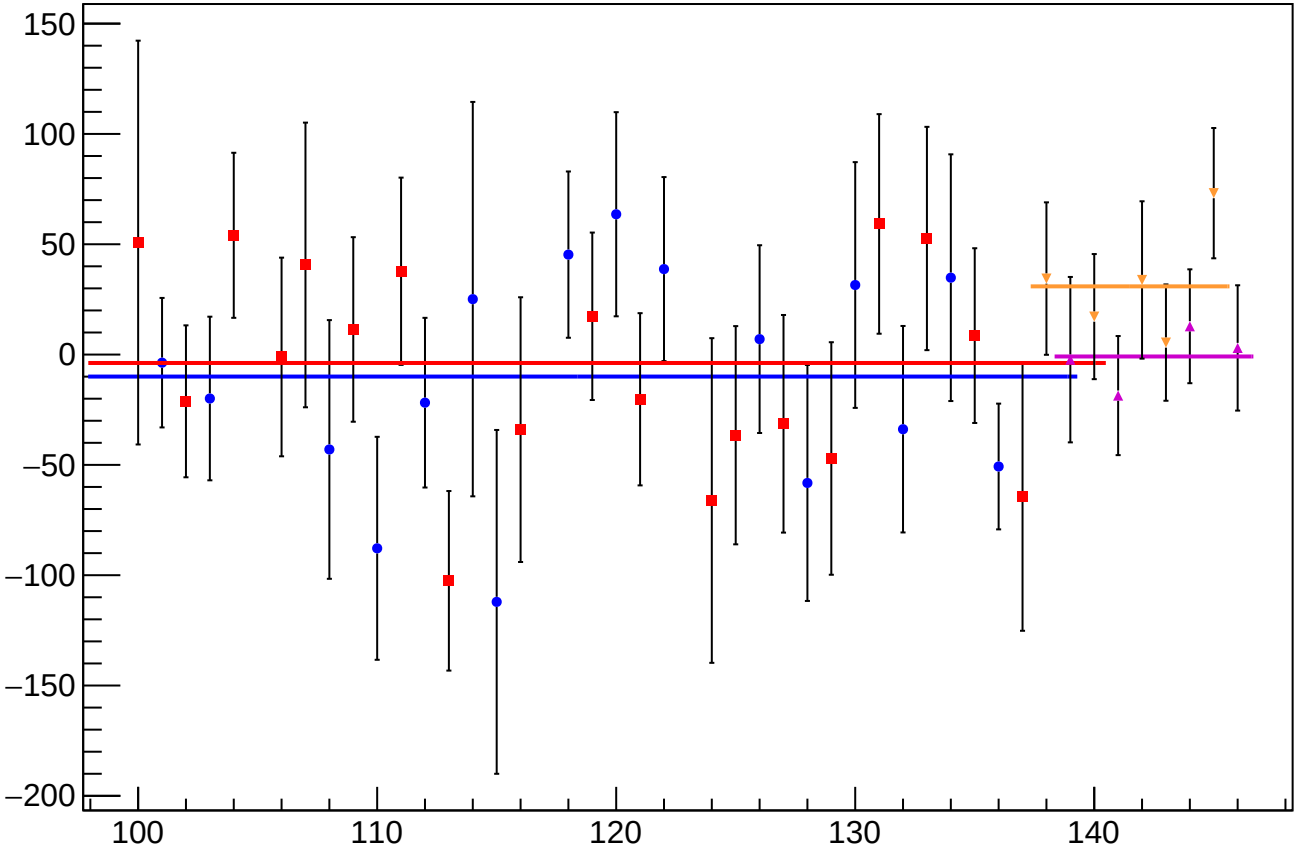
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4457.497+/-1.159 χ^2/NDF:6182484.2/19

Out: 4693.346+/-1.175 χ^2/NDF:4628051.3/23

All: 4573.815+/-0.825 χ^2/NDF: 10830951.5/4

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 30.910+/-13.541 χ^2/NDF:3.2/4

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -0.865+/-14.395 χ^2/NDF:0.7/3

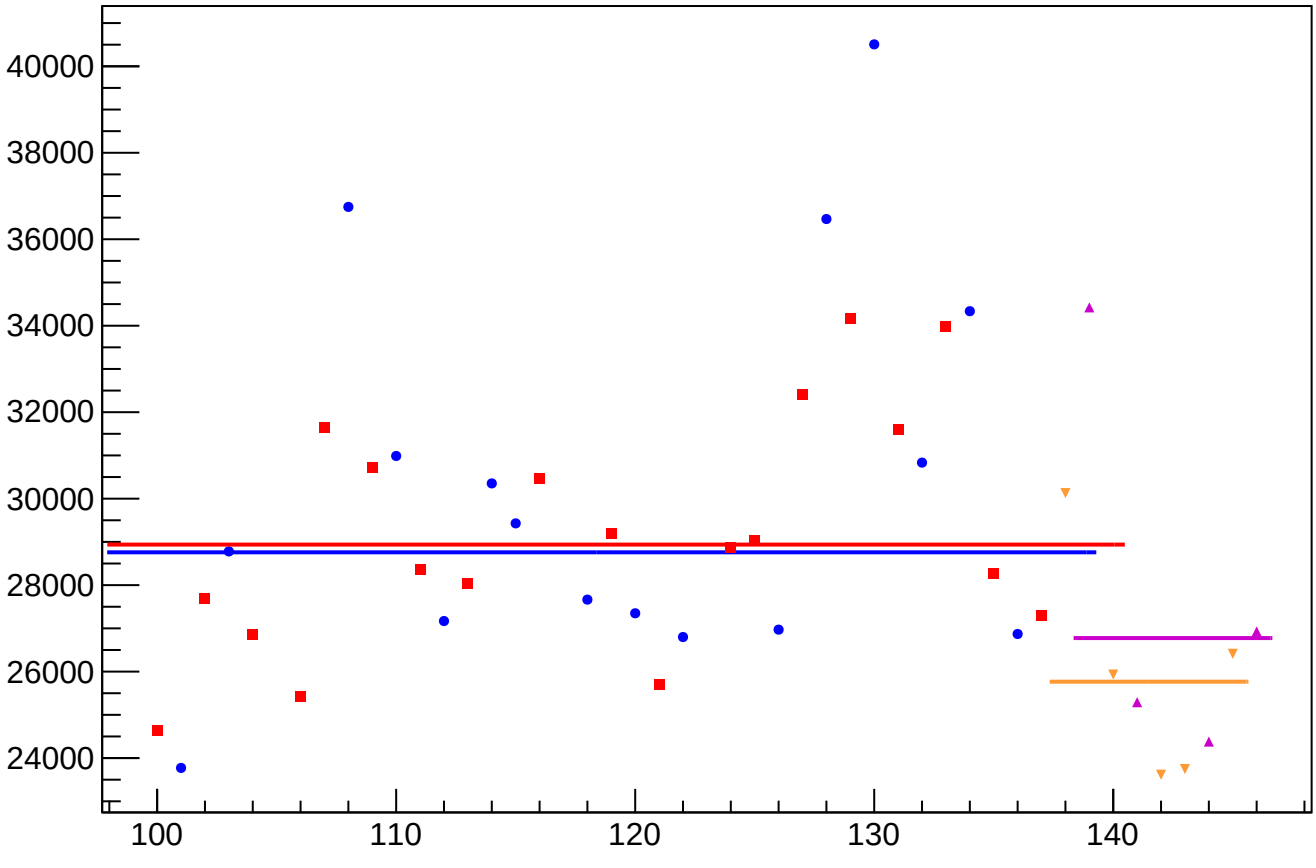
Left: 15.993+/-9.863 χ^2/NDF: 6.5/8

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -6.676+/-8.657 χ^2/NDF:16.3/19

Out: 9.435+/-8.364 χ^2/NDF:24.6/23

All: 1.657+/-6.015 χ^2/NDF: 42.7/43



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25766.848+/-9.575 χ^2/NDF:51916.4/4

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

Left: 26240.477+/-6.974 χ^2/NDF: 163703.4/8

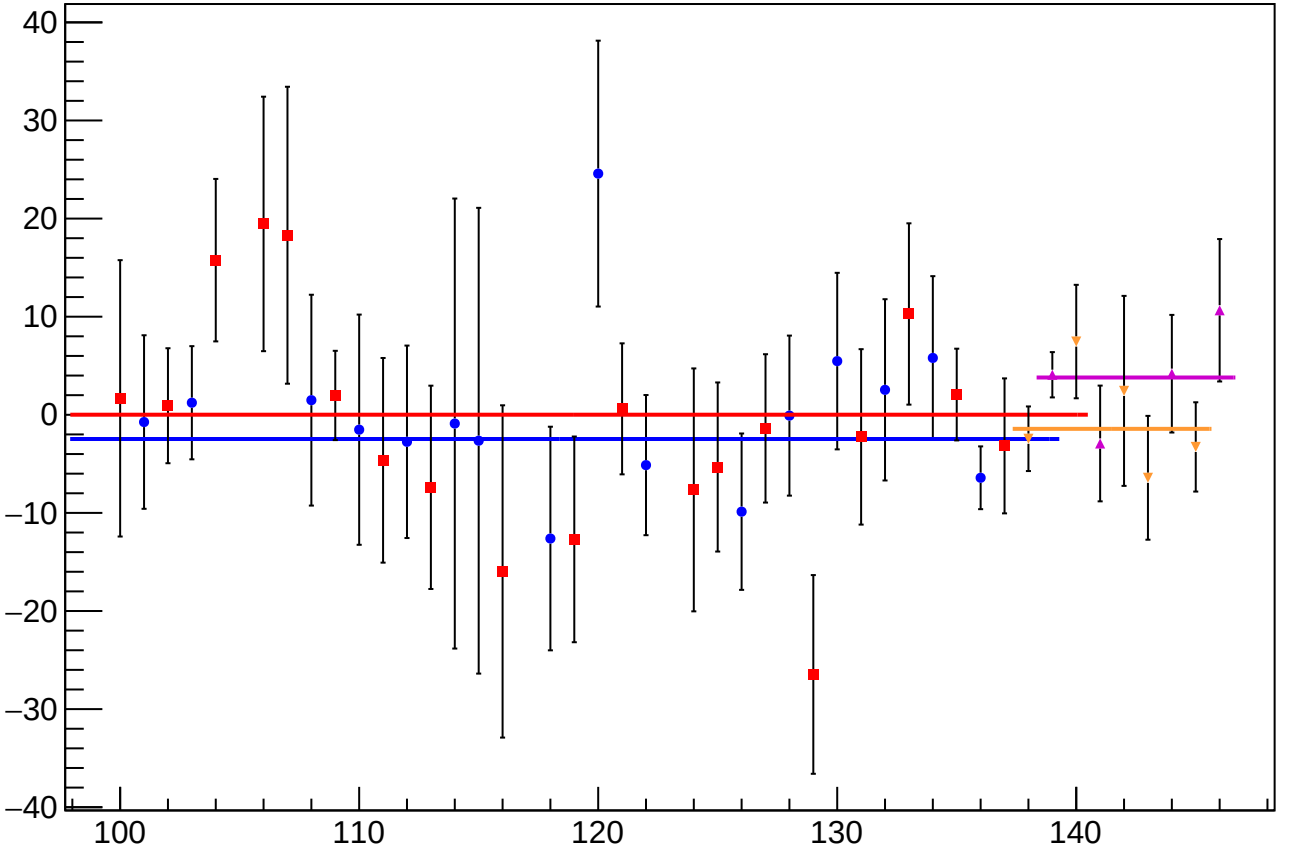
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28041.704+/-6.122 χ^2/NDF:408449.2/19

Out: 27727.806+/-5.915 χ^2/NDF:226000.4/23

All: 27879.353+/-4.254 χ^2/NDF: 635809.5/43

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.432+/-2.202 χ^2/NDF:3.4/4

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 3.801+/-1.949 χ^2/NDF:2.2/3

Left: 1.502+/-1.460 χ^2/NDF: 8.8/8

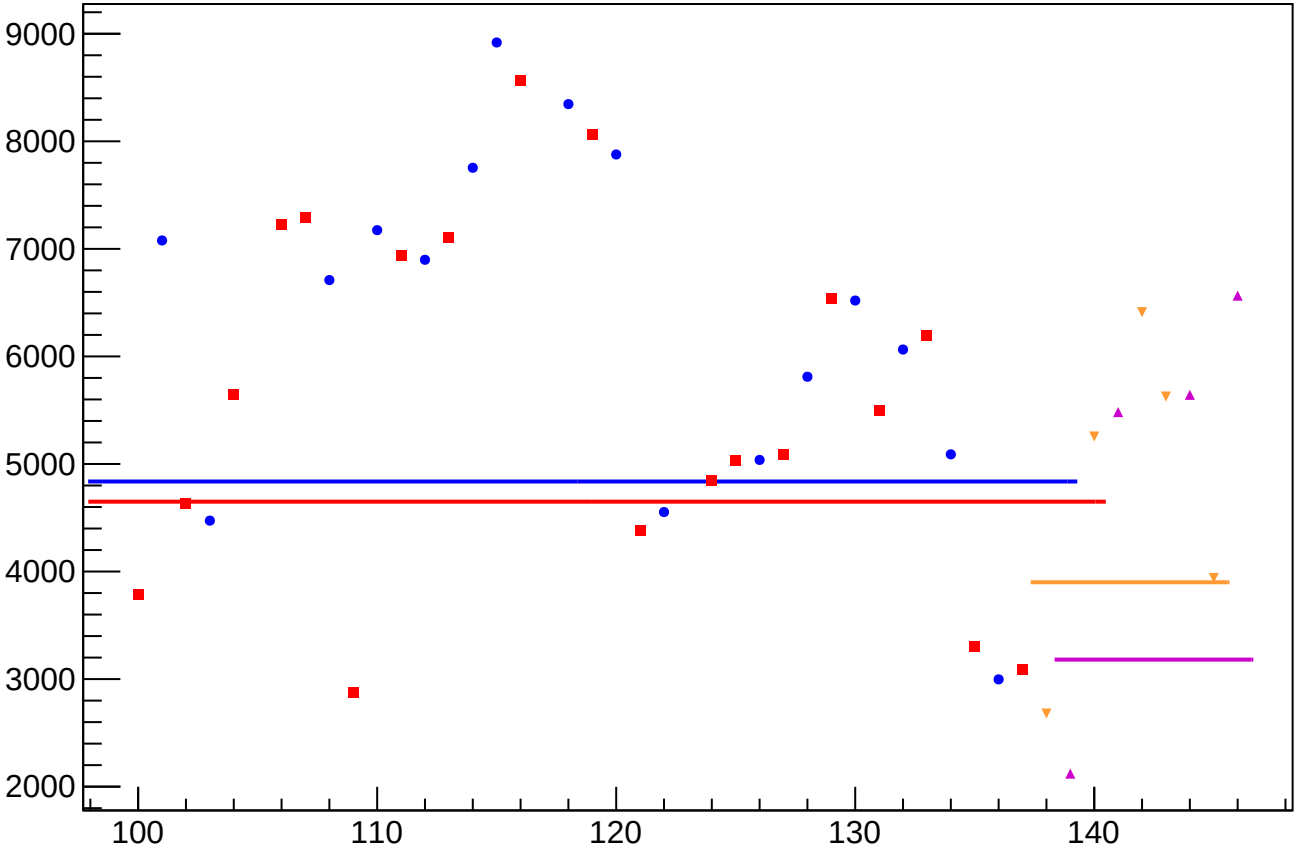
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.612+/-1.366 χ^2/NDF:17.5/19

Out: -0.579+/-1.407 χ^2/NDF:23.6/23

All: 0.034+/-0.980 χ^2/NDF: 41.5/43

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 3900.264+/-1.557 χ^2/NDF:669016.5/4

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 3181.237+/-1.378 χ^2/NDF:1498106.8/3

Left: 3497.143+/-1.032 χ^2/NDF: 2286664.5/8

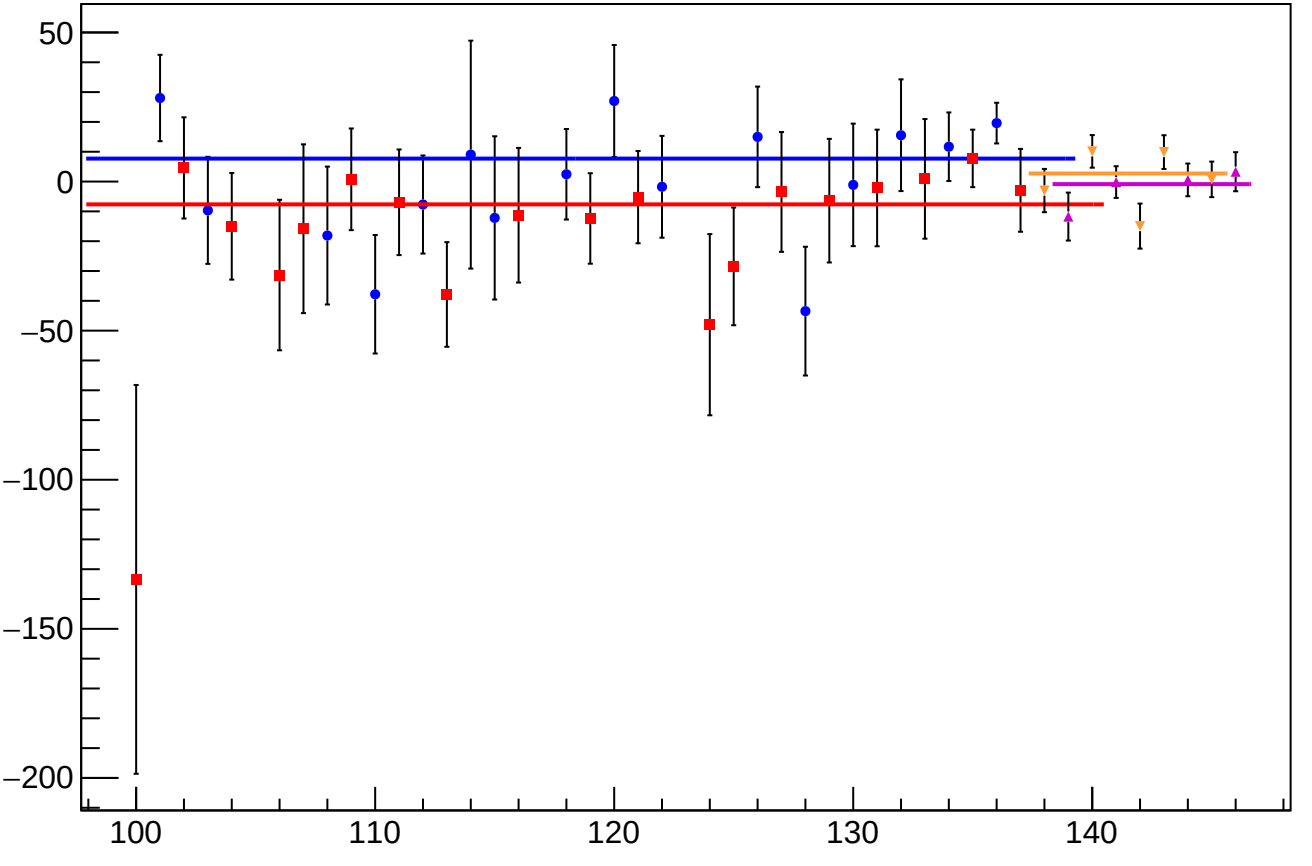
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4023.683+/-0.966 χ^2/NDF:3780051.7/19

Out: 4343.885+/-0.995 χ^2/NDF:2240663.9/23

All: 4179.137+/-0.693 χ^2/NDF: 6074040.4/43

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 2.696+/-2.780 χ^2/NDF:9.6/4

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.860+/-3.051 χ^2/NDF:2.3/3

Left: 1.083+/-2.055 χ^2/NDF: 12.7/8

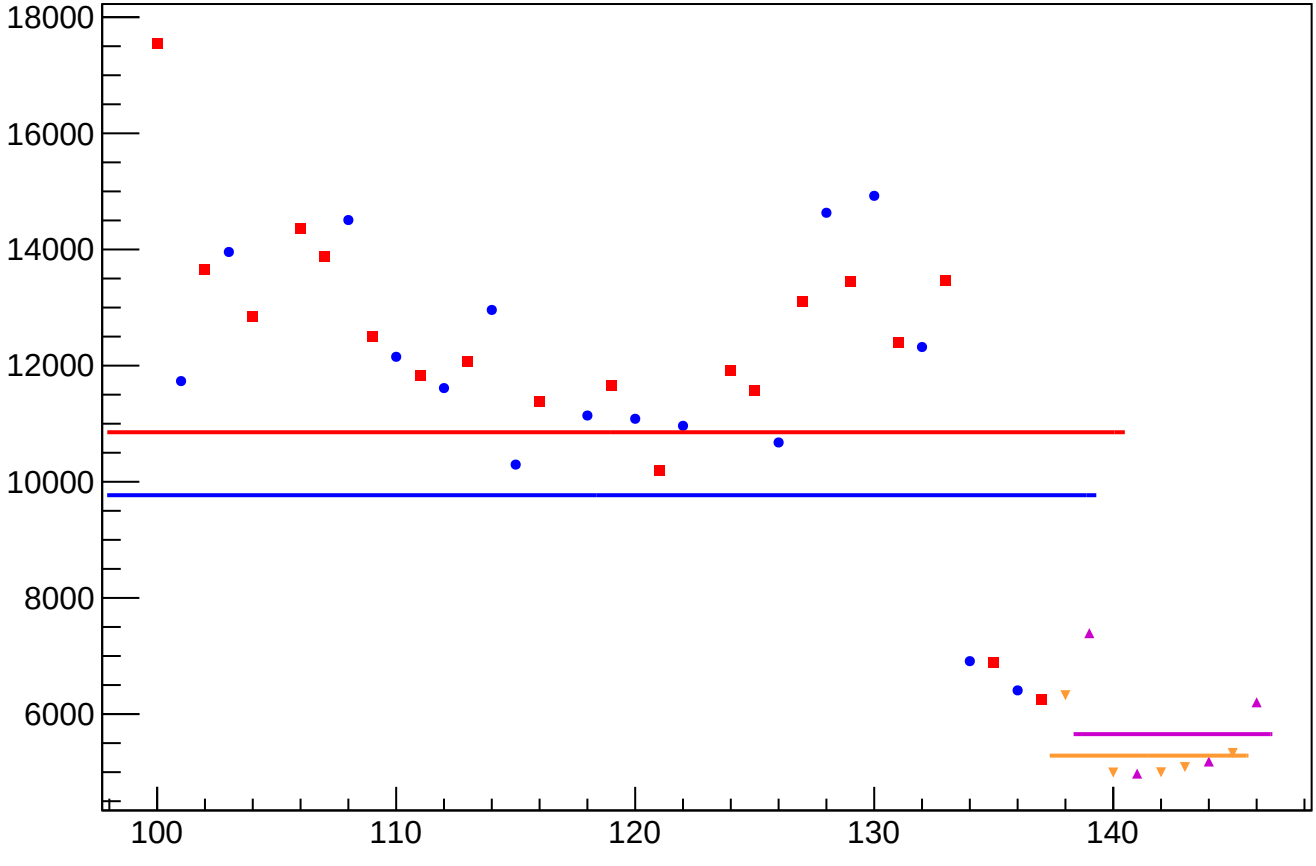
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 2.474+/-2.384 χ^2/NDF:27.0/19

Out: -0.563+/-2.301 χ^2/NDF:28.6/23

All: 0.901+/-1.655 χ^2/NDF: 56.4/43

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5284.770+/-1.966 χ^2/NDF:52207.5/4

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5654.779+/-2.157 χ^2/NDF:155020.5/3

Left: 5452.590+/-1.453 χ^2/NDF: 223300.9/8

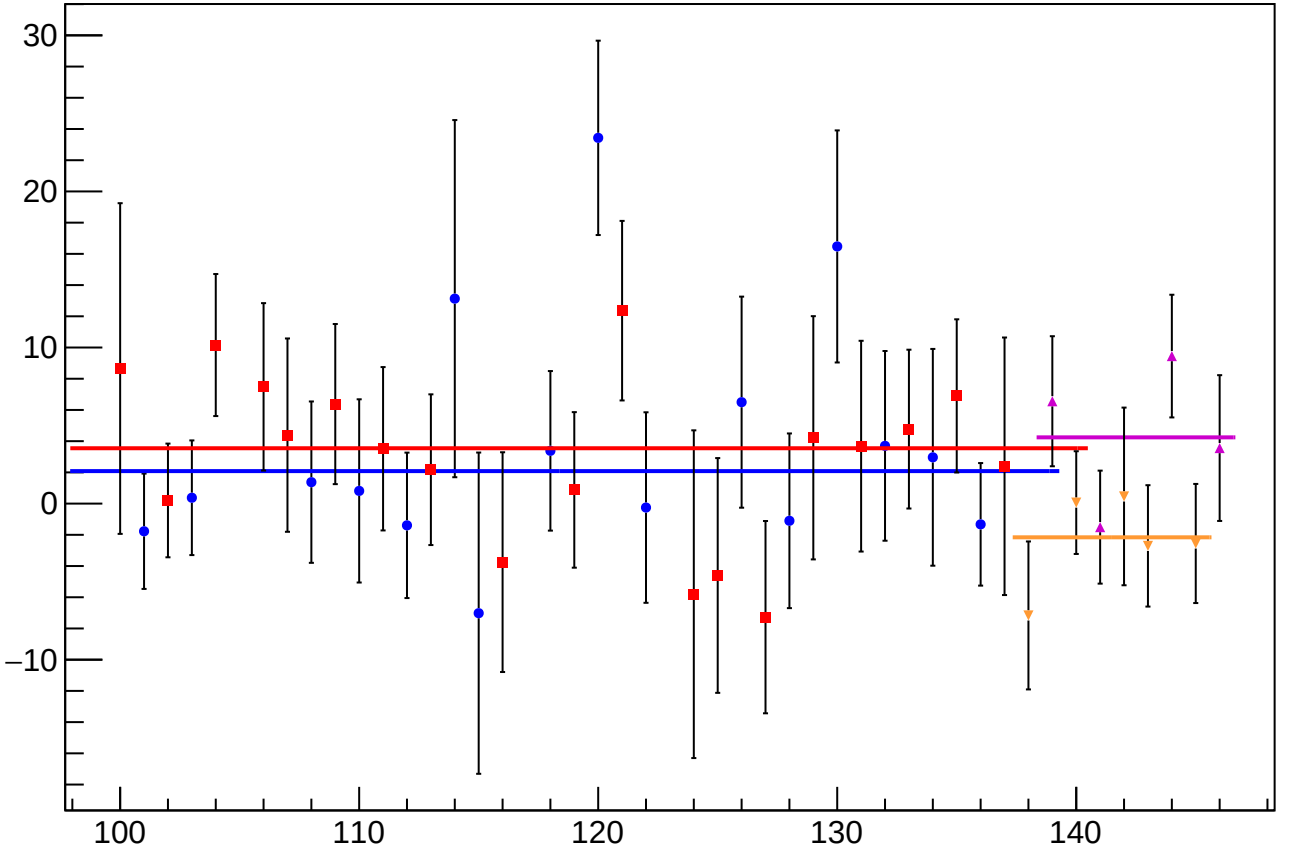
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 7257.202+/-1.686 χ^2/NDF:2785044.8/19

Out: 7038.677+/-1.627 χ^2/NDF:3454606.7/23

All: 7144.055+/-1.171 χ^2/NDF: 6248352.8/43

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.160+/-1.818 χ^2/NDF:1.8/4

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 4.244+/-2.022 χ^2/NDF:4.6/3

Left: 0.702+/-1.352 χ^2/NDF: 12.0/8

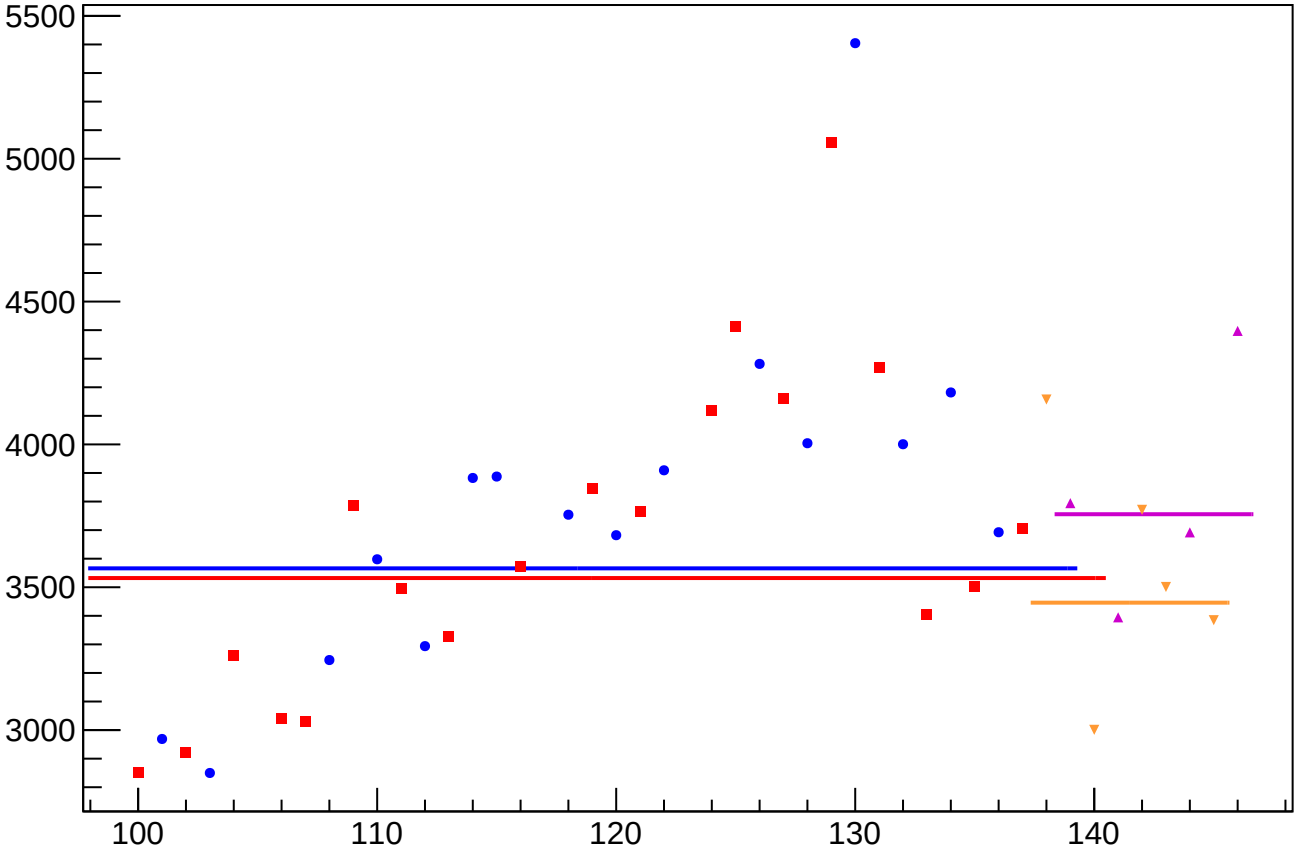
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.745+/-1.120 χ^2/NDF:26.4/19

Out: 1.608+/-1.060 χ^2/NDF:21.8/23

All: 2.145+/-0.770 χ^2/NDF: 48.7/43

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3446.047+/-1.286 χ^2/NDF:89047.9/4

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 3755.630+/-1.430 χ^2/NDF:58342.3/3

Left: 3584.426+/-0.956 χ^2/NDF: 173311.9/8

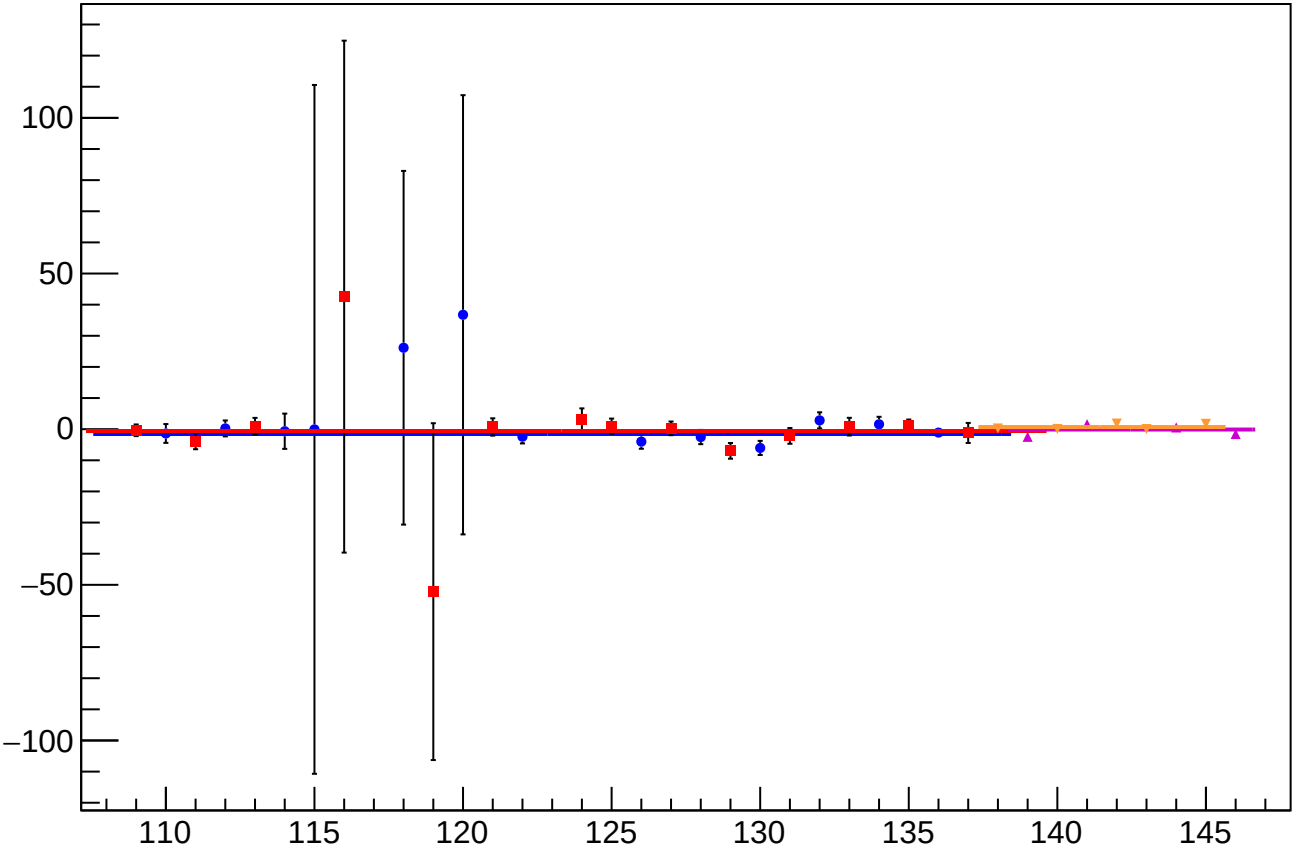
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3624.282+/-0.792 χ^2/NDF:411619.7/19

Out: 3502.922+/-0.749 χ^2/NDF:370705.4/23

All: 3560.243+/-0.544 χ^2/NDF: 794714.3/43

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.682+/-0.516 χ^2/NDF:2.4/4

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.114+/-0.537 χ^2/NDF:8.5/3

Left: 0.300+/-0.372 χ^2/NDF: 12.0/8

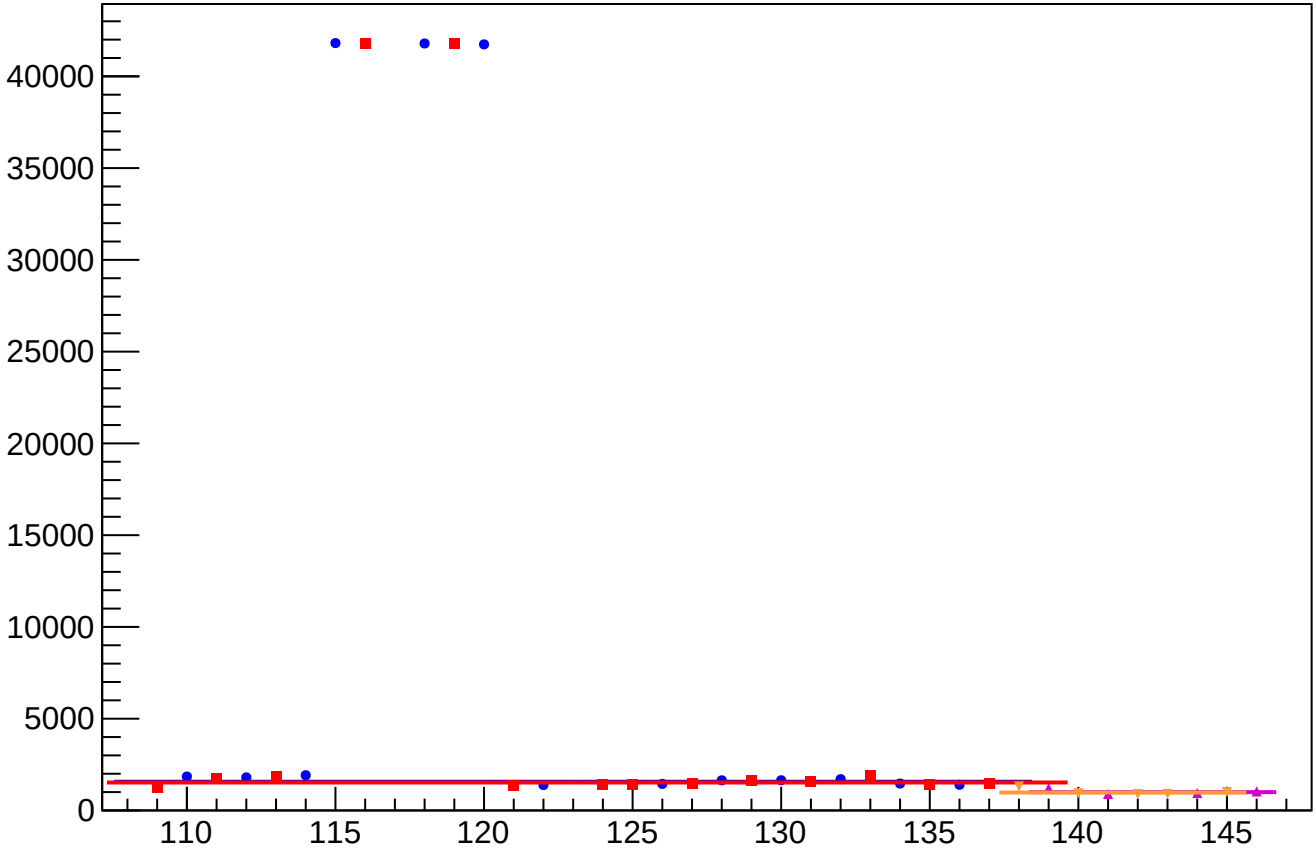
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.610+/-0.433 χ^2/NDF:22.0/16

Out: 0.249+/-0.419 χ^2/NDF:17.2/18

All: -0.167+/-0.301 χ^2/NDF: 41.2/35

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 978.129+/-0.365 χ^2/NDF:118253.3/4

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 997.373+/-0.379 χ^2/NDF:82923.4/3

Left: 987.375+/-0.263 χ^2/NDF: 202513.2/8

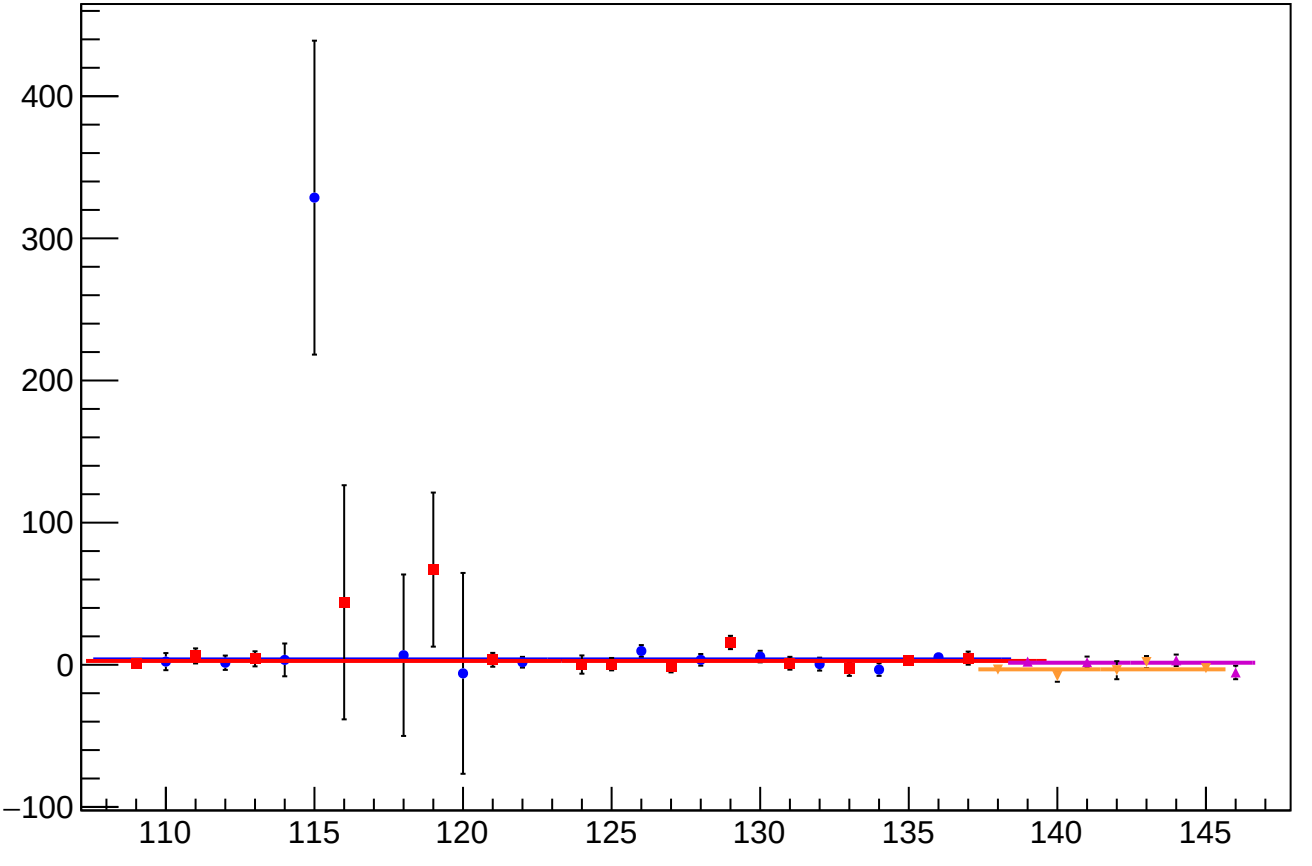
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1195.295+/-0.306 χ^2/NDF:2879268.0/16

Out: 1164.248+/-0.296 χ^2/NDF:2620556.9/18

All: 1179.258+/-0.213 χ^2/NDF: 5505137.5/35

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -3.202+/-1.479 χ^2/NDF:3.0/4

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 1.454+/-1.599 χ^2/NDF:2.3/3

Left: -1.055+/-1.086 χ^2/NDF: 9.9/8

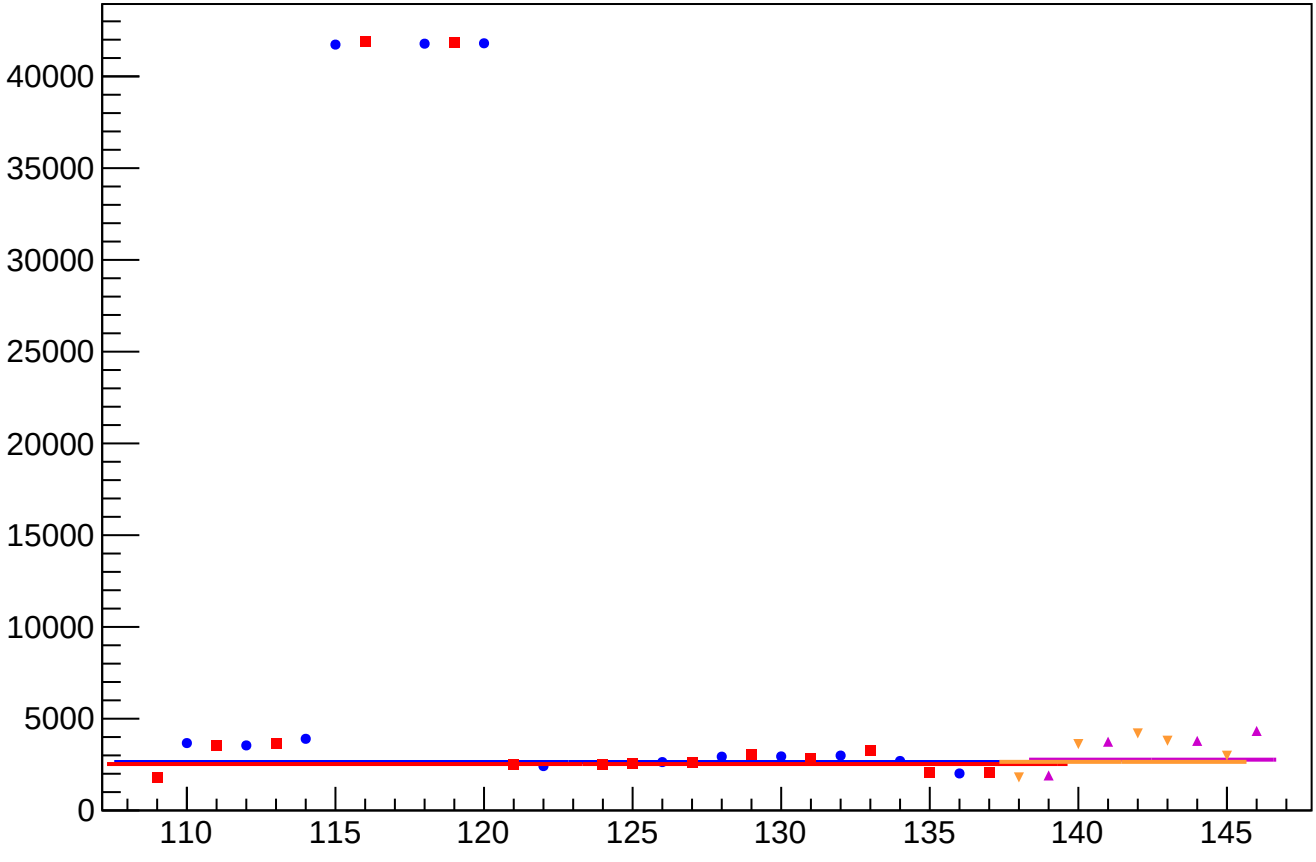
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.897+/-0.984 χ^2/NDF:18.8/16

Out: 0.336+/-0.937 χ^2/NDF:26.2/18

All: 1.554+/-0.679 χ^2/NDF: 48.6/35

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 2648.502+/-1.046 χ^2/NDF:733616.0/4

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 2767.462+/-1.131 χ^2/NDF:793034.1/3

Left: 2703.350+/-0.768 χ^2/NDF: 1532616.4/8

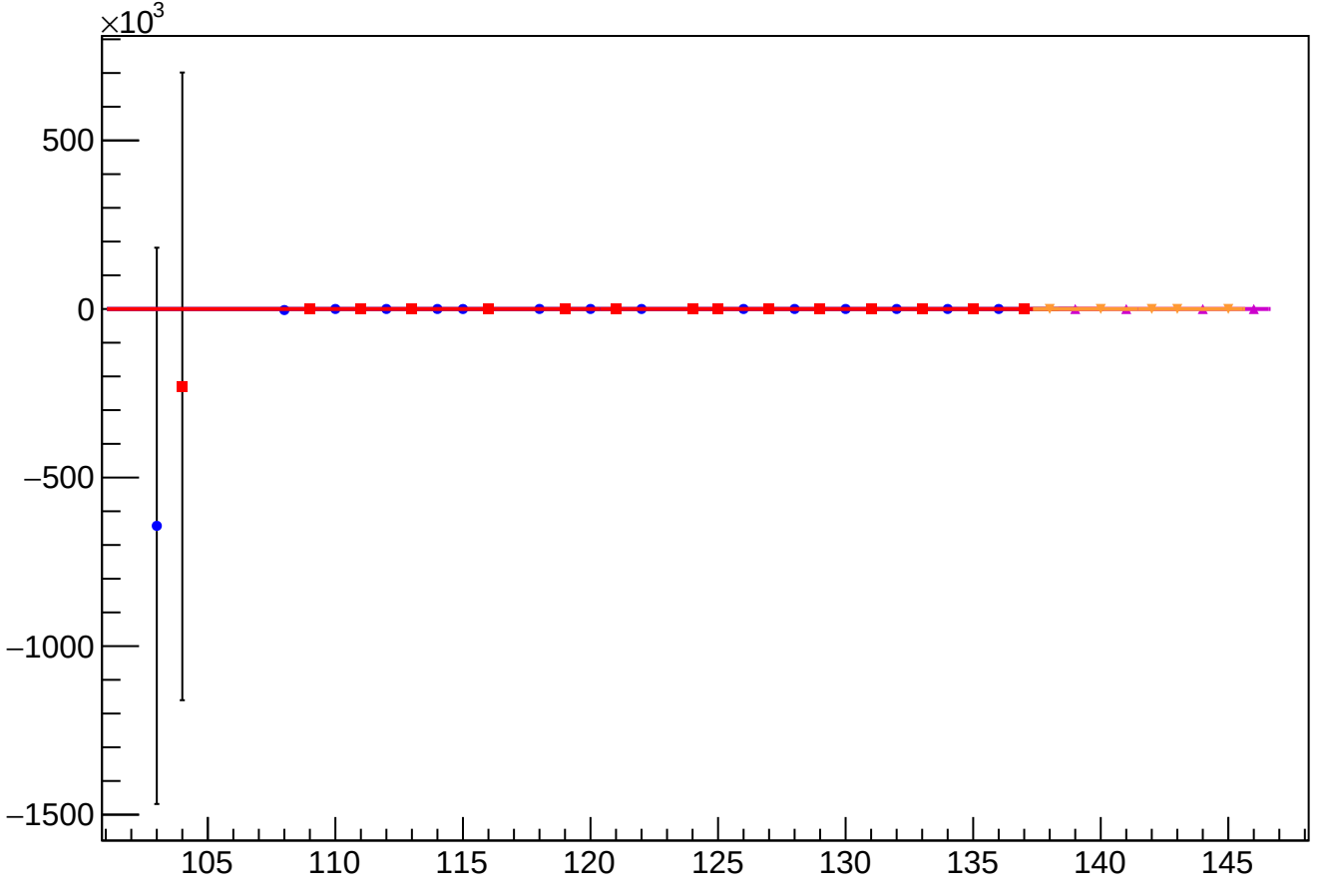
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2688.234+/-0.696 χ^2/NDF:2974332.6/16

Out: 2576.973+/-0.663 χ^2/NDF:2691359.2/18

All: 2629.880+/-0.480 χ^2/NDF: 5679103.6/35

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -0.208+/-0.761 χ^2/NDF:5.6/4

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.627+/-0.818 χ^2/NDF:0.8/3

Left: 0.180+/-0.557 χ^2/NDF: 6.9/8

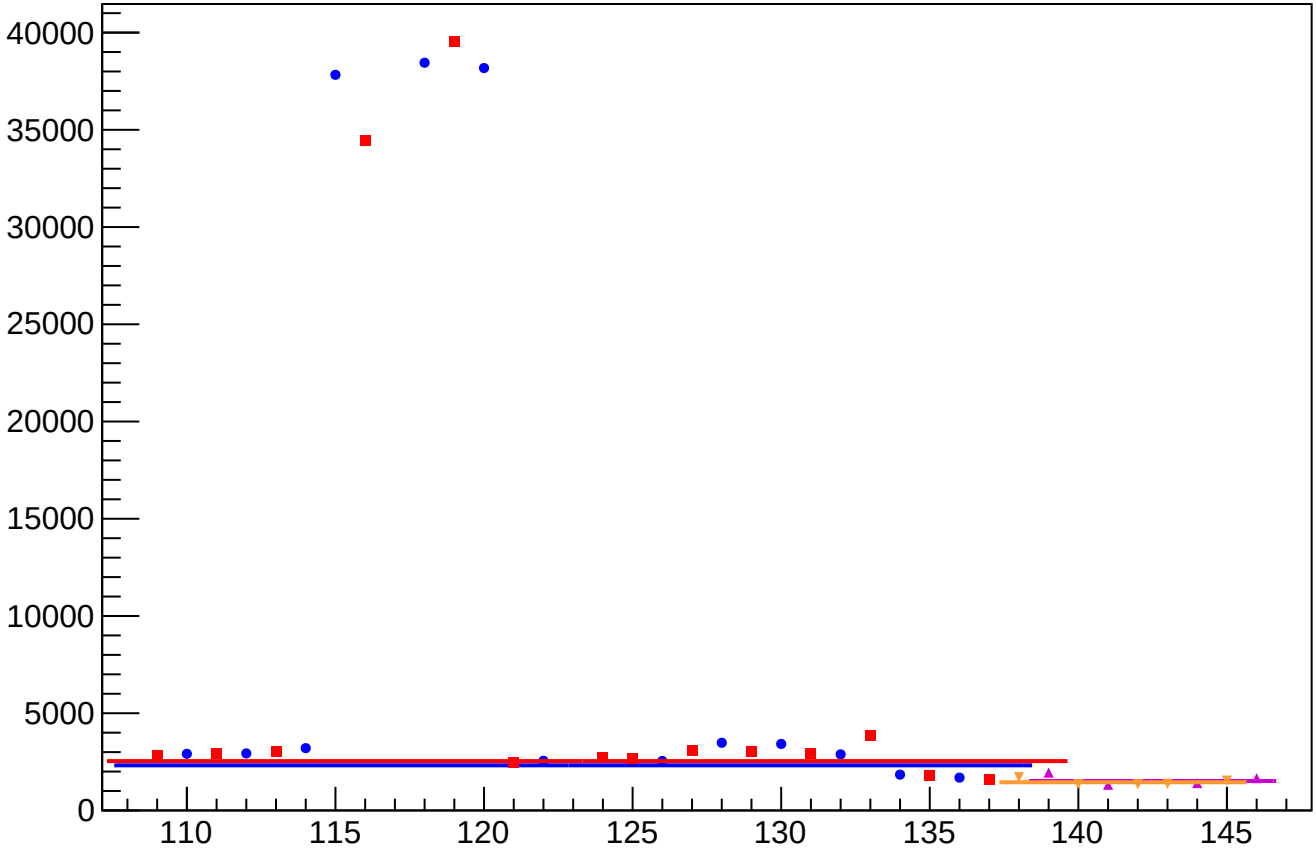
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.010+/-0.662 χ^2/NDF:21.3/18

Out: 0.607+/-0.645 χ^2/NDF:24.1/19

All: 0.307+/-0.462 χ^2/NDF: 45.8/38

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1449.740+/-0.538 χ^2/NDF:57130.3/4

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1514.789+/-0.578 χ^2/NDF:144879.7/3

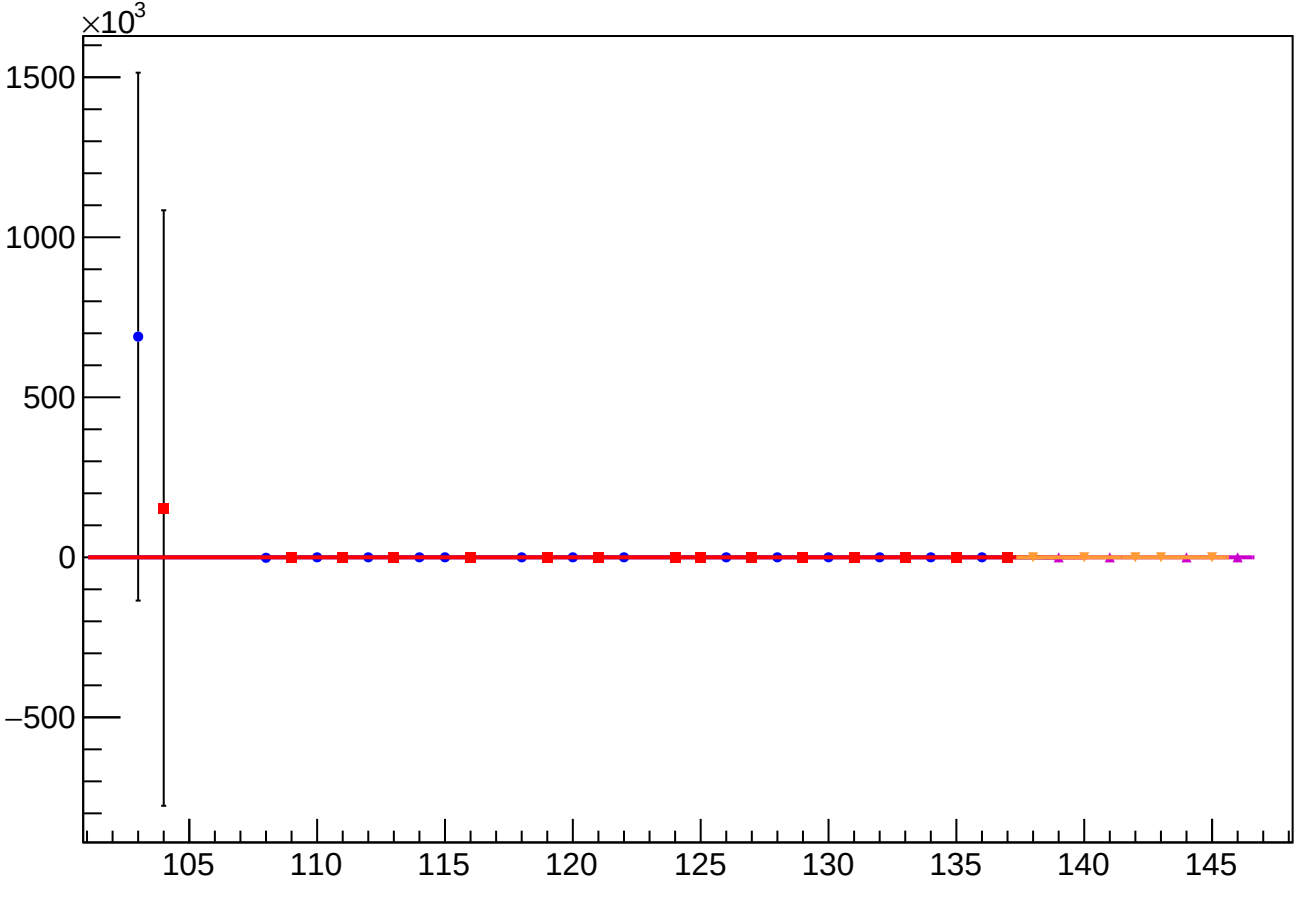
Left: 1479.938+/-0.394 χ^2/NDF: 208787.8/8

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1793.289+/-0.468 χ^2/NDF:3277142.3/16

Out: 1757.866+/-0.456 χ^2/NDF:3251881.2/18

All: 1775.115+/-0.326 χ^2/NDF: 6531965.0/35



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.710+/-1.011 χ^2/NDF:4.8/4

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.471+/-0.963 χ^2/NDF:2.0/3

Left: -1.060+/-0.697 χ^2/NDF: 7.6/8

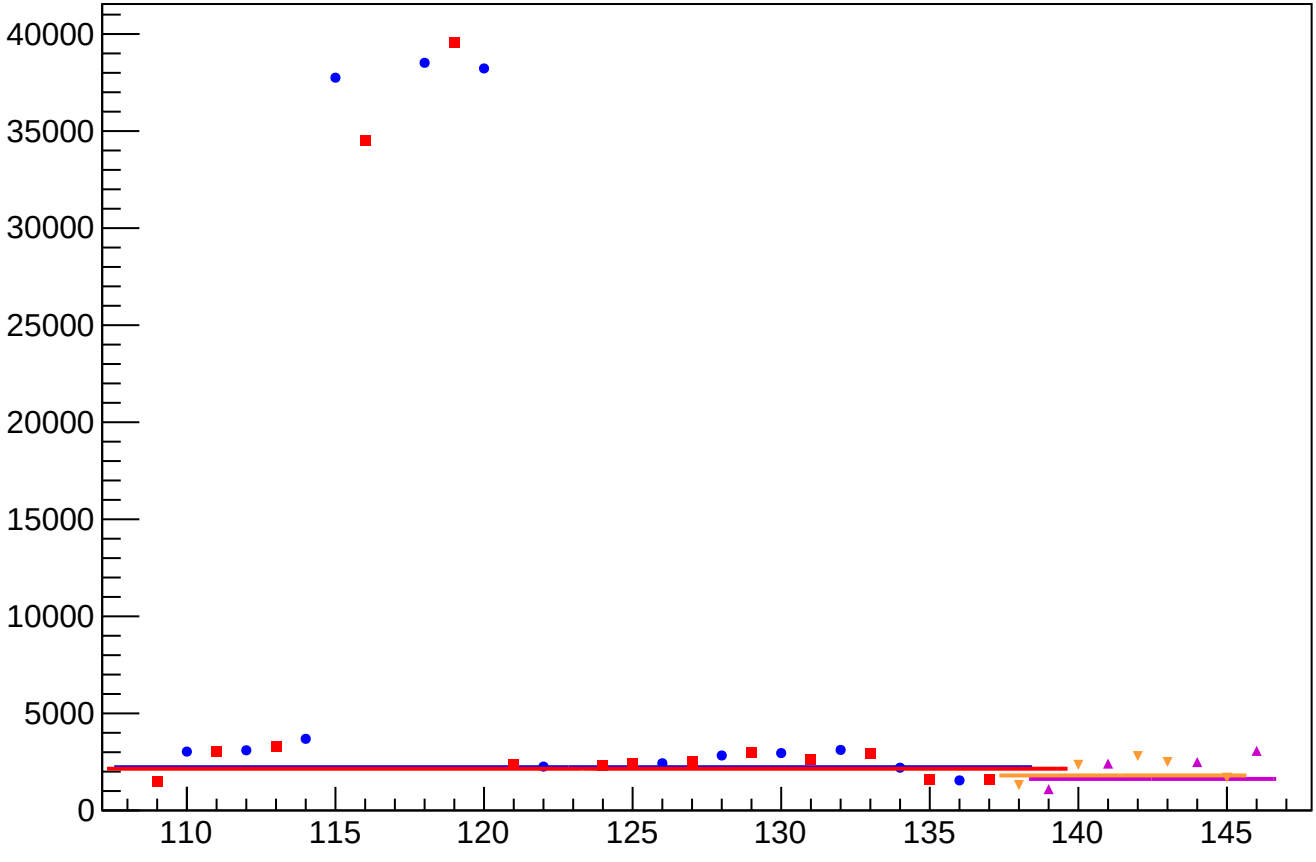
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.497+/-0.718 χ^2/NDF:9.3/18

Out: 0.021+/-0.729 χ^2/NDF:26.2/19

All: 0.263+/-0.511 χ^2/NDF: 35.8/38

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1803.622+/-0.715 χ^2/NDF:524833.3/4

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1623.923+/-0.681 χ^2/NDF:1156537.5/3

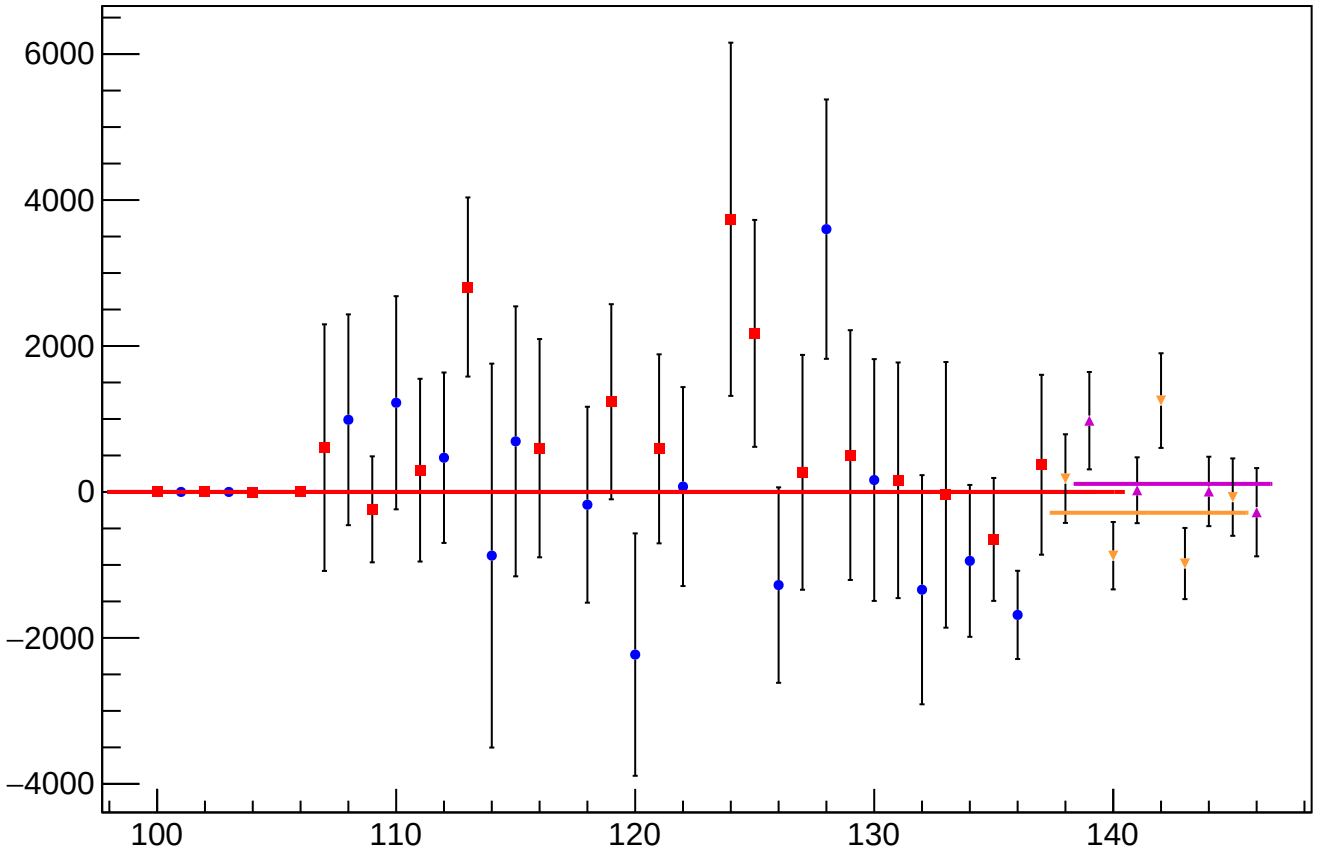
Left: 1709.368+/-0.493 χ^2/NDF: 1714486.3/8

Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1892.003+/-0.507 χ^2/NDF:4027479.5/16

Out: 1970.445+/-0.515 χ^2/NDF:2869408.9/18

All: 1930.610+/-0.362 χ^2/NDF: 6908647.6/35



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -284.980+/-238.764 χ^2/NDF:10.0/4

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 110.528+/-264.288 χ^2/NDF:2.2/3

Left: -107.242+/-177.170 χ^2/NDF: 13.4/8

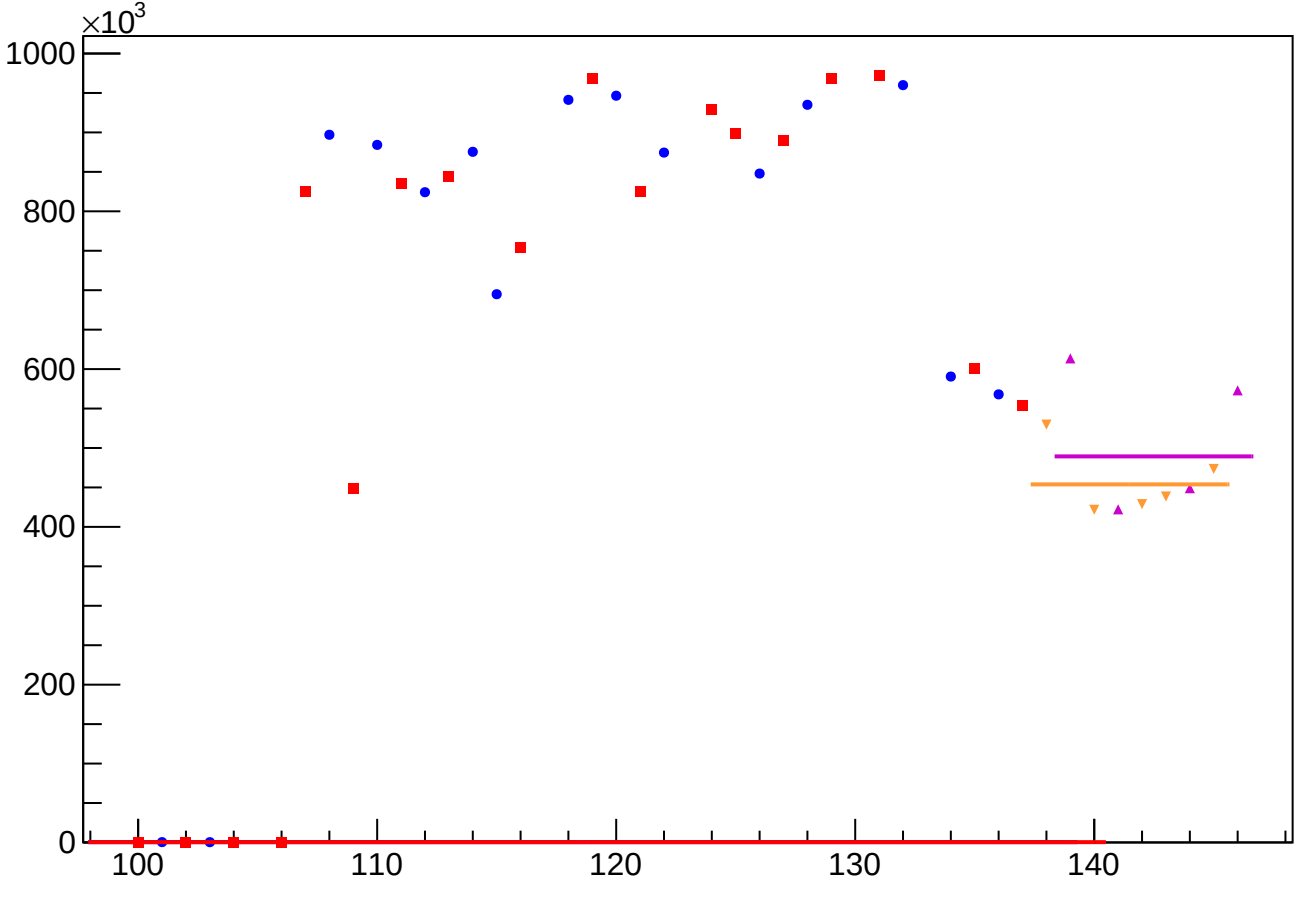
Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:20.1/19

Out: -0.096+/-0.328 χ^2/NDF:26.9/23

All: 0.065+/-0.241 χ^2/NDF: 47.5/43

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 453848.460+/-168.832 χ^2/NDF:48543.8/4

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 489355.941+/-186.880 χ^2/NDF:166261.4/3

Left: 469805.247+/-125.278 χ^2/NDF: 234682.5/8

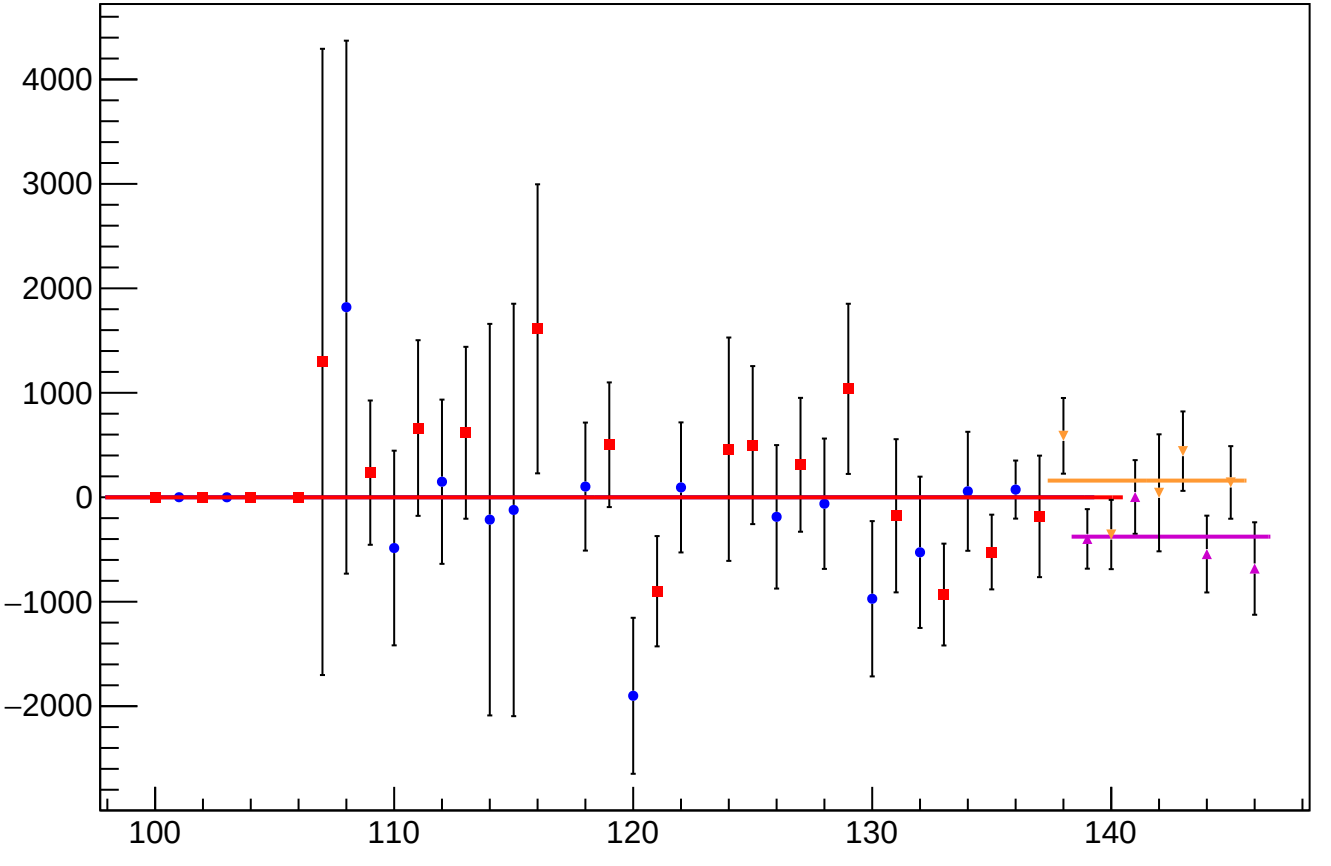
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 399.766+/-0.251 χ^2/NDF:15503748.3/18

Out: 394.095+/-0.232 χ^2/NDF:14910839.3/22

All: 396.700+/-0.170 χ^2/NDF: 30414862.7/41

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 159.621+/-168.799 χ^2/NDF:4.4/4

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -377.165+/-174.469 χ^2/NDF:1.8/3

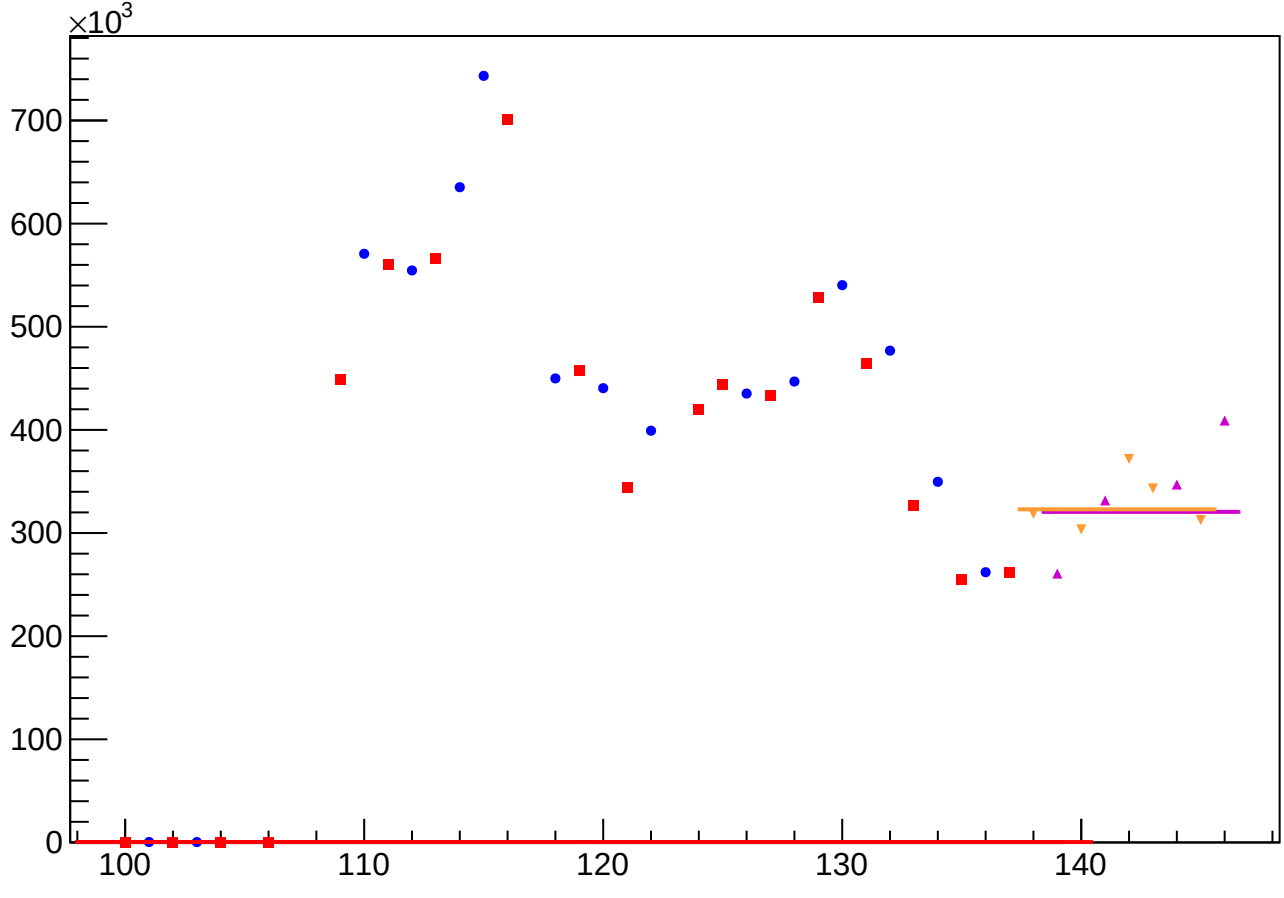
Left: -99.907+/-121.314 χ^2/NDF: 11.2/8

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:17.0/19

Out: -0.598+/-0.324 χ^2/NDF:20.3/23

All: -0.330+/-0.237 χ^2/NDF: 38.8/43



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 322982.063+/-119.359 χ^2/NDF:29810.3/4

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 320515.288+/-123.397 χ^2/NDF:180270.3/3

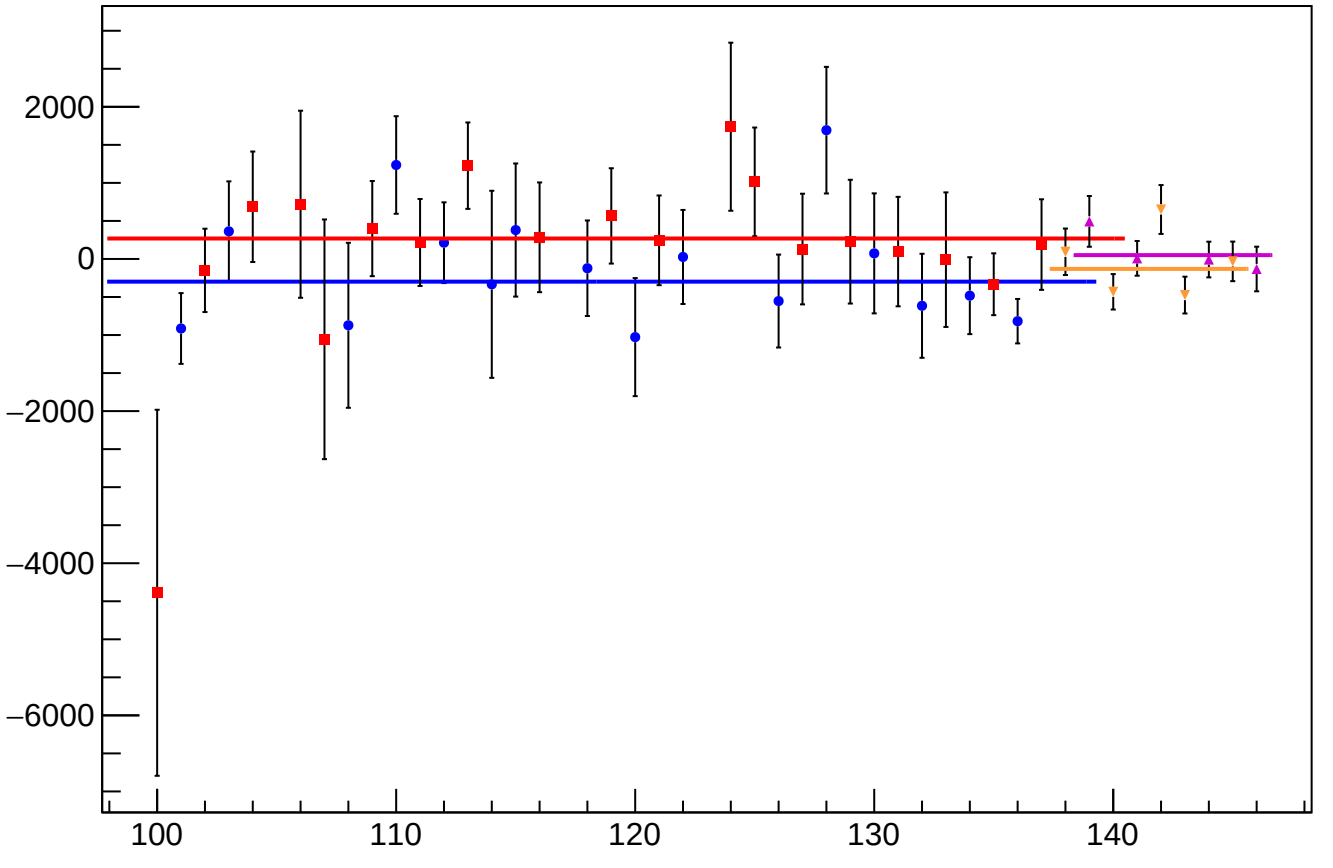
Left: 321789.700+/-85.791 χ^2/NDF: 210287.0/8

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 391.542+/-0.245 χ^2/NDF:18042721.8/18

Out: 389.171+/-0.229 χ^2/NDF:18408837.7/22

All: 390.274+/-0.167 χ^2/NDF: 36451609.4/41



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -130.561+/-118.918 χ^2/NDF:10.3/4

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 50.481+/-131.305 χ^2/NDF:2.3/3

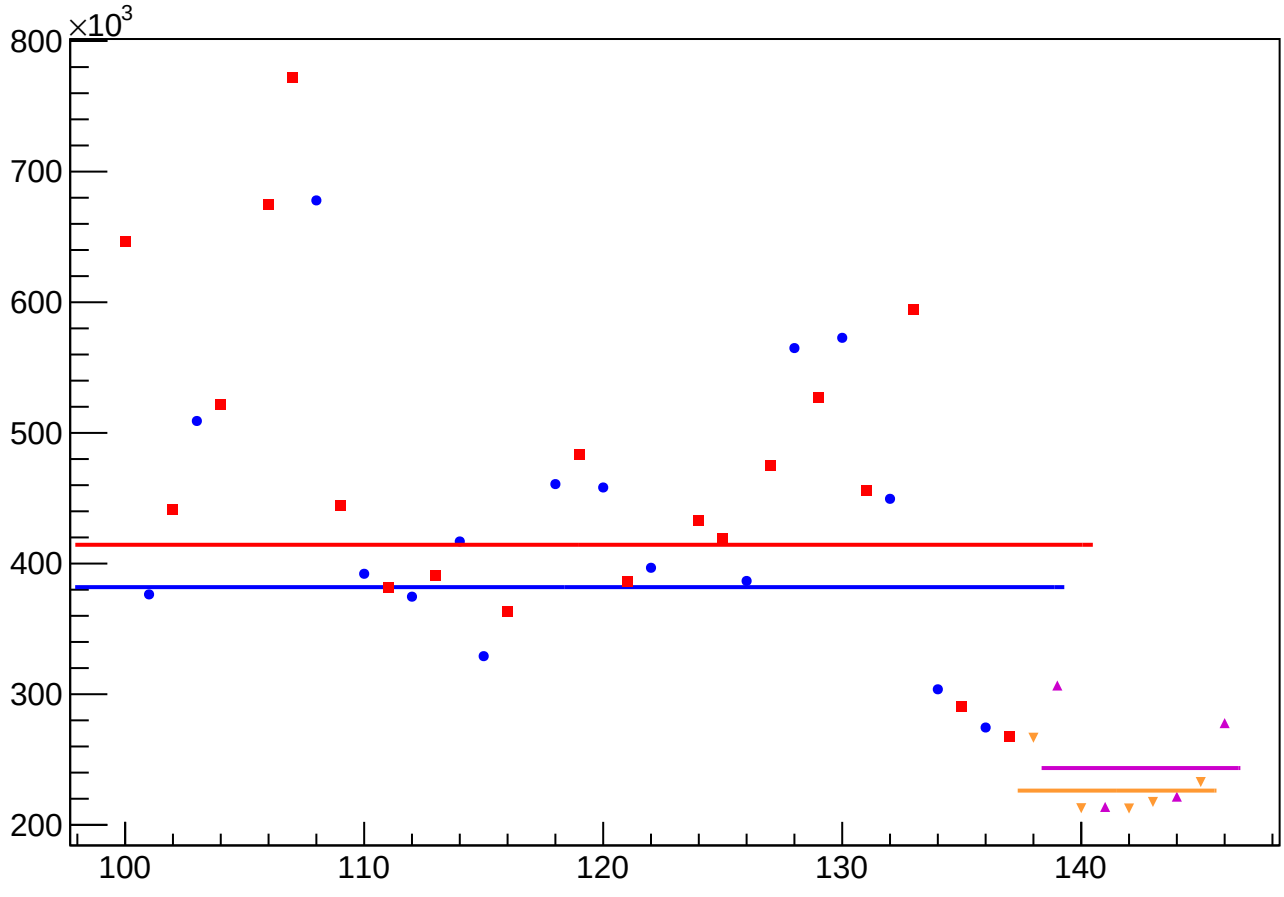
Left: -48.980+/-88.142 χ^2/NDF: 13.6/8

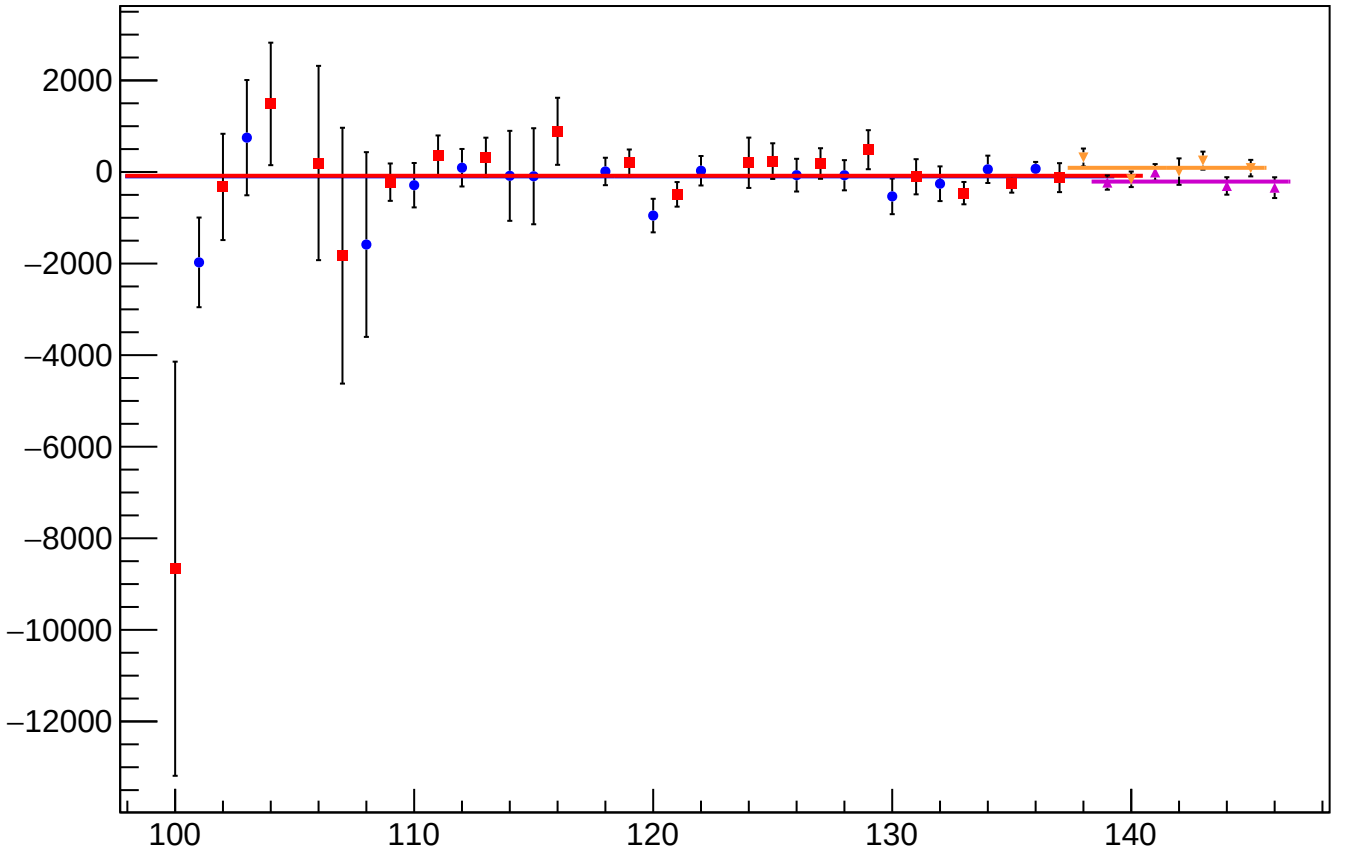
Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -103.856+/-98.035 χ^2/NDF:26.5/19

Out: 15.557+/-94.703 χ^2/NDF:28.3/23

All: -42.085+/-68.113 χ^2/NDF: 55.6/43


diff_cav4cX_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
110
120
130
140
Right In: 381960.471+/-104.223 χ²/NDF: 836441.6/15
Left Out: 226229.014+/-84.088 χ²/NDF:49282.8/4
Right Out: 414378.043+/-110.748 χ²/NDF: 760082.5/18
Left In: 243485.527+/-92.846 χ²/NDF:150720.8/3
Left: 234005.118+/-62.326 χ²/NDF: 218981.6/8
Right: 397186.164+/-75.899 χ²/NDF: 1641963.2/34
In: 304755.428+/-69.327 χ²/NDF:1971374.6/19
Out: 295031.091+/-66.971 χ²/NDF:2640156.9/23
All: 299725.224+/-48.167 χ²/NDF: 4621709.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 91.064+/-87.921 χ^2/NDF:4.2/4

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -209.634+/-91.924 χ^2/NDF:1.8/3

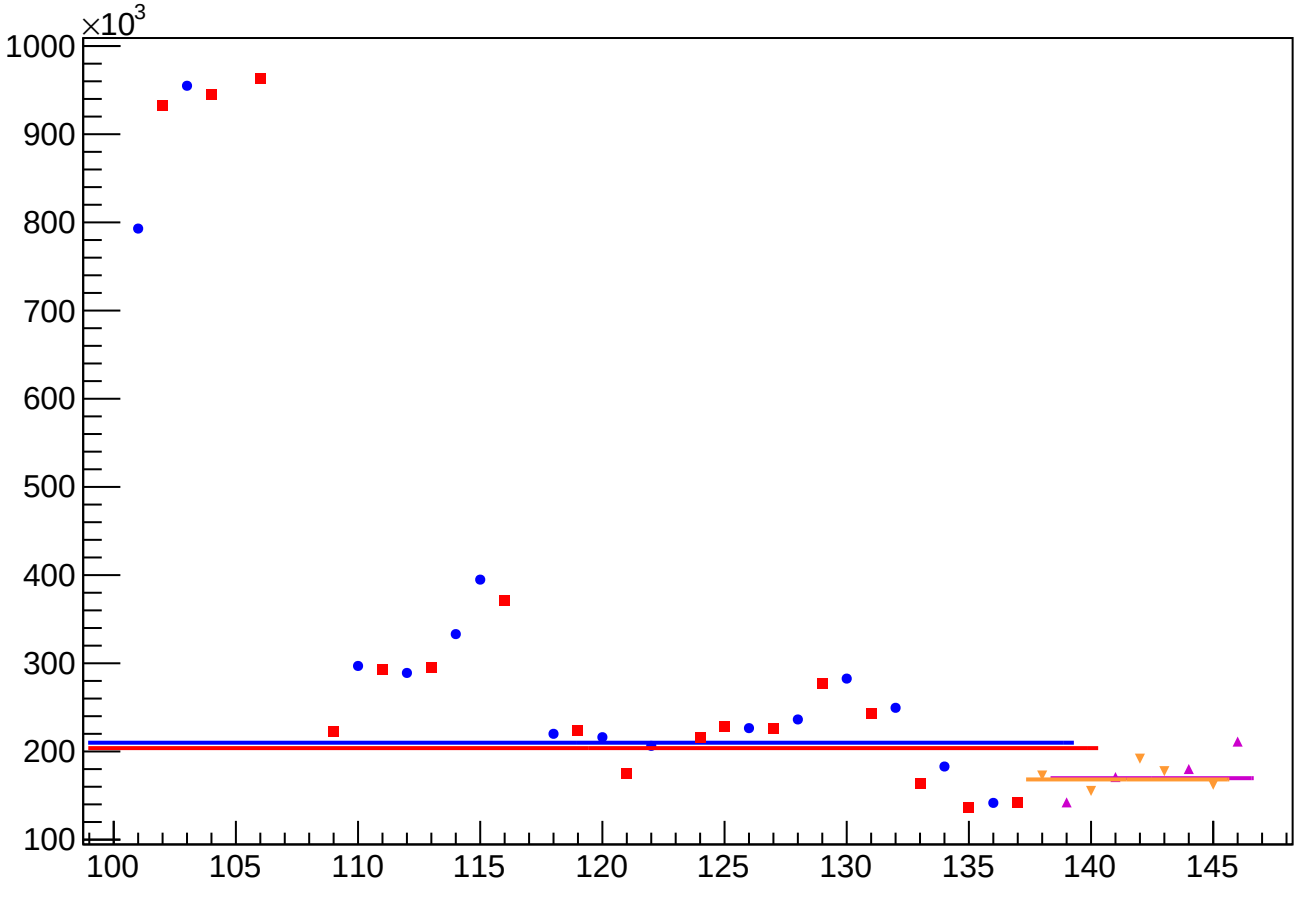
Left: -52.595+/-63.537 χ^2/NDF: 11.6/8

Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

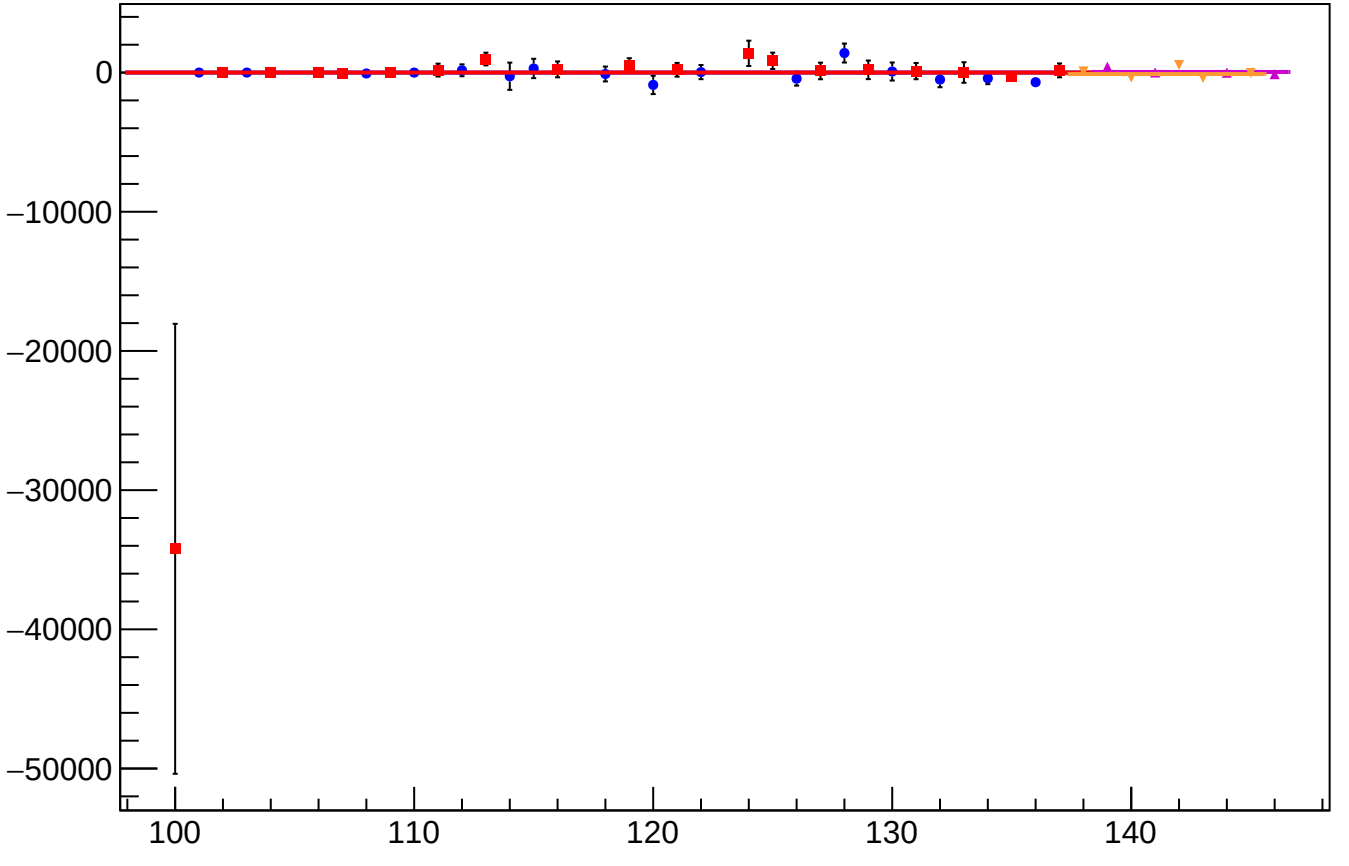
In: -150.434+/-63.668 χ^2/NDF:16.3/19

Out: 3.557+/-61.954 χ^2/NDF:25.3/23

All: -71.339+/-44.402 χ^2/NDF: 44.6/43


diff_cav4cY_rms vs Slug, Sign Corrected
×10^3
1000
900
800
700
600
500
400
300
200
100
100
105
110
115
120
125
130
135
140
145
Right In: 209929.195+/-62.523 χ²/NDF: 1959897.2/14
Left Out: 168276.710+/-62.169 χ²/NDF:32881.8/4
Right Out: 203793.382+/-61.895 χ²/NDF: 2070478.1/16
Left In: 169707.879+/-65.000 χ²/NDF:134971.3/3
Left: 168960.457+/-44.928 χ²/NDF: 168106.3/8
Right: 206830.314+/-43.987 χ²/NDF: 4035239.4/31
In: 190599.529+/-45.061 χ²/NDF:2293754.7/18
Out: 186113.695+/-43.863 χ²/NDF:2267268.1/21
All: 188296.209+/-31.431 χ²/NDF: 4566111.5

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -106.856+/-98.953 χ^2/NDF:10.3/4

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 43.171+/-109.542 χ^2/NDF:2.3/3

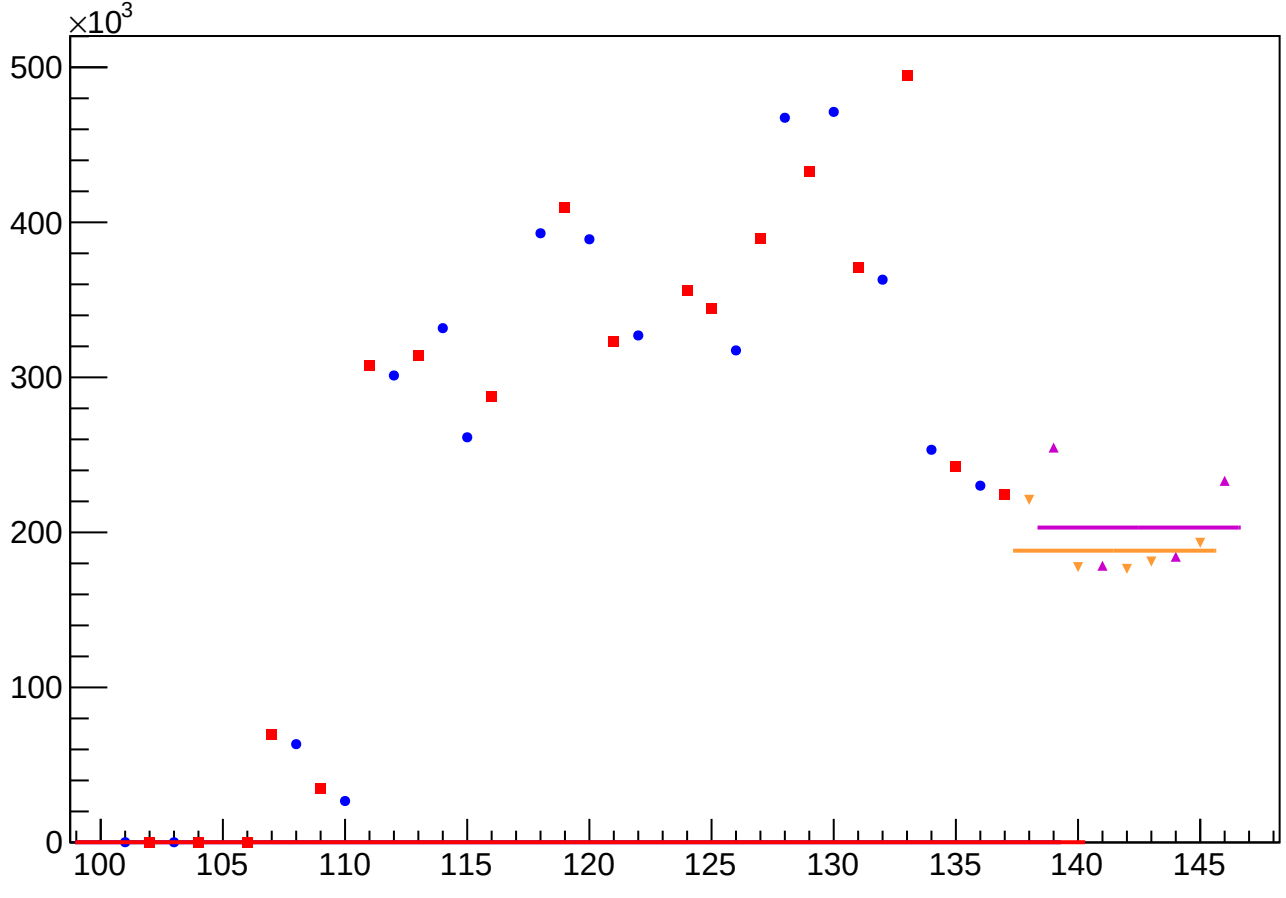
Left: -39.442+/-73.429 χ^2/NDF: 13.7/8

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:20.6/19

Out: 0.355+/-0.160 χ^2/NDF:28.0/23

All: 0.174+/-0.117 χ^2/NDF: 51.3/43



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 188213.674+/-69.970 χ^2/NDF:46912.1/4

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 203117.931+/-77.458 χ^2/NDF:151337.8/3

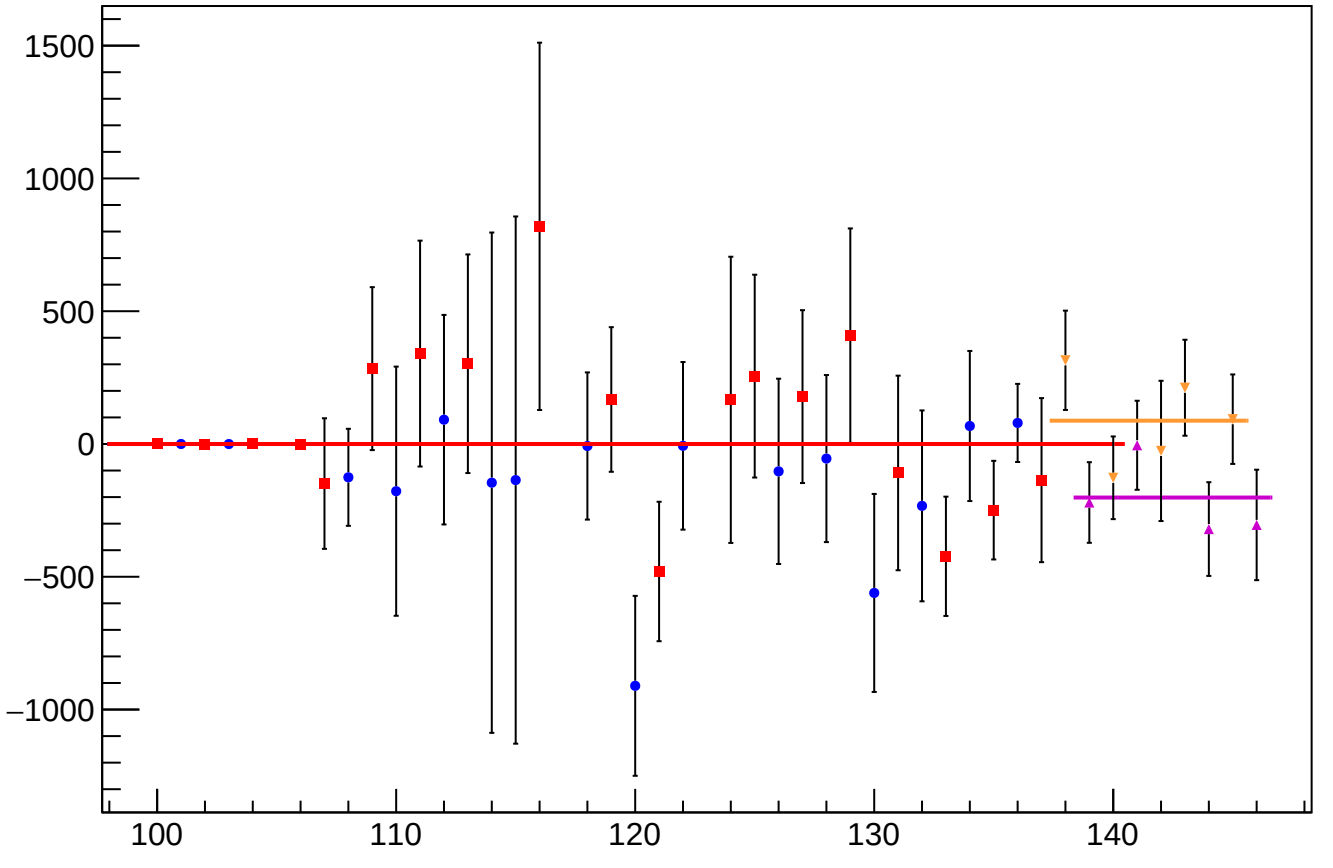
Left: 194910.811+/-51.922 χ^2/NDF: 218637.9/8

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.594+/-0.122 χ^2/NDF:18319691.8/19

Out: 149.871+/-0.113 χ^2/NDF:18559752.4/22

All: 149.743+/-0.083 χ^2/NDF: 36879447.0/42



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 87.763+/-81.633 χ^2/NDF:4.0/4

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -201.682+/-86.313 χ^2/NDF:2.1/3

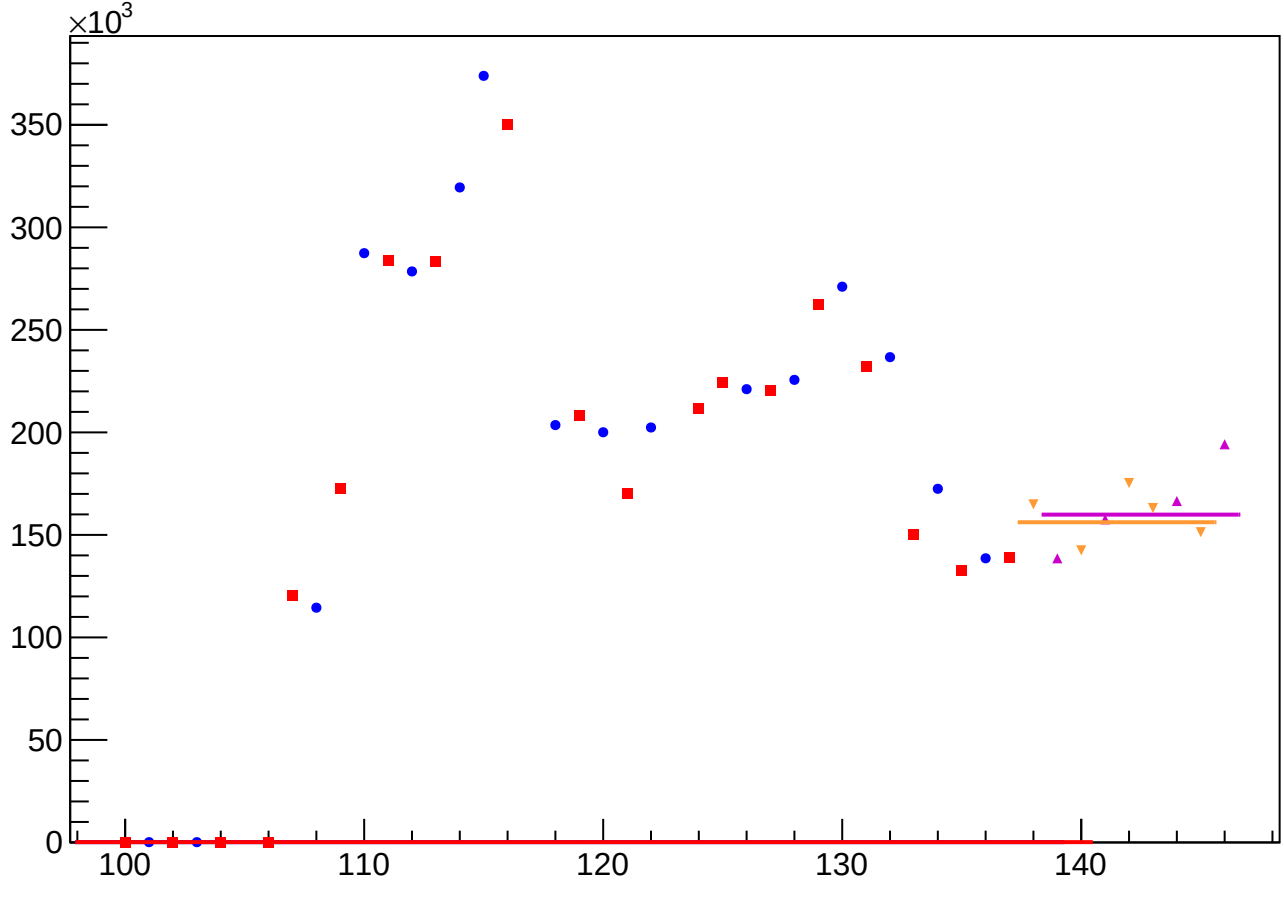
Left: -48.900+/-59.309 χ^2/NDF: 12.1/8

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:18.8/19

Out: -0.126+/-0.166 χ^2/NDF:20.4/23

All: -0.099+/-0.121 χ^2/NDF: 39.3/43



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 156178.564+/-57.723 χ^2/NDF:34955.4/4

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 159888.986+/-61.032 χ^2/NDF:97006.6/3

Left: 157930.464+/-41.938 χ^2/NDF: 133912.9/8

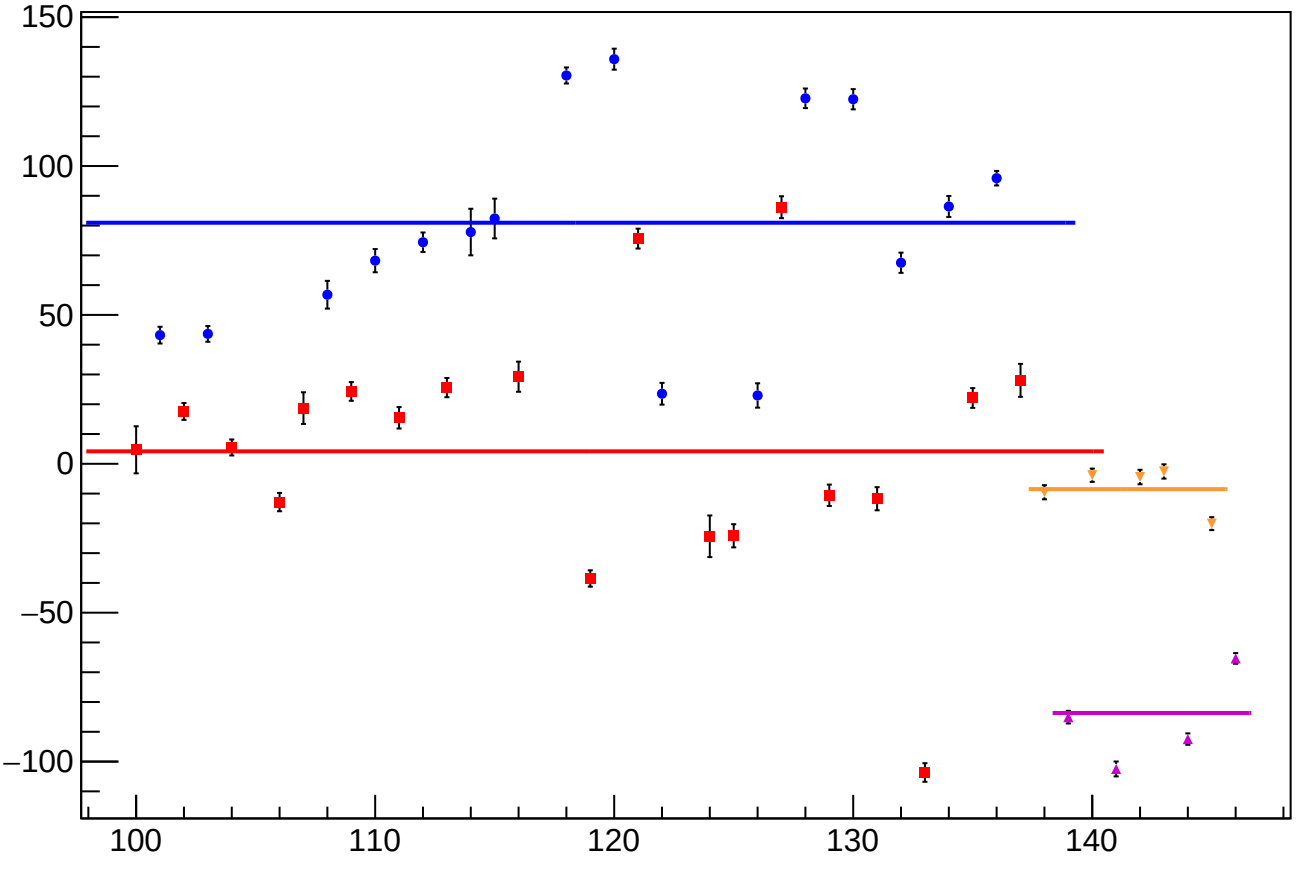
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 154.133+/-0.125 χ^2/NDF:18851763.0/19

Out: 156.807+/-0.118 χ^2/NDF:18671692.2/23

All: 155.554+/-0.086 χ^2/NDF: 37523696.9/43

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -8.500+/-1.035 χ^2/NDF:42.0/4

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -83.681+/-1.018 χ^2/NDF:182.4/3

Left: -46.714+/-0.726 χ^2/NDF: 2906.8/8

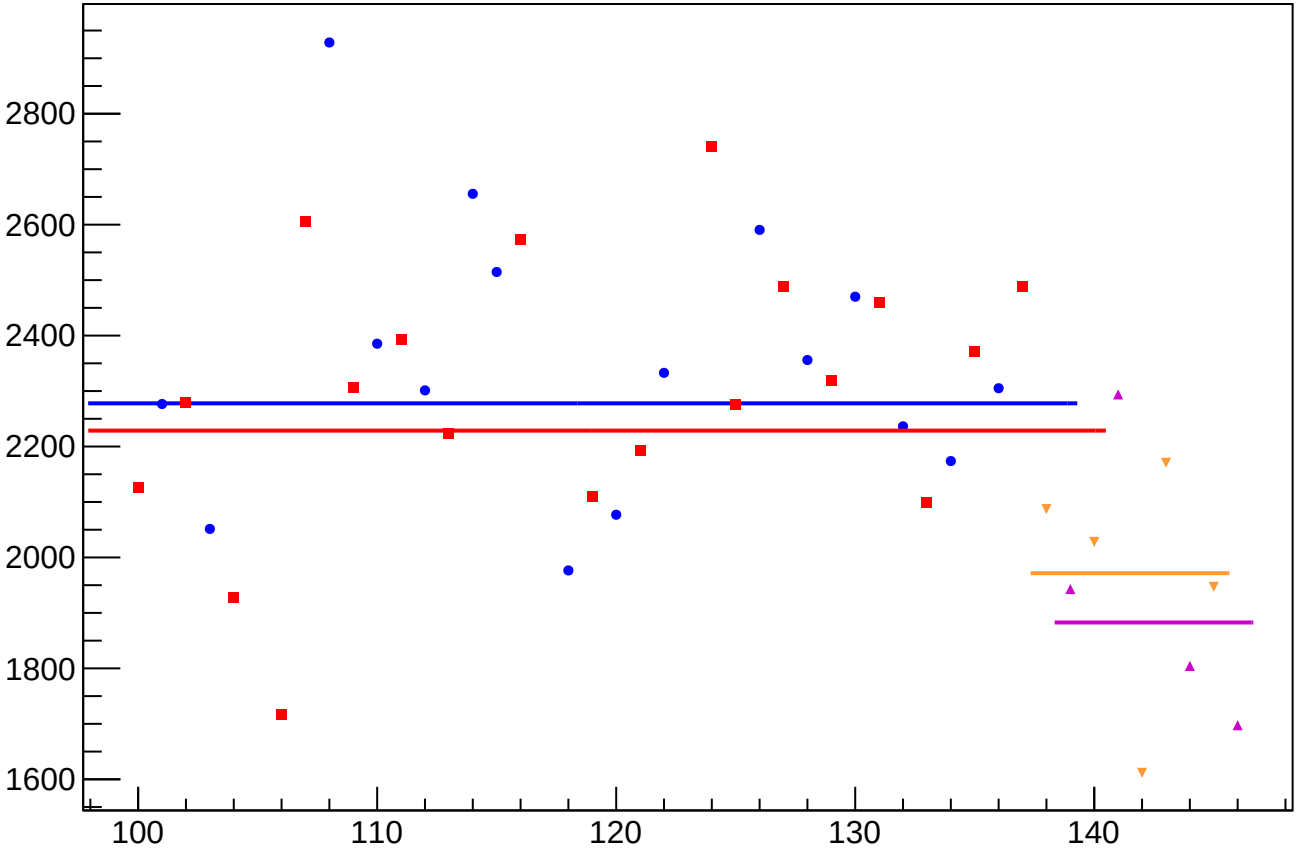
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: 13.179+/-0.653 χ^2/NDF:17387.8/19

Out: -0.710+/-0.643 χ^2/NDF:2853.9/23

All: 6.124+/-0.458 χ^2/NDF: 20471.5/43

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1971.635+/-0.732 χ^2/NDF:63907.8/4

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1882.751+/-0.720 χ^2/NDF:80406.7/3

Left: 1926.456+/-0.513 χ^2/NDF: 151813.3/8

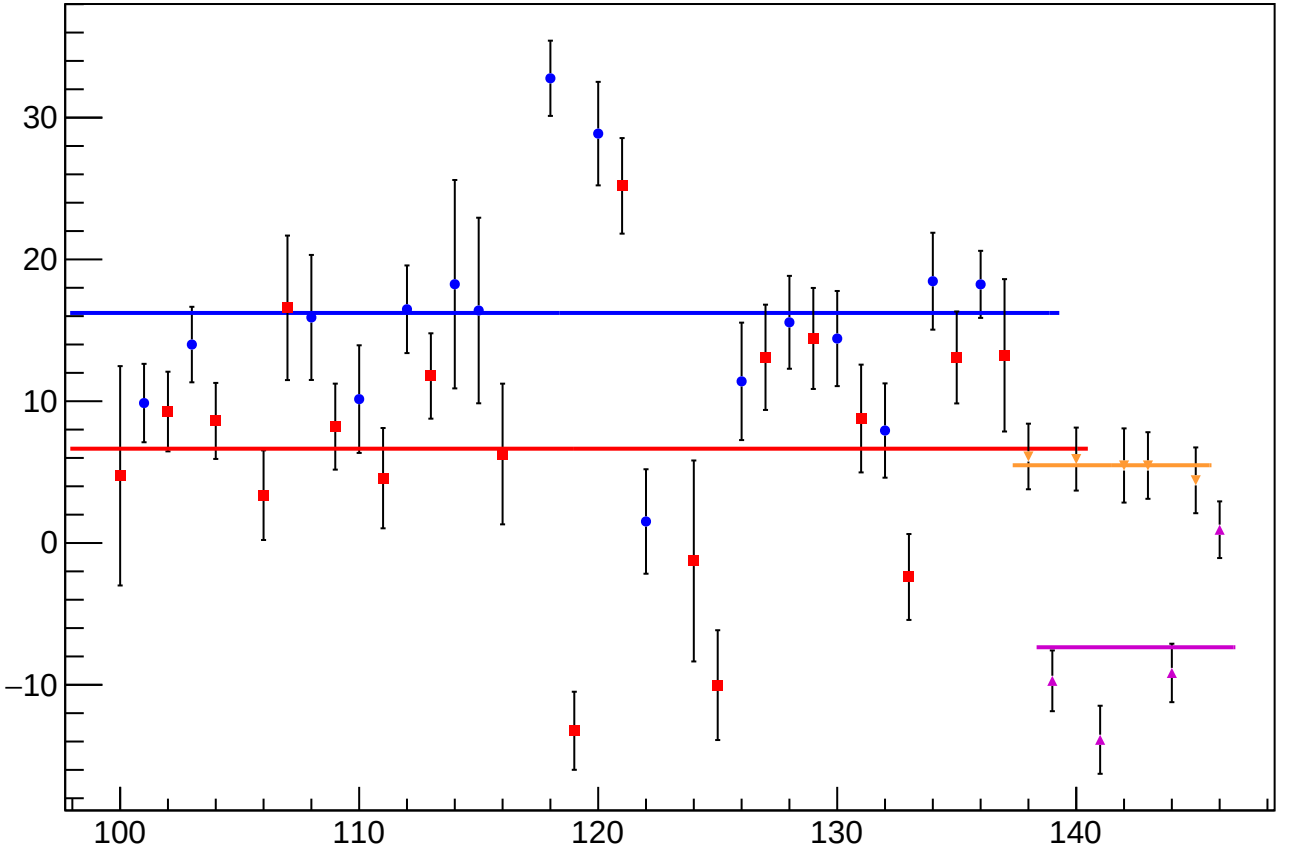
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2115.209+/-0.462 χ^2/NDF:373477.9/19

Out: 2129.533+/-0.454 χ^2/NDF:290837.4/23

All: 2122.486+/-0.324 χ^2/NDF: 664804.0/43

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.485+/-1.053 χ^2/NDF:0.3/4

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -7.351+/-1.068 χ^2/NDF:26.6/3

Left: -0.841+/-0.750 χ^2/NDF: 100.2/8

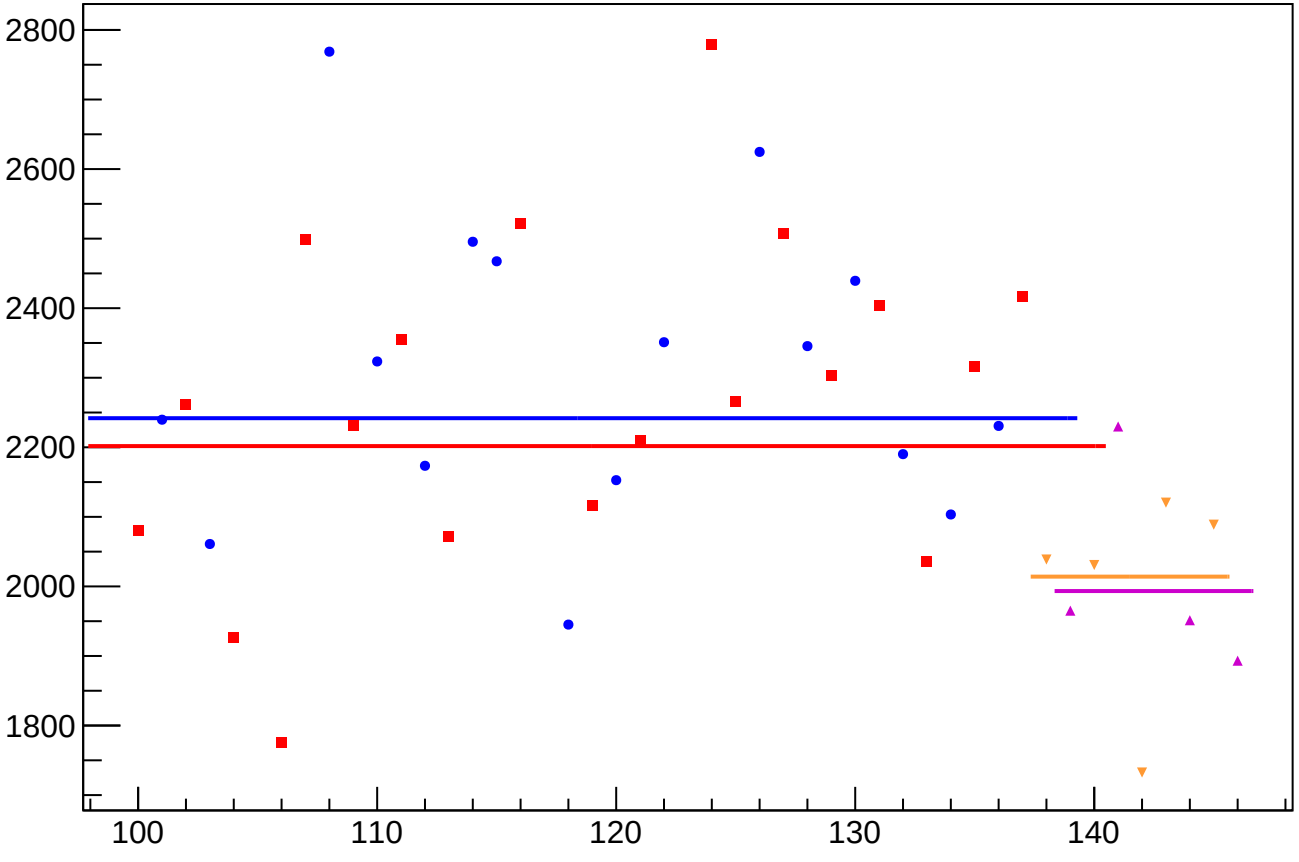
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 7.244+/-0.659 χ^2/NDF:413.0/19

Out: 6.218+/-0.642 χ^2/NDF:135.7/23

All: 6.717+/-0.460 χ^2/NDF: 549.9/43

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2014.079+/-0.744 χ^2/NDF:29680.3/4

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 1993.342+/-0.755 χ^2/NDF:25631.8/3

Left: 2003.859+/-0.530 χ^2/NDF: 55694.7/8

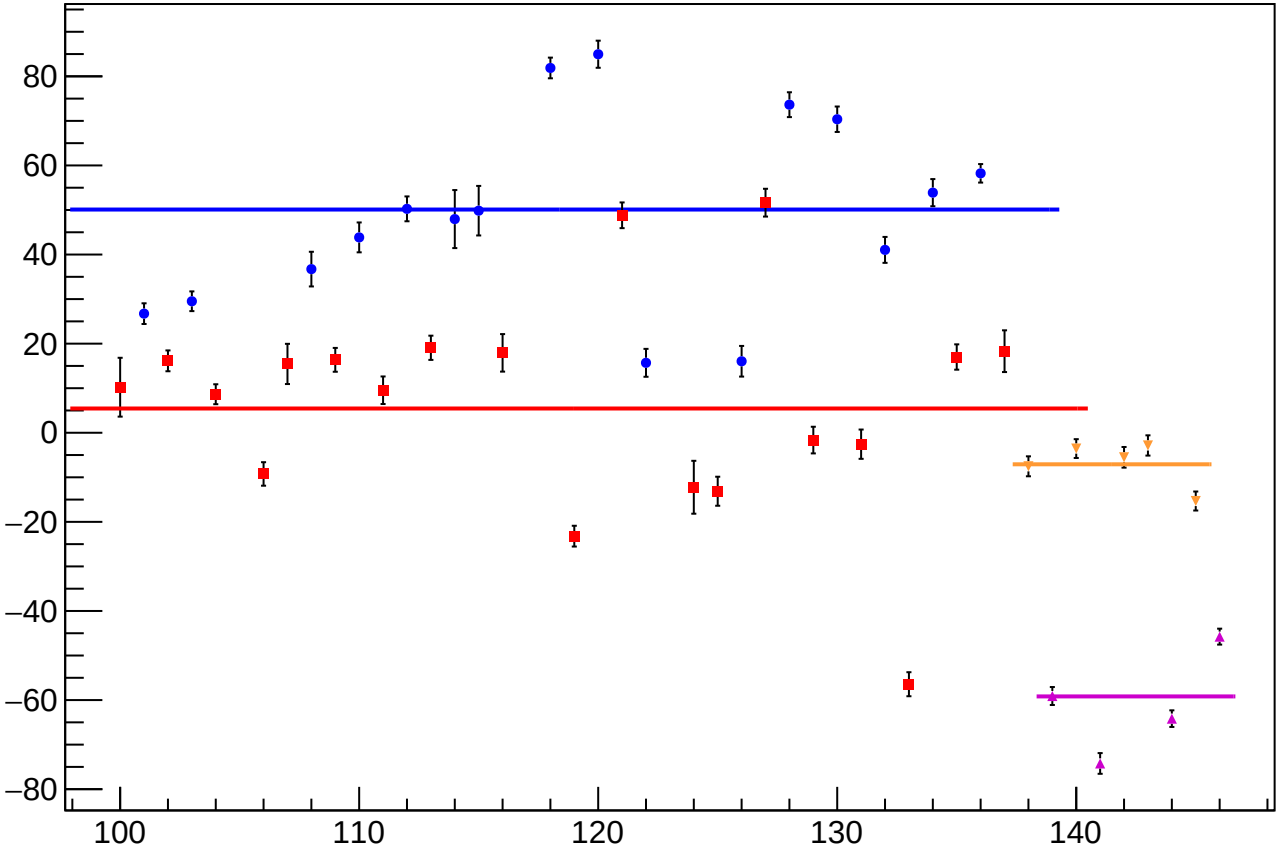
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2147.178+/-0.466 χ^2/NDF:194963.8/19

Out: 2132.014+/-0.454 χ^2/NDF:199517.6/23

All: 2139.393+/-0.325 χ^2/NDF: 395025.1/43

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -7.080+/-0.989 χ^2/NDF:21.7/4

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -59.179+/-0.985 χ^2/NDF:105.3/3

Left: -33.237+/-0.698 χ^2/NDF: 1520.9/8

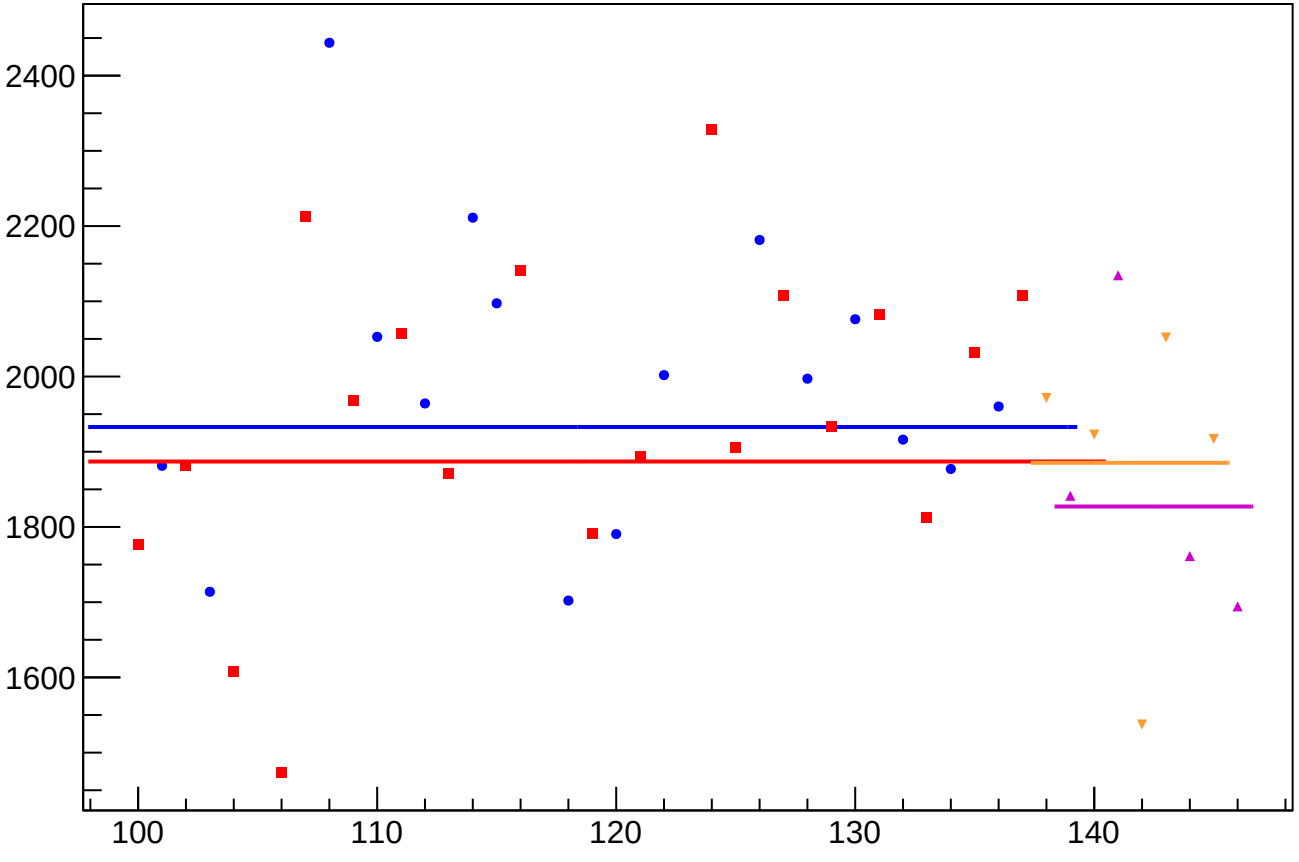
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: 11.883+/-0.582 χ^2/NDF:9003.3/19

Out: 1.308+/-0.568 χ^2/NDF:1440.7/23

All: 6.466+/-0.407 χ^2/NDF: 10612.9/43

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1885.309+/-0.699 χ^2/NDF:59791.4/4

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1827.180+/-0.696 χ^2/NDF:48575.1/3

Left: 1856.125+/-0.493 χ^2/NDF: 111837.0/8

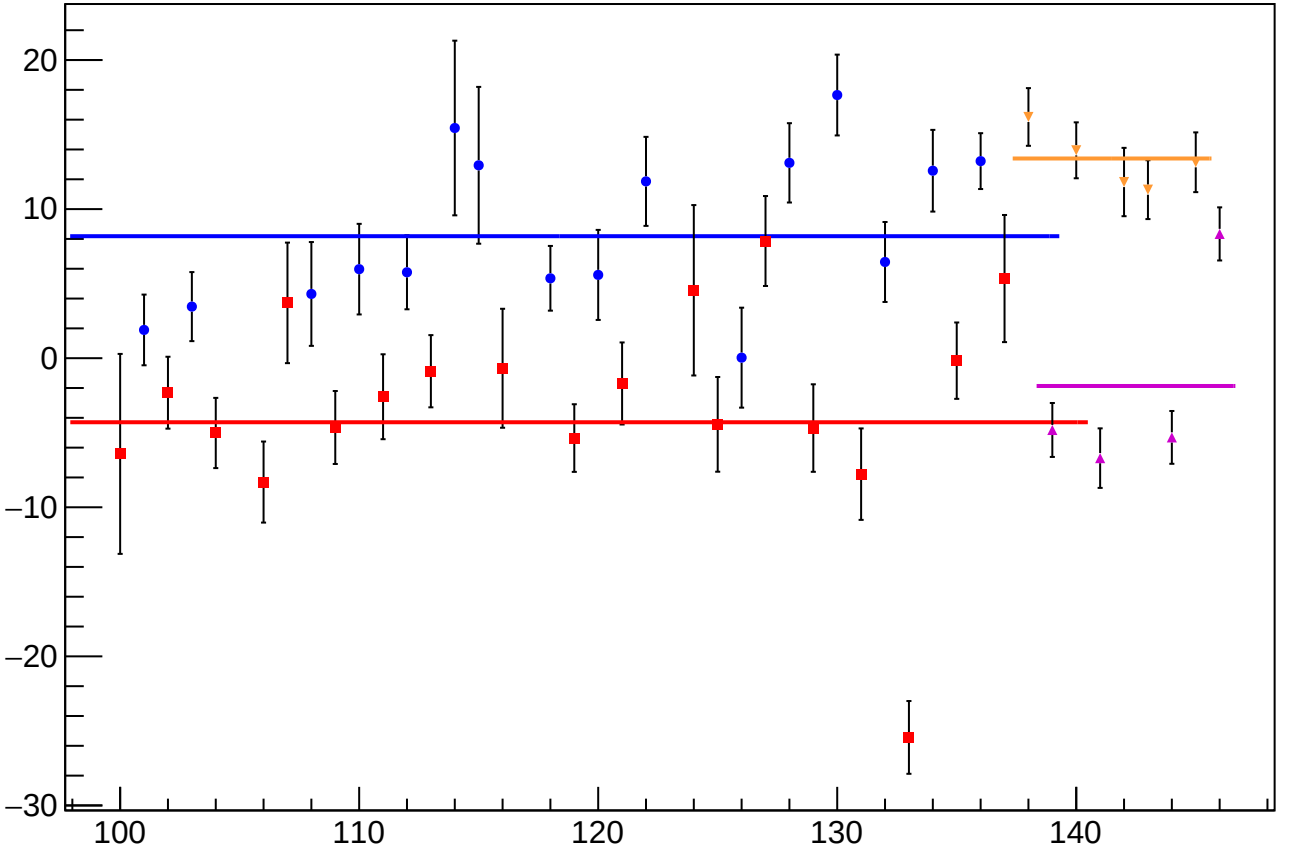
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1895.929+/-0.412 χ^2/NDF:169535.4/19

Out: 1886.445+/-0.402 χ^2/NDF:209541.9/23

All: 1891.071+/-0.288 χ^2/NDF: 379349.1/43

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.395+/-0.895 χ^2/NDF:3.8/4

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -1.864+/-0.917 χ^2/NDF:45.1/3

Left: 5.945+/-0.641 χ^2/NDF: 190.7/8

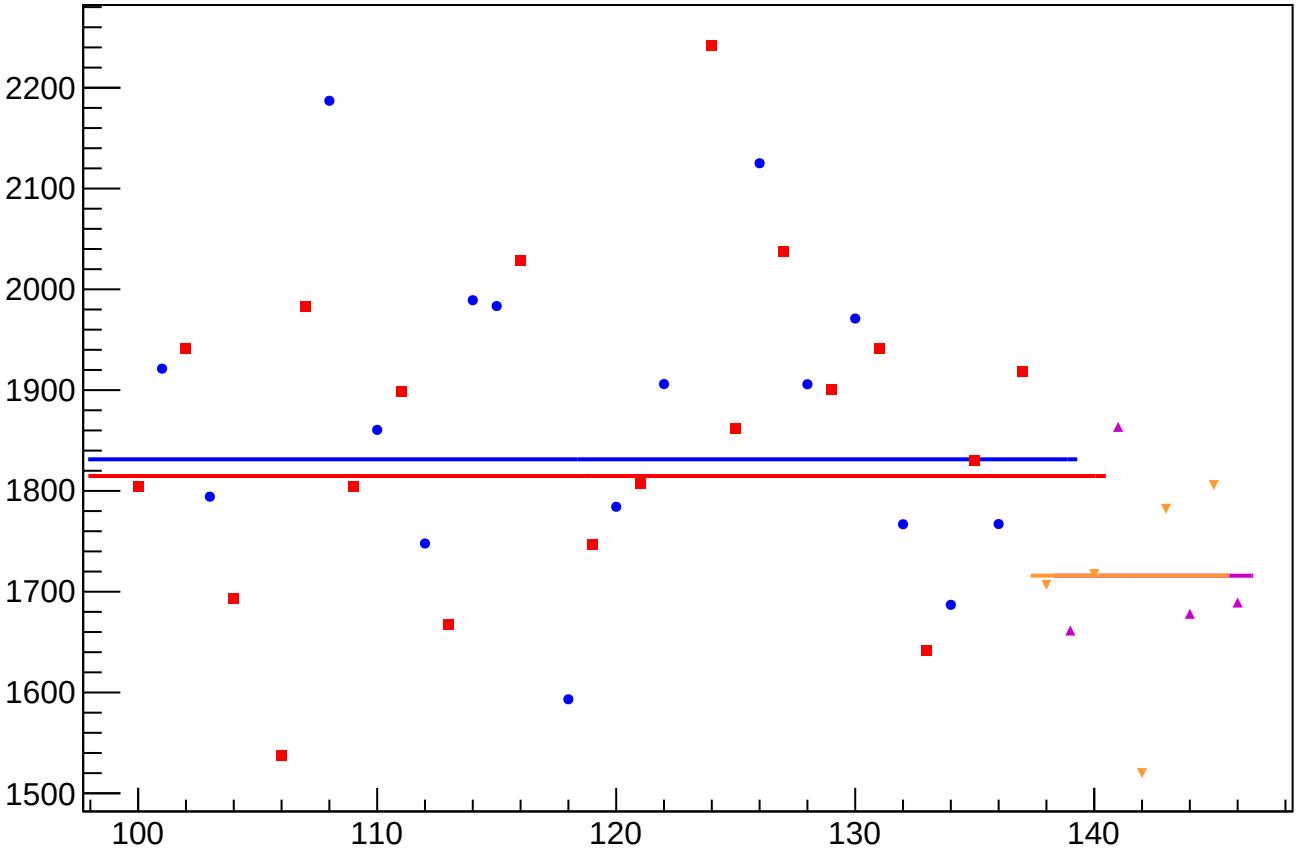
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 4.593+/-0.548 χ^2/NDF:174.3/19

Out: 1.998+/-0.534 χ^2/NDF:369.2/23

All: 3.262+/-0.382 χ^2/NDF: 555.0/43

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1715.970+/-0.633 χ^2/NDF:20941.7/4

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1715.896+/-0.648 χ^2/NDF:14097.6/3

Left: 1715.934+/-0.453 χ^2/NDF: 35039.4/8

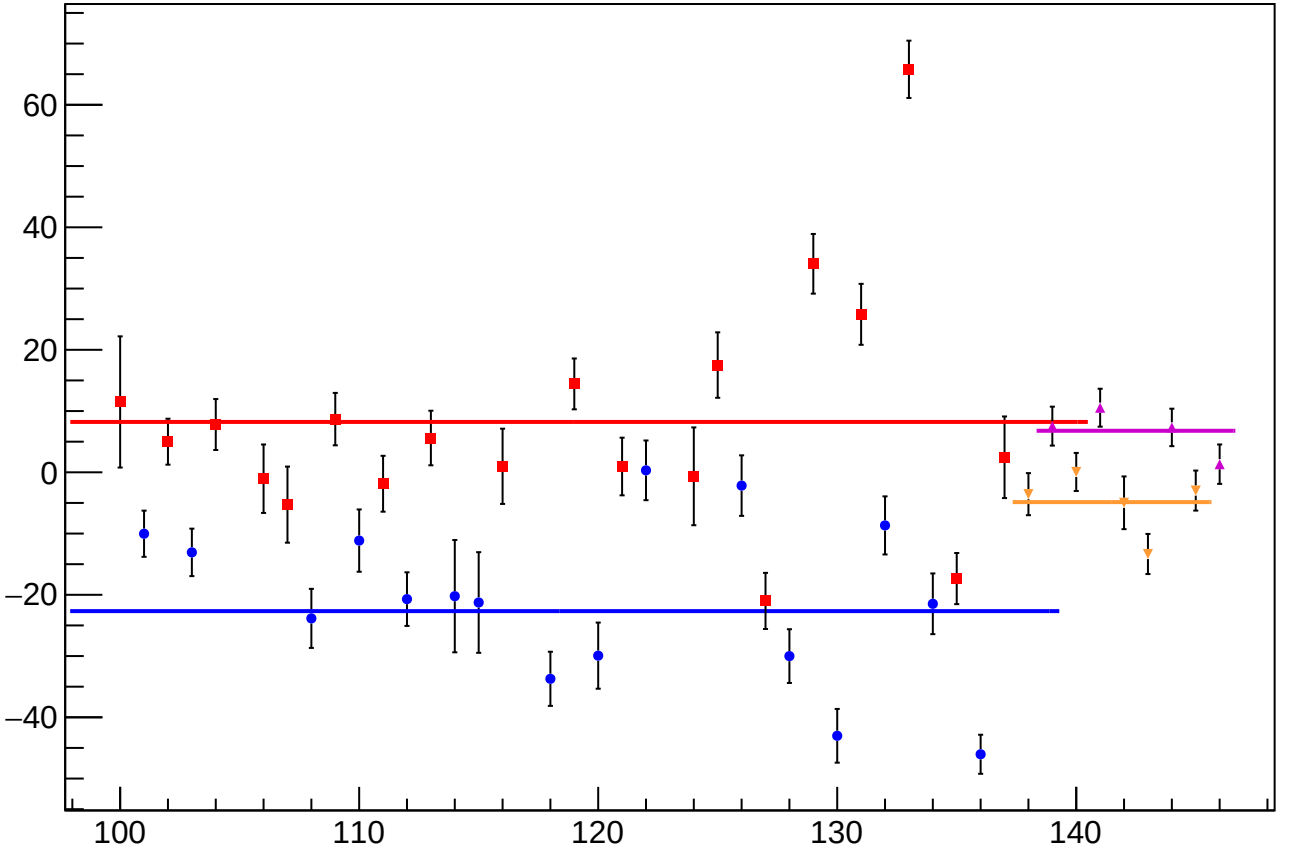
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1790.100+/-0.387 χ^2/NDF:121407.7/19

Out: 1779.618+/-0.378 χ^2/NDF:127368.0/23

All: 1784.725+/-0.270 χ^2/NDF: 249151.0/43

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -4.866+/-1.526 χ^2/NDF:9.7/4

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 6.780+/-1.568 χ^2/NDF:4.4/3

Left: 0.802+/-1.094 χ^2/NDF: 42.4/8

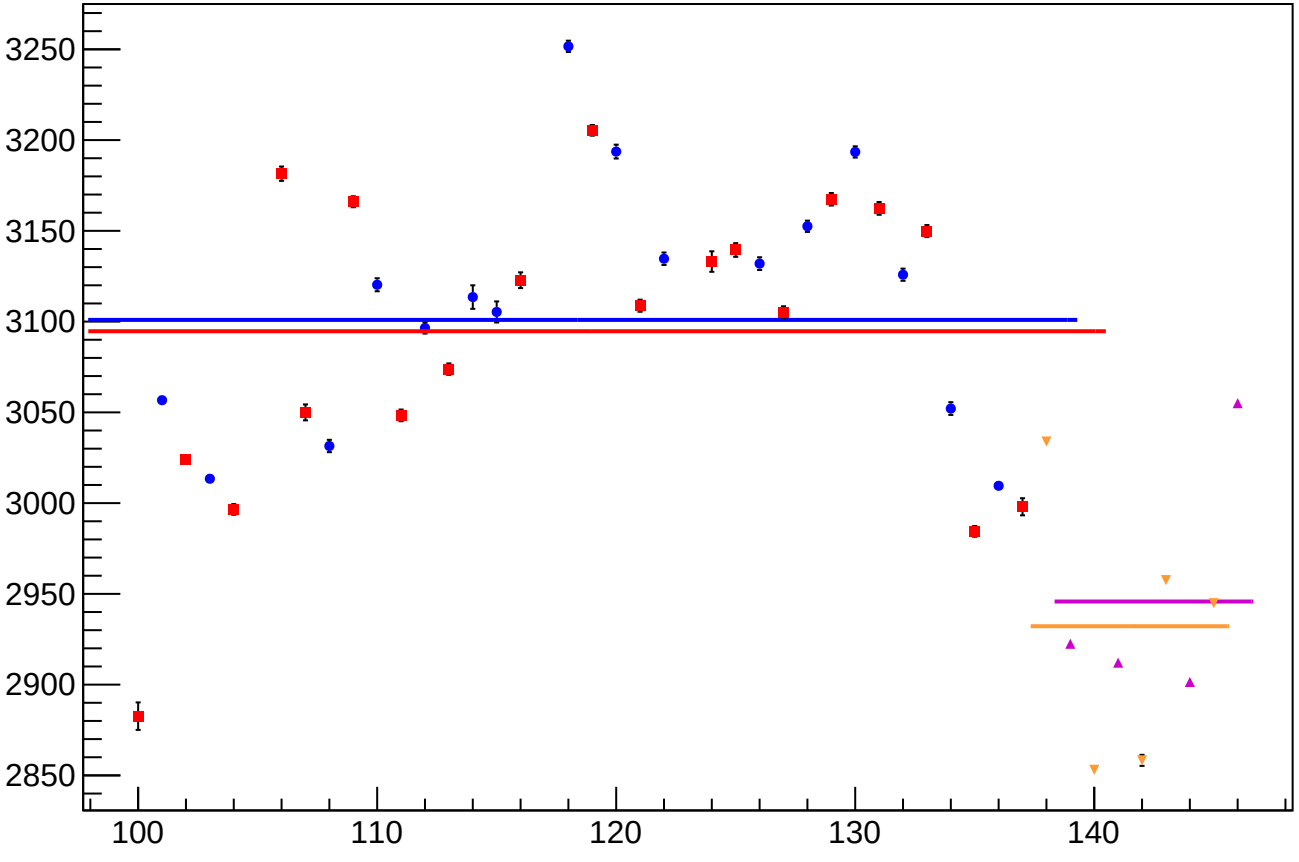
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -12.339+/-0.928 χ^2/NDF:390.7/19

Out: 3.596+/-0.908 χ^2/NDF:352.0/23

All: -4.192+/-0.649 χ^2/NDF: 893.4/43

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2932.172+/-1.079 χ^2/NDF:3791.1/4

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 2945.789+/-1.108 χ^2/NDF:3070.8/3

Left: 2938.799+/-0.773 χ^2/NDF: 6939.5/8

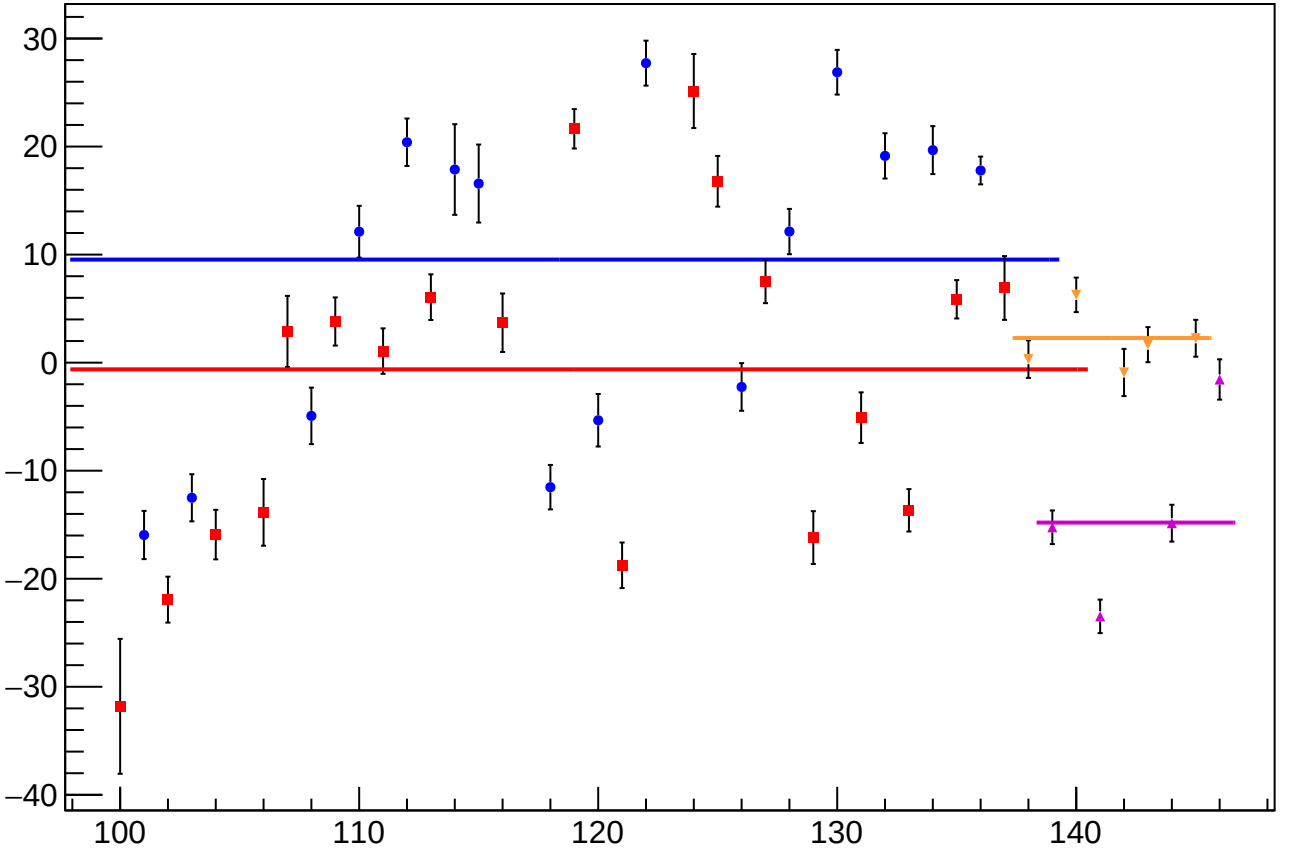
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3046.538+/-0.656 χ^2/NDF:23686.3/19

Out: 3037.230+/-0.642 χ^2/NDF:27032.6/23

All: 3041.779+/-0.459 χ^2/NDF: 50821.7/43

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 2.285+/-0.777 χ^2/NDF:9.8/4

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -14.802+/-0.828 χ^2/NDF:81.8/3

Left: -5.723+/-0.567 χ^2/NDF: 318.1/8

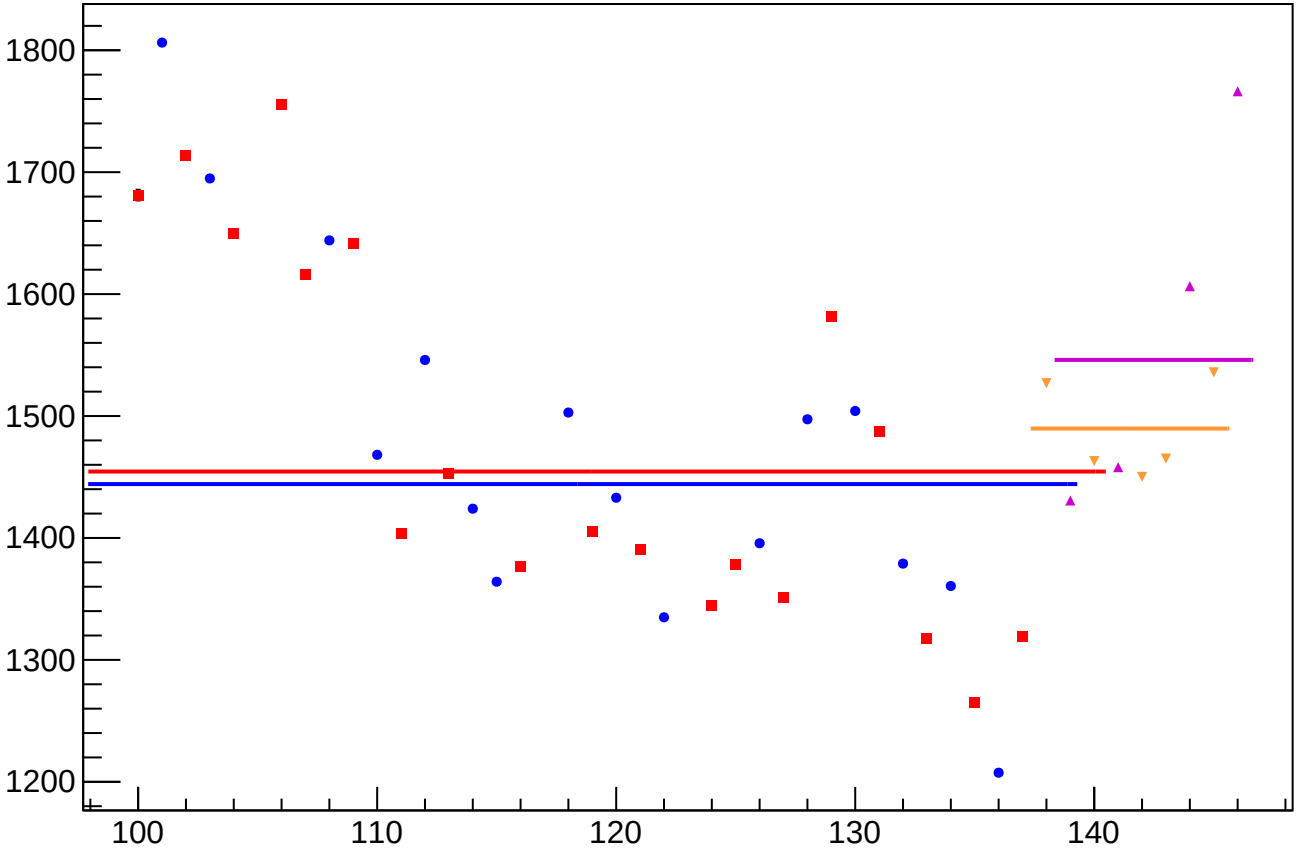
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: 2.247+/-0.453 χ^2/NDF:1386.4/19

Out: 0.312+/-0.440 χ^2/NDF:685.1/23

All: 1.252+/-0.316 χ^2/NDF: 2080.9/43

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1489.738+/-0.550 χ^2/NDF:4053.5/4

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1546.040+/-0.585 χ^2/NDF:47805.3/3

Left: 1516.123+/-0.401 χ^2/NDF: 56776.7/8

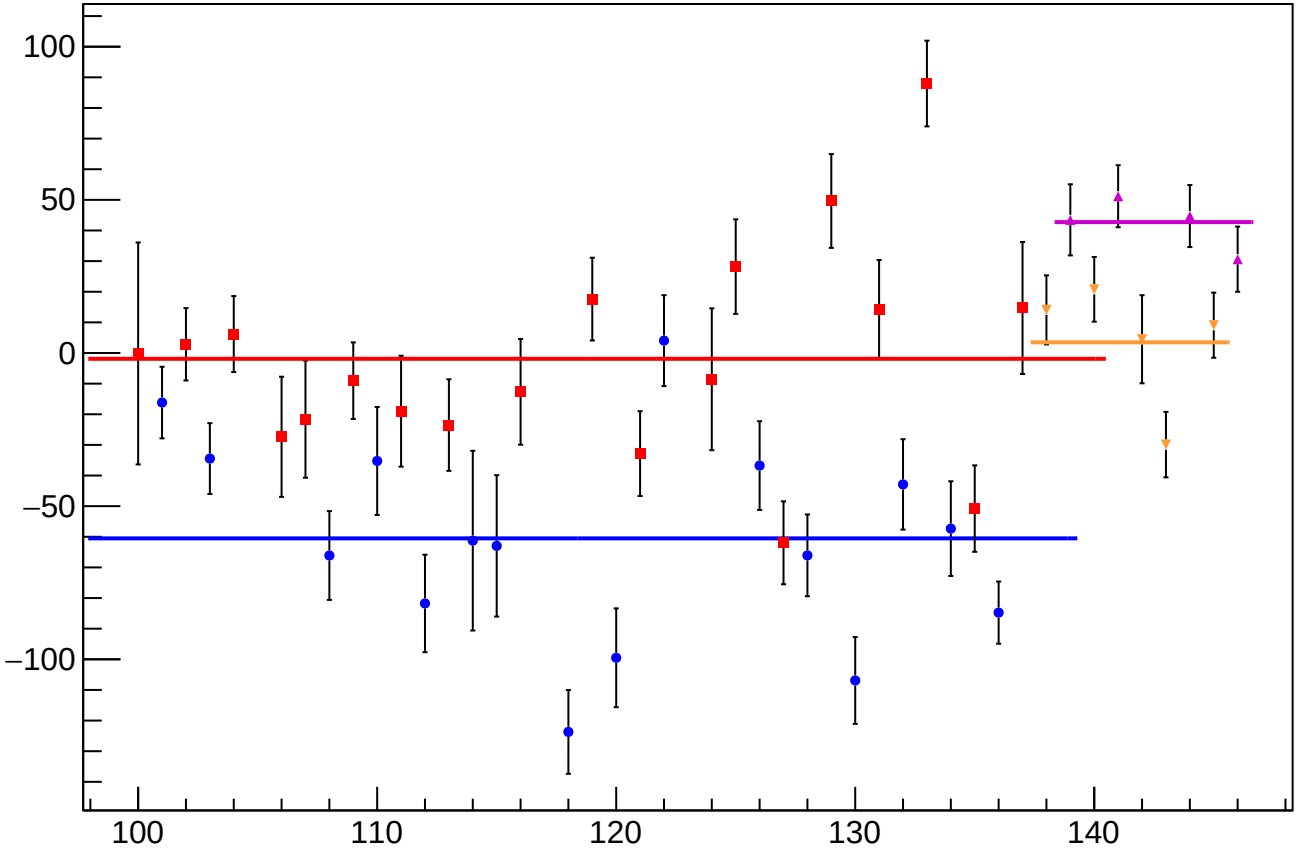
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1474.703+/-0.320 χ^2/NDF:249167.6/19

Out: 1465.782+/-0.311 χ^2/NDF:149623.3/23

All: 1470.114+/-0.223 χ^2/NDF: 399189.8/43

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: 3.486+/-5.047 χ^2/NDF:13.6/4

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 42.740+/-5.287 χ^2/NDF:2.0/3

Left: 22.204+/-3.651 χ^2/NDF: 44.5/8

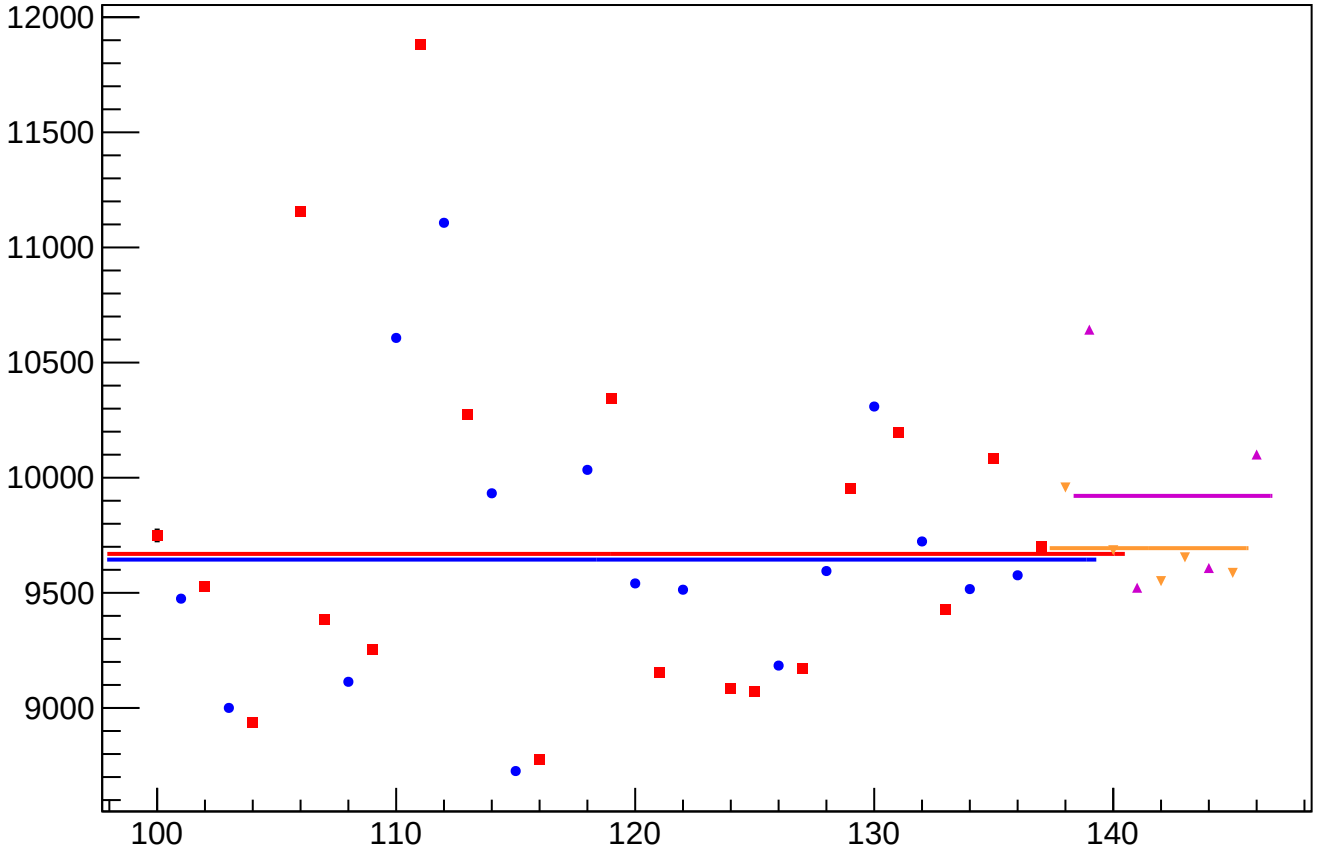
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -27.853+/-2.974 χ^2/NDF:353.1/19

Out: -0.118+/-2.900 χ^2/NDF:118.2/23

All: -13.637+/-2.076 χ^2/NDF: 516.0/43

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9694.044+/-3.569 χ^2/NDF:1524.6/4

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 9921.130+/-3.738 χ^2/NDF:13326.7/3

Left: 9802.326+/-2.581 χ^2/NDF: 16781.7/8

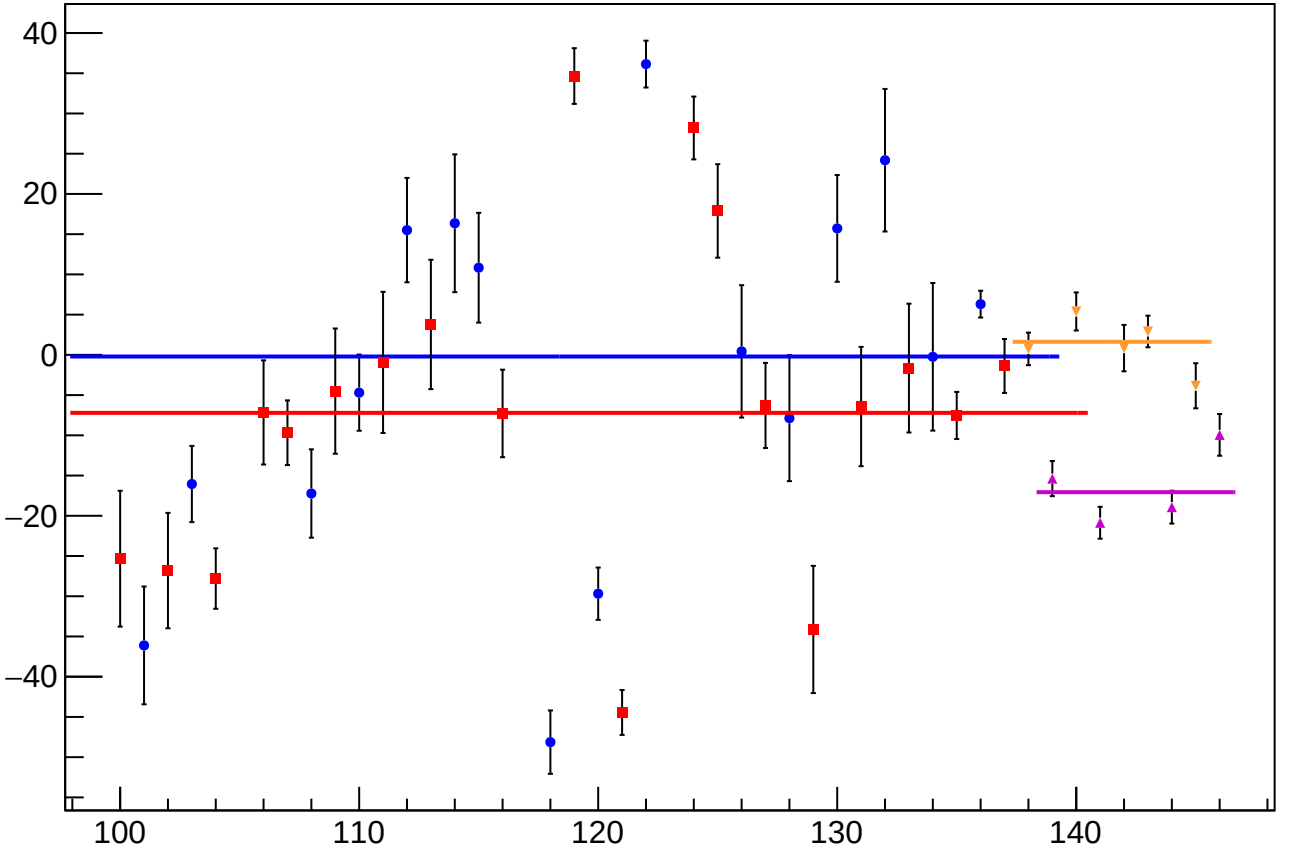
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9731.936+/-2.103 χ^2/NDF:61174.6/19

Out: 9677.358+/-2.050 χ^2/NDF:81435.3/23

All: 9703.962+/-1.468 χ^2/NDF: 142955.3/43

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 1.623+/-1.037 χ^2/NDF:7.0/4

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -17.067+/-1.083 χ^2/NDF:12.7/3

Left: -7.320+/-0.749 χ^2/NDF: 175.1/8

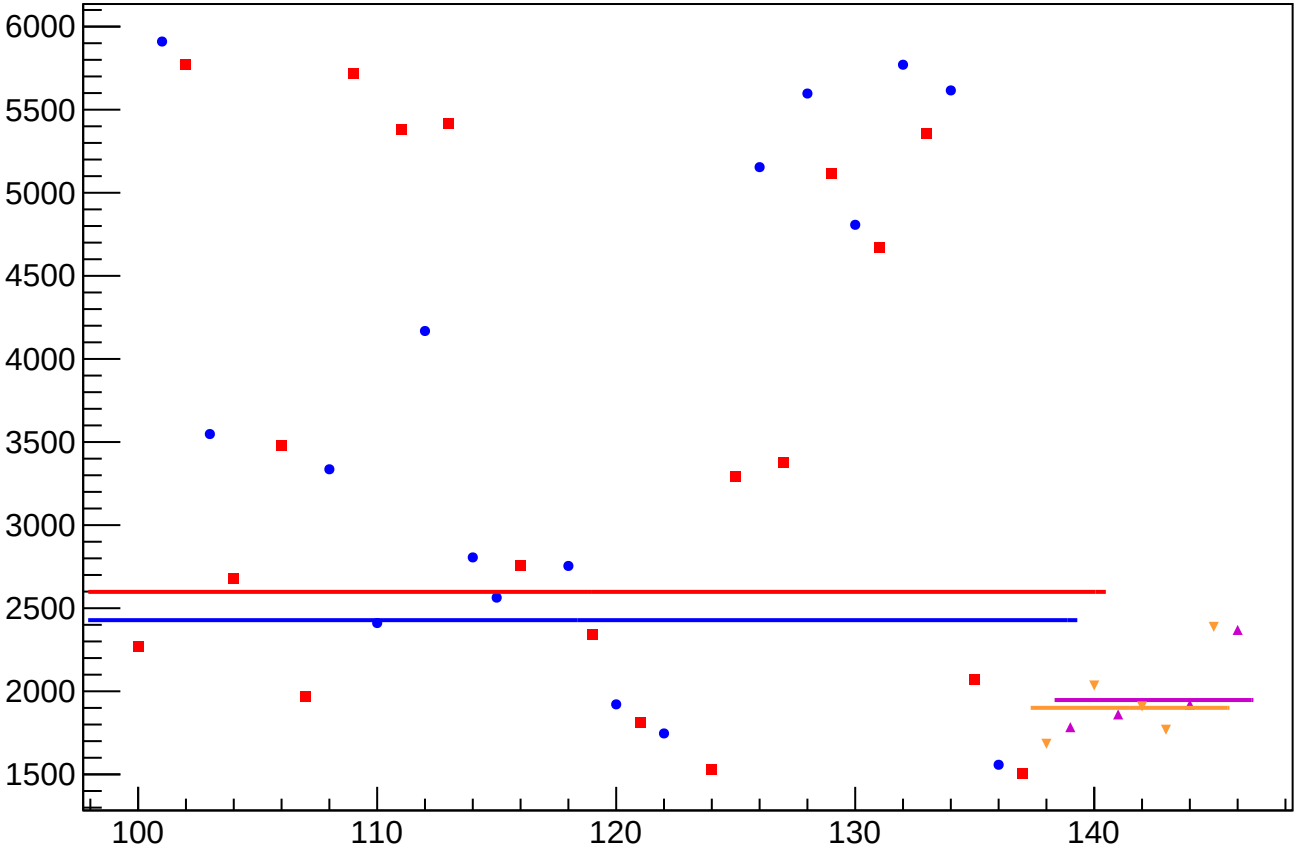
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -8.342+/-0.752 χ^2/NDF:611.9/19

Out: -2.638+/-0.746 χ^2/NDF:527.7/23

All: -5.467+/-0.530 χ^2/NDF: 1168.5/43

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1900.555+/-0.733 χ^2/NDF:98783.9/4

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 1947.456+/-0.765 χ^2/NDF:68330.6/3

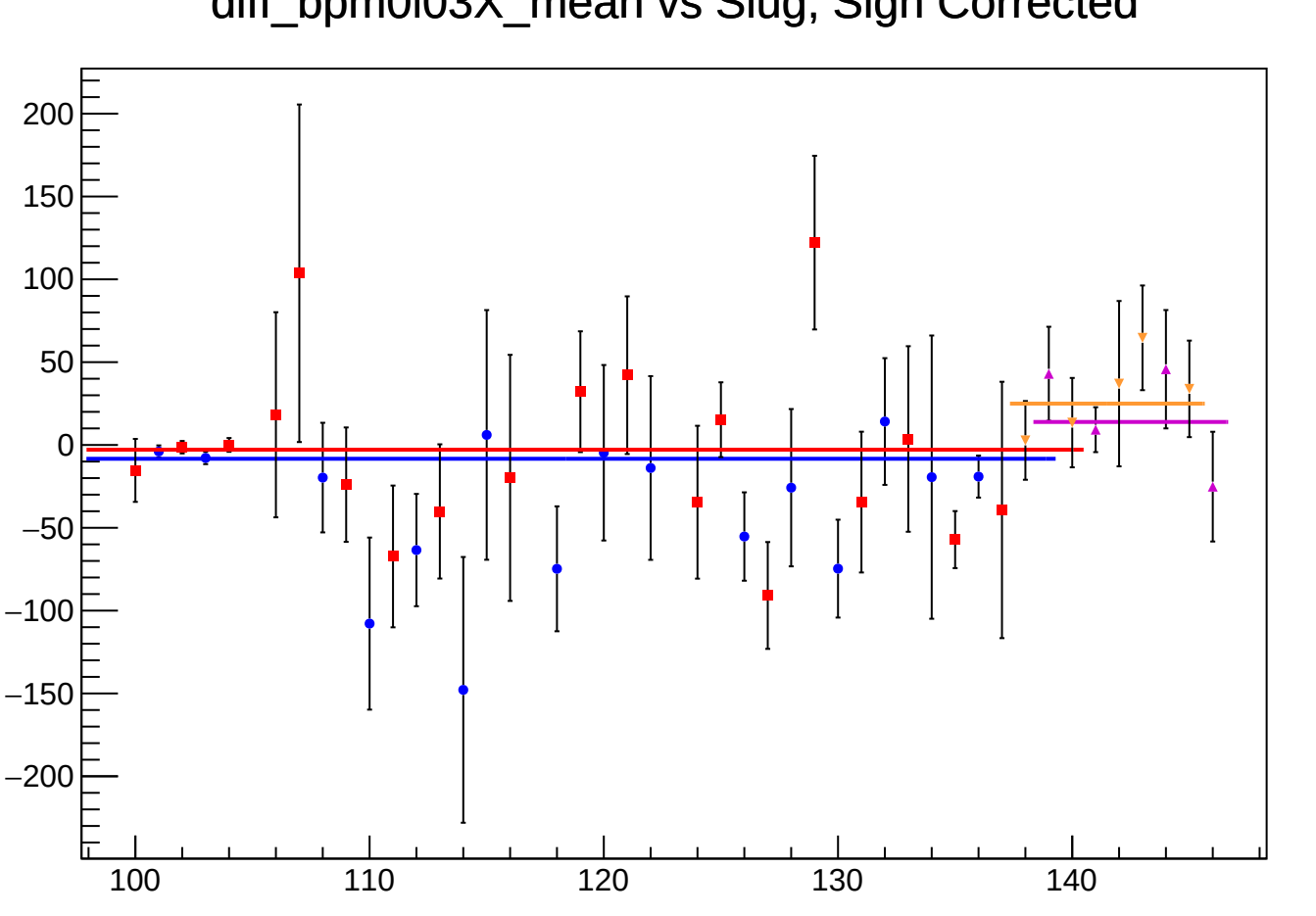
Left: 1922.998+/-0.530 χ^2/NDF: 169072.2/8

Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

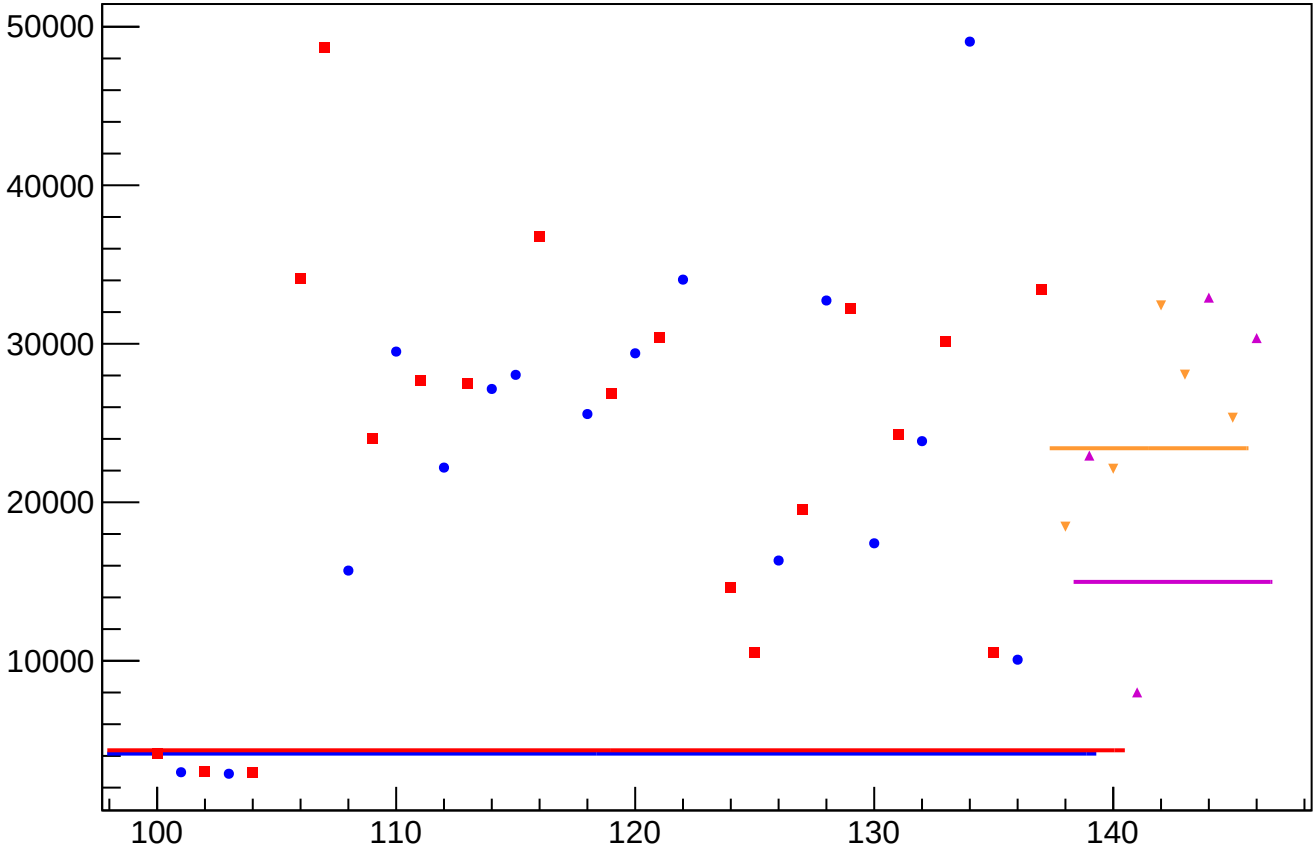
In: 2196.167+/-0.532 χ^2/NDF:3087667.8/19

Out: 2237.334+/-0.527 χ^2/NDF:3050762.4/23

All: 2216.918+/-0.374 χ^2/NDF: 6141451.5/43


diff_bpm0l03X_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
Right In: -8.332+/-2.499 χ²/NDF: 23.4/15
Left Out: 24.970+/-13.215 χ²/NDF:2.8/4
Right Out: -2.848+/-2.640 χ²/NDF: 32.6/18
Left In: 13.898+/-10.923 χ²/NDF:3.3/3
Left: 18.392+/-8.419 χ²/NDF: 6.6/8
Right: -5.740+/-1.815 χ²/NDF: 58.3/34
In: -7.226+/-2.436 χ²/NDF:30.7/19
Out: -1.781+/-2.588 χ²/NDF:39.7/23
All: -4.668+/-1.774 χ²/NDF: 72.7/43

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 23409.640+/-9.344 χ^2/NDF:208388.4/4

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 14978.646+/-7.724 χ^2/NDF:1621803.0/3

Left: 18400.771+/-5.953 χ^2/NDF: 2313824.8/8

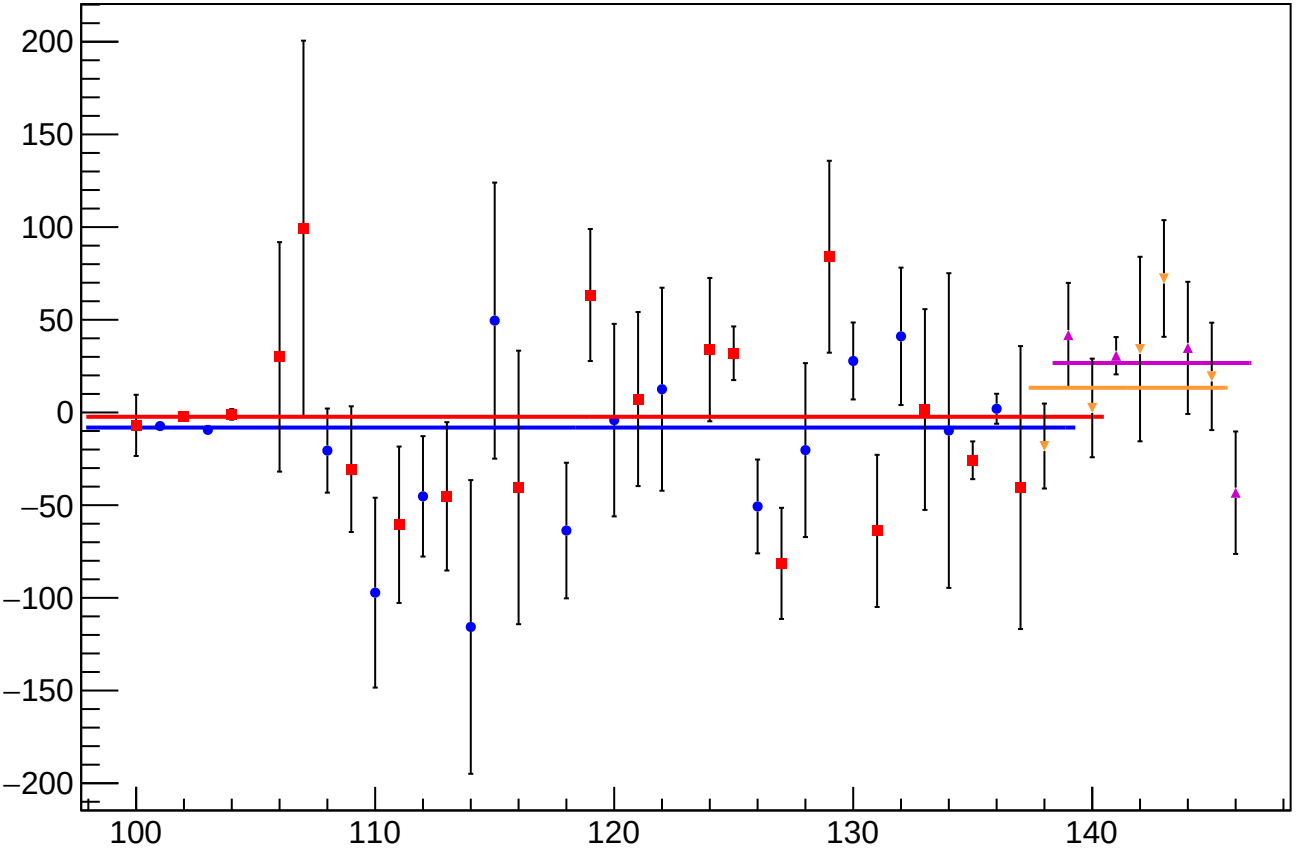
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 4684.751+/-1.723 χ^2/NDF:10327989.5/19

Out: 5085.502+/-1.830 χ^2/NDF:11831999.4/23

All: 4873.013+/-1.254 χ^2/NDF: 22185408.4/4

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: 13.330+/-12.994 χ^2/NDF:5.8/4

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 26.699+/-8.826 χ^2/NDF:5.0/3

Left: 22.479+/-7.301 χ^2/NDF: 11.5/8

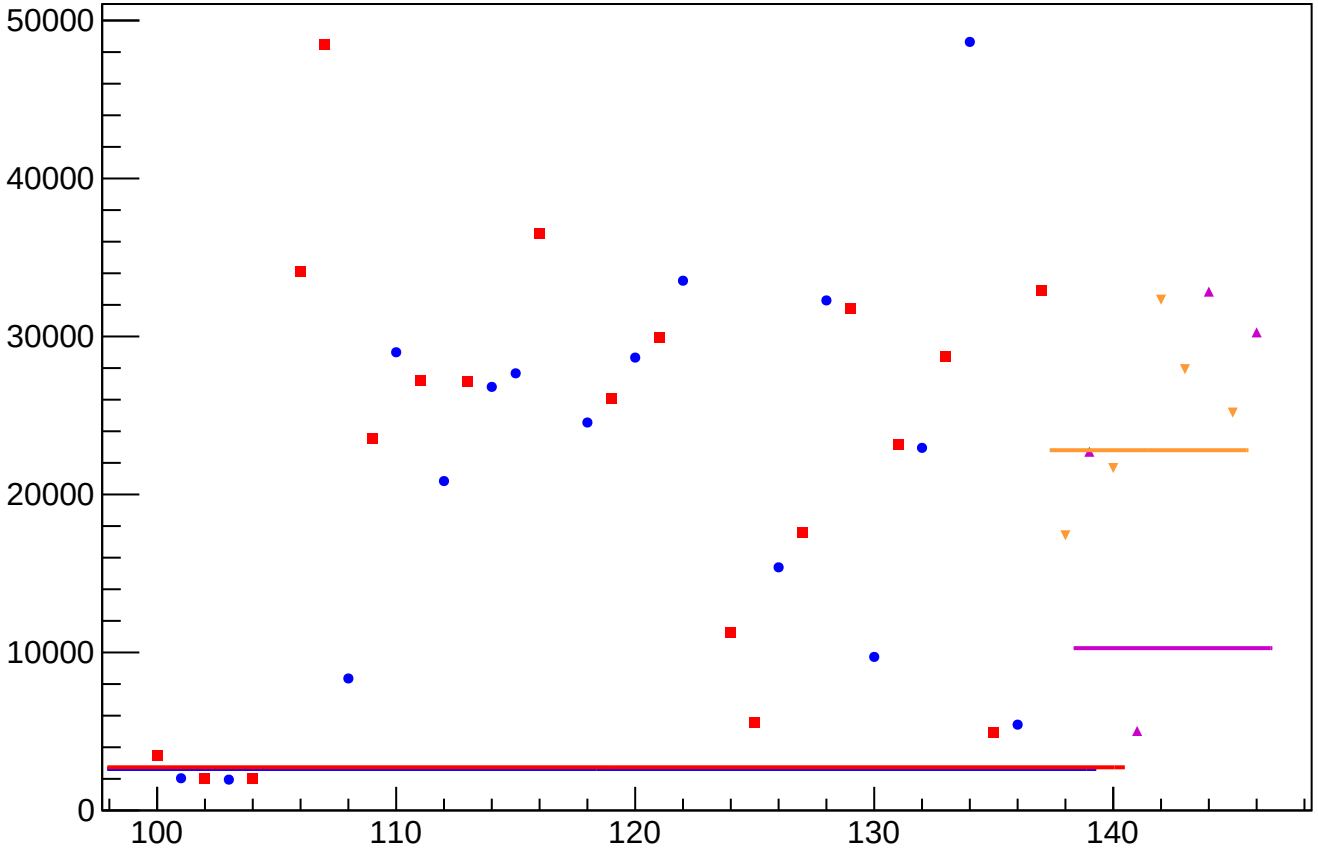
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.857+/-1.689 χ^2/NDF:39.1/19

Out: -2.023+/-1.804 χ^2/NDF:40.3/23

All: -4.600+/-1.233 χ^2/NDF: 83.2/43

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22801.362+/-9.188 χ^2/NDF:254100.7/4

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 10273.585+/-6.241 χ^2/NDF:2466165.2/3

Left: 14228.471+/-5.163 χ^2/NDF: 3992412.4/8

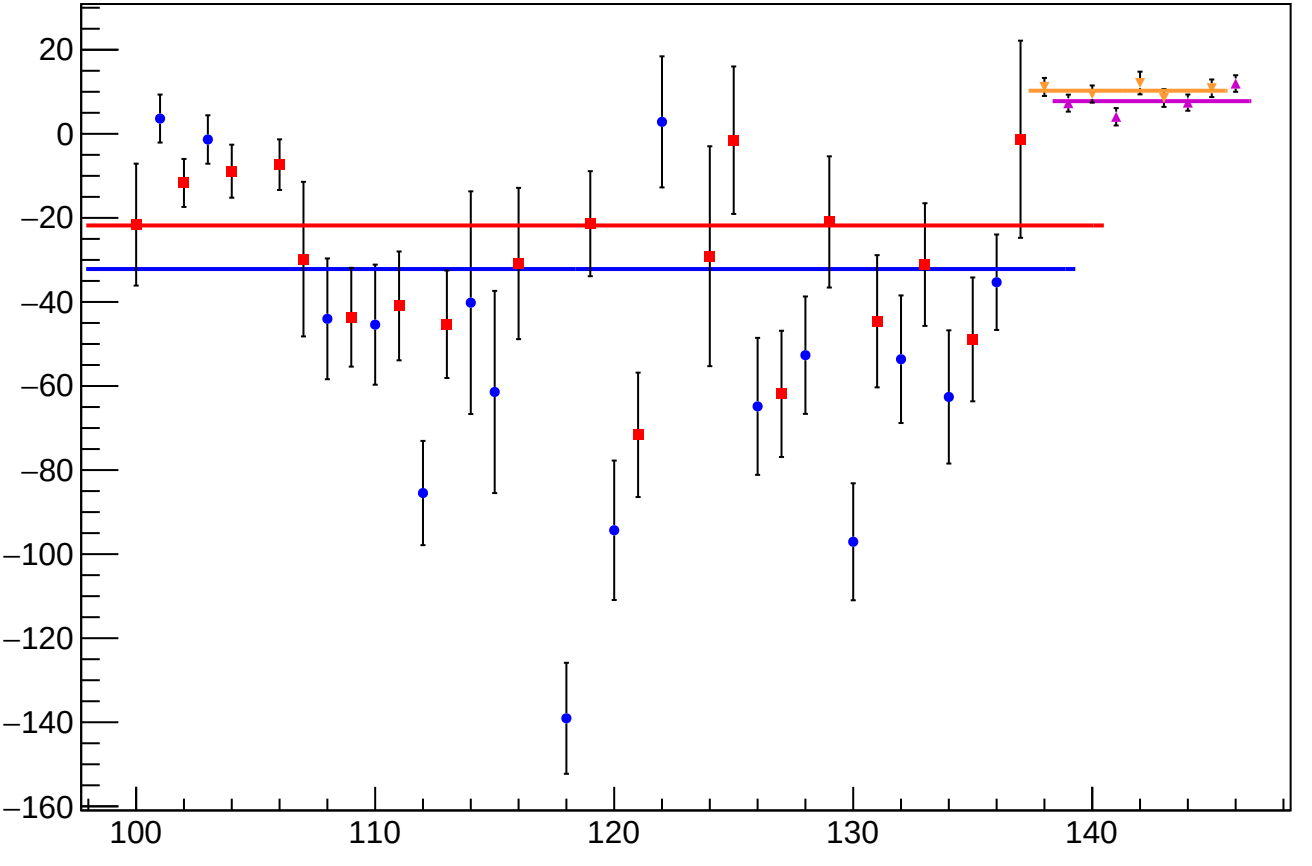
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 2906.365+/-1.194 χ^2/NDF:10693597.2/19

Out: 3117.100+/-1.276 χ^2/NDF:12919878.4/23

All: 3004.777+/-0.872 χ^2/NDF: 23628022.0/4

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.259+/-0.978 χ^2/NDF:1.5/4

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 7.775+/-0.998 χ^2/NDF:7.8/3

Left: 9.042+/-0.698 χ^2/NDF: 12.5/8

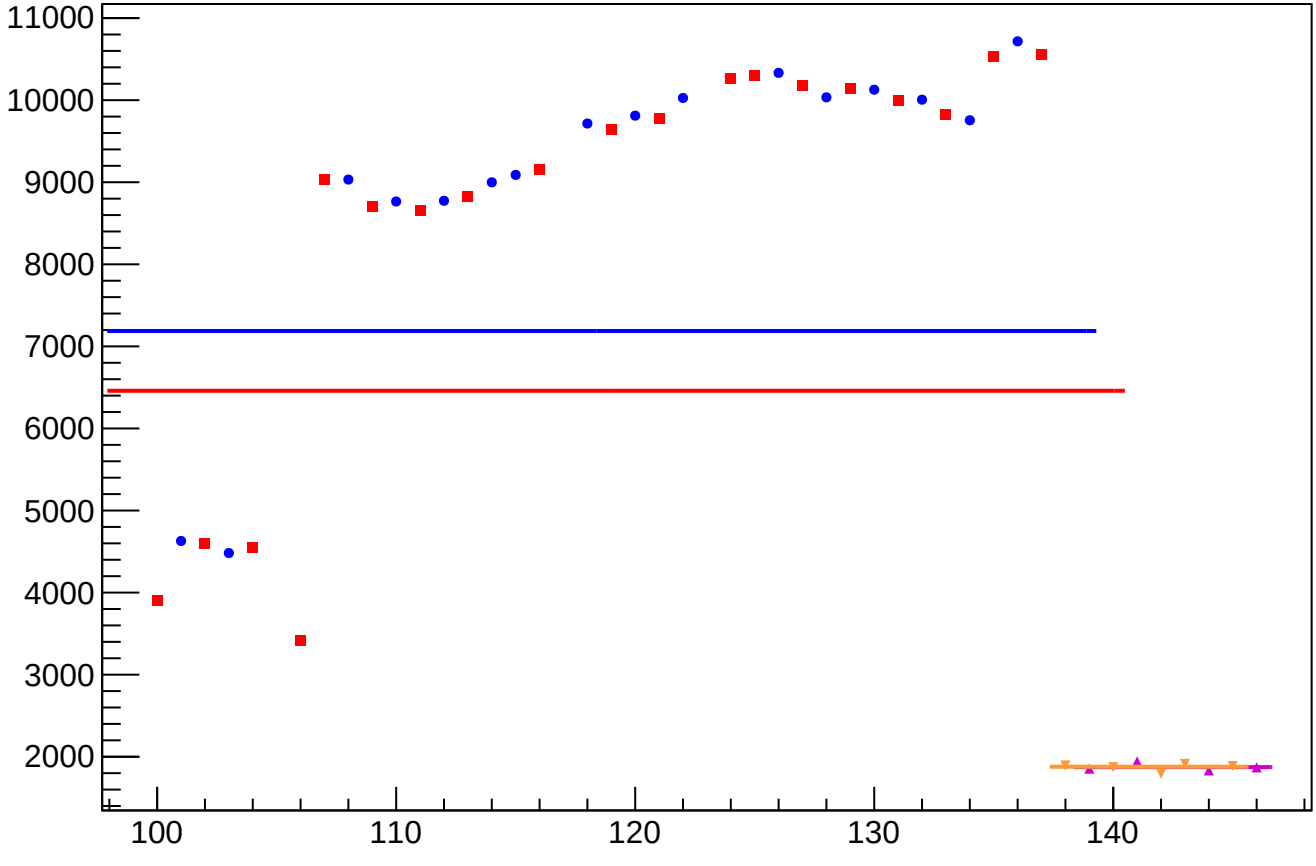
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 3.392+/-0.941 χ^2/NDF:391.5/19

Out: 6.168+/-0.914 χ^2/NDF:187.7/23

All: 4.822+/-0.656 χ^2/NDF: 583.7/43

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1878.263+/-0.692 χ^2/NDF:2610.3/4

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 1873.788+/-0.705 χ^2/NDF:3348.3/3

Left: 1876.070+/-0.494 χ^2/NDF: 5979.1/8

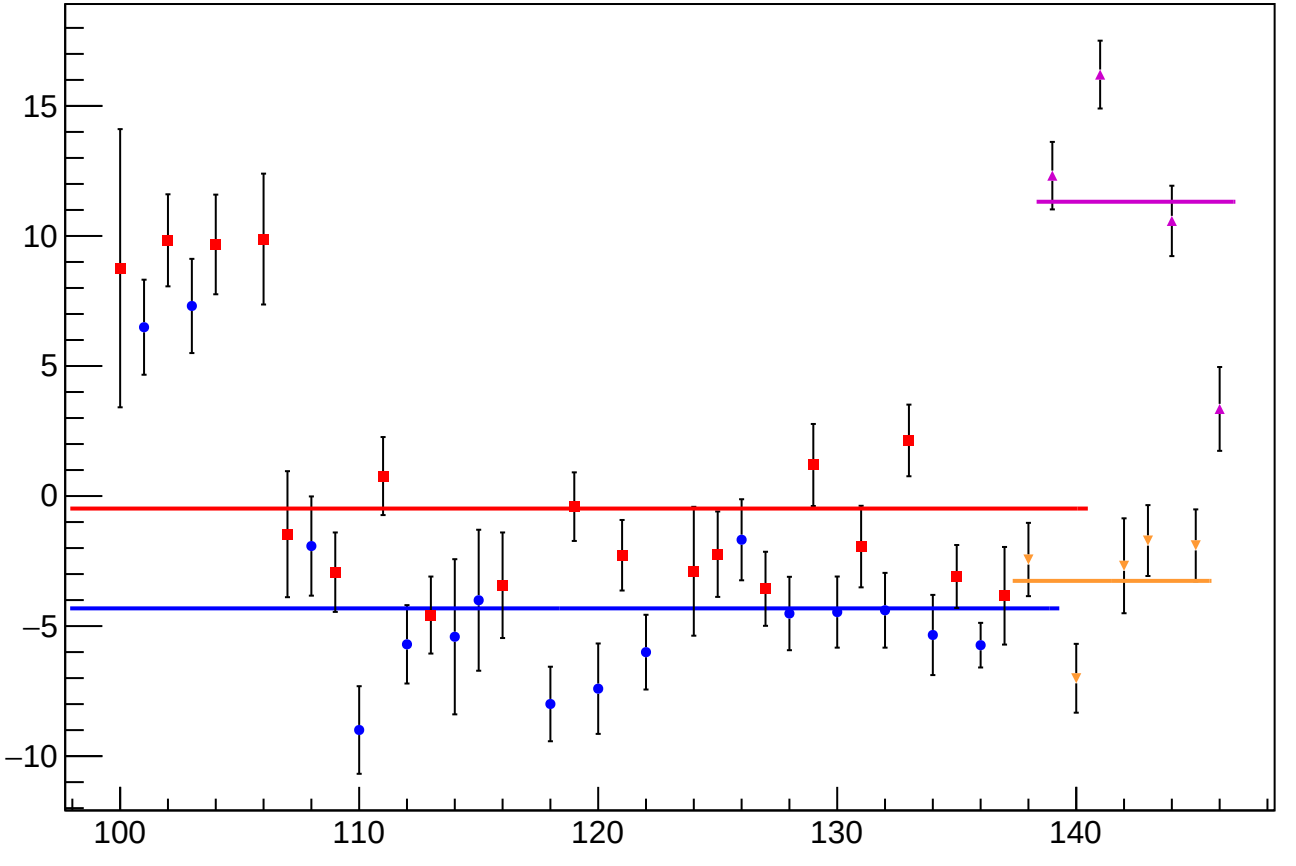
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2456.808+/-0.666 χ^2/NDF:7934634.2/19

Out: 2462.902+/-0.646 χ^2/NDF:7877741.8/23

All: 2459.946+/-0.464 χ^2/NDF: 15812419.2/4

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -3.262+/-0.641 χ^2/NDF:10.7/4

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 11.316+/-0.688 χ^2/NDF:39.4/3

Left: 3.508+/-0.469 χ^2/NDF: 290.6/8

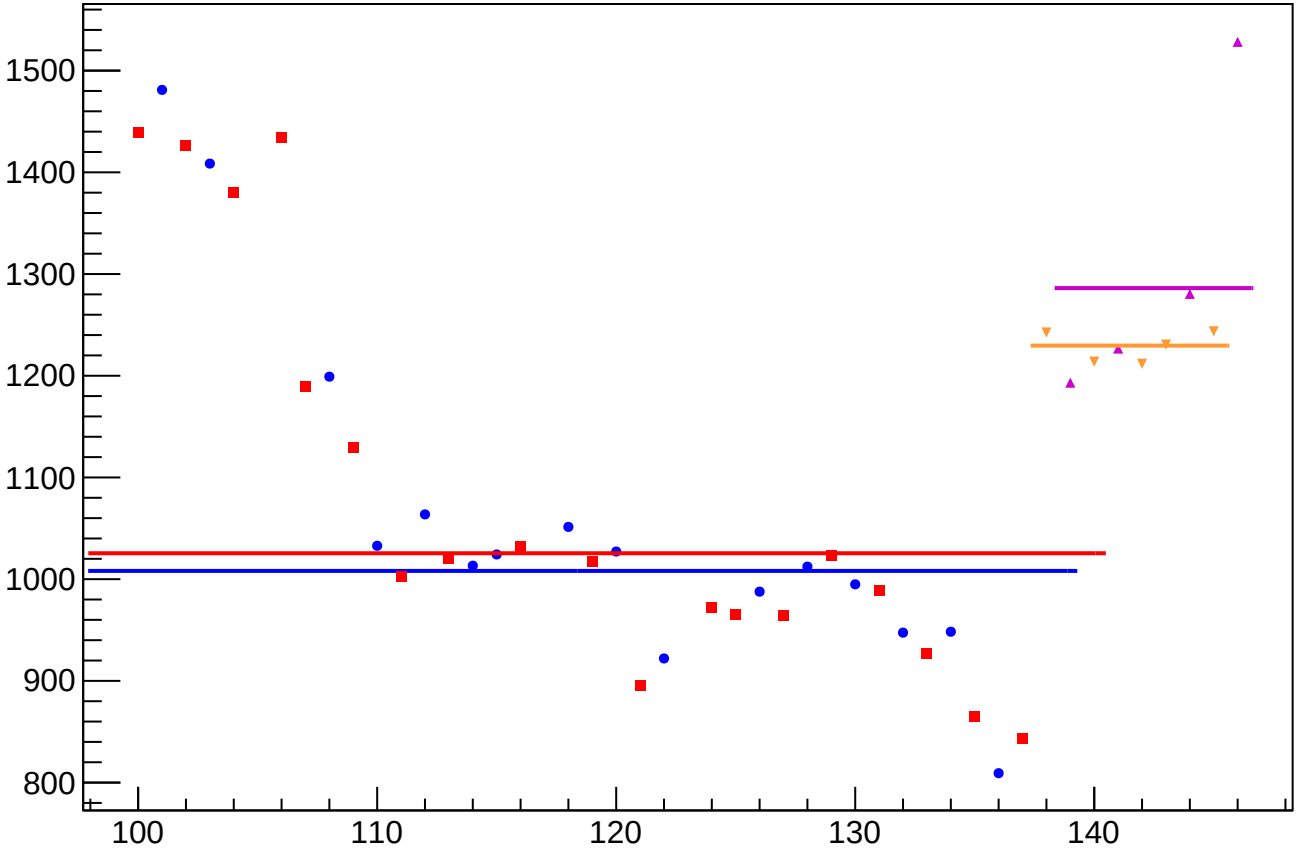
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: -0.668+/-0.332 χ^2/NDF:538.9/19

Out: -1.201+/-0.326 χ^2/NDF:141.9/23

All: -0.940+/-0.233 χ^2/NDF: 682.1/43

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1229.639+/-0.453 χ^2/NDF:852.5/4

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1286.179+/-0.486 χ^2/NDF:59592.2/3

Left: 1255.896+/-0.332 χ^2/NDF: 67680.2/8

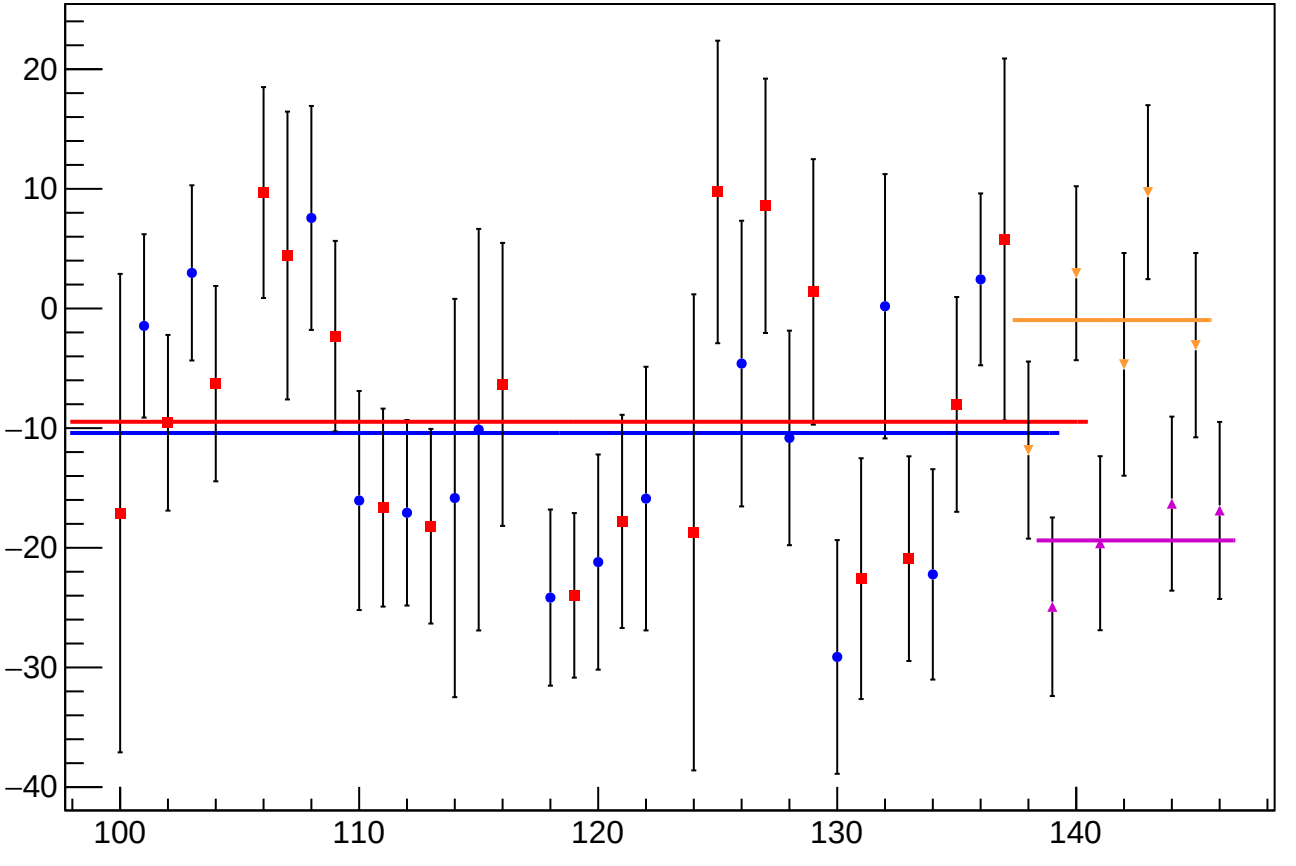
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1073.053+/-0.235 χ^2/NDF:688858.4/19

Out: 1078.347+/-0.230 χ^2/NDF:497375.0/23

All: 1075.752+/-0.165 χ^2/NDF: 1186492.0/43

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.968+/-3.440 χ^2/NDF:4.8/4

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -19.384+/-3.675 χ^2/NDF:0.8/3

Left: -9.570+/-2.512 χ^2/NDF: 19.1/8

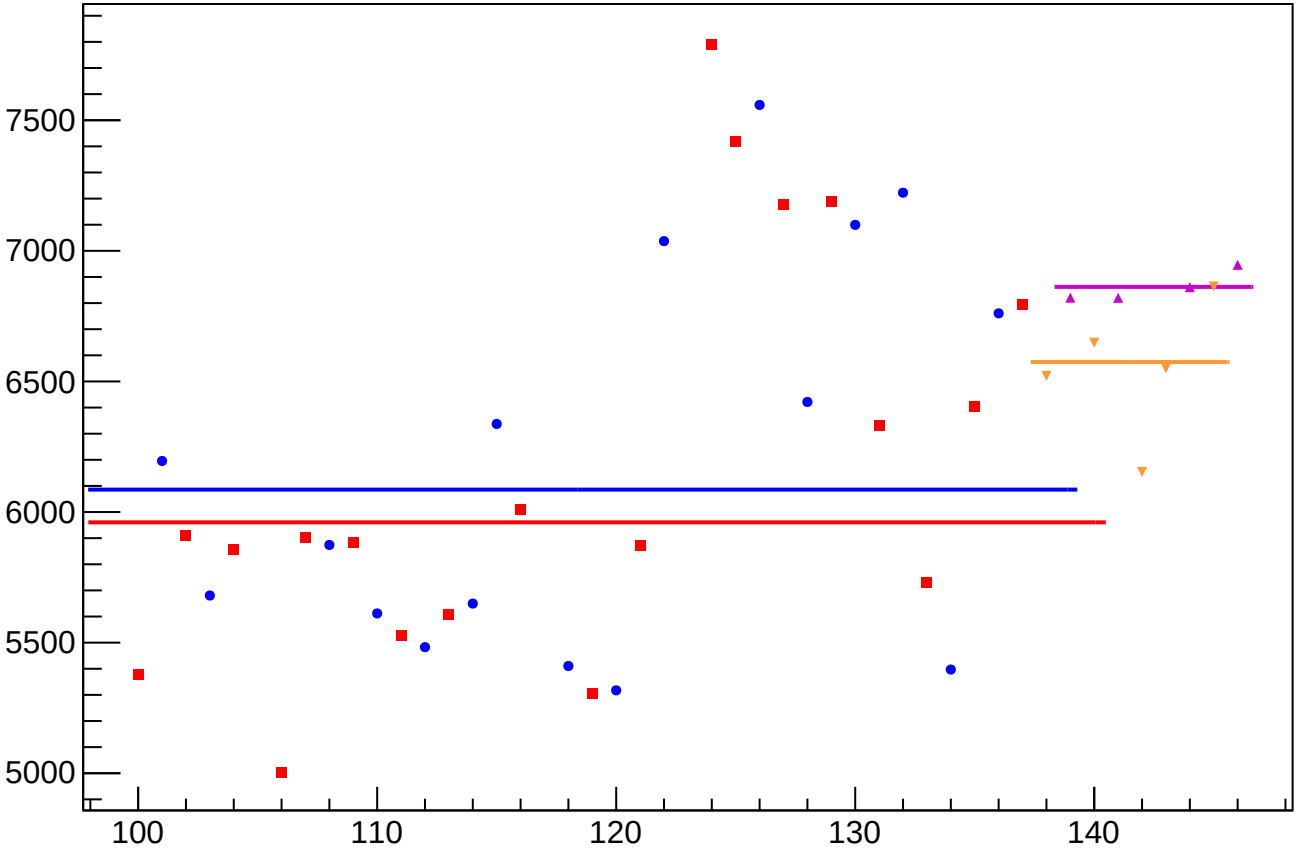
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.900+/-1.937 χ^2/NDF:29.8/19

Out: -7.015+/-1.848 χ^2/NDF:34.5/23

All: -9.818+/-1.337 χ^2/NDF: 69.2/43

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6574.292+/-2.433 χ^2/NDF:7237.8/4

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6862.020+/-2.599 χ^2/NDF:389.1/3

Left: 6708.687+/-1.776 χ^2/NDF: 14160.6/8

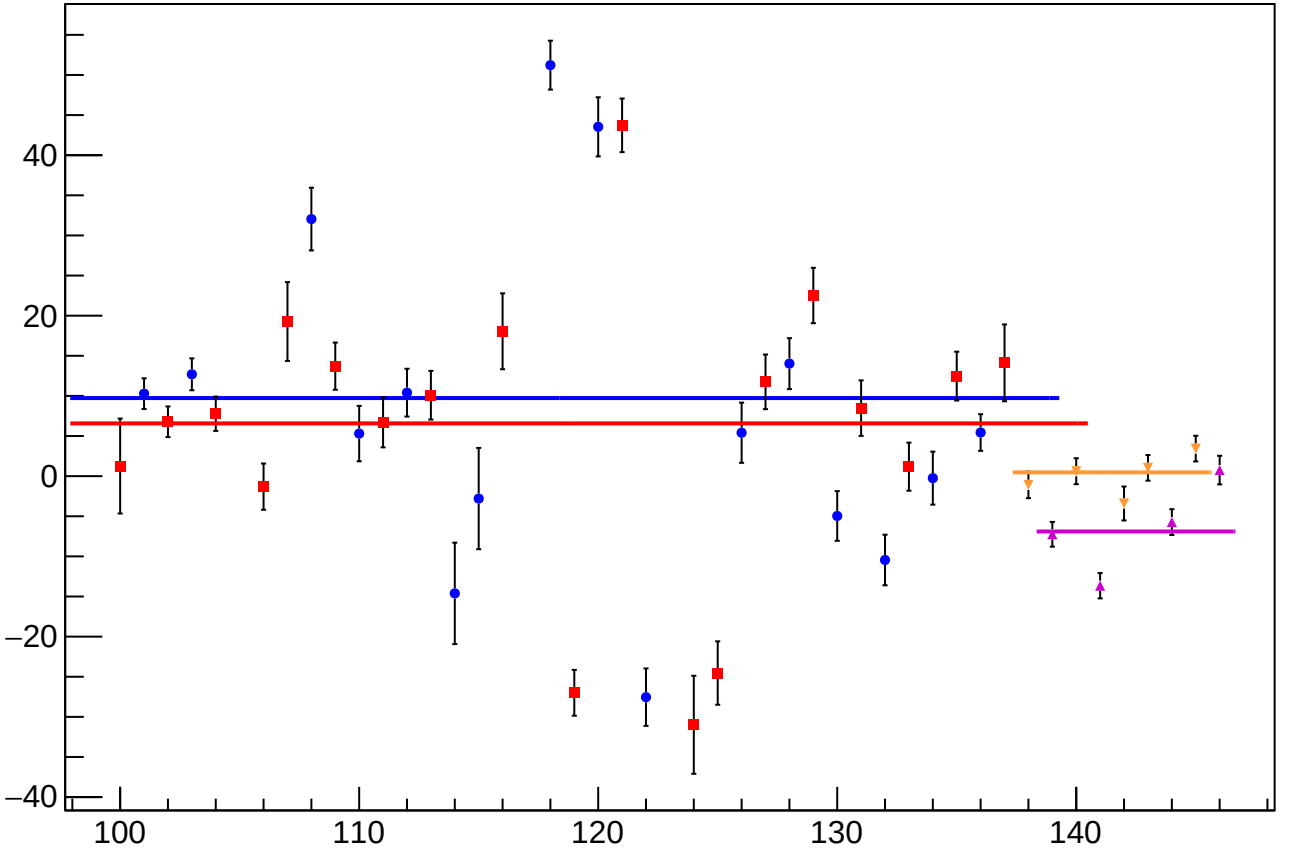
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6301.599+/-1.370 χ^2/NDF:243925.0/19

Out: 6137.671+/-1.307 χ^2/NDF:215283.5/23

All: 6215.765+/-0.946 χ^2/NDF: 466705.7/43

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 0.473+/-0.755 χ^2/NDF:7.8/4

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -6.897+/-0.810 χ^2/NDF:37.3/3

Left: -2.952+/-0.552 χ^2/NDF: 89.4/8

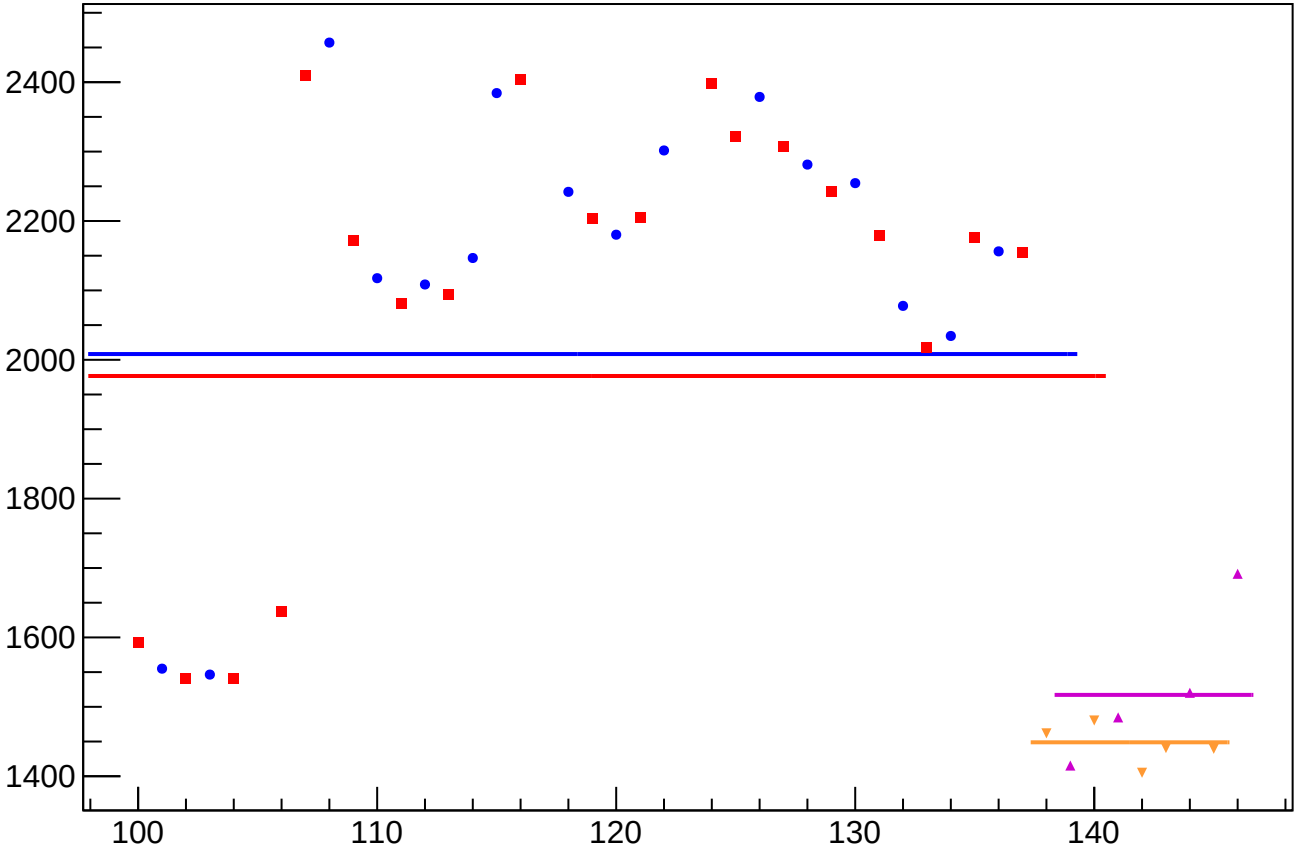
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: 2.005+/-0.552 χ^2/NDF:775.2/19

Out: 3.626+/-0.525 χ^2/NDF:465.3/23

All: 2.856+/-0.380 χ^2/NDF: 1245.0/43

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1448.871+/-0.534 χ^2/NDF:1861.6/4

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1517.196+/-0.573 χ^2/NDF:28719.1/3

Left: 1480.623+/-0.391 χ^2/NDF: 38193.7/8

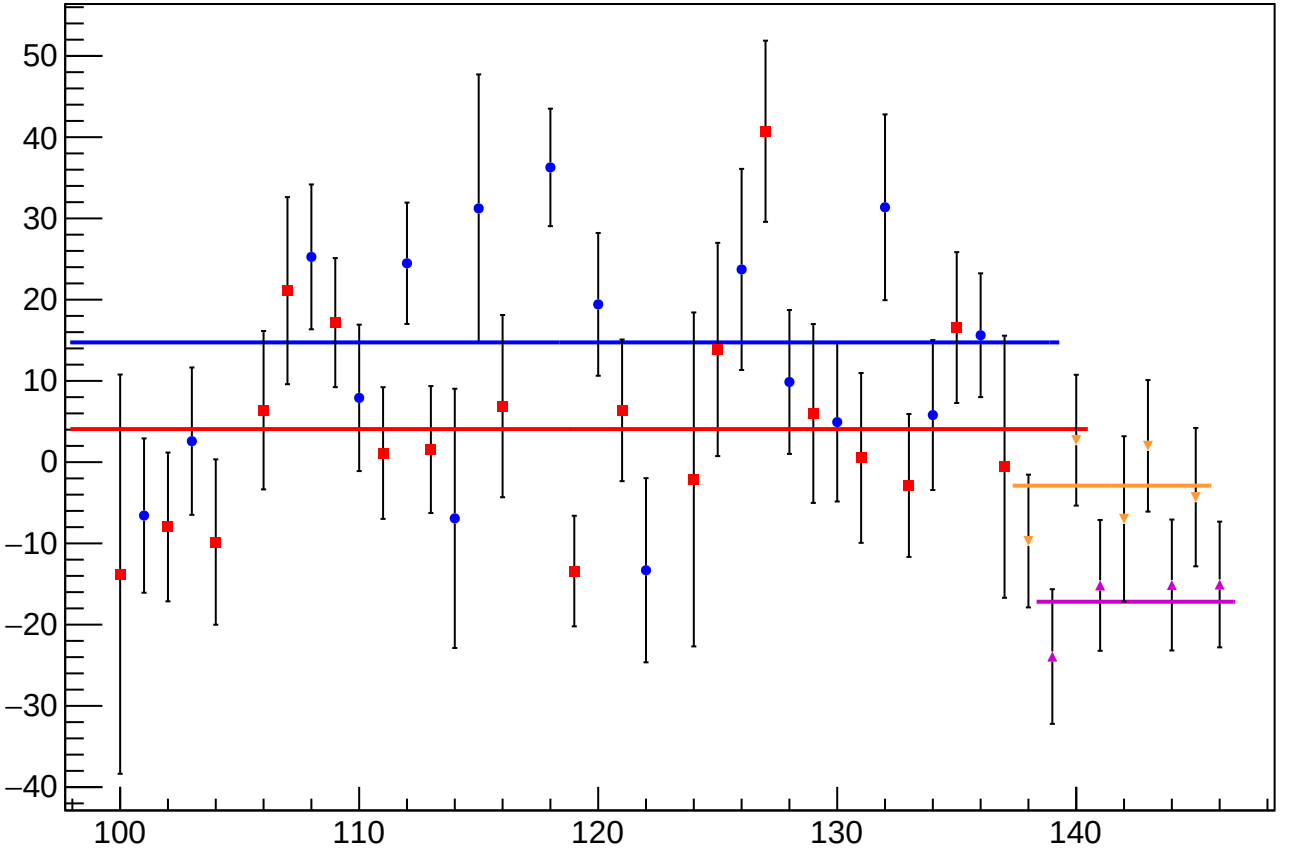
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1780.075+/-0.391 χ^2/NDF:766428.9/19

Out: 1721.521+/-0.371 χ^2/NDF:872215.8/23

All: 1749.308+/-0.269 χ^2/NDF: 1650455.3/43

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -2.893+/-3.804 χ^2/NDF:1.7/4

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -17.182+/-4.013 χ^2/NDF:0.9/3

Left: -9.655+/-2.761 χ^2/NDF: 9.3/8

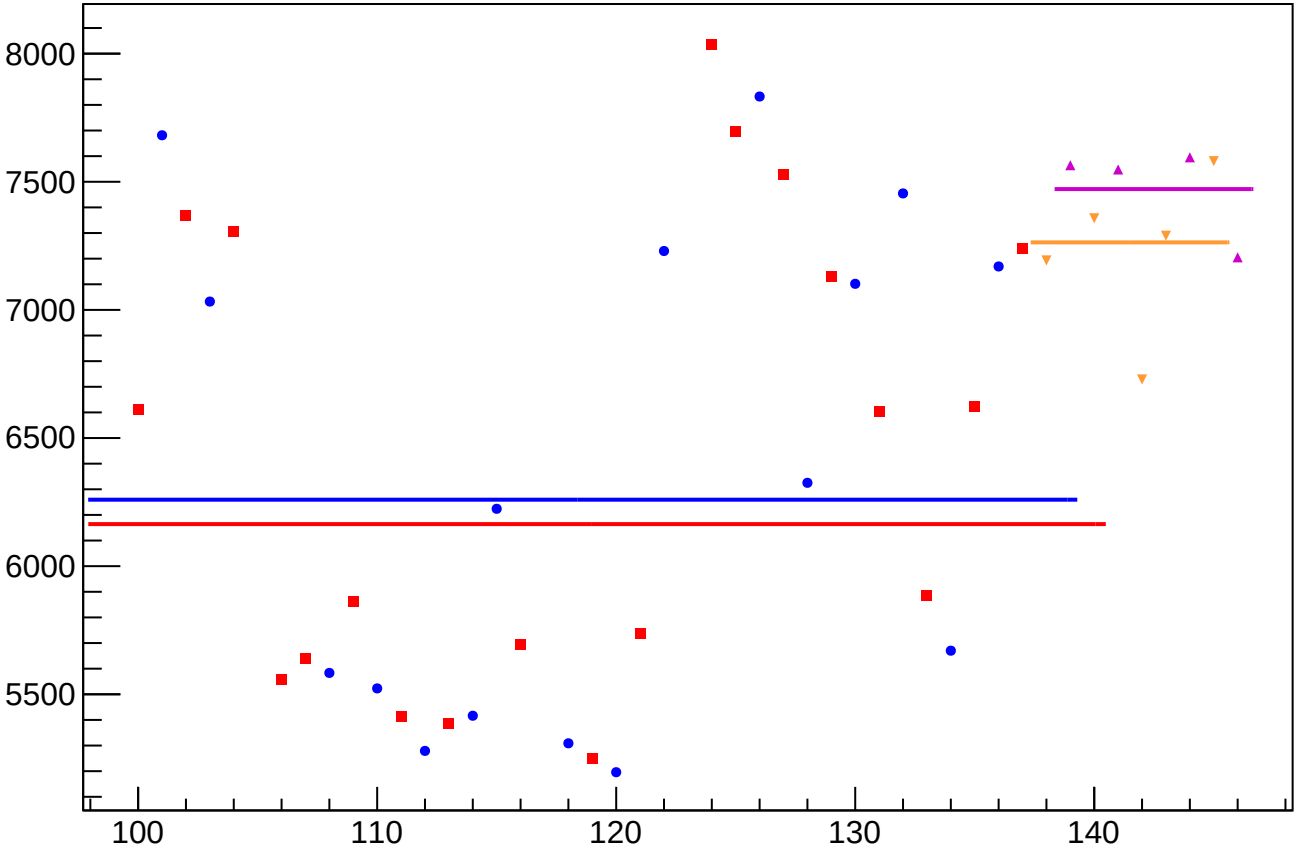
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 6.550+/-2.033 χ^2/NDF:81.4/19

Out: 2.238+/-1.952 χ^2/NDF:34.4/23

All: 4.306+/-1.408 χ^2/NDF: 118.1/43

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7263.525+/-2.690 χ^2/NDF:8736.8/4

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 7471.515+/-2.838 χ^2/NDF:3275.3/3

Left: 7361.948+/-1.952 χ^2/NDF: 14841.8/8

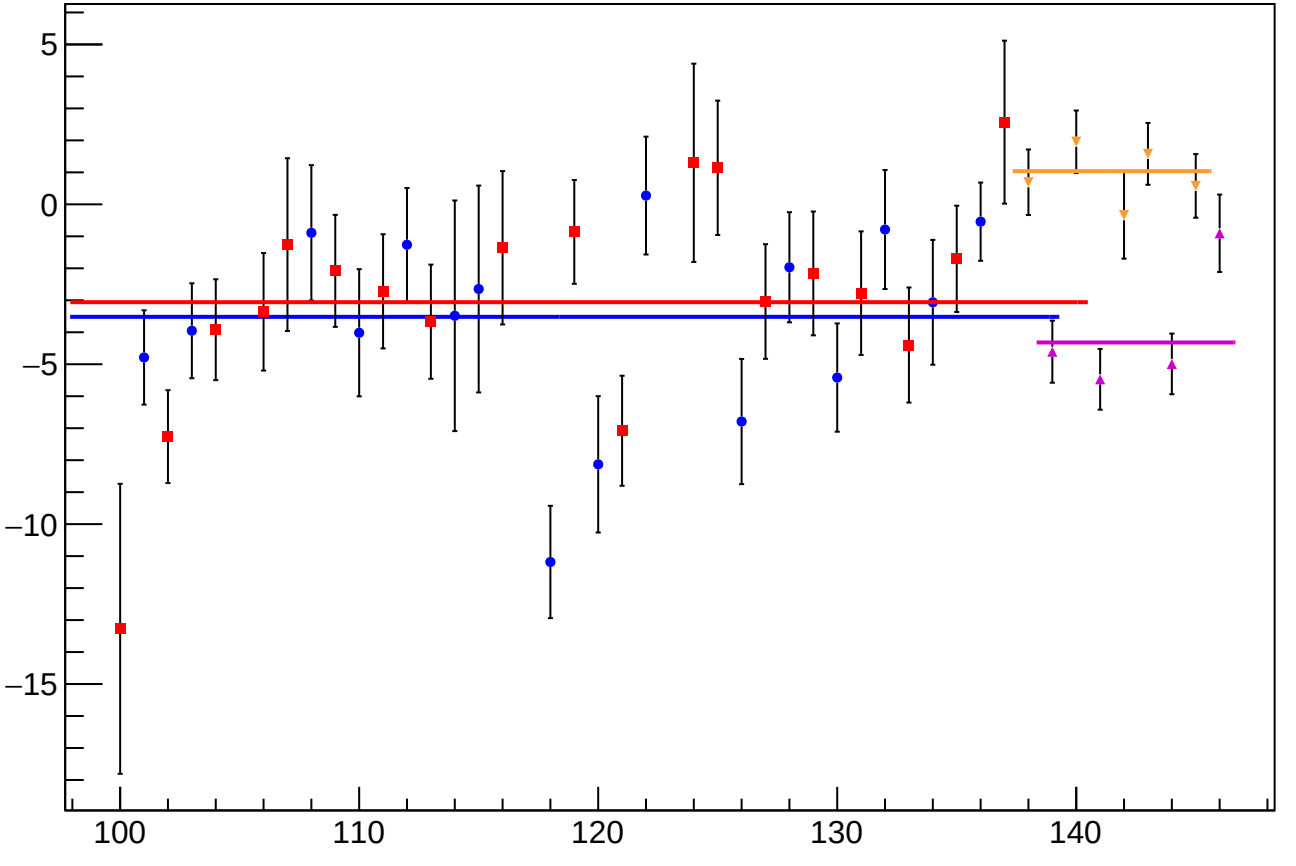
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6570.390+/-1.437 χ^2/NDF:447507.8/19

Out: 6453.558+/-1.380 χ^2/NDF:396884.2/23

All: 6509.595+/-0.995 χ^2/NDF: 847829.8/43

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.039+/-0.465 χ^2/NDF:2.6/4

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -4.319+/-0.502 χ^2/NDF:10.0/3

Left: -1.435+/-0.341 χ^2/NDF: 73.8/8

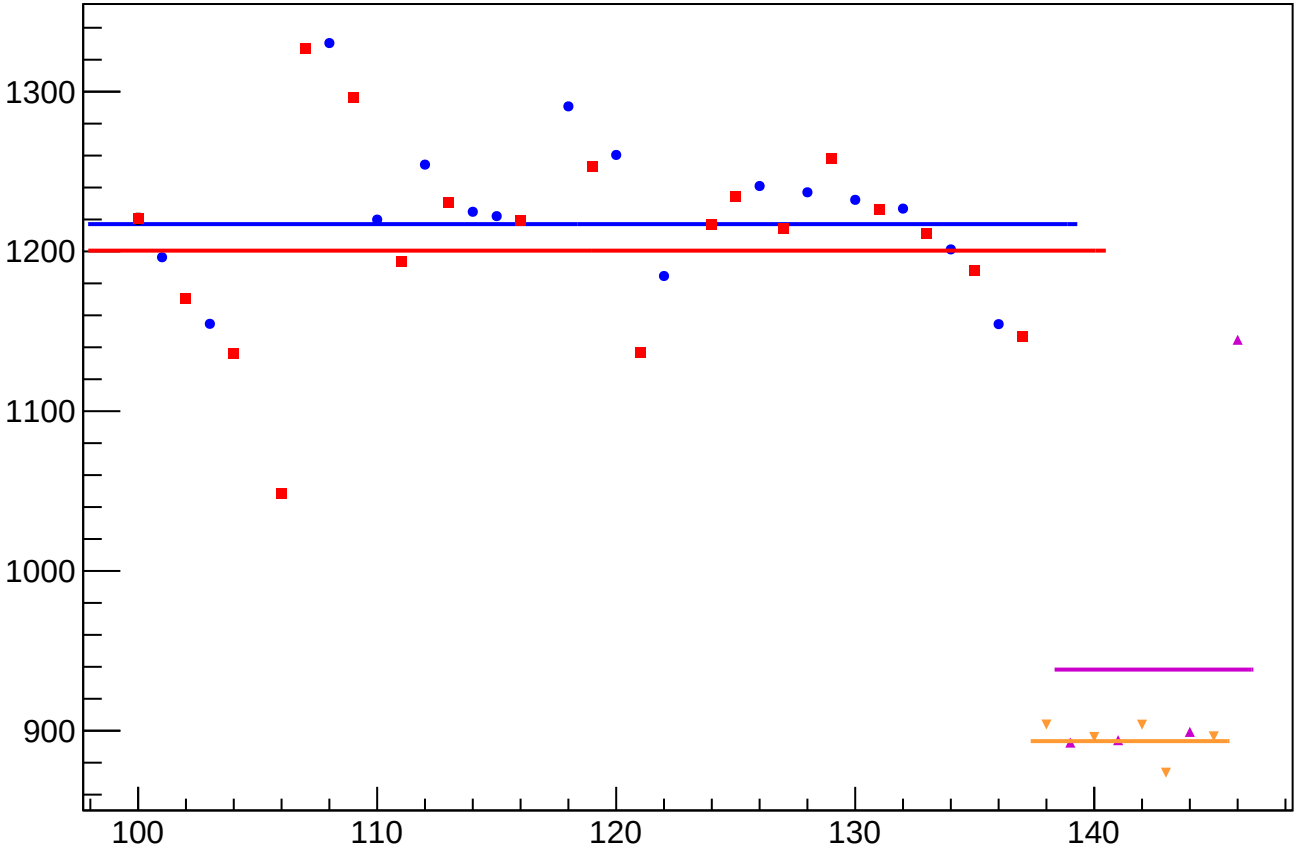
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.877+/-0.336 χ^2/NDF:56.5/19

Out: -1.132+/-0.319 χ^2/NDF:78.5/23

All: -2.433+/-0.231 χ^2/NDF: 170.0/43

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 893.490+/-0.329 χ^2/NDF:1185.9/4

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 938.267+/-0.355 χ^2/NDF:70278.8/3

Left: 914.168+/-0.241 χ^2/NDF: 80019.8/8

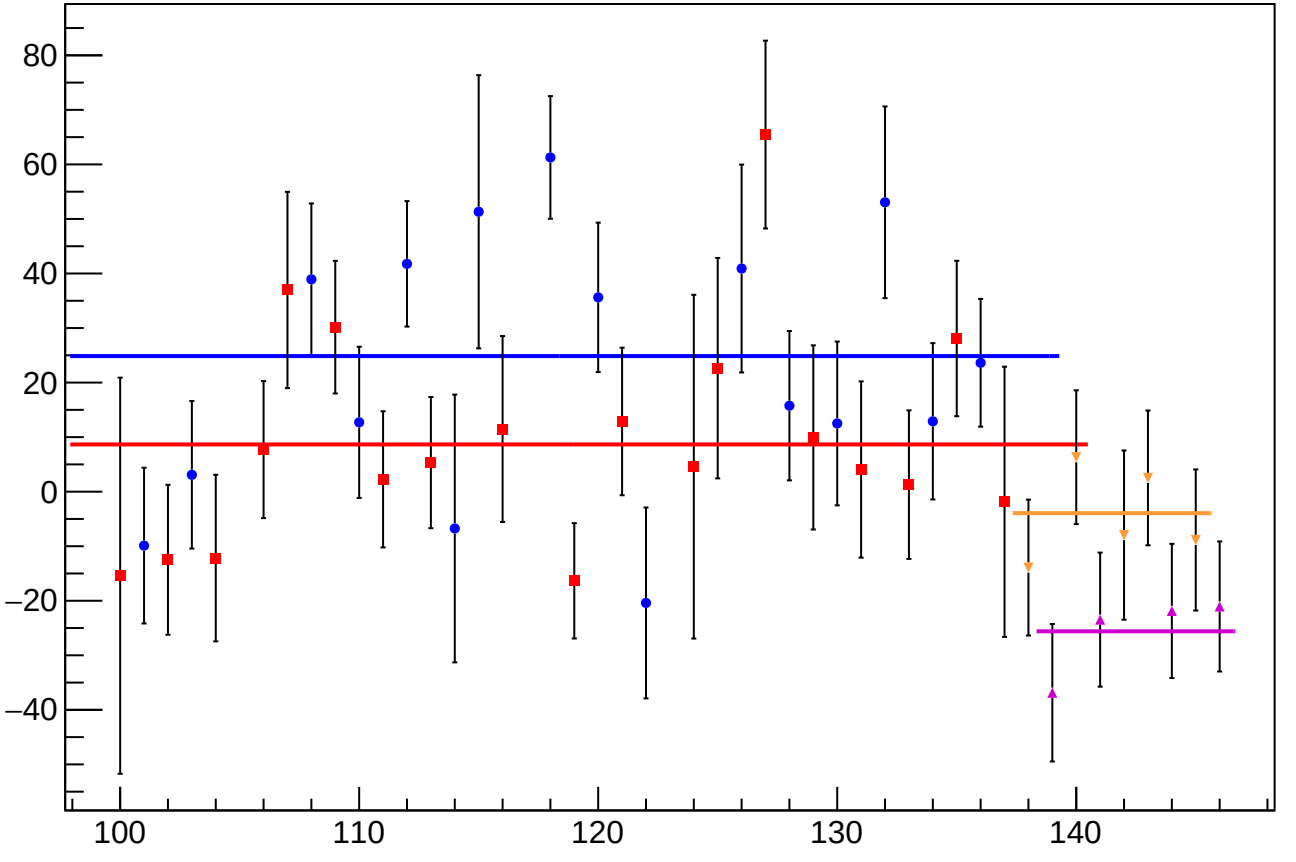
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1092.197+/-0.238 χ^2/NDF:432257.0/19

Out: 1056.126+/-0.226 χ^2/NDF:500189.8/23

All: 1073.221+/-0.164 χ^2/NDF: 944562.8/43

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -3.936+/-5.796 χ^2/NDF:1.8/4

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -25.600+/-6.137 χ^2/NDF:1.1/3

Left: -14.150+/-4.214 χ^2/NDF: 9.5/8

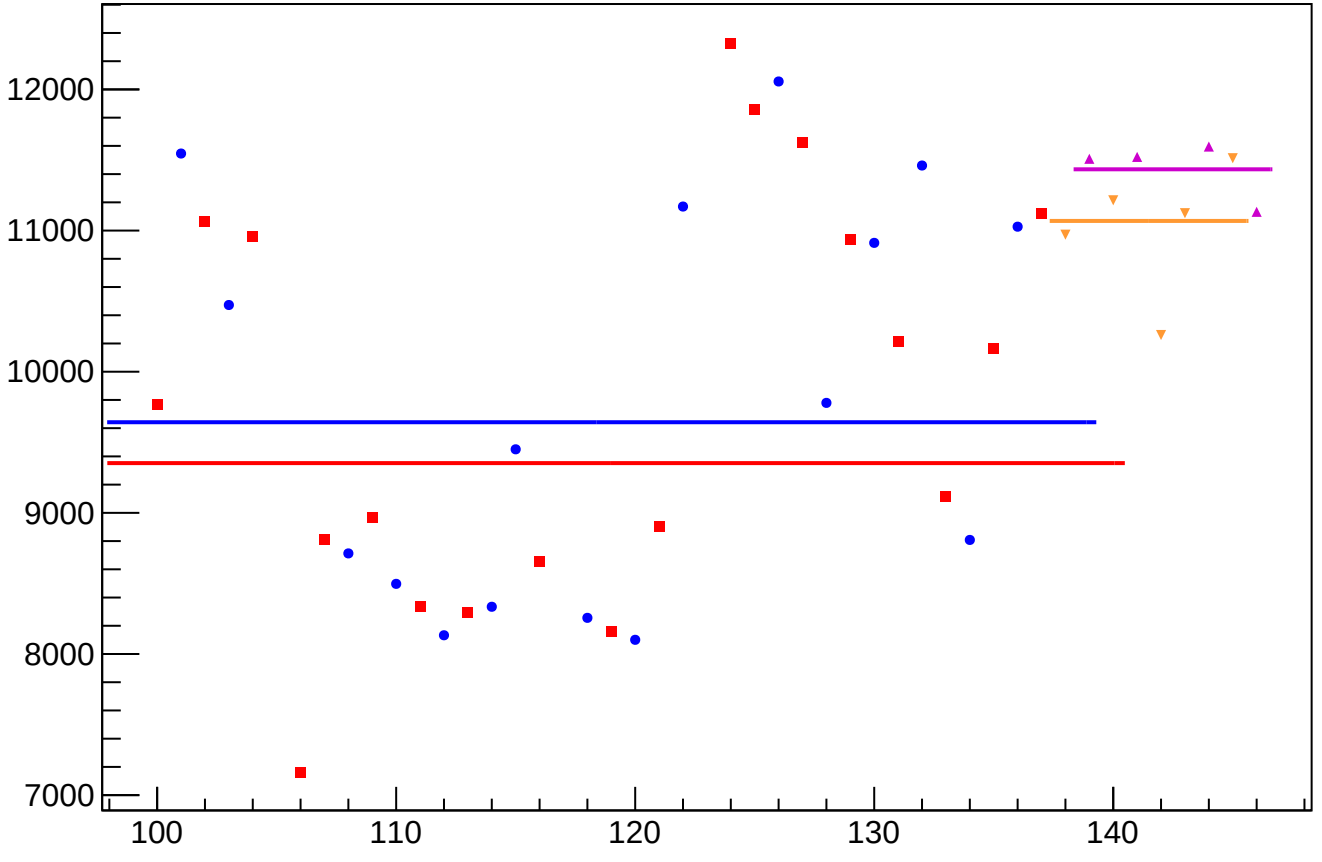
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 11.792+/-3.123 χ^2/NDF:89.3/19

Out: 5.358+/-2.967 χ^2/NDF:35.4/23

All: 8.410+/-2.151 χ^2/NDF: 127.0/43

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 11068.320+/-4.098 χ^2/NDF:8232.5/4

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 11434.069+/-4.339 χ^2/NDF:1791.3/3

Left: 11240.762+/-2.980 χ^2/NDF: 13778.6/8

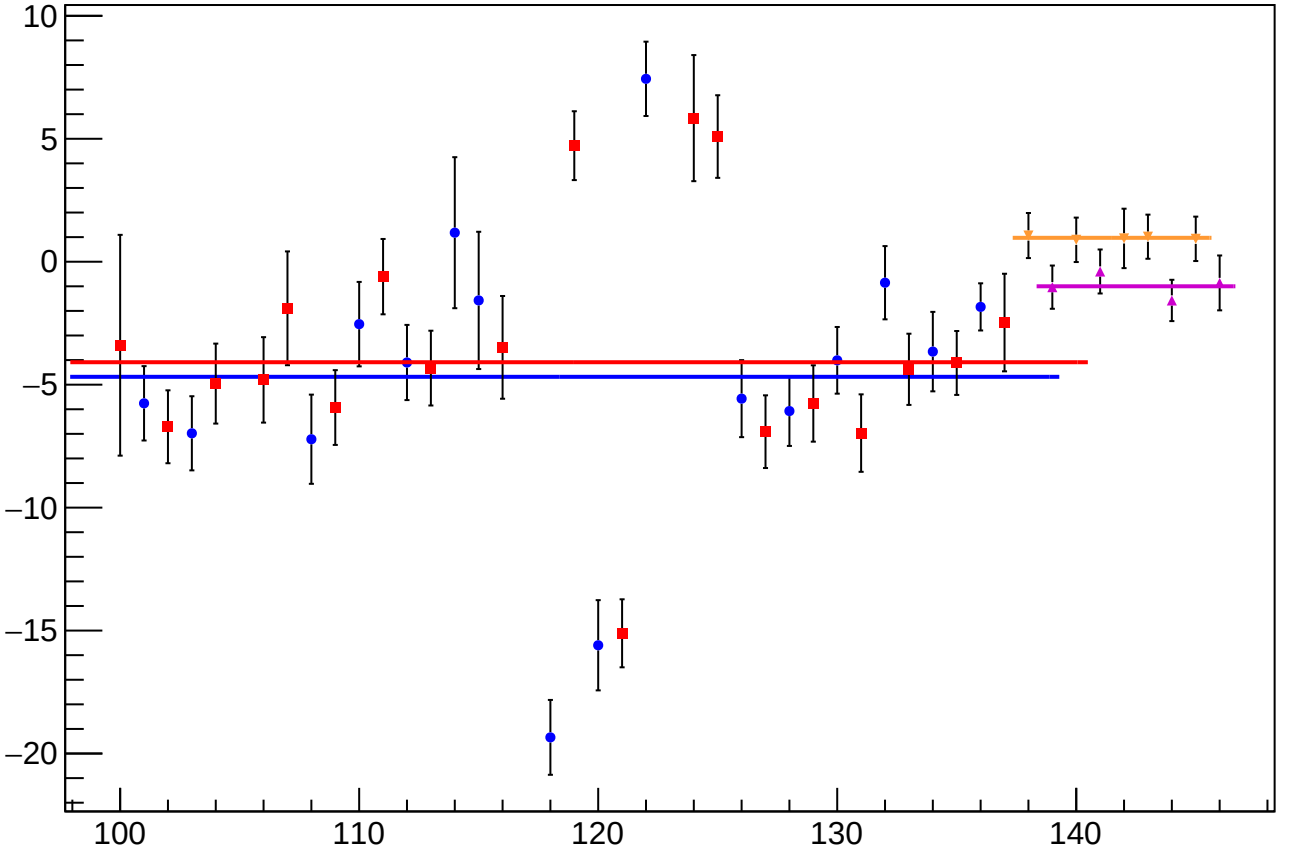
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 10106.177+/-2.208 χ^2/NDF:407822.1/19

Out: 9802.089+/-2.098 χ^2/NDF:439355.4/23

All: 9946.343+/-1.521 χ^2/NDF: 857144.1/43

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.972+/-0.424 χ^2/NDF:0.0/4

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -0.999+/-0.458 χ^2/NDF:0.9/3

Left: 0.063+/-0.311 χ^2/NDF: 10.9/8

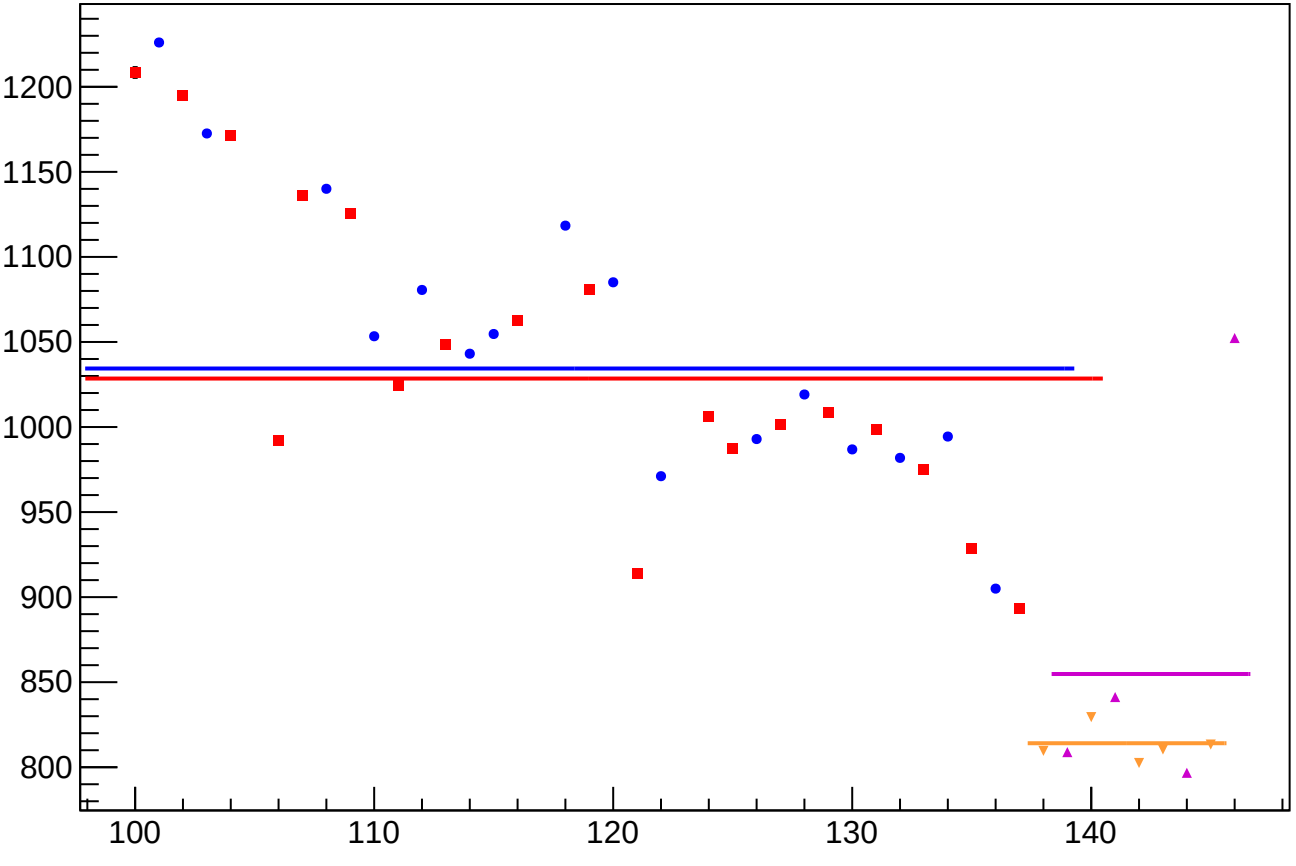
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -3.153+/-0.295 χ^2/NDF:259.9/19

Out: -1.856+/-0.281 χ^2/NDF:247.8/23

All: -2.474+/-0.204 χ^2/NDF: 517.8/43

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 814.109+/-0.300 χ^2/NDF:844.9/4

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 854.809+/-0.324 χ^2/NDF:78162.8/3

Left: 832.876+/-0.220 χ^2/NDF: 87515.1/8

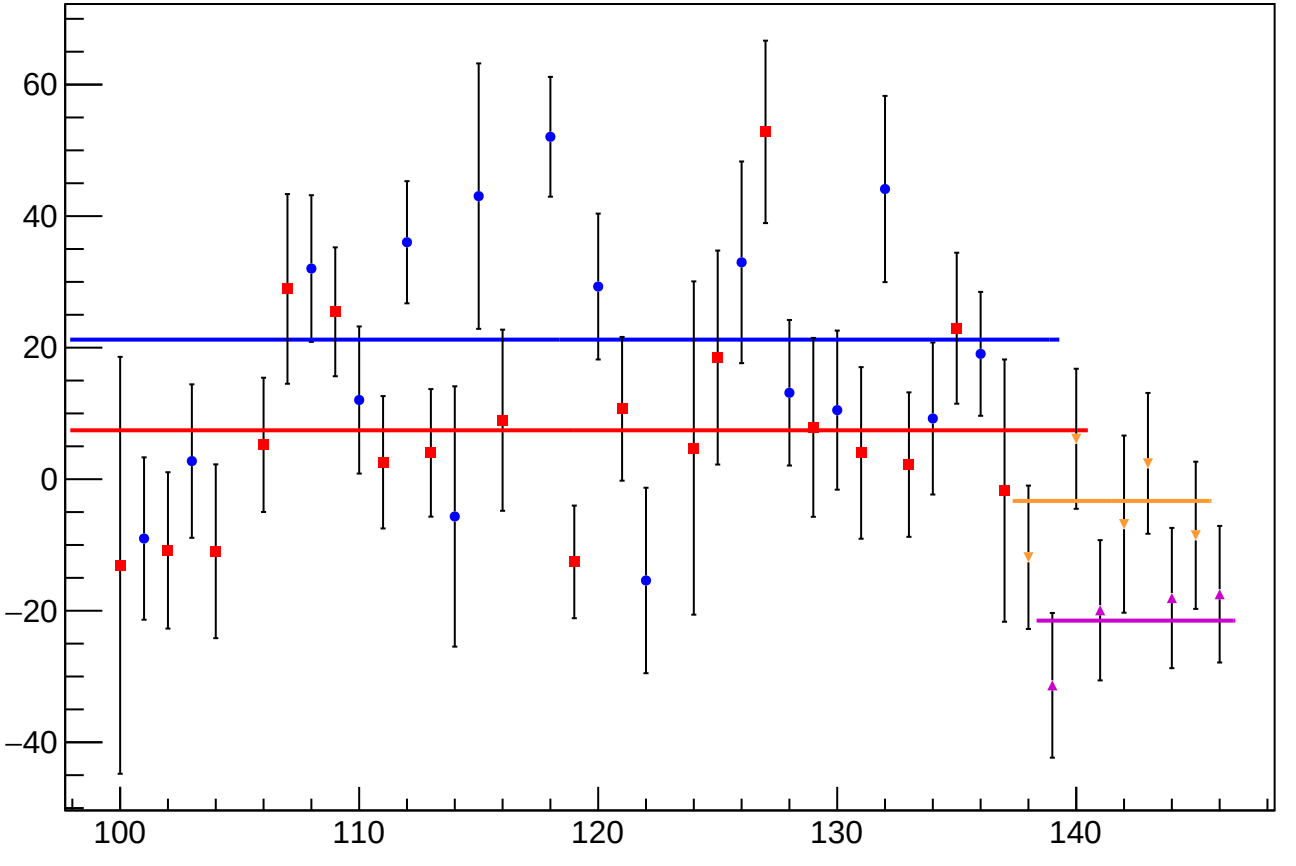
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 959.884+/-0.209 χ^2/NDF:371287.2/19

Out: 933.951+/-0.199 χ^2/NDF:388644.0/23

All: 946.302+/-0.144 χ^2/NDF: 768021.4/43

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -3.306+/-5.034 χ^2/NDF:2.0/4

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -21.503+/-5.336 χ^2/NDF:1.1/3

Left: -11.876+/-3.662 χ^2/NDF: 9.2/8

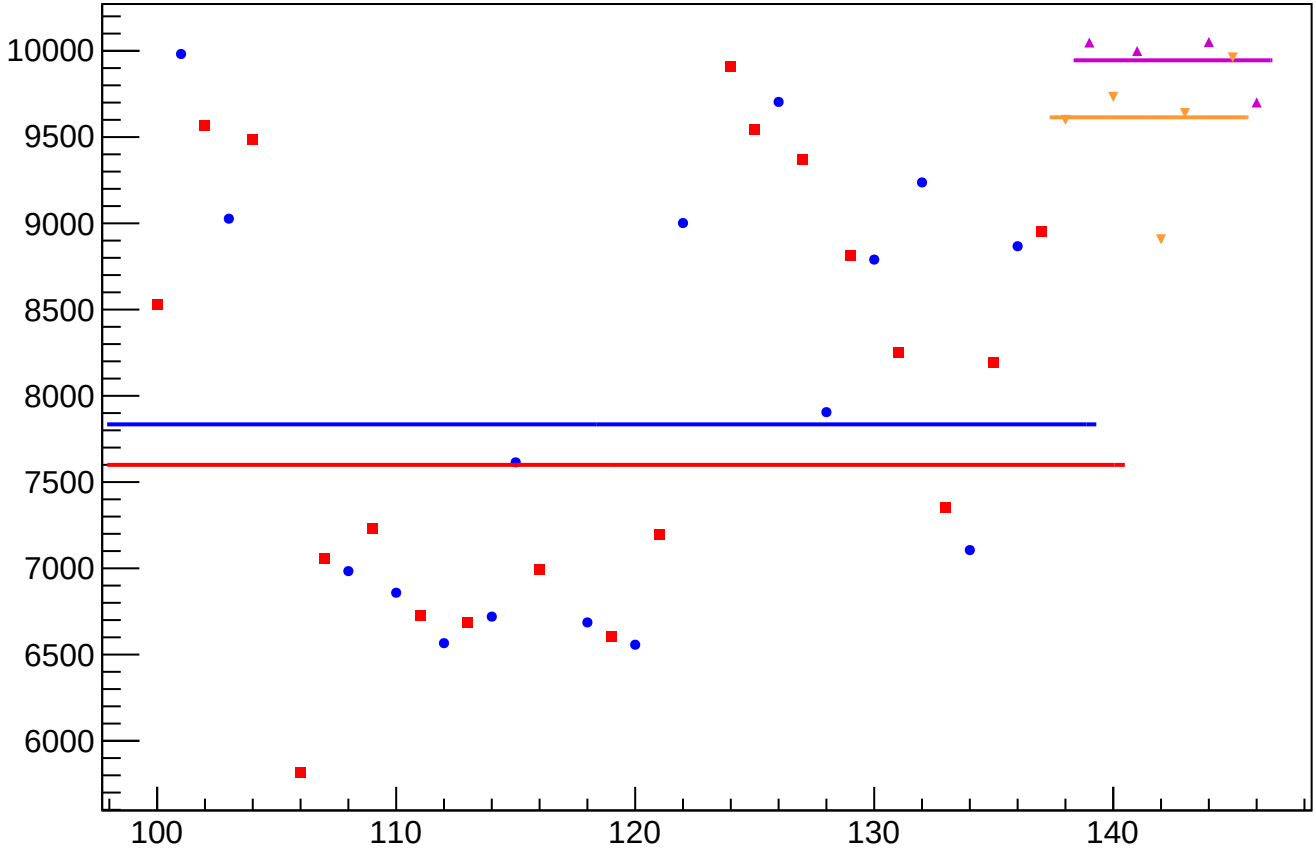
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 11.211+/-2.583 χ^2/NDF:90.2/19

Out: 4.883+/-2.454 χ^2/NDF:35.2/23

All: 7.885+/-1.779 χ^2/NDF: 128.6/43

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9614.646+/-3.560 χ^2/NDF:7700.2/4

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 9945.080+/-3.773 χ^2/NDF:1533.7/3

Left: 9770.262+/-2.589 χ^2/NDF: 13291.4/8

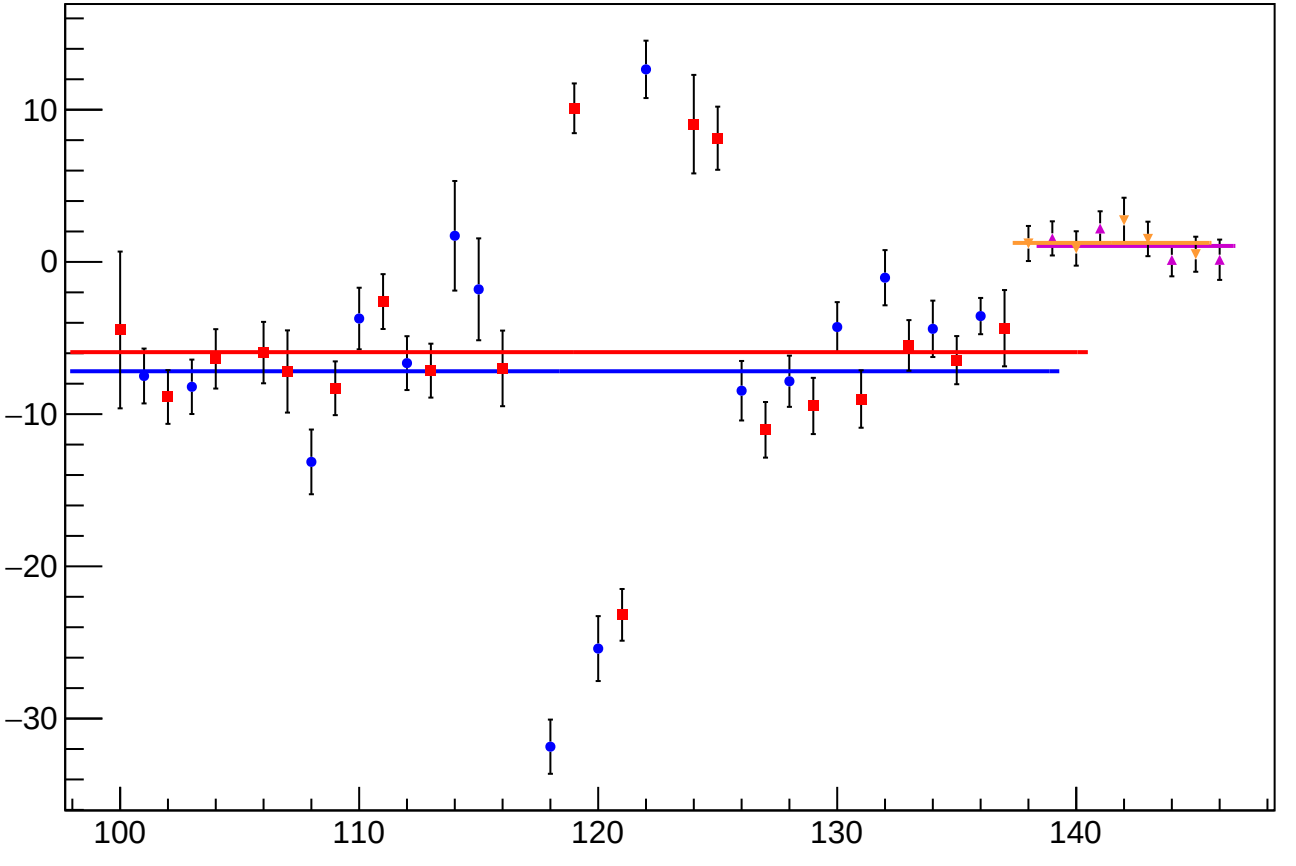
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8329.120+/-1.826 χ^2/NDF:559176.5/19

Out: 8078.434+/-1.735 χ^2/NDF:596242.6/23

All: 8197.358+/-1.258 χ^2/NDF: 1165321.1/43

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.249+/-0.533 χ^2/NDF:1.6/4

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.050+/-0.577 χ^2/NDF:2.4/3

Left: 1.158+/-0.391 χ^2/NDF: 4.1/8

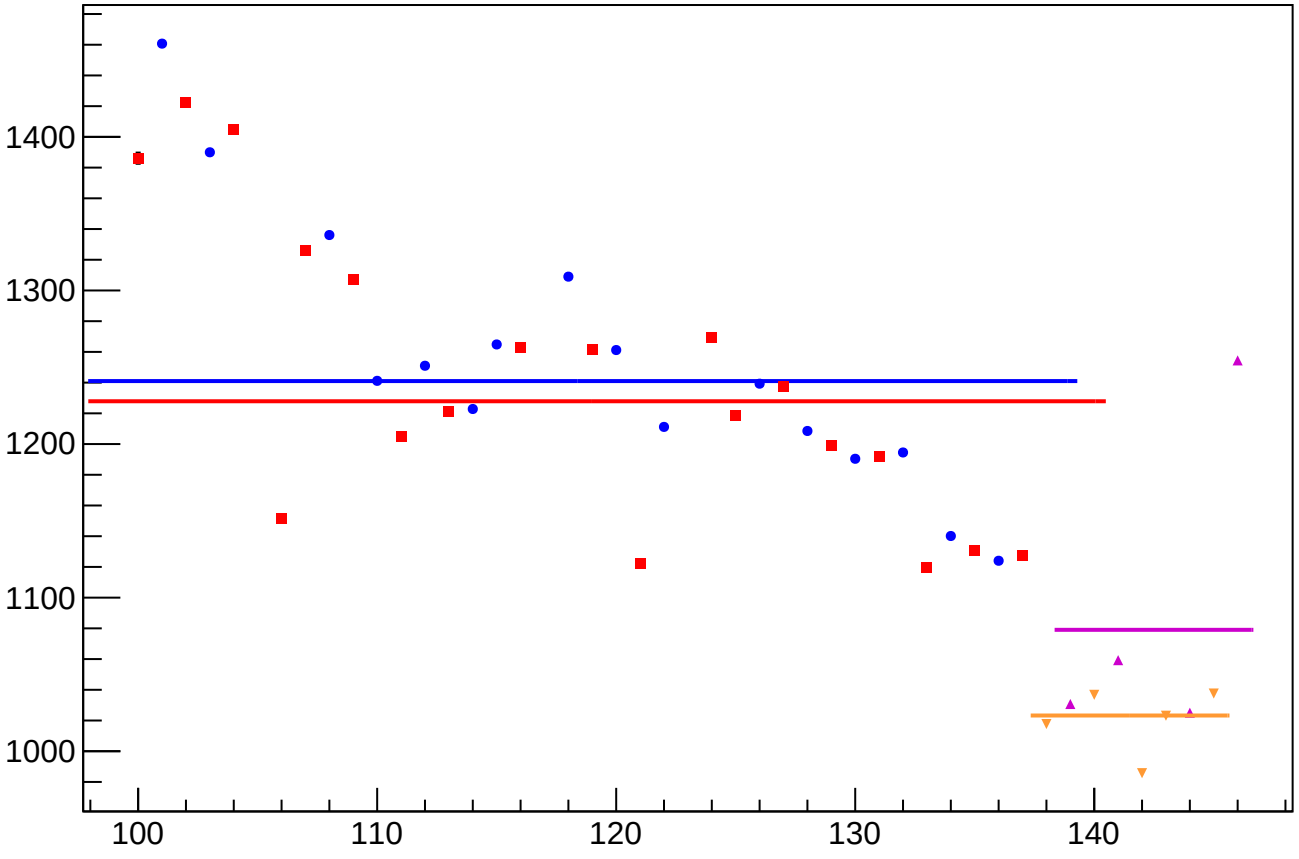
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -3.960+/-0.361 χ^2/NDF:548.8/19

Out: -2.946+/-0.343 χ^2/NDF:398.0/23

All: -3.428+/-0.249 χ^2/NDF: 950.9/43

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1023.260+/-0.377 χ^2/NDF:1918.6/4

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1079.045+/-0.408 χ^2/NDF:44417.1/3

Left: 1048.957+/-0.277 χ^2/NDF: 56434.7/8

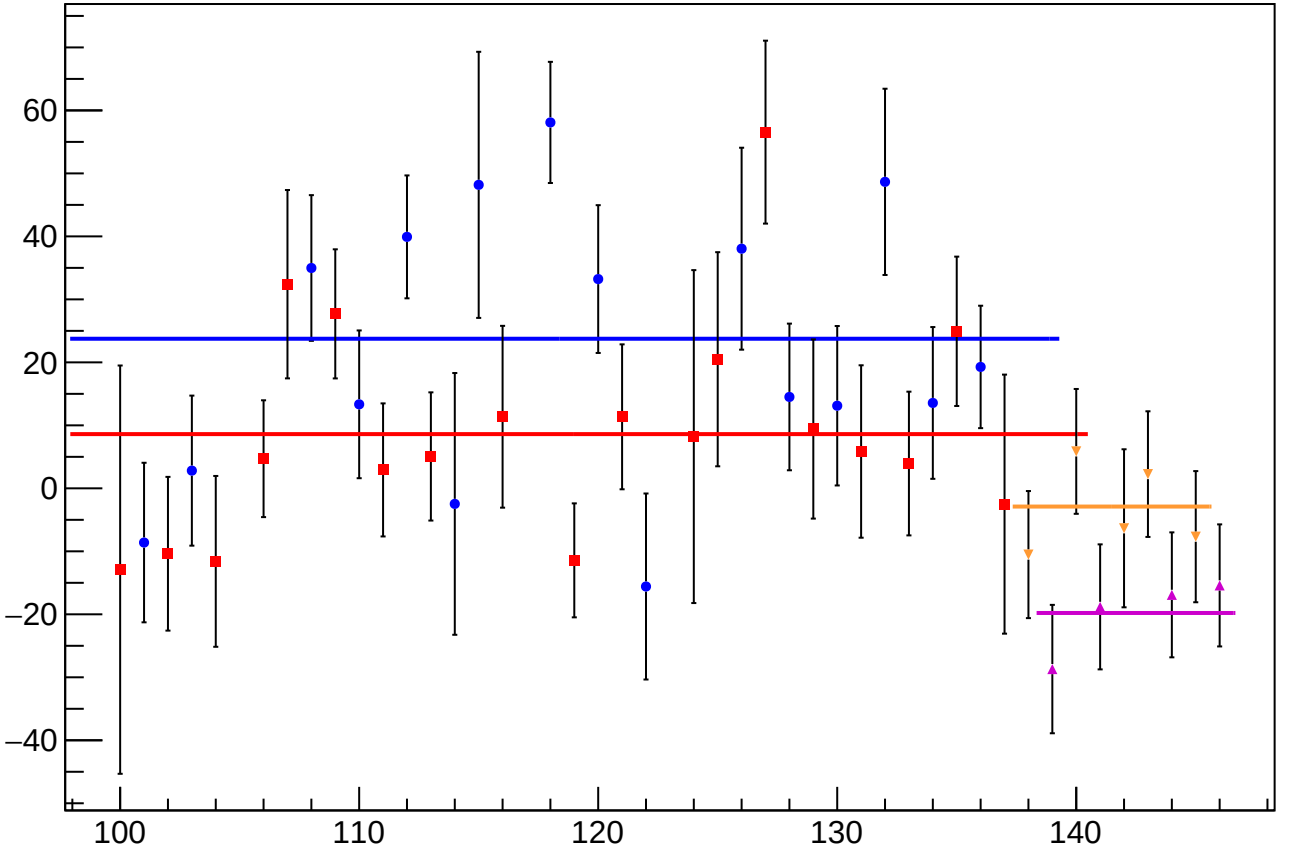
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1177.618+/-0.255 χ^2/NDF:221132.4/19

Out: 1142.867+/-0.243 χ^2/NDF:256661.7/23

All: 1159.391+/-0.176 χ^2/NDF: 487531.9/43

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -2.893+/-4.681 χ^2/NDF:1.9/4

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -19.789+/-4.963 χ^2/NDF:1.1/3

Left: -10.846+/-3.405 χ^2/NDF: 9.1/8

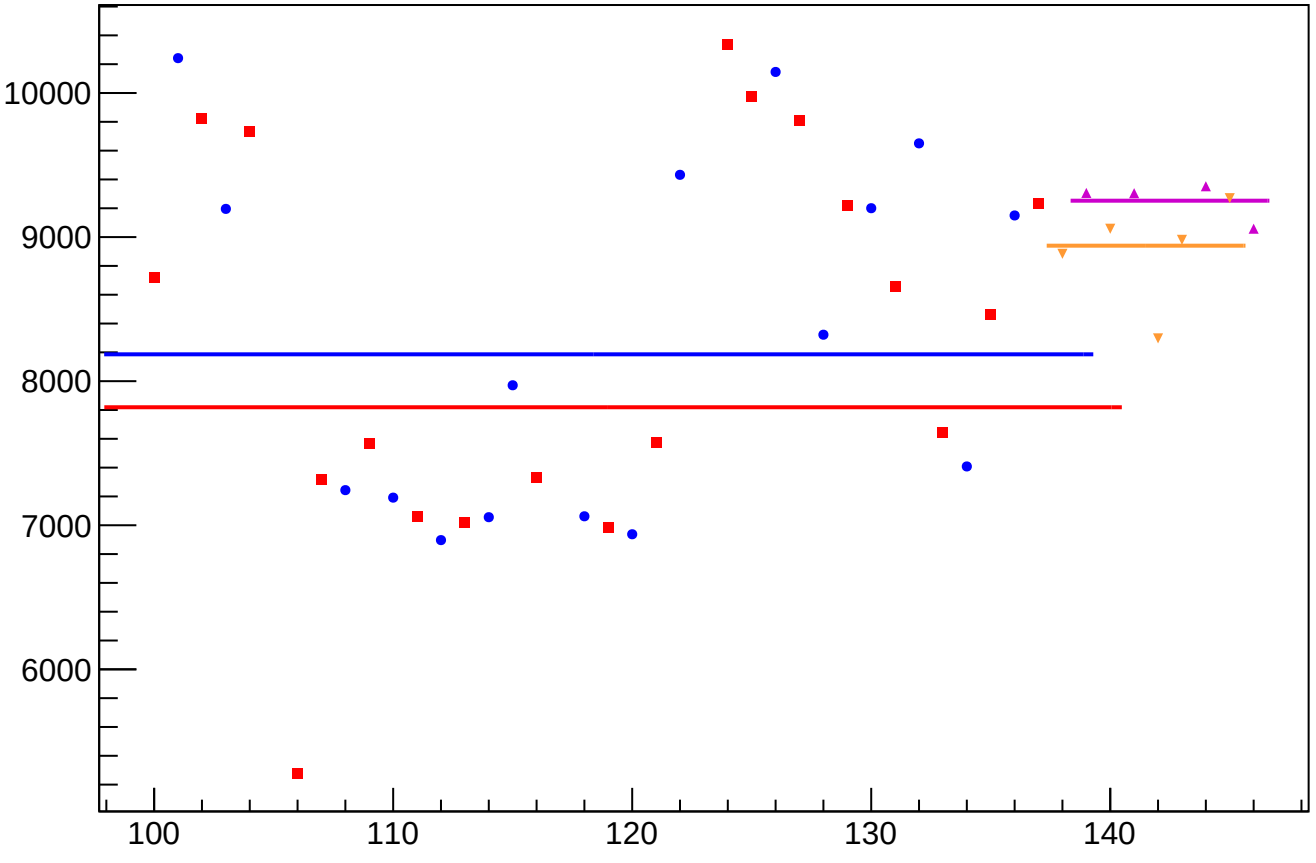
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 11.637+/-2.618 χ^2/NDF:100.0/19

Out: 5.420+/-2.465 χ^2/NDF:36.7/23

All: 8.341+/-1.794 χ^2/NDF: 139.7/43

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8940.382+/-3.310 χ^2/NDF:7641.9/4

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 9252.571+/-3.510 χ^2/NDF:1120.4/3

Left: 9087.341+/-2.408 χ^2/NDF: 12950.2/8

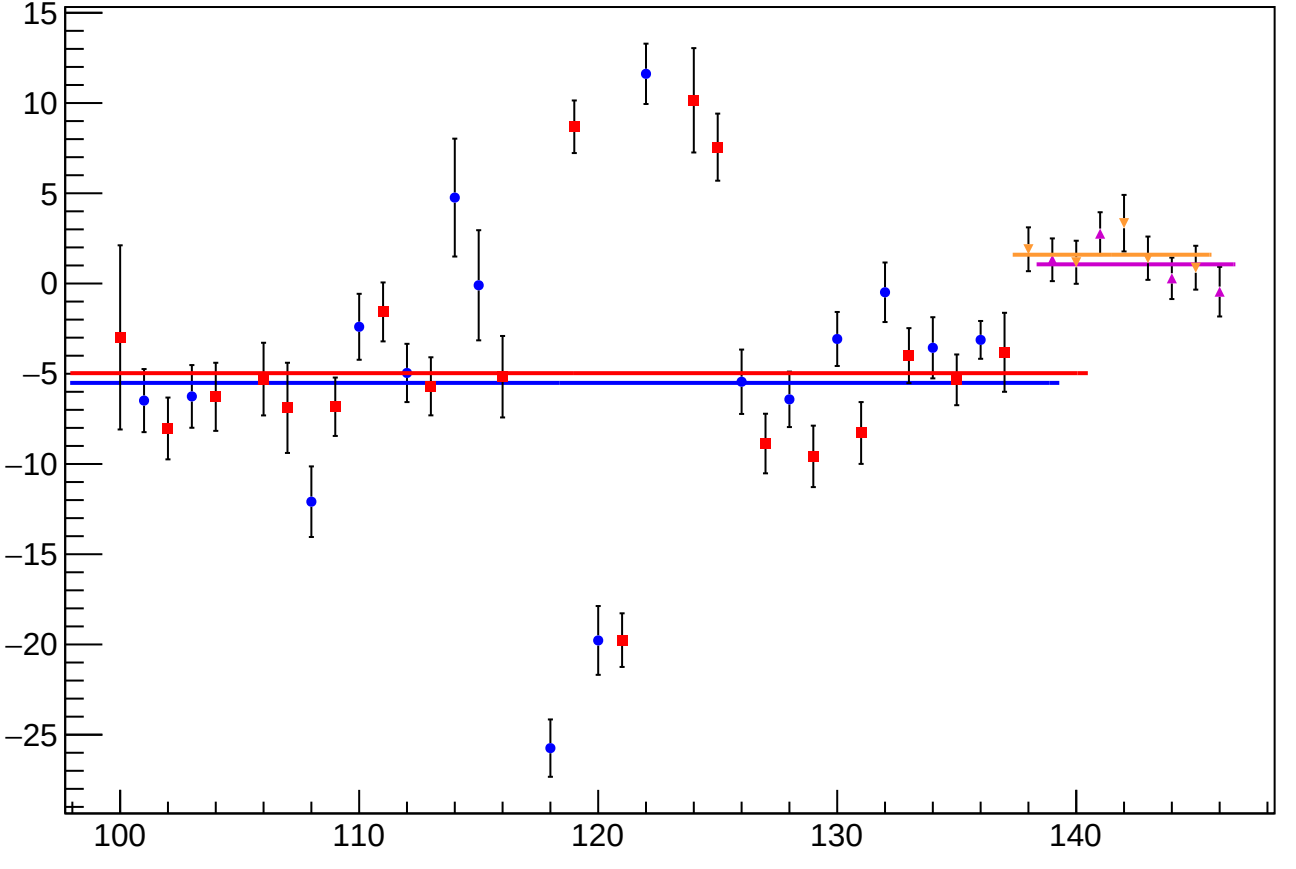
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8482.989+/-1.851 χ^2/NDF:358366.5/19

Out: 8129.861+/-1.743 χ^2/NDF:513608.8/23

All: 8295.783+/-1.269 χ^2/NDF: 891267.0/43

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.596+/-0.563 χ^2/NDF:1.8/4

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.063+/-0.607 χ^2/NDF:3.8/3

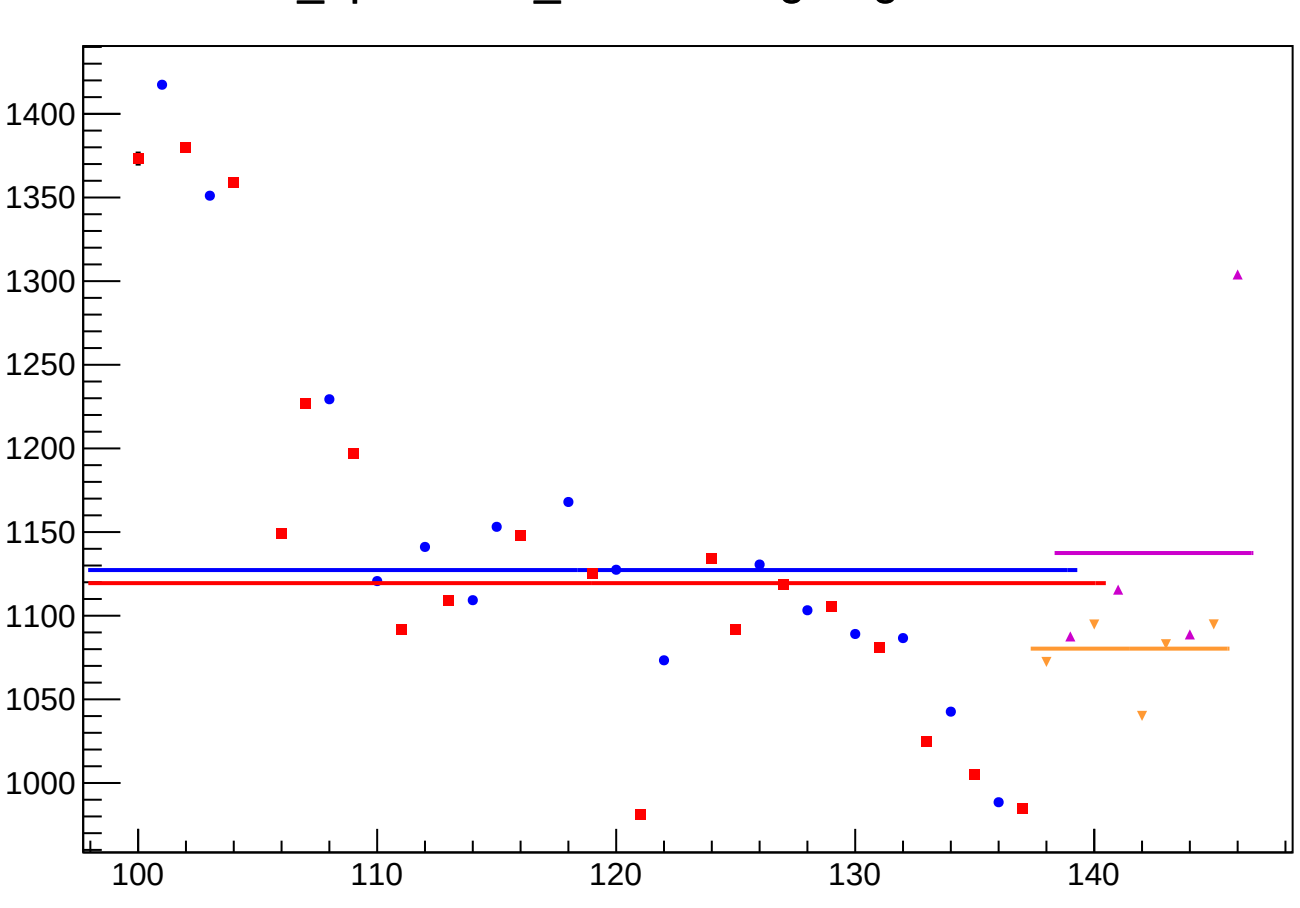
Left: 1.350+/-0.413 χ^2/NDF: 6.0/8

Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -3.375+/-0.346 χ^2/NDF:452.6/19

Out: -2.688+/-0.332 χ^2/NDF:378.0/23

All: -3.017+/-0.239 χ^2/NDF: 832.6/43



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1080.315+/-0.398 χ^2/NDF:1989.1/4

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1137.472+/-0.429 χ^2/NDF:37131.7/3

Left: 1106.707+/-0.292 χ^2/NDF: 48655.2/8

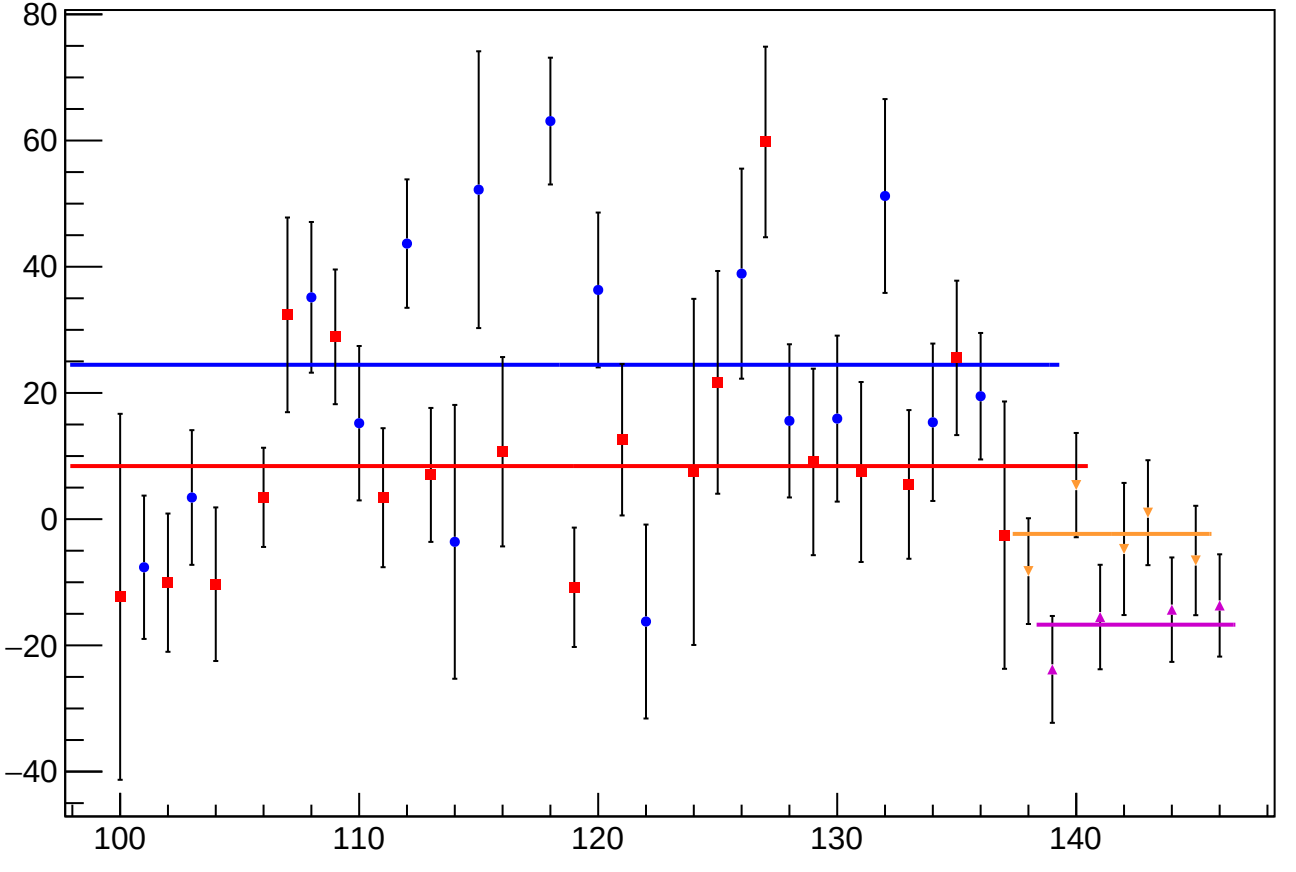
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1130.593+/-0.245 χ^2/NDF:178127.2/19

Out: 1105.873+/-0.234 χ^2/NDF:149050.7/23

All: 1117.707+/-0.169 χ^2/NDF: 332501.7/43

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -2.336+/-3.899 χ^2/NDF:1.8/4

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -16.723+/-4.139 χ^2/NDF:0.9/3

Left: -9.100+/-2.838 χ^2/NDF: 9.2/8

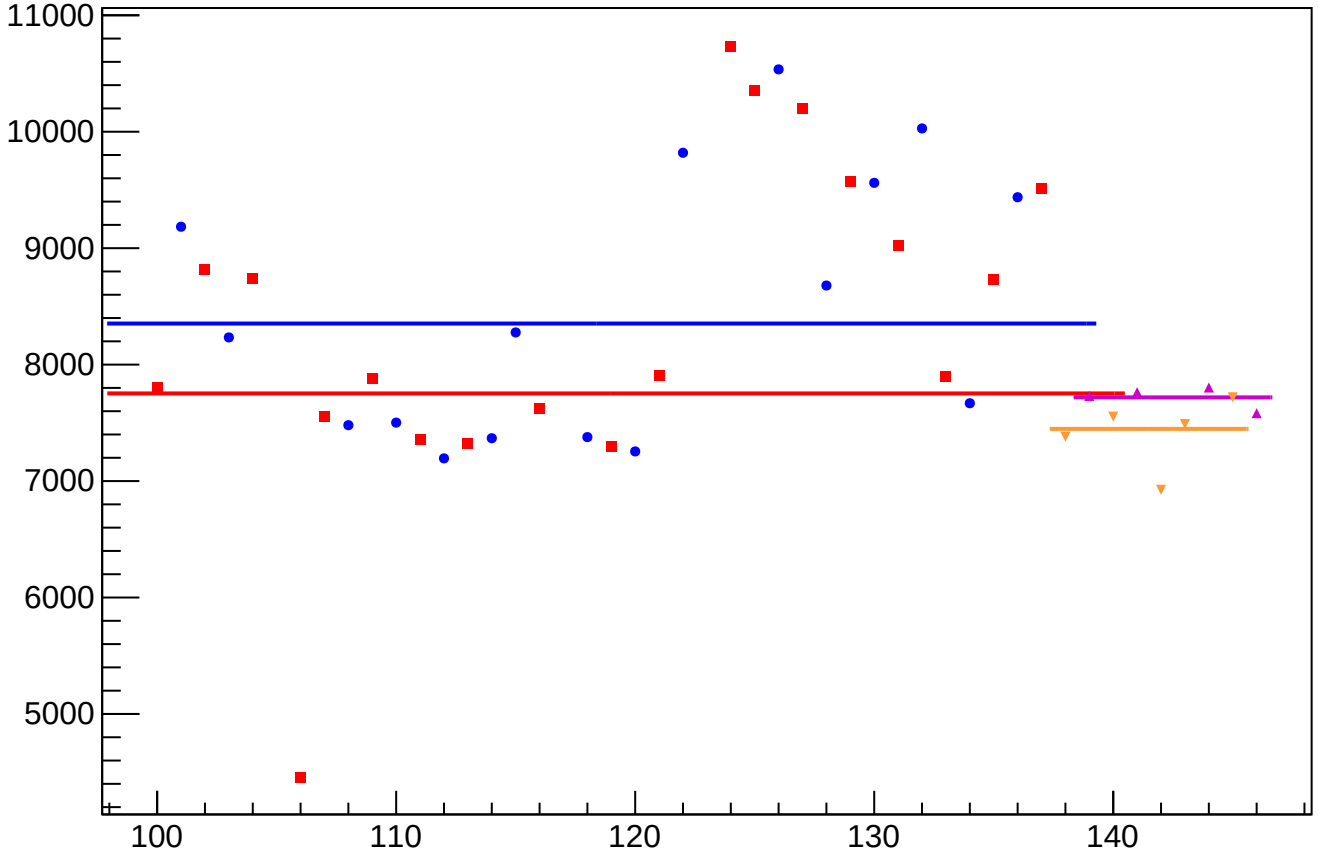
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 9.444+/-2.500 χ^2/NDF:112.2/19

Out: 4.600+/-2.322 χ^2/NDF:37.9/23

All: 6.844+/-1.701 χ^2/NDF: 152.0/43

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7448.216+/-2.757 χ^2/NDF:7456.0/4

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 7718.693+/-2.927 χ^2/NDF:833.2/3

Left: 7575.375+/-2.007 χ^2/NDF: 12813.7/8

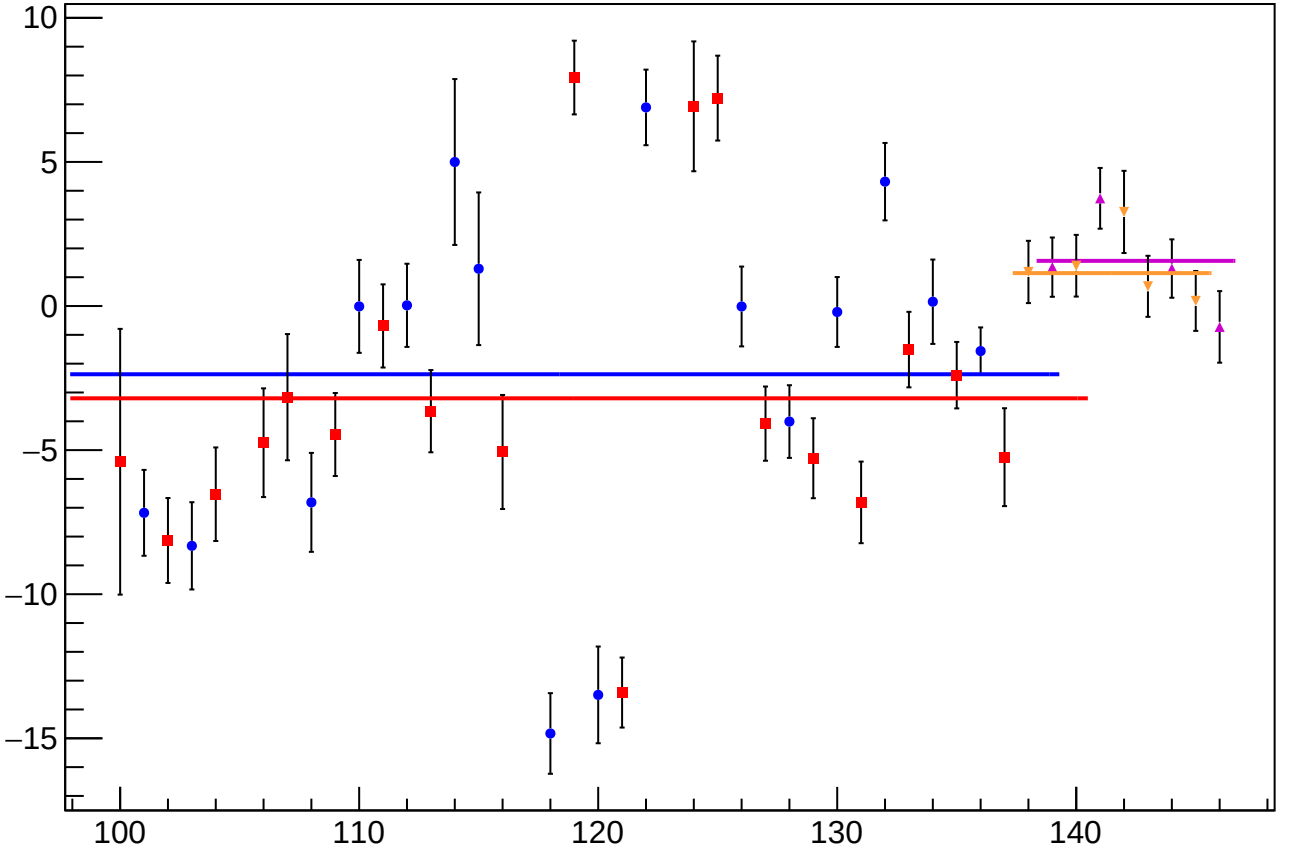
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 8121.534+/-1.768 χ^2/NDF:251058.7/19

Out: 7644.676+/-1.642 χ^2/NDF:603396.6/23

All: 7865.578+/-1.203 χ^2/NDF: 893520.8/43

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 1.142+/-0.498 χ^2/NDF:3.3/4

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.567+/-0.537 χ^2/NDF:7.8/3

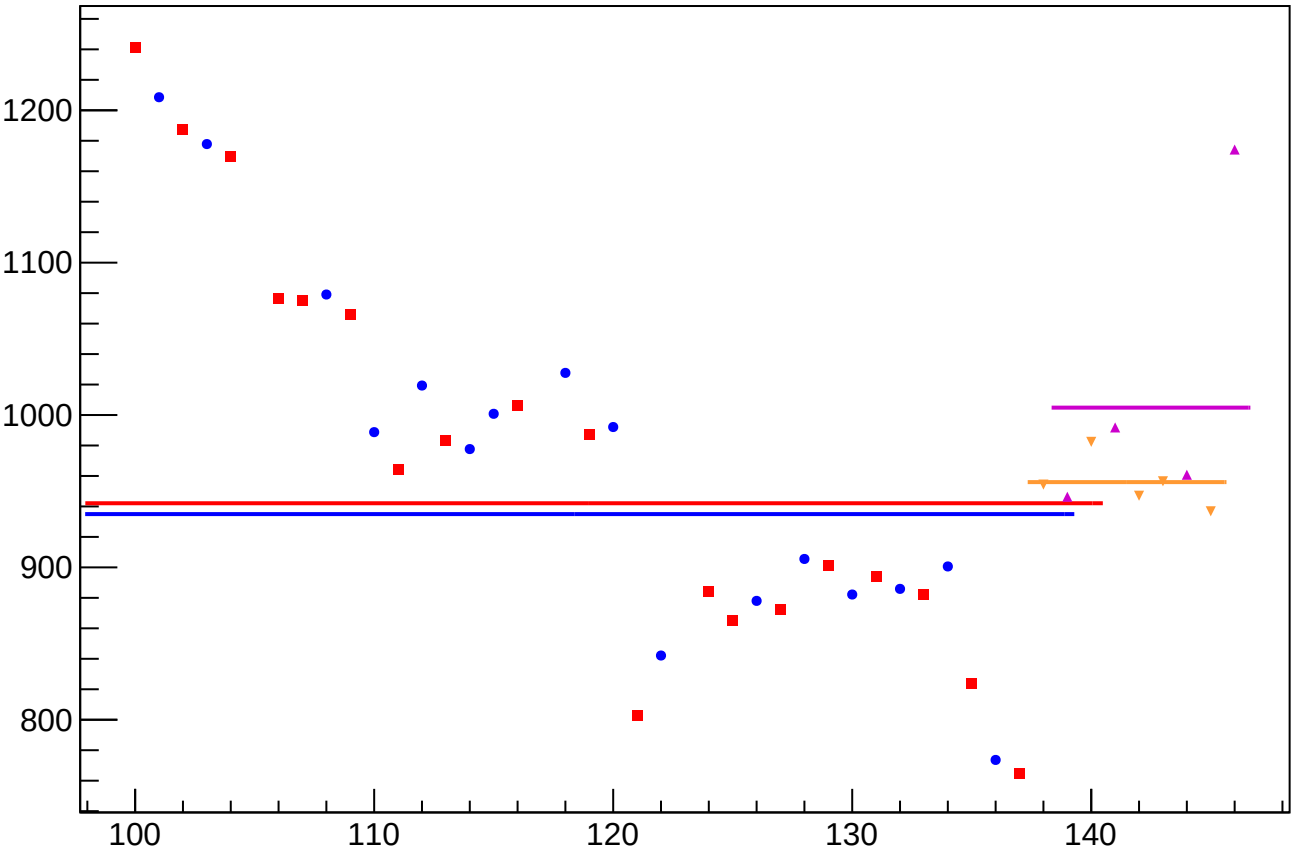
Left: 1.339+/-0.365 χ^2/NDF: 11.4/8

Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -1.192+/-0.293 χ^2/NDF:301.0/19

Out: -1.785+/-0.284 χ^2/NDF:305.2/23

All: -1.498+/-0.204 χ^2/NDF: 608.3/43



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 955.969+/-0.352 χ^2/NDF:1982.2/4

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1004.849+/-0.380 χ^2/NDF:47761.4/3

Left: 978.549+/-0.258 χ^2/NDF: 58657.3/8

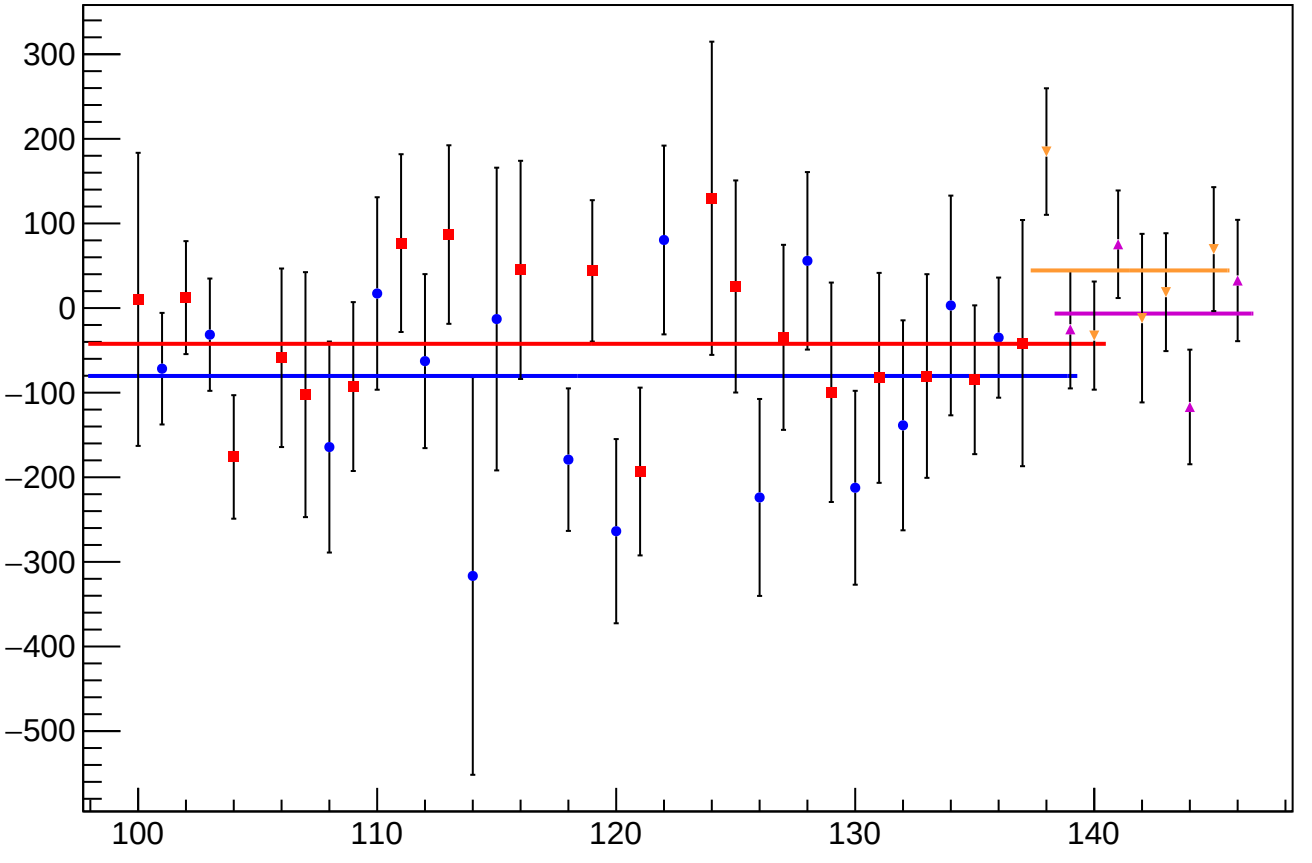
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 955.842+/-0.208 χ^2/NDF:325868.9/19

Out: 946.623+/-0.201 χ^2/NDF:235482.8/23

All: 951.086+/-0.144 χ^2/NDF: 562369.6/43

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 44.460+/-33.022 χ^2/NDF:5.6/4

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -6.512+/-34.003 χ^2/NDF:4.7/3

Left: 19.721+/-23.689 χ^2/NDF: 11.4/8

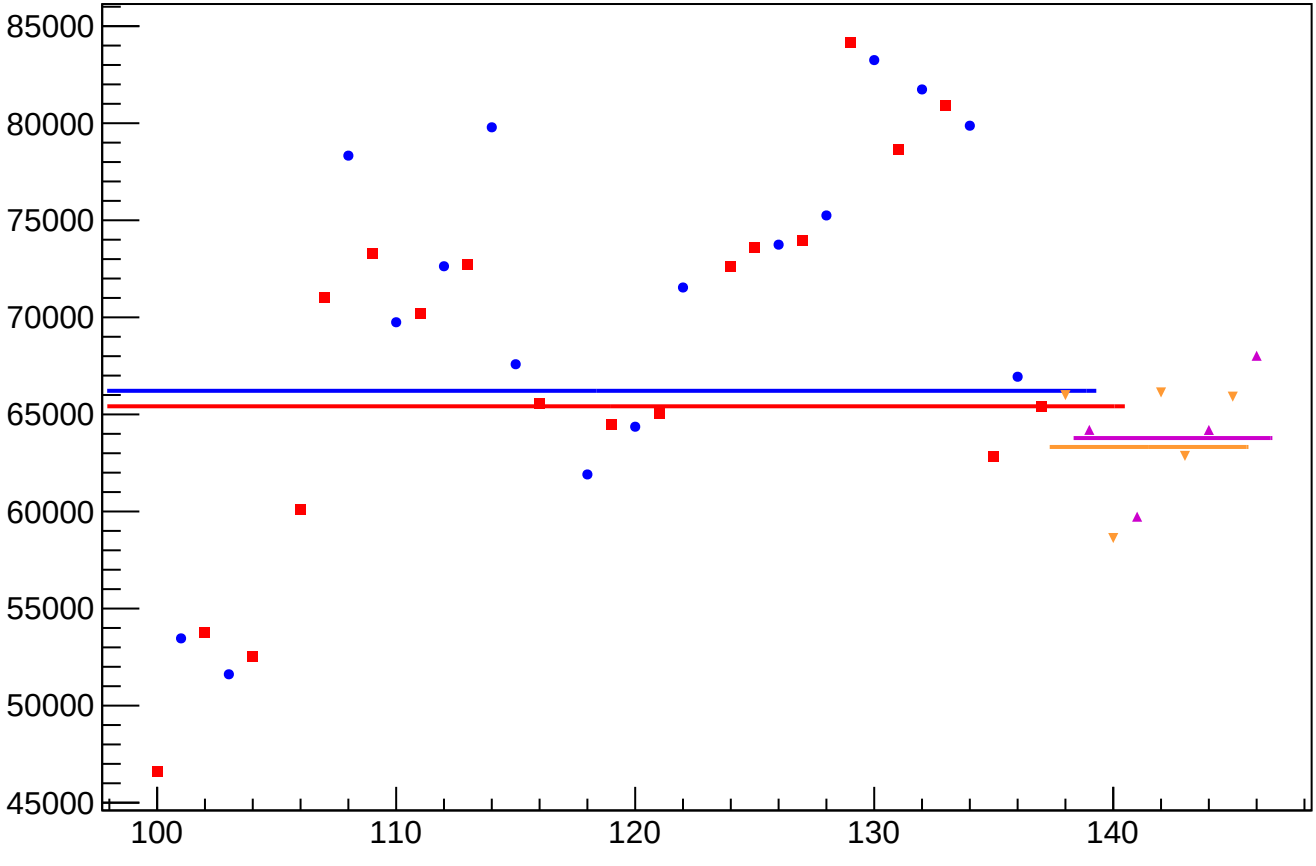
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -54.499+/-20.094 χ^2/NDF:22.5/19

Out: -12.052+/-19.490 χ^2/NDF:23.0/23

All: -32.628+/-13.990 χ^2/NDF: 47.9/43

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 63323.595+/-23.350 χ^2/NDF:17511.5/4

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 63782.796+/-24.044 χ^2/NDF:15256.7/3

Left: 63546.472+/-16.751 χ^2/NDF: 32955.9/8

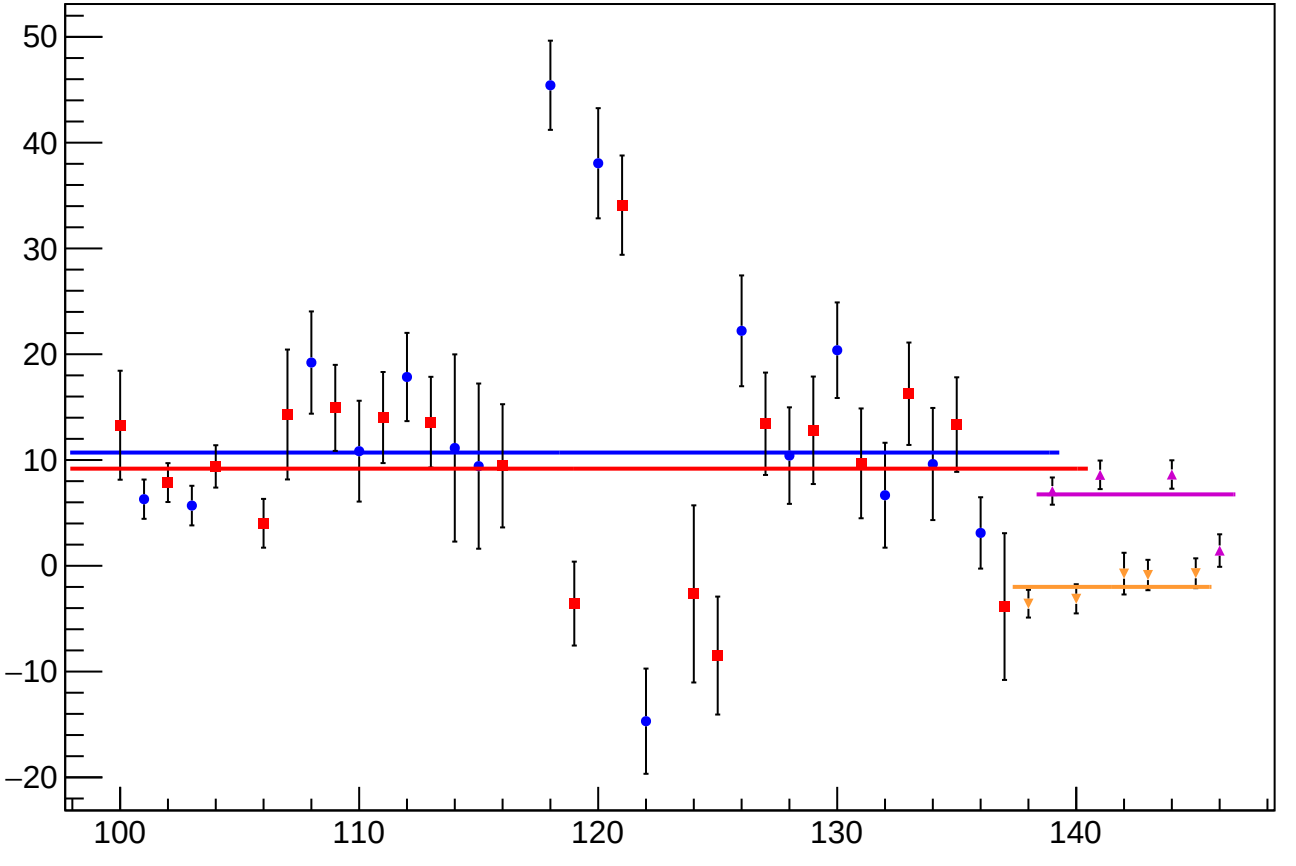
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 65366.351+/-14.209 χ^2/NDF:360299.5/19

Out: 64688.724+/-13.782 χ^2/NDF:327312.7/23

All: 65017.201+/-9.893 χ^2/NDF: 688784.1/43

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -1.995+/-0.652 χ^2/NDF:4.0/4

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 6.750+/-0.685 χ^2/NDF:15.8/3

Left: 2.162+/-0.472 χ^2/NDF: 105.3/8

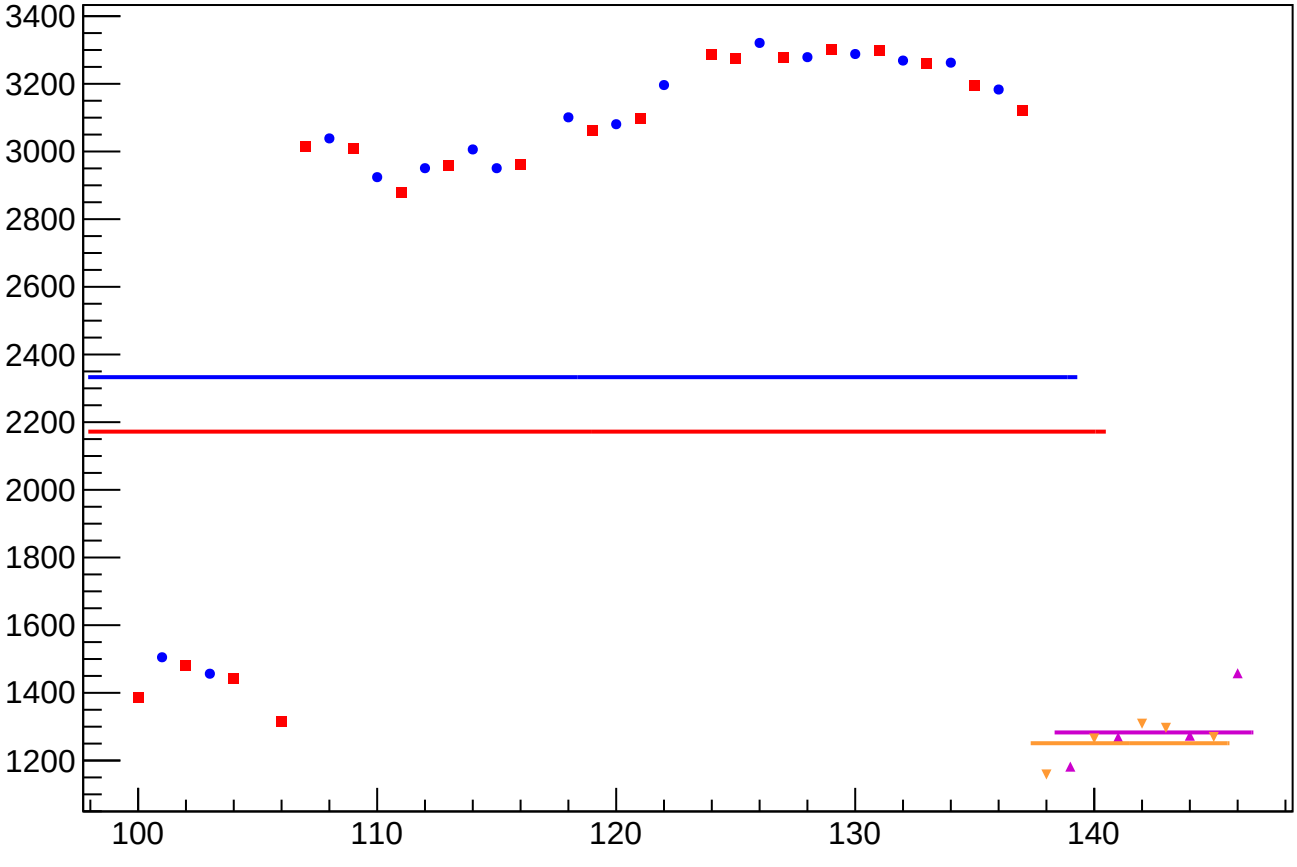
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 8.159+/-0.550 χ^2/NDF:183.3/19

Out: 2.145+/-0.517 χ^2/NDF:182.4/23

All: 4.971+/-0.377 χ^2/NDF: 429.2/43

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1251.102+/-0.461 χ^2/NDF:14190.5/4

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1282.967+/-0.484 χ^2/NDF:38571.2/3

Left: 1266.249+/-0.334 χ^2/NDF: 55032.4/8

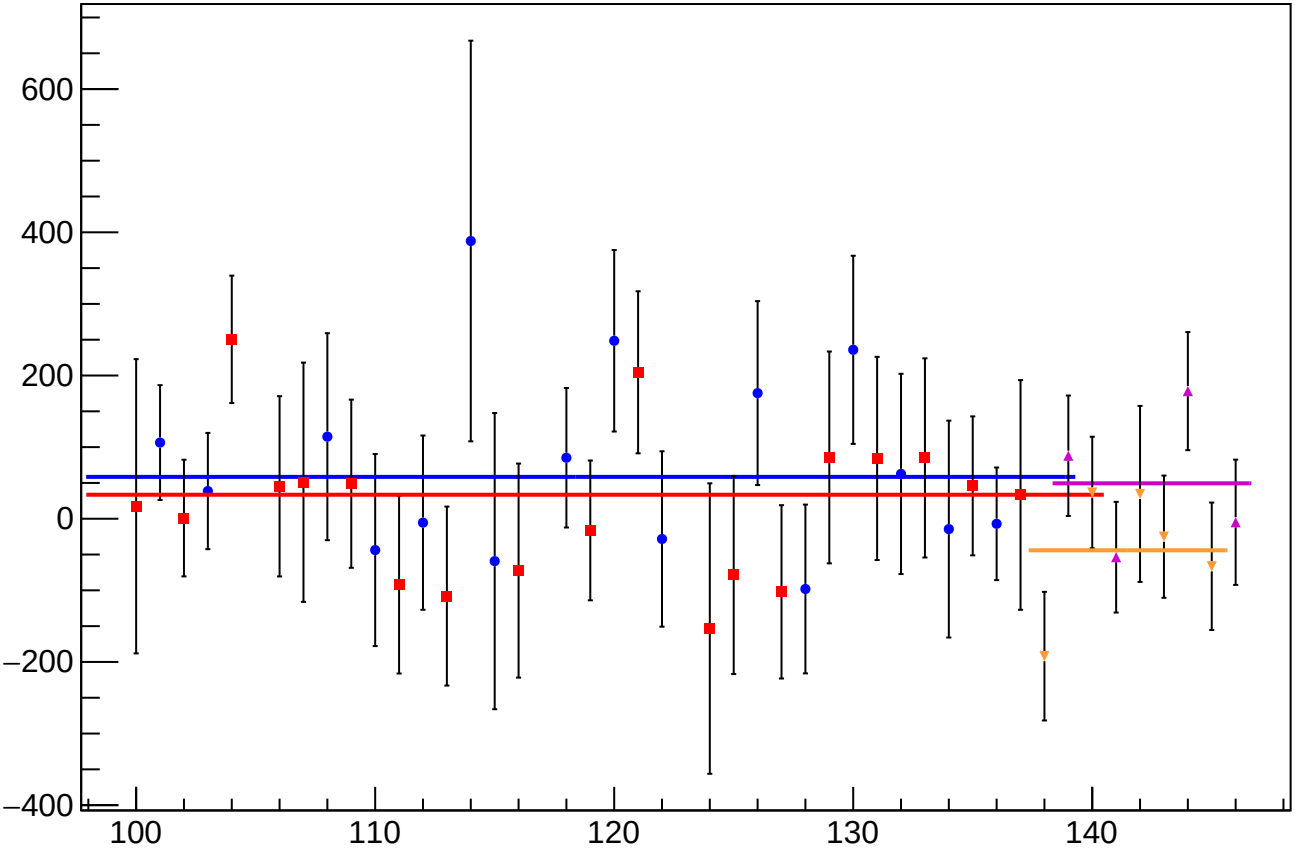
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1657.188+/-0.389 χ^2/NDF:3364868.7/19

Out: 1592.192+/-0.366 χ^2/NDF:3476138.8/23

All: 1622.732+/-0.266 χ^2/NDF: 6855838.6/43

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -44.092+/-40.206 χ^2/NDF:4.3/4

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 49.451+/-41.287 χ^2/NDF:4.8/3

Left: 1.439+/-28.804 χ^2/NDF: 11.8/8

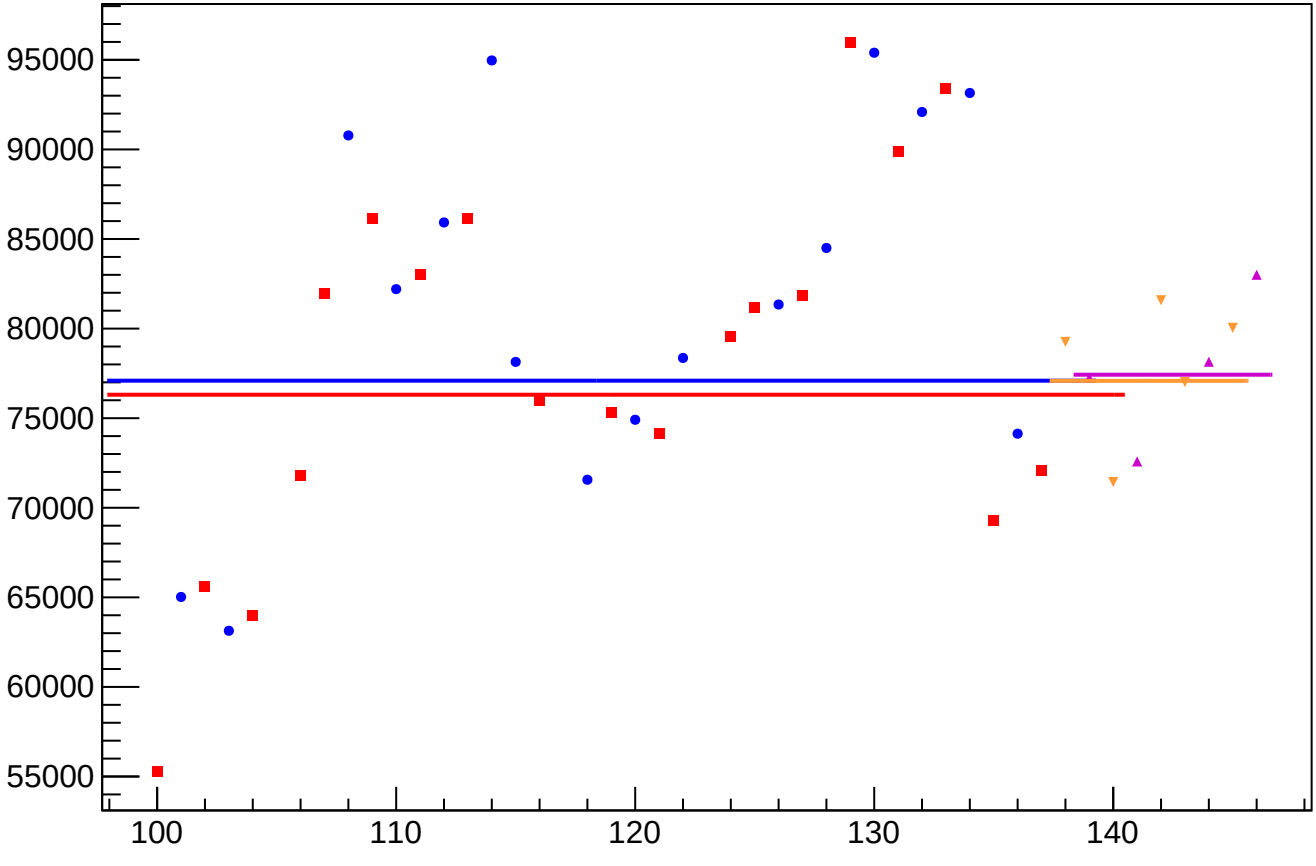
Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 55.486+/-23.686 χ^2/NDF:16.2/19

Out: 8.044+/-23.035 χ^2/NDF:21.5/23

All: 31.104+/-16.514 χ^2/NDF: 39.7/43

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 77084.364+/-28.430 χ^2/NDF:16586.2/4

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 77426.616+/-29.194 χ^2/NDF:16147.3/3

Left: 77250.953+/-20.368 χ^2/NDF: 32804.1/8

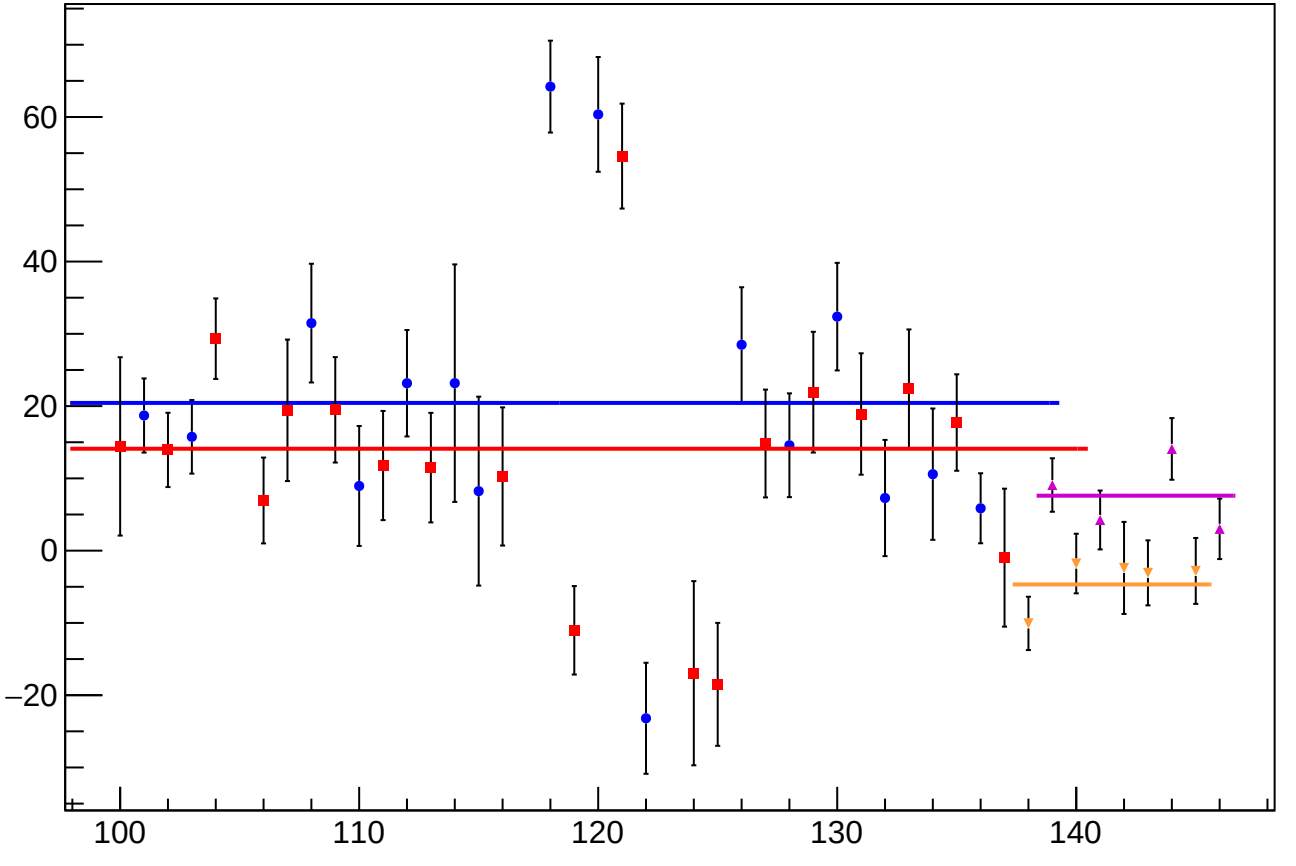
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 77202.884+/-16.748 χ^2/NDF:264777.6/19

Out: 76563.321+/-16.288 χ^2/NDF:251519.4/23

All: 76874.202+/-11.677 χ^2/NDF: 517046.5/4

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -4.677+/-1.983 χ^2/NDF:3.0/4

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 7.605+/-2.019 χ^2/NDF:4.3/3

Left: 1.354+/-1.414 χ^2/NDF: 26.2/8

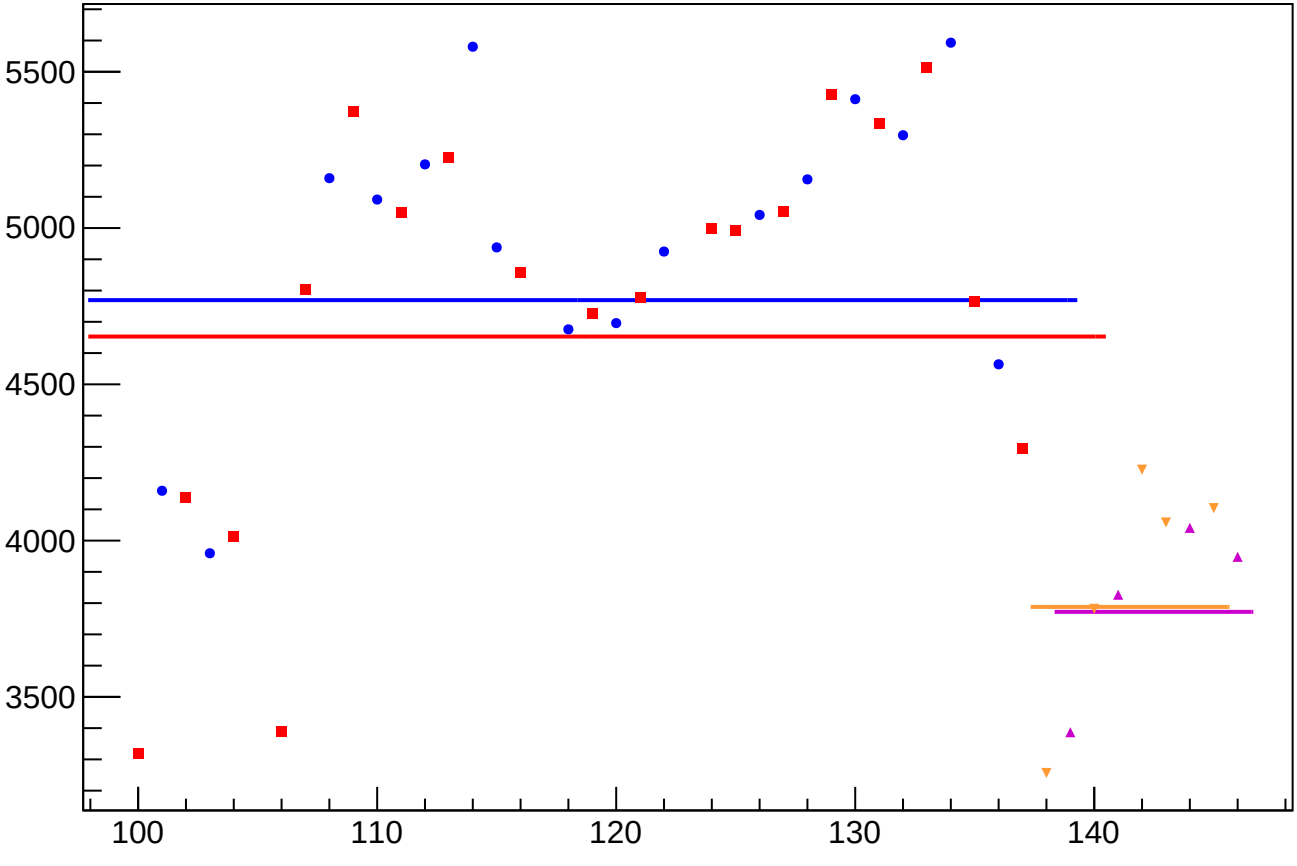
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 14.819+/-1.336 χ^2/NDF:154.9/19

Out: 6.072+/-1.296 χ^2/NDF:138.2/23

All: 10.315+/-0.930 χ^2/NDF: 315.1/43

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3787.832+/-1.402 χ^2/NDF:67804.4/4

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3772.034+/-1.427 χ^2/NDF:33540.9/3

Left: 3780.075+/-1.000 χ^2/NDF: 101407.7/8

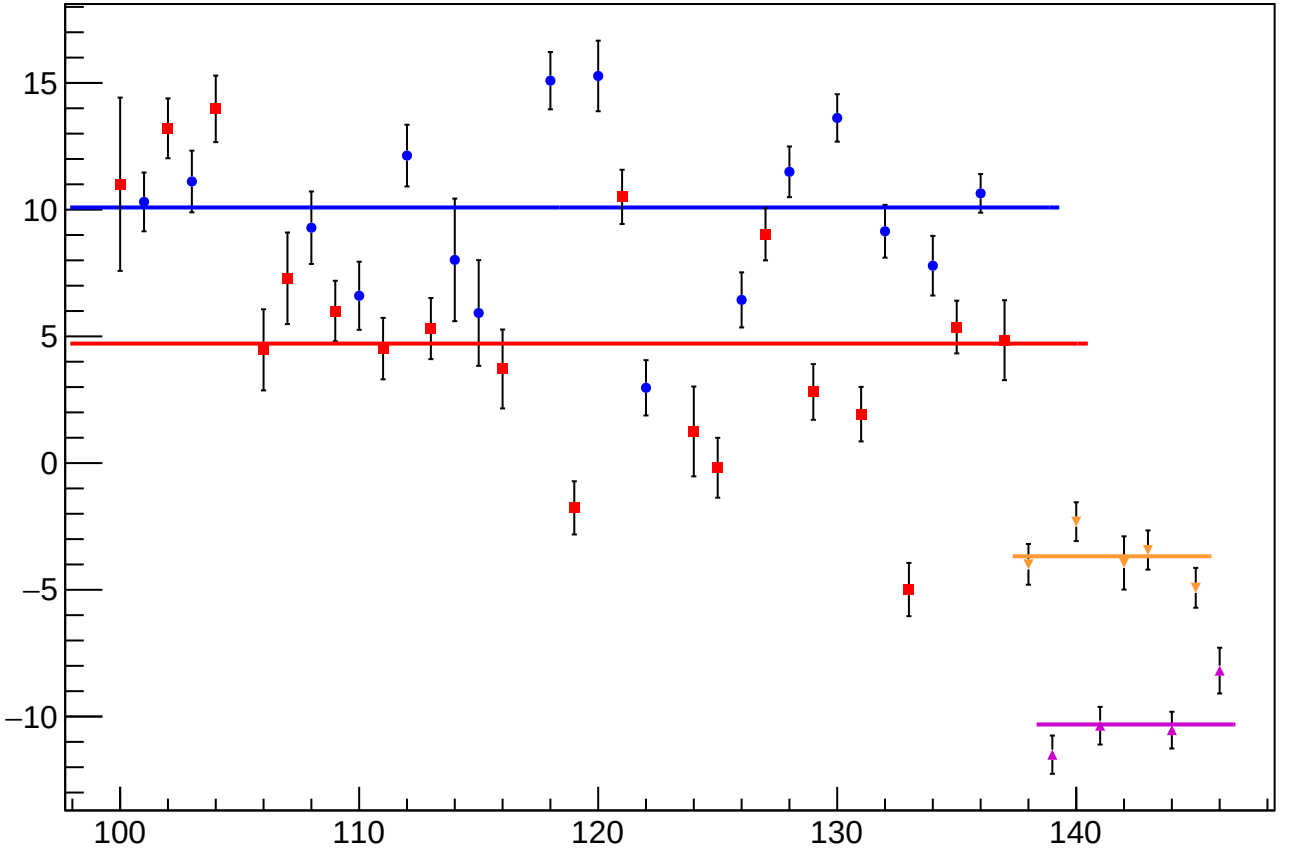
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4332.541+/-0.945 χ^2/NDF:459625.3/19

Out: 4283.014+/-0.917 χ^2/NDF:550882.6/23

All: 4307.036+/-0.658 χ^2/NDF: 1011923.6/43

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.678+/-0.366 χ^2/NDF:6.0/4

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -10.313+/-0.386 χ^2/NDF:8.1/3

Left: -6.820+/-0.266 χ^2/NDF: 169.4/8

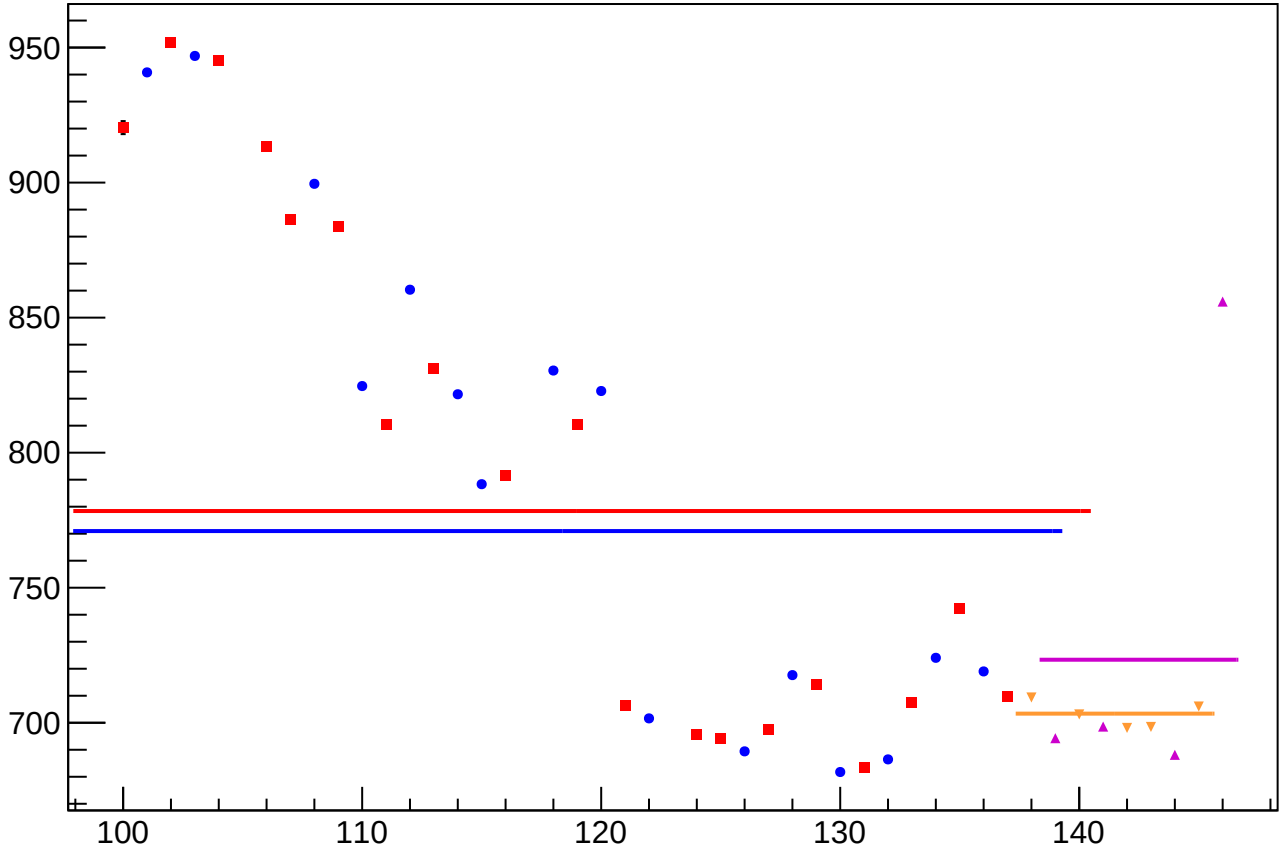
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.788+/-0.231 χ^2/NDF:1922.5/19

Out: 1.541+/-0.225 χ^2/NDF:642.5/23

All: 2.148+/-0.161 χ^2/NDF: 2579.9/43

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 703.375+/-0.259 χ^2/NDF:265.5/4

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 723.335+/-0.273 χ^2/NDF:53087.3/3

Left: 712.826+/-0.188 χ^2/NDF: 56163.2/8

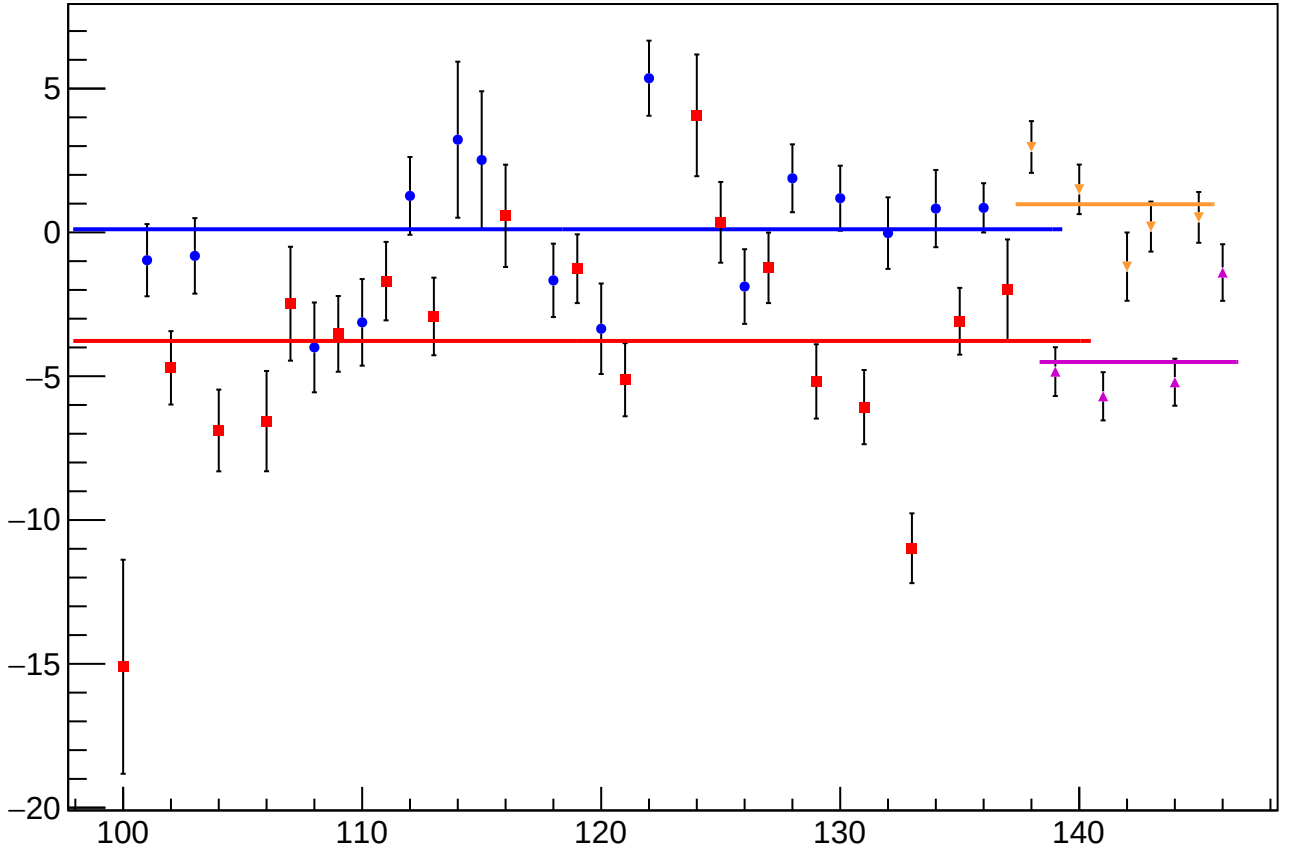
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 753.929+/-0.163 χ^2/NDF:265527.3/19

Out: 750.020+/-0.159 χ^2/NDF:248943.1/23

All: 751.925+/-0.114 χ^2/NDF: 514763.8/43

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 0.979+/-0.412 χ^2/NDF:9.7/4

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -4.506+/-0.433 χ^2/NDF:12.9/3

Left: -1.628+/-0.298 χ^2/NDF: 107.0/8

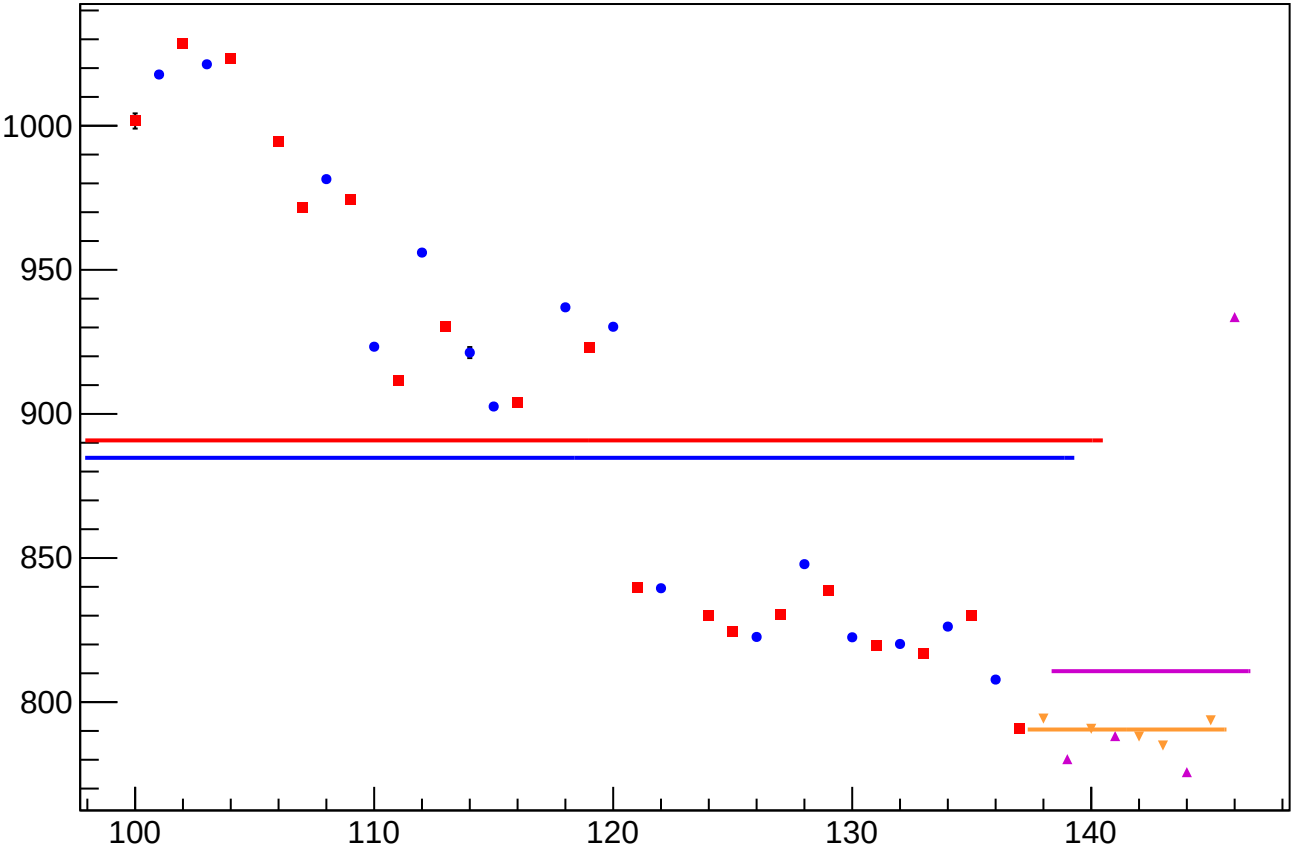
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.588+/-0.262 χ^2/NDF:130.2/19

Out: -1.942+/-0.256 χ^2/NDF:191.1/23

All: -1.769+/-0.183 χ^2/NDF: 322.3/43

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 790.495+/-0.291 χ^2/NDF:151.7/4

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 810.738+/-0.306 χ^2/NDF:38896.0/3

Left: 800.115+/-0.211 χ^2/NDF: 41346.0/8

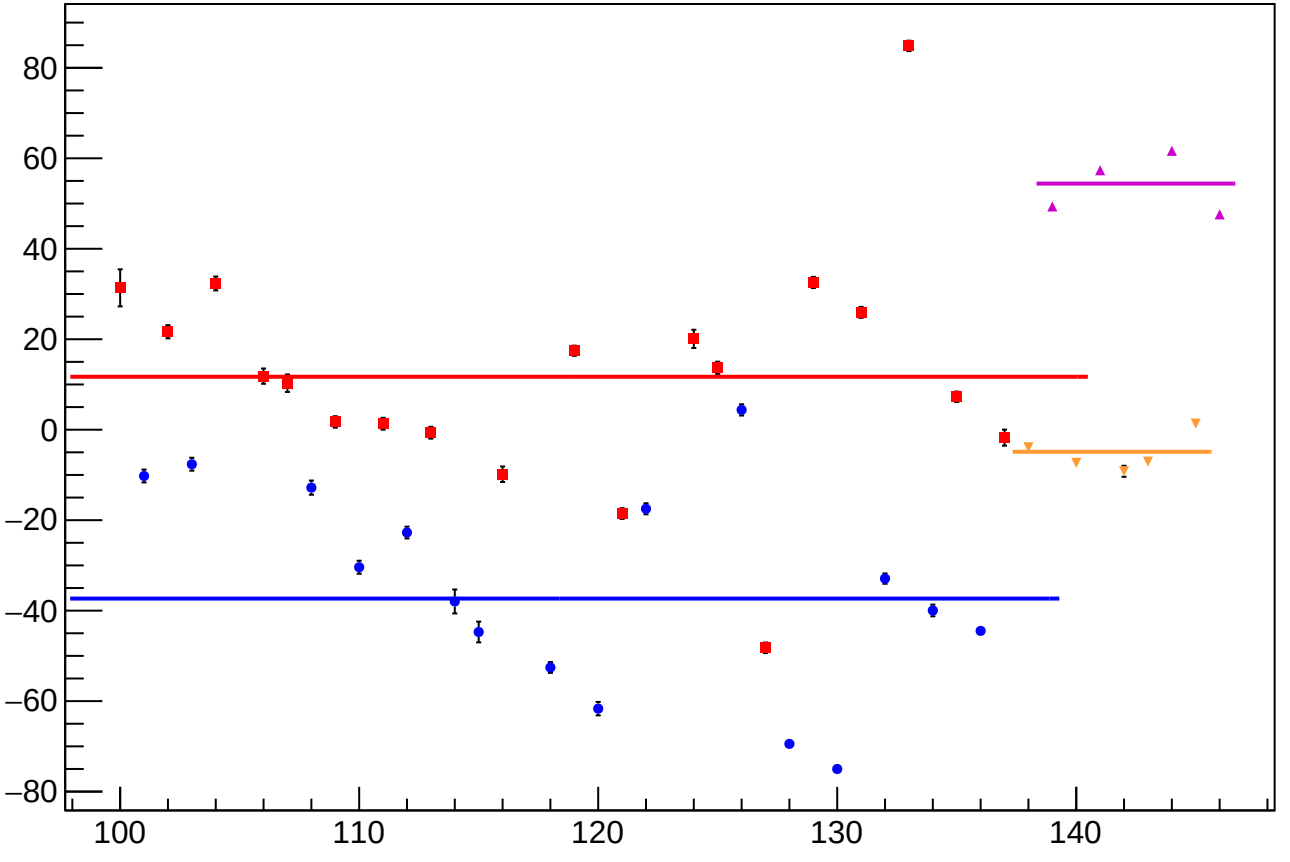
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 857.549+/-0.185 χ^2/NDF:180427.8/19

Out: 852.141+/-0.181 χ^2/NDF:180902.3/23

All: 854.775+/-0.129 χ^2/NDF: 361766.3/43

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -4.882+/-0.420 χ^2/NDF:74.3/4

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 54.408+/-0.441 χ^2/NDF:167.8/3

Left: 23.266+/-0.304 χ^2/NDF: 9716.2/8

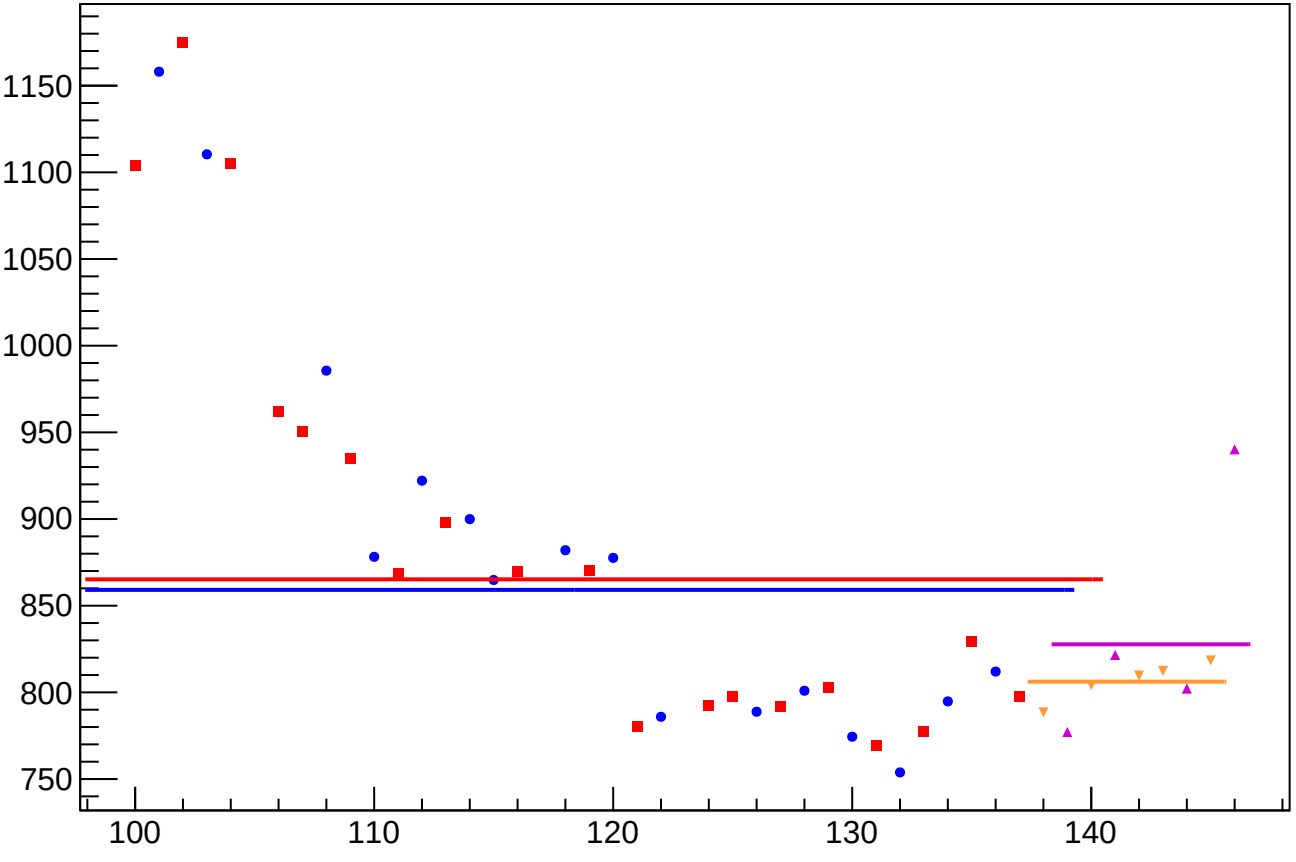
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: -5.507+/-0.260 χ^2/NDF:33555.7/19

Out: 5.659+/-0.253 χ^2/NDF:9530.5/23

All: 0.219+/-0.181 χ^2/NDF: 44031.9/43

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 806.191+/-0.297 χ^2/NDF:1272.0/4

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 827.725+/-0.312 χ^2/NDF:34886.6/3

Left: 816.414+/-0.215 χ^2/NDF: 38658.0/8

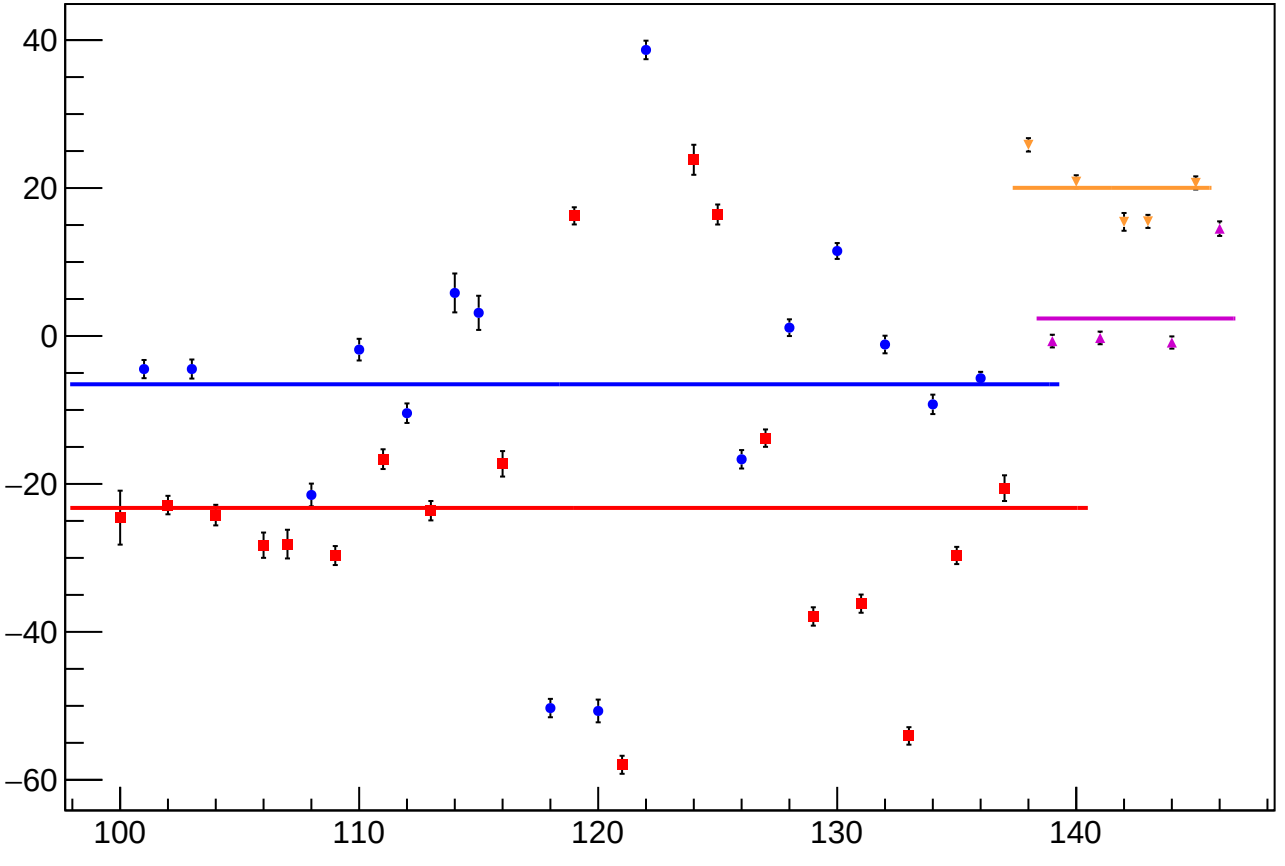
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 848.233+/-0.184 χ^2/NDF:270205.4/19

Out: 843.695+/-0.179 χ^2/NDF:250072.9/23

All: 845.906+/-0.128 χ^2/NDF: 520590.8/43

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 20.026+/-0.417 χ^2/NDF:83.5/4

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 2.366+/-0.438 χ^2/NDF:189.1/3

Left: 11.632+/-0.302 χ^2/NDF: 1125.7/8

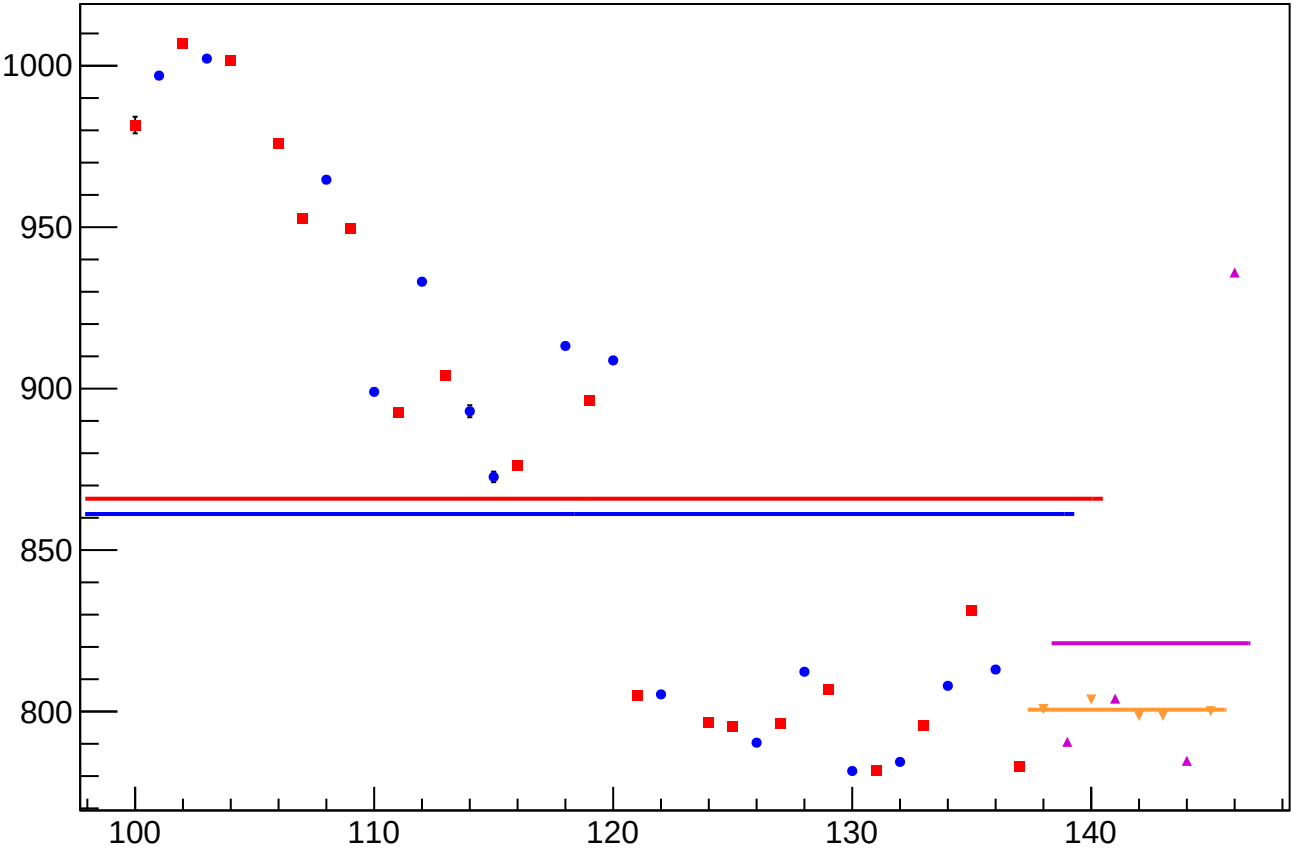
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -3.418+/-0.259 χ^2/NDF:4403.4/19

Out: -7.387+/-0.252 χ^2/NDF:11380.1/23

All: -5.454+/-0.181 χ^2/NDF: 15904.0/43

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 800.557+/-0.295 χ^2/NDF:41.1/4

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 821.145+/-0.310 χ^2/NDF:34308.4/3

Left: 810.343+/-0.214 χ^2/NDF: 36668.5/8

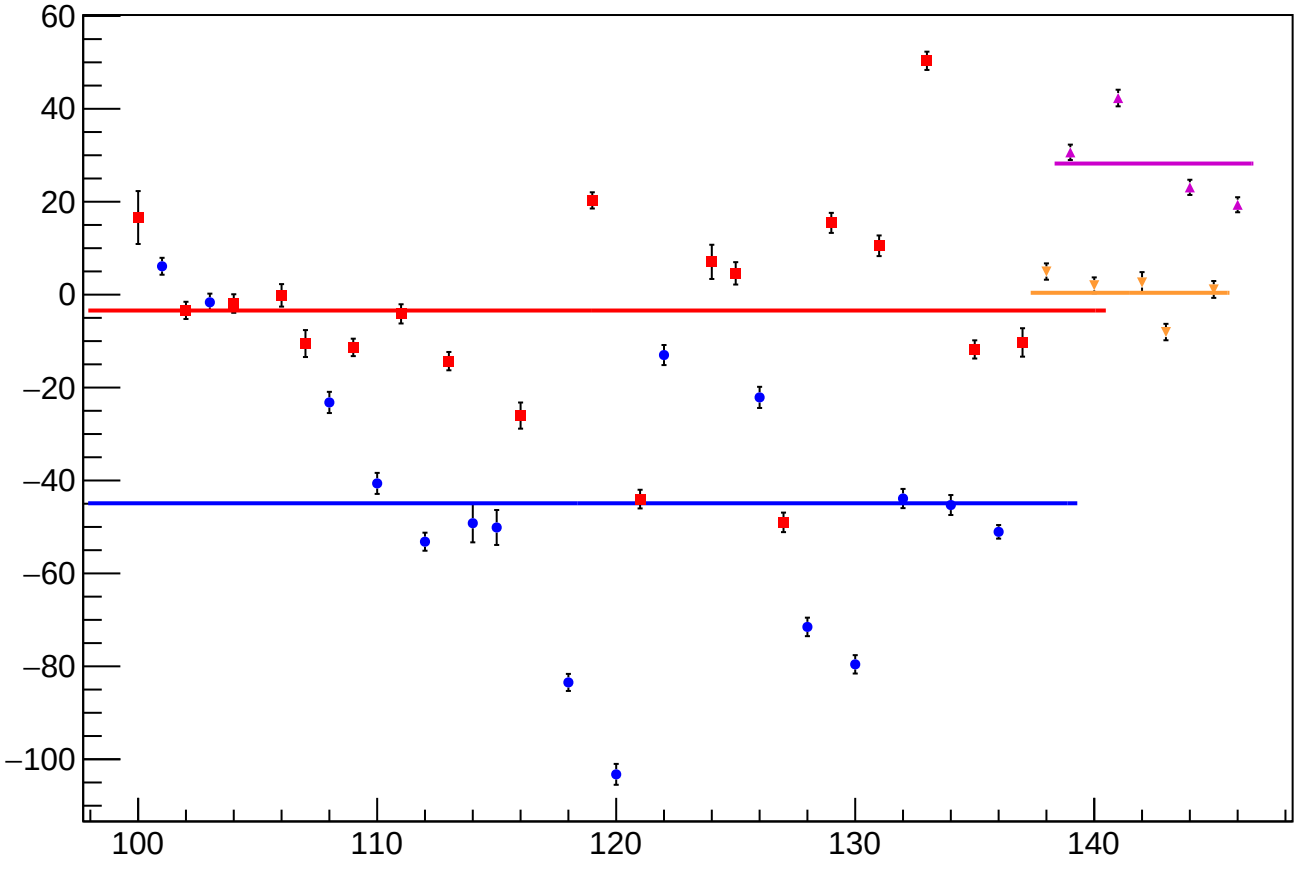
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 847.172+/-0.183 χ^2/NDF:158699.7/19

Out: 841.959+/-0.178 χ^2/NDF:149602.3/23

All: 844.497+/-0.128 χ^2/NDF: 308717.6/43

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: 0.399+/-0.818 χ^2/NDF:31.7/4

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 28.218+/-0.836 χ^2/NDF:104.1/3

Left: 13.998+/-0.585 χ^2/NDF: 701.6/8

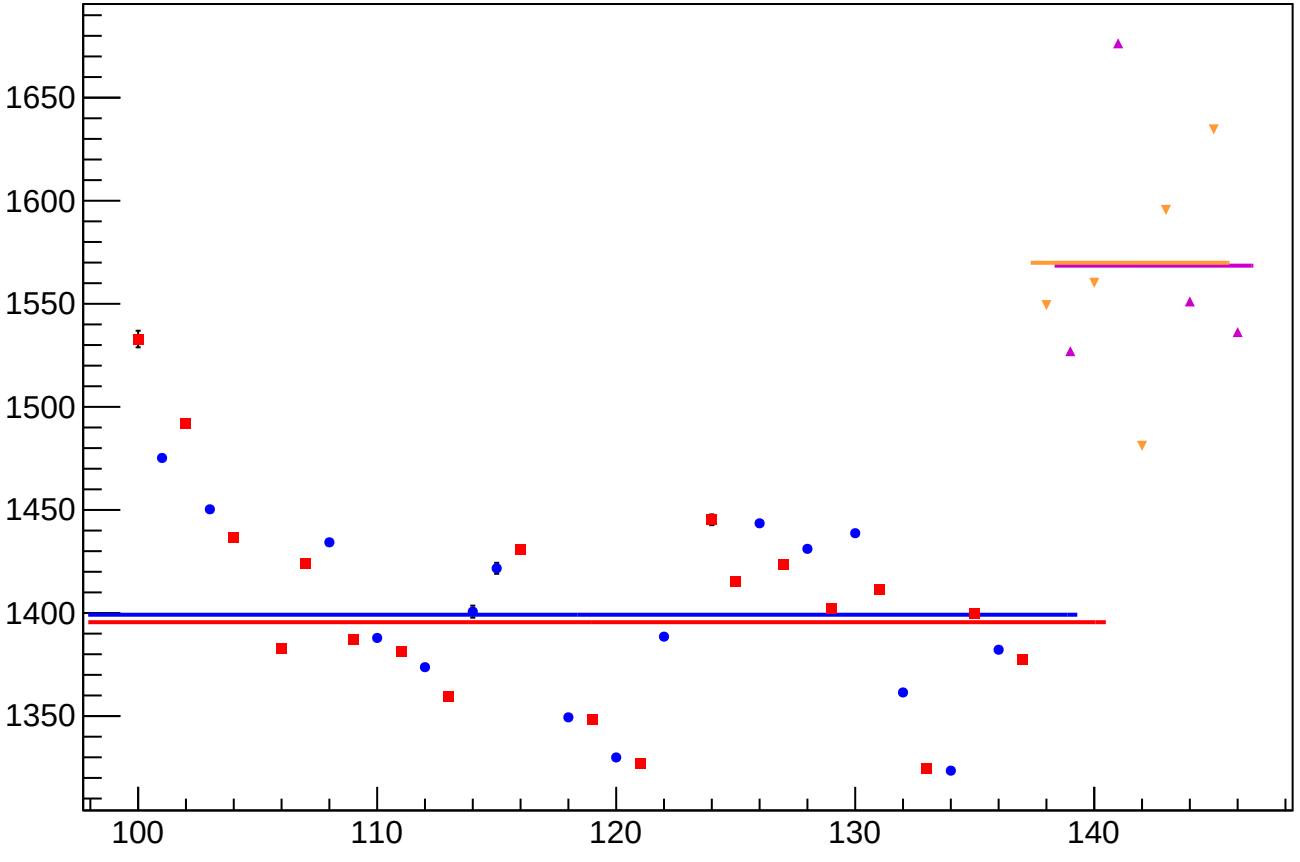
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -24.520+/-0.442 χ^2/NDF:8996.4/19

Out: -2.350+/-0.432 χ^2/NDF:2149.5/23

All: -13.199+/-0.309 χ^2/NDF: 12433.4/43

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1569.908+/-0.578 χ^2/NDF:6474.3/4

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1568.508+/-0.591 χ^2/NDF:9551.6/3

Left: 1569.224+/-0.413 χ^2/NDF: 16028.7/8

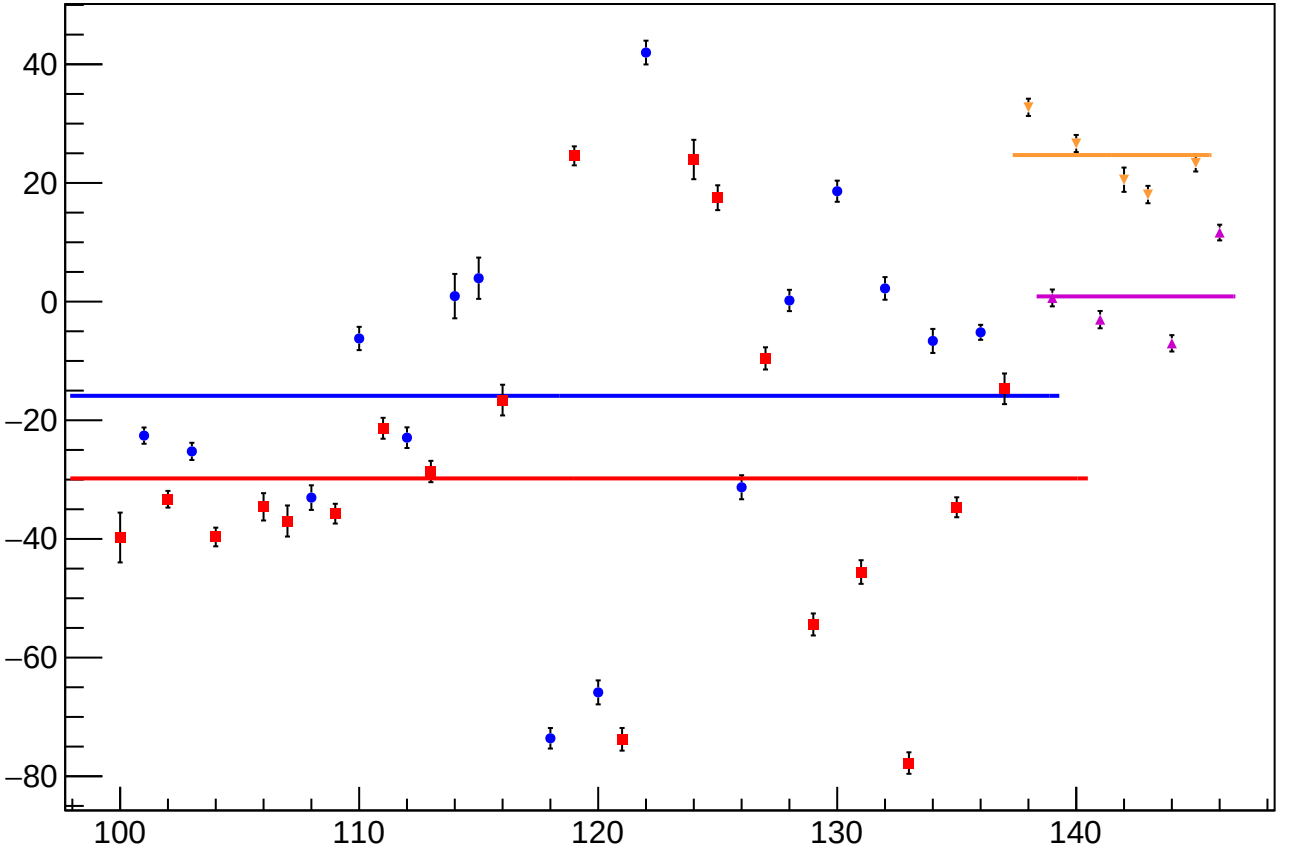
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1446.378+/-0.312 χ^2/NDF:83544.8/19

Out: 1444.256+/-0.306 χ^2/NDF:88239.9/23

All: 1445.295+/-0.218 χ^2/NDF: 171808.3/43

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 24.704+/-0.685 χ^2/NDF:58.0/4

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 0.877+/-0.696 χ^2/NDF:106.1/3

Left: 12.996+/-0.488 χ^2/NDF: 759.5/8

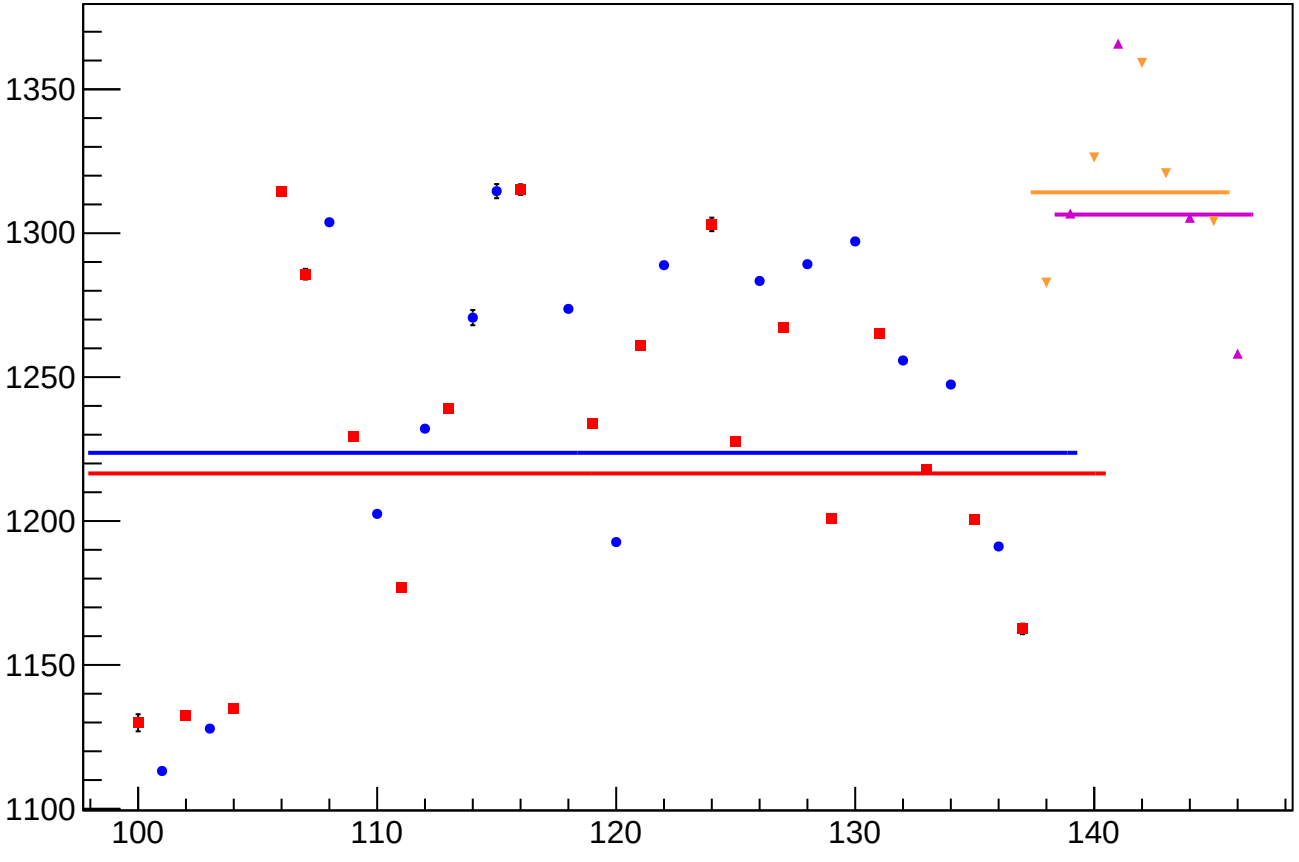
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -10.862+/-0.381 χ^2/NDF:3989.4/19

Out: -13.642+/-0.373 χ^2/NDF:8199.5/23

All: -12.283+/-0.266 χ^2/NDF: 12216.1/43

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1314.212+/-0.484 χ^2/NDF:2173.0/4

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1306.483+/-0.492 χ^2/NDF:5978.0/3

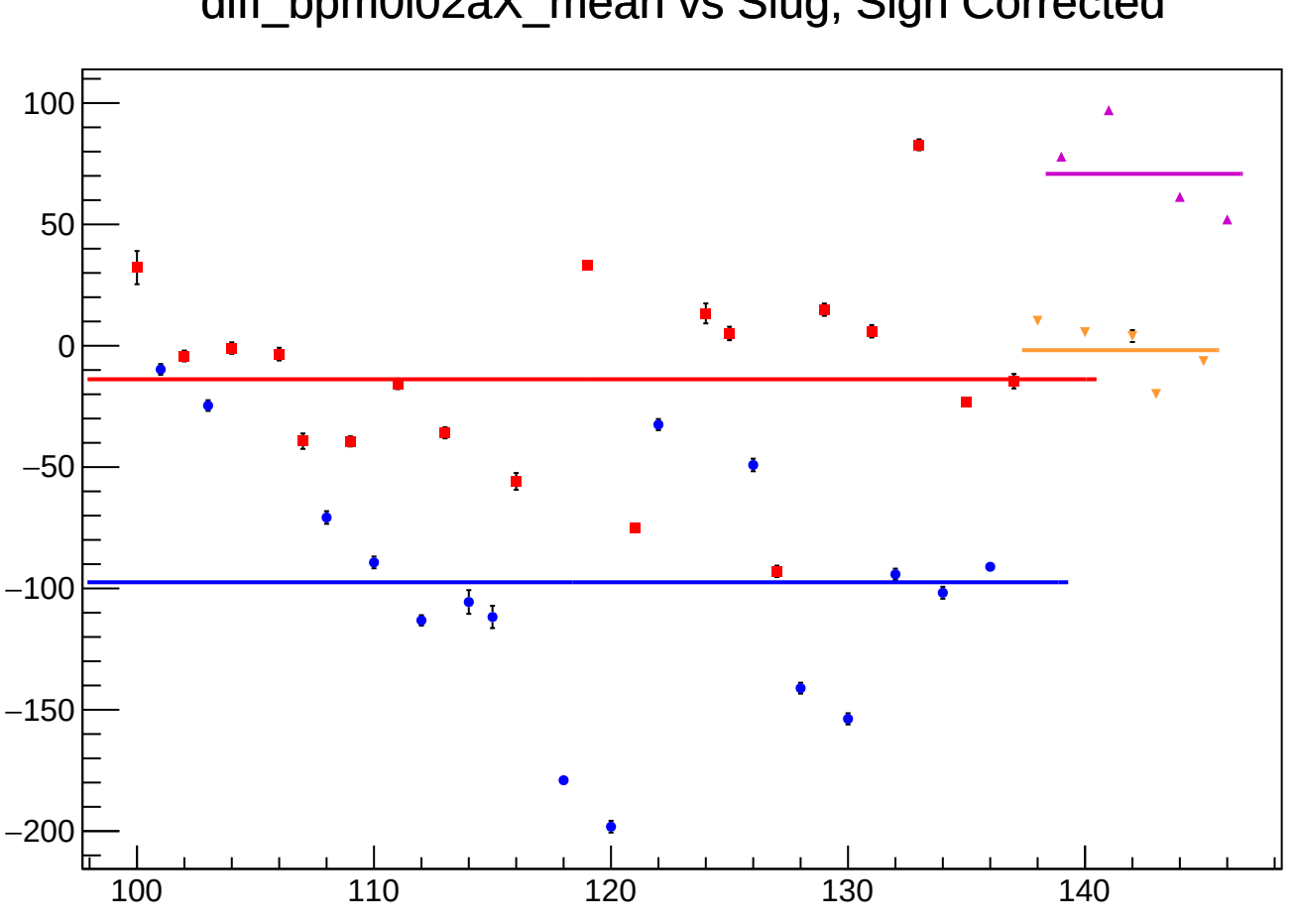
Left: 1310.414+/-0.345 χ^2/NDF: 8276.3/8

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1248.483+/-0.269 χ^2/NDF:66658.6/19

Out: 1245.490+/-0.264 χ^2/NDF:60204.0/23

All: 1246.954+/-0.188 χ^2/NDF: 126925.7/43



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -1.823+/-0.846 χ^2/NDF:173.9/4

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 70.838+/-0.863 χ^2/NDF:381.9/3

Left: 33.773+/-0.604 χ^2/NDF: 4170.1/8

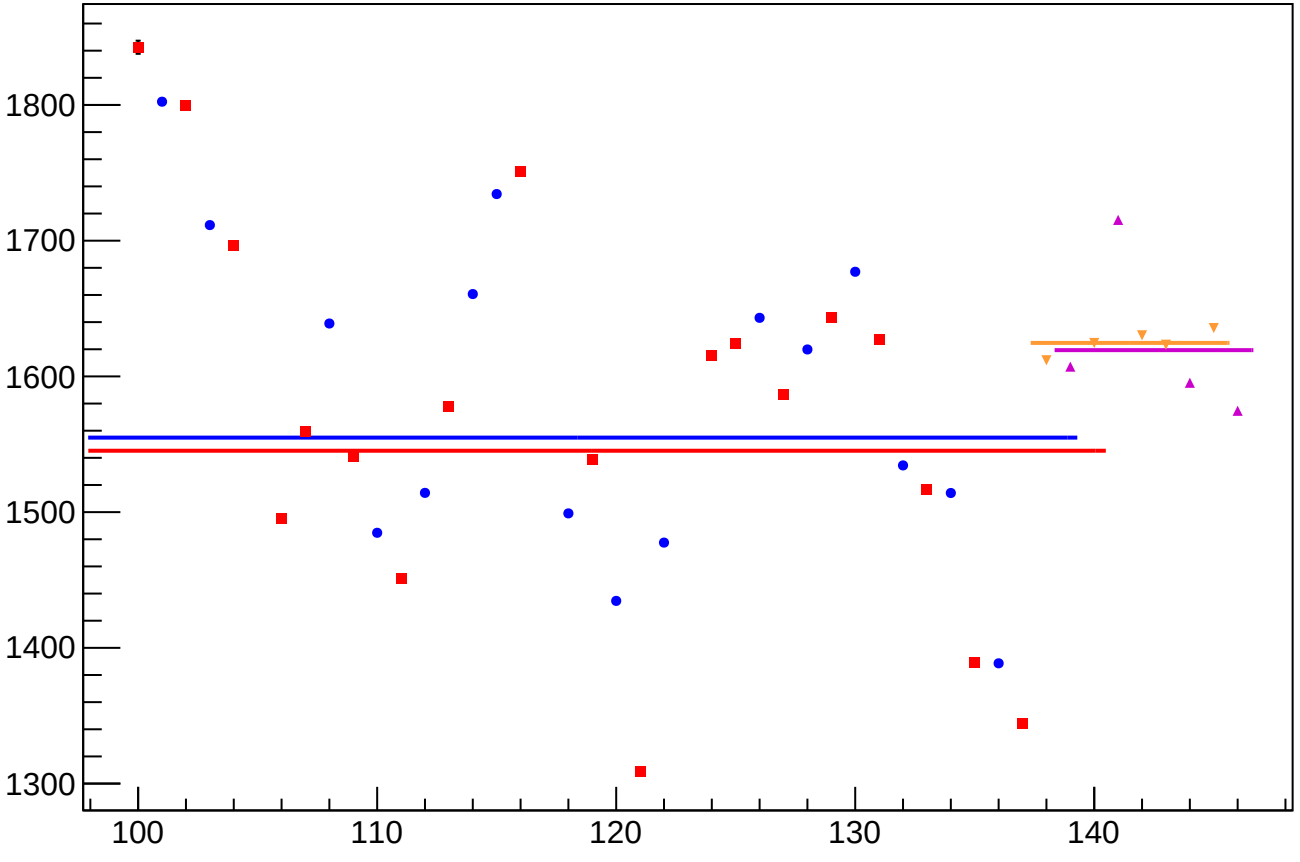
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -45.182+/-0.481 χ^2/NDF:34885.5/19

Out: -10.111+/-0.470 χ^2/NDF:5664.9/23

All: -27.246+/-0.336 χ^2/NDF: 43268.2/43

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1624.681+/-0.598 χ^2/NDF:182.4/4

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1619.352+/-0.610 χ^2/NDF:7458.0/3

Left: 1622.071+/-0.427 χ^2/NDF: 7679.3/8

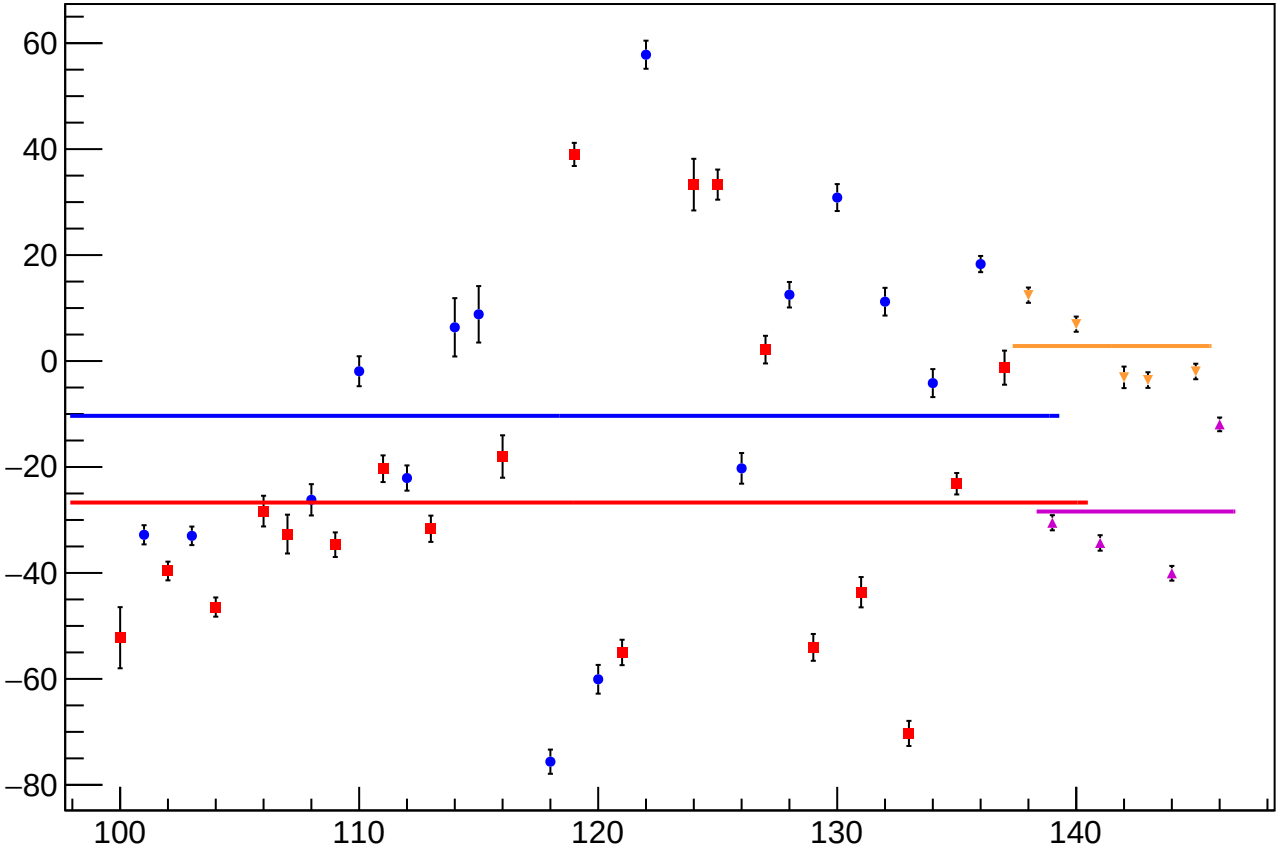
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1574.925+/-0.340 χ^2/NDF:103062.7/19

Out: 1569.785+/-0.333 χ^2/NDF:121160.0/23

All: 1572.296+/-0.238 χ^2/NDF: 224339.4/43

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 2.831+/-0.684 χ^2/NDF:90.7/4

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -28.405+/-0.695 χ^2/NDF:250.3/3

Left: -12.540+/-0.488 χ^2/NDF: 1366.0/8

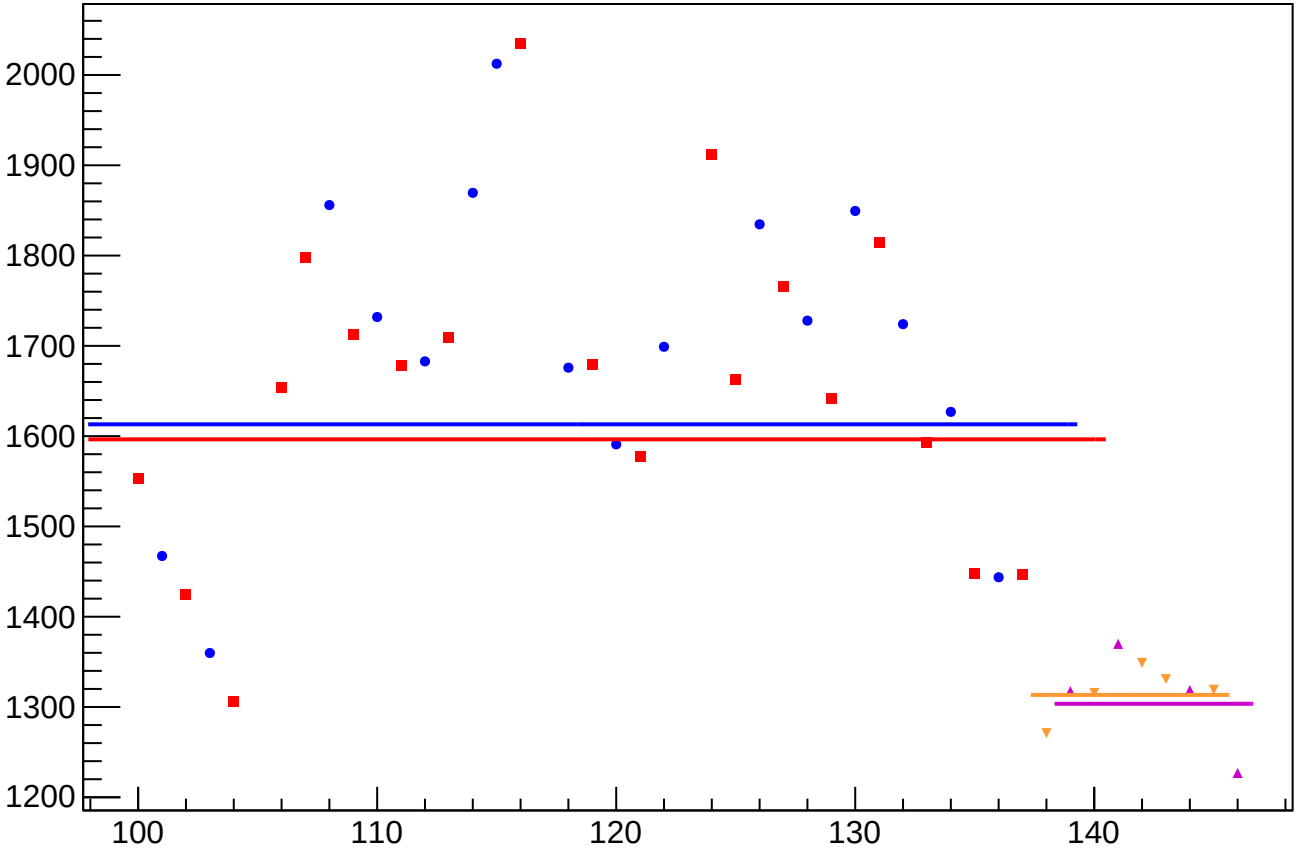
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -18.099+/-0.456 χ^2/NDF:3642.3/19

Out: -14.205+/-0.445 χ^2/NDF:3705.8/23

All: -16.107+/-0.318 χ^2/NDF: 7385.4/43

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1313.379+/-0.484 χ^2/NDF:2647.7/4

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1303.563+/-0.492 χ^2/NDF:11566.1/3

Left: 1308.549+/-0.345 χ^2/NDF: 14416.2/8

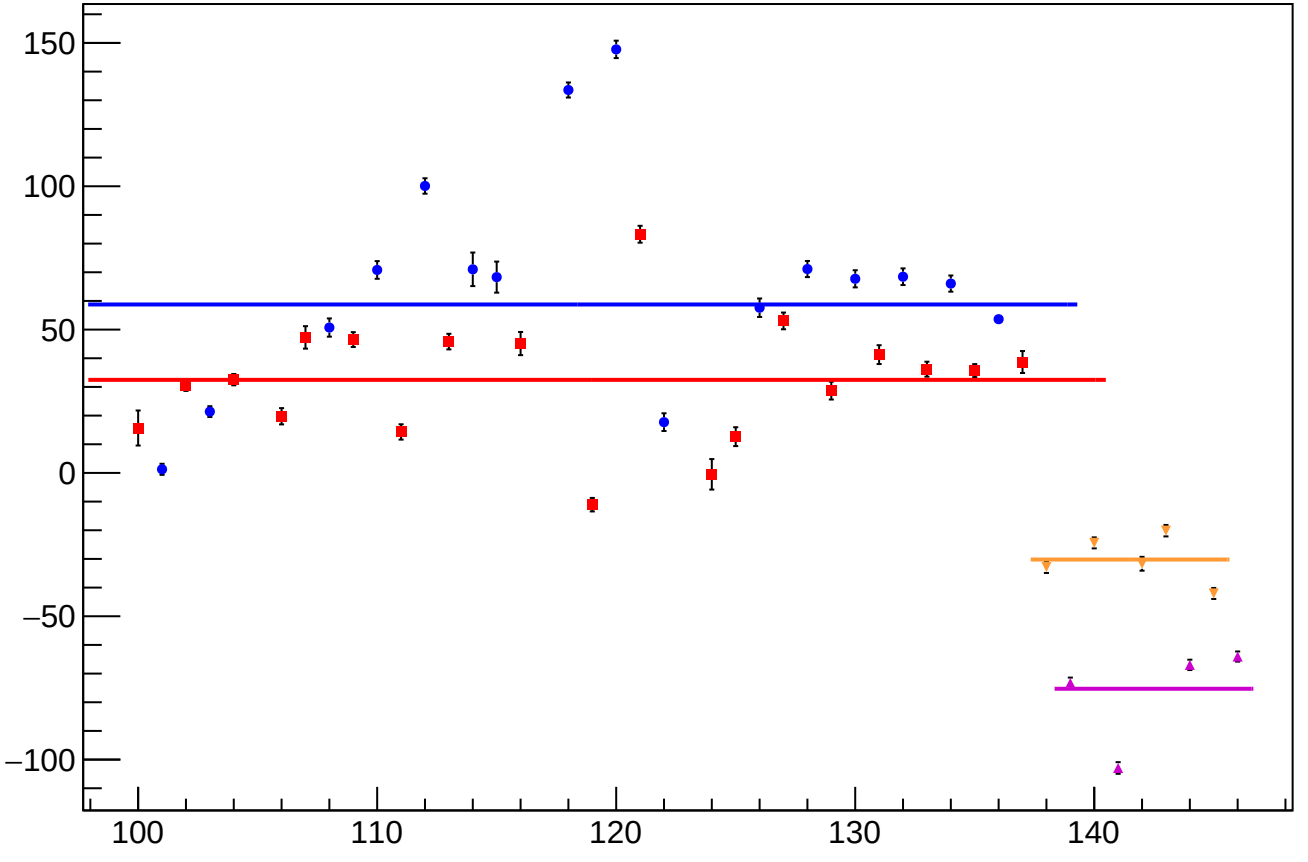
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1480.198+/-0.322 χ^2/NDF:392436.8/19

Out: 1476.623+/-0.315 χ^2/NDF:360656.3/23

All: 1478.370+/-0.225 χ^2/NDF: 753156.2/43

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -30.213+/-0.911 χ^2/NDF:74.5/4

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -75.293+/-0.932 χ^2/NDF:248.0/3

Left: -52.228+/-0.652 χ^2/NDF: 1518.4/8

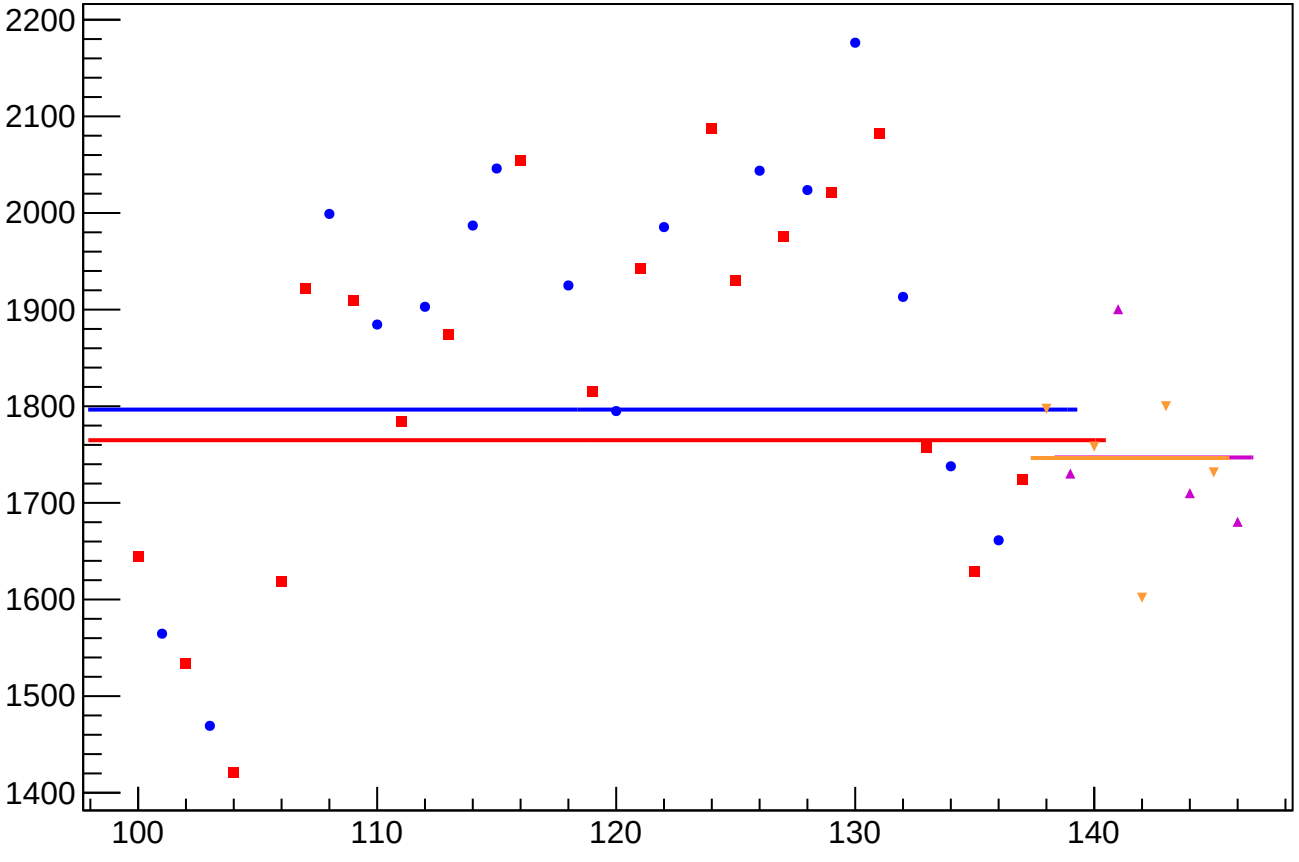
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: 12.896+/-0.545 χ^2/NDF:17288.3/19

Out: 11.389+/-0.528 χ^2/NDF:4147.3/23

All: 12.118+/-0.379 χ^2/NDF: 21439.6/43

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1746.464+/-0.644 χ^2/NDF:10057.8/4

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1747.010+/-0.659 χ^2/NDF:15246.0/3

Left: 1746.730+/-0.461 χ^2/NDF: 25304.1/8

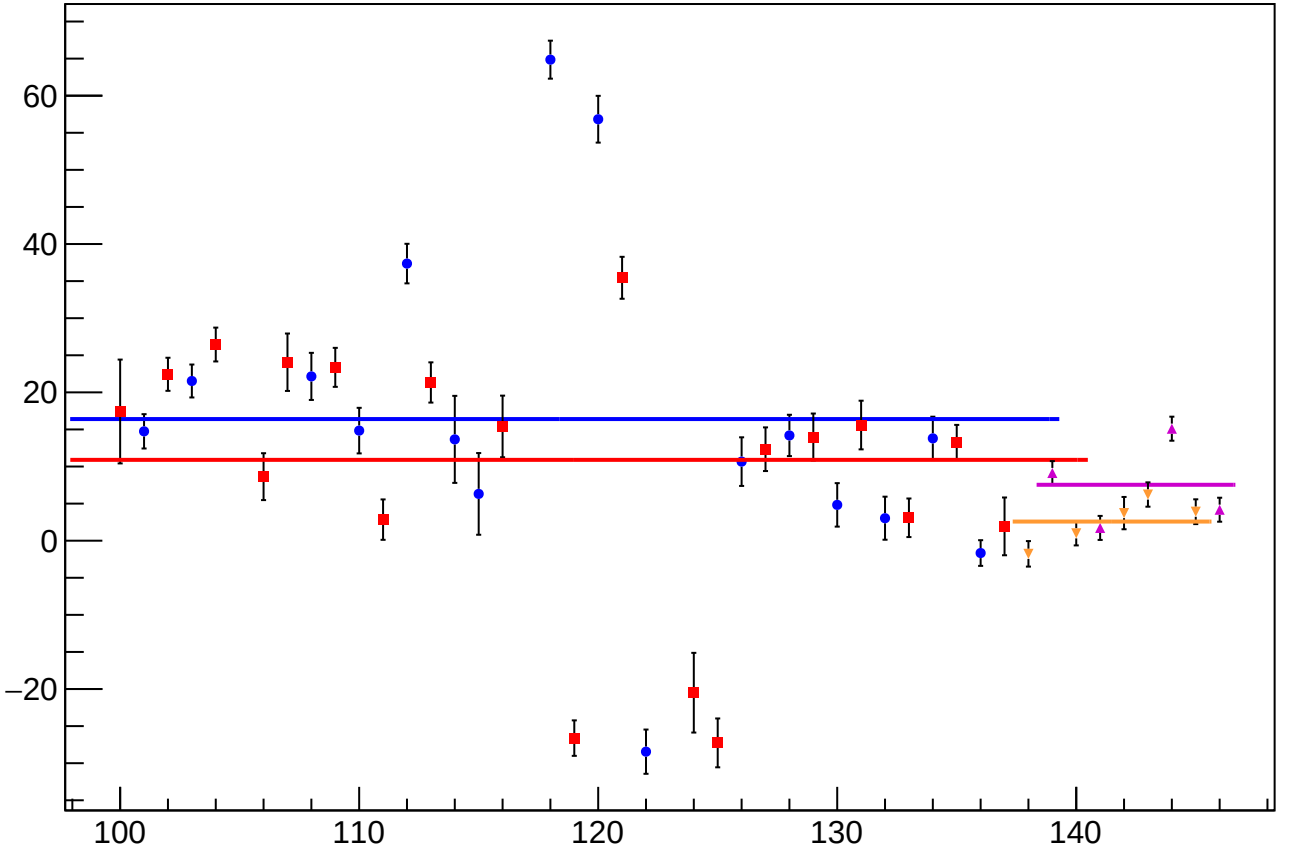
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1779.603+/-0.386 χ^2/NDF:212132.4/19

Out: 1758.674+/-0.374 χ^2/NDF:200587.0/23

All: 1768.805+/-0.268 χ^2/NDF: 414239.0/43

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 2.579+/-0.777 χ^2/NDF:13.2/4

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 7.538+/-0.807 χ^2/NDF:40.0/3

Left: 4.966+/-0.560 χ^2/NDF: 72.8/8

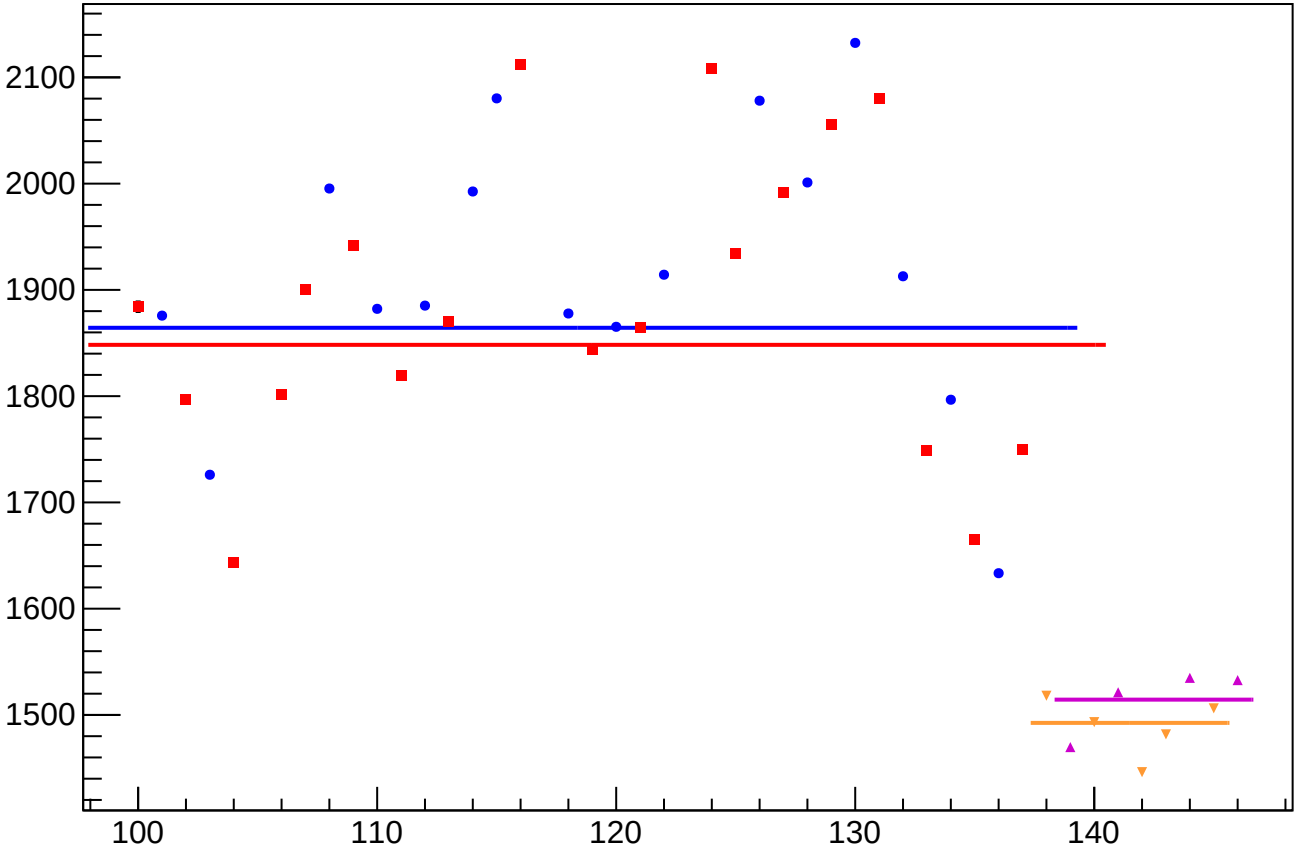
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 12.625+/-0.527 χ^2/NDF:1082.2/19

Out: 7.314+/-0.510 χ^2/NDF:720.1/23

All: 9.886+/-0.366 χ^2/NDF: 1854.8/43

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1492.525+/-0.550 χ^2/NDF:1569.2/4

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1514.400+/-0.570 χ^2/NDF:2177.7/3

Left: 1503.054+/-0.396 χ^2/NDF: 4509.6/8

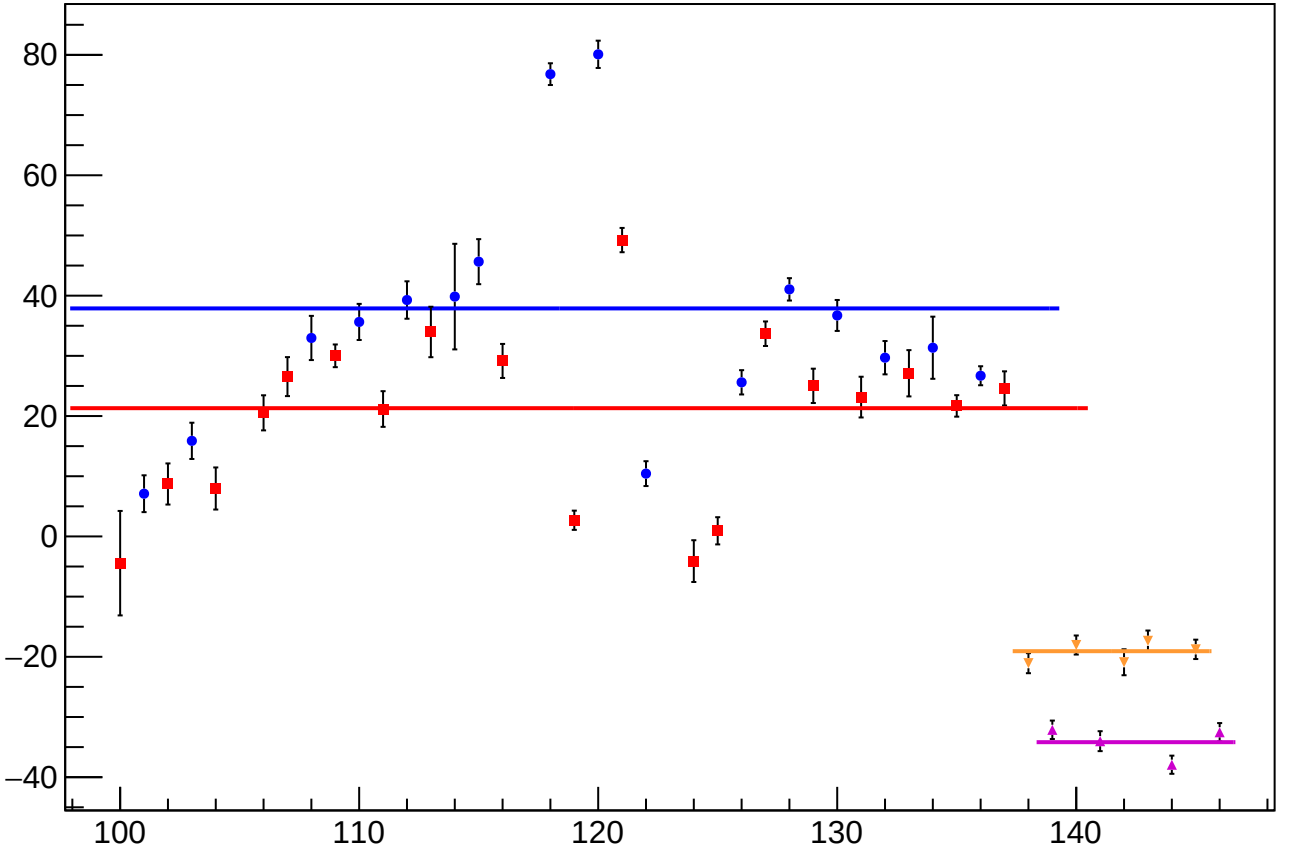
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1715.273+/-0.372 χ^2/NDF:301487.6/19

Out: 1694.991+/-0.361 χ^2/NDF:315024.7/23

All: 1704.811+/-0.259 χ^2/NDF: 618042.9/43

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -19.066+/-0.767 χ^2/NDF:3.6/4

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -34.182+/-0.776 χ^2/NDF:9.2/3

Left: -26.534+/-0.545 χ^2/NDF: 204.9/8

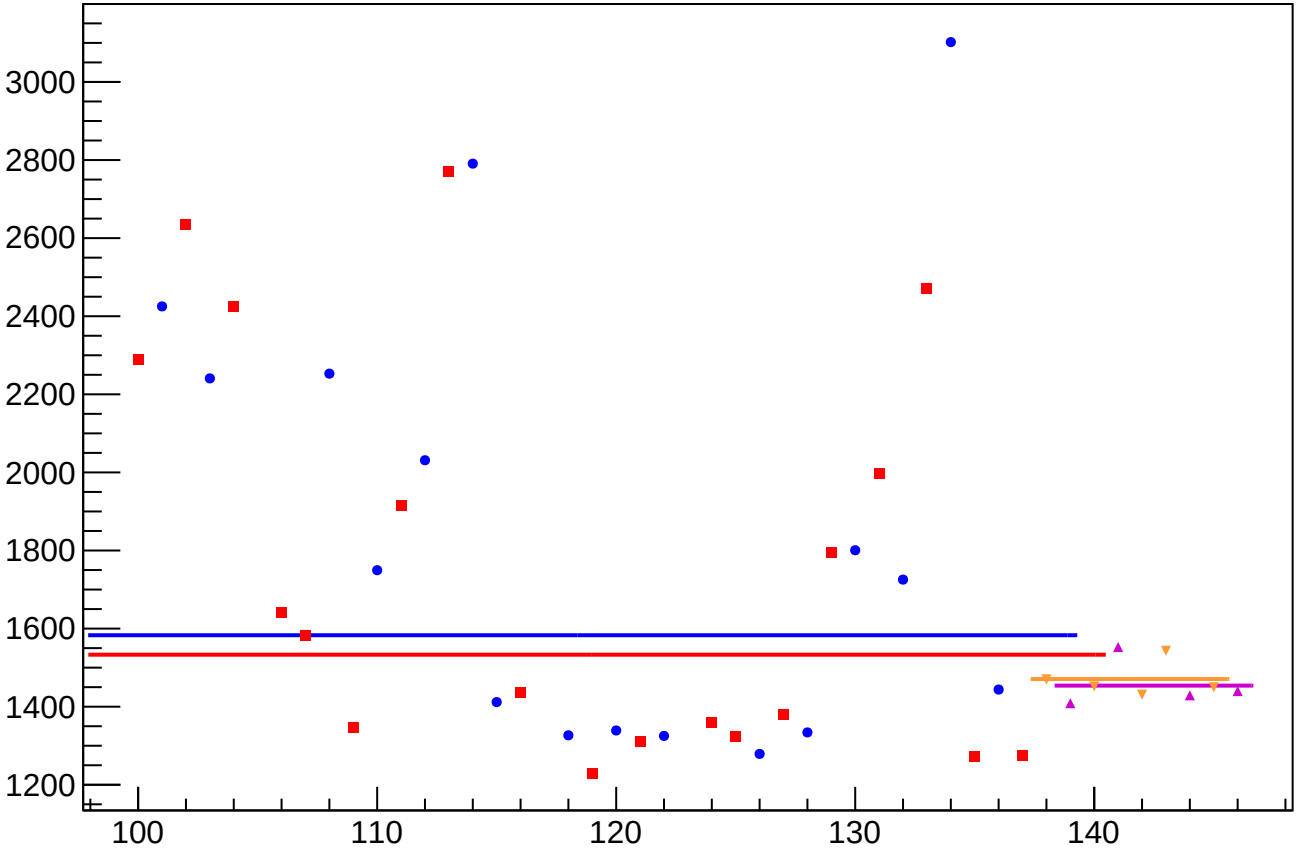
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 9.662+/-0.485 χ^2/NDF:6508.9/19

Out: 6.195+/-0.469 χ^2/NDF:2321.5/23

All: 7.868+/-0.337 χ^2/NDF: 8856.8/43

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1470.832+/-0.542 χ^2/NDF:4900.4/4

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1453.975+/-0.549 χ^2/NDF:9566.6/3

Left: 1462.503+/-0.386 χ^2/NDF: 14944.7/8

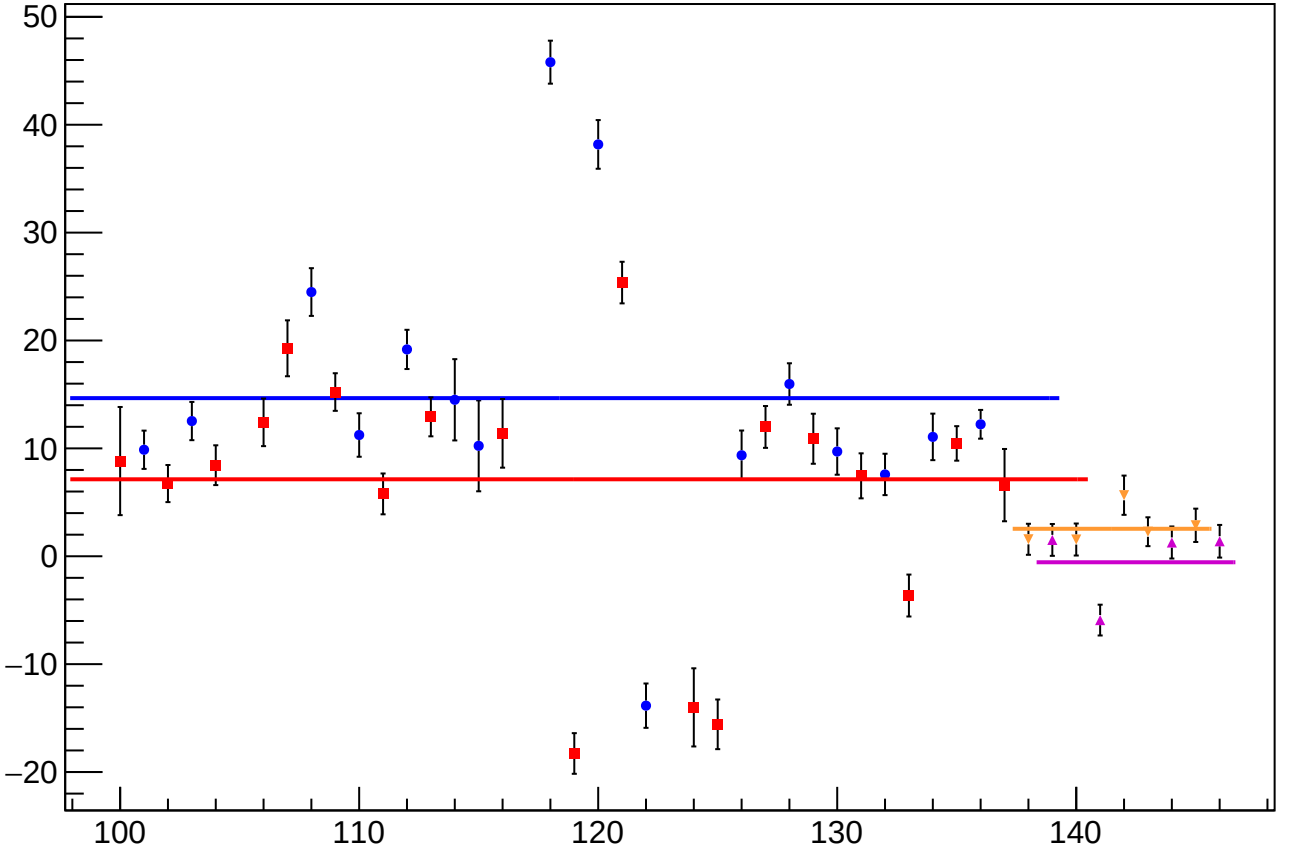
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1532.505+/-0.343 χ^2/NDF:830925.5/19

Out: 1509.849+/-0.332 χ^2/NDF:963957.6/23

All: 1520.787+/-0.239 χ^2/NDF: 1797136.2/43

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.547+/-0.671 χ^2/NDF:3.9/4

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -0.556+/-0.737 χ^2/NDF:19.2/3

Left: 1.140+/-0.497 χ^2/NDF: 32.8/8

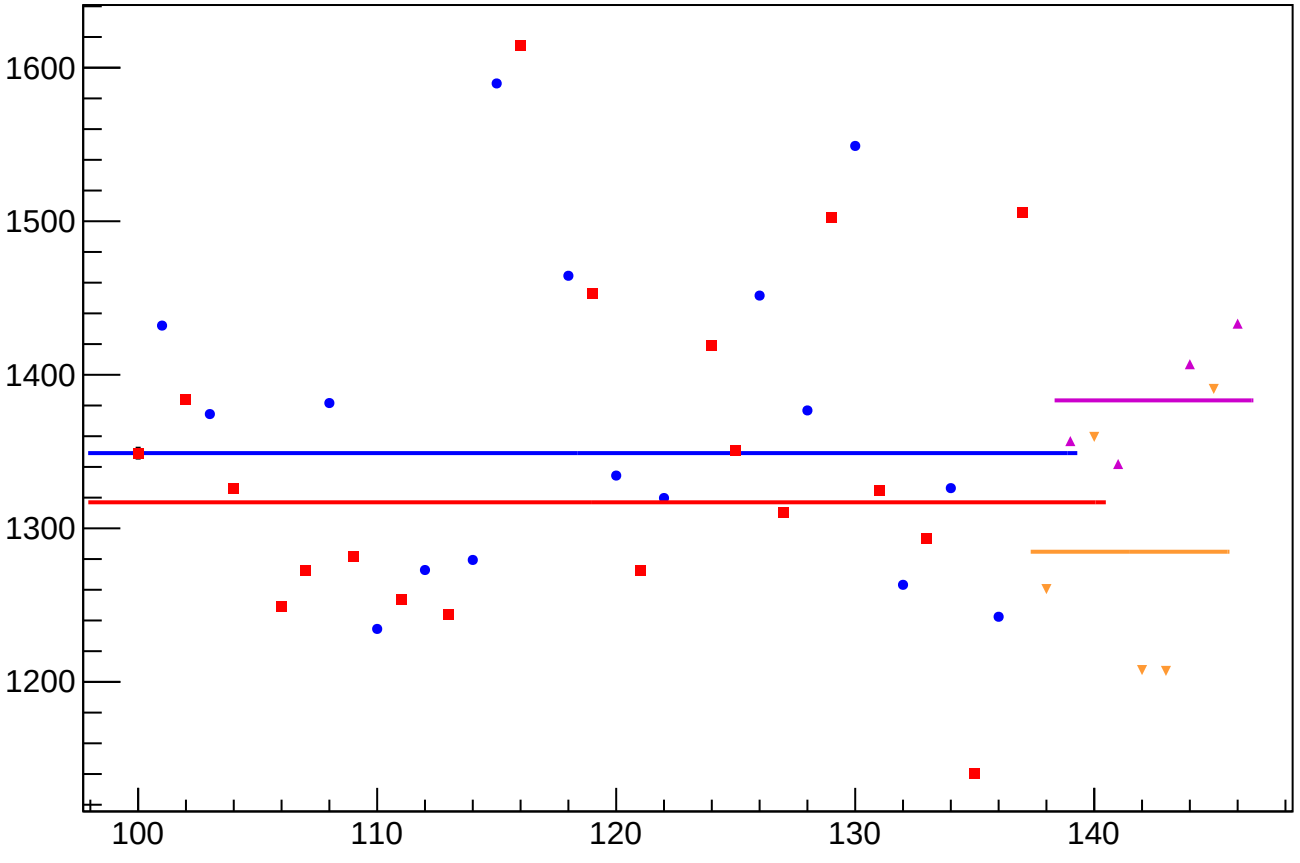
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 9.808+/-0.416 χ^2/NDF:924.0/19

Out: 5.570+/-0.392 χ^2/NDF:544.1/23

All: 7.562+/-0.285 χ^2/NDF: 1522.9/43

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1284.772+/-0.475 χ^2/NDF:25402.6/4

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1383.334+/-0.521 χ^2/NDF:5012.2/3

Left: 1329.448+/-0.351 χ^2/NDF: 49946.4/8

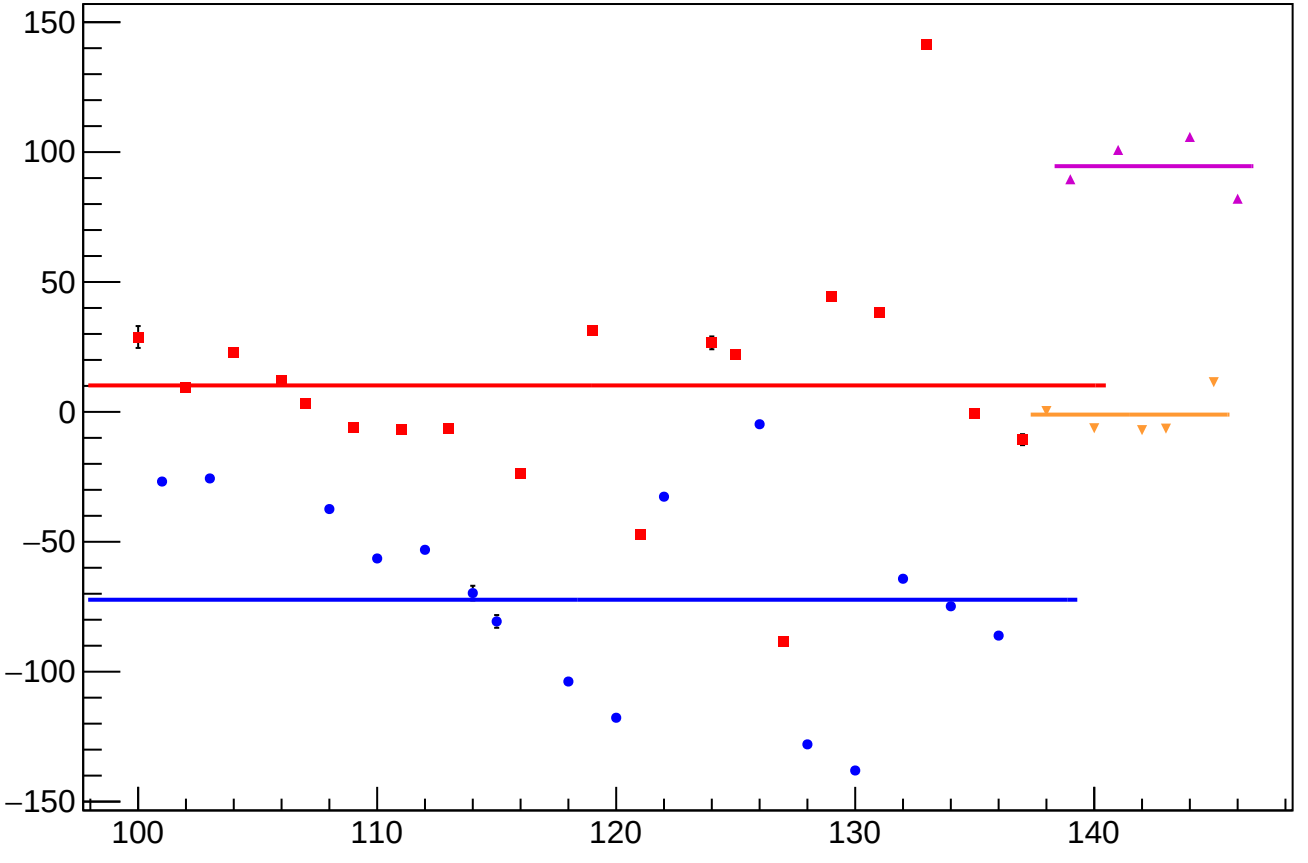
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1359.946+/-0.294 χ^2/NDF:76349.1/19

Out: 1305.980+/-0.277 χ^2/NDF:115304.2/23

All: 1331.350+/-0.202 χ^2/NDF: 209455.0/43

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -1.039+/-0.485 χ^2/NDF:216.7/4

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 94.581+/-0.497 χ^2/NDF:344.5/3

Left: 45.524+/-0.347 χ^2/NDF: 19518.6/8

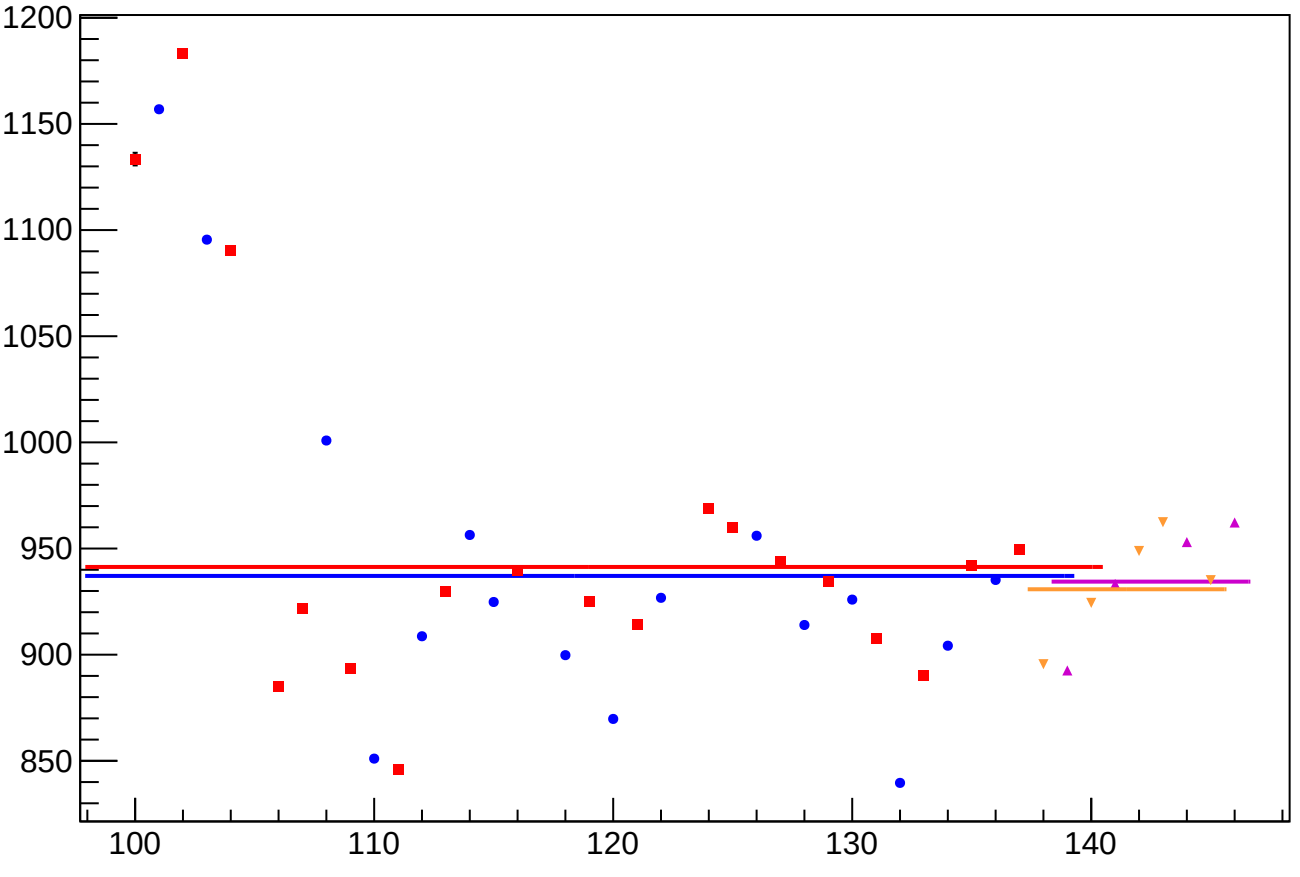
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: -17.158+/-0.286 χ^2/NDF:87859.4/19

Out: 6.419+/-0.281 χ^2/NDF:19619.1/23

All: -5.156+/-0.200 χ^2/NDF: 110939.5/43

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 930.812+/-0.343 χ^2/NDF:4614.5/4

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 934.408+/-0.352 χ^2/NDF:5917.5/3

Left: 932.563+/-0.245 χ^2/NDF: 10585.6/8

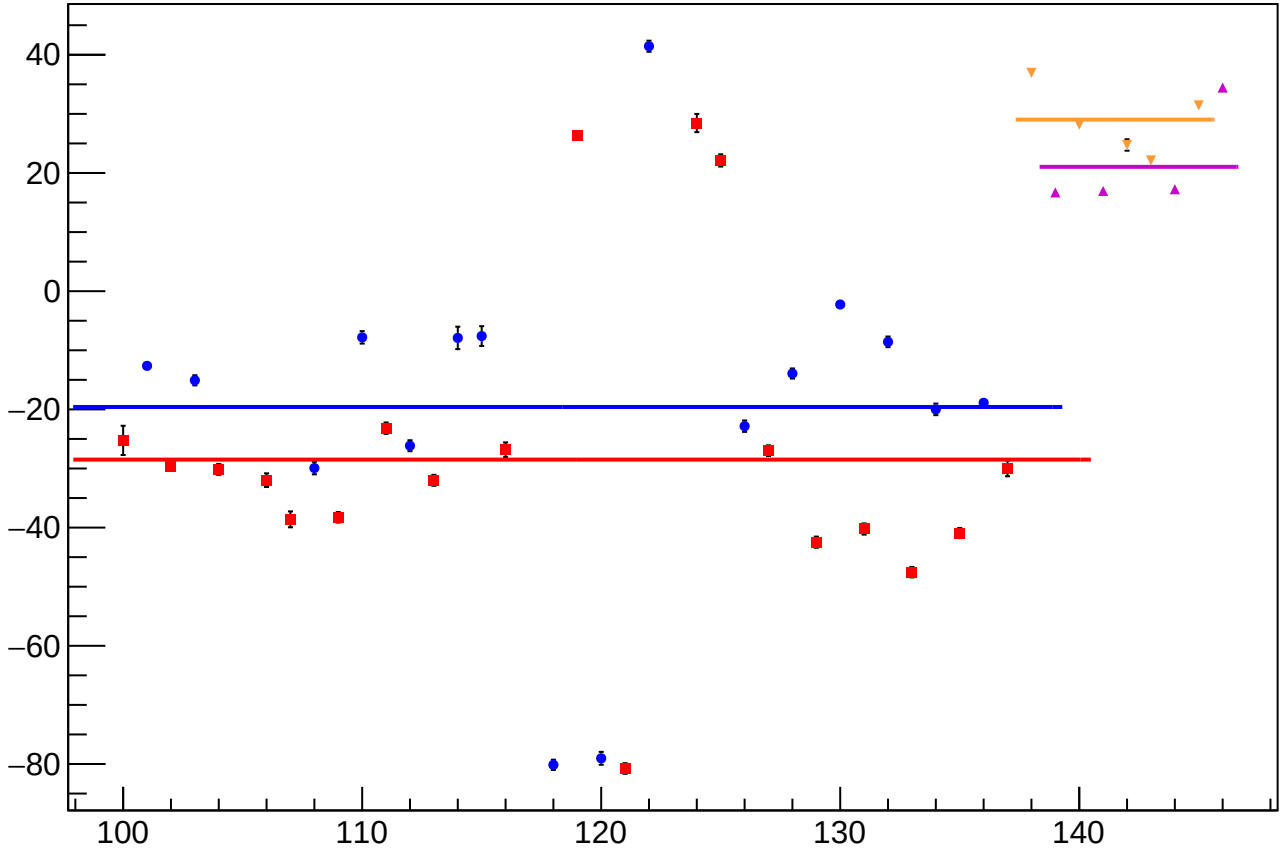
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 936.209+/-0.202 χ^2/NDF:110617.0/19

Out: 937.794+/-0.199 χ^2/NDF:106270.7/23

All: 937.016+/-0.142 χ^2/NDF: 216919.0/43

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 29.032+/-0.334 χ^2/NDF:248.4/4

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 21.040+/-0.349 χ^2/NDF:446.4/3

Left: 25.215+/-0.241 χ^2/NDF: 968.1/8

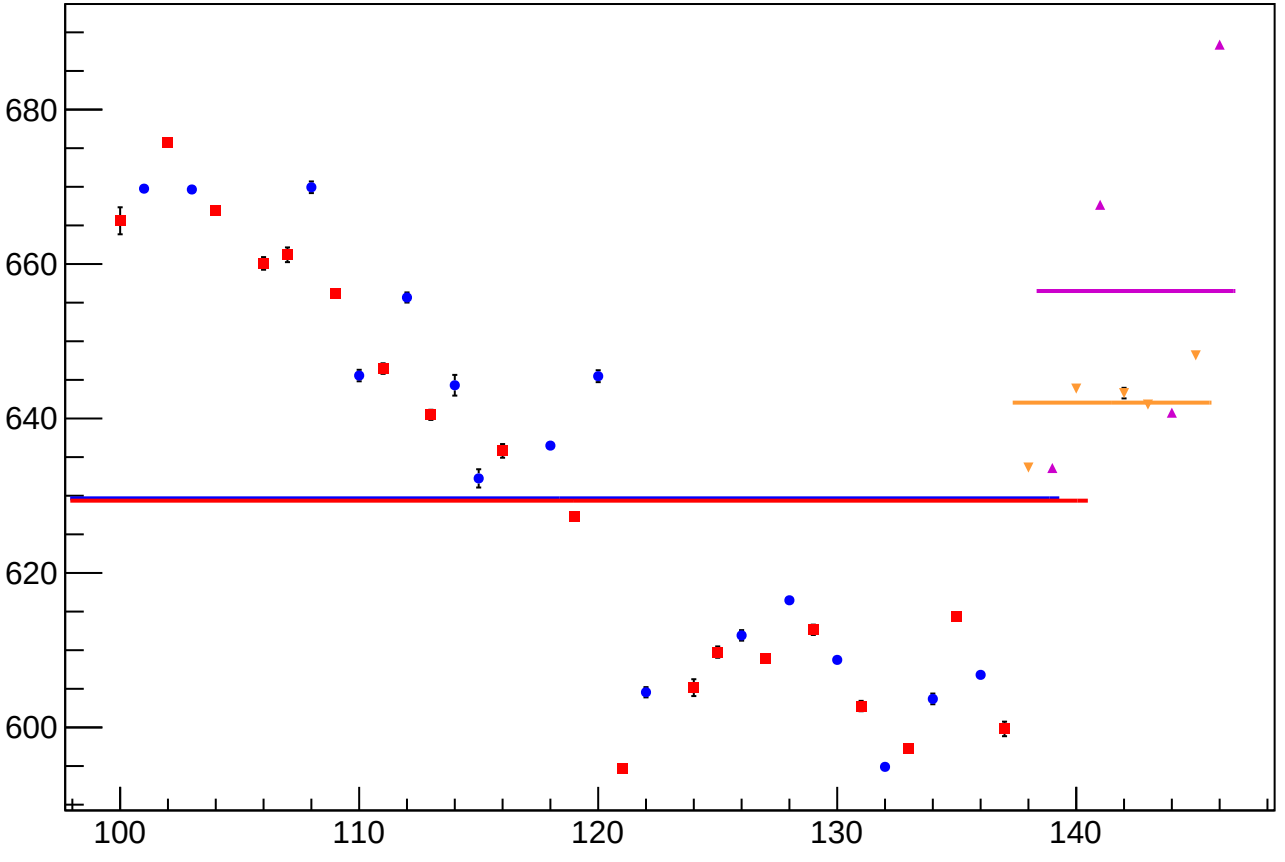
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -7.011+/-0.194 χ^2/NDF:22952.6/19

Out: -10.036+/-0.189 χ^2/NDF:33350.8/23

All: -8.565+/-0.136 χ^2/NDF: 56427.8/43

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 642.055+/-0.236 χ^2/NDF:436.2/4

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 656.508+/-0.247 χ^2/NDF:7672.0/3

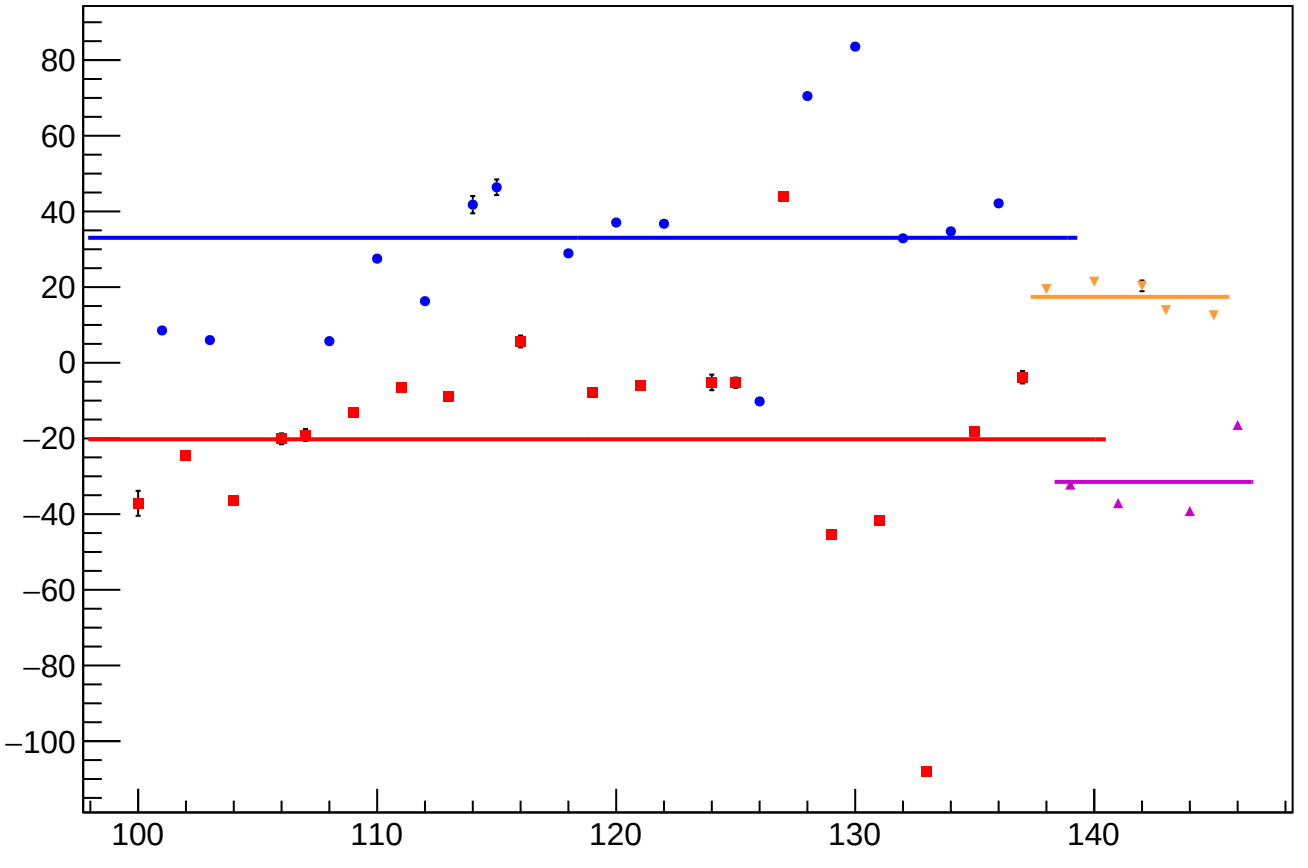
Left: 648.958+/-0.171 χ^2/NDF: 9895.6/8

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 637.975+/-0.138 χ^2/NDF:41137.5/19

Out: 633.434+/-0.134 χ^2/NDF:29187.7/23

All: 635.643+/-0.096 χ^2/NDF: 70885.3/43



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.422+/-0.510 χ^2/NDF:50.8/4

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -31.481+/-0.524 χ^2/NDF:281.6/3

Left: -6.400+/-0.365 χ^2/NDF: 4806.9/8

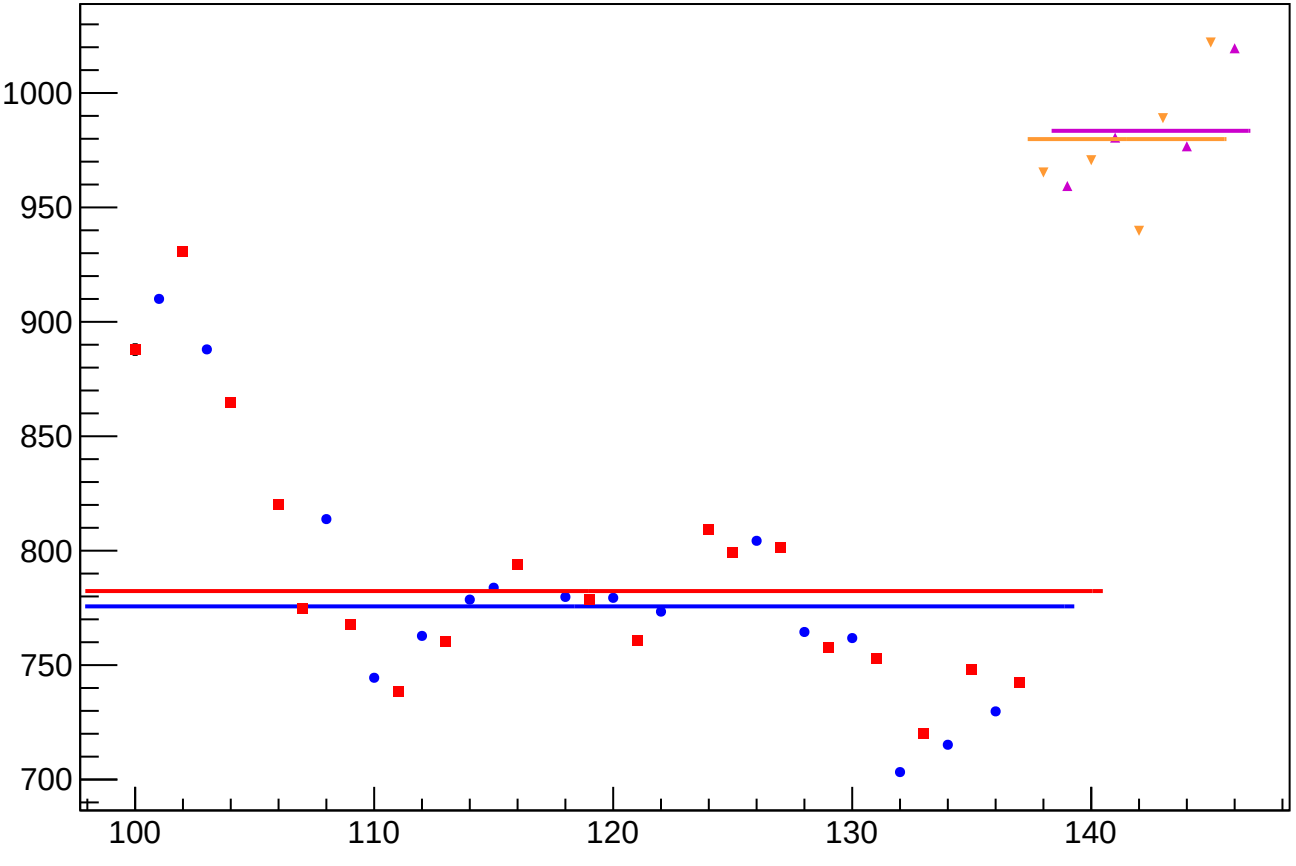
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 17.974+/-0.253 χ^2/NDF:18621.3/19

Out: -11.220+/-0.249 χ^2/NDF:16060.9/23

All: 3.174+/-0.178 χ^2/NDF: 41434.9/43

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 979.859+/-0.361 χ^2/NDF:5019.6/4

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 983.476+/-0.370 χ^2/NDF:3425.9/3

Left: 981.621+/-0.258 χ^2/NDF: 8494.4/8

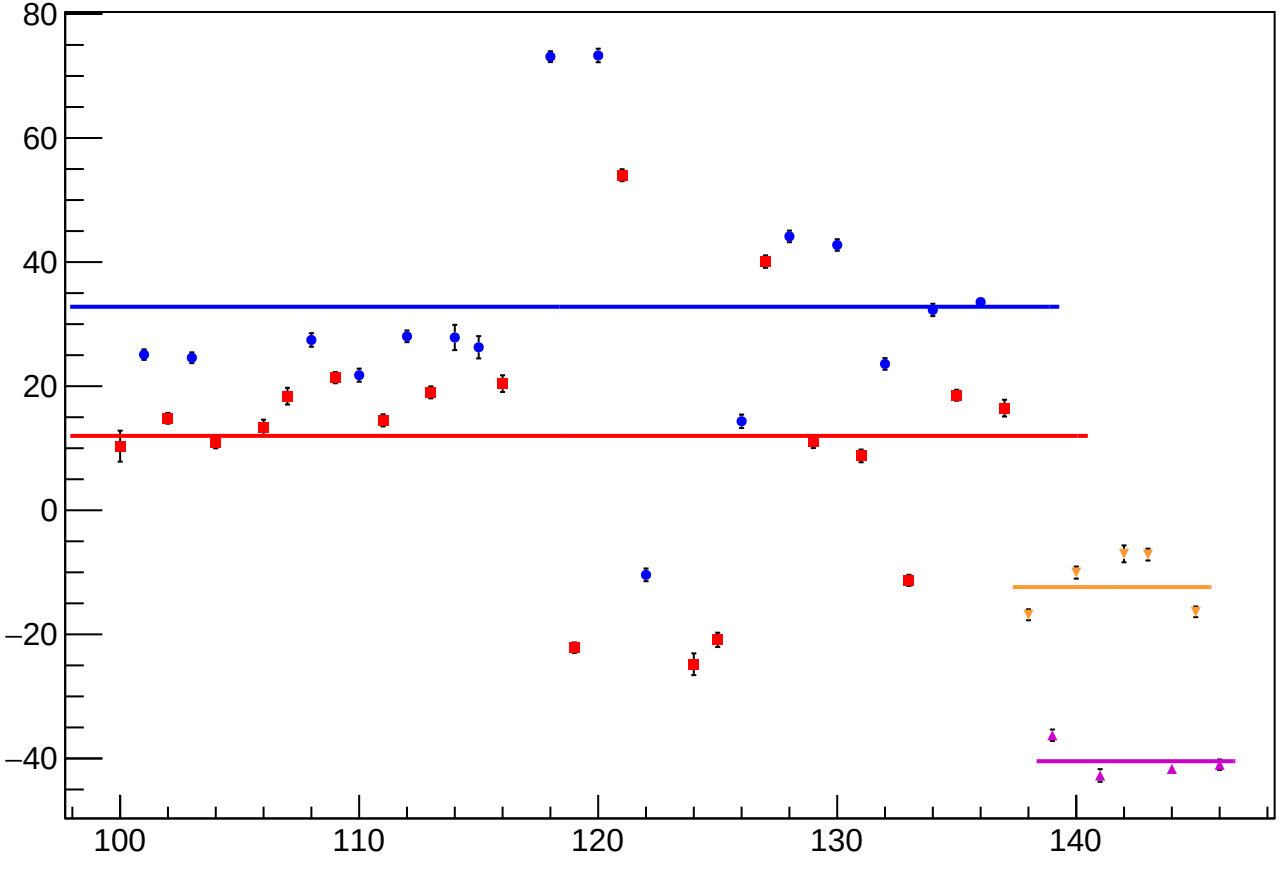
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 824.172+/-0.179 χ^2/NDF:319632.2/19

Out: 829.562+/-0.176 χ^2/NDF:297604.7/23

All: 826.905+/-0.126 χ^2/NDF: 617697.2/43

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -12.375+/-0.434 χ^2/NDF:98.2/4

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -40.441+/-0.443 χ^2/NDF:28.5/3

Left: -26.118+/-0.310 χ^2/NDF: 2176.4/8

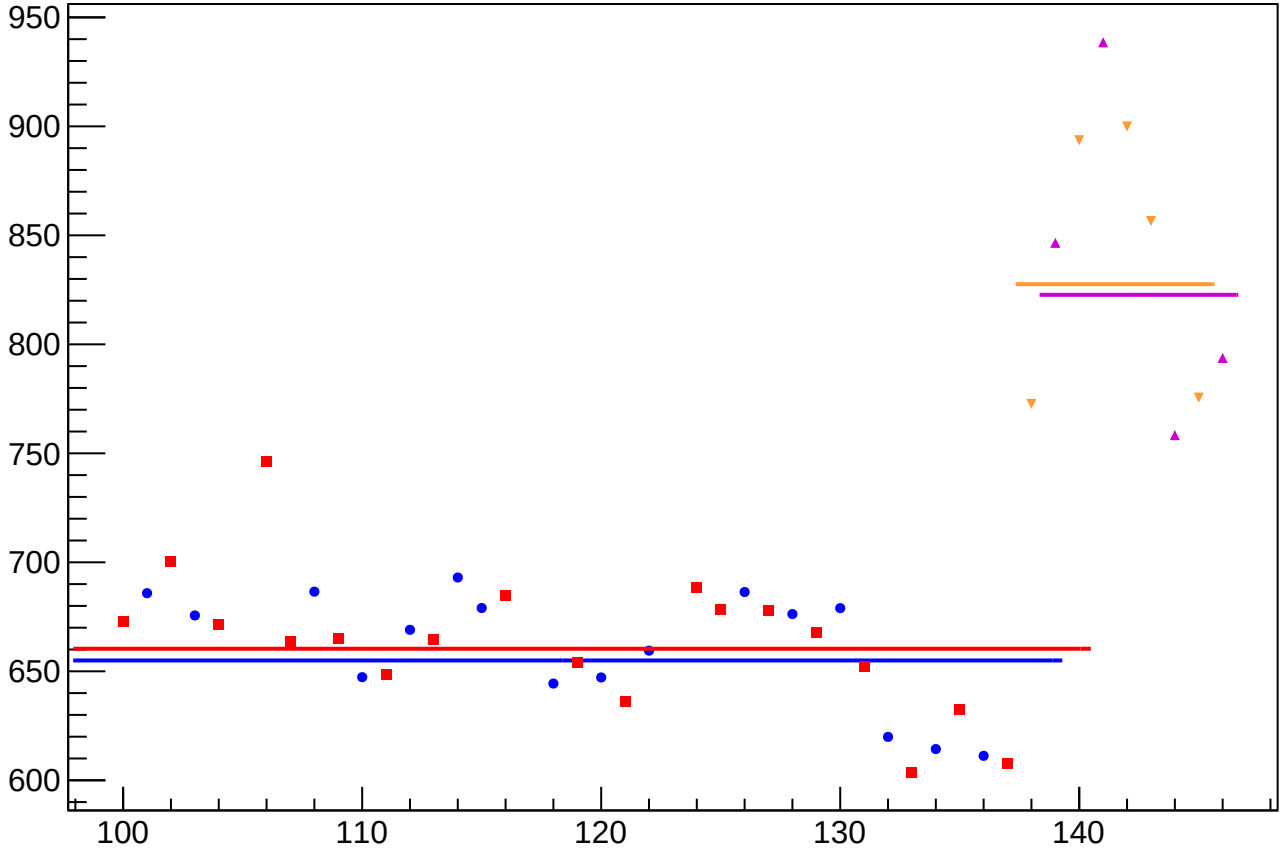
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 15.798+/-0.213 χ^2/NDF:27291.5/19

Out: 6.242+/-0.211 χ^2/NDF:9068.6/23

All: 10.961+/-0.150 χ^2/NDF: 37375.3/43

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 827.591+/-0.307 χ^2/NDF:31669.8/4

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 822.715+/-0.313 χ^2/NDF:42284.5/3

Left: 825.203+/-0.219 χ^2/NDF: 74078.0/8

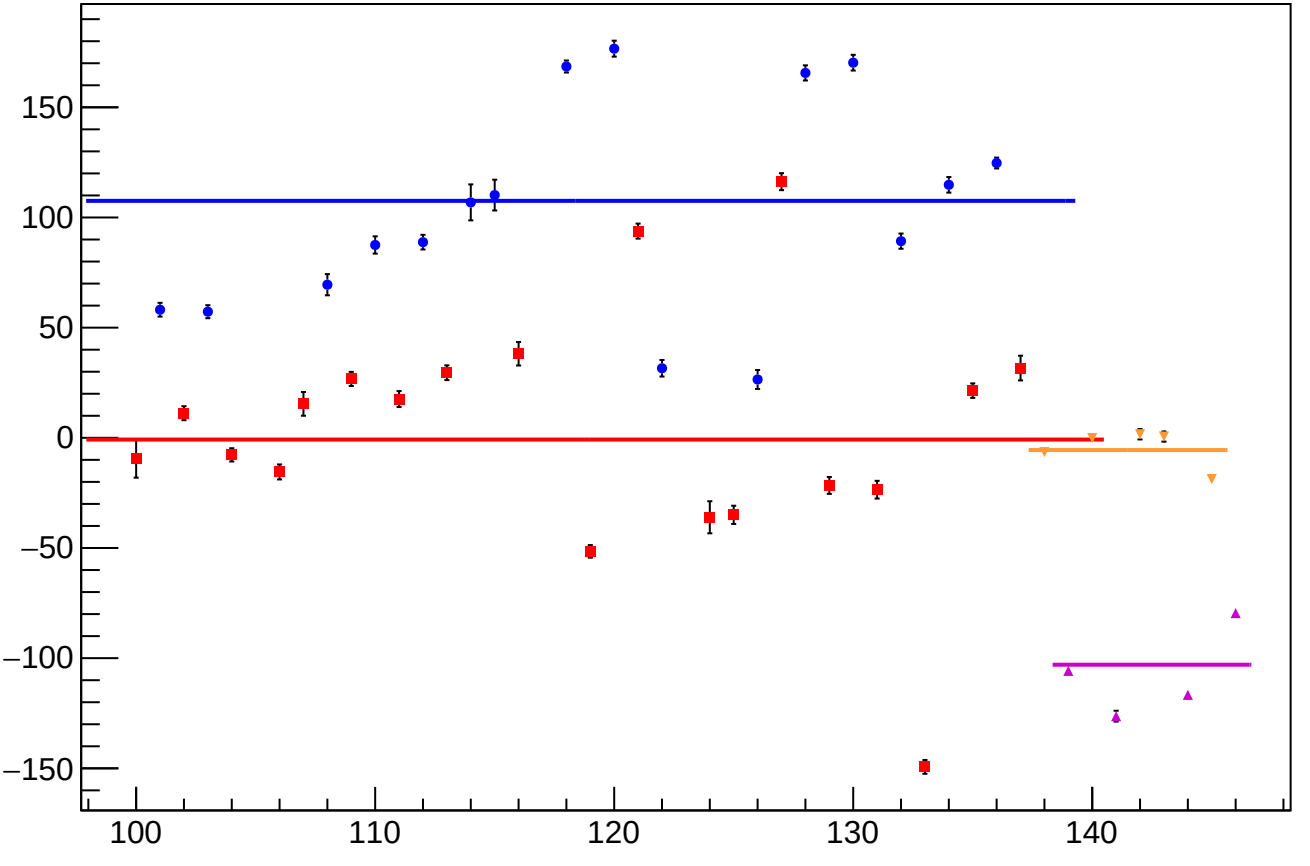
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 693.915+/-0.151 χ^2/NDF:289359.8/19

Out: 699.827+/-0.149 χ^2/NDF:289156.0/23

All: 696.908+/-0.106 χ^2/NDF: 579292.8/43

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -5.549+/-0.982 χ^2/NDF:67.9/4

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -102.982+/-0.954 χ^2/NDF:358.4/3

Left: -55.650+/-0.684 χ^2/NDF: 5489.4/8

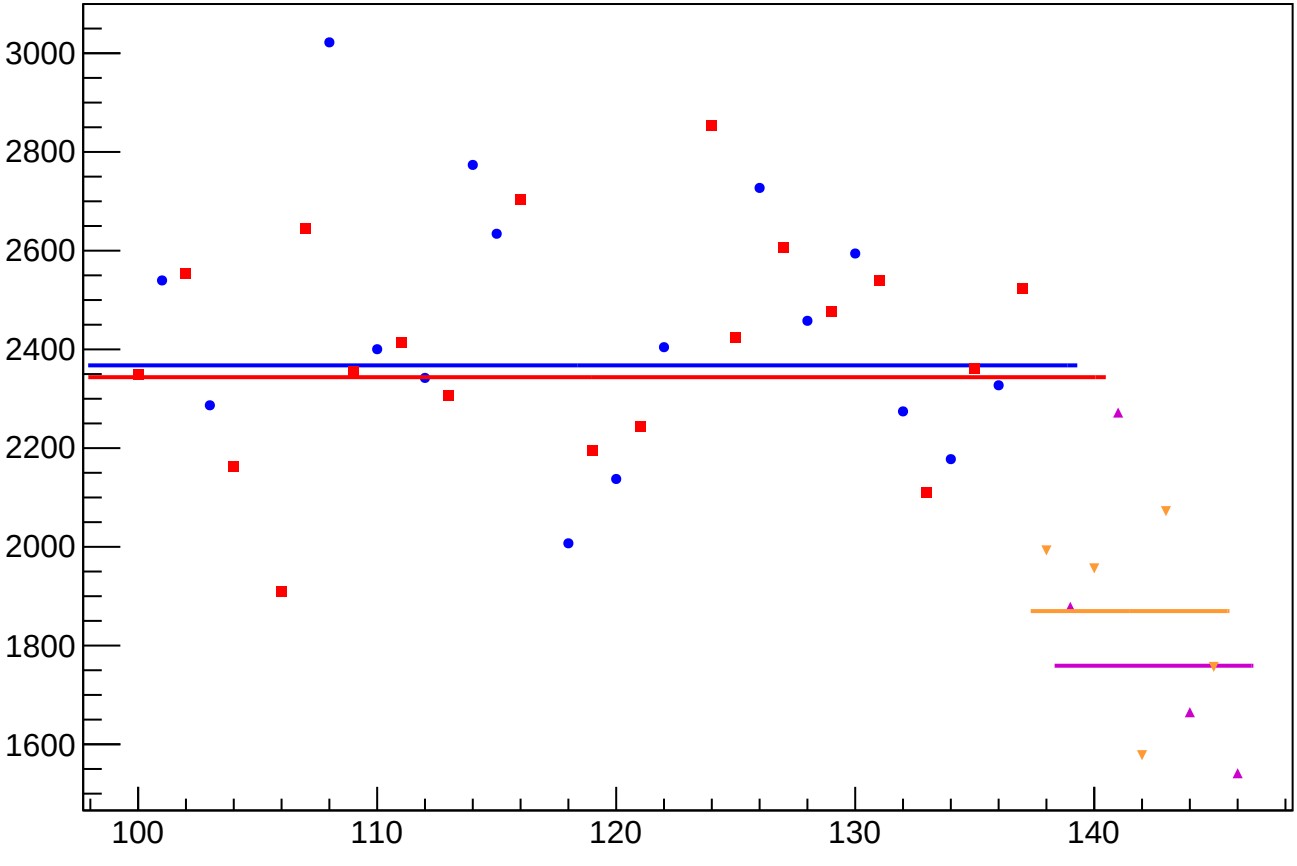
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: 10.172+/-0.649 χ^2/NDF:29468.8/19

Out: -2.857+/-0.647 χ^2/NDF:4845.1/23

All: 3.640+/-0.458 χ^2/NDF: 34515.9/43

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1869.853+/-0.694 χ^2/NDF:61464.0/4

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1759.155+/-0.675 χ^2/NDF:134721.3/3

Left: 1812.930+/-0.484 χ^2/NDF: 209256.5/8

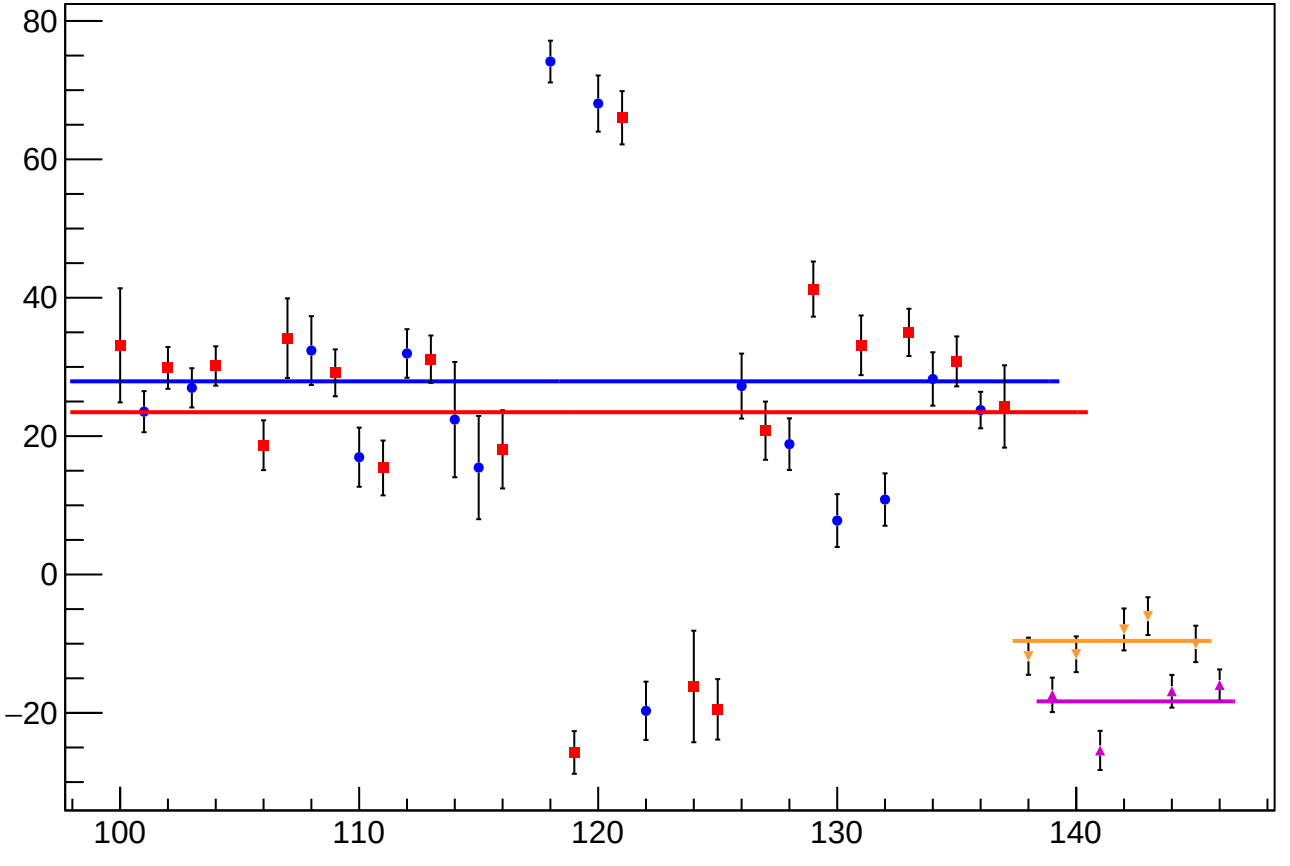
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2086.195+/-0.459 χ^2/NDF:698443.7/19

Out: 2137.782+/-0.458 χ^2/NDF:437098.3/23

All: 2112.059+/-0.324 χ^2/NDF: 1141876.2/43

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.596+/-1.217 χ^2/NDF:3.3/4

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -18.338+/-1.228 χ^2/NDF:7.9/3

Left: -13.927+/-0.864 χ^2/NDF: 36.8/8

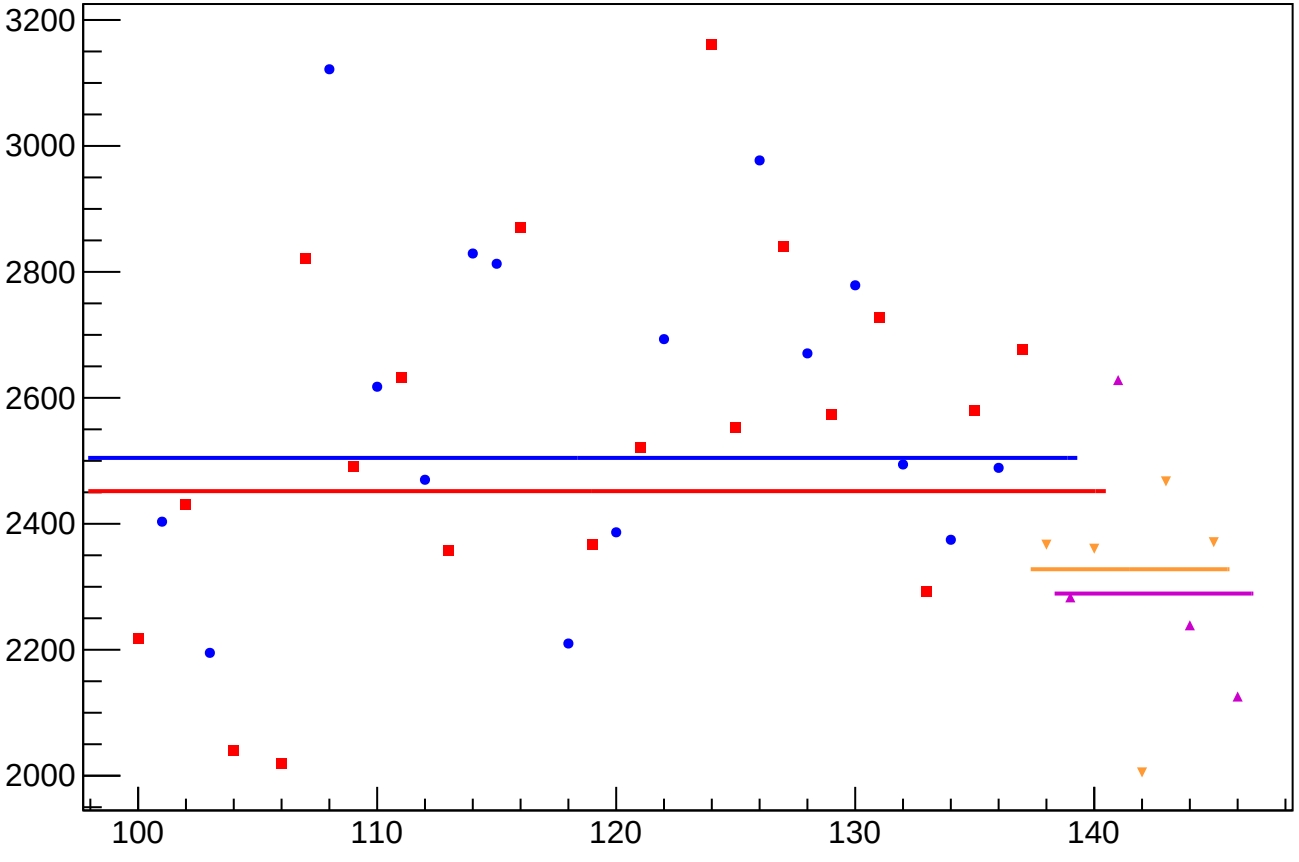
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 10.902+/-0.745 χ^2/NDF:1435.5/19

Out: 11.726+/-0.725 χ^2/NDF:1047.1/23

All: 11.325+/-0.519 χ^2/NDF: 2483.2/43

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2327.879+/-0.860 χ^2/NDF:29139.2/4

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2289.246+/-0.868 χ^2/NDF:40234.8/3

Left: 2308.739+/-0.611 χ^2/NDF: 70372.7/8

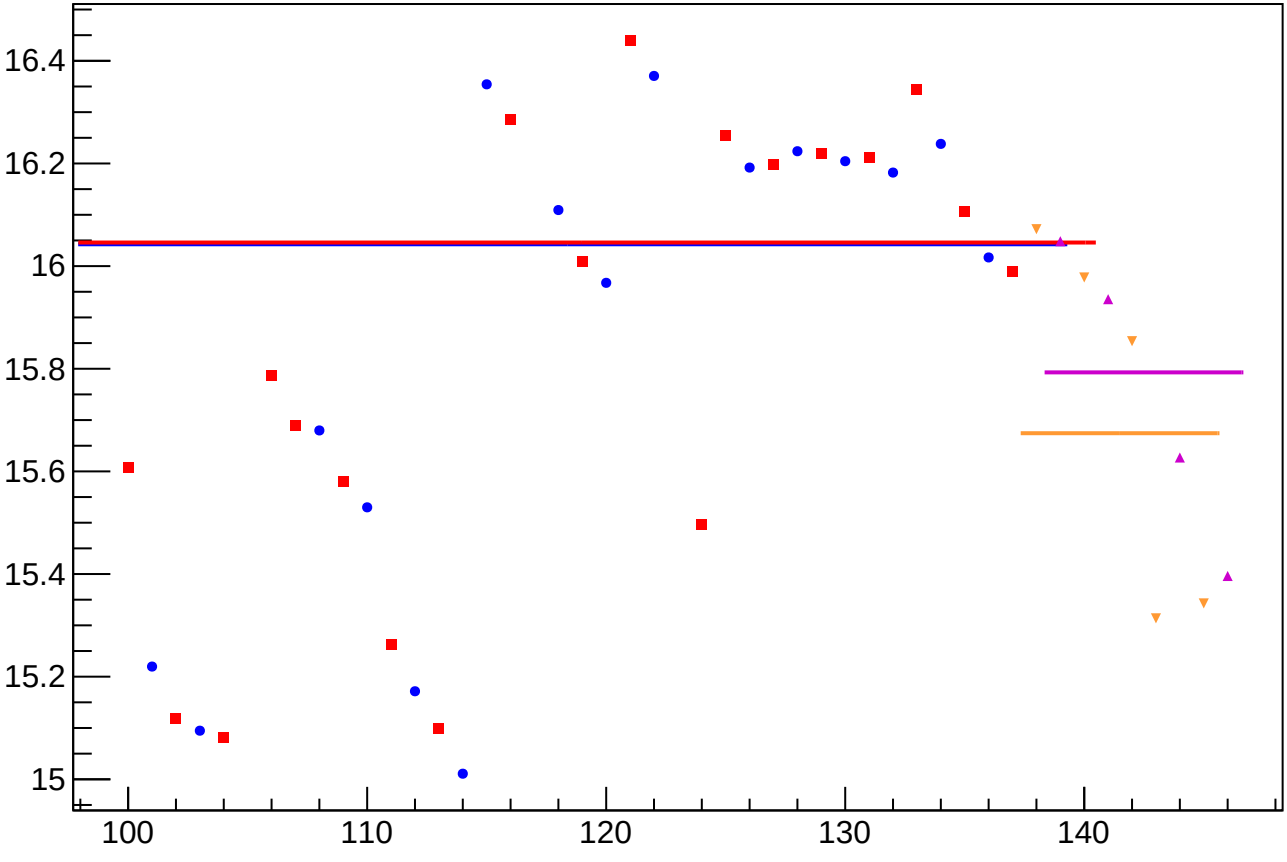
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2425.417+/-0.527 χ^2/NDF:205734.9/19

Out: 2407.868+/-0.513 χ^2/NDF:195773.3/23

All: 2416.406+/-0.367 χ^2/NDF: 402078.4/43

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.674+/-0.000 χ^2/NDF:4239495732.3/4

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.793+/-0.000 χ^2/NDF:1472343003.6/3

Left: 15.725+/-0.000 χ^2/NDF: 5940429302.9/8

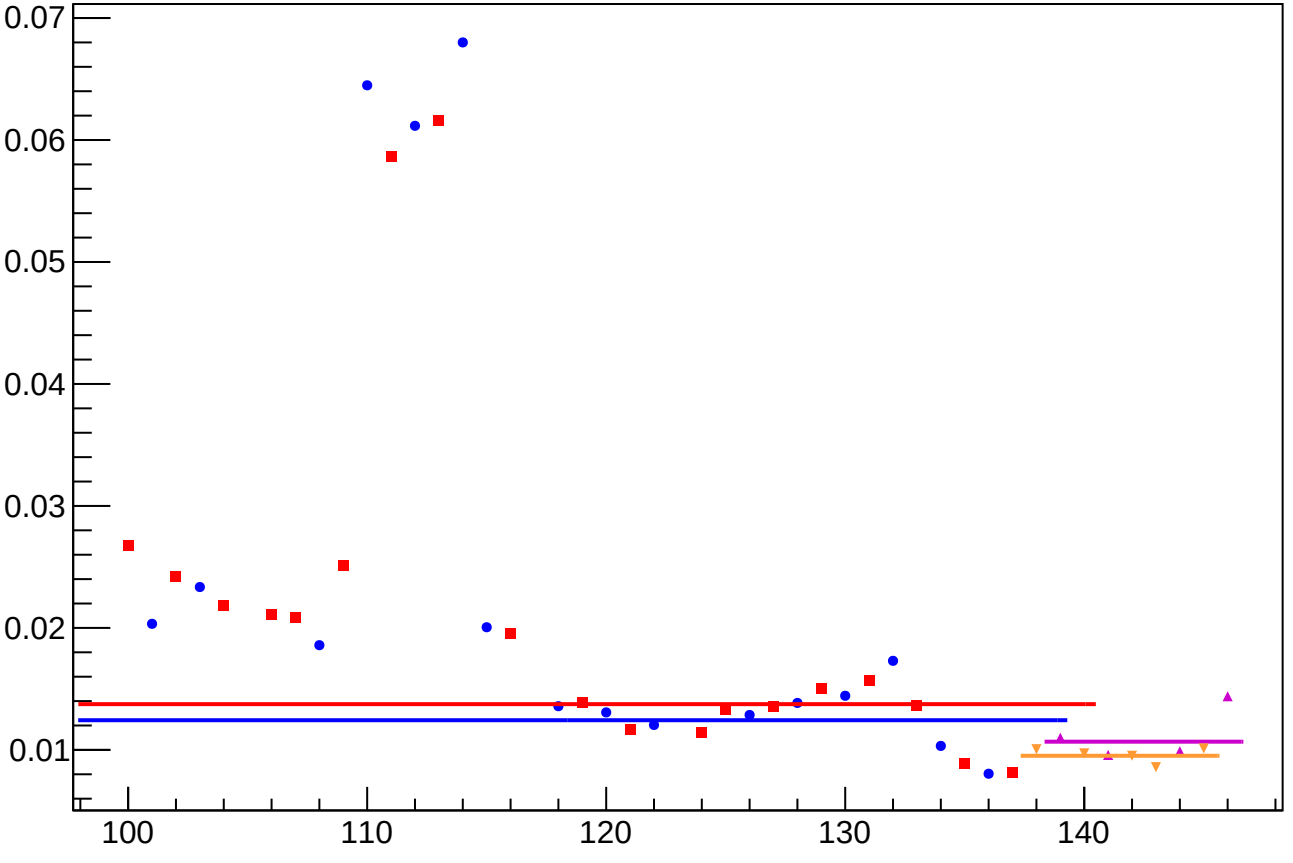
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.932+/-0.000 χ^2/NDF:5296504500.2/19

Out: 15.838+/-0.000 χ^2/NDF:10114411894.2/23

All: 15.884+/-0.000 χ^2/NDF: 15701169651.0

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:28612.2/4

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:141477.0/3

Left: 0.010+/-0.000 χ^2/NDF: 213453.2/8

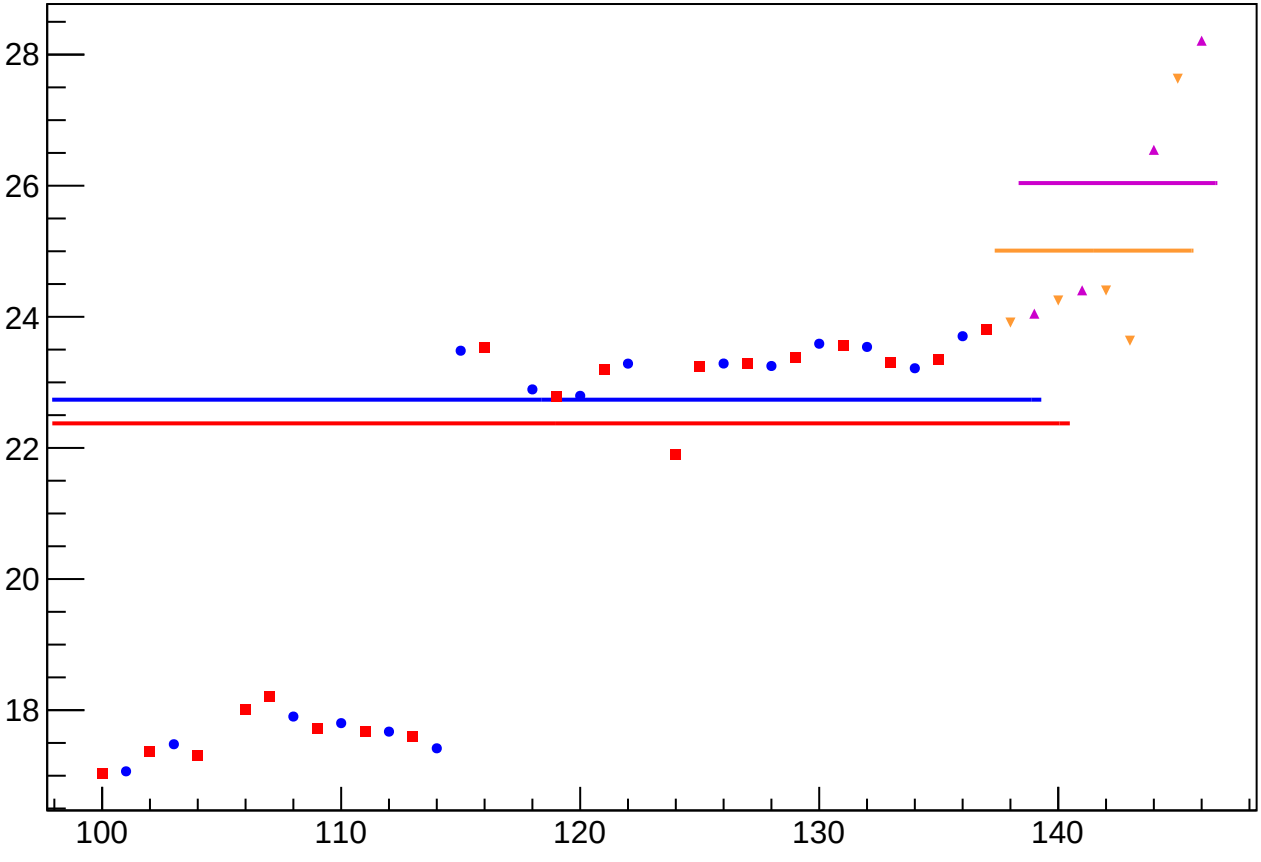
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2556069.3/19

Out: 0.011+/-0.000 χ^2/NDF:2861877.2/23

All: 0.012+/-0.000 χ^2/NDF: 5422719.2/43

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.010+/-0.000 χ^2/NDF:757974504.2/4

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.040+/-0.000 χ^2/NDF:526630200.9/3

Left: 25.468+/-0.000 χ^2/NDF: 1417092507.2/8

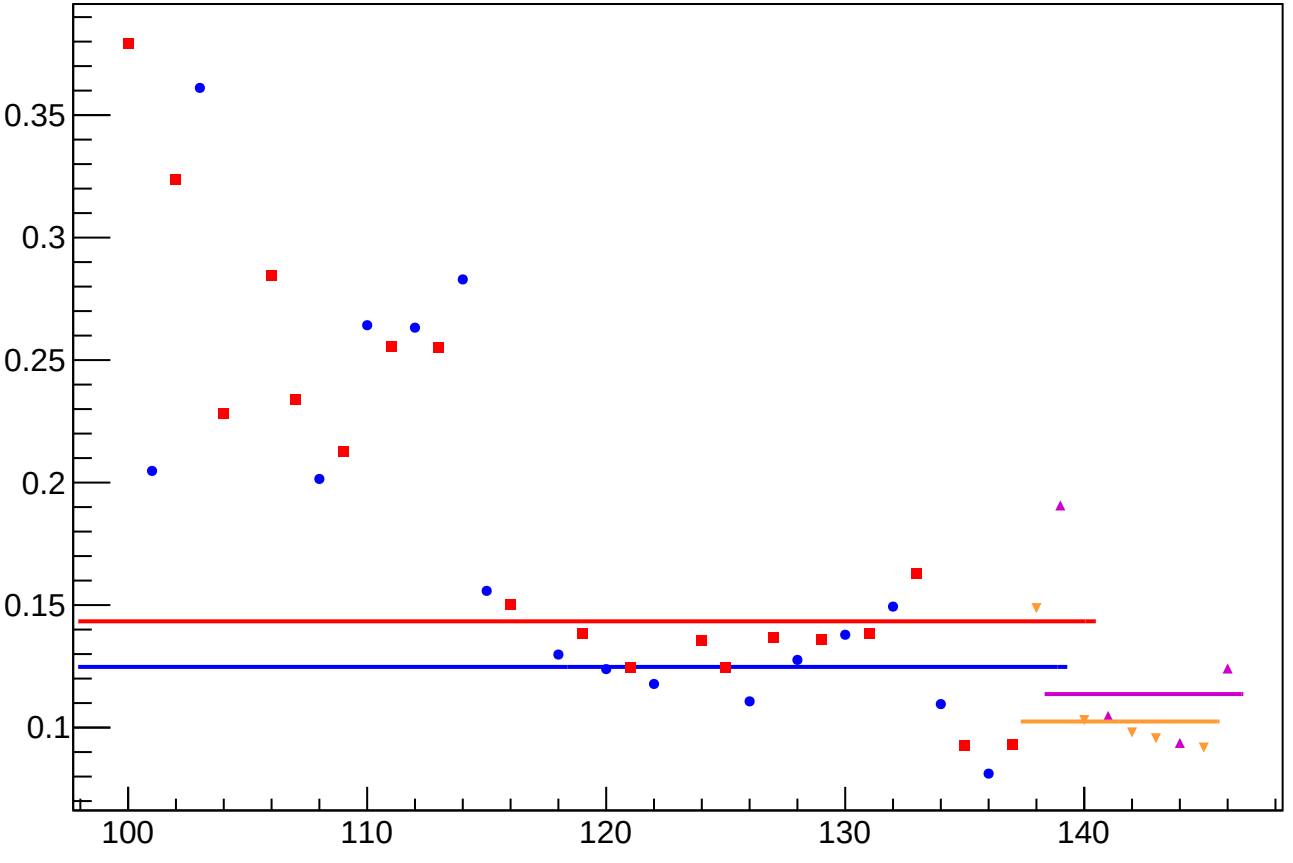
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.044+/-0.000 χ^2/NDF:3231604320.7/19

Out: 23.695+/-0.000 χ^2/NDF:2946053045.7/23

All: 23.871+/-0.000 χ^2/NDF: 6211987687.0/4

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.102+/-0.000 χ^2/NDF:160259.3/4

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.114+/-0.000 χ^2/NDF:363027.9/3

Left: 0.107+/-0.000 χ^2/NDF: 554590.4/8

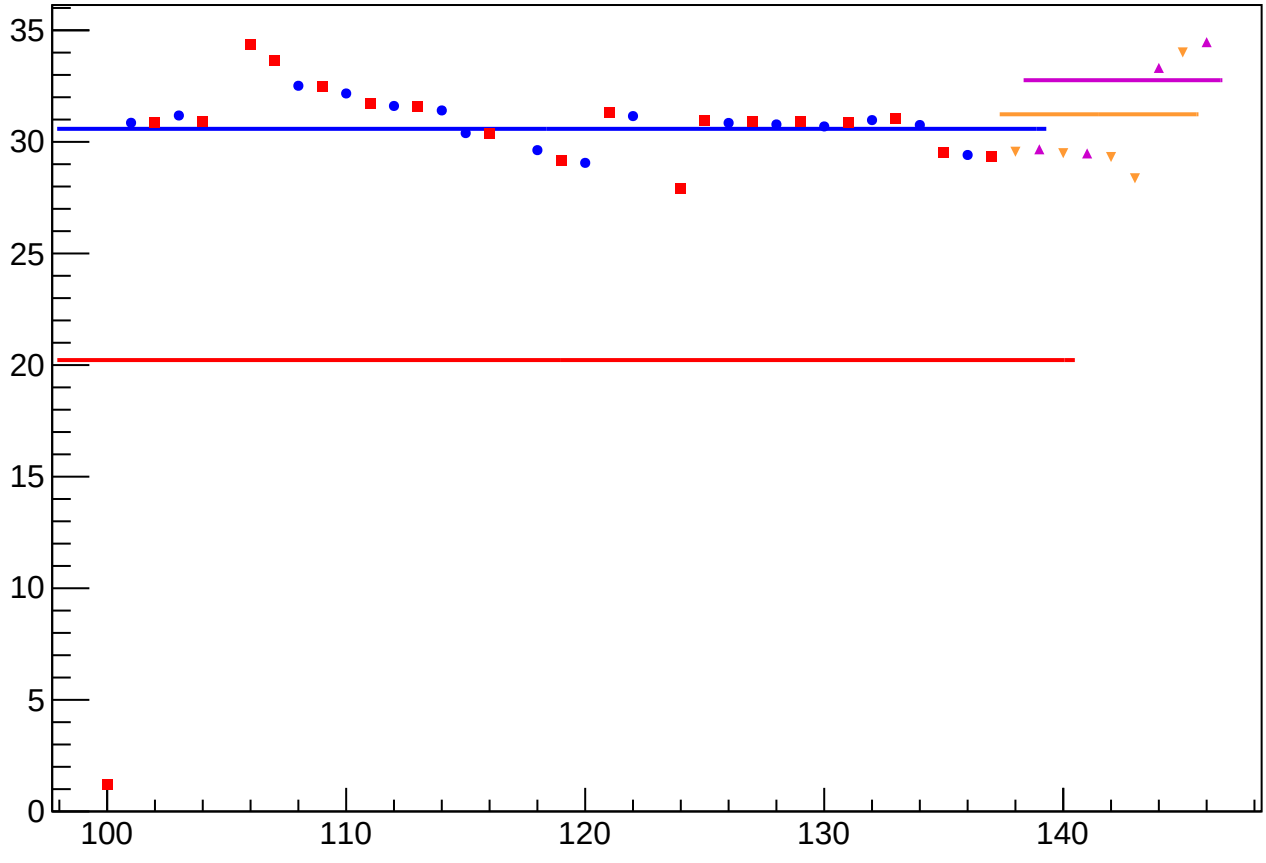
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.120+/-0.000 χ^2/NDF:2146295.7/19

Out: 0.123+/-0.000 χ^2/NDF:2198644.8/23

All: 0.122+/-0.000 χ^2/NDF: 4348498.1/43

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 31.236+/-0.000 χ^2/NDF:3933332899.9/4

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 32.763+/-0.000 χ^2/NDF:2625661433.0/3

Left: 32.032+/-0.000 χ^2/NDF: 7335937389.7/8

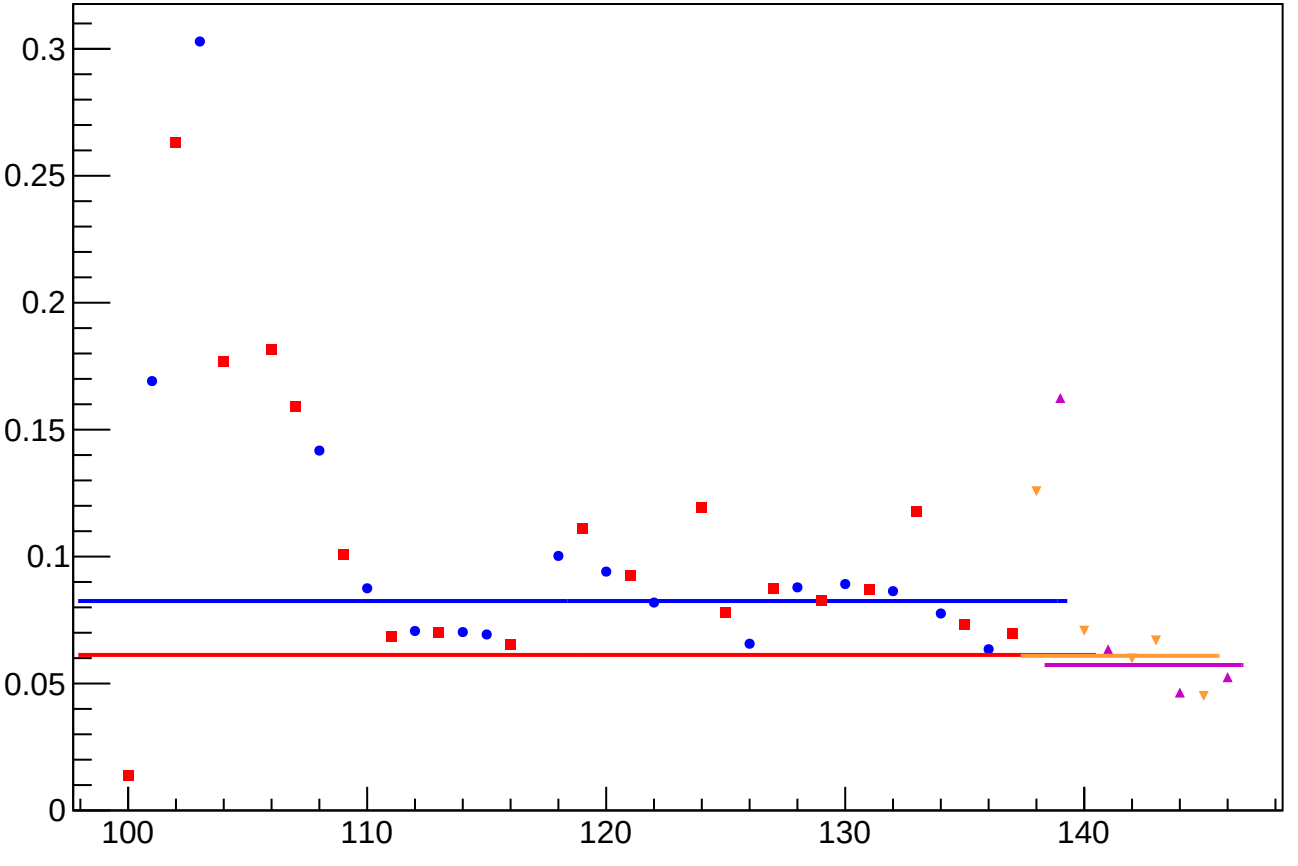
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.616+/-0.000 χ^2/NDF:5017483468.3/19

Out: 24.297+/-0.000 χ^2/NDF:274002302164.3/23

All: 27.662+/-0.000 χ^2/NDF: 321550608460.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.061+/-0.000 χ^2/NDF:516737.7/4

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.057+/-0.000 χ^2/NDF:783195.3/3

Left: 0.059+/-0.000 χ^2/NDF: 1308657.6/8

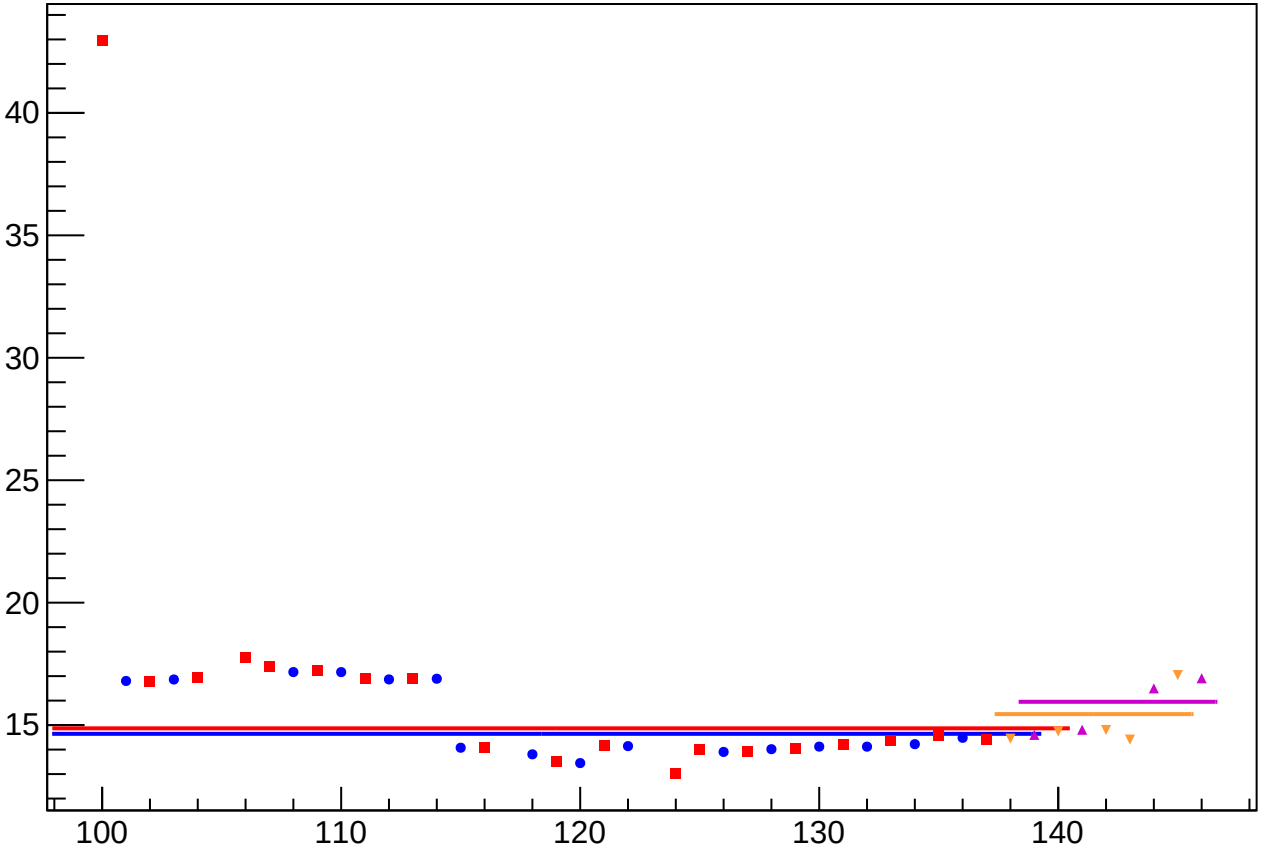
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2510015.2/19

Out: 0.061+/-0.000 χ^2/NDF:4531139.6/23

All: 0.065+/-0.000 χ^2/NDF: 7182422.9/43

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.448+/-0.000 χ^2/NDF:888663647.3/4

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.952+/-0.000 χ^2/NDF:500888432.6/3

Left: 15.685+/-0.000 χ^2/NDF: 1465687108.6/8

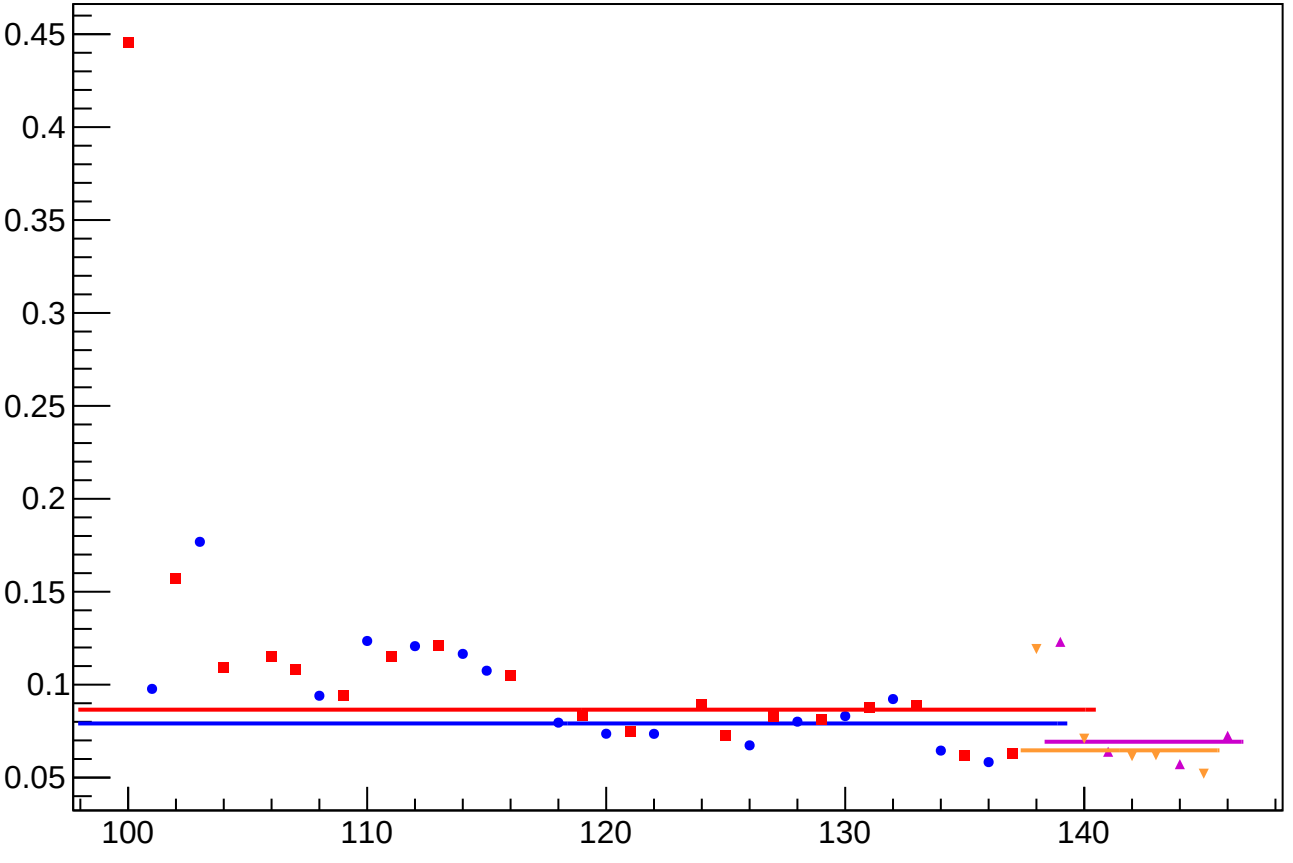
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.136+/-0.000 χ^2/NDF:2298122064.8/19

Out: 15.122+/-0.000 χ^2/NDF:2739747537.7/23

All: 15.129+/-0.000 χ^2/NDF: 5038006468.4/4

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.065+/-0.000 χ^2/NDF:383397.7/4

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:385579.5/3

Left: 0.067+/-0.000 χ^2/NDF: 781829.7/8

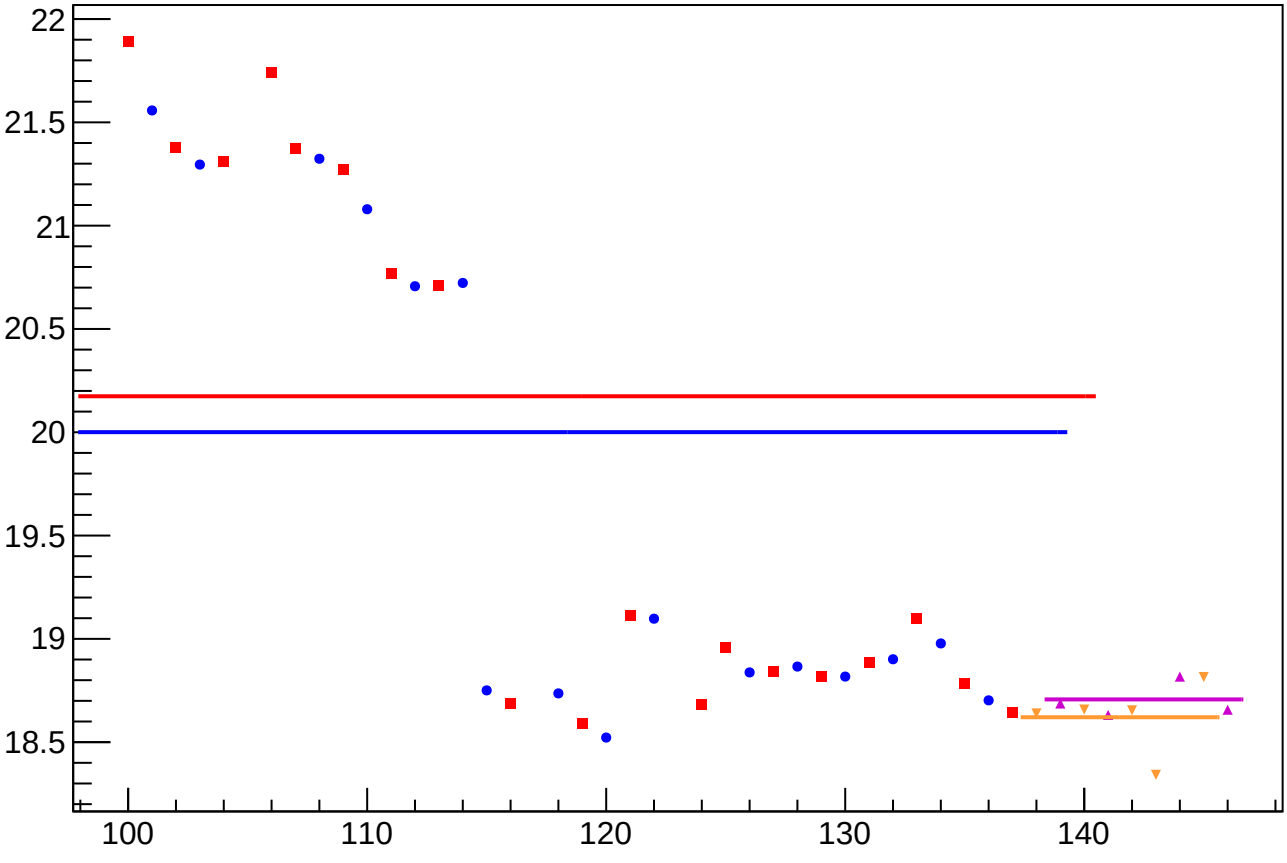
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.075+/-0.000 χ^2/NDF:1372134.6/19

Out: 0.077+/-0.000 χ^2/NDF:1521277.2/23

All: 0.076+/-0.000 χ^2/NDF: 2896871.6/43

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.621+/-0.000 χ^2/NDF:103896077.7/4

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.707+/-0.000 χ^2/NDF:17546995.5/3

Left: 18.660+/-0.000 χ^2/NDF: 133082063.3/8

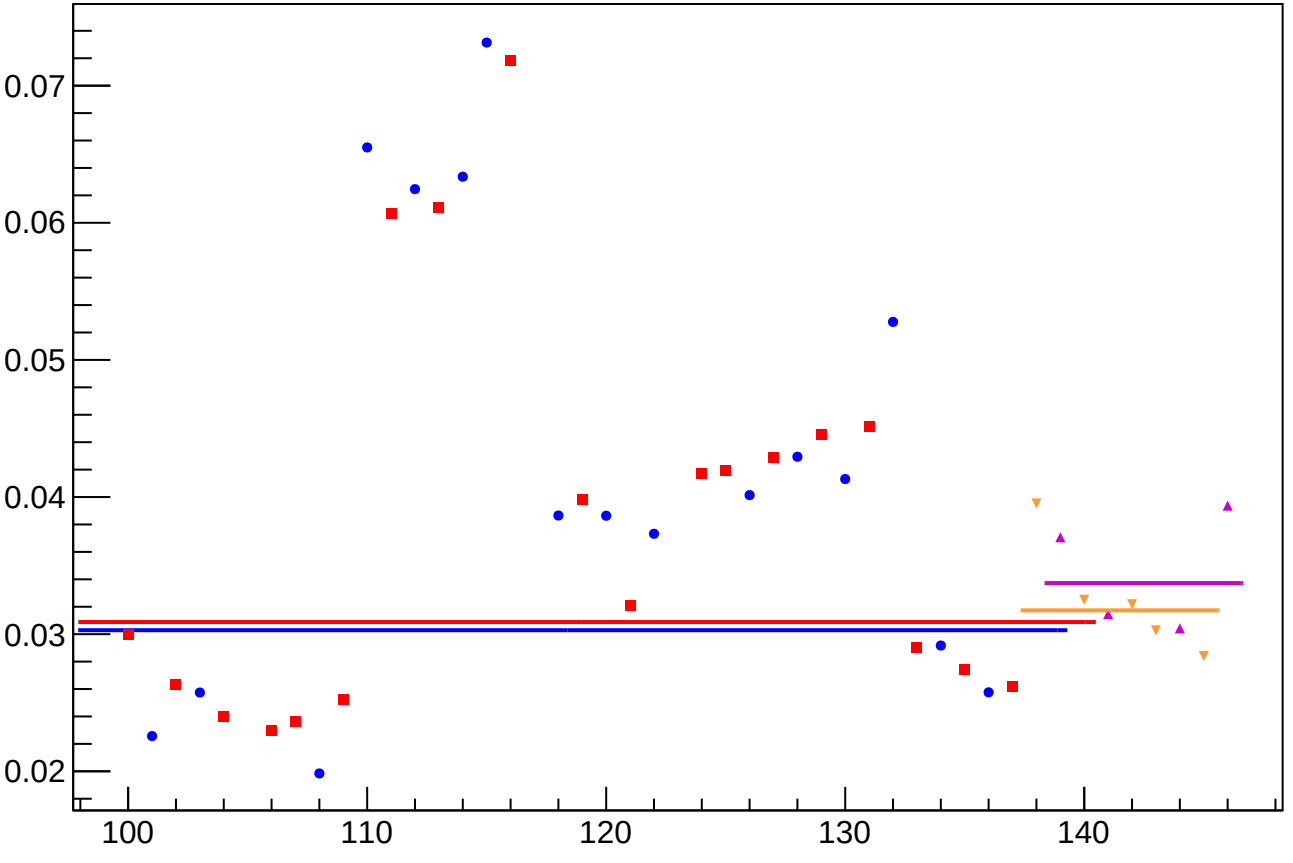
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.603+/-0.000 χ^2/NDF:14239377650.5/19

Out: 19.639+/-0.000 χ^2/NDF:15953103294.0/23

All: 19.621+/-0.000 χ^2/NDF: 30198671893.9

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:83293.6/4

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.034+/-0.000 χ^2/NDF:75858.8/3

Left: 0.033+/-0.000 χ^2/NDF: 171547.8/8

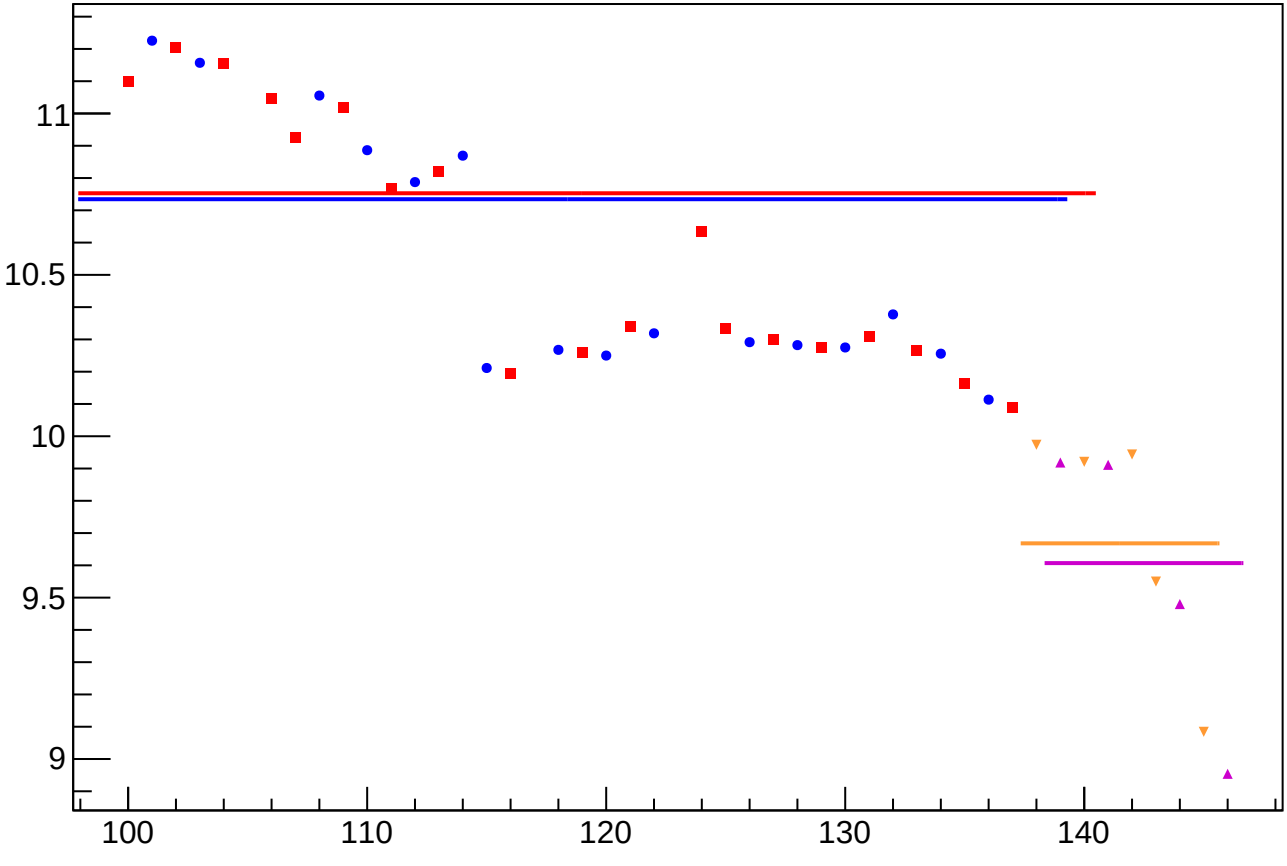
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1570446.0/19

Out: 0.031+/-0.000 χ^2/NDF:1291286.8/23

All: 0.031+/-0.000 χ^2/NDF: 2862000.6/43

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.668+/-0.000 χ^2/NDF:1050381888.9/4

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.607+/-0.000 χ^2/NDF:889843418.4/3

Left: 9.642+/-0.000 χ^2/NDF: 1955714323.8/8

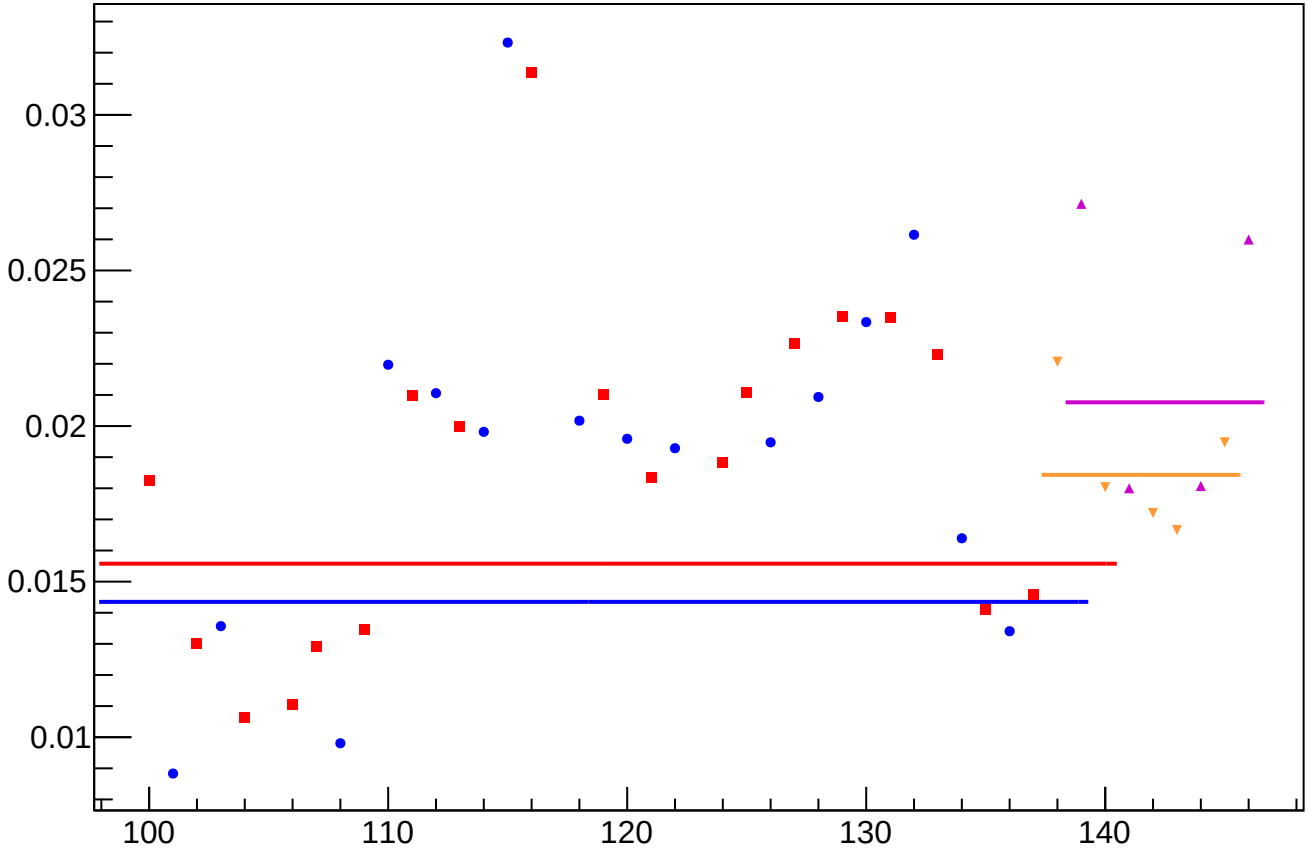
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.499+/-0.000 χ^2/NDF:14098056083.8/19

Out: 10.457+/-0.000 χ^2/NDF:13579762250.8/23

All: 10.478+/-0.000 χ^2/NDF: 27708661993.2

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.018+/-0.000 χ^2/NDF:64162.7/4

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.021+/-0.000 χ^2/NDF:231460.1/3

Left: 0.019+/-0.000 χ^2/NDF: 340586.0/8

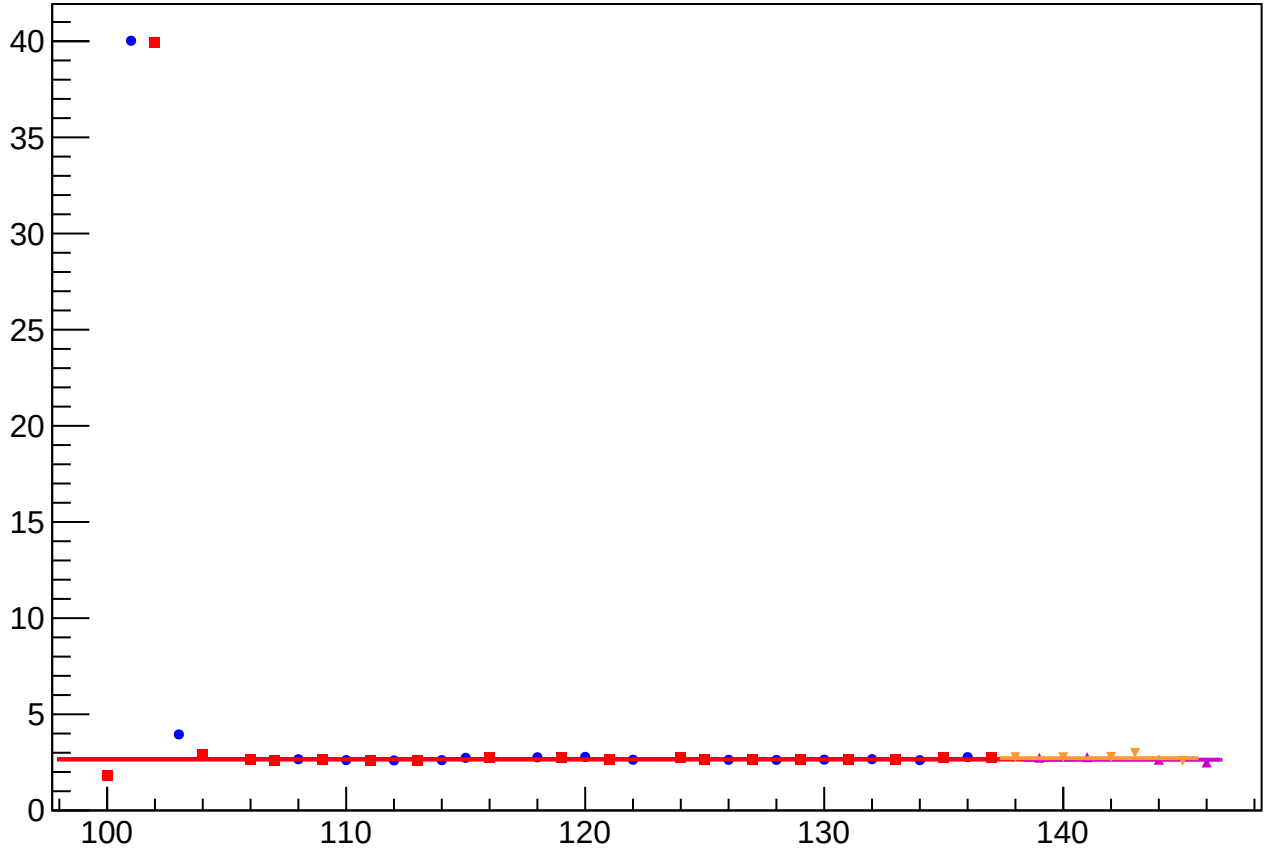
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.016+/-0.000 χ^2/NDF:2187539.5/19

Out: 0.016+/-0.000 χ^2/NDF:1249531.9/23

All: 0.016+/-0.000 χ^2/NDF: 3452625.8/43

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.719+/-0.000 χ^2/NDF:13613277704.8/4

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.638+/-0.000 χ^2/NDF:7318585065.3/3

Left: 2.677+/-0.000 χ^2/NDF: 23026209987.9/8

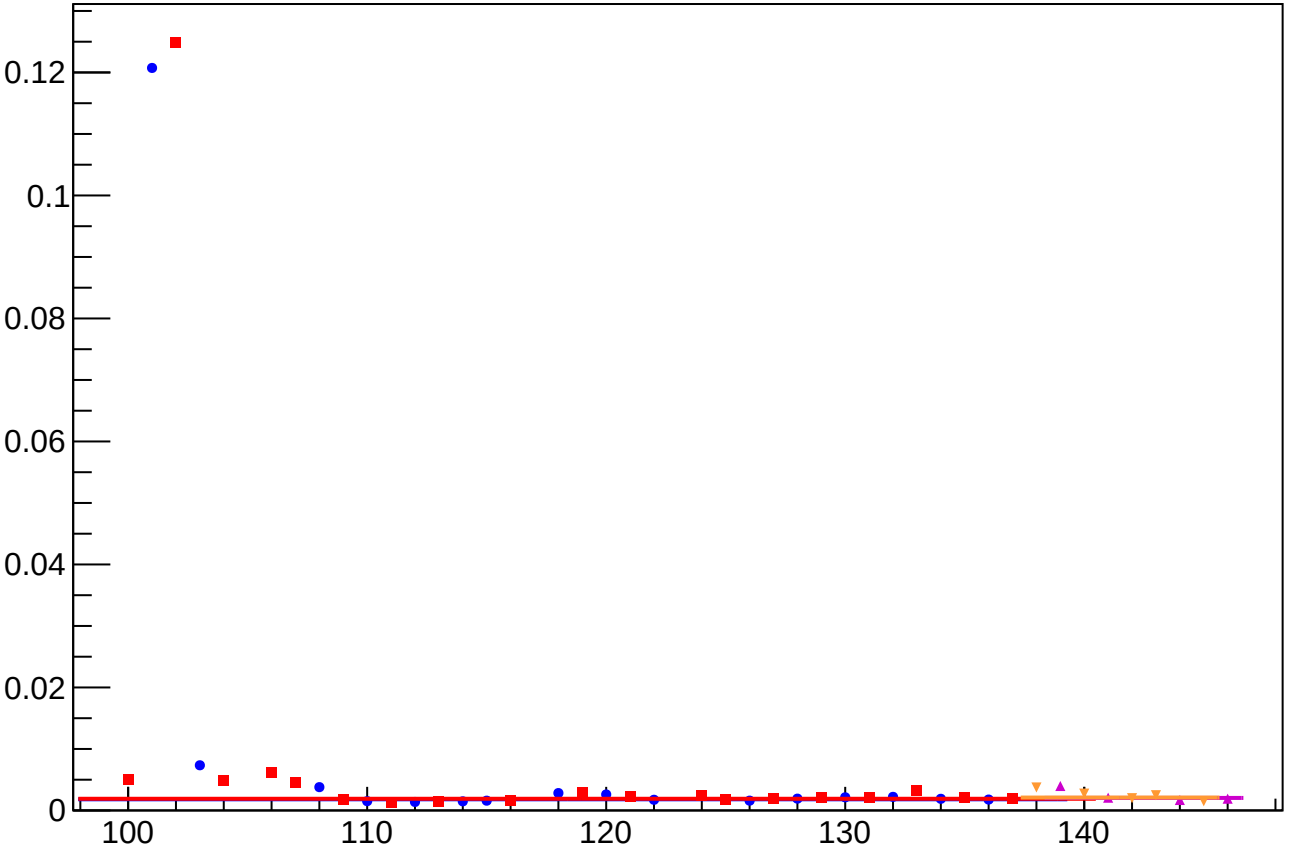
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.656+/-0.000 χ^2/NDF:75464850090.7/19

Out: 2.675+/-0.000 χ^2/NDF:80348521736.0/23

All: 2.665+/-0.000 χ^2/NDF: 156213766438.6

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:580783.1/4

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:441405.0/3

Left: 0.002+/-0.000 χ^2/NDF: 1024481.5/8

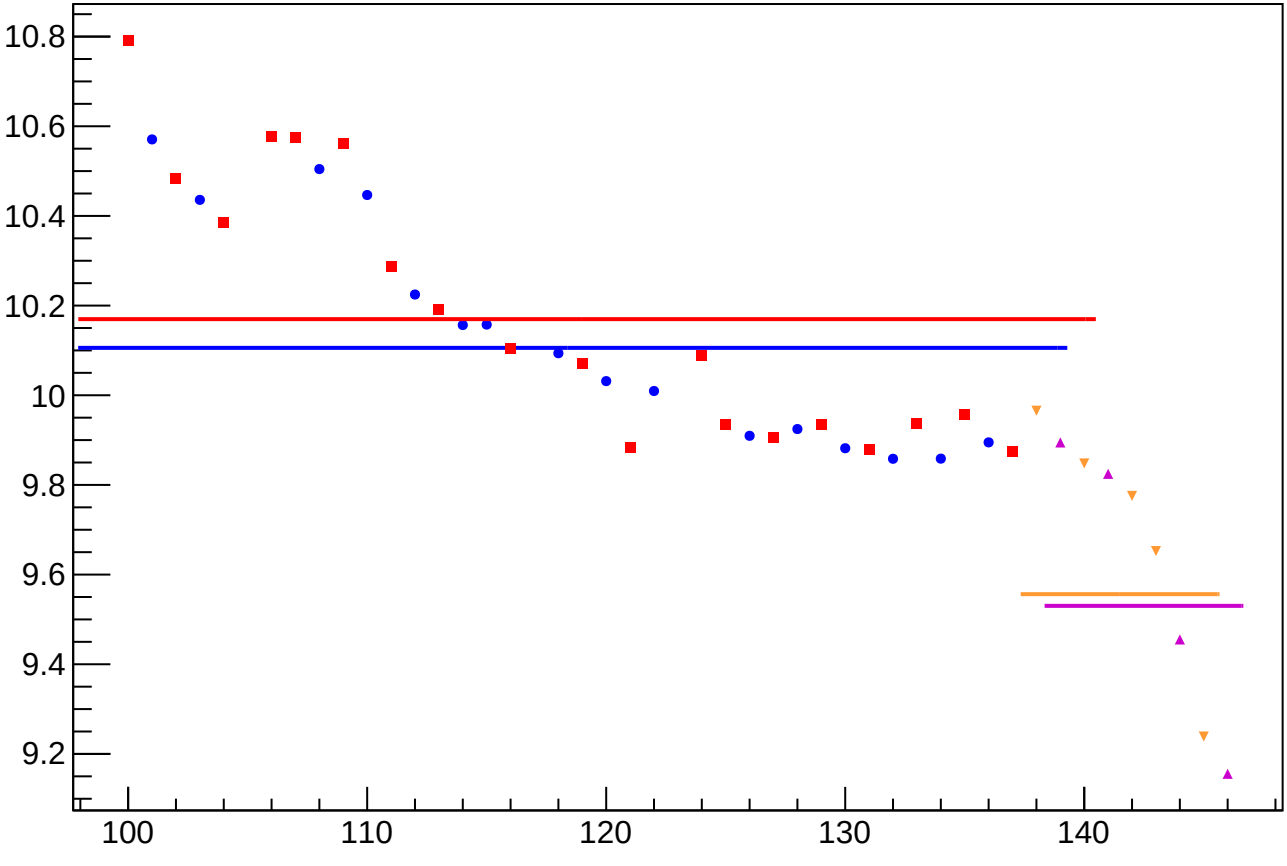
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2307918.6/19

Out: 0.002+/-0.000 χ^2/NDF:3139359.5/23

All: 0.002+/-0.000 χ^2/NDF: 5459092.3/43

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.556+/-0.000 χ^2/NDF:5133680157.0/4

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.530+/-0.000 χ^2/NDF:4754949572.2/3

Left: 9.544+/-0.000 χ^2/NDF: 9912597517.8/8

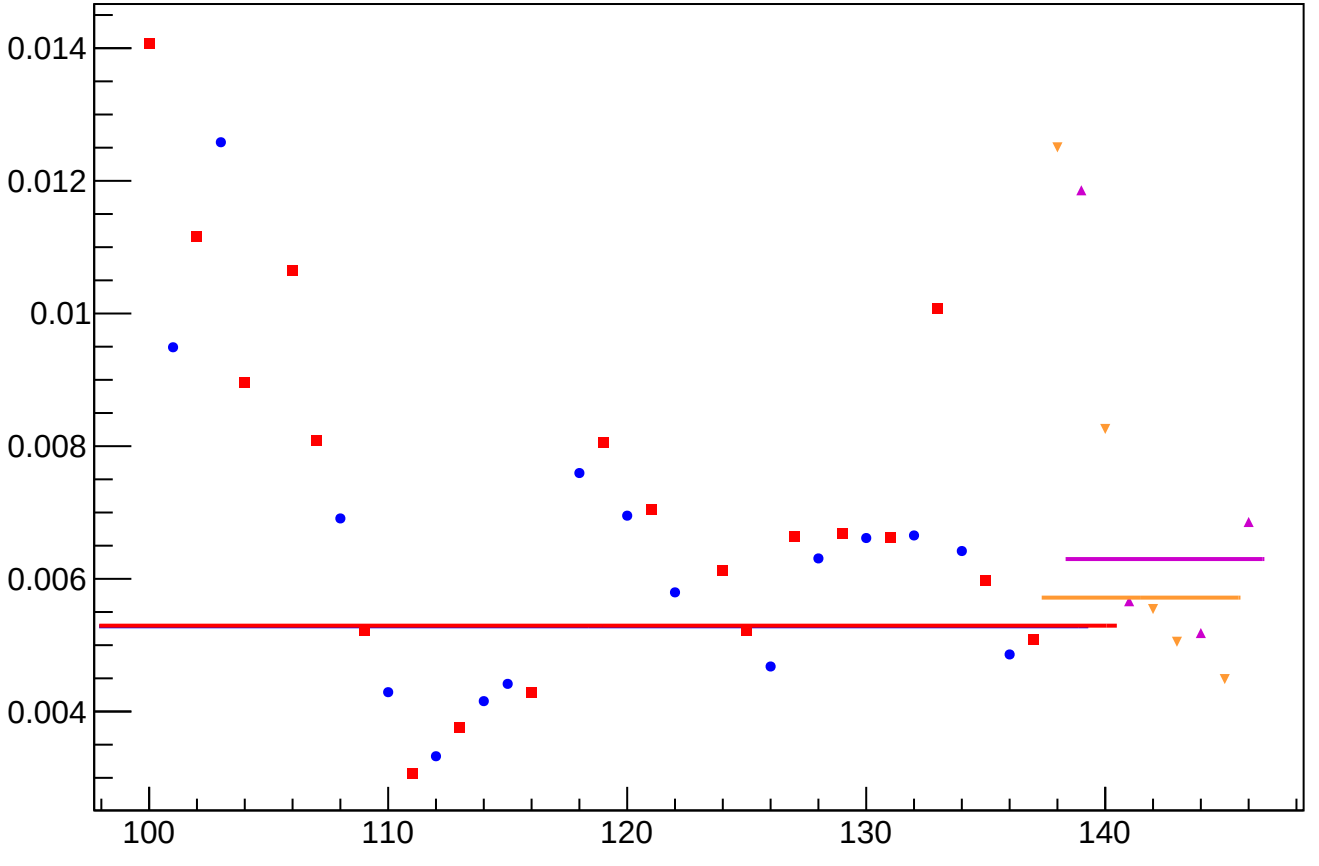
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.961+/-0.000 χ^2/NDF:30040856488.7/19

Out: 9.997+/-0.000 χ^2/NDF:35090470914.0/23

All: 9.980+/-0.000 χ^2/NDF: 65311621073.2/4

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:635863.0/4

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:431967.3/3

Left: 0.006+/-0.000 χ^2/NDF: 1091699.4/8

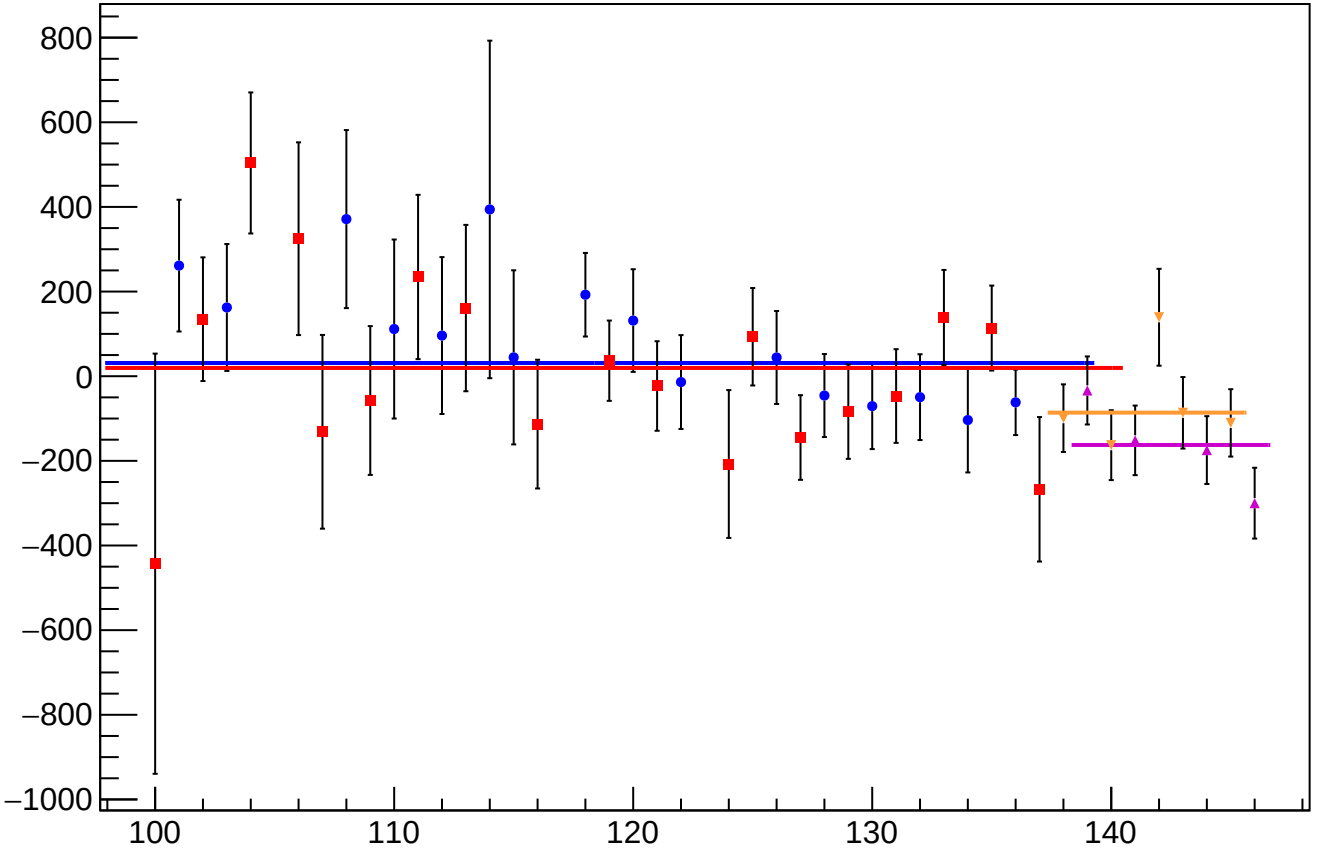
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:1806393.5/19

Out: 0.005+/-0.000 χ^2/NDF:2447901.9/23

All: 0.005+/-0.000 χ^2/NDF: 4258612.2/43

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -86.056+/-38.405 χ^2/NDF:4.9/4

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -162.483+/-40.776 χ^2/NDF:5.3/3

Left: -121.983+/-27.957 χ^2/NDF: 12.0/8

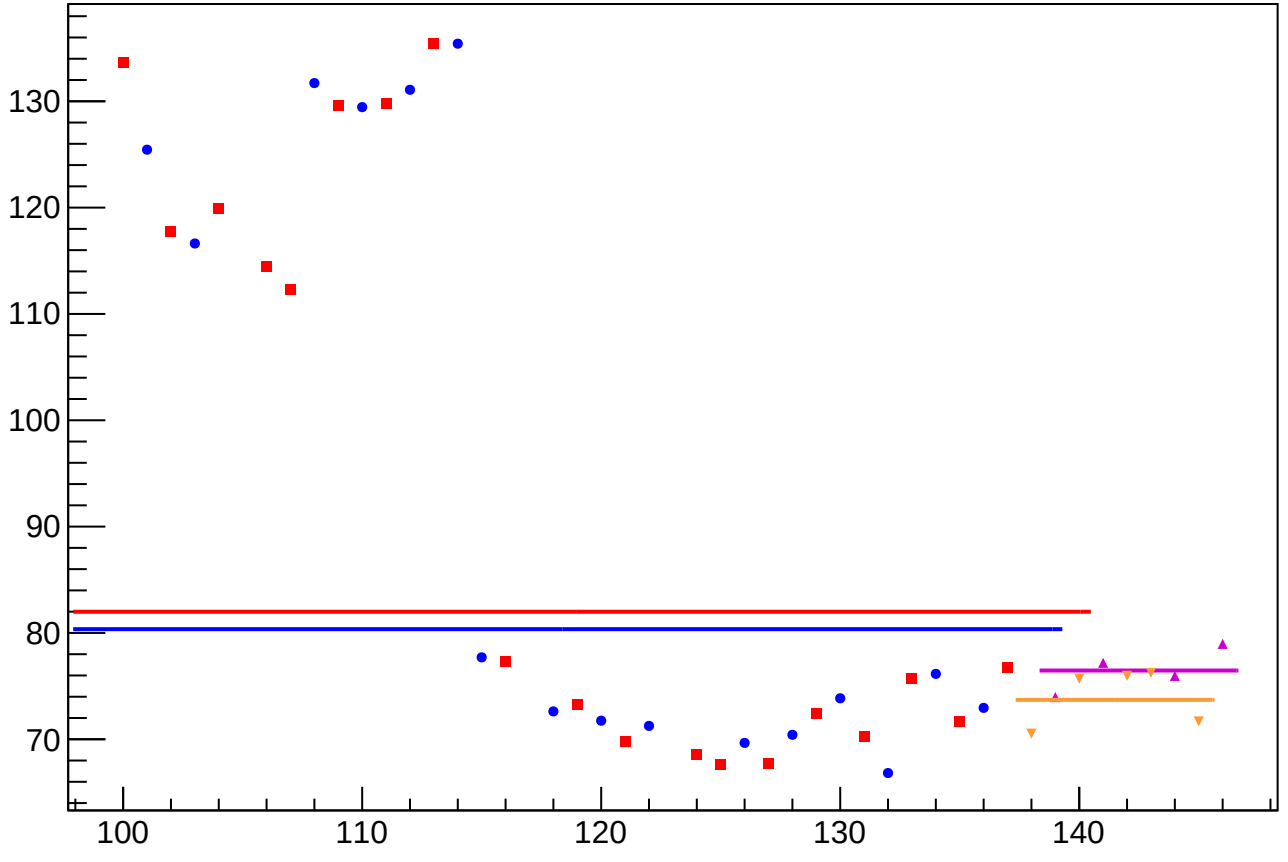
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -39.089+/-24.570 χ^2/NDF:34.8/19

Out: -22.194+/-24.150 χ^2/NDF:35.3/23

All: -30.496+/-17.223 χ^2/NDF: 70.3/43

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 73.707+/-0.027 χ^2/NDF:8199.5/4

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

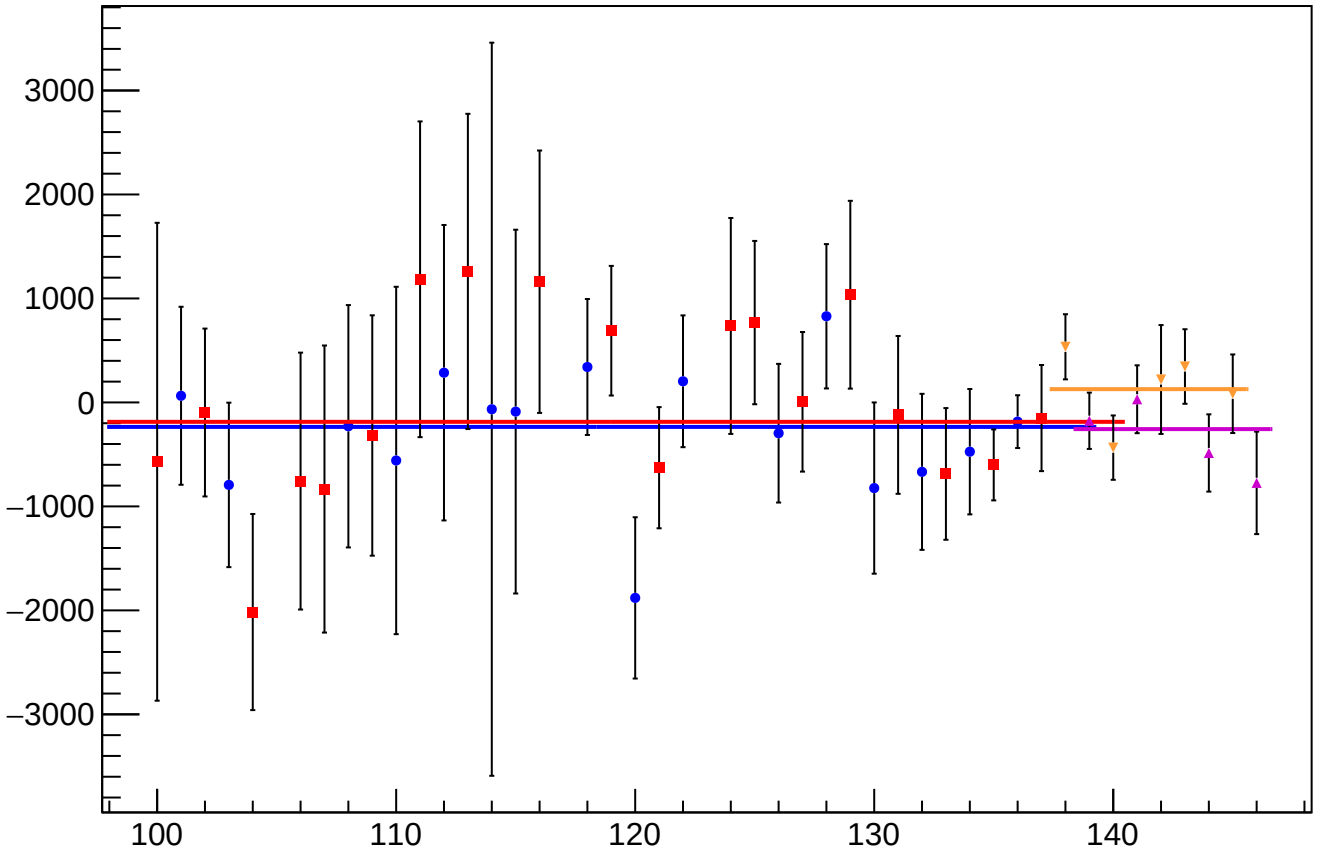
Left: 75.004+/-0.020 χ^2/NDF: 17008.8/8

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 78.943+/-0.017 χ^2/NDF:855572.3/19

Out: 78.717+/-0.017 χ^2/NDF:996819.7/23

All: 78.828+/-0.012 χ^2/NDF: 1852478.0/43



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 127.694+/-159.988 χ^2/NDF:5.4/4

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -256.624+/-170.531 χ^2/NDF:2.3/3

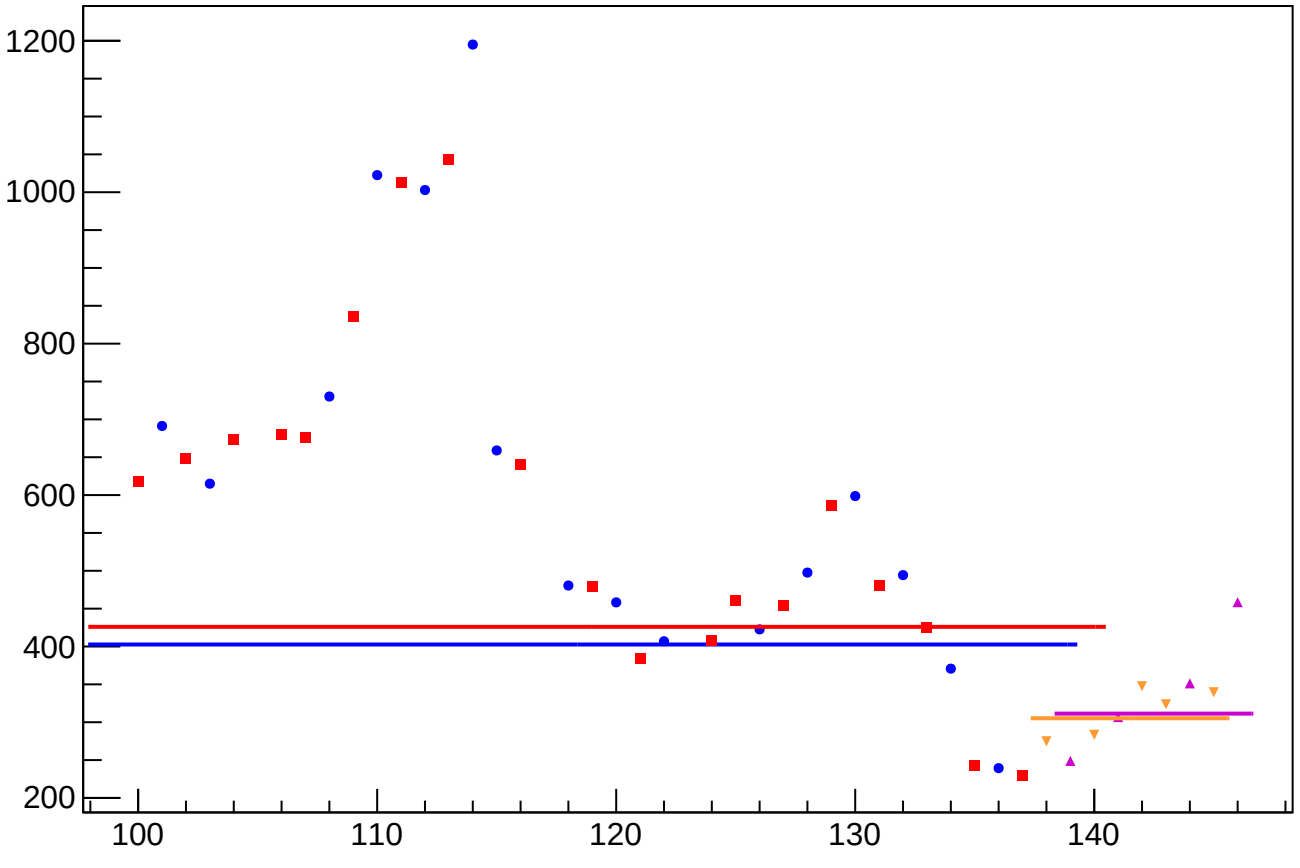
Left: -52.218+/-116.678 χ^2/NDF: 10.5/8

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -245.646+/-118.119 χ^2/NDF:12.3/19

Out: -19.572+/-116.634 χ^2/NDF:23.2/23

All: -131.179+/-82.993 χ^2/NDF: 37.3/43



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 305.229+/-0.113 χ^2/NDF:63675.0/4

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 311.381+/-0.121 χ^2/NDF:308307.5/3

Left: 308.109+/-0.083 χ^2/NDF: 373366.8/8

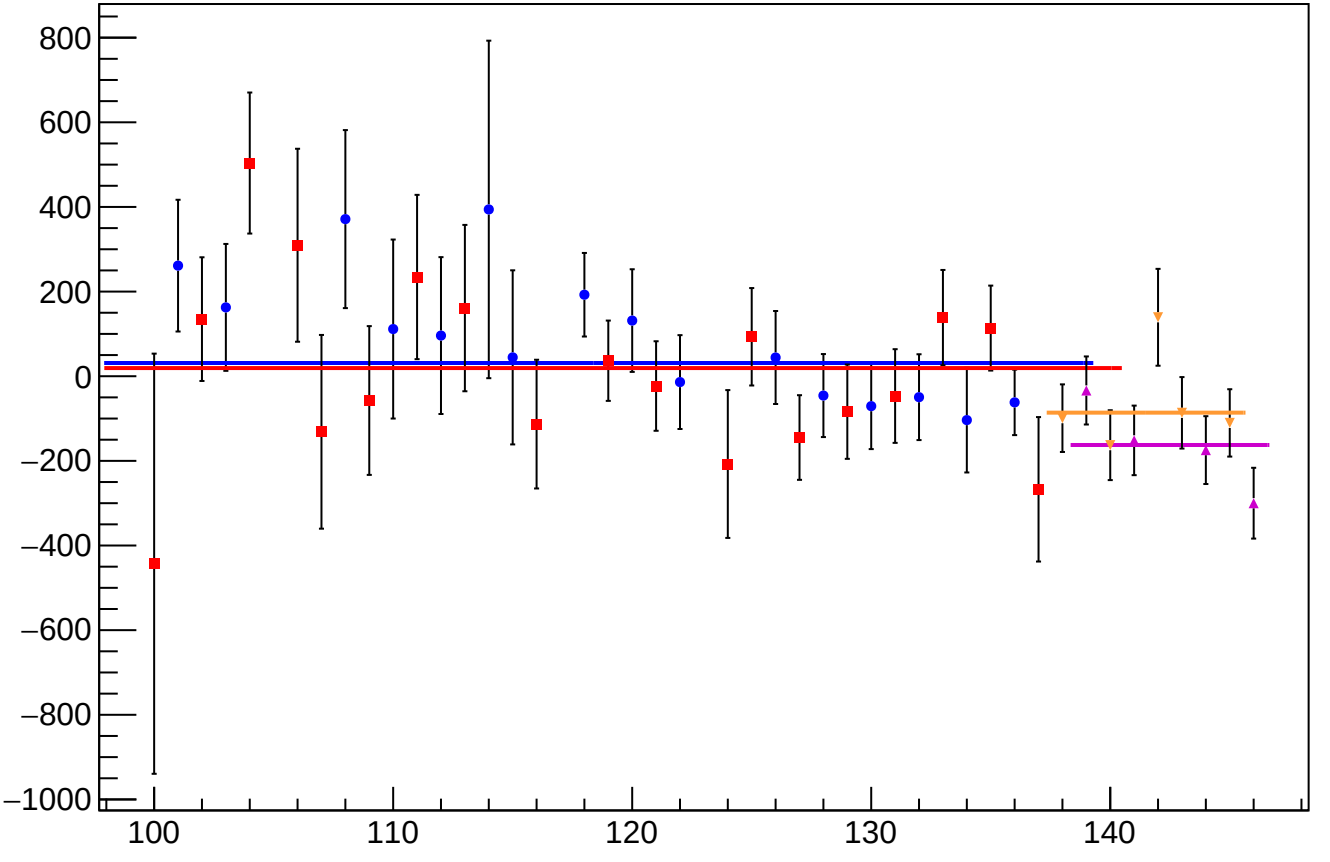
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 358.866+/-0.084 χ^2/NDF:2966484.0/19

Out: 361.805+/-0.082 χ^2/NDF:2966263.5/23

All: 360.354+/-0.059 χ^2/NDF: 5933374.3/43

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -86.055+/-38.405 χ^2/NDF:4.9/4

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -162.489+/-40.776 χ^2/NDF:5.3/3

Left: -121.985+/-27.957 χ^2/NDF: 12.0/8

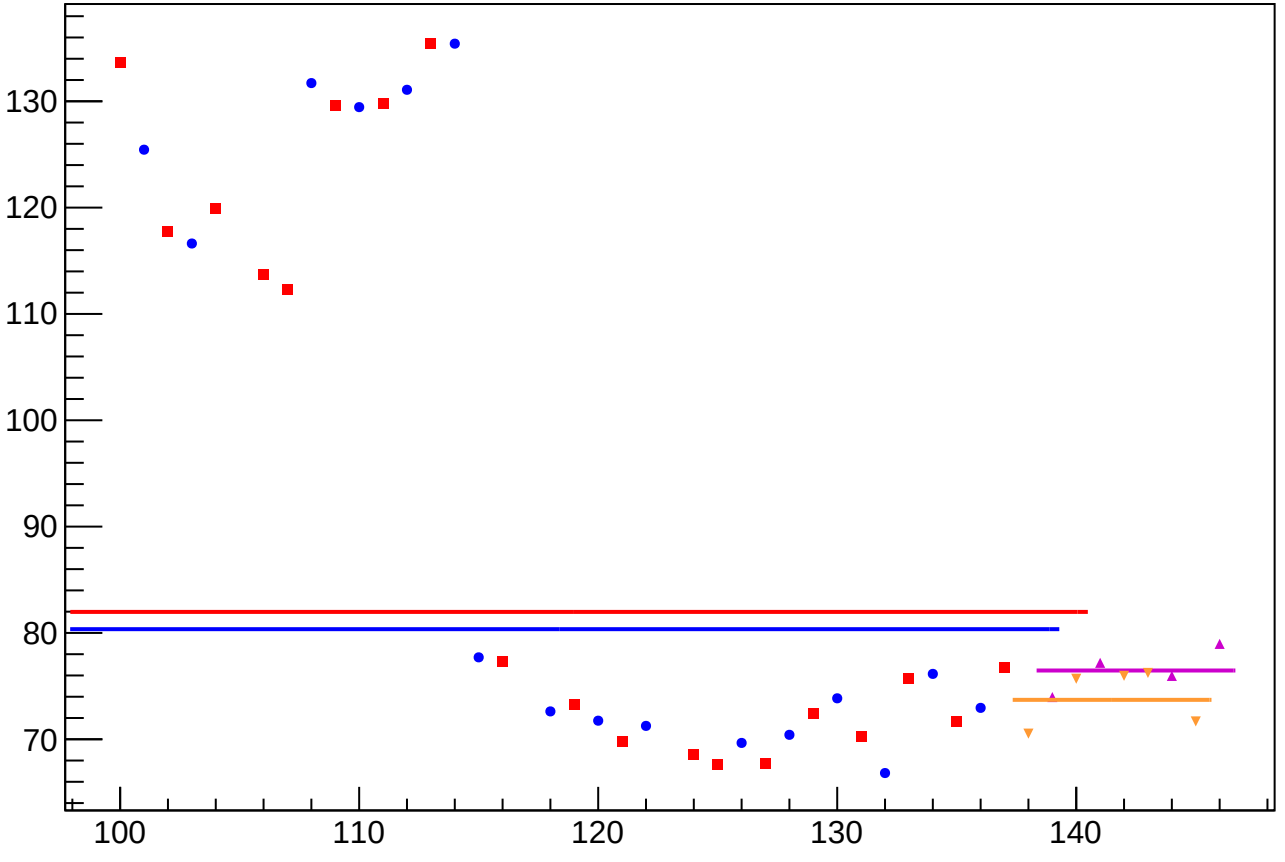
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -39.084+/-24.570 χ^2/NDF:34.8/19

Out: -22.371+/-24.150 χ^2/NDF:35.1/23

All: -30.584+/-17.223 χ^2/NDF: 70.1/43

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 73.707+/-0.027 χ^2/NDF:8199.5/4

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

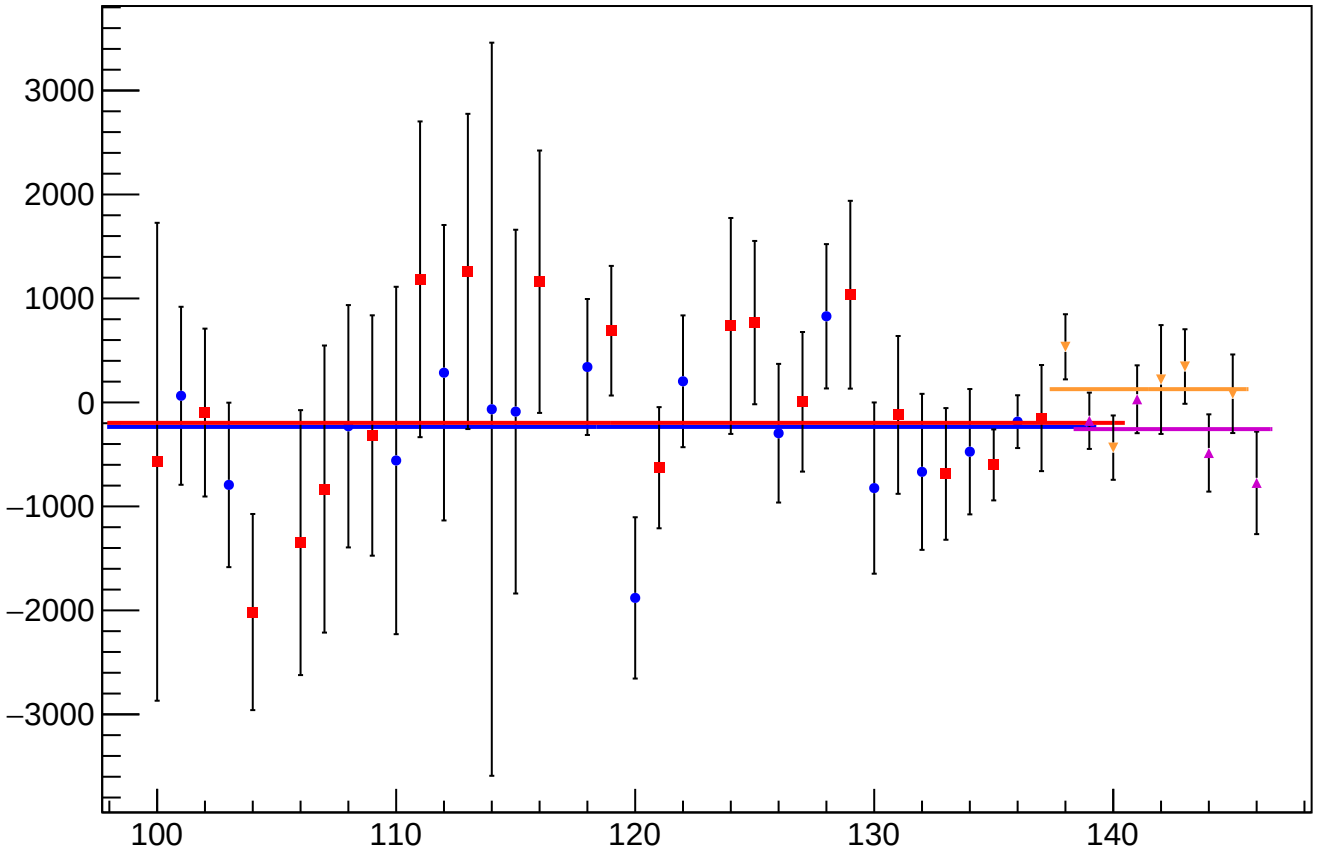
Left: 75.004+/-0.020 χ^2/NDF: 17008.8/8

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 78.943+/-0.017 χ^2/NDF:855572.5/19

Out: 78.707+/-0.017 χ^2/NDF:994743.0/23

All: 78.823+/-0.012 χ^2/NDF: 1850408.7/43



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 127.694+/-159.987 χ^2/NDF:5.4/4

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -256.625+/-170.531 χ^2/NDF:2.3/3

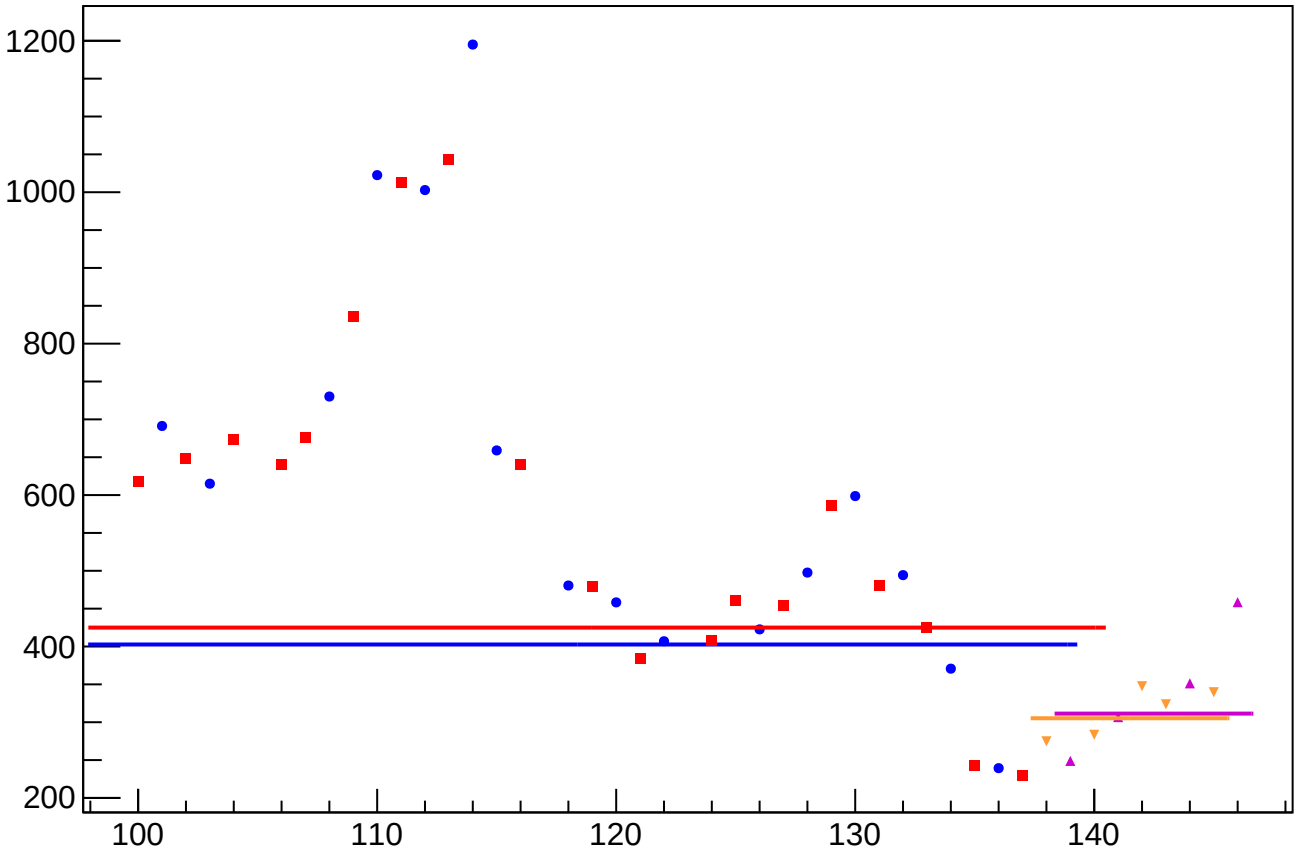
Left: -52.218+/-116.678 χ^2/NDF: 10.5/8

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -245.645+/-118.119 χ^2/NDF:12.3/19

Out: -24.146+/-116.665 χ^2/NDF:23.9/23

All: -133.524+/-83.004 χ^2/NDF: 38.0/43



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 305.229+/-0.113 χ^2/NDF:63676.3/4

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 311.381+/-0.121 χ^2/NDF:308310.0/3

Left: 308.109+/-0.083 χ^2/NDF: 373370.6/8

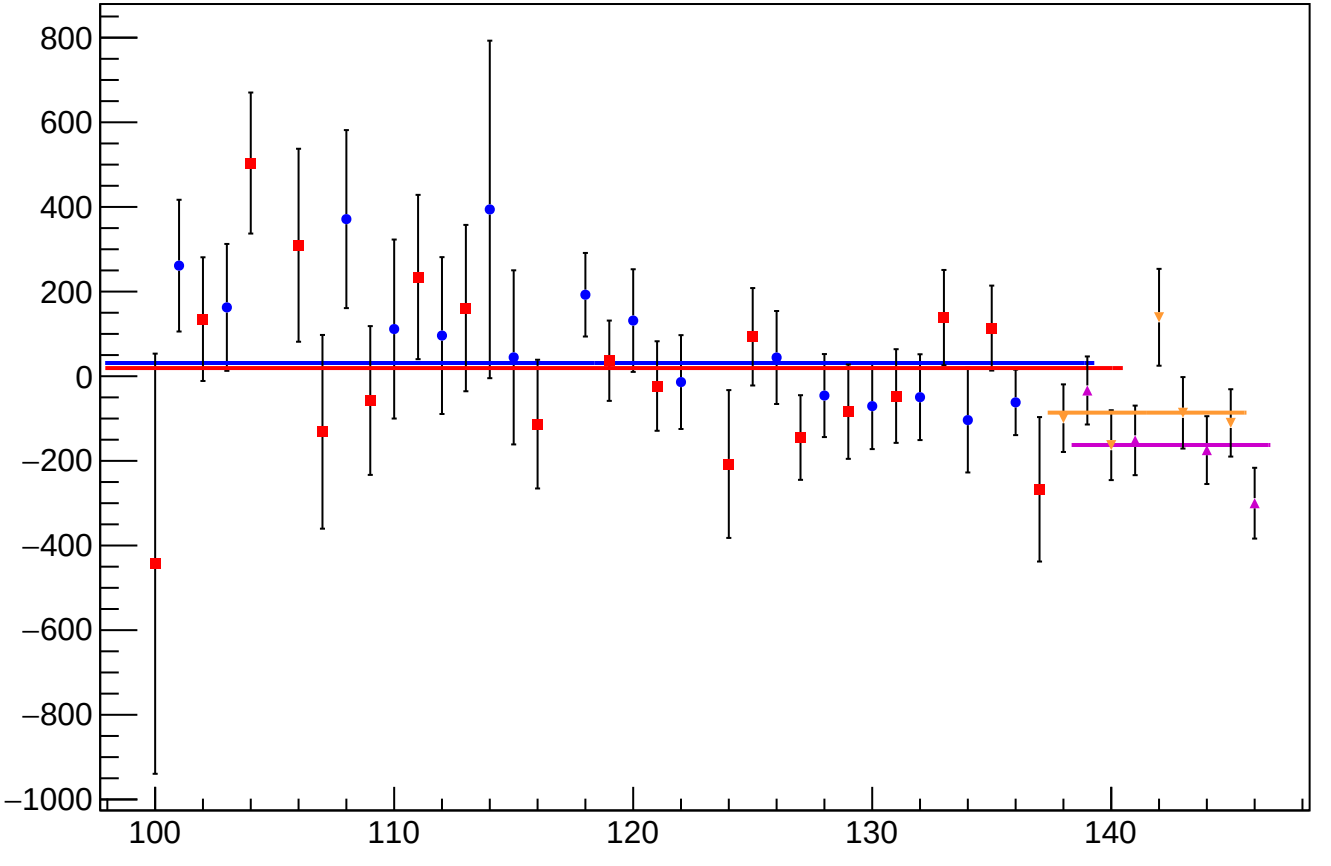
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 358.866+/-0.084 χ^2/NDF:2966484.9/19

Out: 361.306+/-0.082 χ^2/NDF:2929448.2/23

All: 360.101+/-0.059 χ^2/NDF: 5896364.9/43

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -86.055+/-38.405 χ^2/NDF:4.9/4

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -162.489+/-40.776 χ^2/NDF:5.3/3

Left: -121.985+/-27.957 χ^2/NDF: 12.0/8

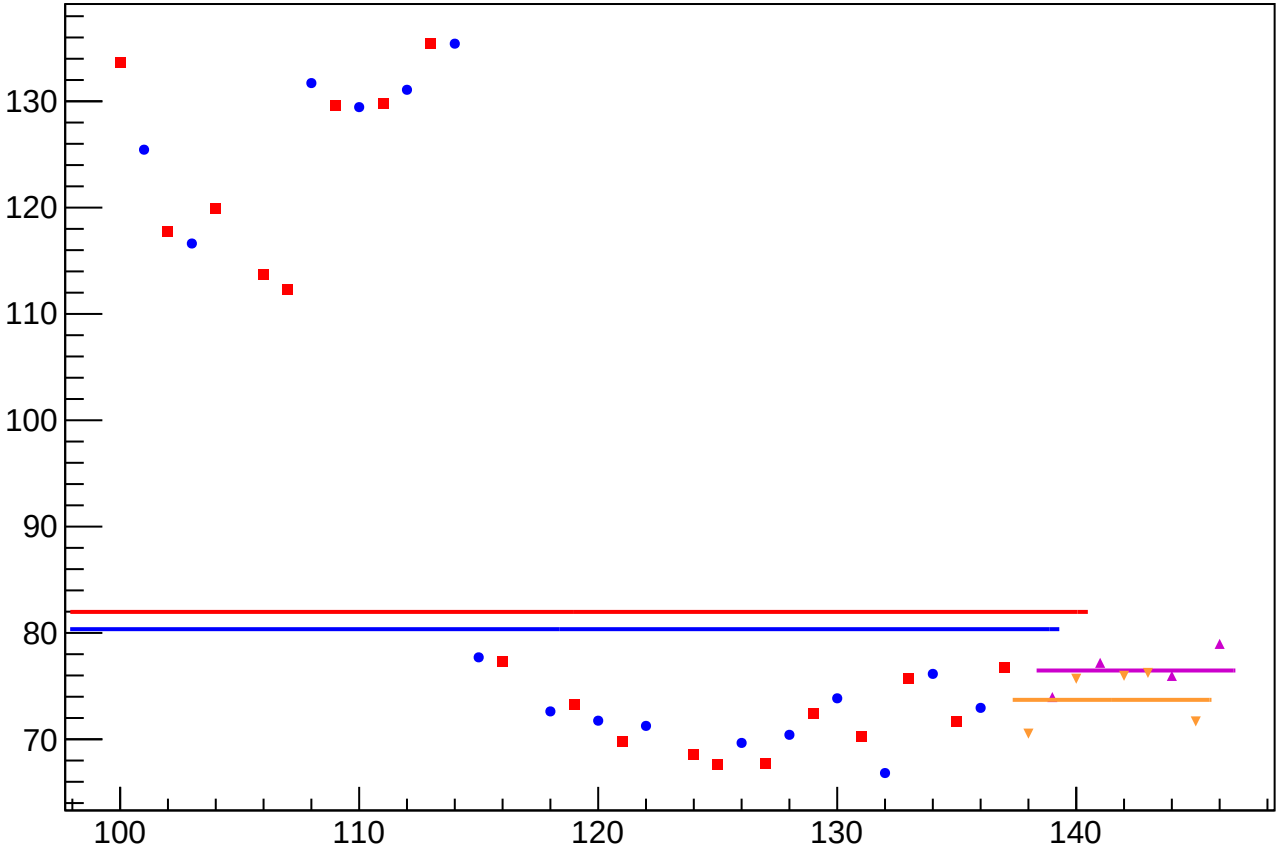
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -39.084+/-24.570 χ^2/NDF:34.8/19

Out: -22.371+/-24.150 χ^2/NDF:35.1/23

All: -30.584+/-17.223 χ^2/NDF: 70.1/43

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 73.707+/-0.027 χ^2/NDF:8199.5/4

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

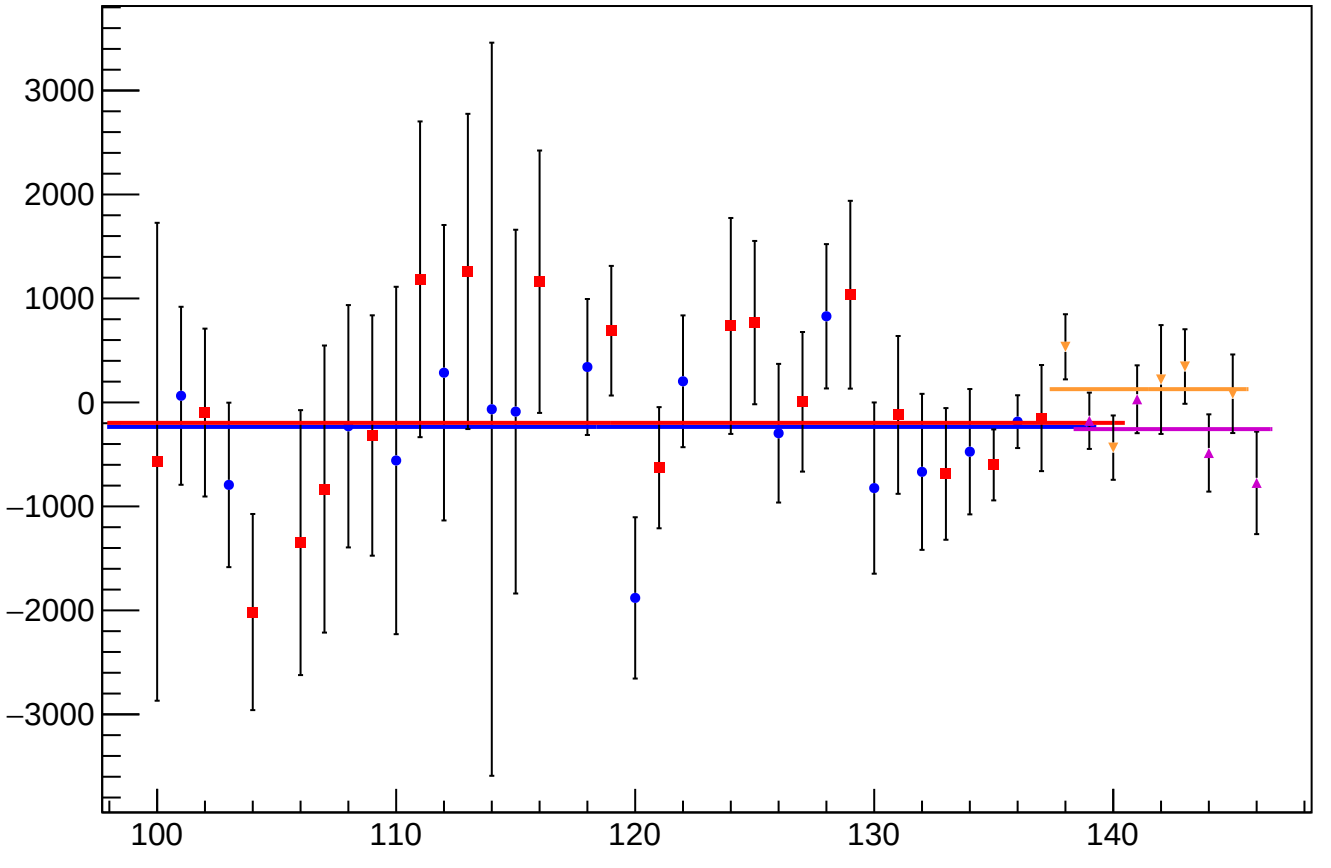
Left: 75.004+/-0.020 χ^2/NDF: 17008.8/8

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 78.943+/-0.017 χ^2/NDF:855572.5/19

Out: 78.707+/-0.017 χ^2/NDF:994743.0/23

All: 78.823+/-0.012 χ^2/NDF: 1850408.7/43



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 127.694+/-159.987 χ^2/NDF:5.4/4

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -256.625+/-170.531 χ^2/NDF:2.3/3

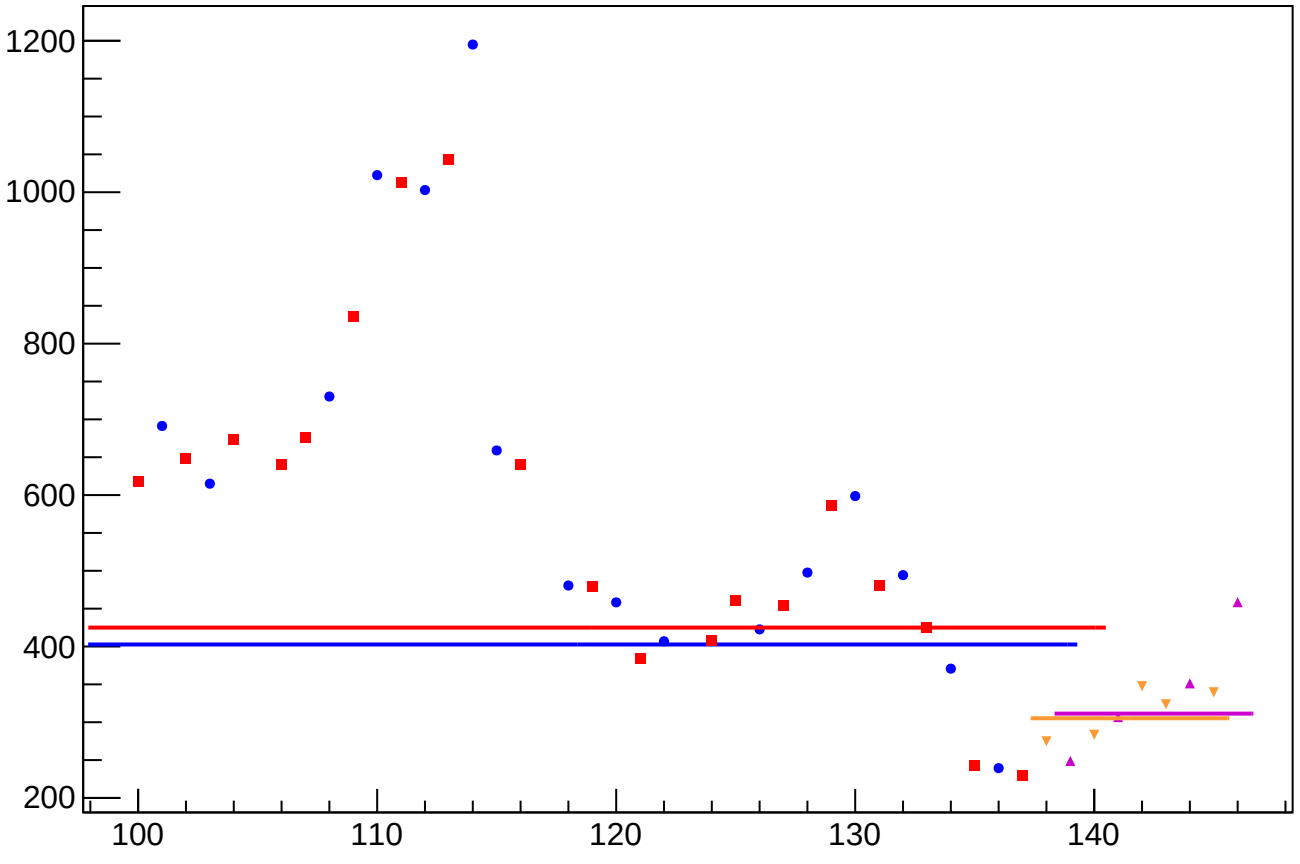
Left: -52.218+/-116.678 χ^2/NDF: 10.5/8

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -245.645+/-118.119 χ^2/NDF:12.3/19

Out: -24.146+/-116.665 χ^2/NDF:23.9/23

All: -133.524+/-83.004 χ^2/NDF: 38.0/43



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 305.229+/-0.113 χ^2/NDF:63676.3/4

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 311.381+/-0.121 χ^2/NDF:308310.0/3

Left: 308.109+/-0.083 χ^2/NDF: 373370.6/8

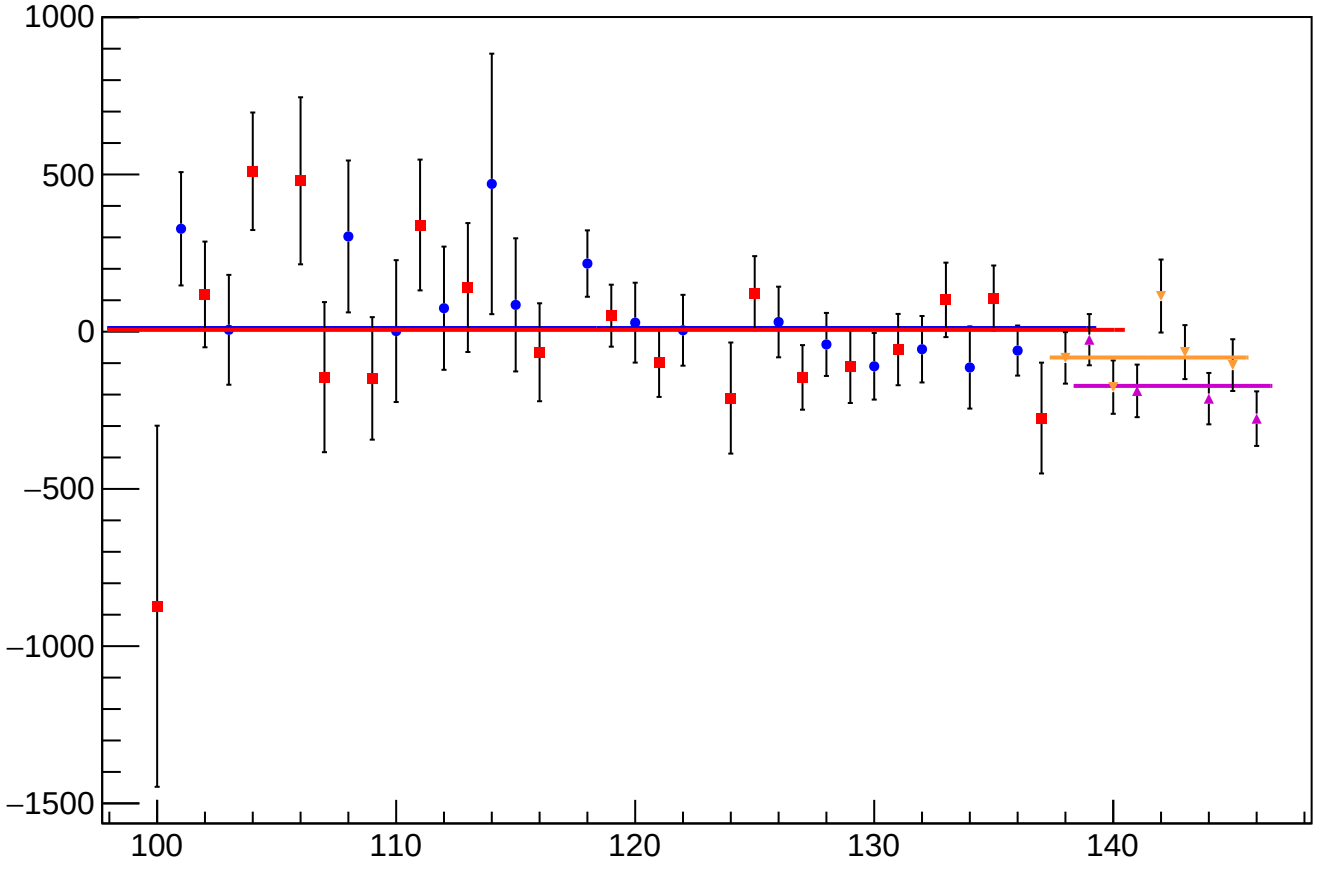
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 358.866+/-0.084 χ^2/NDF:2966484.9/19

Out: 361.306+/-0.082 χ^2/NDF:2929448.2/23

All: 360.101+/-0.059 χ^2/NDF: 5896364.9/43

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -82.074+/-39.354 χ^2/NDF:4.2/4

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -172.375+/-41.653 χ^2/NDF:5.0/3

Left: -124.664+/-28.606 χ^2/NDF: 11.7/8

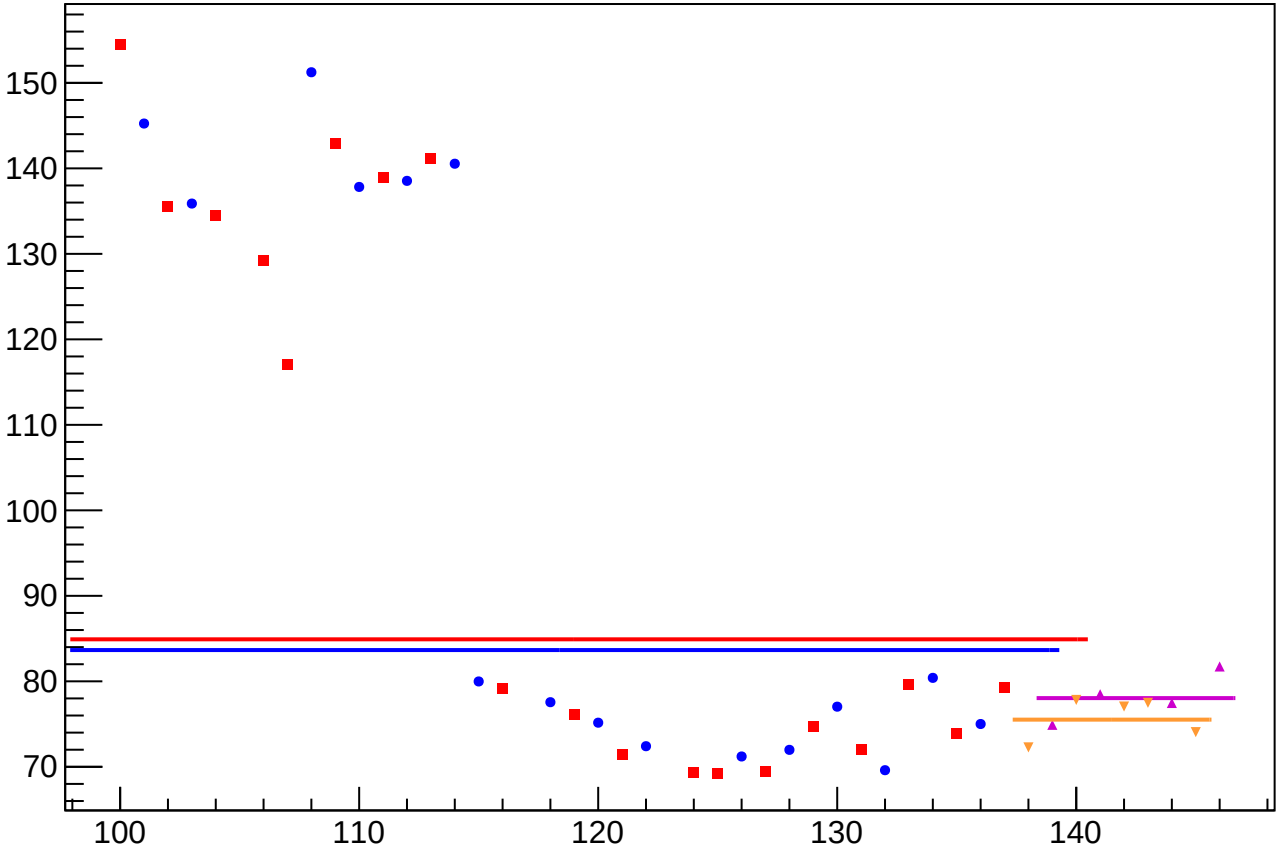
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -57.447+/-25.523 χ^2/NDF:30.7/19

Out: -29.746+/-25.034 χ^2/NDF:35.9/23

All: -43.328+/-17.872 χ^2/NDF: 67.2/43

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 75.518+/-0.028 χ^2/NDF:6653.1/4

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 78.037+/-0.029 χ^2/NDF:6731.2/3

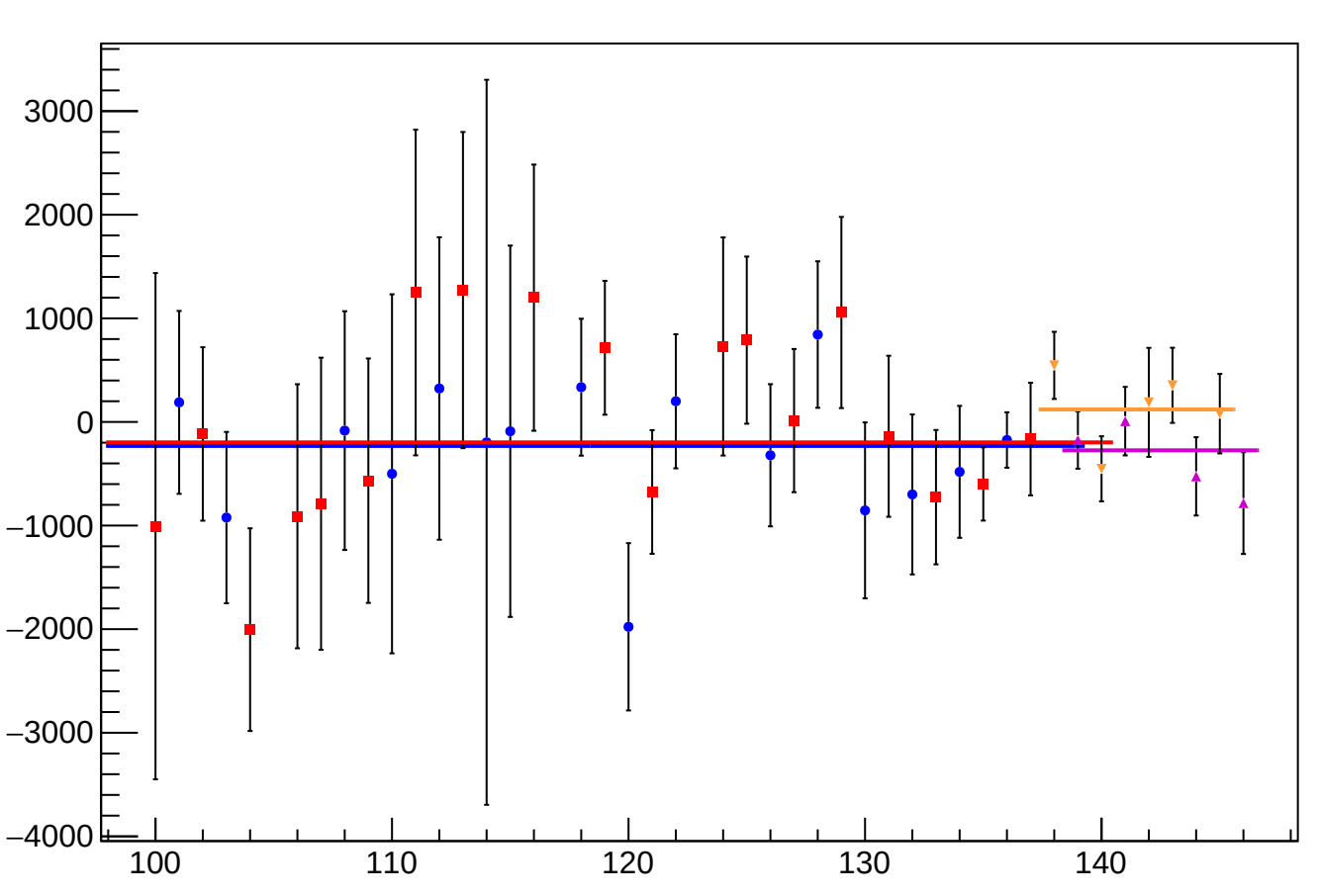
Left: 76.706+/-0.020 χ^2/NDF: 17247.8/8

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 81.547+/-0.018 χ^2/NDF:1064265.0/19

Out: 81.112+/-0.018 χ^2/NDF:1196178.6/23

All: 81.325+/-0.013 χ^2/NDF: 2260740.0/43



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 120.286+/-162.889 χ^2/NDF:5.5/4

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -273.771+/-173.123 χ^2/NDF:2.4/3

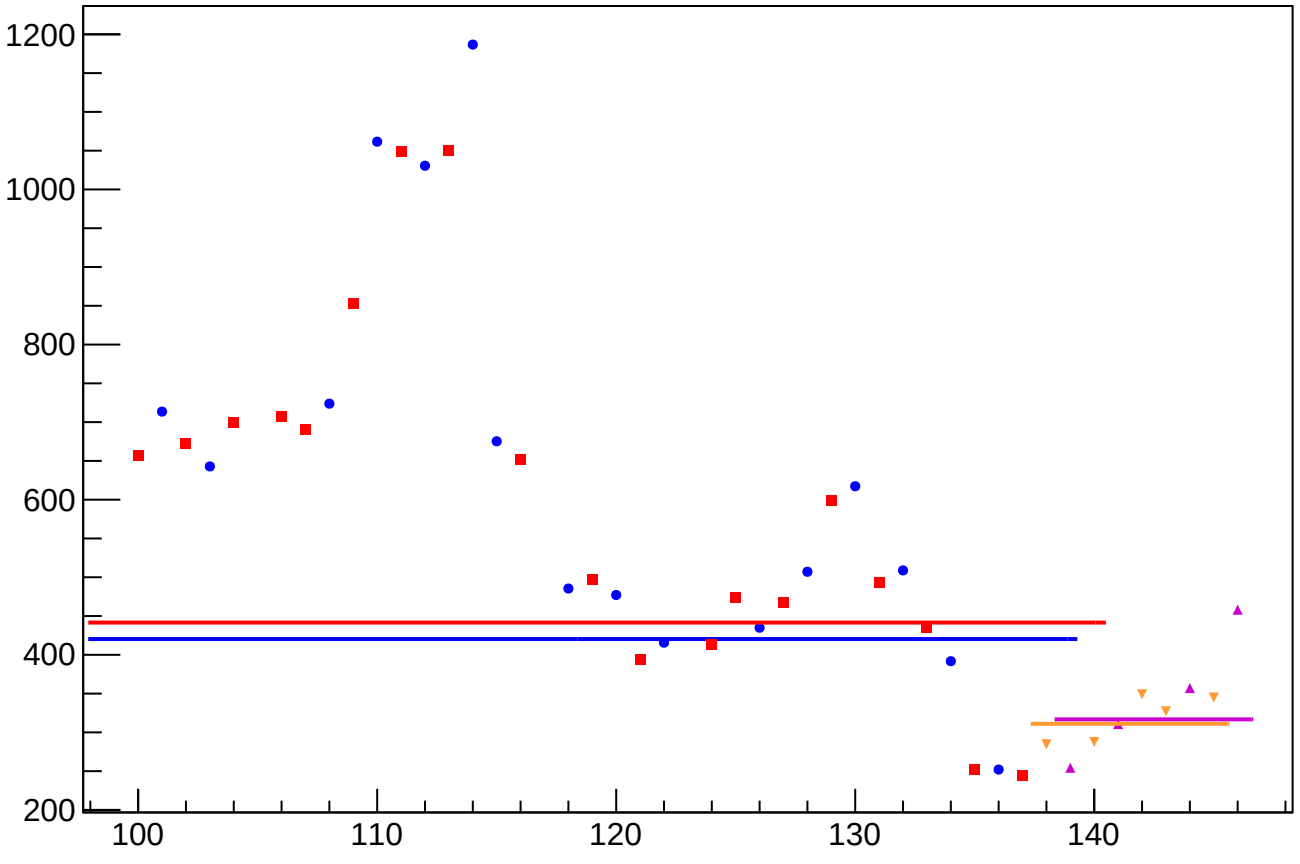
Left: -64.753+/-118.633 χ^2/NDF: 10.6/8

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -252.220+/-121.345 χ^2/NDF:12.8/19

Out: -26.114+/-119.575 χ^2/NDF:23.1/23

All: -137.506+/-85.171 χ^2/NDF: 37.7/43



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 311.071+/-0.115 χ^2/NDF:54436.5/4

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 316.768+/-0.122 χ^2/NDF:290949.9/3

Left: 313.746+/-0.084 χ^2/NDF: 346535.4/8

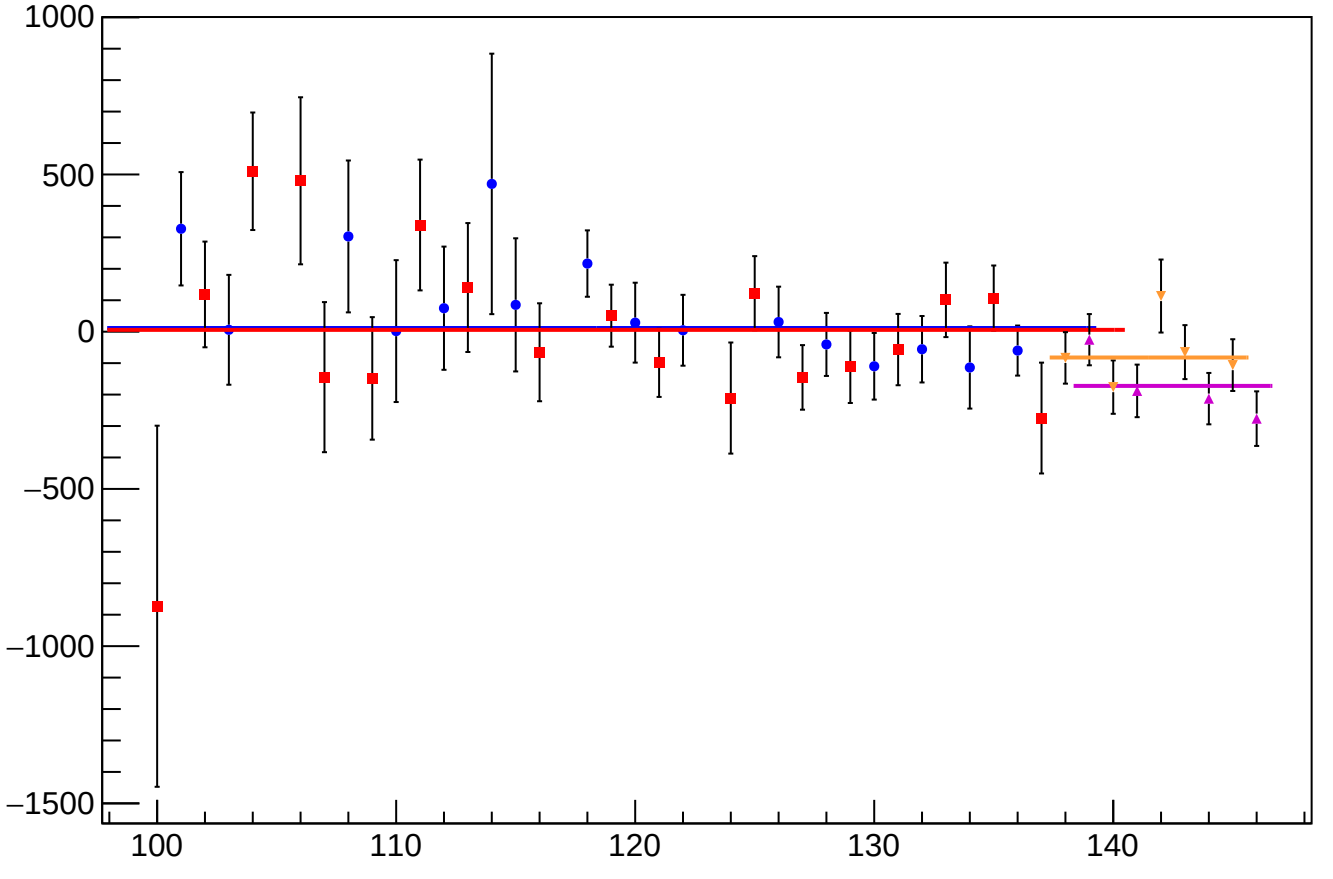
Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 369.451+/-0.086 χ^2/NDF:2909631.3/19

Out: 371.258+/-0.085 χ^2/NDF:2954203.8/23

All: 370.368+/-0.060 χ^2/NDF: 5864060.2/43

eigen_dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -82.075+/-39.354 χ^2/NDF:4.2/4

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -172.374+/-41.653 χ^2/NDF:5.0/3

Left: -124.665+/-28.606 χ^2/NDF: 11.7/8

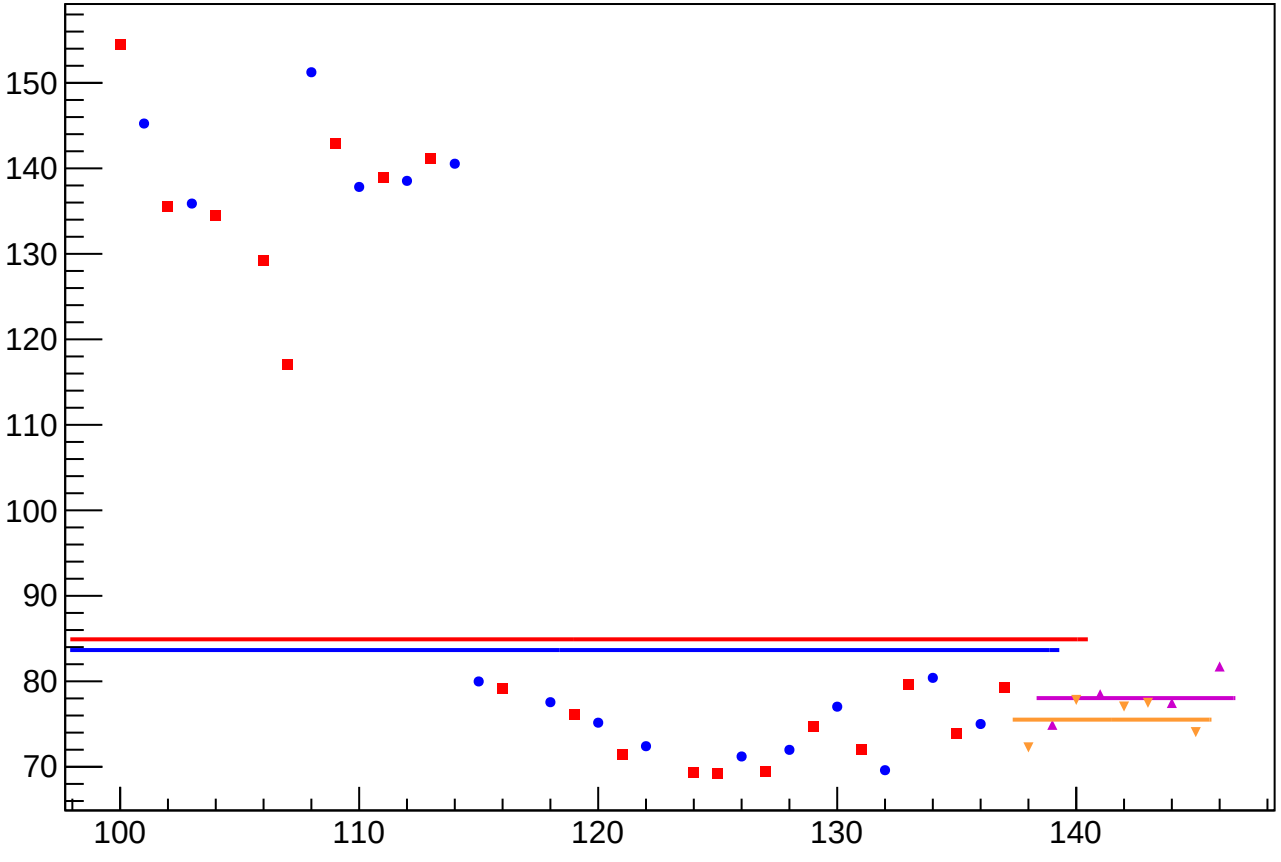
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -57.446+/-25.523 χ^2/NDF:30.7/19

Out: -29.747+/-25.034 χ^2/NDF:35.9/23

All: -43.329+/-17.872 χ^2/NDF: 67.2/43

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 75.518+/-0.028 χ^2/NDF:6653.2/4

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 78.037+/-0.029 χ^2/NDF:6731.3/3

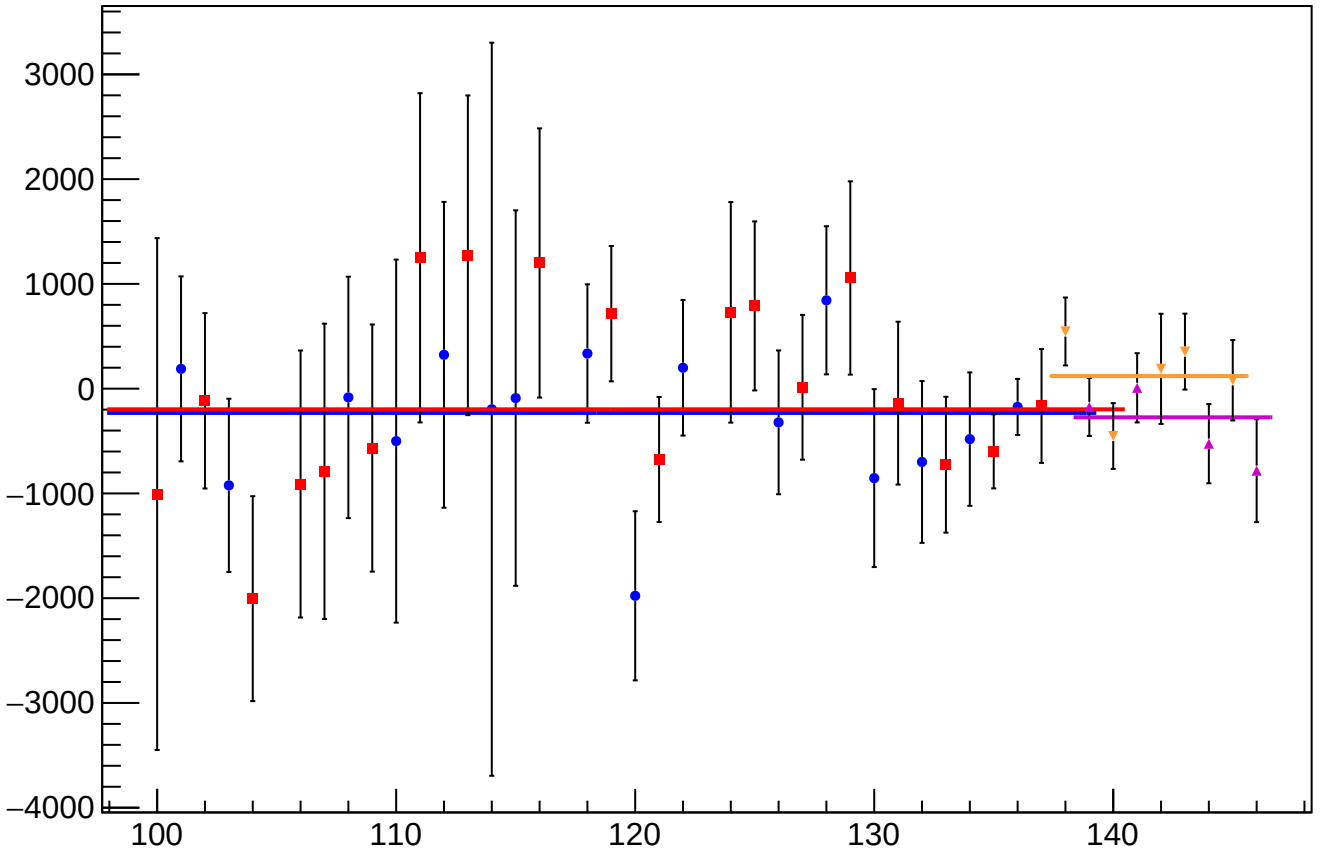
Left: 76.706+/-0.020 χ^2/NDF: 17248.0/8

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 81.547+/-0.018 χ^2/NDF:1064264.1/19

Out: 81.112+/-0.018 χ^2/NDF:1196176.7/23

All: 81.325+/-0.013 χ^2/NDF: 2260737.2/43



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 120.284+/-162.889 χ^2/NDF:5.5/4

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -273.771+/-173.122 χ^2/NDF:2.4/3

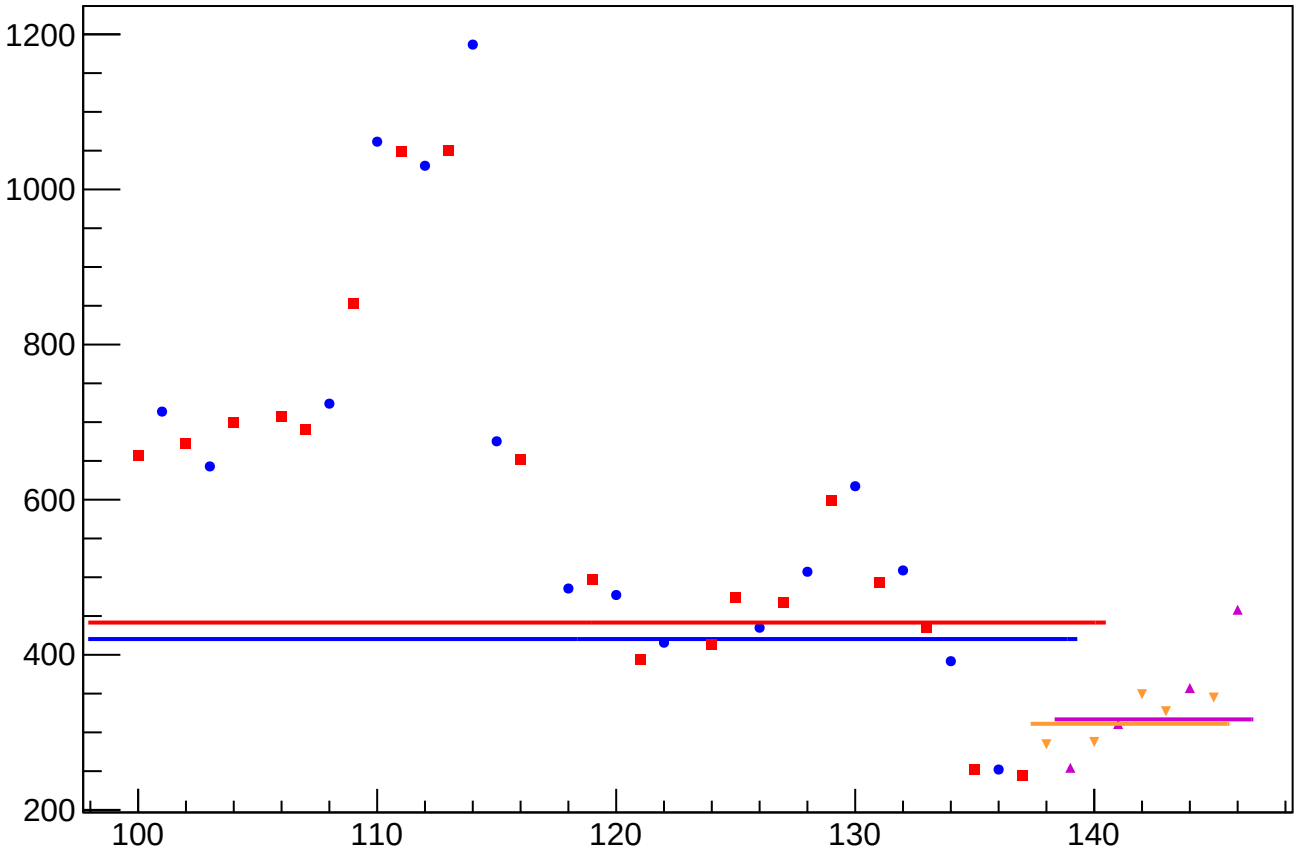
Left: -64.753+/-118.633 χ^2/NDF: 10.6/8

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -252.219+/-121.345 χ^2/NDF:12.8/19

Out: -26.115+/-119.575 χ^2/NDF:23.1/23

All: -137.506+/-85.171 χ^2/NDF: 37.7/43



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 311.070+/-0.115 χ^2/NDF:54436.0/4

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 316.768+/-0.122 χ^2/NDF:290950.5/3

Left: 313.746+/-0.084 χ^2/NDF: 346535.5/8

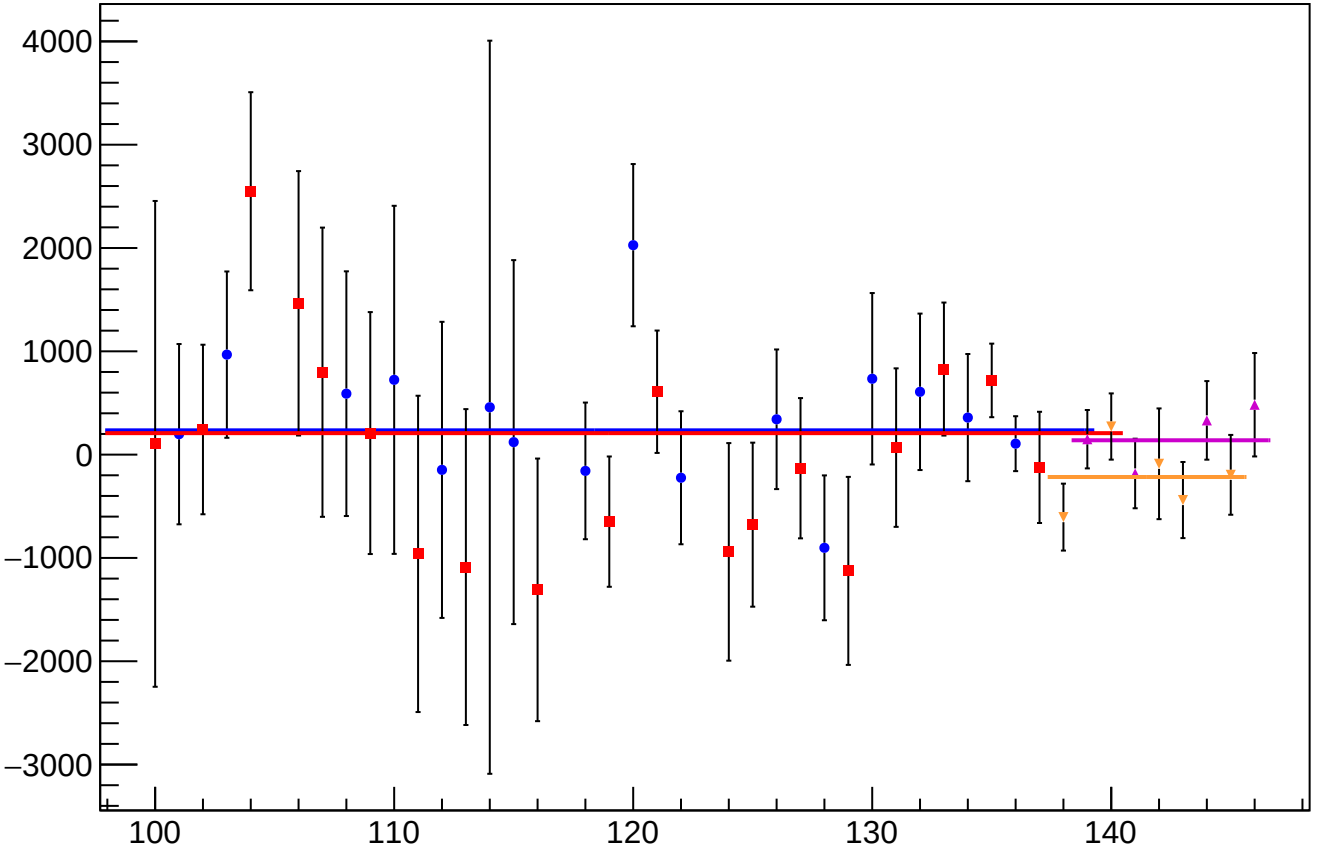
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 369.450+/-0.086 χ^2/NDF:2909634.9/19

Out: 371.258+/-0.085 χ^2/NDF:2954206.8/23

All: 370.367+/-0.060 χ^2/NDF: 5864066.9/43

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -216.637+/-164.828 χ^2/NDF:4.2/4

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: 138.920+/-176.101 χ^2/NDF:1.6/3

Left: -50.602+/-120.339 χ^2/NDF: 8.0/8

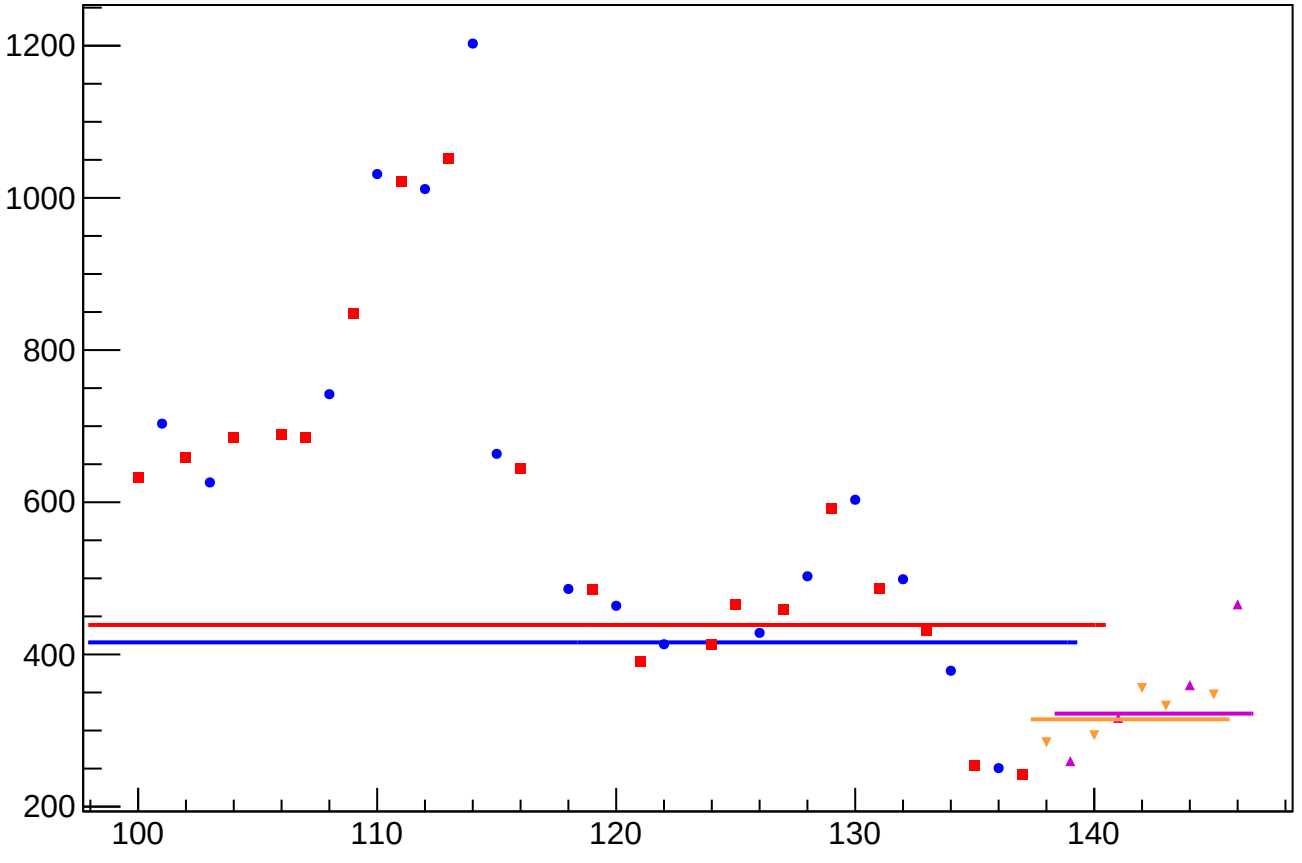
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 189.192+/-121.632 χ^2/NDF:12.5/19

Out: -16.704+/-119.894 χ^2/NDF:27.7/23

All: 84.763+/-85.386 χ^2/NDF: 41.6/43

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 314.718+/-0.117 χ^2/NDF:56702.0/4

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 322.260+/-0.125 χ^2/NDF:282266.0/3

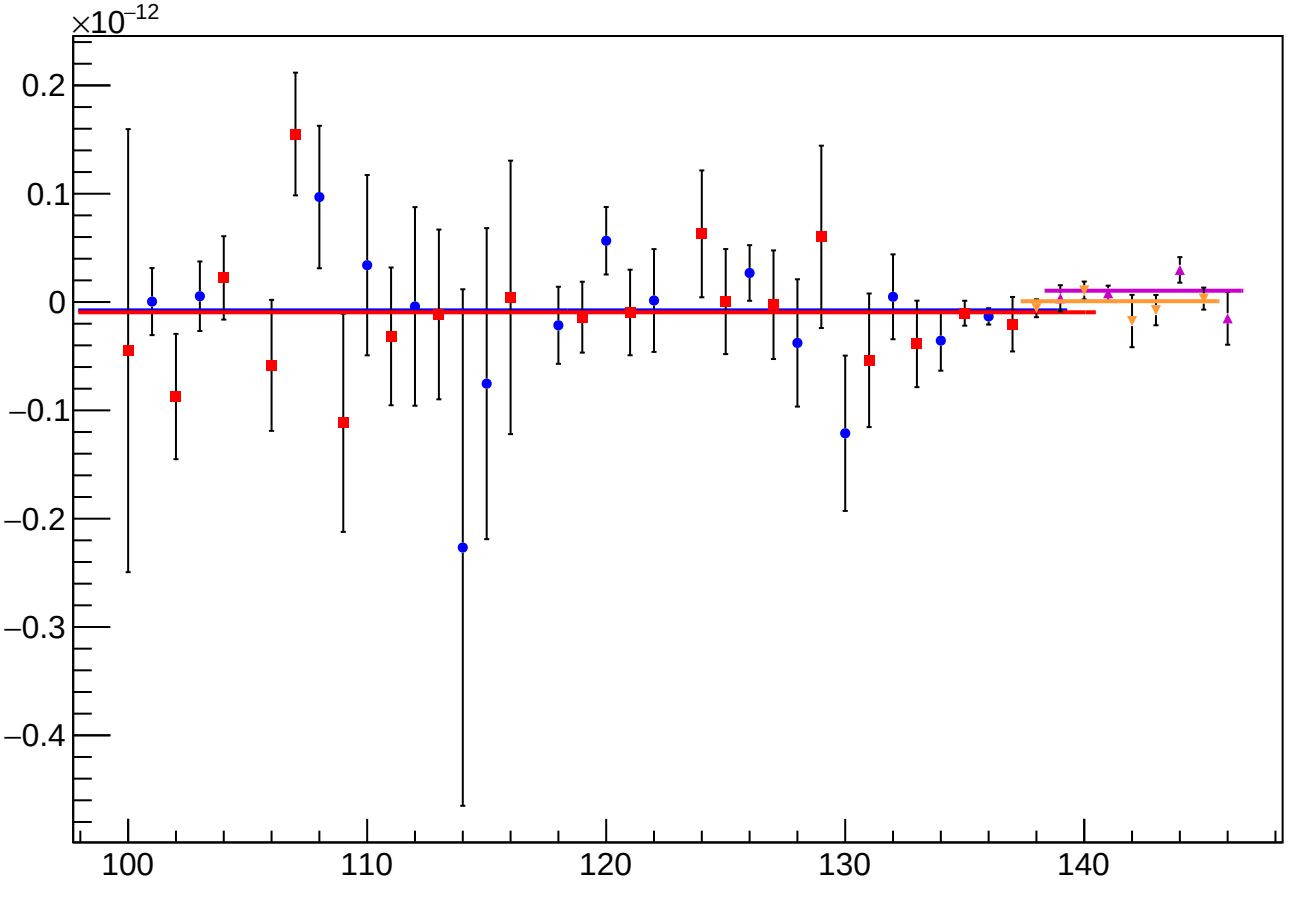
Left: 318.240+/-0.085 χ^2/NDF: 340923.3/8

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 371.196+/-0.086 χ^2/NDF:2801555.3/19

Out: 373.136+/-0.085 χ^2/NDF:2824971.4/23

All: 372.180+/-0.060 χ^2/NDF: 5626784.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/3

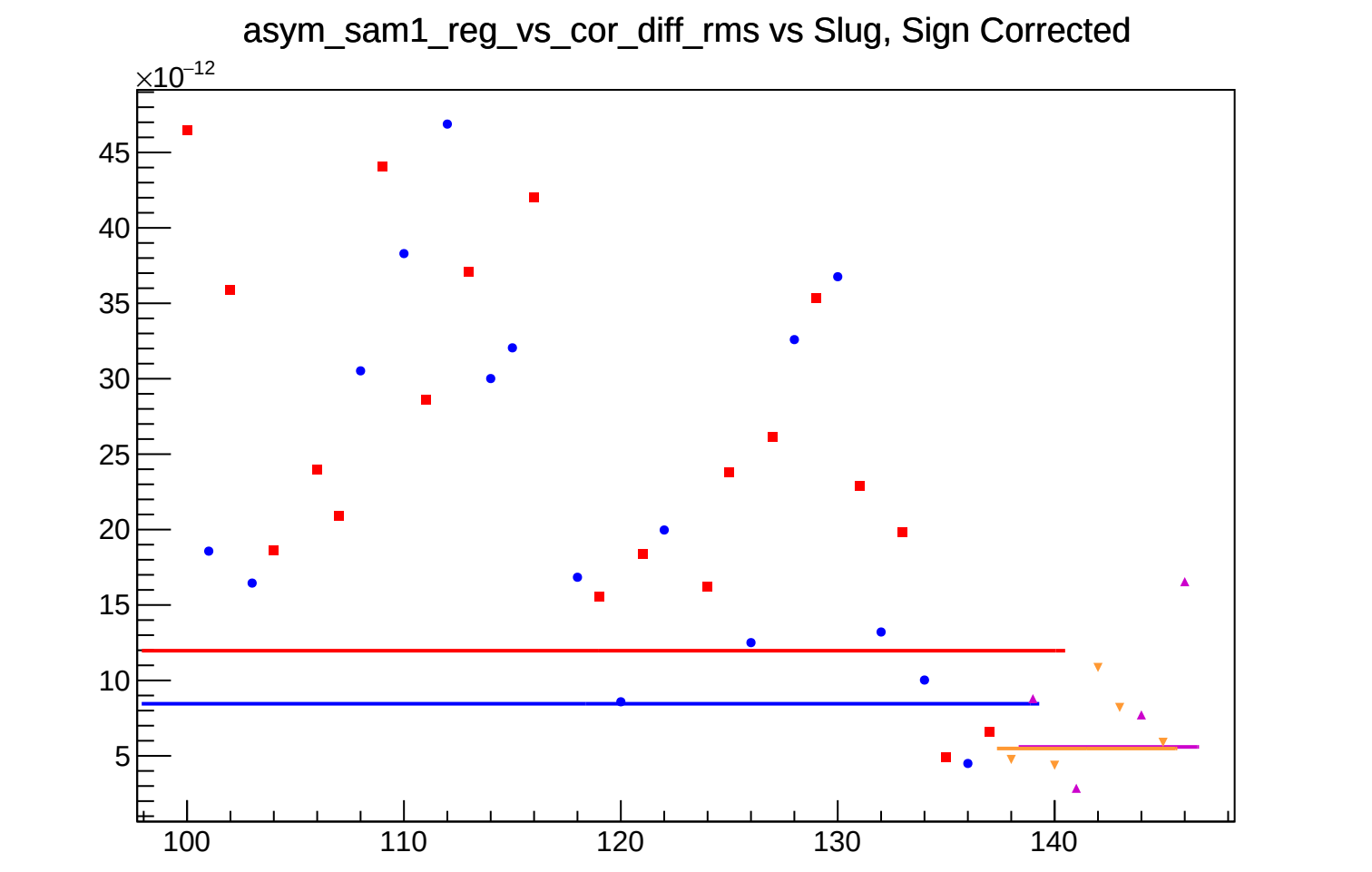
Left: 0.000+/-0.000 χ^2/NDF: 9.1/8

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:24.0/19

Out: -0.000+/-0.000 χ^2/NDF:20.6/23

All: 0.000+/-0.000 χ^2/NDF: 45.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:229851.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:912691.8/3

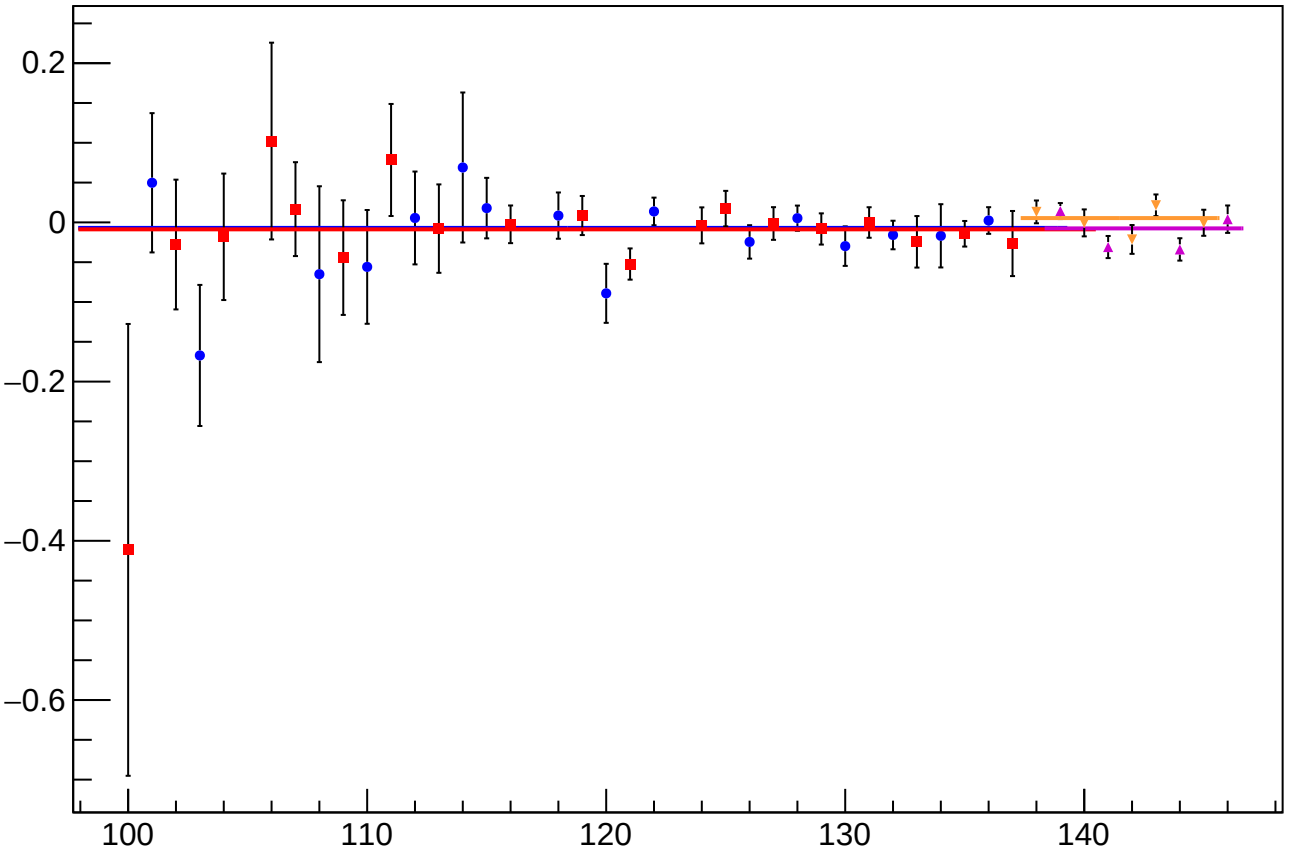
Left: 0.000+/-0.000 χ^2/NDF: 1142976.5/8

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:3917943.5/19

Out: 0.000+/-0.000 χ^2/NDF:3942877.7/23

All: 0.000+/-0.000 χ^2/NDF: 7865799.8/43



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.007 χ^2/NDF:4.1/4

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.007 χ^2/NDF:11.5/3

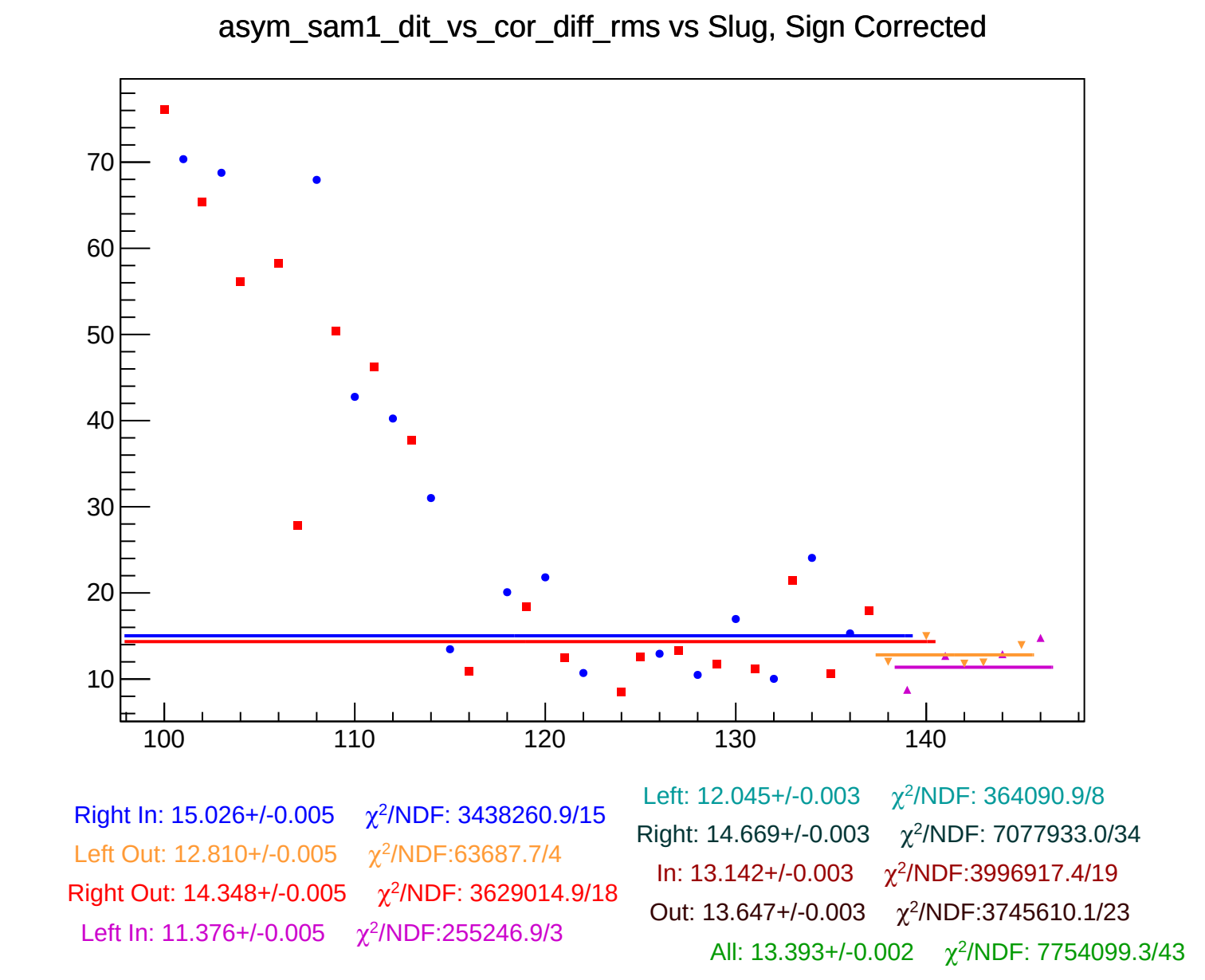
Left: -0.002+/-0.005 χ^2/NDF: 17.5/8

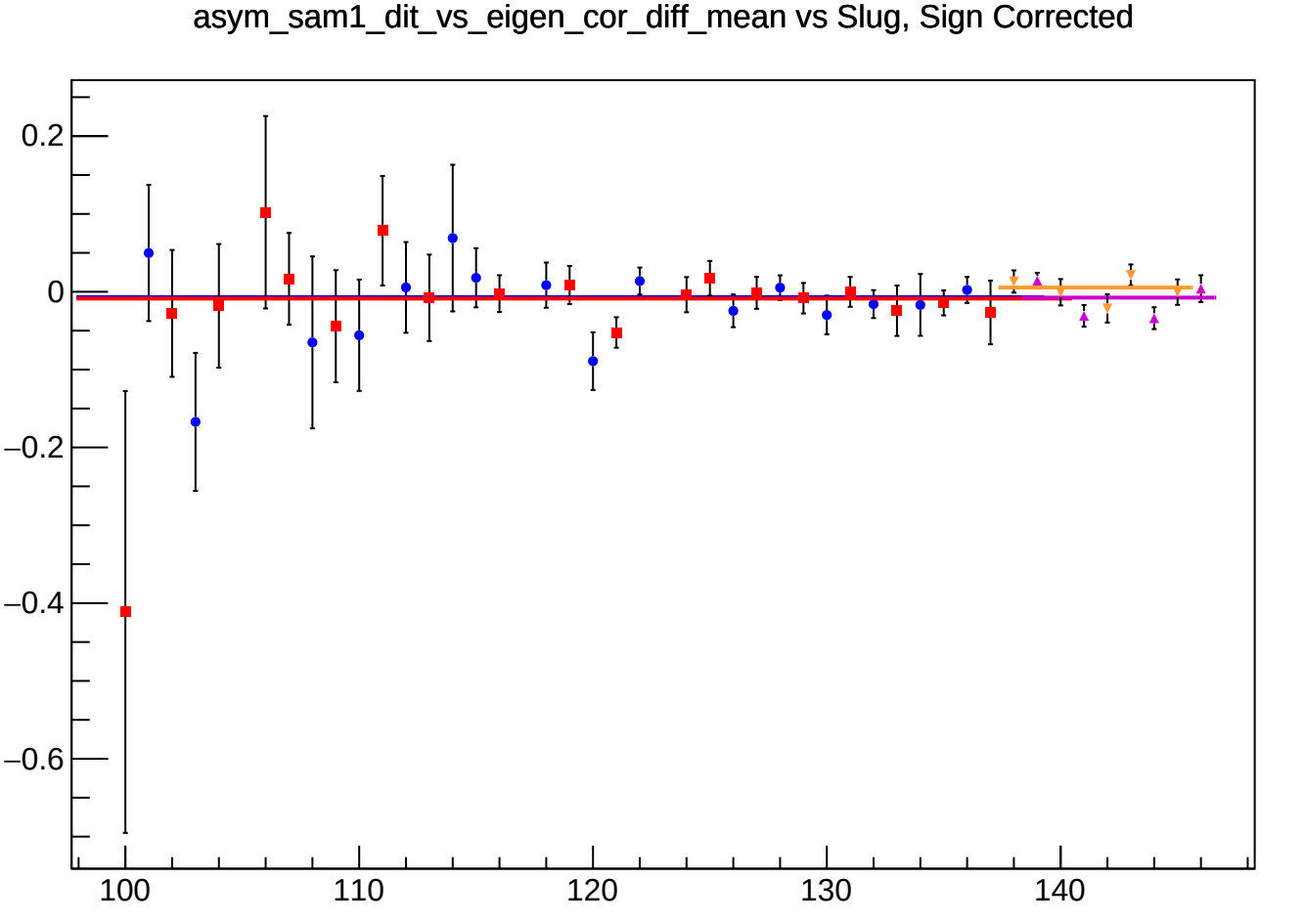
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/19

Out: -0.002+/-0.005 χ^2/NDF:19.0/23

All: -0.005+/-0.003 χ^2/NDF: 46.1/43


asym_sam1_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 15.026+/-0.005 χ²/NDF: 3438260.9/15
Left Out: 12.810+/-0.005 χ²/NDF:63687.7/4
Right Out: 14.348+/-0.005 χ²/NDF: 3629014.9/18
Left In: 11.376+/-0.005 χ²/NDF:255246.9/3
Left: 12.045+/-0.003 χ²/NDF: 364090.9/8
Right: 14.669+/-0.003 χ²/NDF: 7077933.0/34
In: 13.142+/-0.003 χ²/NDF:3996917.4/19
Out: 13.647+/-0.003 χ²/NDF:3745610.1/23
All: 13.393+/-0.002 χ²/NDF: 7754099.3/43



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.007 χ^2/NDF:4.1/4

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.007 χ^2/NDF:11.5/3

Left: -0.002+/-0.005 χ^2/NDF: 17.5/8

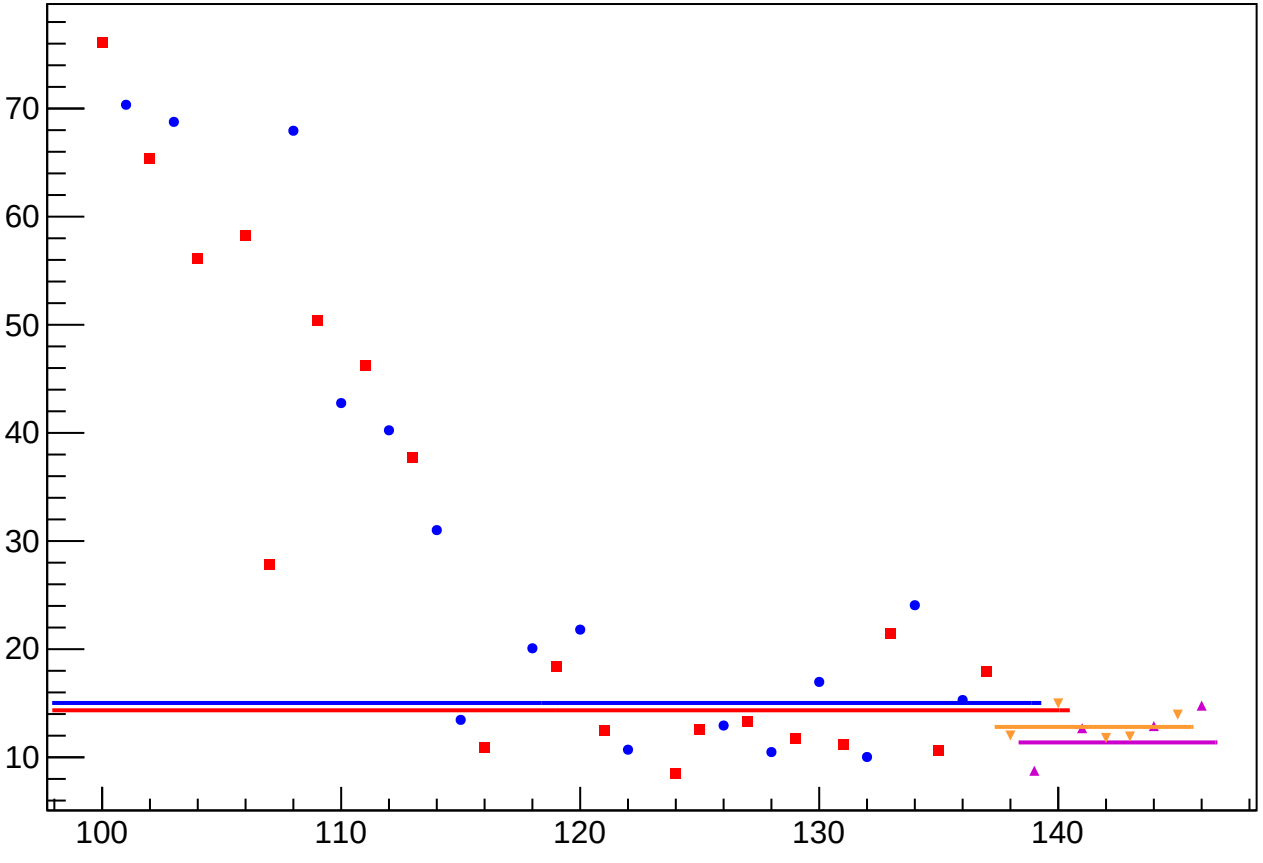
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/19

Out: -0.002+/-0.005 χ^2/NDF:19.0/23

All: -0.005+/-0.003 χ^2/NDF: 46.1/43

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: 12.810+/-0.005 χ^2/NDF:63687.7/4

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 11.376+/-0.005 χ^2/NDF:255246.9/3

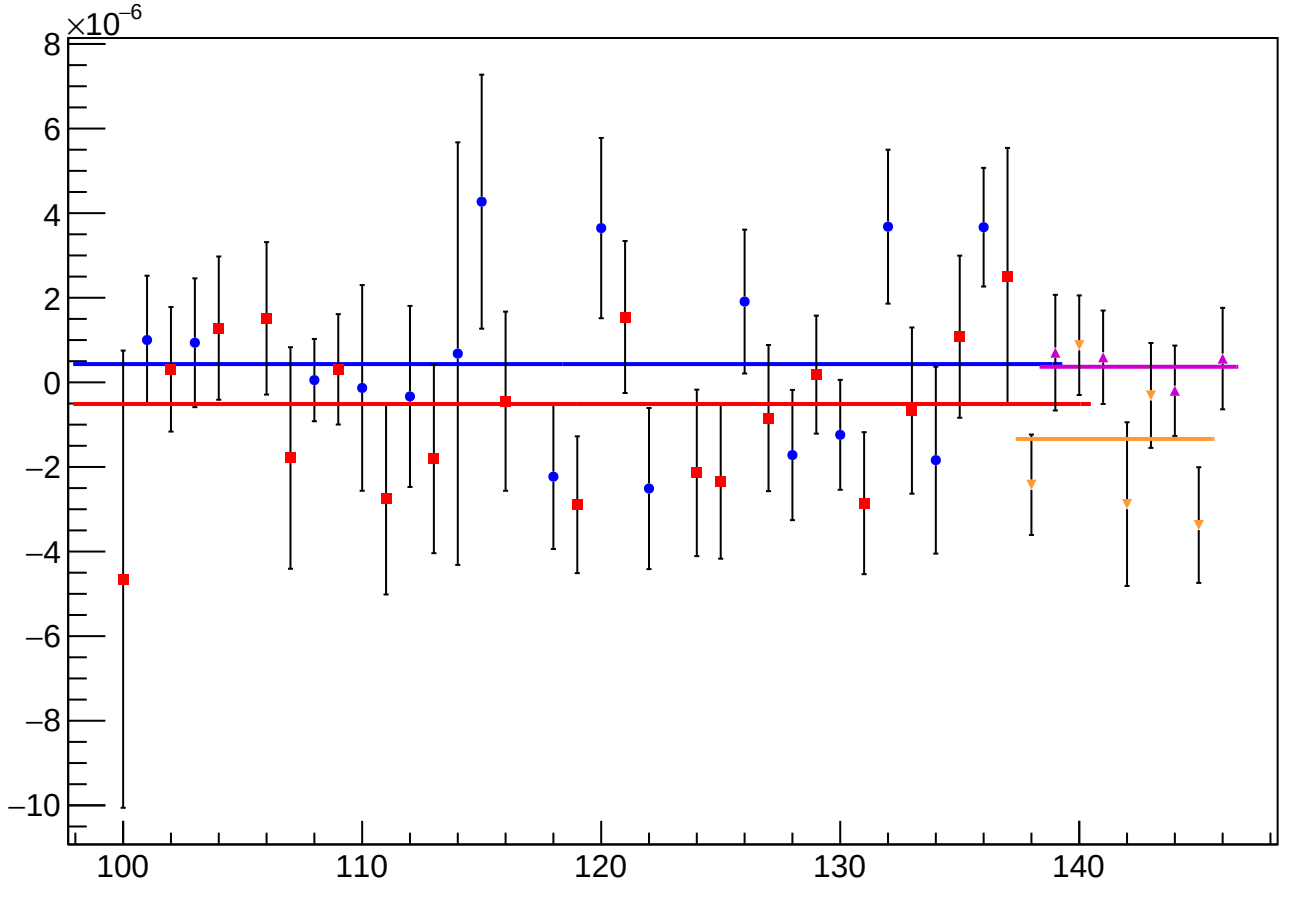
Left: 12.045+/-0.003 χ^2/NDF: 364090.9/8

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.142+/-0.003 χ^2/NDF:3996917.4/19

Out: 13.647+/-0.003 χ^2/NDF:3745610.1/23

All: 13.393+/-0.002 χ^2/NDF: 7754099.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/3

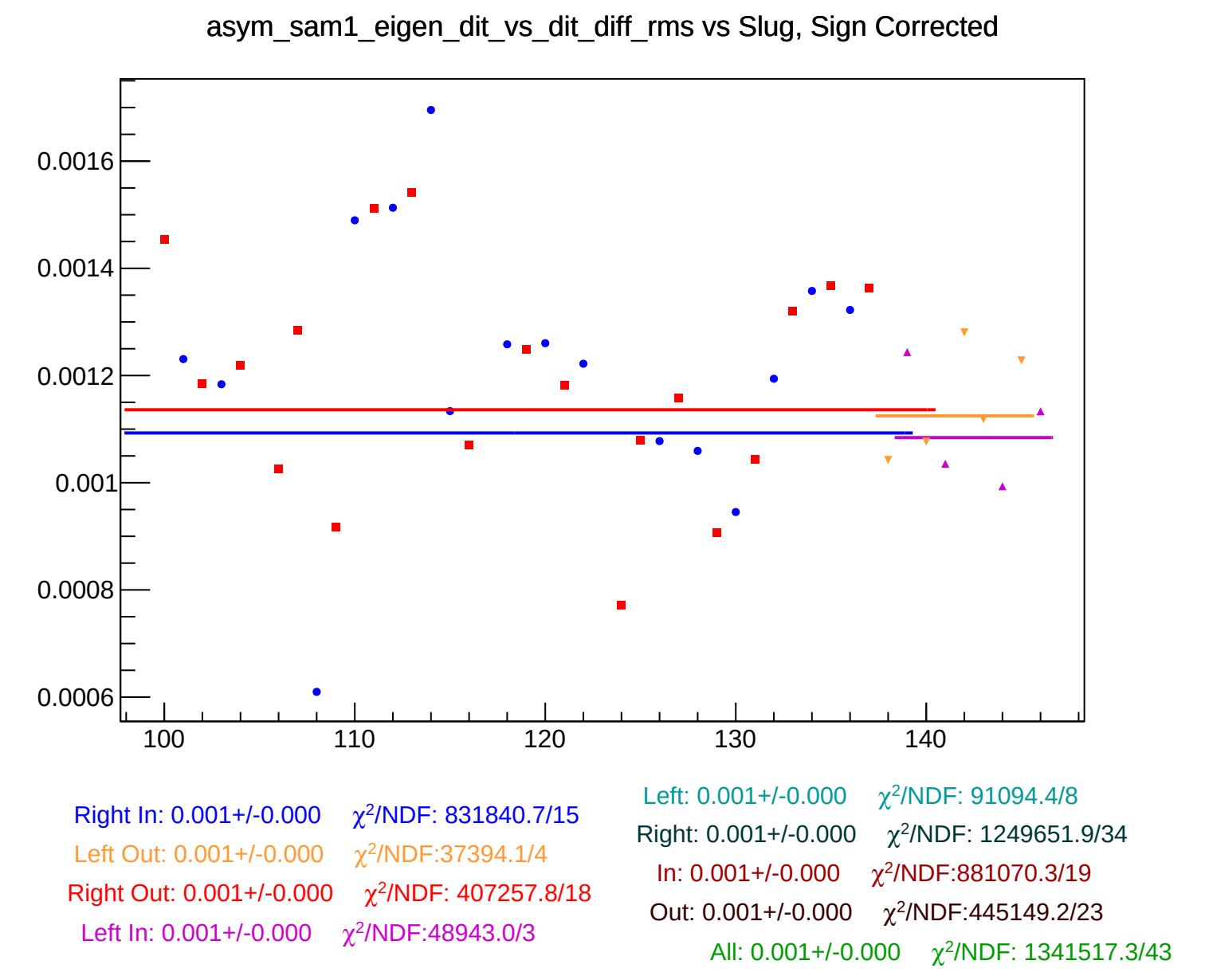
Left: -0.000+/-0.000 χ^2/NDF: 12.6/8

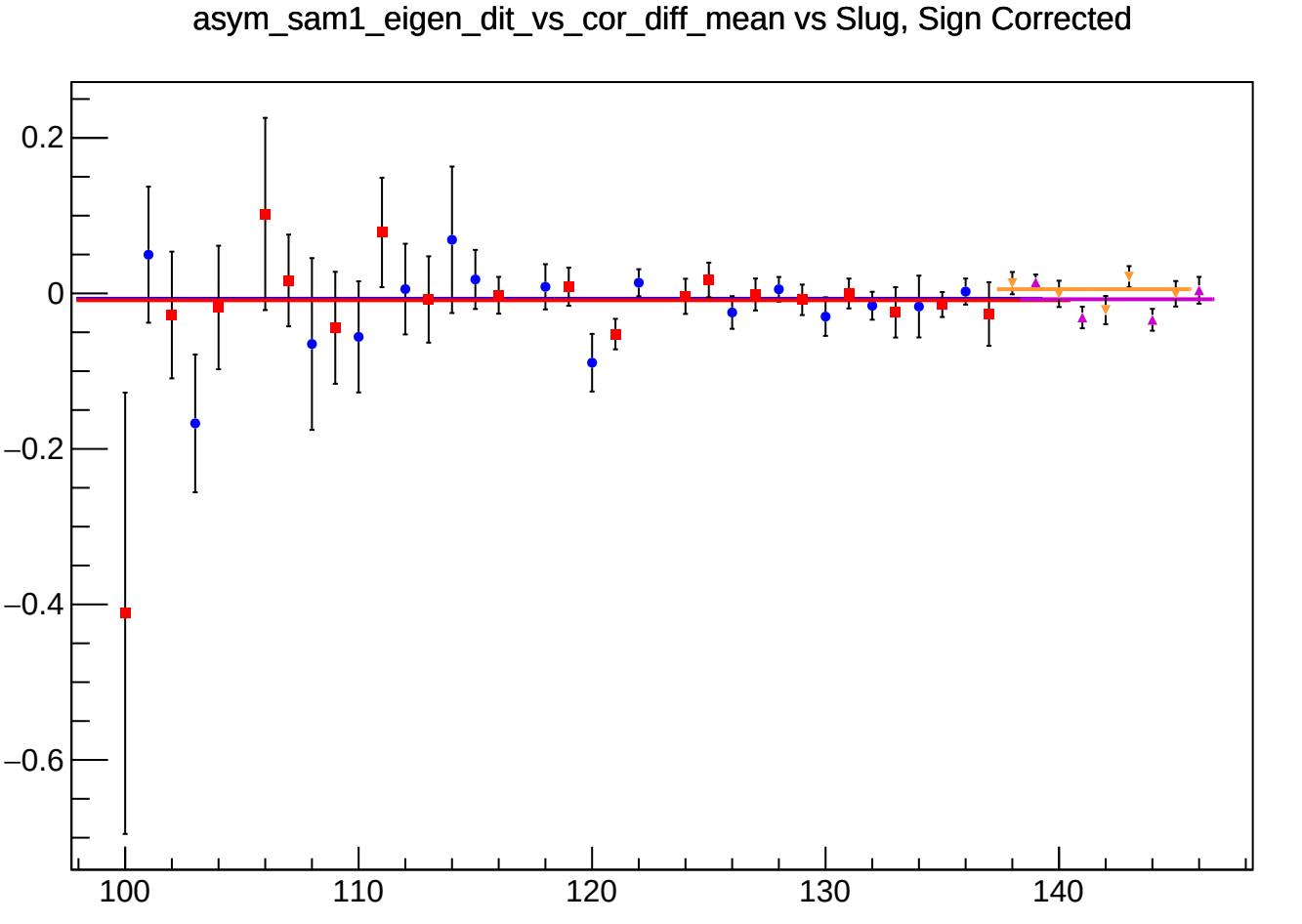
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:23.6/19

Out: -0.000+/-0.000 χ^2/NDF:23.5/23

All: -0.000+/-0.000 χ^2/NDF: 53.3/43


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:37394.1/4
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:48943.0/3
Left: 0.001+/-0.000 χ²/NDF: 91094.4/8
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:881070.3/19
Out: 0.001+/-0.000 χ²/NDF:445149.2/23
All: 0.001+/-0.000 χ²/NDF: 1341517.3/43



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.007 χ^2/NDF:4.1/4

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.007 χ^2/NDF:11.5/3

Left: -0.002+/-0.005 χ^2/NDF: 17.5/8

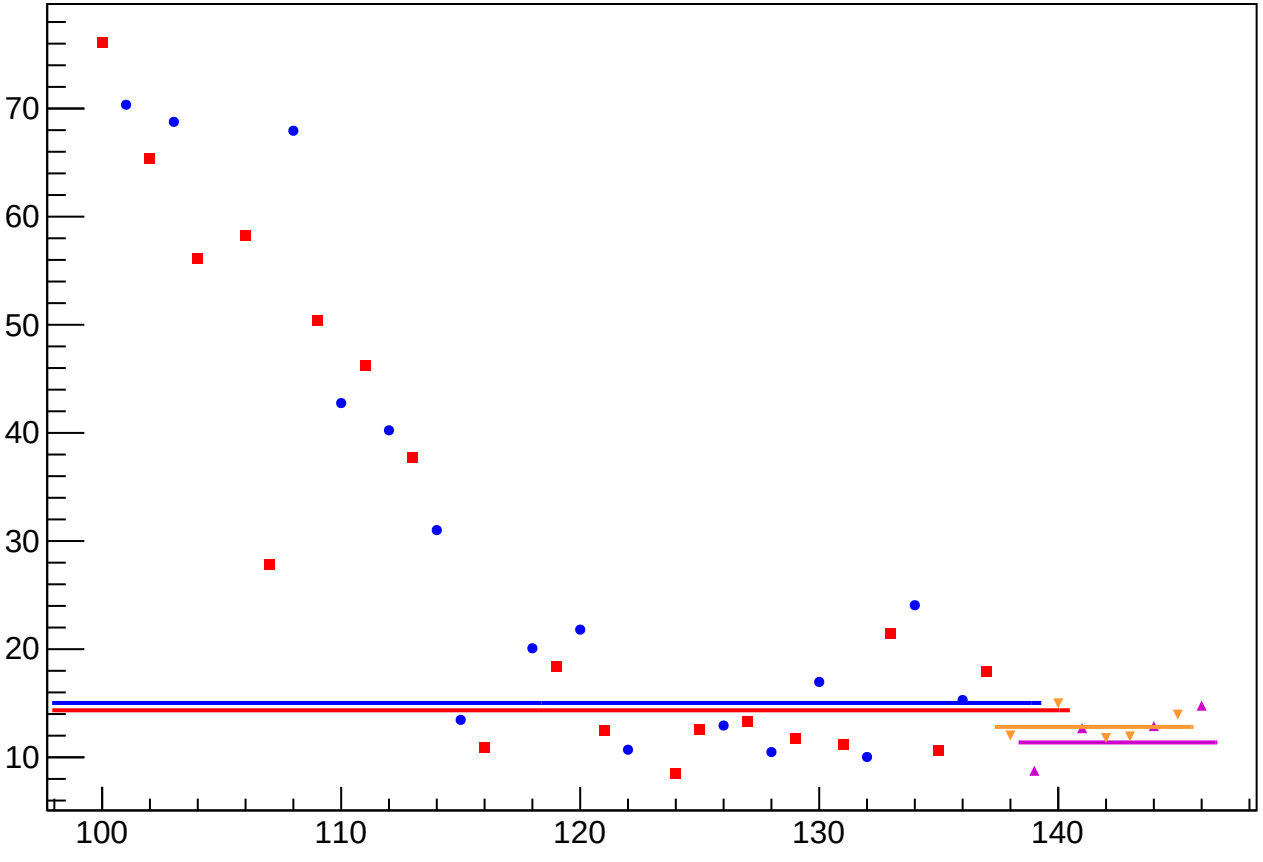
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/19

Out: -0.002+/-0.005 χ^2/NDF:19.0/23

All: -0.005+/-0.003 χ^2/NDF: 46.1/43

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 12.810+/-0.005 χ^2/NDF:63688.0/4

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 11.376+/-0.005 χ^2/NDF:255261.2/3

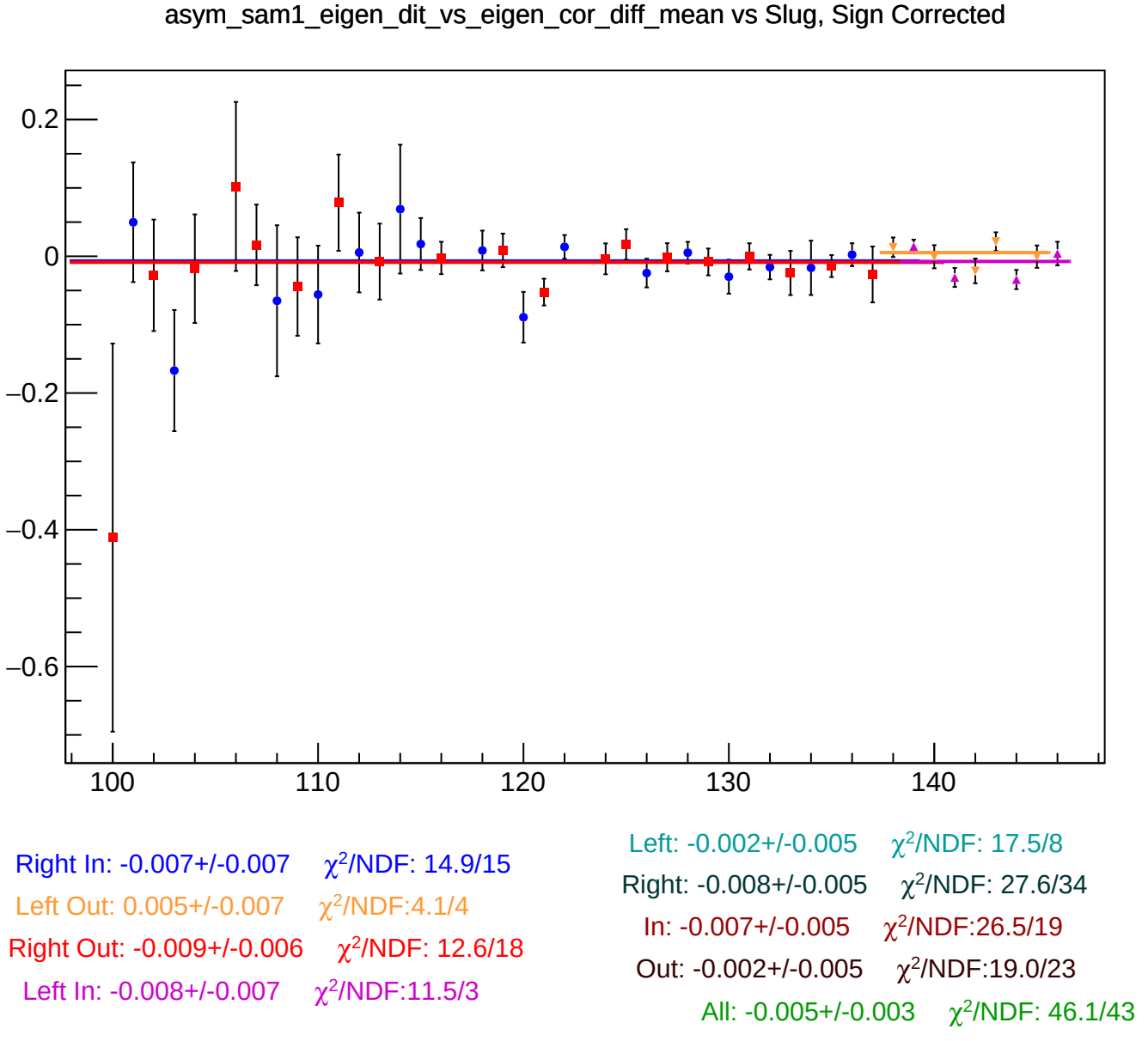
Left: 12.044+/-0.003 χ^2/NDF: 364110.3/8

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

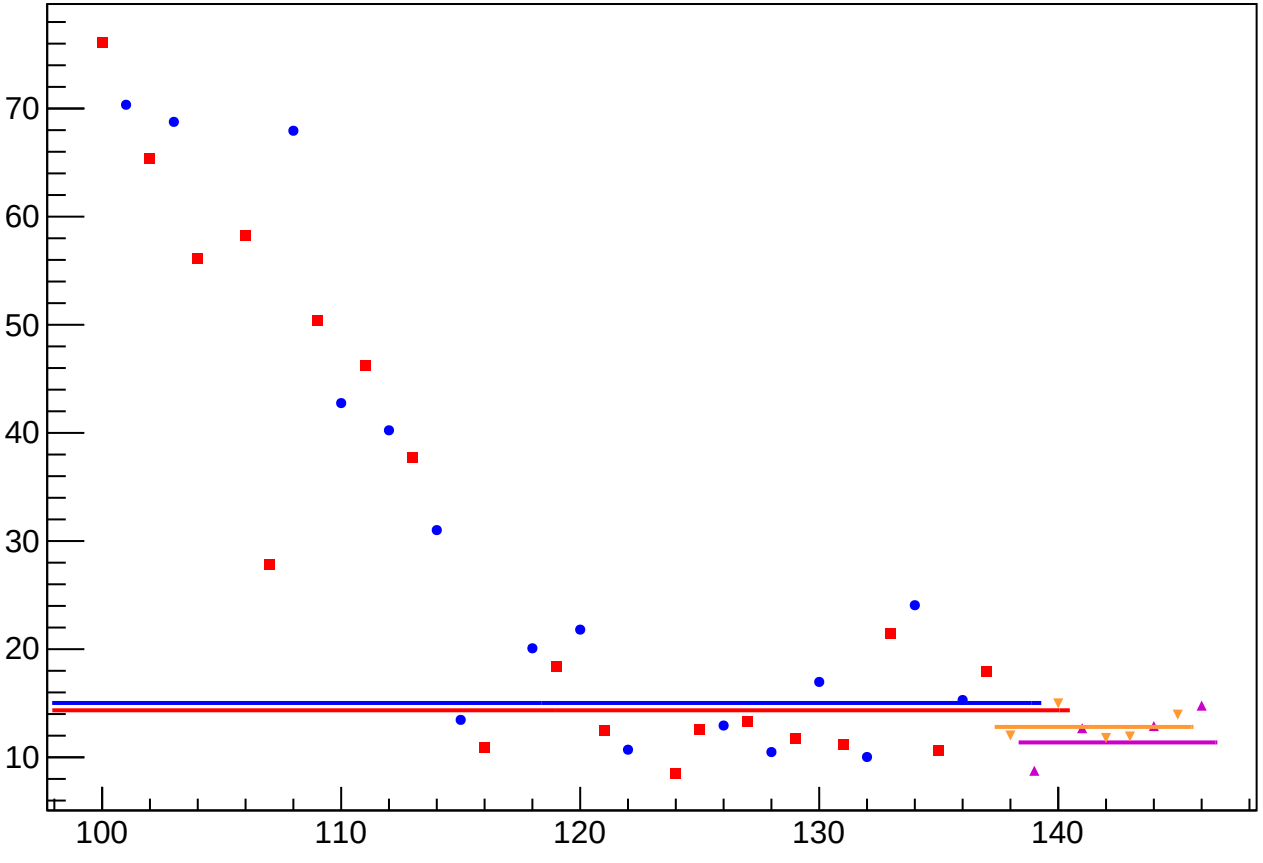
In: 13.142+/-0.003 χ^2/NDF:3996927.6/19

Out: 13.647+/-0.003 χ^2/NDF:3745590.7/23

All: 13.393+/-0.002 χ^2/NDF: 7754093.3/43


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
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.005+/-0.007 χ²/NDF:4.1/4
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.008+/-0.007 χ²/NDF:11.5/3
Left: -0.002+/-0.005 χ²/NDF: 17.5/8
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.007+/-0.005 χ²/NDF:26.5/19
Out: -0.002+/-0.005 χ²/NDF:19.0/23
All: -0.005+/-0.003 χ²/NDF: 46.1/43

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 12.810+/-0.005 χ^2/NDF:63688.0/4

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 11.376+/-0.005 χ^2/NDF:255261.2/3

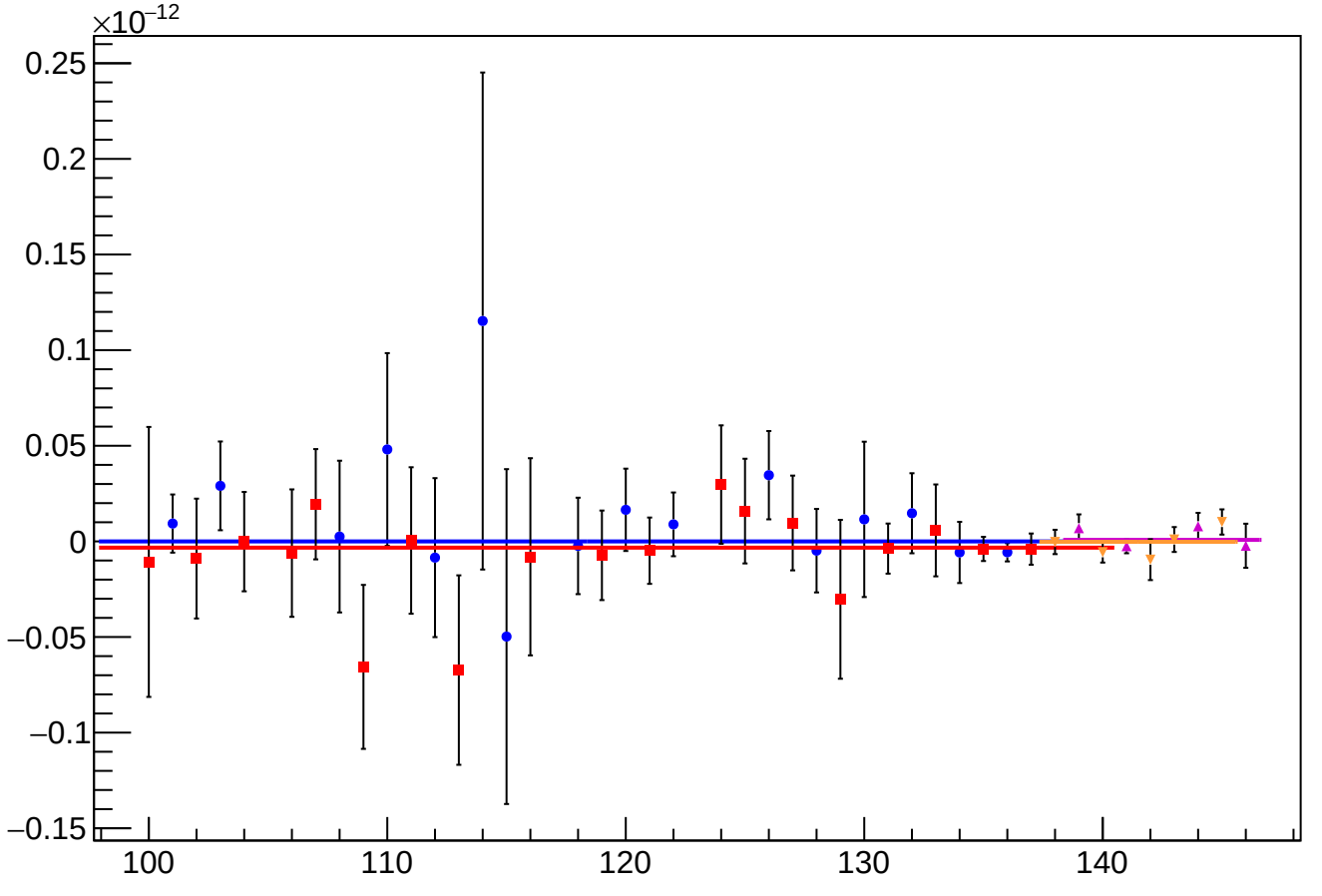
Left: 12.044+/-0.003 χ^2/NDF: 364110.3/8

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.142+/-0.003 χ^2/NDF:3996927.6/19

Out: 13.647+/-0.003 χ^2/NDF:3745590.7/23

All: 13.393+/-0.002 χ^2/NDF: 7754093.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/3

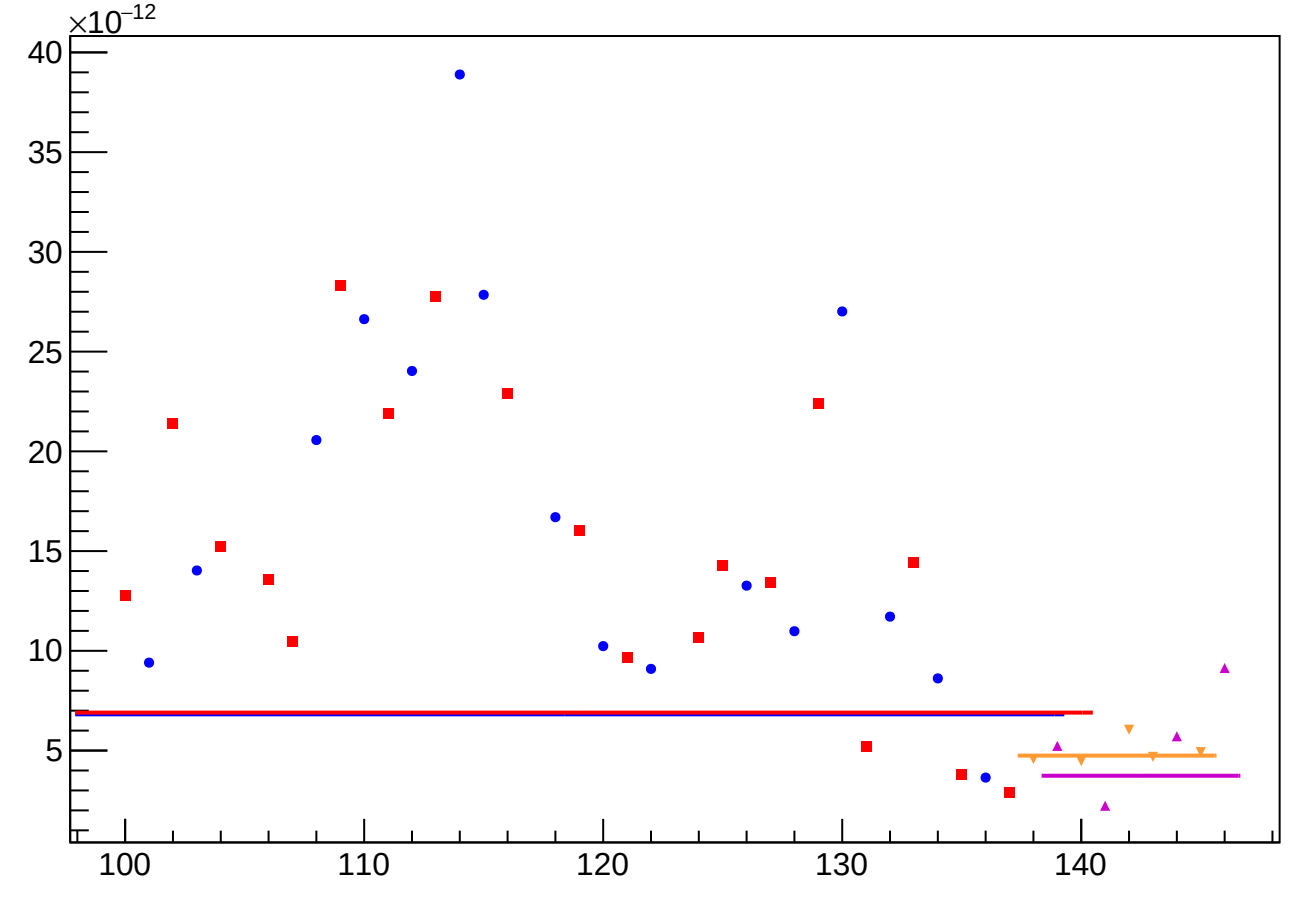
Left: 0.000+/-0.000 χ^2/NDF: 6.9/8

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: 0.000+/-0.000 χ^2/NDF:11.9/19

Out: -0.000+/-0.000 χ^2/NDF:11.7/23

All: -0.000+/-0.000 χ^2/NDF: 23.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:37795.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1013956.8/3

Left: 0.000+/-0.000 χ^2/NDF: 1171094.6/8

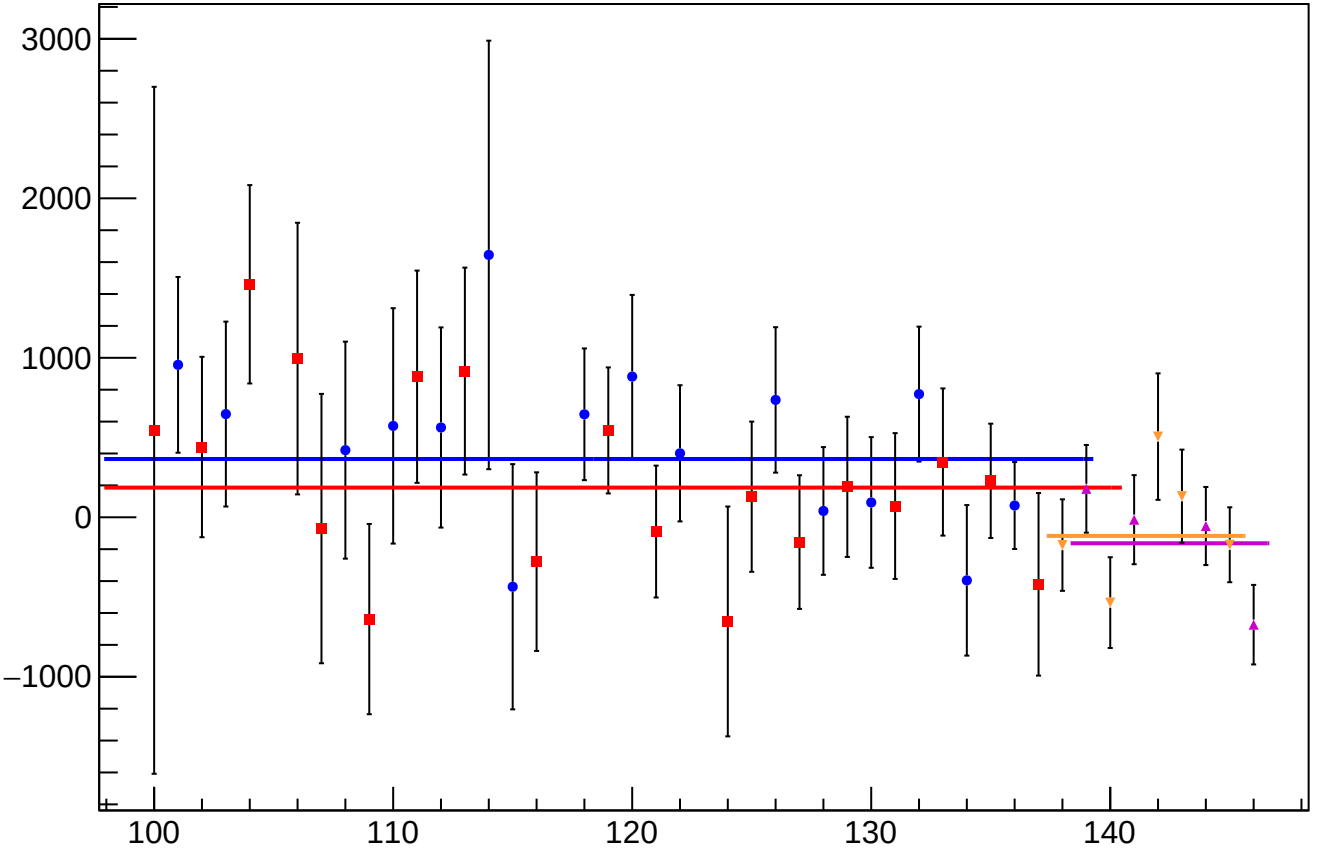
Right: 0.000+/-0.000 χ^2/NDF: 7753131.5/34

In: 0.000+/-0.000 χ^2/NDF:5361280.3/19

Out: 0.000+/-0.000 χ^2/NDF:4660544.1/23

All: 0.000+/-0.000 χ^2/NDF: 10100608.6/43

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -116.641+/-128.350 χ^2/NDF:5.4/4

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -162.804+/-130.413 χ^2/NDF:6.2/3

Left: -139.355+/-91.478 χ^2/NDF: 11.7/8

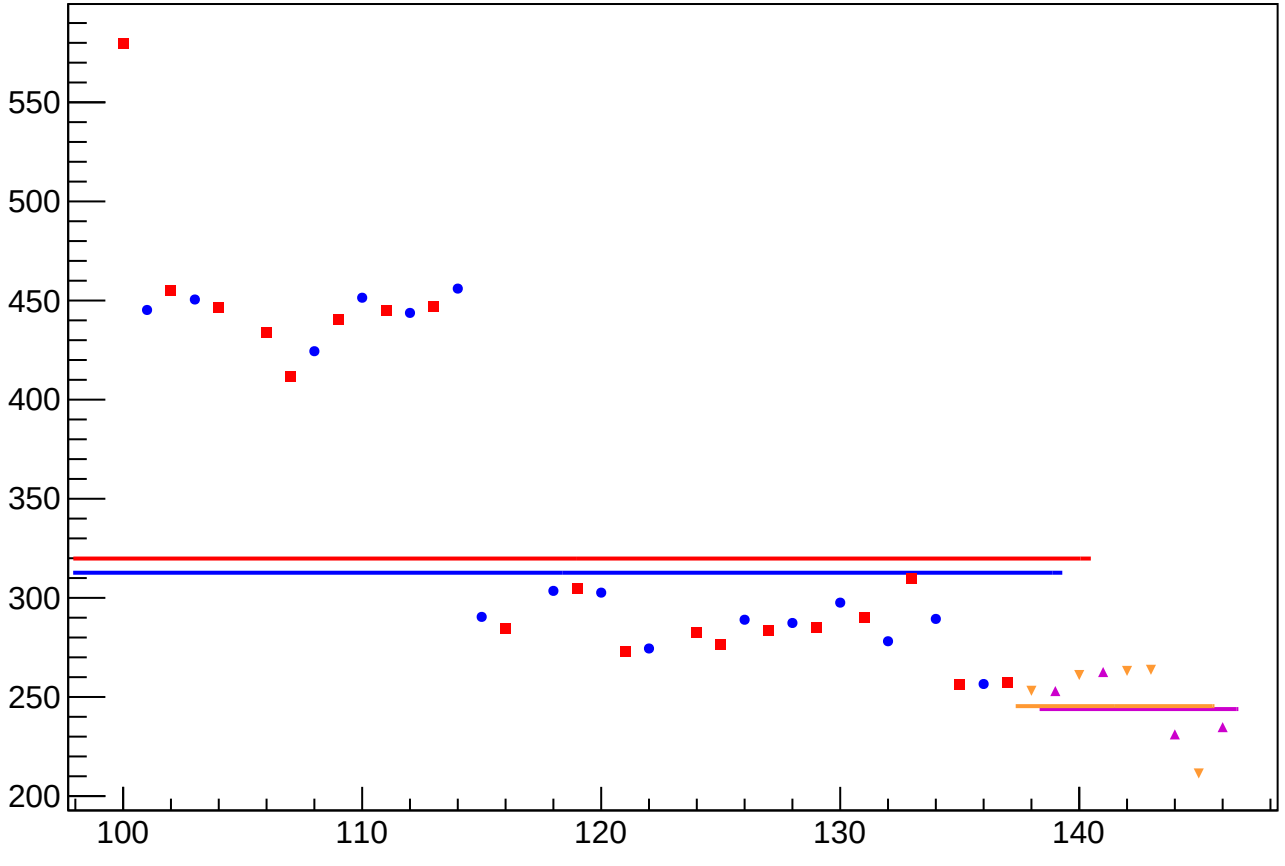
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 125.774+/-87.853 χ^2/NDF:26.7/19

Out: 44.683+/-87.729 χ^2/NDF:23.4/23

All: 85.171+/-62.078 χ^2/NDF: 50.5/43

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 245.379+/-0.091 χ^2/NDF:61245.7/4

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

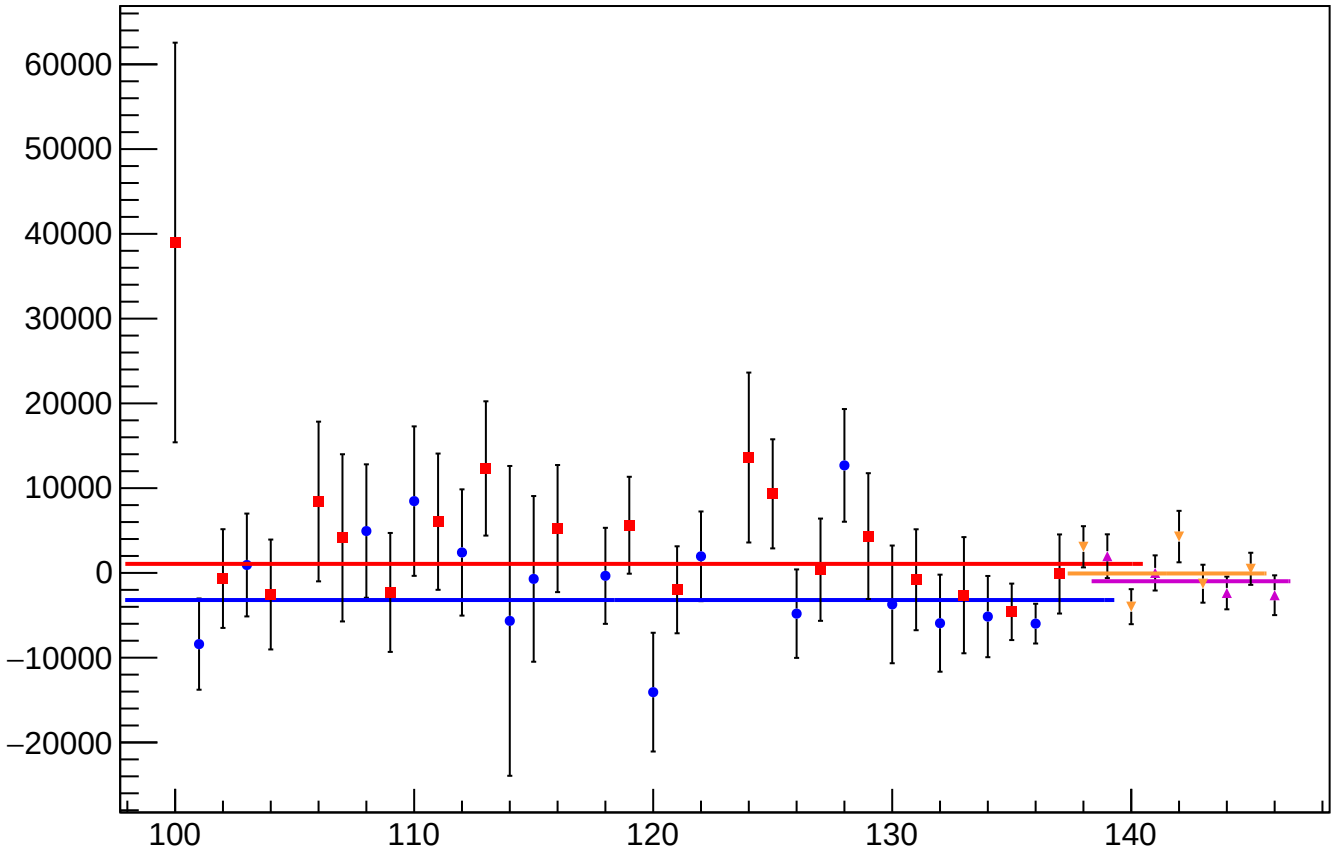
Left: 244.654+/-0.065 χ^2/NDF: 80616.0/8

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 281.471+/-0.062 χ^2/NDF:925275.0/19

Out: 285.053+/-0.062 χ^2/NDF:1117771.9/23

All: 283.264+/-0.044 χ^2/NDF: 2044711.5/43



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -65.899+/-1004.766 χ^2/NDF:7.7/4

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -981.682+/-1096.260 χ^2/NDF:2.5/3

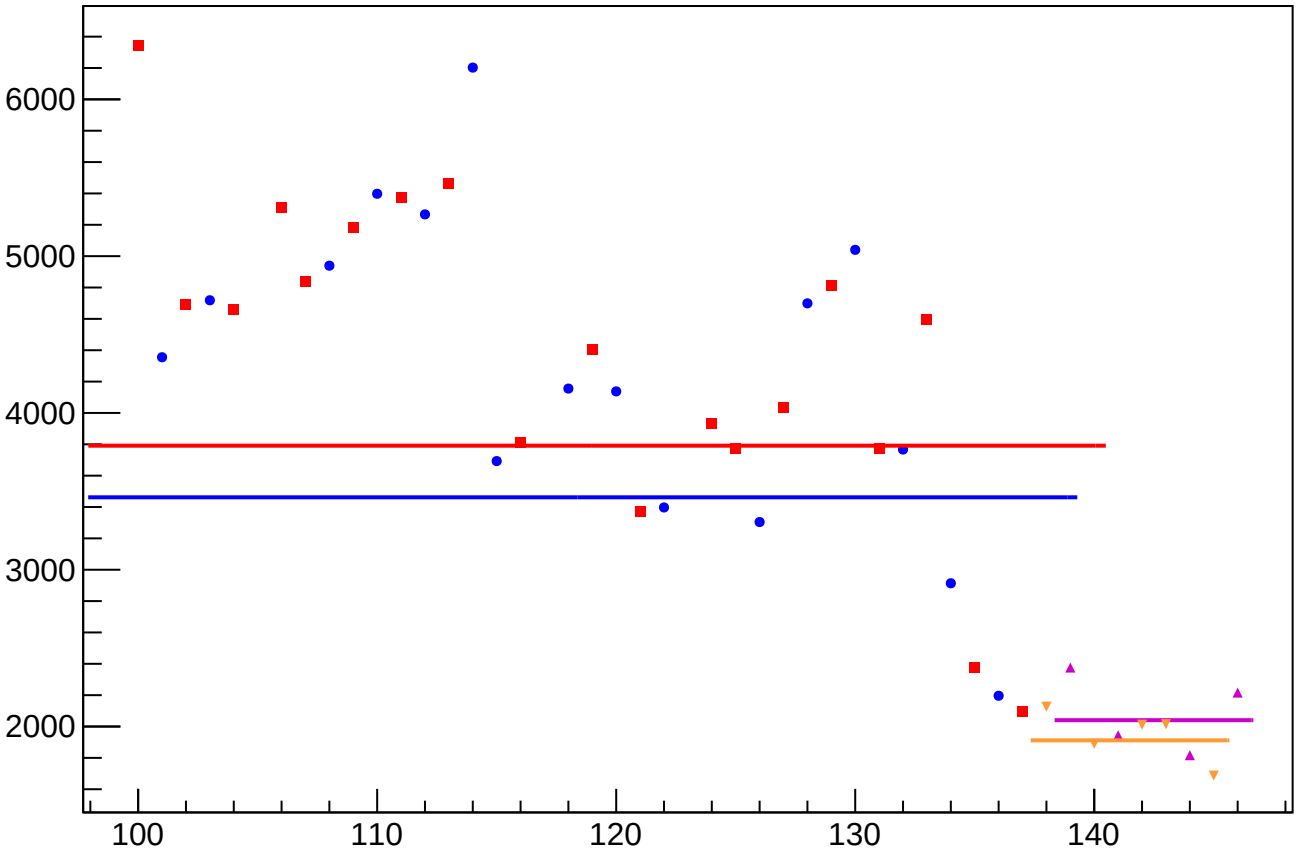
Left: -483.986+/-740.714 χ^2/NDF: 10.6/8

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -1859.700+/-851.965 χ^2/NDF:20.3/19

Out: 303.563+/-824.627 χ^2/NDF:22.5/23

All: -742.804+/-592.528 χ^2/NDF: 46.1/43



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1911.728+/-0.710 χ^2/NDF:50410.1/4

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2040.554+/-0.775 χ^2/NDF:76068.4/3

Left: 1970.541+/-0.524 χ^2/NDF: 141488.6/8

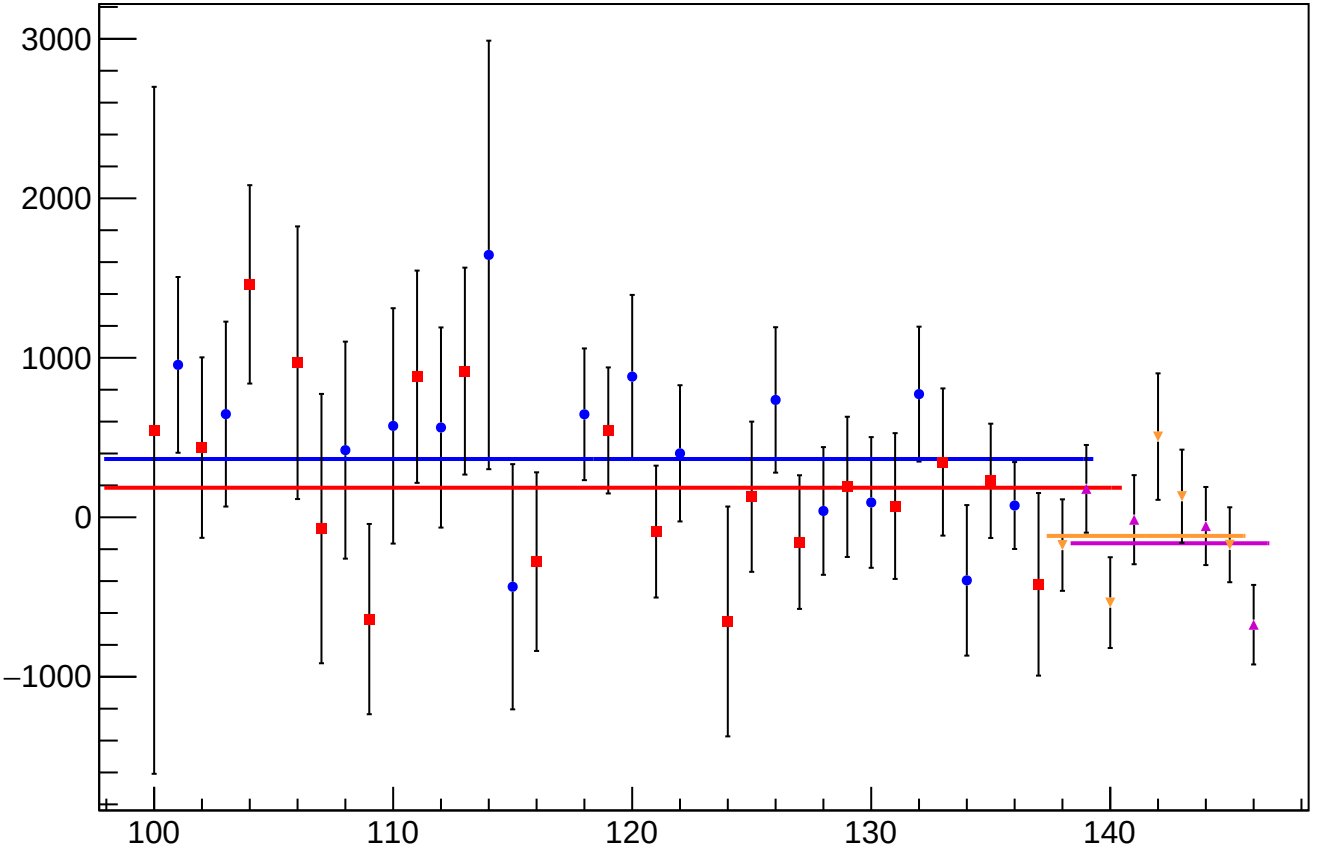
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2603.458+/-0.602 χ^2/NDF:2717161.0/19

Out: 2525.240+/-0.583 χ^2/NDF:3490507.5/23

All: 2563.074+/-0.419 χ^2/NDF: 6216372.1/43

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -116.644+/-128.350 χ^2/NDF:5.4/4

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -162.802+/-130.413 χ^2/NDF:6.2/3

Left: -139.355+/-91.478 χ^2/NDF: 11.7/8

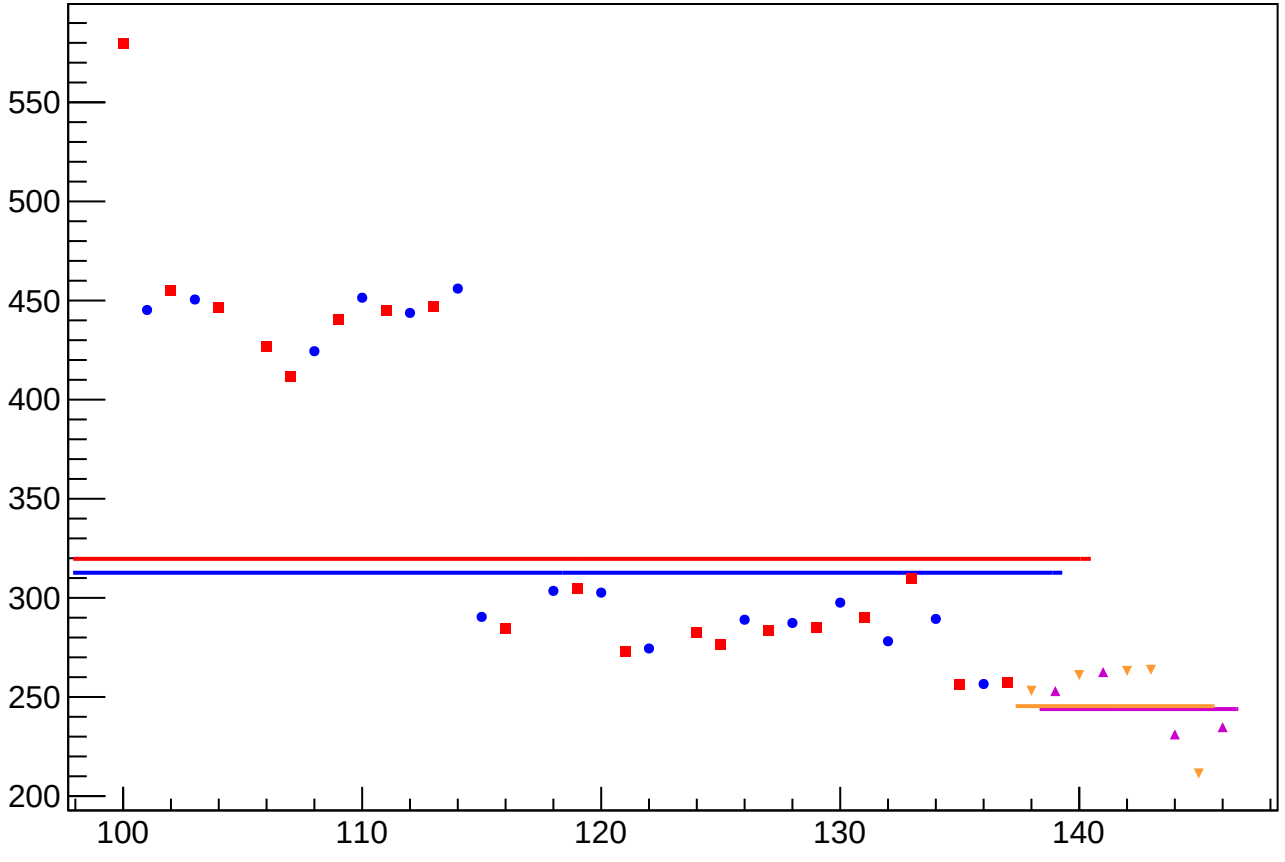
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 125.766+/-87.853 χ^2/NDF:26.7/19

Out: 44.236+/-87.734 χ^2/NDF:23.3/23

All: 84.946+/-62.079 χ^2/NDF: 50.4/43

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 245.379+/-0.091 χ^2/NDF:61245.7/4

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

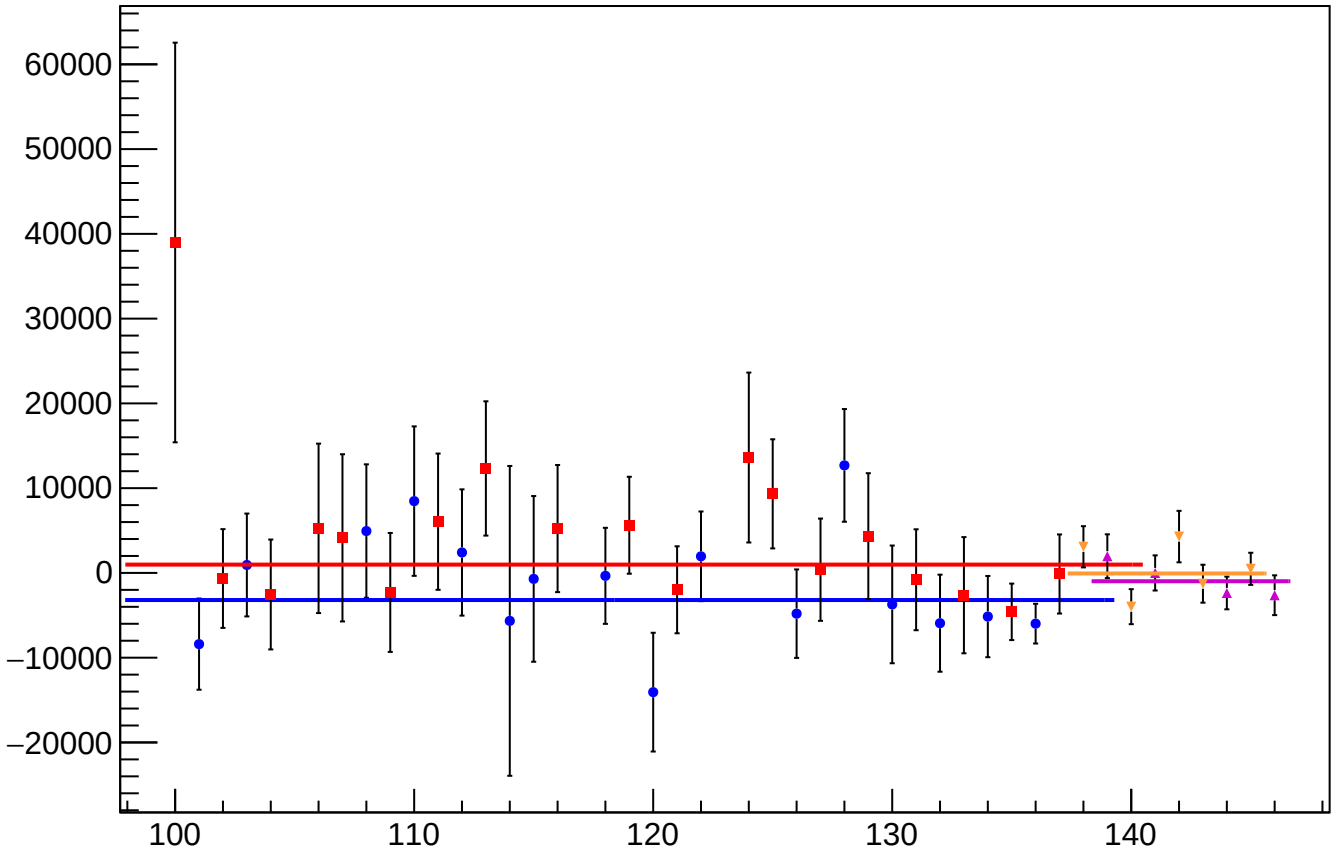
Left: 244.654+/-0.065 χ^2/NDF: 80616.0/8

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 281.471+/-0.062 χ^2/NDF:925276.6/19

Out: 284.970+/-0.062 χ^2/NDF:1112151.5/23

All: 283.223+/-0.044 χ^2/NDF: 2039016.8/43



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -65.899+/-1004.766 χ^2/NDF:7.7/4

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -981.651+/-1096.260 χ^2/NDF:2.5/3

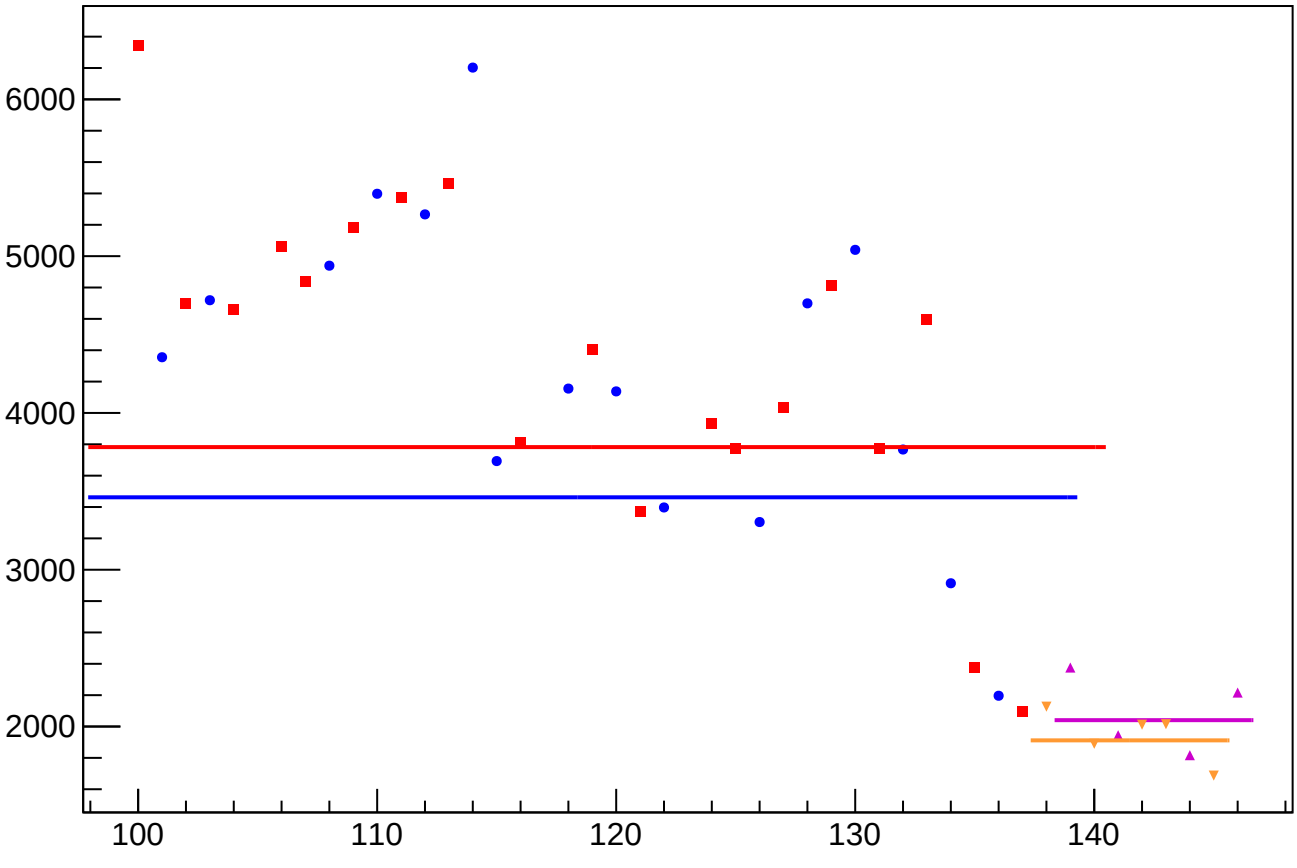
Left: -483.972+/-740.714 χ^2/NDF: 10.6/8

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1859.652+/-851.966 χ^2/NDF:20.3/19

Out: 275.199+/-824.988 χ^2/NDF:22.0/23

All: -757.891+/-592.663 χ^2/NDF: 45.5/43



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1911.727+/-0.710 χ^2/NDF:50410.9/4

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2040.554+/-0.775 χ^2/NDF:76068.8/3

Left: 1970.541+/-0.524 χ^2/NDF: 141490.0/8

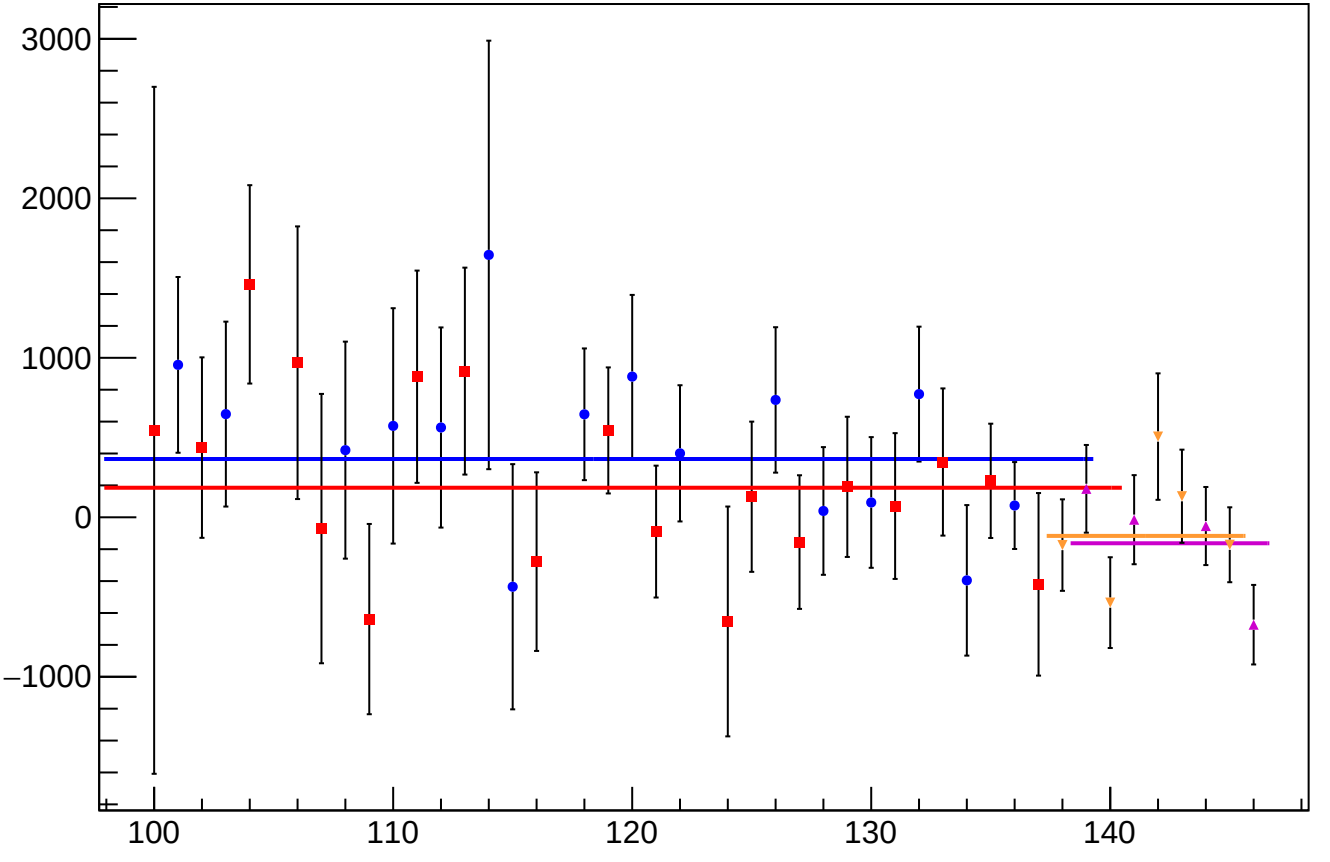
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2603.458+/-0.602 χ^2/NDF:2717181.7/19

Out: 2521.188+/-0.583 χ^2/NDF:3445107.4/23

All: 2561.000+/-0.419 χ^2/NDF: 6171913.8/43

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -116.644+/-128.350 χ^2/NDF:5.4/4

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -162.802+/-130.413 χ^2/NDF:6.2/3

Left: -139.355+/-91.478 χ^2/NDF: 11.7/8

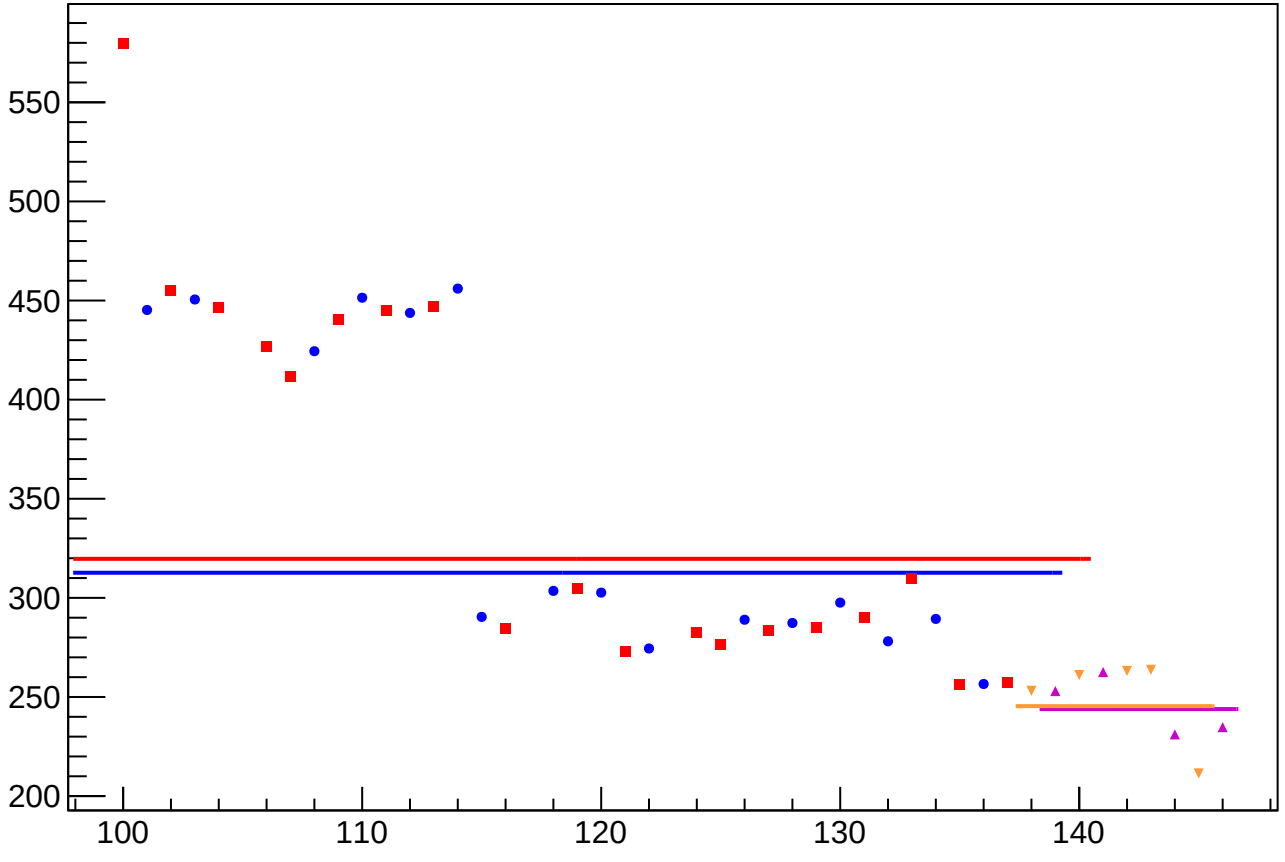
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 125.766+/-87.853 χ^2/NDF:26.7/19

Out: 44.236+/-87.734 χ^2/NDF:23.3/23

All: 84.946+/-62.079 χ^2/NDF: 50.4/43

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 245.379+/-0.091 χ^2/NDF:61245.7/4

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

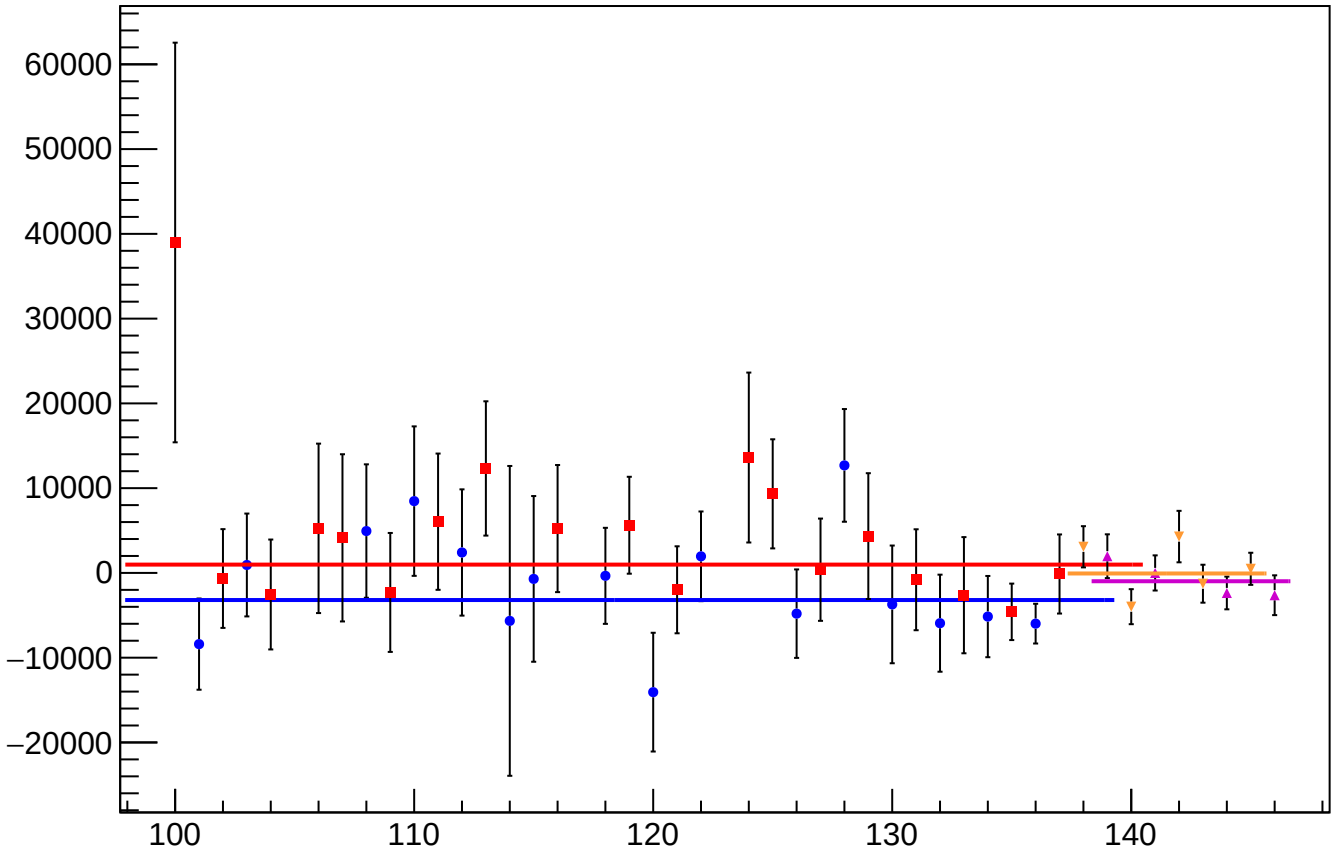
Left: 244.654+/-0.065 χ^2/NDF: 80616.0/8

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 281.471+/-0.062 χ^2/NDF:925276.6/19

Out: 284.970+/-0.062 χ^2/NDF:1112151.5/23

All: 283.223+/-0.044 χ^2/NDF: 2039016.8/43



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -65.899+/-1004.766 χ^2/NDF:7.7/4

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -981.651+/-1096.260 χ^2/NDF:2.5/3

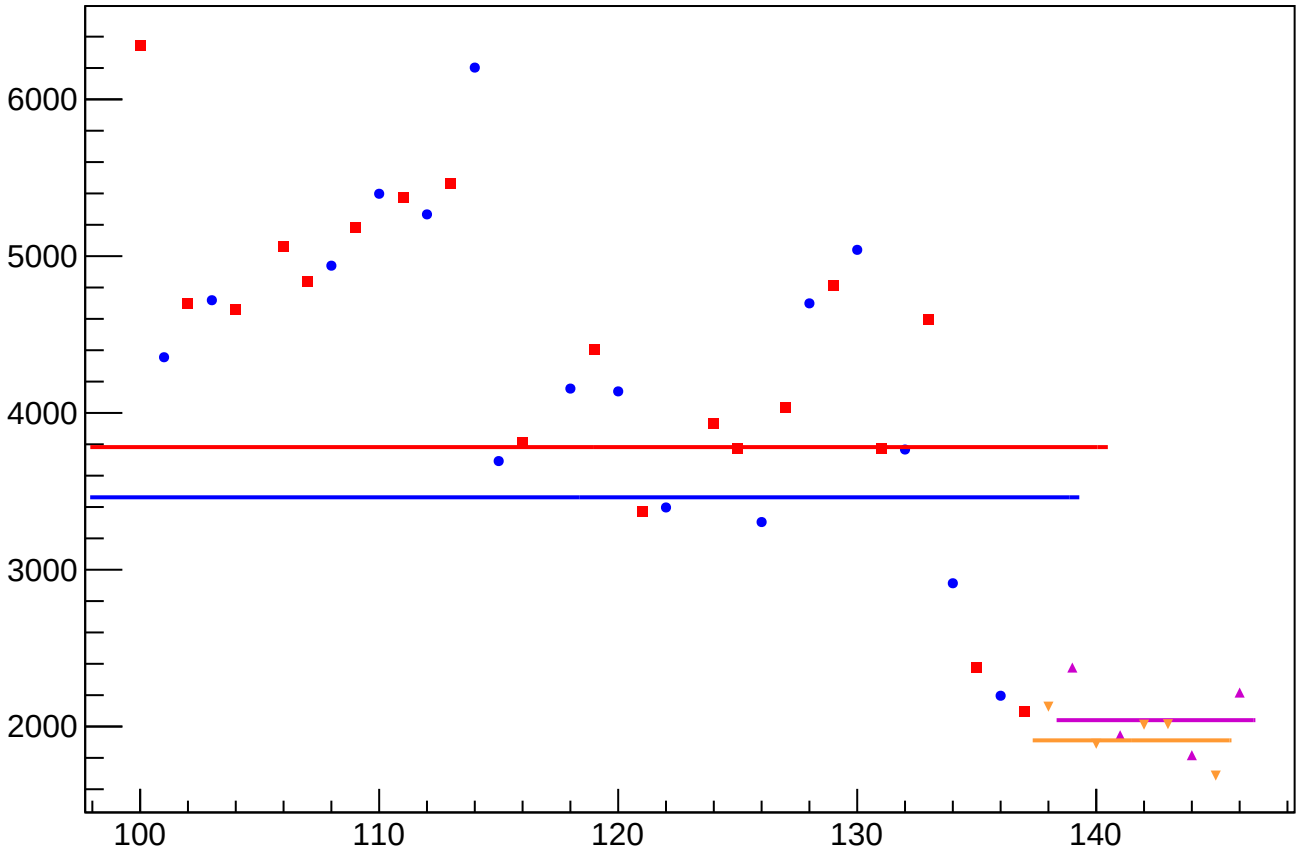
Left: -483.972+/-740.714 χ^2/NDF: 10.6/8

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1859.652+/-851.966 χ^2/NDF:20.3/19

Out: 275.199+/-824.988 χ^2/NDF:22.0/23

All: -757.891+/-592.663 χ^2/NDF: 45.5/43



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1911.727+/-0.710 χ^2/NDF:50410.9/4

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2040.554+/-0.775 χ^2/NDF:76068.8/3

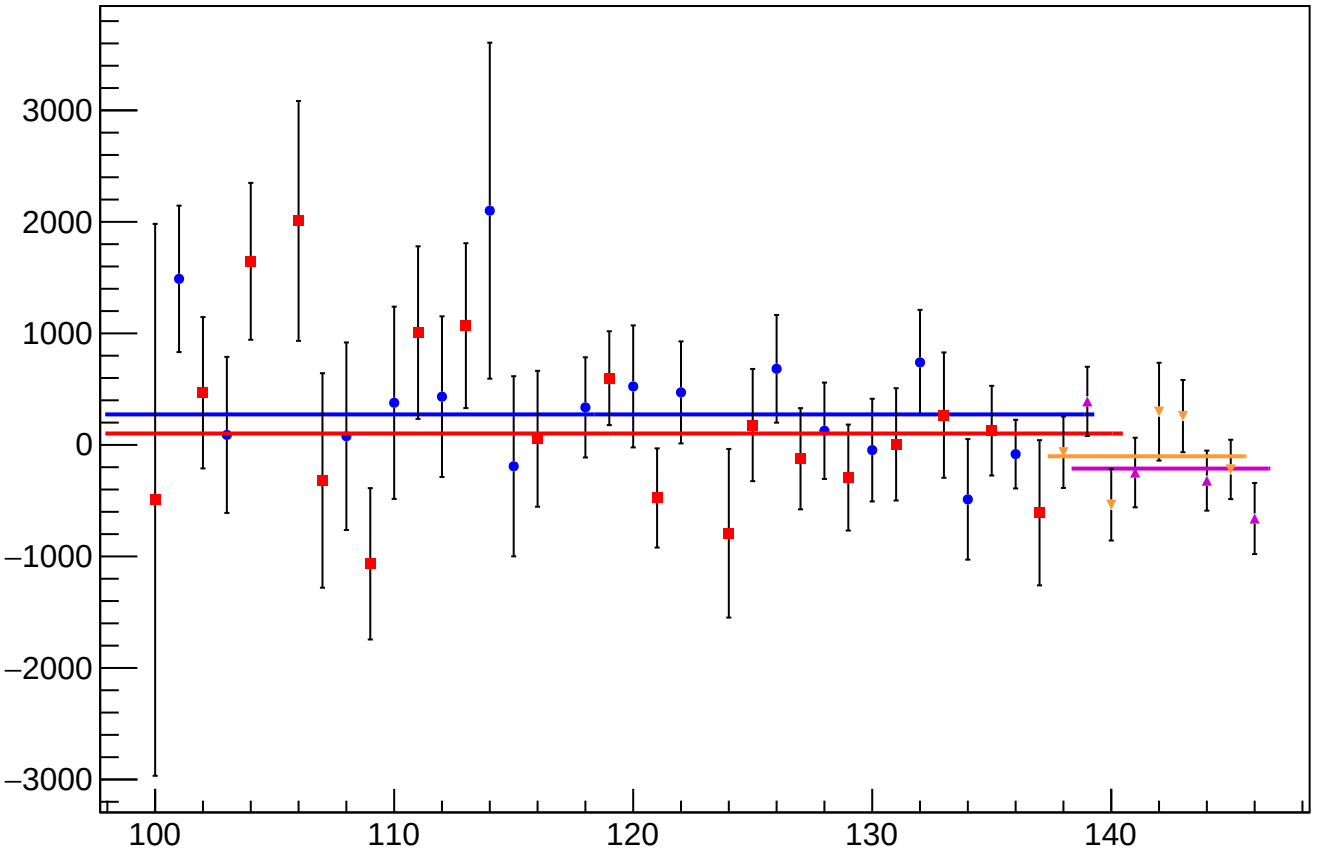
Left: 1970.541+/-0.524 χ^2/NDF: 141490.0/8

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2603.458+/-0.602 χ^2/NDF:2717181.7/19

Out: 2521.188+/-0.583 χ^2/NDF:3445107.4/23

All: 2561.000+/-0.419 χ^2/NDF: 6171913.8/43



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -101.979+/-143.927 χ^2/NDF:4.1/4

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -212.174+/-150.262 χ^2/NDF:5.9/3

Left: -154.705+/-103.939 χ^2/NDF: 10.3/8

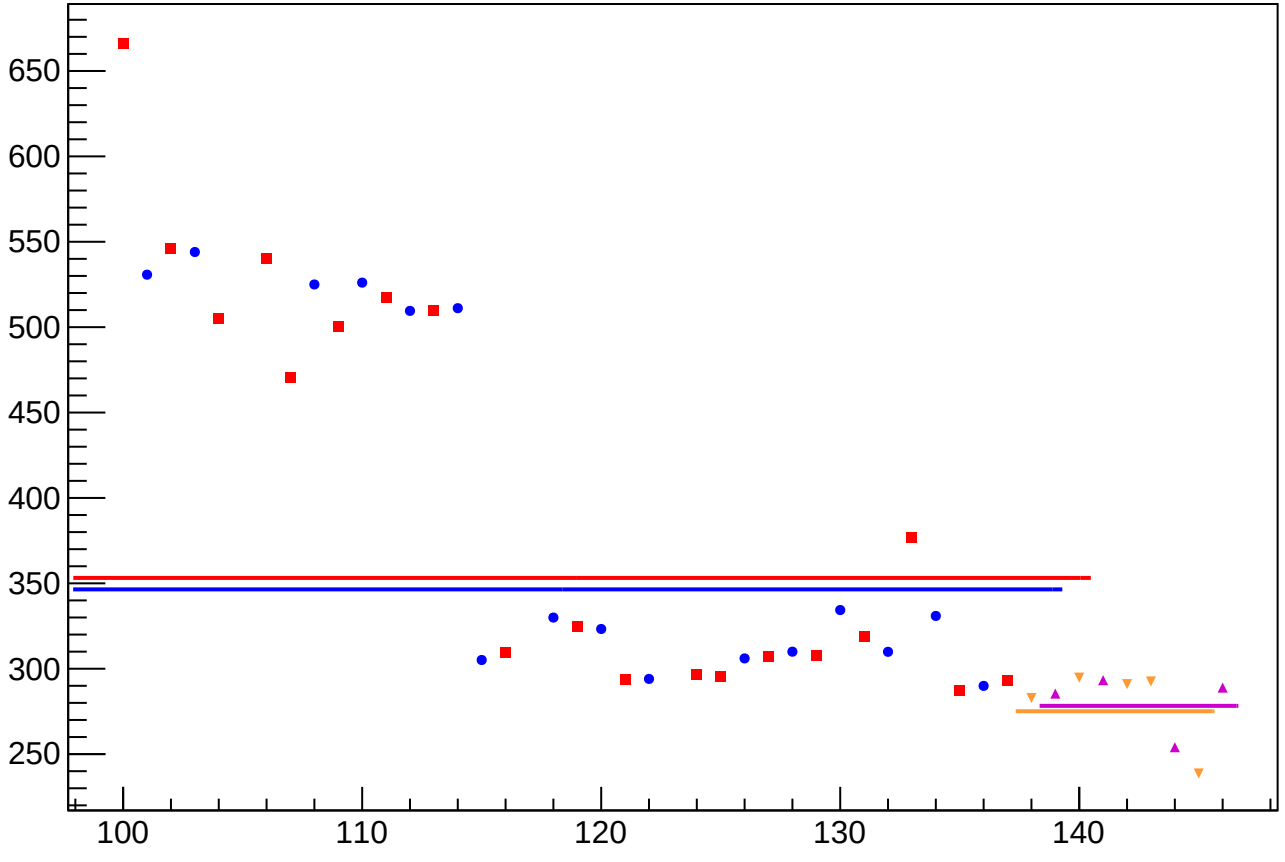
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: 61.028+/-99.397 χ^2/NDF:23.2/19

Out: 7.784+/-97.920 χ^2/NDF:26.5/23

All: 34.007+/-69.756 χ^2/NDF: 49.9/43

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 275.107+/-0.102 χ^2/NDF:54558.0/4

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 278.263+/-0.106 χ^2/NDF:24153.4/3

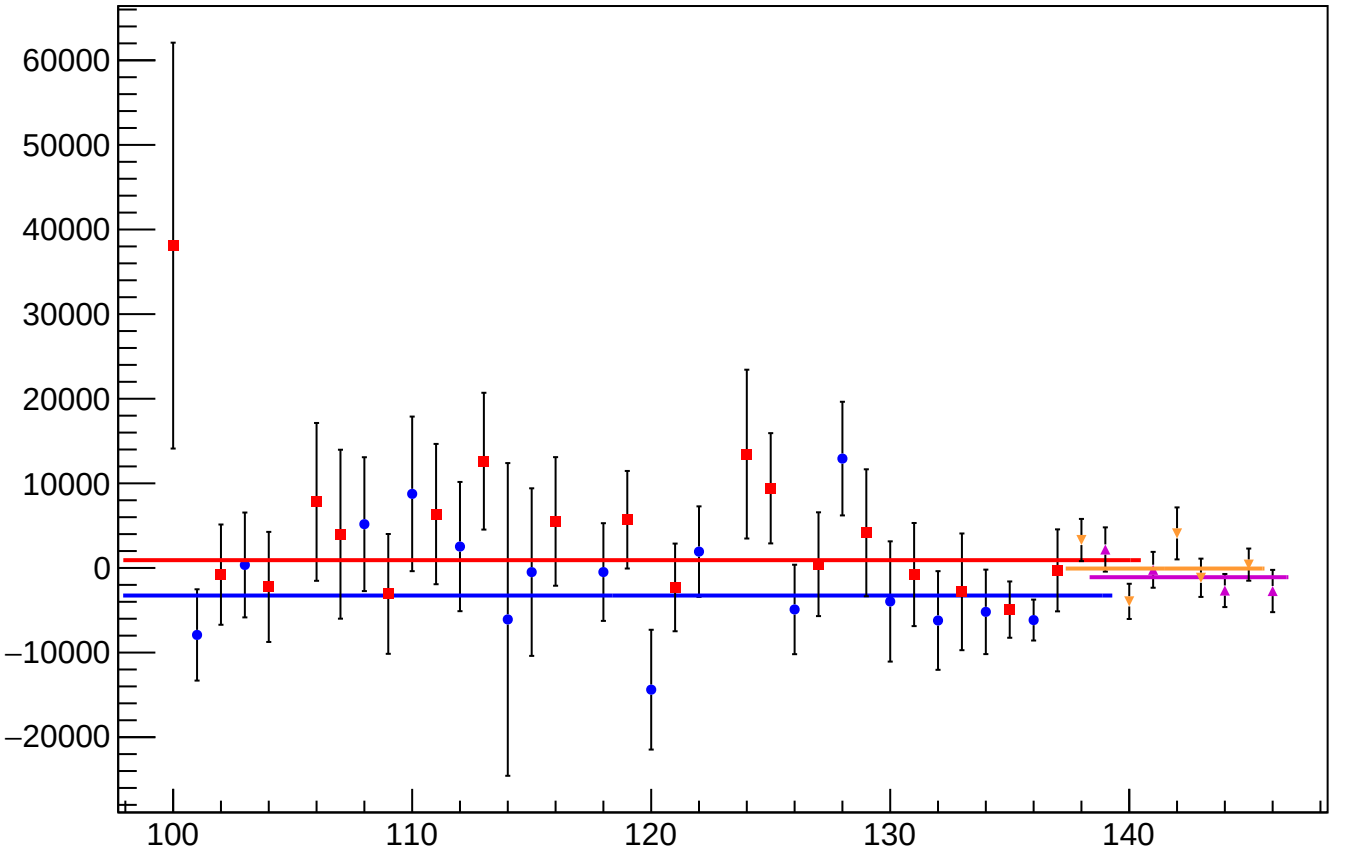
Left: 276.617+/-0.073 χ^2/NDF: 79171.4/8

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 316.616+/-0.070 χ^2/NDF:1024583.9/19

Out: 317.042+/-0.069 χ^2/NDF:1237004.3/23

All: 316.832+/-0.049 χ^2/NDF: 2261606.8/43



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -68.242+/-1015.034 χ^2/NDF:7.4/4

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -1092.160+/-1124.741 χ^2/NDF:2.8/3

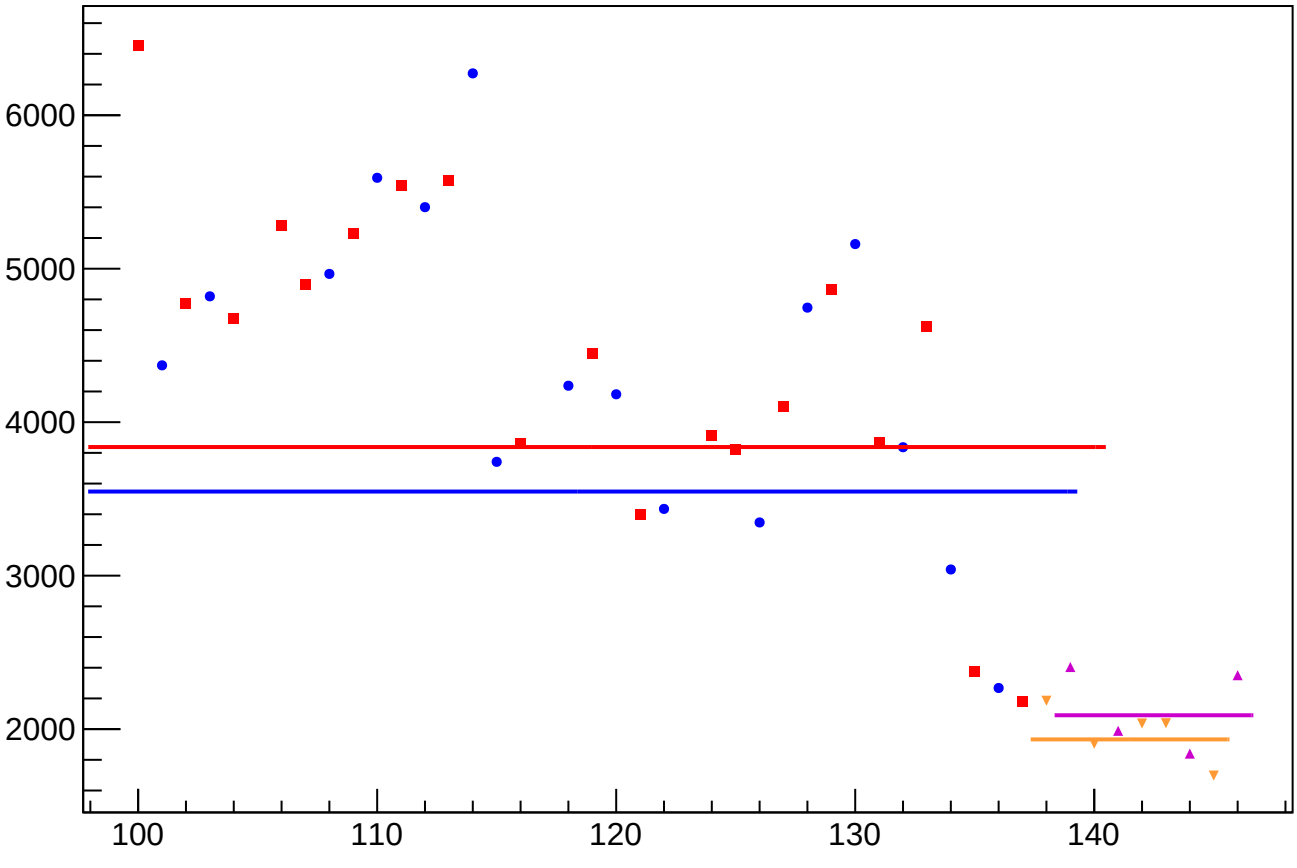
Left: -527.842+/-753.546 χ^2/NDF: 10.7/8

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1953.850+/-872.888 χ^2/NDF:20.3/19

Out: 253.947+/-833.547 χ^2/NDF:22.4/23

All: -799.080+/-602.835 χ^2/NDF: 46.0/43



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 1933.072+/-0.718 χ^2/NDF:58216.8/4

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2090.332+/-0.795 χ^2/NDF:87954.8/3

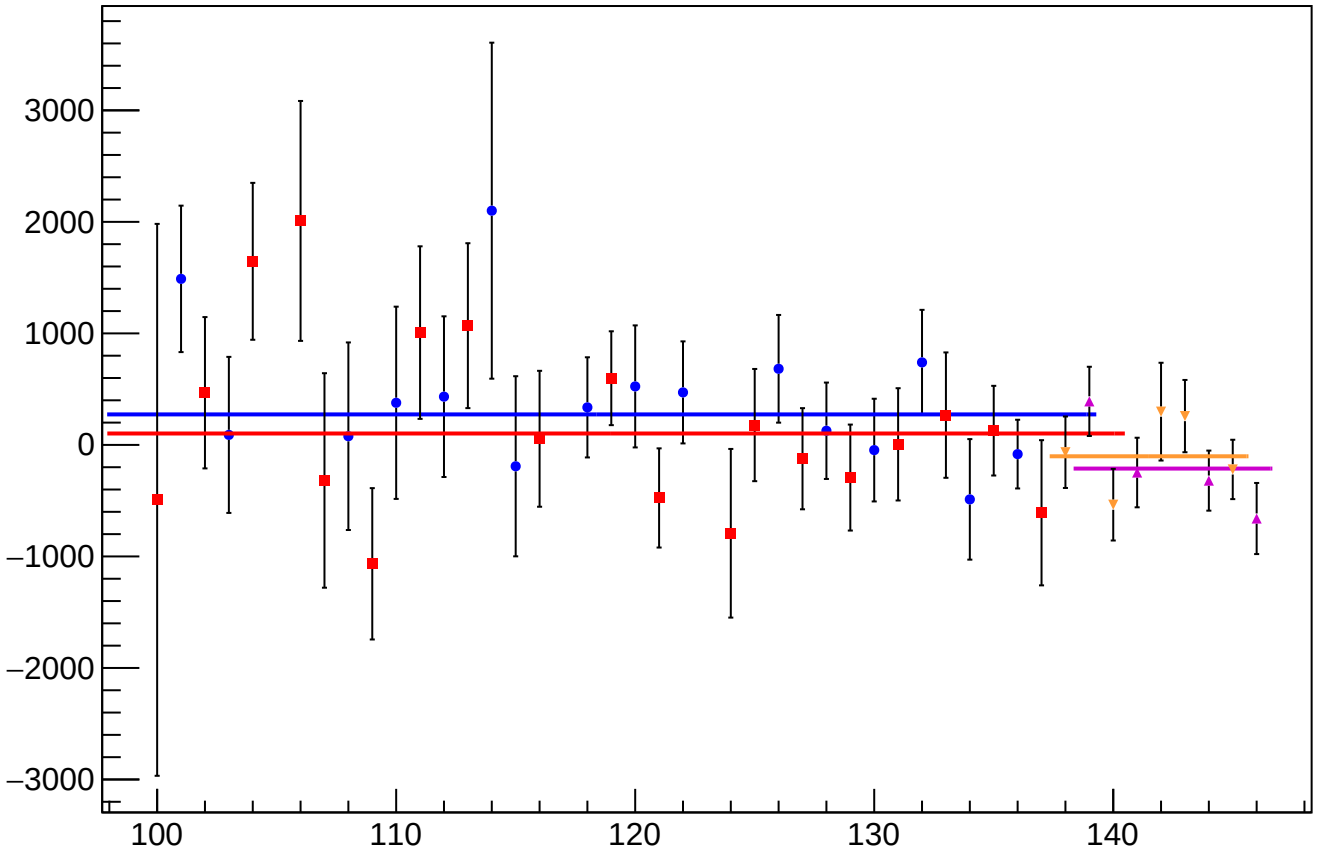
Left: 2003.660+/-0.533 χ^2/NDF: 167720.2/8

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2670.037+/-0.617 χ^2/NDF:2682363.3/19

Out: 2553.361+/-0.589 χ^2/NDF:3507735.9/23

All: 2609.010+/-0.426 χ^2/NDF: 6208789.2/43



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -101.989+/-143.927 χ^2/NDF:4.1/4

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -212.175+/-150.262 χ^2/NDF:5.9/3

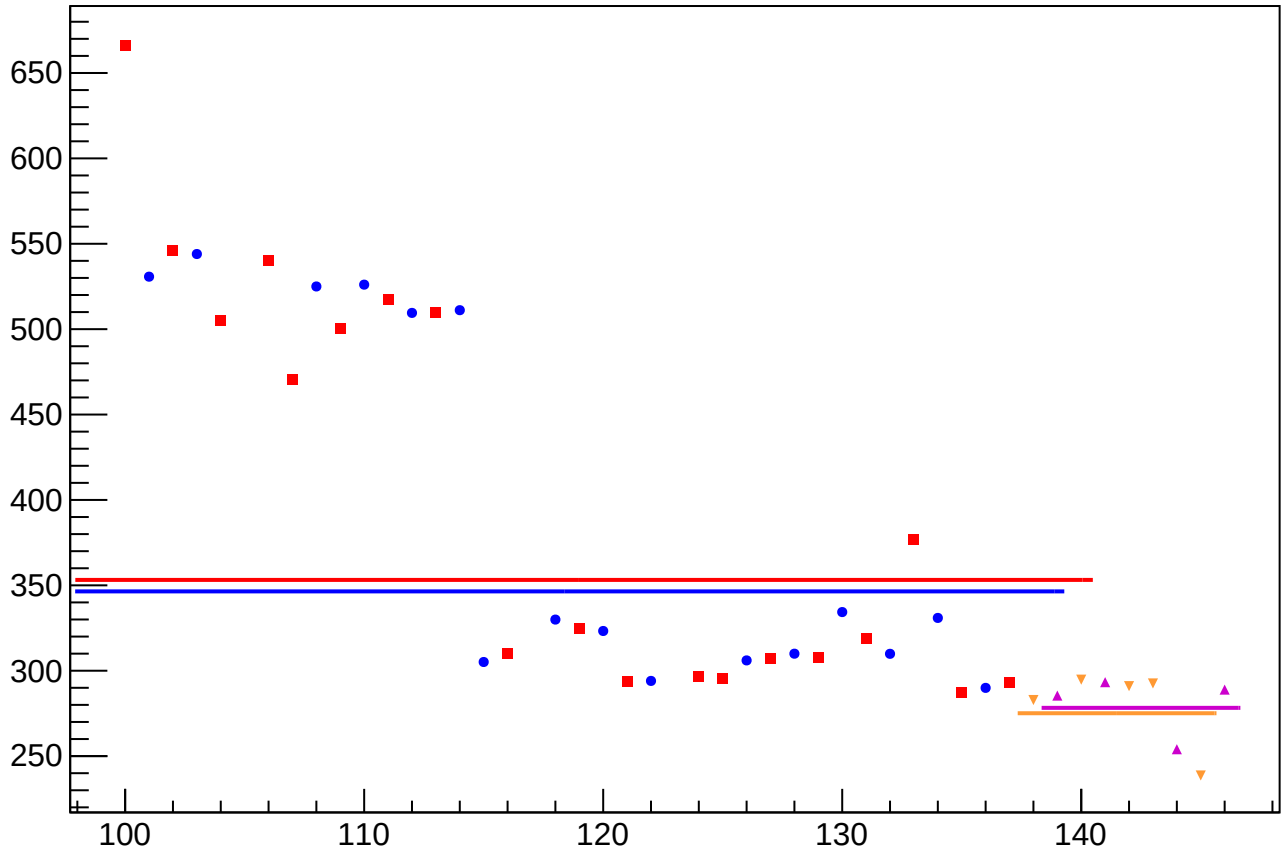
Left: -154.711+/-103.939 χ^2/NDF: 10.3/8

Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 61.031+/-99.396 χ^2/NDF:23.2/19

Out: 7.779+/-97.919 χ^2/NDF:26.5/23

All: 34.006+/-69.756 χ^2/NDF: 49.9/43



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 275.107+/-0.102 χ^2/NDF:54558.5/4

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 278.263+/-0.106 χ^2/NDF:24152.9/3

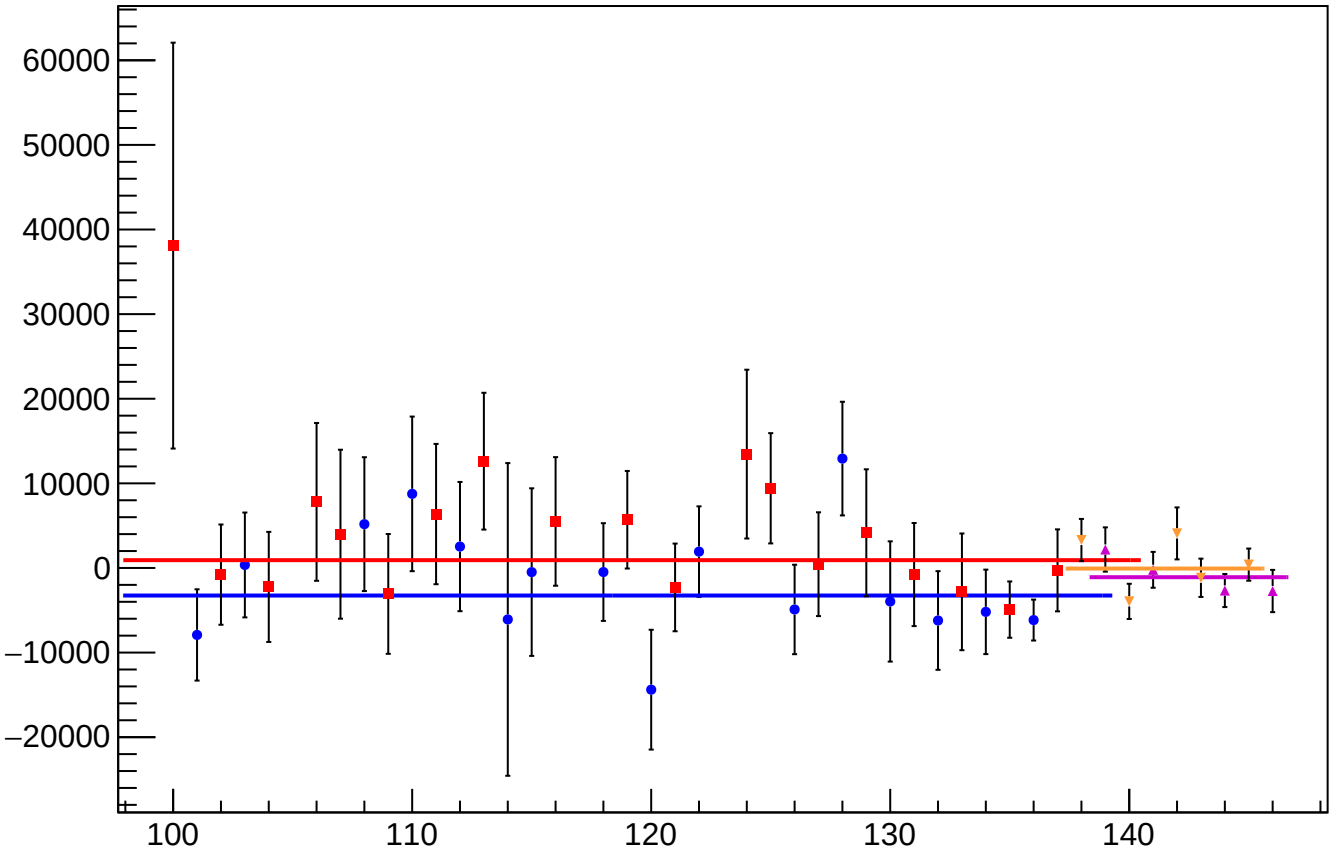
Left: 276.617+/-0.073 χ^2/NDF: 79171.4/8

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 316.615+/-0.070 χ^2/NDF:1024563.5/19

Out: 317.041+/-0.069 χ^2/NDF:1236986.2/23

All: 316.831+/-0.049 χ^2/NDF: 2261568.4/43



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -68.247+/-1015.033 χ^2/NDF:7.4/4

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -1092.157+/-1124.740 χ^2/NDF:2.8/3

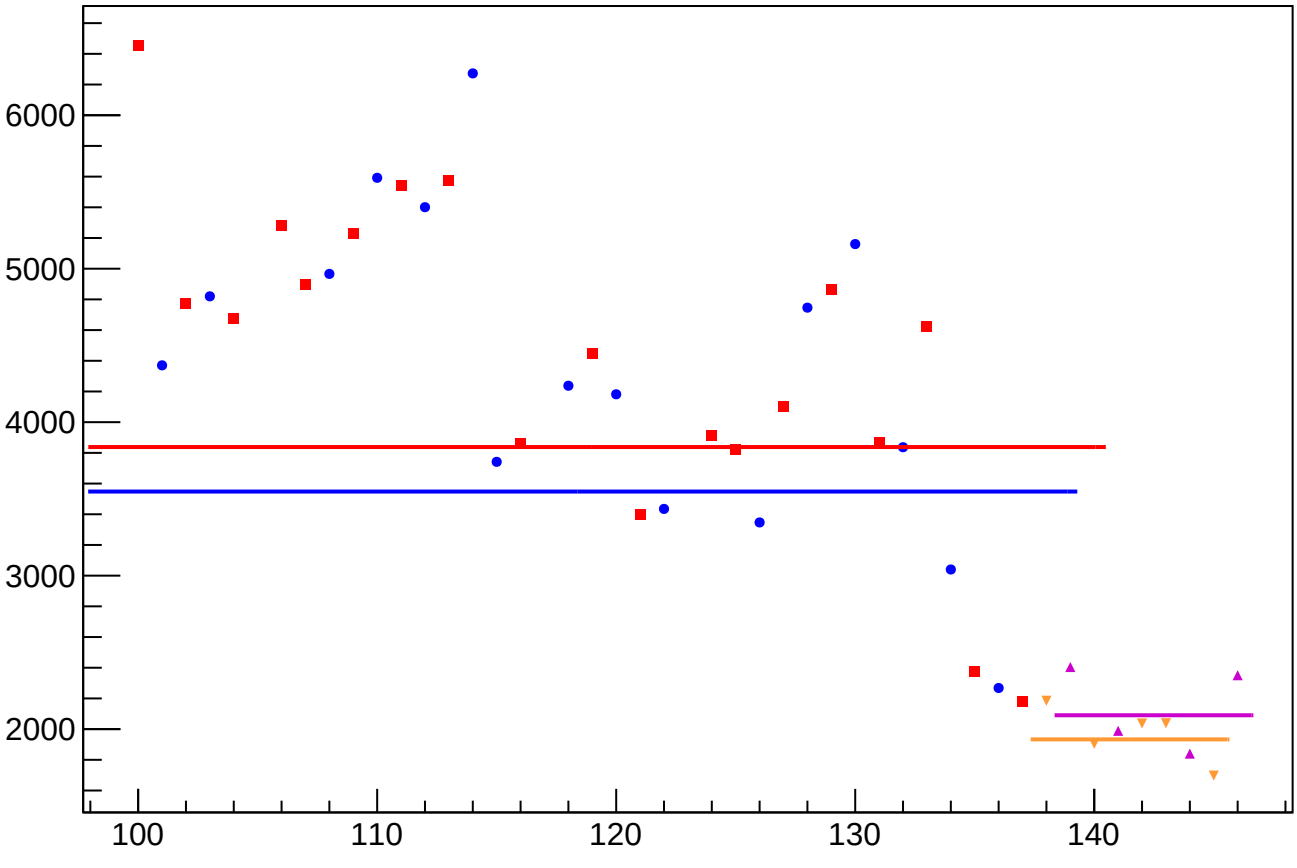
Left: -527.843+/-753.546 χ^2/NDF: 10.7/8

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -1953.846+/-872.887 χ^2/NDF:20.3/19

Out: 253.945+/-833.546 χ^2/NDF:22.4/23

All: -799.078+/-602.834 χ^2/NDF: 46.0/43



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 1933.069+/-0.718 χ^2/NDF:58218.4/4

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2090.330+/-0.795 χ^2/NDF:87953.6/3

Left: 2003.658+/-0.533 χ^2/NDF: 167721.0/8

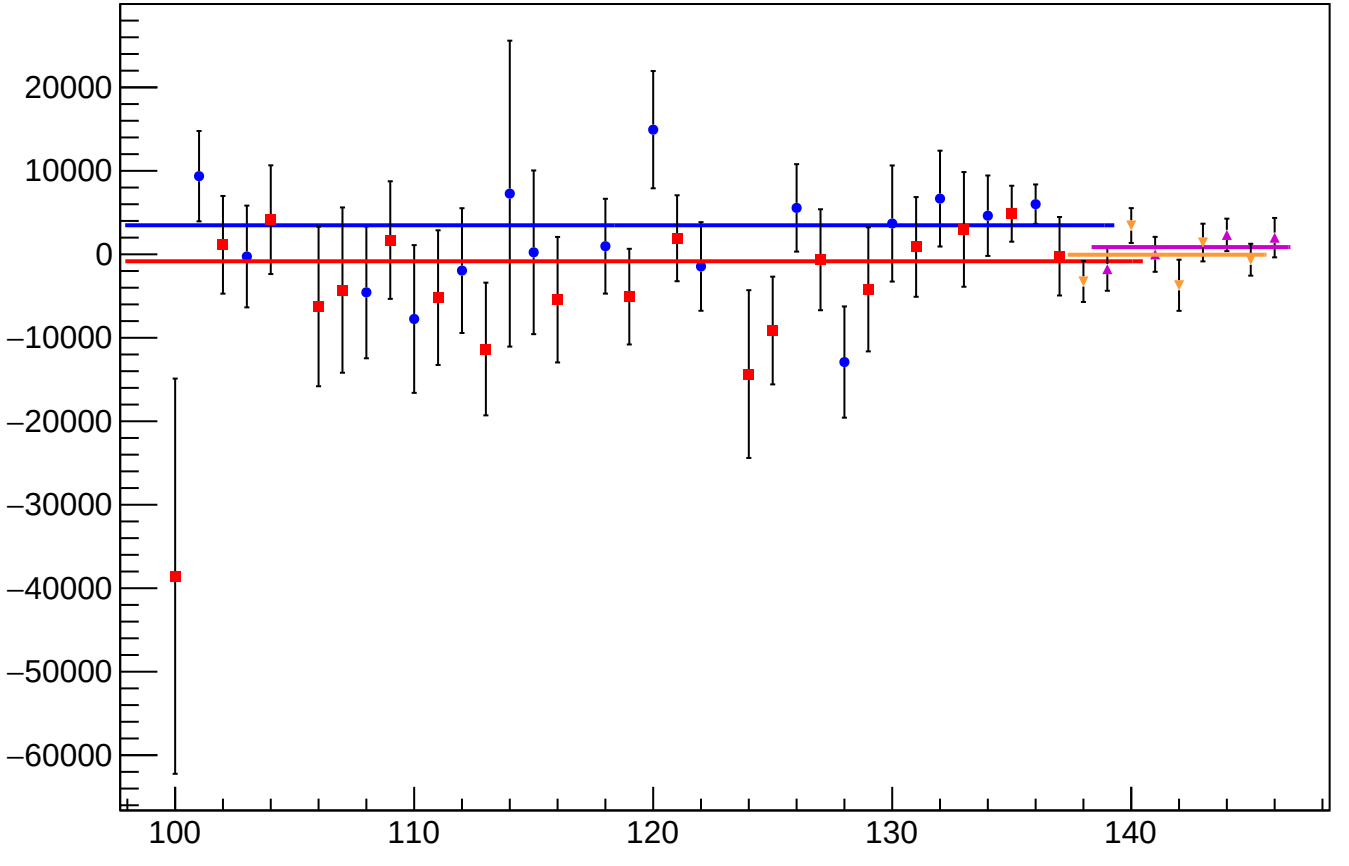
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2670.035+/-0.617 χ^2/NDF:2682348.7/19

Out: 2553.358+/-0.589 χ^2/NDF:3507730.3/23

All: 2609.008+/-0.426 χ^2/NDF: 6208769.4/43

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: -47.945+/-1013.246 χ^2/NDF:6.5/4

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 866.611+/-1104.474 χ^2/NDF:2.0/3

Left: 370.009+/-746.645 χ^2/NDF: 8.8/8

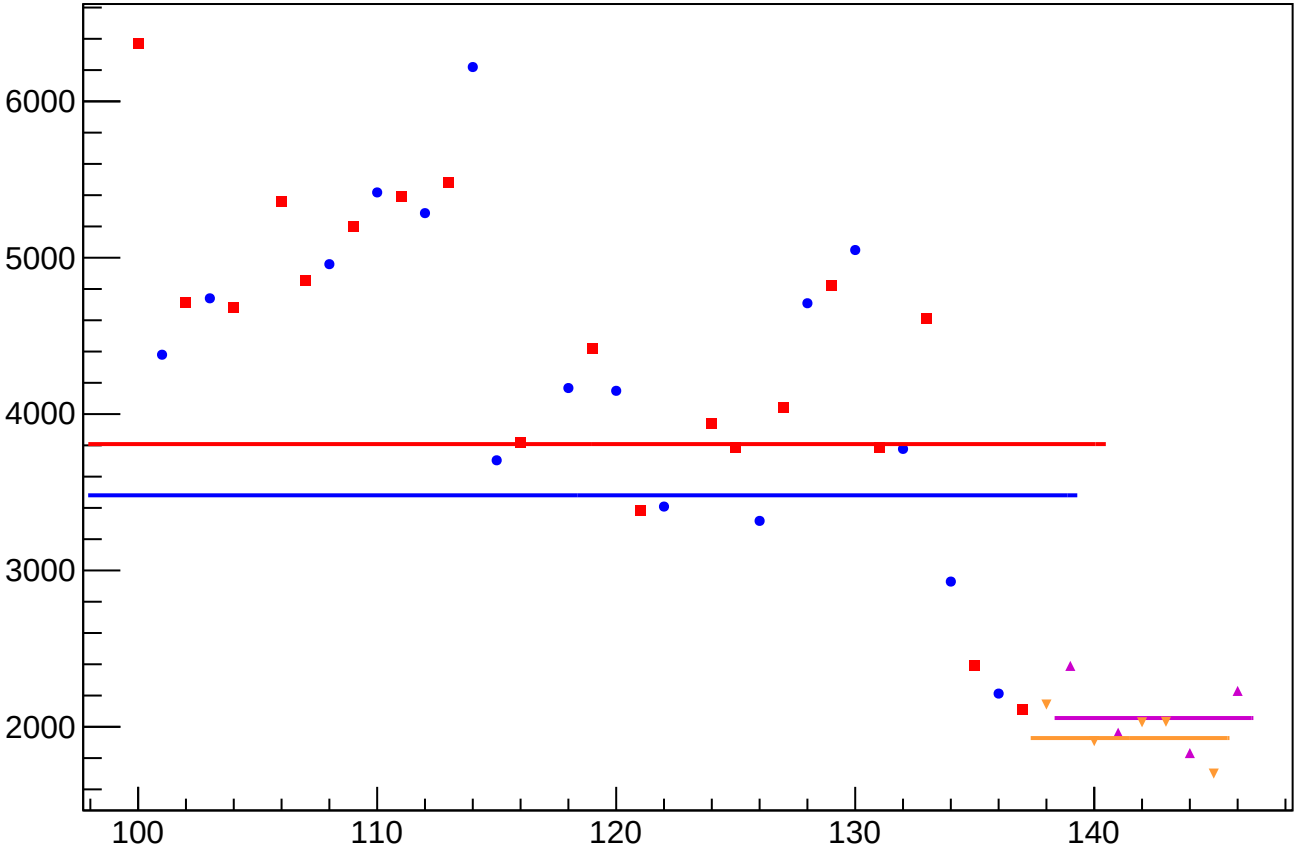
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 1904.247+/-857.449 χ^2/NDF:20.5/19

Out: -305.465+/-830.489 χ^2/NDF:20.7/23

All: 764.106+/-596.548 χ^2/NDF: 44.7/43

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 1928.140+/-0.716 χ^2/NDF:50275.9/4

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2056.211+/-0.781 χ^2/NDF:74261.3/3

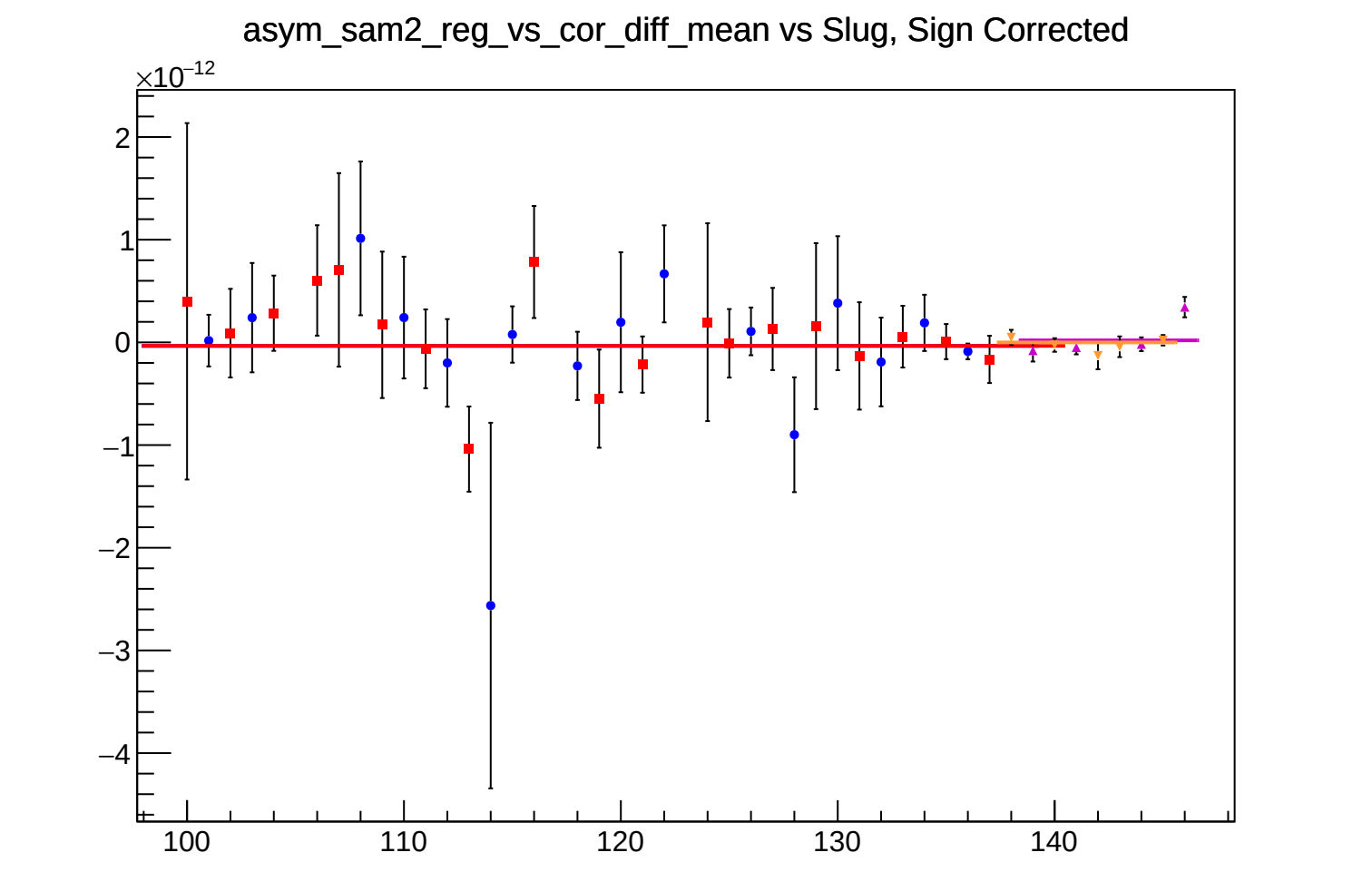
Left: 1986.669+/-0.528 χ^2/NDF: 139139.4/8

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2622.095+/-0.606 χ^2/NDF:2692391.0/19

Out: 2545.166+/-0.587 χ^2/NDF:3457605.5/23

All: 2582.402+/-0.422 χ^2/NDF: 6158303.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/3

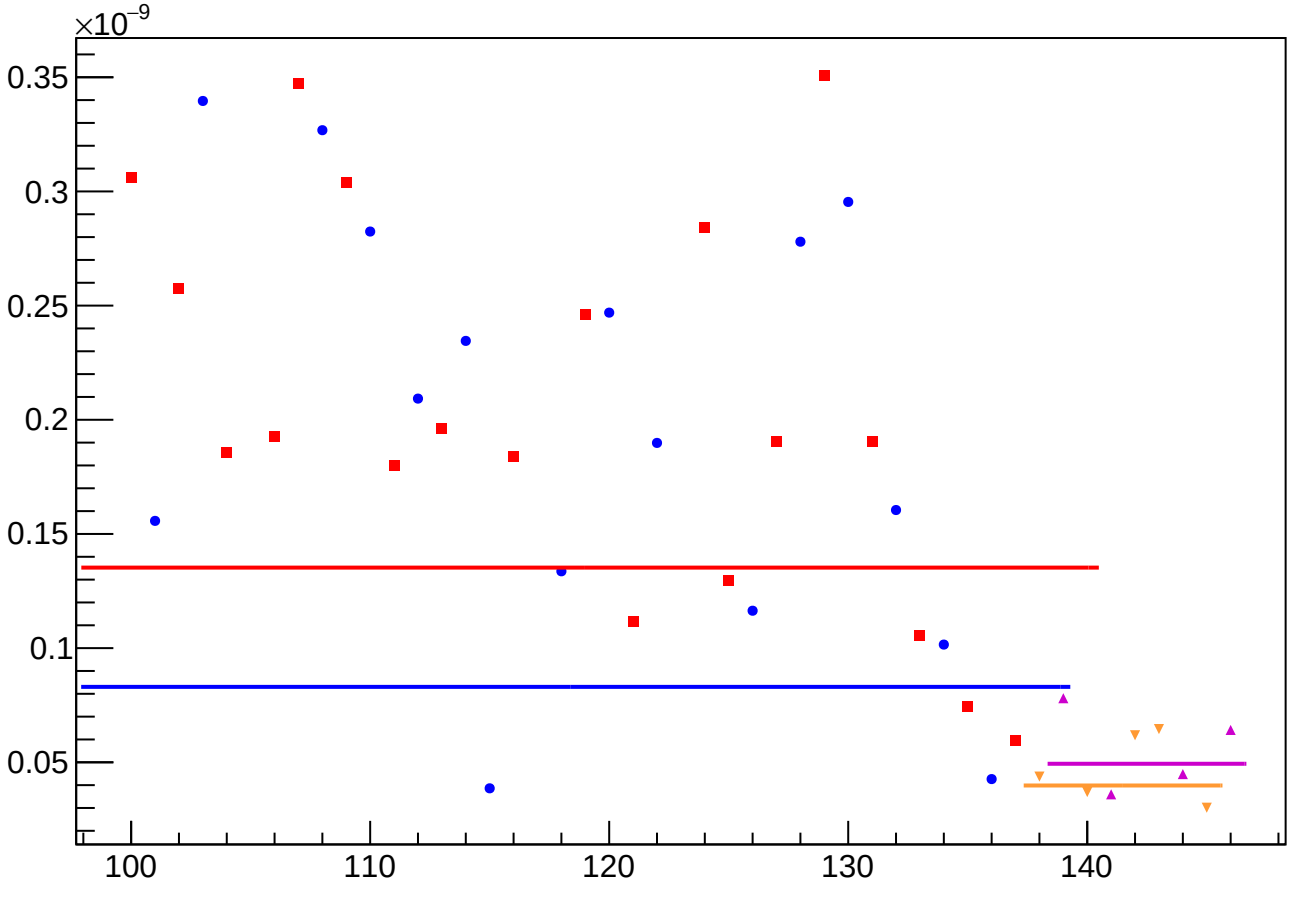
Left: 0.000+/-0.000 χ^2/NDF: 14.9/8

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:25.4/19

Out: -0.000+/-0.000 χ^2/NDF:15.5/23

All: -0.000+/-0.000 χ^2/NDF: 41.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:257046.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:278306.5/3

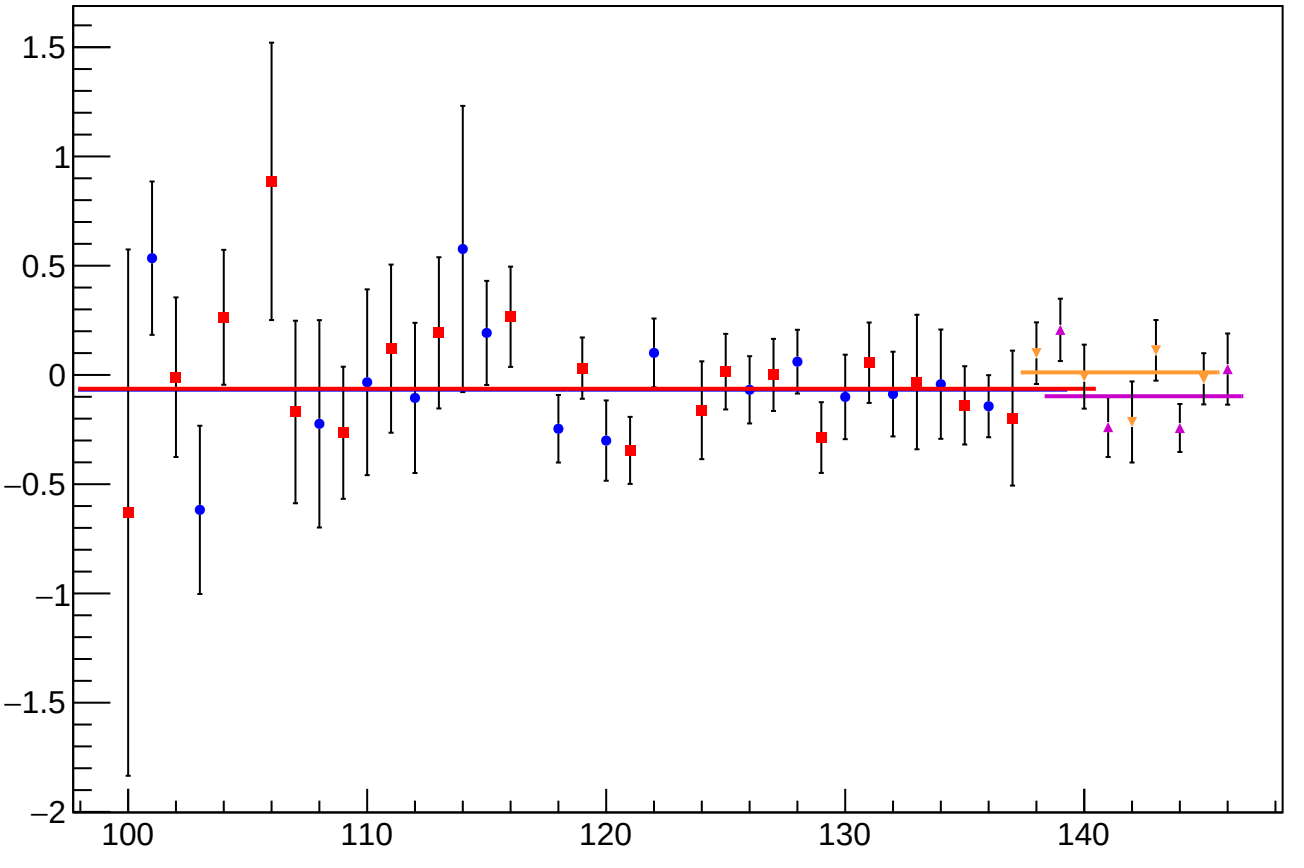
Left: 0.000+/-0.000 χ^2/NDF: 604331.6/8

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3413148.0/19

Out: 0.000+/-0.000 χ^2/NDF:3865980.5/23

All: 0.000+/-0.000 χ^2/NDF: 7334085.4/43



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.012+/-0.063 χ^2/NDF:2.5/4

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.097+/-0.067 χ^2/NDF:7.9/3

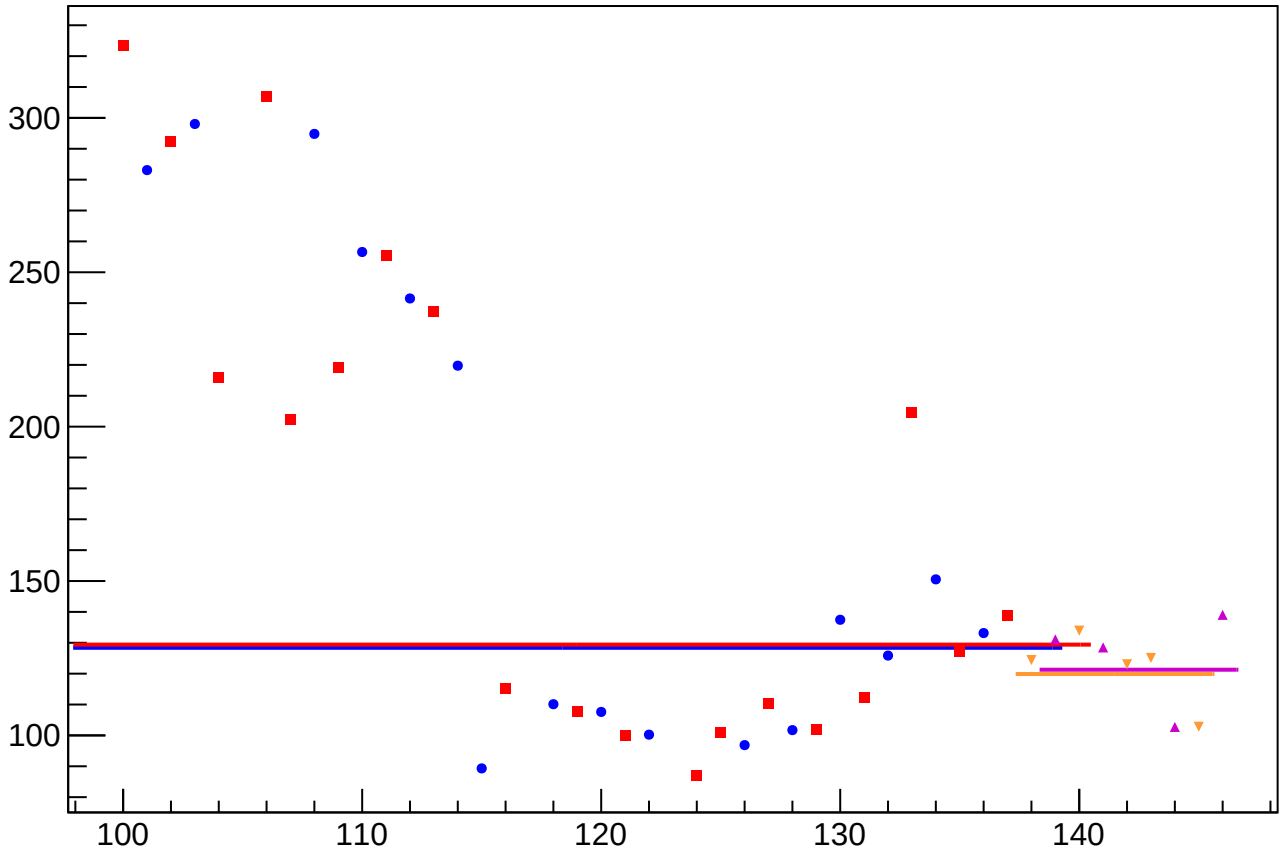
Left: -0.040+/-0.046 χ^2/NDF: 11.8/8

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.079+/-0.041 χ^2/NDF:20.5/19

Out: -0.033+/-0.040 χ^2/NDF:17.4/23

All: -0.055+/-0.029 χ^2/NDF: 38.5/43



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 119.879+/-0.045 χ^2/NDF:66360.1/4

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.278+/-0.047 χ^2/NDF:95799.8/3

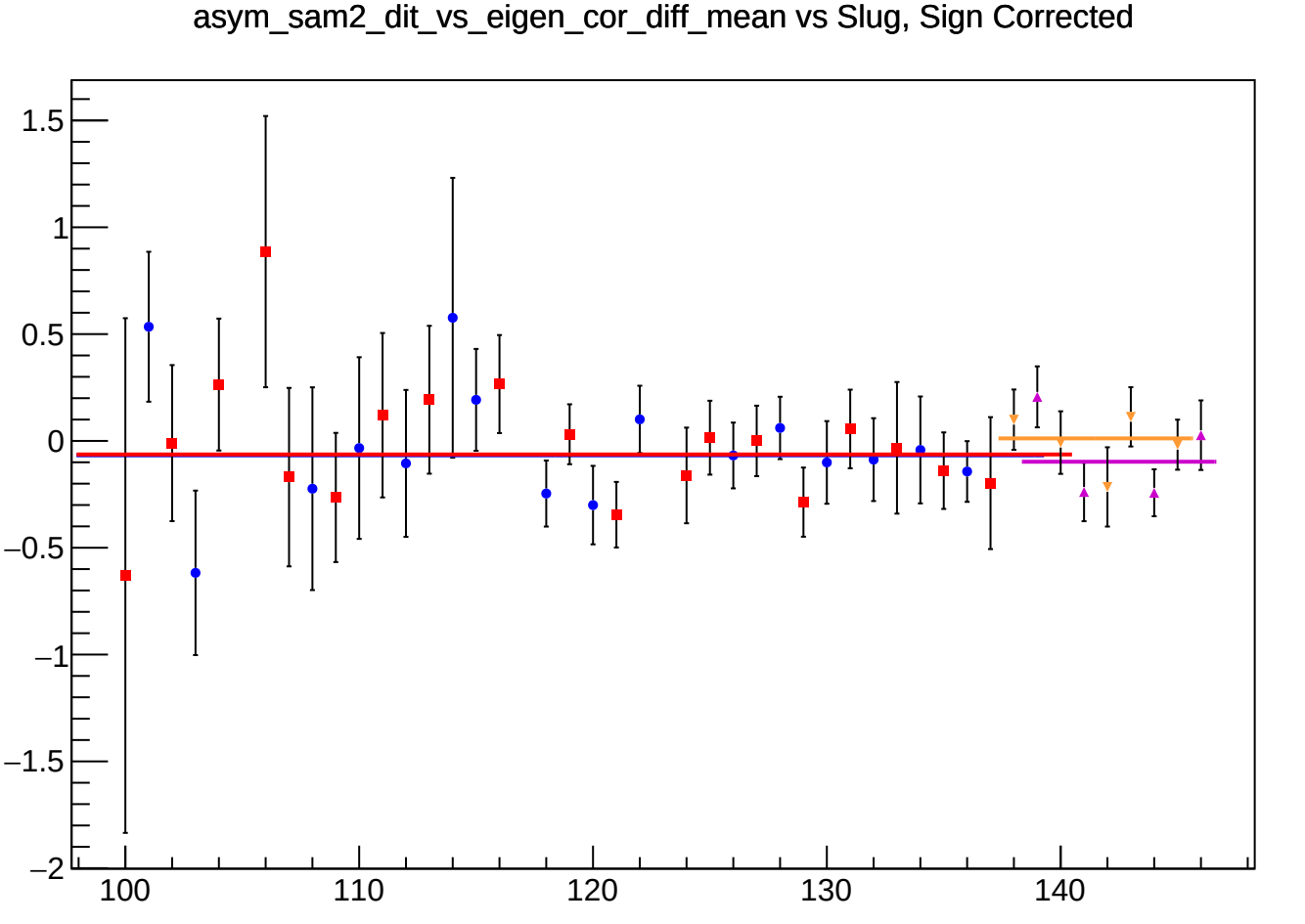
Left: 120.538+/-0.032 χ^2/NDF: 162621.7/8

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 125.723+/-0.029 χ^2/NDF:1914961.0/19

Out: 125.587+/-0.028 χ^2/NDF:1981871.8/23

All: 125.653+/-0.020 χ^2/NDF: 3896844.1/43



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.012+/-0.063 χ^2/NDF:2.5/4

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.097+/-0.067 χ^2/NDF:7.9/3

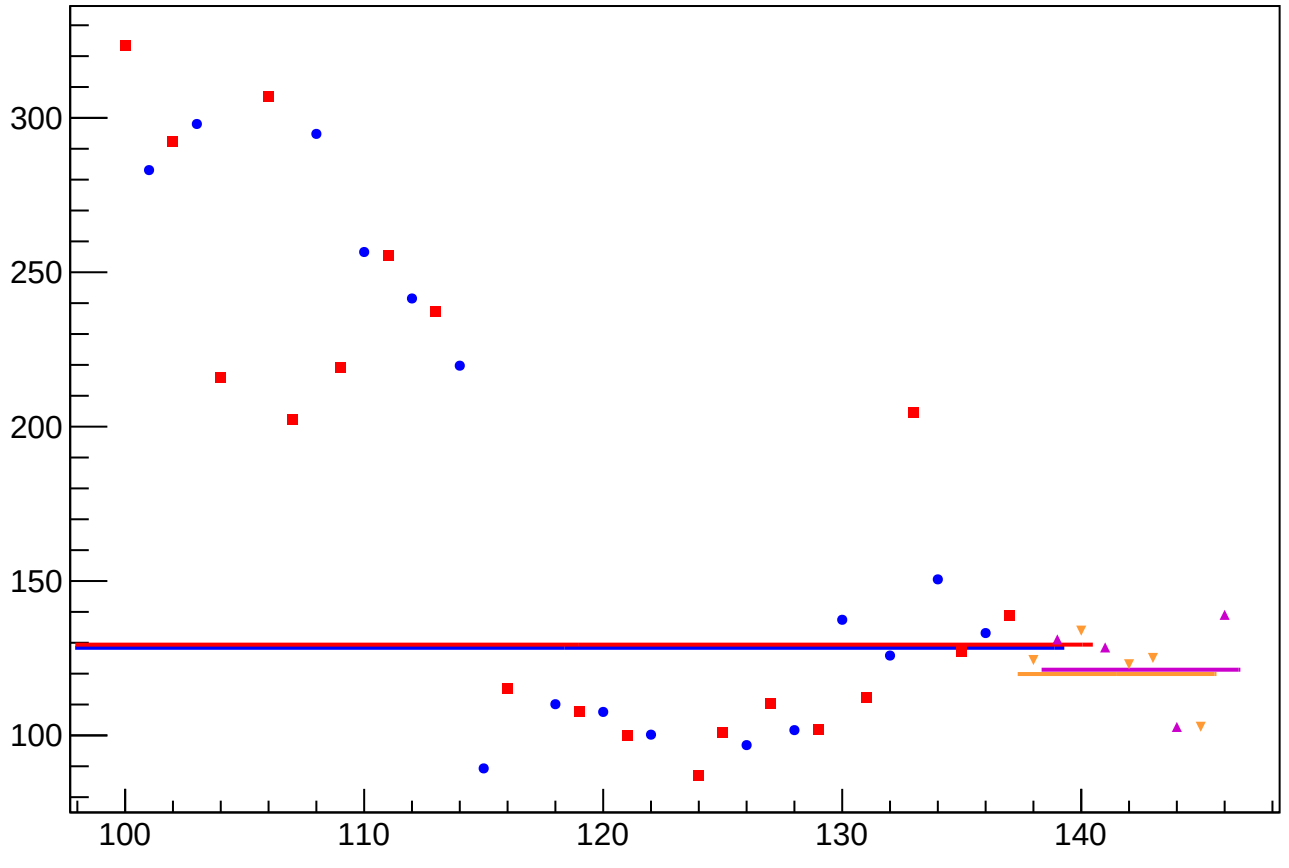
Left: -0.040+/-0.046 χ^2/NDF: 11.8/8

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.079+/-0.041 χ^2/NDF:20.5/19

Out: -0.033+/-0.040 χ^2/NDF:17.4/23

All: -0.055+/-0.029 χ^2/NDF: 38.5/43



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 119.879+/-0.045 χ^2/NDF:66360.1/4

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.278+/-0.047 χ^2/NDF:95799.8/3

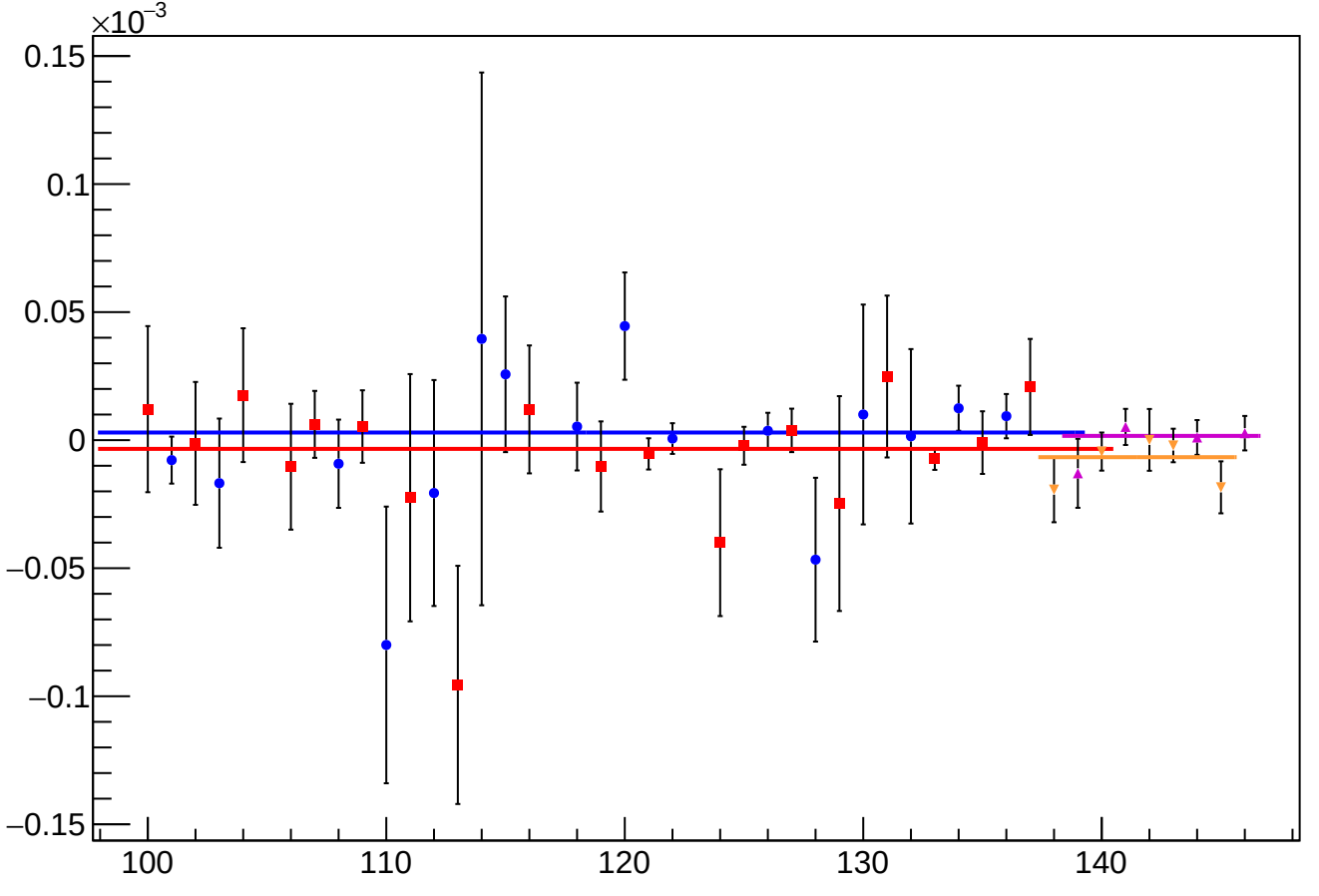
Left: 120.538+/-0.032 χ^2/NDF: 162621.7/8

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 125.723+/-0.029 χ^2/NDF:1914961.0/19

Out: 125.587+/-0.028 χ^2/NDF:1981871.8/23

All: 125.653+/-0.020 χ^2/NDF: 3896844.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/3

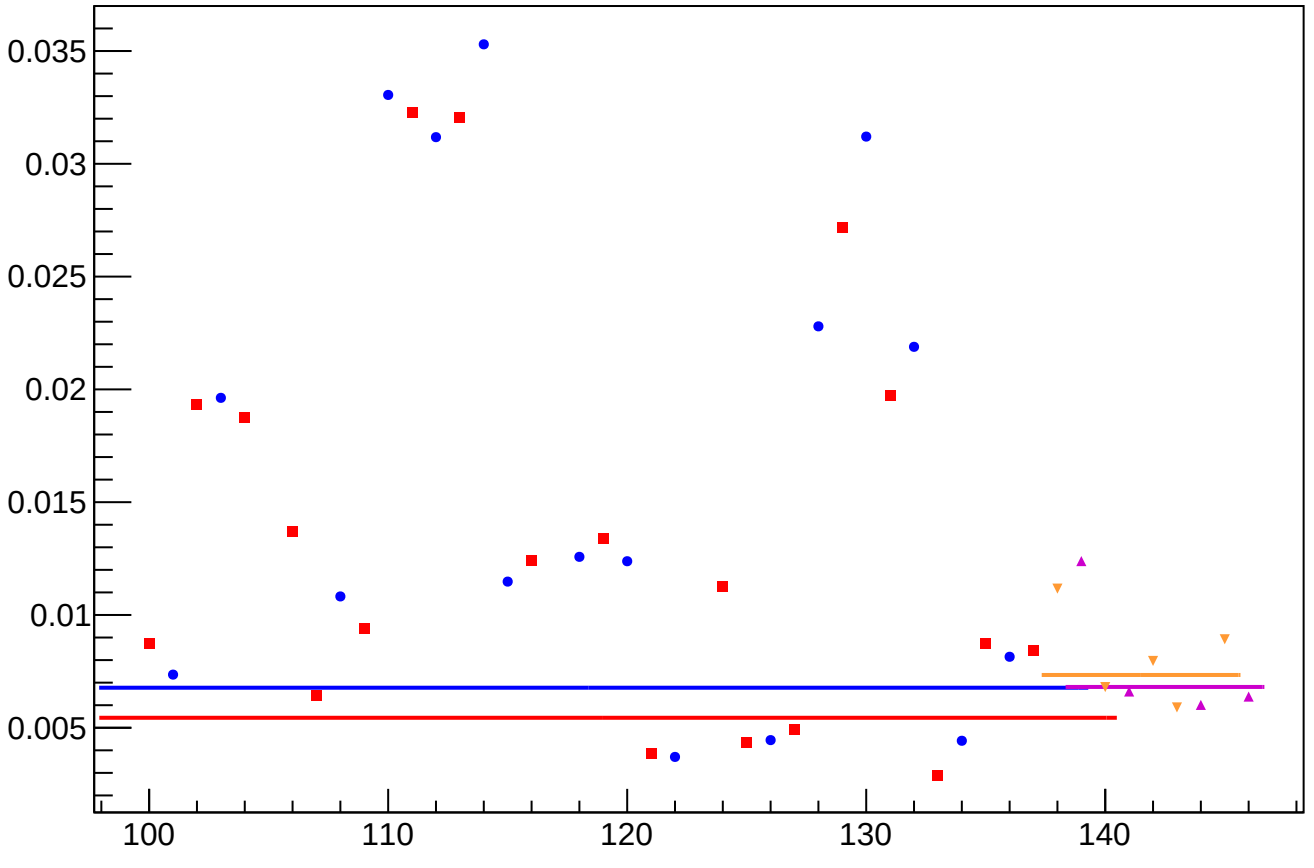
Left: -0.000+/-0.000 χ^2/NDF: 7.0/8

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:15.6/19

Out: -0.000+/-0.000 χ^2/NDF:16.3/23

All: -0.000+/-0.000 χ^2/NDF: 36.3/43



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:341418.9/4

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:379982.2/3

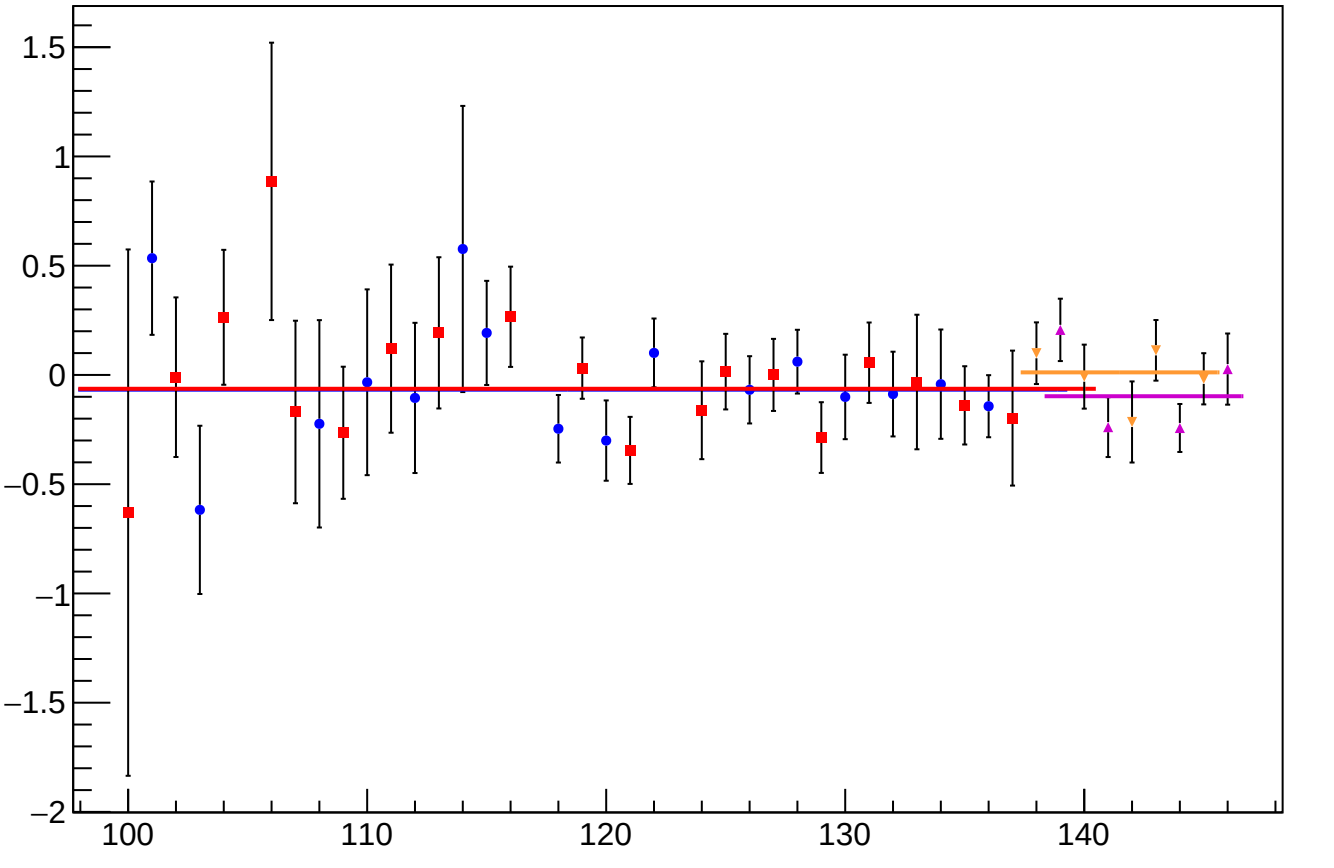
Left: 0.007+/-0.000 χ^2/NDF: 740179.2/8

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5152353.0/19

Out: 0.006+/-0.000 χ^2/NDF:6236218.3/23

All: 0.006+/-0.000 χ^2/NDF: 11502099.6/43



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.012+/-0.063 χ^2/NDF:2.5/4

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.097+/-0.067 χ^2/NDF:7.9/3

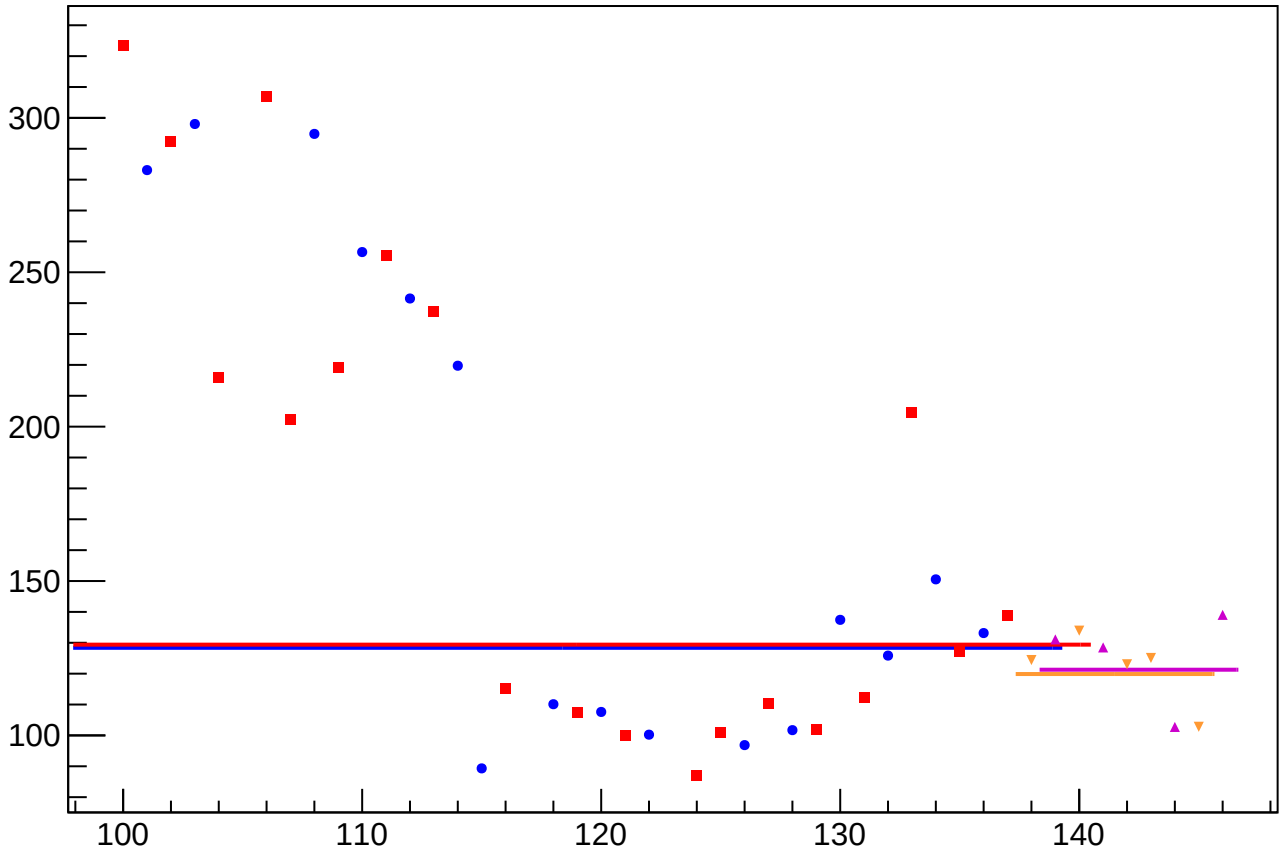
Left: -0.040+/-0.046 χ^2/NDF: 11.8/8

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.079+/-0.041 χ^2/NDF:20.5/19

Out: -0.033+/-0.040 χ^2/NDF:17.4/23

All: -0.055+/-0.029 χ^2/NDF: 38.5/43



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 119.879+/-0.045 χ^2/NDF:66362.4/4

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.278+/-0.047 χ^2/NDF:95792.9/3

Left: 120.537+/-0.032 χ^2/NDF: 162617.2/8

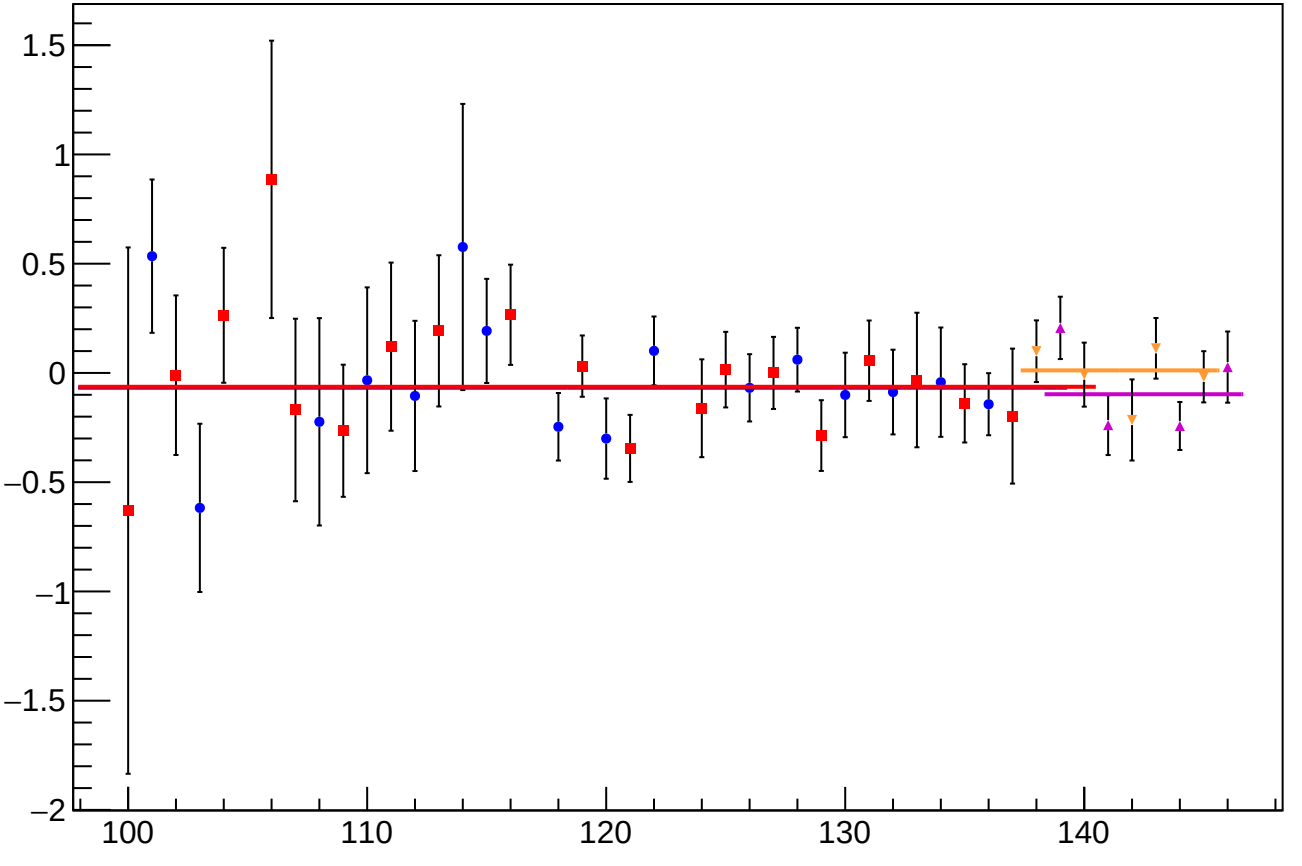
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 125.721+/-0.029 χ^2/NDF:1914891.0/19

Out: 125.585+/-0.028 χ^2/NDF:1981859.8/23

All: 125.651+/-0.020 χ^2/NDF: 3896762.1/43

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.012+/-0.063 χ^2/NDF:2.5/4

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.097+/-0.067 χ^2/NDF:7.9/3

Left: -0.040+/-0.046 χ^2/NDF: 11.8/8

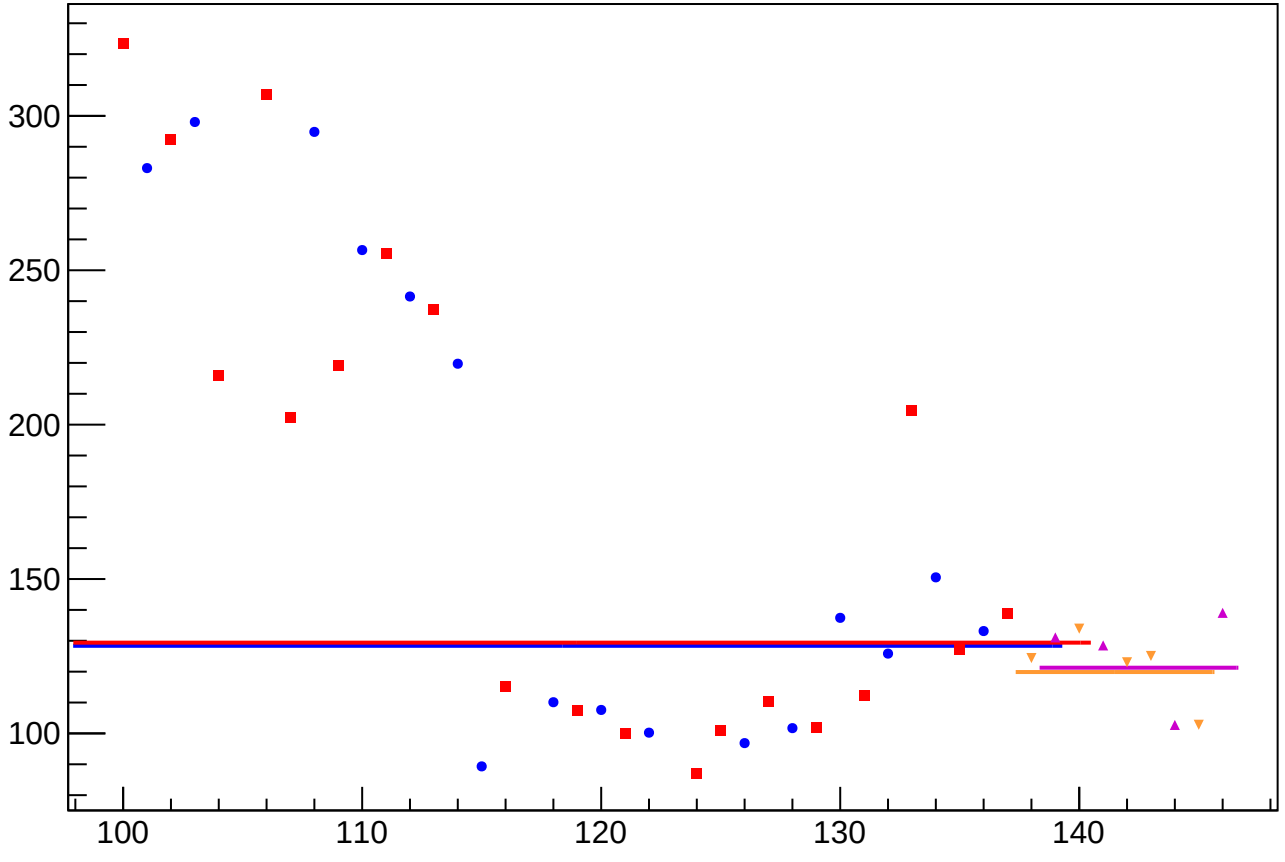
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.079+/-0.041 χ^2/NDF:20.5/19

Out: -0.033+/-0.040 χ^2/NDF:17.4/23

All: -0.055+/-0.029 χ^2/NDF: 38.5/43

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 119.879+/-0.045 χ^2/NDF:66362.4/4

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.278+/-0.047 χ^2/NDF:95792.9/3

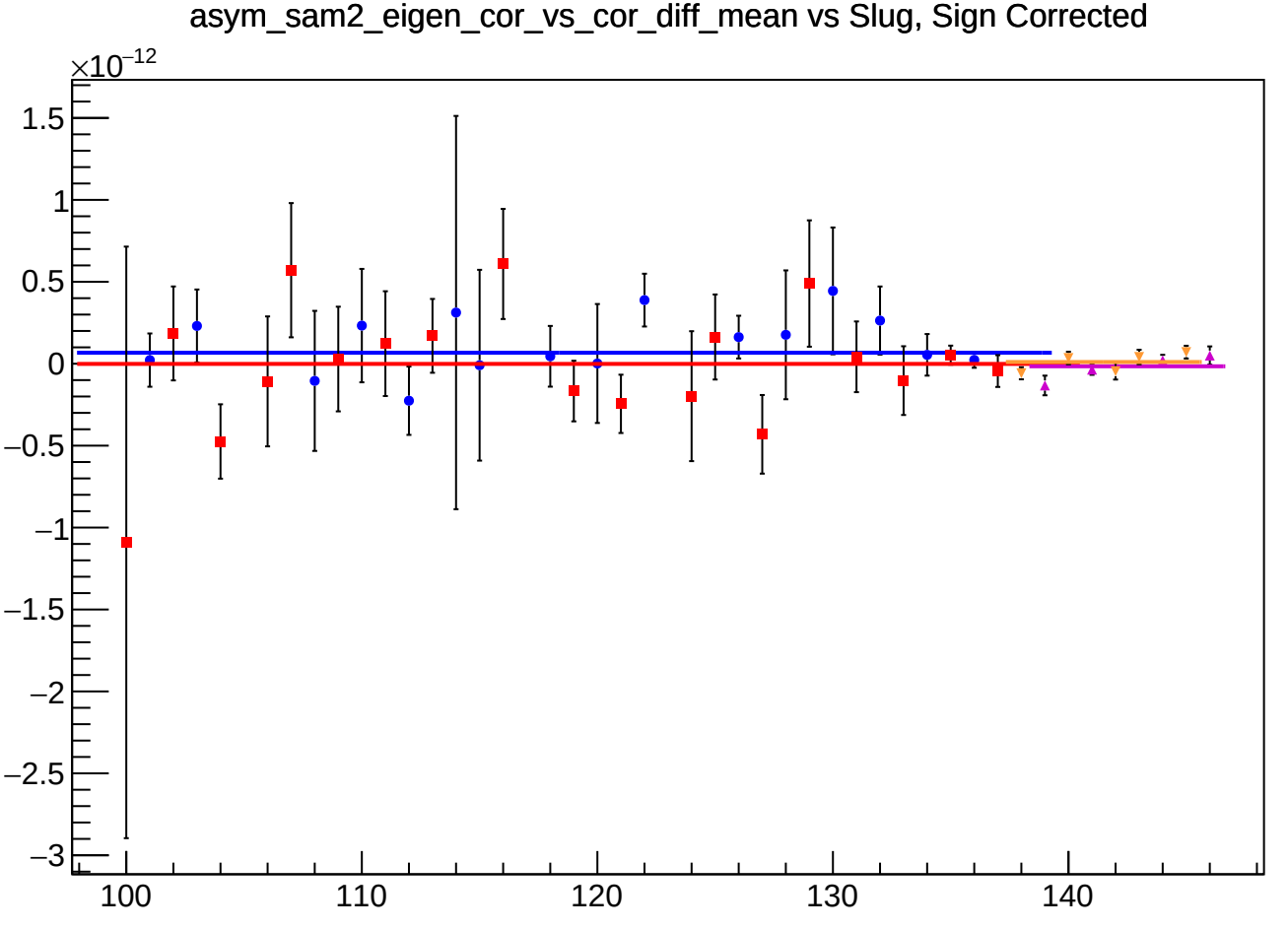
Left: 120.537+/-0.032 χ^2/NDF: 162617.2/8

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 125.721+/-0.029 χ^2/NDF:1914891.0/19

Out: 125.585+/-0.028 χ^2/NDF:1981859.8/23

All: 125.651+/-0.020 χ^2/NDF: 3896762.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/3

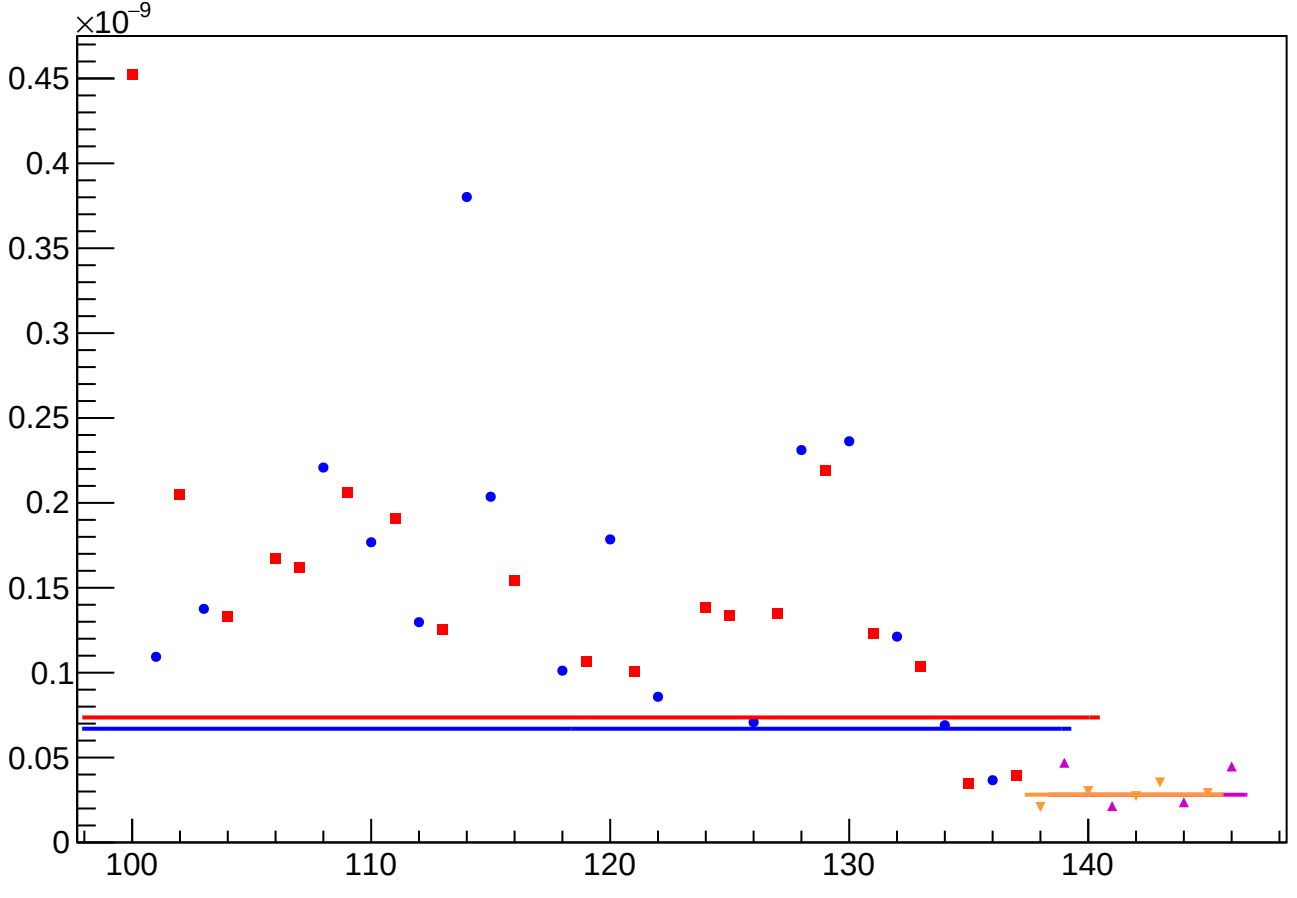
Left: -0.000+/-0.000 χ^2/NDF: 15.6/8

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:21.1/19

Out: 0.000+/-0.000 χ^2/NDF:28.7/23

All: 0.000+/-0.000 χ^2/NDF: 49.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:138594.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:499713.1/3

Left: 0.000+/-0.000 χ^2/NDF: 638308.4/8

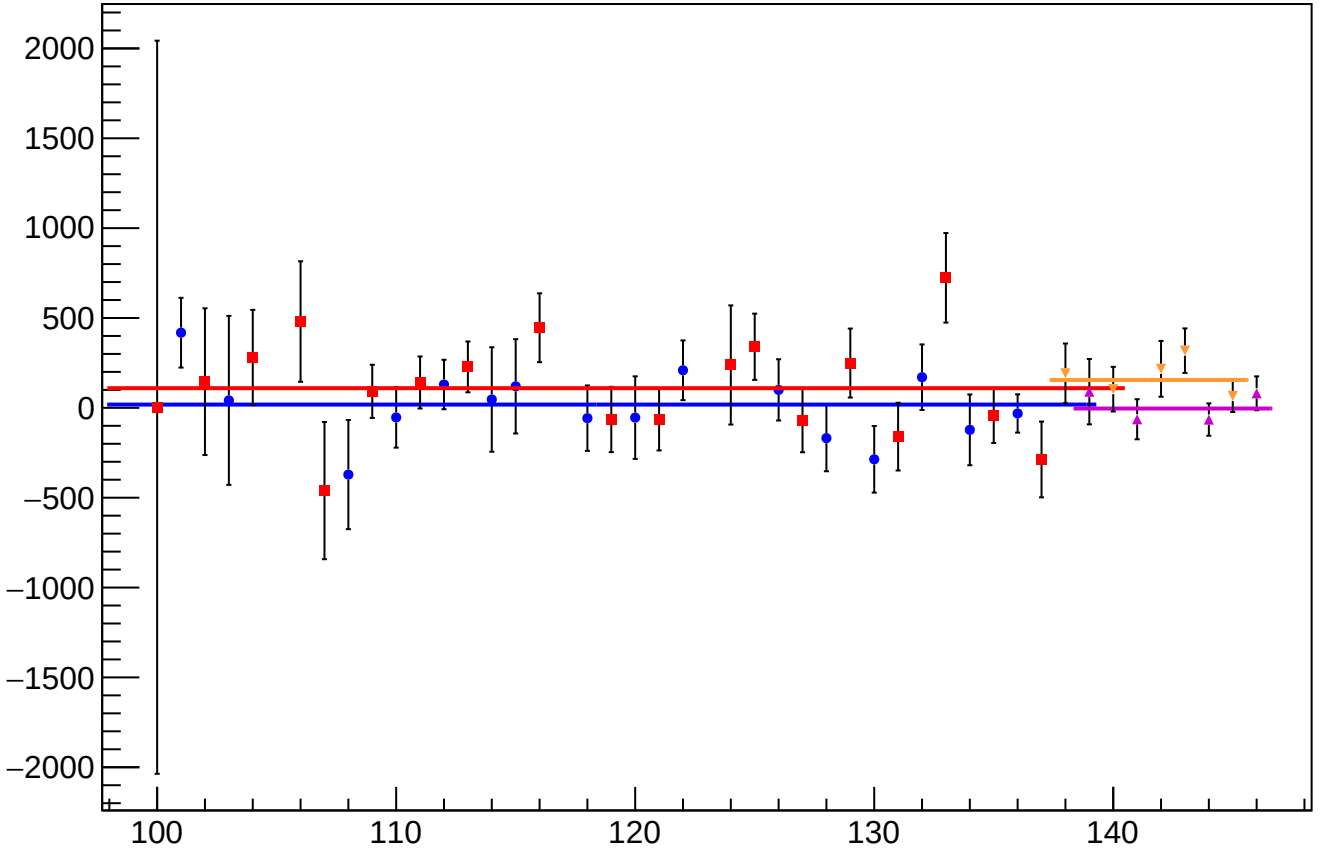
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5449720.6/19

Out: 0.000+/-0.000 χ^2/NDF:5984478.8/23

All: 0.000+/-0.000 χ^2/NDF: 11437974.0/43

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 155.020+/-54.723 χ^2/NDF:3.1/4

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: -3.795+/-53.714 χ^2/NDF:1.8/3

Left: 74.134+/-38.333 χ^2/NDF: 9.2/8

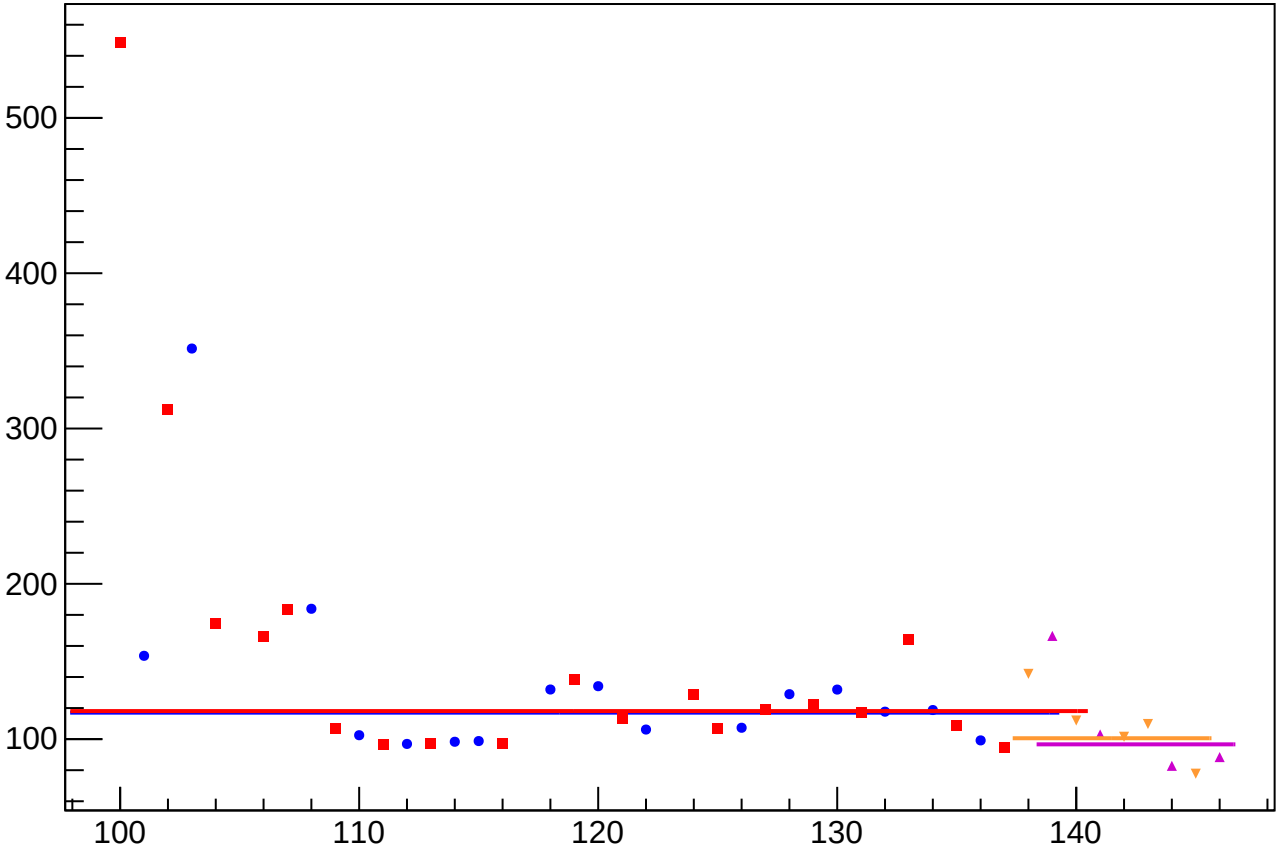
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 8.966+/-34.809 χ^2/NDF:15.8/19

Out: 128.223+/-35.133 χ^2/NDF:29.0/23

All: 68.041+/-24.727 χ^2/NDF: 50.6/43

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.569+/-0.039 χ^2/NDF:284166.4/4

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

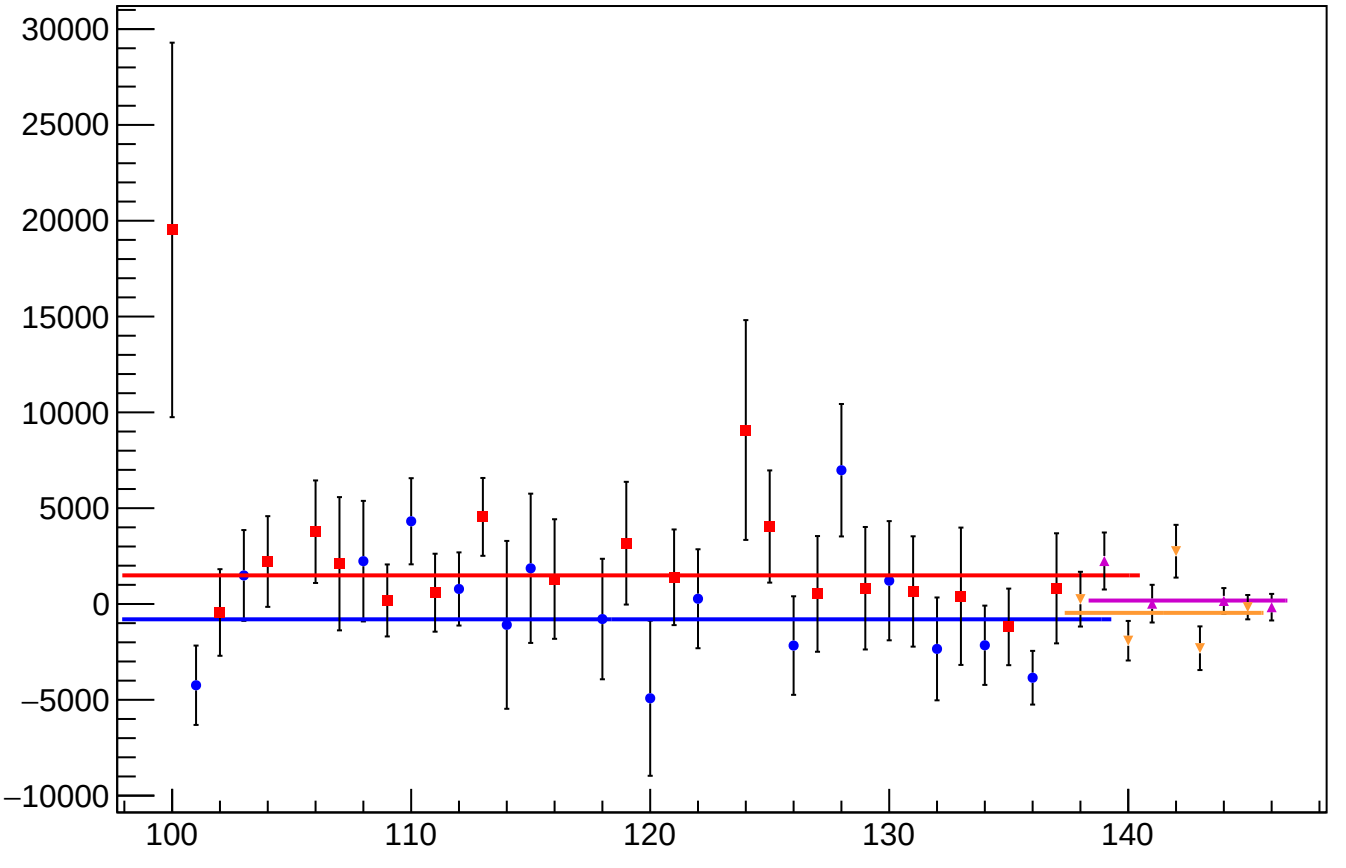
Left: 98.567+/-0.027 χ^2/NDF: 653396.8/8

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 108.485+/-0.025 χ^2/NDF:1390104.5/19

Out: 110.849+/-0.025 χ^2/NDF:1394983.5/23

All: 109.656+/-0.017 χ^2/NDF: 2789656.0/43



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -462.675+/-438.303 χ^2/NDF:10.5/4

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 180.073+/-415.778 χ^2/NDF:2.2/3

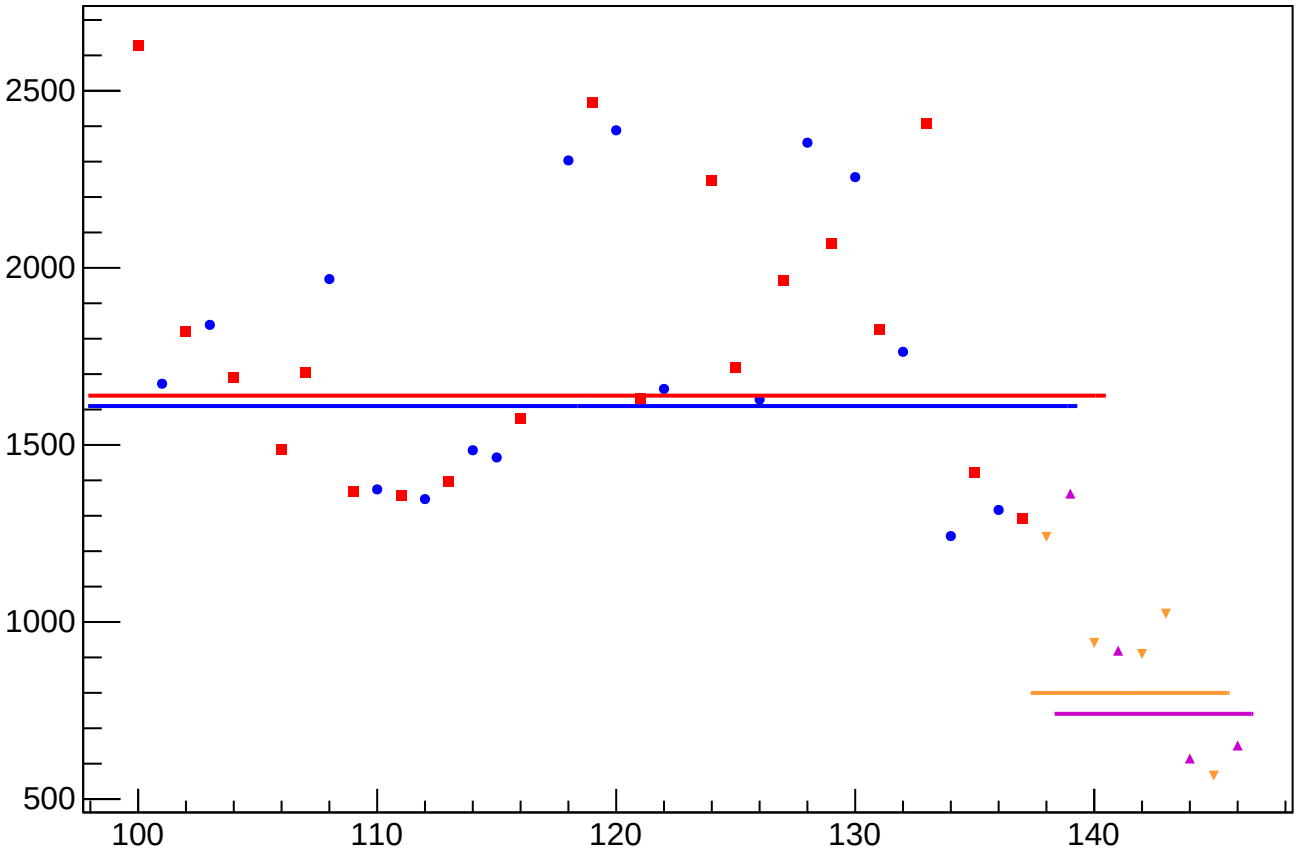
Left: -124.361+/-301.648 χ^2/NDF: 13.9/8

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -126.399+/-344.624 χ^2/NDF:27.4/19

Out: 199.082+/-356.558 χ^2/NDF:30.2/23

All: 30.803+/-247.798 χ^2/NDF: 58.0/43



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 799.672+/-0.310 χ^2/NDF:587721.9/4

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 740.777+/-0.294 χ^2/NDF:519372.4/3

Left: 768.672+/-0.213 χ^2/NDF: 1126101.0/8

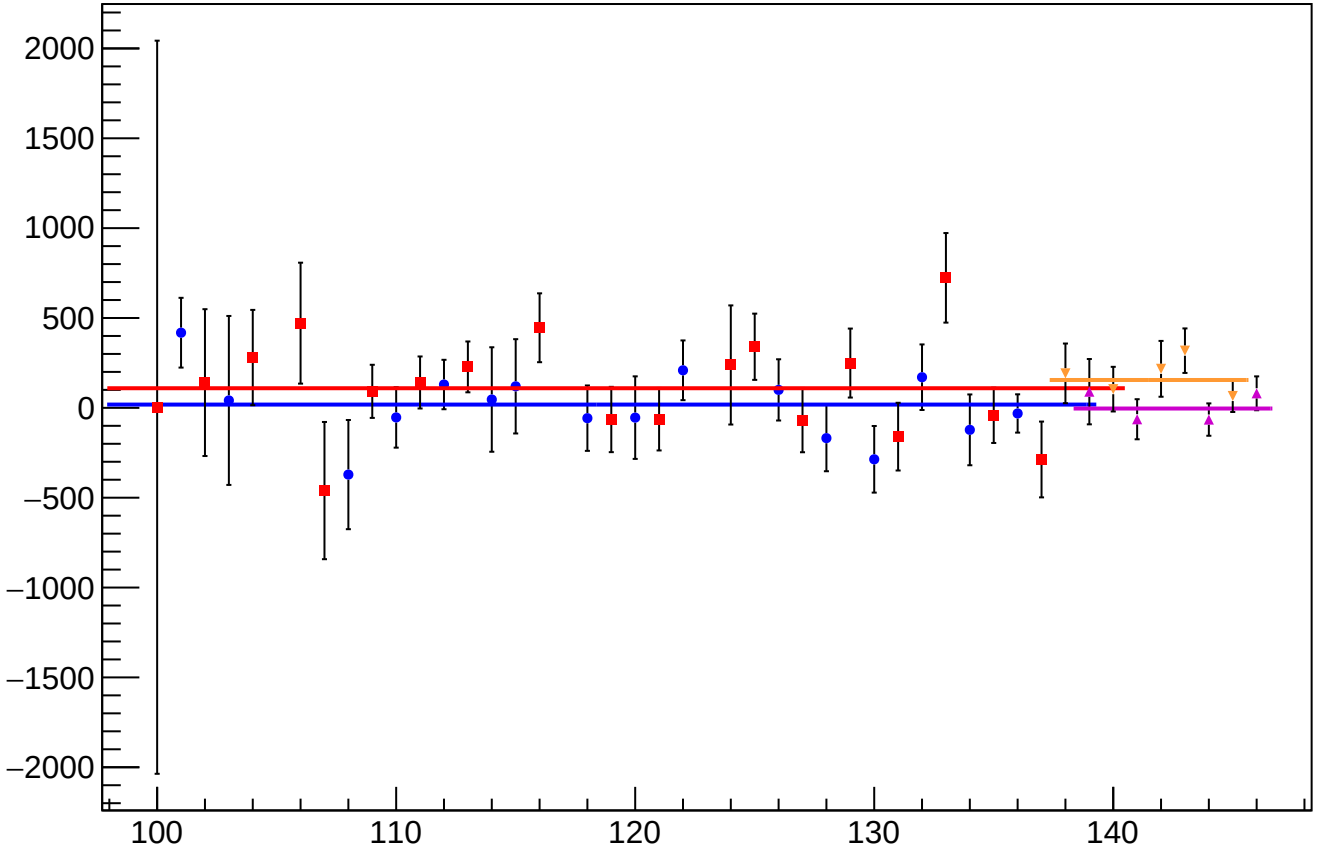
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1012.759+/-0.244 χ^2/NDF:3872943.0/19

Out: 1083.633+/-0.252 χ^2/NDF:3589875.3/23

All: 1046.990+/-0.175 χ^2/NDF: 7503673.8/43

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 155.028+/-54.723 χ^2/NDF:3.1/4

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: -3.793+/-53.714 χ^2/NDF:1.8/3

Left: 74.139+/-38.333 χ^2/NDF: 9.2/8

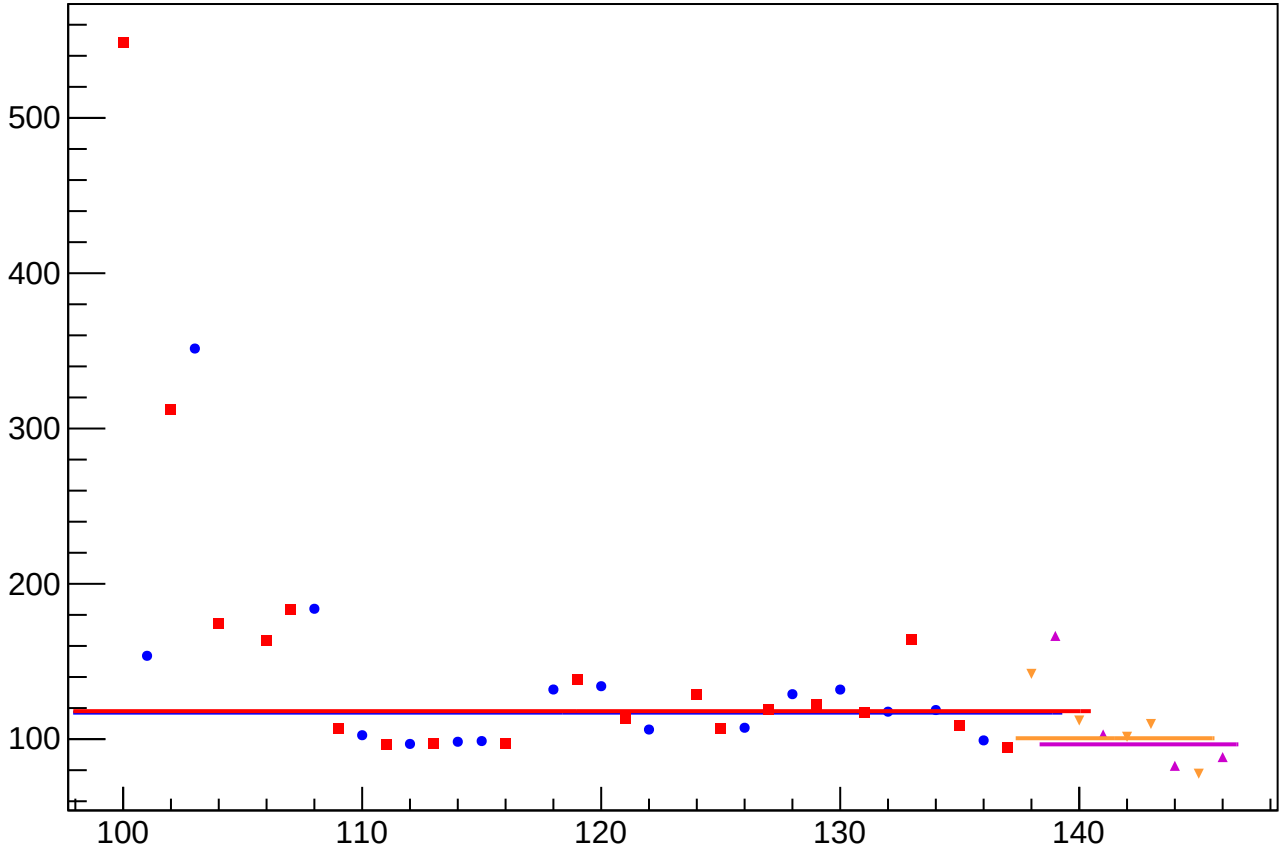
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 8.959+/-34.809 χ^2/NDF:15.8/19

Out: 128.062+/-35.135 χ^2/NDF:28.9/23

All: 67.955+/-24.728 χ^2/NDF: 50.5/43

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.569+/-0.039 χ^2/NDF:284166.4/4

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

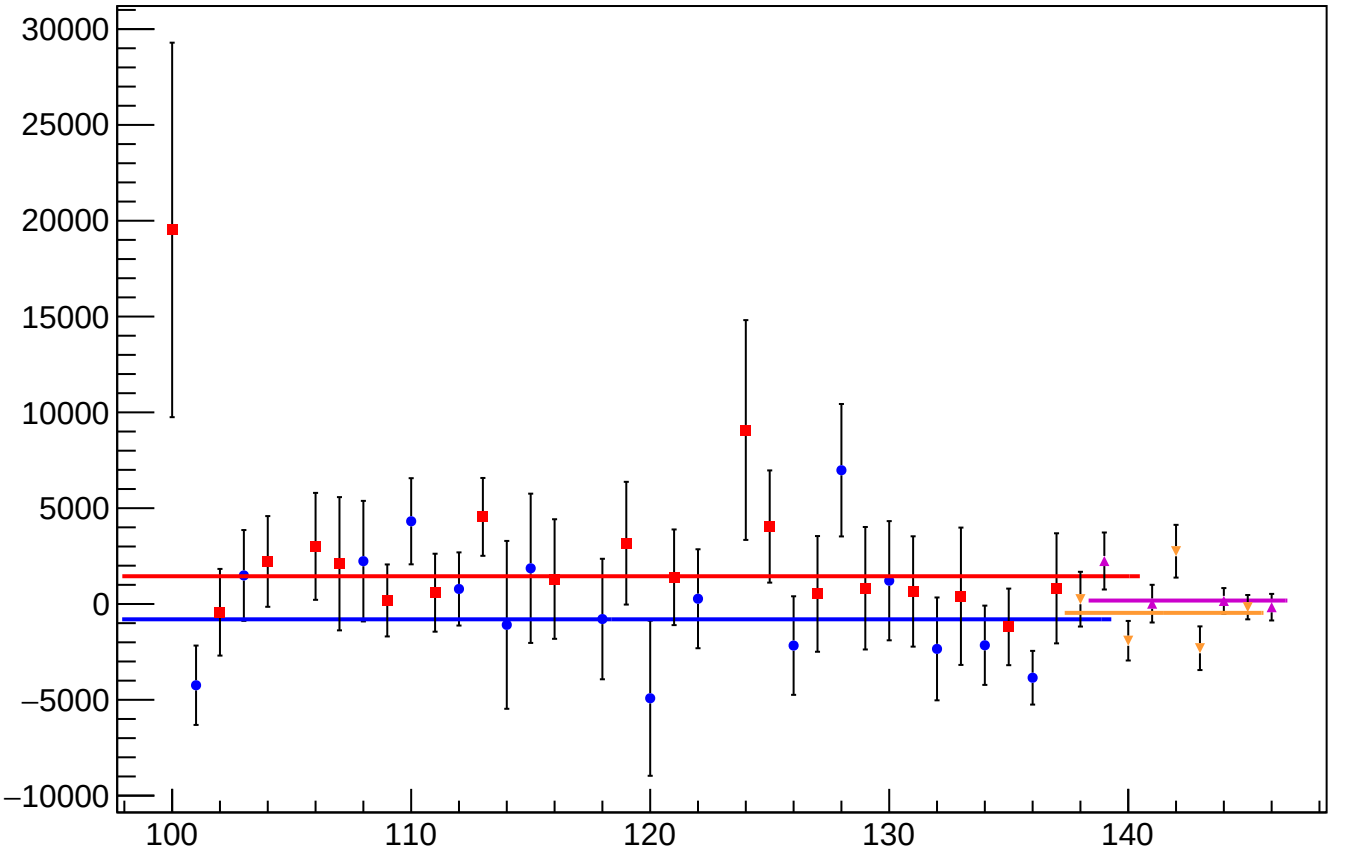
Left: 98.567+/-0.027 χ^2/NDF: 653396.8/8

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 108.485+/-0.025 χ^2/NDF:1390106.5/19

Out: 110.818+/-0.025 χ^2/NDF:1390072.8/23

All: 109.641+/-0.017 χ^2/NDF: 2784628.1/43



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -462.666+/-438.303 χ^2/NDF:10.5/4

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 180.082+/-415.778 χ^2/NDF:2.2/3

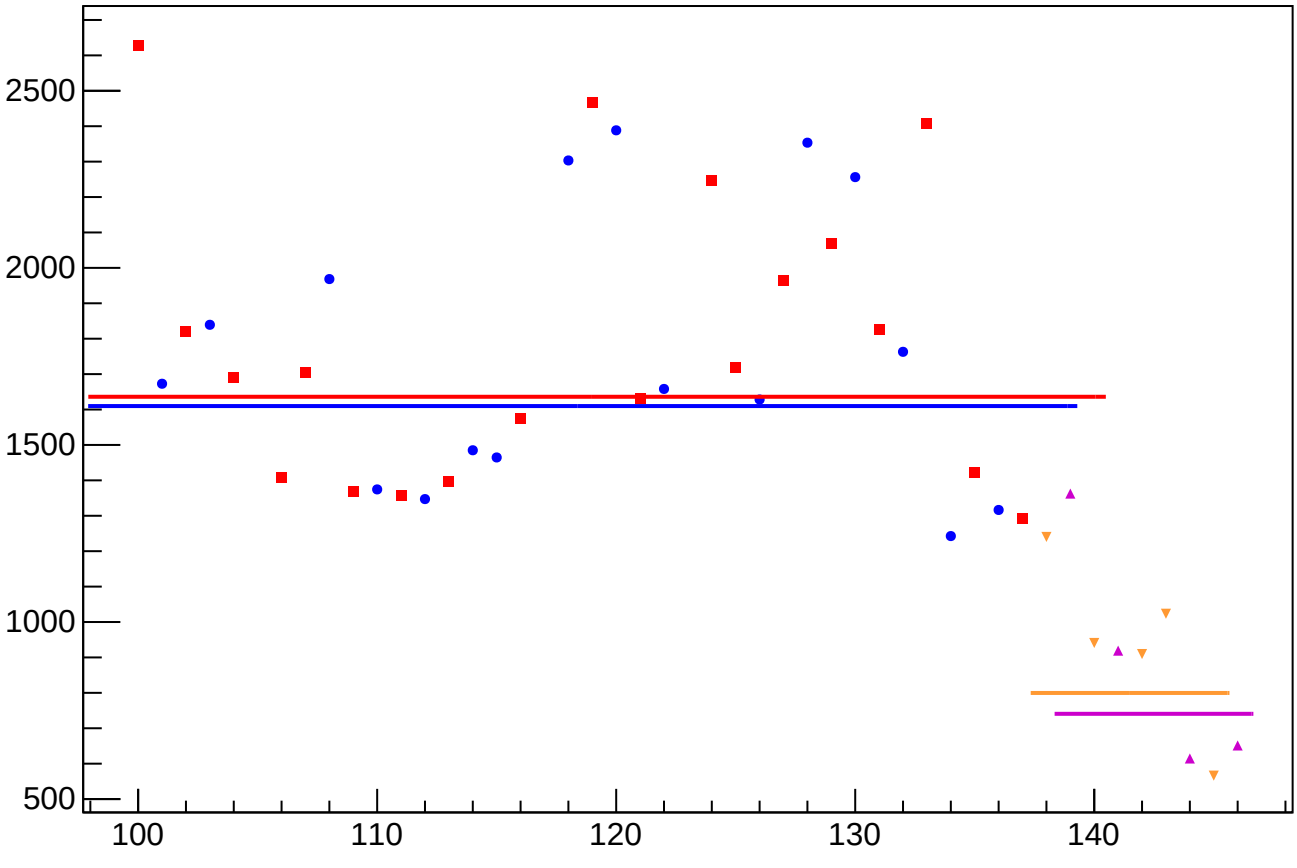
Left: -124.352+/-301.648 χ^2/NDF: 13.9/8

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -126.384+/-344.625 χ^2/NDF:27.4/19

Out: 181.836+/-356.822 χ^2/NDF:29.4/23

All: 22.368+/-247.887 χ^2/NDF: 57.2/43



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 799.671+/-0.310 χ^2/NDF:587721.6/4

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 740.777+/-0.294 χ^2/NDF:519373.9/3

Left: 768.672+/-0.213 χ^2/NDF: 1126102.2/8

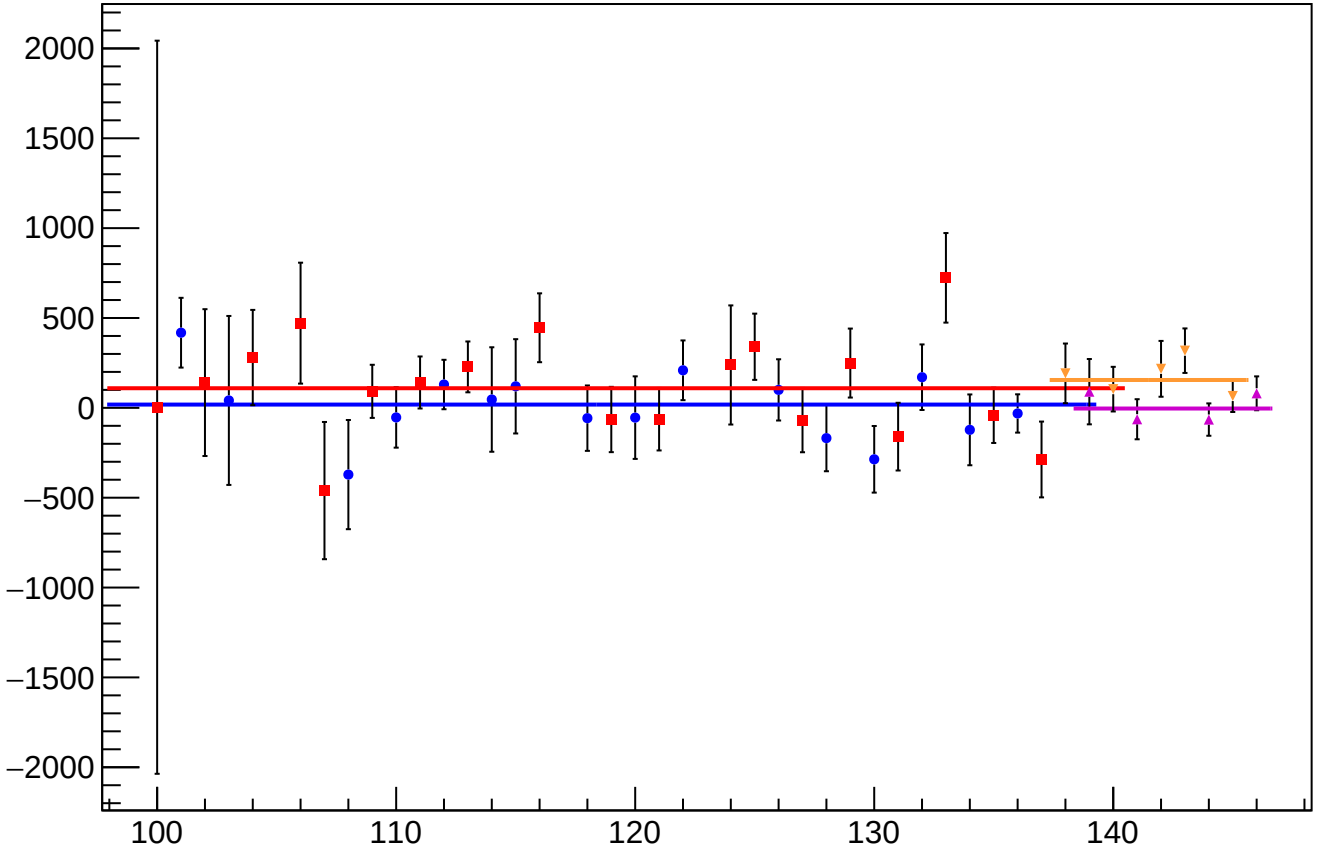
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1012.758+/-0.244 χ^2/NDF:3873007.5/19

Out: 1081.731+/-0.252 χ^2/NDF:3571506.5/23

All: 1046.046+/-0.175 χ^2/NDF: 7483176.9/43

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 155.028+/-54.723 χ^2/NDF:3.1/4

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: -3.793+/-53.714 χ^2/NDF:1.8/3

Left: 74.139+/-38.333 χ^2/NDF: 9.2/8

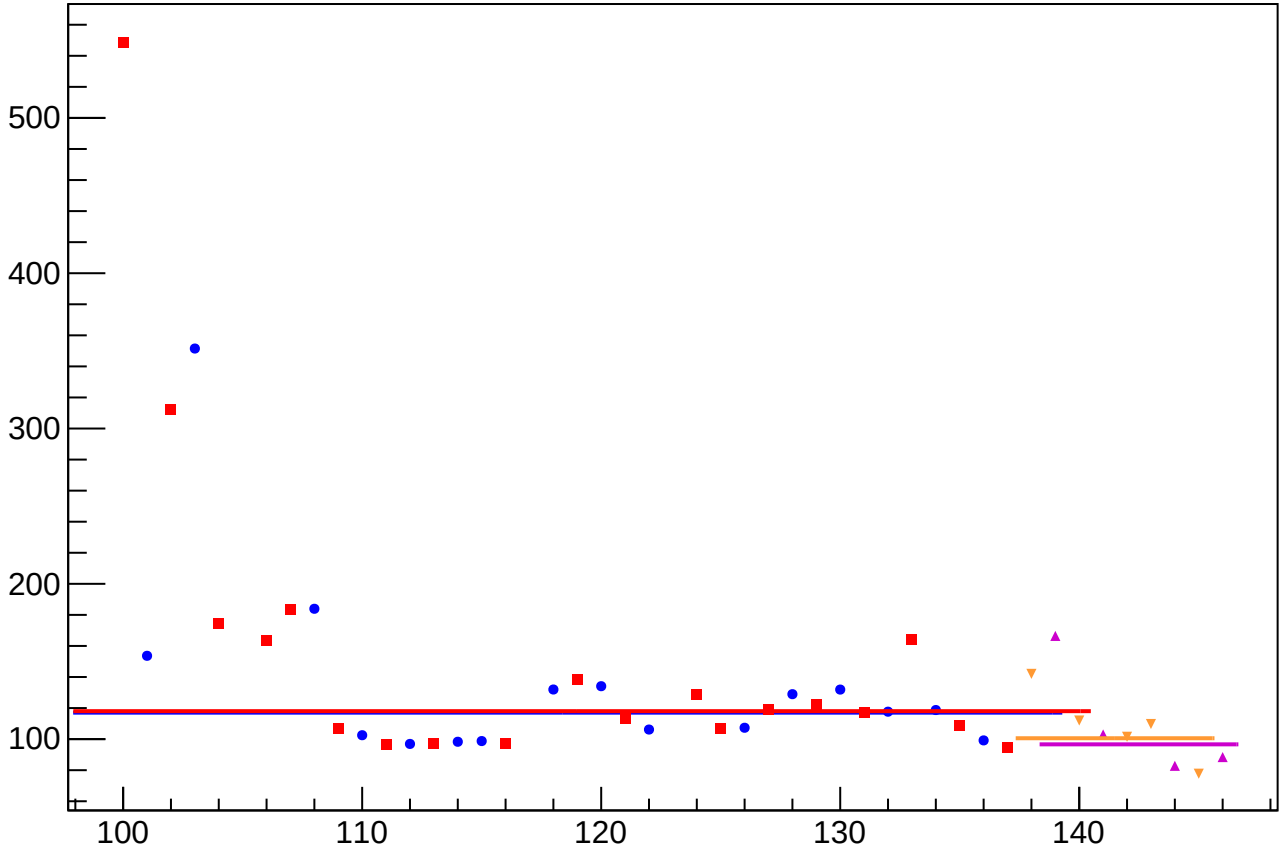
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 8.959+/-34.809 χ^2/NDF:15.8/19

Out: 128.062+/-35.135 χ^2/NDF:28.9/23

All: 67.955+/-24.728 χ^2/NDF: 50.5/43

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.569+/-0.039 χ^2/NDF:284166.4/4

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

Left: 98.567+/-0.027 χ^2/NDF: 653396.8/8

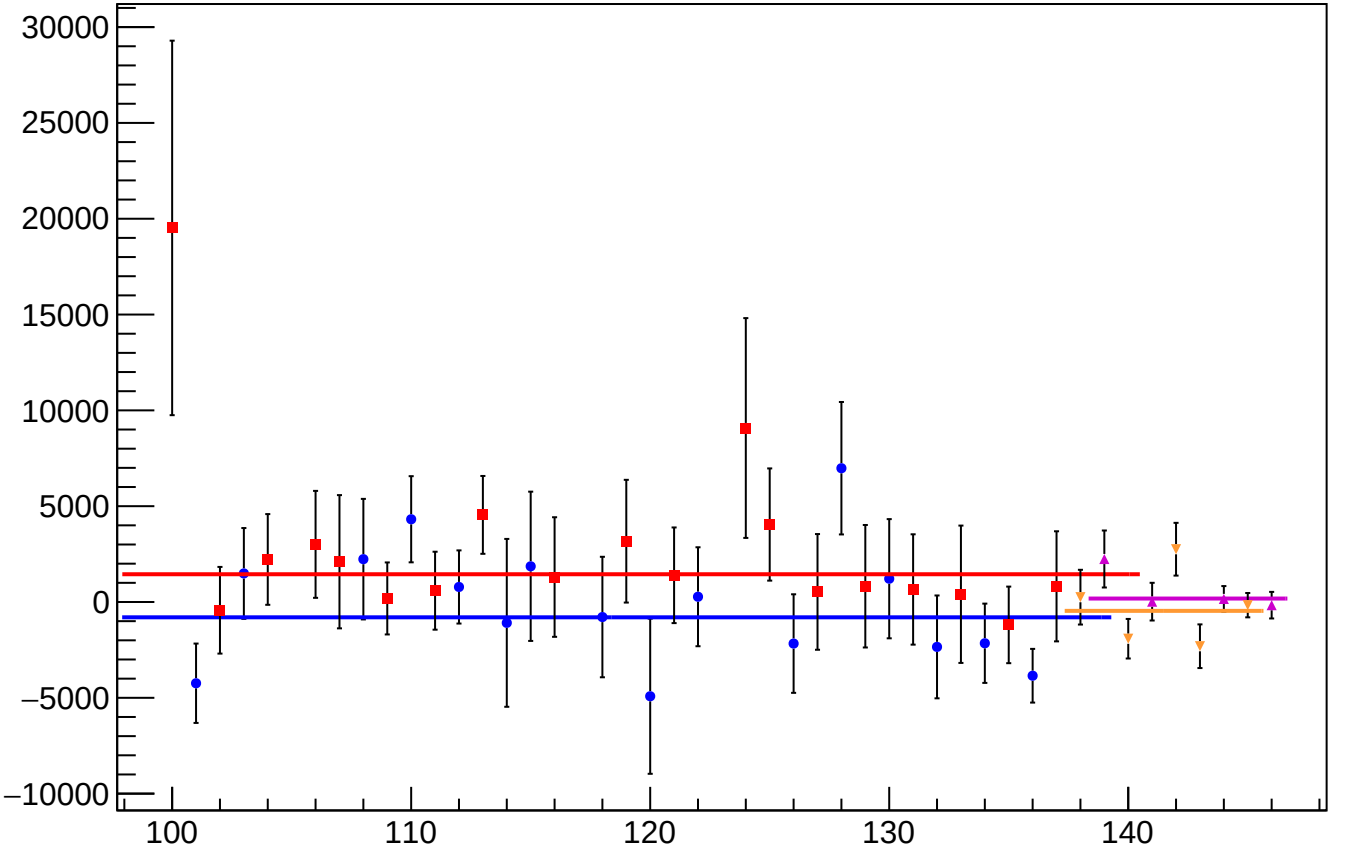
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 108.485+/-0.025 χ^2/NDF:1390106.5/19

Out: 110.818+/-0.025 χ^2/NDF:1390072.8/23

All: 109.641+/-0.017 χ^2/NDF: 2784628.1/43

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -462.666+/-438.303 χ^2/NDF:10.5/4

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 180.082+/-415.778 χ^2/NDF:2.2/3

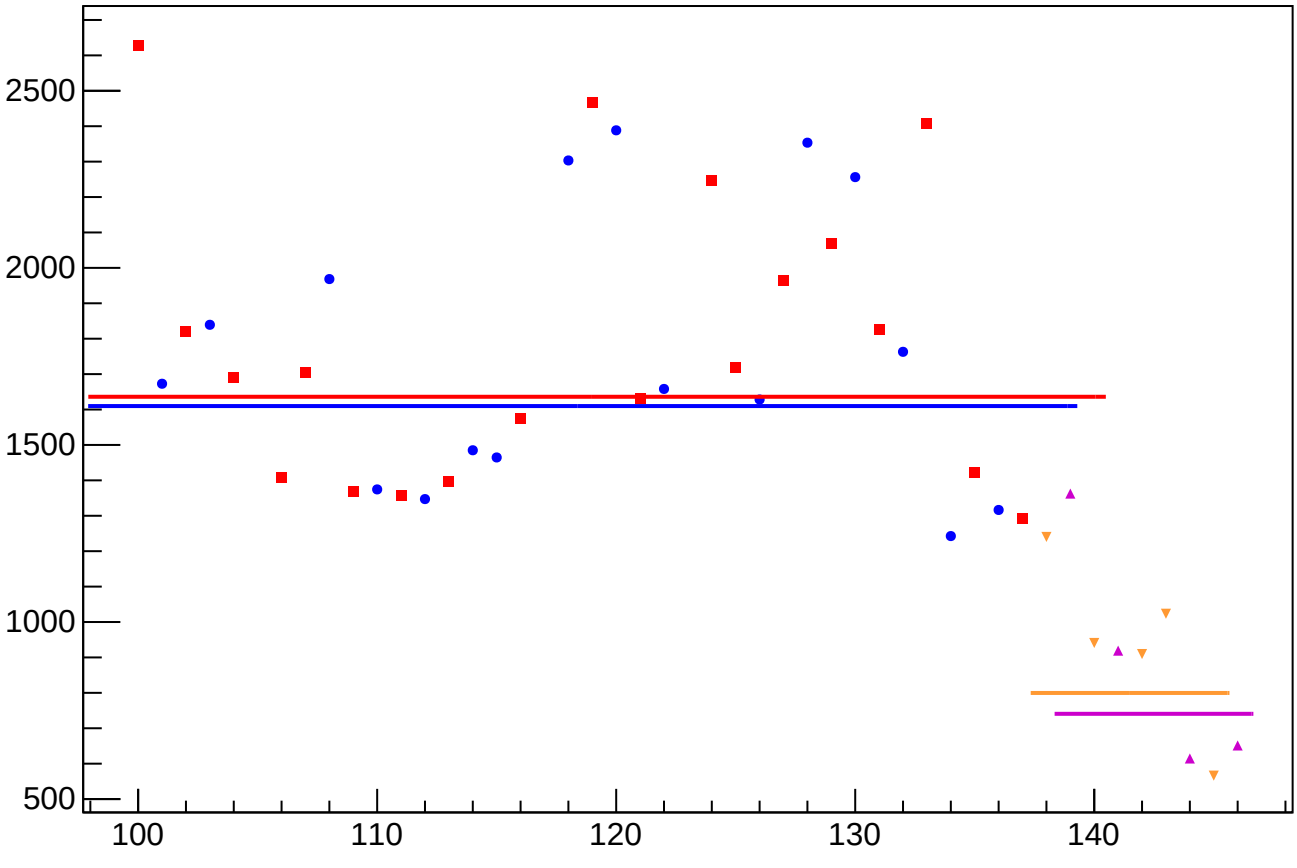
Left: -124.352+/-301.648 χ^2/NDF: 13.9/8

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -126.384+/-344.625 χ^2/NDF:27.4/19

Out: 181.836+/-356.822 χ^2/NDF:29.4/23

All: 22.368+/-247.887 χ^2/NDF: 57.2/43



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 799.671+/-0.310 χ^2/NDF:587721.6/4

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 740.777+/-0.294 χ^2/NDF:519373.9/3

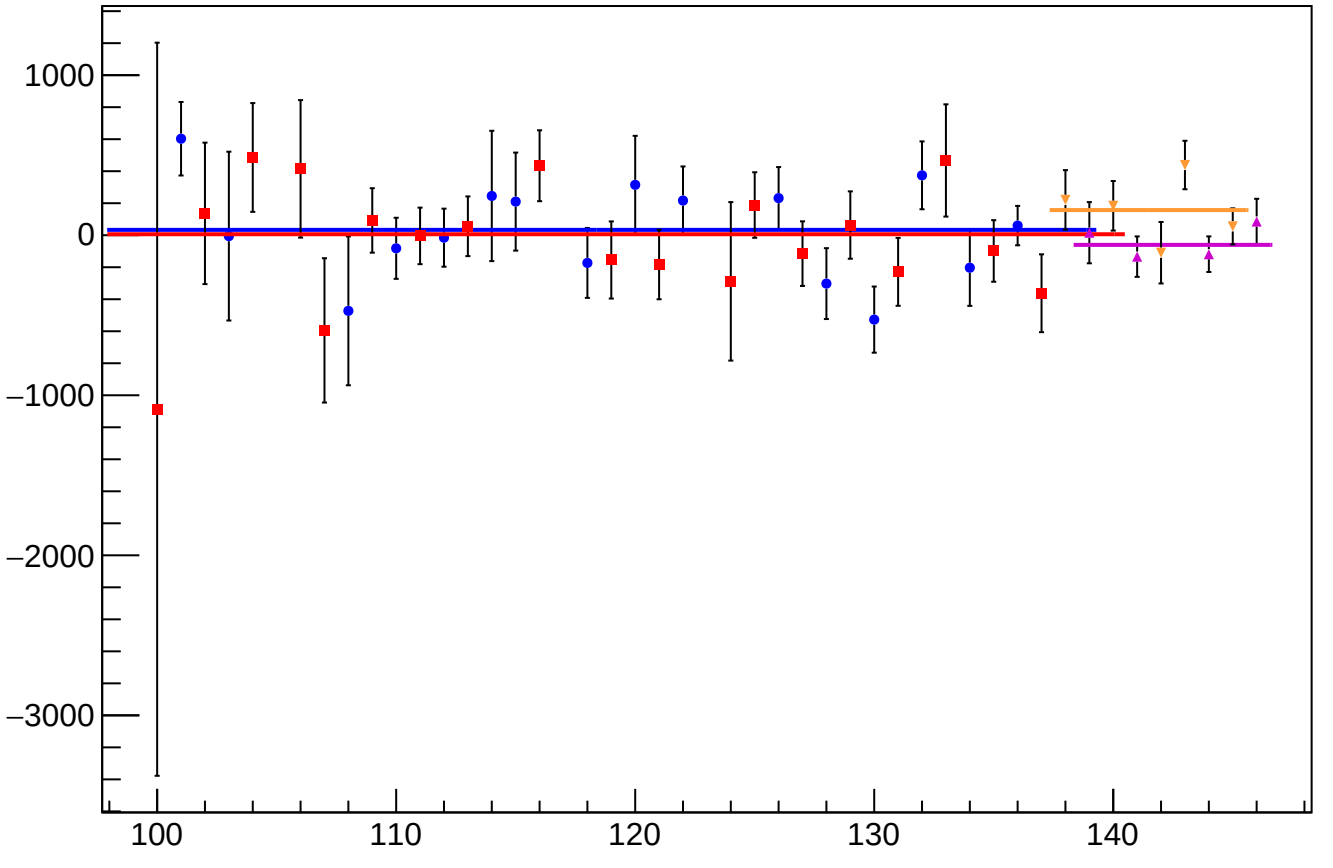
Left: 768.672+/-0.213 χ^2/NDF: 1126102.2/8

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1012.758+/-0.244 χ^2/NDF:3873007.5/19

Out: 1081.731+/-0.252 χ^2/NDF:3571506.5/23

All: 1046.046+/-0.175 χ^2/NDF: 7483176.9/43



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 157.120+/-67.422 χ^2/NDF:6.3/4

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: -60.306+/-67.368 χ^2/NDF:1.8/3

Left: 48.319+/-47.655 χ^2/NDF: 13.4/8

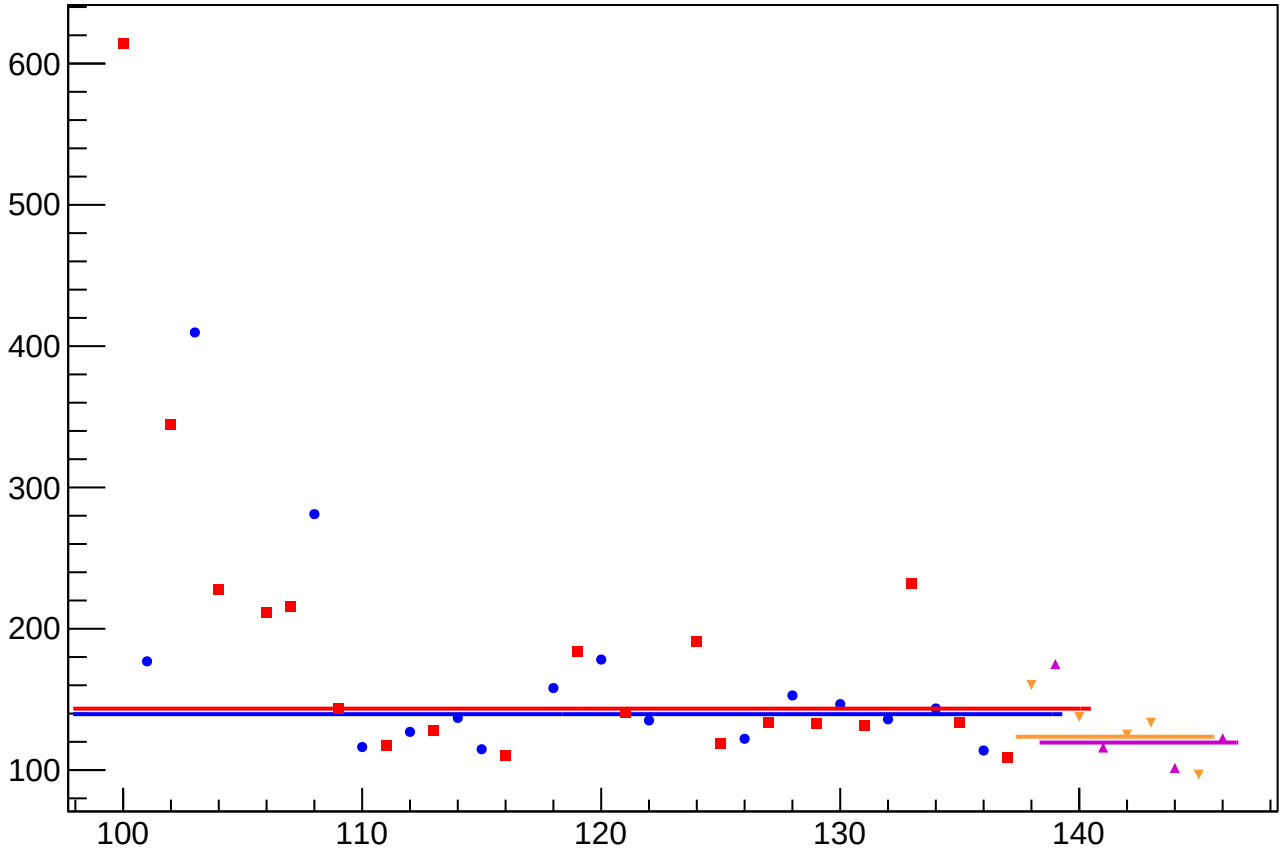
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: -3.960+/-42.562 χ^2/NDF:28.2/19

Out: 67.874+/-43.120 χ^2/NDF:26.6/23

All: 31.489+/-30.291 χ^2/NDF: 56.2/43

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 123.607+/-0.048 χ^2/NDF:215967.6/4

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 119.477+/-0.048 χ^2/NDF:223359.9/3

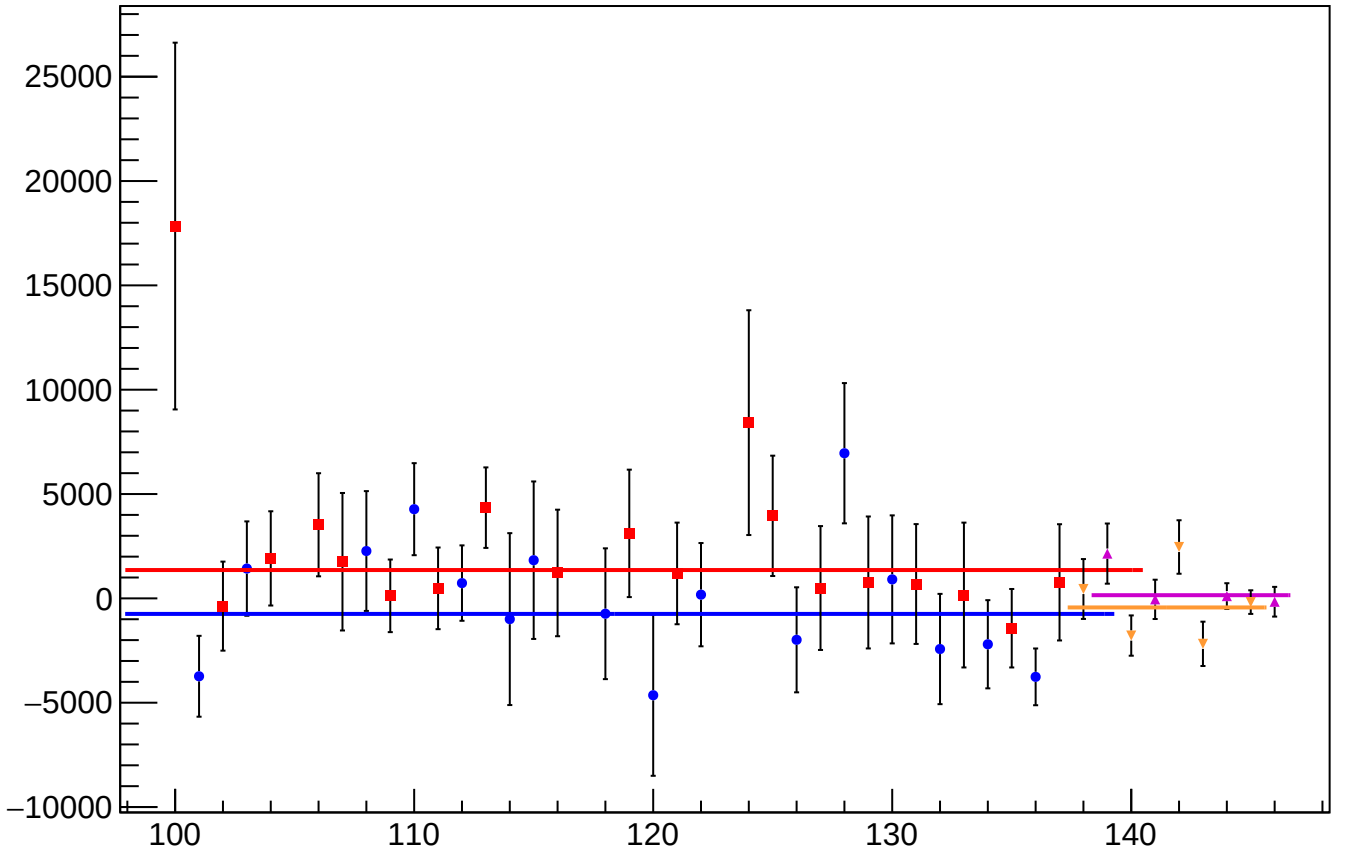
Left: 121.540+/-0.034 χ^2/NDF: 443083.8/8

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 131.548+/-0.030 χ^2/NDF:1306960.7/19

Out: 135.351+/-0.030 χ^2/NDF:1435318.4/23

All: 133.425+/-0.021 χ^2/NDF: 2750161.4/43



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -434.920+/-402.410 χ^2/NDF:10.3/4

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 152.590+/-401.636 χ^2/NDF:2.2/3

Left: -140.599+/-284.273 χ^2/NDF: 13.6/8

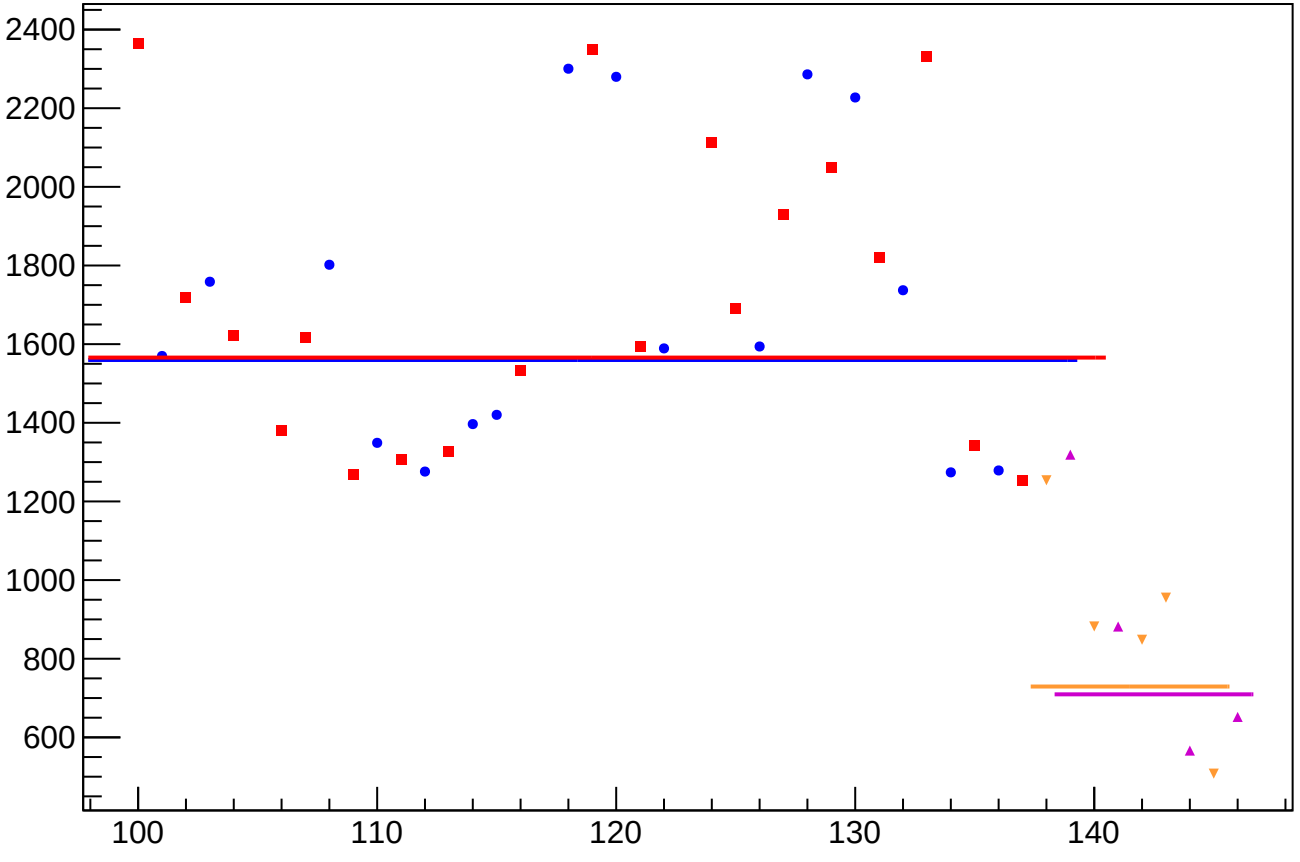
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -127.750+/-333.034 χ^2/NDF:27.2/19

Out: 139.841+/-331.691 χ^2/NDF:30.2/23

All: 6.586+/-235.014 χ^2/NDF: 57.7/43

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 729.299+/-0.285 χ^2/NDF:731384.3/4

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 709.442+/-0.284 χ^2/NDF:544656.6/3

Left: 719.352+/-0.201 χ^2/NDF: 1278480.5/8

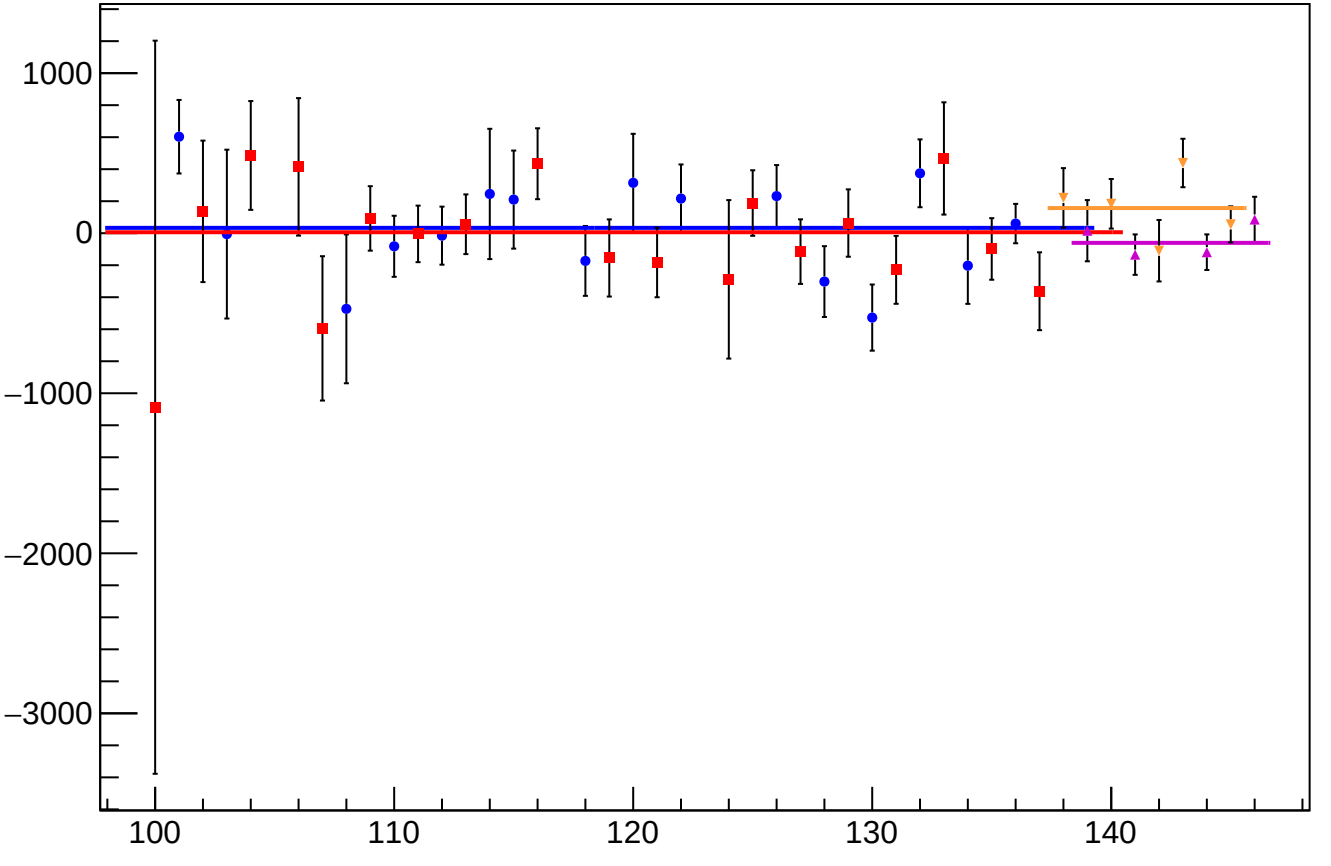
Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 975.105+/-0.235 χ^2/NDF:3949552.0/19

Out: 997.479+/-0.235 χ^2/NDF:4065931.6/23

All: 986.338+/-0.166 χ^2/NDF: 8020015.4/43

eigen_dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 157.118+/-67.423 χ^2/NDF:6.3/4

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: -60.305+/-67.368 χ^2/NDF:1.8/3

Left: 48.318+/-47.656 χ^2/NDF: 13.4/8

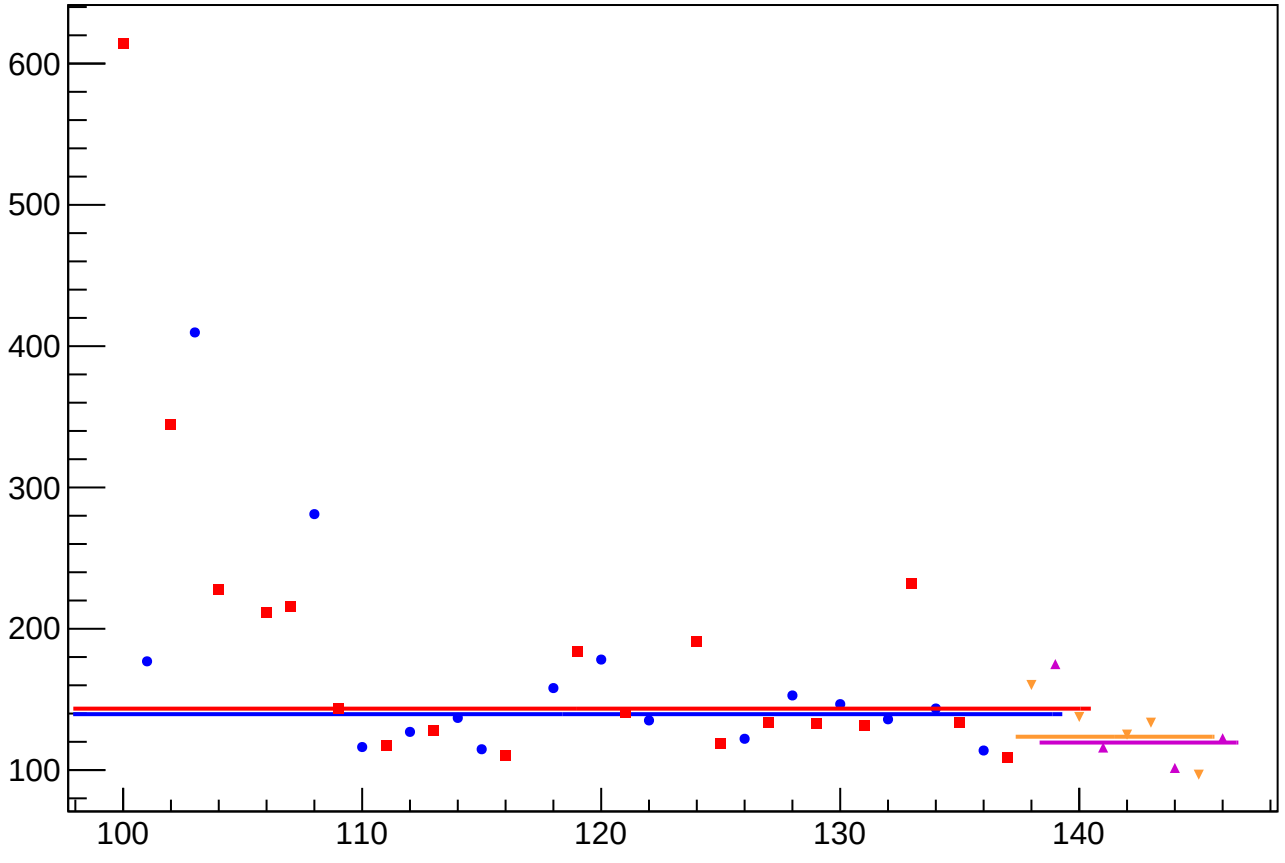
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: -3.960+/-42.562 χ^2/NDF:28.2/19

Out: 67.870+/-43.120 χ^2/NDF:26.6/23

All: 31.487+/-30.291 χ^2/NDF: 56.2/43

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 123.608+/-0.048 χ^2/NDF:215971.0/4

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 119.477+/-0.048 χ^2/NDF:223358.2/3

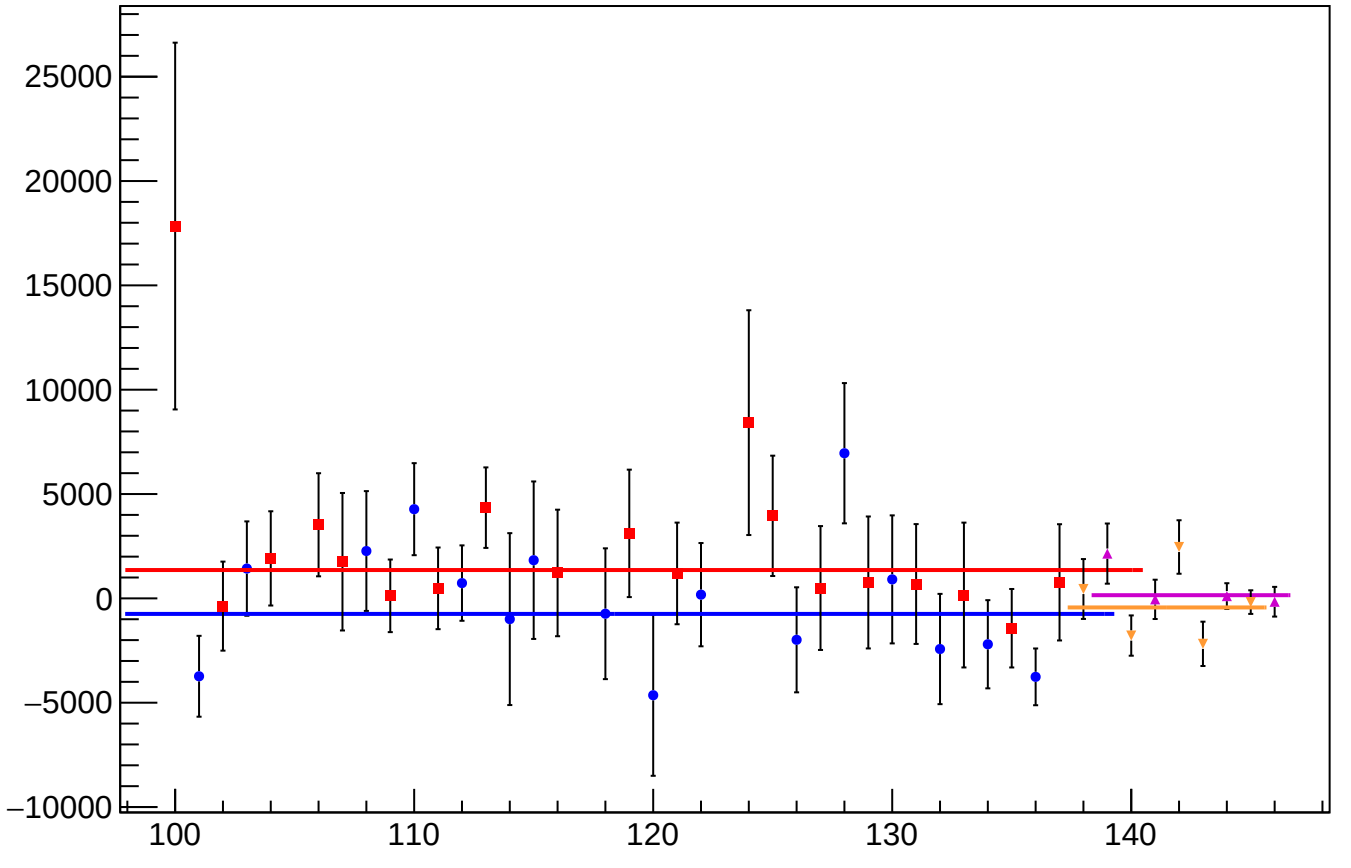
Left: 121.541+/-0.034 χ^2/NDF: 443085.9/8

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 131.548+/-0.030 χ^2/NDF:1306961.1/19

Out: 135.352+/-0.030 χ^2/NDF:1435327.6/23

All: 133.425+/-0.021 χ^2/NDF: 2750171.8/43



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -434.924+/-402.410 χ^2/NDF:10.3/4

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 152.590+/-401.636 χ^2/NDF:2.2/3

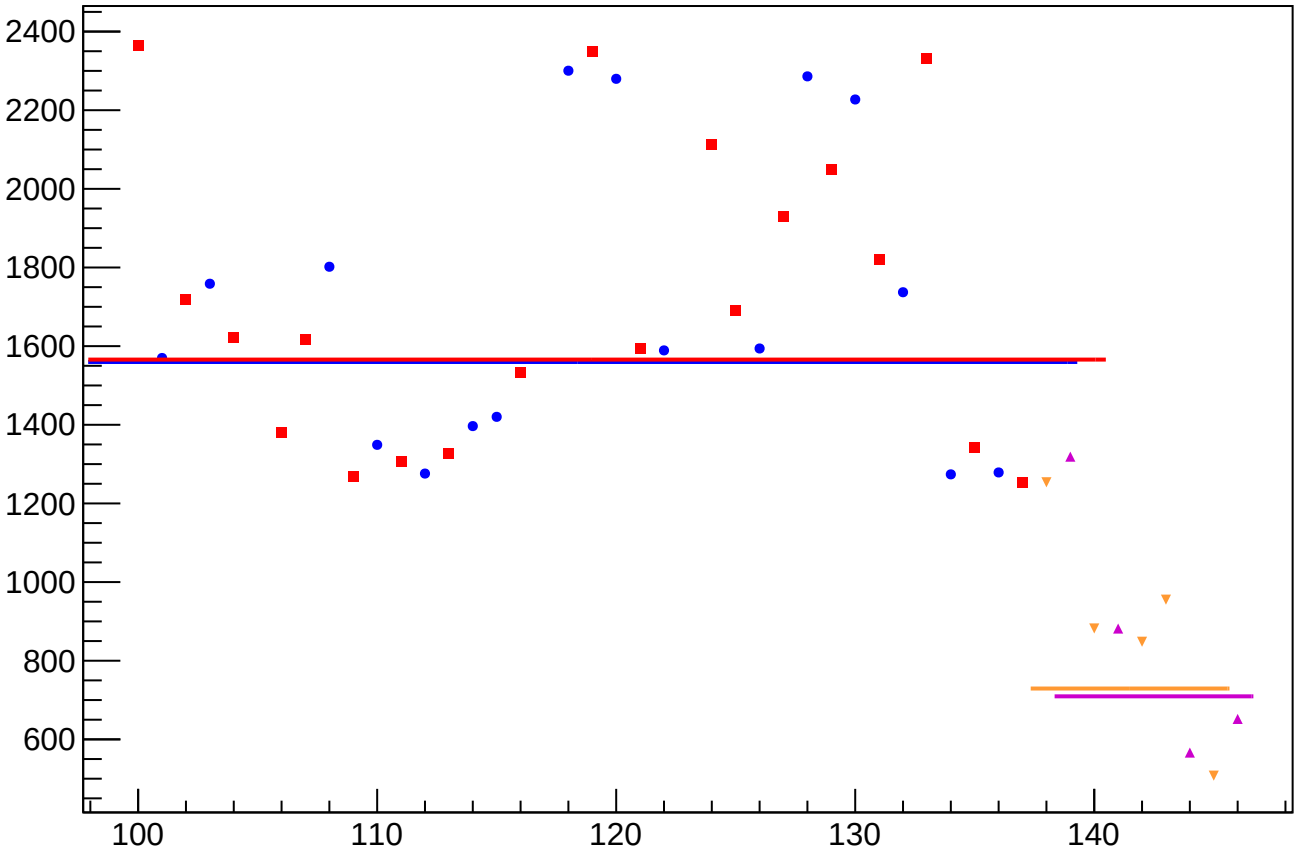
Left: -140.601+/-284.273 χ^2/NDF: 13.6/8

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -127.750+/-333.034 χ^2/NDF:27.2/19

Out: 139.838+/-331.691 χ^2/NDF:30.2/23

All: 6.585+/-235.014 χ^2/NDF: 57.7/43



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 729.298+/-0.285 χ^2/NDF:731385.0/4

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 709.442+/-0.284 χ^2/NDF:544657.7/3

Left: 719.351+/-0.201 χ^2/NDF: 1278482.2/8

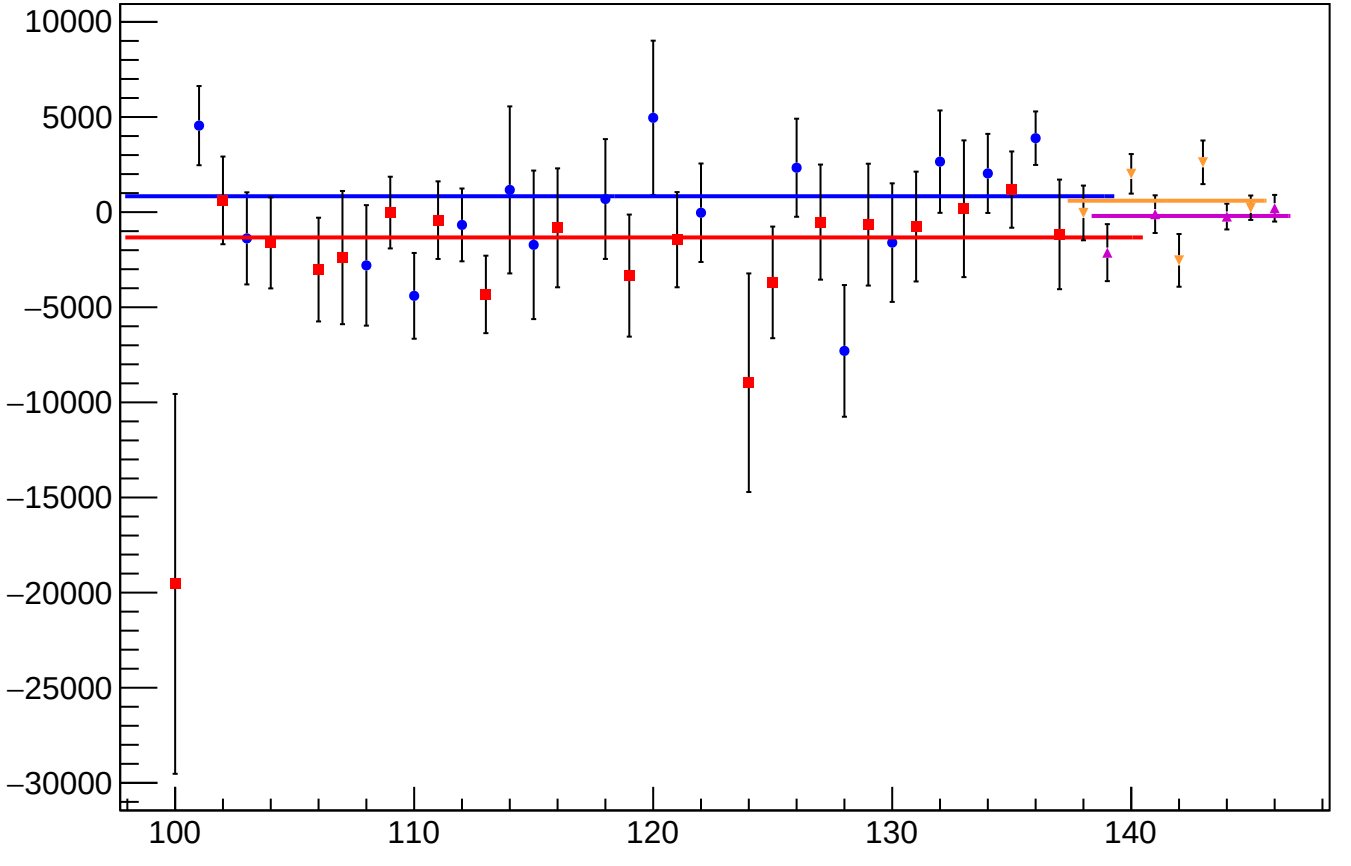
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 975.104+/-0.235 χ^2/NDF:3949552.6/19

Out: 997.479+/-0.235 χ^2/NDF:4065927.4/23

All: 986.337+/-0.166 χ^2/NDF: 8020011.8/43

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 601.176+/-442.068 χ^2/NDF:10.6/4

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -201.250+/-419.554 χ^2/NDF:2.0/3

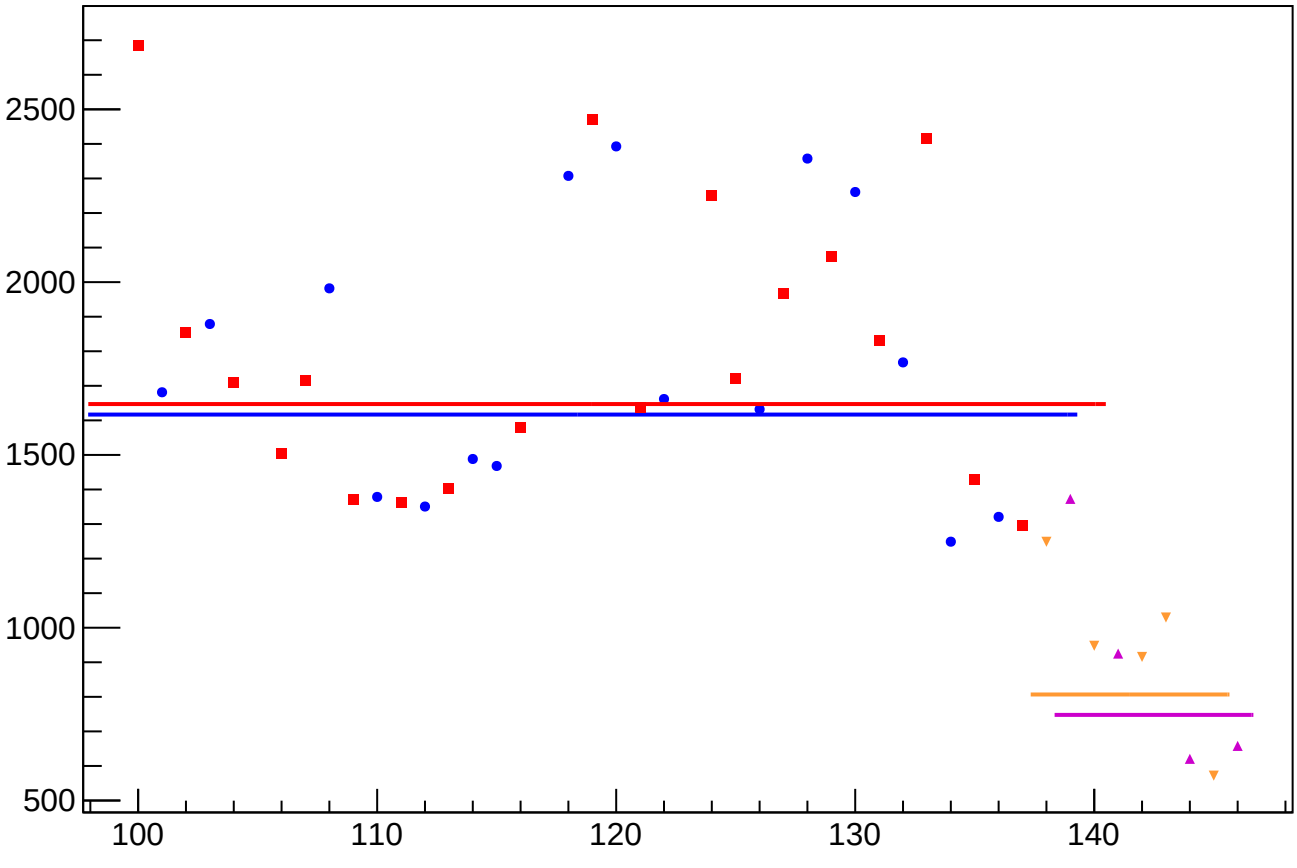
Left: 179.010+/-304.318 χ^2/NDF: 14.3/8

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 125.265+/-347.258 χ^2/NDF:28.8/19

Out: -54.549+/-359.239 χ^2/NDF:29.2/23

All: 38.407+/-249.677 χ^2/NDF: 58.2/43



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 806.802+/-0.313 χ^2/NDF:581034.7/4

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 747.763+/-0.297 χ^2/NDF:515581.2/3

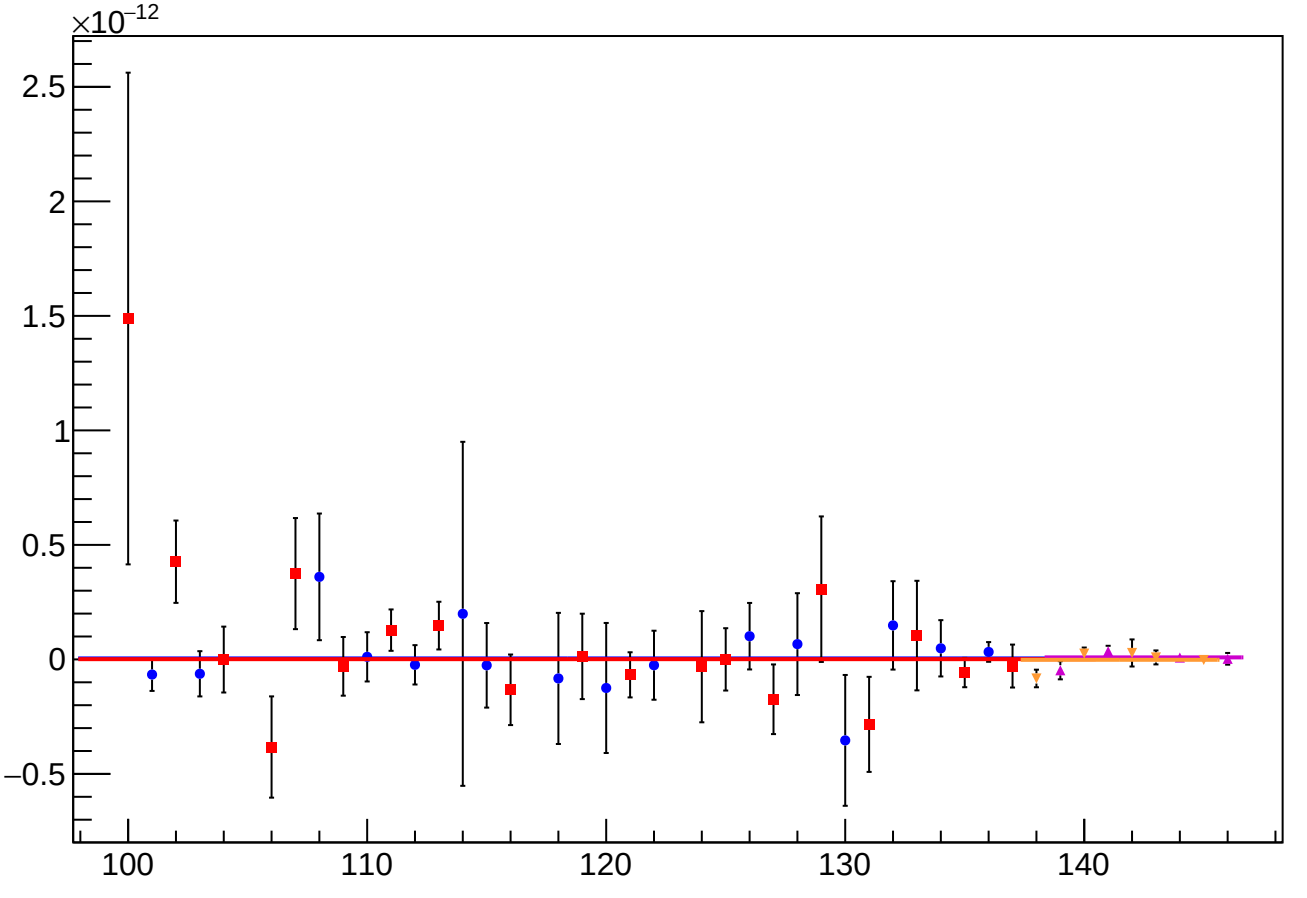
Left: 775.741+/-0.215 χ^2/NDF: 1115383.8/8

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1021.460+/-0.246 χ^2/NDF:3840348.7/19

Out: 1092.234+/-0.254 χ^2/NDF:3559898.5/23

All: 1055.647+/-0.177 χ^2/NDF: 7440376.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/3

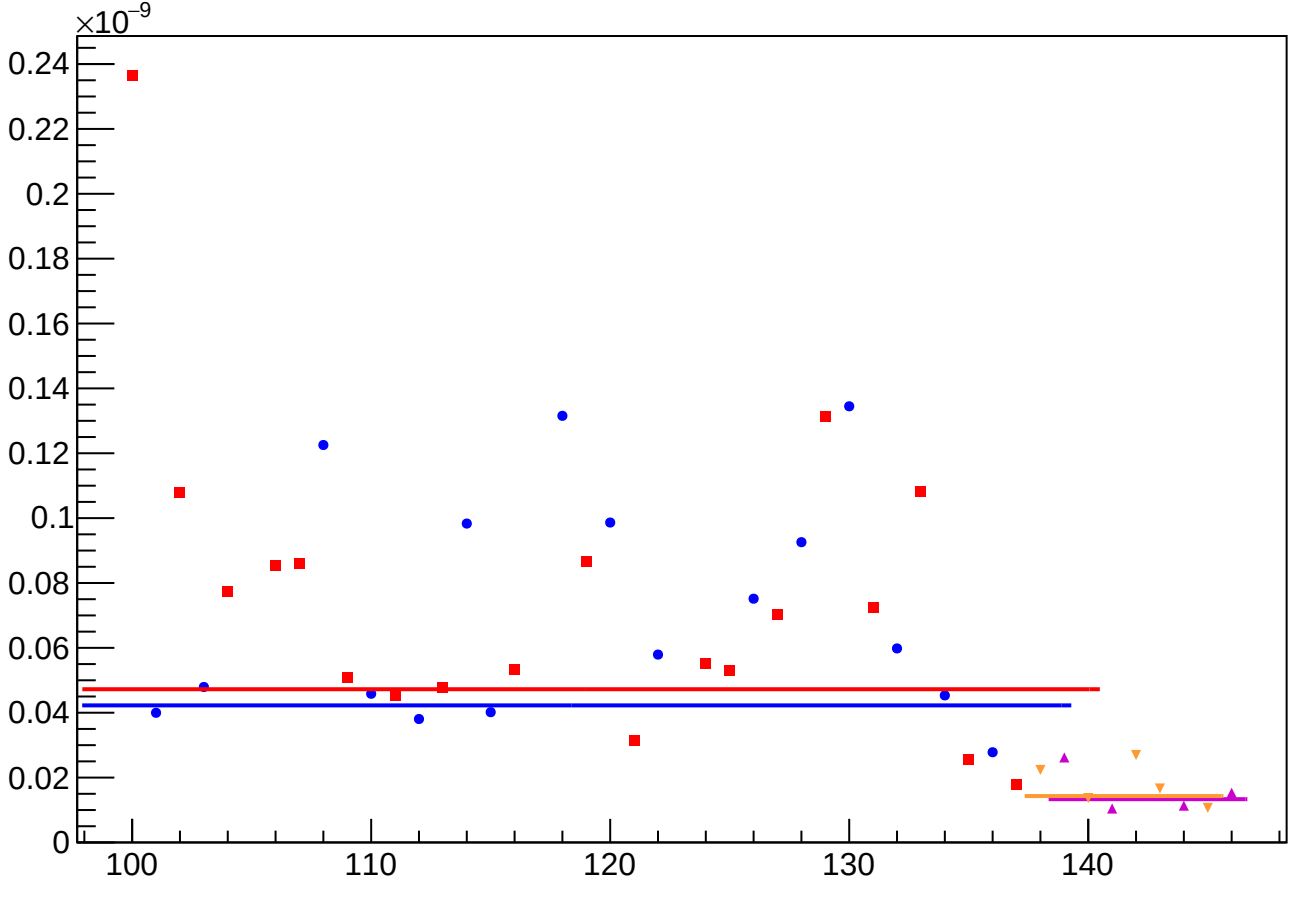
Left: 0.000+/-0.000 χ^2/NDF: 9.6/8

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:10.2/19

Out: -0.000+/-0.000 χ^2/NDF:29.3/23

All: 0.000+/-0.000 χ^2/NDF: 39.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:270212.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:276746.1/3

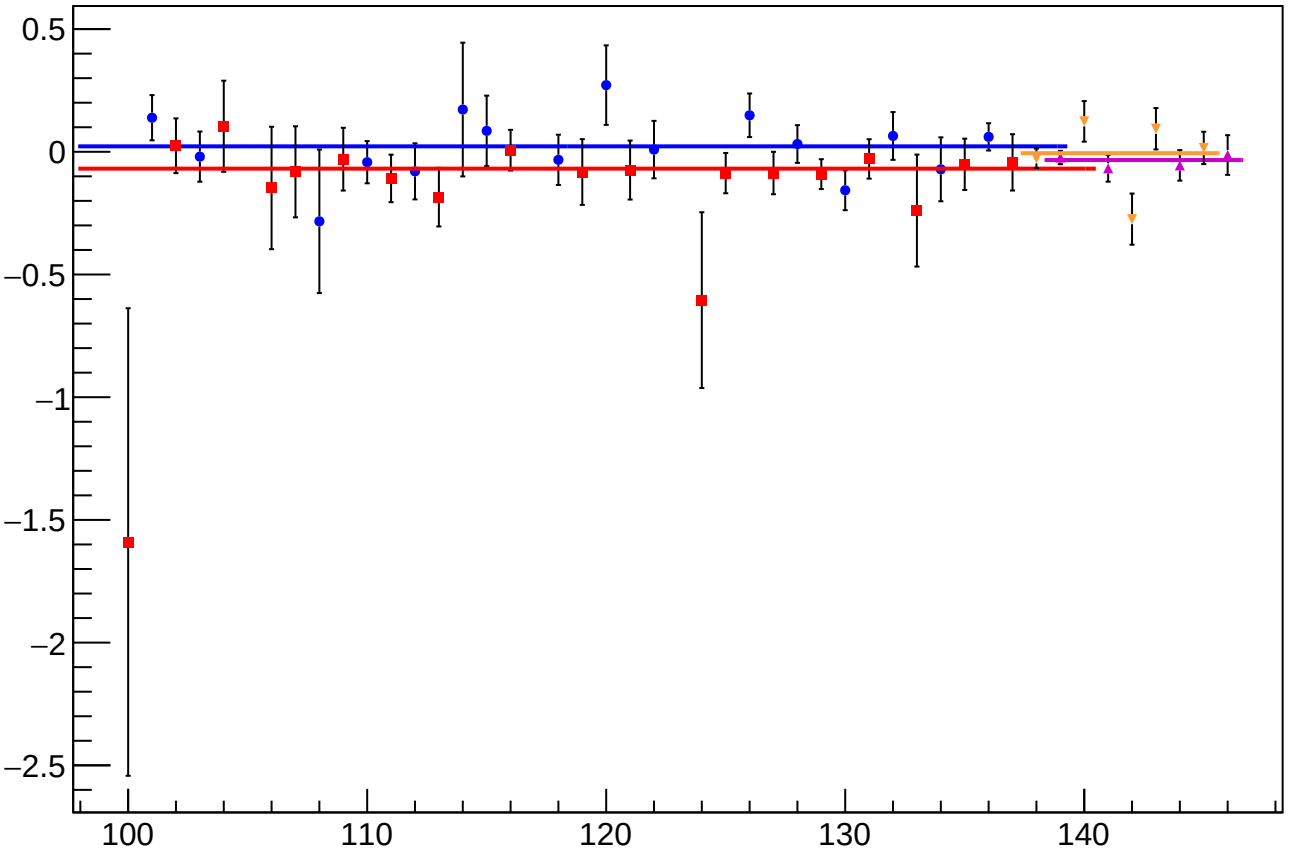
Left: 0.000+/-0.000 χ^2/NDF: 553089.8/8

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:3313924.7/19

Out: 0.000+/-0.000 χ^2/NDF:3700507.9/23

All: 0.000+/-0.000 χ^2/NDF: 7023668.7/43



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.006+/-0.028 χ^2/NDF:10.9/4

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.034+/-0.022 χ^2/NDF:0.7/3

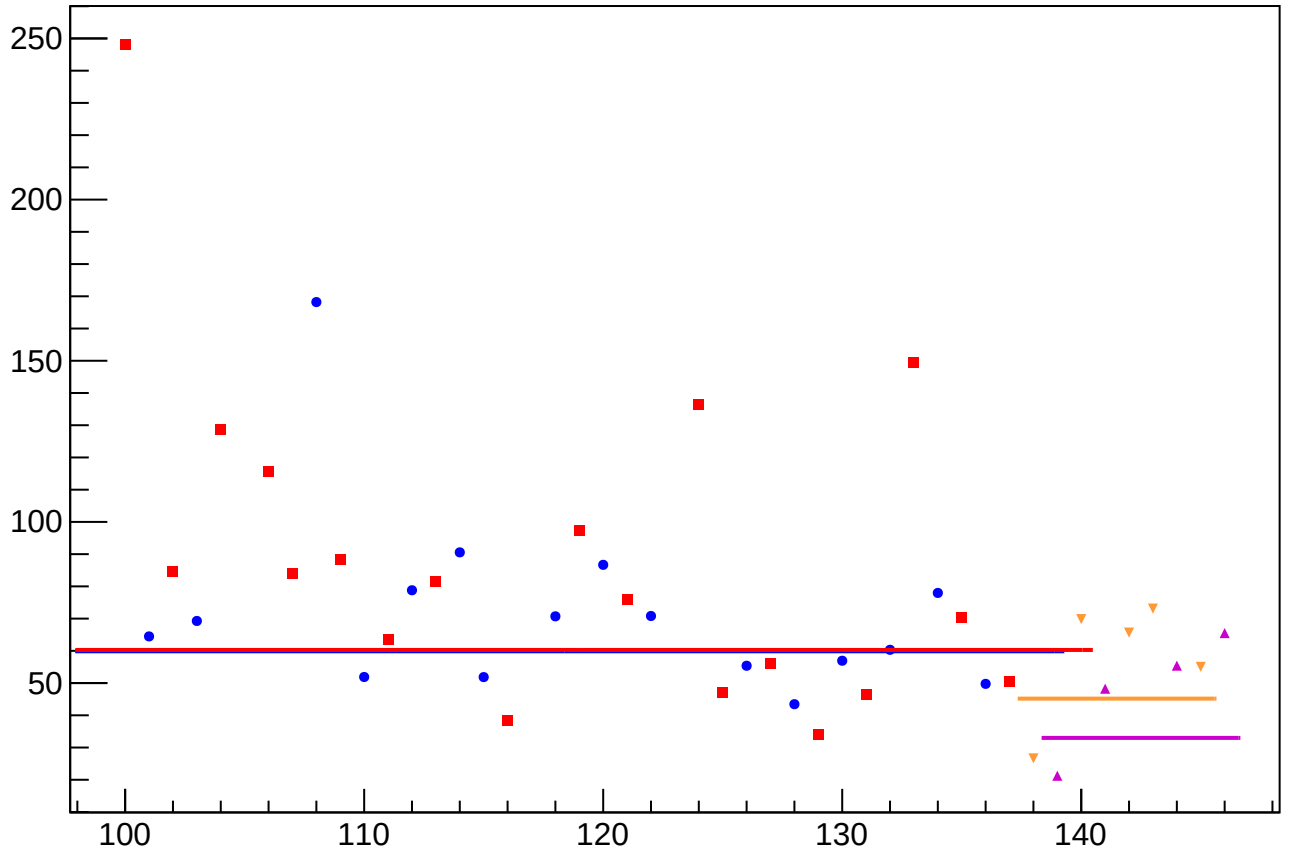
Left: -0.023+/-0.017 χ^2/NDF: 12.2/8

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.016 χ^2/NDF:19.1/19

Out: -0.041+/-0.019 χ^2/NDF:23.2/23

All: -0.023+/-0.012 χ^2/NDF: 43.9/43



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 45.177+/-0.020 χ^2/NDF:952695.5/4

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 32.989+/-0.015 χ^2/NDF:1114716.9/3

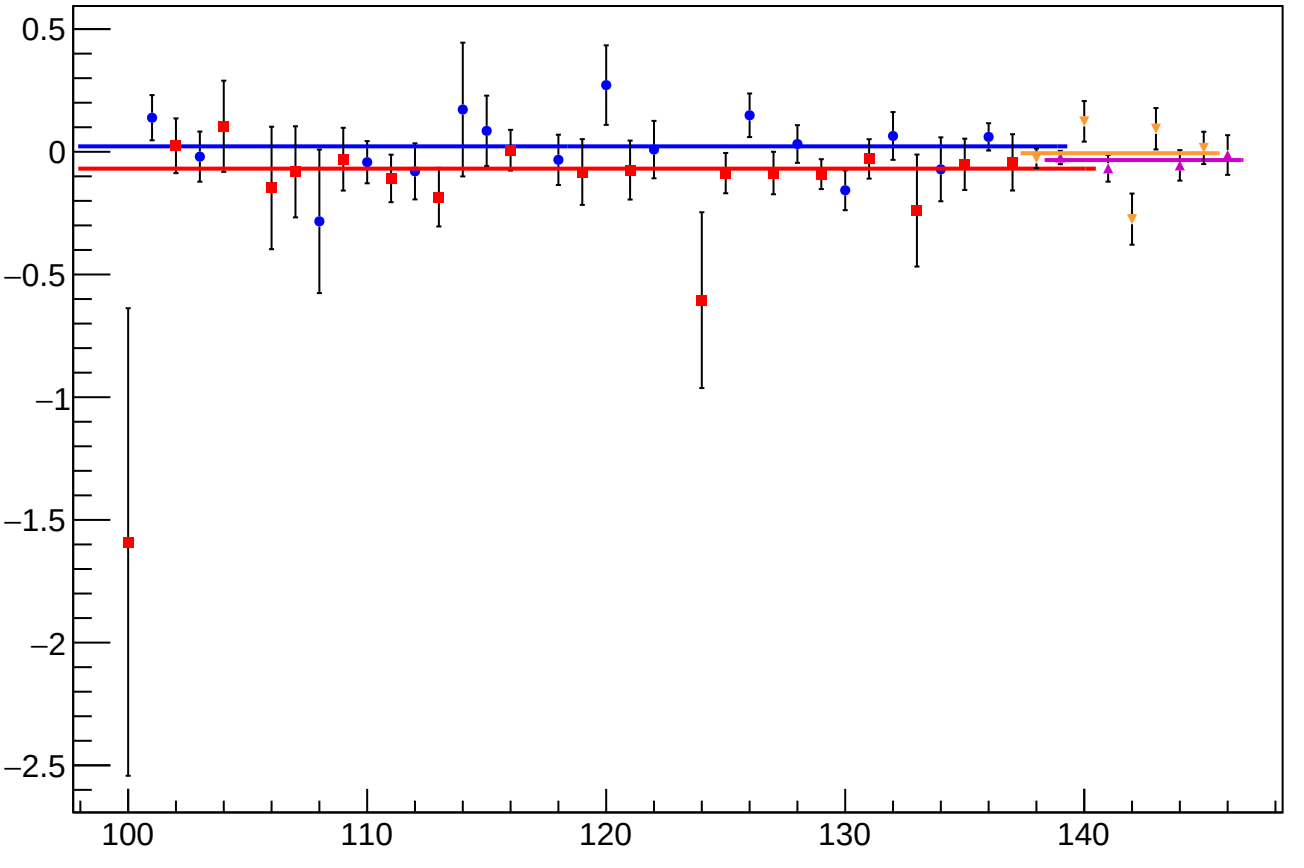
Left: 37.505+/-0.012 χ^2/NDF: 2299231.8/8

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 44.766+/-0.012 χ^2/NDF:3147043.8/19

Out: 53.604+/-0.013 χ^2/NDF:3245352.7/23

All: 48.548+/-0.009 χ^2/NDF: 6643022.4/43



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.006+/-0.028 χ^2/NDF:10.9/4

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.034+/-0.022 χ^2/NDF:0.7/3

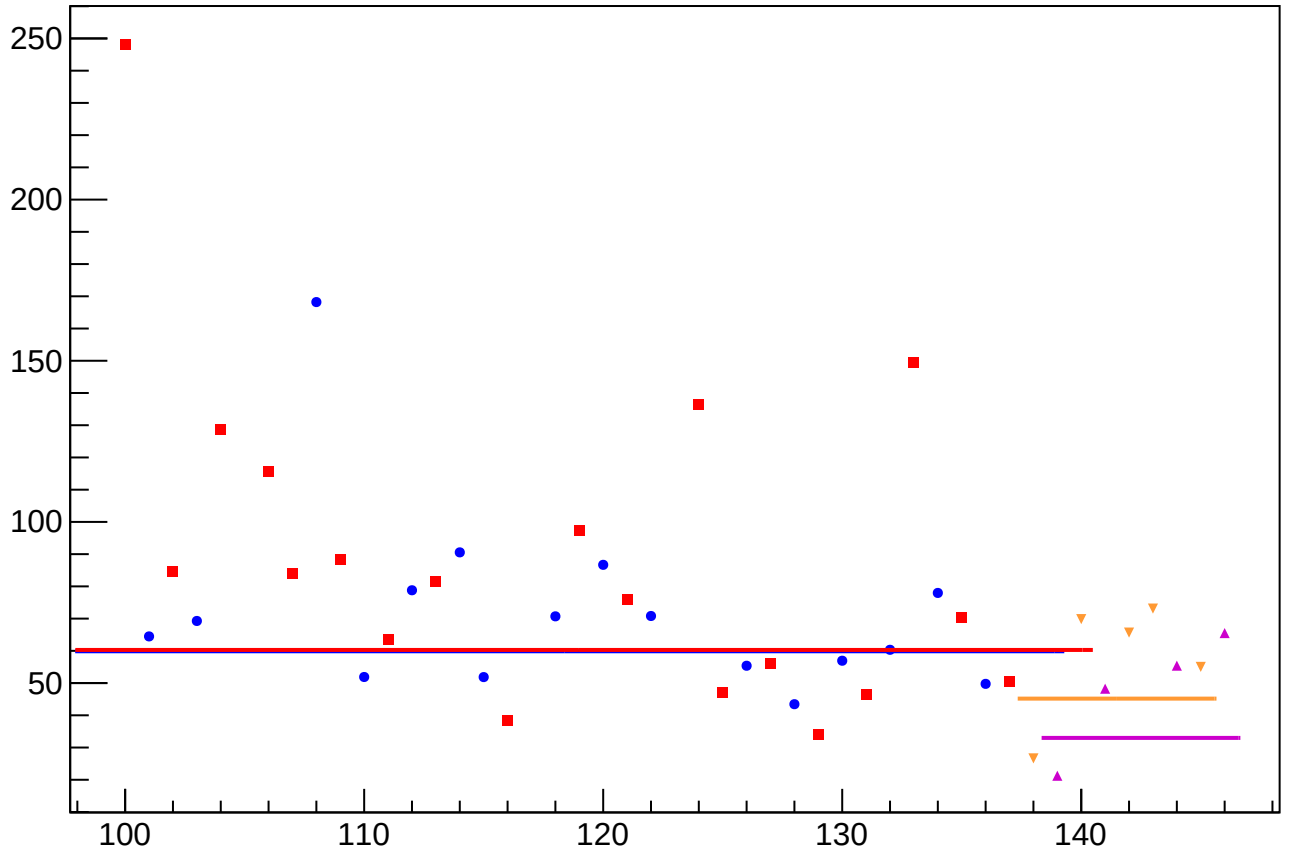
Left: -0.023+/-0.017 χ^2/NDF: 12.2/8

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.016 χ^2/NDF:19.1/19

Out: -0.041+/-0.019 χ^2/NDF:23.2/23

All: -0.023+/-0.012 χ^2/NDF: 43.9/43



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 45.177+/-0.020 χ^2/NDF:952695.5/4

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 32.989+/-0.015 χ^2/NDF:1114716.9/3

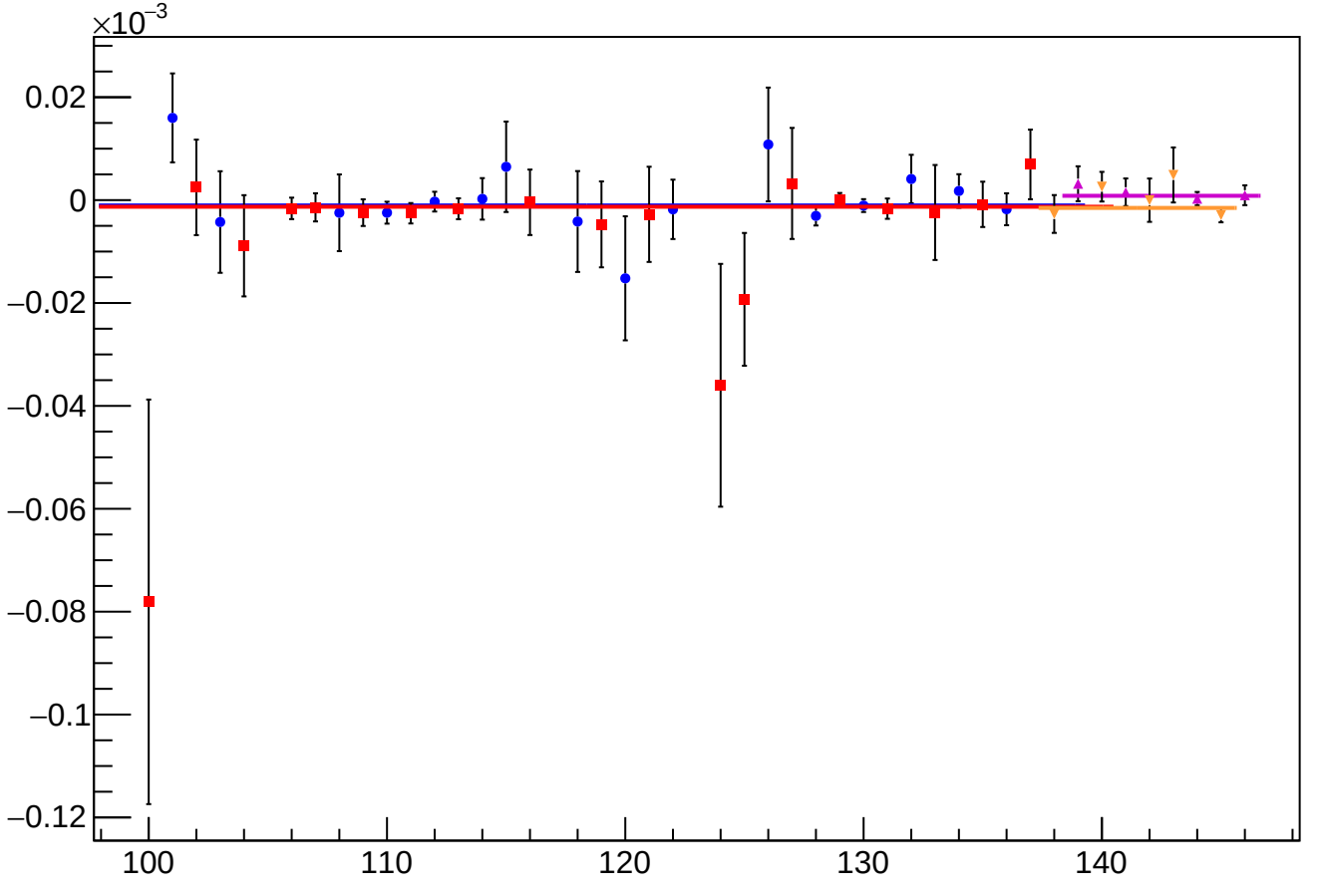
Left: 37.505+/-0.012 χ^2/NDF: 2299231.8/8

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 44.766+/-0.012 χ^2/NDF:3147043.8/19

Out: 53.604+/-0.013 χ^2/NDF:3245352.7/23

All: 48.548+/-0.009 χ^2/NDF: 6643022.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/4

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

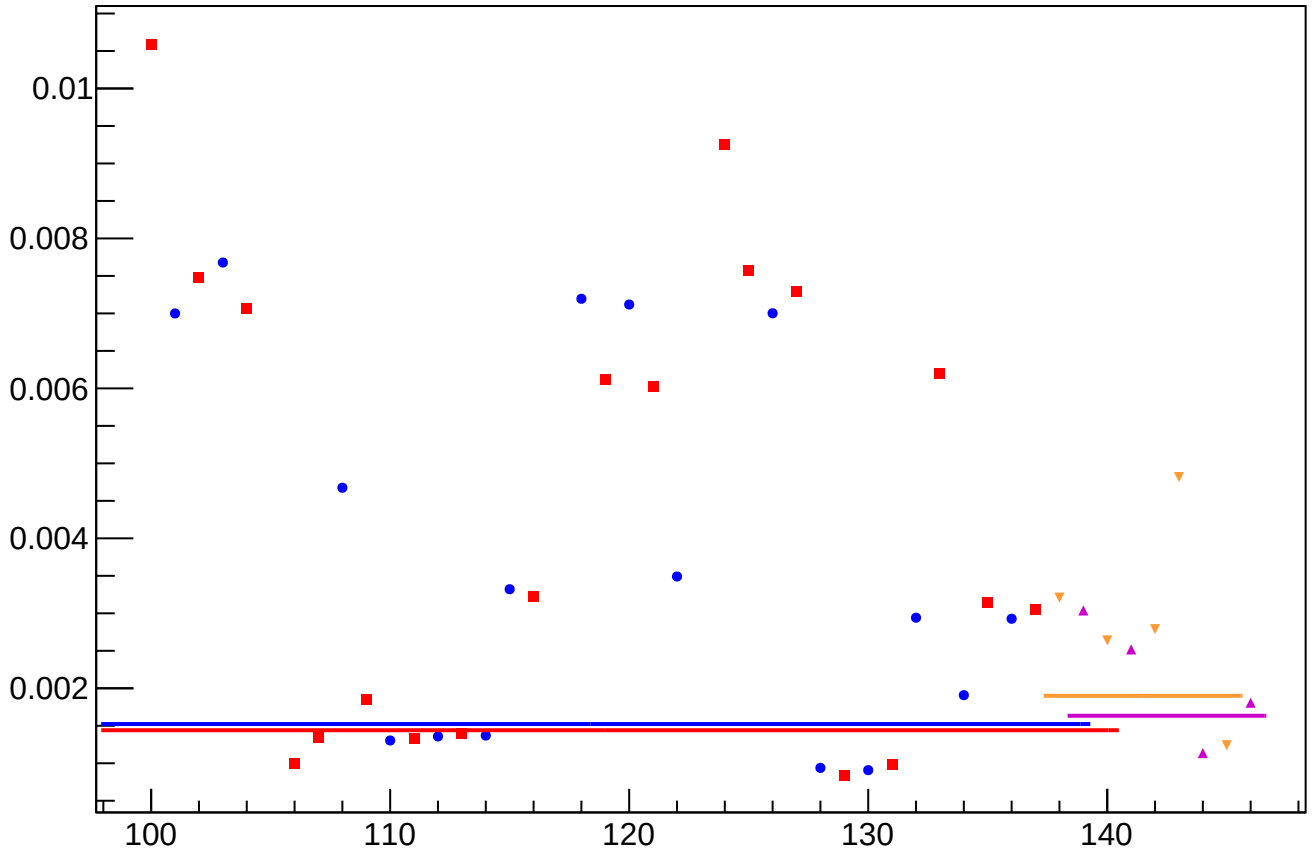
Left: -0.000+/-0.000 χ^2/NDF: 8.0/8

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:14.4/19

Out: -0.000+/-0.000 χ^2/NDF:17.2/23

All: -0.000+/-0.000 χ^2/NDF: 33.1/43



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1514934.4/4

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:867580.9/3

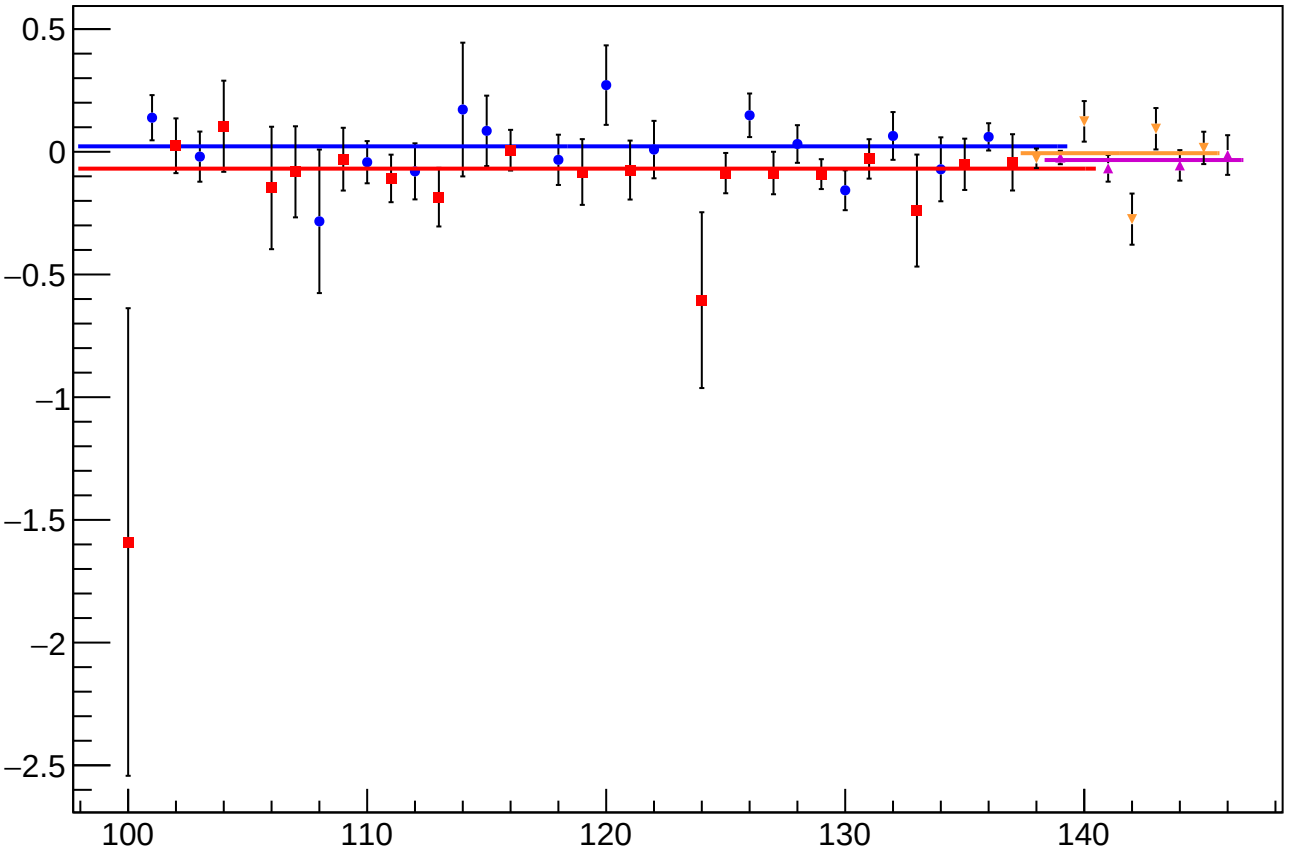
Left: 0.002+/-0.000 χ^2/NDF: 2447596.4/8

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:6067085.4/19

Out: 0.002+/-0.000 χ^2/NDF:7546371.4/23

All: 0.002+/-0.000 χ^2/NDF: 13613541.8/43



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.006+/-0.028 χ^2/NDF:10.9/4

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.034+/-0.022 χ^2/NDF:0.7/3

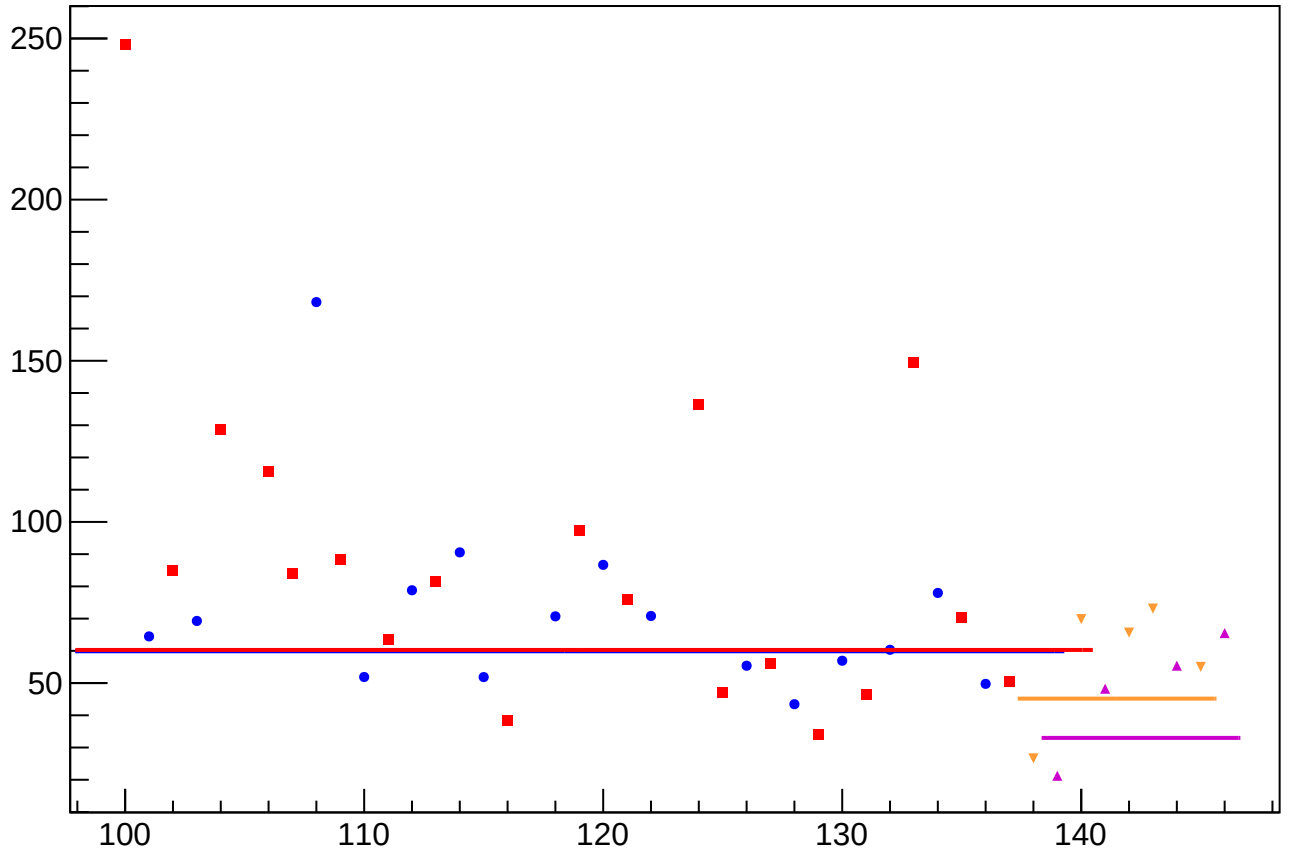
Left: -0.023+/-0.017 χ^2/NDF: 12.2/8

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.016 χ^2/NDF:19.1/19

Out: -0.041+/-0.019 χ^2/NDF:23.2/23

All: -0.023+/-0.012 χ^2/NDF: 43.9/43



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 45.176+/-0.020 χ^2/NDF:952886.8/4

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 32.988+/-0.015 χ^2/NDF:1114857.7/3

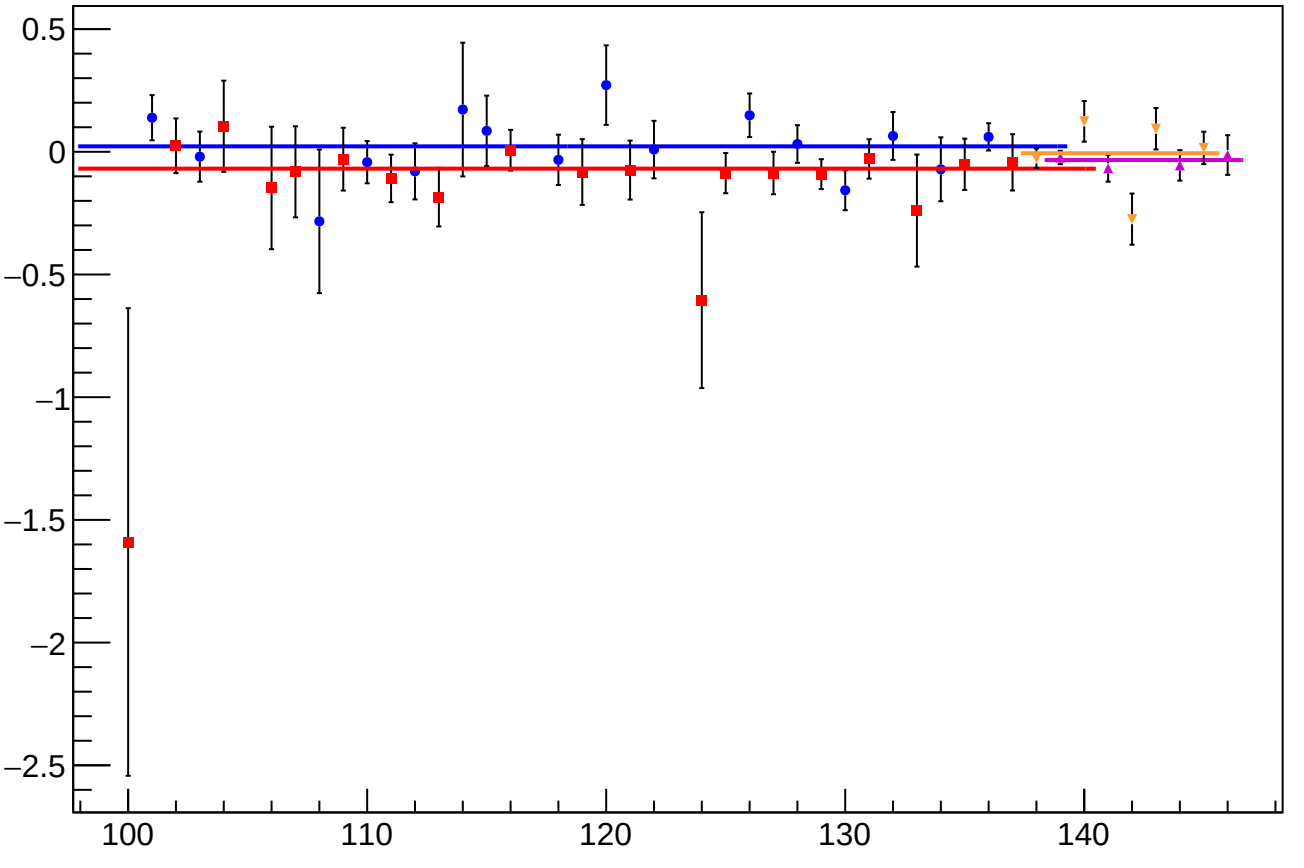
Left: 37.503+/-0.012 χ^2/NDF: 2299558.0/8

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 44.765+/-0.012 χ^2/NDF:3147461.2/19

Out: 53.603+/-0.013 χ^2/NDF:3245718.4/23

All: 48.548+/-0.009 χ^2/NDF: 6643821.6/43



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: -0.006+/-0.028 χ^2/NDF:10.9/4

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.034+/-0.022 χ^2/NDF:0.7/3

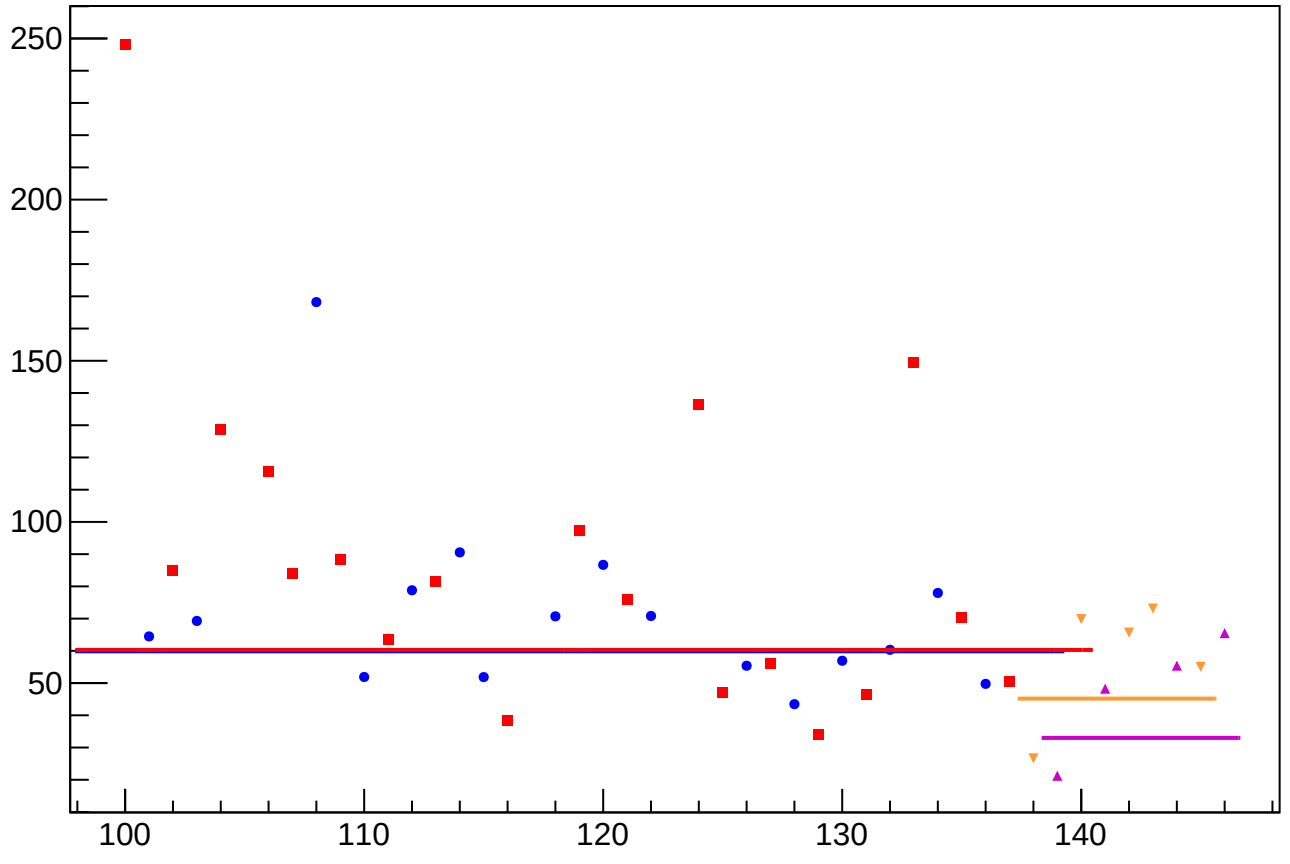
Left: -0.023+/-0.017 χ^2/NDF: 12.2/8

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.016 χ^2/NDF:19.1/19

Out: -0.041+/-0.019 χ^2/NDF:23.2/23

All: -0.023+/-0.012 χ^2/NDF: 43.9/43



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 45.176+/-0.020 χ^2/NDF:952886.8/4

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 32.988+/-0.015 χ^2/NDF:1114857.7/3

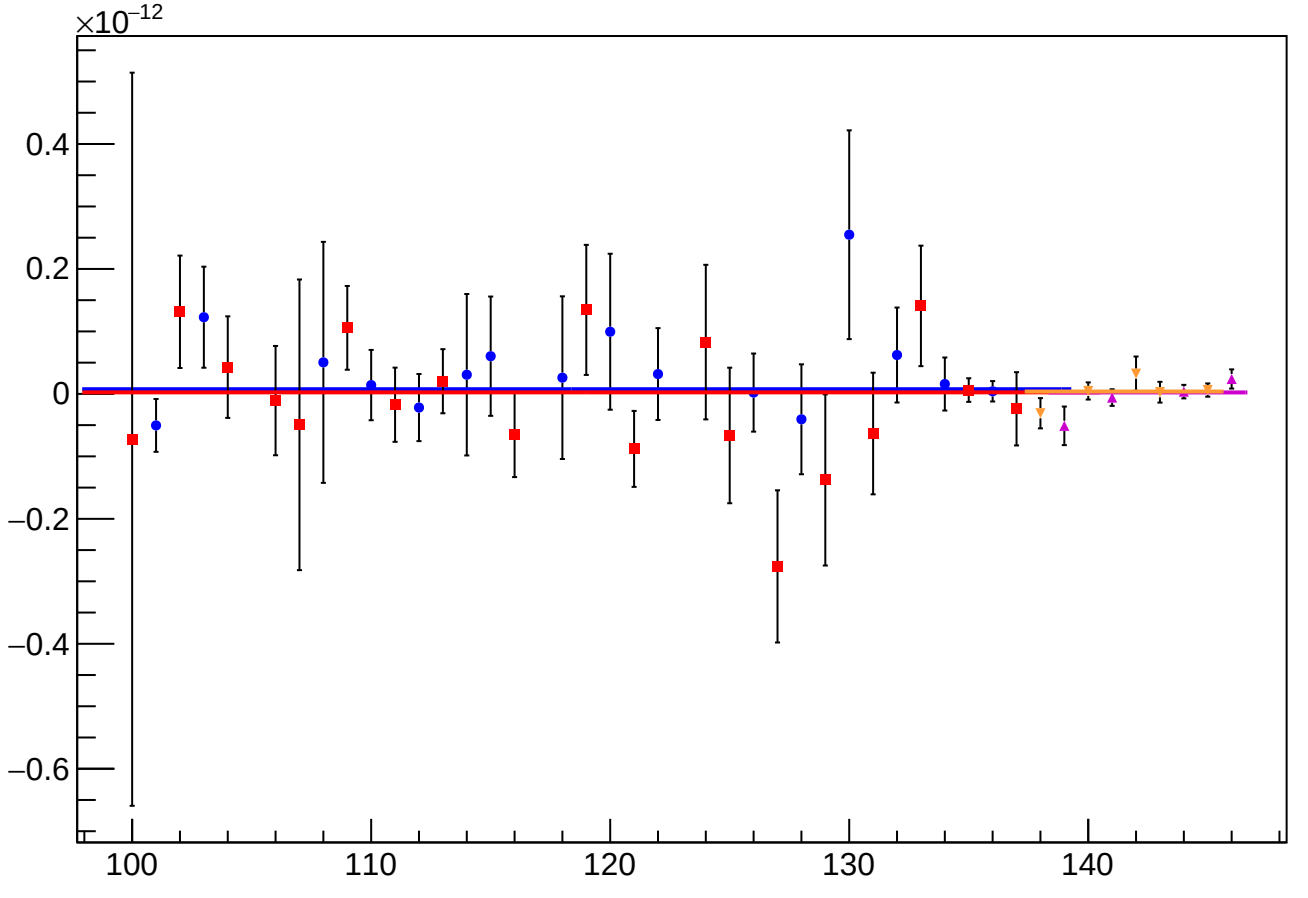
Left: 37.503+/-0.012 χ^2/NDF: 2299558.0/8

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 44.765+/-0.012 χ^2/NDF:3147461.2/19

Out: 53.603+/-0.013 χ^2/NDF:3245718.4/23

All: 48.548+/-0.009 χ^2/NDF: 6643821.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/3

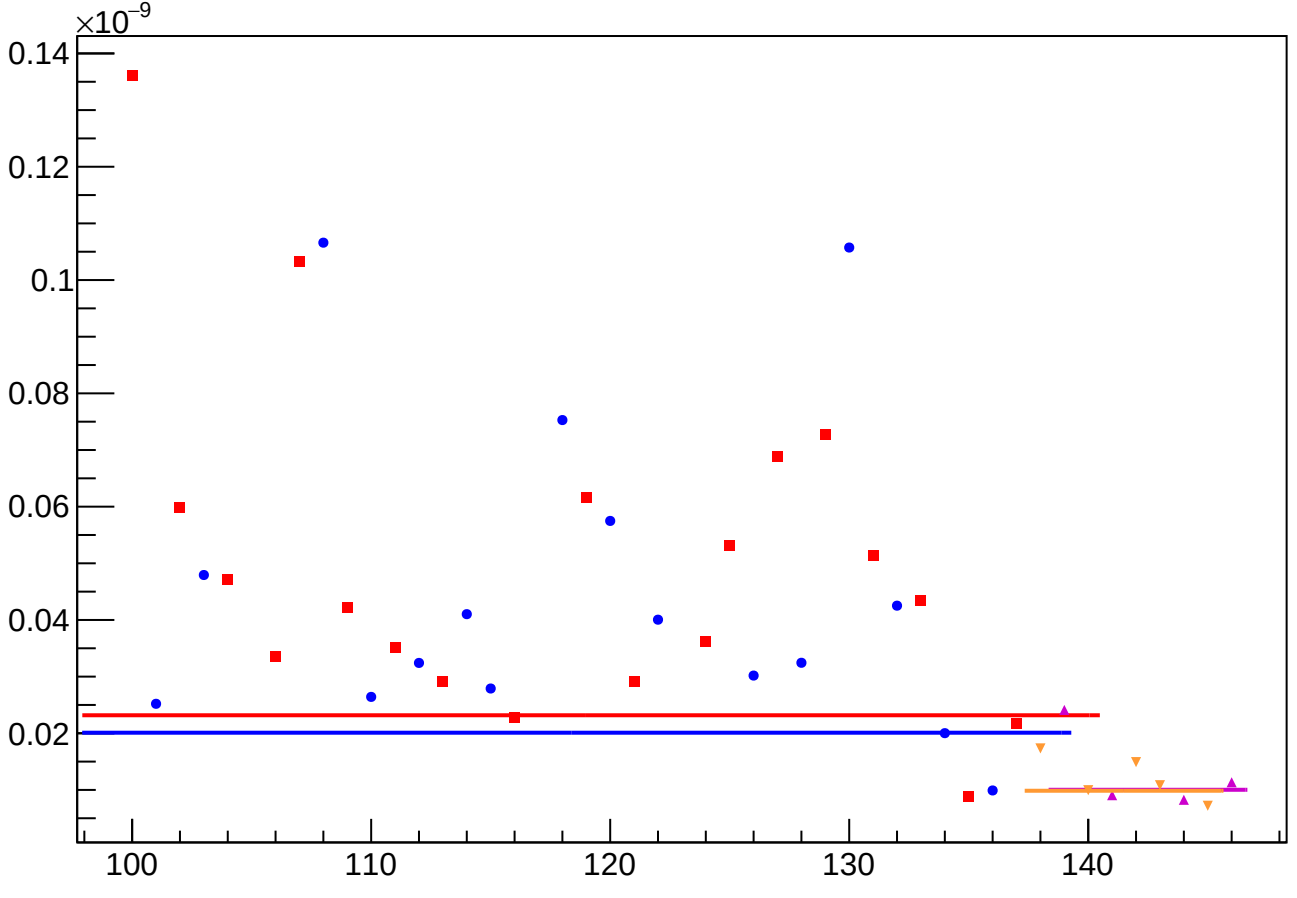
Left: 0.000+/-0.000 χ^2/NDF: 8.6/8

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:13.9/19

Out: 0.000+/-0.000 χ^2/NDF:22.9/23

All: 0.000+/-0.000 χ^2/NDF: 36.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:390004.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:495311.2/3

Left: 0.000+/-0.000 χ^2/NDF: 885898.1/8

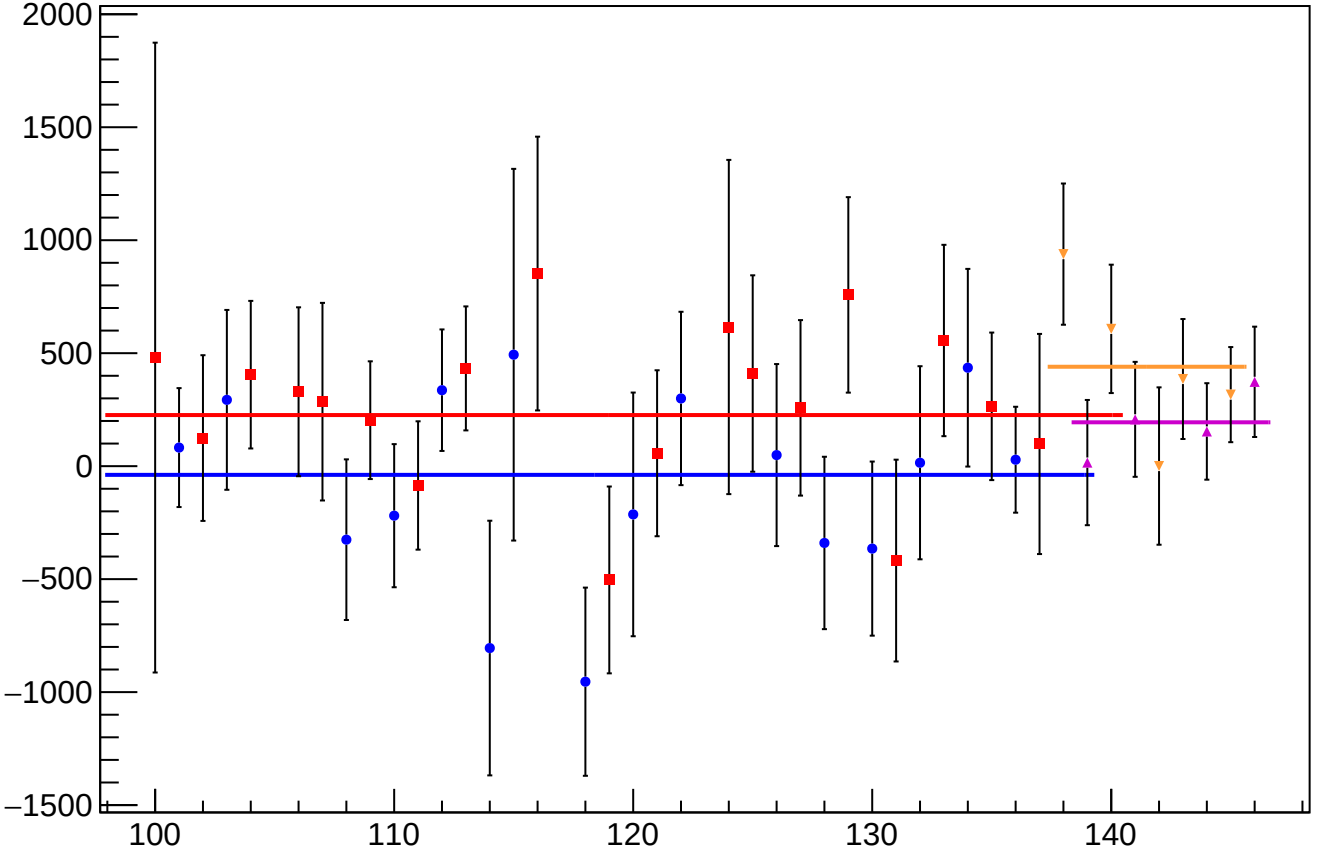
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4637295.0/19

Out: 0.000+/-0.000 χ^2/NDF:5458410.7/23

All: 0.000+/-0.000 χ^2/NDF: 10095705.9/43

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 439.986+/-121.592 χ^2/NDF:4.9/4

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 194.100+/-121.998 χ^2/NDF:1.0/3

Left: 317.452+/-86.121 χ^2/NDF: 7.9/8

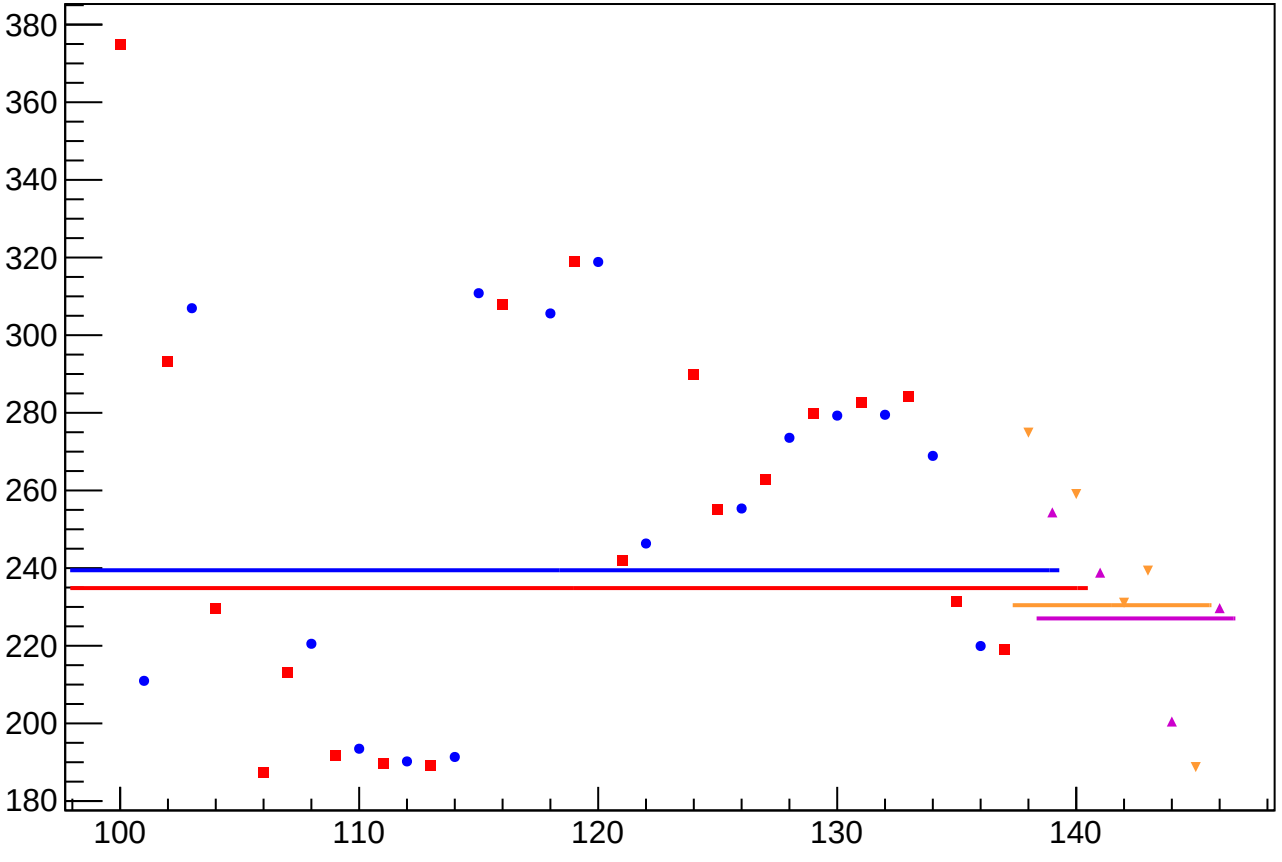
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 44.205+/-72.746 χ^2/NDF:17.8/19

Out: 299.565+/-71.240 χ^2/NDF:18.3/23

All: 174.556+/-50.898 χ^2/NDF: 42.4/43

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 230.449+/-0.086 χ^2/NDF:141512.4/4

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

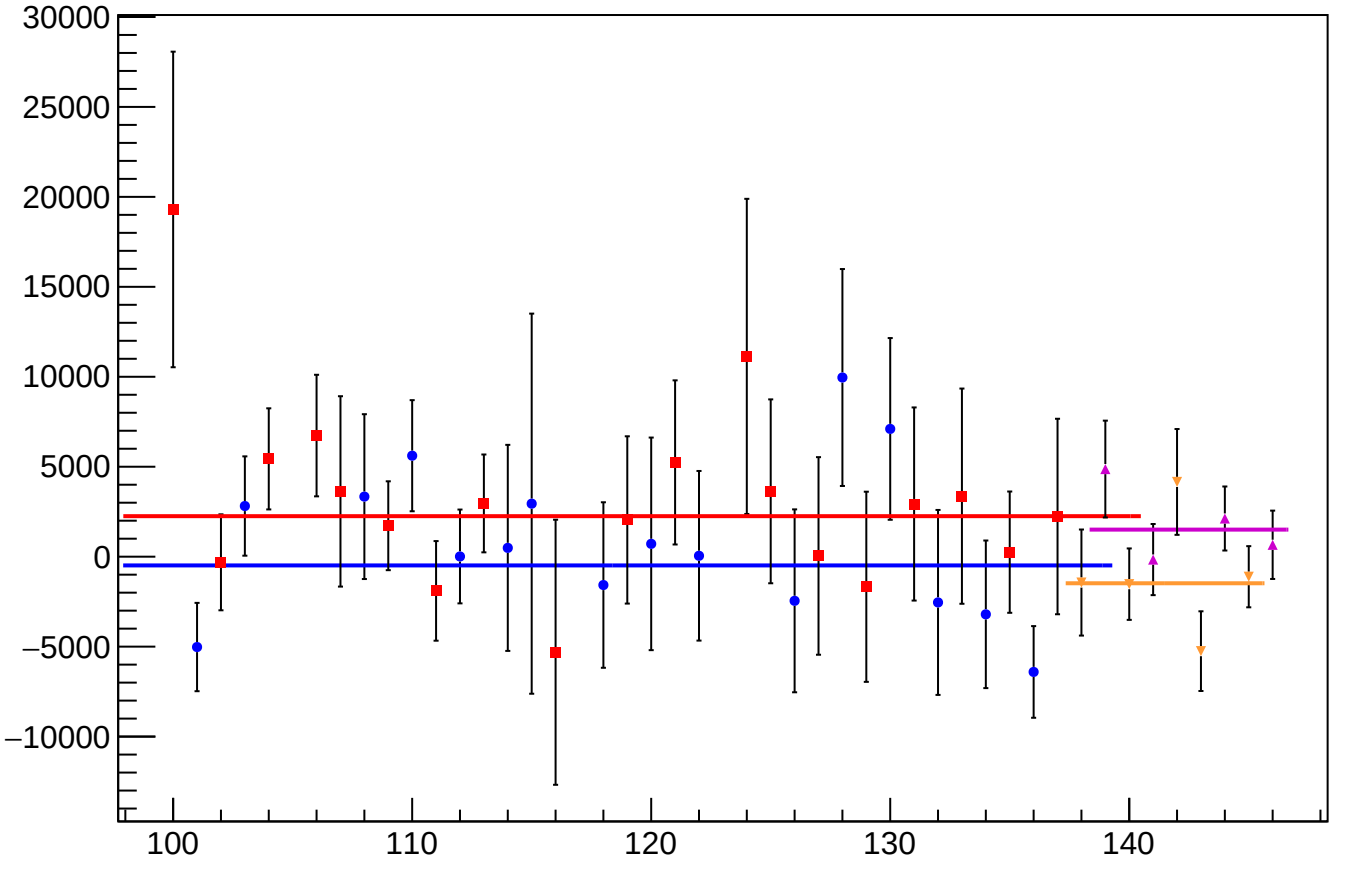
Left: 228.750+/-0.061 χ^2/NDF: 197195.0/8

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 235.037+/-0.051 χ^2/NDF:469190.4/19

Out: 233.342+/-0.050 χ^2/NDF:624952.2/23

All: 234.172+/-0.036 χ^2/NDF: 1094696.6/43



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -1477.783+/-983.247 χ^2/NDF:6.6/4

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 1504.323+/-1006.574 χ^2/NDF:2.6/3

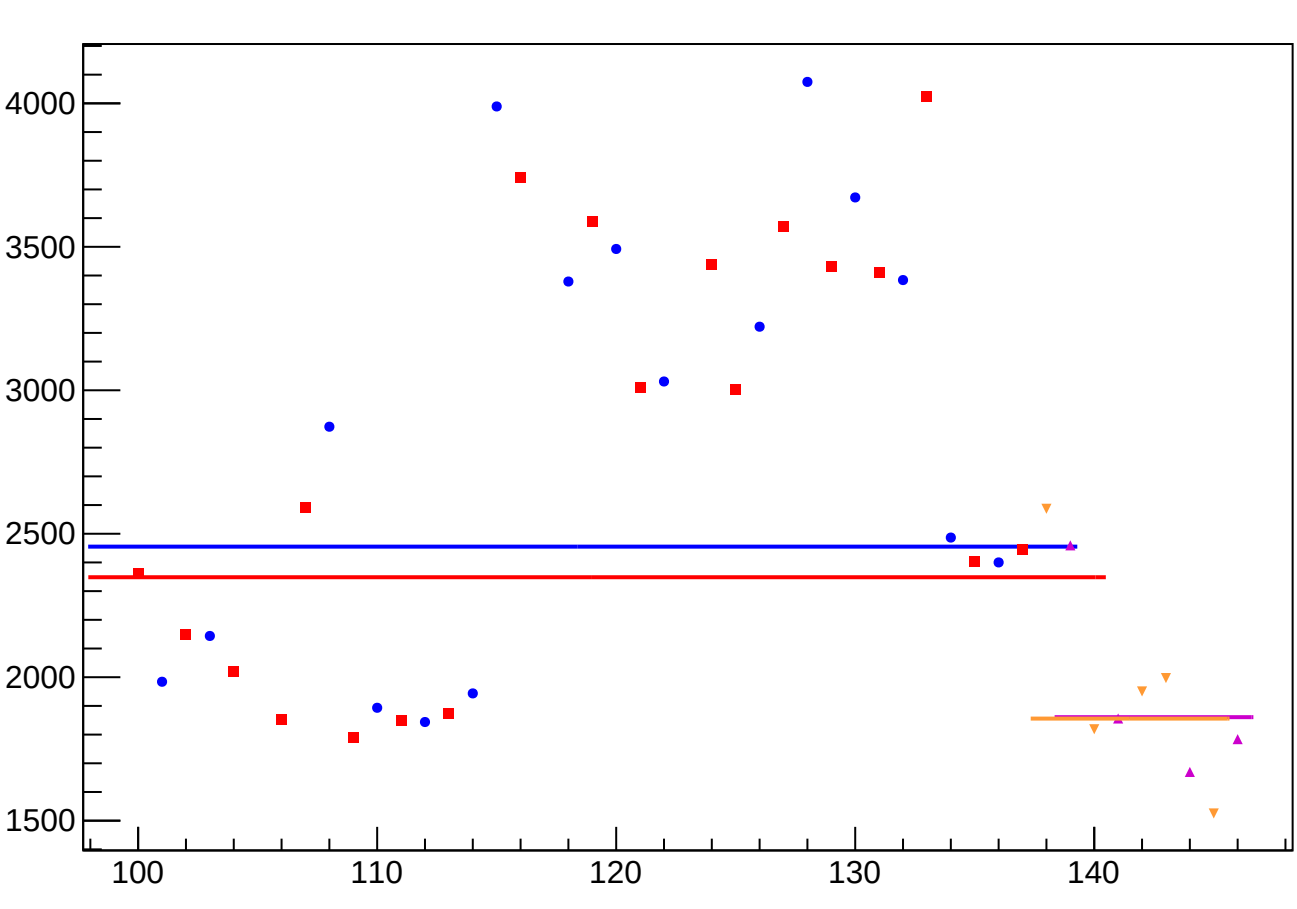
Left: -21.685+/-703.363 χ^2/NDF: 13.7/8

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 449.040+/-689.907 χ^2/NDF:25.8/19

Out: 563.617+/-661.529 χ^2/NDF:28.4/23

All: 508.733+/-477.489 χ^2/NDF: 54.2/43



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1855.808+/-0.695 χ^2/NDF:209649.5/4

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1860.779+/-0.712 χ^2/NDF:125296.1/3

Left: 1858.235+/-0.497 χ^2/NDF: 334970.6/8

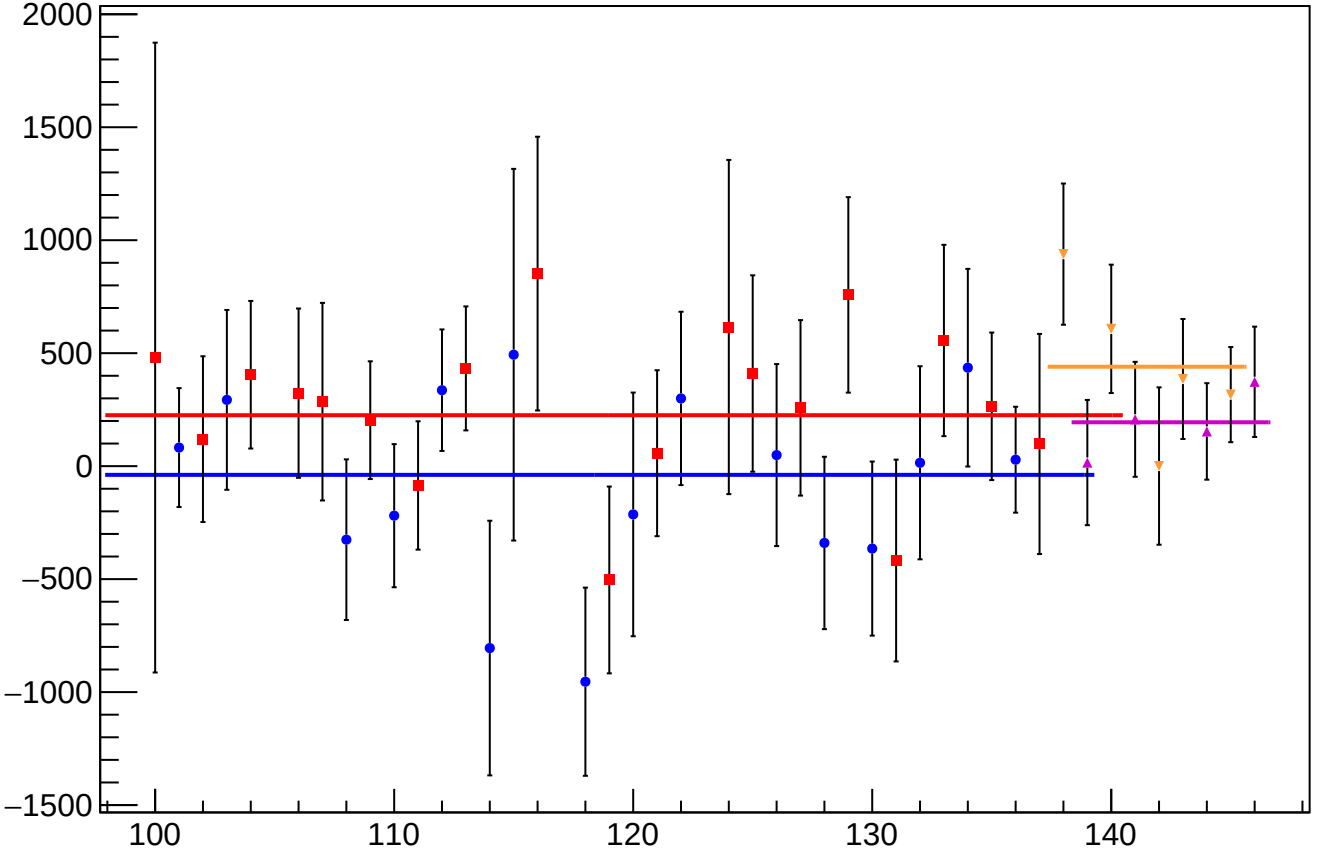
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2175.904+/-0.488 χ^2/NDF:1389382.9/19

Out: 2125.448+/-0.468 χ^2/NDF:1536872.1/23

All: 2149.617+/-0.338 χ^2/NDF: 2931828.2/43

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 440.022+/-121.592 χ^2/NDF:4.9/4

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 194.124+/-121.998 χ^2/NDF:1.0/3

Left: 317.483+/-86.121 χ^2/NDF: 7.9/8

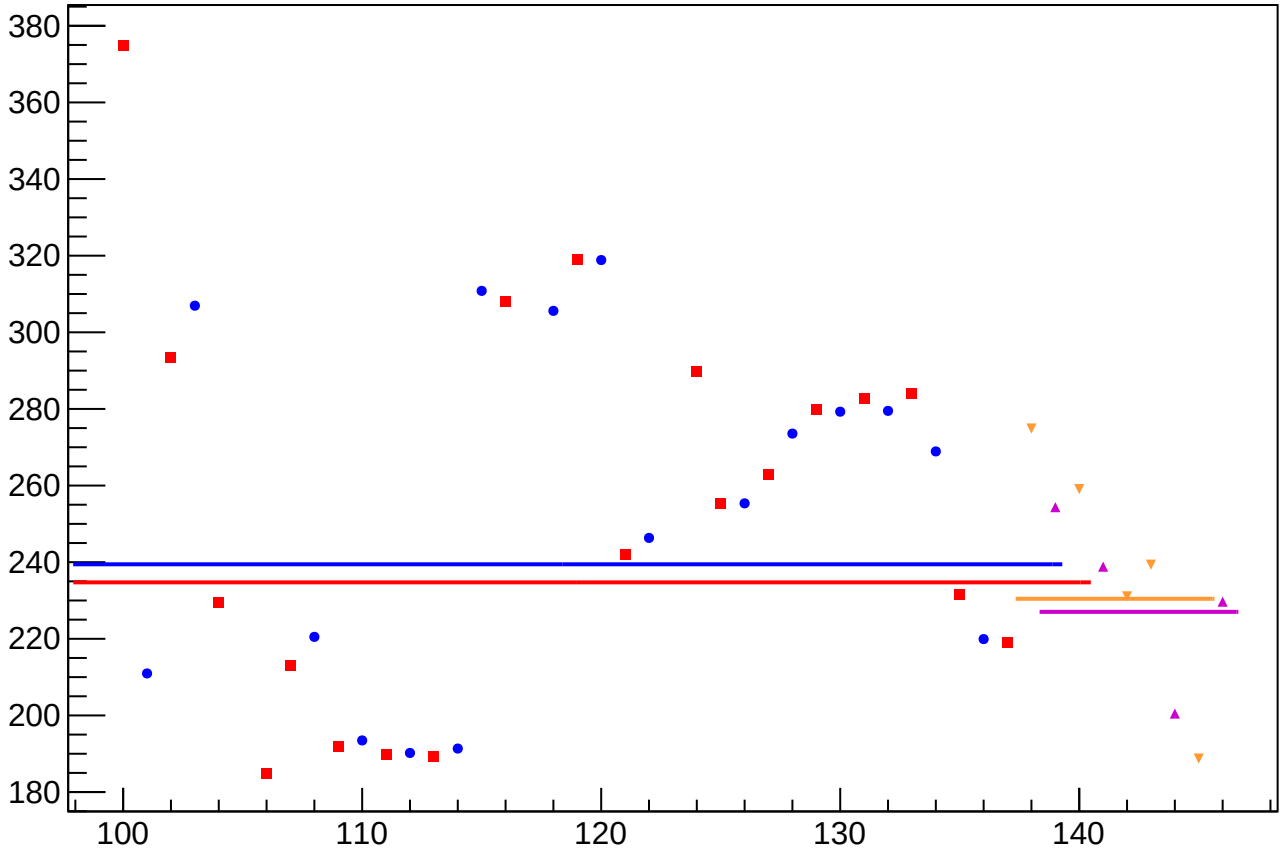
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 44.200+/-72.746 χ^2/NDF:17.8/19

Out: 299.163+/-71.247 χ^2/NDF:18.3/23

All: 174.335+/-50.901 χ^2/NDF: 42.4/43

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 230.449+/-0.086 χ^2/NDF:141512.4/4

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

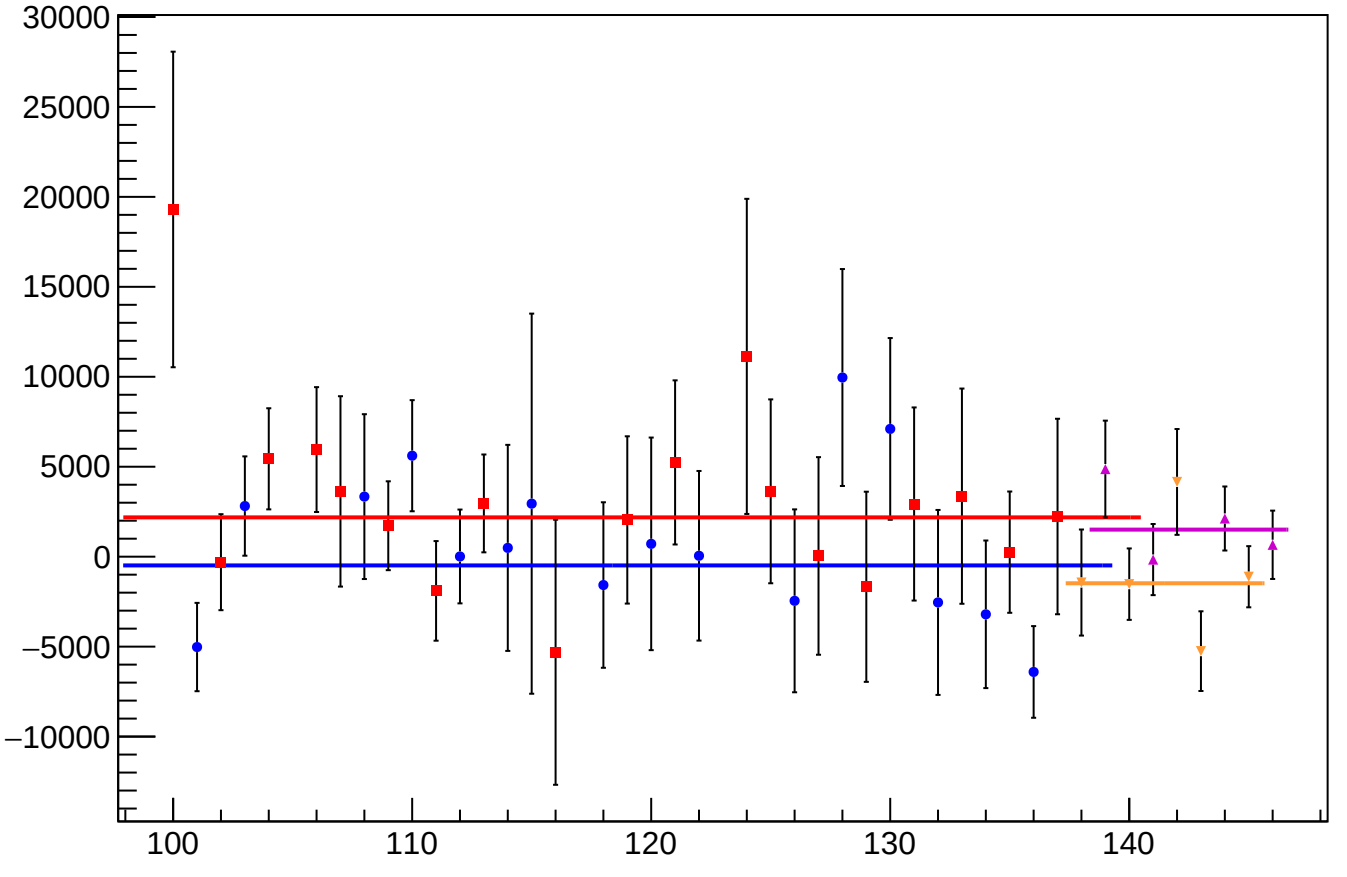
Left: 228.750+/-0.061 χ^2/NDF: 197195.0/8

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 235.037+/-0.051 χ^2/NDF:469192.9/19

Out: 233.262+/-0.050 χ^2/NDF:628381.1/23

All: 234.131+/-0.036 χ^2/NDF: 1098181.6/43



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1477.748+/-983.246 χ^2/NDF:6.6/4

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1504.348+/-1006.575 χ^2/NDF:2.6/3

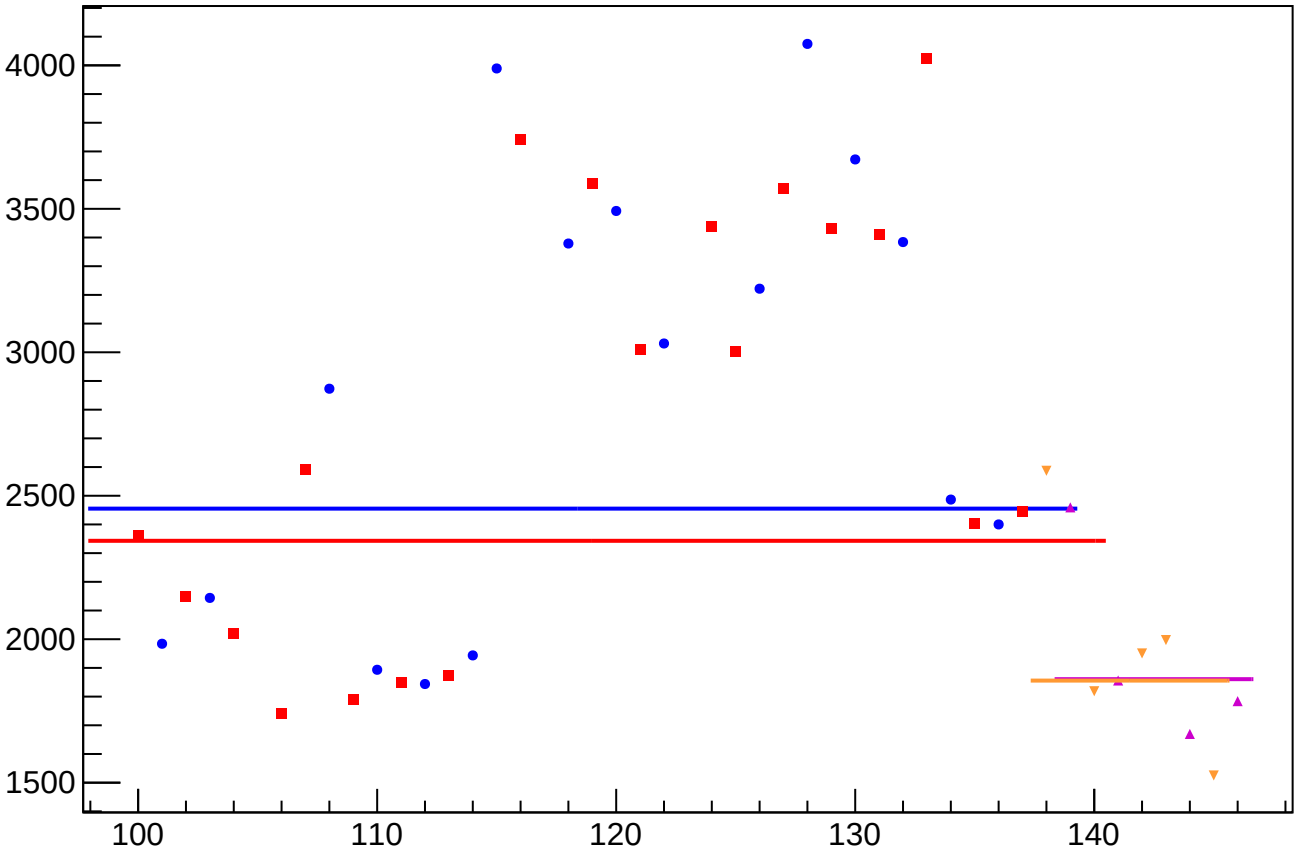
Left: -21.658+/-703.363 χ^2/NDF: 13.7/8

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 448.969+/-689.910 χ^2/NDF:25.8/19

Out: 523.495+/-662.213 χ^2/NDF:27.4/23

All: 487.758+/-477.747 χ^2/NDF: 53.3/43



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1855.806+/-0.695 χ^2/NDF:209650.5/4

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1860.780+/-0.712 χ^2/NDF:125294.9/3

Left: 1858.235+/-0.497 χ^2/NDF: 334970.4/8

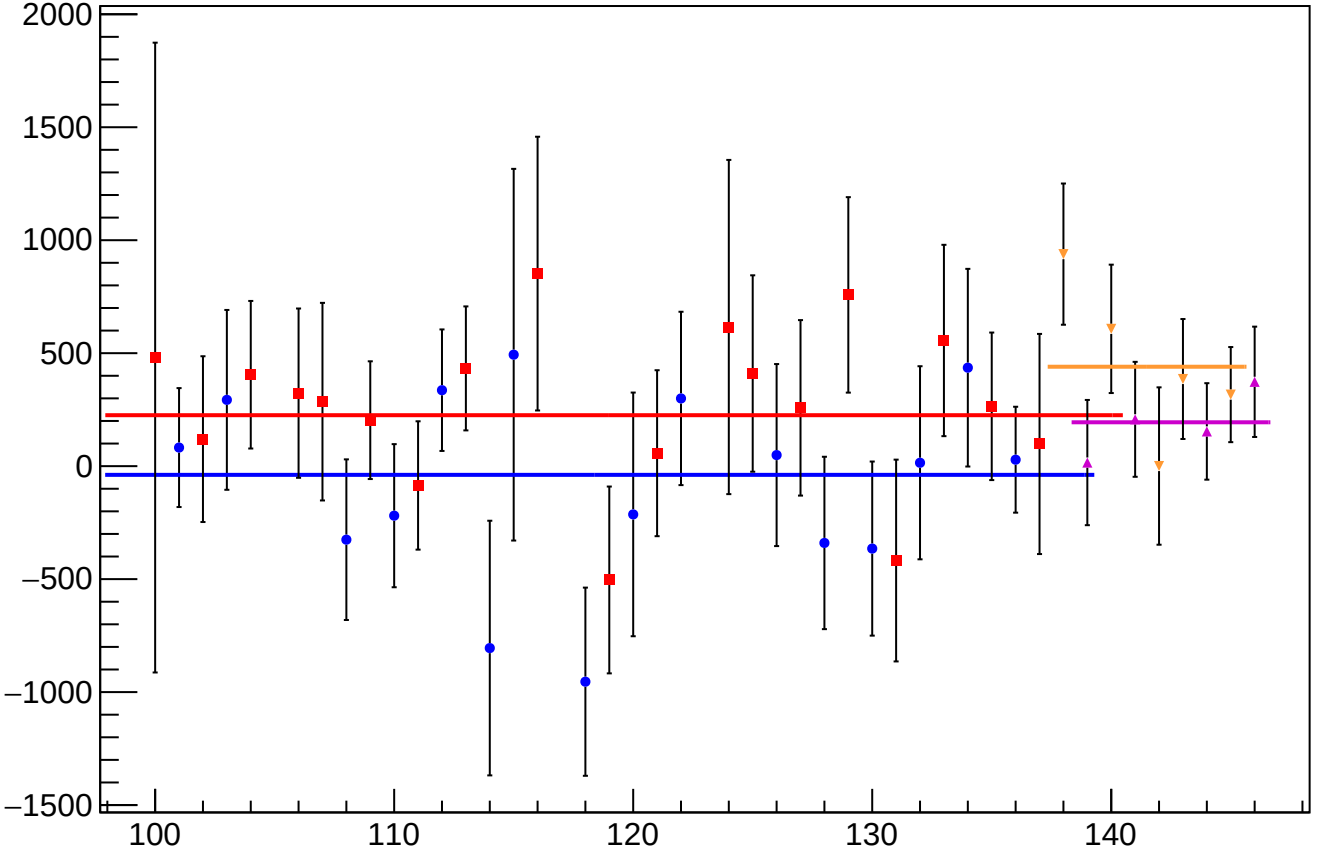
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2175.915+/-0.488 χ^2/NDF:1389375.7/19

Out: 2121.985+/-0.468 χ^2/NDF:1548290.1/23

All: 2147.846+/-0.338 χ^2/NDF: 2944026.6/43

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 440.022+/-121.592 χ^2/NDF:4.9/4

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 194.124+/-121.998 χ^2/NDF:1.0/3

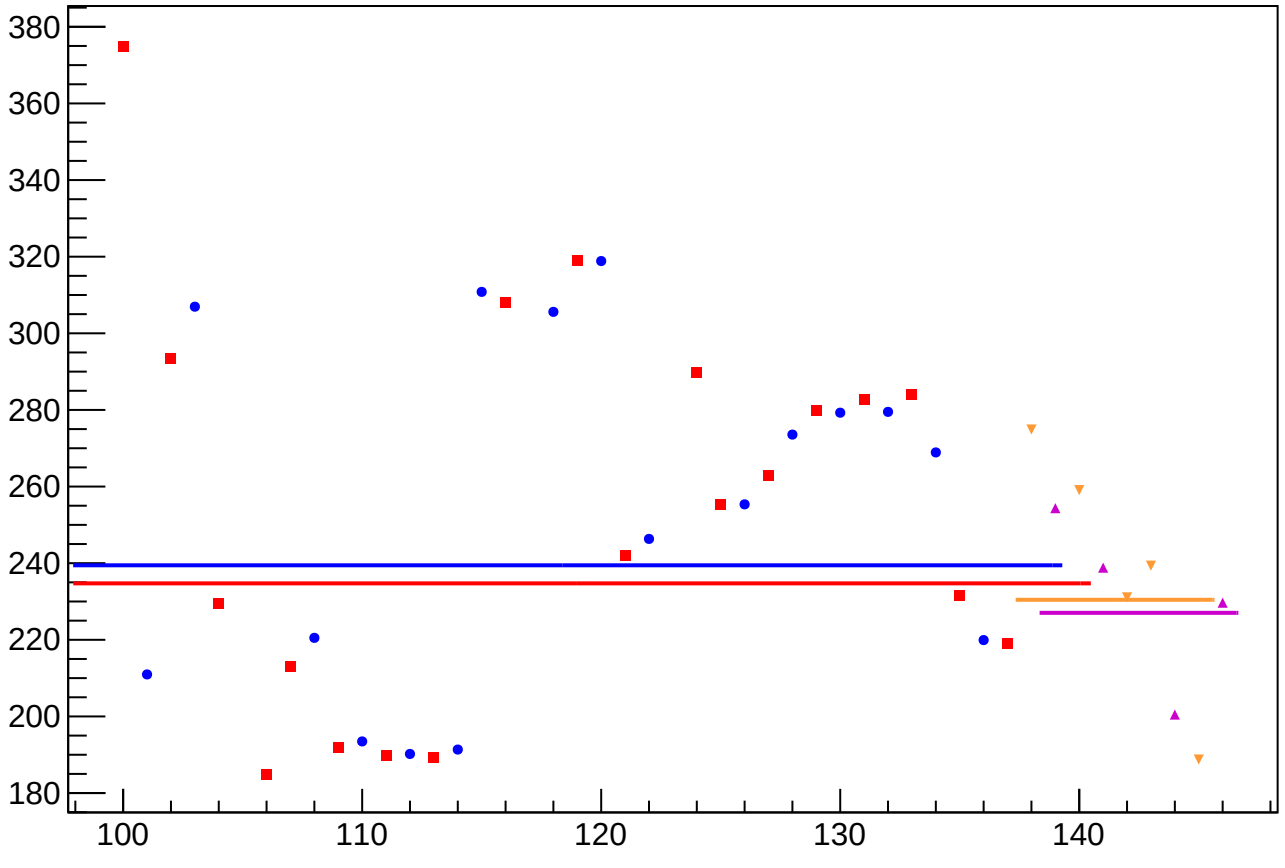
Left: 317.483+/-86.121 χ^2/NDF: 7.9/8

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 44.200+/-72.746 χ^2/NDF:17.8/19

Out: 299.163+/-71.247 χ^2/NDF:18.3/23

All: 174.335+/-50.901 χ^2/NDF: 42.4/43



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 230.449+/-0.086 χ^2/NDF:141512.4/4

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

Left: 228.750+/-0.061 χ^2/NDF: 197195.0/8

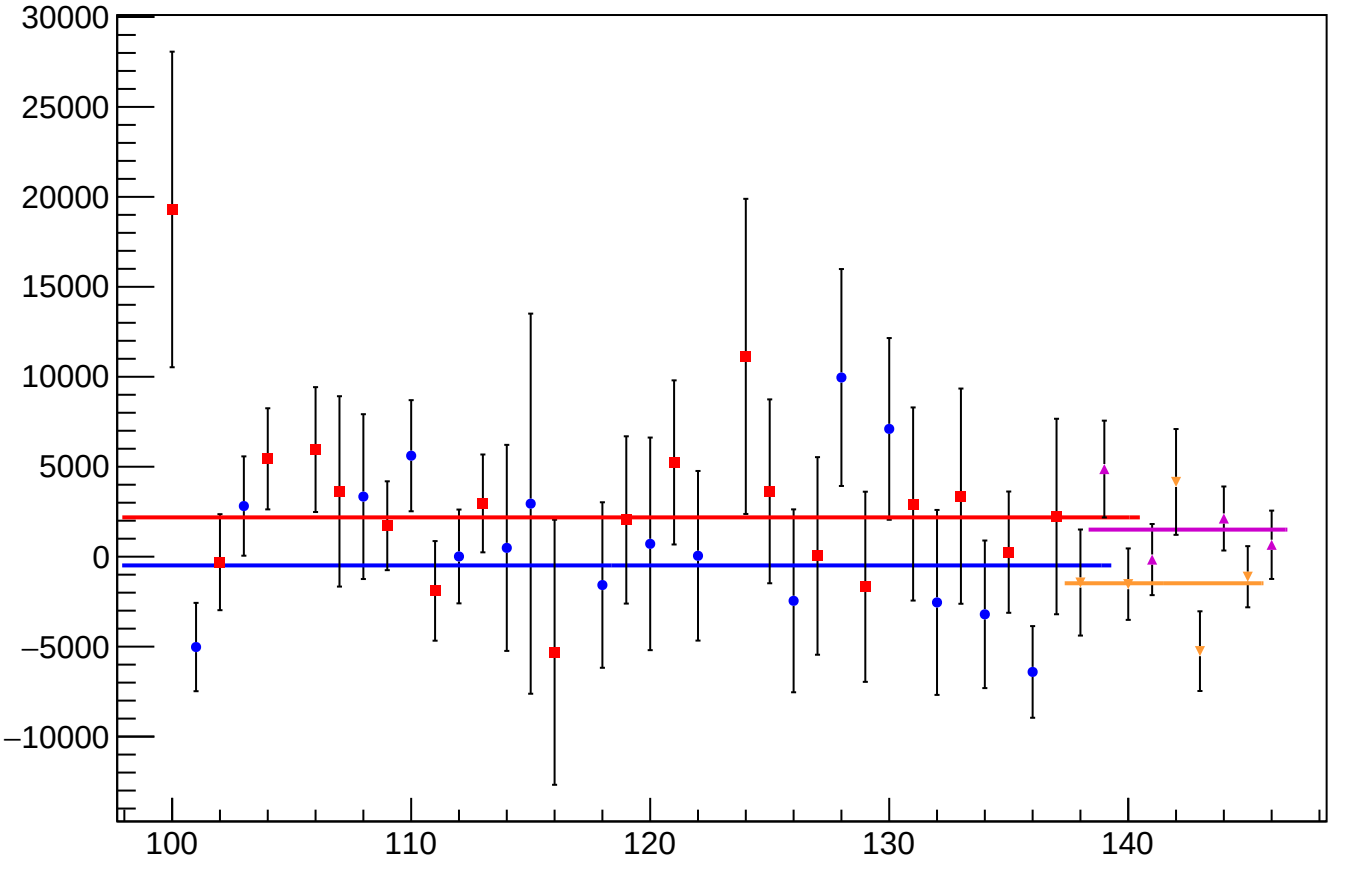
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 235.037+/-0.051 χ^2/NDF:469192.9/19

Out: 233.262+/-0.050 χ^2/NDF:628381.1/23

All: 234.131+/-0.036 χ^2/NDF: 1098181.6/43

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -1477.748+/-983.246 χ^2/NDF:6.6/4

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1504.348+/-1006.575 χ^2/NDF:2.6/3

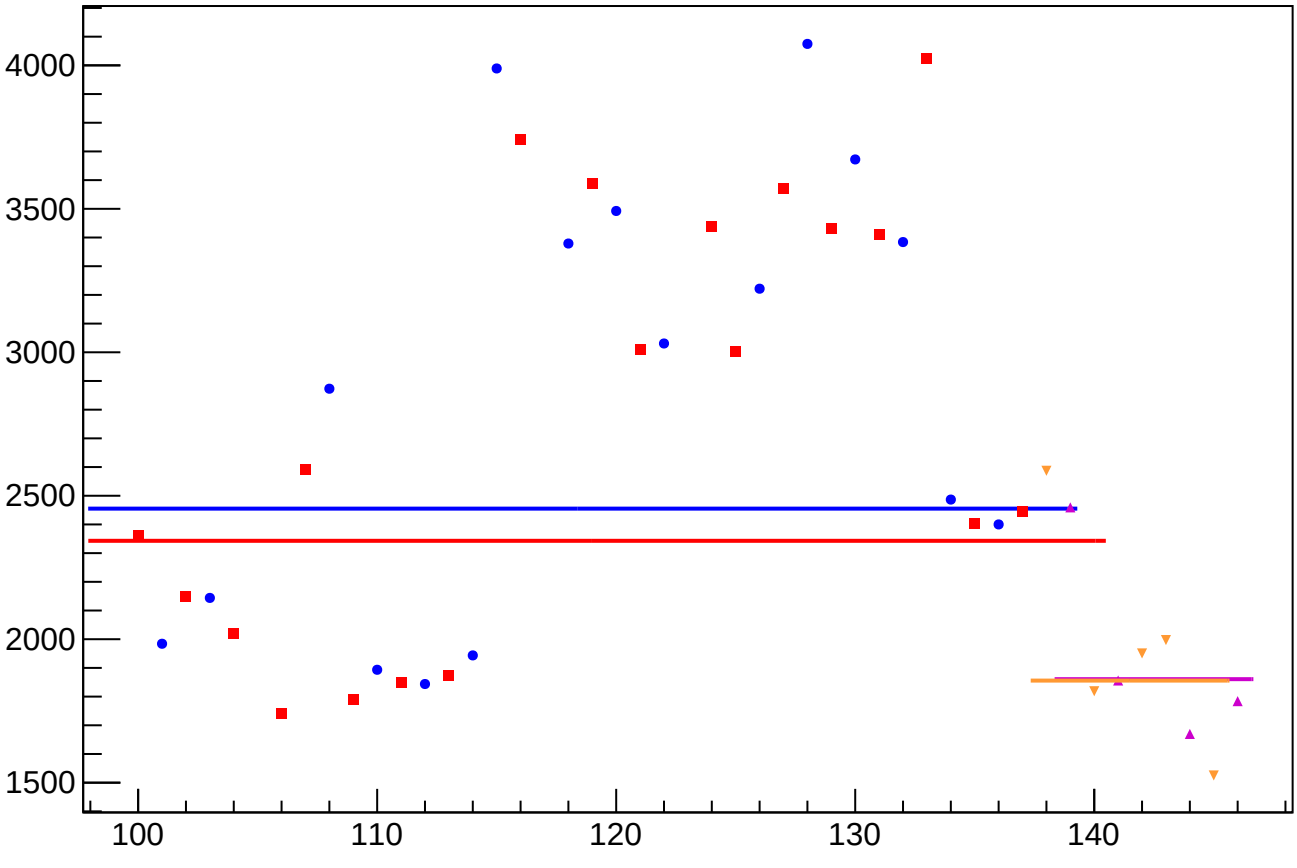
Left: -21.658+/-703.363 χ^2/NDF: 13.7/8

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 448.969+/-689.910 χ^2/NDF:25.8/19

Out: 523.495+/-662.213 χ^2/NDF:27.4/23

All: 487.758+/-477.747 χ^2/NDF: 53.3/43



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1855.806+/-0.695 χ^2/NDF:209650.5/4

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1860.780+/-0.712 χ^2/NDF:125294.9/3

Left: 1858.235+/-0.497 χ^2/NDF: 334970.4/8

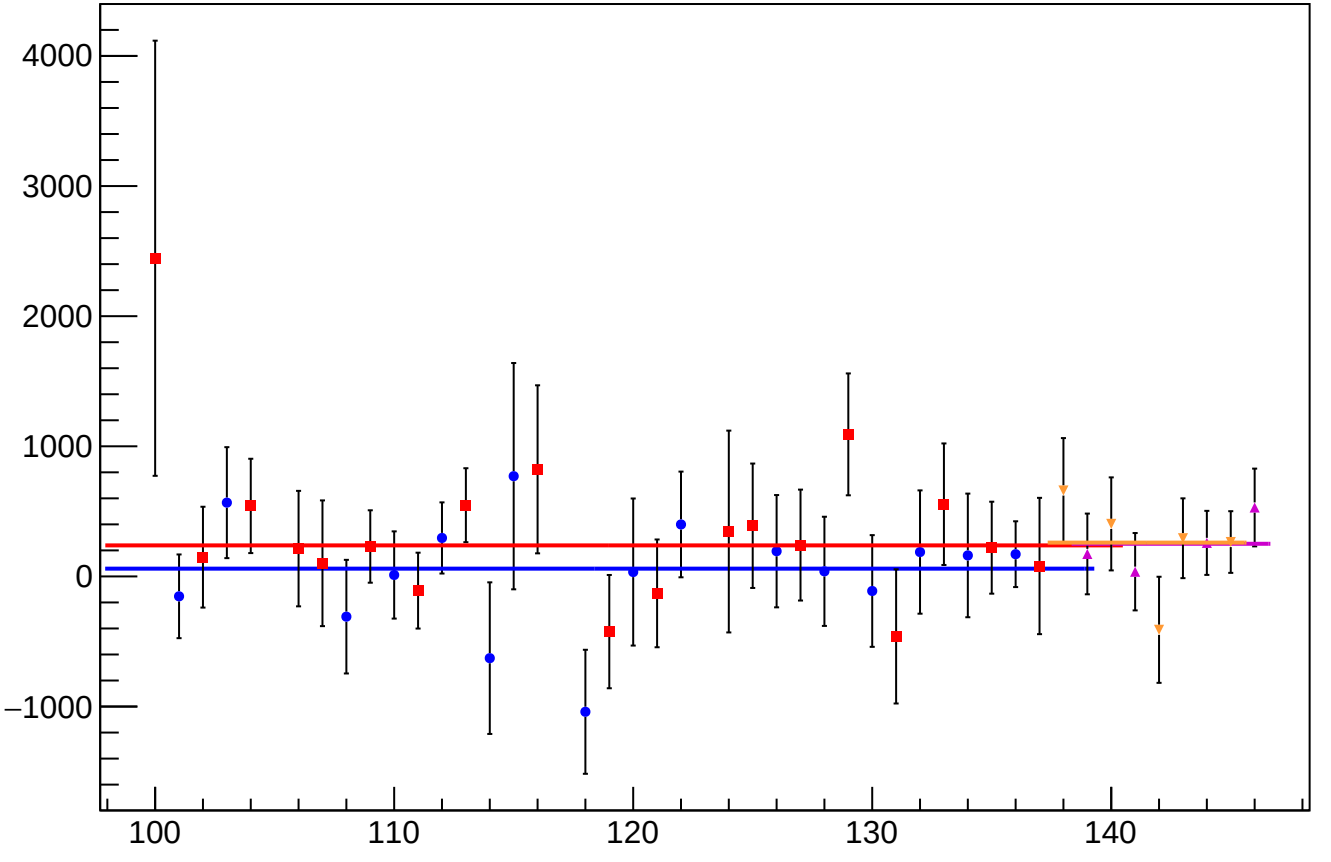
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2175.915+/-0.488 χ^2/NDF:1389375.7/19

Out: 2121.985+/-0.468 χ^2/NDF:1548290.1/23

All: 2147.846+/-0.338 χ^2/NDF: 2944026.6/43

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 259.861+/-143.664 χ^2/NDF:3.9/4

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 250.823+/-142.241 χ^2/NDF:1.5/3

Left: 255.297+/-101.079 χ^2/NDF: 5.3/8

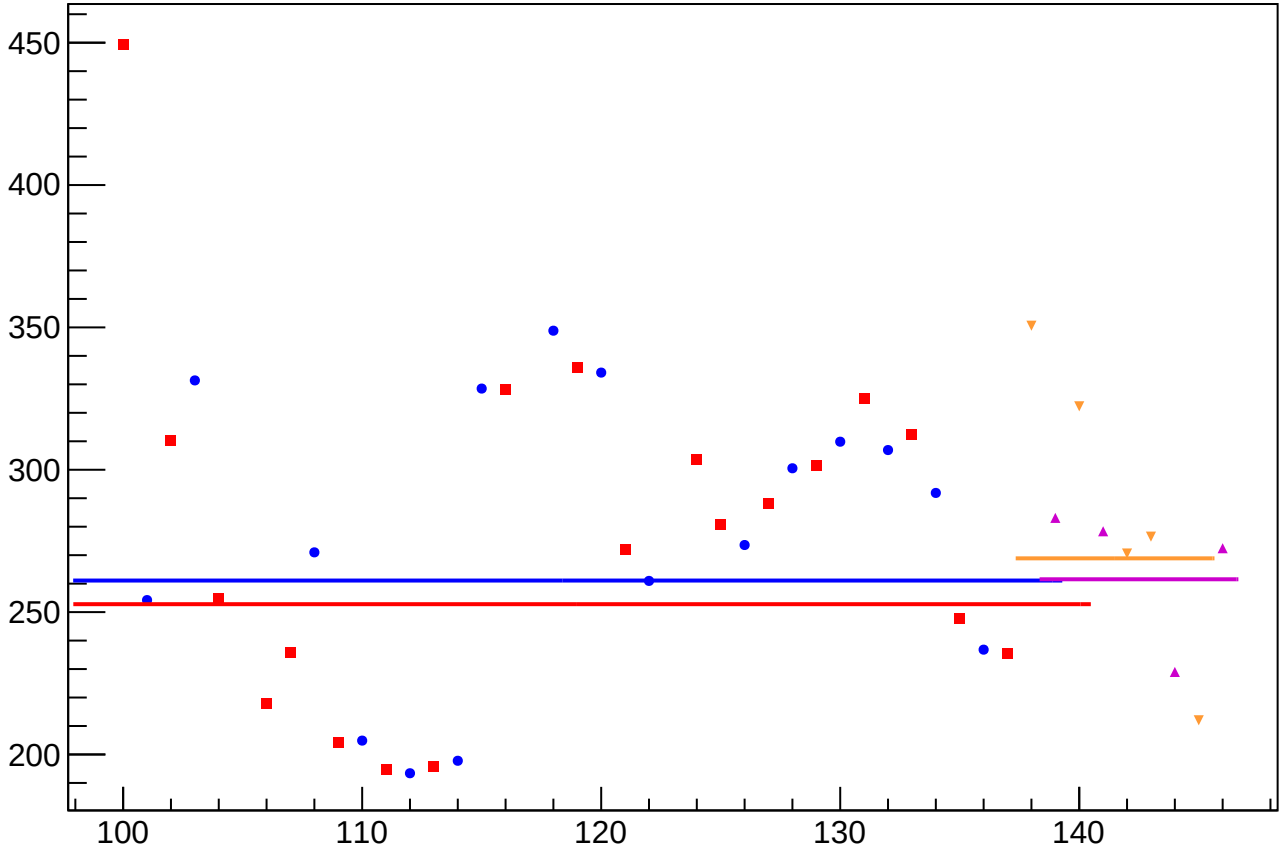
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 122.284+/-81.383 χ^2/NDF:14.7/19

Out: 245.016+/-79.278 χ^2/NDF:18.8/23

All: 185.258+/-56.788 χ^2/NDF: 34.7/43

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 268.884+/-0.102 χ^2/NDF:243454.9/4

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 261.532+/-0.101 χ^2/NDF:53743.9/3

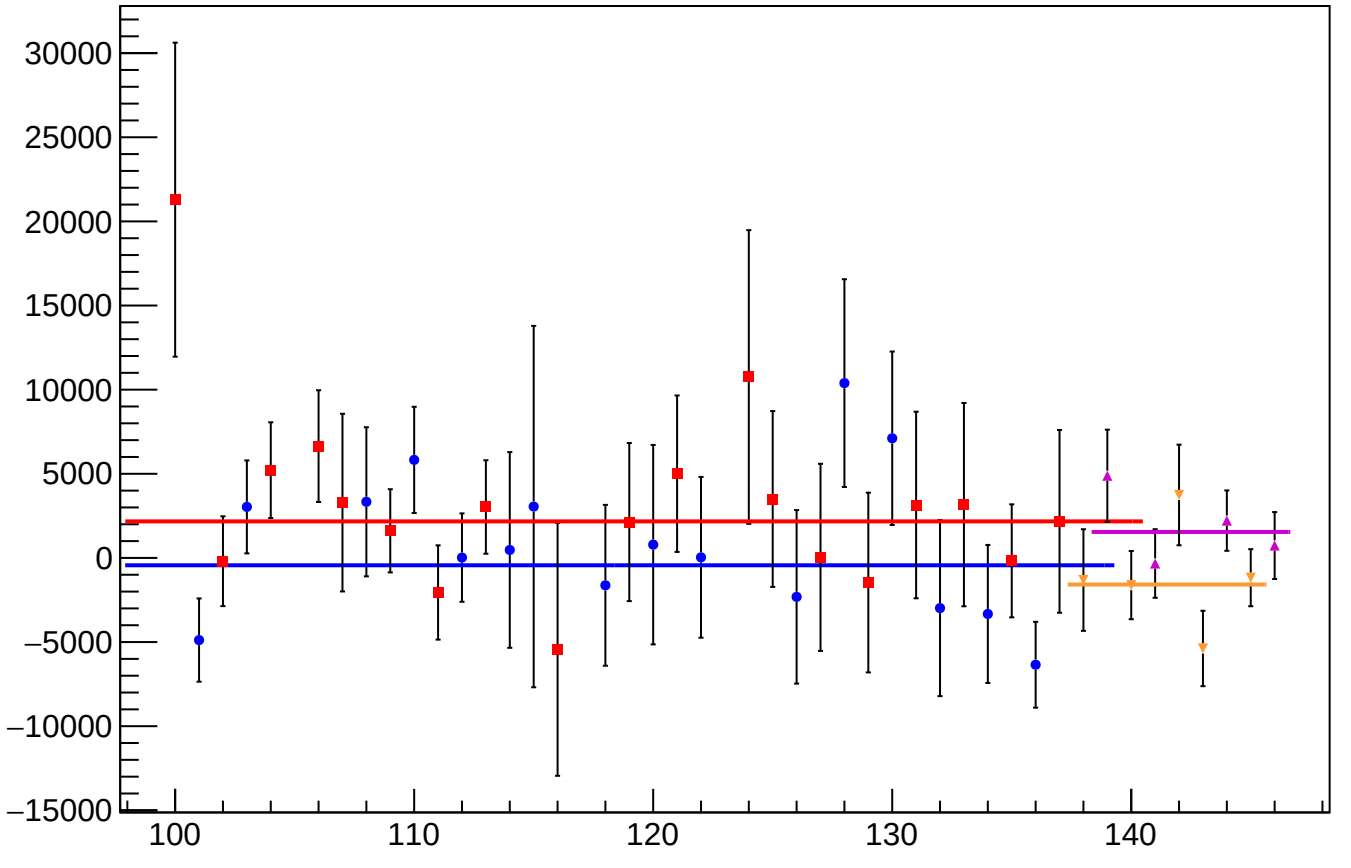
Left: 265.171+/-0.071 χ^2/NDF: 299843.8/8

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 261.234+/-0.058 χ^2/NDF:516419.2/19

Out: 257.689+/-0.056 χ^2/NDF:798208.1/23

All: 259.415+/-0.040 χ^2/NDF: 1316574.6/43



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -1580.914+/-994.021 χ^2/NDF:6.1/4

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1543.982+/-1032.683 χ^2/NDF:2.6/3

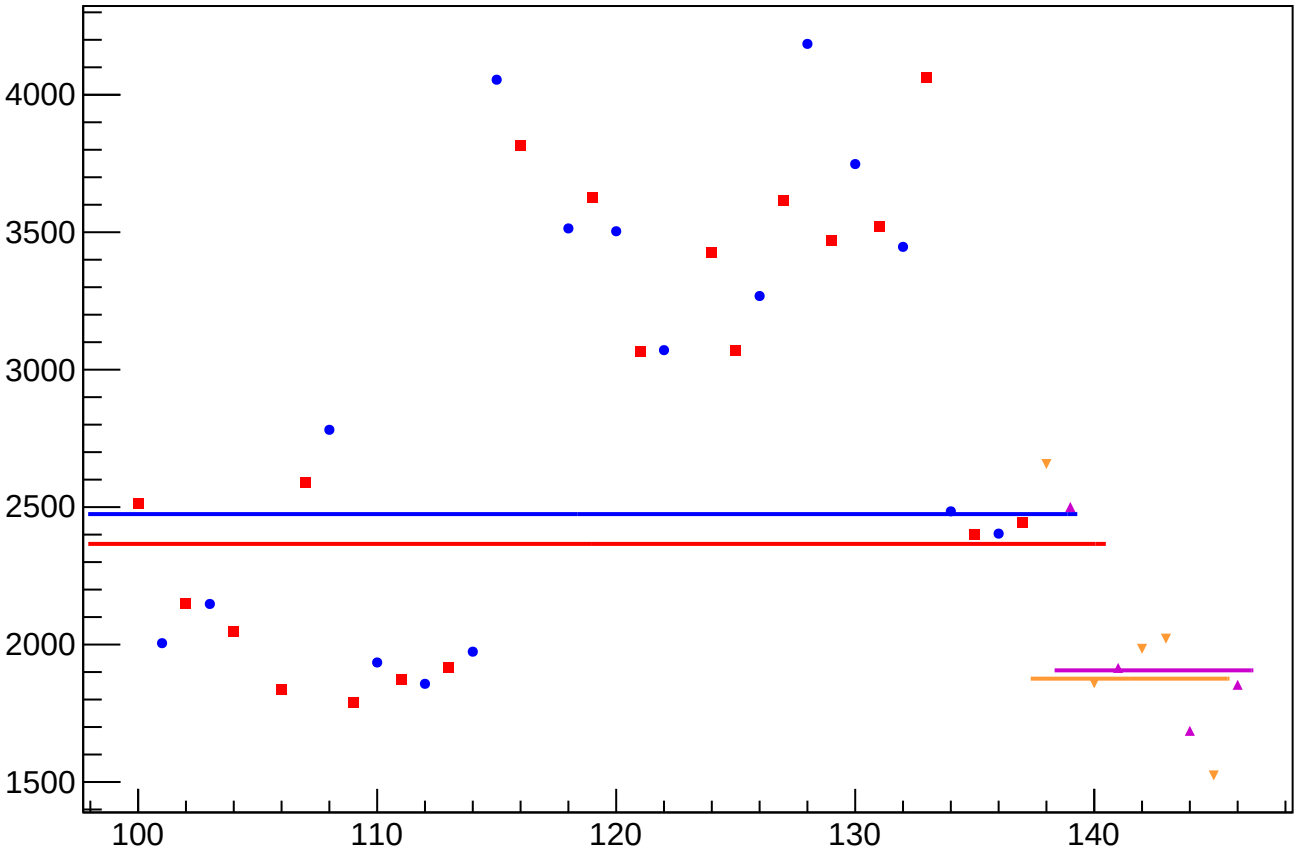
Left: -78.055+/-716.157 χ^2/NDF: 13.5/8

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 476.470+/-701.196 χ^2/NDF:25.8/19

Out: 479.159+/-667.614 χ^2/NDF:27.9/23

All: 477.881+/-483.511 χ^2/NDF: 53.8/43



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 1875.951+/-0.703 χ^2/NDF:231220.0/4

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 1906.167+/-0.730 χ^2/NDF:125833.4/3

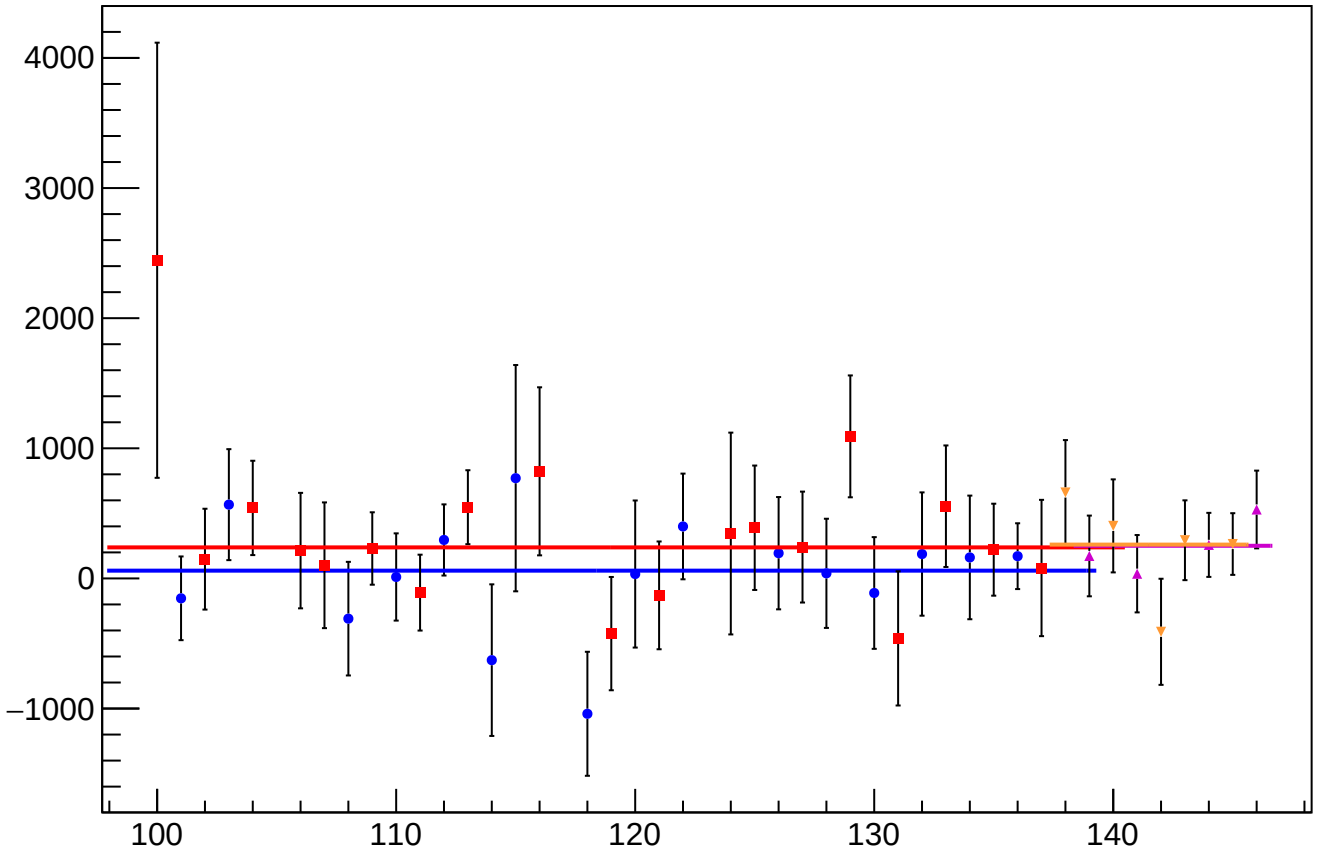
Left: 1890.483+/-0.506 χ^2/NDF: 357942.2/8

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2212.537+/-0.496 χ^2/NDF:1368701.5/19

Out: 2145.067+/-0.472 χ^2/NDF:1575458.3/23

All: 2177.148+/-0.342 χ^2/NDF: 2953872.6/43



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 259.862+/-143.665 χ^2/NDF:3.9/4

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 250.823+/-142.241 χ^2/NDF:1.5/3

Left: 255.298+/-101.079 χ^2/NDF: 5.3/8

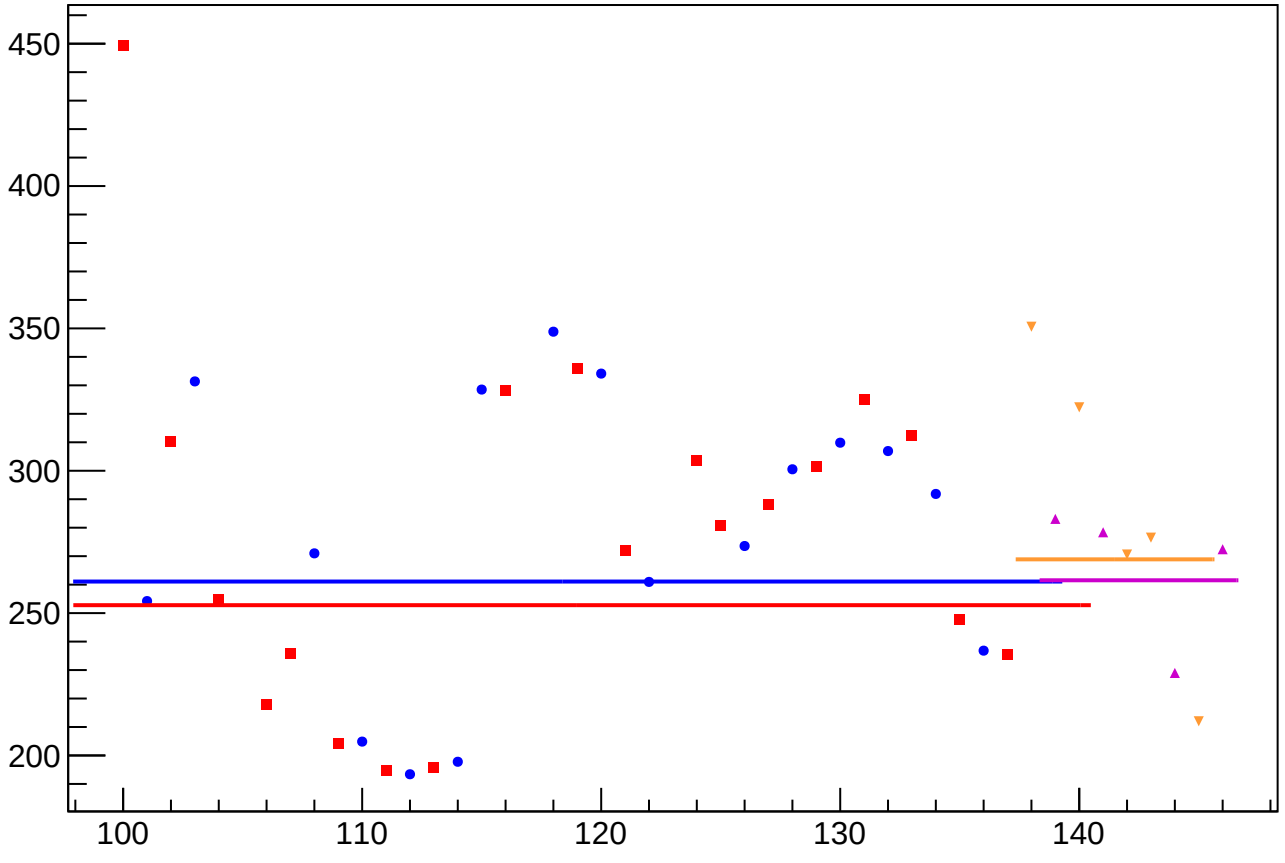
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 122.287+/-81.383 χ^2/NDF:14.7/19

Out: 245.016+/-79.278 χ^2/NDF:18.8/23

All: 185.260+/-56.788 χ^2/NDF: 34.7/43

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 268.885+/-0.102 χ^2/NDF:243450.8/4

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 261.533+/-0.101 χ^2/NDF:53742.7/3

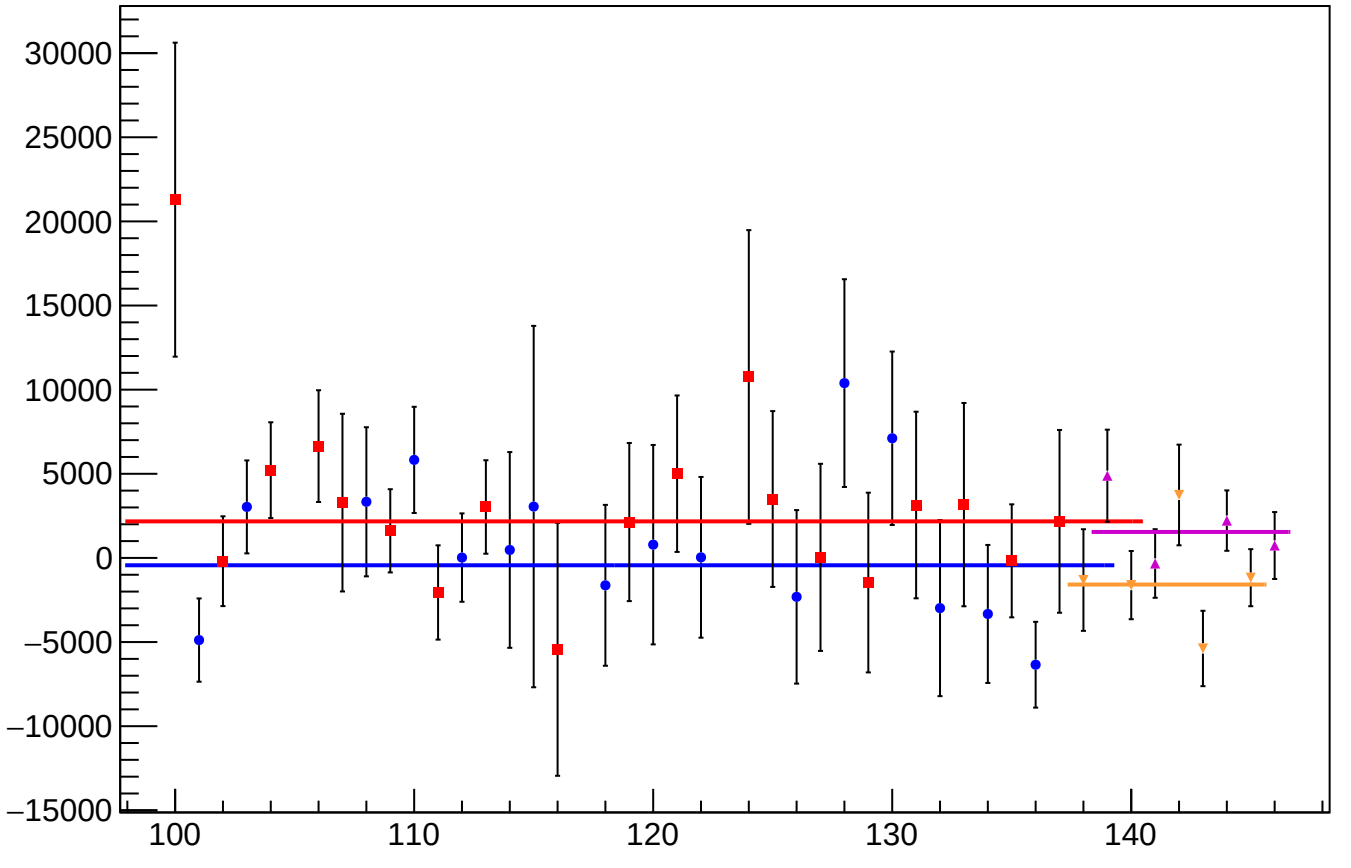
Left: 265.172+/-0.071 χ^2/NDF: 299838.4/8

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 261.234+/-0.058 χ^2/NDF:516421.0/19

Out: 257.689+/-0.056 χ^2/NDF:798208.4/23

All: 259.415+/-0.040 χ^2/NDF: 1316576.7/43



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -1580.914+/-994.019 χ^2/NDF:6.1/4

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1543.982+/-1032.682 χ^2/NDF:2.6/3

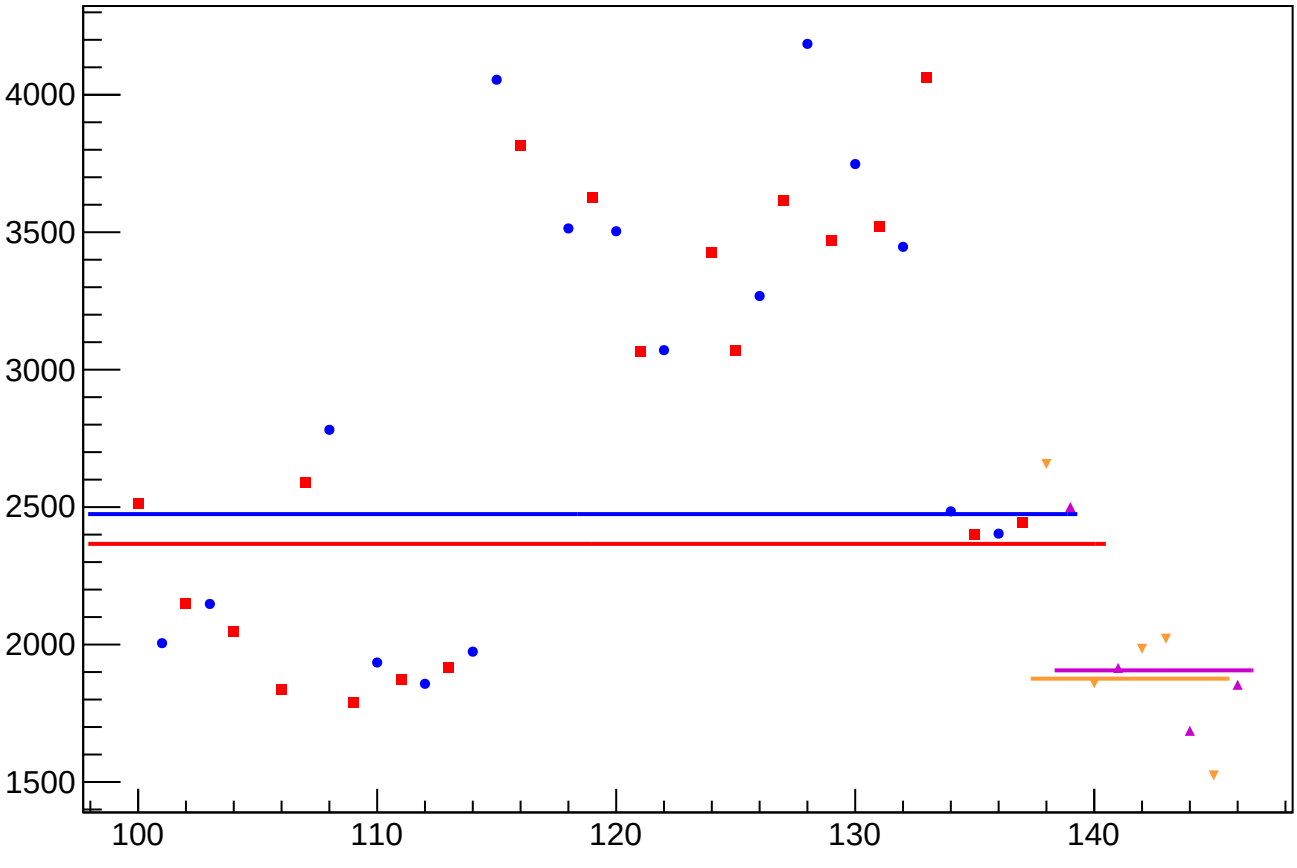
Left: -78.057+/-716.156 χ^2/NDF: 13.5/8

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 476.471+/-701.196 χ^2/NDF:25.8/19

Out: 479.156+/-667.614 χ^2/NDF:27.9/23

All: 477.880+/-483.510 χ^2/NDF: 53.8/43



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 1875.947+/-0.703 χ^2/NDF:231221.5/4

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 1906.166+/-0.730 χ^2/NDF:125833.2/3

Left: 1890.480+/-0.506 χ^2/NDF: 357943.6/8

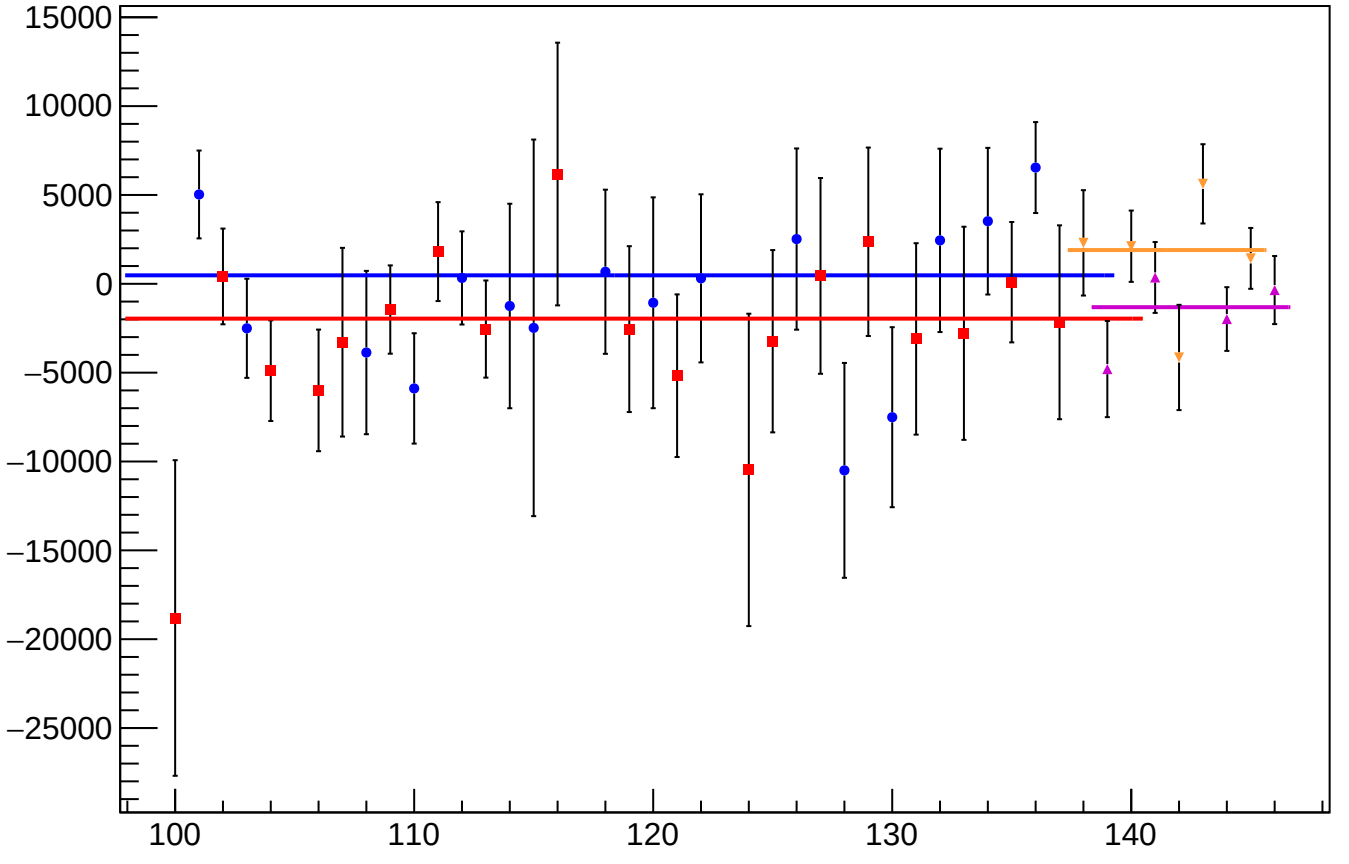
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2212.536+/-0.496 χ^2/NDF:1368704.4/19

Out: 2145.064+/-0.472 χ^2/NDF:1575464.9/23

All: 2177.145+/-0.342 χ^2/NDF: 2953882.5/43

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 1899.554+/-991.119 χ^2/NDF:7.1/4

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -1315.569+/-1014.307 χ^2/NDF:2.8/3

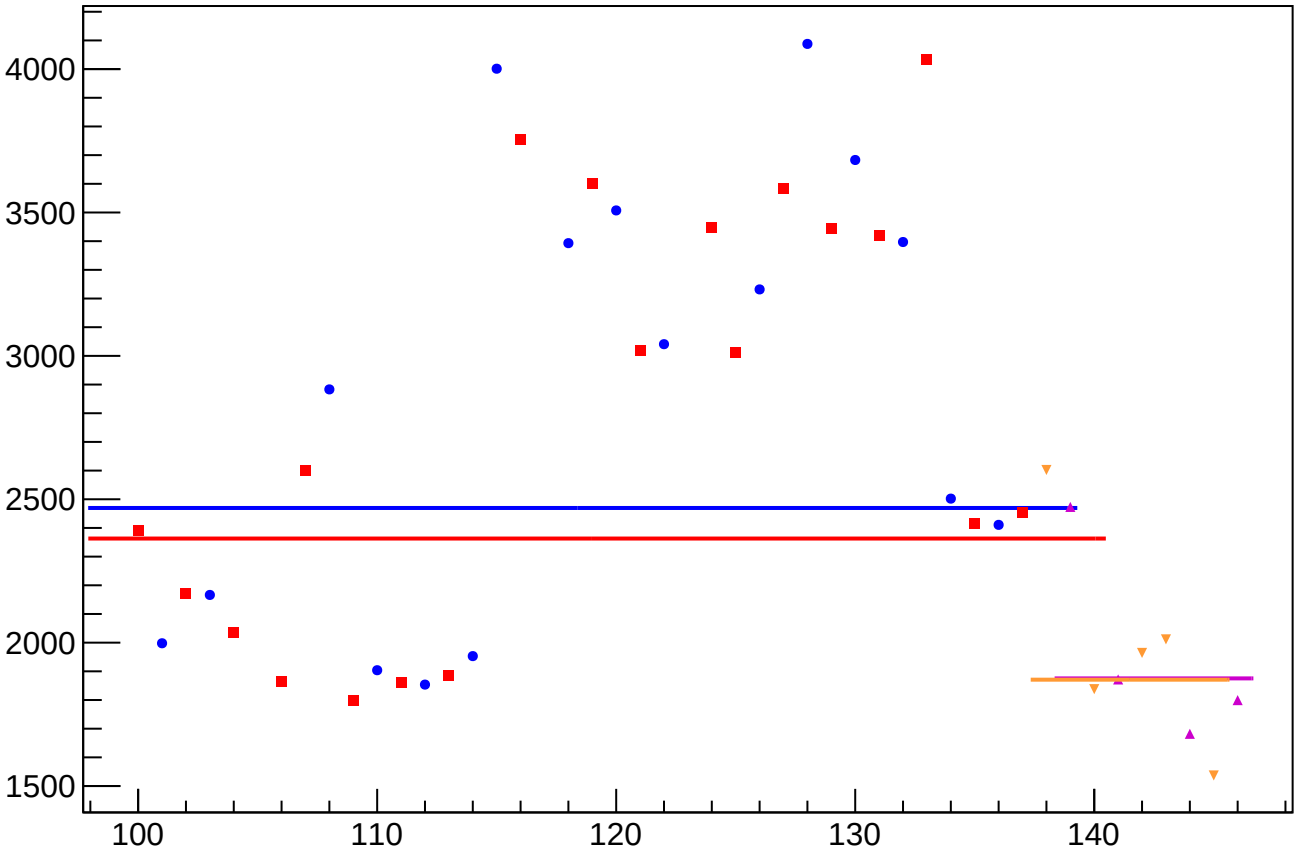
Left: 329.163+/-708.883 χ^2/NDF: 15.0/8

Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -363.094+/-694.440 χ^2/NDF:26.5/19

Out: -216.110+/-666.165 χ^2/NDF:28.2/23

All: -286.549+/-480.735 χ^2/NDF: 54.8/43



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 1870.892+/-0.701 χ^2/NDF:208175.8/4

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 1875.358+/-0.717 χ^2/NDF:124060.2/3

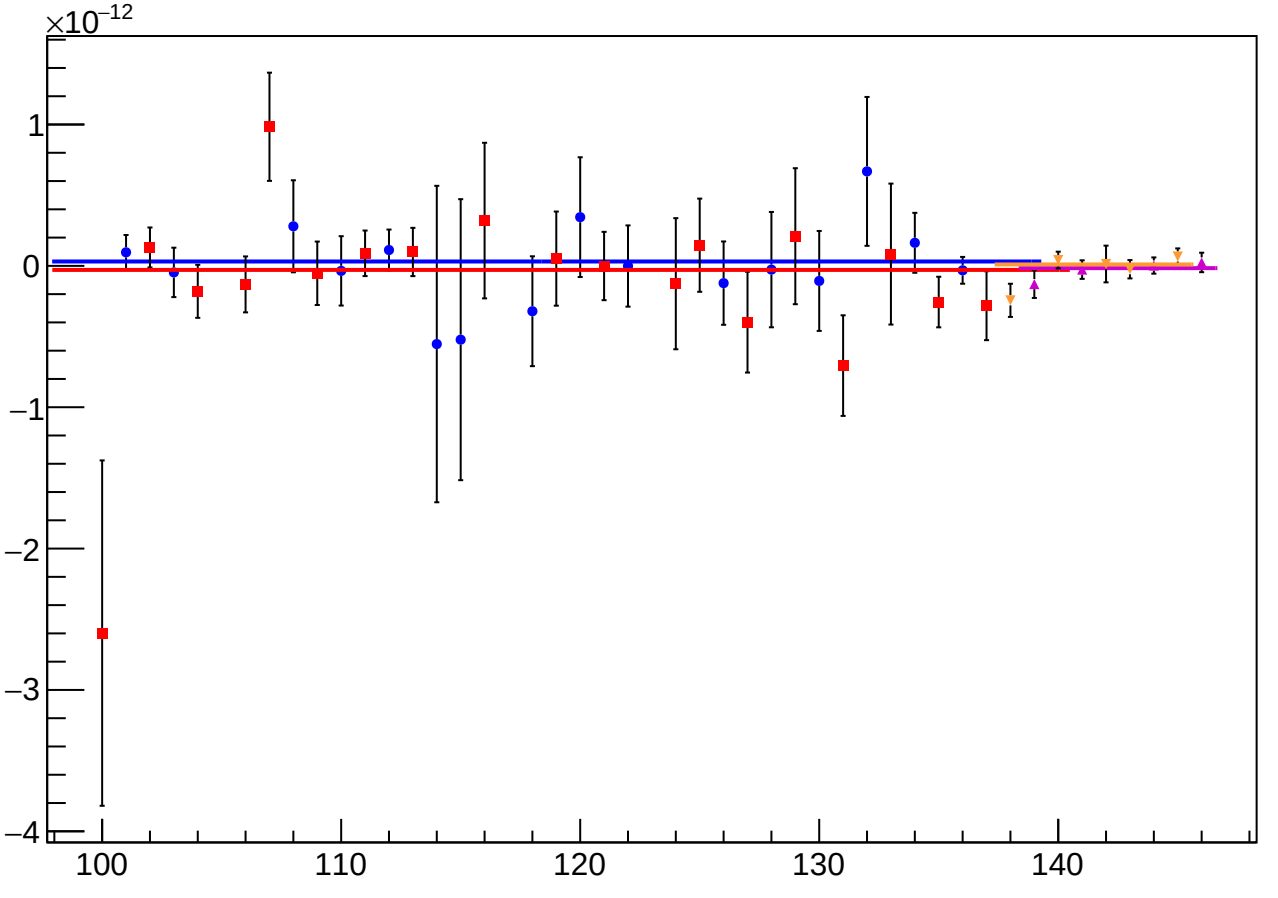
Left: 1873.073+/-0.501 χ^2/NDF: 332255.8/8

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2191.077+/-0.491 χ^2/NDF:1374980.0/19

Out: 2140.712+/-0.471 χ^2/NDF:1521889.7/23

All: 2164.848+/-0.340 χ^2/NDF: 2902348.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

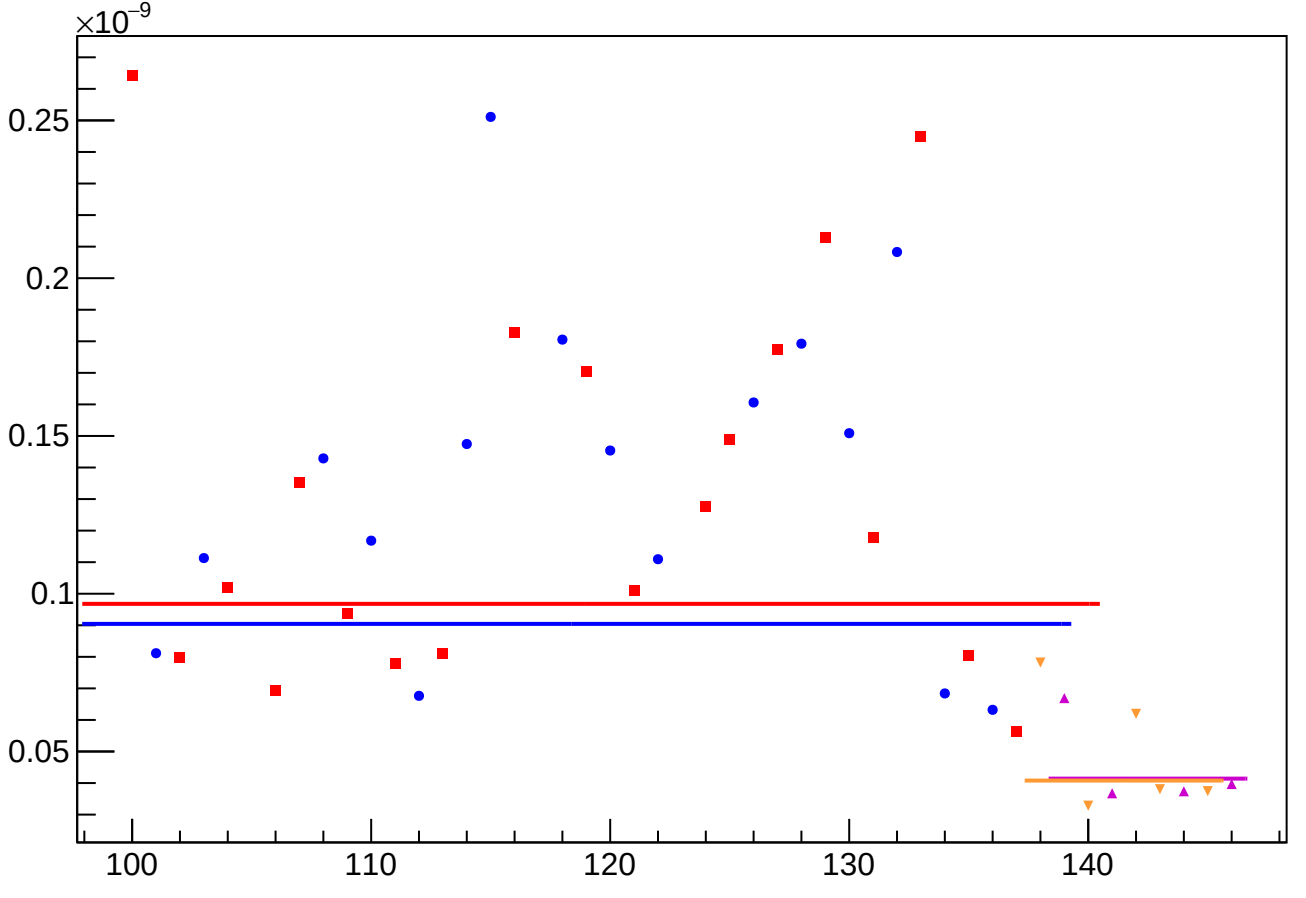
Left: -0.000+/-0.000 χ^2/NDF: 8.3/8

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: -0.000+/-0.000 χ^2/NDF:8.5/19

Out: 0.000+/-0.000 χ^2/NDF:29.7/23

All: -0.000+/-0.000 χ^2/NDF: 38.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:303161.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:156348.6/3

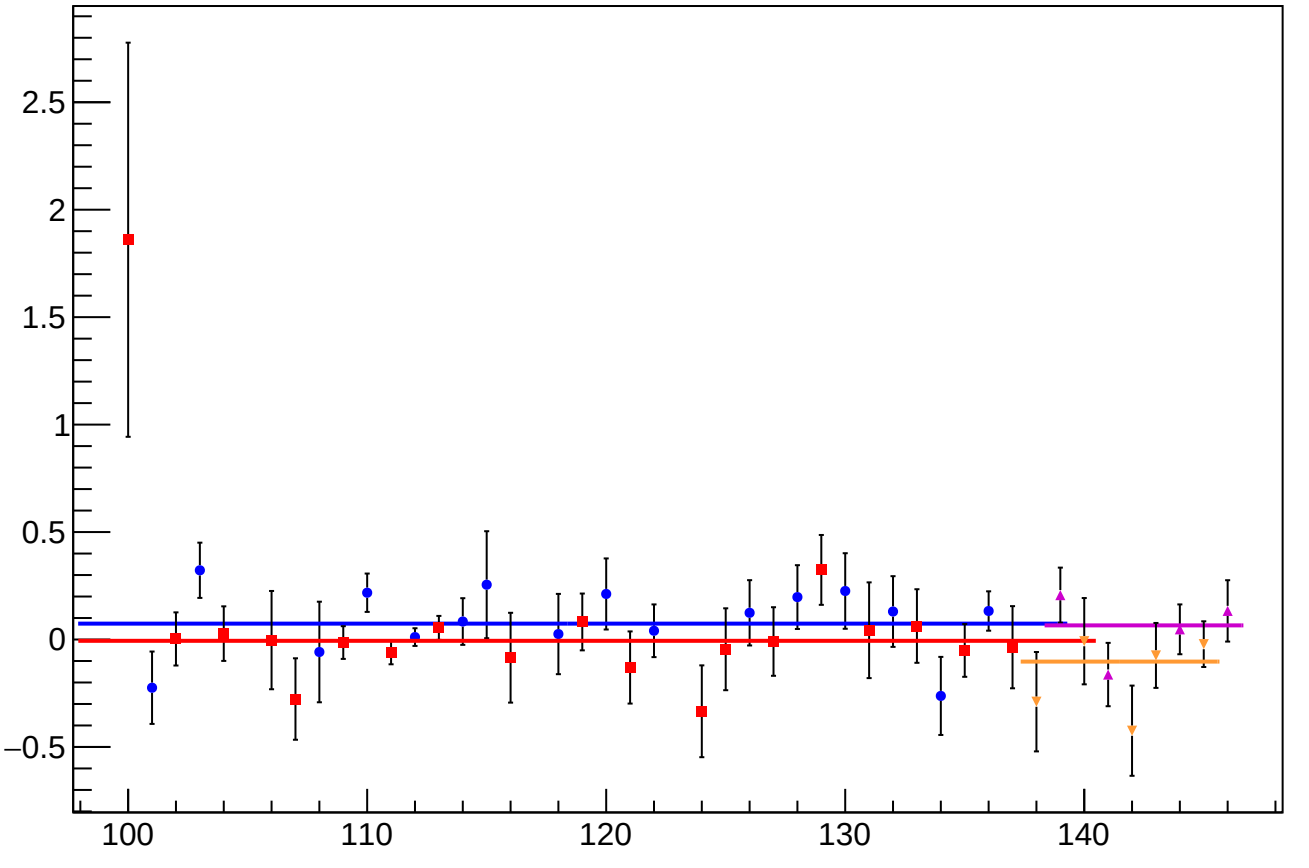
Left: 0.000+/-0.000 χ^2/NDF: 459845.2/8

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2303995.2/19

Out: 0.000+/-0.000 χ^2/NDF:2659700.0/23

All: 0.000+/-0.000 χ^2/NDF: 4965776.7/43



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.103+/-0.071 χ^2/NDF:3.8/4

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.066 χ^2/NDF:3.9/3

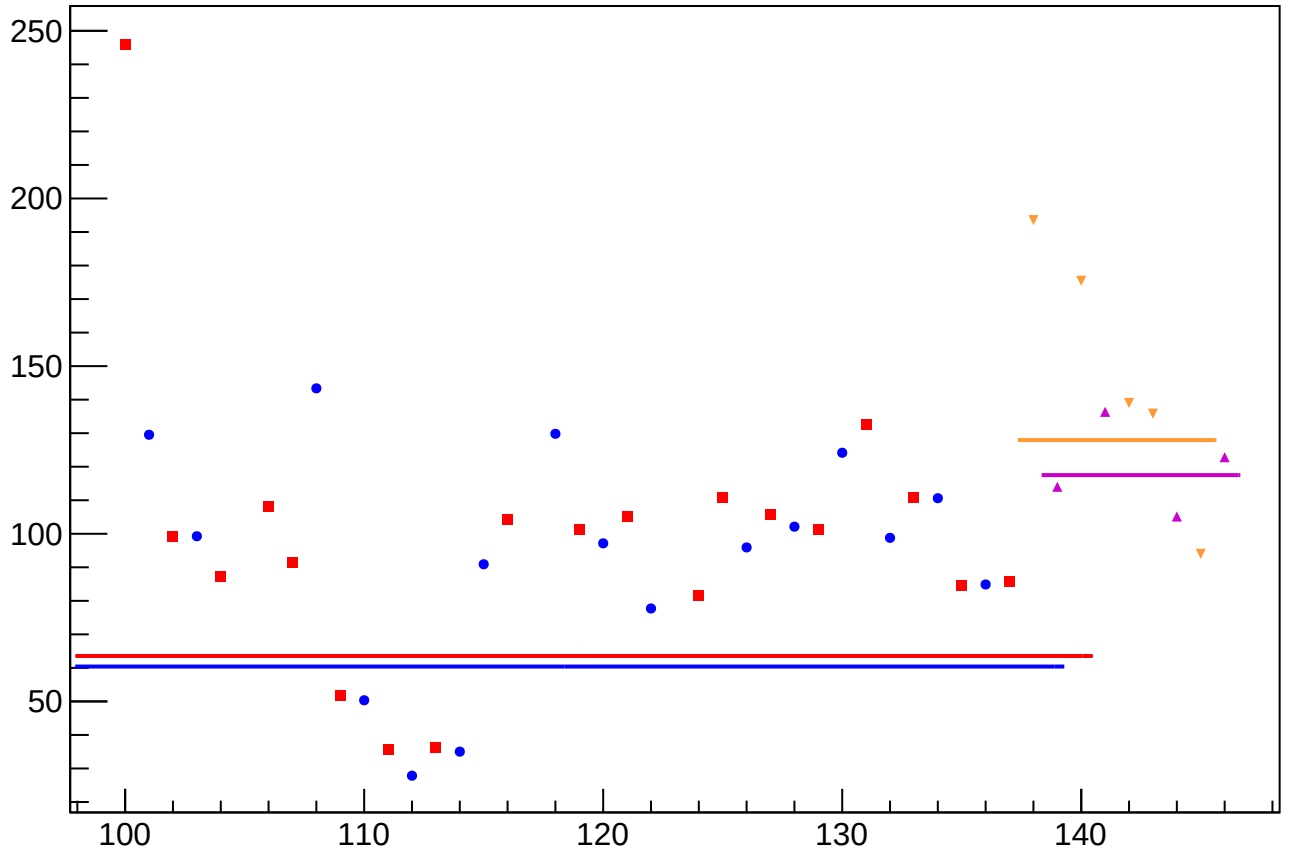
Left: -0.012+/-0.048 χ^2/NDF: 10.7/8

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.073+/-0.025 χ^2/NDF:22.9/19

Out: -0.018+/-0.025 χ^2/NDF:21.9/23

All: 0.027+/-0.018 χ^2/NDF: 51.3/43



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 127.943+/-0.050 χ^2/NDF:487666.7/4

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.503+/-0.047 χ^2/NDF:59754.7/3

Left: 122.334+/-0.034 χ^2/NDF: 570671.6/8

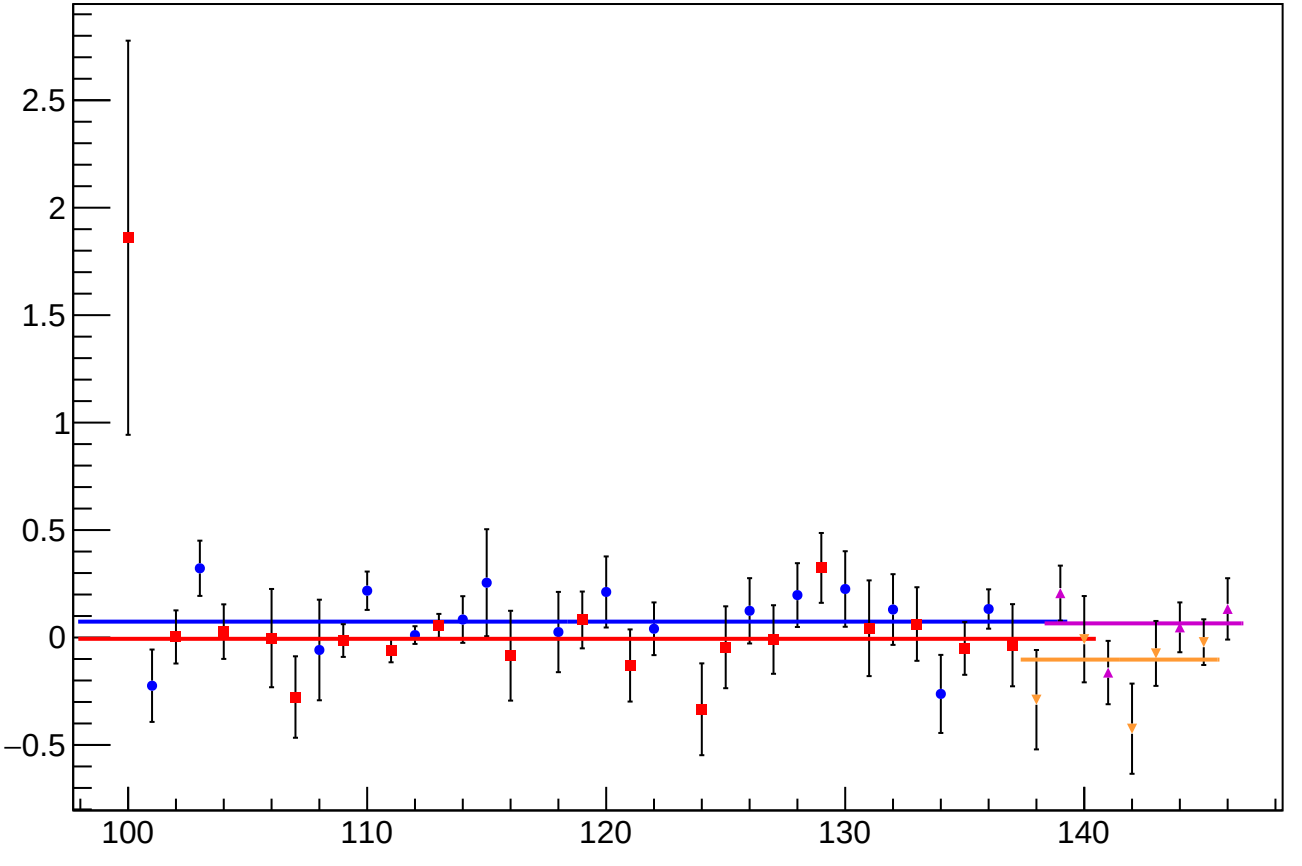
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 68.623+/-0.018 χ^2/NDF:4884759.0/19

Out: 71.604+/-0.018 χ^2/NDF:4582580.8/23

All: 70.107+/-0.013 χ^2/NDF: 9481513.5/43

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.103+/-0.071 χ^2/NDF:3.8/4

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.066 χ^2/NDF:3.9/3

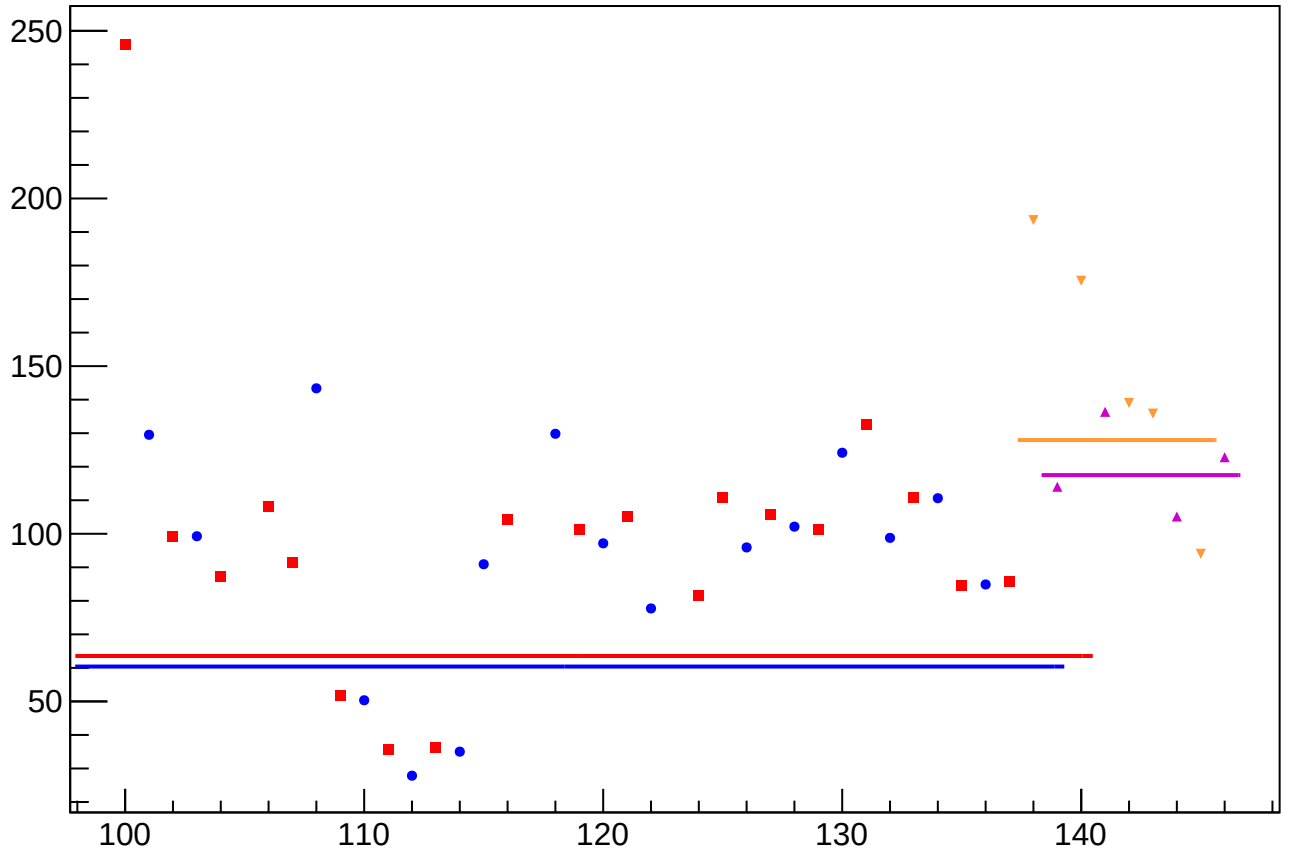
Left: -0.012+/-0.048 χ^2/NDF: 10.7/8

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.073+/-0.025 χ^2/NDF:22.9/19

Out: -0.018+/-0.025 χ^2/NDF:21.9/23

All: 0.027+/-0.018 χ^2/NDF: 51.3/43



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 127.943+/-0.050 χ^2/NDF:487666.7/4

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.503+/-0.047 χ^2/NDF:59754.7/3

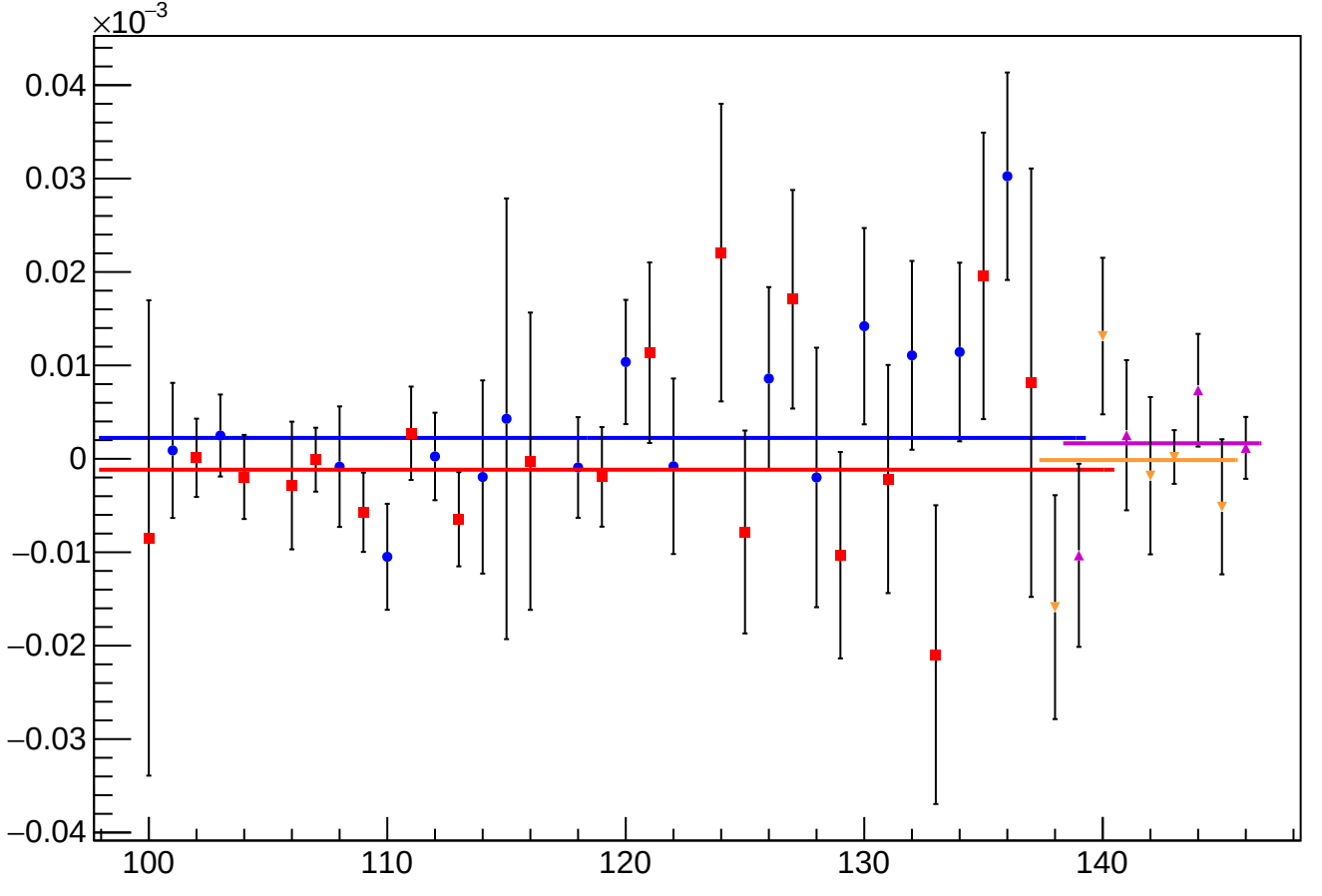
Left: 122.334+/-0.034 χ^2/NDF: 570671.6/8

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 68.623+/-0.018 χ^2/NDF:4884759.0/19

Out: 71.604+/-0.018 χ^2/NDF:4582580.8/23

All: 70.107+/-0.013 χ^2/NDF: 9481513.5/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/4

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/3

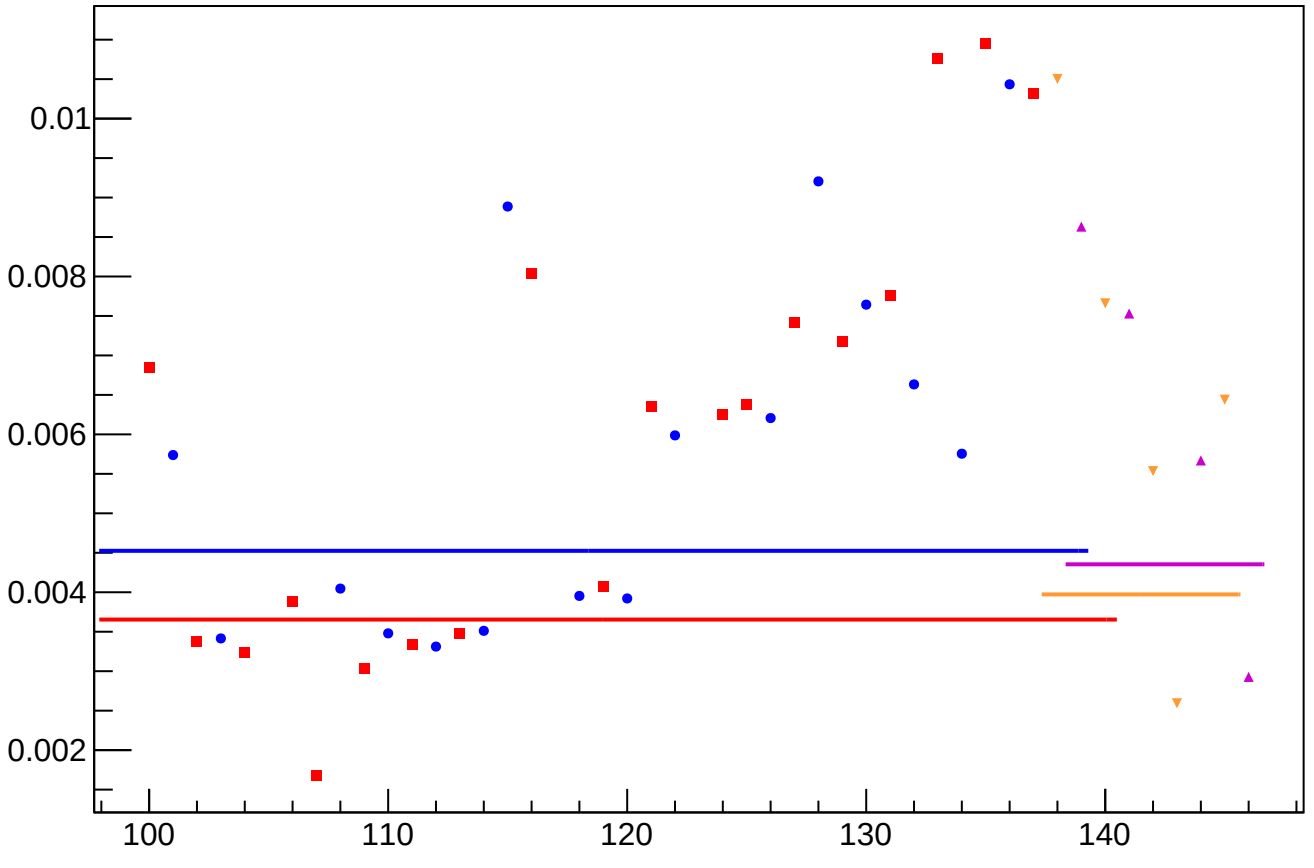
Left: 0.000+/-0.000 χ^2/NDF: 7.4/8

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:19.9/19

Out: -0.000+/-0.000 χ^2/NDF:19.0/23

All: 0.000+/-0.000 χ^2/NDF: 41.1/43



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1743836.7/4

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1159474.3/3

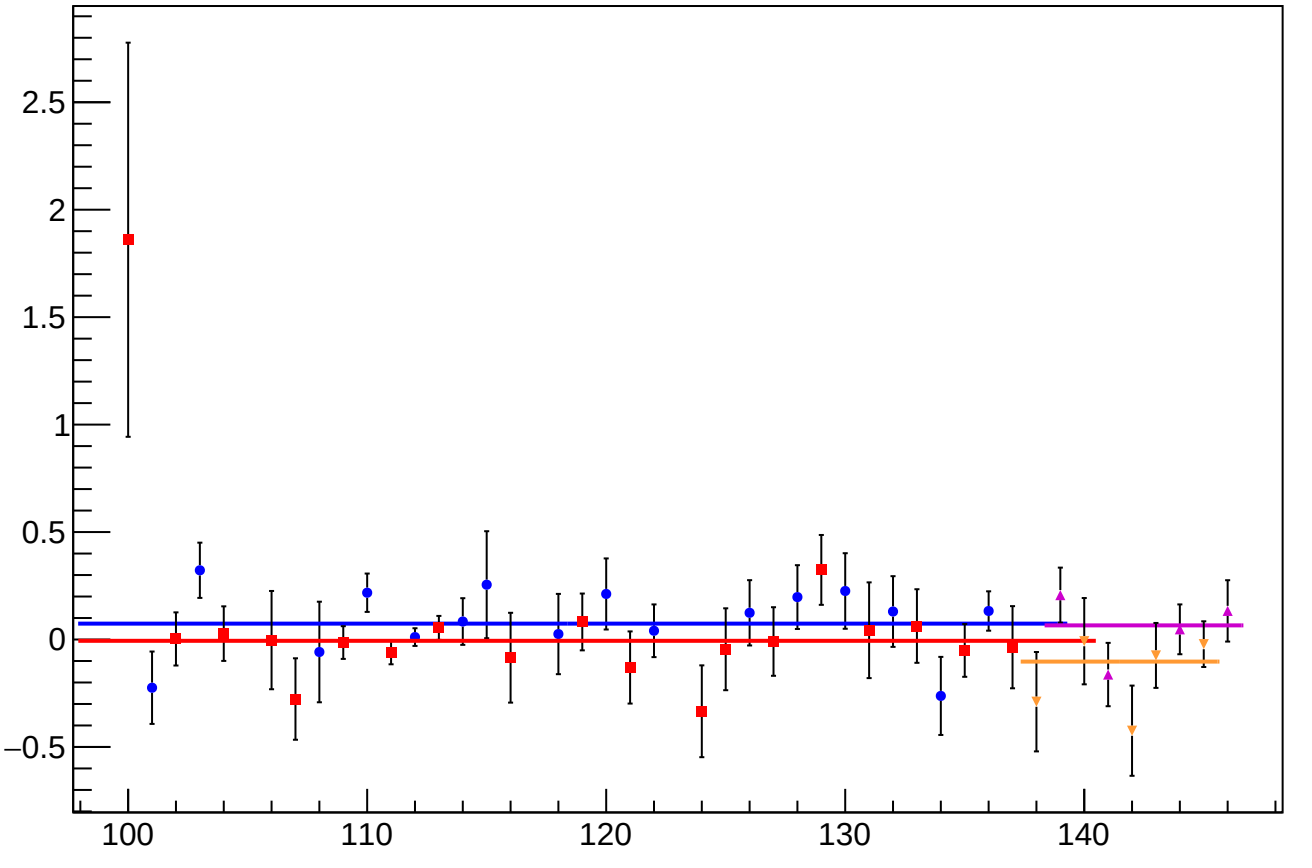
Left: 0.004+/-0.000 χ^2/NDF: 2926365.7/8

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:2886544.6/19

Out: 0.004+/-0.000 χ^2/NDF:4702619.6/23

All: 0.004+/-0.000 χ^2/NDF: 7863475.3/43



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.103+/-0.071 χ^2/NDF:3.8/4

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.066 χ^2/NDF:3.9/3

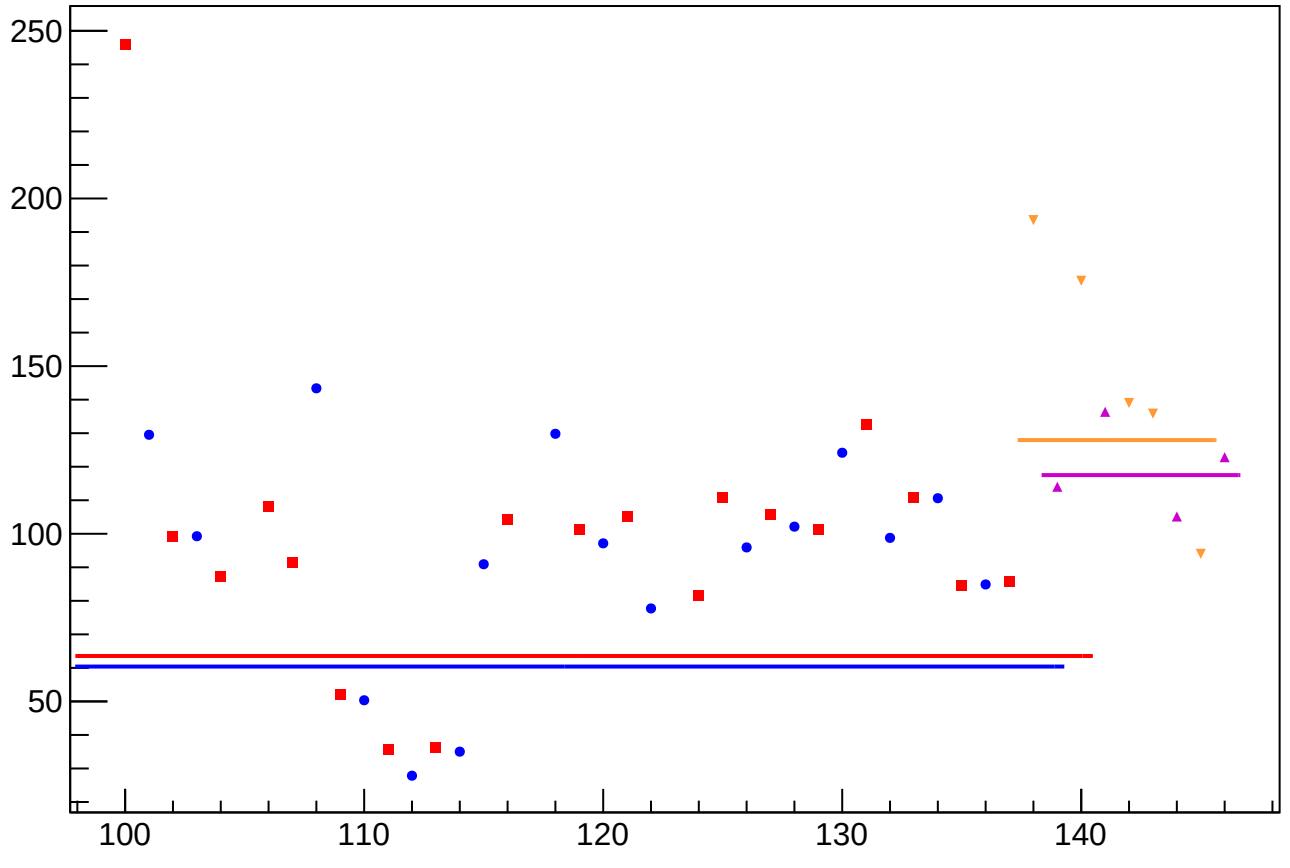
Left: -0.012+/-0.048 χ^2/NDF: 10.7/8

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.073+/-0.025 χ^2/NDF:22.9/19

Out: -0.018+/-0.025 χ^2/NDF:21.9/23

All: 0.027+/-0.018 χ^2/NDF: 51.3/43



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.945+/-0.050 χ^2/NDF:487636.5/4

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.504+/-0.047 χ^2/NDF:59756.1/3

Left: 122.335+/-0.034 χ^2/NDF: 570645.5/8

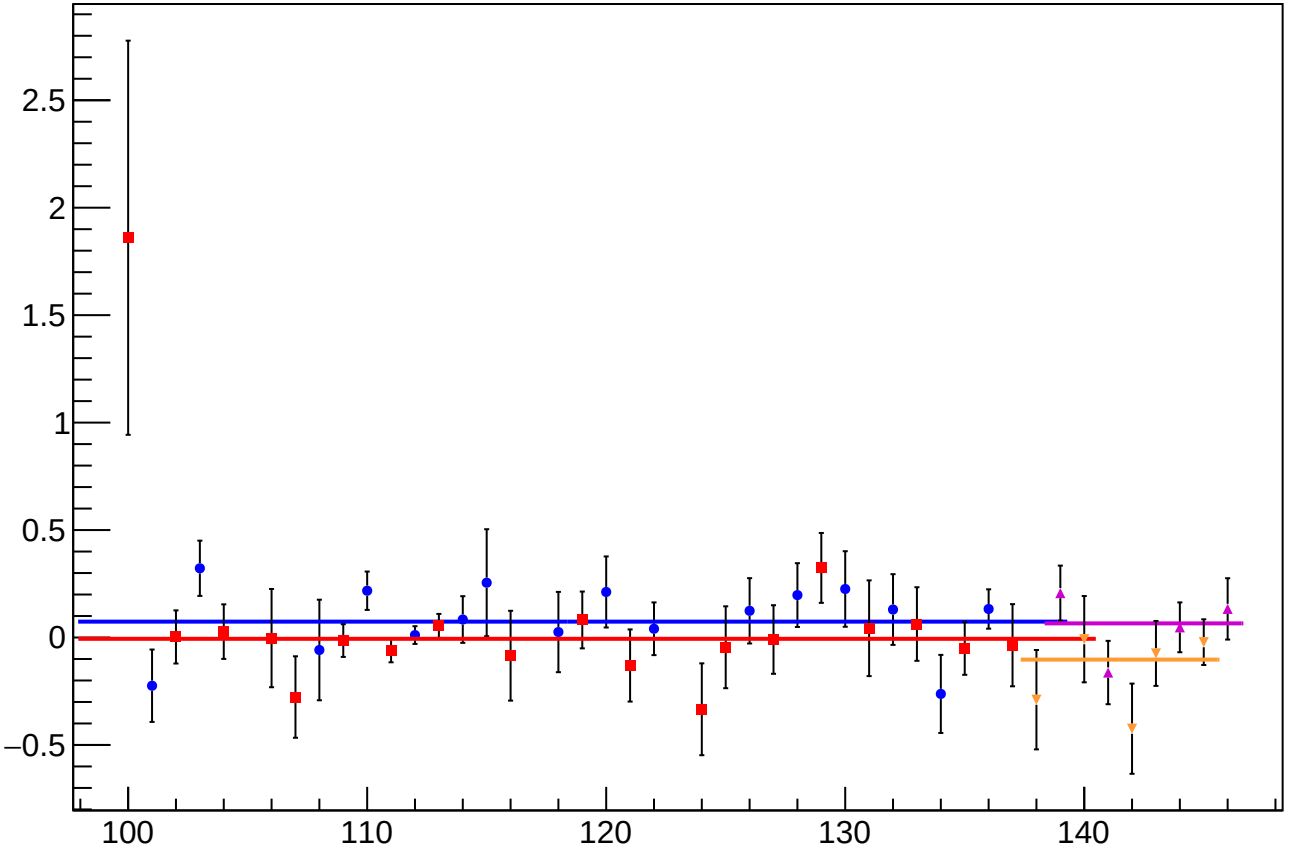
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 68.621+/-0.018 χ^2/NDF:4885149.3/19

Out: 71.603+/-0.018 χ^2/NDF:4582956.6/23

All: 70.105+/-0.013 χ^2/NDF: 9482282.8/43

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: -0.103+/-0.071 χ^2/NDF:3.8/4

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.066 χ^2/NDF:3.9/3

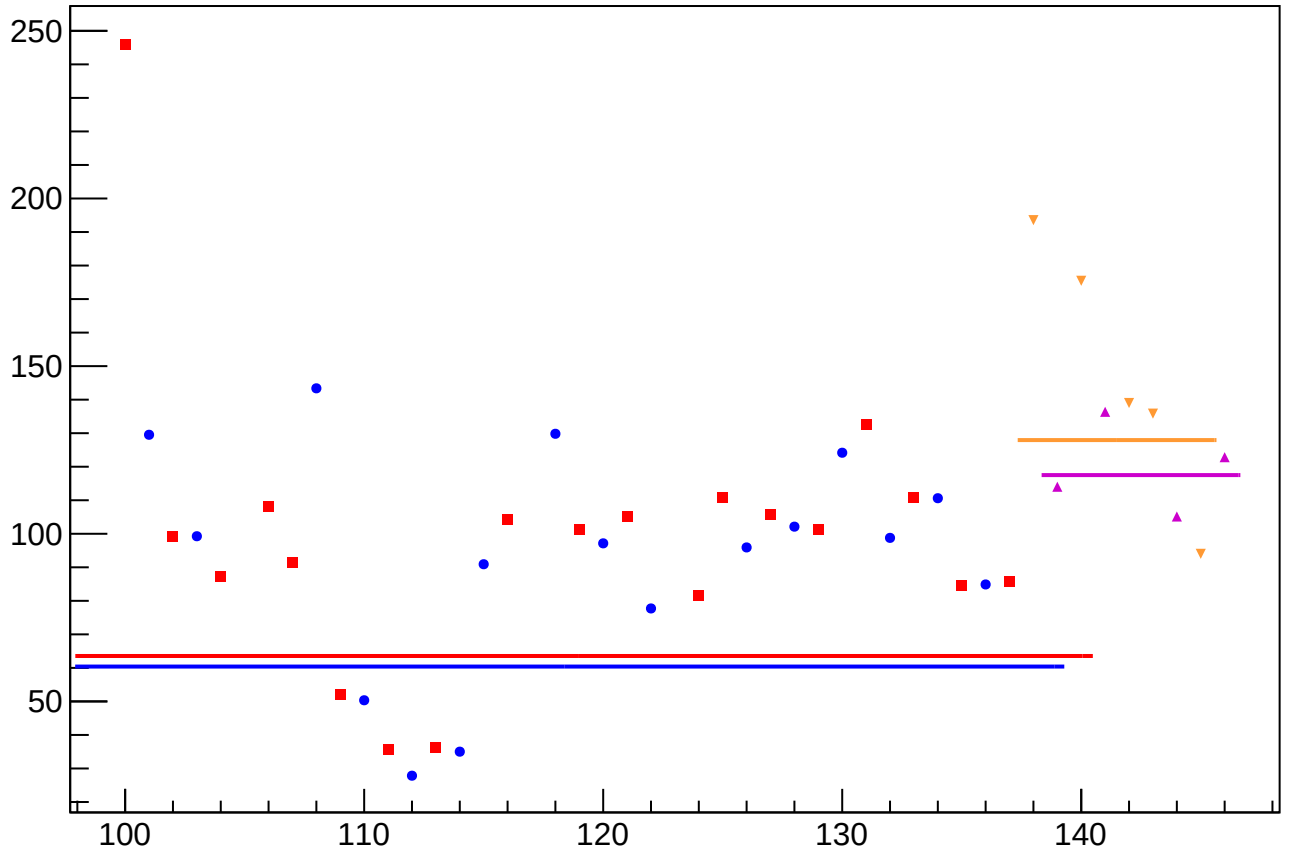
Left: -0.012+/-0.048 χ^2/NDF: 10.7/8

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.073+/-0.025 χ^2/NDF:22.9/19

Out: -0.018+/-0.025 χ^2/NDF:21.9/23

All: 0.027+/-0.018 χ^2/NDF: 51.3/43



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.945+/-0.050 χ^2/NDF:487636.5/4

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.504+/-0.047 χ^2/NDF:59756.1/3

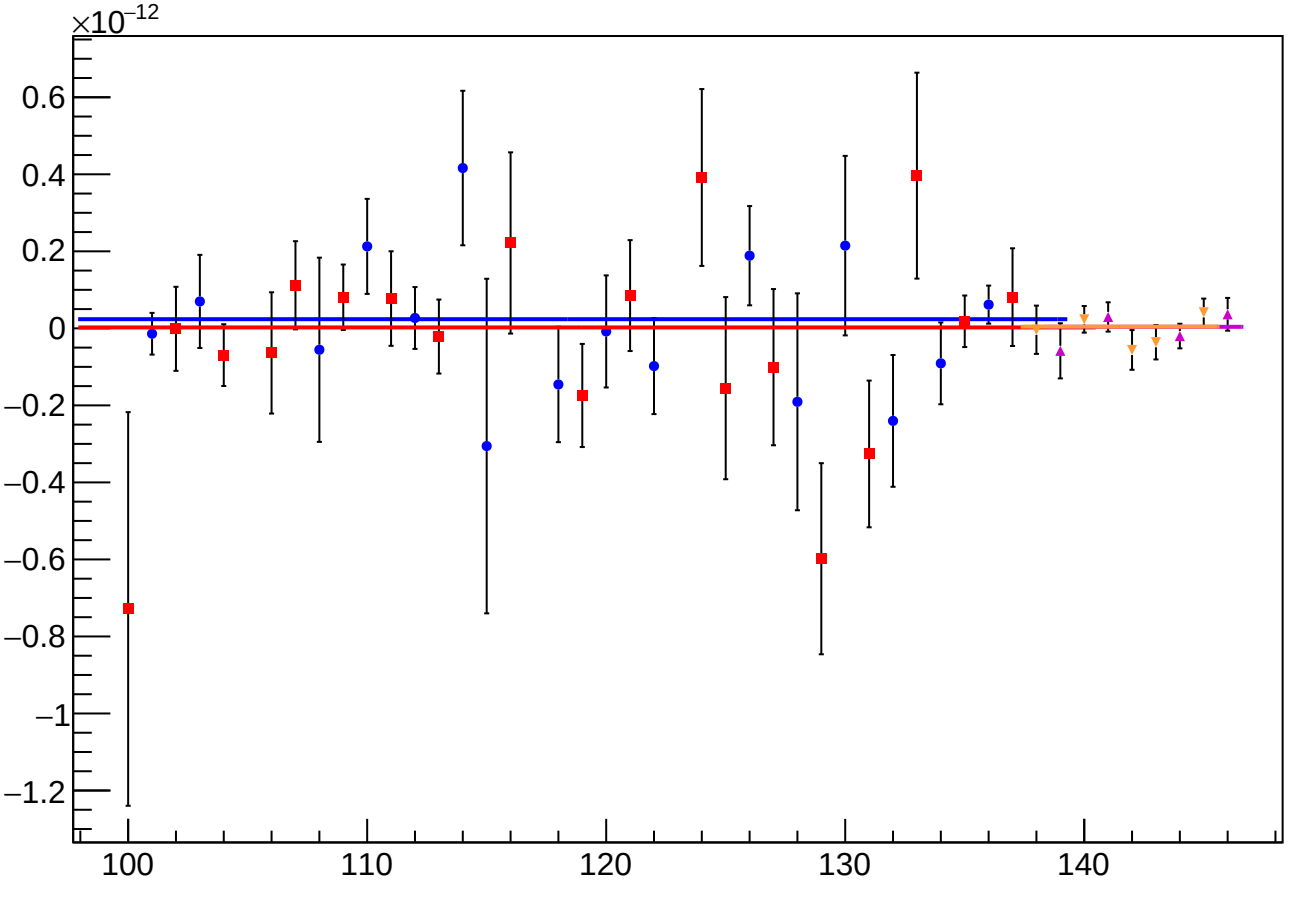
Left: 122.335+/-0.034 χ^2/NDF: 570645.5/8

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 68.621+/-0.018 χ^2/NDF:4885149.3/19

Out: 71.603+/-0.018 χ^2/NDF:4582956.6/23

All: 70.105+/-0.013 χ^2/NDF: 9482282.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/3

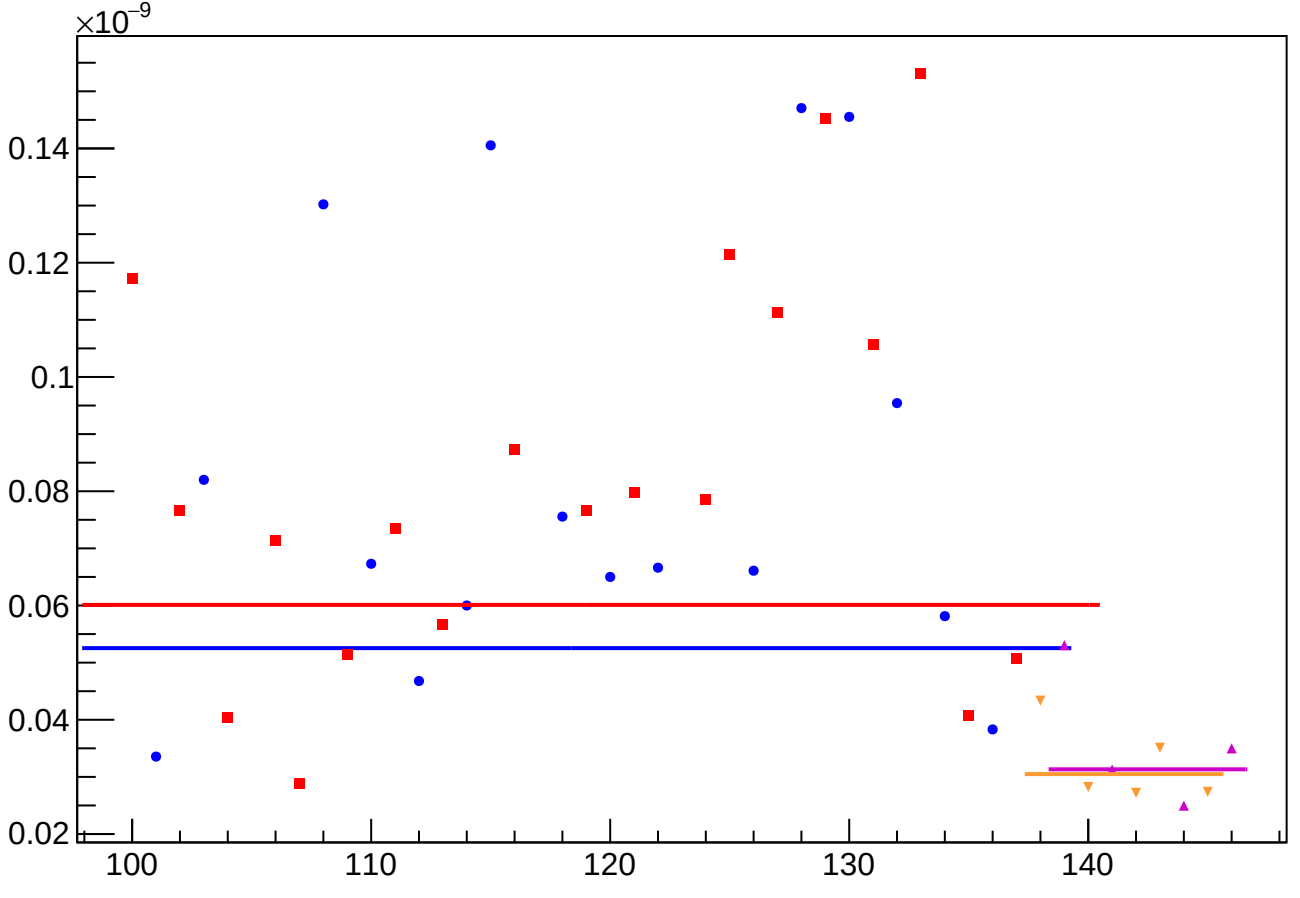
Left: 0.000+/-0.000 χ^2/NDF: 6.0/8

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:19.5/19

Out: 0.000+/-0.000 χ^2/NDF:26.8/23

All: 0.000+/-0.000 χ^2/NDF: 46.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:137318.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:278601.7/3

Left: 0.000+/-0.000 χ^2/NDF: 417718.7/8

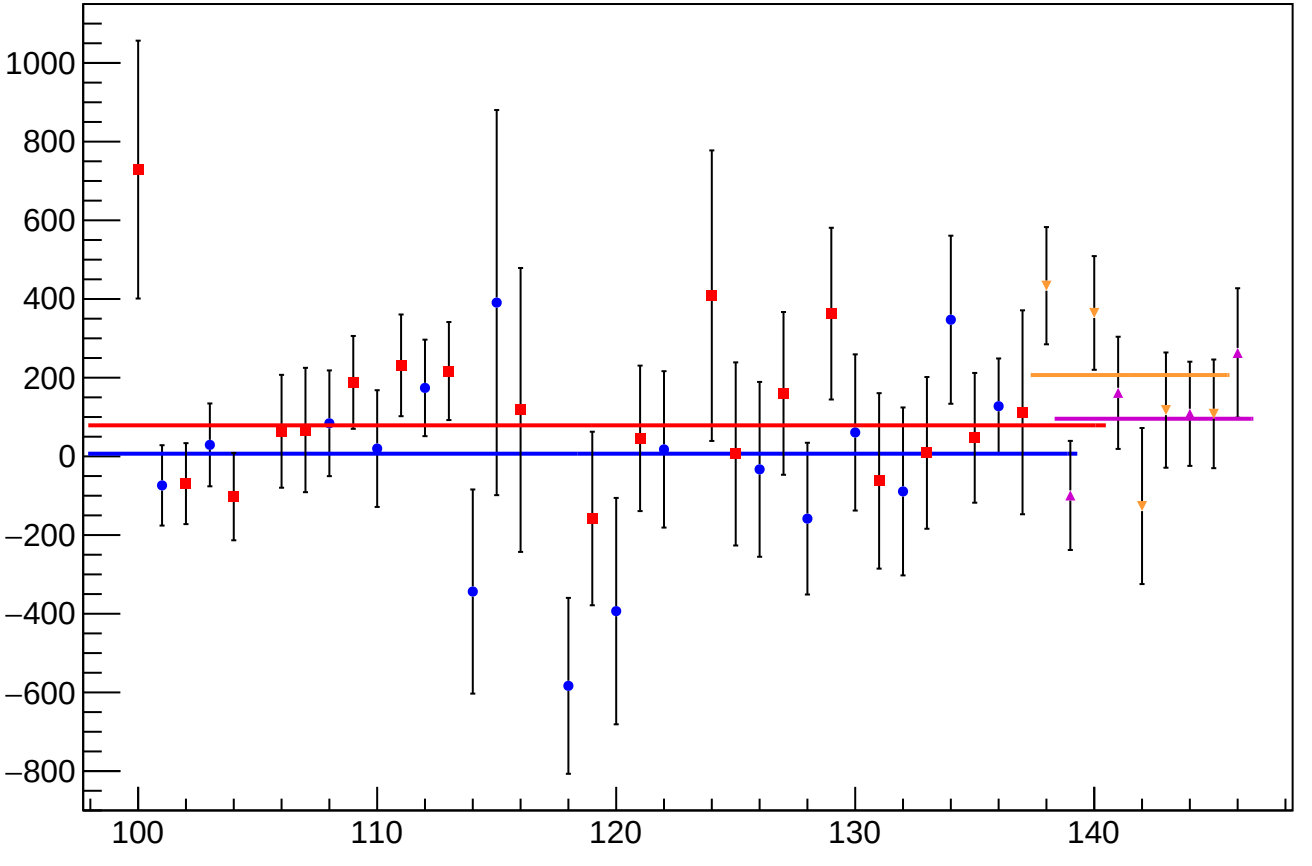
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:2746347.4/19

Out: 0.000+/-0.000 χ^2/NDF:3142645.9/23

All: 0.000+/-0.000 χ^2/NDF: 5889104.5/43

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 206.709+/-67.816 χ^2/NDF:7.2/4

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 95.611+/-71.573 χ^2/NDF:3.2/3

Left: 154.153+/-49.228 χ^2/NDF: 11.7/8

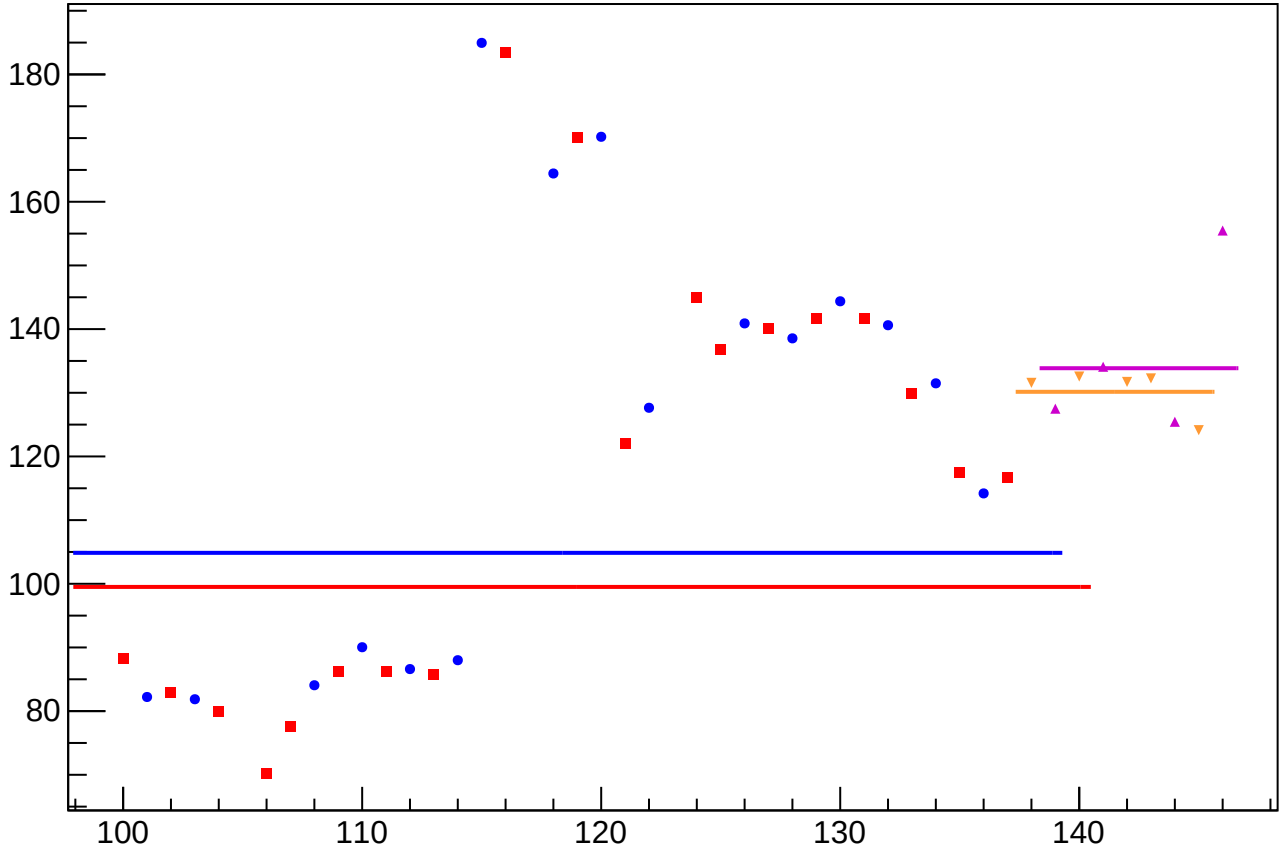
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 28.229+/-35.151 χ^2/NDF:23.2/19

Out: 109.312+/-33.088 χ^2/NDF:26.6/23

All: 71.220+/-24.093 χ^2/NDF: 52.6/43

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 130.152+/-0.048 χ^2/NDF:5074.5/4

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

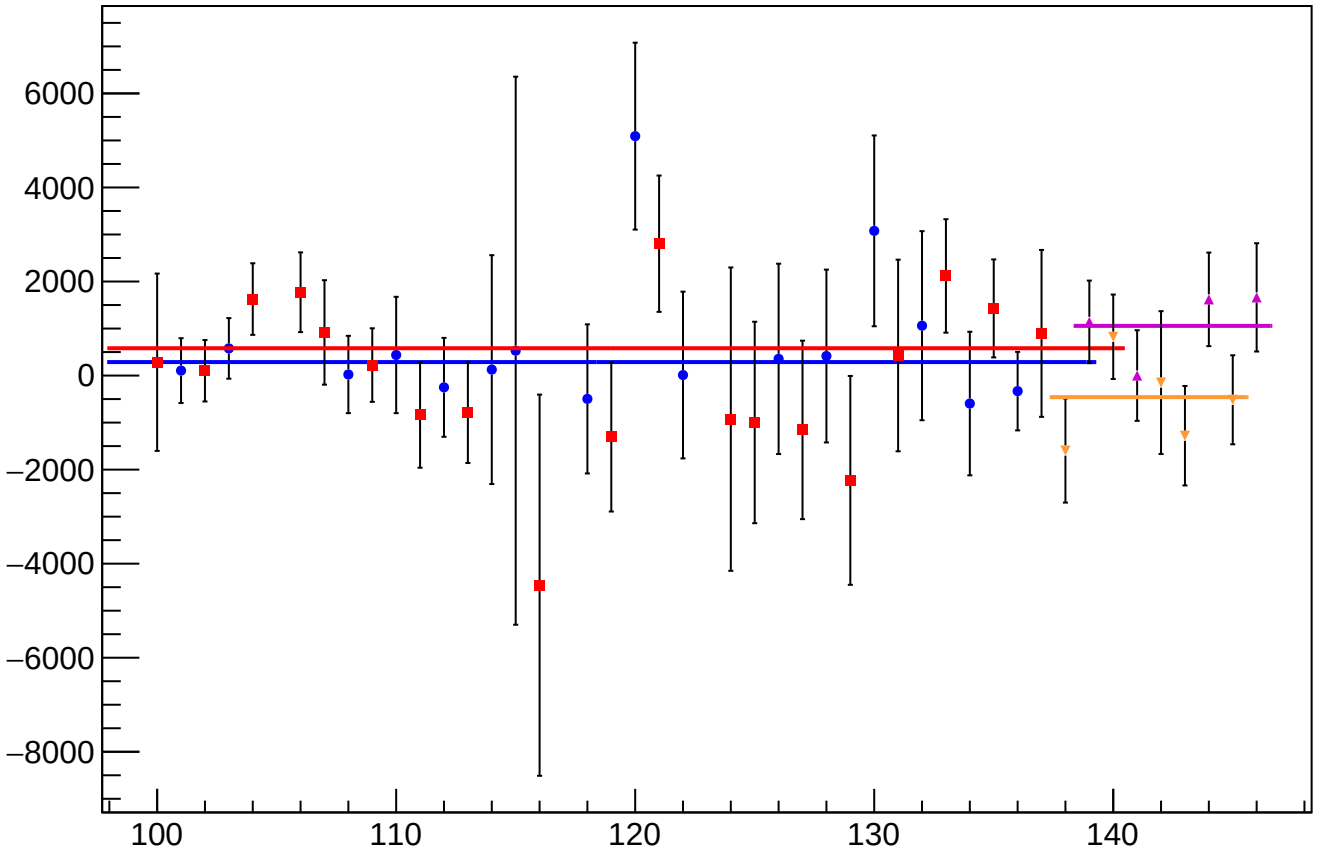
Left: 131.905+/-0.035 χ^2/NDF: 54726.5/8

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 111.854+/-0.025 χ^2/NDF:1227163.4/19

Out: 106.803+/-0.023 χ^2/NDF:1355278.3/23

All: 109.176+/-0.017 χ^2/NDF: 2604339.7/43



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -458.650+/-471.421 χ^2/NDF:3.7/4

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 1056.934+/-491.510 χ^2/NDF:1.8/3

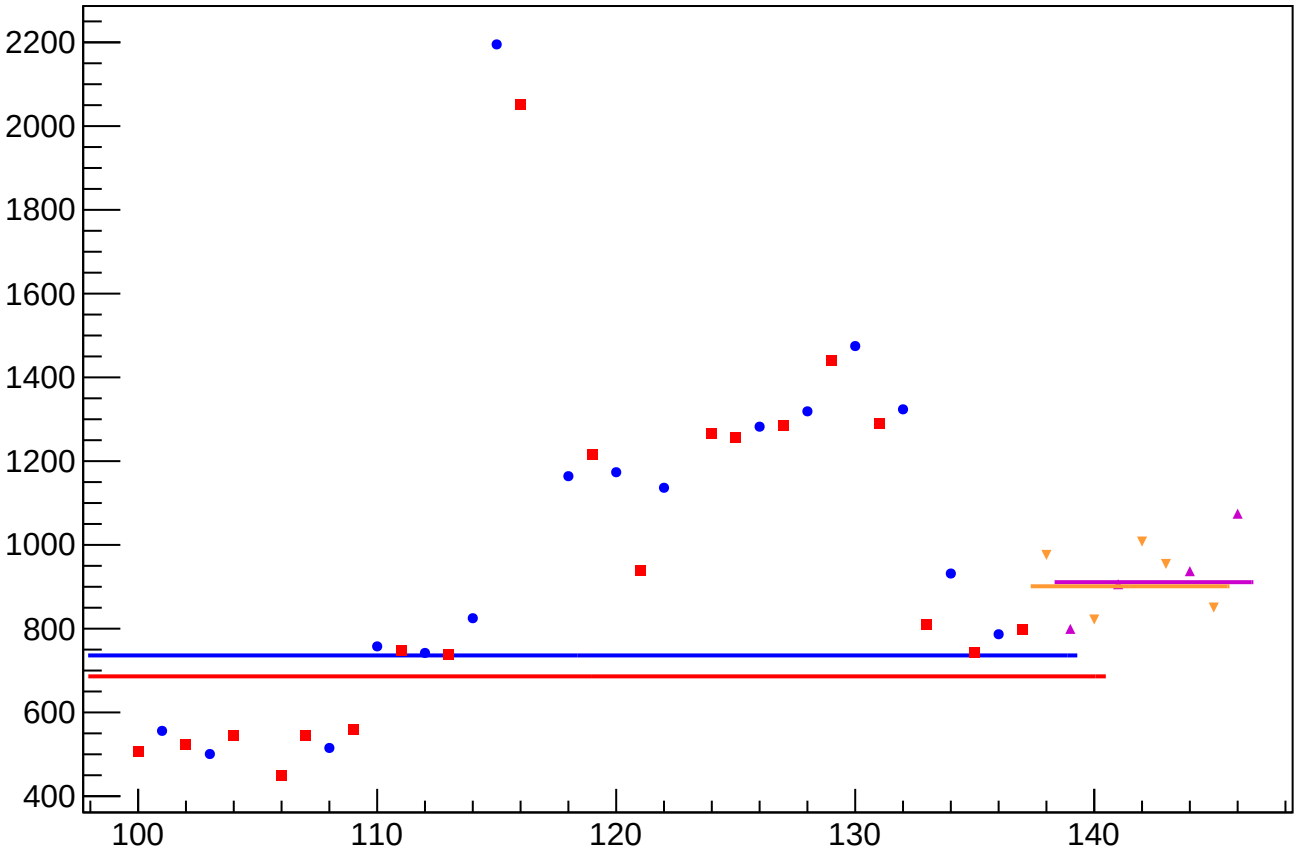
Left: 267.538+/-340.225 χ^2/NDF: 10.5/8

Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 489.288+/-251.975 χ^2/NDF:13.3/19

Out: 324.689+/-234.146 χ^2/NDF:26.2/23

All: 400.960+/-171.523 χ^2/NDF: 39.7/43



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 901.195+/-0.333 χ^2/NDF:45491.6/4

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 911.019+/-0.348 χ^2/NDF:74074.2/3

Left: 905.902+/-0.241 χ^2/NDF: 119981.9/8

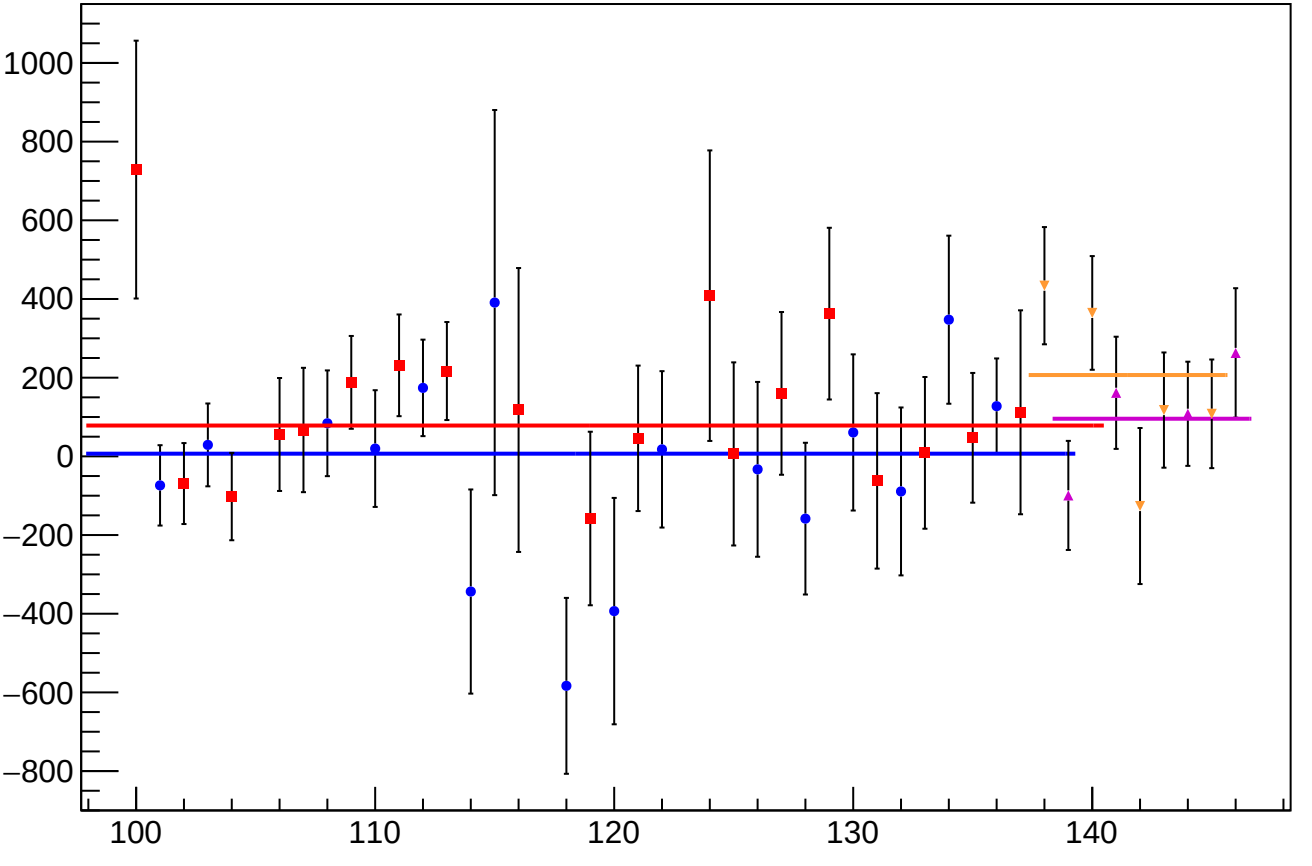
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 782.059+/-0.178 χ^2/NDF:2105335.7/19

Out: 739.169+/-0.166 χ^2/NDF:2178293.5/23

All: 759.043+/-0.121 χ^2/NDF: 4314725.9/43

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 206.716+/-67.816 χ^2/NDF:7.2/4

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 95.619+/-71.573 χ^2/NDF:3.2/3

Left: 154.160+/-49.228 χ^2/NDF: 11.7/8

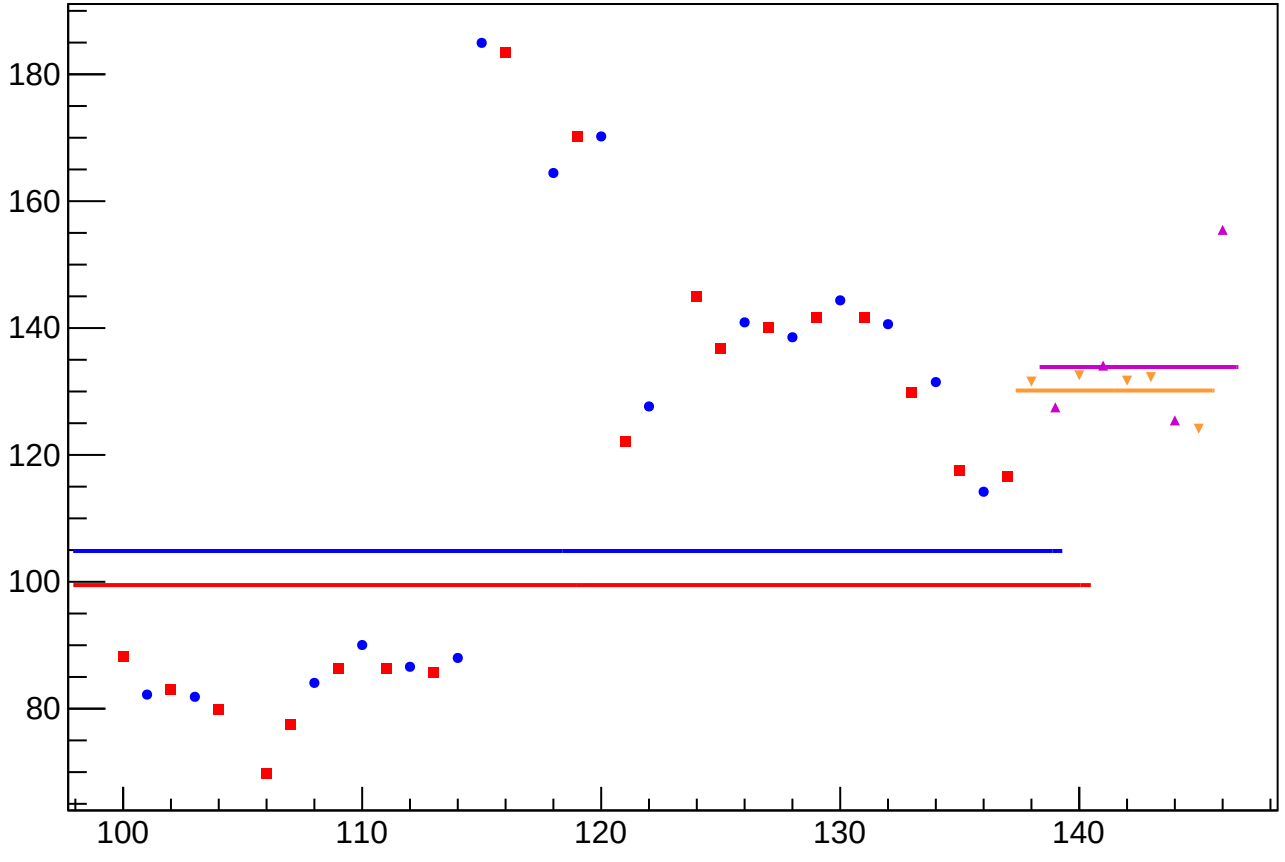
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 28.223+/-35.151 χ^2/NDF:23.2/19

Out: 108.909+/-33.090 χ^2/NDF:26.6/23

All: 71.001+/-24.094 χ^2/NDF: 52.6/43

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 130.152+/-0.048 χ^2/NDF:5074.5/4

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

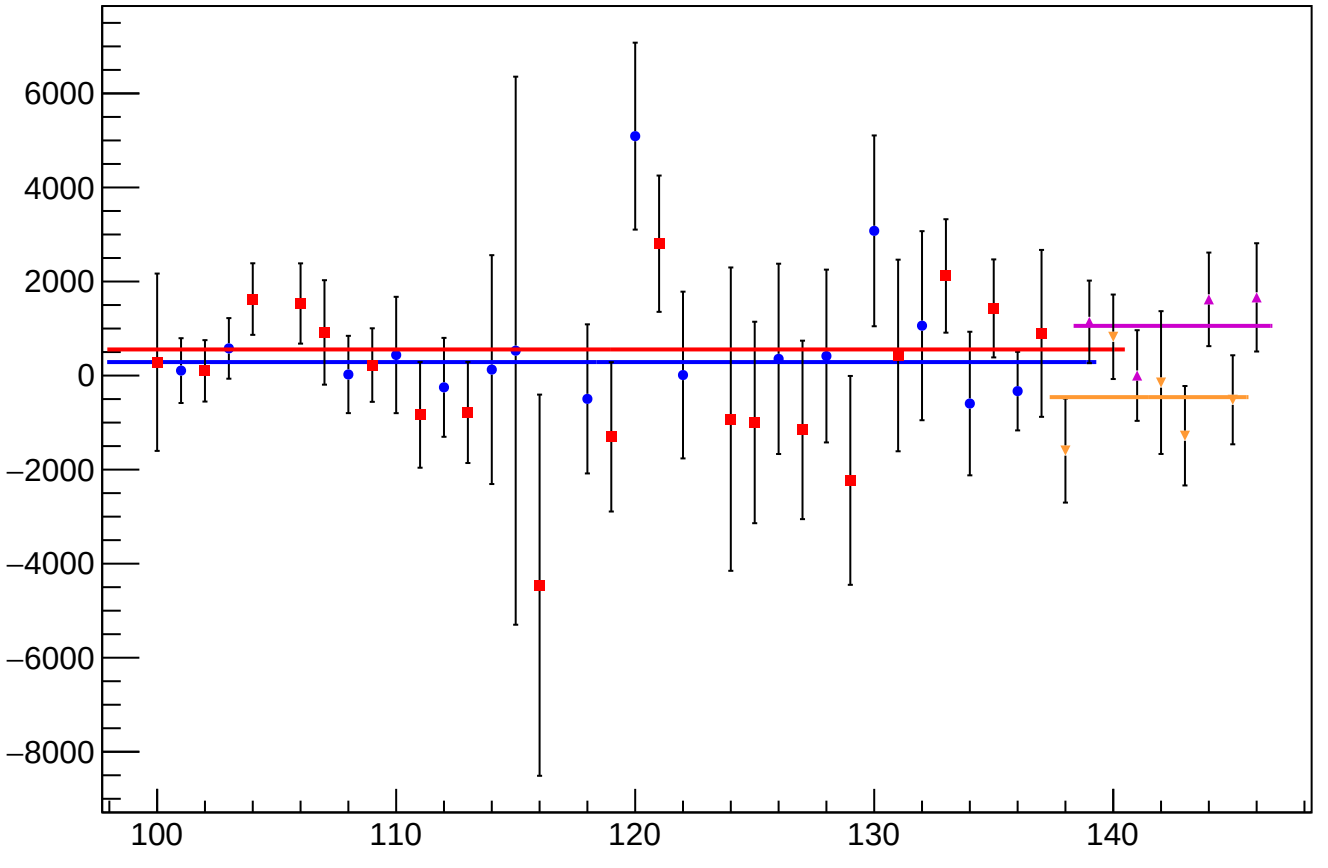
Left: 131.905+/-0.035 χ^2/NDF: 54726.5/8

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 111.854+/-0.025 χ^2/NDF:1227162.4/19

Out: 106.785+/-0.023 χ^2/NDF:1357940.0/23

All: 109.167+/-0.017 χ^2/NDF: 2607150.6/43



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -458.641+/-471.421 χ^2/NDF:3.7/4

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 1056.934+/-491.510 χ^2/NDF:1.8/3

Left: 267.543+/-340.225 χ^2/NDF: 10.5/8

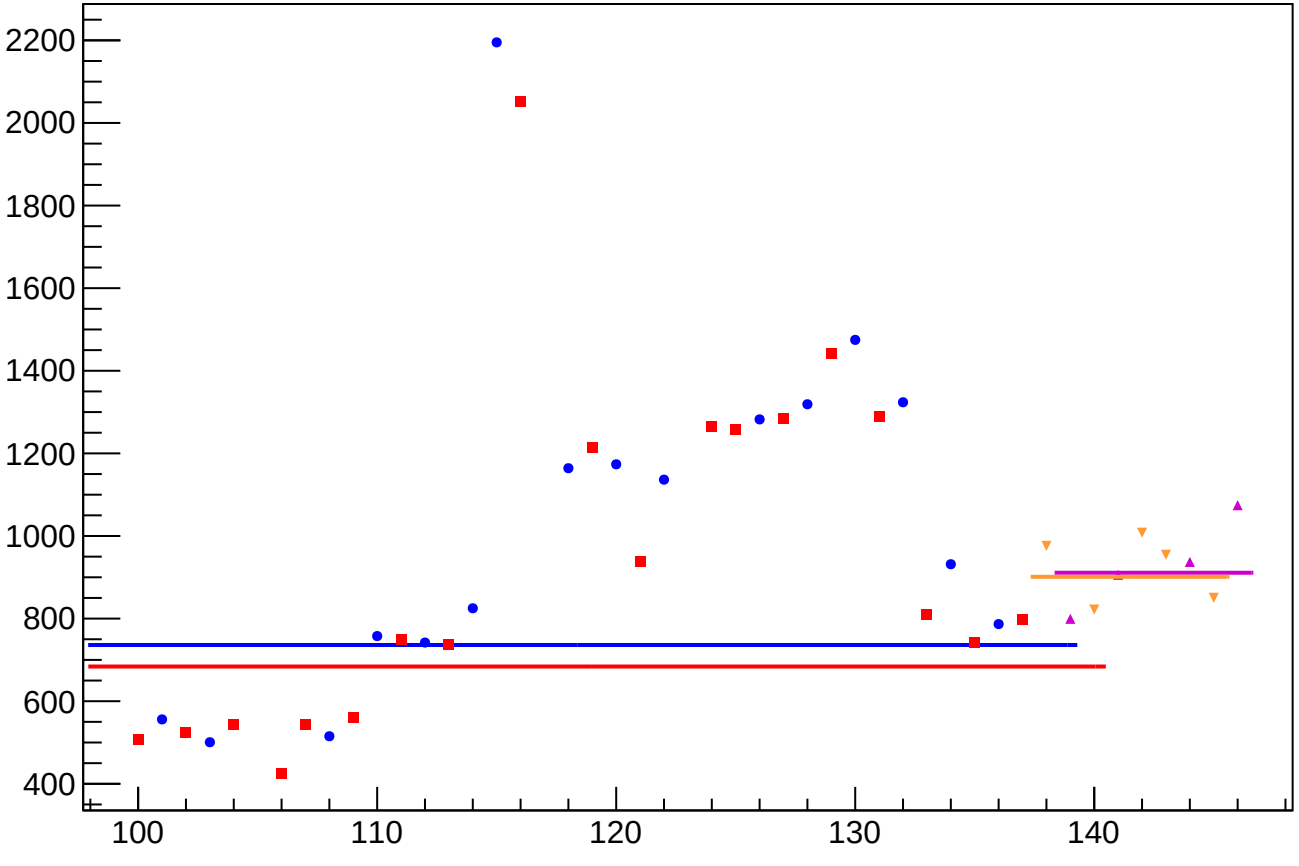
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 489.289+/-251.975 χ^2/NDF:13.3/19

Out: 305.021+/-234.263 χ^2/NDF:25.3/23

All: 390.452+/-171.569 χ^2/NDF: 38.9/43

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 901.195+/-0.333 χ^2/NDF:45491.8/4

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 911.019+/-0.348 χ^2/NDF:74074.8/3

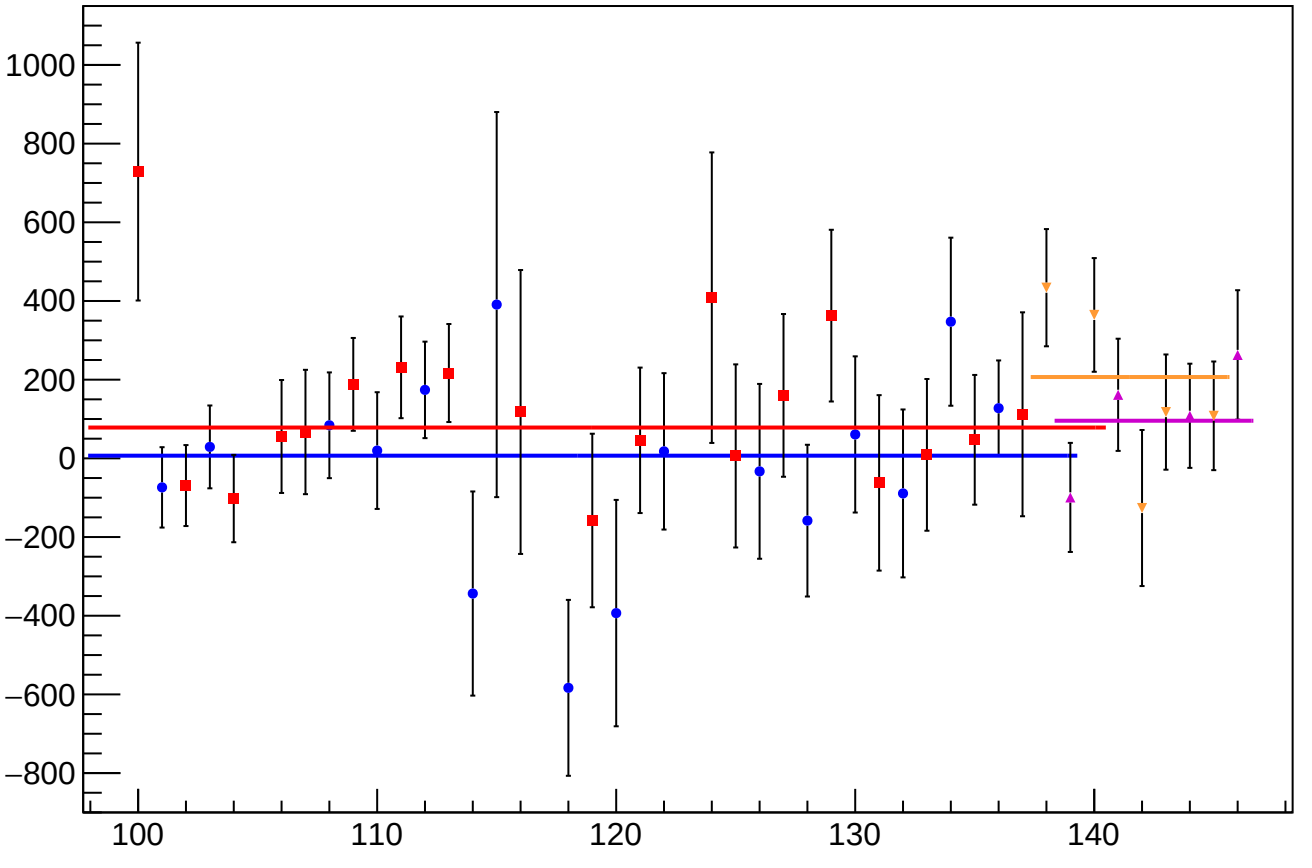
Left: 905.902+/-0.241 χ^2/NDF: 119982.8/8

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 782.059+/-0.178 χ^2/NDF:2105339.8/19

Out: 737.619+/-0.166 χ^2/NDF:2215650.4/23

All: 758.223+/-0.121 χ^2/NDF: 4354358.2/43



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 206.716+/-67.816 χ^2/NDF:7.2/4

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 95.619+/-71.573 χ^2/NDF:3.2/3

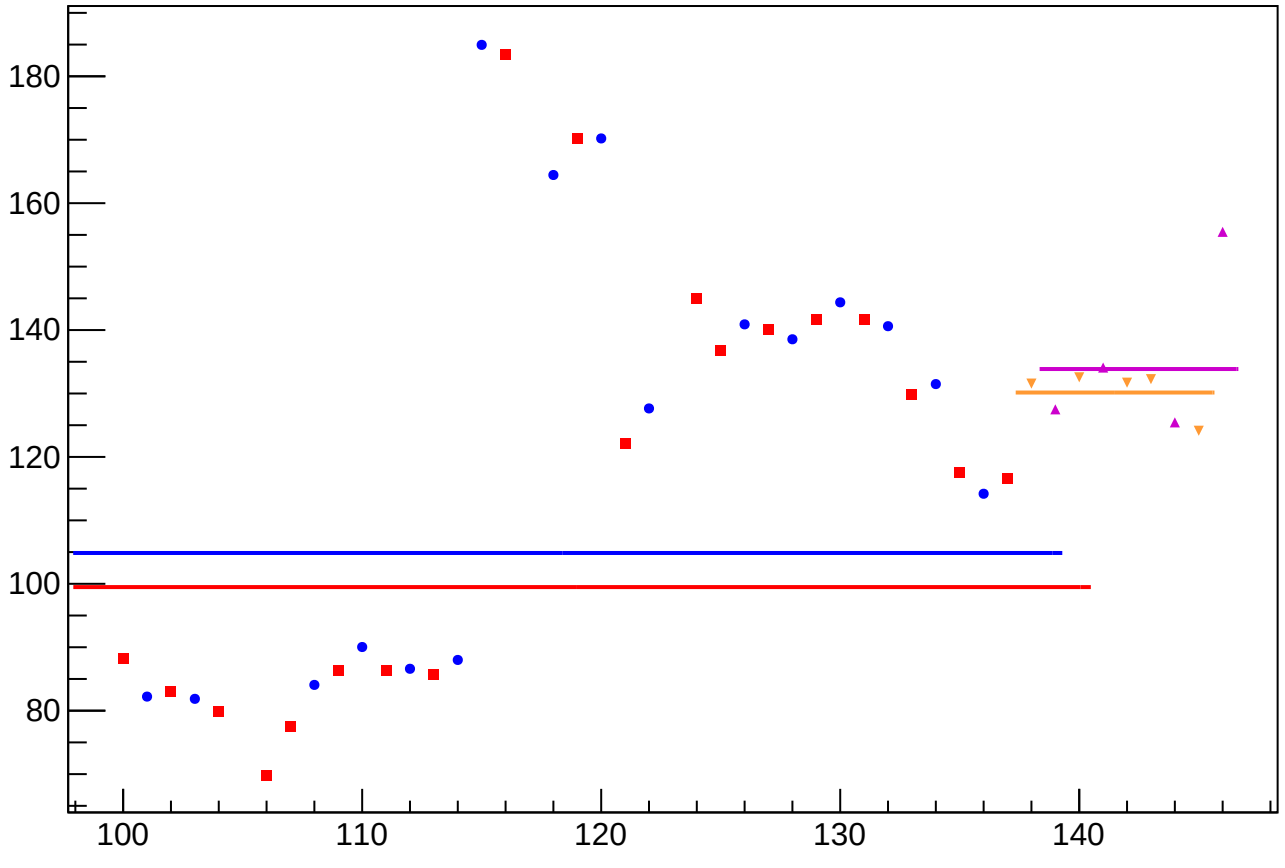
Left: 154.160+/-49.228 χ^2/NDF: 11.7/8

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 28.223+/-35.151 χ^2/NDF:23.2/19

Out: 108.909+/-33.090 χ^2/NDF:26.6/23

All: 71.001+/-24.094 χ^2/NDF: 52.6/43



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 130.152+/-0.048 χ^2/NDF:5074.5/4

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

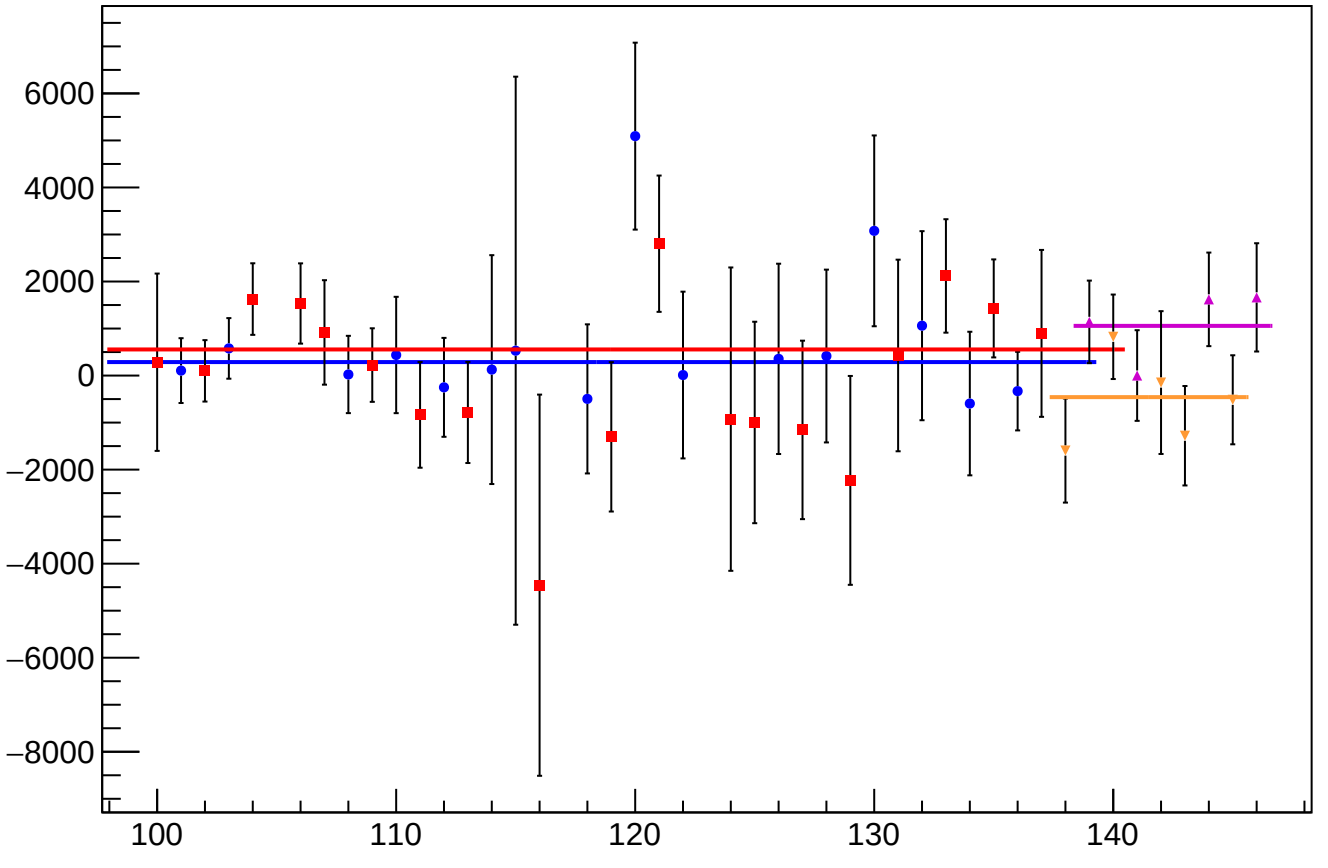
Left: 131.905+/-0.035 χ^2/NDF: 54726.5/8

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 111.854+/-0.025 χ^2/NDF:1227162.4/19

Out: 106.785+/-0.023 χ^2/NDF:1357940.0/23

All: 109.167+/-0.017 χ^2/NDF: 2607150.6/43



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -458.641+/-471.421 χ^2/NDF:3.7/4

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 1056.934+/-491.510 χ^2/NDF:1.8/3

Left: 267.543+/-340.225 χ^2/NDF: 10.5/8

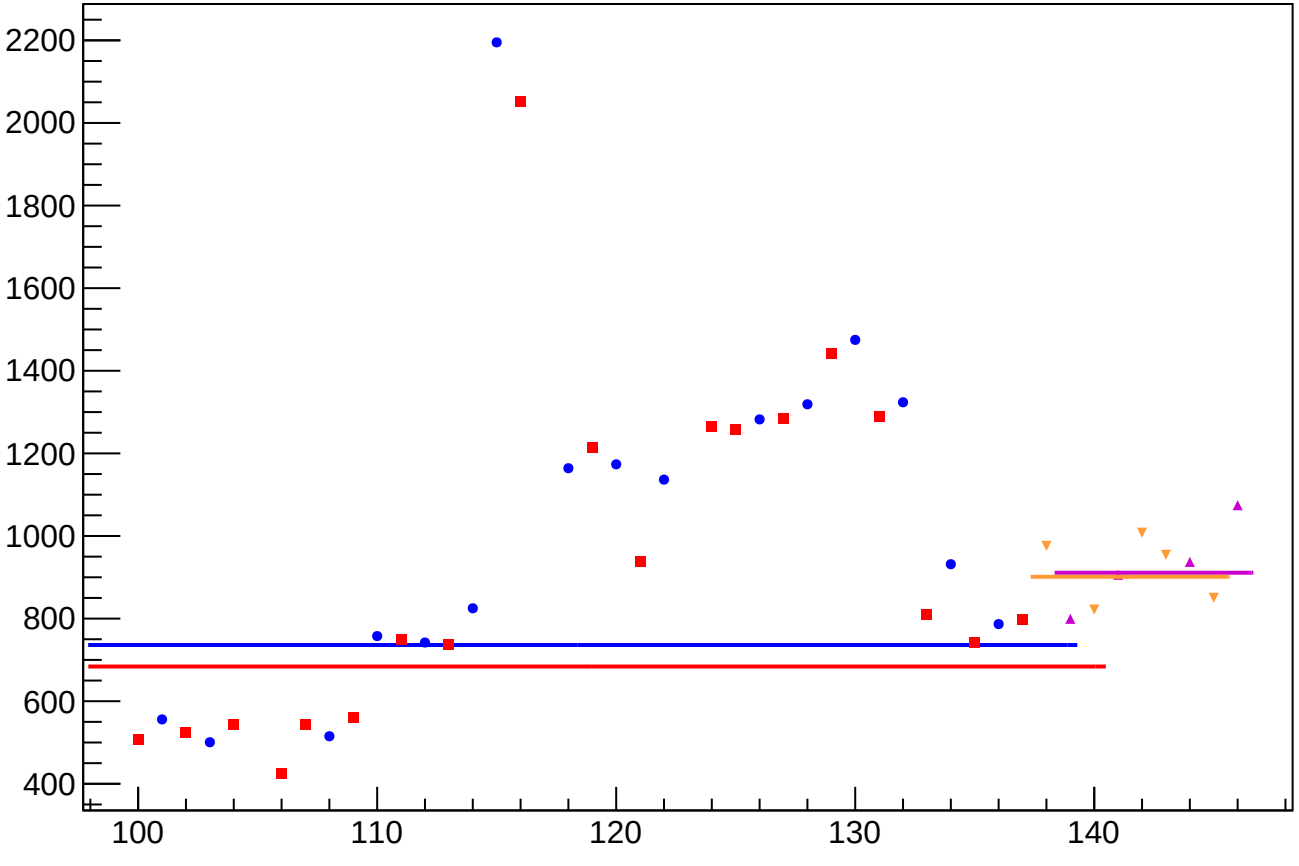
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 489.289+/-251.975 χ^2/NDF:13.3/19

Out: 305.021+/-234.263 χ^2/NDF:25.3/23

All: 390.452+/-171.569 χ^2/NDF: 38.9/43

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 901.195+/-0.333 χ^2/NDF:45491.8/4

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 911.019+/-0.348 χ^2/NDF:74074.8/3

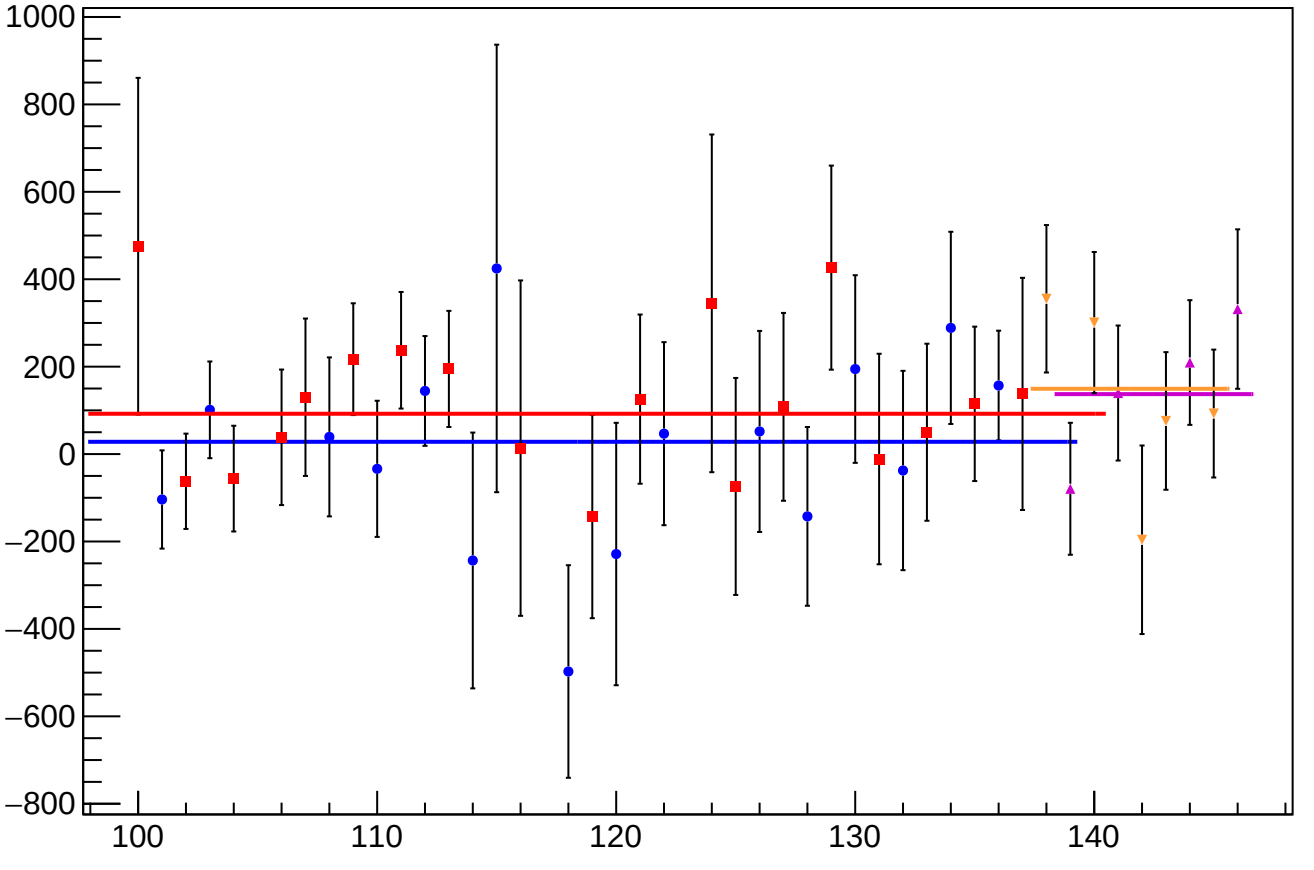
Left: 905.902+/-0.241 χ^2/NDF: 119982.8/8

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 782.059+/-0.178 χ^2/NDF:2105339.8/19

Out: 737.619+/-0.166 χ^2/NDF:2215650.4/23

All: 758.223+/-0.121 χ^2/NDF: 4354358.2/43



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 149.413+/-74.111 χ^2/NDF:5.3/4

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 137.168+/-77.850 χ^2/NDF:3.5/3

Left: 143.592+/-53.678 χ^2/NDF: 8.8/8

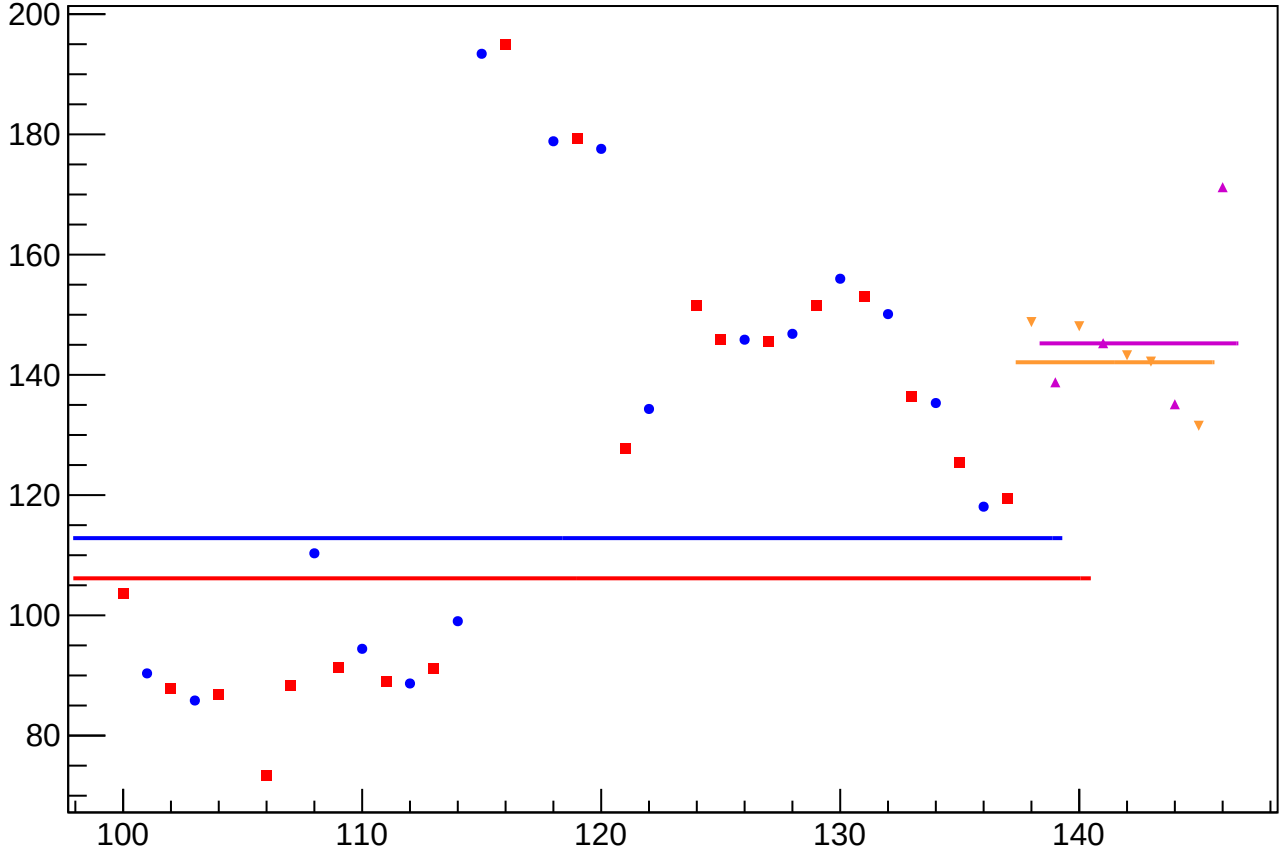
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 53.990+/-37.933 χ^2/NDF:18.5/19

Out: 105.412+/-35.566 χ^2/NDF:17.5/23

All: 81.356+/-25.945 χ^2/NDF: 37.0/43

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 142.096+/-0.052 χ^2/NDF:16377.5/4

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 145.238+/-0.055 χ^2/NDF:54306.3/3

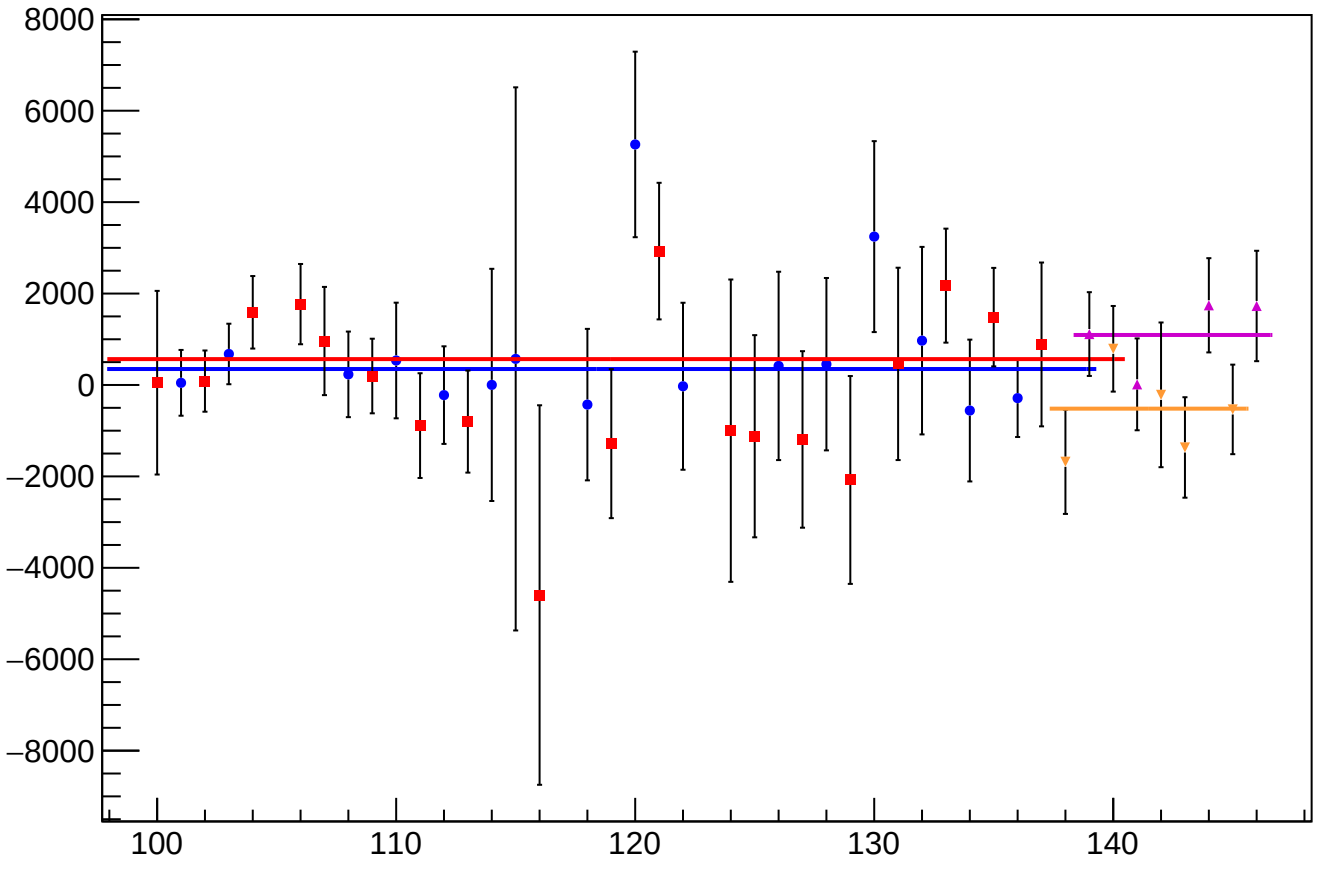
Left: 143.590+/-0.038 χ^2/NDF: 72393.2/8

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 120.534+/-0.027 χ^2/NDF:1190631.0/19

Out: 114.435+/-0.025 χ^2/NDF:1380497.7/23

All: 117.288+/-0.018 χ^2/NDF: 2598643.6/43



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -517.904+/-489.310 χ^2/NDF:3.6/4

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 1093.859+/-512.424 χ^2/NDF:1.8/3

Left: 250.808+/-353.884 χ^2/NDF: 10.6/8

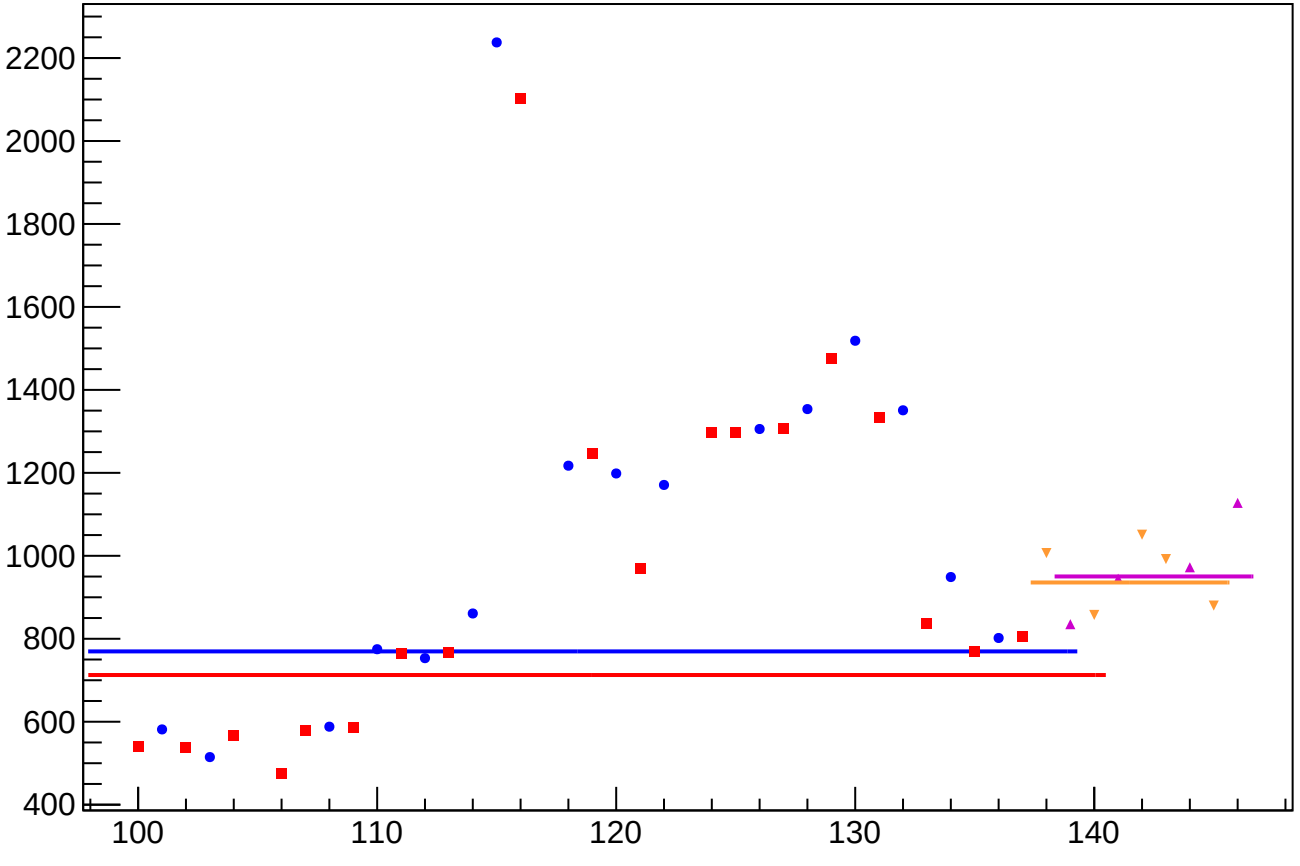
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 544.246+/-262.296 χ^2/NDF:13.2/19

Out: 299.770+/-242.512 χ^2/NDF:25.6/23

All: 412.442+/-178.066 χ^2/NDF: 39.3/43

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 935.704+/-0.346 χ^2/NDF:44001.6/4

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 950.230+/-0.362 χ^2/NDF:75665.0/3

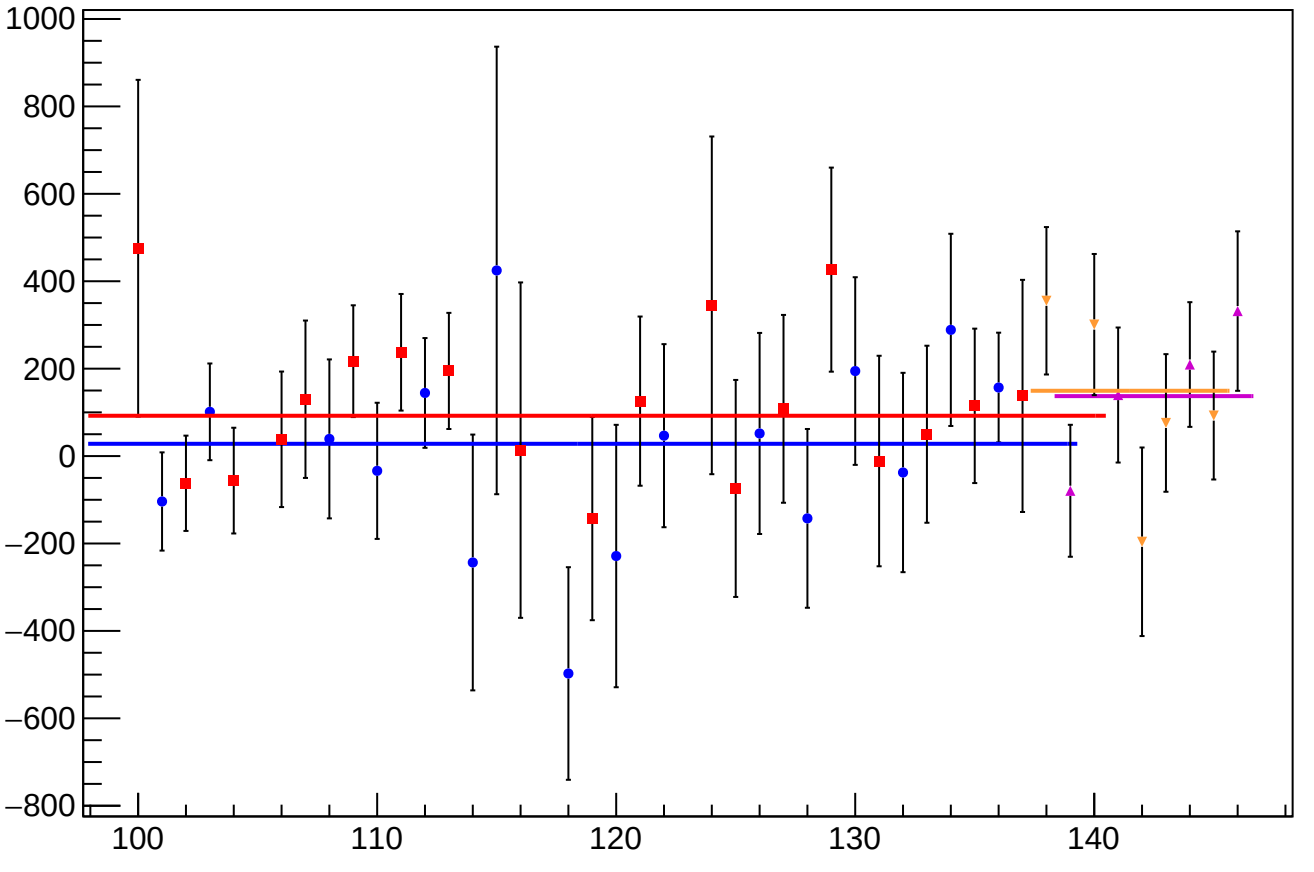
Left: 942.632+/-0.250 χ^2/NDF: 120507.4/8

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 816.896+/-0.185 χ^2/NDF:1999089.5/19

Out: 767.425+/-0.171 χ^2/NDF:2124804.3/23

All: 790.225+/-0.126 χ^2/NDF: 4162251.3/43



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 149.414+/-74.111 χ^2/NDF:5.3/4

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 137.169+/-77.851 χ^2/NDF:3.5/3

Left: 143.593+/-53.678 χ^2/NDF: 8.8/8

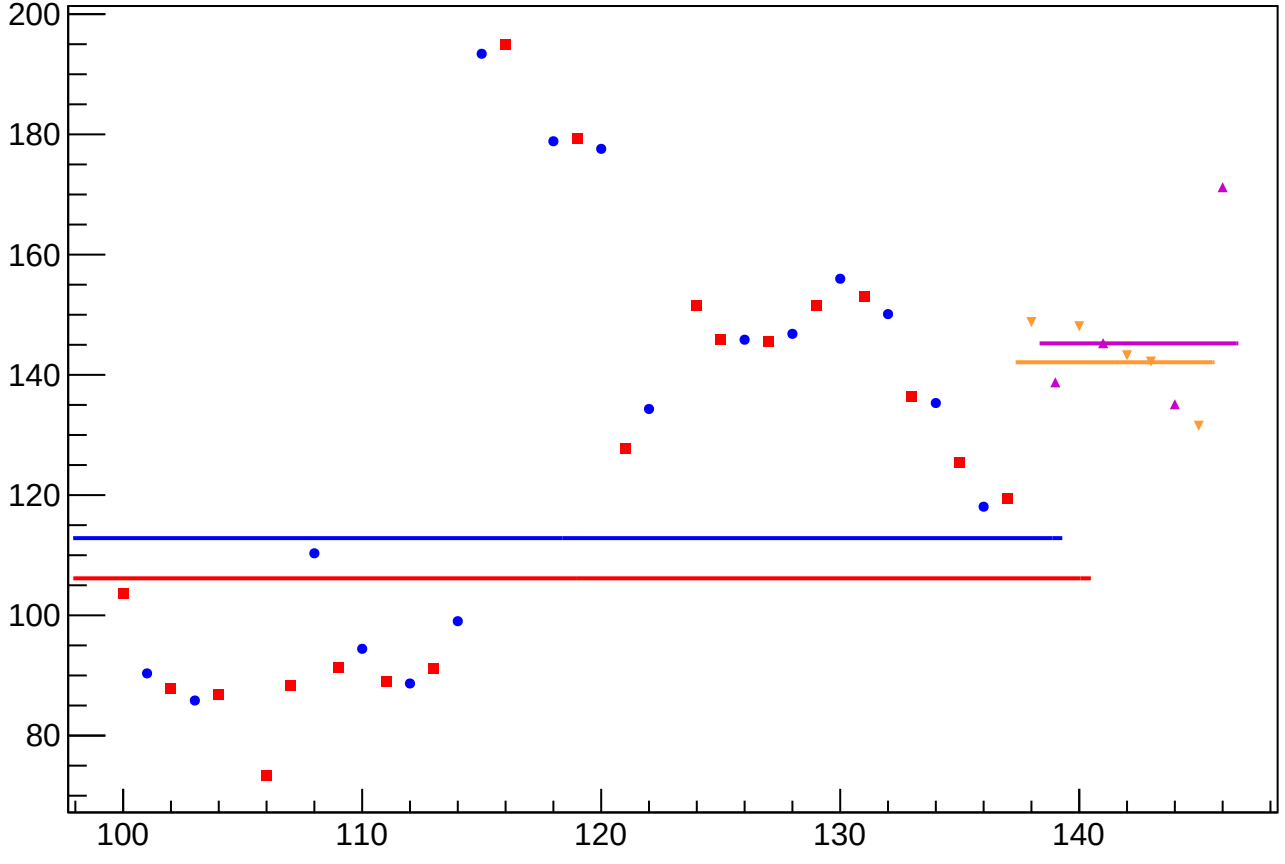
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 53.990+/-37.933 χ^2/NDF:18.5/19

Out: 105.413+/-35.566 χ^2/NDF:17.5/23

All: 81.356+/-25.945 χ^2/NDF: 37.0/43

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 142.096+/-0.052 χ^2/NDF:16379.1/4

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 145.239+/-0.055 χ^2/NDF:54307.4/3

Left: 143.590+/-0.038 χ^2/NDF: 72396.1/8

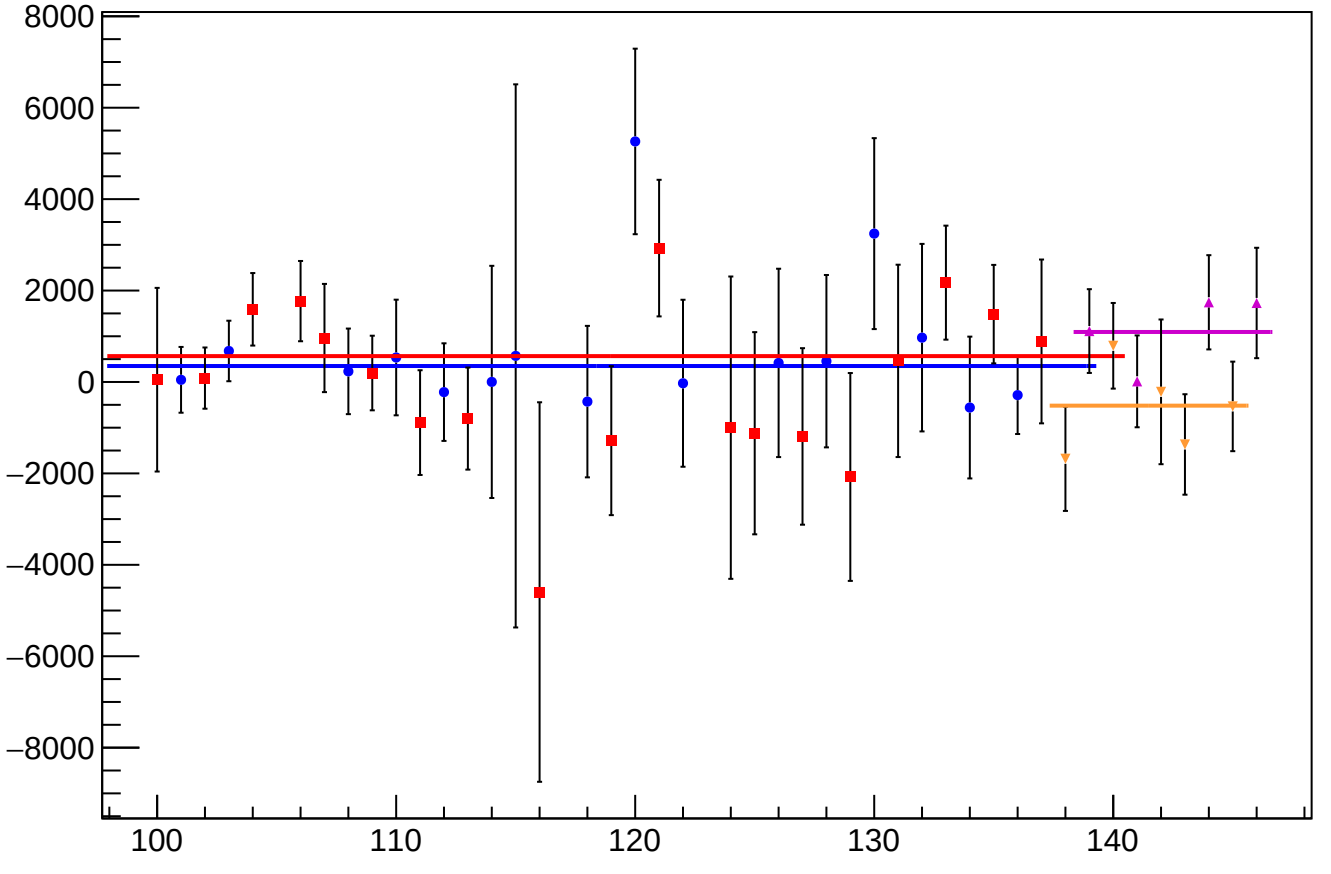
Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 120.534+/-0.027 χ^2/NDF:1190638.9/19

Out: 114.435+/-0.025 χ^2/NDF:1380496.9/23

All: 117.288+/-0.018 χ^2/NDF: 2598650.6/43

asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -517.904+/-489.311 χ^2/NDF:3.6/4

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 1093.863+/-512.425 χ^2/NDF:1.8/3

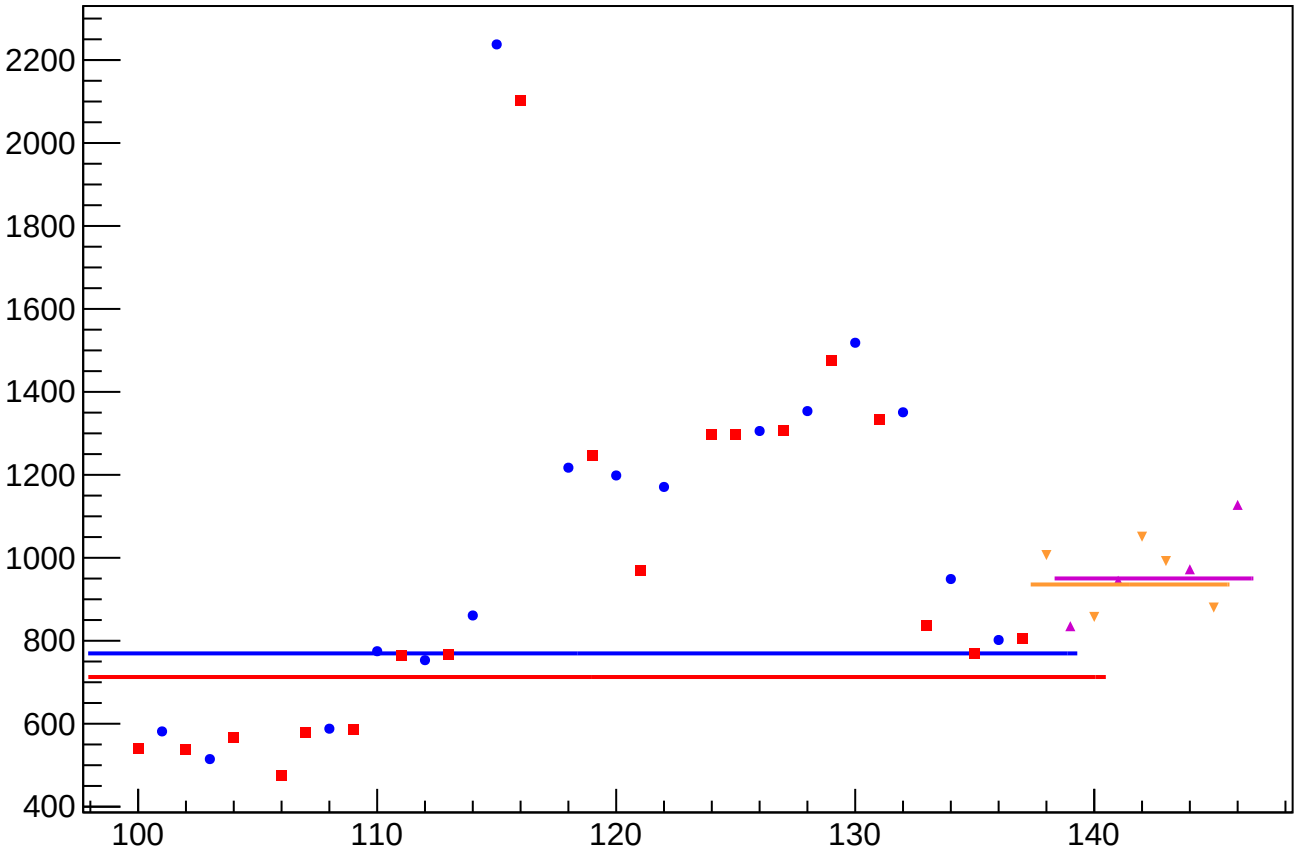
Left: 250.809+/-353.884 χ^2/NDF: 10.6/8

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 544.245+/-262.295 χ^2/NDF:13.2/19

Out: 299.771+/-242.512 χ^2/NDF:25.6/23

All: 412.442+/-178.066 χ^2/NDF: 39.3/43



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 935.705+/-0.346 χ^2/NDF:44001.1/4

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 950.232+/-0.362 χ^2/NDF:75664.9/3

Left: 942.634+/-0.250 χ^2/NDF: 120506.8/8

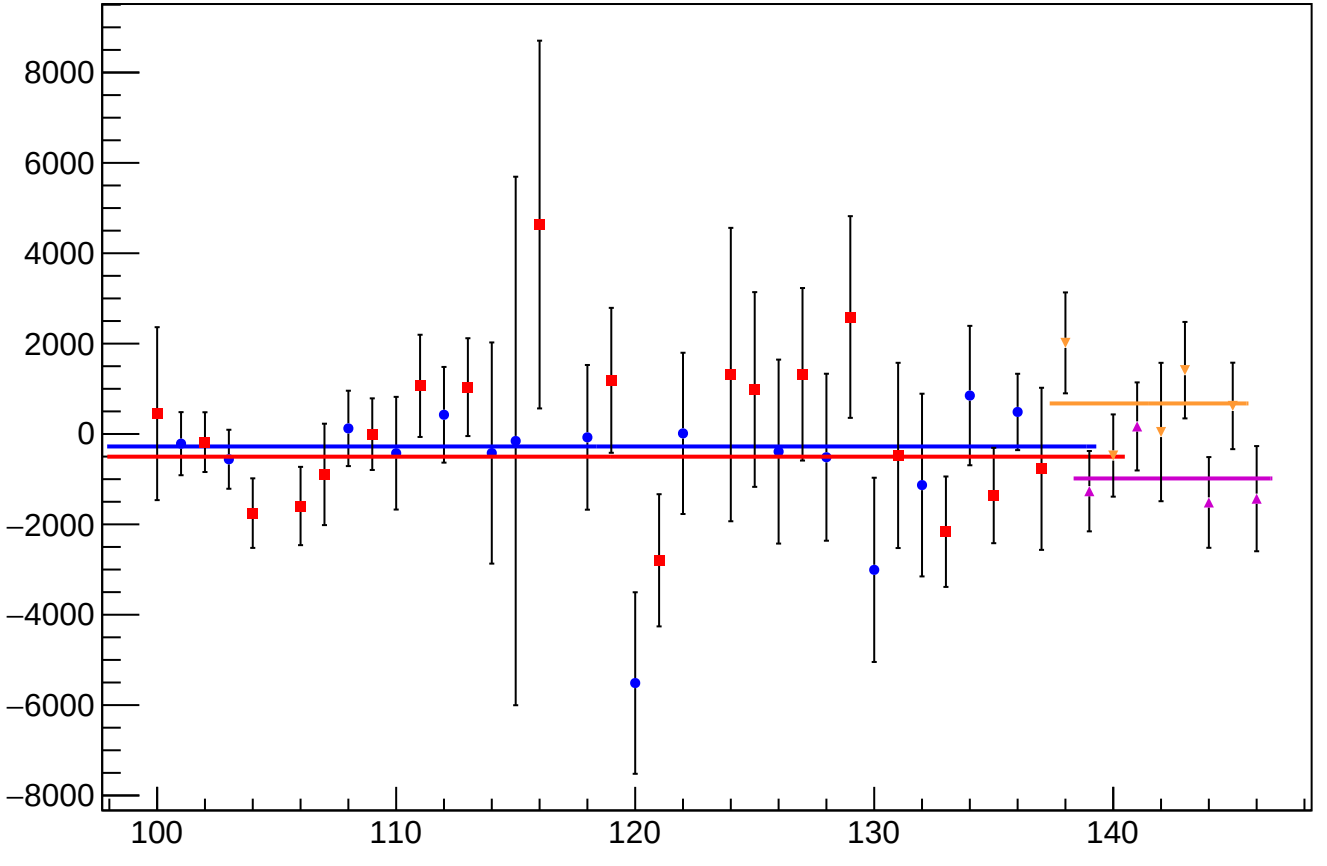
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 816.895+/-0.185 χ^2/NDF:1999092.2/19

Out: 767.424+/-0.171 χ^2/NDF:2124803.7/23

All: 790.224+/-0.126 χ^2/NDF: 4162253.5/43

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 675.909+/-476.448 χ^2/NDF:3.7/4

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -984.124+/-496.998 χ^2/NDF:1.9/3

Left: -119.078+/-343.935 χ^2/NDF: 11.4/8

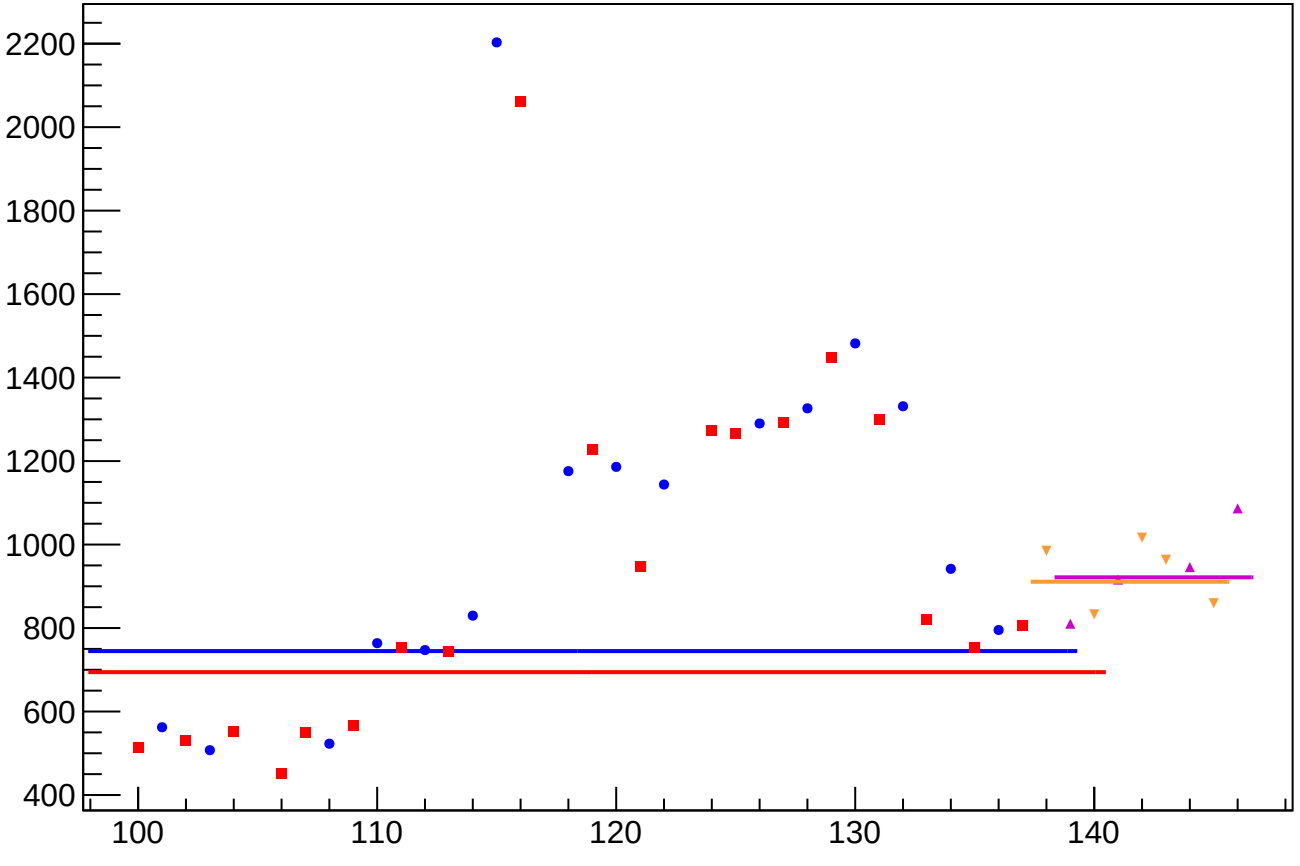
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -462.213+/-254.762 χ^2/NDF:14.5/19

Out: -210.862+/-236.865 χ^2/NDF:28.8/23

All: -327.399+/-173.471 χ^2/NDF: 43.8/43

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 910.968+/-0.337 χ^2/NDF:43733.1/4

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 921.502+/-0.351 χ^2/NDF:72743.6/3

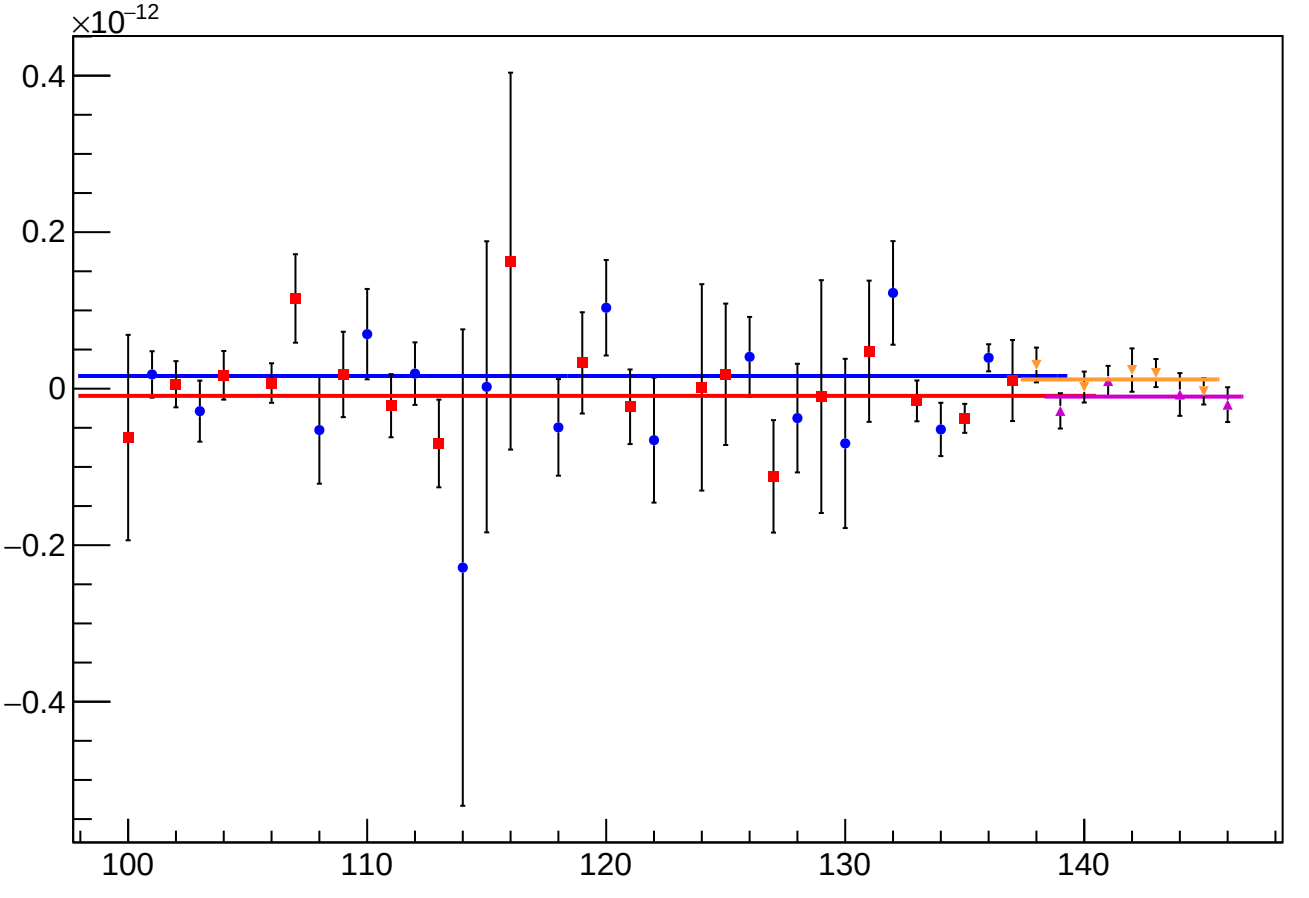
Left: 916.013+/-0.243 χ^2/NDF: 116944.8/8

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 791.217+/-0.180 χ^2/NDF:2081718.4/19

Out: 747.887+/-0.167 χ^2/NDF:2158719.9/23

All: 767.977+/-0.123 χ^2/NDF: 4271469.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/3

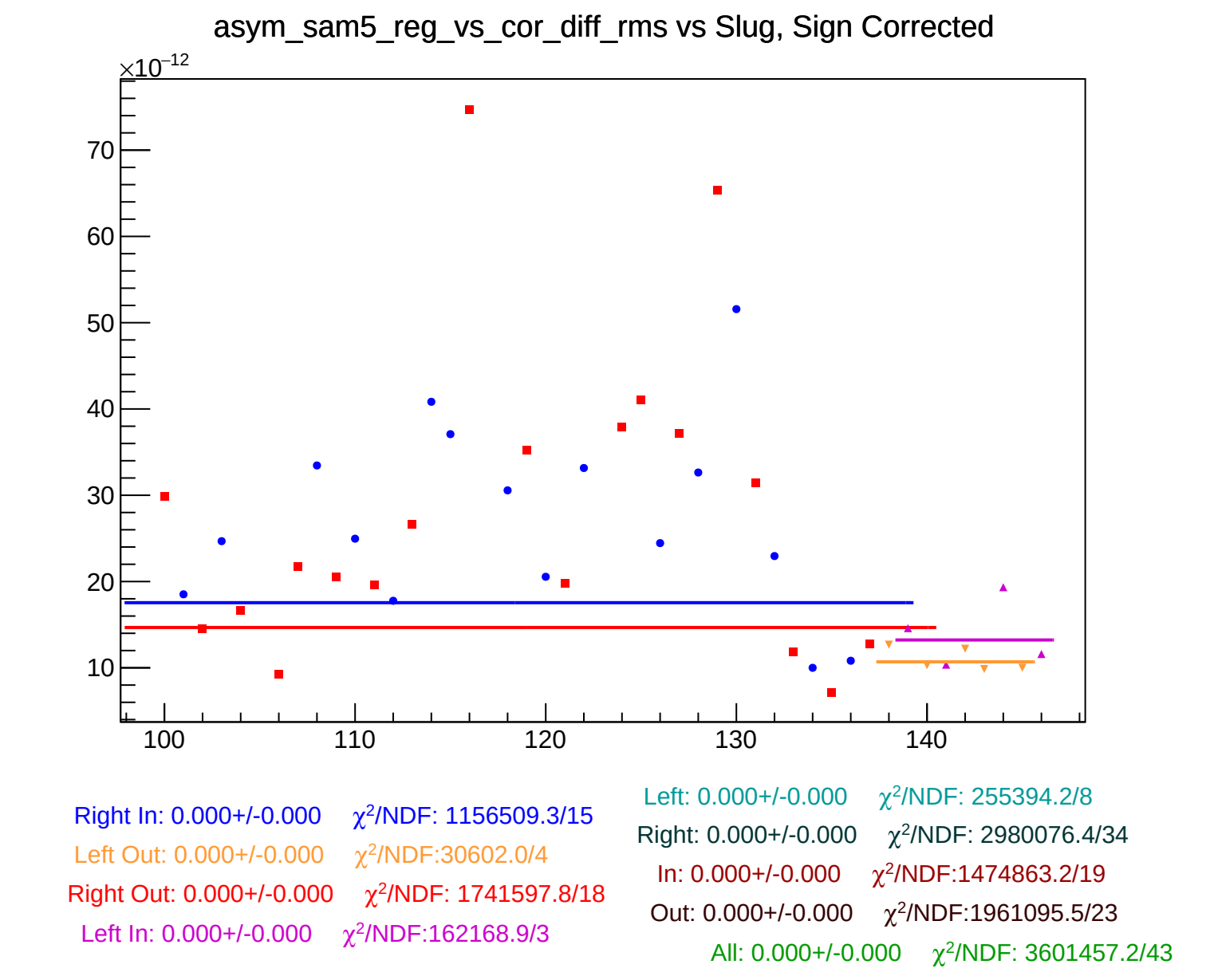
Left: 0.000+/-0.000 χ^2/NDF: 6.4/8

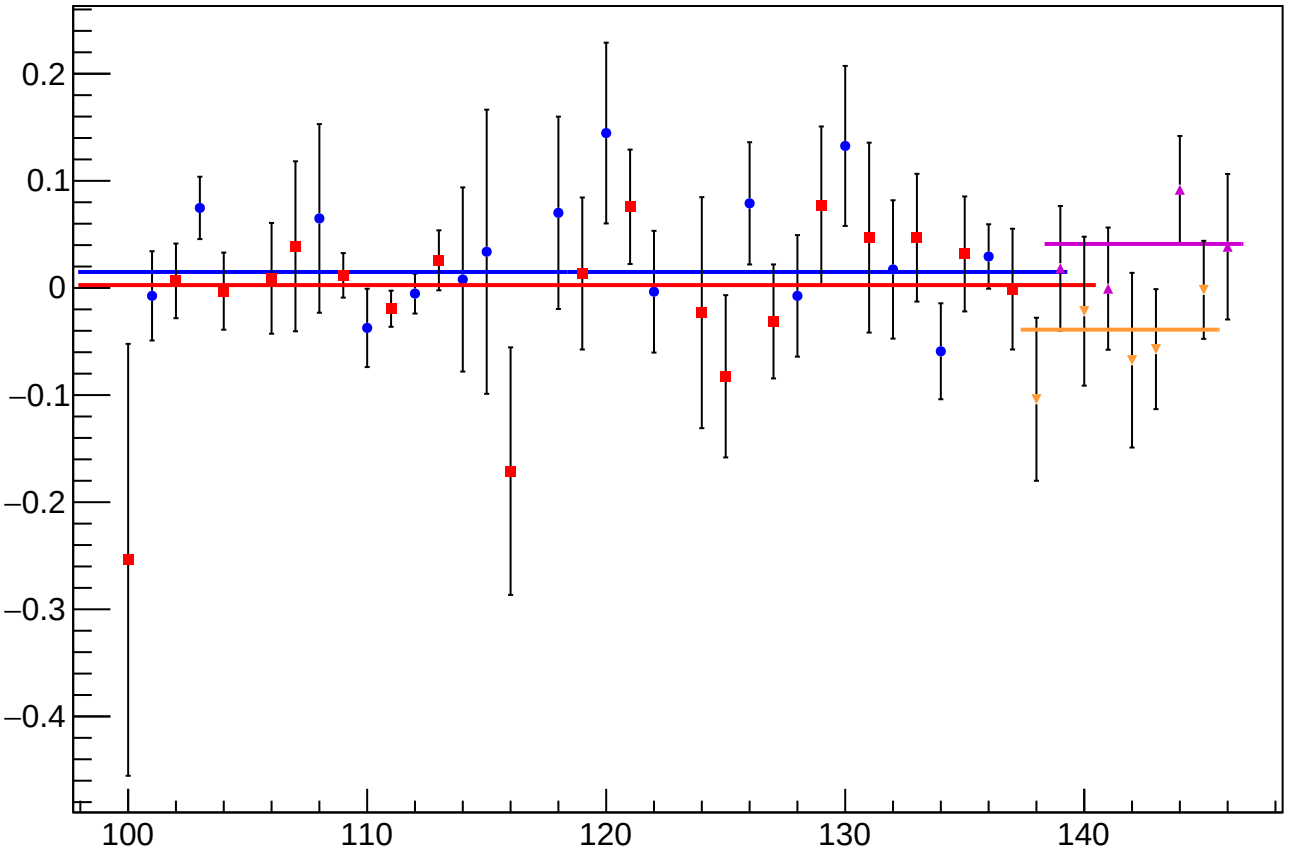
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:22.8/19

Out: 0.000+/-0.000 χ^2/NDF:18.9/23

All: 0.000+/-0.000 χ^2/NDF: 41.7/43


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:30602.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:162168.9/3
Left: 0.000+/-0.000 χ²/NDF: 255394.2/8
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1474863.2/19
Out: 0.000+/-0.000 χ²/NDF:1961095.5/23
All: 0.000+/-0.000 χ²/NDF: 3601457.2/43



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.039+/-0.027 χ^2/NDF:1.7/4

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.041+/-0.029 χ^2/NDF:1.7/3

Left: -0.001+/-0.020 χ^2/NDF: 7.4/8

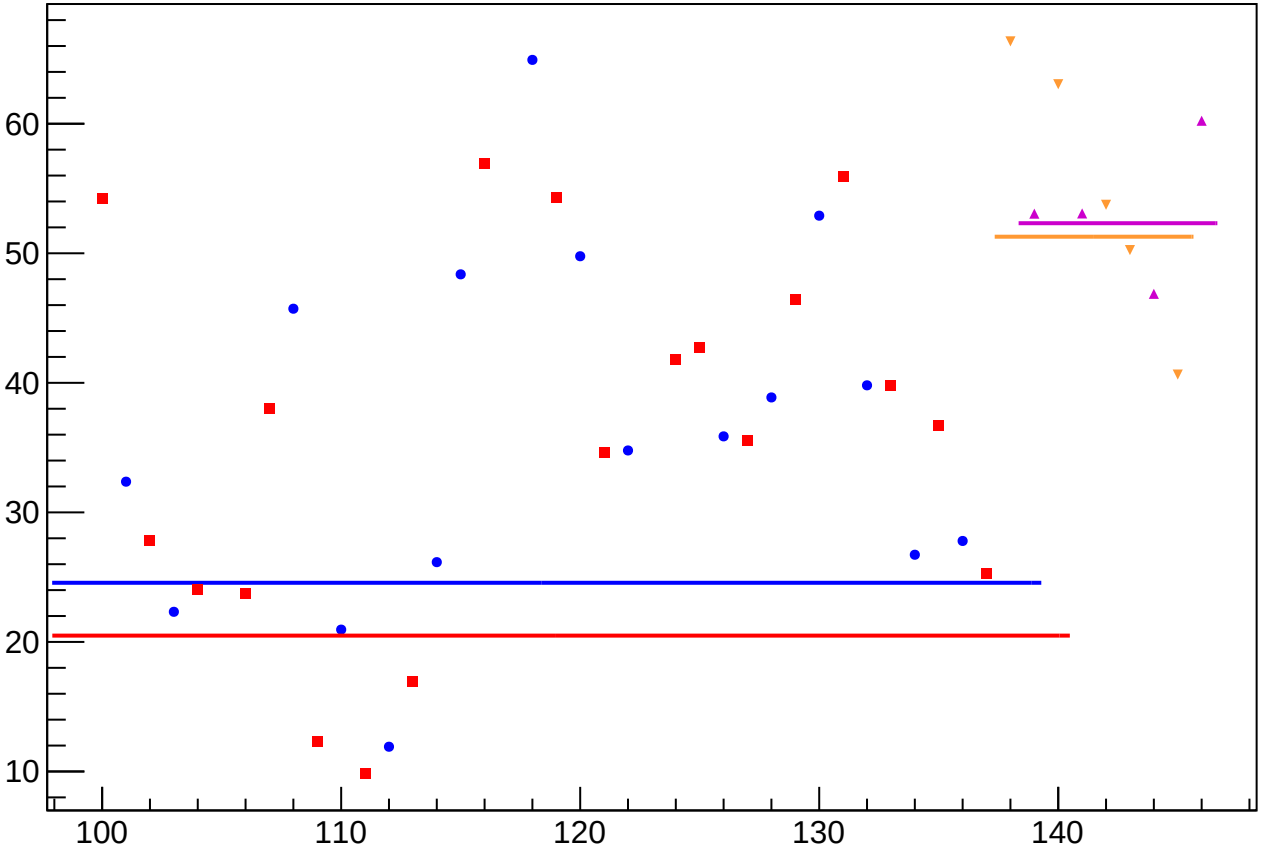
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.2/19

Out: -0.002+/-0.009 χ^2/NDF:16.2/23

All: 0.007+/-0.007 χ^2/NDF: 38.6/43

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 51.280+/-0.019 χ^2/NDF:246495.1/4

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.321+/-0.020 χ^2/NDF:51368.7/3

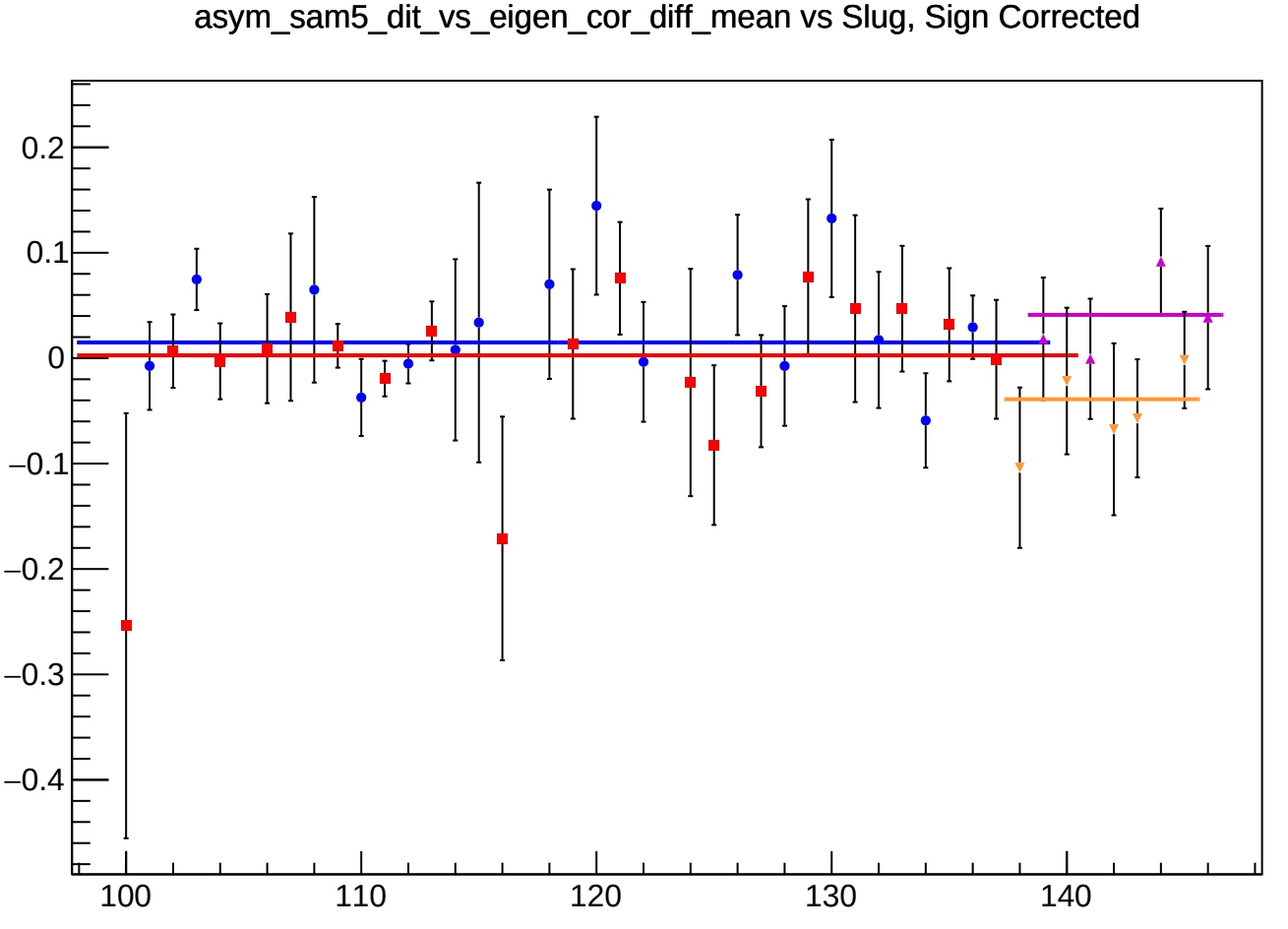
Left: 51.778+/-0.014 χ^2/NDF: 299240.1/8

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 27.897+/-0.007 χ^2/NDF:4185517.0/19

Out: 23.611+/-0.006 χ^2/NDF:6090215.6/23

All: 25.483+/-0.005 χ^2/NDF: 10485510.2/43



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.039+/-0.027 χ^2/NDF:1.7/4

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.041+/-0.029 χ^2/NDF:1.7/3

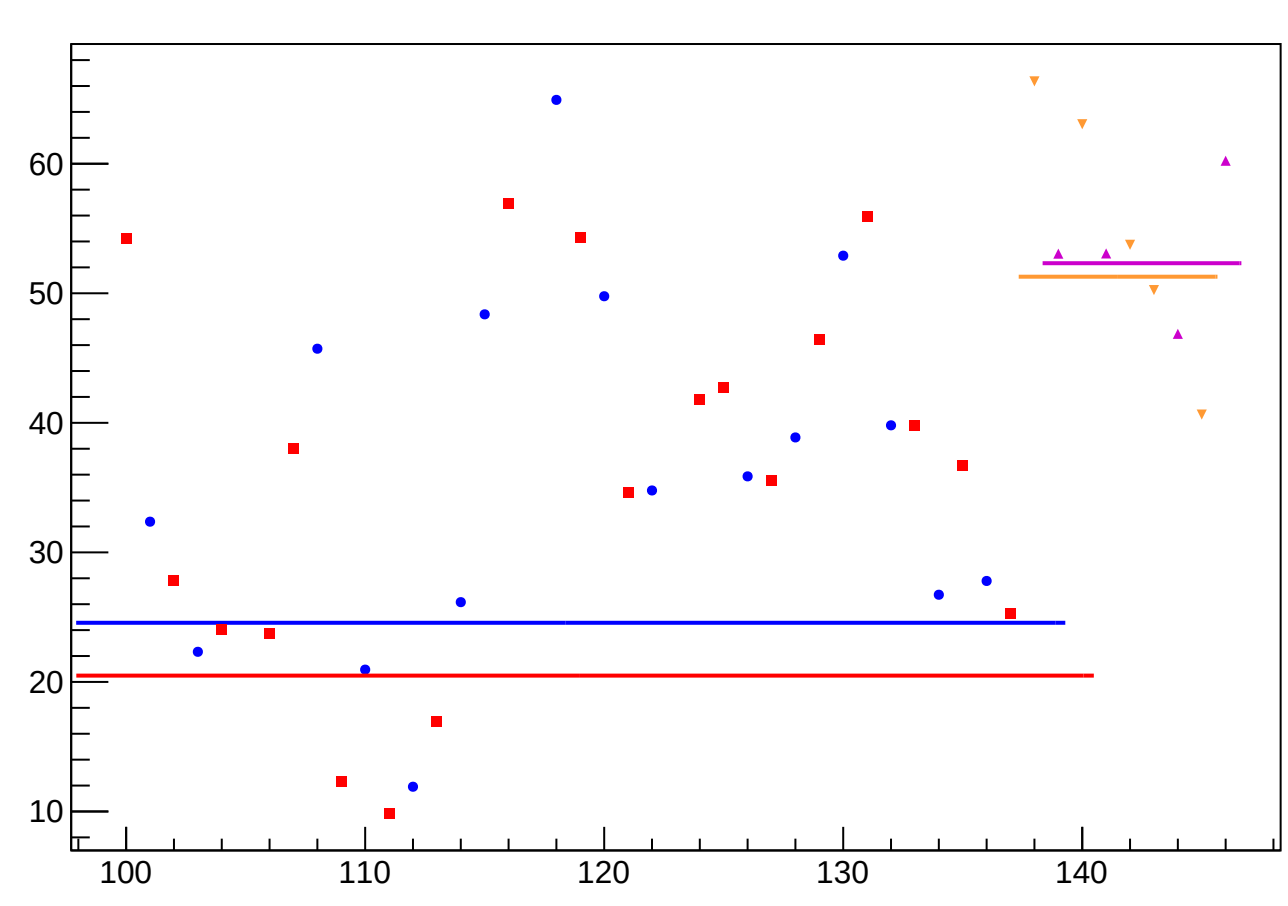
Left: -0.001+/-0.020 χ^2/NDF: 7.4/8

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.2/19

Out: -0.002+/-0.009 χ^2/NDF:16.2/23

All: 0.007+/-0.007 χ^2/NDF: 38.6/43



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 51.280+/-0.019 χ^2/NDF:246495.1/4

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.321+/-0.020 χ^2/NDF:51368.7/3

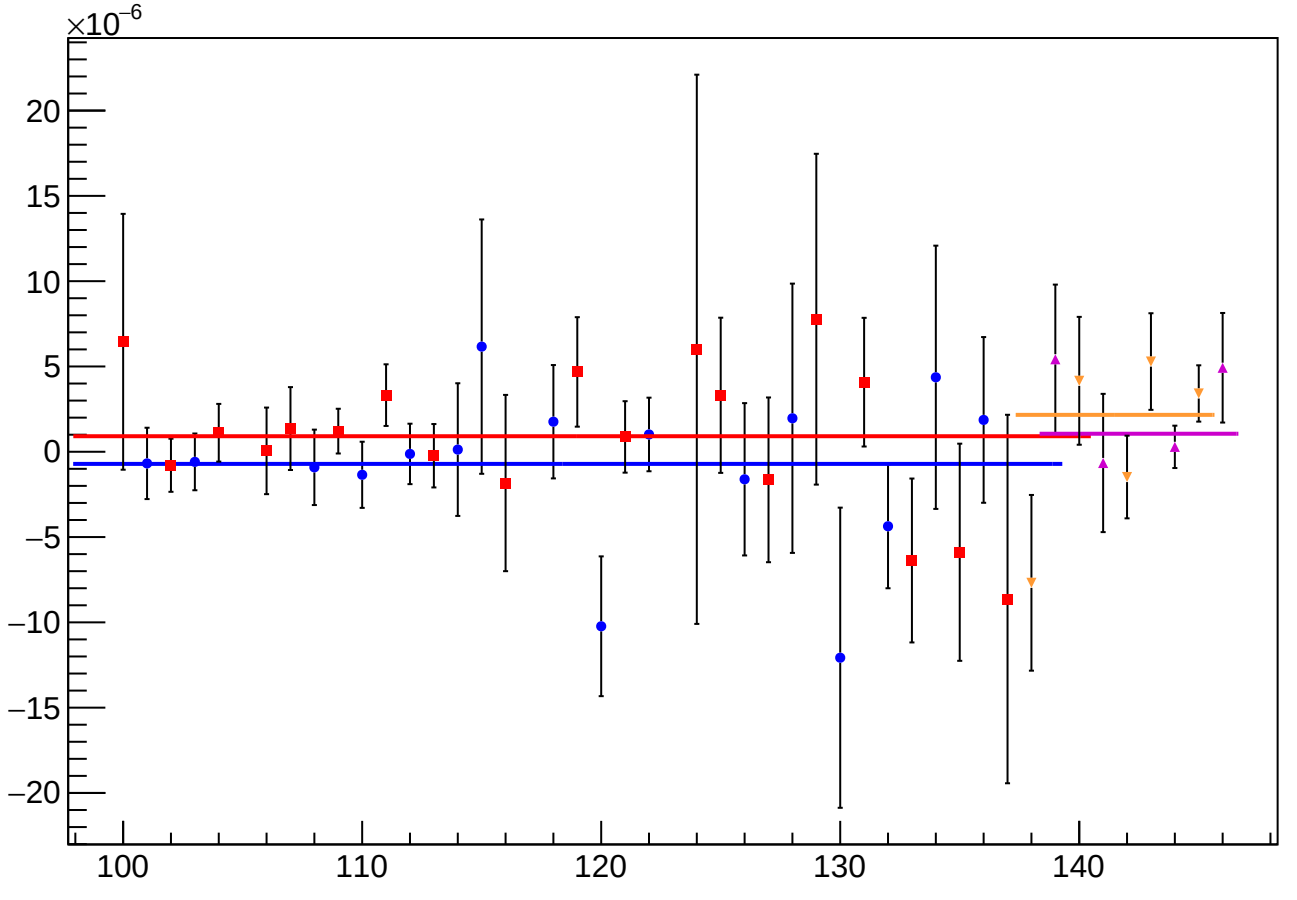
Left: 51.778+/-0.014 χ^2/NDF: 299240.1/8

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 27.897+/-0.007 χ^2/NDF:4185517.0/19

Out: 23.611+/-0.006 χ^2/NDF:6090215.6/23

All: 25.483+/-0.005 χ^2/NDF: 10485510.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/3

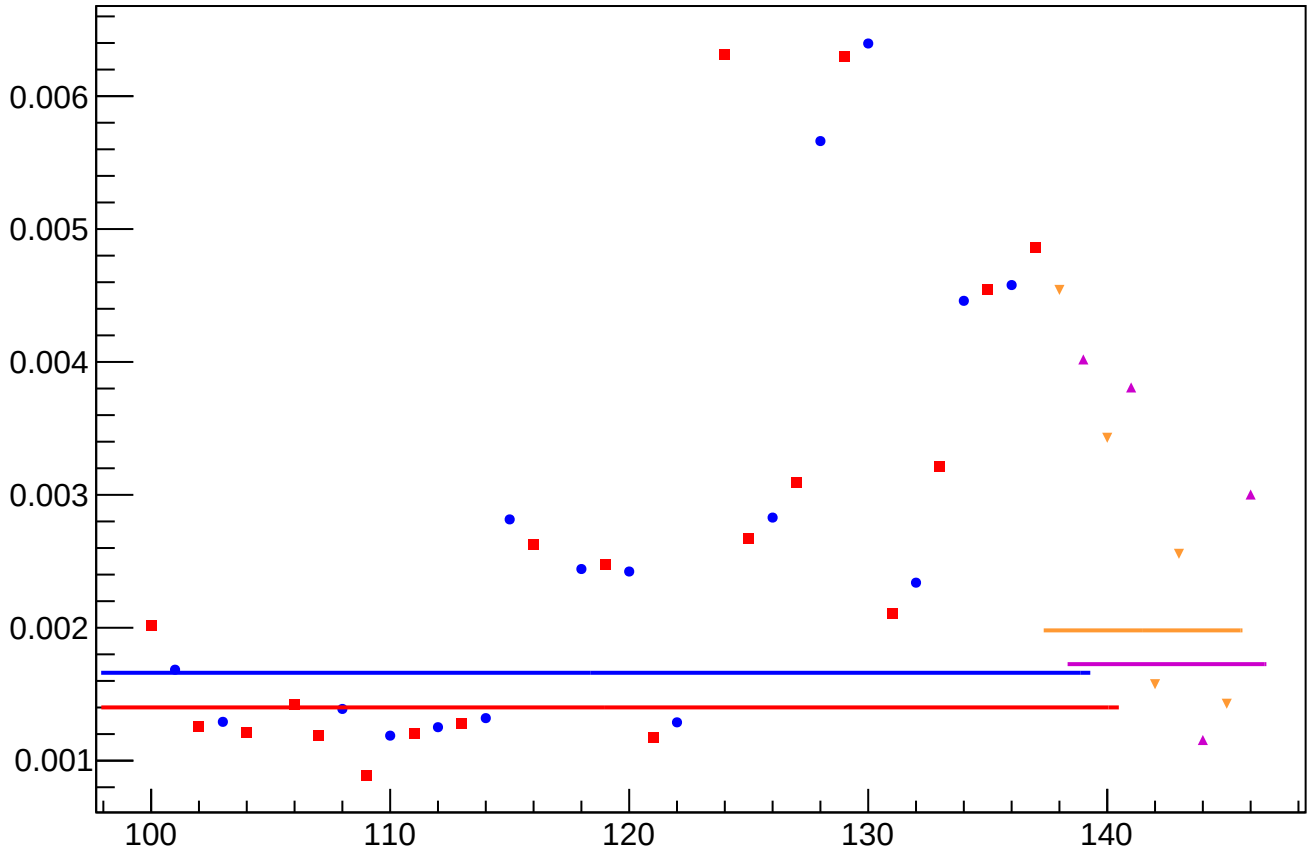
Left: 0.000+/-0.000 χ^2/NDF: 11.5/8

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:16.2/19

Out: 0.000+/-0.000 χ^2/NDF:20.8/23

All: 0.000+/-0.000 χ^2/NDF: 40.0/43



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1156237.3/4

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1815042.3/3

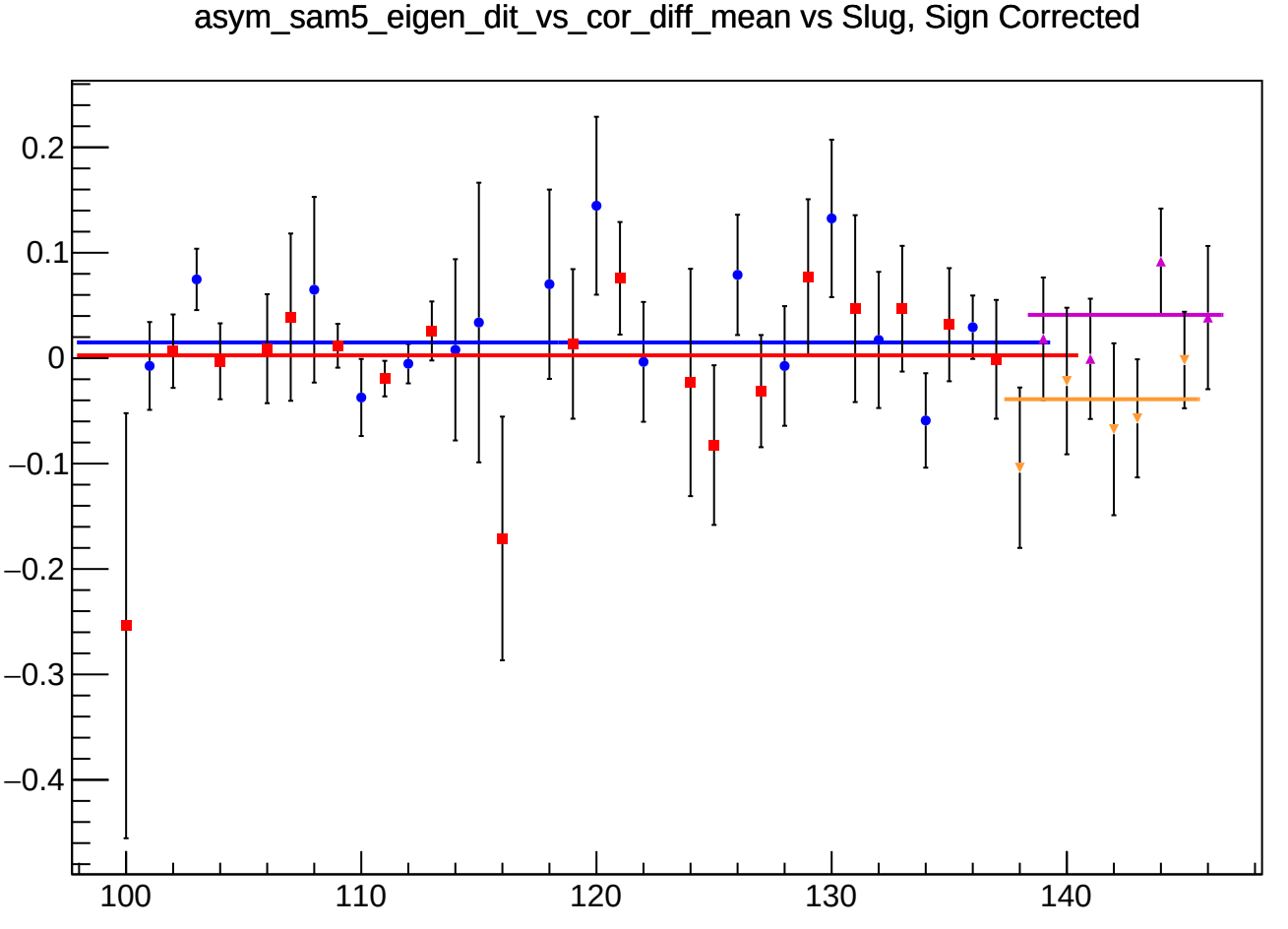
Left: 0.002+/-0.000 χ^2/NDF: 3023662.1/8

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:4762196.0/19

Out: 0.002+/-0.000 χ^2/NDF:4480923.2/23

All: 0.002+/-0.000 χ^2/NDF: 9324003.9/43



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.039+/-0.027 χ^2/NDF:1.7/4

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.041+/-0.029 χ^2/NDF:1.7/3

Left: -0.001+/-0.020 χ^2/NDF: 7.4/8

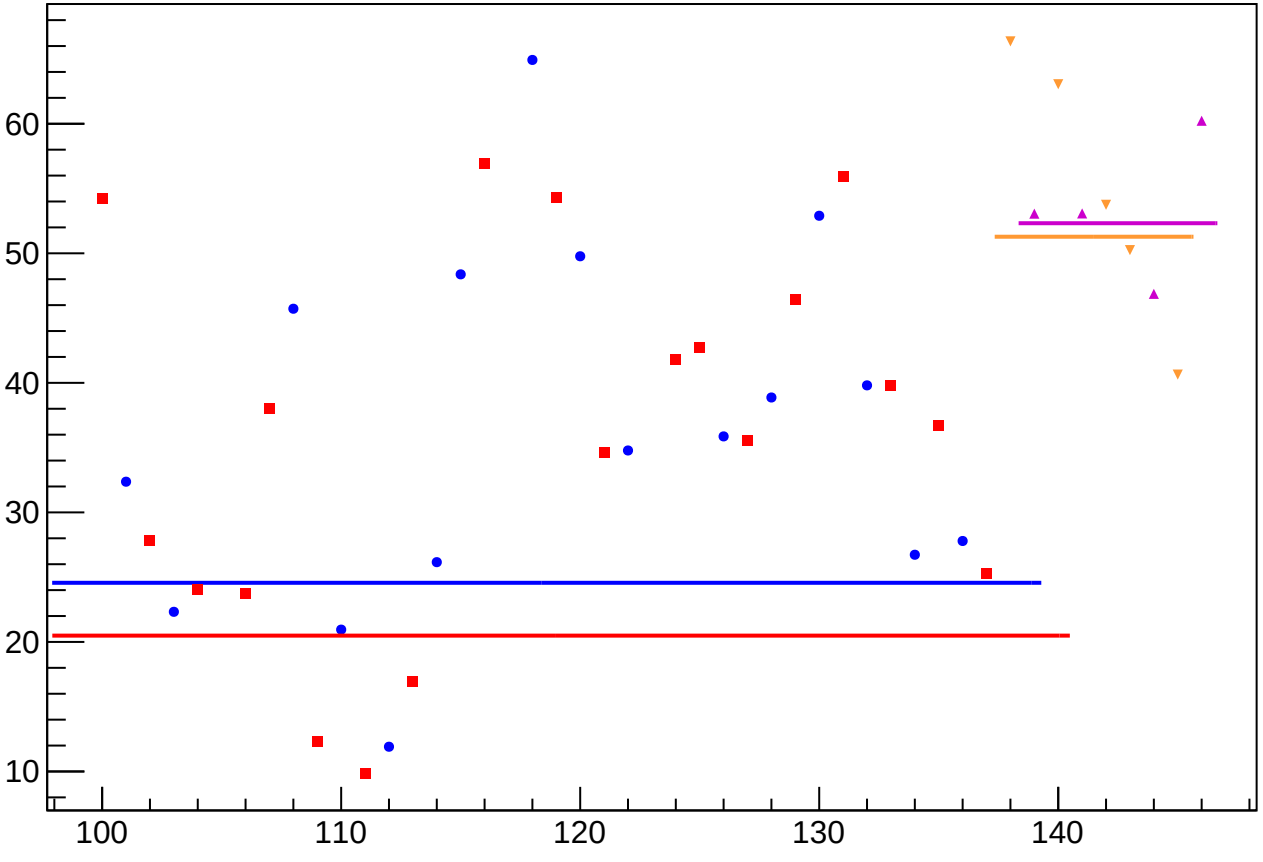
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.2/19

Out: -0.002+/-0.009 χ^2/NDF:16.2/23

All: 0.007+/-0.007 χ^2/NDF: 38.6/43

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 51.280+/-0.019 χ^2/NDF:246534.4/4

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.323+/-0.020 χ^2/NDF:51383.9/3

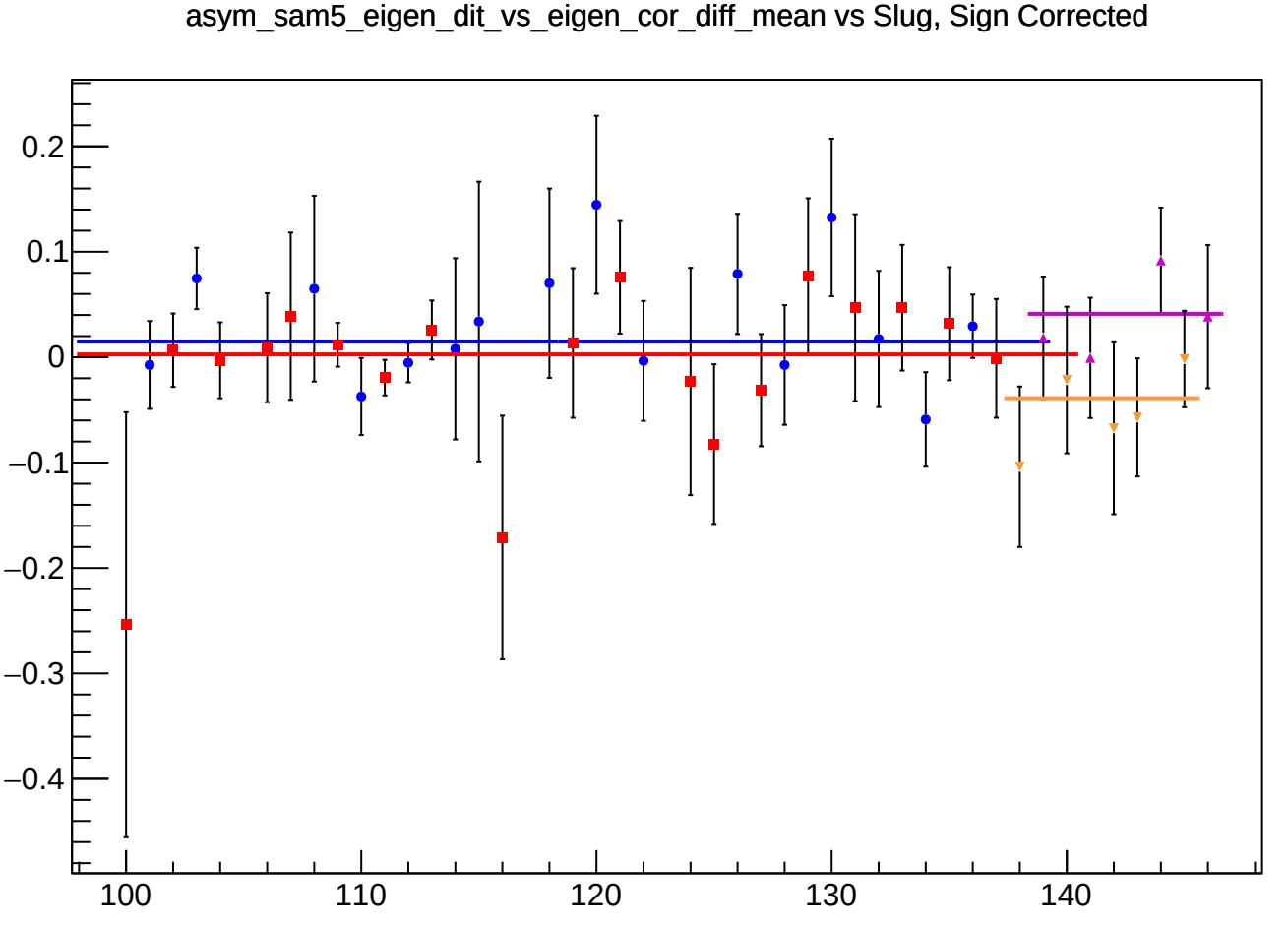
Left: 51.779+/-0.014 χ^2/NDF: 299297.9/8

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 27.896+/-0.007 χ^2/NDF:4185595.0/19

Out: 23.611+/-0.006 χ^2/NDF:6090296.0/23

All: 25.482+/-0.005 χ^2/NDF: 10485681.2/43



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.039+/-0.027 χ^2/NDF:1.7/4

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.041+/-0.029 χ^2/NDF:1.7/3

Left: -0.001+/-0.020 χ^2/NDF: 7.4/8

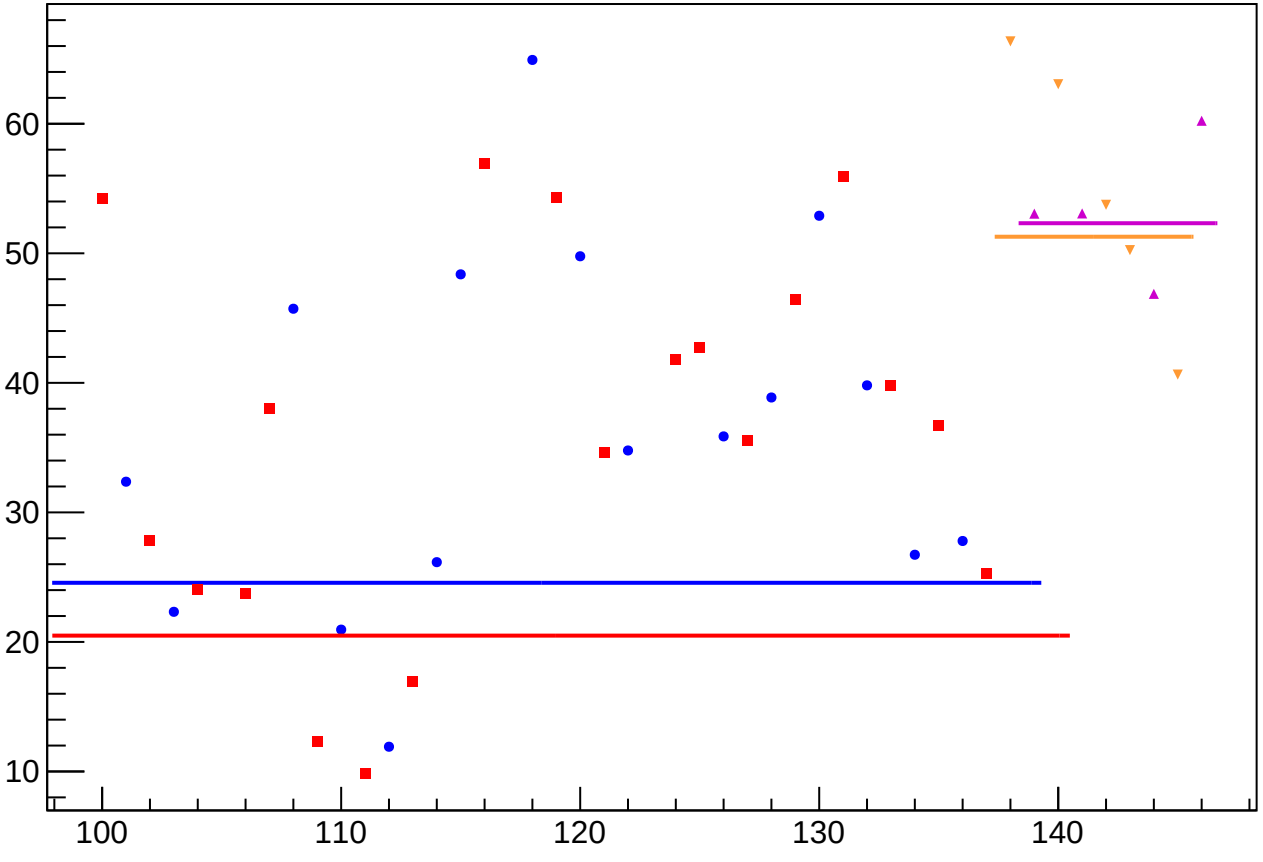
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.2/19

Out: -0.002+/-0.009 χ^2/NDF:16.2/23

All: 0.007+/-0.007 χ^2/NDF: 38.6/43

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: 51.280+/-0.019 χ^2/NDF:246534.4/4

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.323+/-0.020 χ^2/NDF:51383.9/3

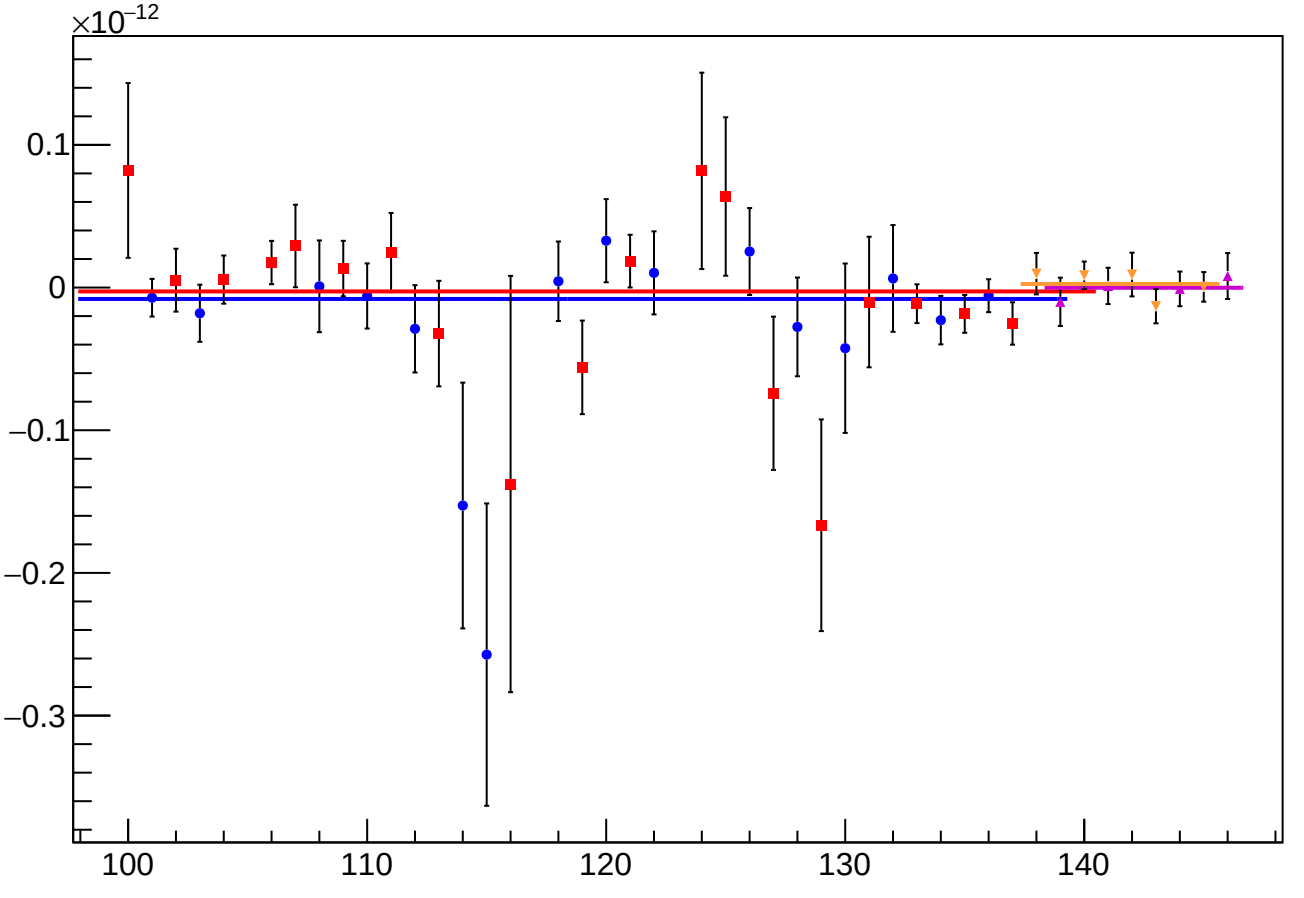
Left: 51.779+/-0.014 χ^2/NDF: 299297.9/8

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 27.896+/-0.007 χ^2/NDF:4185595.0/19

Out: 23.611+/-0.006 χ^2/NDF:6090296.0/23

All: 25.482+/-0.005 χ^2/NDF: 10485681.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

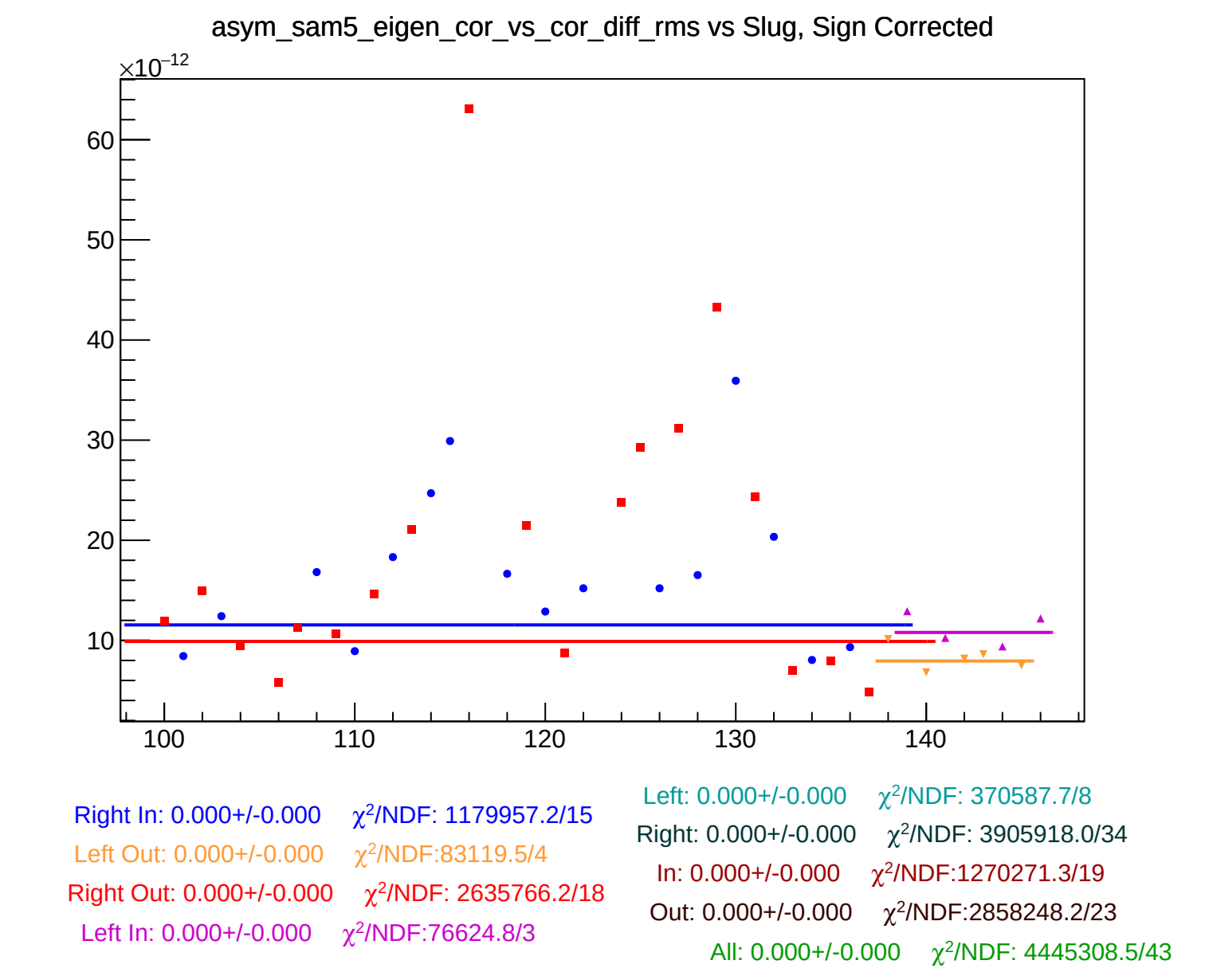
Left: 0.000+/-0.000 χ^2/NDF: 3.3/8

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

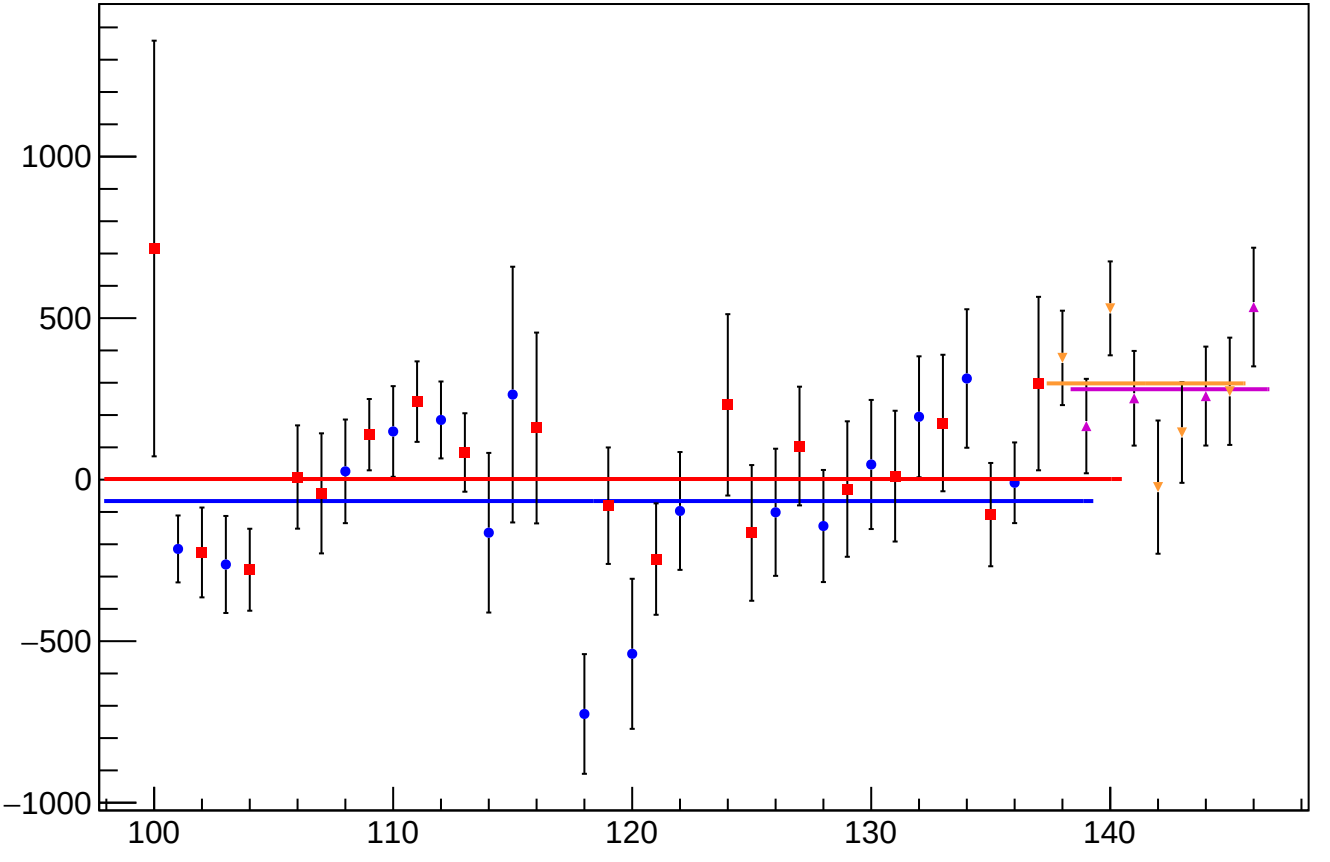
In: -0.000+/-0.000 χ^2/NDF:15.9/19

Out: -0.000+/-0.000 χ^2/NDF:29.1/23

All: -0.000+/-0.000 χ^2/NDF: 45.7/43


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
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:83119.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:76624.8/3
Left: 0.000+/-0.000 χ²/NDF: 370587.7/8
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1270271.3/19
Out: 0.000+/-0.000 χ²/NDF:2858248.2/23
All: 0.000+/-0.000 χ²/NDF: 4445308.5/43

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.996+/-71.595 χ^2/NDF:6.2/4

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 279.935+/-77.696 χ^2/NDF:2.6/3

Left: 289.703+/-52.650 χ^2/NDF: 8.9/8

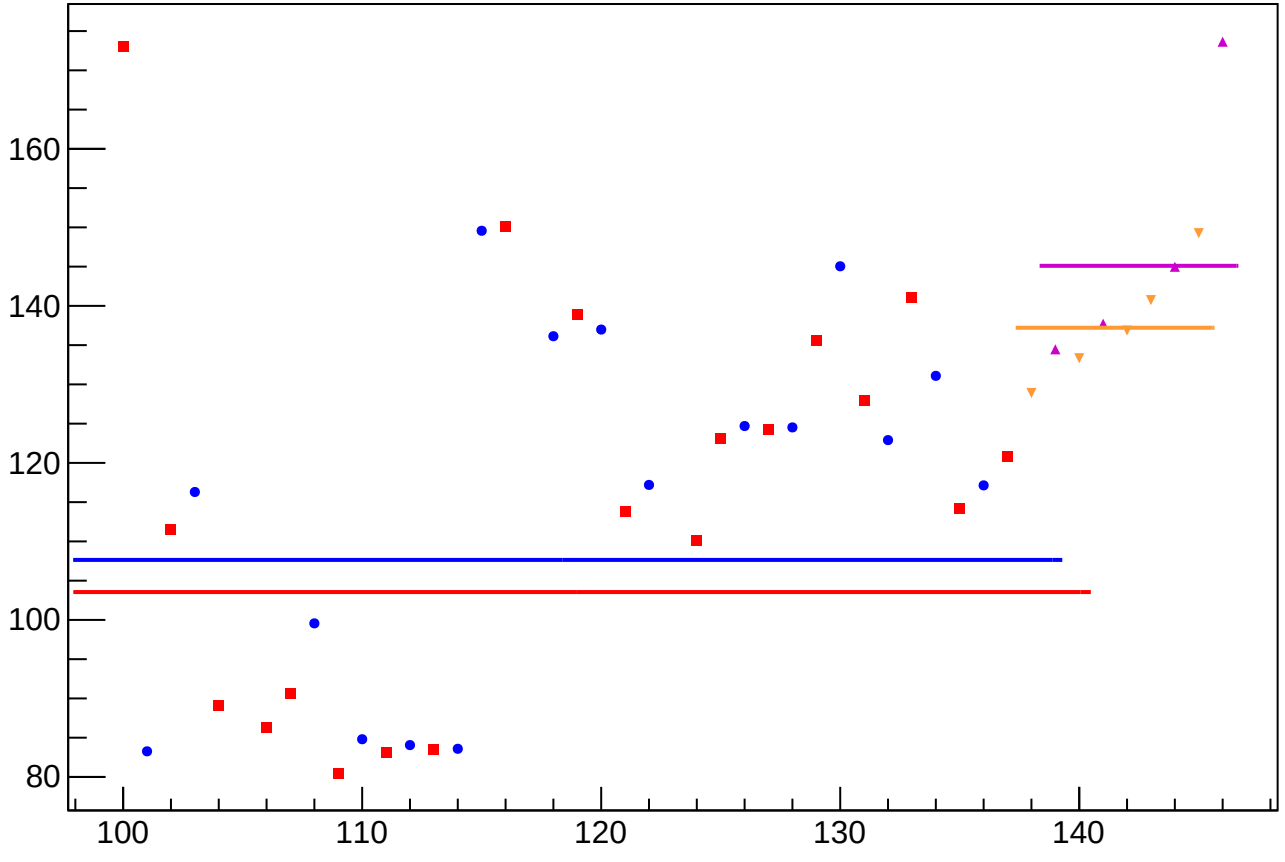
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 8.988+/-36.217 χ^2/NDF:52.5/19

Out: 69.389+/-34.158 χ^2/NDF:40.6/23

All: 40.955+/-24.849 χ^2/NDF: 94.6/43

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 137.216+/-0.051 χ^2/NDF:19428.8/4

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

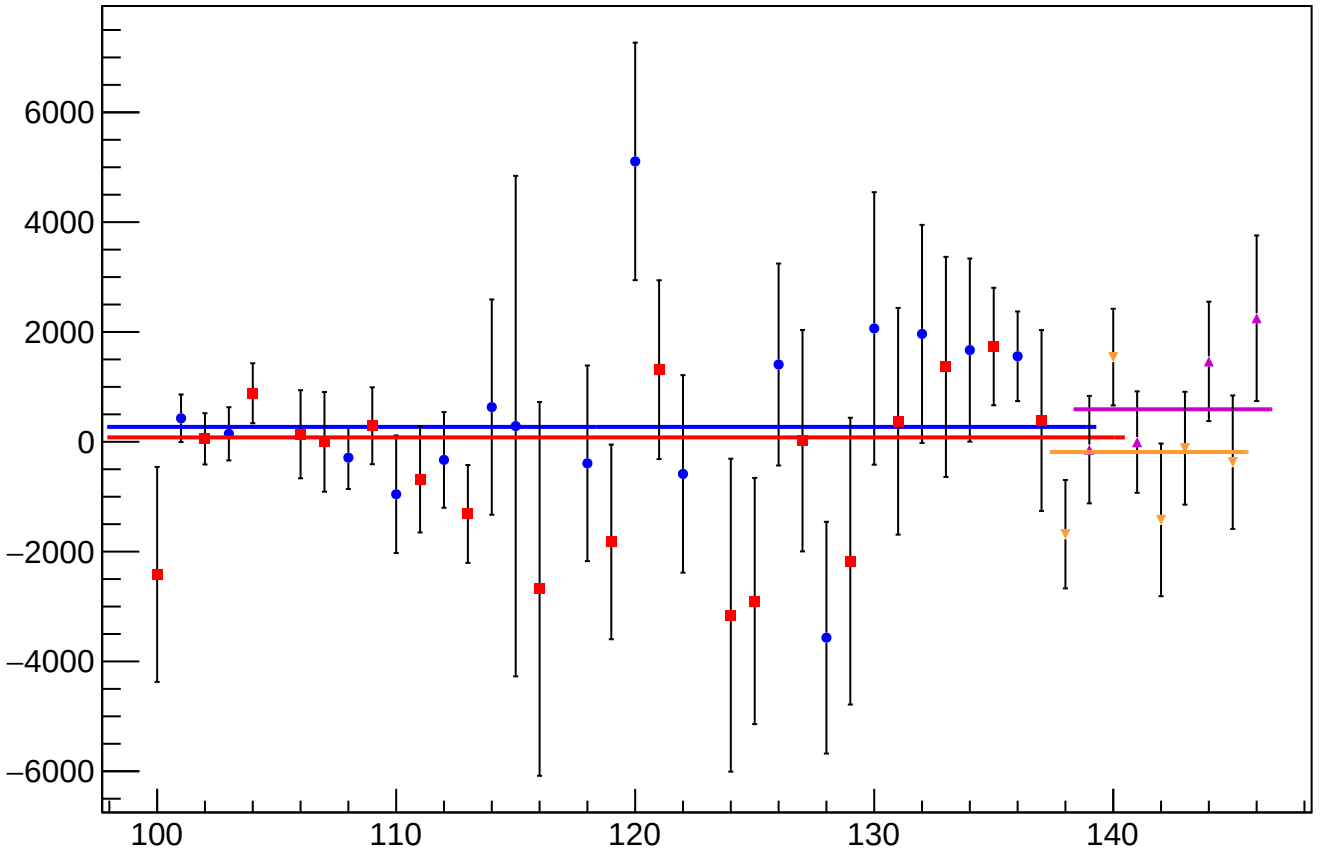
Left: 140.838+/-0.037 χ^2/NDF: 94549.0/8

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 115.784+/-0.026 χ^2/NDF:960683.1/19

Out: 111.213+/-0.024 χ^2/NDF:978344.1/23

All: 113.365+/-0.018 χ^2/NDF: 1955887.0/43



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: -186.604+/-473.512 χ^2/NDF:7.0/4

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 591.921+/-534.406 χ^2/NDF:2.8/3

Left: 155.794+/-354.406 χ^2/NDF: 11.0/8

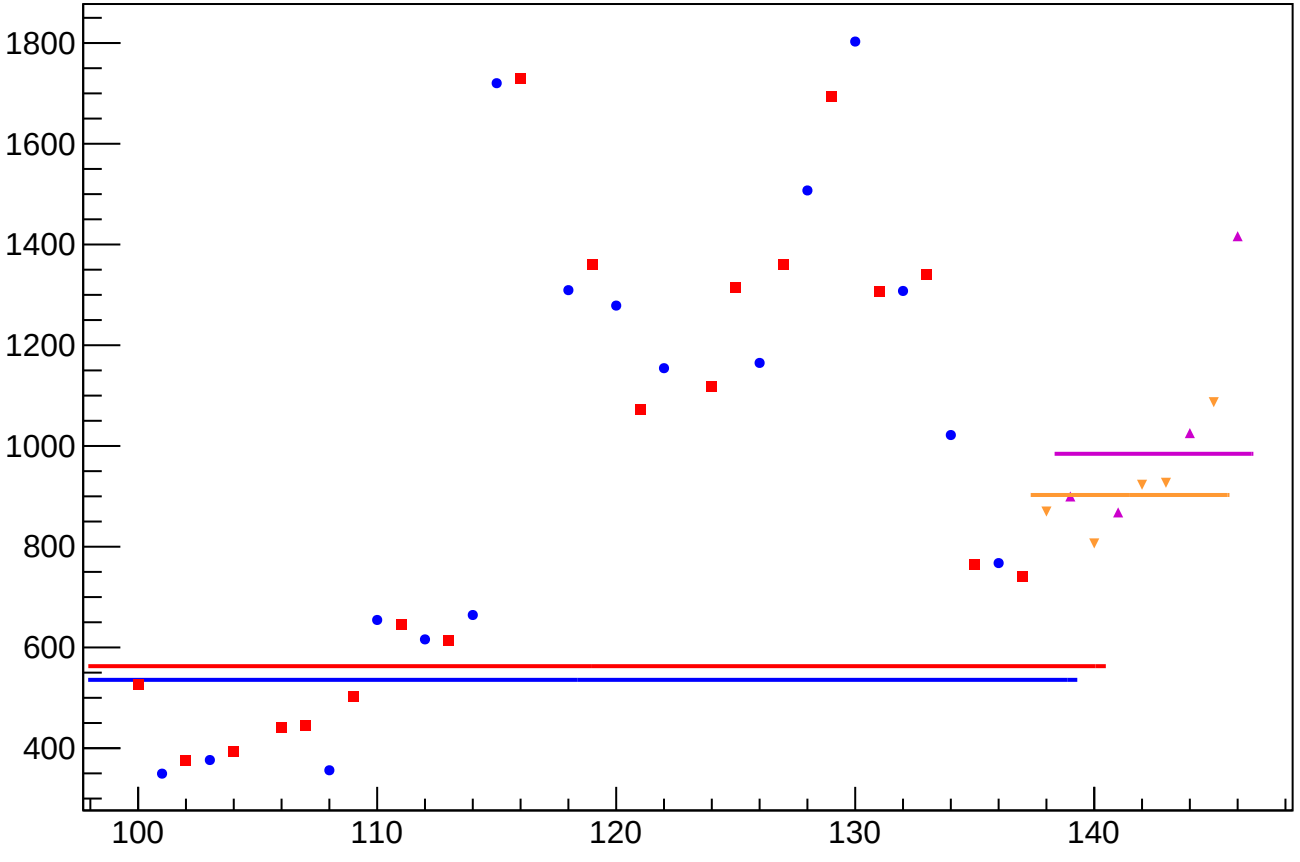
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 321.824+/-211.778 χ^2/NDF:19.6/19

Out: 28.410+/-208.449 χ^2/NDF:23.2/23

All: 172.793+/-148.559 χ^2/NDF: 43.8/43

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 902.712+/-0.335 χ^2/NDF:73597.9/4

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 984.476+/-0.378 χ^2/NDF:213649.4/3

Left: 938.672+/-0.251 χ^2/NDF: 313474.3/8

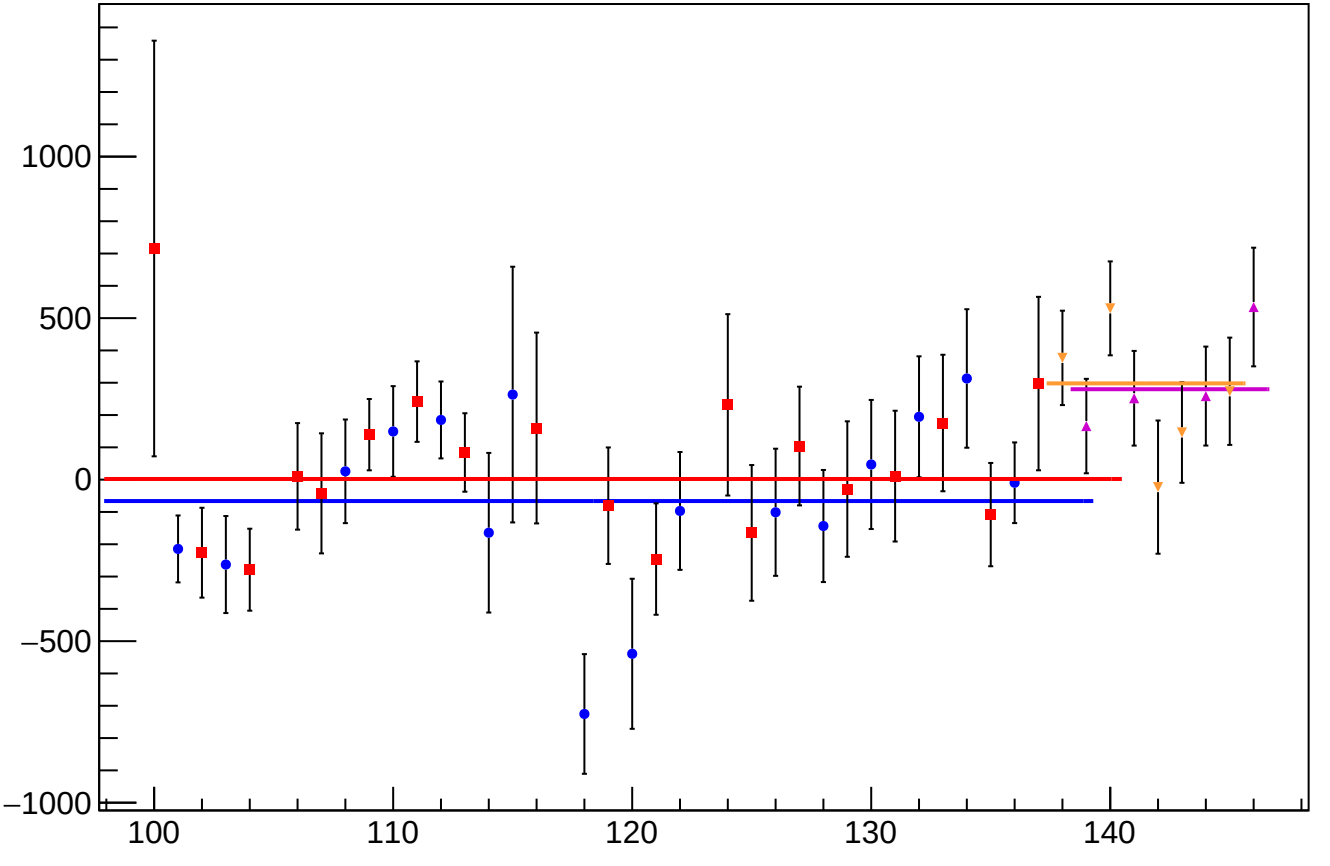
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 606.163+/-0.150 χ^2/NDF:5035046.6/19

Out: 628.709+/-0.147 χ^2/NDF:4015309.3/23

All: 617.614+/-0.105 χ^2/NDF: 9061869.5/43

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 298.000+/-71.595 χ^2/NDF:6.2/4

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 279.940+/-77.696 χ^2/NDF:2.6/3

Left: 289.707+/-52.650 χ^2/NDF: 8.9/8

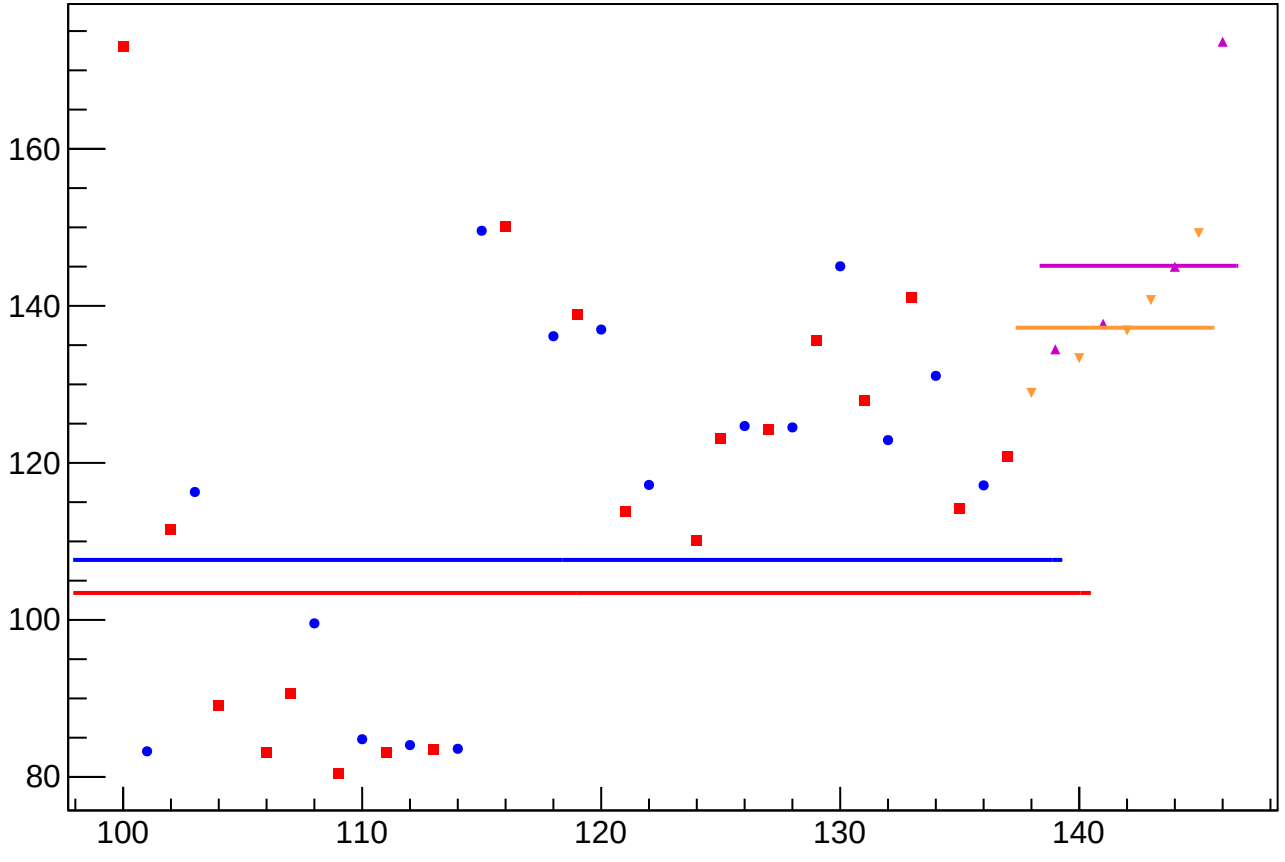
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 8.969+/-36.217 χ^2/NDF:52.5/19

Out: 69.612+/-34.205 χ^2/NDF:40.6/23

All: 41.022+/-24.868 χ^2/NDF: 94.6/43

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 137.216+/-0.051 χ^2/NDF:19428.8/4

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

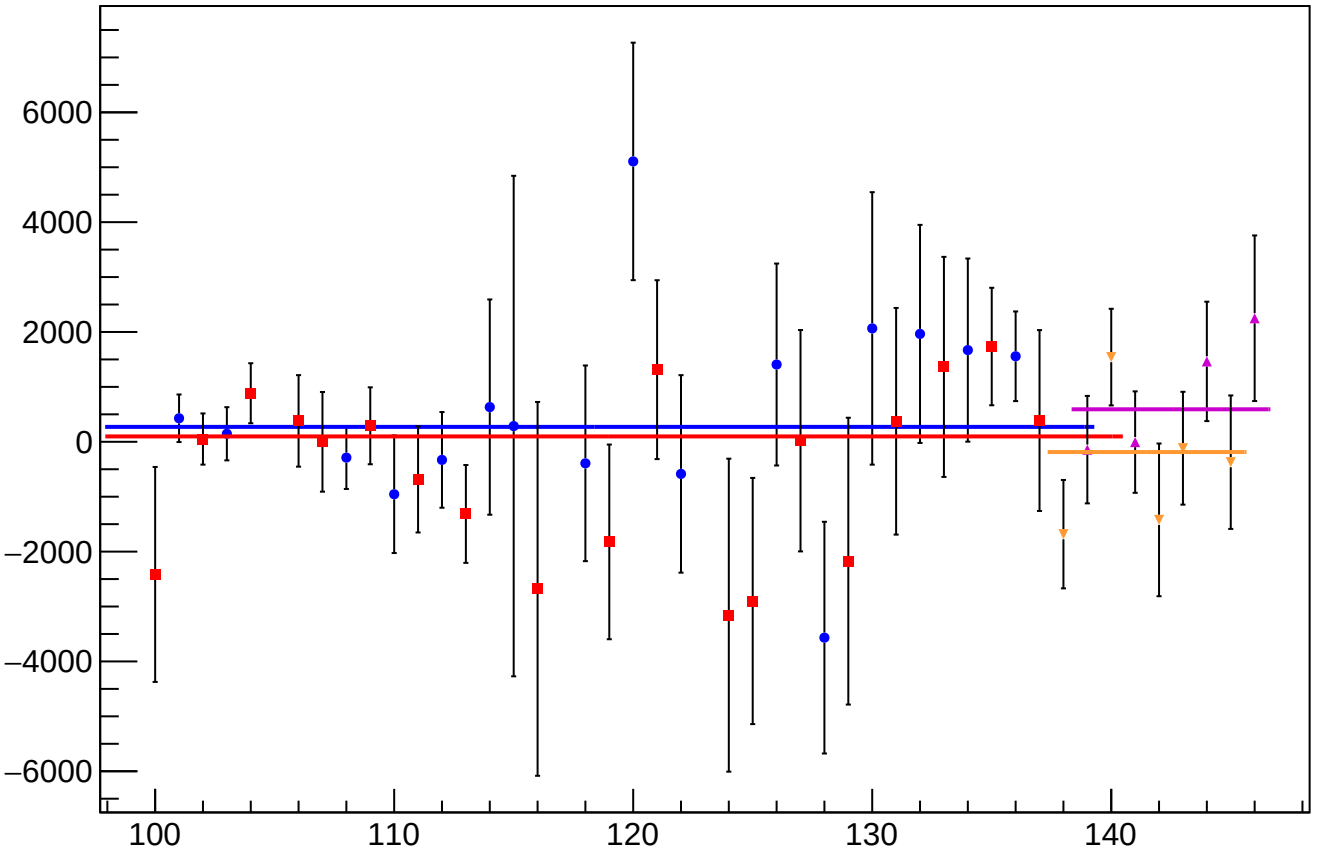
Left: 140.838+/-0.037 χ^2/NDF: 94549.0/8

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 115.784+/-0.026 χ^2/NDF:960683.2/19

Out: 111.148+/-0.024 χ^2/NDF:987744.2/23

All: 113.333+/-0.018 χ^2/NDF: 1965748.5/43



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -186.589+/-473.512 χ^2/NDF:7.0/4

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 591.908+/-534.407 χ^2/NDF:2.8/3

Left: 155.797+/-354.406 χ^2/NDF: 11.0/8

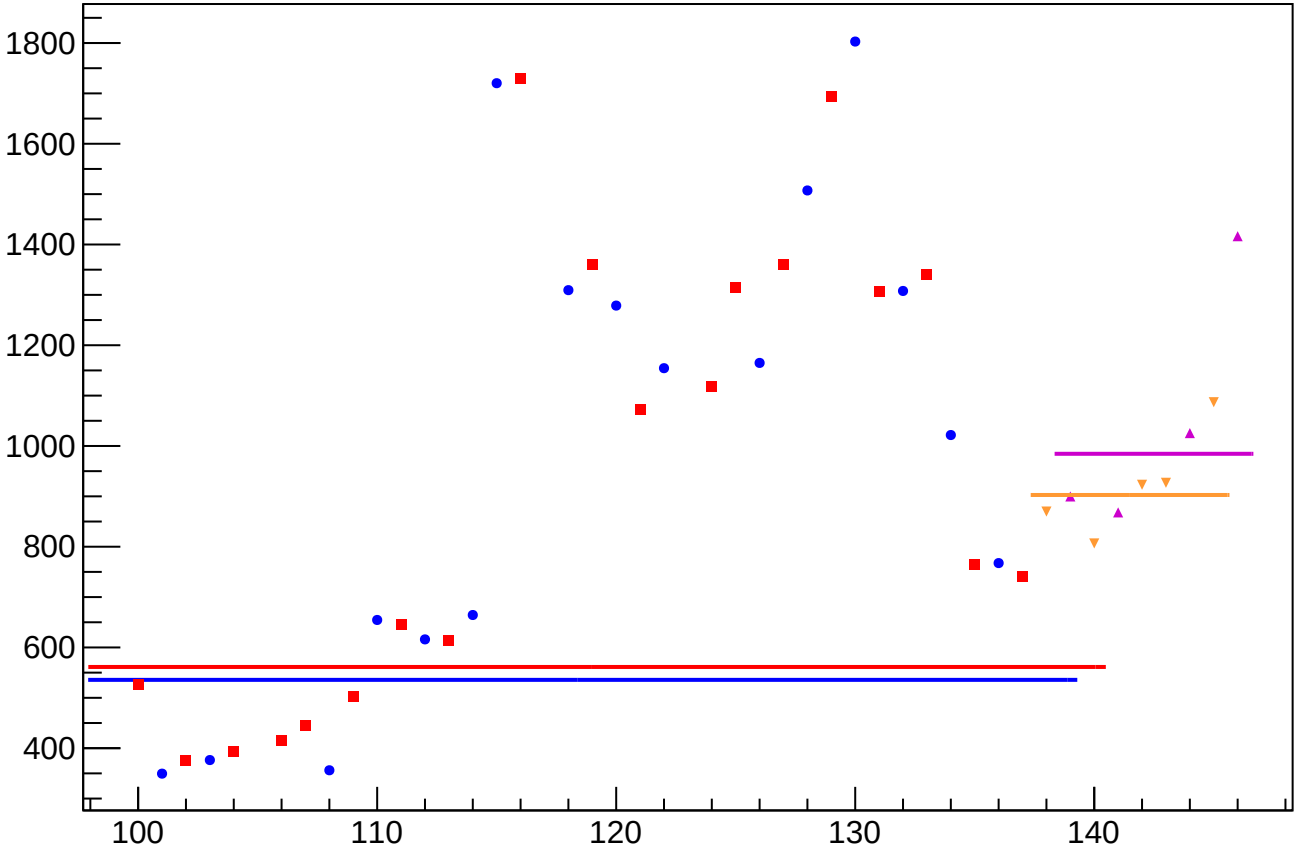
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 321.937+/-211.772 χ^2/NDF:19.6/19

Out: 42.485+/-208.902 χ^2/NDF:23.4/23

All: 180.305+/-148.721 χ^2/NDF: 43.9/43

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 902.712+/-0.335 χ^2/NDF:73598.1/4

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 984.476+/-0.378 χ^2/NDF:213649.6/3

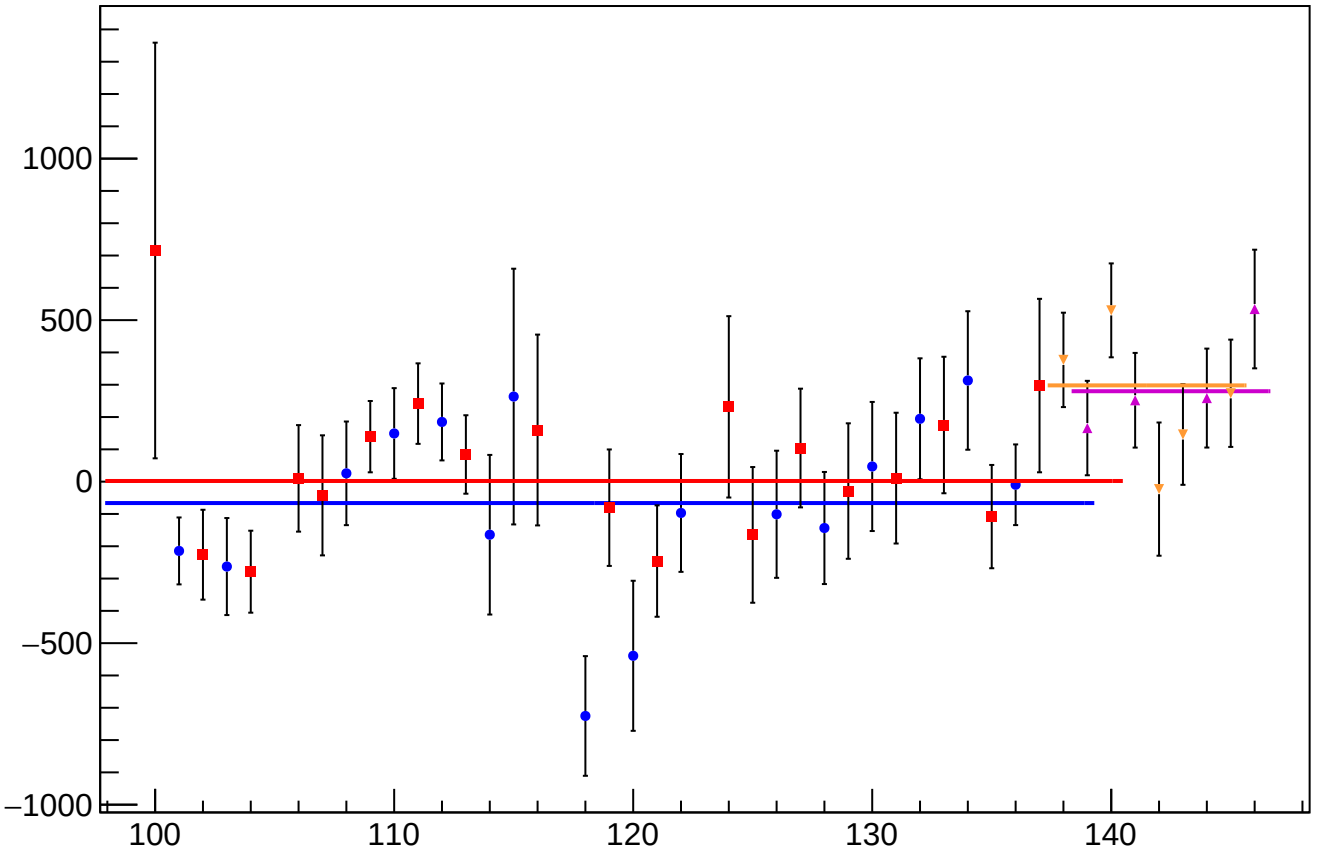
Left: 938.672+/-0.251 χ^2/NDF: 313474.8/8

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 606.141+/-0.150 χ^2/NDF:5035373.4/19

Out: 627.727+/-0.148 χ^2/NDF:4041879.0/23

All: 617.081+/-0.105 χ^2/NDF: 9087784.1/43



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 298.000+/-71.595 χ^2/NDF:6.2/4

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 279.940+/-77.696 χ^2/NDF:2.6/3

Left: 289.707+/-52.650 χ^2/NDF: 8.9/8

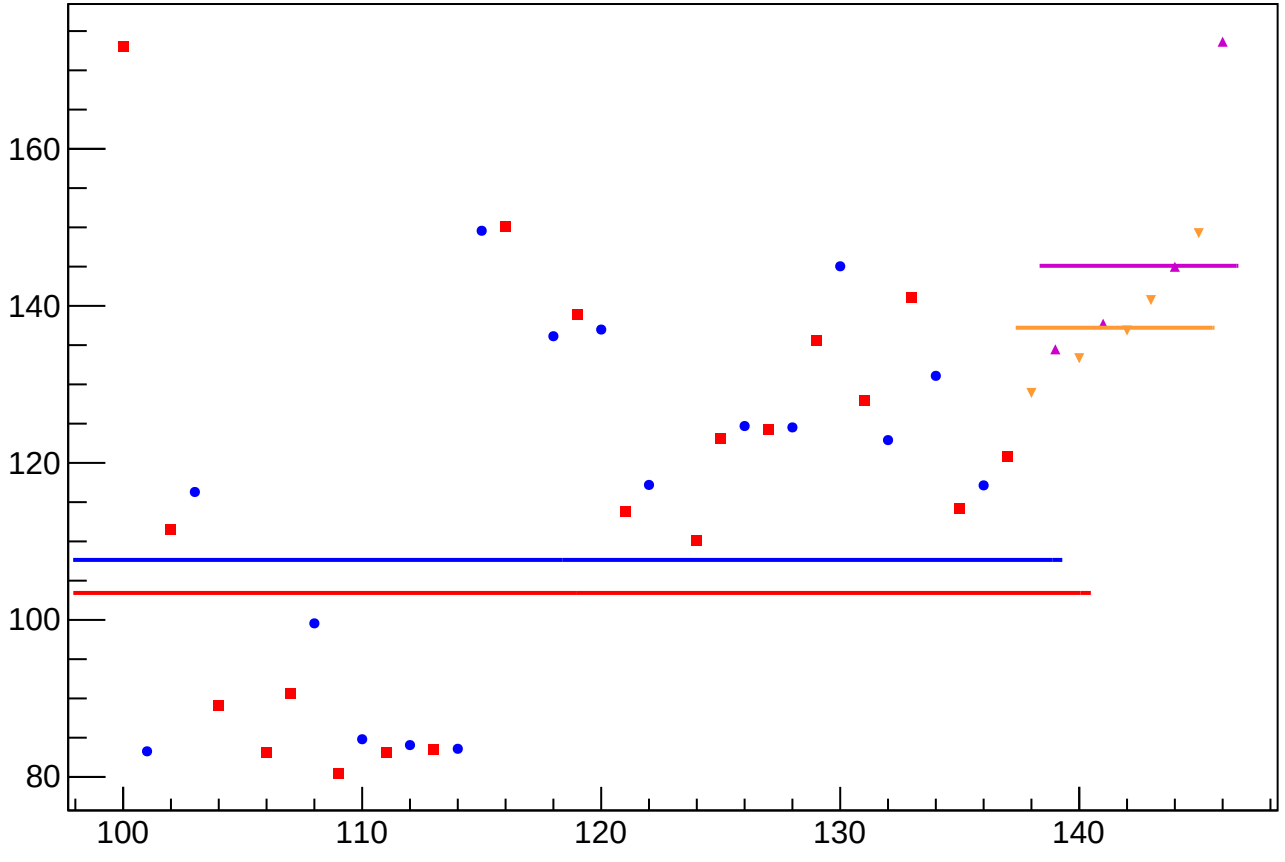
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 8.969+/-36.217 χ^2/NDF:52.5/19

Out: 69.612+/-34.205 χ^2/NDF:40.6/23

All: 41.022+/-24.868 χ^2/NDF: 94.6/43

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 137.216+/-0.051 χ^2/NDF:19428.8/4

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

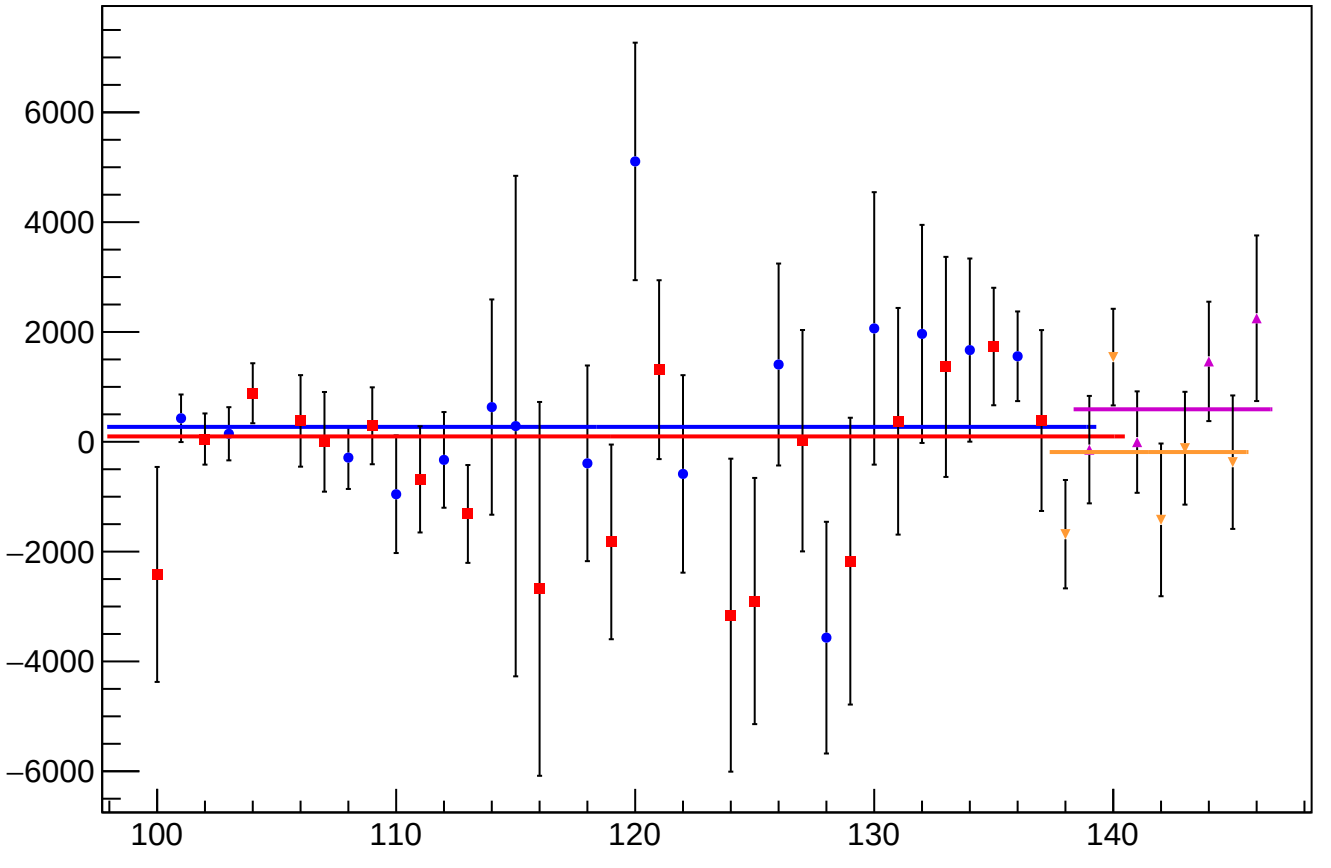
Left: 140.838+/-0.037 χ^2/NDF: 94549.0/8

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 115.784+/-0.026 χ^2/NDF:960683.2/19

Out: 111.148+/-0.024 χ^2/NDF:987744.2/23

All: 113.333+/-0.018 χ^2/NDF: 1965748.5/43



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: -186.589+/-473.512 χ^2/NDF:7.0/4

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 591.908+/-534.407 χ^2/NDF:2.8/3

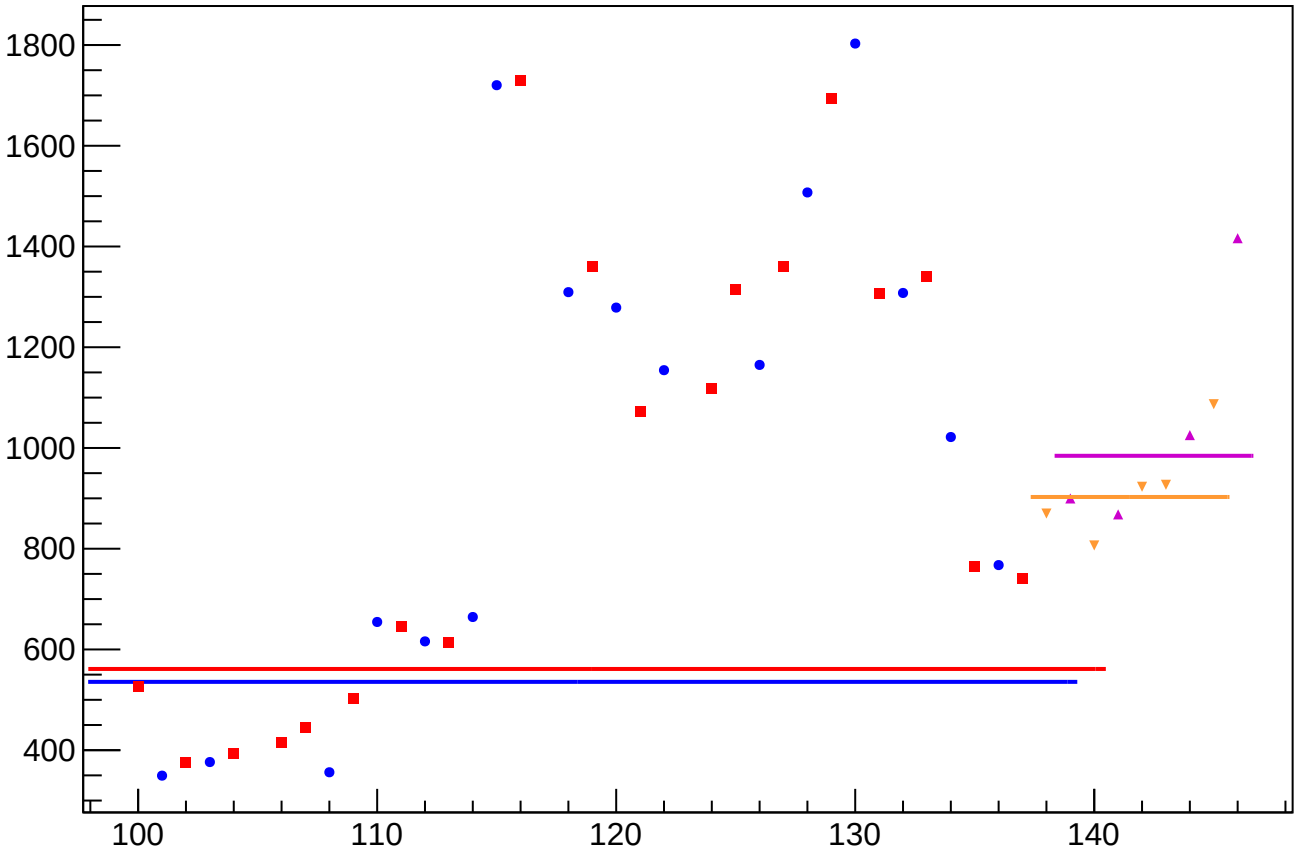
Left: 155.797+/-354.406 χ^2/NDF: 11.0/8

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 321.937+/-211.772 χ^2/NDF:19.6/19

Out: 42.485+/-208.902 χ^2/NDF:23.4/23

All: 180.305+/-148.721 χ^2/NDF: 43.9/43



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 902.712+/-0.335 χ^2/NDF:73598.1/4

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 984.476+/-0.378 χ^2/NDF:213649.6/3

Left: 938.672+/-0.251 χ^2/NDF: 313474.8/8

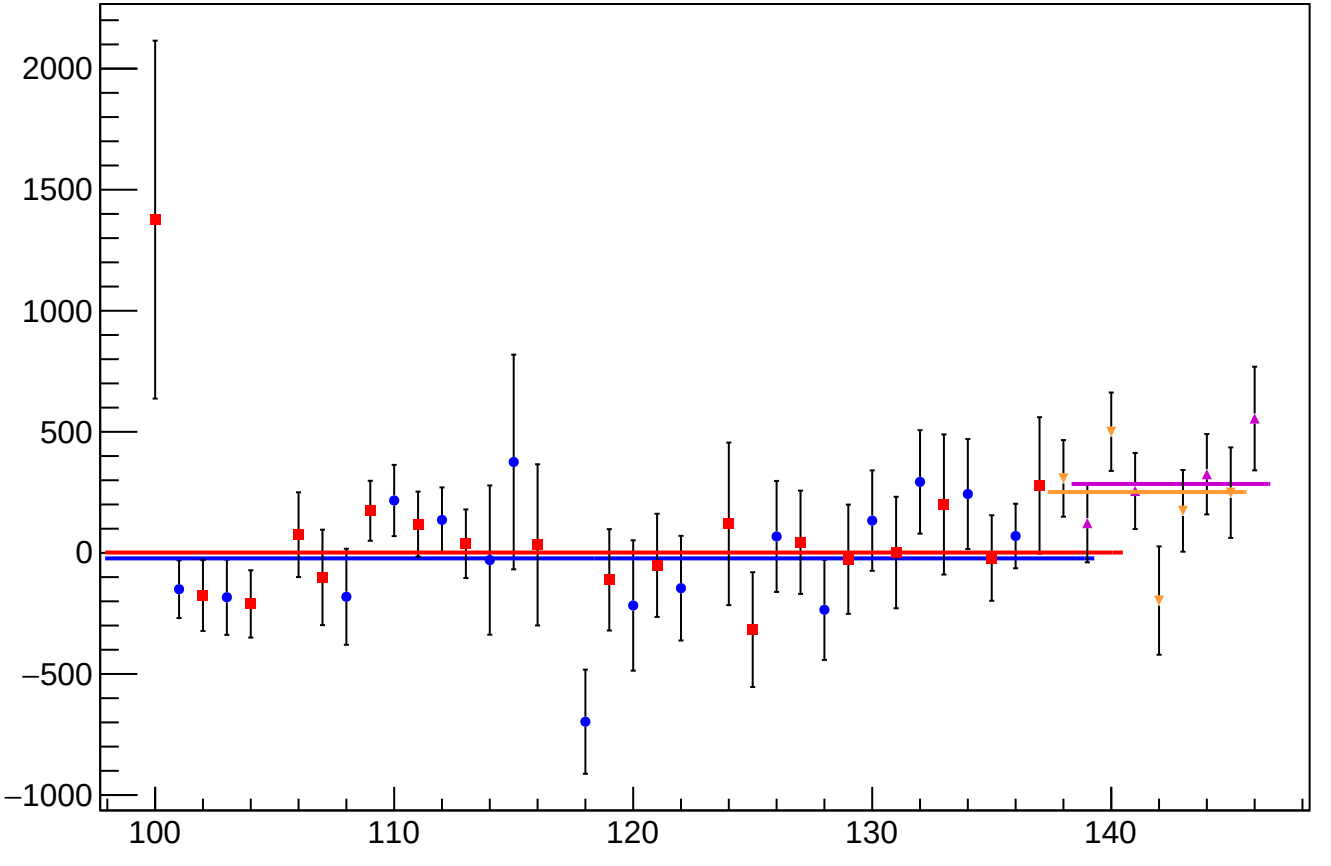
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 606.141+/-0.150 χ^2/NDF:5035373.4/19

Out: 627.727+/-0.148 χ^2/NDF:4041879.0/23

All: 617.081+/-0.105 χ^2/NDF: 9087784.1/43

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 251.336+/-78.604 χ^2/NDF:6.7/4

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 284.780+/-85.480 χ^2/NDF:2.7/3

Left: 266.659+/-57.860 χ^2/NDF: 9.5/8

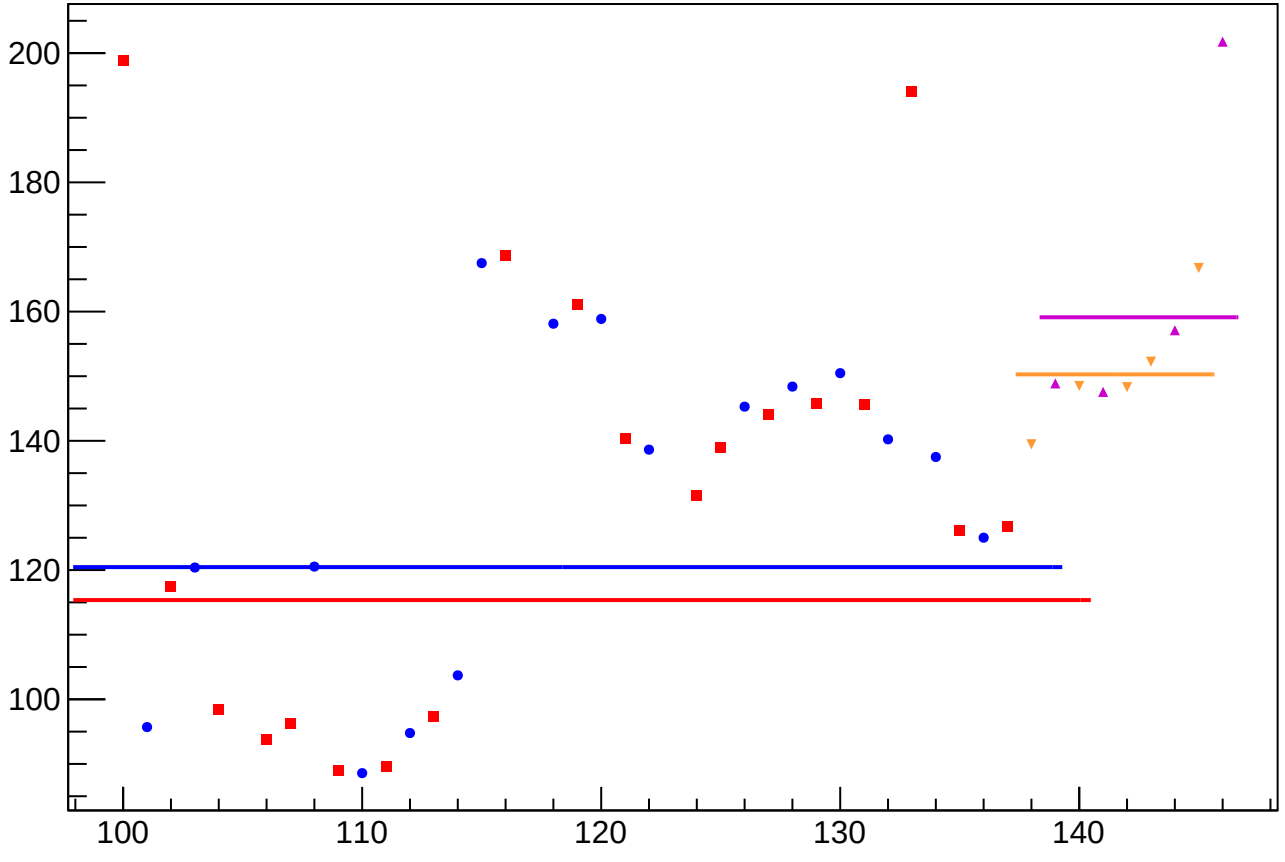
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 46.152+/-40.444 χ^2/NDF:36.9/19

Out: 60.281+/-38.103 χ^2/NDF:28.7/23

All: 53.638+/-27.734 χ^2/NDF: 65.7/43

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 150.286+/-0.056 χ^2/NDF:25556.7/4

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 159.121+/-0.060 χ^2/NDF:98520.6/3

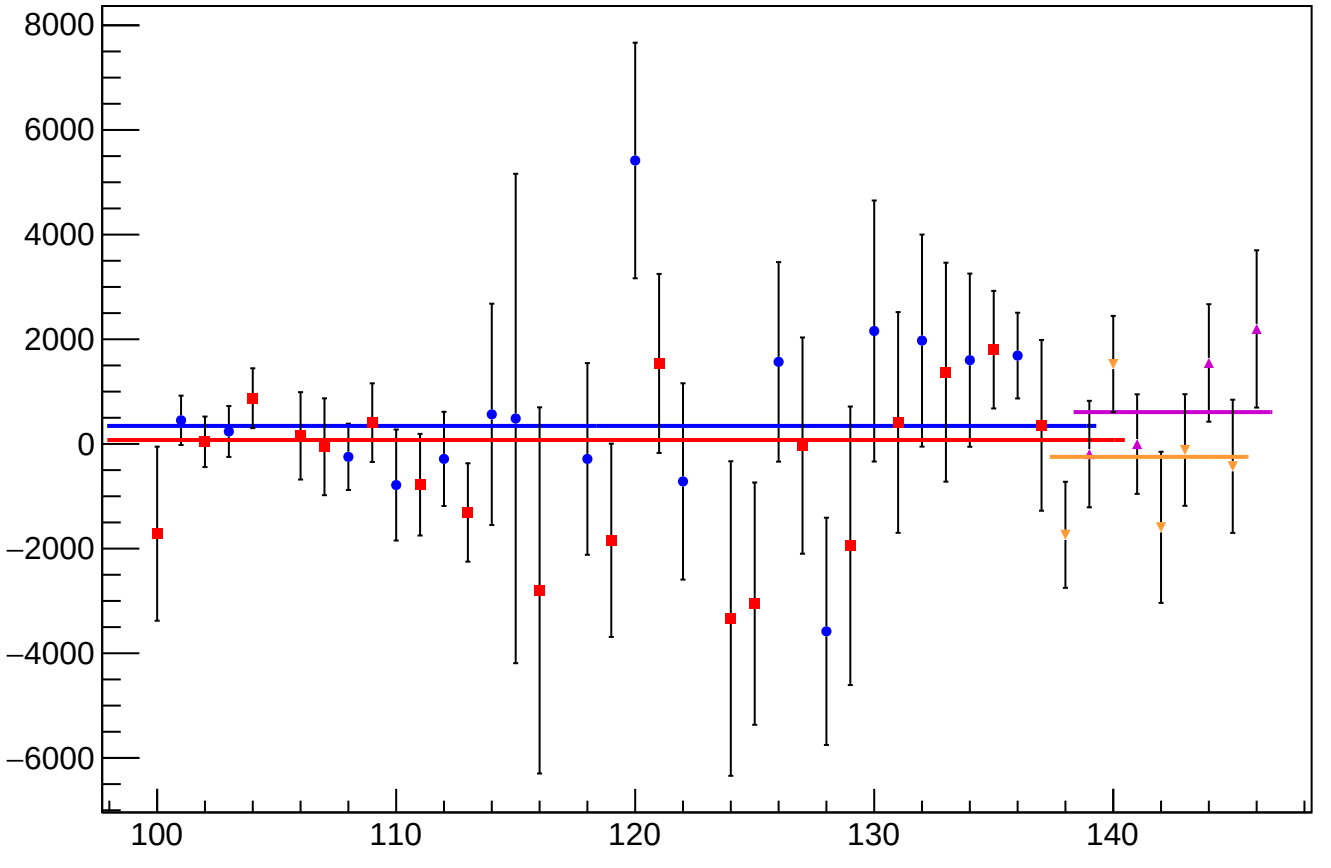
Left: 154.334+/-0.041 χ^2/NDF: 135652.8/8

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 129.114+/-0.029 χ^2/NDF:946402.8/19

Out: 123.564+/-0.027 χ^2/NDF:1094917.9/23

All: 126.174+/-0.020 χ^2/NDF: 2061267.2/43



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: -246.861+/-492.049 χ^2/NDF:6.8/4

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 608.155+/-549.879 χ^2/NDF:2.9/3

Left: 133.338+/-366.678 χ^2/NDF: 11.0/8

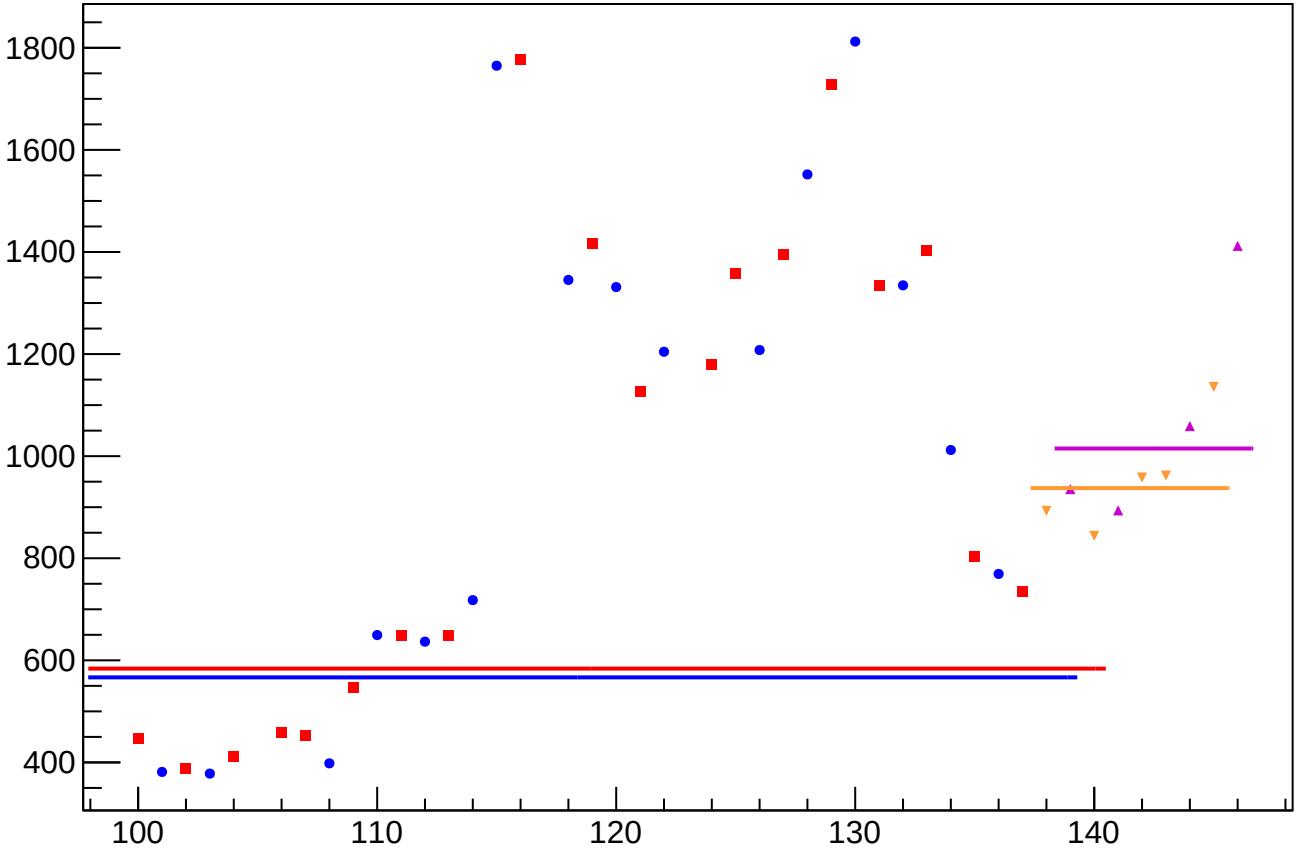
Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 387.089+/-221.139 χ^2/NDF:19.3/19

Out: 13.294+/-216.056 χ^2/NDF:22.4/23

All: 195.846+/-154.541 χ^2/NDF: 43.1/43

asym_sam6_dit_correction_rms vs Slug, Sign Corrected



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 937.471+/-0.348 χ^2/NDF:74492.3/4

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1014.984+/-0.389 χ^2/NDF:187350.8/3

Left: 971.939+/-0.259 χ^2/NDF: 283912.5/8

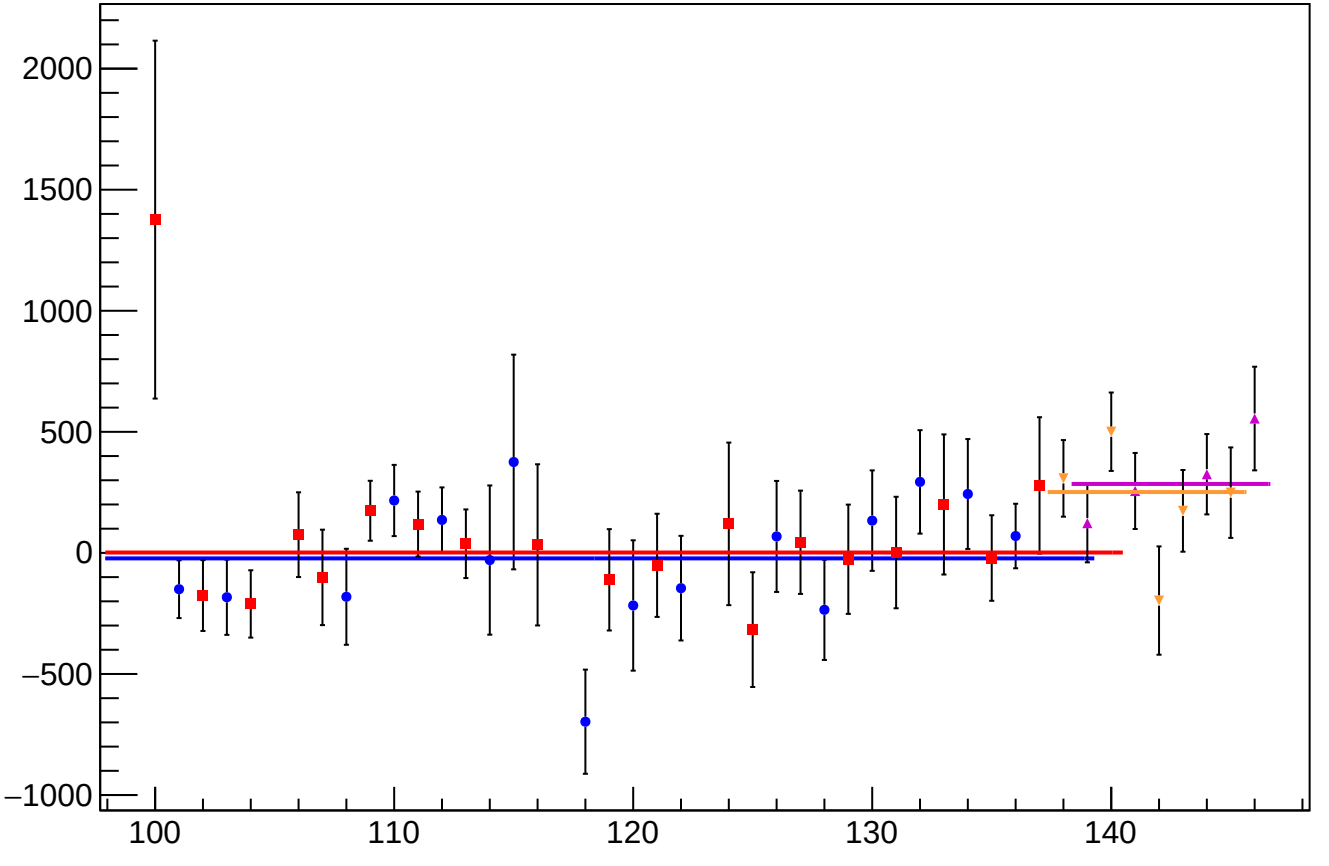
Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 639.121+/-0.156 χ^2/NDF:4734528.0/19

Out: 651.985+/-0.153 χ^2/NDF:4016083.2/23

All: 645.702+/-0.109 χ^2/NDF: 8754073.5/43

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 251.340+/-78.604 χ^2/NDF:6.7/4

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 284.778+/-85.480 χ^2/NDF:2.7/3

Left: 266.660+/-57.860 χ^2/NDF: 9.5/8

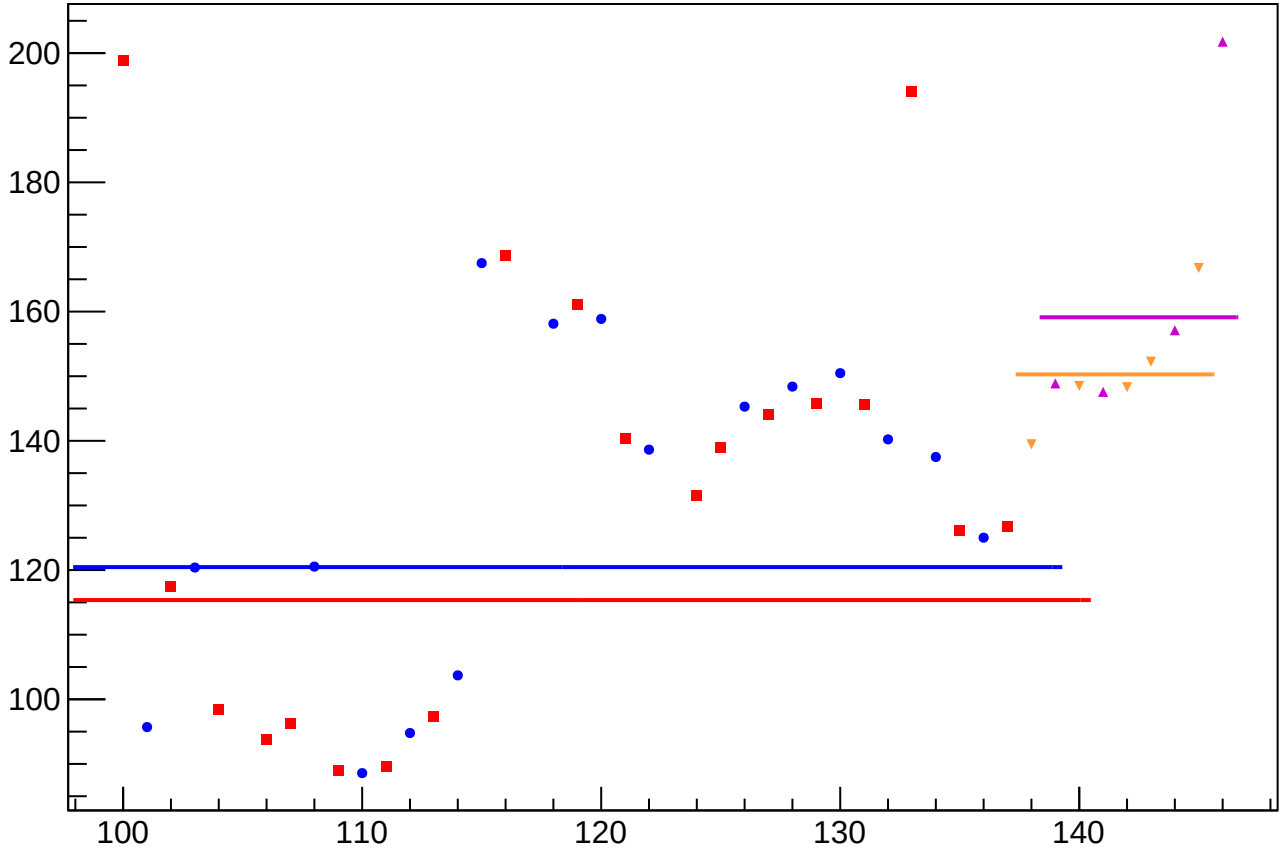
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 46.150+/-40.444 χ^2/NDF:36.9/19

Out: 60.283+/-38.103 χ^2/NDF:28.7/23

All: 53.638+/-27.734 χ^2/NDF: 65.7/43

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 150.286+/-0.056 χ^2/NDF:25555.8/4

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 159.120+/-0.060 χ^2/NDF:98521.2/3

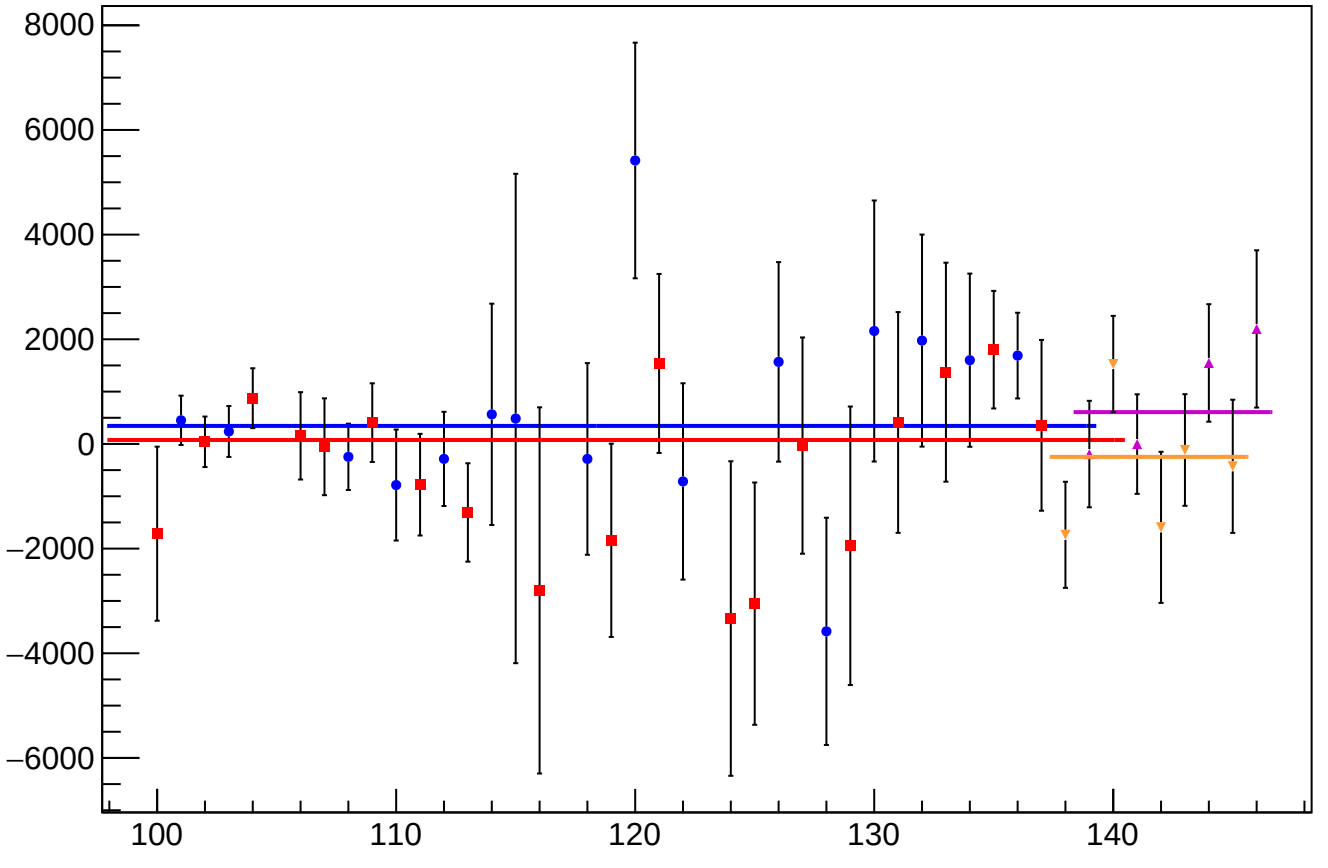
Left: 154.333+/-0.041 χ^2/NDF: 135652.7/8

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 129.113+/-0.029 χ^2/NDF:946408.8/19

Out: 123.564+/-0.027 χ^2/NDF:1094916.2/23

All: 126.173+/-0.020 χ^2/NDF: 2061271.1/43



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: -246.855+/-492.049 χ^2/NDF:6.8/4

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 608.153+/-549.878 χ^2/NDF:2.9/3

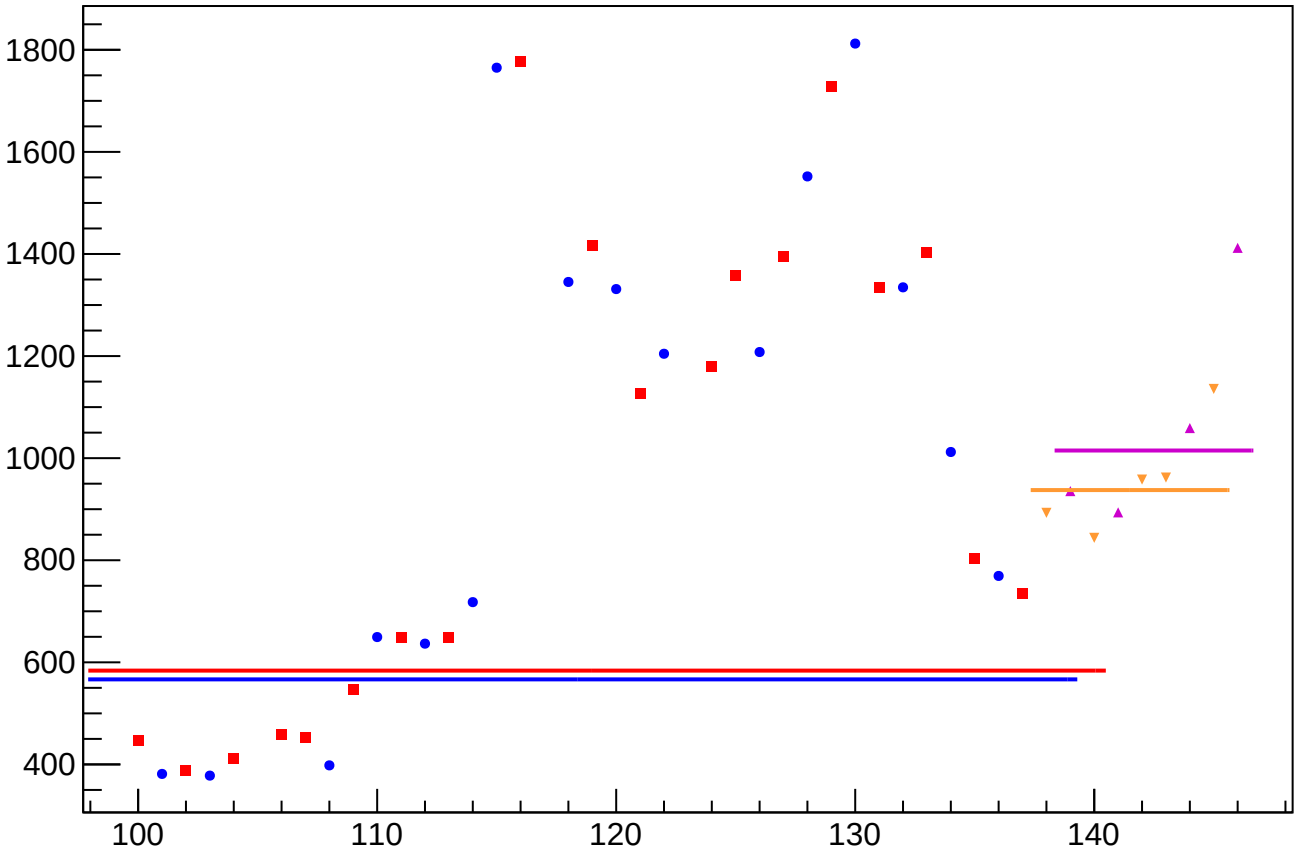
Left: 133.340+/-366.678 χ^2/NDF: 11.0/8

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 387.088+/-221.139 χ^2/NDF:19.3/19

Out: 13.296+/-216.056 χ^2/NDF:22.4/23

All: 195.847+/-154.540 χ^2/NDF: 43.1/43



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 937.470+/-0.348 χ^2/NDF:74492.1/4

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1014.983+/-0.389 χ^2/NDF:187351.5/3

Left: 971.938+/-0.259 χ^2/NDF: 283913.3/8

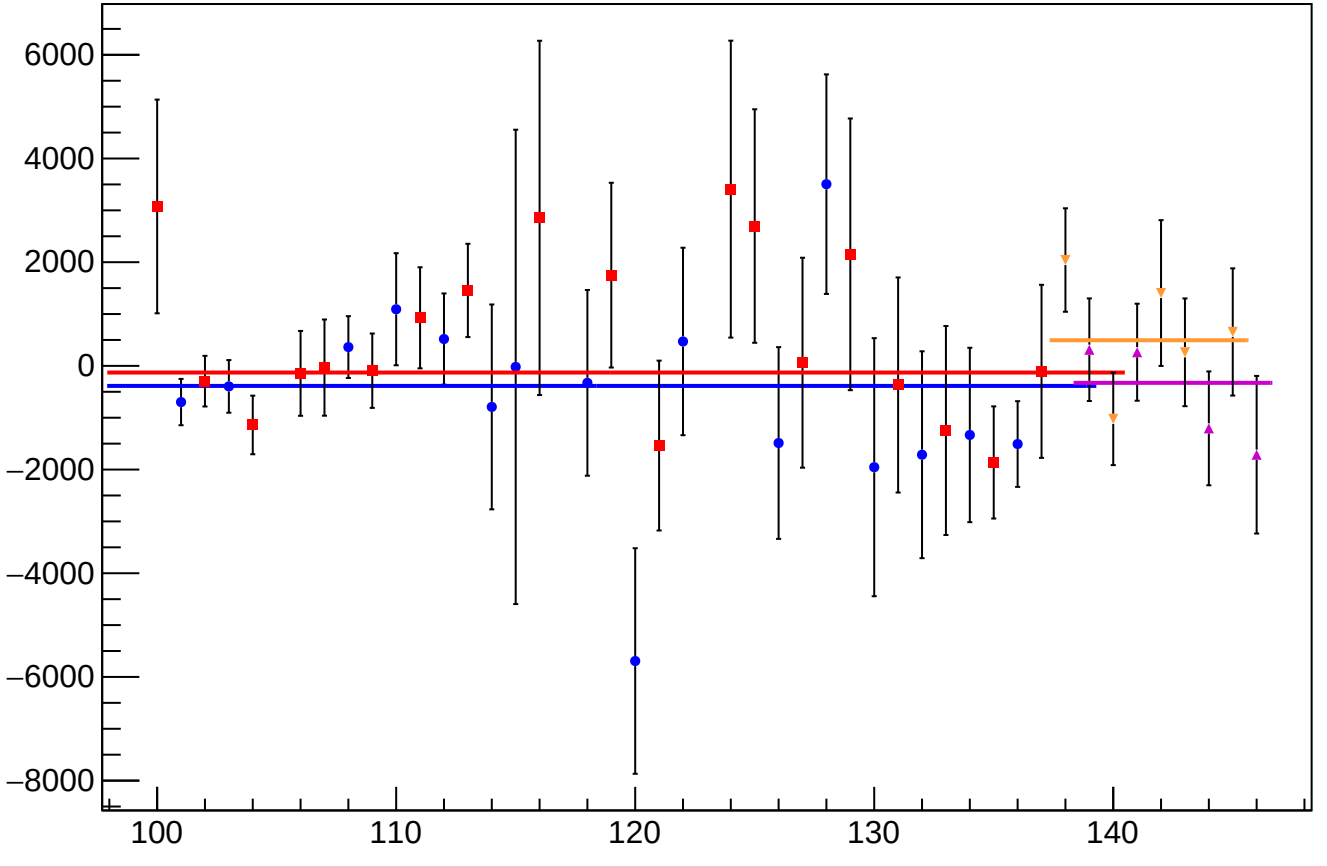
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 639.120+/-0.156 χ^2/NDF:4734534.6/19

Out: 651.984+/-0.153 χ^2/NDF:4016082.1/23

All: 645.702+/-0.109 χ^2/NDF: 8754079.2/43

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 494.206+/-479.035 χ^2/NDF:5.8/4

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: -327.344+/-540.272 χ^2/NDF:2.3/3

Left: 132.611+/-358.432 χ^2/NDF: 9.4/8

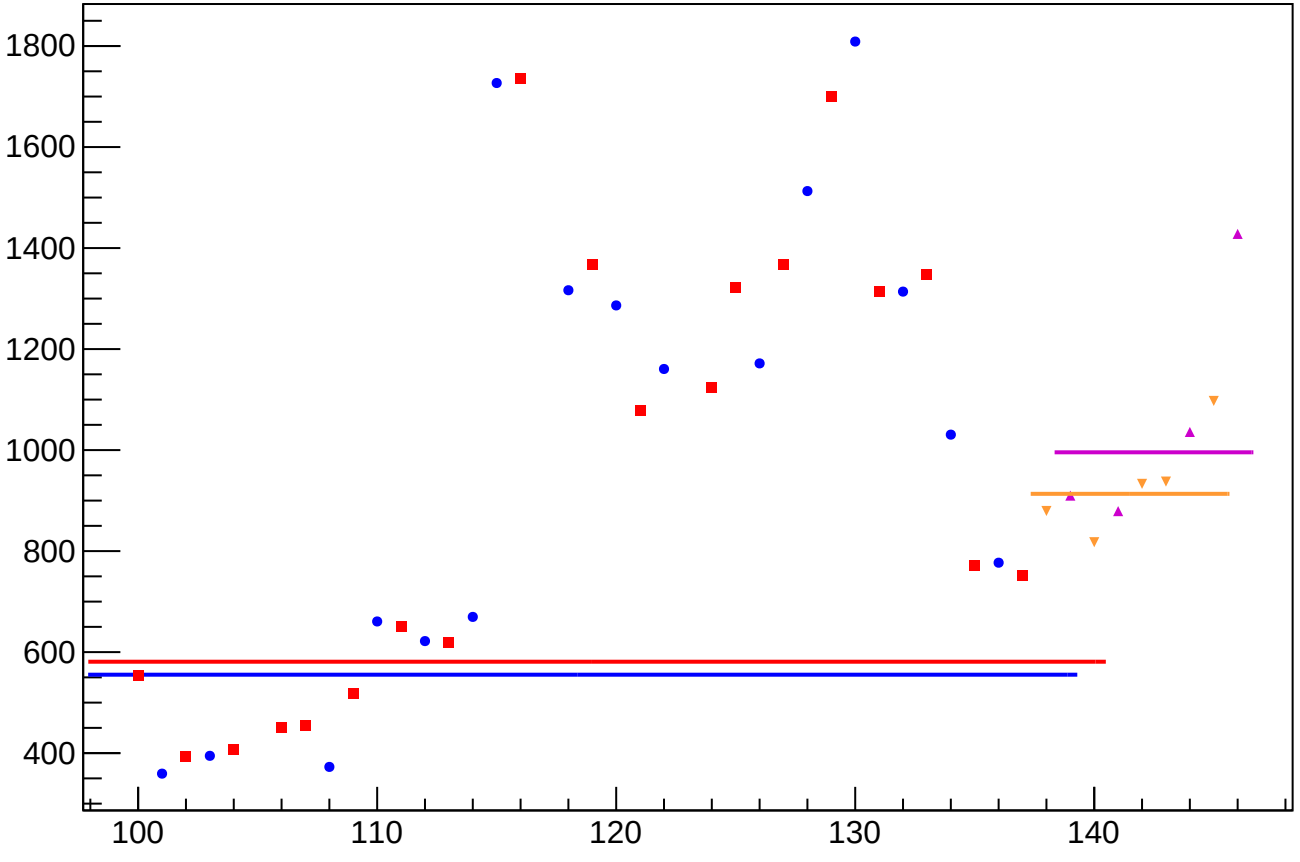
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -376.937+/-217.439 χ^2/NDF:20.2/19

Out: -5.087+/-213.316 χ^2/NDF:26.5/23

All: -187.453+/-152.274 χ^2/NDF: 48.3/43

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 913.406+/-0.339 χ^2/NDF:71823.8/4

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 995.610+/-0.382 χ^2/NDF:210590.7/3

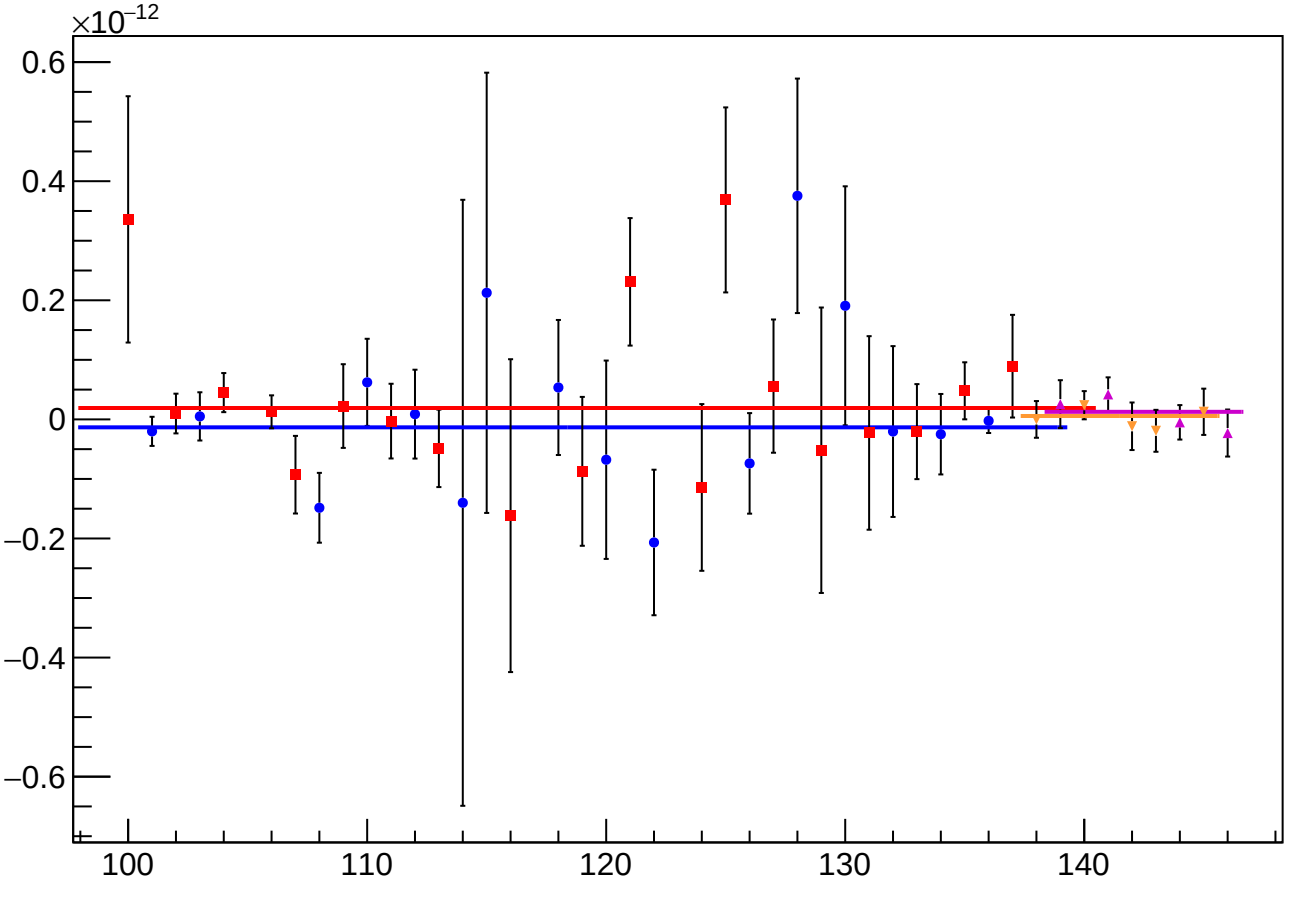
Left: 949.587+/-0.253 χ^2/NDF: 308336.9/8

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 626.613+/-0.154 χ^2/NDF:4806378.1/19

Out: 646.911+/-0.151 χ^2/NDF:3827459.3/23

All: 636.956+/-0.108 χ^2/NDF: 8642718.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/3

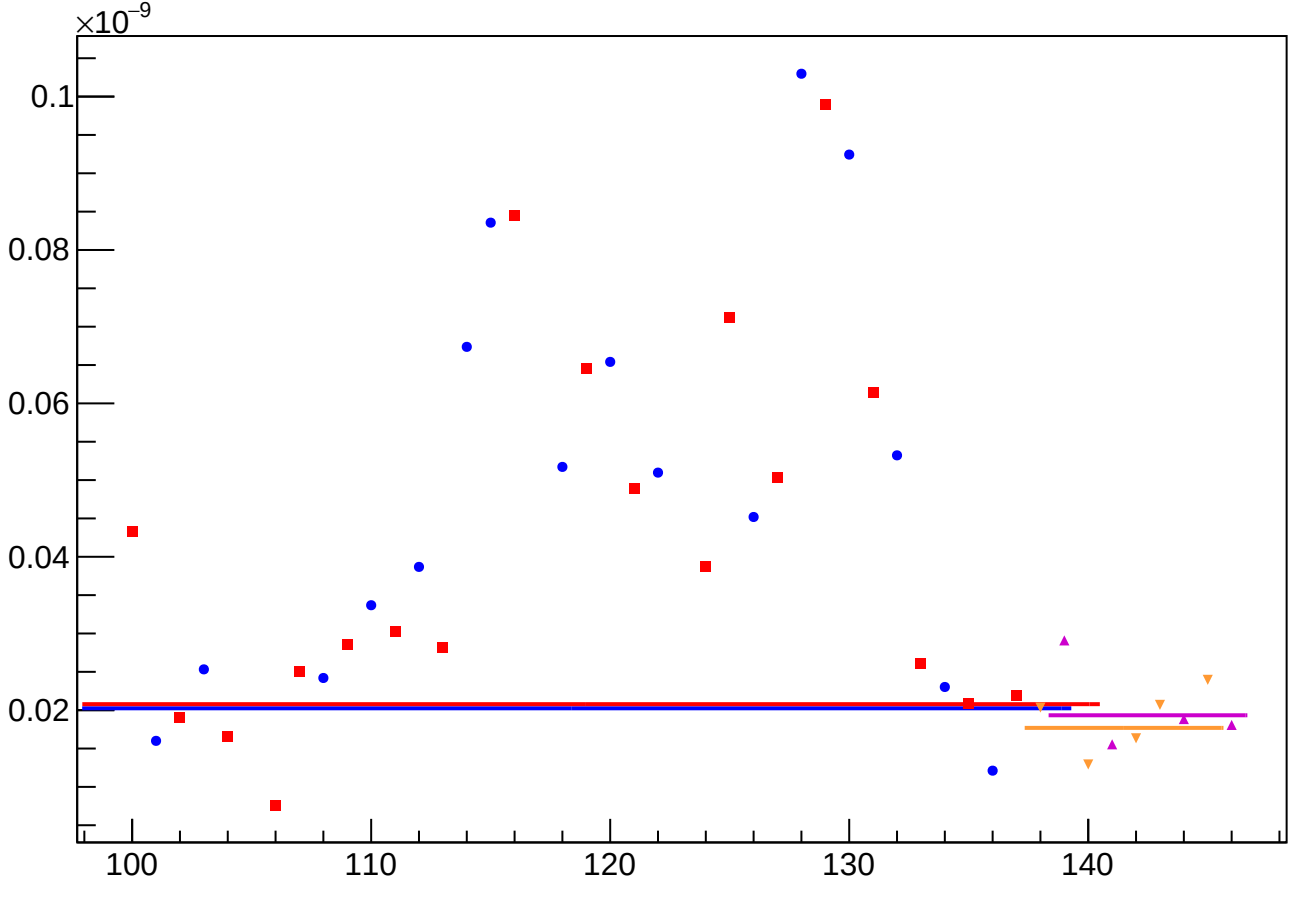
Left: 0.000+/-0.000 χ^2/NDF: 3.8/8

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:19.8/19

Out: 0.000+/-0.000 χ^2/NDF:21.7/23

All: 0.000+/-0.000 χ^2/NDF: 42.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:164660.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:155551.1/3

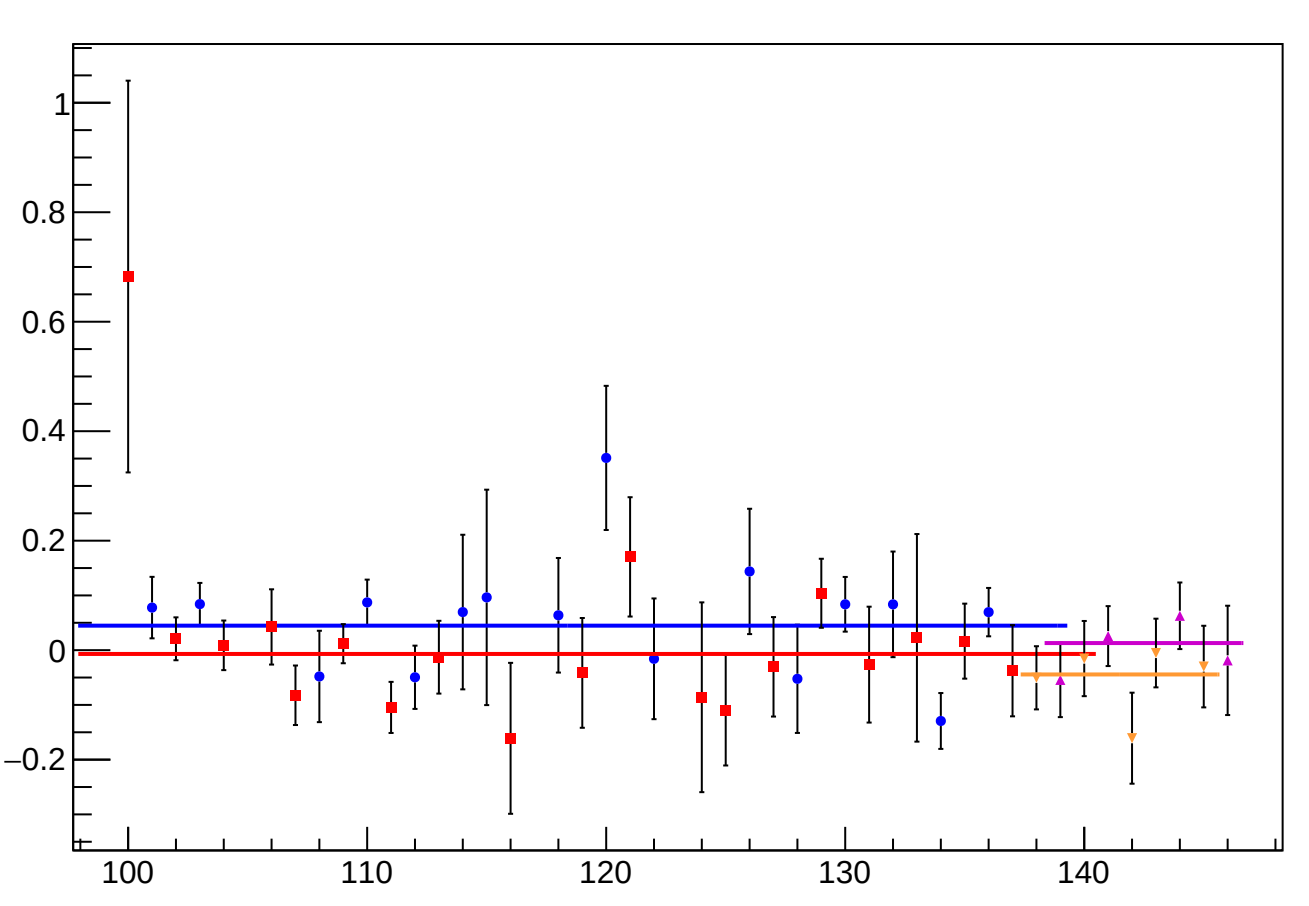
Left: 0.000+/-0.000 χ^2/NDF: 331594.8/8

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2163988.6/19

Out: 0.000+/-0.000 χ^2/NDF:2068990.2/23

All: 0.000+/-0.000 χ^2/NDF: 4236750.9/43



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.044+/-0.030 χ^2/NDF:2.6/4

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.013+/-0.033 χ^2/NDF:1.8/3

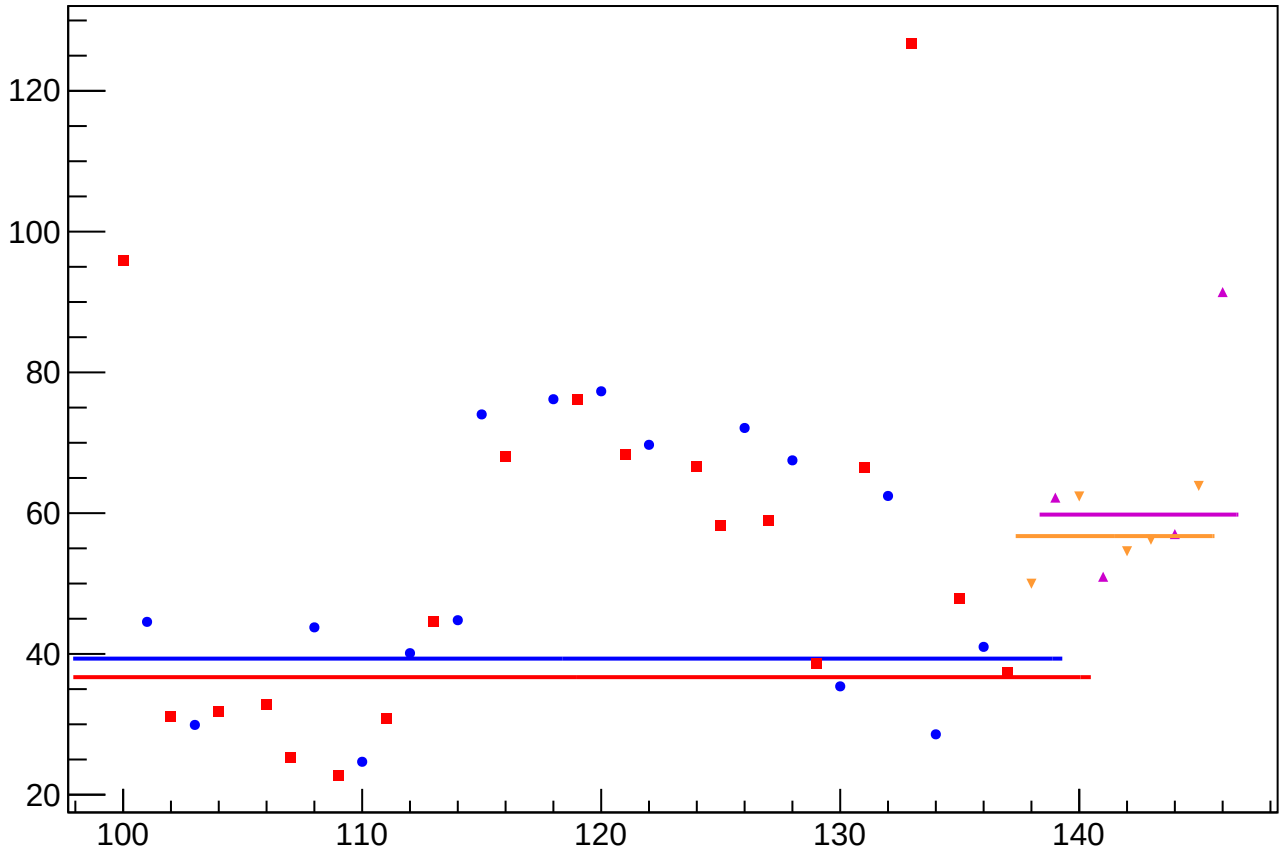
Left: -0.018+/-0.022 χ^2/NDF: 6.0/8

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.014 χ^2/NDF:29.2/19

Out: -0.014+/-0.014 χ^2/NDF:24.0/23

All: 0.010+/-0.010 χ^2/NDF: 60.3/43



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 56.741+/-0.021 χ^2/NDF:60710.4/4

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 59.795+/-0.023 χ^2/NDF:259183.8/3

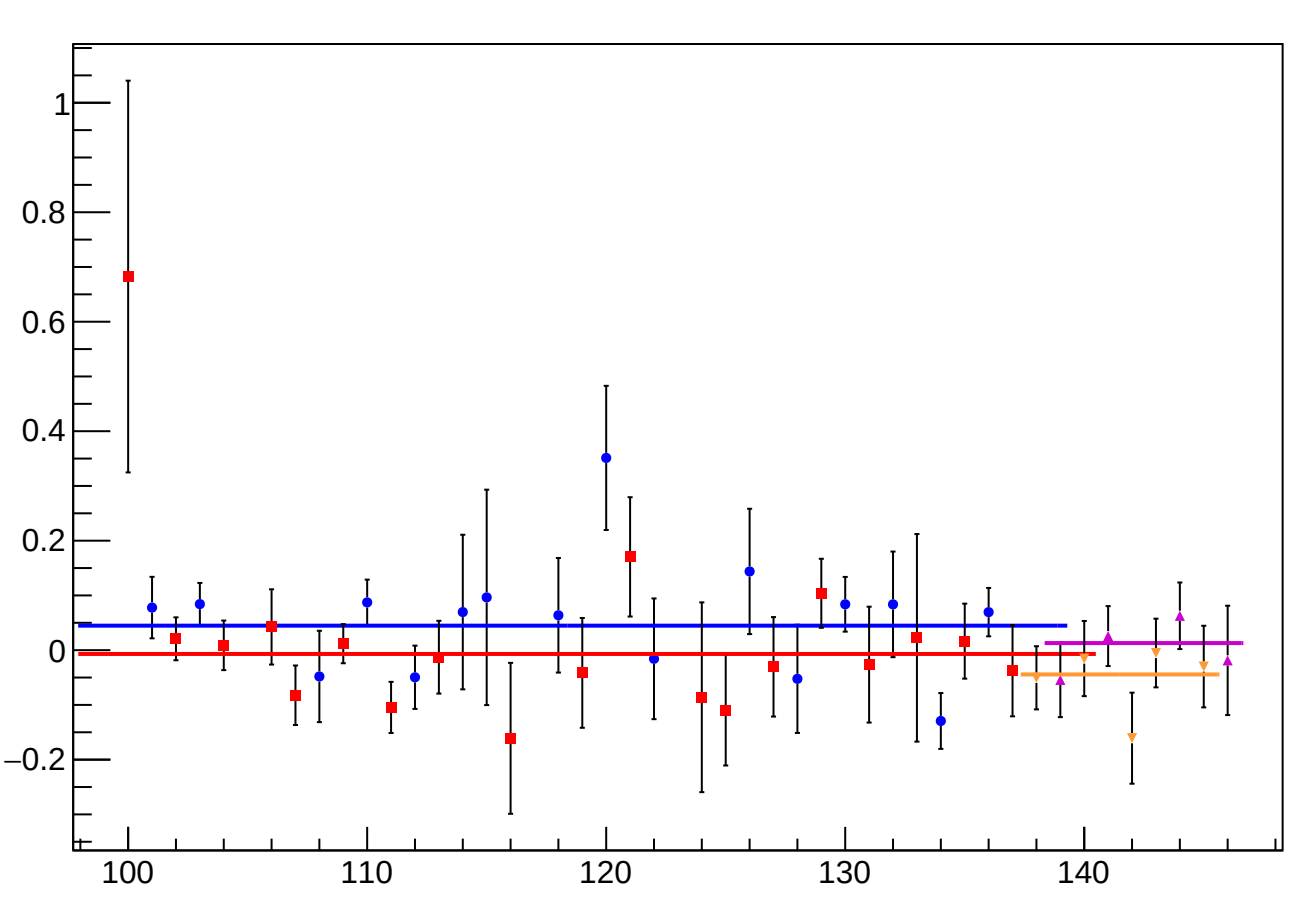
Left: 58.139+/-0.016 χ^2/NDF: 329209.8/8

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 43.245+/-0.010 χ^2/NDF:2449067.6/19

Out: 40.697+/-0.010 χ^2/NDF:2859104.7/23

All: 41.890+/-0.007 χ^2/NDF: 5341431.1/43



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.044+/-0.030 χ^2/NDF:2.6/4

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.013+/-0.033 χ^2/NDF:1.8/3

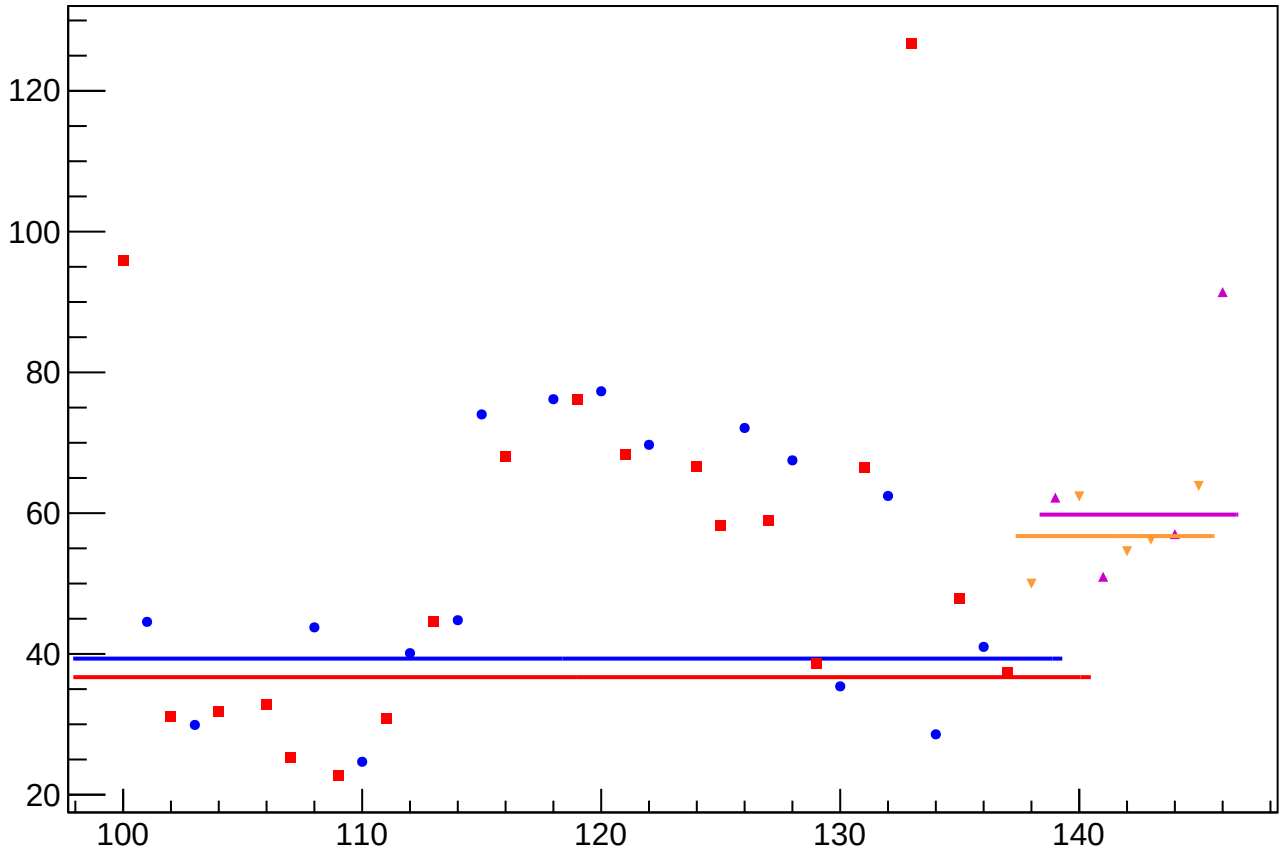
Left: -0.018+/-0.022 χ^2/NDF: 6.0/8

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.014 χ^2/NDF:29.2/19

Out: -0.014+/-0.014 χ^2/NDF:24.0/23

All: 0.010+/-0.010 χ^2/NDF: 60.3/43



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 56.741+/-0.021 χ^2/NDF:60710.4/4

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 59.795+/-0.023 χ^2/NDF:259183.8/3

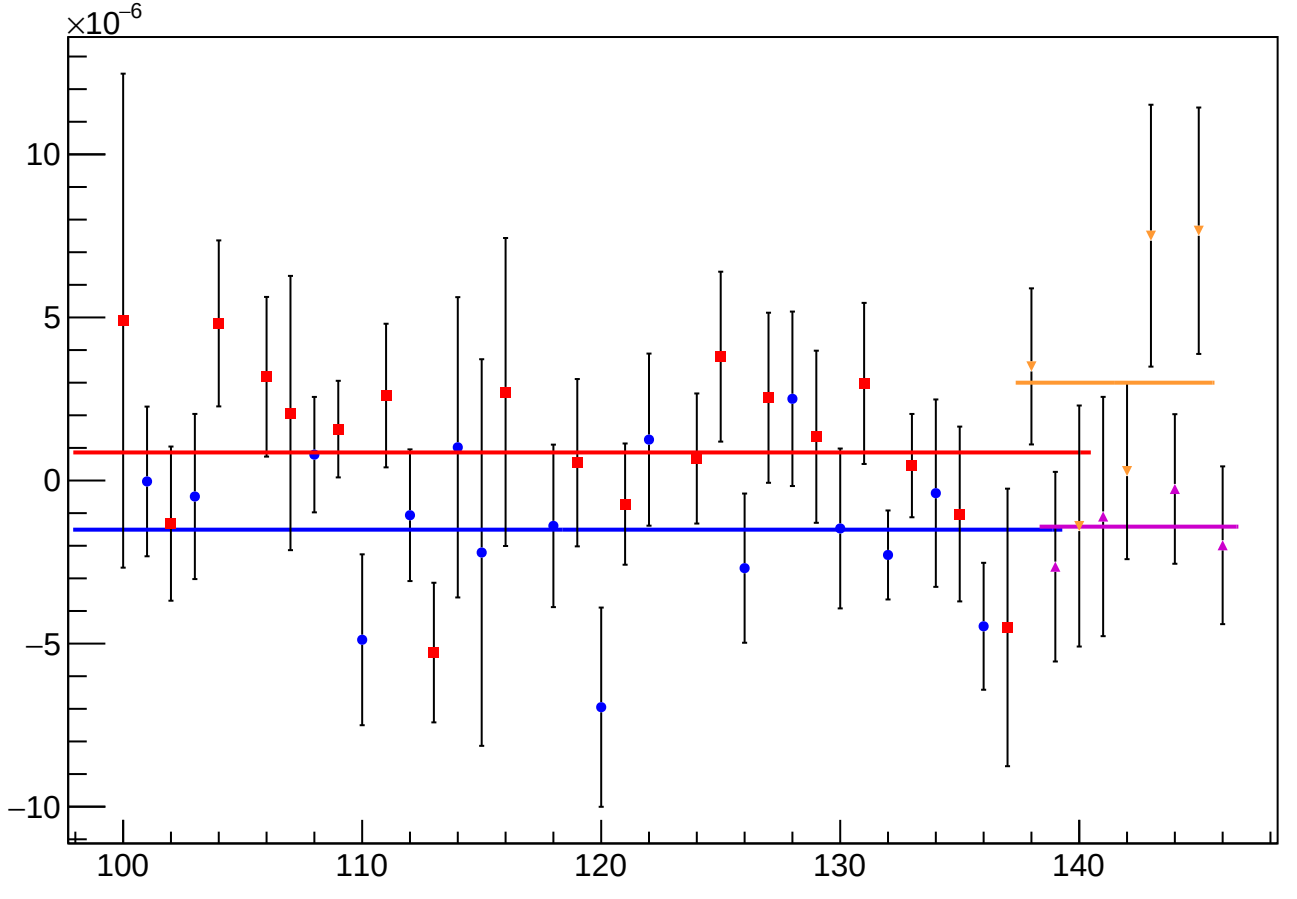
Left: 58.139+/-0.016 χ^2/NDF: 329209.8/8

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 43.245+/-0.010 χ^2/NDF:2449067.6/19

Out: 40.697+/-0.010 χ^2/NDF:2859104.7/23

All: 41.890+/-0.007 χ^2/NDF: 5341431.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

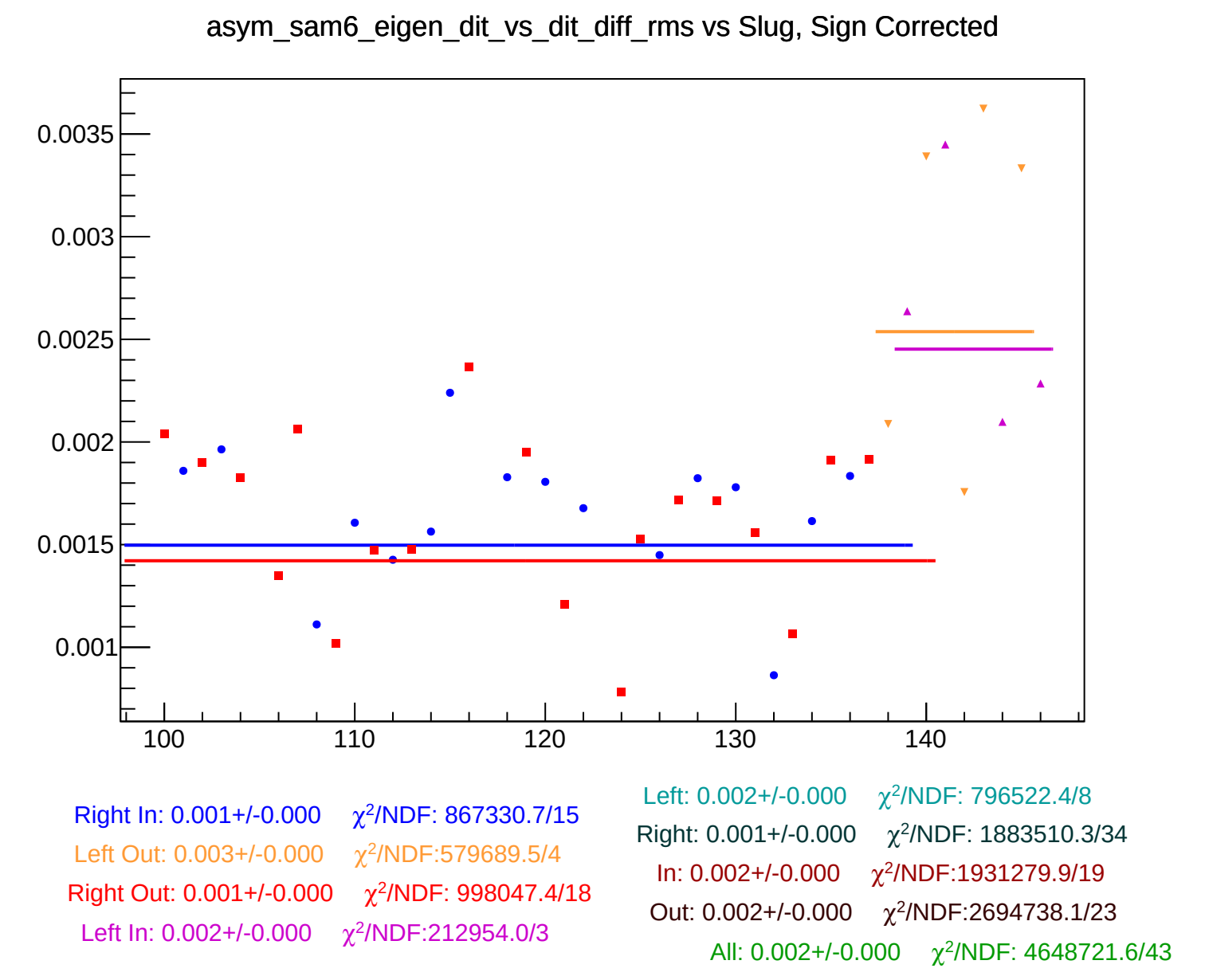
Left: 0.000+/-0.000 χ^2/NDF: 11.0/8

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

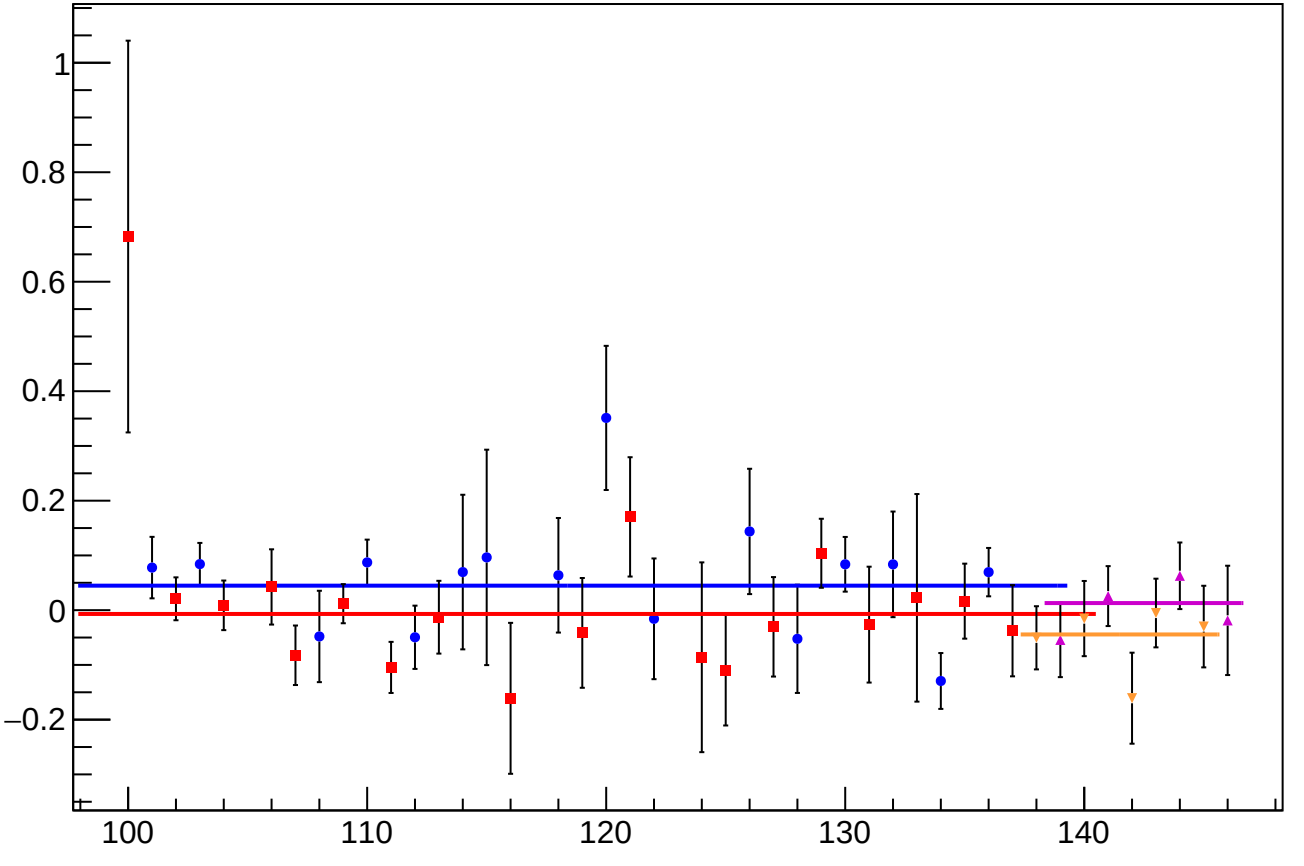
In: -0.000+/-0.000 χ^2/NDF:14.4/19

Out: 0.000+/-0.000 χ^2/NDF:26.4/23

All: -0.000+/-0.000 χ^2/NDF: 53.7/43


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:579689.5/4
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.002+/-0.000 χ²/NDF:212954.0/3
Left: 0.002+/-0.000 χ²/NDF: 796522.4/8
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:1931279.9/19
Out: 0.002+/-0.000 χ²/NDF:2694738.1/23
All: 0.002+/-0.000 χ²/NDF: 4648721.6/43

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.044+/-0.030 χ^2/NDF:2.6/4

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.013+/-0.033 χ^2/NDF:1.8/3

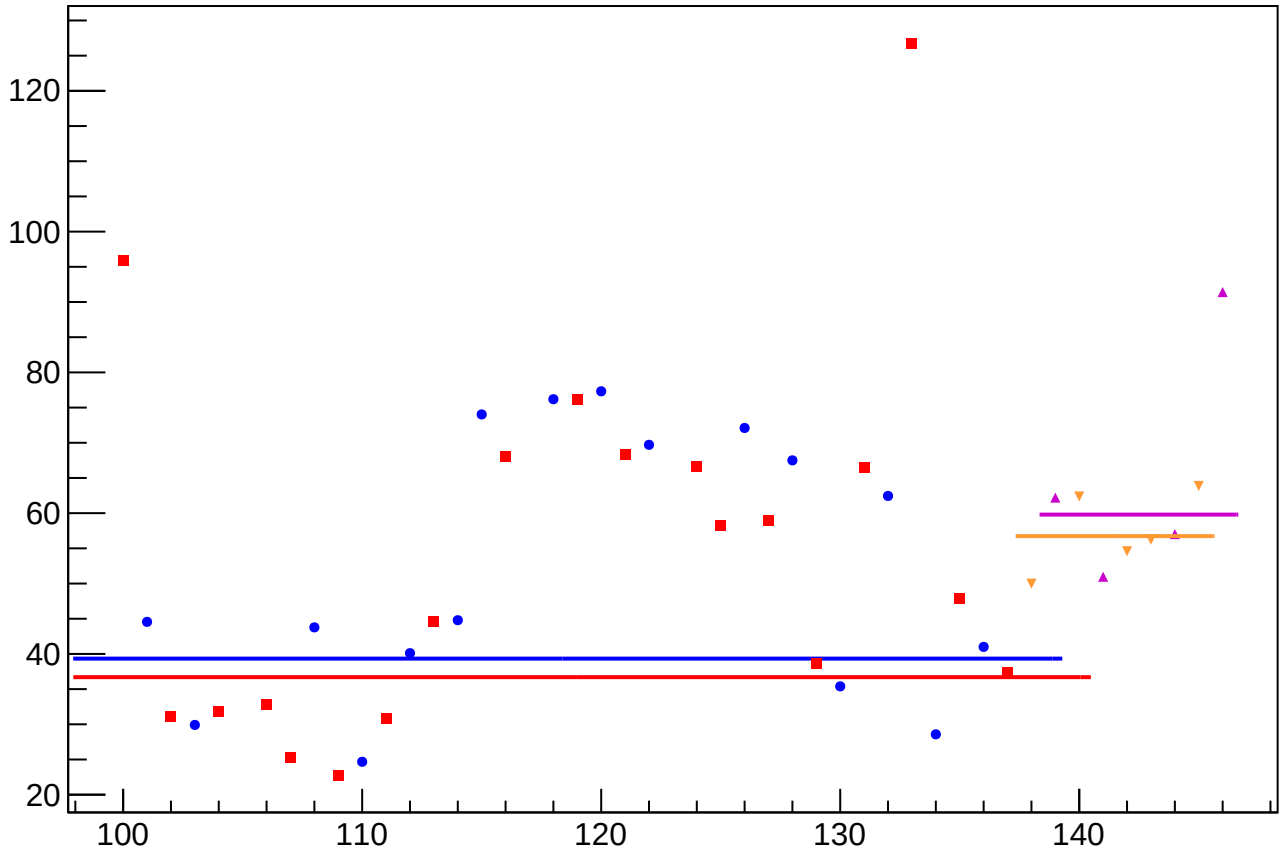
Left: -0.018+/-0.022 χ^2/NDF: 6.0/8

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.014 χ^2/NDF:29.2/19

Out: -0.014+/-0.014 χ^2/NDF:24.0/23

All: 0.010+/-0.010 χ^2/NDF: 60.3/43



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 56.740+/-0.021 χ^2/NDF:60700.6/4

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 59.795+/-0.023 χ^2/NDF:259194.4/3

Left: 58.138+/-0.016 χ^2/NDF: 329210.5/8

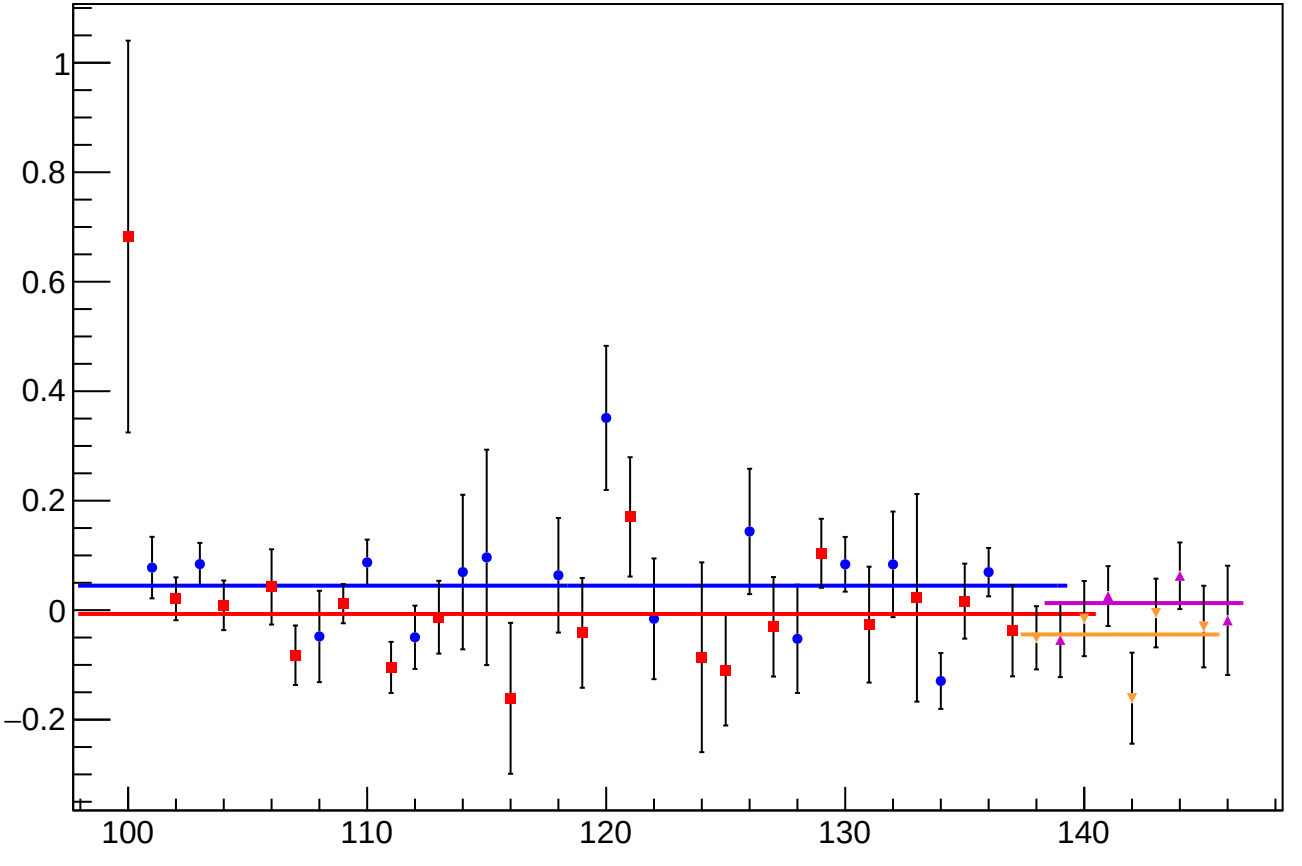
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 43.244+/-0.010 χ^2/NDF:2449104.0/19

Out: 40.696+/-0.010 χ^2/NDF:2859077.2/23

All: 41.889+/-0.007 χ^2/NDF: 5341433.6/43

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: -0.044+/-0.030 χ^2/NDF:2.6/4

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.013+/-0.033 χ^2/NDF:1.8/3

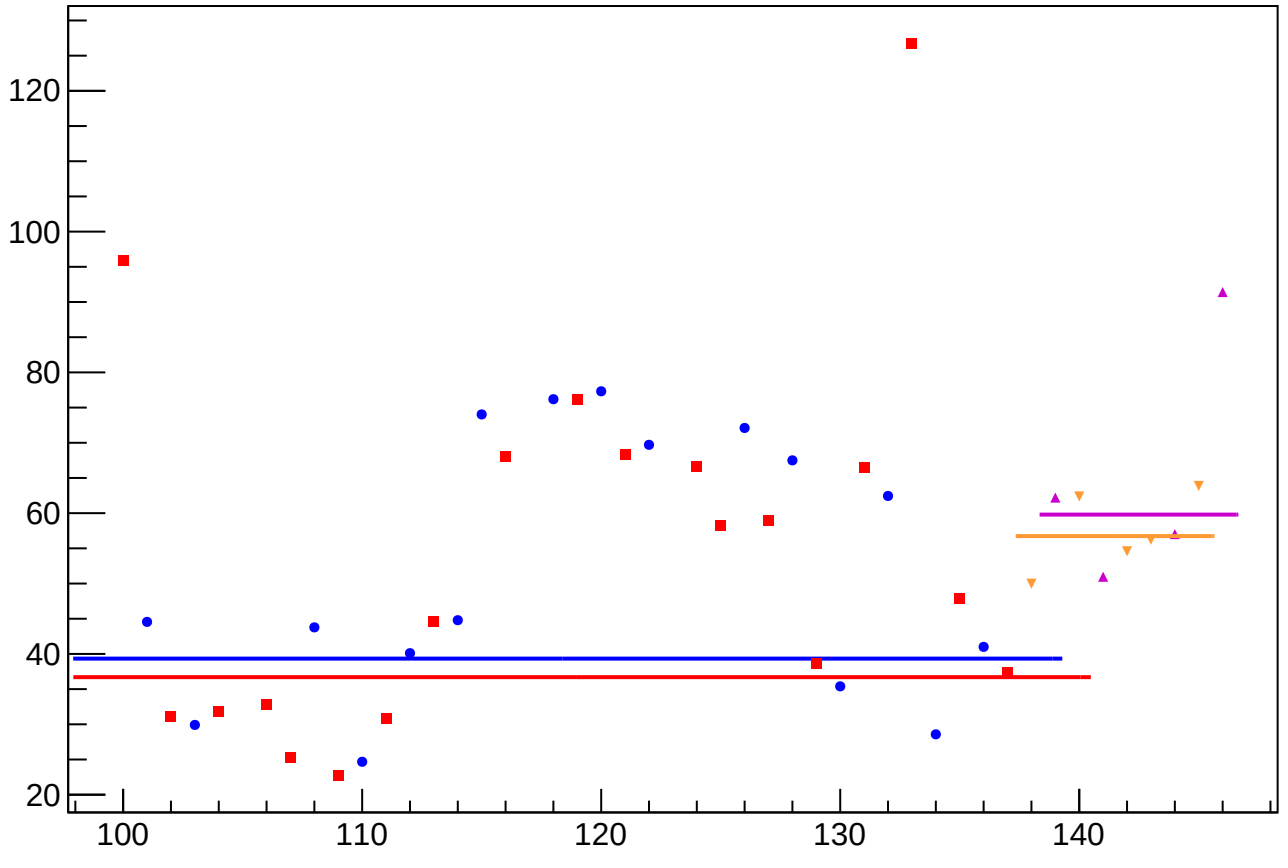
Left: -0.018+/-0.022 χ^2/NDF: 6.0/8

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.014 χ^2/NDF:29.2/19

Out: -0.014+/-0.014 χ^2/NDF:24.0/23

All: 0.010+/-0.010 χ^2/NDF: 60.3/43



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 56.740+/-0.021 χ^2/NDF:60700.6/4

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 59.795+/-0.023 χ^2/NDF:259194.4/3

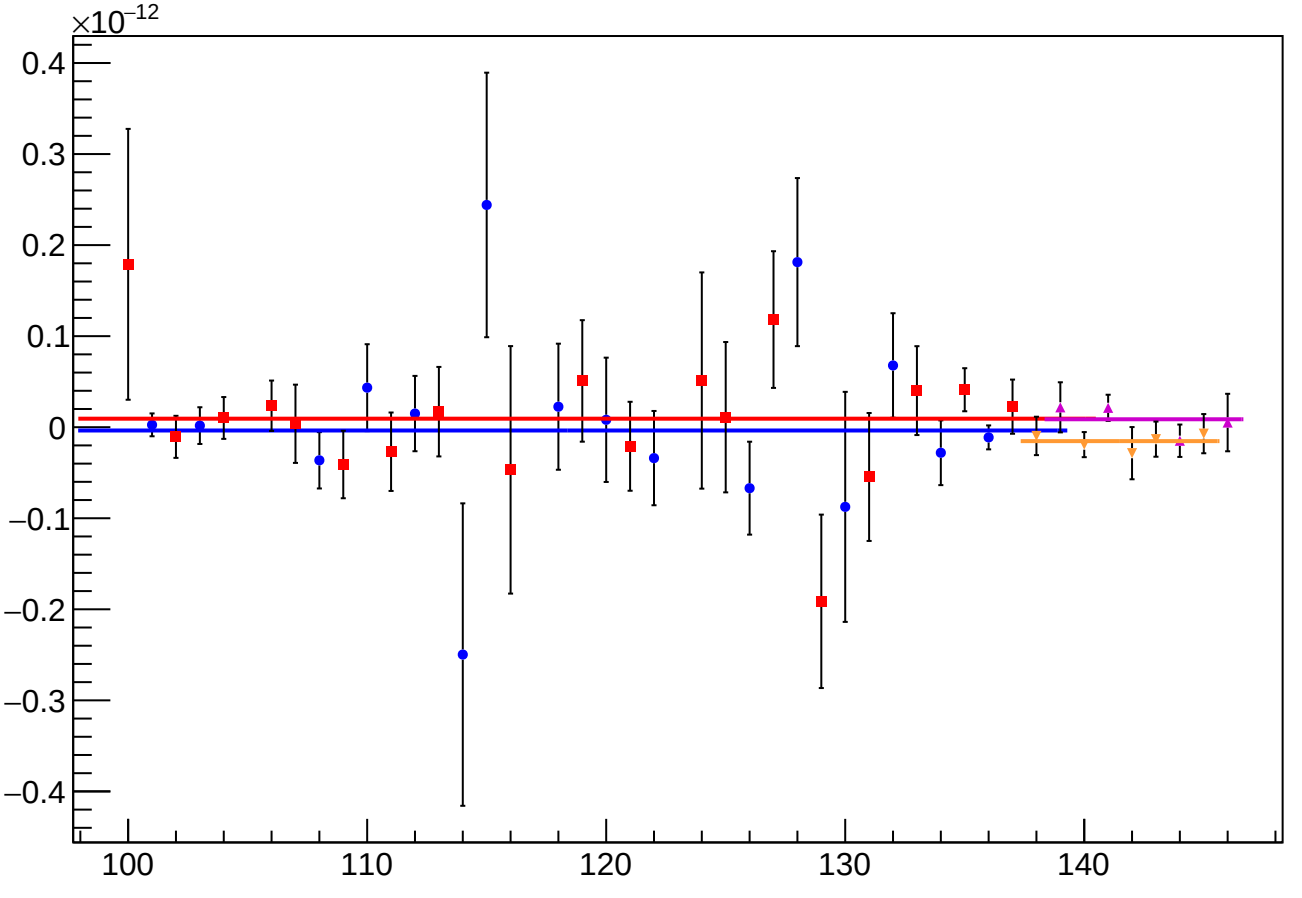
Left: 58.138+/-0.016 χ^2/NDF: 329210.5/8

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 43.244+/-0.010 χ^2/NDF:2449104.0/19

Out: 40.696+/-0.010 χ^2/NDF:2859077.2/23

All: 41.889+/-0.007 χ^2/NDF: 5341433.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/3

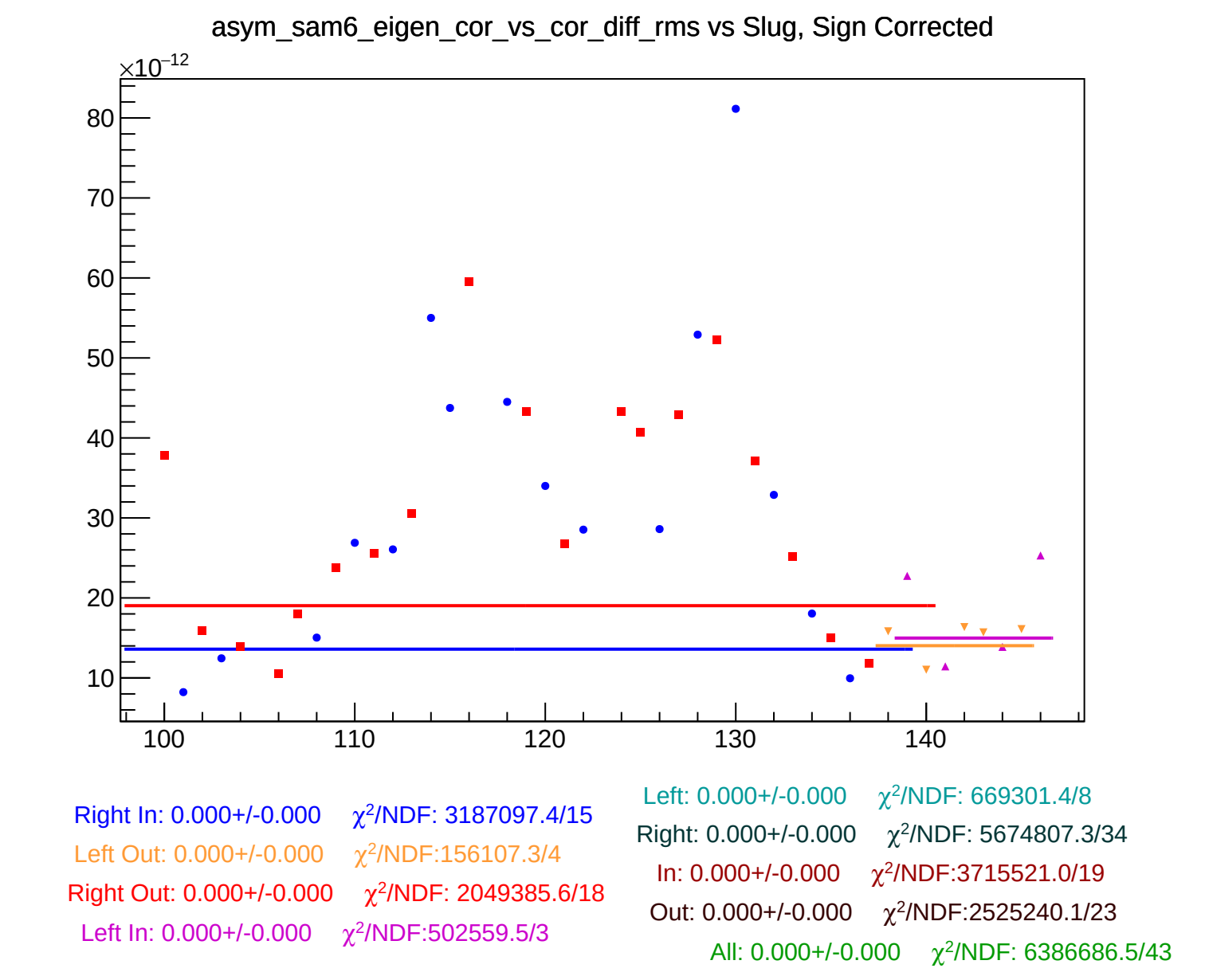
Left: -0.000+/-0.000 χ^2/NDF: 6.7/8

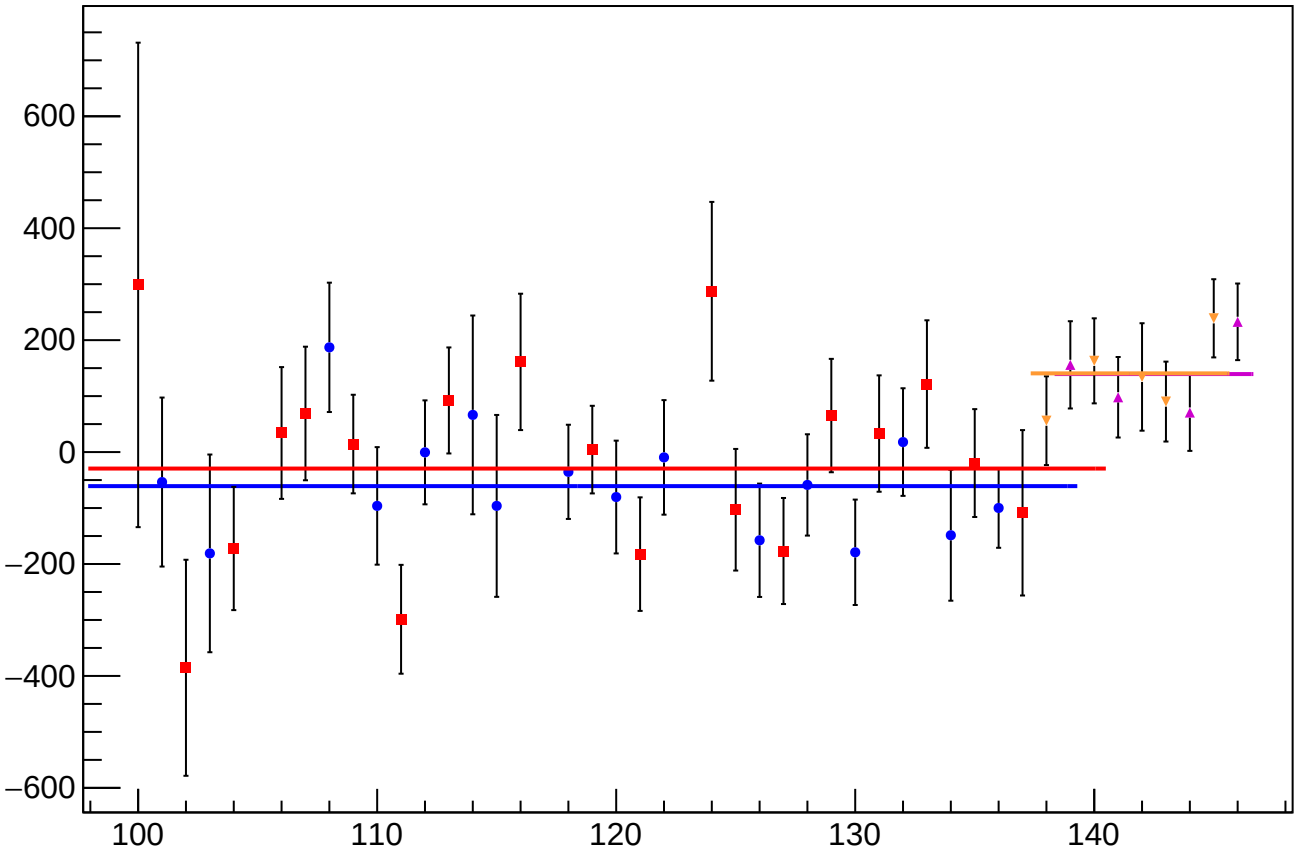
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:20.4/19

Out: -0.000+/-0.000 χ^2/NDF:20.2/23

All: -0.000+/-0.000 χ^2/NDF: 40.8/43


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
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:156107.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:502559.5/3
Left: 0.000+/-0.000 χ²/NDF: 669301.4/8
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:3715521.0/19
Out: 0.000+/-0.000 χ²/NDF:2525240.1/23
All: 0.000+/-0.000 χ²/NDF: 6386686.5/43



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 140.634+/-34.465 χ^2/NDF:3.7/4

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 139.391+/-35.711 χ^2/NDF:3.2/3

Left: 140.035+/-24.799 χ^2/NDF: 7.0/8

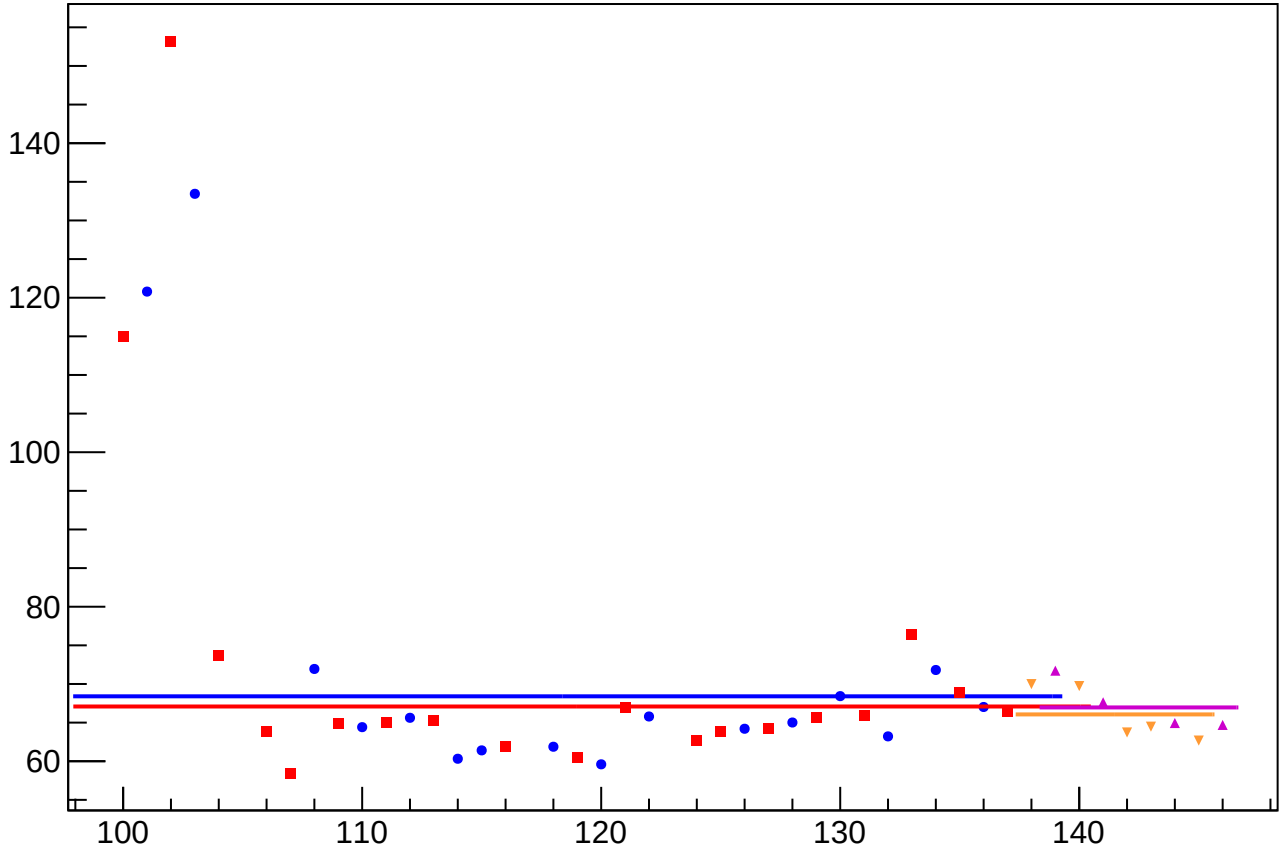
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 8.711+/-21.047 χ^2/NDF:34.3/19

Out: 29.509+/-20.293 χ^2/NDF:50.8/23

All: 19.490+/-14.609 χ^2/NDF: 85.7/43

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 66.061+/-0.024 χ^2/NDF:16425.1/4

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

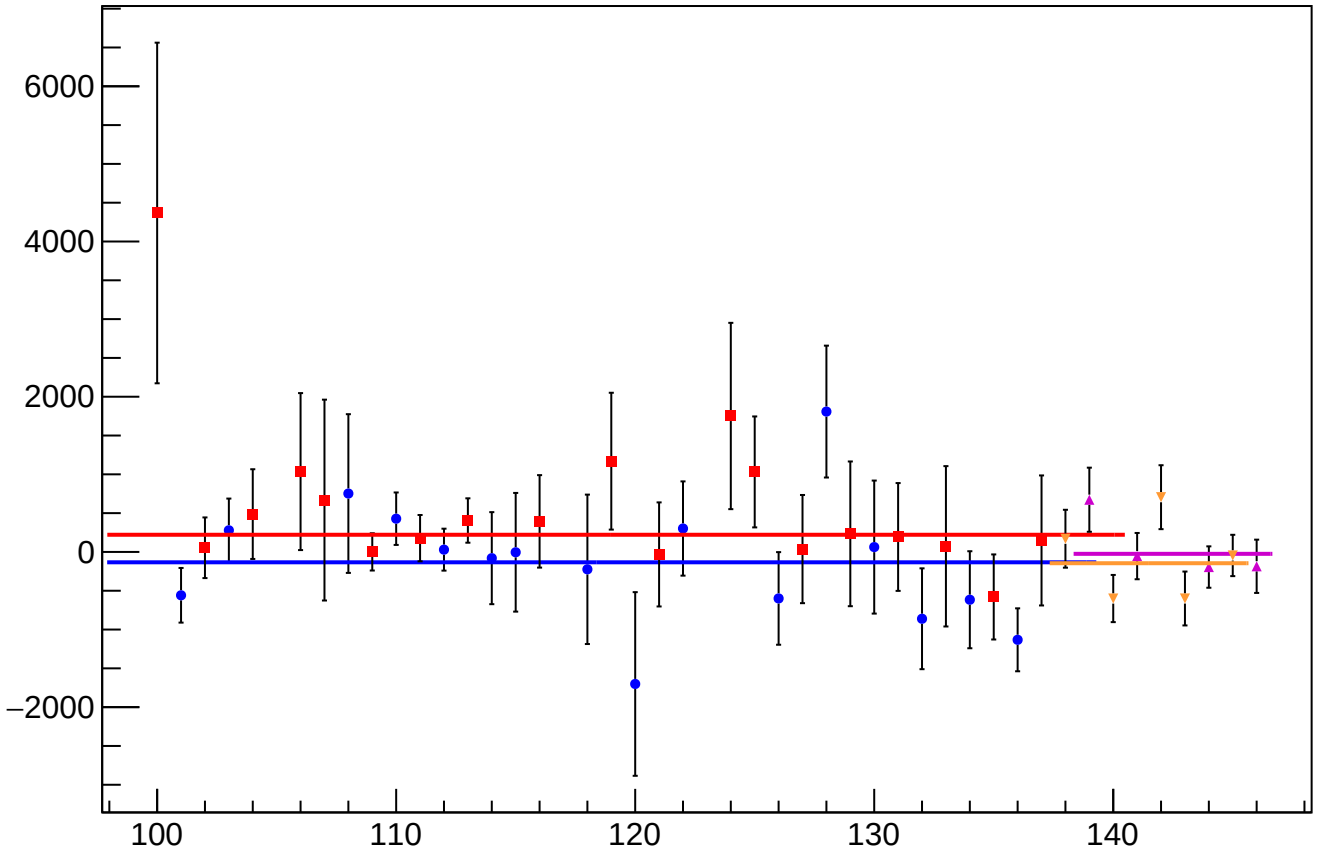
Left: 66.496+/-0.018 χ^2/NDF: 28629.8/8

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 67.903+/-0.015 χ^2/NDF:583220.6/19

Out: 66.730+/-0.014 χ^2/NDF:499395.5/23

All: 67.295+/-0.010 χ^2/NDF: 1085834.4/43



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -145.382+/-146.949 χ^2/NDF:9.1/4

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: -24.412+/-158.802 χ^2/NDF:3.5/3

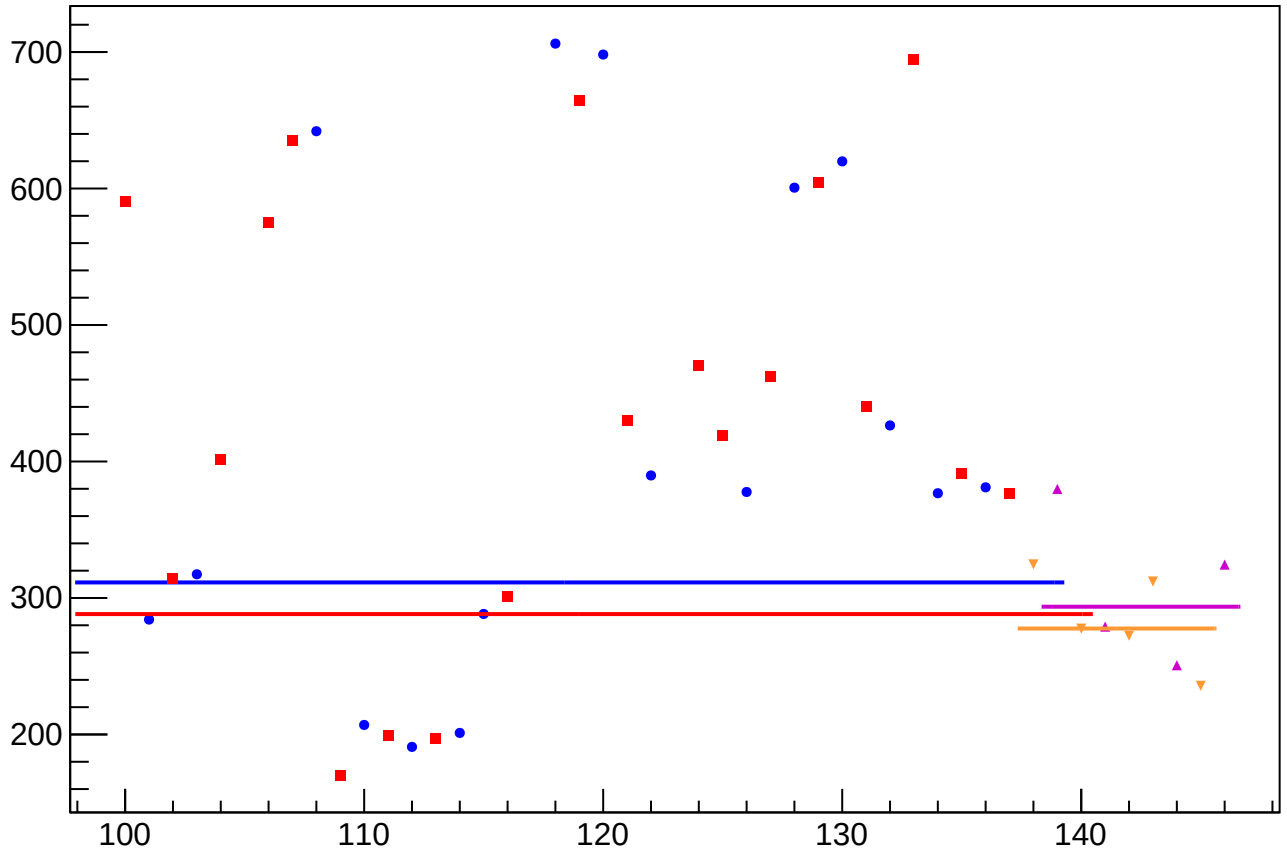
Left: -89.579+/-107.856 χ^2/NDF: 12.9/8

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -91.450+/-98.658 χ^2/NDF:26.2/19

Out: 77.888+/-91.905 χ^2/NDF:25.4/23

All: -0.787+/-67.247 χ^2/NDF: 53.2/43



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 277.629+/-0.104 χ^2/NDF:101457.1/4

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 293.607+/-0.112 χ^2/NDF:159988.9/3

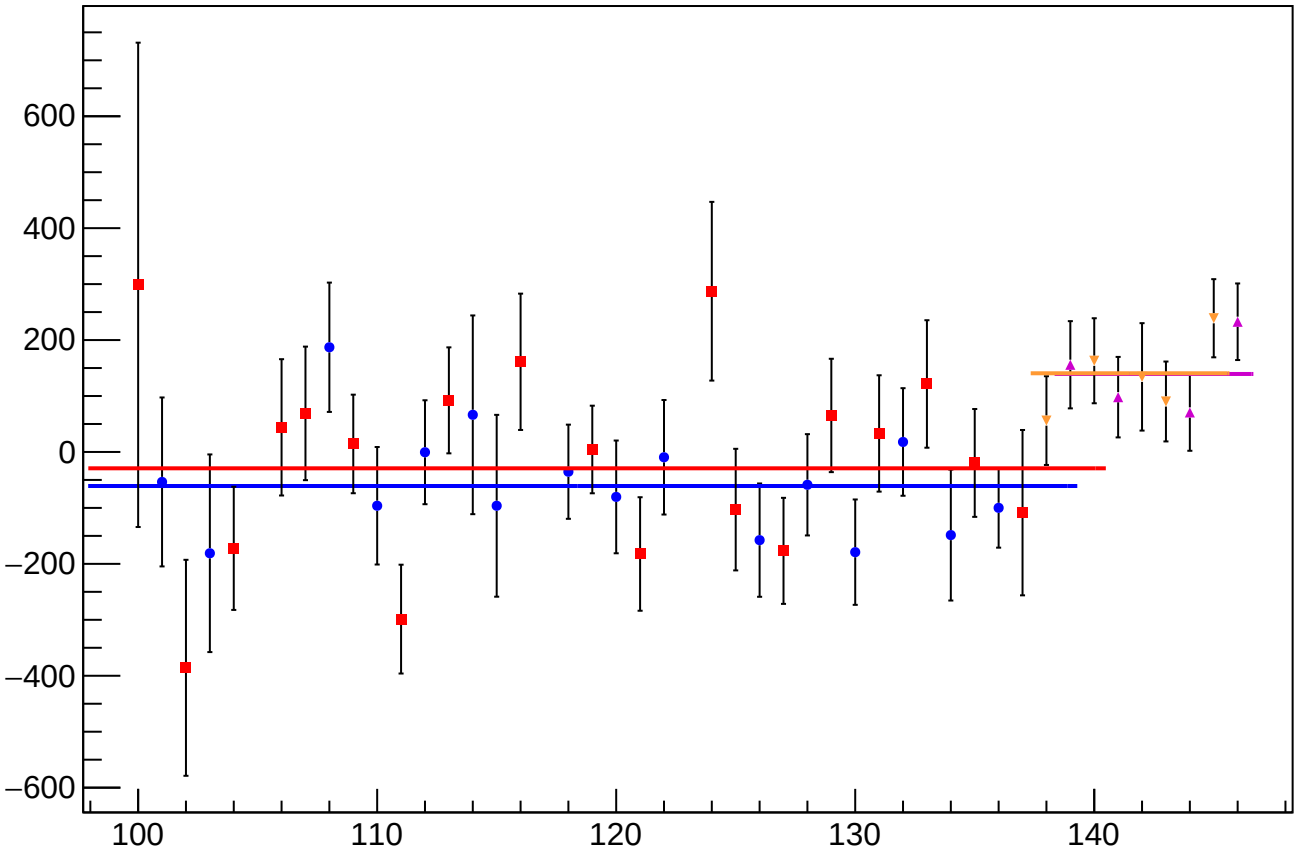
Left: 284.999+/-0.076 χ^2/NDF: 272354.3/8

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 304.524+/-0.070 χ^2/NDF:2299179.1/19

Out: 284.068+/-0.065 χ^2/NDF:2823145.3/23

All: 293.572+/-0.048 χ^2/NDF: 5168359.2/43



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 140.633+/-34.465 χ^2/NDF:3.7/4

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 139.388+/-35.711 χ^2/NDF:3.2/3

Left: 140.032+/-24.799 χ^2/NDF: 7.0/8

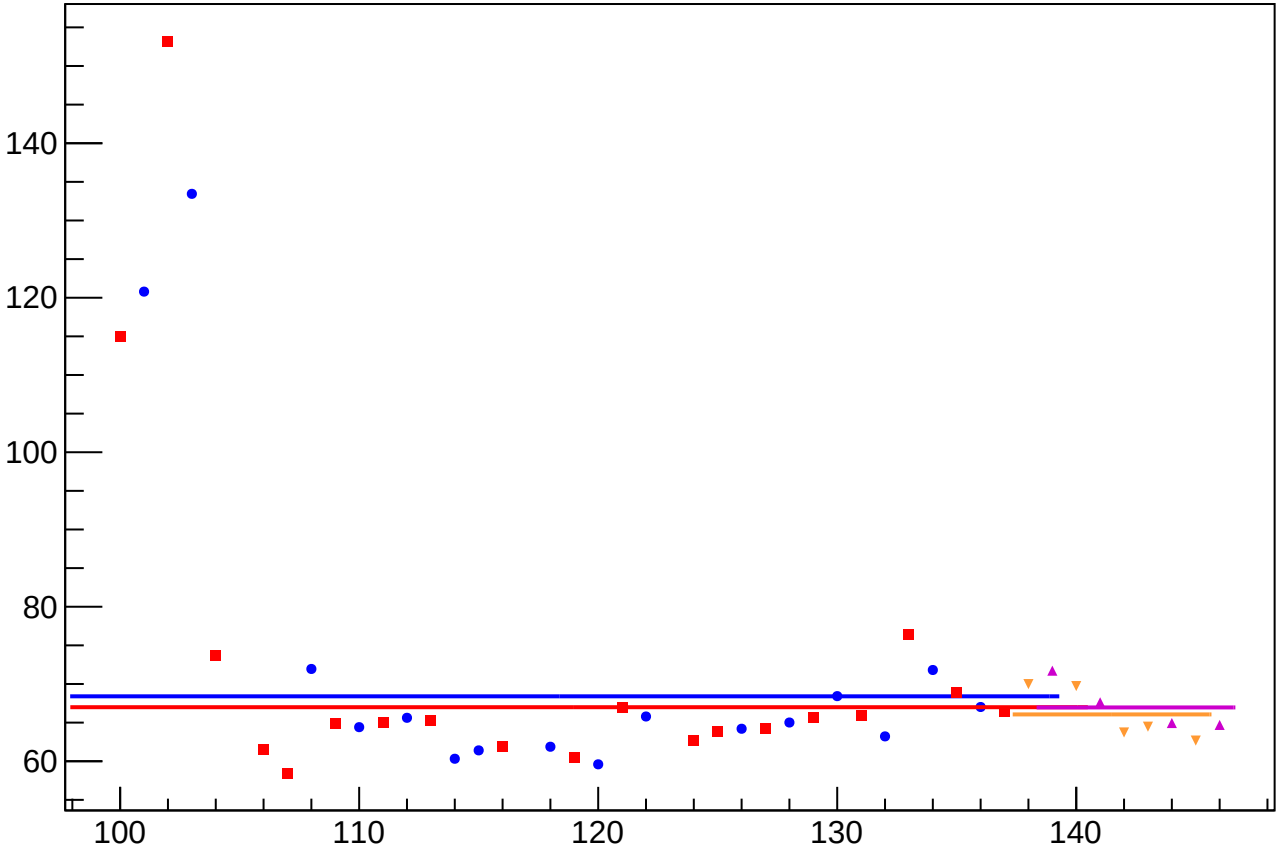
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 8.709+/-21.047 χ^2/NDF:34.3/19

Out: 29.776+/-20.312 χ^2/NDF:50.8/23

All: 19.617+/-14.616 χ^2/NDF: 85.7/43

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 66.061+/-0.024 χ^2/NDF:16425.1/4

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

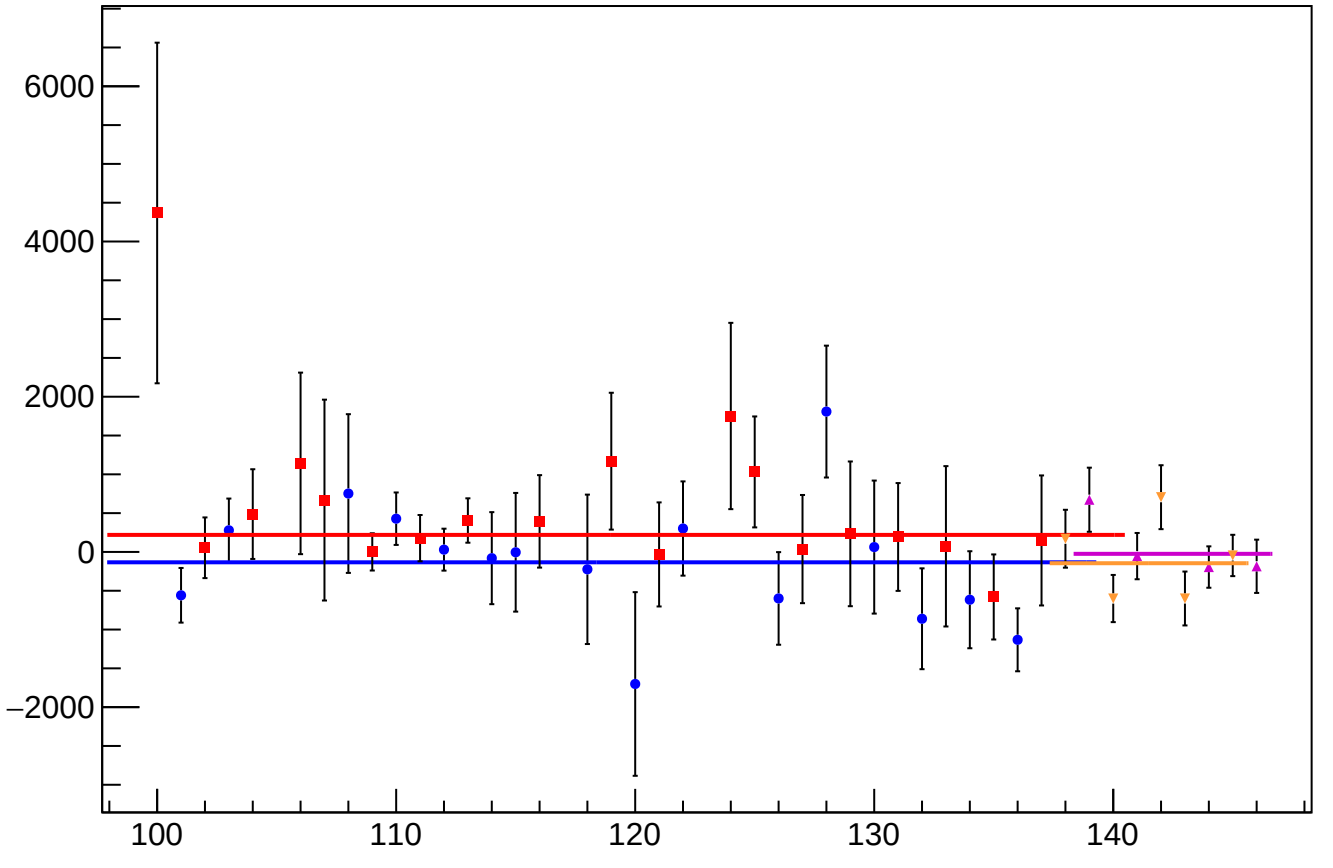
Left: 66.496+/-0.018 χ^2/NDF: 28629.8/8

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.903+/-0.015 χ^2/NDF:583220.9/19

Out: 66.670+/-0.014 χ^2/NDF:501870.8/23

All: 67.265+/-0.010 χ^2/NDF: 1088645.4/43



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -145.379+/-146.949 χ^2/NDF:9.1/4

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -24.418+/-158.802 χ^2/NDF:3.5/3

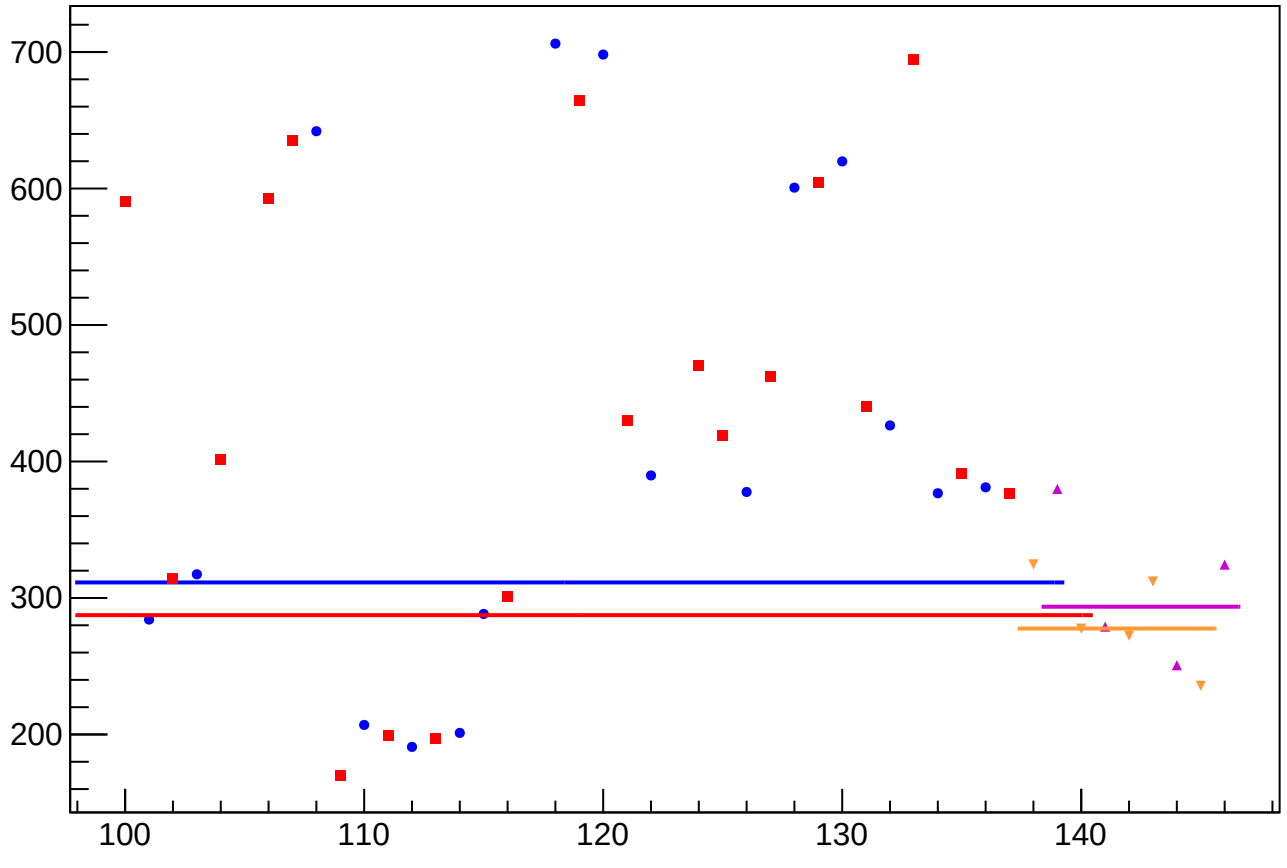
Left: -89.581+/-107.856 χ^2/NDF: 12.9/8

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -91.451+/-98.658 χ^2/NDF:26.2/19

Out: 76.543+/-92.003 χ^2/NDF:25.3/23

All: -1.596+/-67.286 χ^2/NDF: 53.1/43


asym_sam7_cor_correction_rms vs Slug, Sign Corrected
700
600
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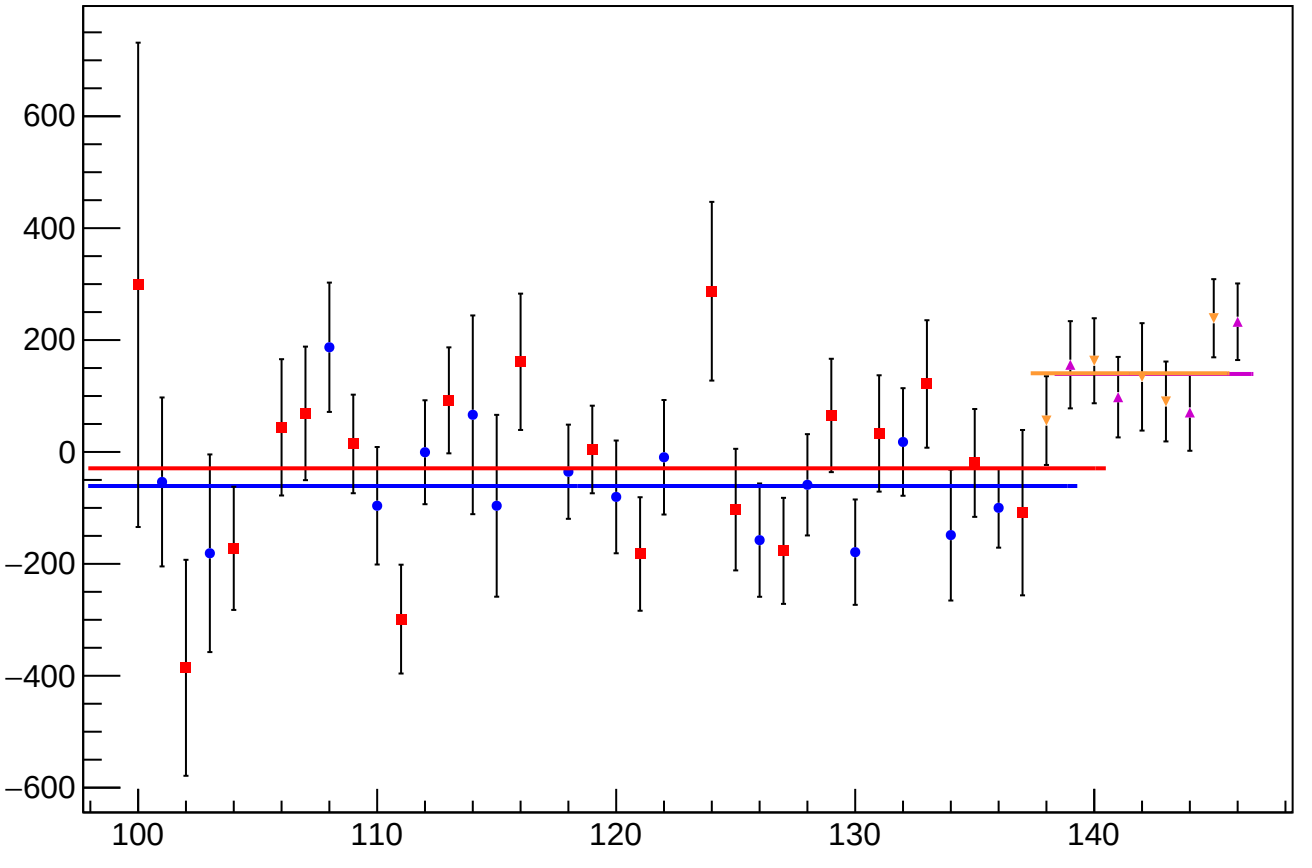
400
300
200
100
110
120
130
140
Right In: 311.388+/-0.089 χ²/NDF: 2123799.0/15
Left Out: 277.628+/-0.104 χ²/NDF:101455.0/4
Right Out: 287.413+/-0.083 χ²/NDF: 2690258.0/18
Left In: 293.608+/-0.112 χ²/NDF:159988.4/3
Left: 284.999+/-0.076 χ²/NDF: 272352.7/8
Right: 298.623+/-0.061 χ²/NDF: 4852668.8/34
In: 304.525+/-0.070 χ²/NDF:2299182.7/19
Out: 283.578+/-0.065 χ²/NDF:2797104.6/23
All: 293.321+/-0.048 χ²/NDF: 5144513.3/43



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 140.633+/-34.465 χ^2/NDF:3.7/4

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 139.388+/-35.711 χ^2/NDF:3.2/3

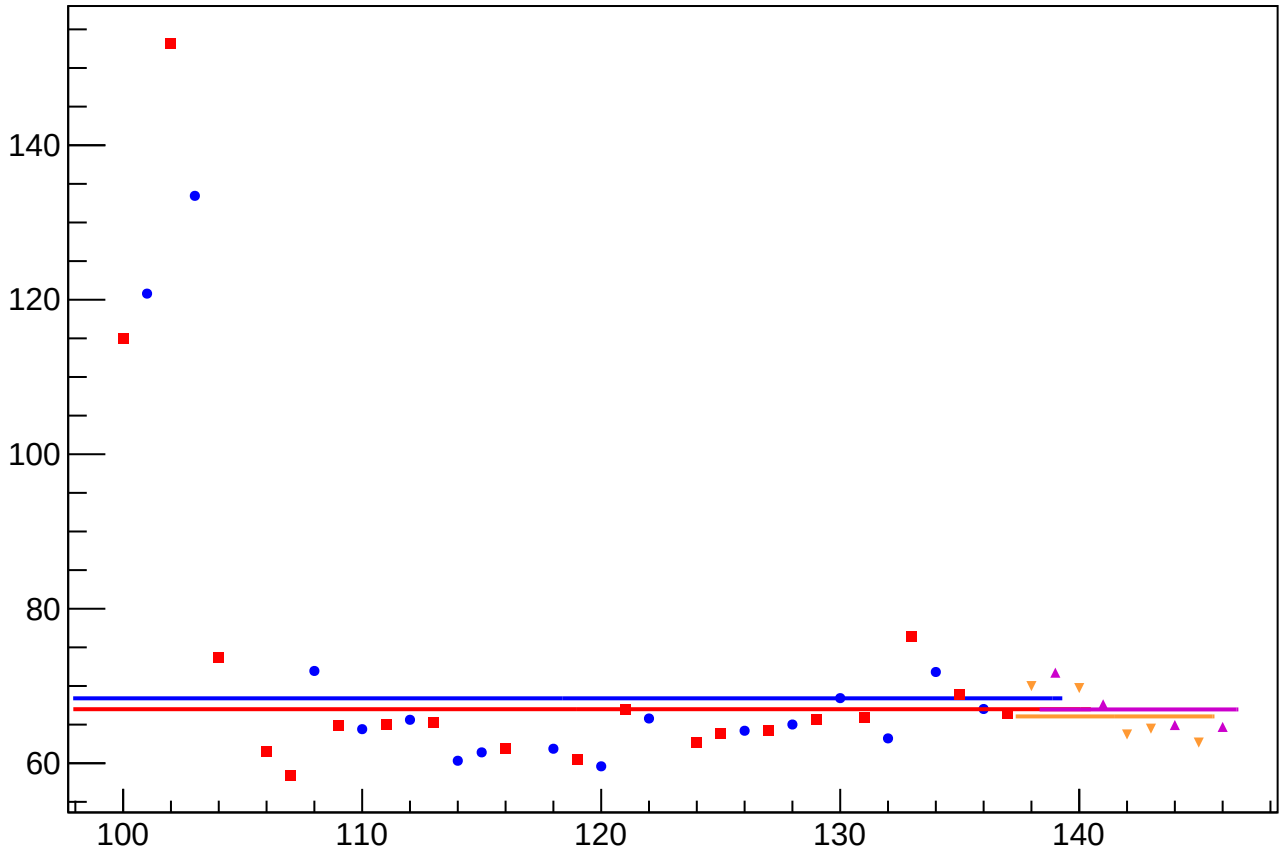
Left: 140.032+/-24.799 χ^2/NDF: 7.0/8

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 8.709+/-21.047 χ^2/NDF:34.3/19

Out: 29.776+/-20.312 χ^2/NDF:50.8/23

All: 19.617+/-14.616 χ^2/NDF: 85.7/43



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 66.061+/-0.024 χ^2/NDF:16425.1/4

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

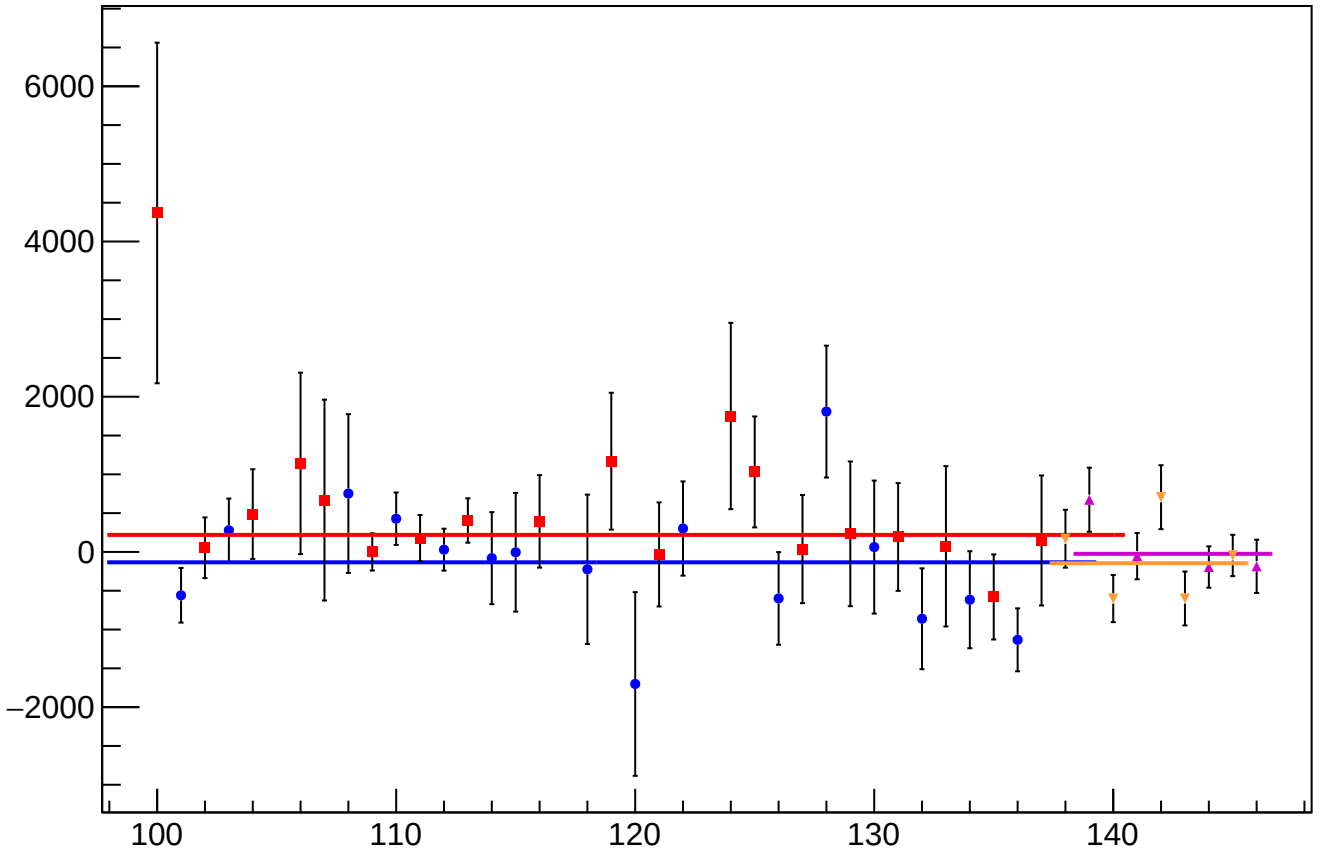
Left: 66.496+/-0.018 χ^2/NDF: 28629.8/8

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.903+/-0.015 χ^2/NDF:583220.9/19

Out: 66.670+/-0.014 χ^2/NDF:501870.8/23

All: 67.265+/-0.010 χ^2/NDF: 1088645.4/43



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -145.379+/-146.949 χ^2/NDF:9.1/4

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -24.418+/-158.802 χ^2/NDF:3.5/3

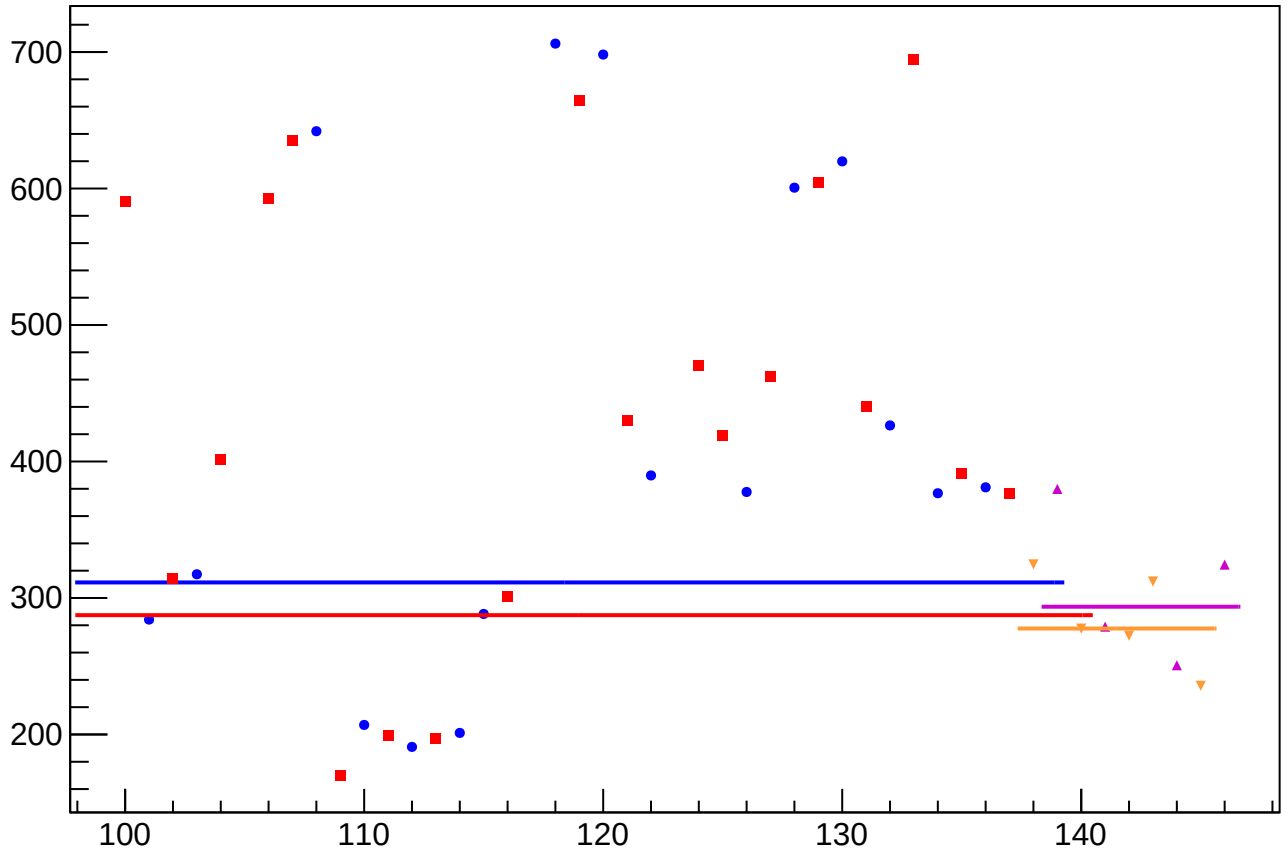
Left: -89.581+/-107.856 χ^2/NDF: 12.9/8

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -91.451+/-98.658 χ^2/NDF:26.2/19

Out: 76.543+/-92.003 χ^2/NDF:25.3/23

All: -1.596+/-67.286 χ^2/NDF: 53.1/43



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 277.628+/-0.104 χ^2/NDF:101455.0/4

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 293.608+/-0.112 χ^2/NDF:159988.4/3

Left: 284.999+/-0.076 χ^2/NDF: 272352.7/8

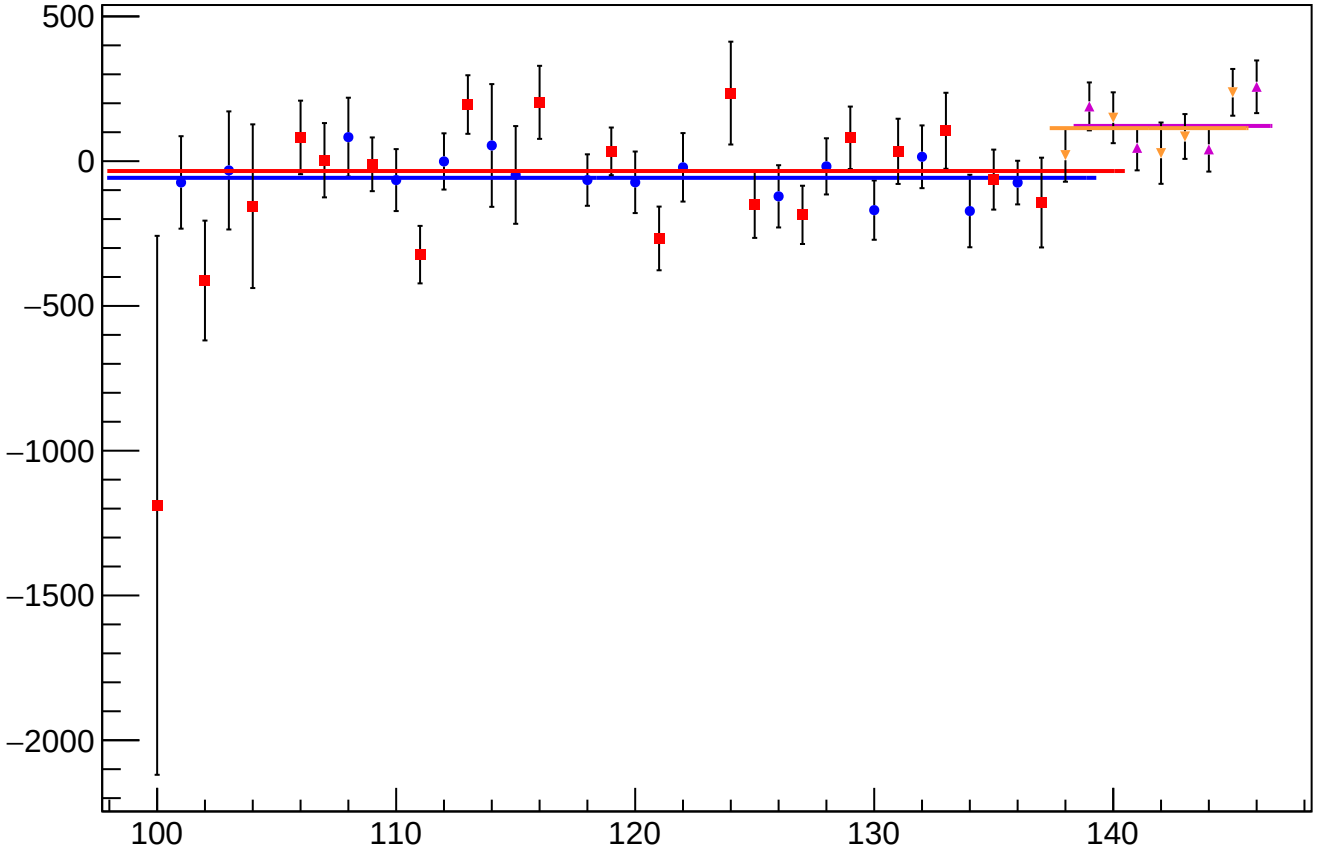
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 304.525+/-0.070 χ^2/NDF:2299182.7/19

Out: 283.578+/-0.065 χ^2/NDF:2797104.6/23

All: 293.321+/-0.048 χ^2/NDF: 5144513.3/43

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 114.106+/-38.982 χ^2/NDF:4.4/4

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 121.739+/-40.785 χ^2/NDF:4.9/3

Left: 117.750+/-28.180 χ^2/NDF: 9.3/8

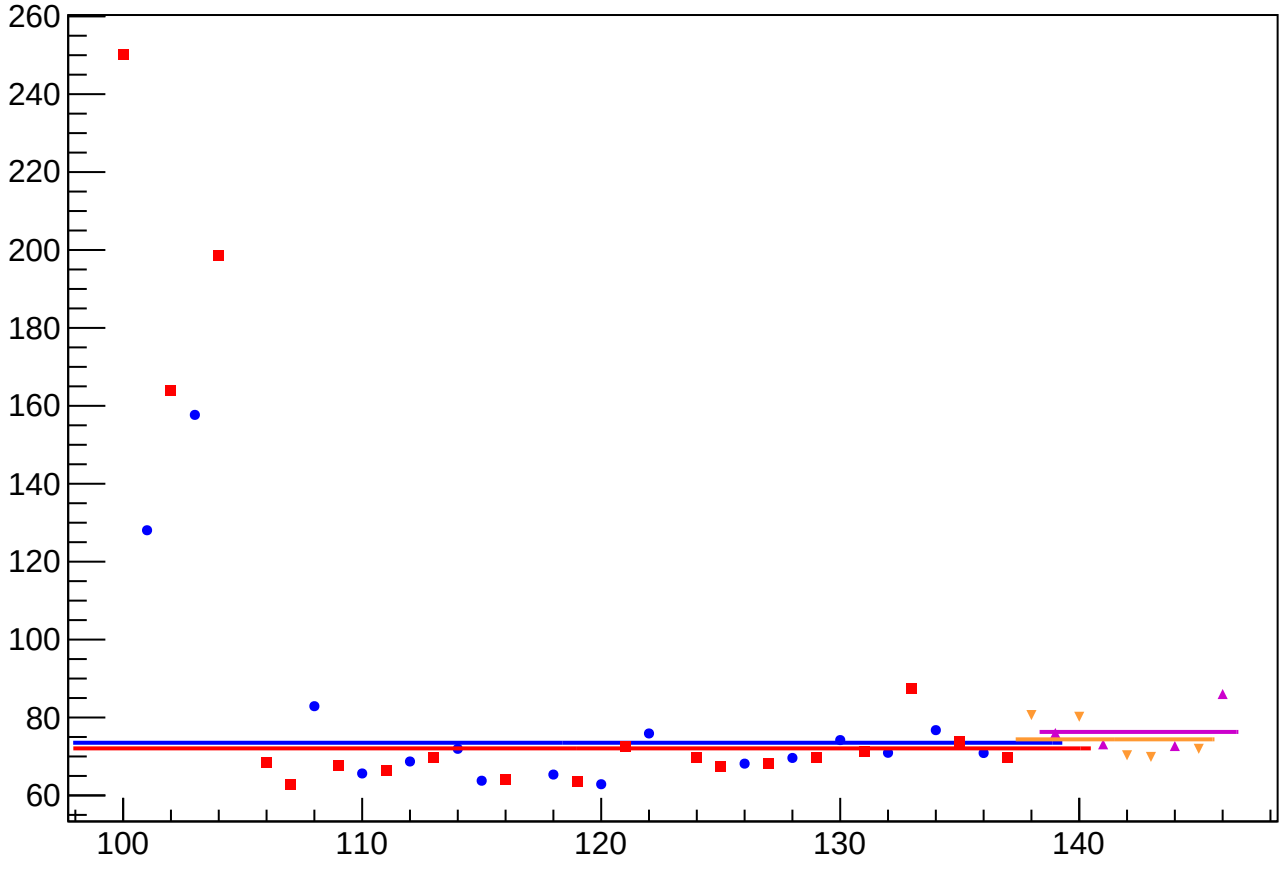
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 0.138+/-23.132 χ^2/NDF:22.9/19

Out: 14.949+/-22.415 χ^2/NDF:51.2/23

All: 7.776+/-16.098 χ^2/NDF: 74.3/43

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 74.394+/-0.028 χ^2/NDF:29542.8/4

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 76.298+/-0.029 χ^2/NDF:30667.7/3

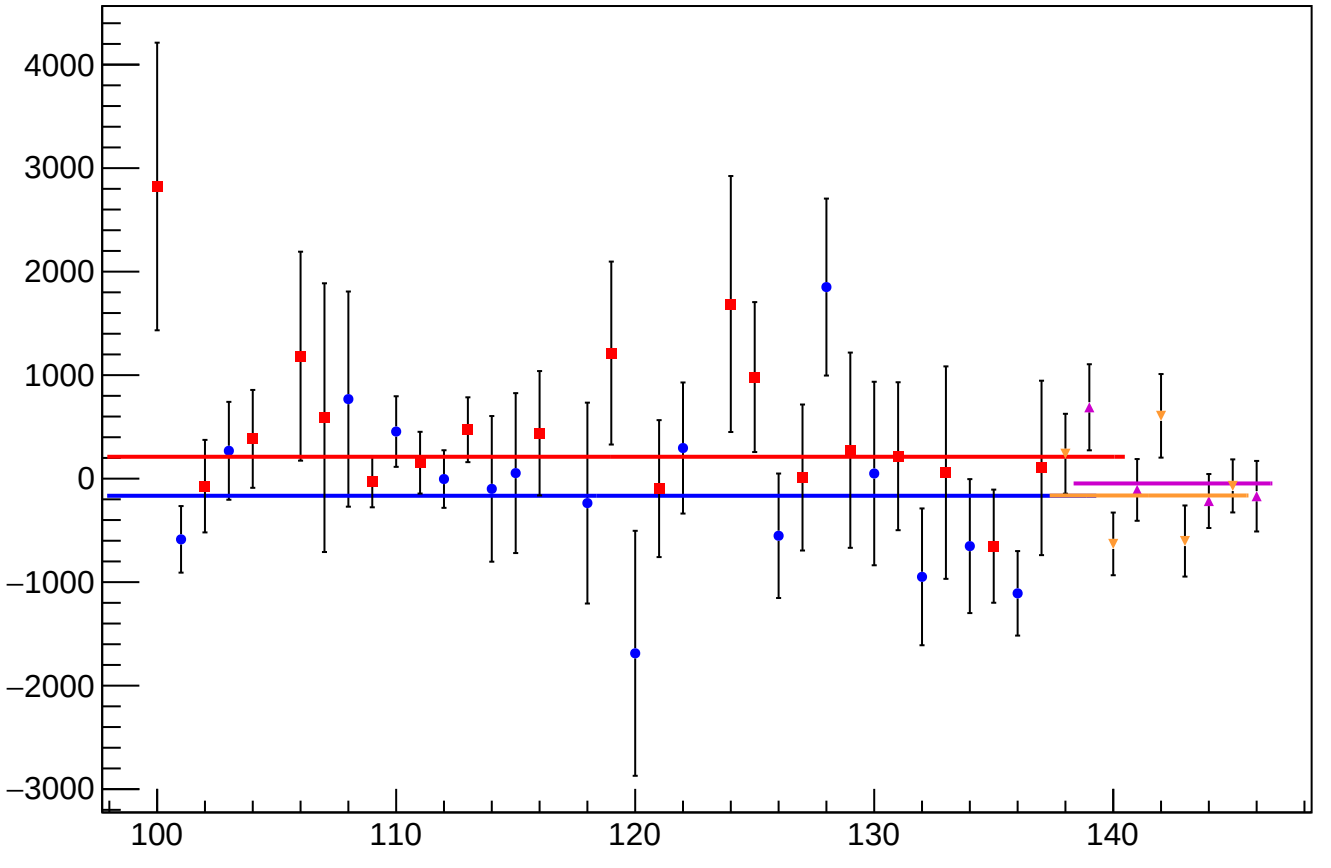
Left: 75.303+/-0.020 χ^2/NDF: 62490.3/8

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 74.413+/-0.016 χ^2/NDF:693815.3/19

Out: 72.841+/-0.016 χ^2/NDF:992777.8/23

All: 73.602+/-0.011 χ^2/NDF: 1691357.9/43



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -162.739+/-145.170 χ^2/NDF:8.9/4

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: -46.524+/-157.442 χ^2/NDF:3.7/3

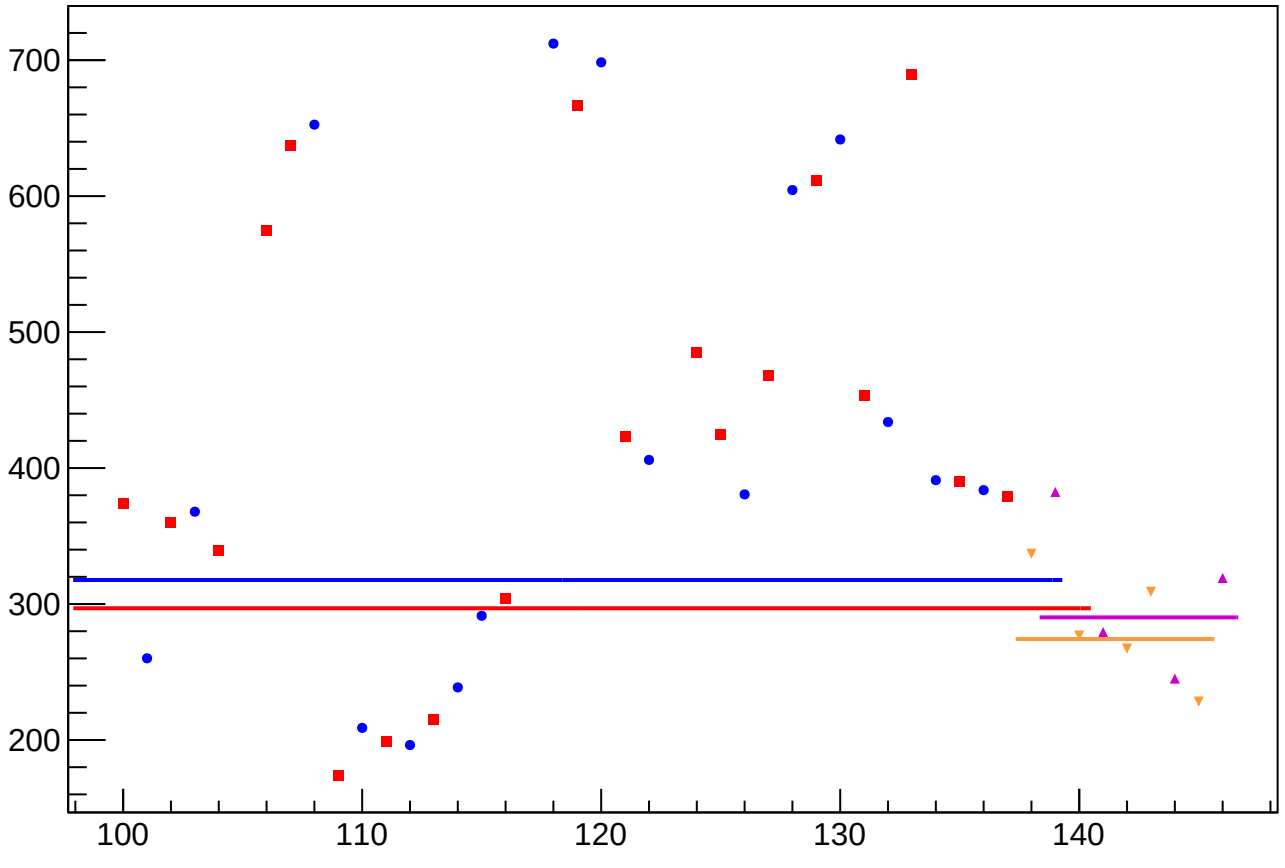
Left: -109.337+/-106.726 χ^2/NDF: 12.9/8

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -117.960+/-99.522 χ^2/NDF:26.7/19

Out: 59.313+/-92.547 χ^2/NDF:26.4/23

All: -22.894+/-67.773 χ^2/NDF: 54.8/43



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 274.258+/-0.103 χ^2/NDF:138485.7/4

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 290.166+/-0.111 χ^2/NDF:175015.2/3

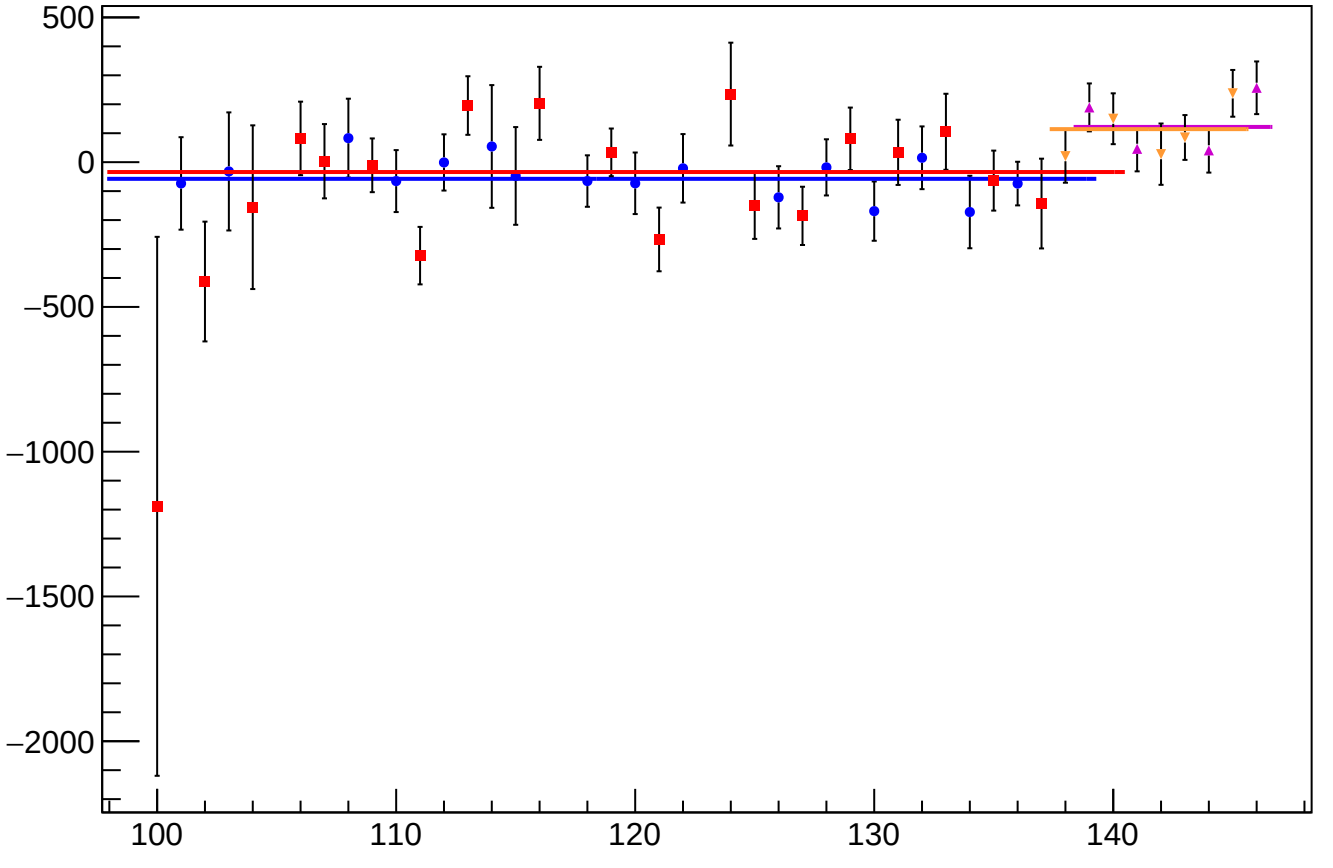
Left: 281.568+/-0.075 χ^2/NDF: 324536.0/8

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 306.676+/-0.070 χ^2/NDF:2347839.5/19

Out: 287.691+/-0.065 χ^2/NDF:2708374.1/23

All: 296.495+/-0.048 χ^2/NDF: 5095244.2/43



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 114.103+/-38.982 χ^2/NDF:4.4/4

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 121.740+/-40.785 χ^2/NDF:4.9/3

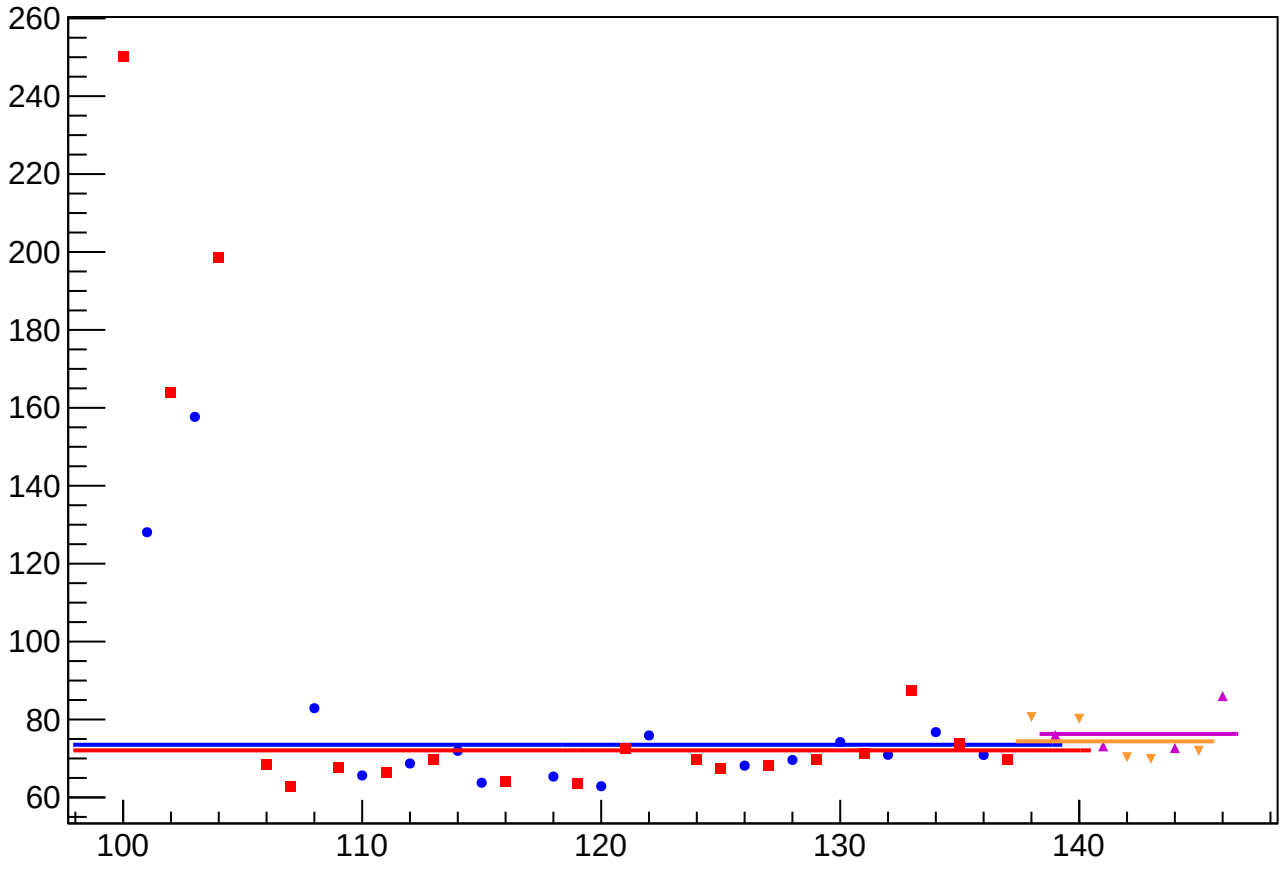
Left: 117.749+/-28.180 χ^2/NDF: 9.3/8

Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 0.138+/-23.132 χ^2/NDF:22.9/19

Out: 14.947+/-22.415 χ^2/NDF:51.2/23

All: 7.776+/-16.098 χ^2/NDF: 74.3/43



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 74.394+/-0.028 χ^2/NDF:29541.6/4

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 76.298+/-0.029 χ^2/NDF:30667.6/3

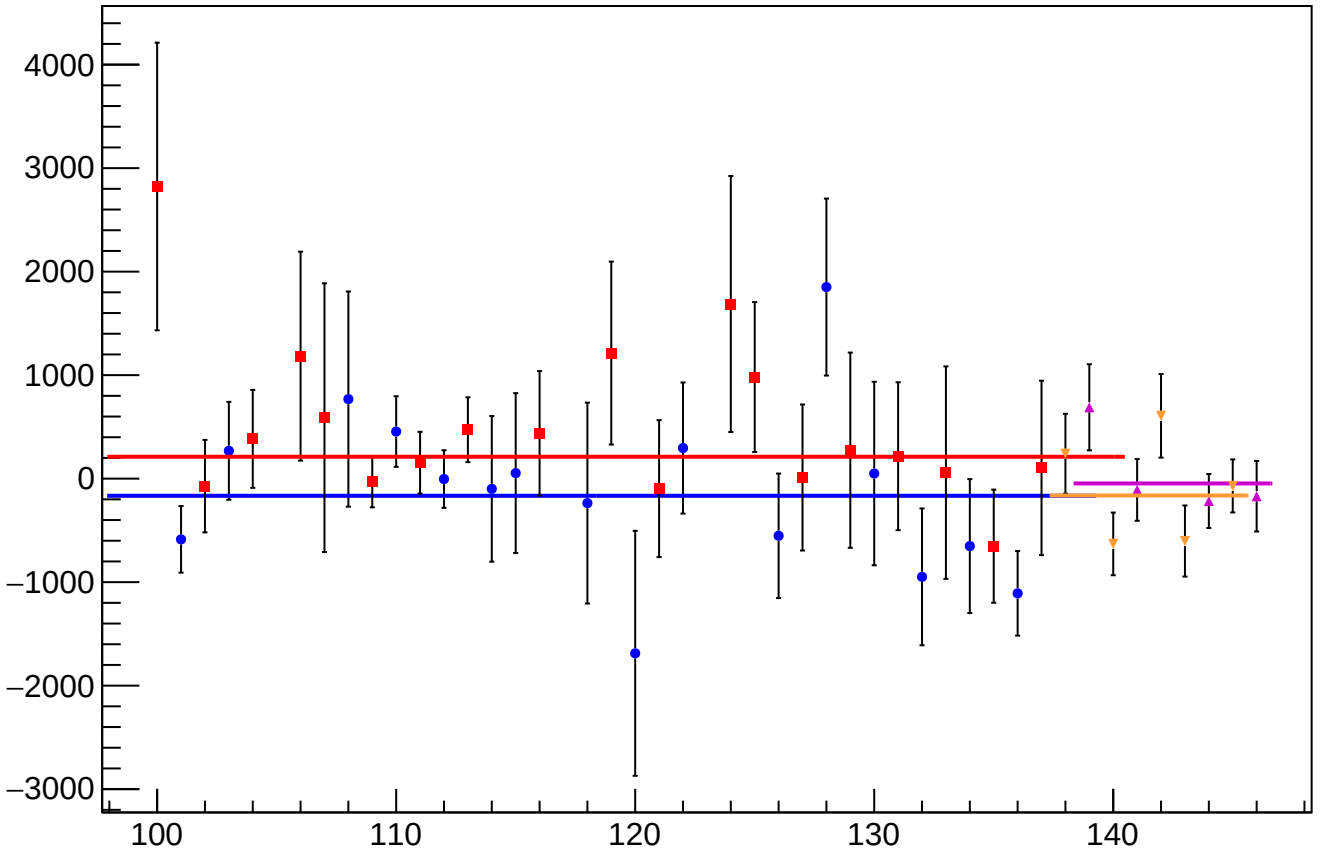
Left: 75.303+/-0.020 χ^2/NDF: 62488.9/8

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 74.413+/-0.016 χ^2/NDF:693818.0/19

Out: 72.841+/-0.016 χ^2/NDF:992778.7/23

All: 73.602+/-0.011 χ^2/NDF: 1691361.1/43



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -162.741+/-145.170 χ^2/NDF:8.9/4

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -46.524+/-157.442 χ^2/NDF:3.7/3

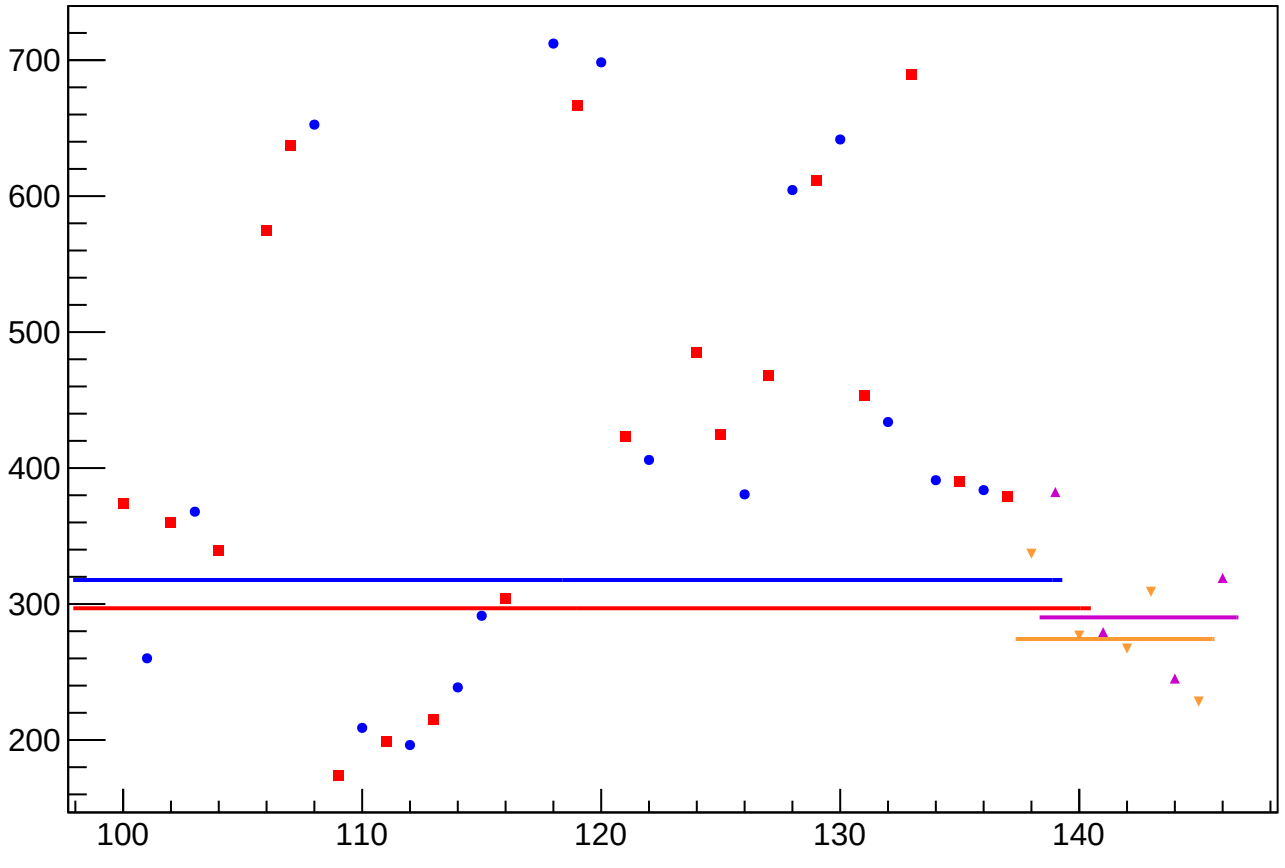
Left: -109.338+/-106.726 χ^2/NDF: 12.9/8

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -117.959+/-99.522 χ^2/NDF:26.7/19

Out: 59.312+/-92.547 χ^2/NDF:26.4/23

All: -22.894+/-67.772 χ^2/NDF: 54.8/43



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 274.258+/-0.103 χ^2/NDF:138487.2/4

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 290.165+/-0.111 χ^2/NDF:175017.4/3

Left: 281.568+/-0.075 χ^2/NDF: 324540.1/8

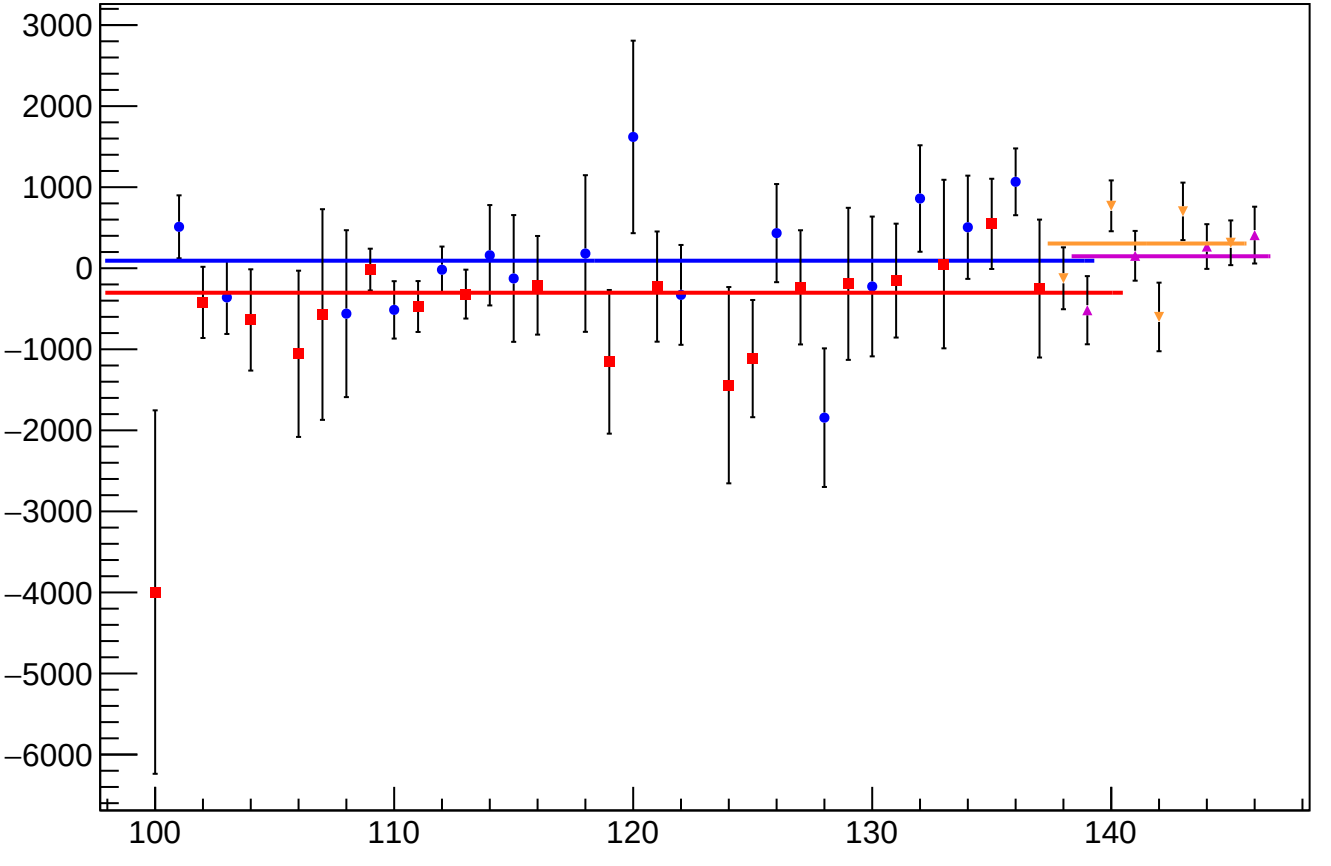
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 306.675+/-0.070 χ^2/NDF:2347867.7/19

Out: 287.690+/-0.065 χ^2/NDF:2708384.3/23

All: 296.494+/-0.048 χ^2/NDF: 5095281.2/43

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 304.887+/-151.273 χ^2/NDF:9.3/4

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 147.706+/-163.172 χ^2/NDF:3.3/3

Left: 232.236+/-110.935 χ^2/NDF: 13.0/8

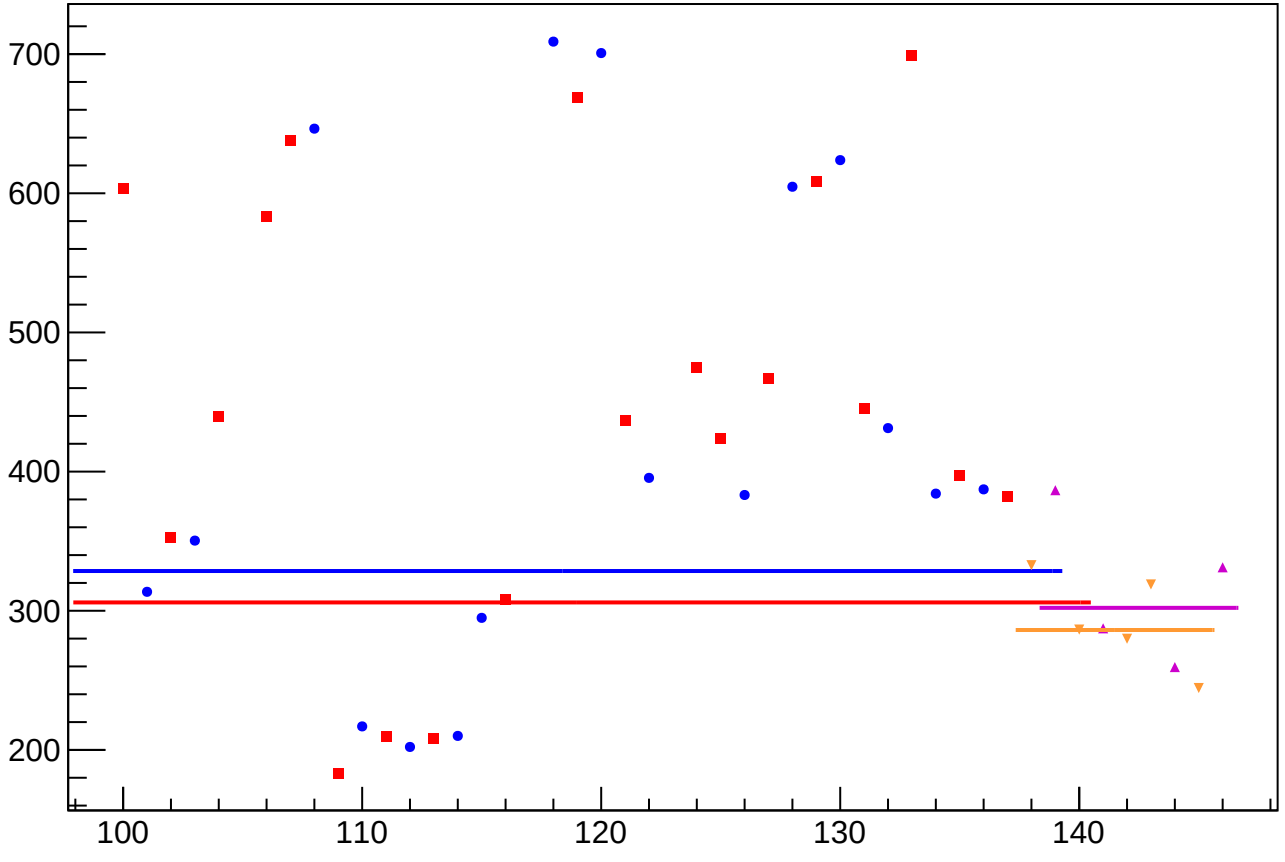
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 114.506+/-102.590 χ^2/NDF:24.1/19

Out: -58.460+/-95.860 χ^2/NDF:29.7/23

All: 22.164+/-70.042 χ^2/NDF: 55.4/43

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 286.178+/-0.107 χ^2/NDF:92913.1/4

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 302.100+/-0.115 χ^2/NDF:146925.9/3

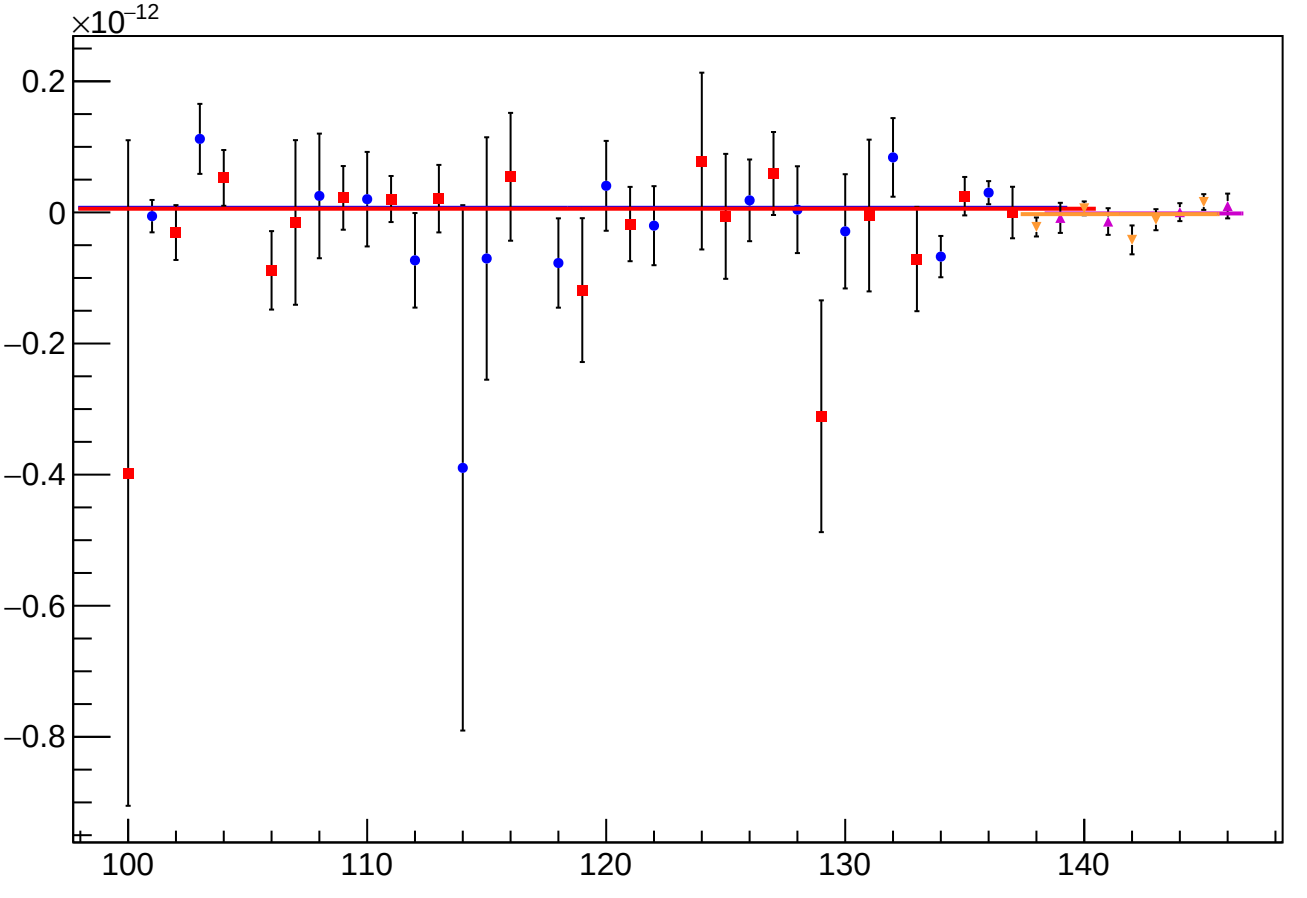
Left: 293.538+/-0.078 χ^2/NDF: 250079.8/8

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 318.105+/-0.073 χ^2/NDF:2137616.9/19

Out: 298.033+/-0.068 χ^2/NDF:2640901.9/23

All: 307.389+/-0.050 χ^2/NDF: 4819388.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/3

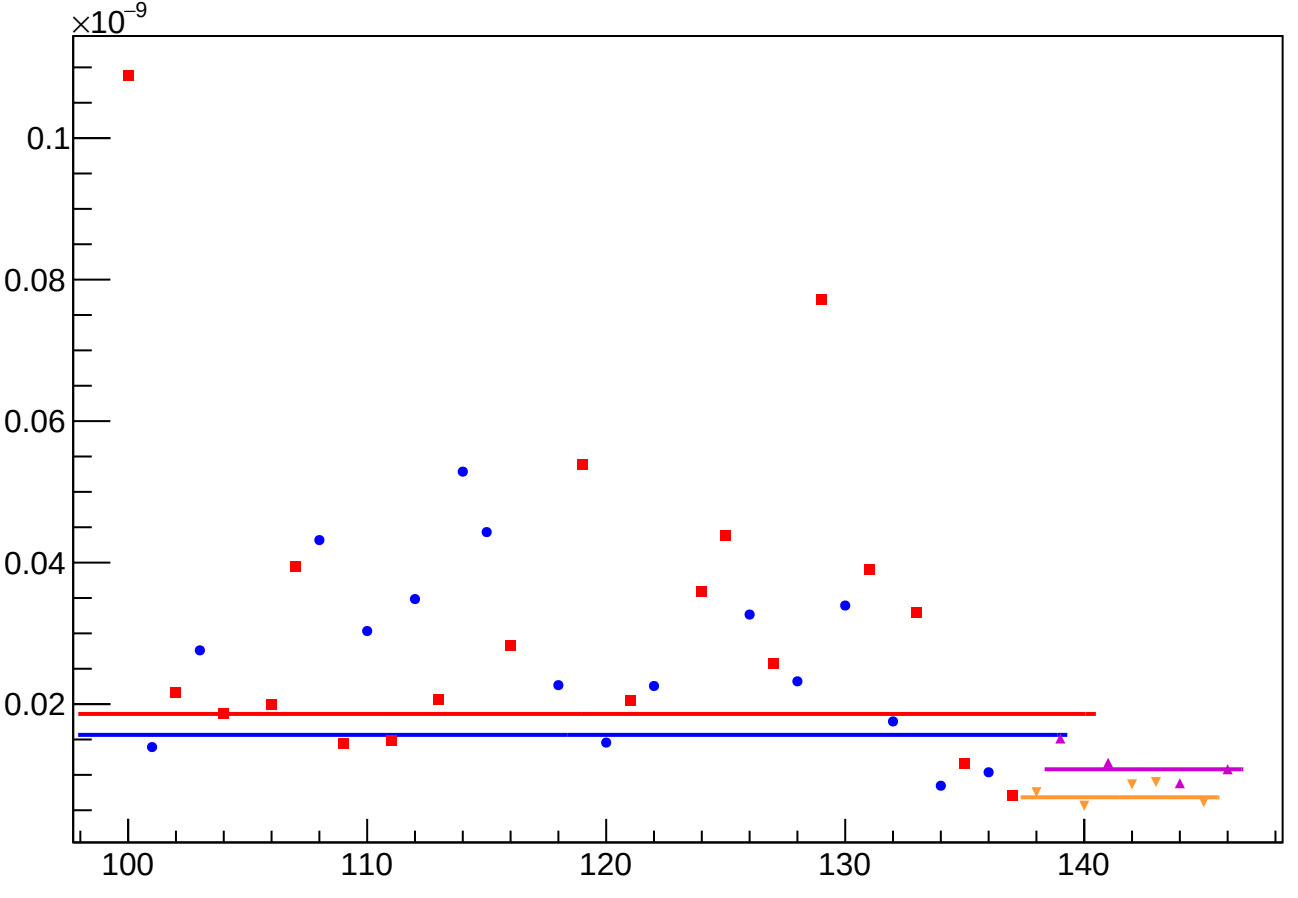
Left: -0.000+/-0.000 χ^2/NDF: 9.2/8

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:18.9/19

Out: -0.000+/-0.000 χ^2/NDF:21.5/23

All: 0.000+/-0.000 χ^2/NDF: 40.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:86431.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:117441.6/3

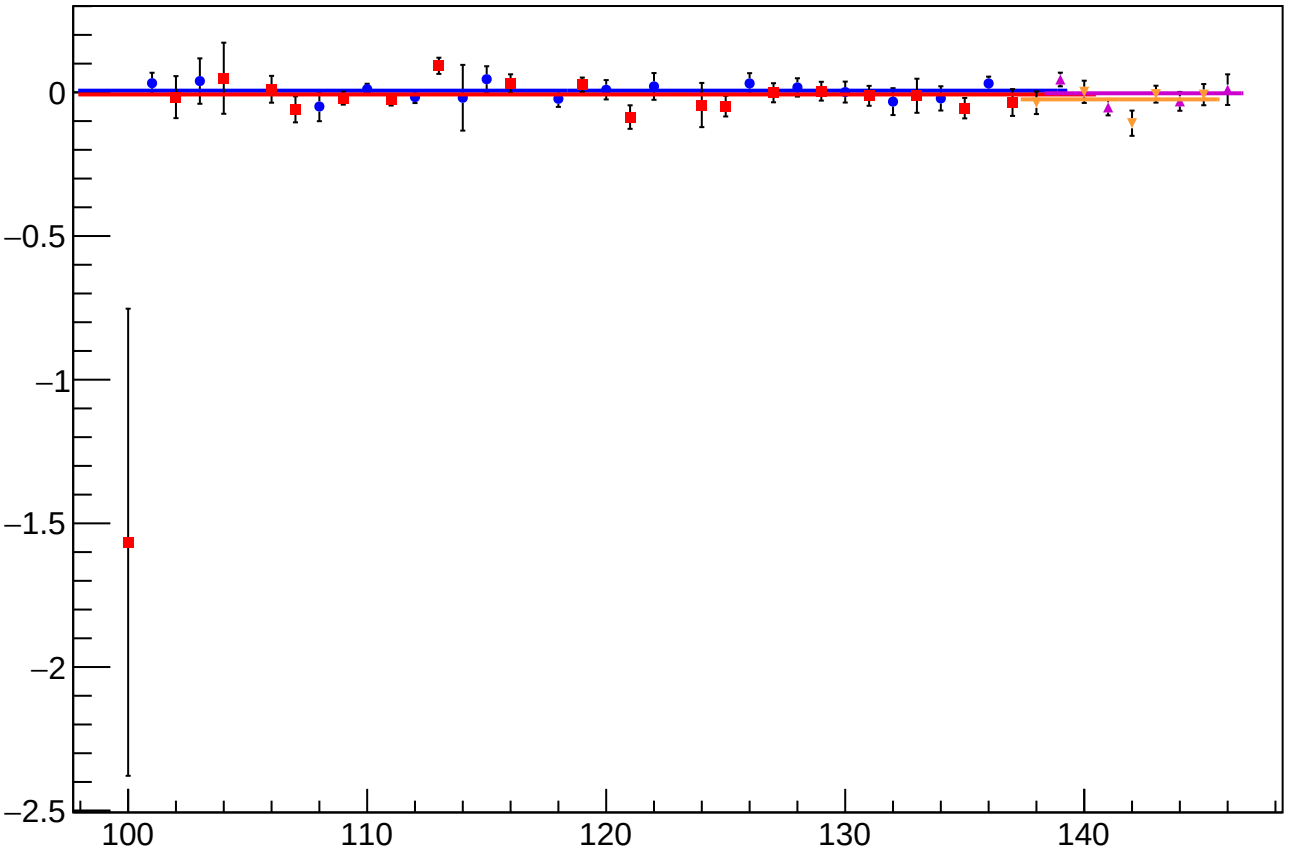
Left: 0.000+/-0.000 χ^2/NDF: 470032.6/8

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:1518112.9/19

Out: 0.000+/-0.000 χ^2/NDF:2687075.8/23

All: 0.000+/-0.000 χ^2/NDF: 4556345.4/43



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.024+/-0.016 χ^2/NDF:4.7/4

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.015 χ^2/NDF:8.0/3

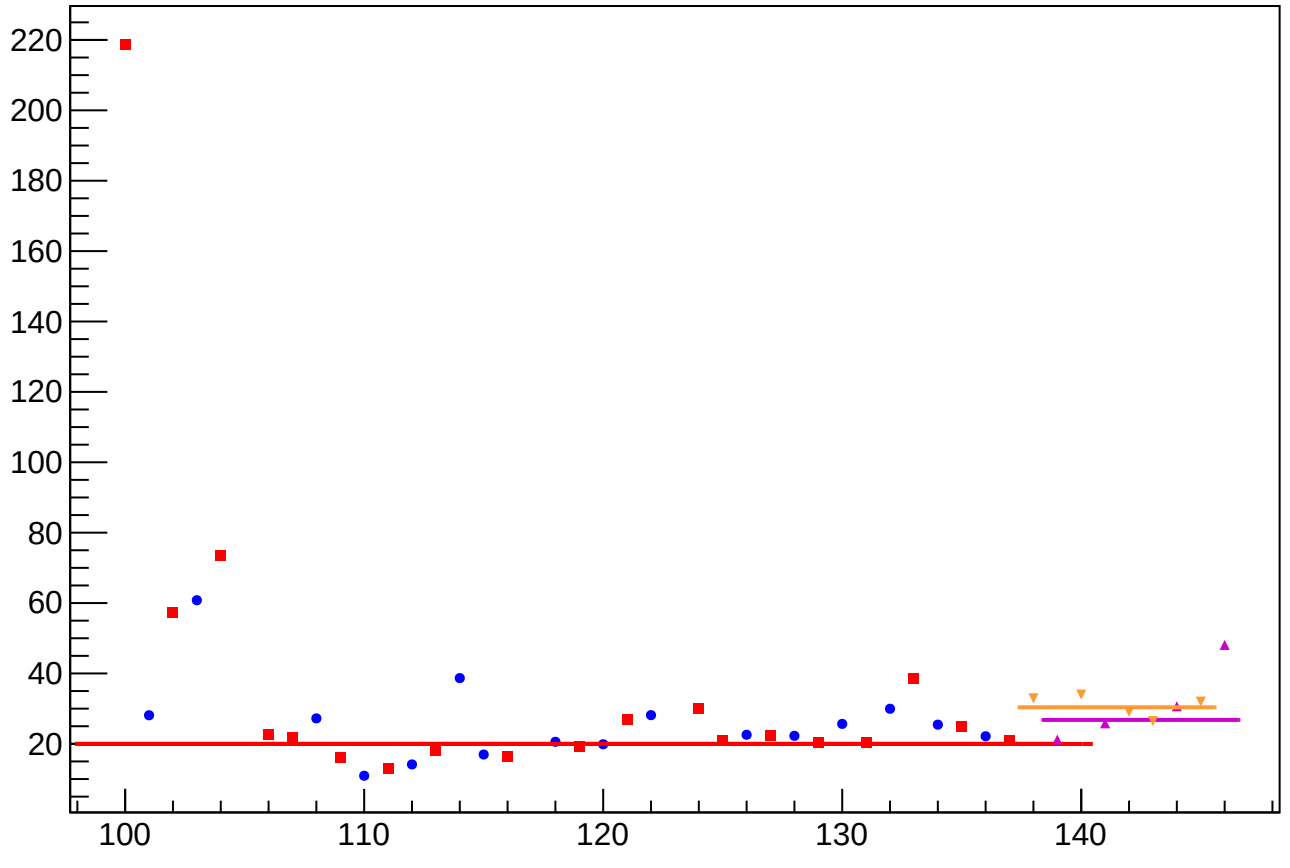
Left: -0.013+/-0.011 χ^2/NDF: 13.5/8

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/19

Out: -0.011+/-0.007 χ^2/NDF:35.4/23

All: -0.003+/-0.005 χ^2/NDF: 53.5/43



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 30.384+/-0.012 χ^2/NDF:66574.9/4

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.798+/-0.011 χ^2/NDF:459746.6/3

Left: 28.454+/-0.008 χ^2/NDF: 577792.2/8

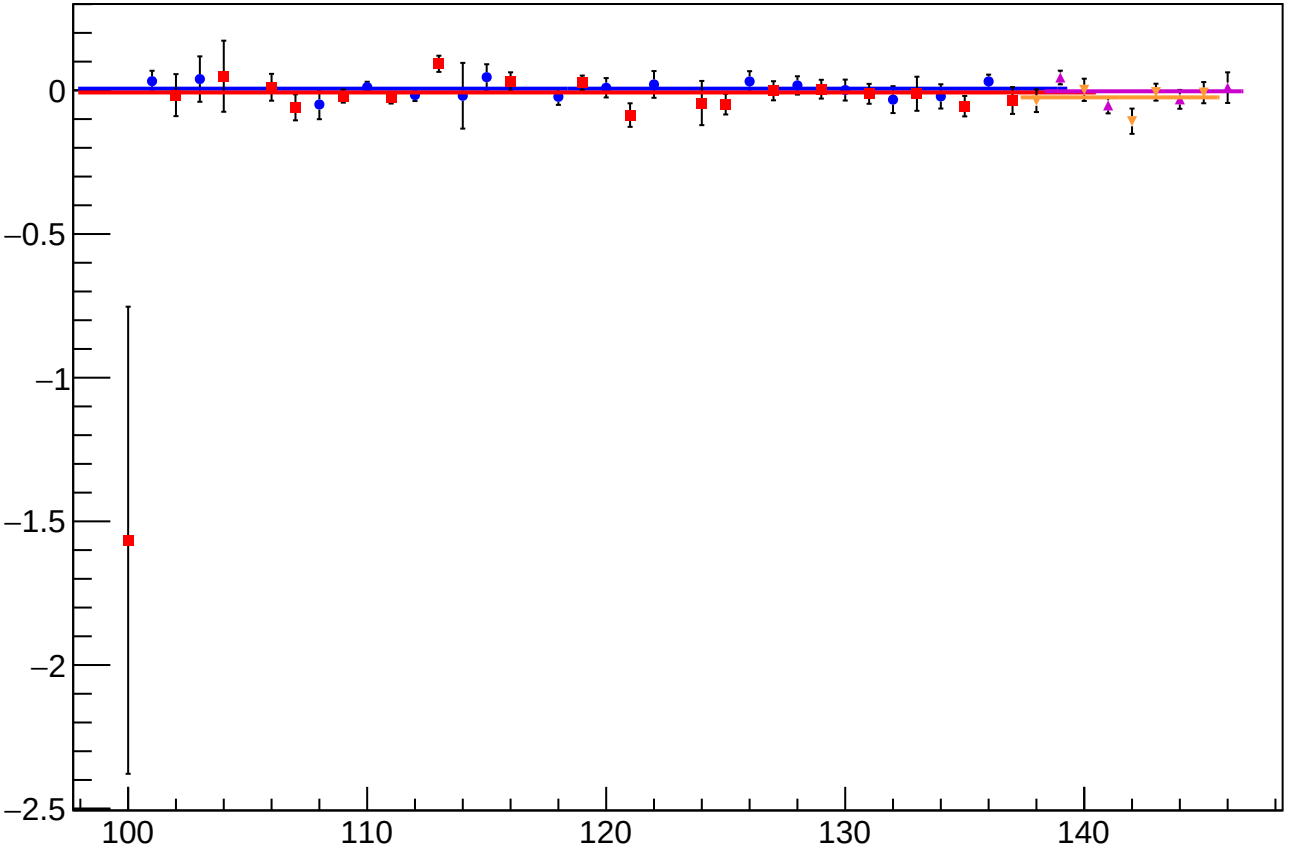
Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.525+/-0.005 χ^2/NDF:2411907.5/19

Out: 22.004+/-0.005 χ^2/NDF:2432874.1/23

All: 21.763+/-0.004 χ^2/NDF: 4849185.4/43

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.024+/-0.016 χ^2/NDF:4.7/4

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.015 χ^2/NDF:8.0/3

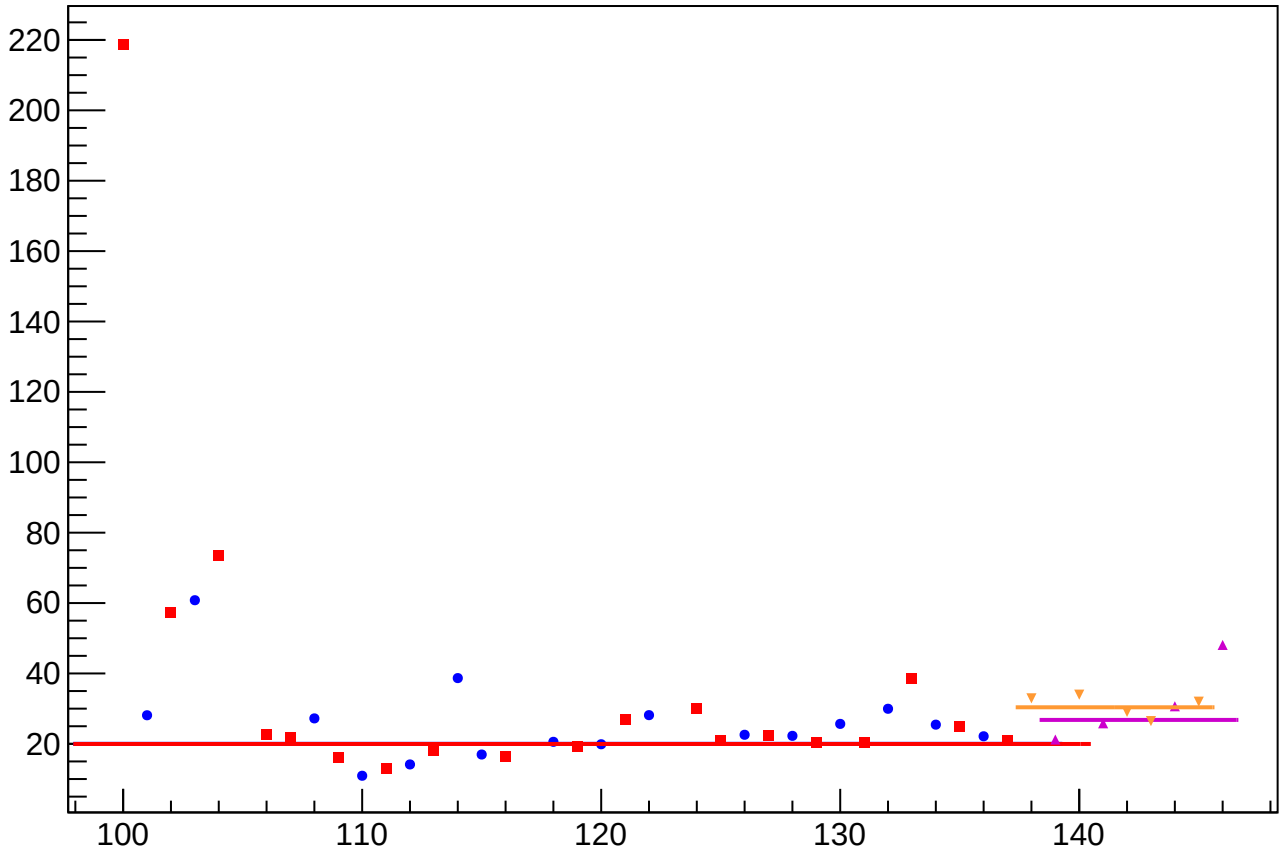
Left: -0.013+/-0.011 χ^2/NDF: 13.5/8

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/19

Out: -0.011+/-0.007 χ^2/NDF:35.4/23

All: -0.003+/-0.005 χ^2/NDF: 53.5/43



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 30.384+/-0.012 χ^2/NDF:66574.9/4

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.798+/-0.011 χ^2/NDF:459746.6/3

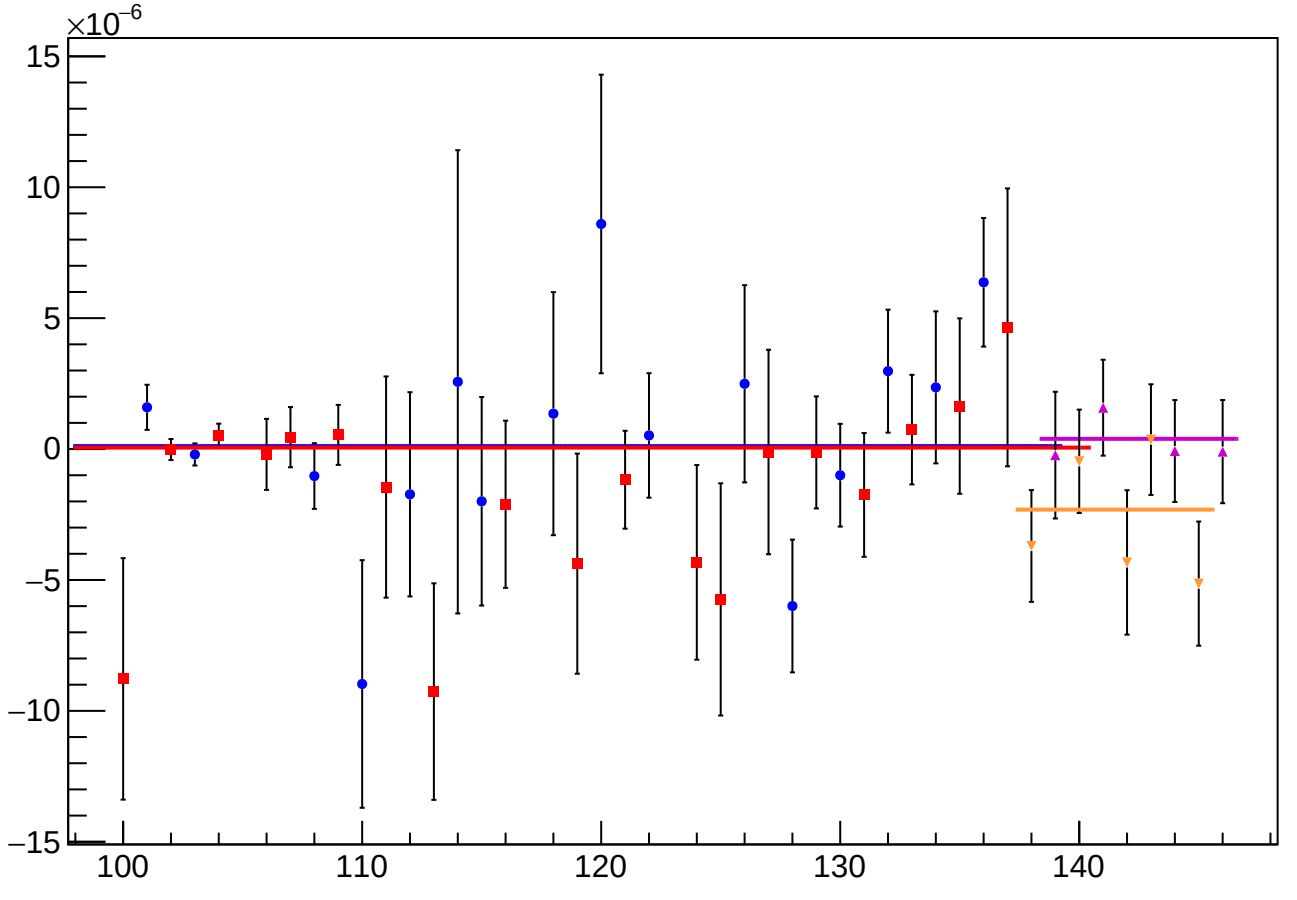
Left: 28.454+/-0.008 χ^2/NDF: 577792.2/8

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.525+/-0.005 χ^2/NDF:2411907.5/19

Out: 22.004+/-0.005 χ^2/NDF:2432874.1/23

All: 21.763+/-0.004 χ^2/NDF: 4849185.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

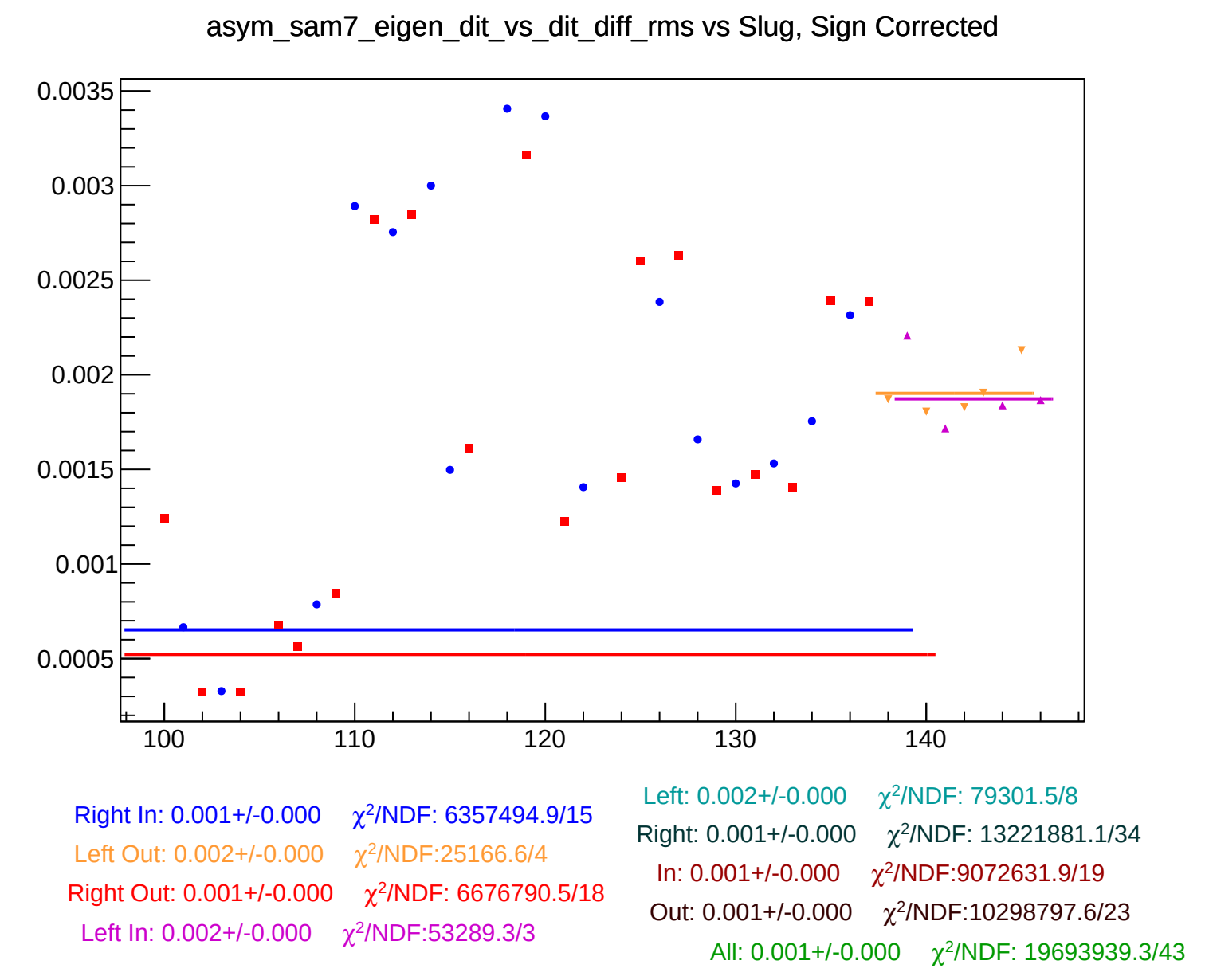
Left: -0.000+/-0.000 χ^2/NDF: 9.1/8

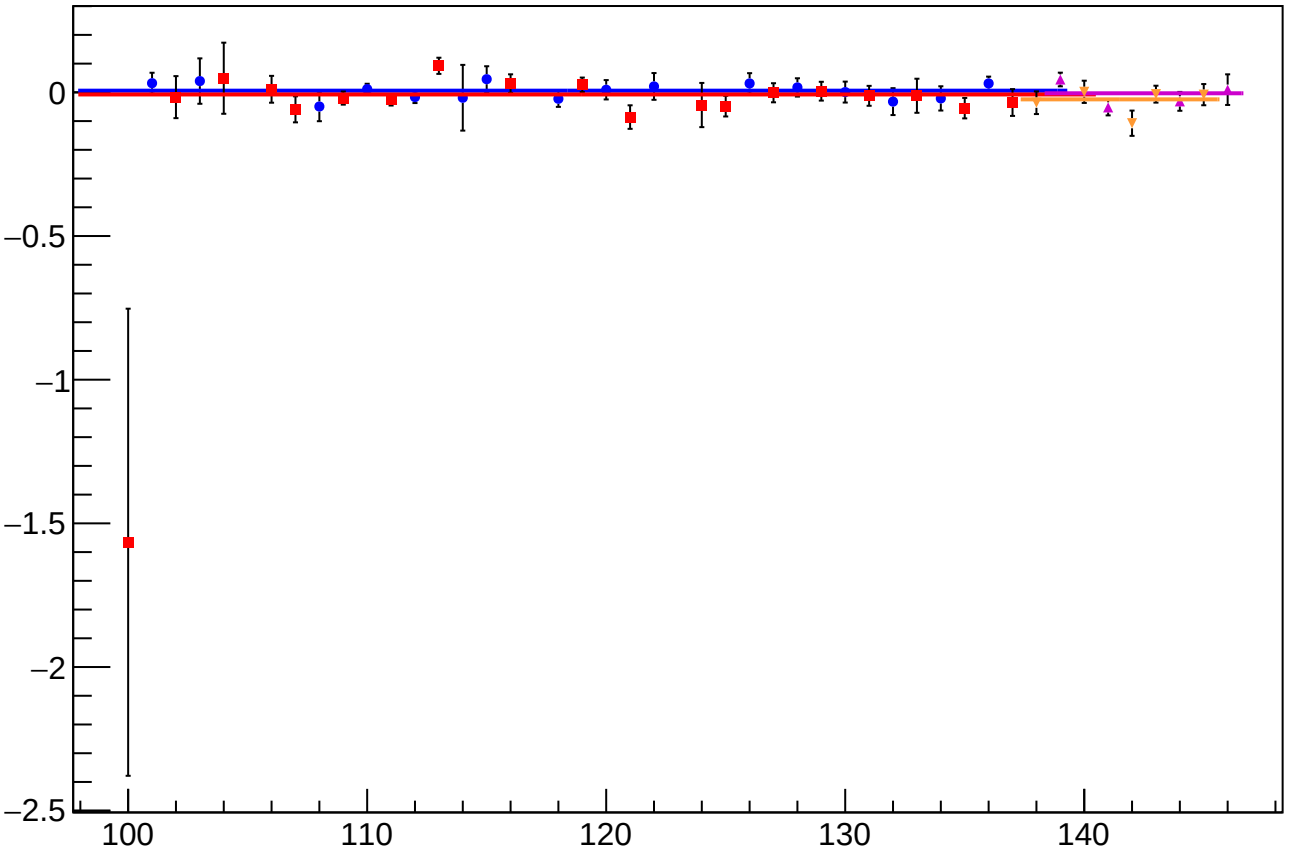
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:26.7/19

Out: -0.000+/-0.000 χ^2/NDF:27.3/23

All: -0.000+/-0.000 χ^2/NDF: 54.3/43


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:25166.6/4
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:53289.3/3
Left: 0.002+/-0.000 χ²/NDF: 79301.5/8
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:9072631.9/19
Out: 0.001+/-0.000 χ²/NDF:10298797.6/23
All: 0.001+/-0.000 χ²/NDF: 19693939.3/43



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.024+/-0.016 χ^2/NDF:4.7/4

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.015 χ^2/NDF:8.0/3

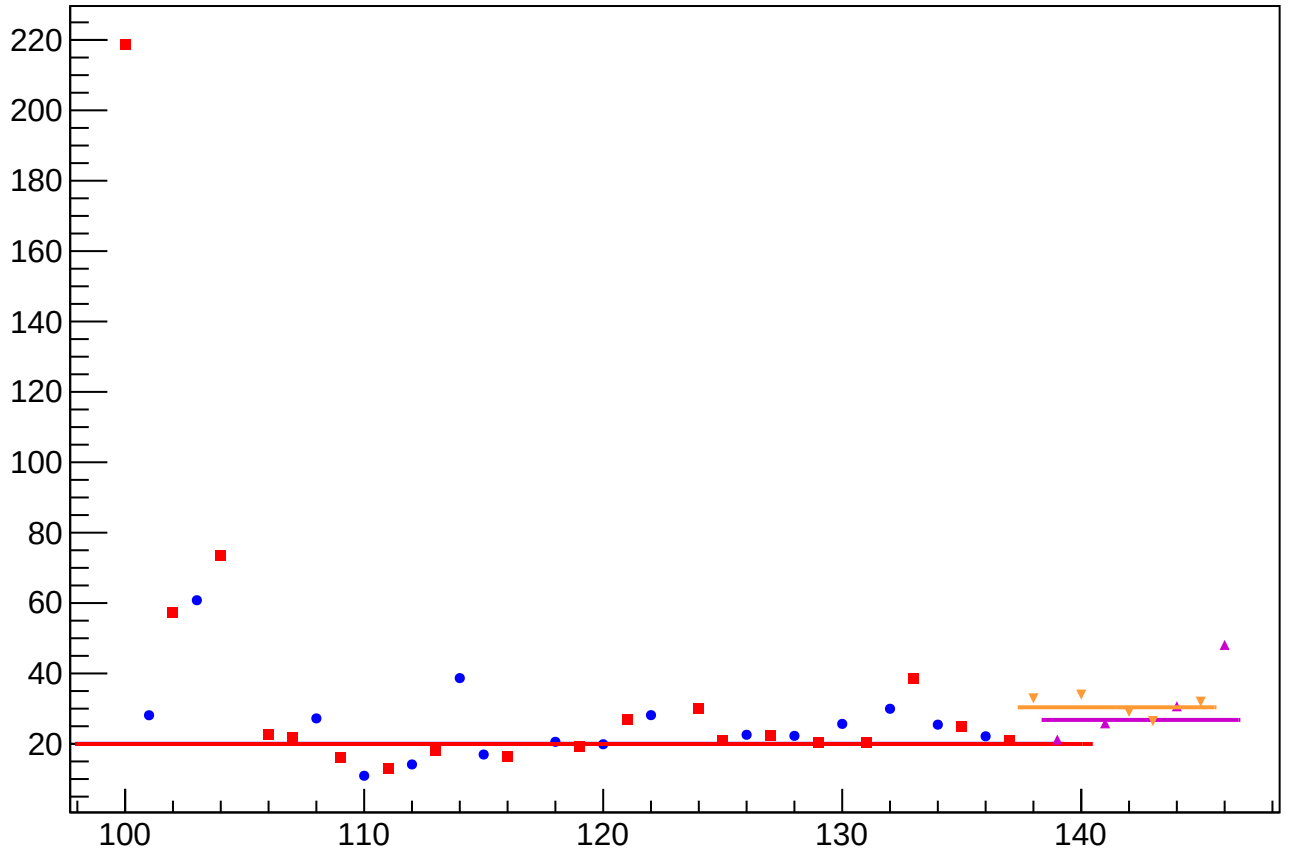
Left: -0.013+/-0.011 χ^2/NDF: 13.5/8

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/19

Out: -0.011+/-0.007 χ^2/NDF:35.4/23

All: -0.003+/-0.005 χ^2/NDF: 53.5/43



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 30.384+/-0.012 χ^2/NDF:66568.2/4

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 26.798+/-0.011 χ^2/NDF:459751.6/3

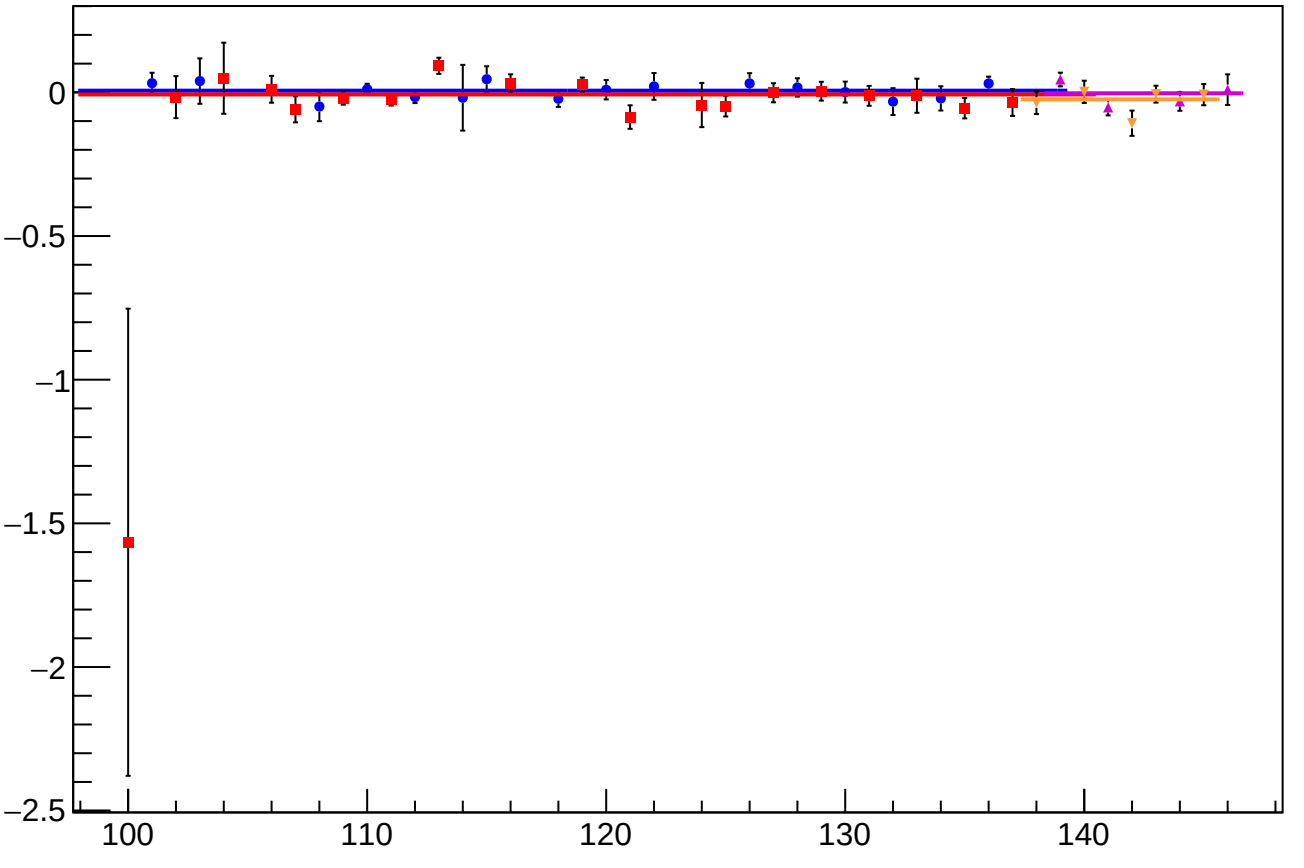
Left: 28.454+/-0.008 χ^2/NDF: 577798.2/8

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.525+/-0.005 χ^2/NDF:2411696.5/19

Out: 22.005+/-0.005 χ^2/NDF:2432818.6/23

All: 21.763+/-0.004 χ^2/NDF: 4848914.1/43



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.024+/-0.016 χ^2/NDF:4.7/4

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.015 χ^2/NDF:8.0/3

Left: -0.013+/-0.011 χ^2/NDF: 13.5/8

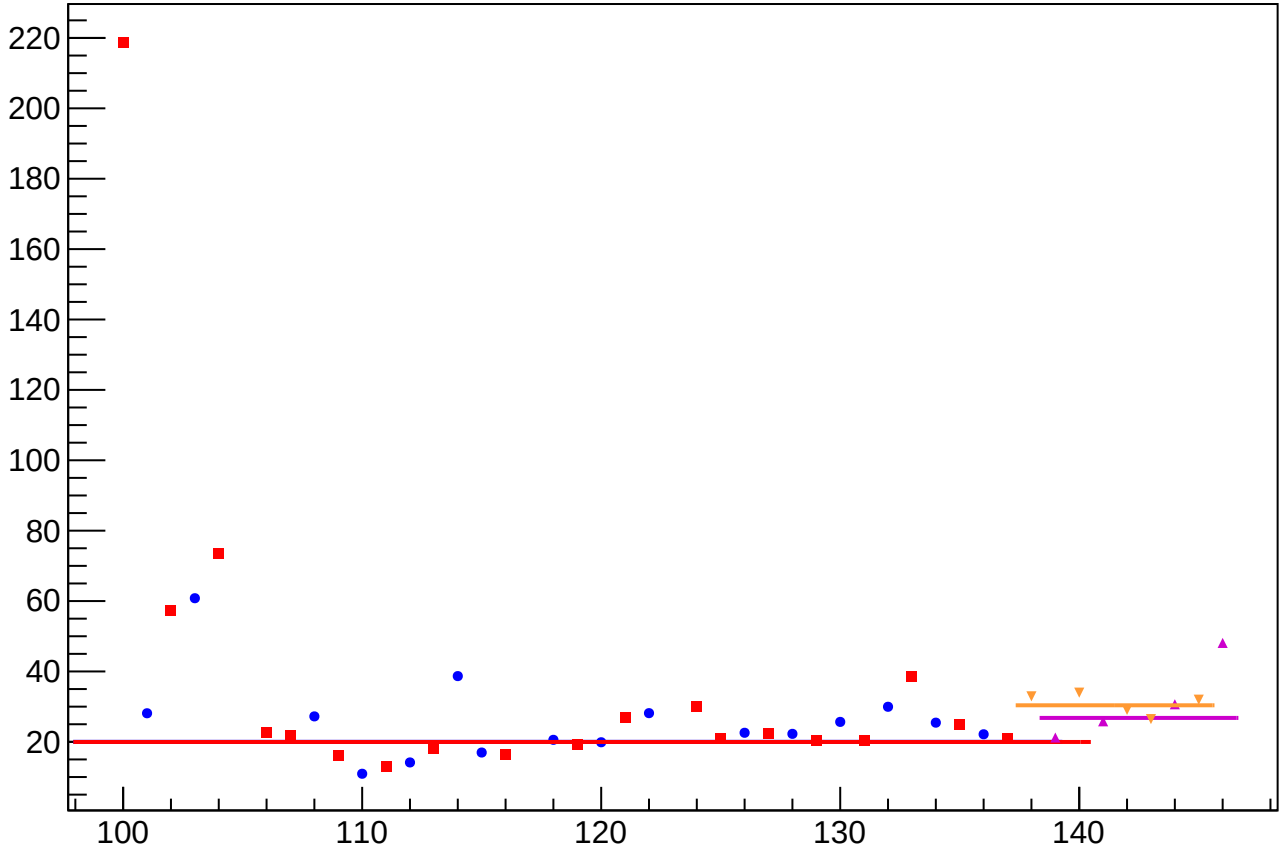
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/19

Out: -0.011+/-0.007 χ^2/NDF:35.4/23

All: -0.003+/-0.005 χ^2/NDF: 53.5/43

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: 30.384+/-0.012 χ^2/NDF:66568.2/4

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 26.798+/-0.011 χ^2/NDF:459751.6/3

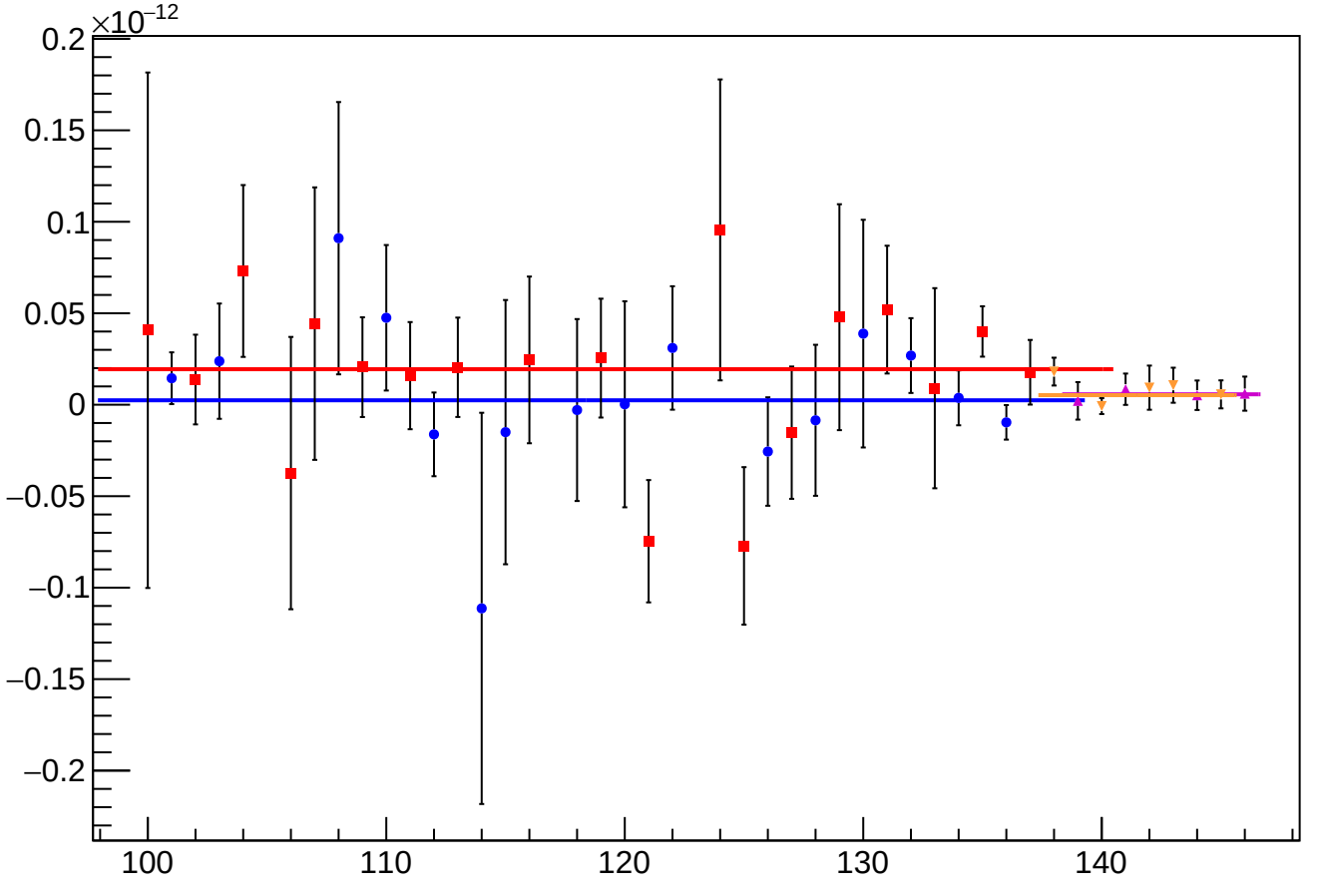
Left: 28.454+/-0.008 χ^2/NDF: 577798.2/8

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.525+/-0.005 χ^2/NDF:2411696.5/19

Out: 22.005+/-0.005 χ^2/NDF:2432818.6/23

All: 21.763+/-0.004 χ^2/NDF: 4848914.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/3

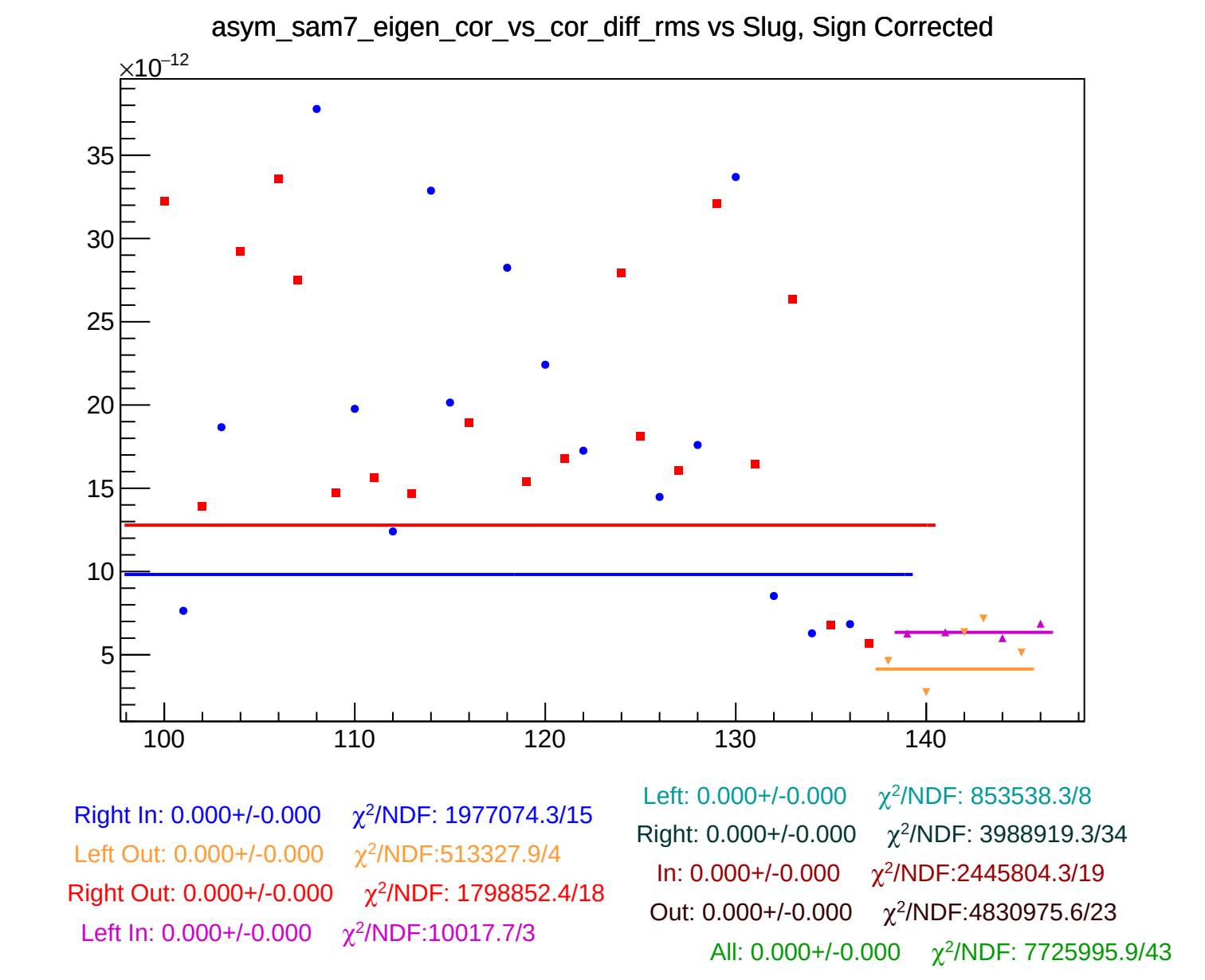
Left: 0.000+/-0.000 χ^2/NDF: 5.4/8

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

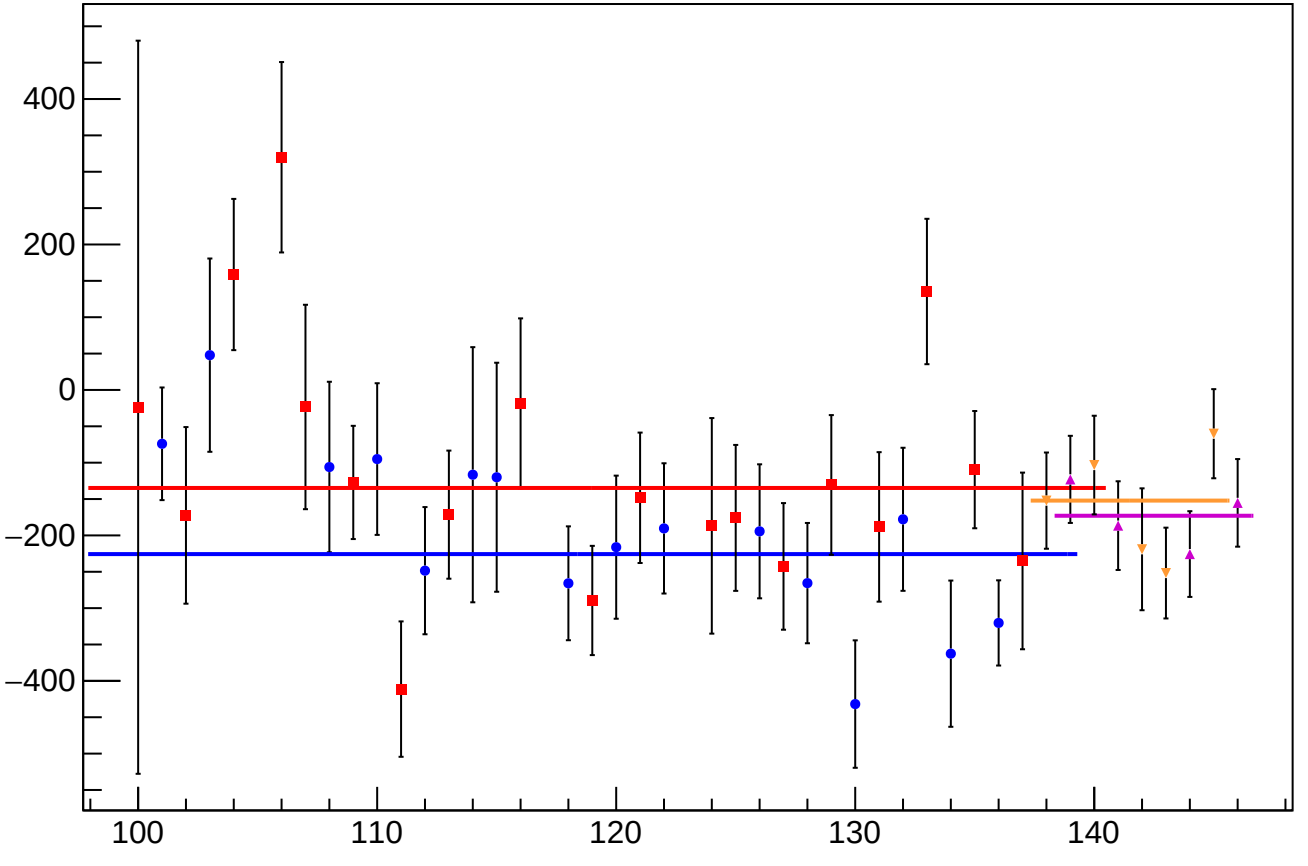
In: 0.000+/-0.000 χ^2/NDF:11.3/19

Out: 0.000+/-0.000 χ^2/NDF:28.8/23

All: 0.000+/-0.000 χ^2/NDF: 40.6/43


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
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:513327.9/4
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:10017.7/3
Left: 0.000+/-0.000 χ²/NDF: 853538.3/8
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2445804.3/19
Out: 0.000+/-0.000 χ²/NDF:4830975.6/23
All: 0.000+/-0.000 χ²/NDF: 7725995.9/43

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -152.123+/-29.995 χ^2/NDF:6.0/4

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -172.967+/-29.996 χ^2/NDF:1.6/3

Left: -162.545+/-21.210 χ^2/NDF: 7.8/8

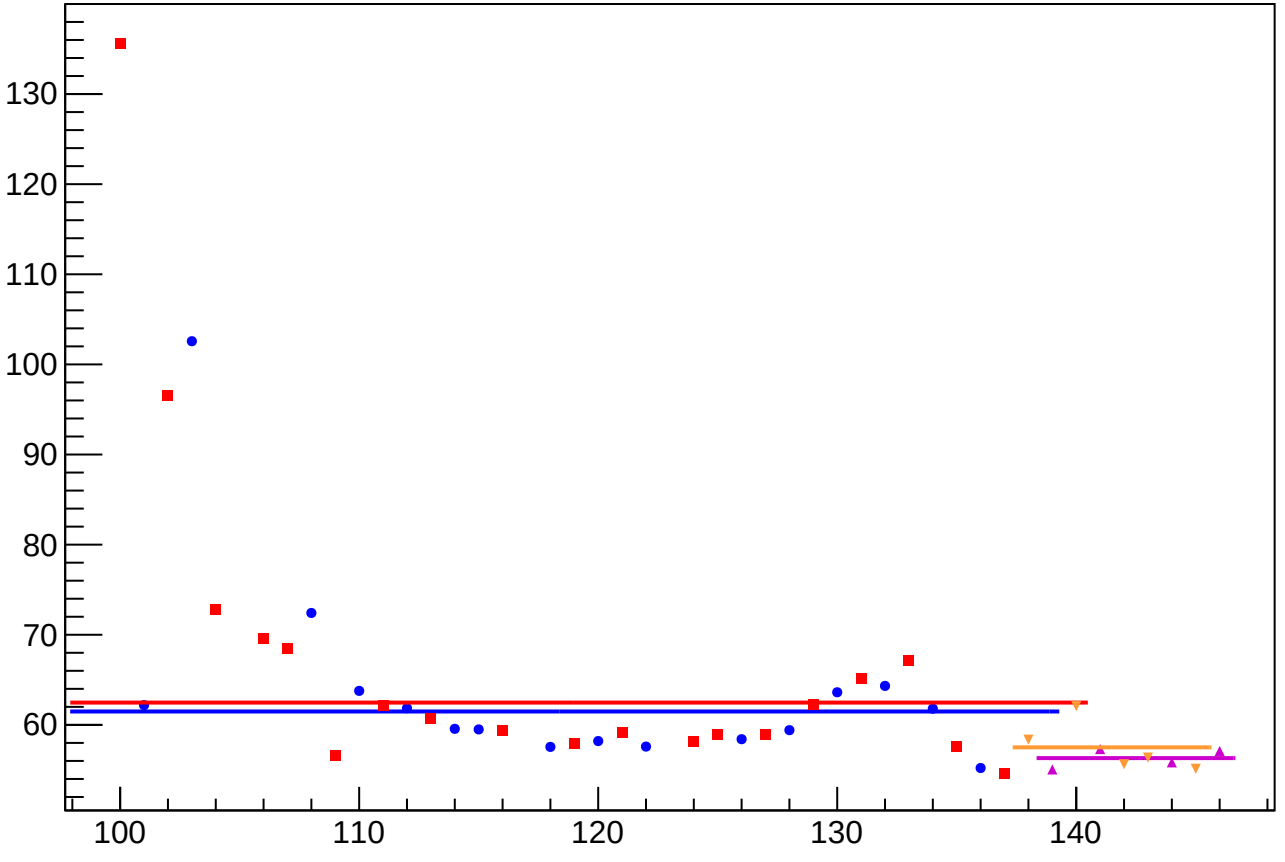
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -206.044+/-18.311 χ^2/NDF:26.2/19

Out: -141.258+/-18.347 χ^2/NDF:51.4/23

All: -173.714+/-12.961 χ^2/NDF: 83.8/43

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.507+/-0.021 χ^2/NDF:14108.4/4

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

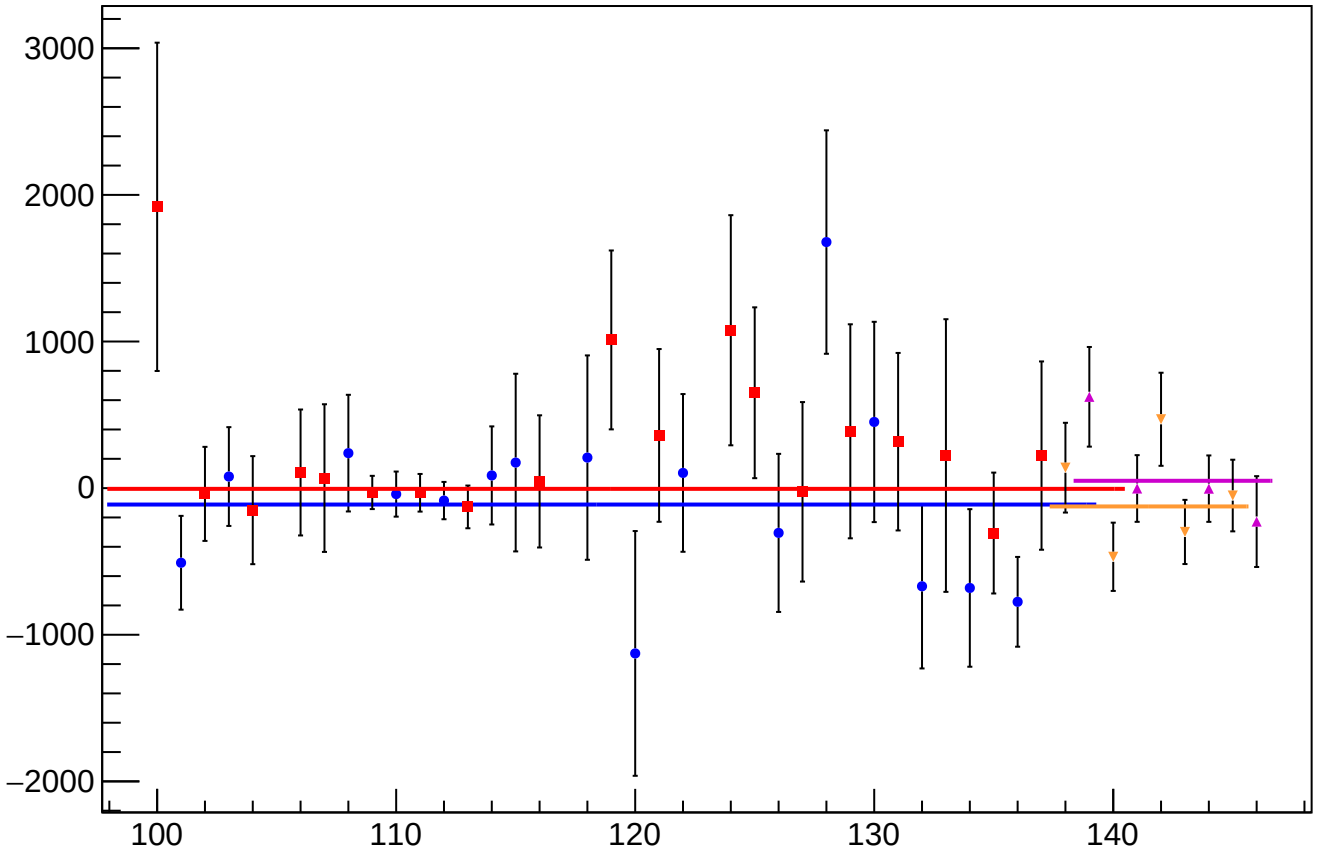
Left: 56.910+/-0.015 χ^2/NDF: 17584.4/8

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 59.559+/-0.013 χ^2/NDF:289865.9/19

Out: 60.617+/-0.013 χ^2/NDF:329604.9/23

All: 60.087+/-0.009 χ^2/NDF: 622803.8/43



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -124.871+/-114.193 χ^2/NDF:7.2/4

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 50.088+/-131.397 χ^2/NDF:3.8/3

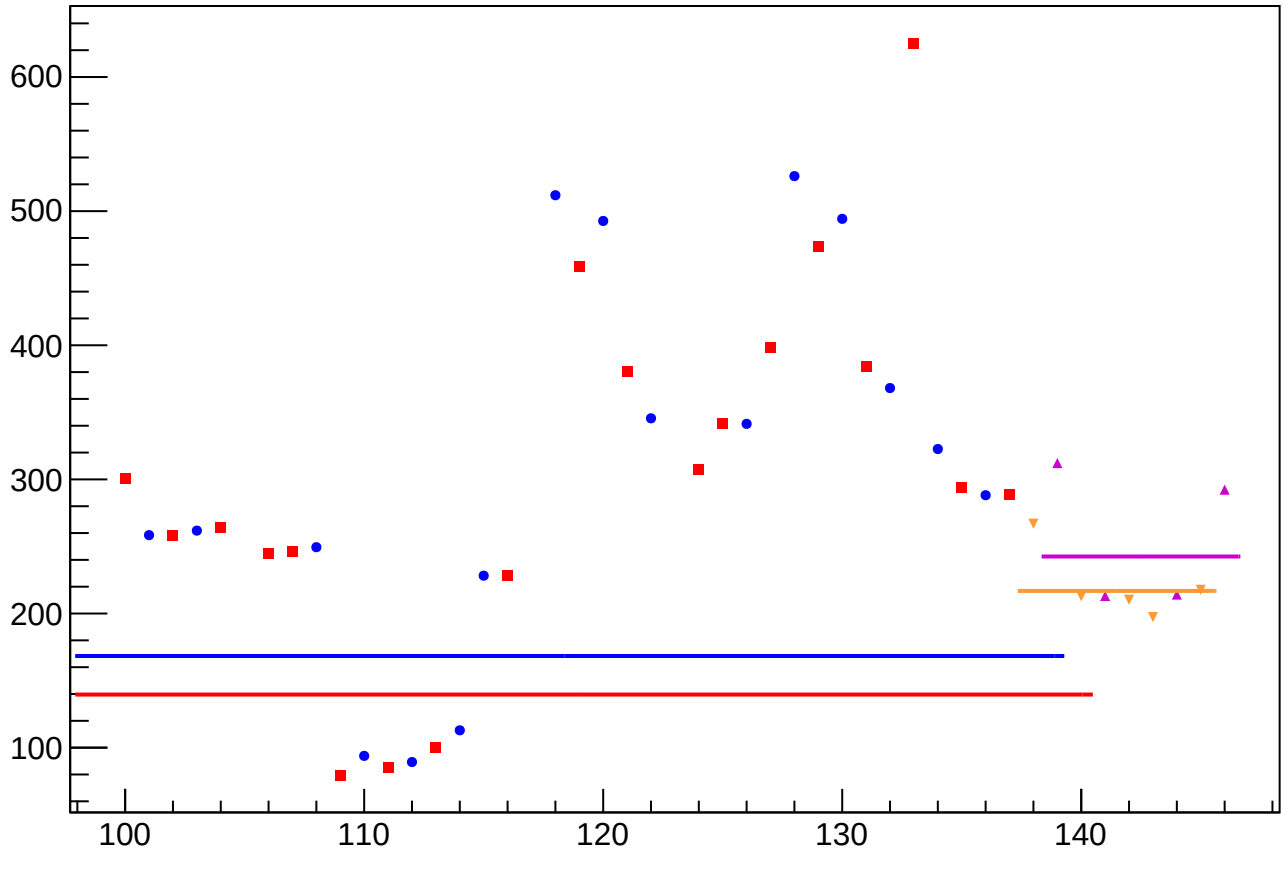
Left: -49.588+/-86.192 χ^2/NDF: 11.9/8

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -71.111+/-65.926 χ^2/NDF:23.4/19

Out: -33.525+/-55.785 χ^2/NDF:19.6/23

All: -49.208+/-42.585 χ^2/NDF: 43.2/43



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 216.863+/-0.081 χ^2/NDF:71003.1/4

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 242.512+/-0.093 χ^2/NDF:200741.0/3

Left: 227.900+/-0.061 χ^2/NDF: 315159.0/8

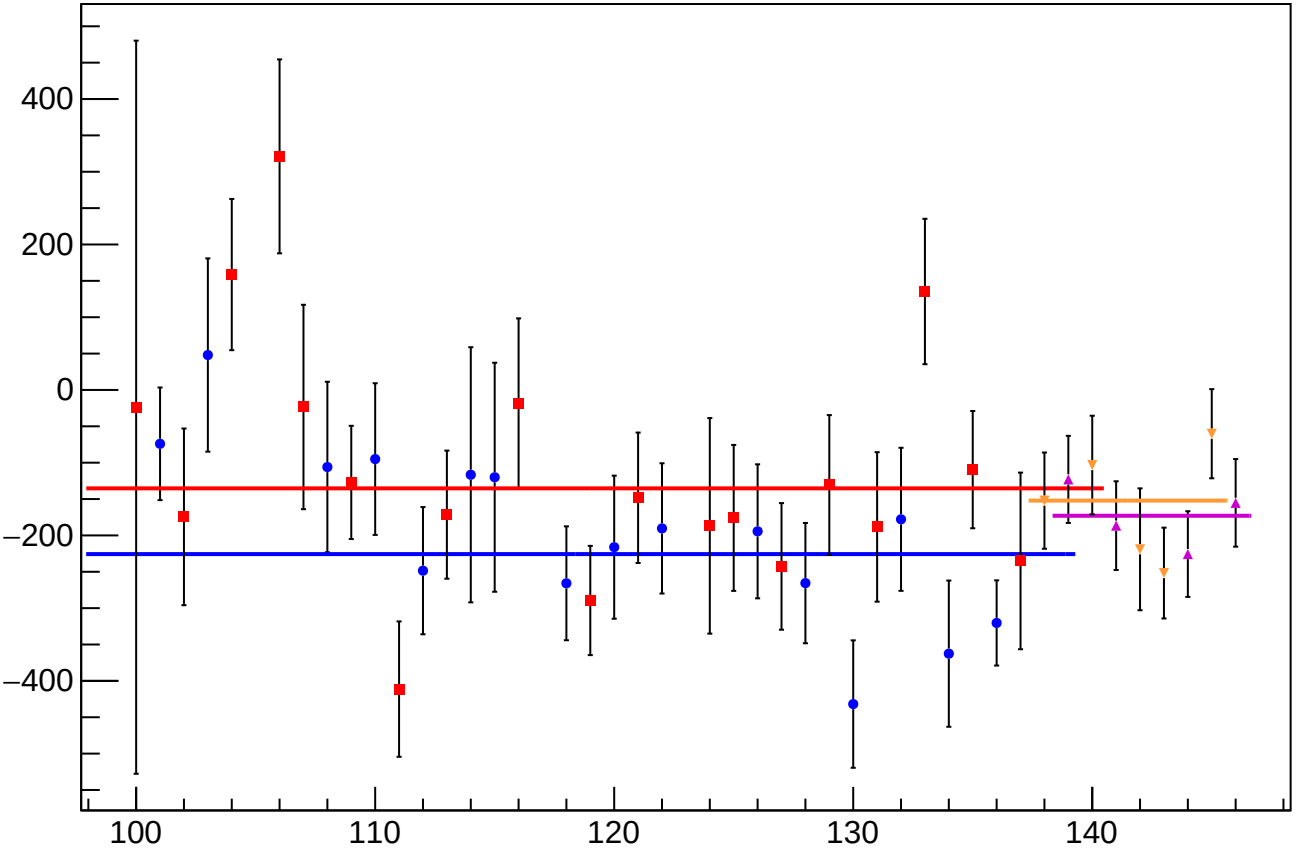
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 187.004+/-0.047 χ^2/NDF:5221789.2/19

Out: 158.034+/-0.039 χ^2/NDF:5922362.2/23

All: 170.122+/-0.030 χ^2/NDF: 11369210.3/43

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -152.118+/-29.995 χ^2/NDF:6.0/4

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -172.967+/-29.996 χ^2/NDF:1.6/3

Left: -162.542+/-21.210 χ^2/NDF: 7.8/8

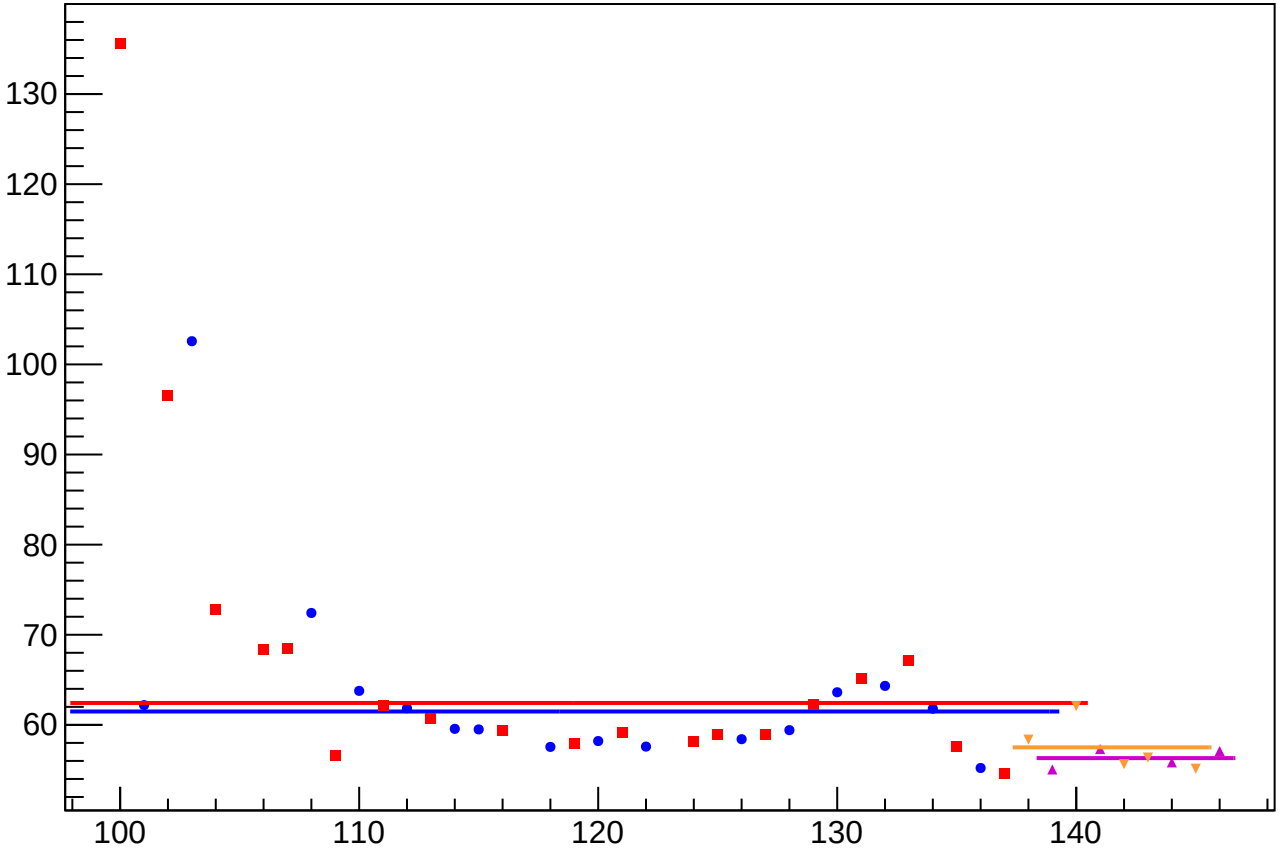
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -206.044+/-18.311 χ^2/NDF:26.2/19

Out: -141.604+/-18.354 χ^2/NDF:51.0/23

All: -173.899+/-12.963 χ^2/NDF: 83.4/43

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.507+/-0.021 χ^2/NDF:14108.4/4

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

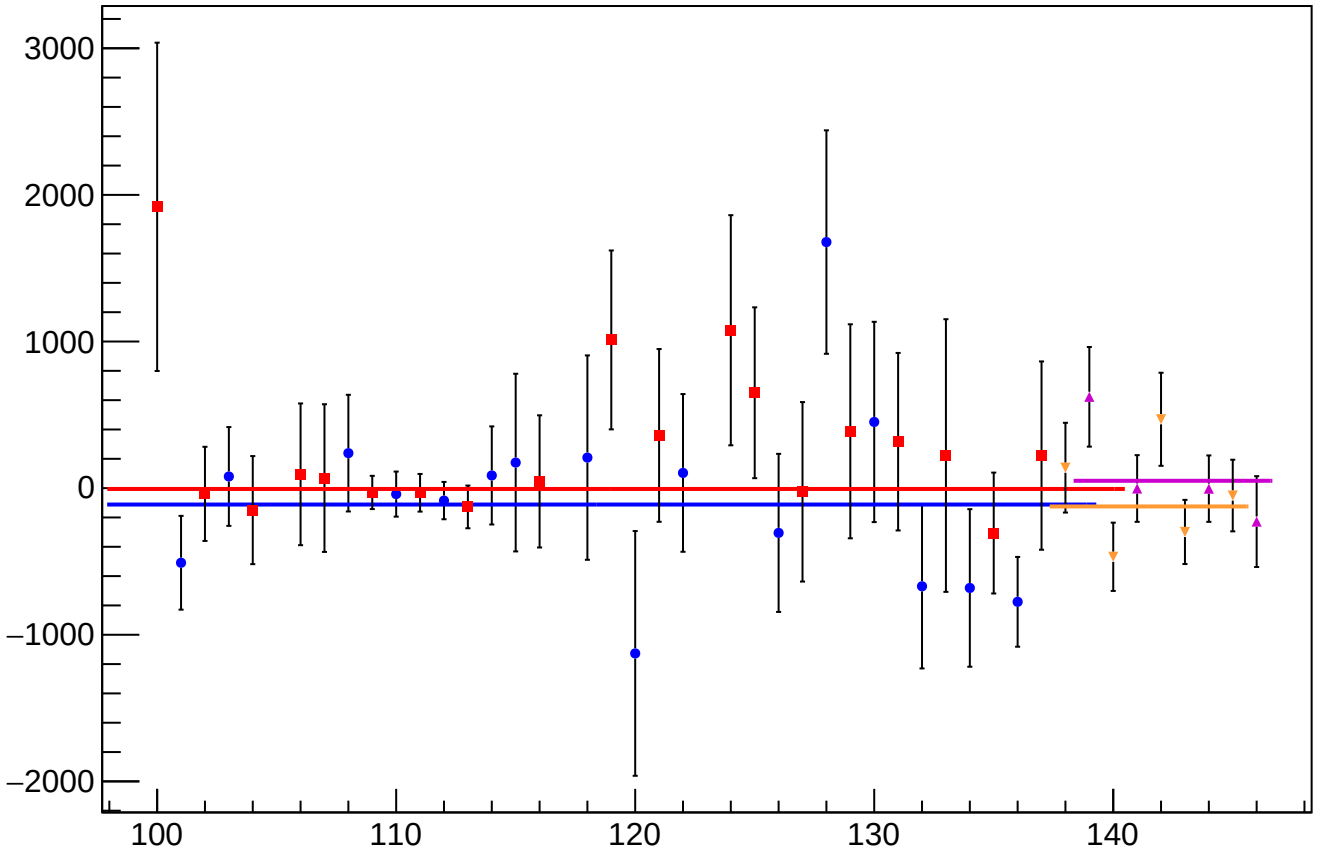
Left: 56.910+/-0.015 χ^2/NDF: 17584.4/8

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.559+/-0.013 χ^2/NDF:289868.5/19

Out: 60.588+/-0.013 χ^2/NDF:327257.8/23

All: 60.072+/-0.009 χ^2/NDF: 620282.2/43



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -124.867+/-114.192 χ^2/NDF:7.2/4

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 50.083+/-131.397 χ^2/NDF:3.8/3

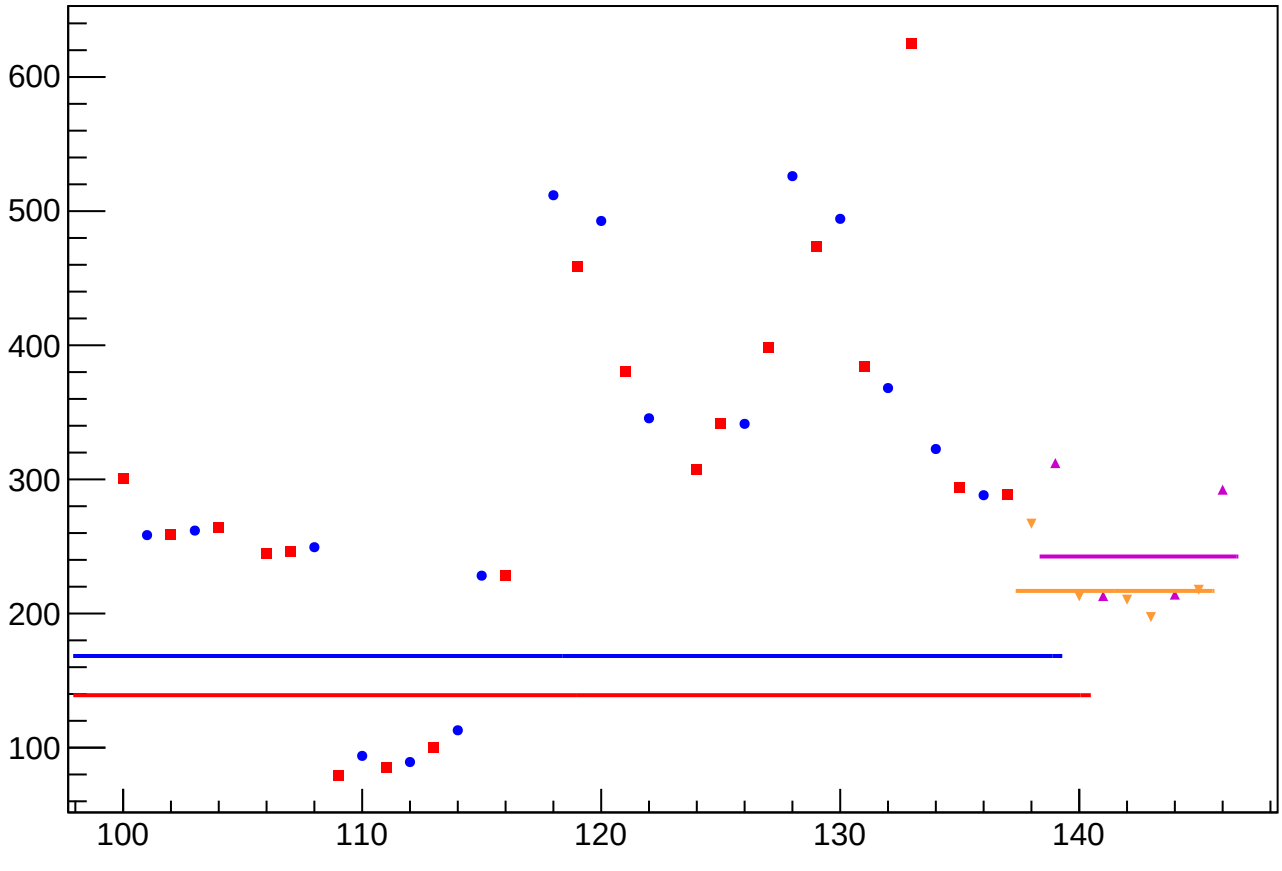
Left: -49.588+/-86.192 χ^2/NDF: 11.9/8

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -71.098+/-65.926 χ^2/NDF:23.4/19

Out: -34.178+/-55.886 χ^2/NDF:19.6/23

All: -49.616+/-42.630 χ^2/NDF: 43.1/43



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 216.863+/-0.081 χ^2/NDF:71001.8/4

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 242.512+/-0.093 χ^2/NDF:200741.9/3

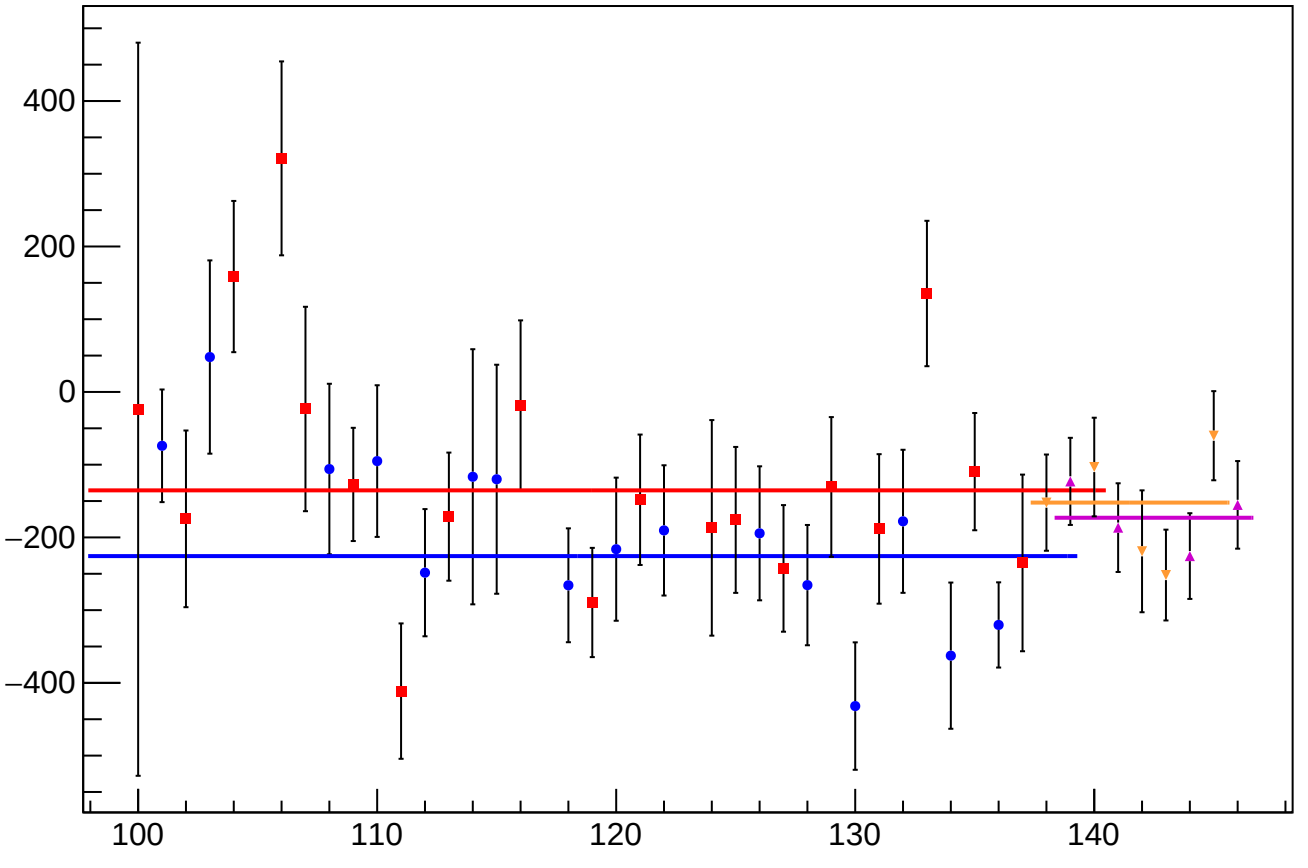
Left: 227.900+/-0.061 χ^2/NDF: 315160.0/8

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 187.004+/-0.047 χ^2/NDF:5221840.7/19

Out: 157.729+/-0.040 χ^2/NDF:5906262.6/23

All: 169.970+/-0.030 χ^2/NDF: 11357582.6/43



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -152.118+/-29.995 χ^2/NDF:6.0/4

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -172.967+/-29.996 χ^2/NDF:1.6/3

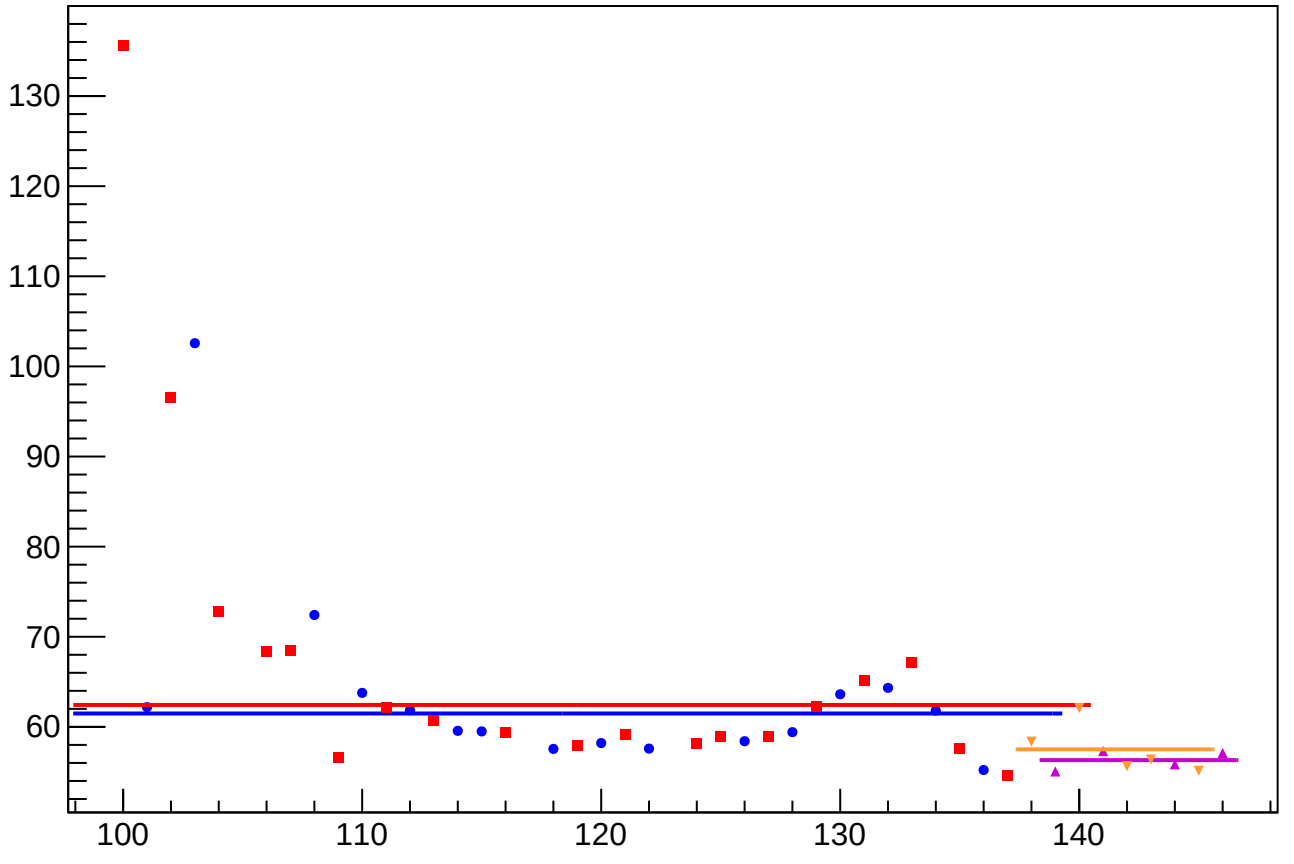
Left: -162.542+/-21.210 χ^2/NDF: 7.8/8

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -206.044+/-18.311 χ^2/NDF:26.2/19

Out: -141.604+/-18.354 χ^2/NDF:51.0/23

All: -173.899+/-12.963 χ^2/NDF: 83.4/43



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.507+/-0.021 χ^2/NDF:14108.4/4

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

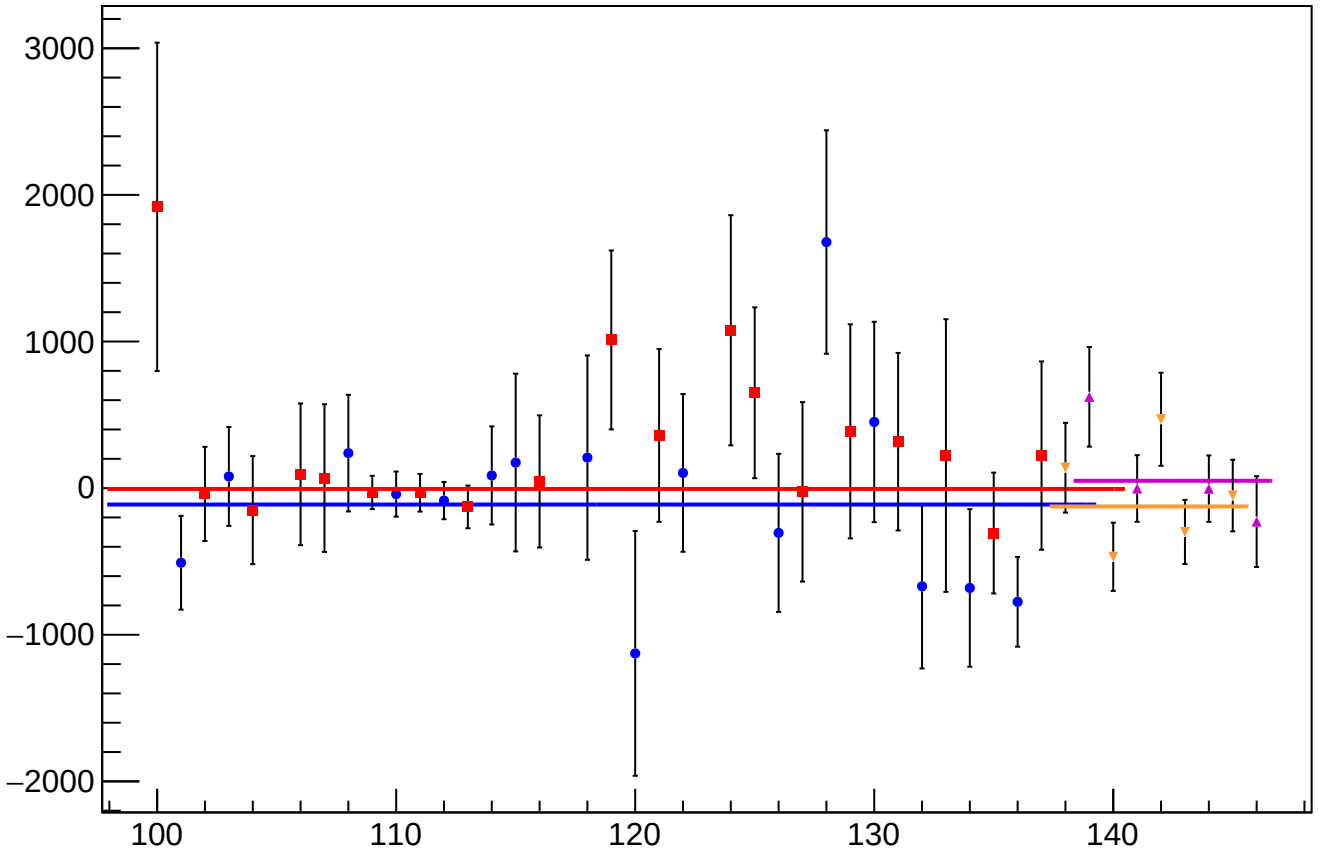
Left: 56.910+/-0.015 χ^2/NDF: 17584.4/8

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.559+/-0.013 χ^2/NDF:289868.5/19

Out: 60.588+/-0.013 χ^2/NDF:327257.8/23

All: 60.072+/-0.009 χ^2/NDF: 620282.2/43



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -124.867+/-114.192 χ^2/NDF:7.2/4

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 50.083+/-131.397 χ^2/NDF:3.8/3

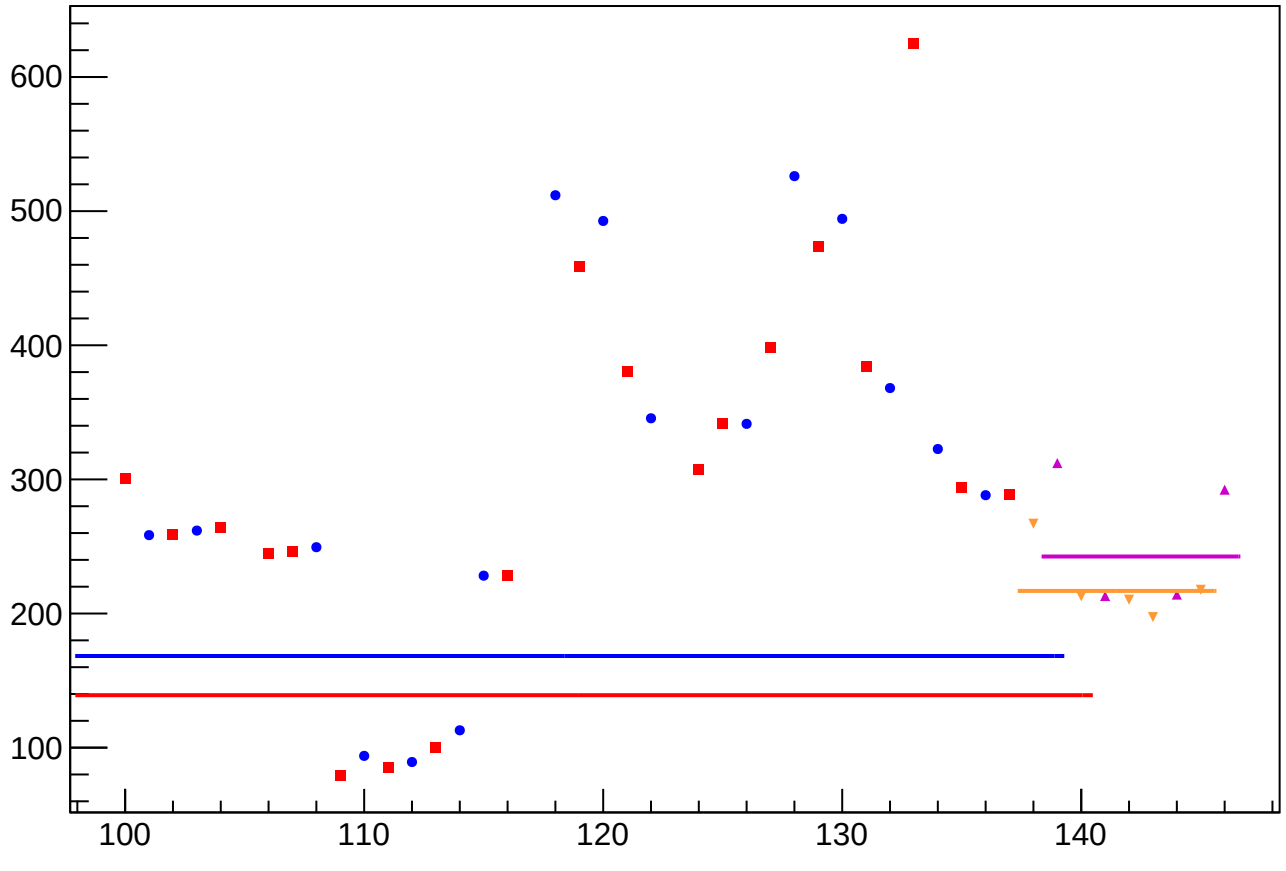
Left: -49.588+/-86.192 χ^2/NDF: 11.9/8

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -71.098+/-65.926 χ^2/NDF:23.4/19

Out: -34.178+/-55.886 χ^2/NDF:19.6/23

All: -49.616+/-42.630 χ^2/NDF: 43.1/43



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 216.863+/-0.081 χ^2/NDF:71001.8/4

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 242.512+/-0.093 χ^2/NDF:200741.9/3

Left: 227.900+/-0.061 χ^2/NDF: 315160.0/8

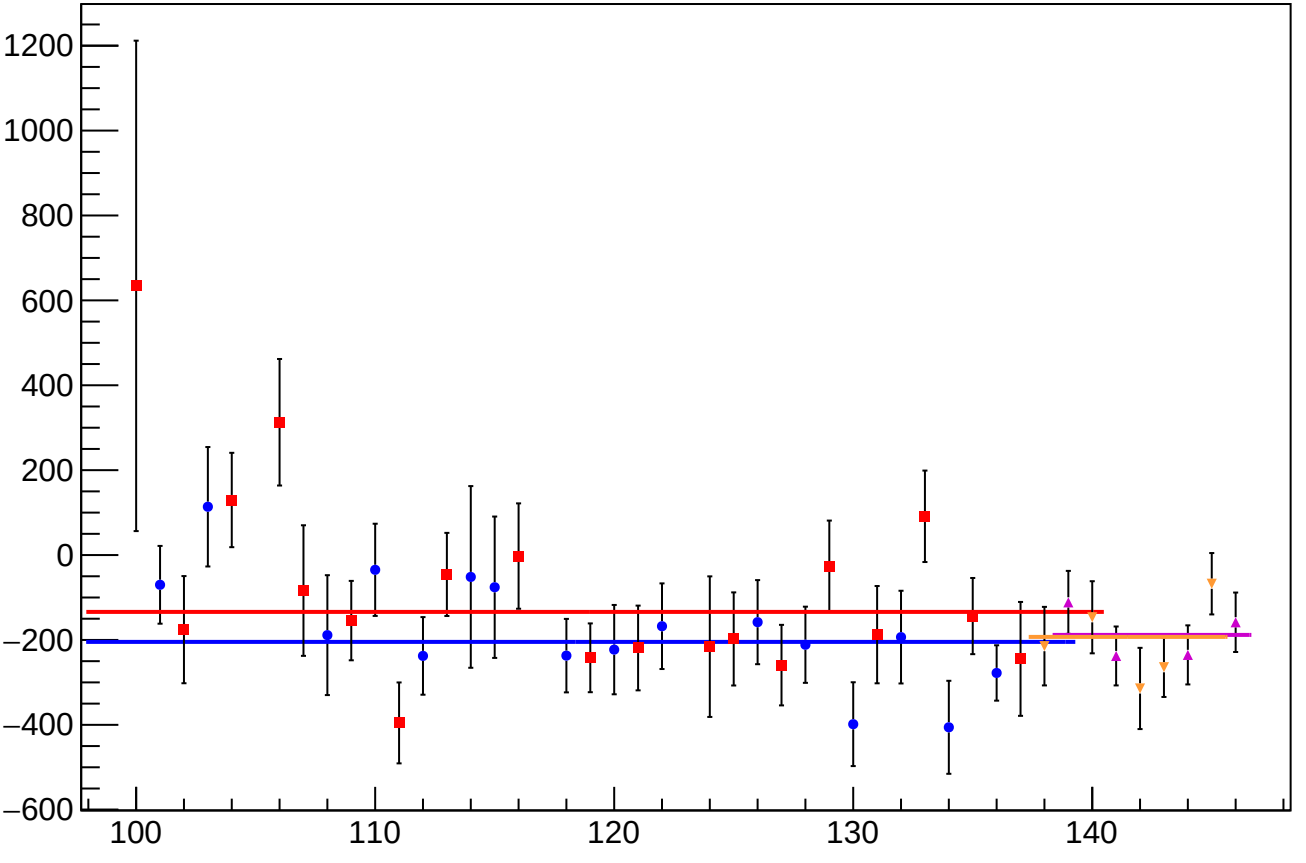
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 187.004+/-0.047 χ^2/NDF:5221840.7/19

Out: 157.729+/-0.040 χ^2/NDF:5906262.6/23

All: 169.970+/-0.030 χ^2/NDF: 11357582.6/43

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -192.822+/-36.282 χ^2/NDF:6.0/4

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -188.130+/-35.360 χ^2/NDF:2.2/3

Left: -190.415+/-25.323 χ^2/NDF: 8.2/8

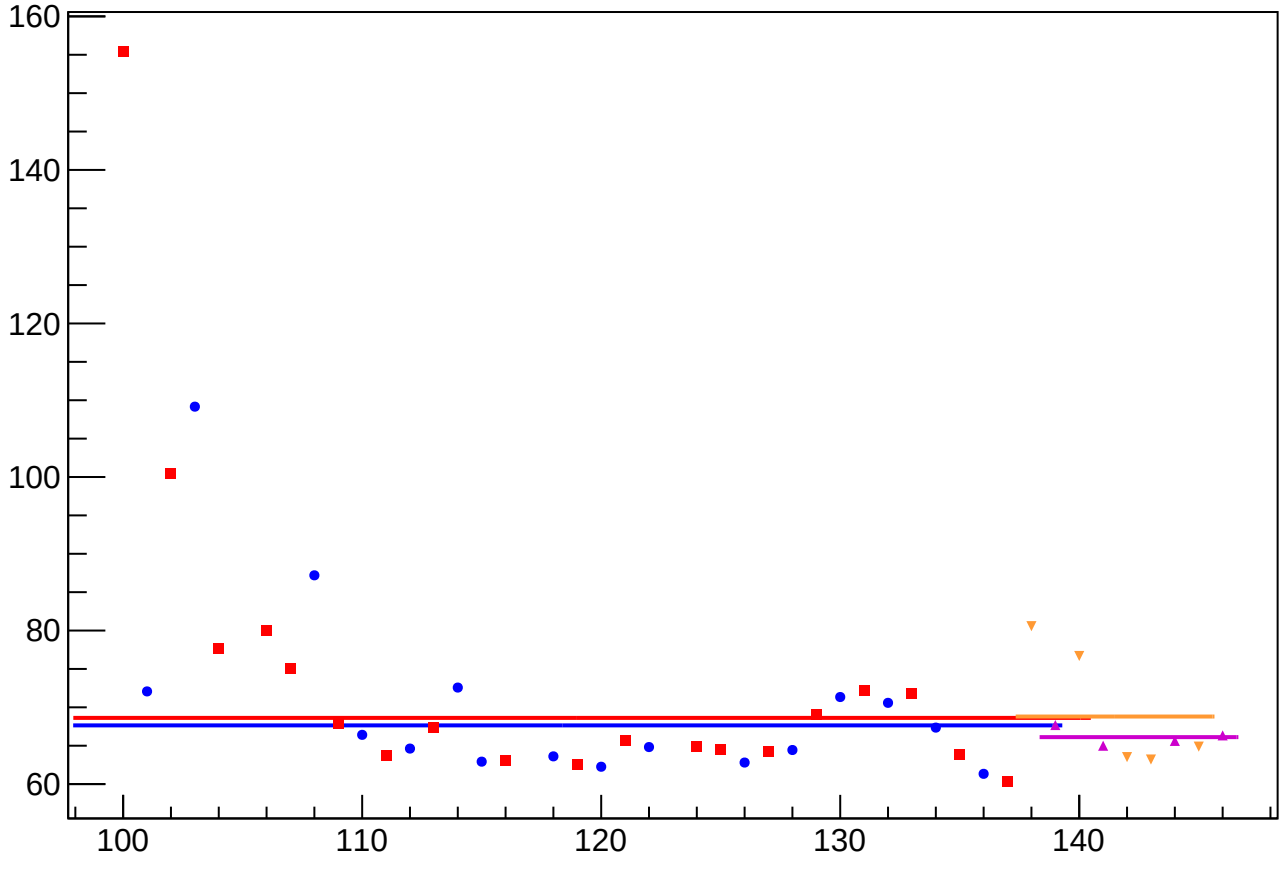
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -198.943+/-20.695 χ^2/NDF:22.4/19

Out: -153.382+/-20.854 χ^2/NDF:45.0/23

All: -176.336+/-14.689 χ^2/NDF: 69.8/43

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 68.801+/-0.026 χ^2/NDF:74364.9/4

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 66.118+/-0.025 χ^2/NDF:1544.0/3

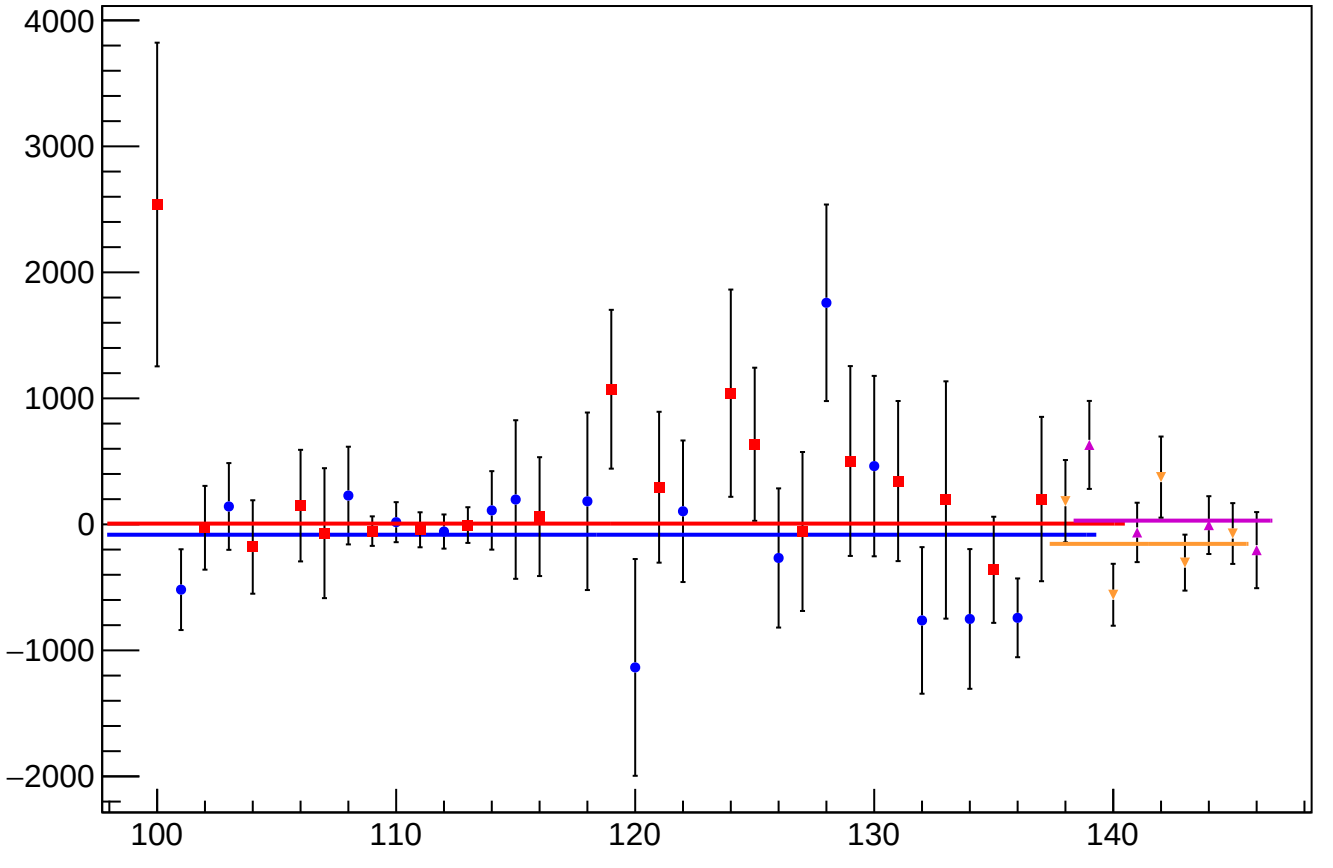
Left: 67.425+/-0.018 χ^2/NDF: 81518.1/8

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 67.123+/-0.015 χ^2/NDF:267674.7/19

Out: 68.682+/-0.015 χ^2/NDF:322561.3/23

All: 67.897+/-0.010 χ^2/NDF: 595866.8/43



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -154.732+/-116.992 χ^2/NDF:7.1/4

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 29.755+/-133.433 χ^2/NDF:3.7/3

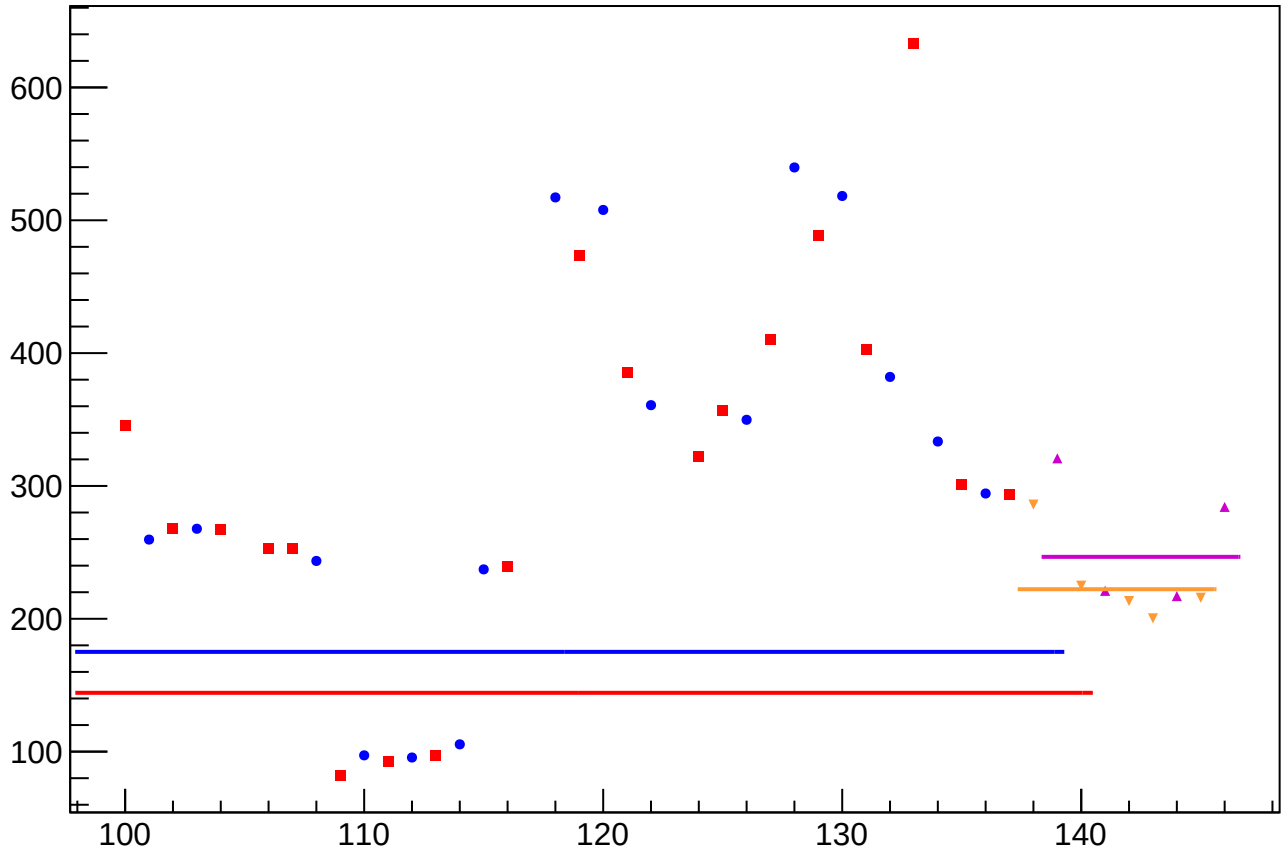
Left: -74.548+/-87.968 χ^2/NDF: 11.9/8

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -53.339+/-67.772 χ^2/NDF:23.5/19

Out: -32.676+/-57.424 χ^2/NDF:20.5/23

All: -41.311+/-43.812 χ^2/NDF: 44.1/43



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 222.258+/-0.083 χ^2/NDF:98760.8/4

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 246.623+/-0.094 χ^2/NDF:177978.8/3

Left: 232.848+/-0.062 χ^2/NDF: 314440.5/8

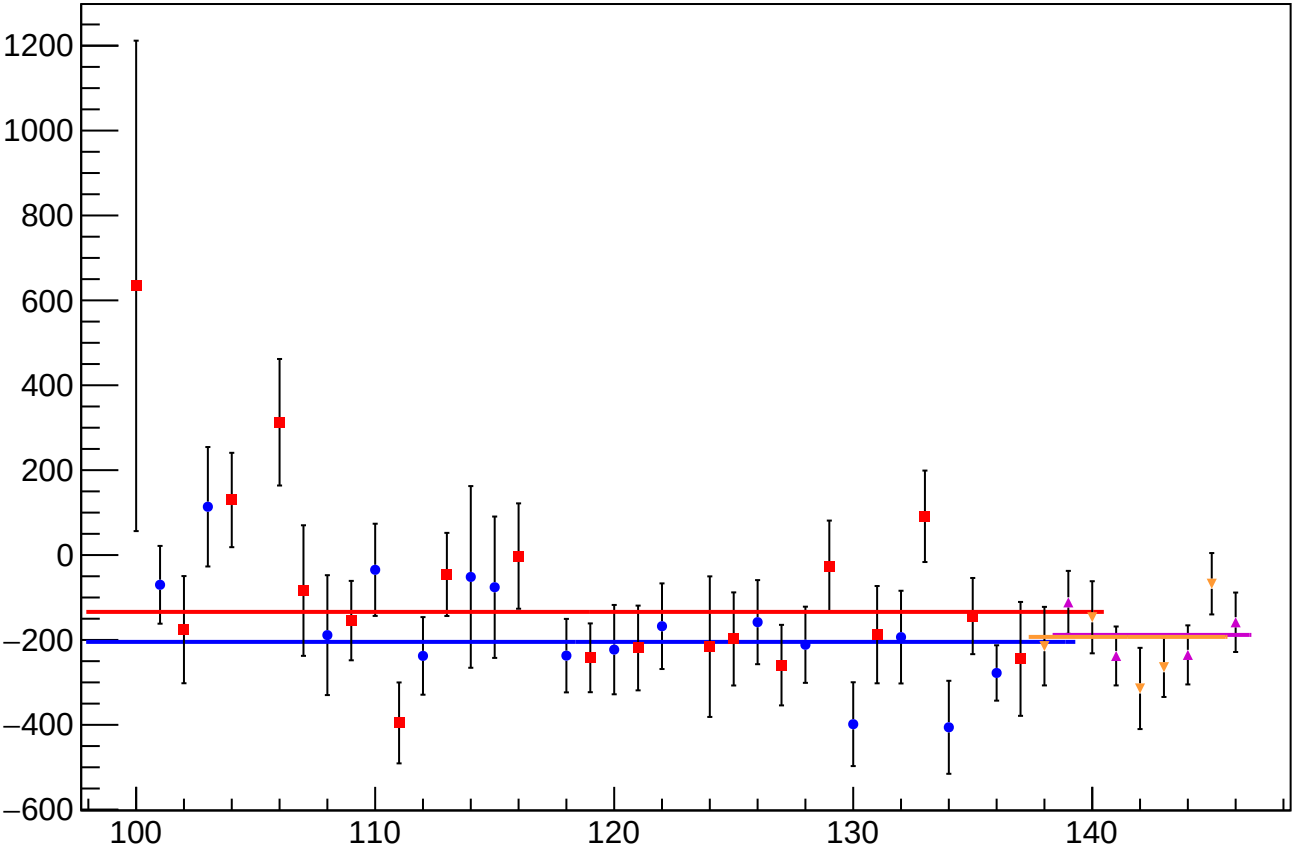
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 193.550+/-0.048 χ^2/NDF:5033453.7/19

Out: 163.064+/-0.041 χ^2/NDF:5905705.5/23

All: 175.804+/-0.031 χ^2/NDF: 11174740.2/43

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -192.824+/-36.282 χ^2/NDF:6.0/4

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -188.130+/-35.361 χ^2/NDF:2.2/3

Left: -190.416+/-25.323 χ^2/NDF: 8.2/8

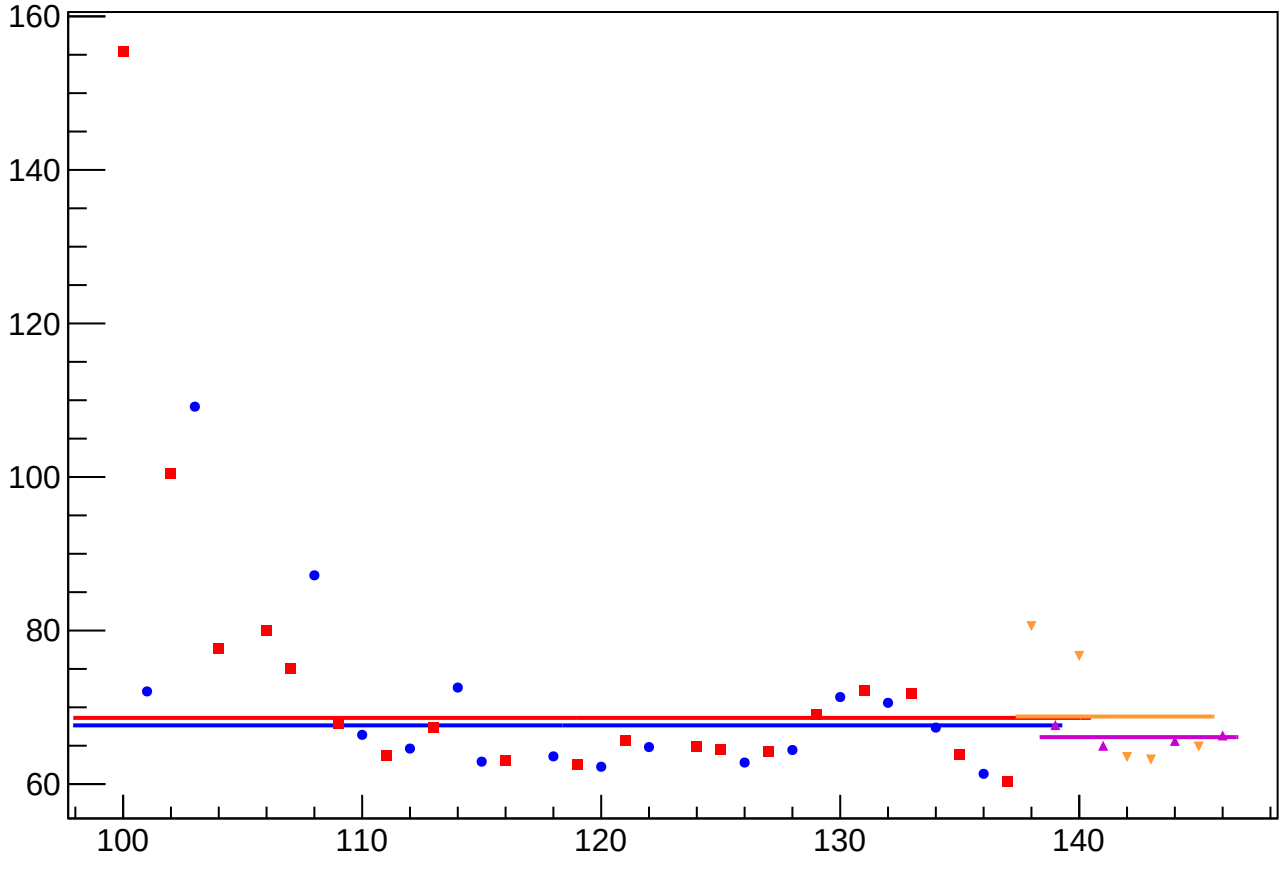
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -198.943+/-20.695 χ^2/NDF:22.4/19

Out: -153.383+/-20.854 χ^2/NDF:45.0/23

All: -176.336+/-14.689 χ^2/NDF: 69.8/43

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 68.801+/-0.026 χ^2/NDF:74362.3/4

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 66.118+/-0.025 χ^2/NDF:1543.8/3

Left: 67.425+/-0.018 χ^2/NDF: 81515.4/8

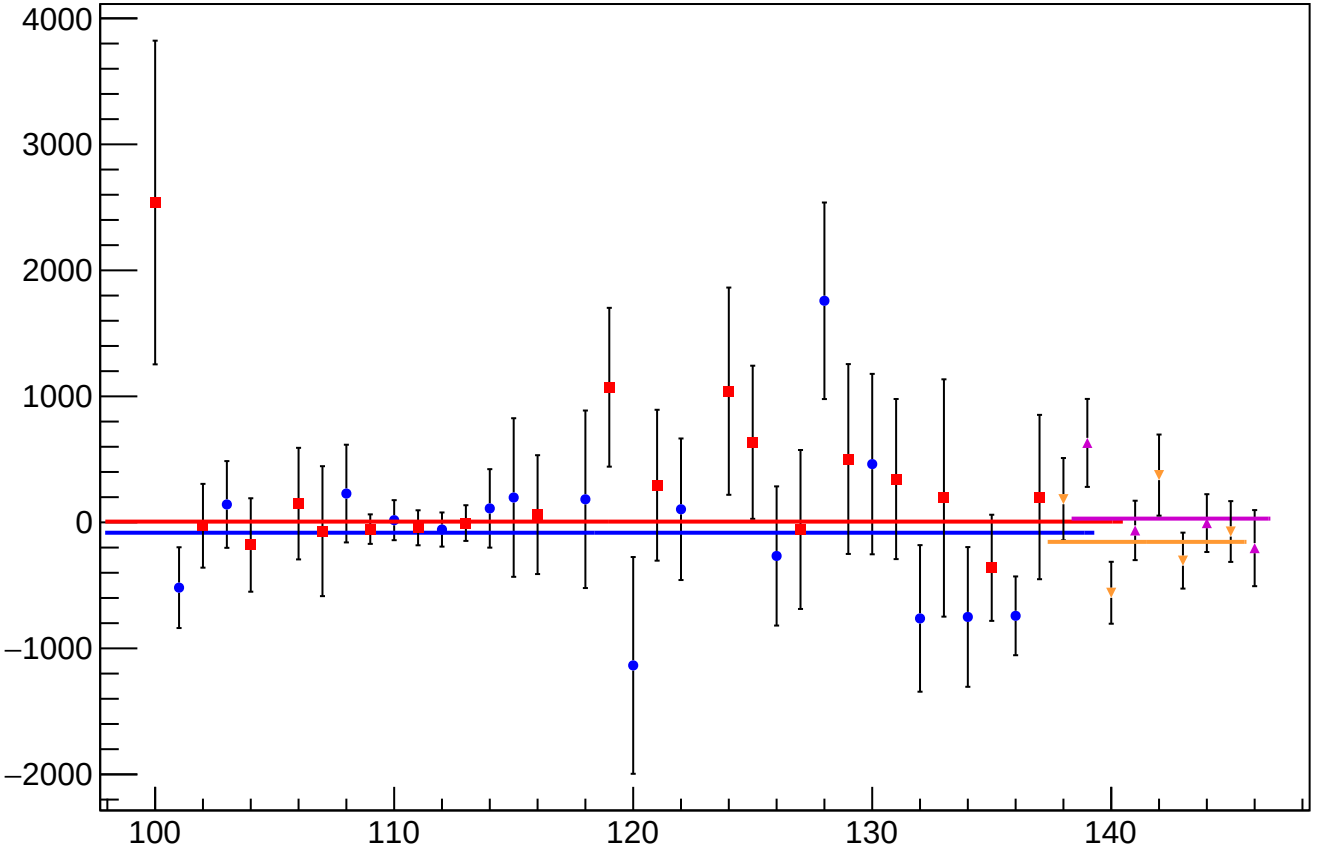
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 67.123+/-0.015 χ^2/NDF:267672.7/19

Out: 68.682+/-0.015 χ^2/NDF:322560.3/23

All: 67.897+/-0.010 χ^2/NDF: 595863.6/43

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -154.733+/-116.992 χ^2/NDF:7.1/4

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 29.755+/-133.433 χ^2/NDF:3.7/3

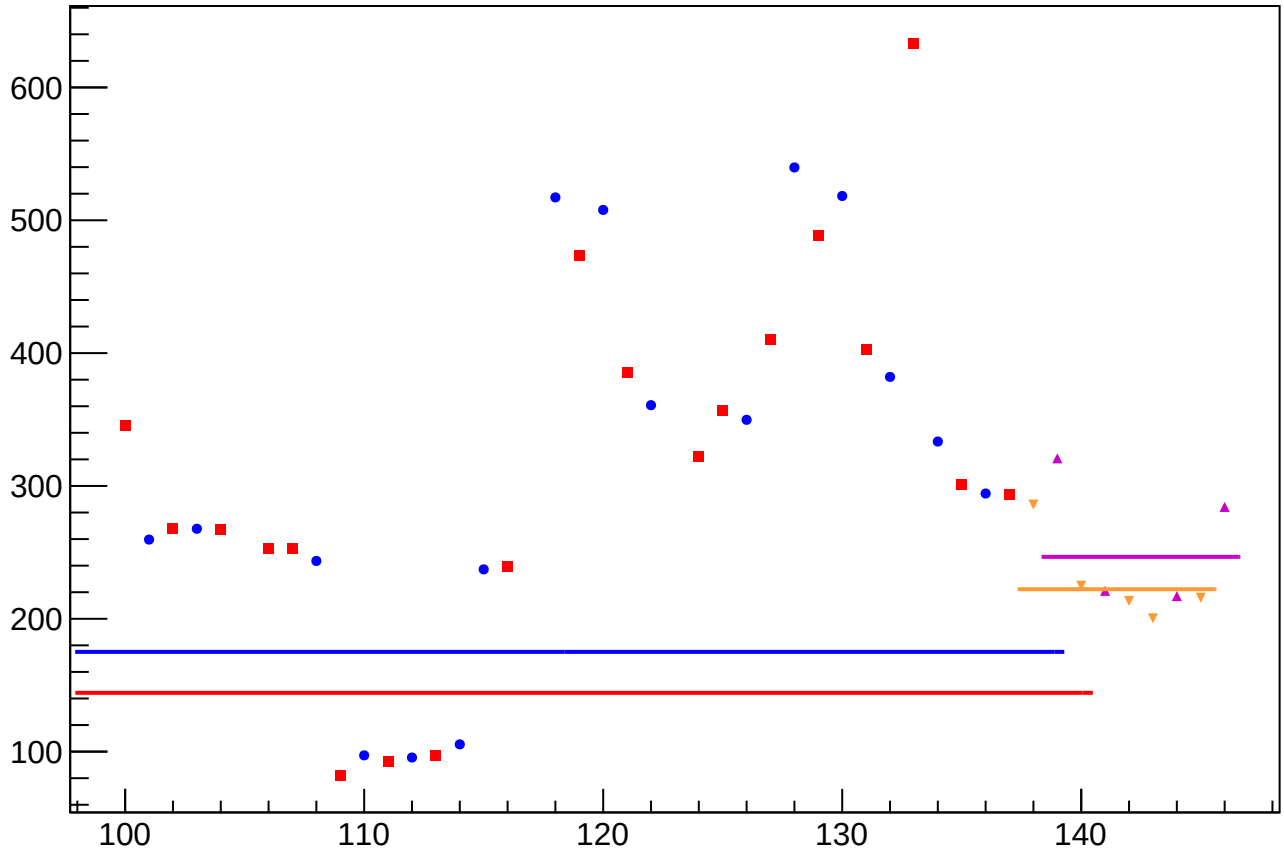
Left: -74.549+/-87.967 χ^2/NDF: 11.9/8

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -53.338+/-67.772 χ^2/NDF:23.5/19

Out: -32.677+/-57.424 χ^2/NDF:20.5/23

All: -41.312+/-43.812 χ^2/NDF: 44.1/43



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 222.257+/-0.083 χ^2/NDF:98760.8/4

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 246.622+/-0.094 χ^2/NDF:177976.7/3

Left: 232.847+/-0.062 χ^2/NDF: 314439.2/8

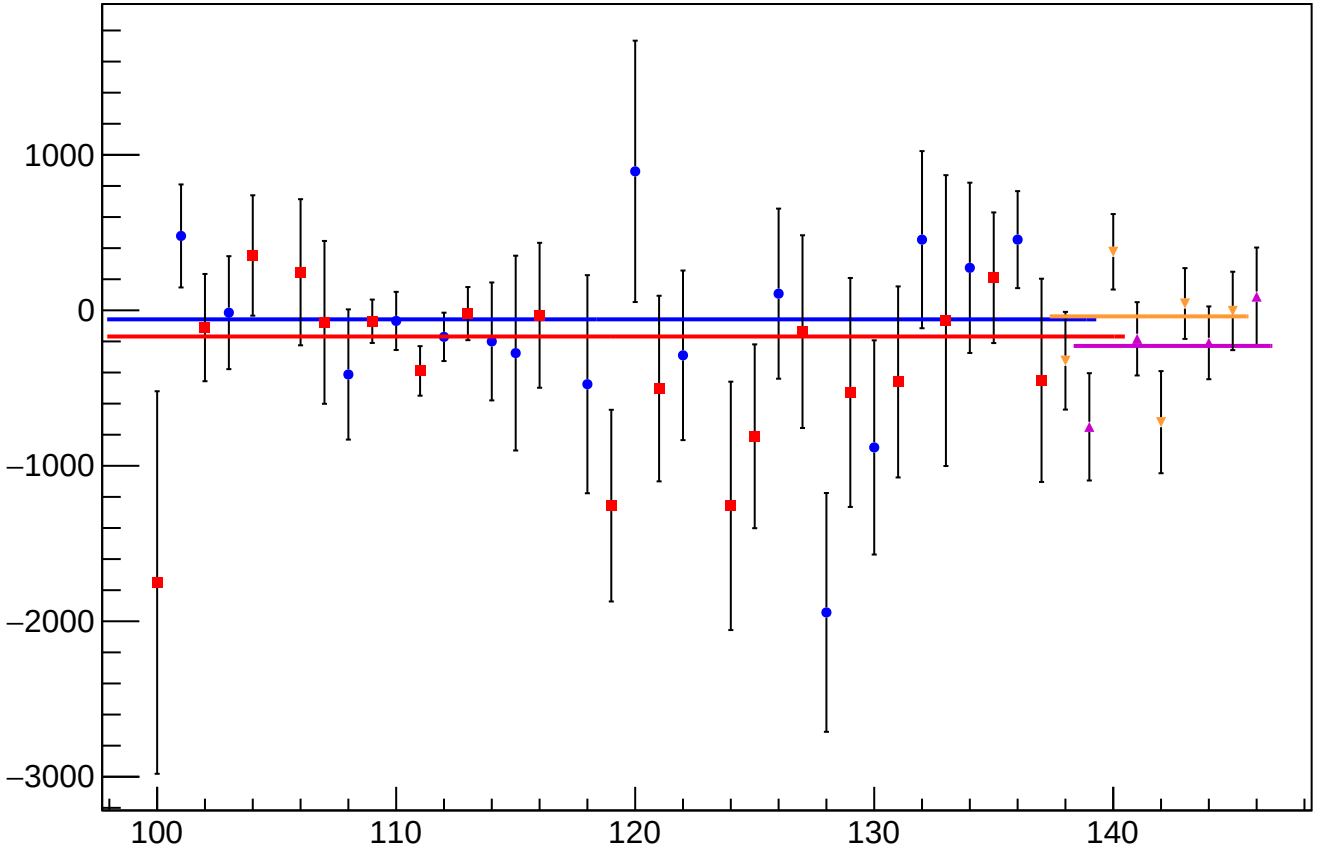
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 193.549+/-0.048 χ^2/NDF:5033482.5/19

Out: 163.063+/-0.041 χ^2/NDF:5905677.5/23

All: 175.804+/-0.031 χ^2/NDF: 11174729.2/43

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: -38.894+/-118.358 χ^2/NDF:8.2/4

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -228.930+/-135.248 χ^2/NDF:3.3/3

Left: -121.312+/-89.068 χ^2/NDF: 12.6/8

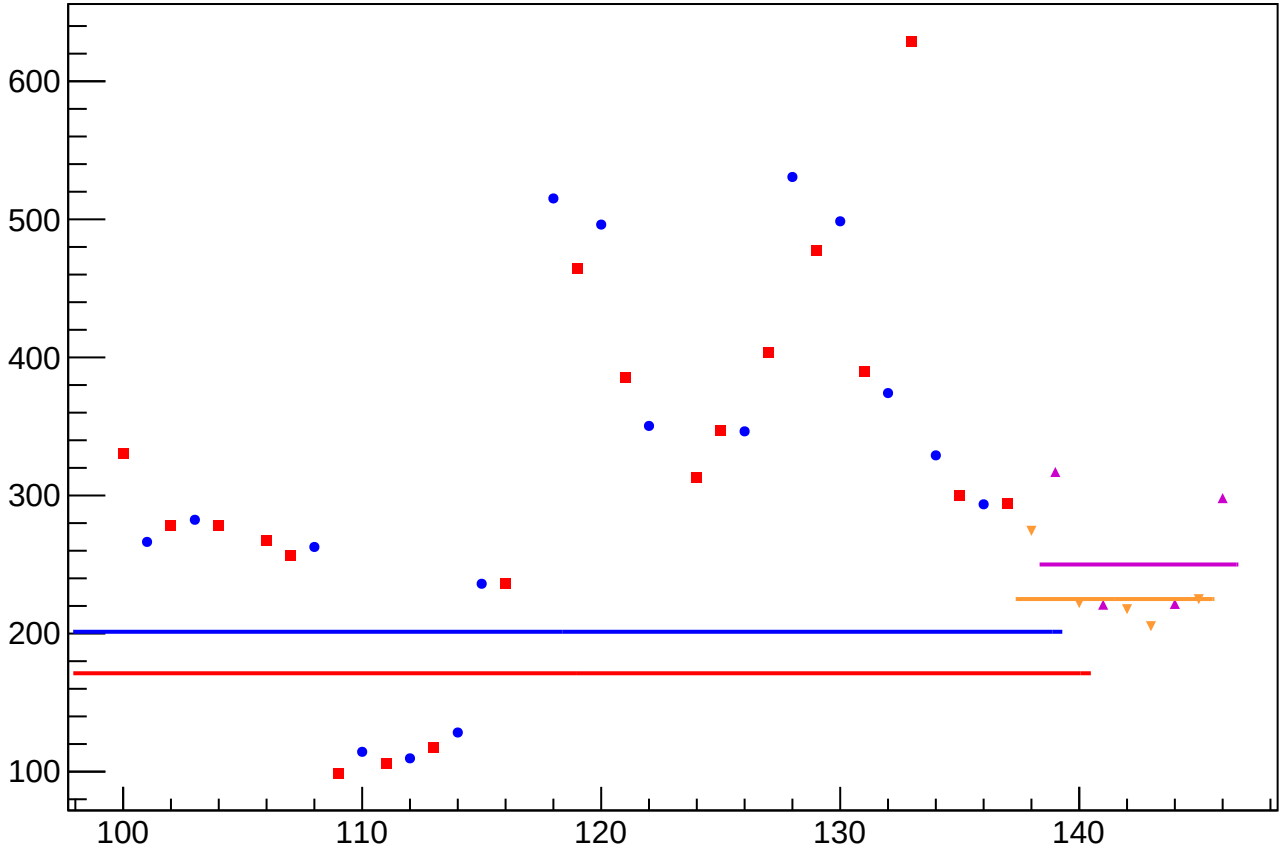
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -107.918+/-73.104 χ^2/NDF:21.8/19

Out: -131.525+/-63.109 χ^2/NDF:24.5/23

All: -121.444+/-47.771 χ^2/NDF: 46.4/43

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 225.007+/-0.084 χ^2/NDF:65702.2/4

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 250.033+/-0.096 χ^2/NDF:181965.3/3

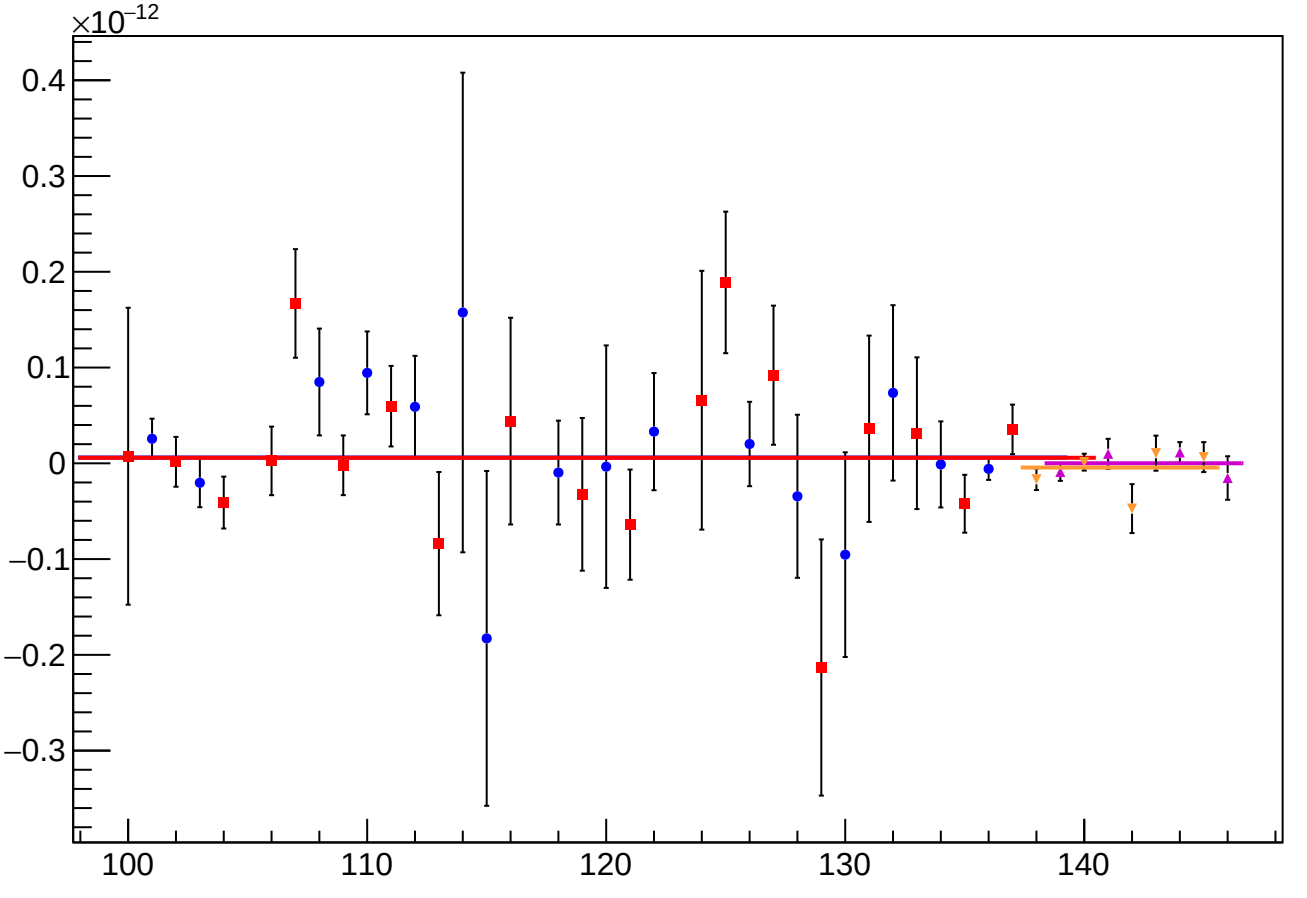
Left: 235.861+/-0.063 χ^2/NDF: 286449.6/8

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 215.539+/-0.052 χ^2/NDF:3937960.1/19

Out: 186.534+/-0.045 χ^2/NDF:4553512.4/23

All: 198.920+/-0.034 χ^2/NDF: 8671866.3/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/3

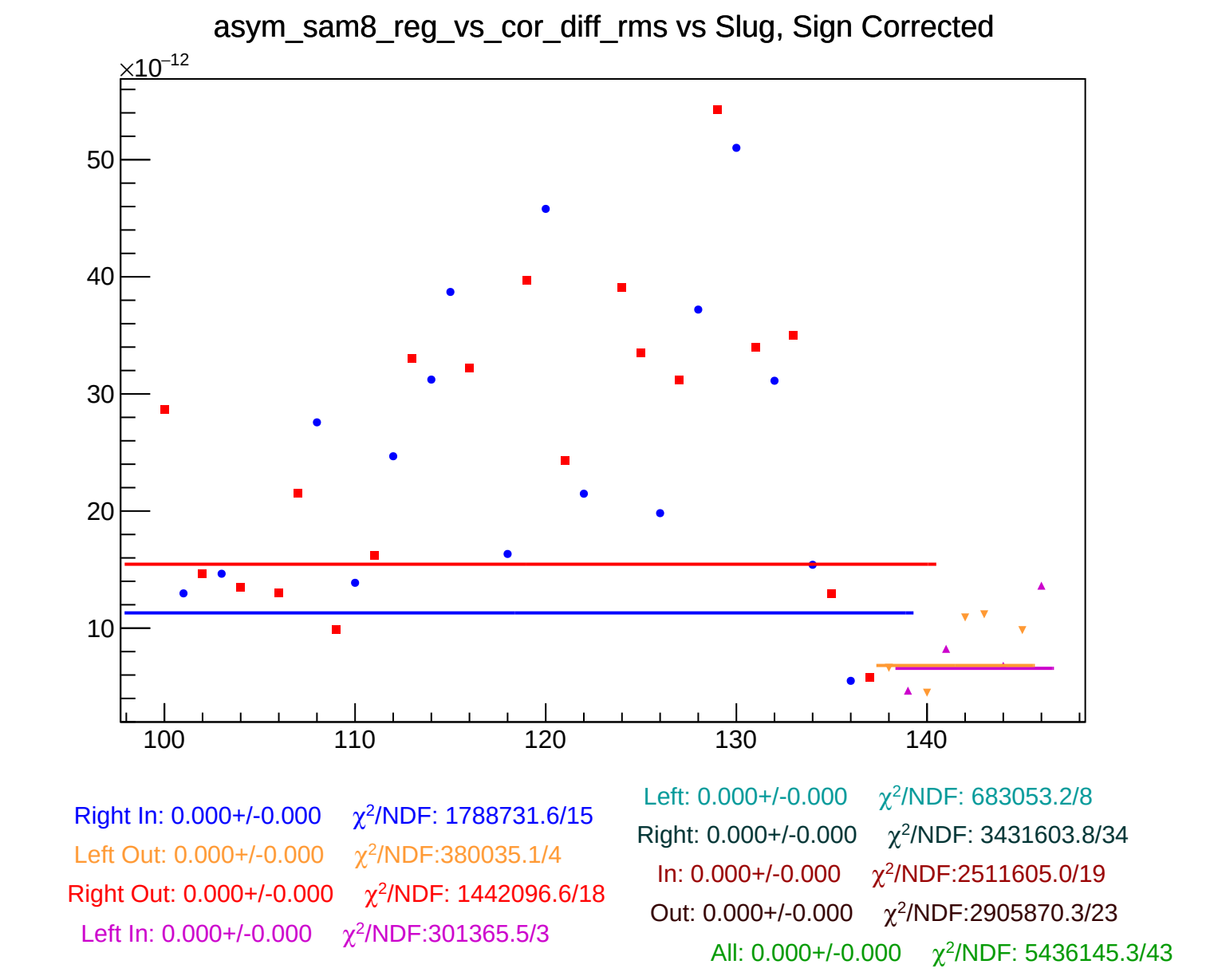
Left: -0.000+/-0.000 χ^2/NDF: 8.8/8

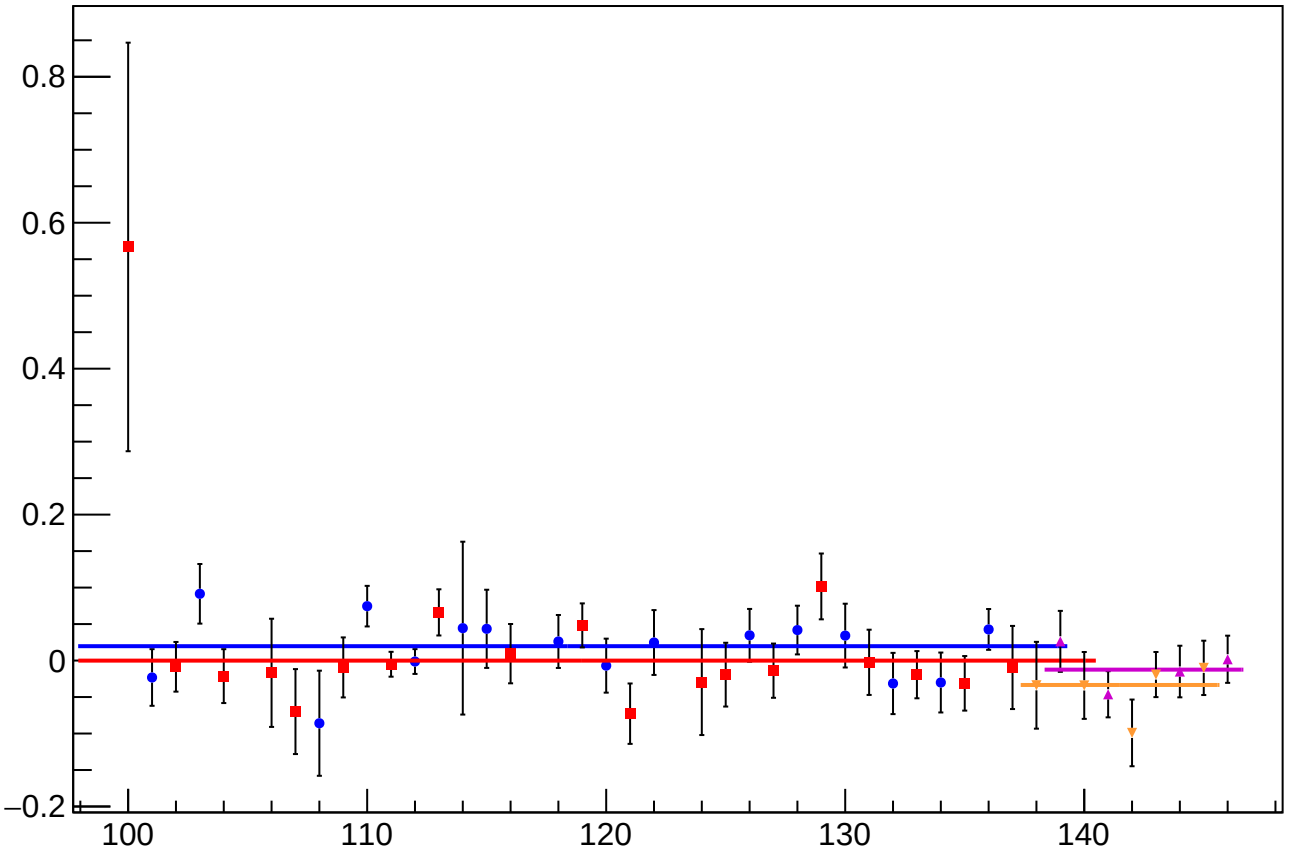
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: 0.000+/-0.000 χ^2/NDF:17.0/19

Out: -0.000+/-0.000 χ^2/NDF:36.8/23

All: 0.000+/-0.000 χ^2/NDF: 54.2/43


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:380035.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:301365.5/3
Left: 0.000+/-0.000 χ²/NDF: 683053.2/8
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:2511605.0/19
Out: 0.000+/-0.000 χ²/NDF:2905870.3/23
All: 0.000+/-0.000 χ²/NDF: 5436145.3/43



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.033+/-0.018 χ^2/NDF:2.7/4

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.012+/-0.017 χ^2/NDF:2.2/3

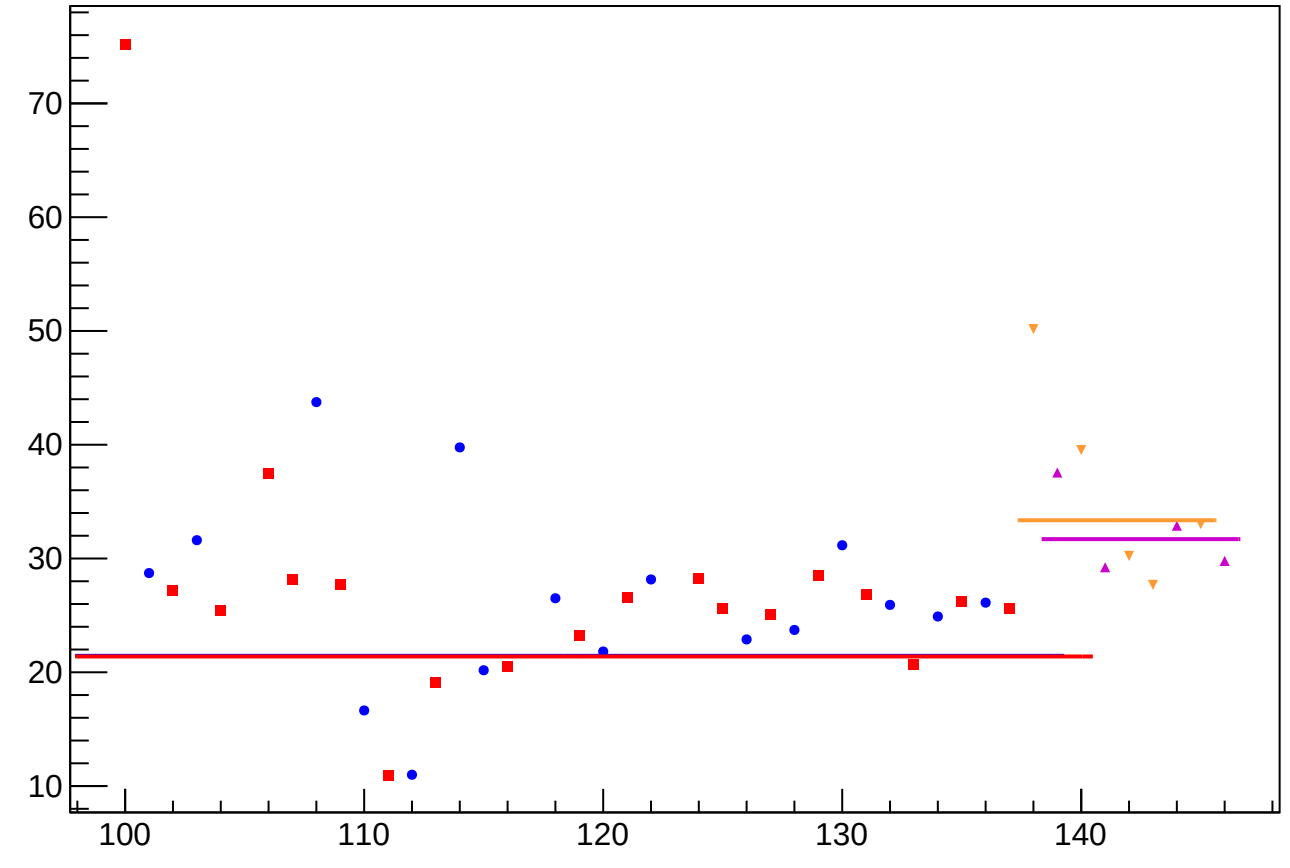
Left: -0.022+/-0.013 χ^2/NDF: 5.6/8

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.013+/-0.008 χ^2/NDF:22.0/19

Out: -0.006+/-0.008 χ^2/NDF:28.3/23

All: 0.004+/-0.005 χ^2/NDF: 53.4/43



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 33.363+/-0.013 χ^2/NDF:272848.5/4

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 31.703+/-0.012 χ^2/NDF:60785.9/3

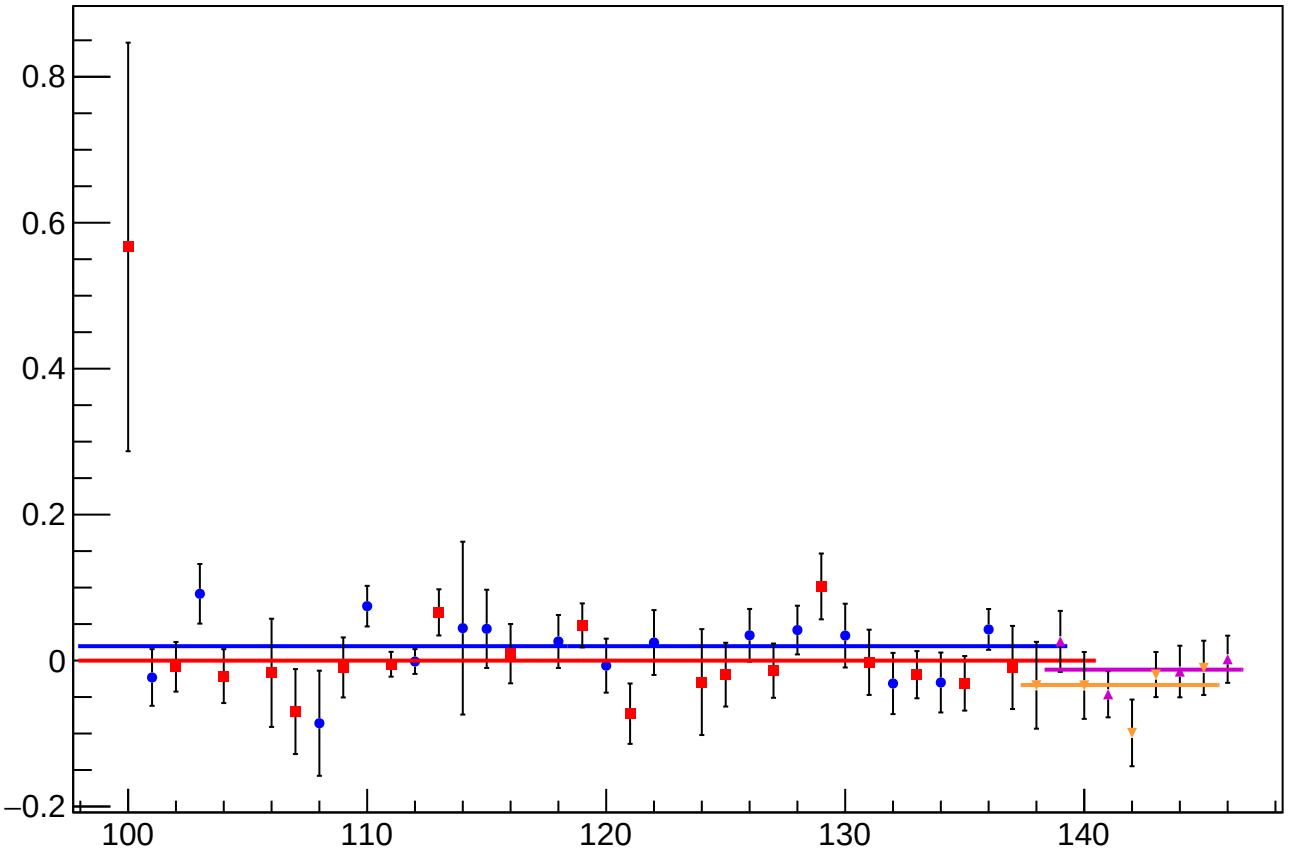
Left: 32.490+/-0.009 χ^2/NDF: 342341.2/8

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.503+/-0.005 χ^2/NDF:2161694.5/19

Out: 23.528+/-0.005 χ^2/NDF:2292585.2/23

All: 23.516+/-0.004 χ^2/NDF: 4454290.2/43



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.033+/-0.018 χ^2/NDF:2.7/4

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.012+/-0.017 χ^2/NDF:2.2/3

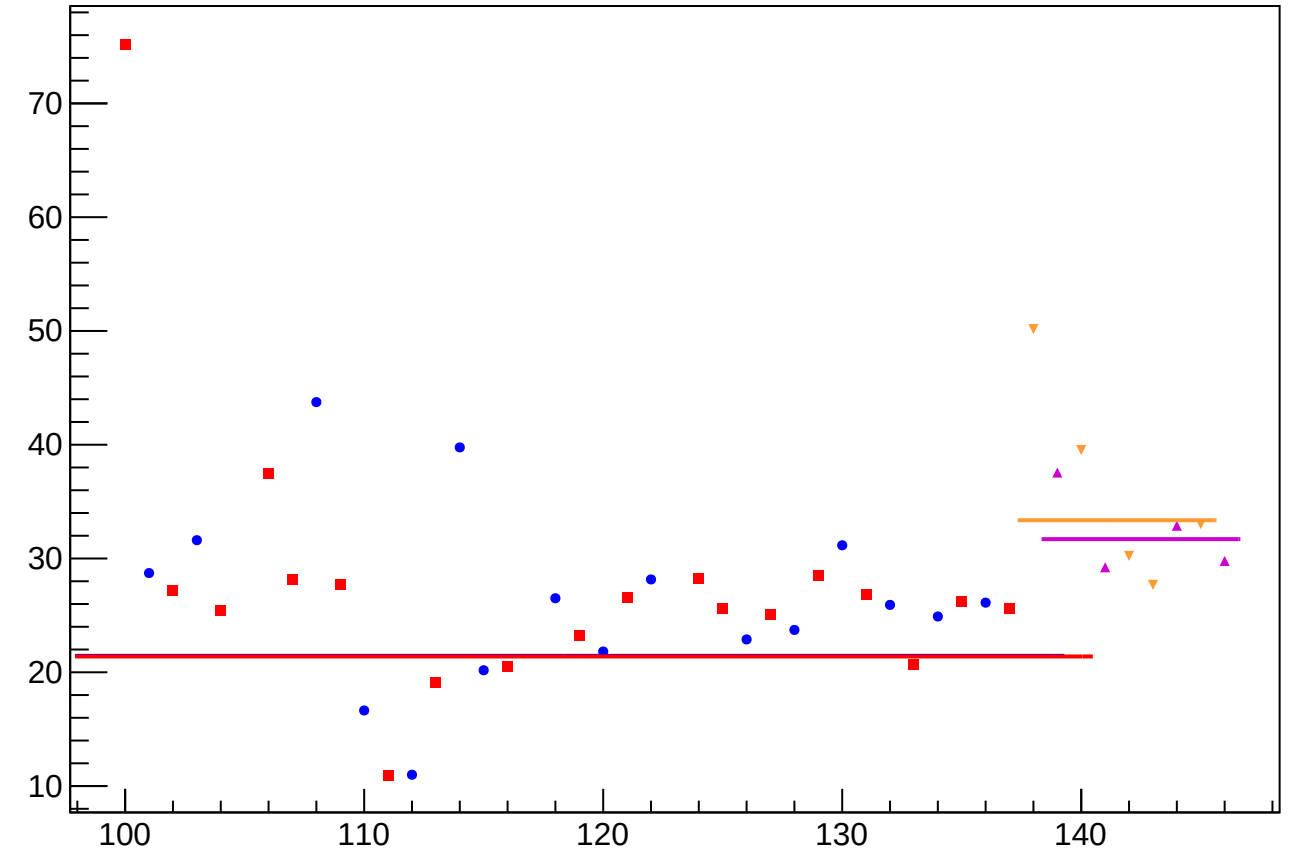
Left: -0.022+/-0.013 χ^2/NDF: 5.6/8

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.013+/-0.008 χ^2/NDF:22.0/19

Out: -0.006+/-0.008 χ^2/NDF:28.3/23

All: 0.004+/-0.005 χ^2/NDF: 53.4/43



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 33.363+/-0.013 χ^2/NDF:272848.5/4

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 31.703+/-0.012 χ^2/NDF:60785.9/3

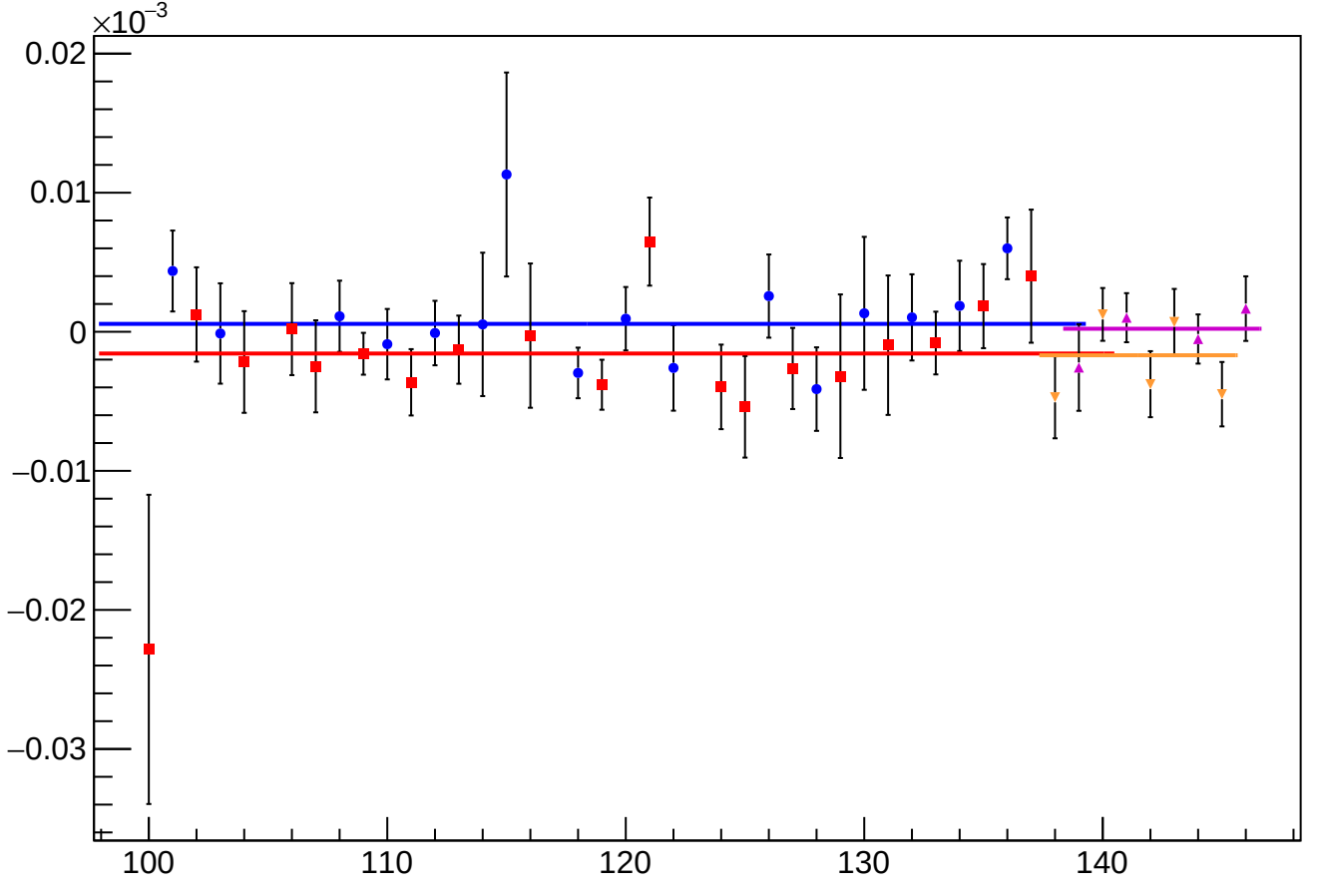
Left: 32.490+/-0.009 χ^2/NDF: 342341.2/8

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.503+/-0.005 χ^2/NDF:2161694.5/19

Out: 23.528+/-0.005 χ^2/NDF:2292585.2/23

All: 23.516+/-0.004 χ^2/NDF: 4454290.2/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:6.7/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

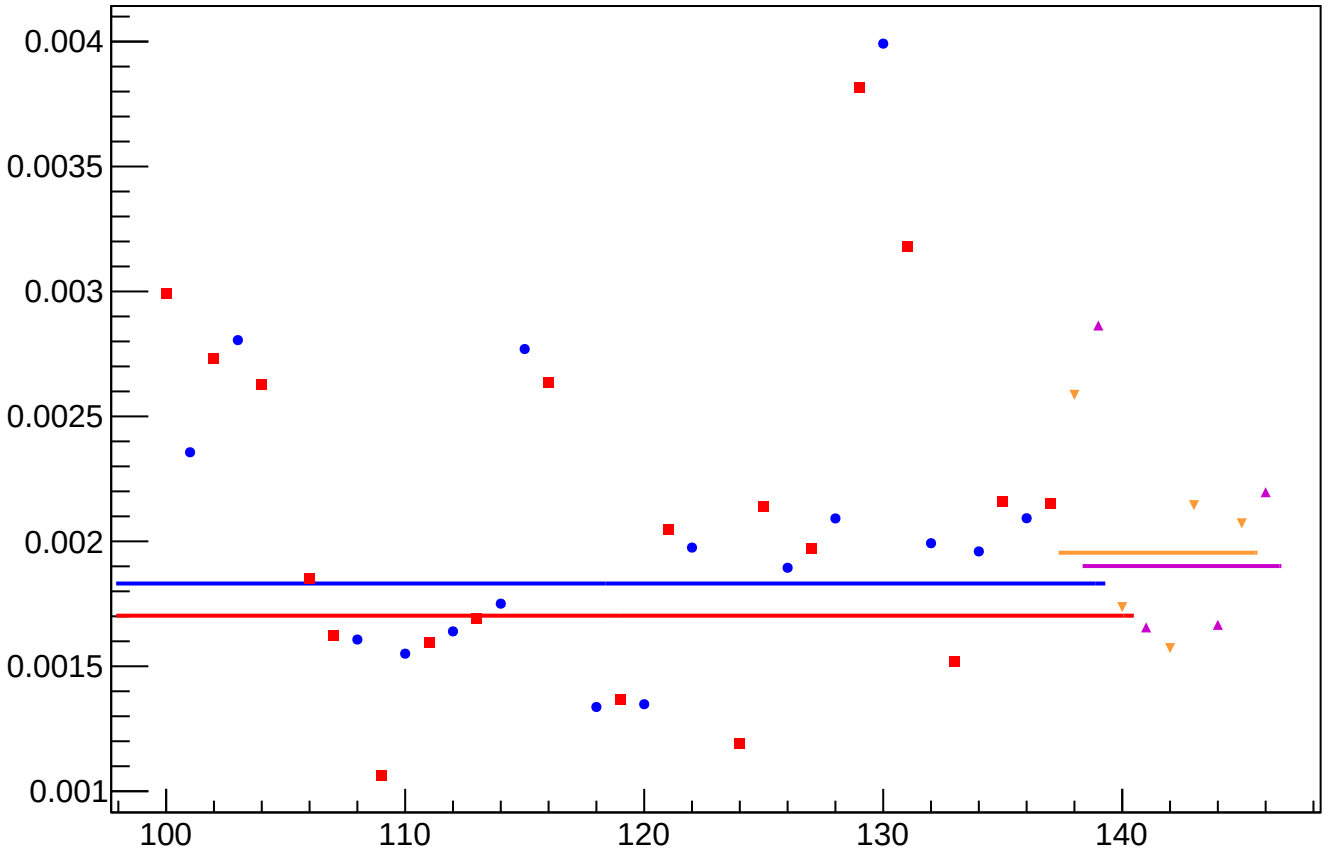
Left: -0.000+/-0.000 χ^2/NDF: 9.9/8

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:19.9/19

Out: -0.000+/-0.000 χ^2/NDF:25.0/23

All: -0.000+/-0.000 χ^2/NDF: 51.4/43



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:187744.0/4

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:297645.3/3

Left: 0.002+/-0.000 χ^2/NDF: 488046.4/8

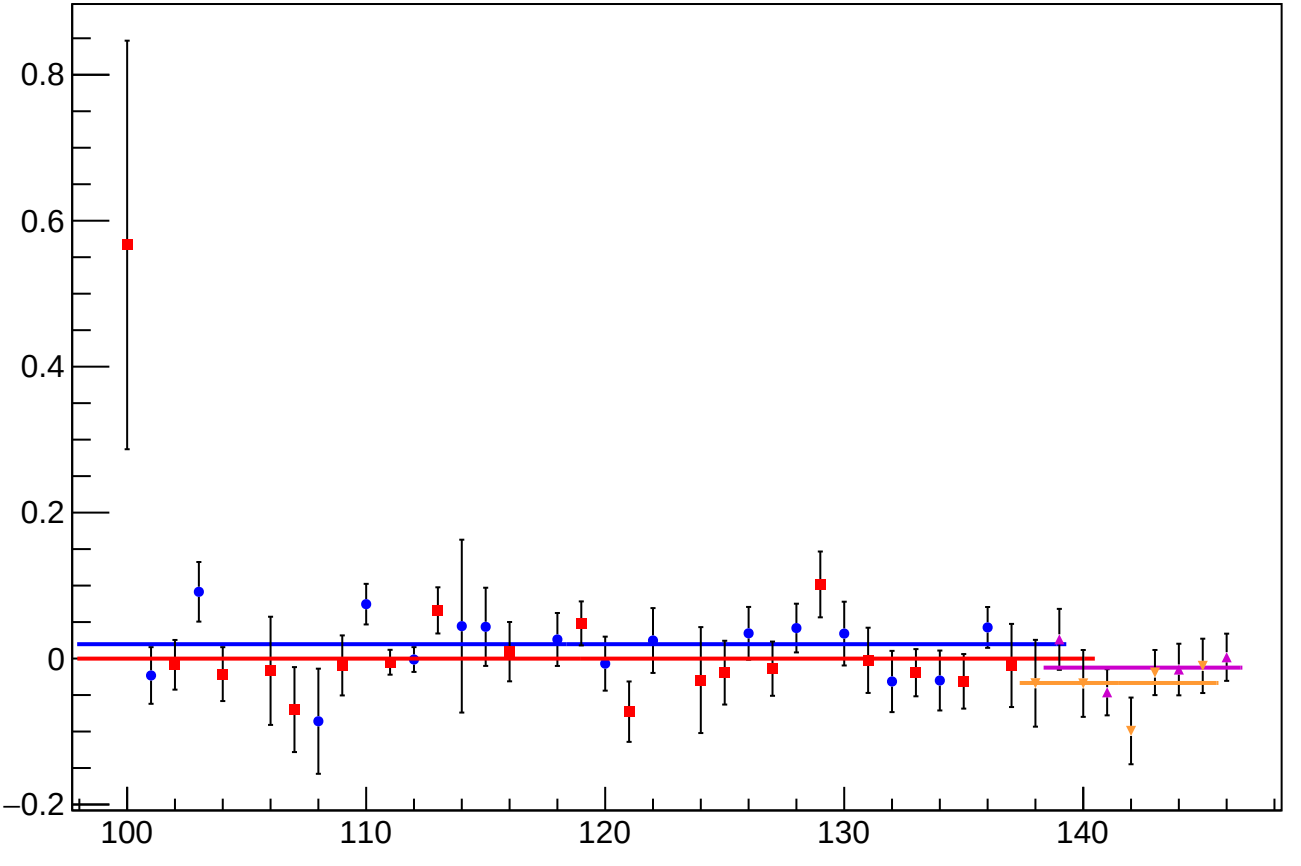
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1204244.3/19

Out: 0.002+/-0.000 χ^2/NDF:1750107.2/23

All: 0.002+/-0.000 χ^2/NDF: 2973164.0/43

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: -0.033+/-0.018 χ^2/NDF:2.7/4

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.012+/-0.017 χ^2/NDF:2.2/3

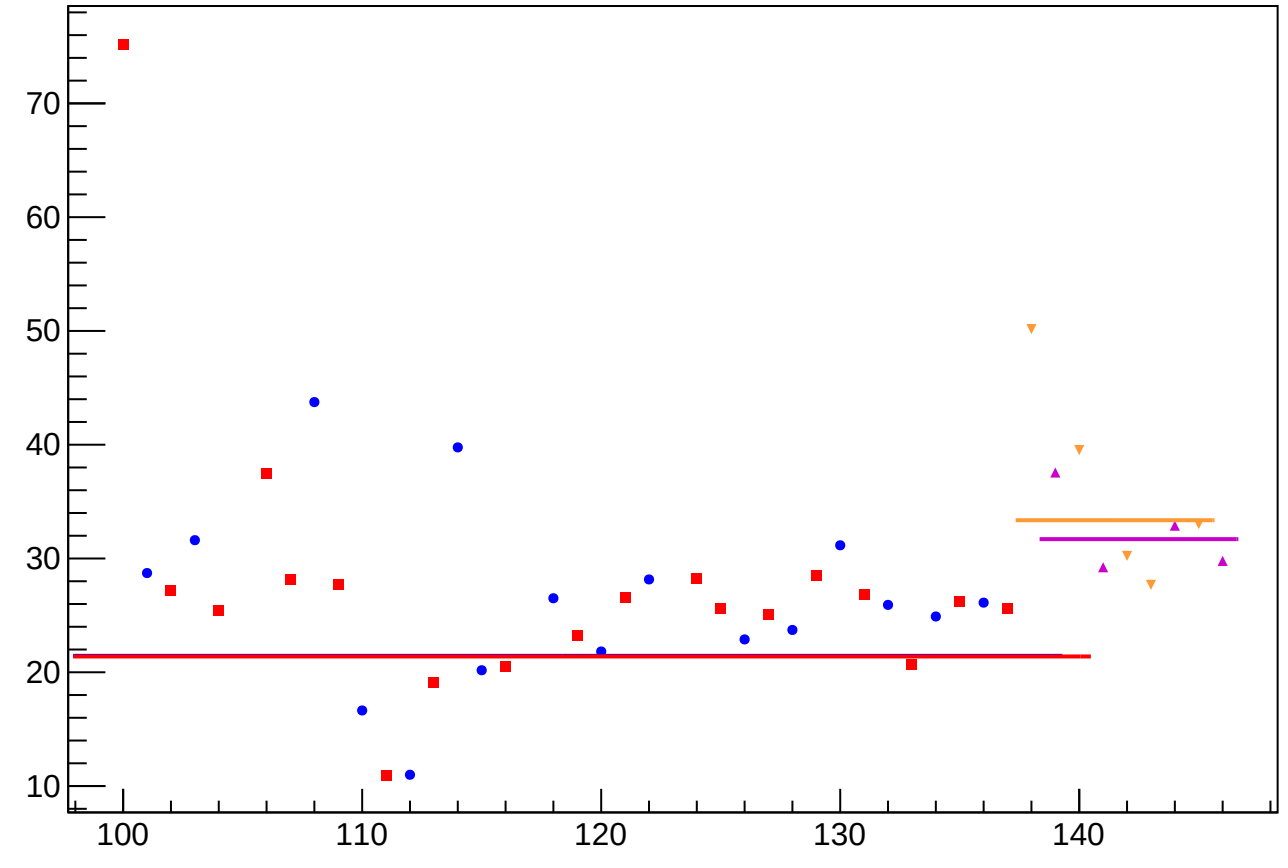
Left: -0.022+/-0.013 χ^2/NDF: 5.6/8

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.013+/-0.008 χ^2/NDF:22.0/19

Out: -0.006+/-0.008 χ^2/NDF:28.3/23

All: 0.004+/-0.005 χ^2/NDF: 53.4/43



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 33.363+/-0.013 χ^2/NDF:272832.9/4

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 31.703+/-0.012 χ^2/NDF:60781.4/3

Left: 32.491+/-0.009 χ^2/NDF: 342322.2/8

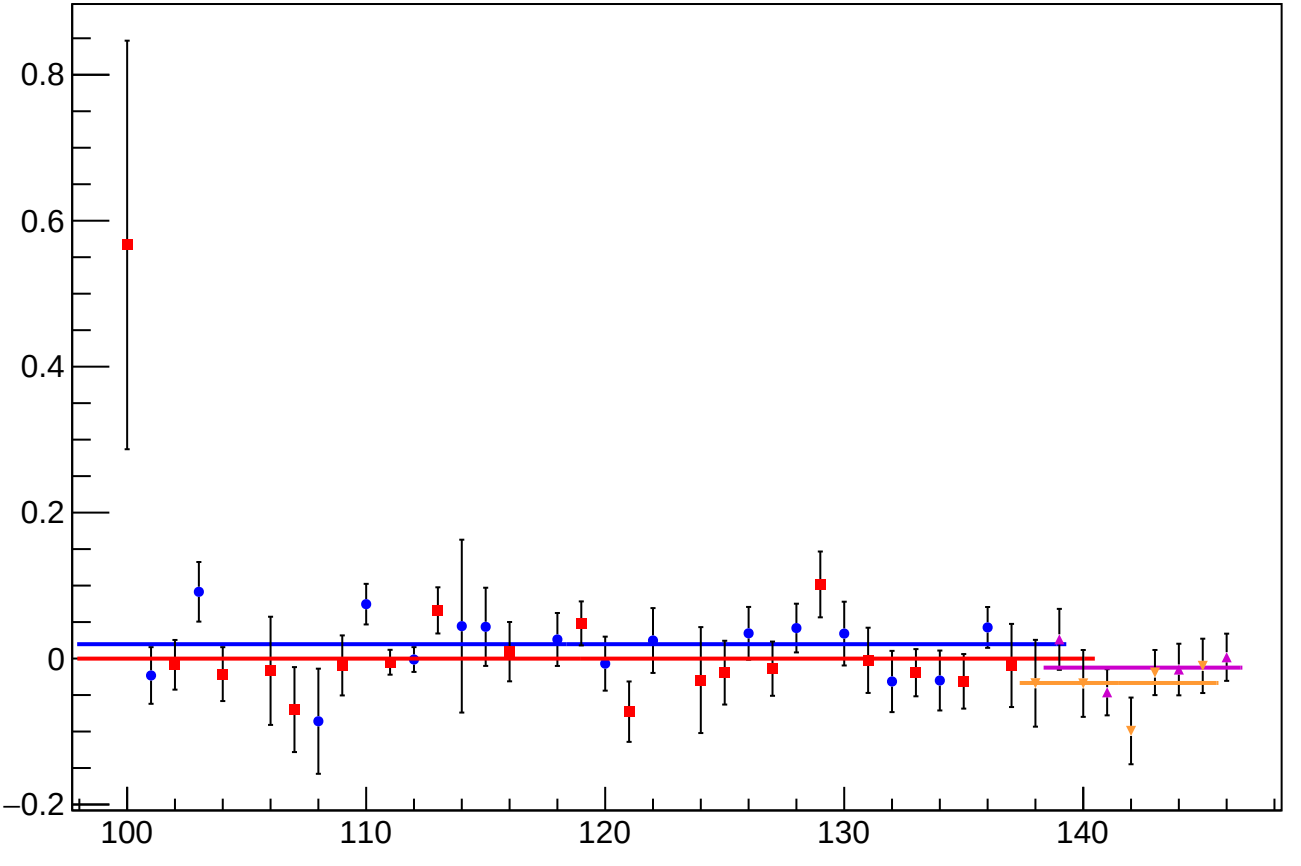
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.503+/-0.005 χ^2/NDF:2161937.8/19

Out: 23.528+/-0.005 χ^2/NDF:2292809.5/23

All: 23.515+/-0.004 χ^2/NDF: 4454757.8/43

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: -0.033+/-0.018 χ^2/NDF:2.7/4

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.012+/-0.017 χ^2/NDF:2.2/3

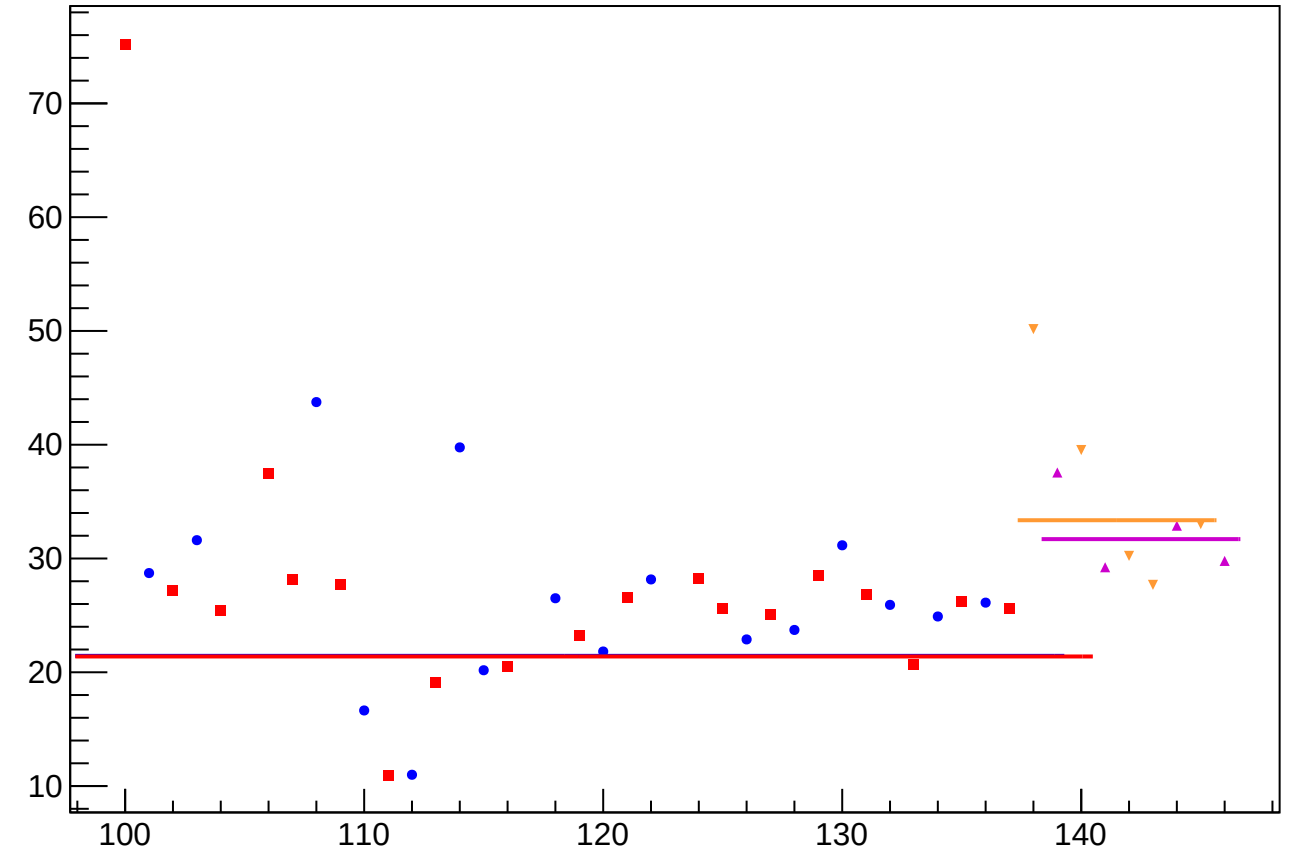
Left: -0.022+/-0.013 χ^2/NDF: 5.6/8

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.013+/-0.008 χ^2/NDF:22.0/19

Out: -0.006+/-0.008 χ^2/NDF:28.3/23

All: 0.004+/-0.005 χ^2/NDF: 53.4/43



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 33.363+/-0.013 χ^2/NDF:272832.9/4

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 31.703+/-0.012 χ^2/NDF:60781.4/3

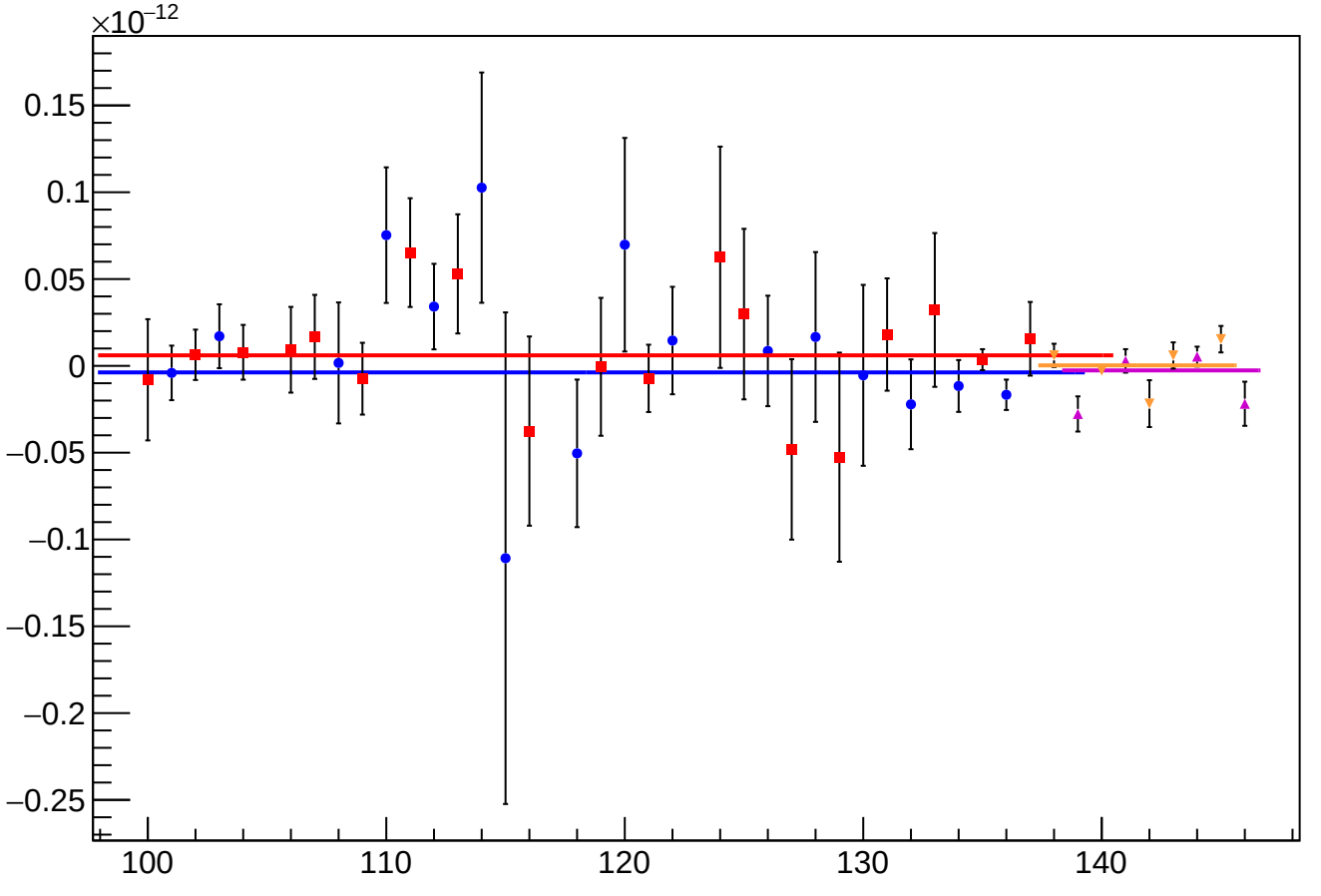
Left: 32.491+/-0.009 χ^2/NDF: 342322.2/8

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.503+/-0.005 χ^2/NDF:2161937.8/19

Out: 23.528+/-0.005 χ^2/NDF:2292809.5/23

All: 23.515+/-0.004 χ^2/NDF: 4454757.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/3

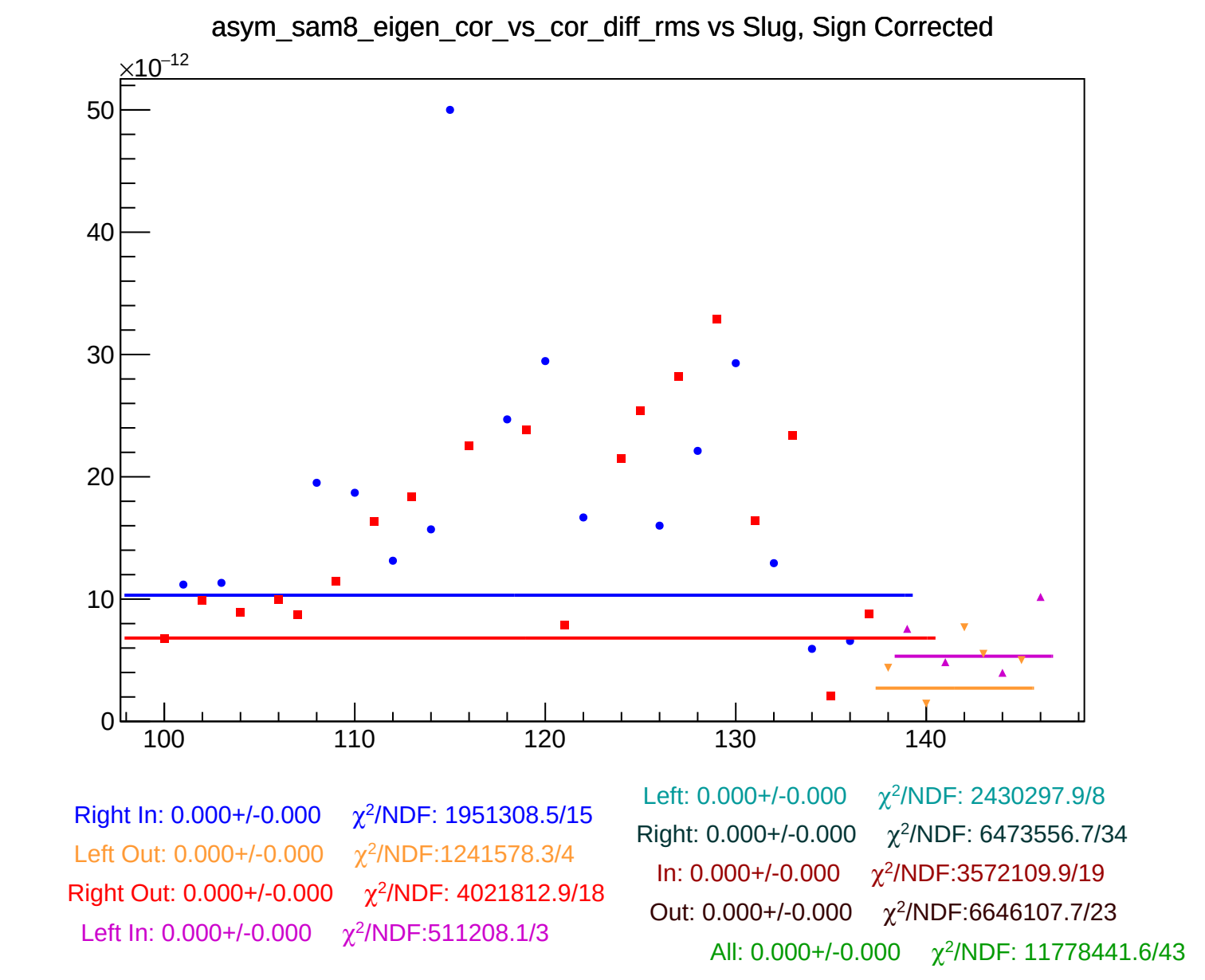
Left: -0.000+/-0.000 χ^2/NDF: 20.4/8

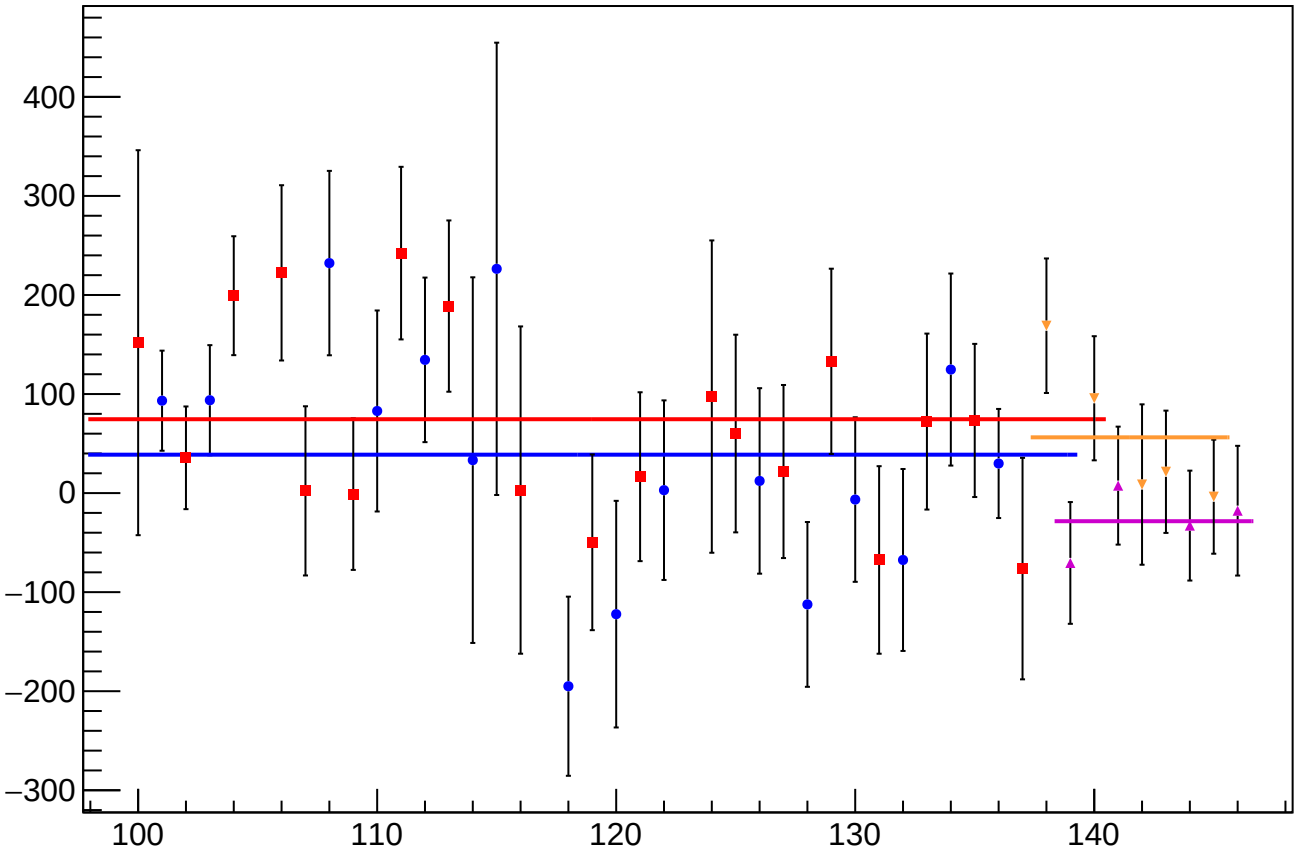
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:28.2/19

Out: 0.000+/-0.000 χ^2/NDF:21.7/23

All: 0.000+/-0.000 χ^2/NDF: 51.4/43


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
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1241578.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:511208.1/3
Left: 0.000+/-0.000 χ²/NDF: 2430297.9/8
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3572109.9/19
Out: 0.000+/-0.000 χ²/NDF:6646107.7/23
All: 0.000+/-0.000 χ²/NDF: 11778441.6/43



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 56.293+/-29.009 χ^2/NDF:4.9/4

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: -28.372+/-30.086 χ^2/NDF:0.9/3

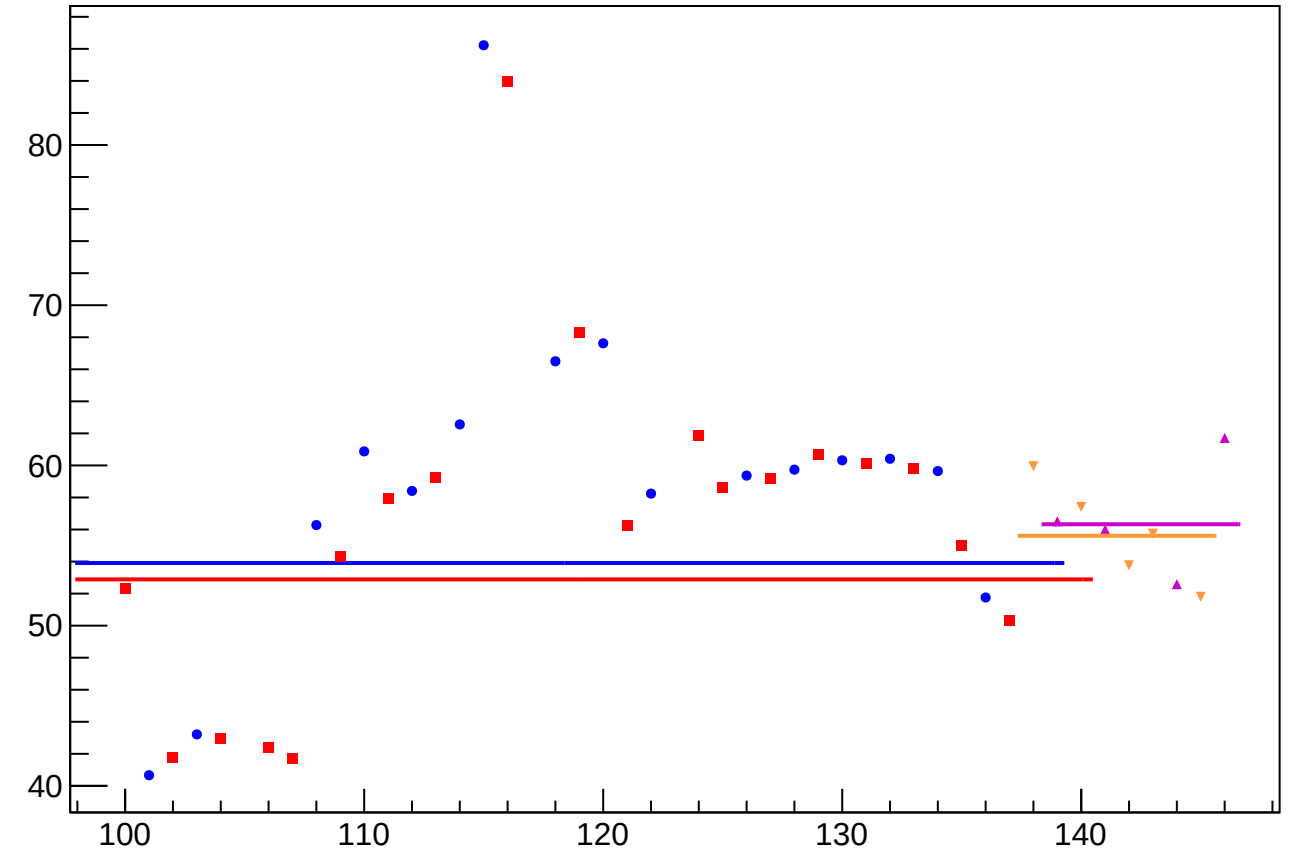
Left: 15.504+/-20.883 χ^2/NDF: 9.9/8

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 17.613+/-16.892 χ^2/NDF:27.6/19

Out: 68.766+/-16.355 χ^2/NDF:27.6/23

All: 44.016+/-11.750 χ^2/NDF: 59.9/43



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 55.610+/-0.021 χ^2/NDF:19625.3/4

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

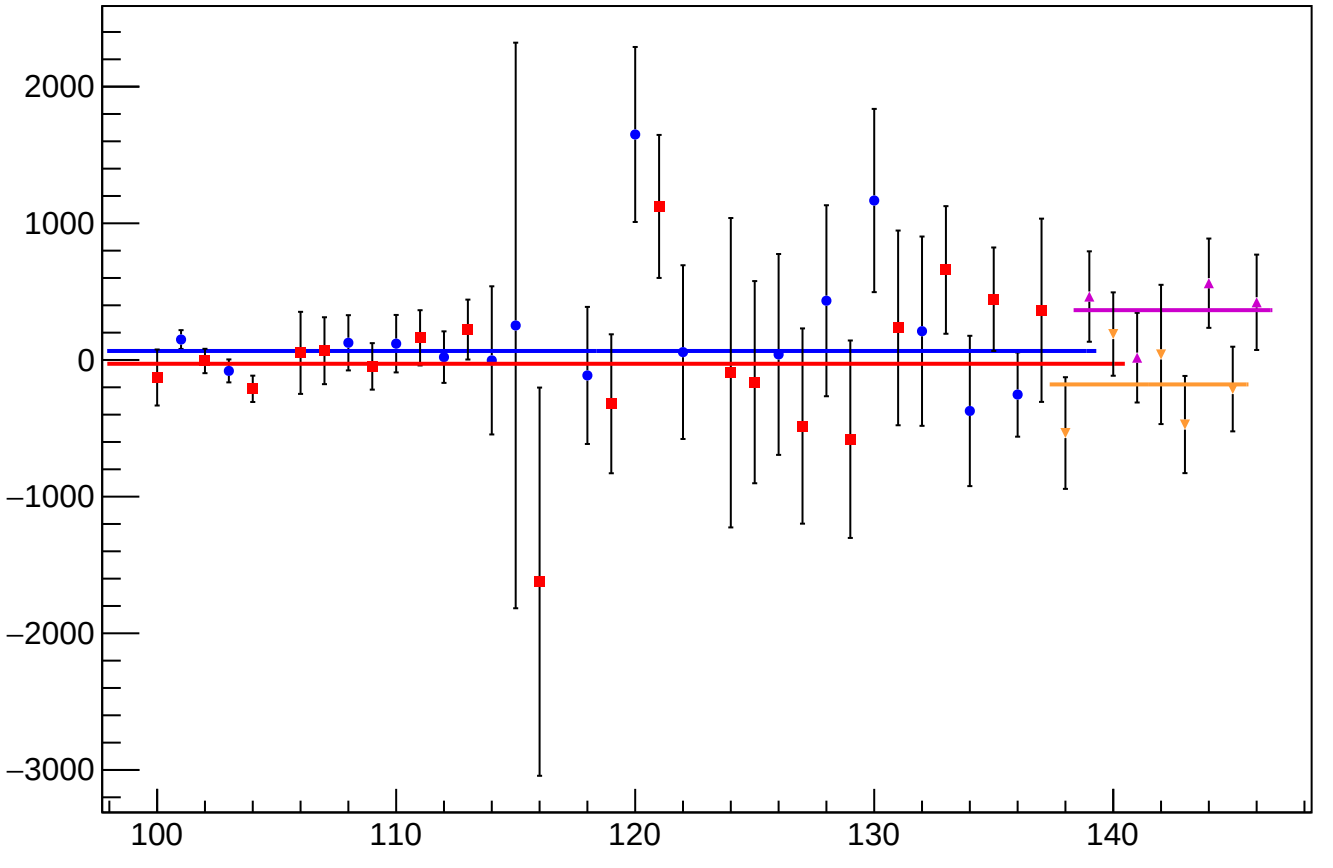
Left: 55.956+/-0.015 χ^2/NDF: 42902.1/8

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 54.674+/-0.012 χ^2/NDF:424781.8/19

Out: 53.754+/-0.012 χ^2/NDF:456854.9/23

All: 54.199+/-0.008 χ^2/NDF: 884700.3/43



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -178.851+/-160.285 χ^2/NDF:3.1/4

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 364.542+/-166.643 χ^2/NDF:1.6/3

Left: 82.282+/-115.521 χ^2/NDF: 10.2/8

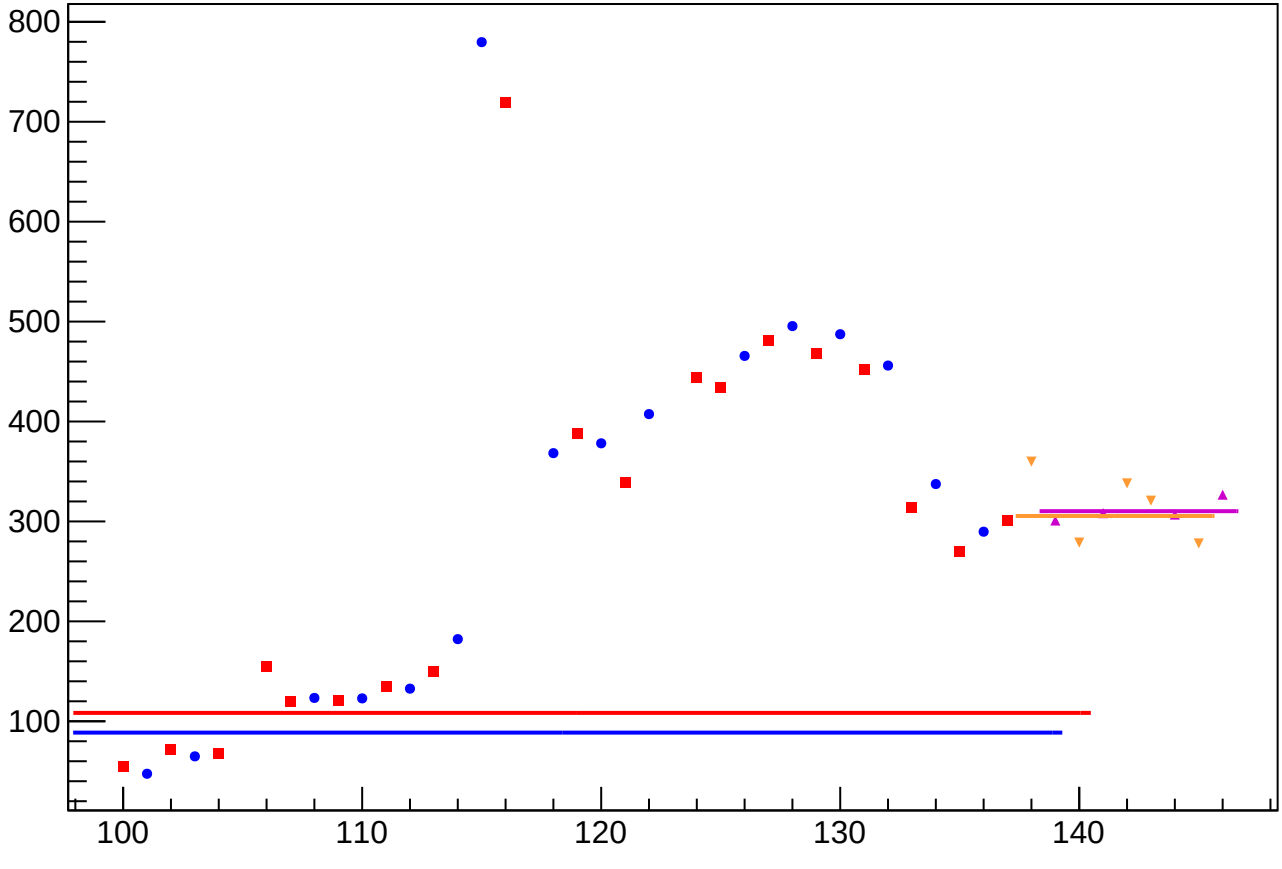
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 87.411+/-44.770 χ^2/NDF:20.3/19

Out: -41.383+/-47.985 χ^2/NDF:21.9/23

All: 27.473+/-32.735 χ^2/NDF: 46.0/43

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: 305.447+/-0.113 χ^2/NDF:78375.2/4

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 310.275+/-0.118 χ^2/NDF:6372.5/3

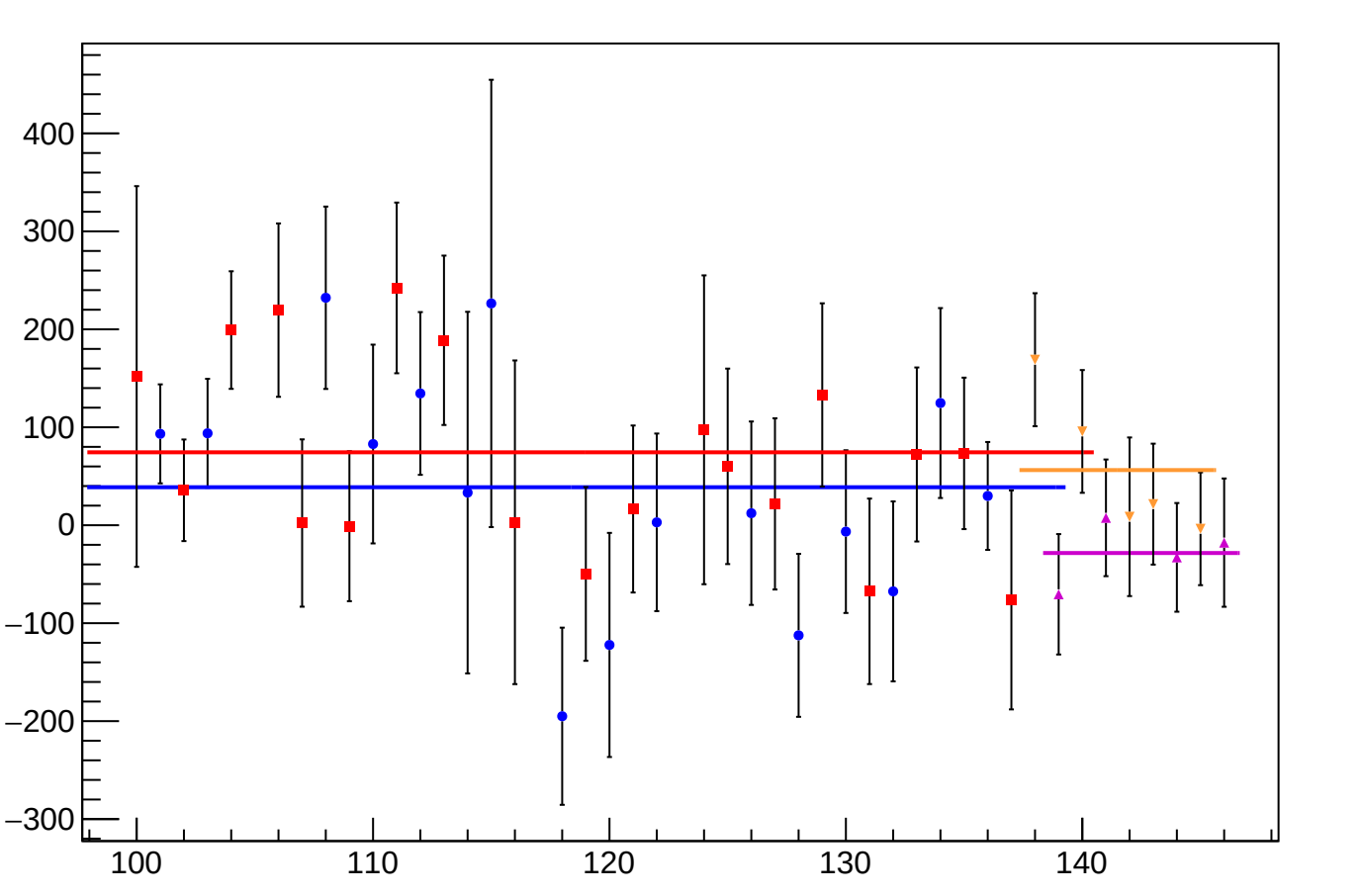
Left: 307.767+/-0.082 χ^2/NDF: 85619.8/8

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 104.653+/-0.032 χ^2/NDF:9936361.7/19

Out: 126.047+/-0.034 χ^2/NDF:8193361.3/23

All: 114.609+/-0.023 χ^2/NDF: 18342253.6/43



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 56.298+/-29.009 χ^2/NDF:4.9/4

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -28.369+/-30.086 χ^2/NDF:0.9/3

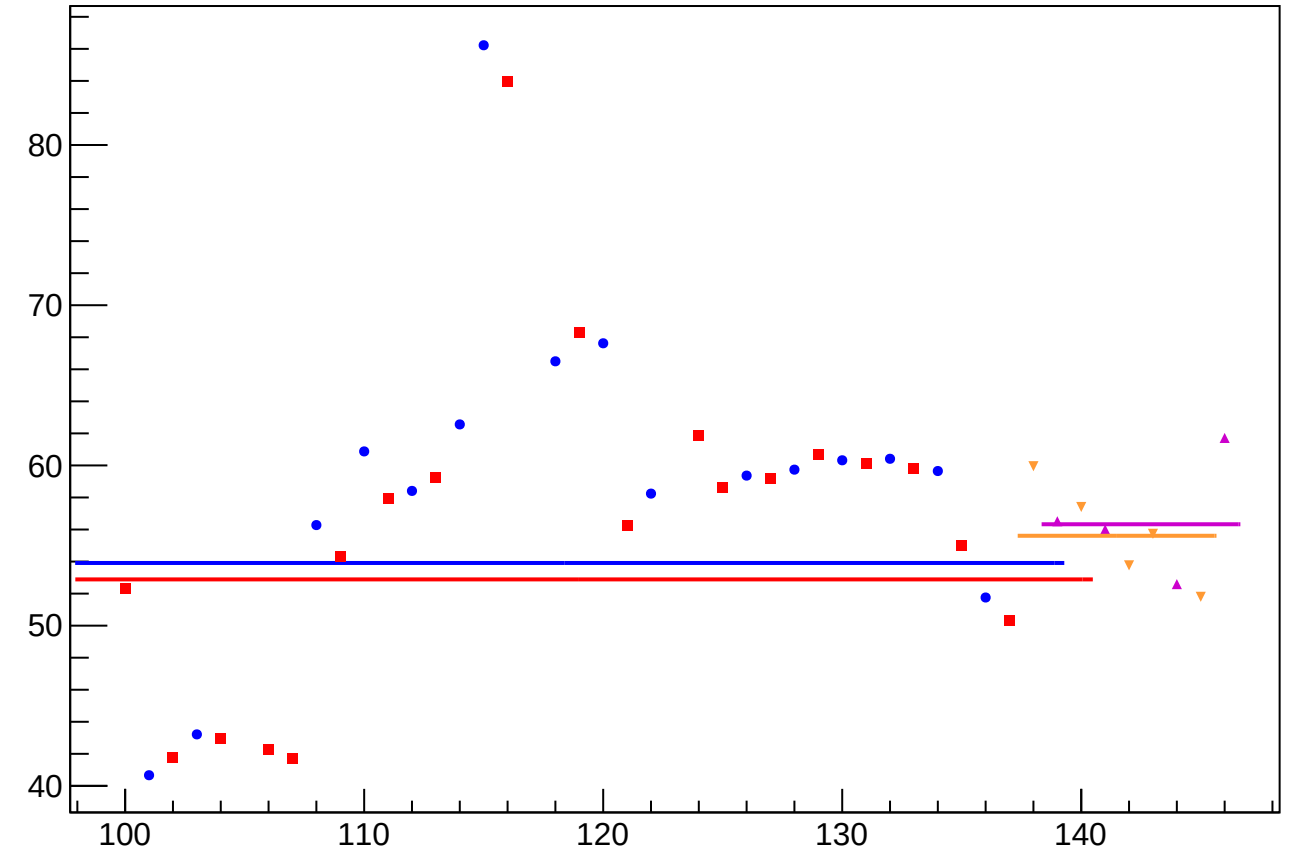
Left: 15.508+/-20.883 χ^2/NDF: 9.9/8

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 17.622+/-16.892 χ^2/NDF:27.6/19

Out: 68.674+/-16.355 χ^2/NDF:27.5/23

All: 43.972+/-11.750 χ^2/NDF: 59.8/43



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 55.610+/-0.021 χ^2/NDF:19625.3/4

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

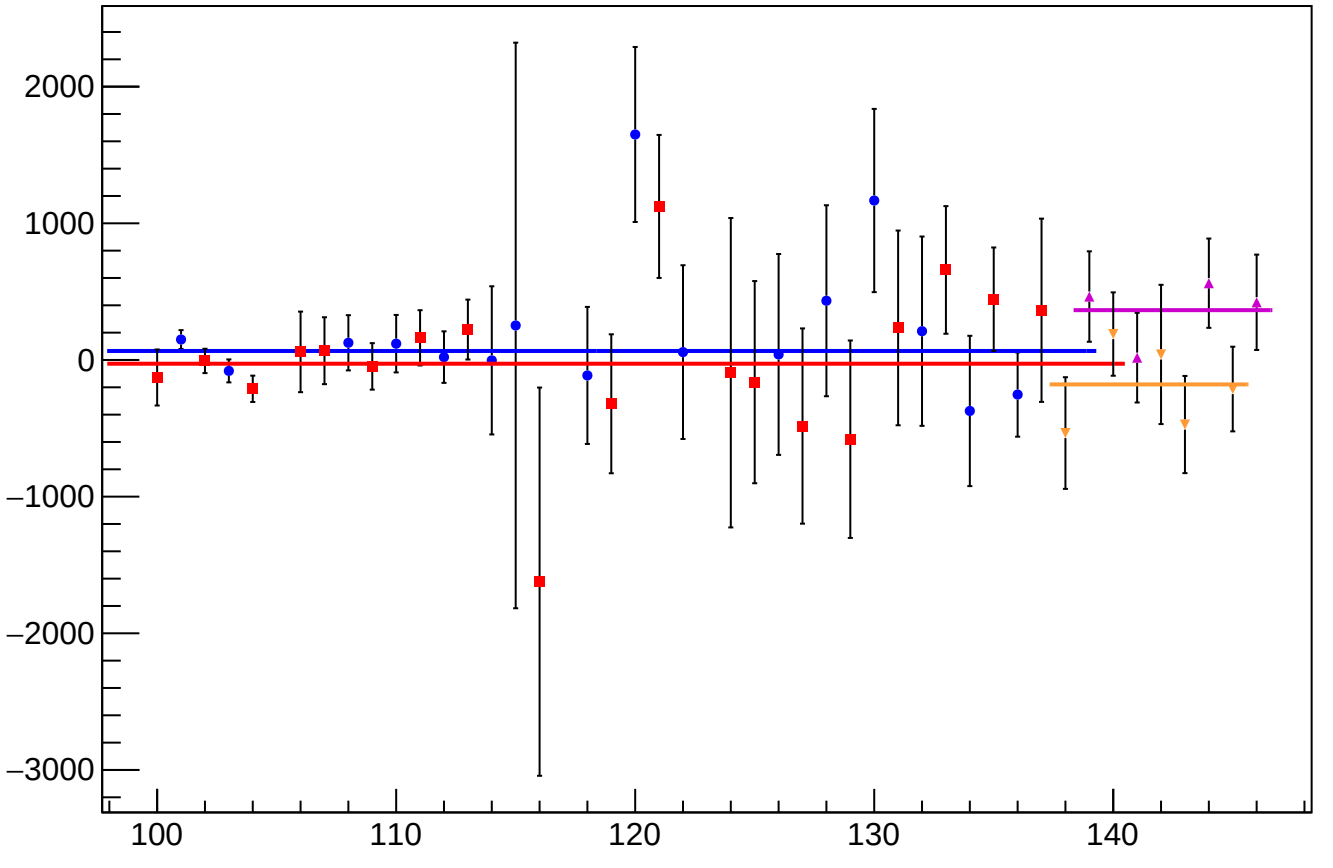
Left: 55.956+/-0.015 χ^2/NDF: 42902.1/8

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 54.674+/-0.012 χ^2/NDF:424781.2/19

Out: 53.752+/-0.012 χ^2/NDF:457181.8/23

All: 54.198+/-0.008 χ^2/NDF: 885036.0/43



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -178.846+/-160.285 χ^2/NDF:3.1/4

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 364.542+/-166.643 χ^2/NDF:1.6/3

Left: 82.284+/-115.521 χ^2/NDF: 10.2/8

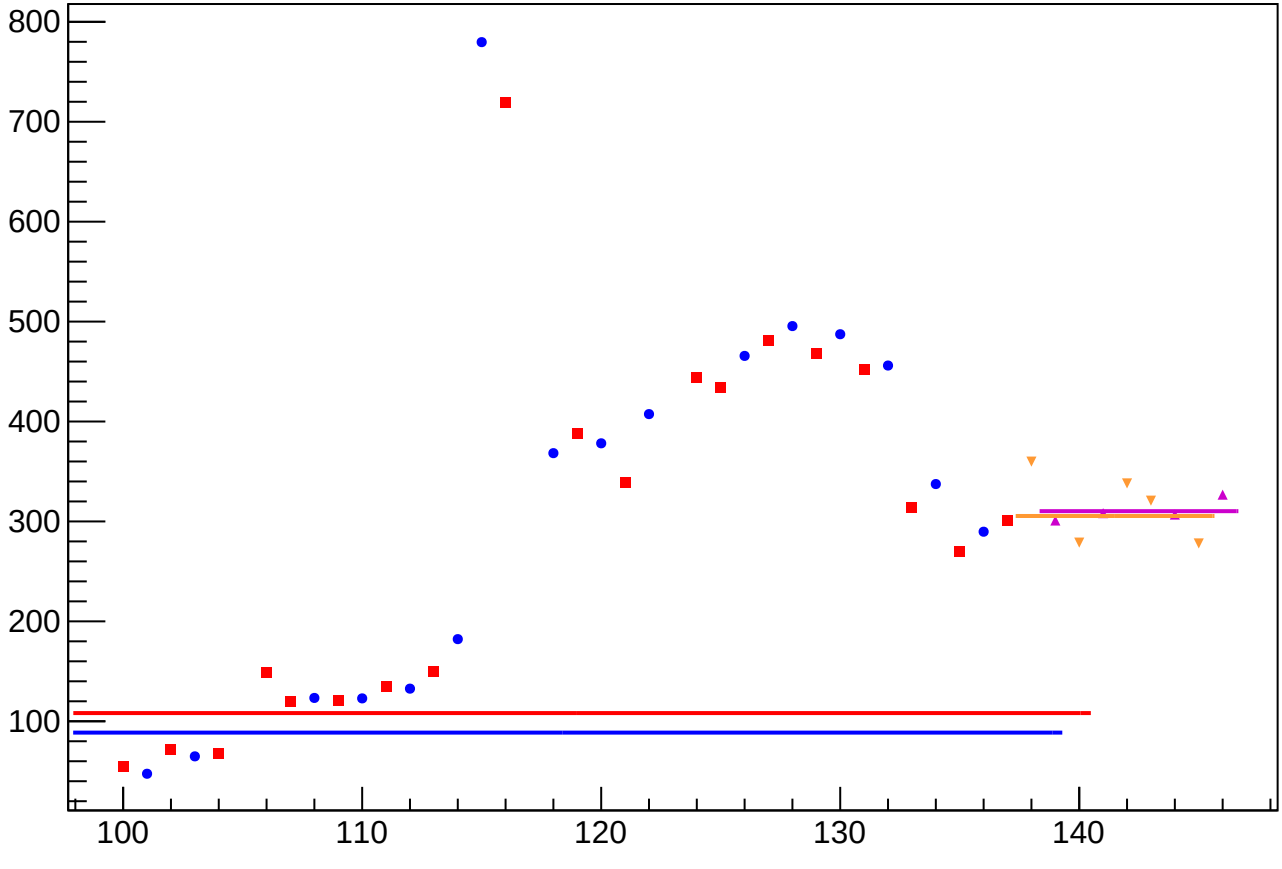
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 87.414+/-44.769 χ^2/NDF:20.3/19

Out: -40.957+/-47.948 χ^2/NDF:21.9/23

All: 27.624+/-32.722 χ^2/NDF: 46.0/43

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: 305.447+/-0.113 χ^2/NDF:78376.2/4

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 310.275+/-0.118 χ^2/NDF:6372.6/3

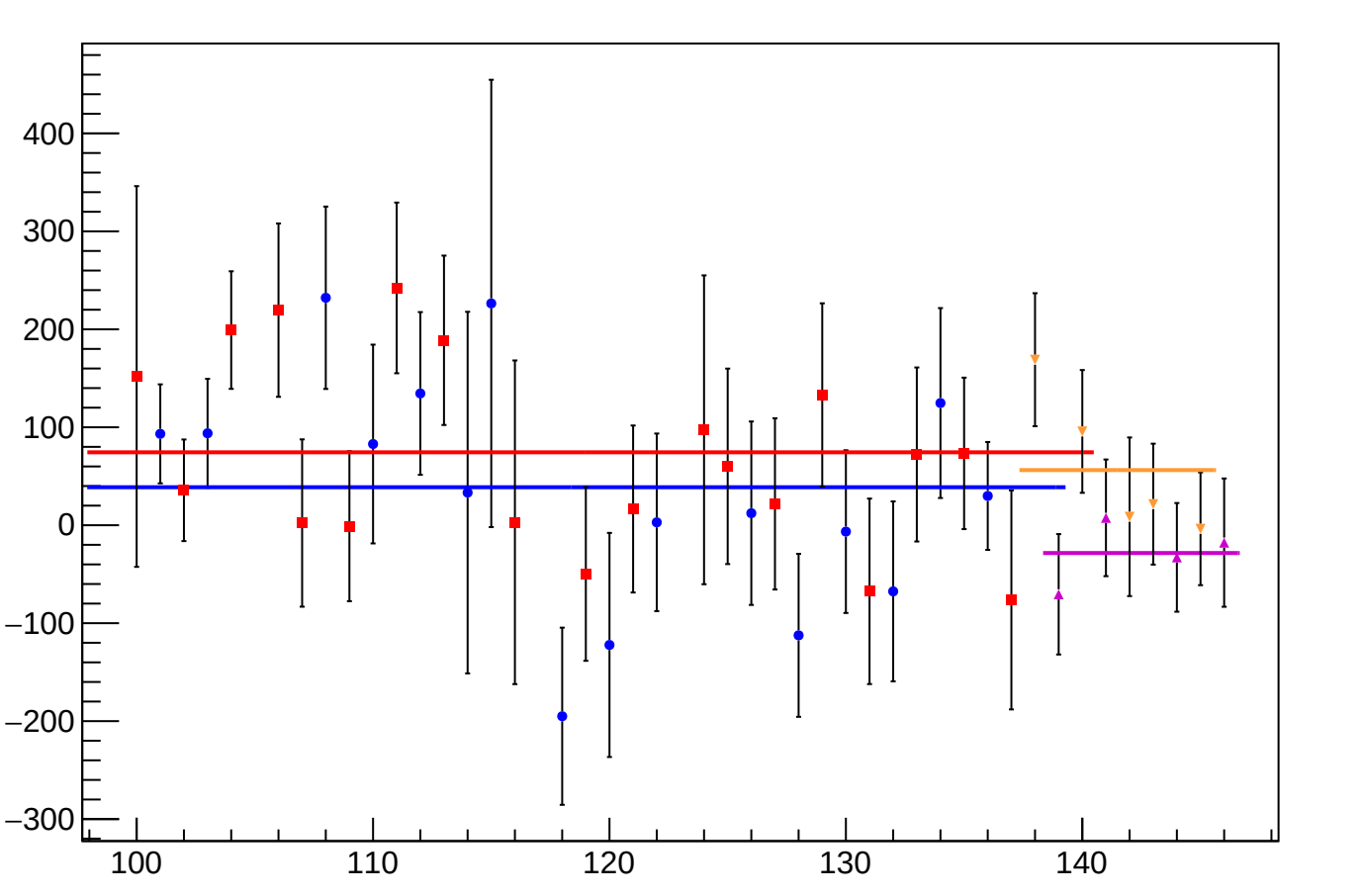
Left: 307.767+/-0.082 χ^2/NDF: 85620.9/8

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 104.650+/-0.032 χ^2/NDF:9936526.1/19

Out: 125.857+/-0.034 χ^2/NDF:8190794.0/23

All: 114.527+/-0.023 χ^2/NDF: 18336329.8/43



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 56.298+/-29.009 χ^2/NDF:4.9/4

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -28.369+/-30.086 χ^2/NDF:0.9/3

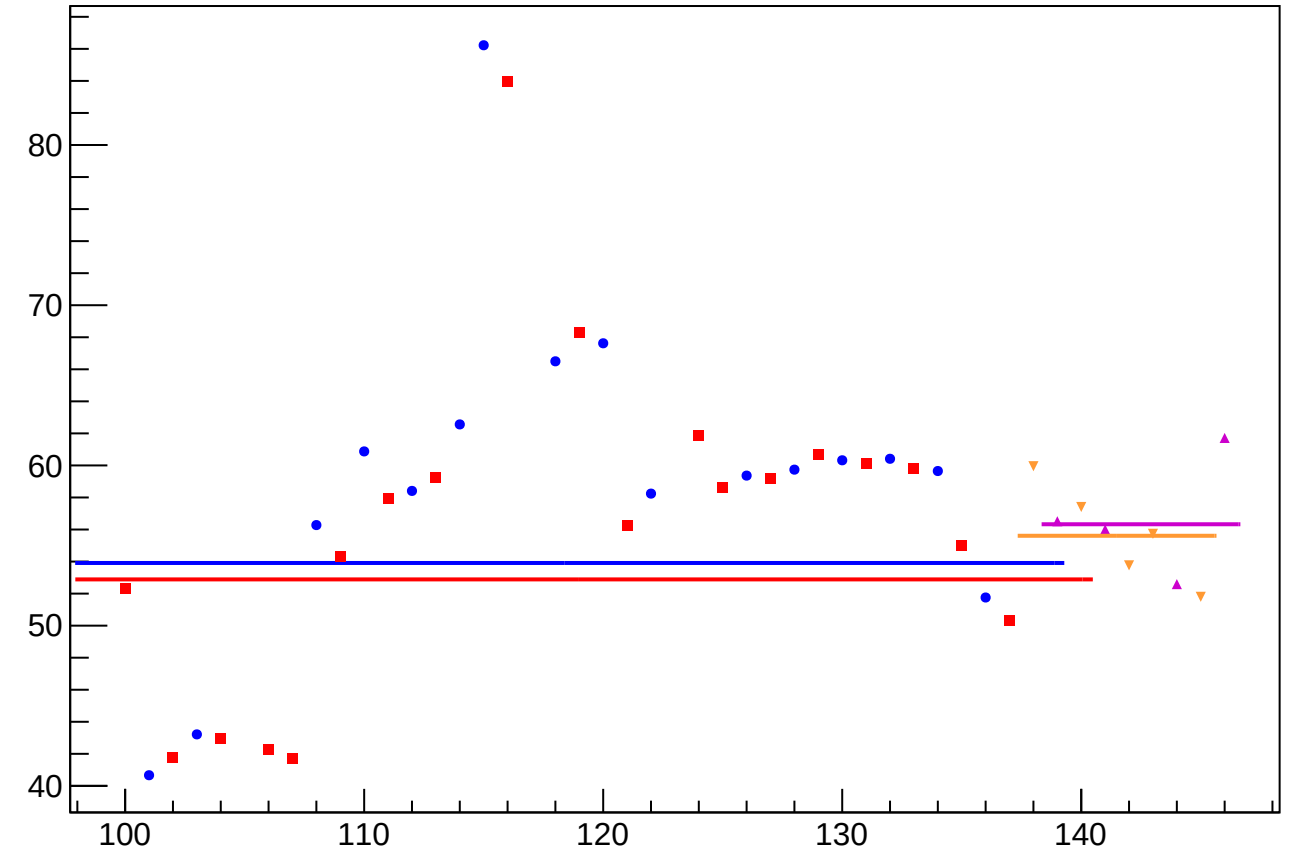
Left: 15.508+/-20.883 χ^2/NDF: 9.9/8

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 17.622+/-16.892 χ^2/NDF:27.6/19

Out: 68.674+/-16.355 χ^2/NDF:27.5/23

All: 43.972+/-11.750 χ^2/NDF: 59.8/43



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 55.610+/-0.021 χ^2/NDF:19625.3/4

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

Left: 55.956+/-0.015 χ^2/NDF: 42902.1/8

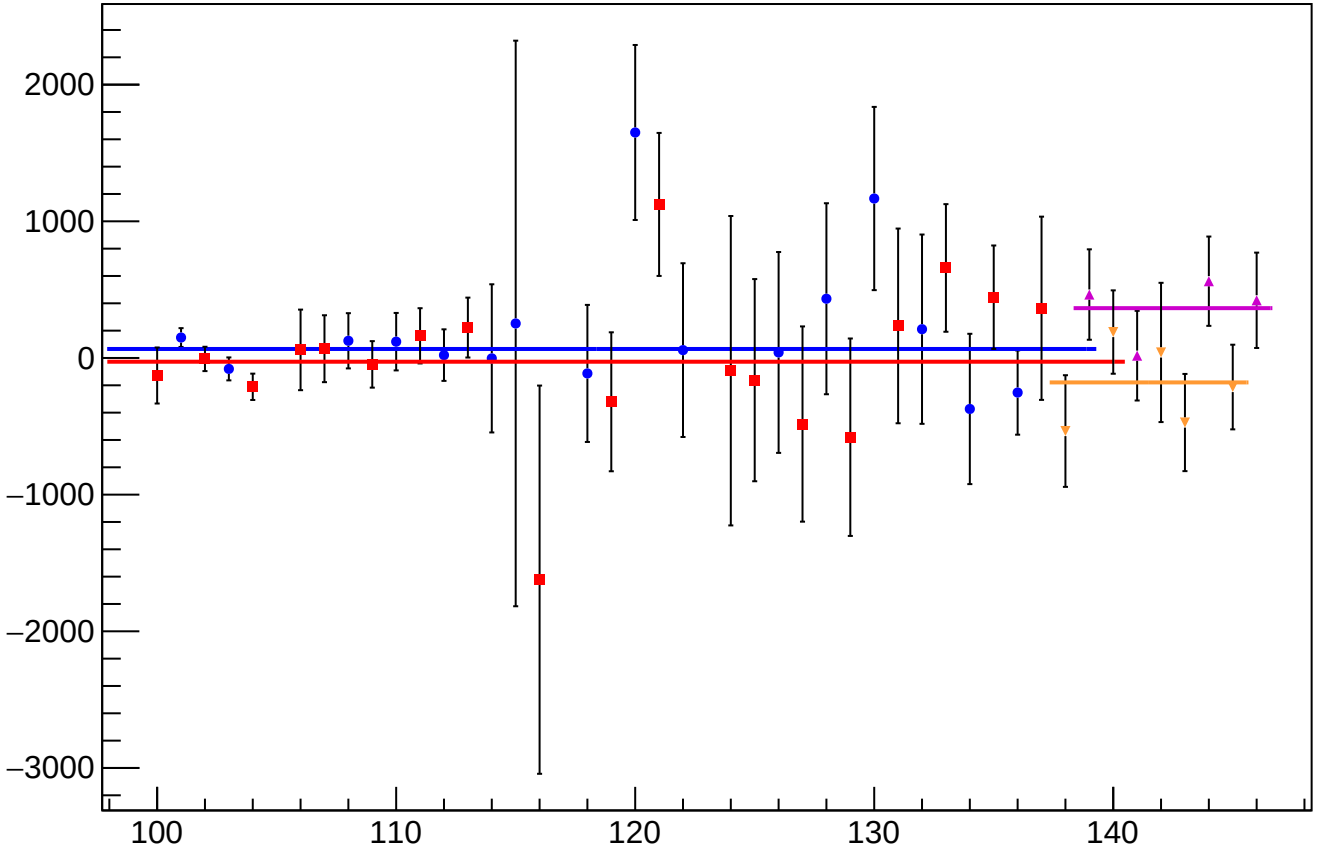
Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 54.674+/-0.012 χ^2/NDF:424781.2/19

Out: 53.752+/-0.012 χ^2/NDF:457181.8/23

All: 54.198+/-0.008 χ^2/NDF: 885036.0/43

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: -178.846+/-160.285 χ^2/NDF:3.1/4

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 364.542+/-166.643 χ^2/NDF:1.6/3

Left: 82.284+/-115.521 χ^2/NDF: 10.2/8

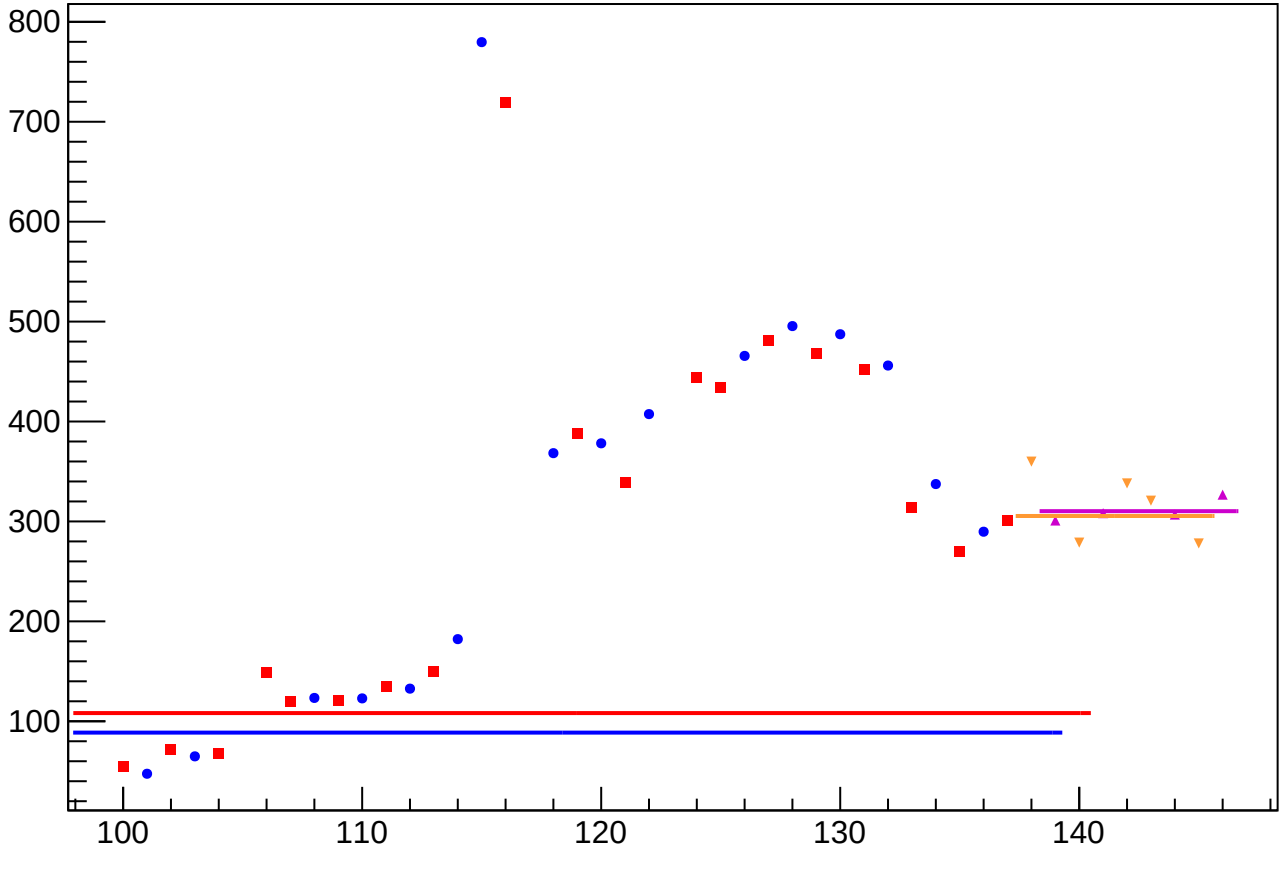
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 87.414+/-44.769 χ^2/NDF:20.3/19

Out: -40.957+/-47.948 χ^2/NDF:21.9/23

All: 27.624+/-32.722 χ^2/NDF: 46.0/43

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: 305.447+/-0.113 χ^2/NDF:78376.2/4

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 310.275+/-0.118 χ^2/NDF:6372.6/3

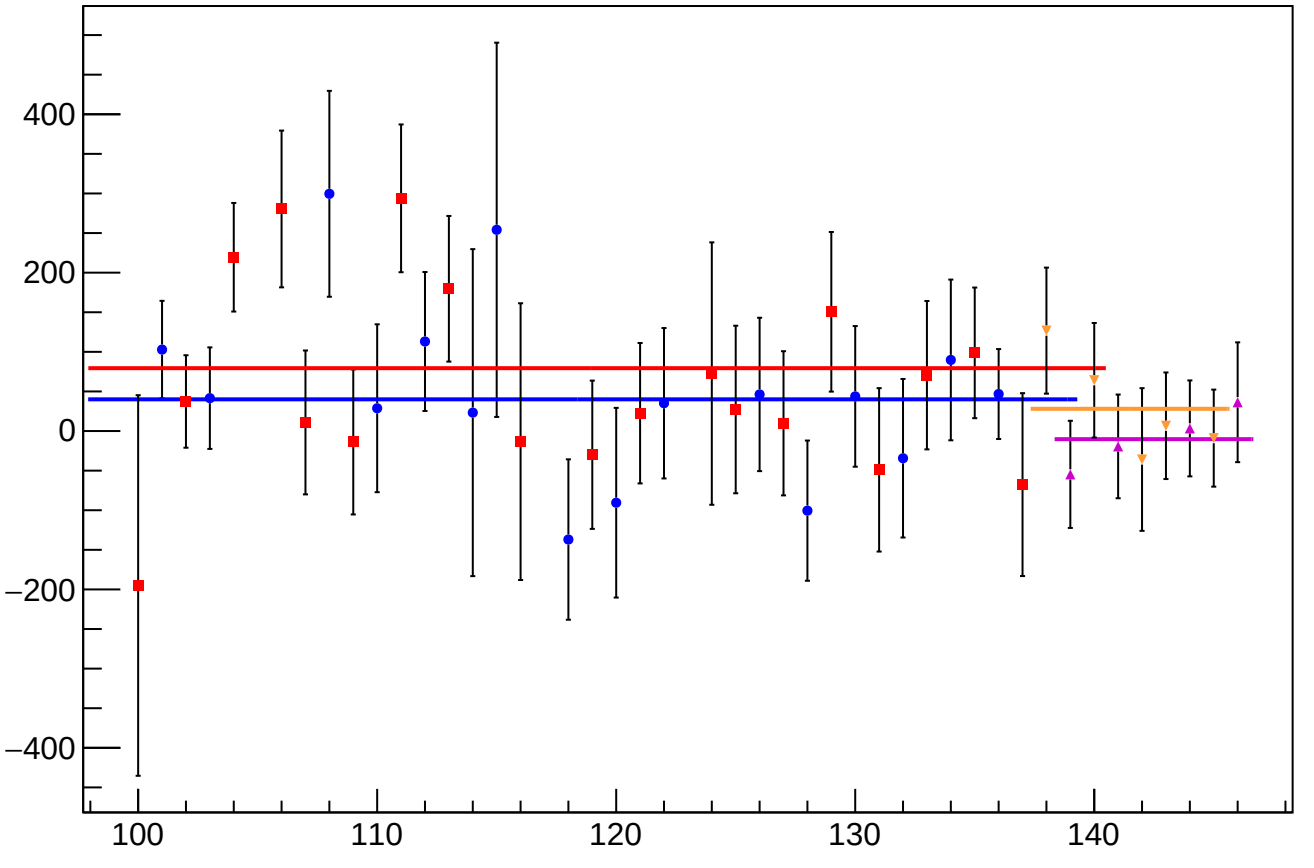
Left: 307.767+/-0.082 χ^2/NDF: 85620.9/8

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 104.650+/-0.032 χ^2/NDF:9936526.1/19

Out: 125.857+/-0.034 χ^2/NDF:8190794.0/23

All: 114.527+/-0.023 χ^2/NDF: 18336329.8/43



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 28.072+/-32.281 χ^2/NDF:2.8/4

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -10.258+/-33.348 χ^2/NDF:0.9/3

Left: 9.530+/-23.194 χ^2/NDF: 4.3/8

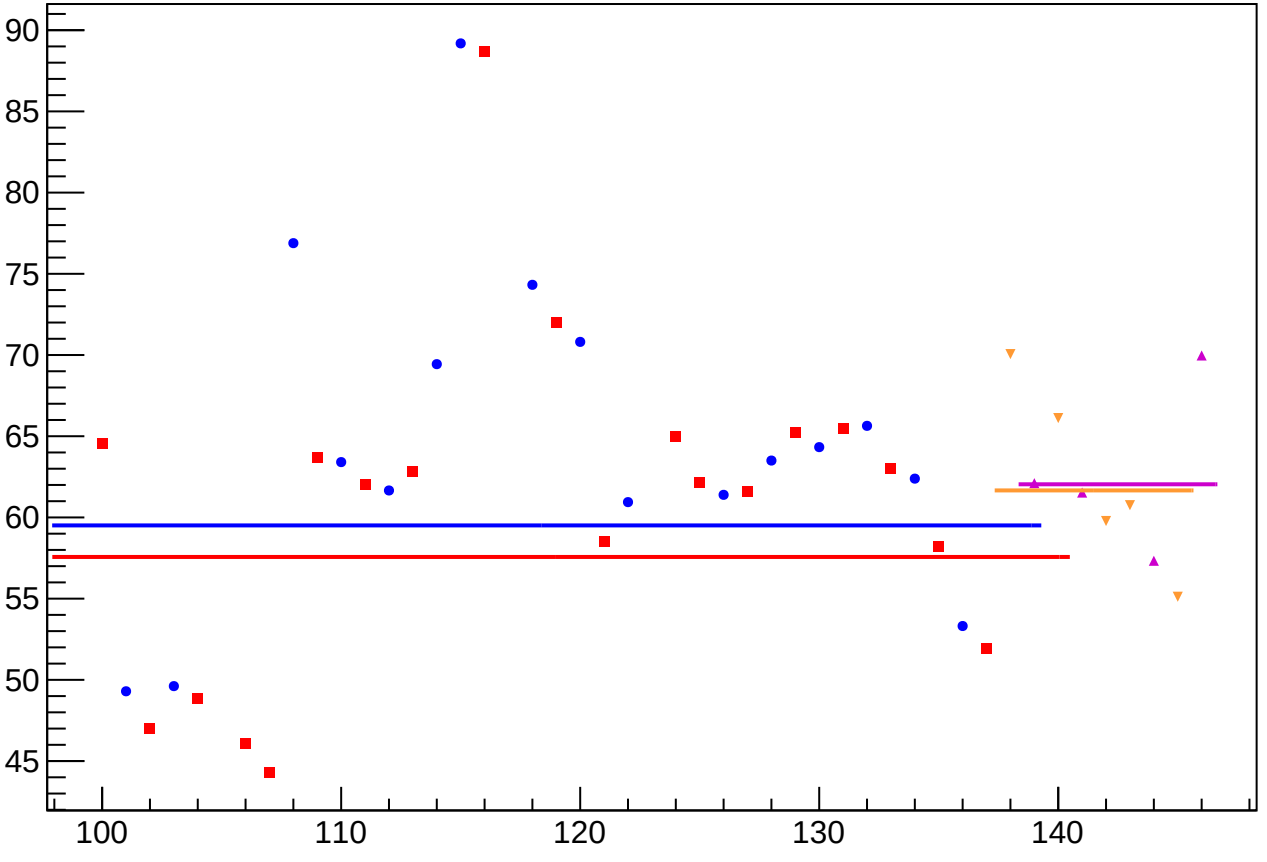
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 24.285+/-18.660 χ^2/NDF:16.6/19

Out: 63.535+/-17.939 χ^2/NDF:29.3/23

All: 44.683+/-12.932 χ^2/NDF: 48.2/43

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 61.664+/-0.023 χ^2/NDF:53914.4/4

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 62.041+/-0.024 χ^2/NDF:34192.0/3

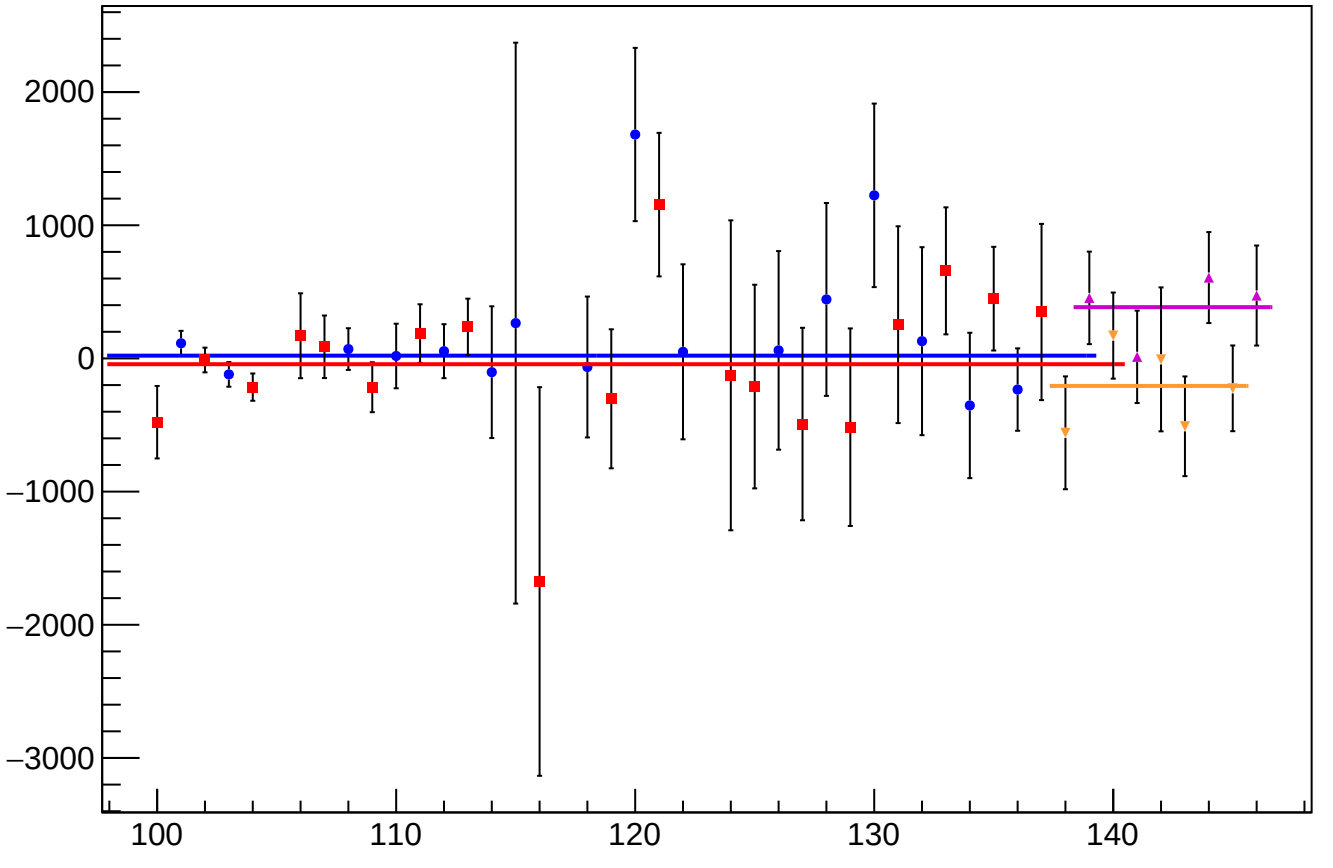
Left: 61.846+/-0.016 χ^2/NDF: 88238.6/8

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 60.302+/-0.013 χ^2/NDF:325305.3/19

Out: 58.832+/-0.013 χ^2/NDF:423556.3/23

All: 59.538+/-0.009 χ^2/NDF: 755308.9/43



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -206.453+/-168.195 χ^2/NDF:2.9/4

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 385.023+/-176.109 χ^2/NDF:1.7/3

Left: 75.696+/-121.634 χ^2/NDF: 10.4/8

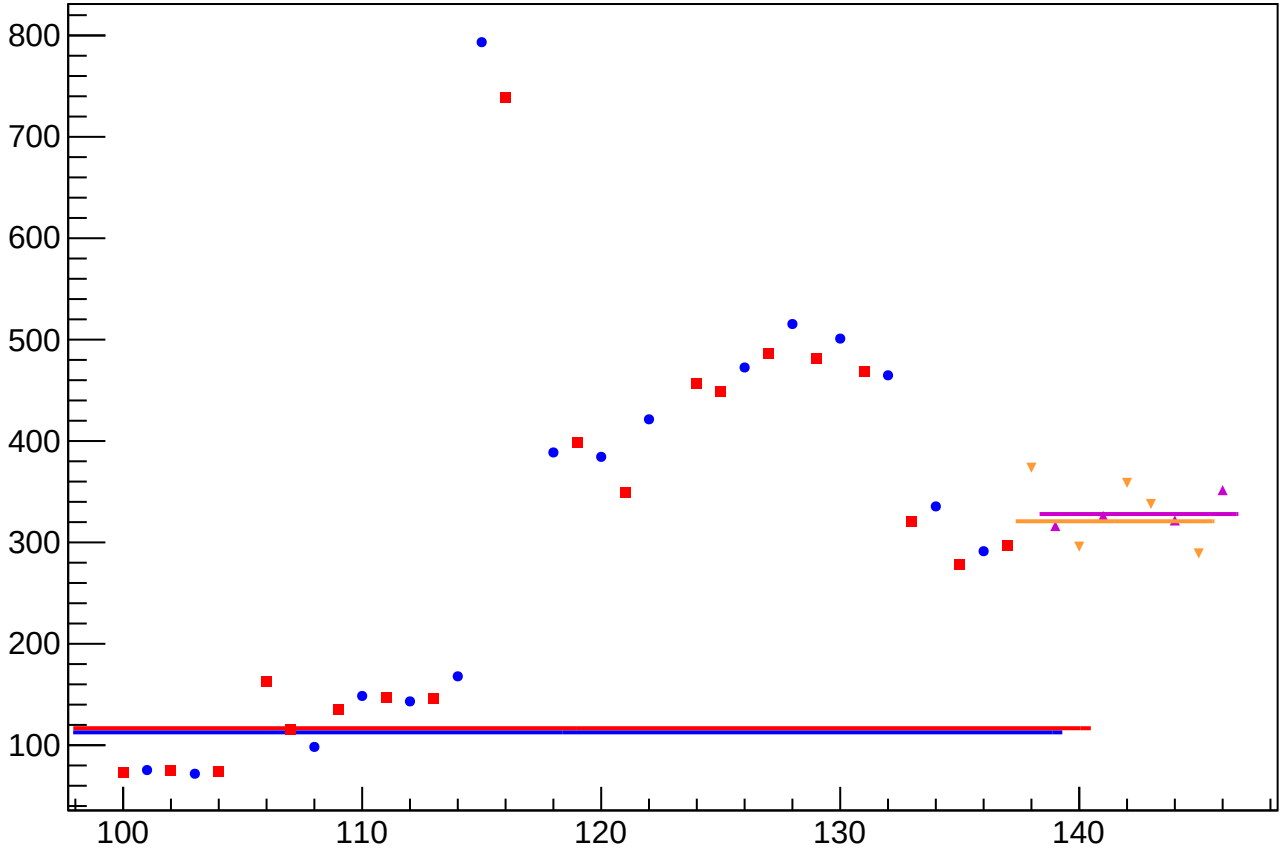
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 51.700+/-51.265 χ^2/NDF:20.2/19

Out: -58.109+/-50.732 χ^2/NDF:25.2/23

All: -3.778+/-36.060 χ^2/NDF: 47.7/43

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 320.848+/-0.119 χ^2/NDF:76426.8/4

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 327.980+/-0.125 χ^2/NDF:10906.8/3

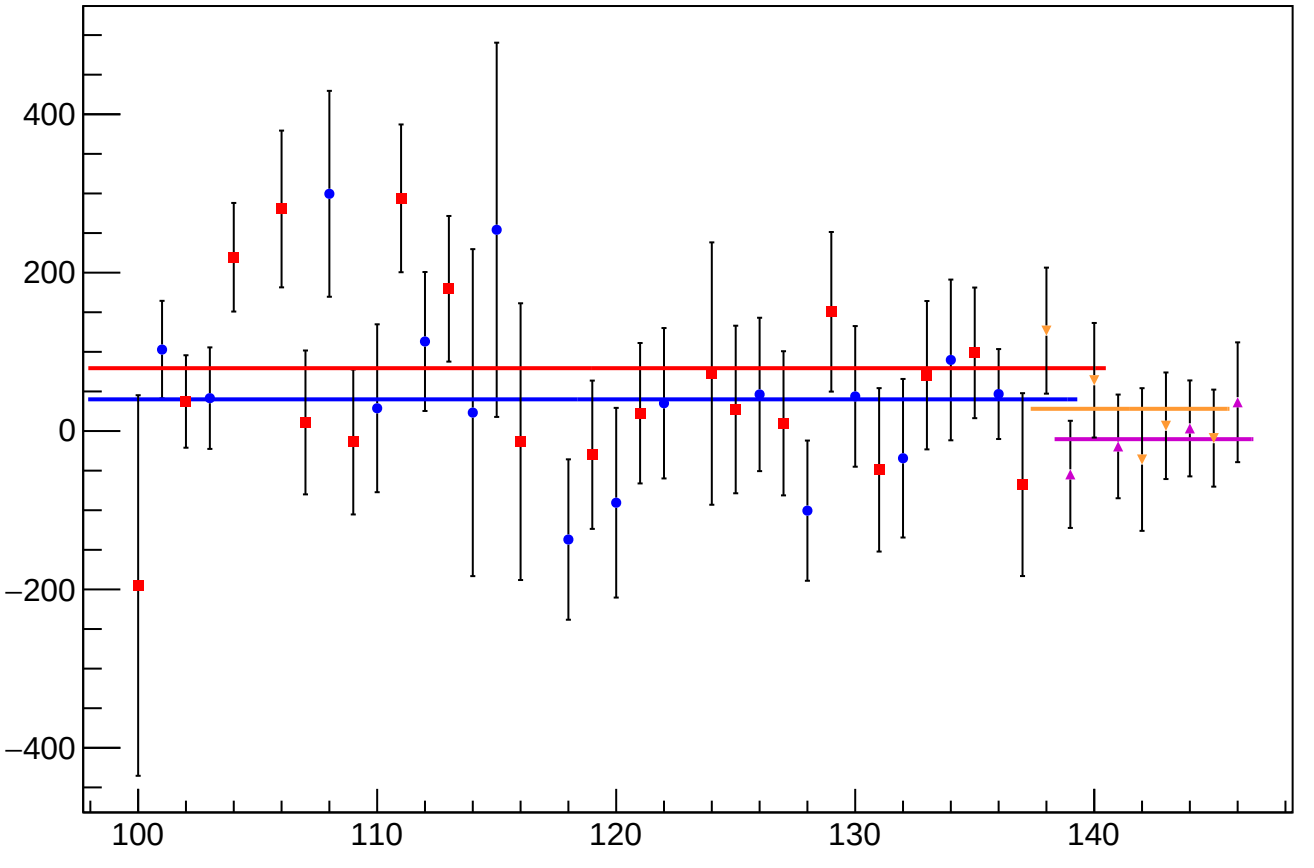
Left: 324.250+/-0.086 χ^2/NDF: 89048.6/8

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 130.913+/-0.036 χ^2/NDF:8346747.7/19

Out: 135.303+/-0.036 χ^2/NDF:7895320.8/23

All: 133.131+/-0.025 χ^2/NDF: 16249478.1/43



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 28.072+/-32.281 χ^2/NDF:2.8/4

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -10.257+/-33.348 χ^2/NDF:0.9/3

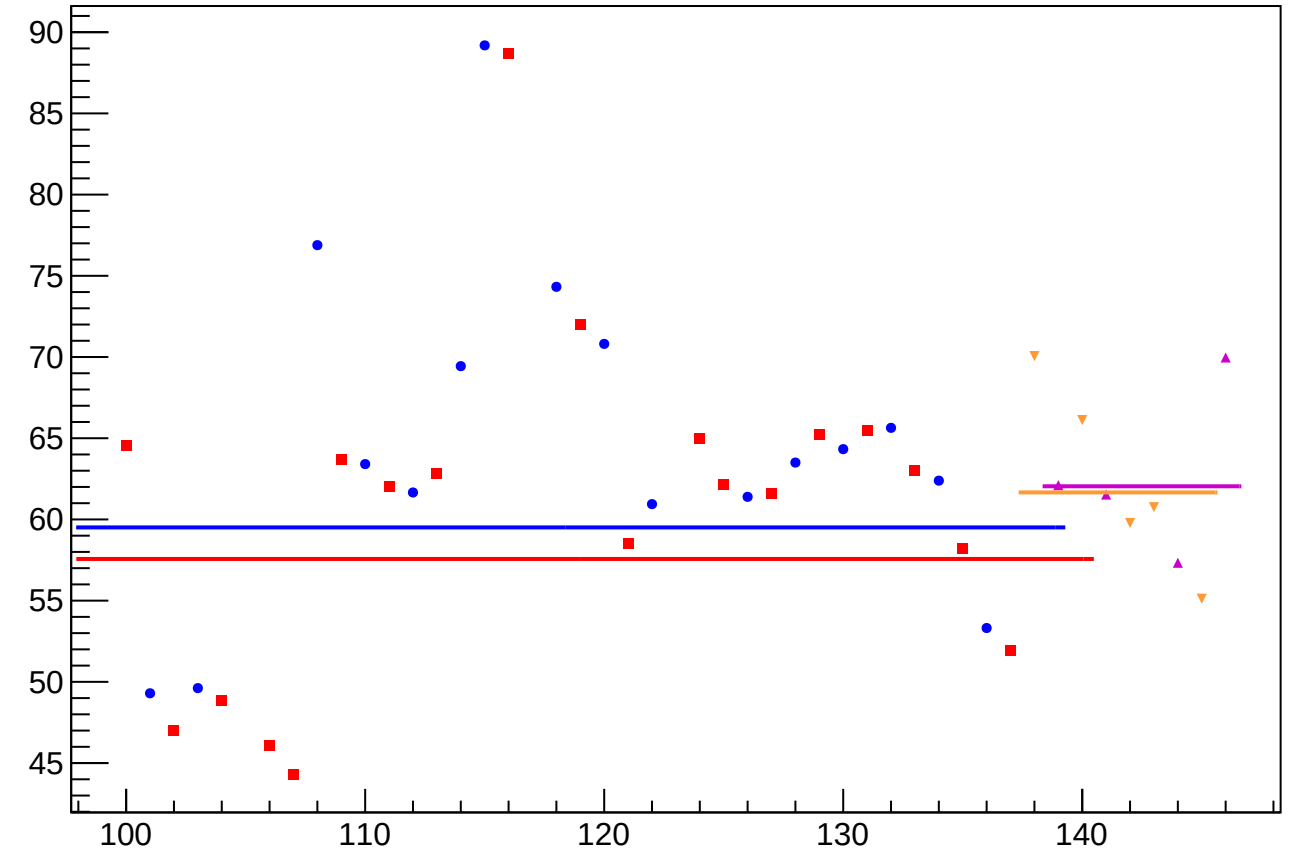
Left: 9.531+/-23.194 χ^2/NDF: 4.3/8

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 24.285+/-18.660 χ^2/NDF:16.6/19

Out: 63.534+/-17.939 χ^2/NDF:29.3/23

All: 44.683+/-12.932 χ^2/NDF: 48.2/43



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 61.664+/-0.023 χ^2/NDF:53917.3/4

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 62.041+/-0.024 χ^2/NDF:34193.3/3

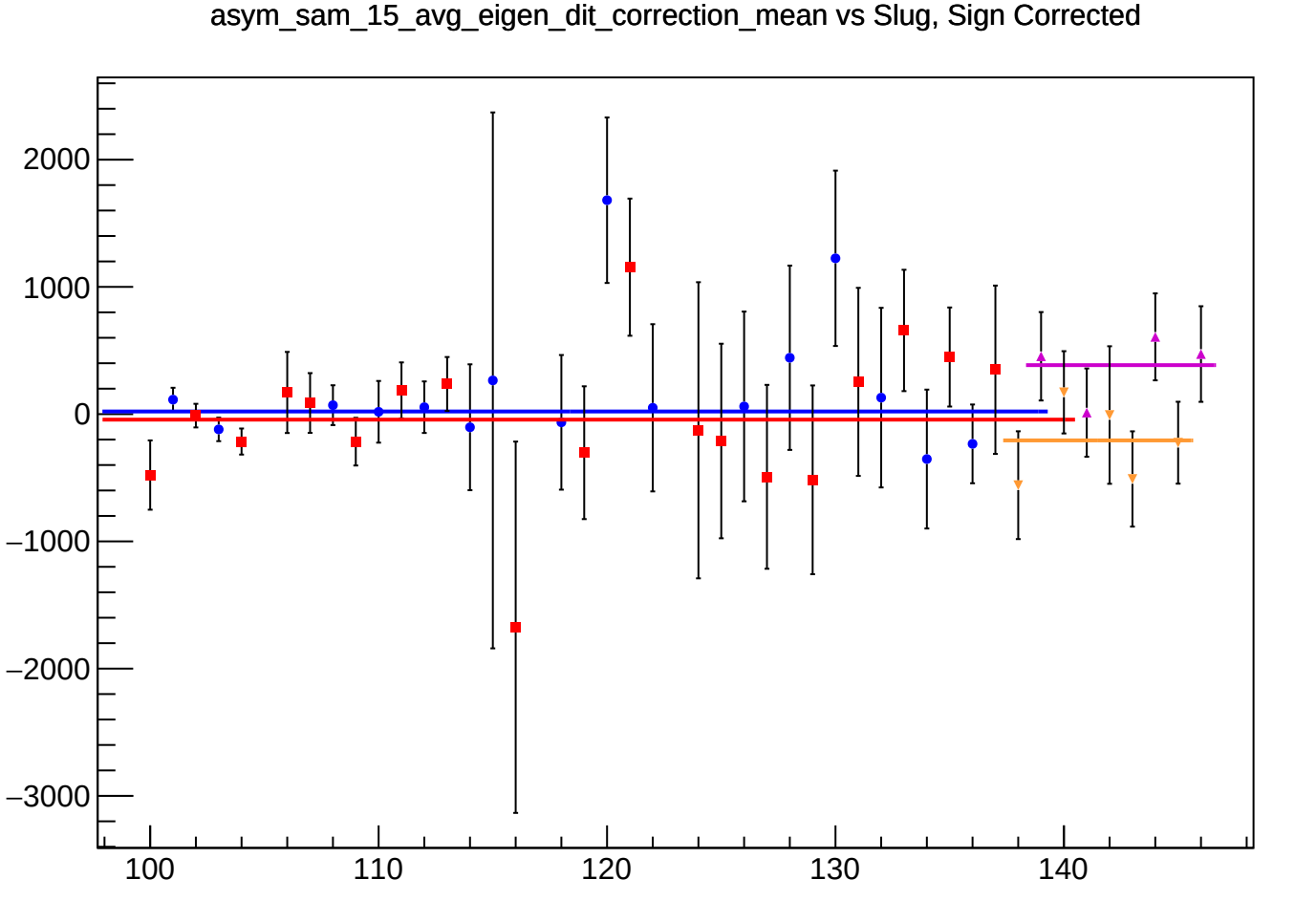
Left: 61.846+/-0.016 χ^2/NDF: 88242.9/8

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 60.302+/-0.013 χ^2/NDF:325307.0/19

Out: 58.832+/-0.013 χ^2/NDF:423558.3/23

All: 59.538+/-0.009 χ^2/NDF: 755313.0/43



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -206.454+/-168.195 χ^2/NDF:2.9/4

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 385.025+/-176.110 χ^2/NDF:1.7/3

Left: 75.697+/-121.634 χ^2/NDF: 10.4/8

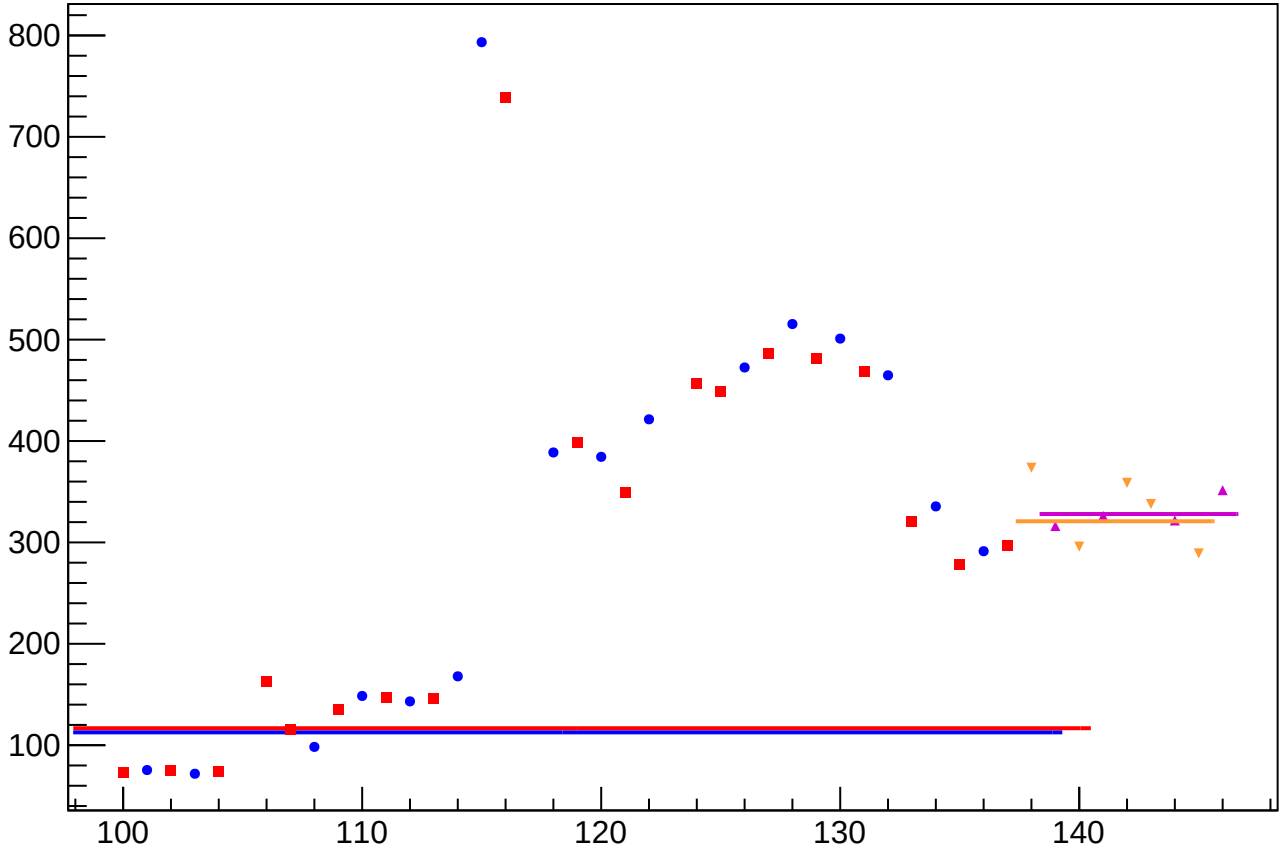
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 51.699+/-51.265 χ^2/NDF:20.2/19

Out: -58.109+/-50.732 χ^2/NDF:25.2/23

All: -3.778+/-36.060 χ^2/NDF: 47.7/43

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: 320.849+/-0.119 χ^2/NDF:76427.1/4

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 327.981+/-0.125 χ^2/NDF:10907.0/3

Left: 324.251+/-0.086 χ^2/NDF: 89049.2/8

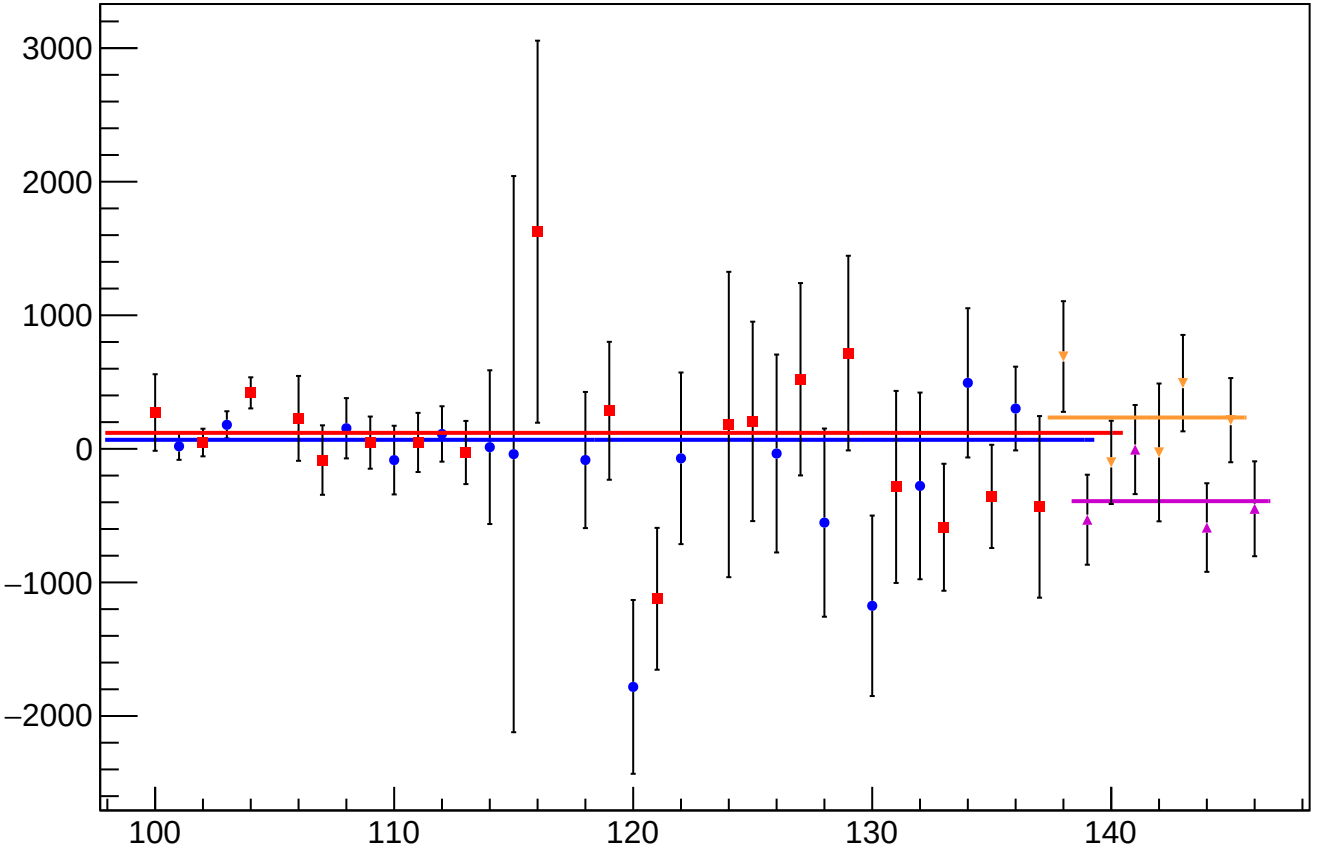
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 130.913+/-0.036 χ^2/NDF:8346762.4/19

Out: 135.302+/-0.036 χ^2/NDF:7895342.0/23

All: 133.130+/-0.025 χ^2/NDF: 16249513.6/43

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 234.542+/-163.026 χ^2/NDF:3.1/4

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -391.523+/-169.488 χ^2/NDF:1.9/3

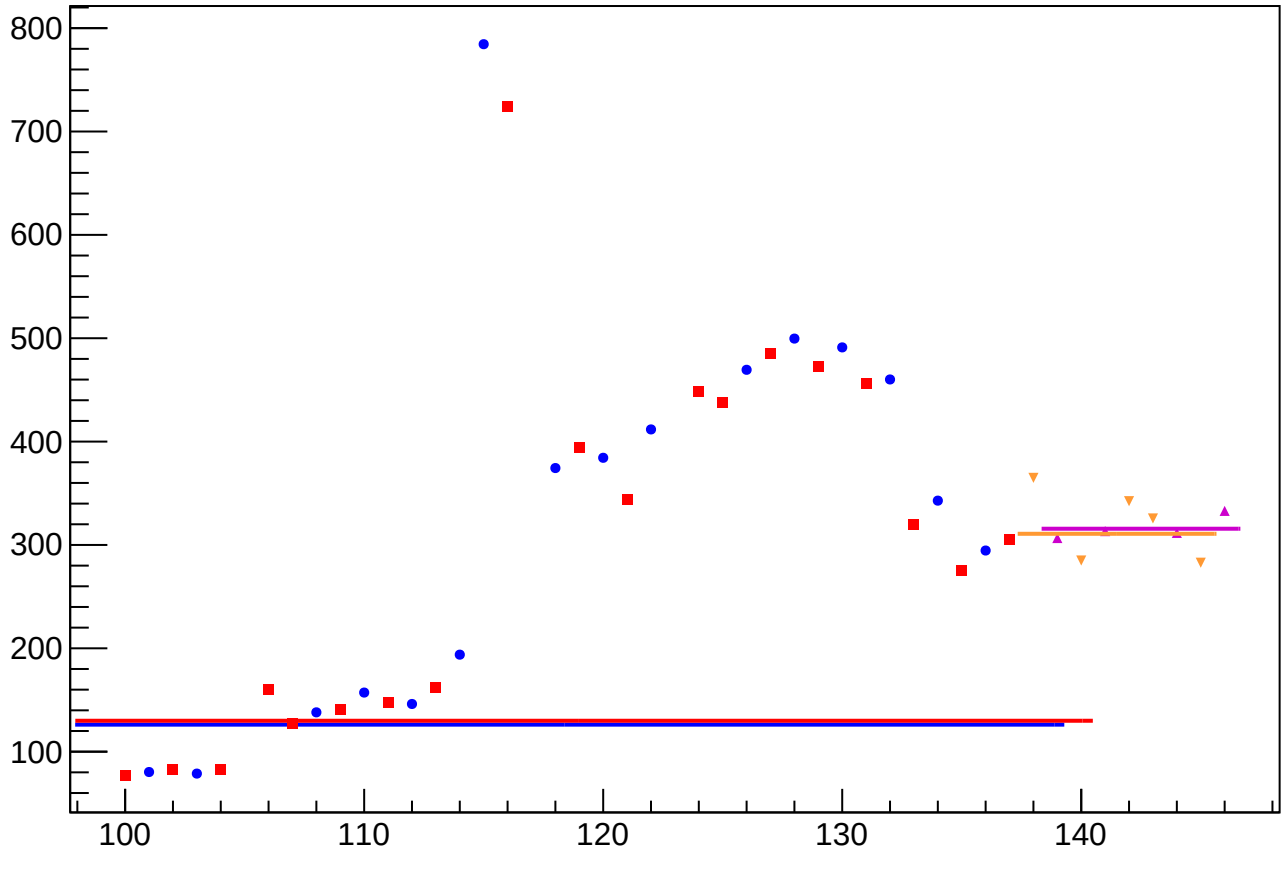
Left: -66.328+/-117.495 χ^2/NDF: 12.1/8

Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 17.742+/-55.863 χ^2/NDF:24.2/19

Out: 132.522+/-54.596 χ^2/NDF:24.7/23

All: 76.449+/-39.045 χ^2/NDF: 51.1/43



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 310.796+/-0.115 χ^2/NDF:74508.9/4

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 315.699+/-0.120 χ^2/NDF:6540.9/3

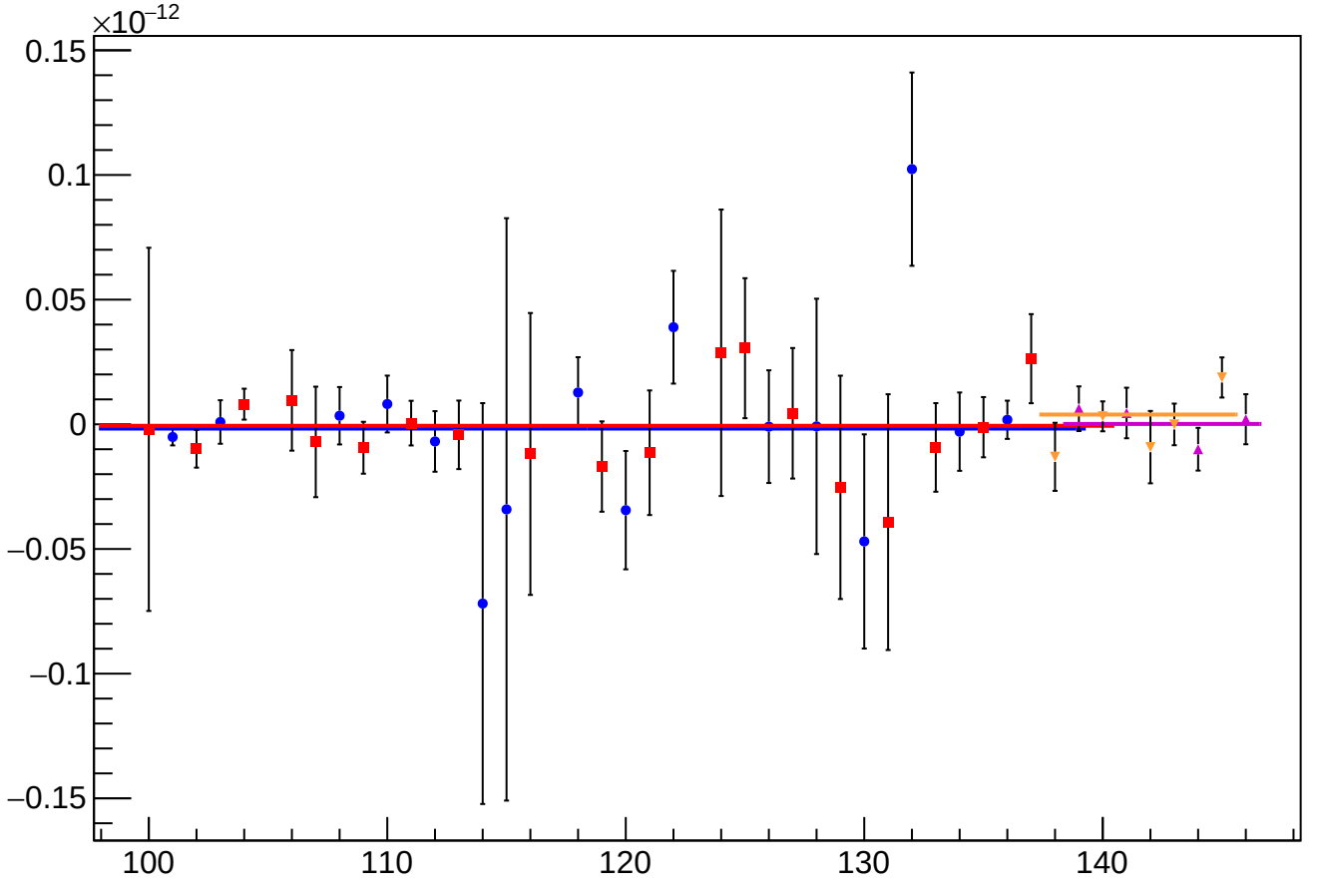
Left: 313.152+/-0.083 χ^2/NDF: 81918.9/8

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 146.745+/-0.040 χ^2/NDF:7456296.6/19

Out: 150.200+/-0.039 χ^2/NDF:6908168.3/23

All: 148.512+/-0.028 χ^2/NDF: 14368379.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/3

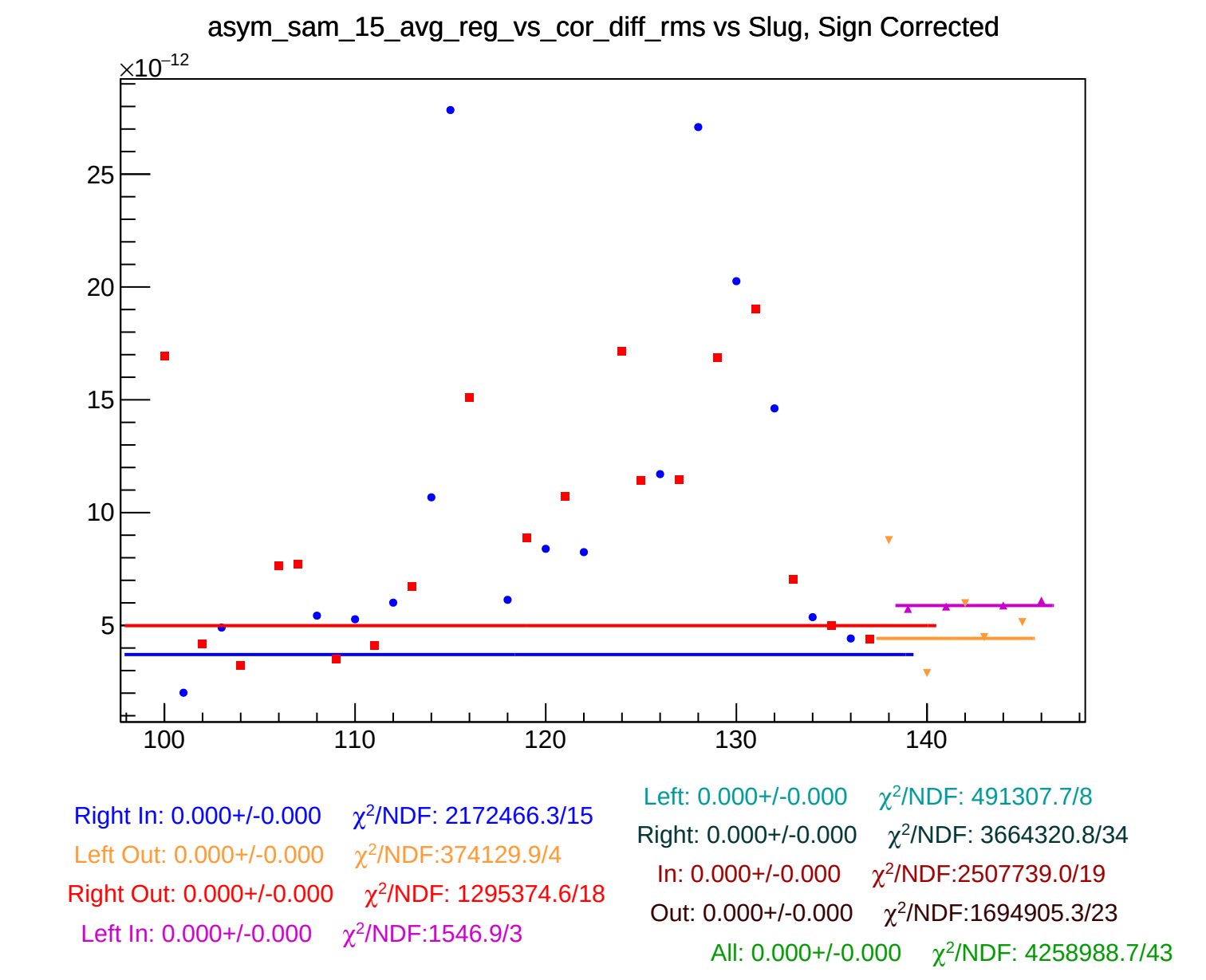
Left: 0.000+/-0.000 χ^2/NDF: 8.5/8

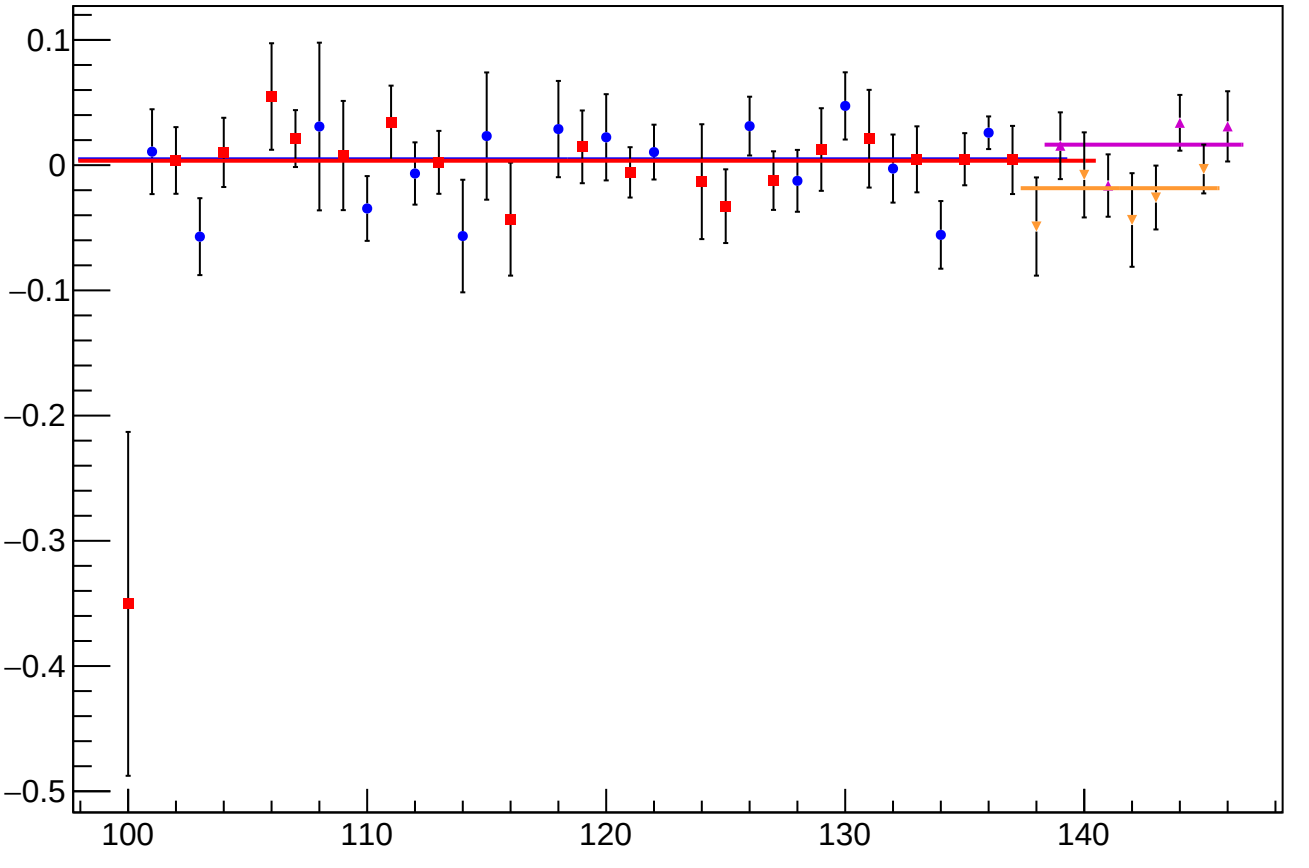
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.0/19

Out: 0.000+/-0.000 χ^2/NDF:17.4/23

All: -0.000+/-0.000 χ^2/NDF: 37.9/43


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:374129.9/4
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1546.9/3
Left: 0.000+/-0.000 χ²/NDF: 491307.7/8
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:2507739.0/19
Out: 0.000+/-0.000 χ²/NDF:1694905.3/23
All: 0.000+/-0.000 χ²/NDF: 4258988.7/43



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.018+/-0.012 χ^2/NDF:1.9/4

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.016+/-0.013 χ^2/NDF:2.6/3

Left: -0.001+/-0.009 χ^2/NDF: 8.3/8

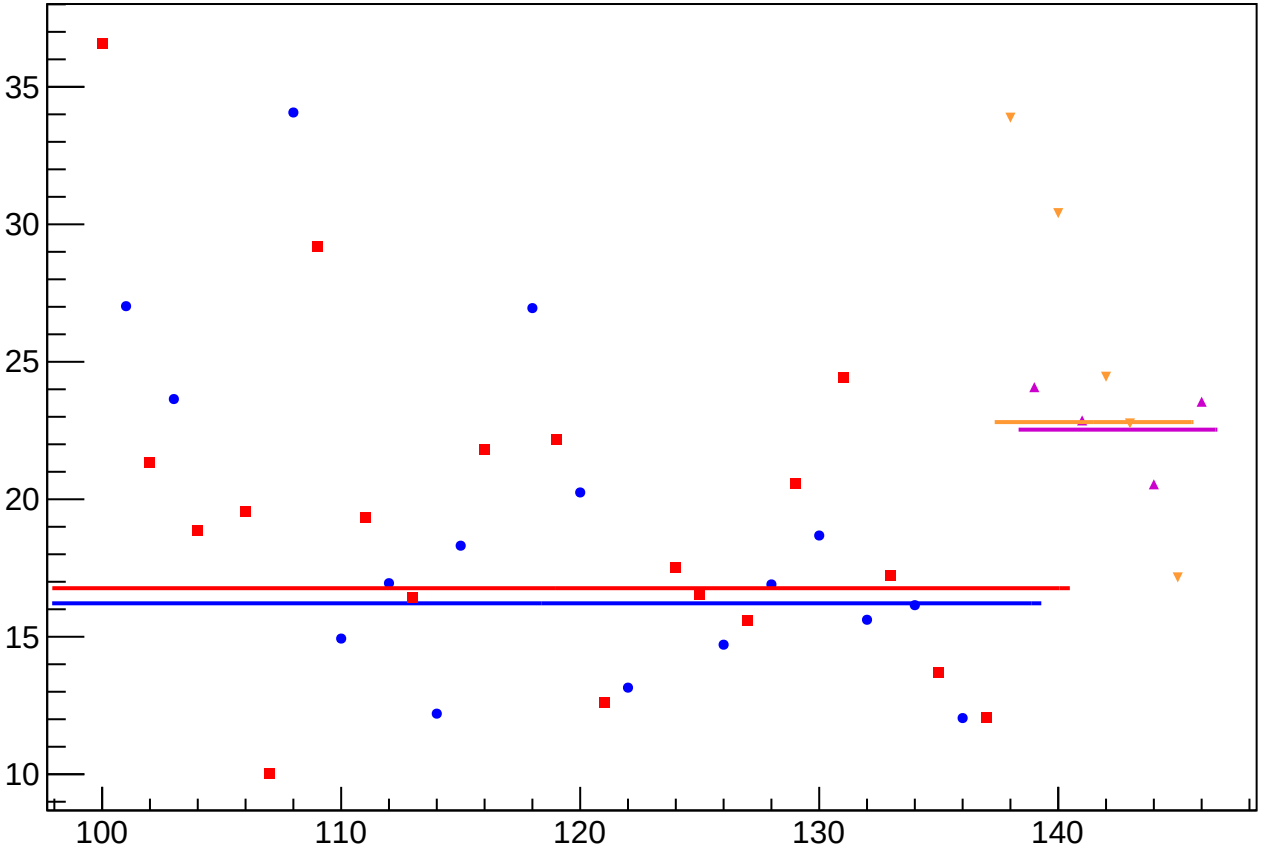
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.007+/-0.006 χ^2/NDF:24.7/19

Out: -0.001+/-0.006 χ^2/NDF:17.9/23

All: 0.003+/-0.004 χ^2/NDF: 43.7/43

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 22.808+/-0.009 χ^2/NDF:431586.6/4

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.533+/-0.009 χ^2/NDF:25645.7/3

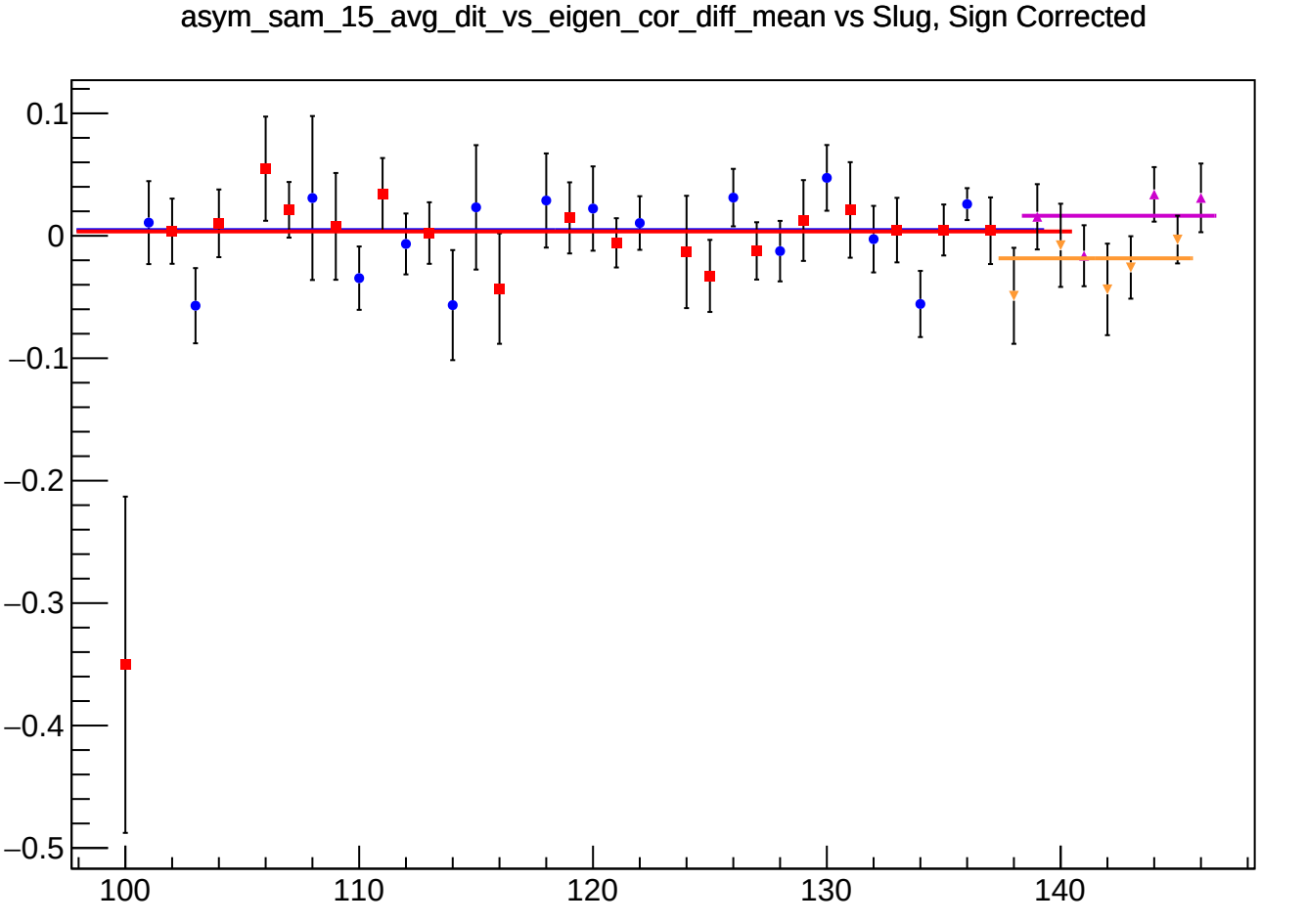
Left: 22.671+/-0.006 χ^2/NDF: 457712.5/8

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

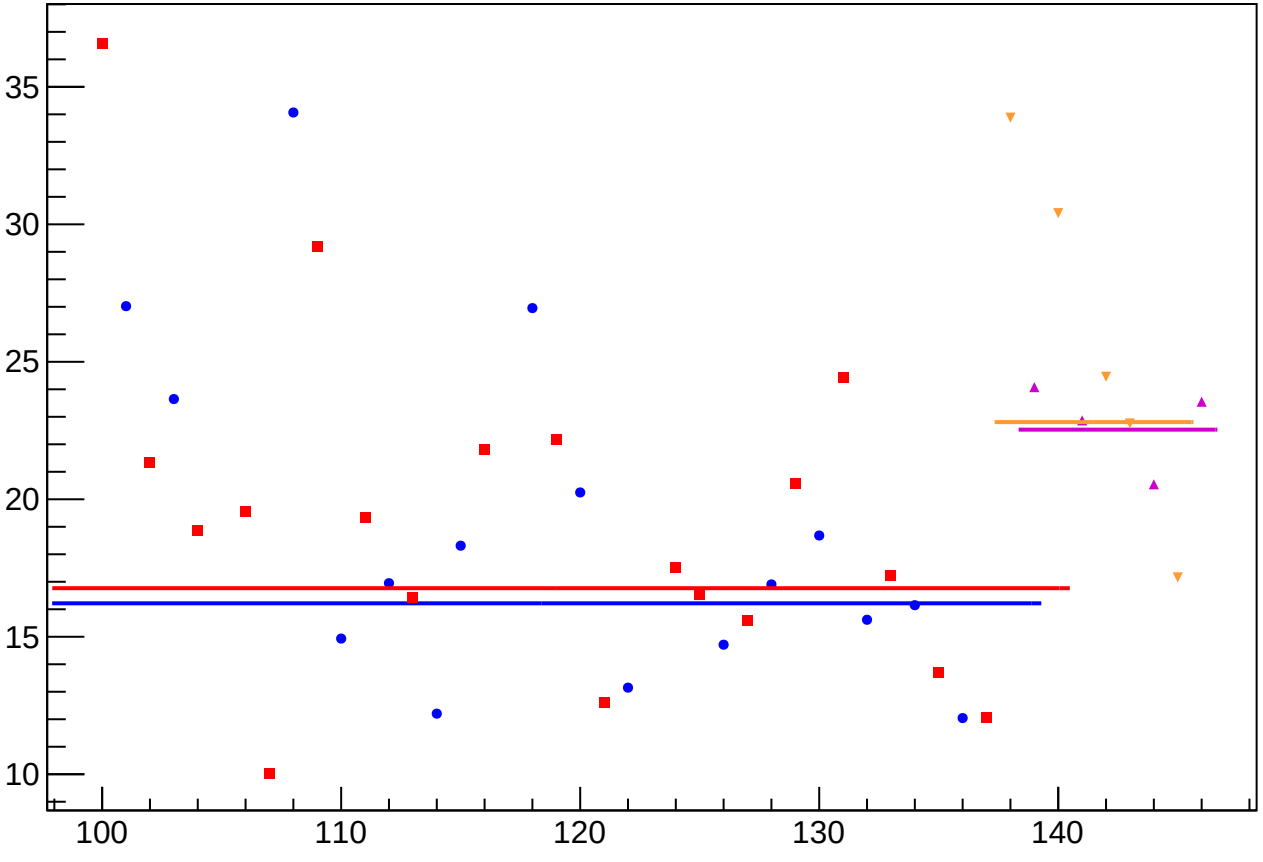
In: 17.566+/-0.004 χ^2/NDF:1365120.8/19

Out: 18.092+/-0.004 χ^2/NDF:1663234.0/23

All: 17.828+/-0.003 χ^2/NDF: 3036473.8/43


asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
Right In: 0.005+/-0.007 χ²/NDF: 21.5/15
Left Out: -0.018+/-0.012 χ²/NDF:1.9/4
Right Out: 0.004+/-0.007 χ²/NDF: 13.6/18
Left In: 0.016+/-0.013 χ²/NDF:2.6/3
Left: -0.001+/-0.009 χ²/NDF: 8.3/8
Right: 0.004+/-0.005 χ²/NDF: 35.1/34
In: 0.007+/-0.006 χ²/NDF:24.7/19
Out: -0.001+/-0.006 χ²/NDF:17.9/23
All: 0.003+/-0.004 χ²/NDF: 43.7/43

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: 22.808+/-0.009 χ^2/NDF:431586.6/4

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.533+/-0.009 χ^2/NDF:25645.7/3

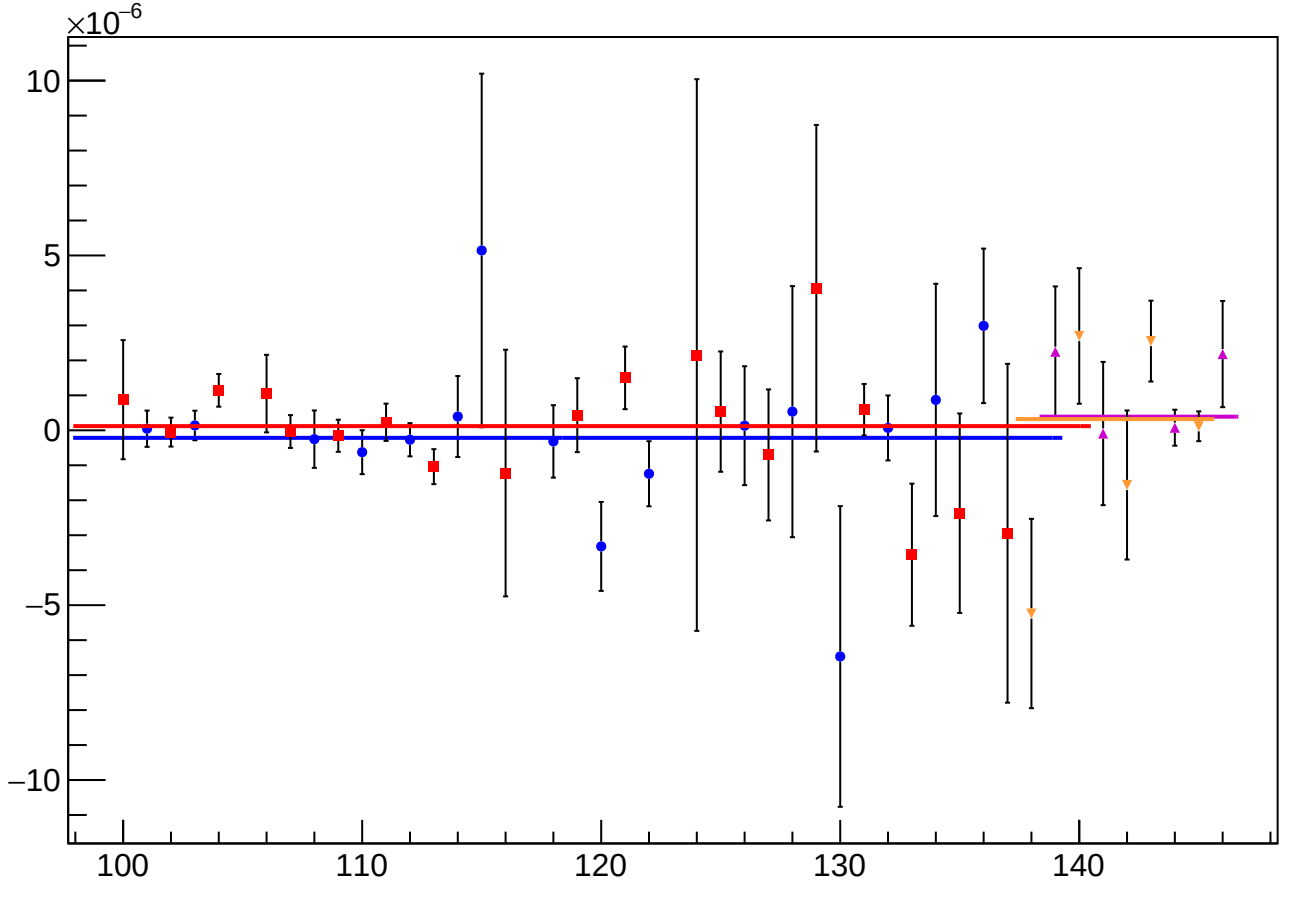
Left: 22.671+/-0.006 χ^2/NDF: 457712.5/8

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.566+/-0.004 χ^2/NDF:1365120.8/19

Out: 18.092+/-0.004 χ^2/NDF:1663234.0/23

All: 17.828+/-0.003 χ^2/NDF: 3036473.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/3

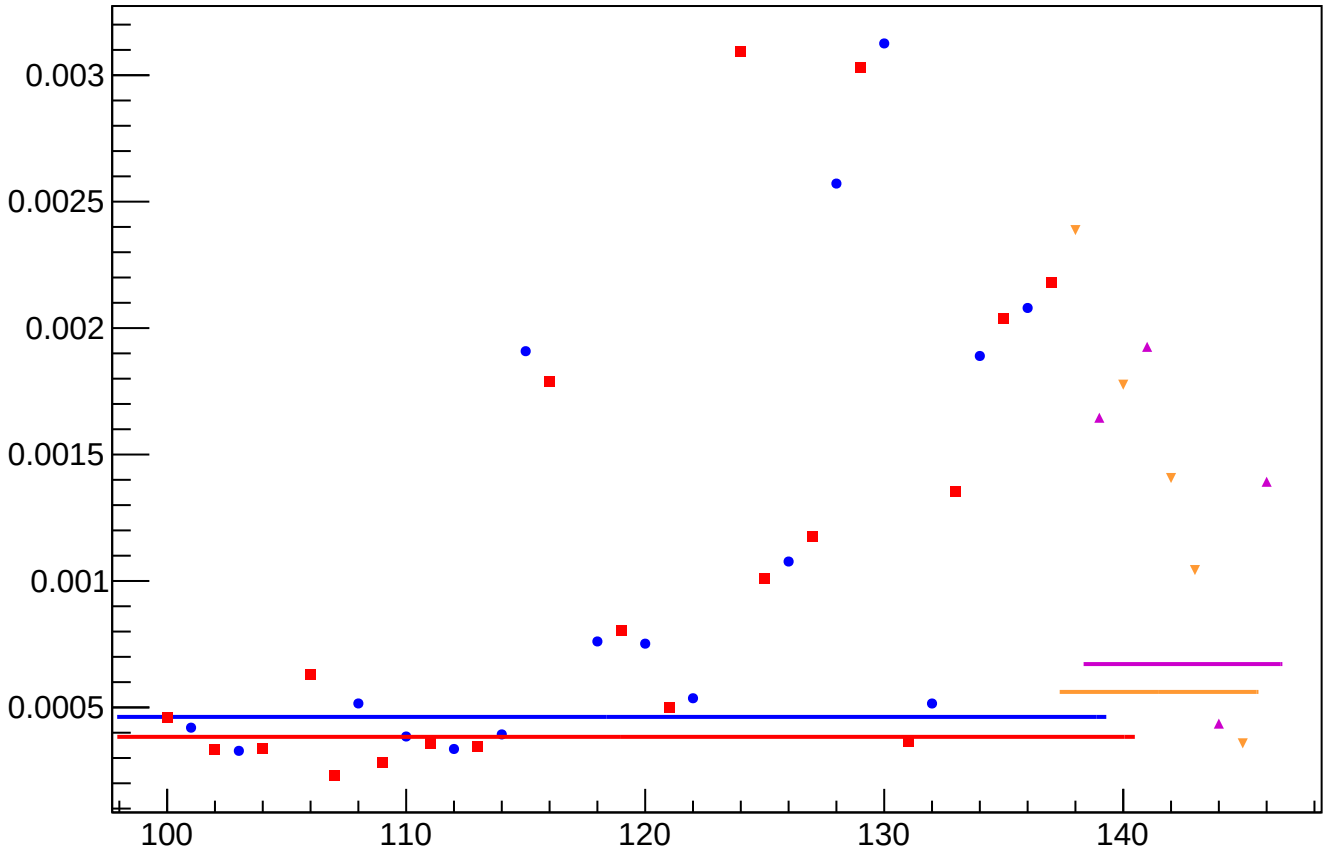
Left: 0.000+/-0.000 χ^2/NDF: 13.3/8

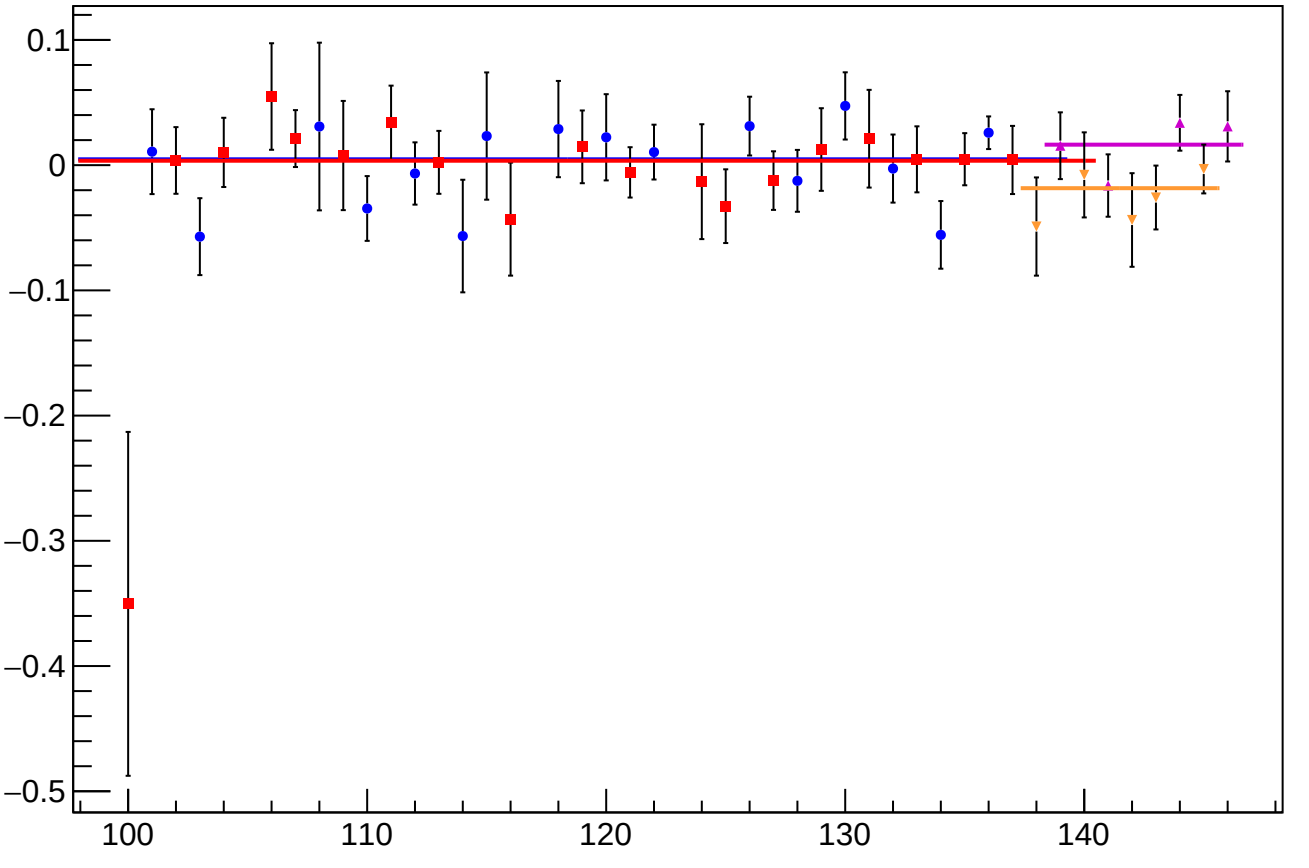
Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:18.7/19

Out: 0.000+/-0.000 χ^2/NDF:30.9/23

All: 0.000+/-0.000 χ^2/NDF: 50.8/43


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:2813722.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:2162493.9/3
Left: 0.001+/-0.000 χ²/NDF: 5044192.0/8
Right: 0.000+/-0.000 χ²/NDF: 8244700.4/34
In: 0.000+/-0.000 χ²/NDF:6521815.0/19
Out: 0.000+/-0.000 χ²/NDF:7232252.1/23
All: 0.000+/-0.000 χ²/NDF: 13987594.7/43



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.018+/-0.012 χ^2/NDF:1.9/4

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.016+/-0.013 χ^2/NDF:2.6/3

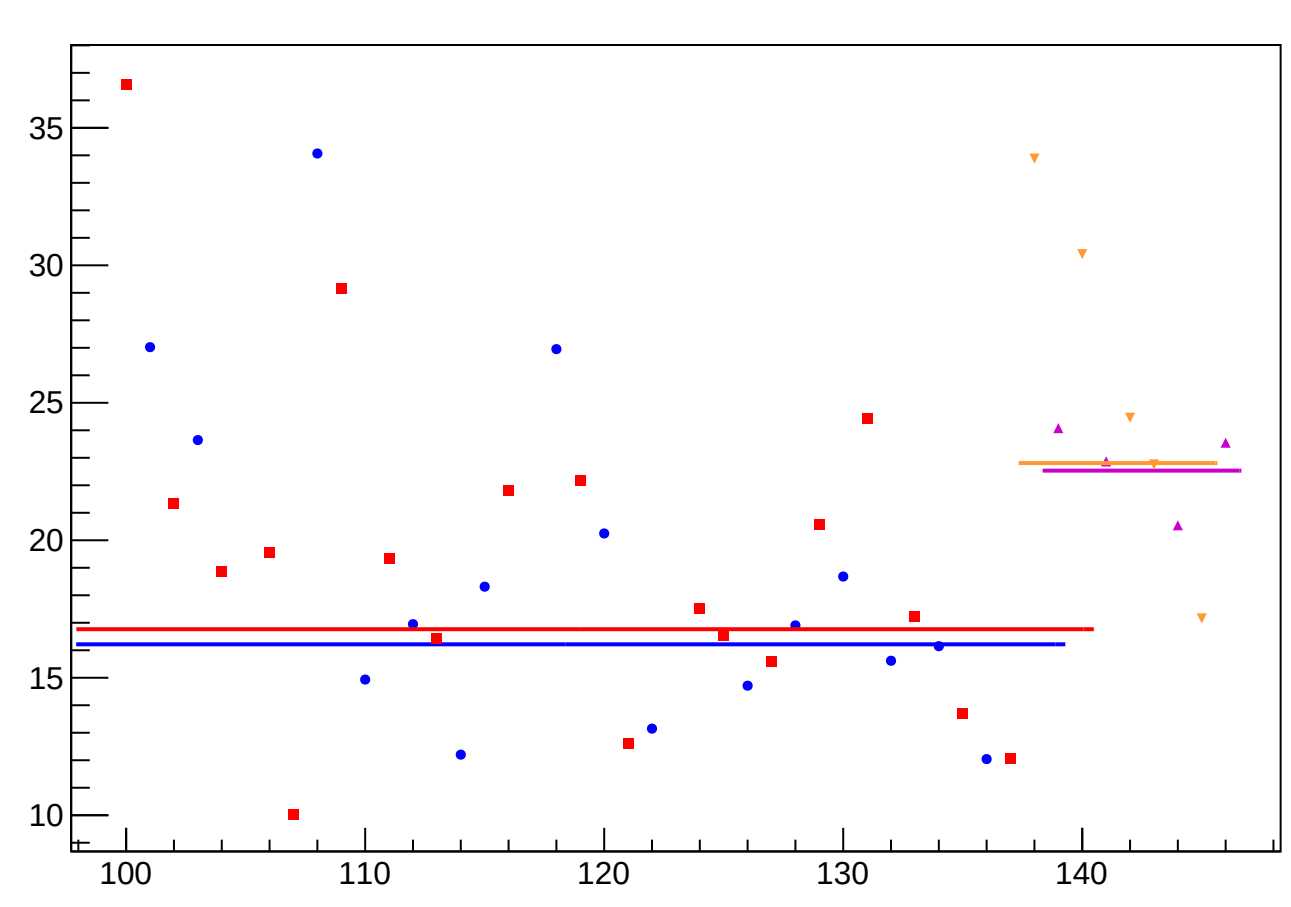
Left: -0.001+/-0.009 χ^2/NDF: 8.3/8

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.007+/-0.006 χ^2/NDF:24.7/19

Out: -0.001+/-0.006 χ^2/NDF:17.9/23

All: 0.003+/-0.004 χ^2/NDF: 43.7/43



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 22.808+/-0.009 χ^2/NDF:431623.4/4

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.533+/-0.009 χ^2/NDF:25658.4/3

Left: 22.672+/-0.006 χ^2/NDF: 457760.2/8

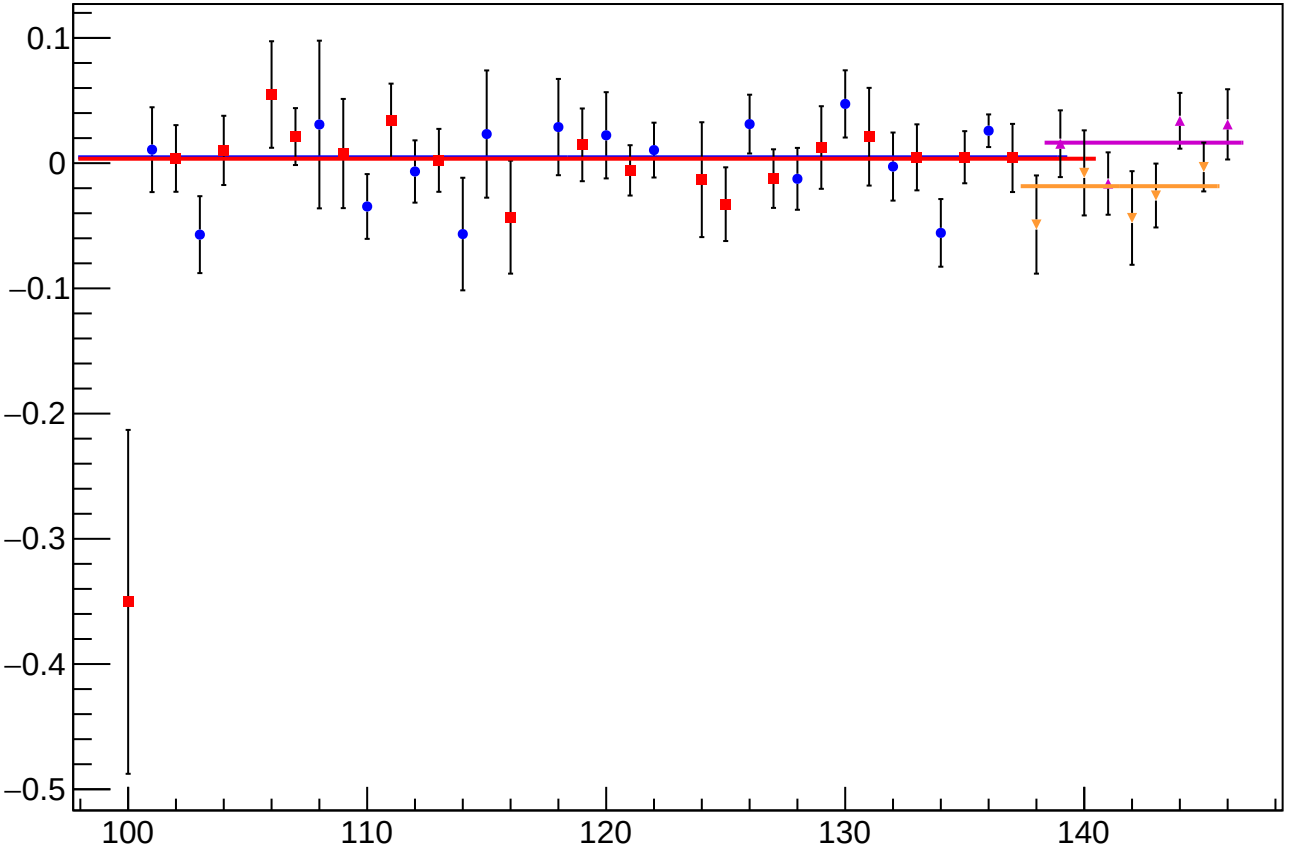
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.566+/-0.004 χ^2/NDF:1365190.8/19

Out: 18.092+/-0.004 χ^2/NDF:1663305.9/23

All: 17.828+/-0.003 χ^2/NDF: 3036613.1/43

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.018+/-0.012 χ^2/NDF:1.9/4

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.016+/-0.013 χ^2/NDF:2.6/3

Left: -0.001+/-0.009 χ^2/NDF: 8.3/8

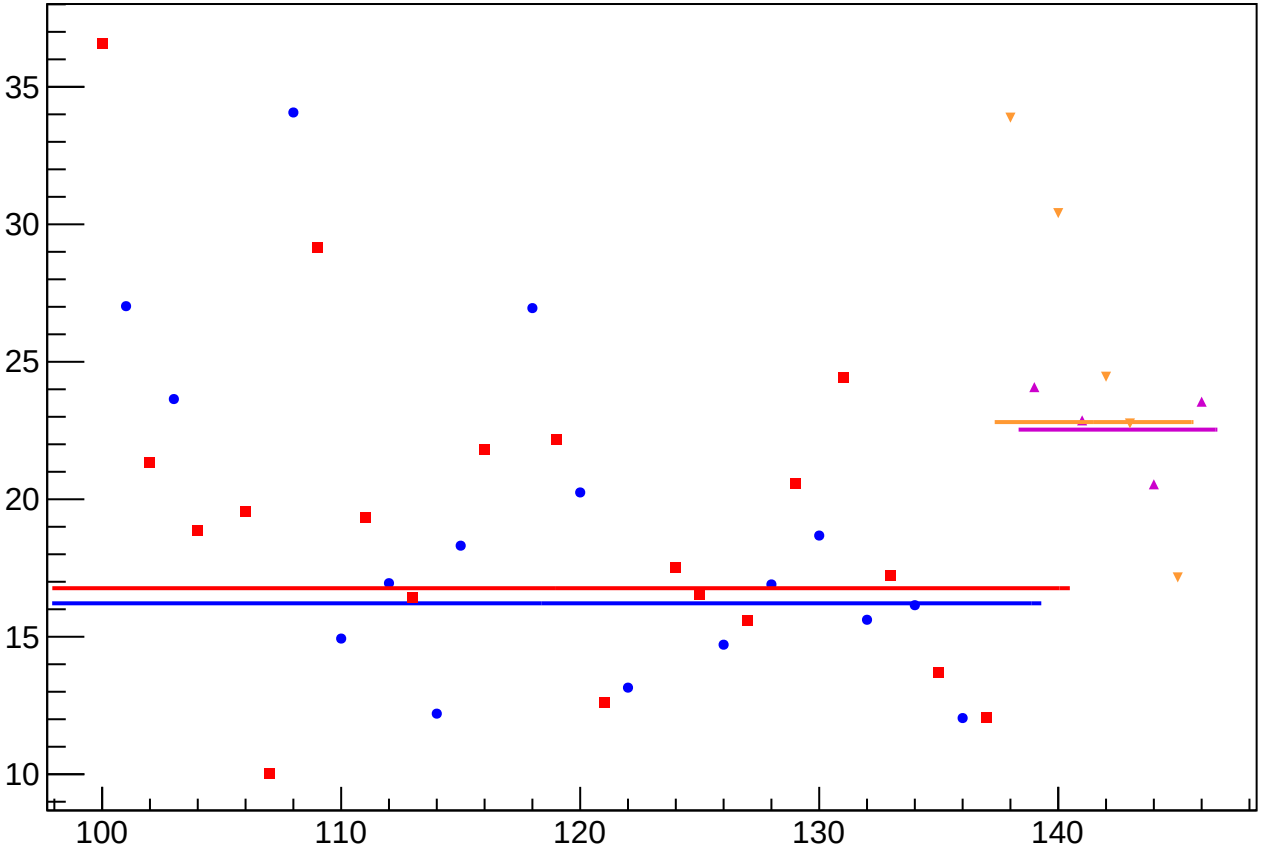
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.007+/-0.006 χ^2/NDF:24.7/19

Out: -0.001+/-0.006 χ^2/NDF:17.9/23

All: 0.003+/-0.004 χ^2/NDF: 43.7/43

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: 22.808+/-0.009 χ^2/NDF:431623.4/4

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.533+/-0.009 χ^2/NDF:25658.4/3

Left: 22.672+/-0.006 χ^2/NDF: 457760.2/8

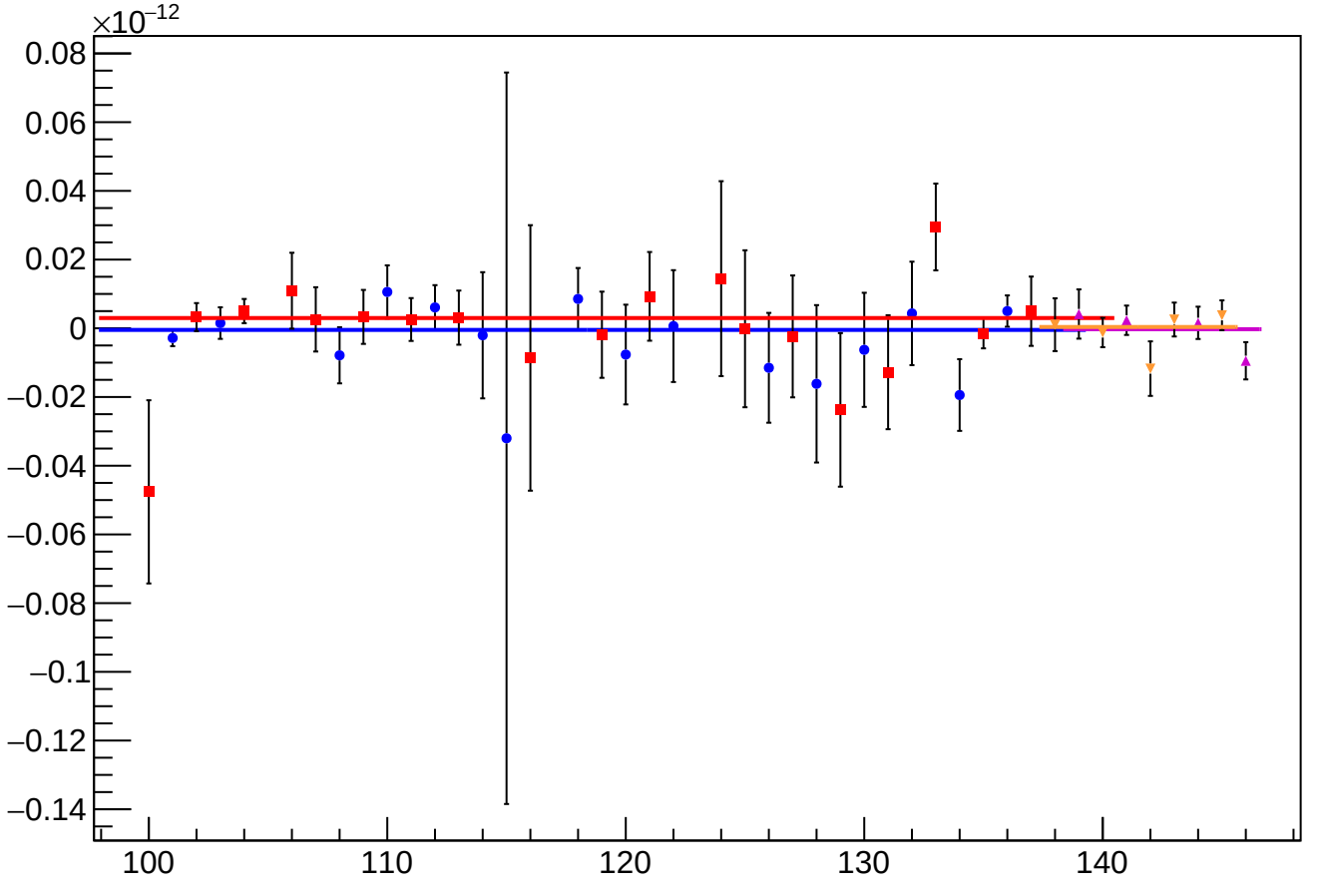
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.566+/-0.004 χ^2/NDF:1365190.8/19

Out: 18.092+/-0.004 χ^2/NDF:1663305.9/23

All: 17.828+/-0.003 χ^2/NDF: 3036613.1/43

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/3

Left: 0.000+/-0.000 χ^2/NDF: 7.1/8

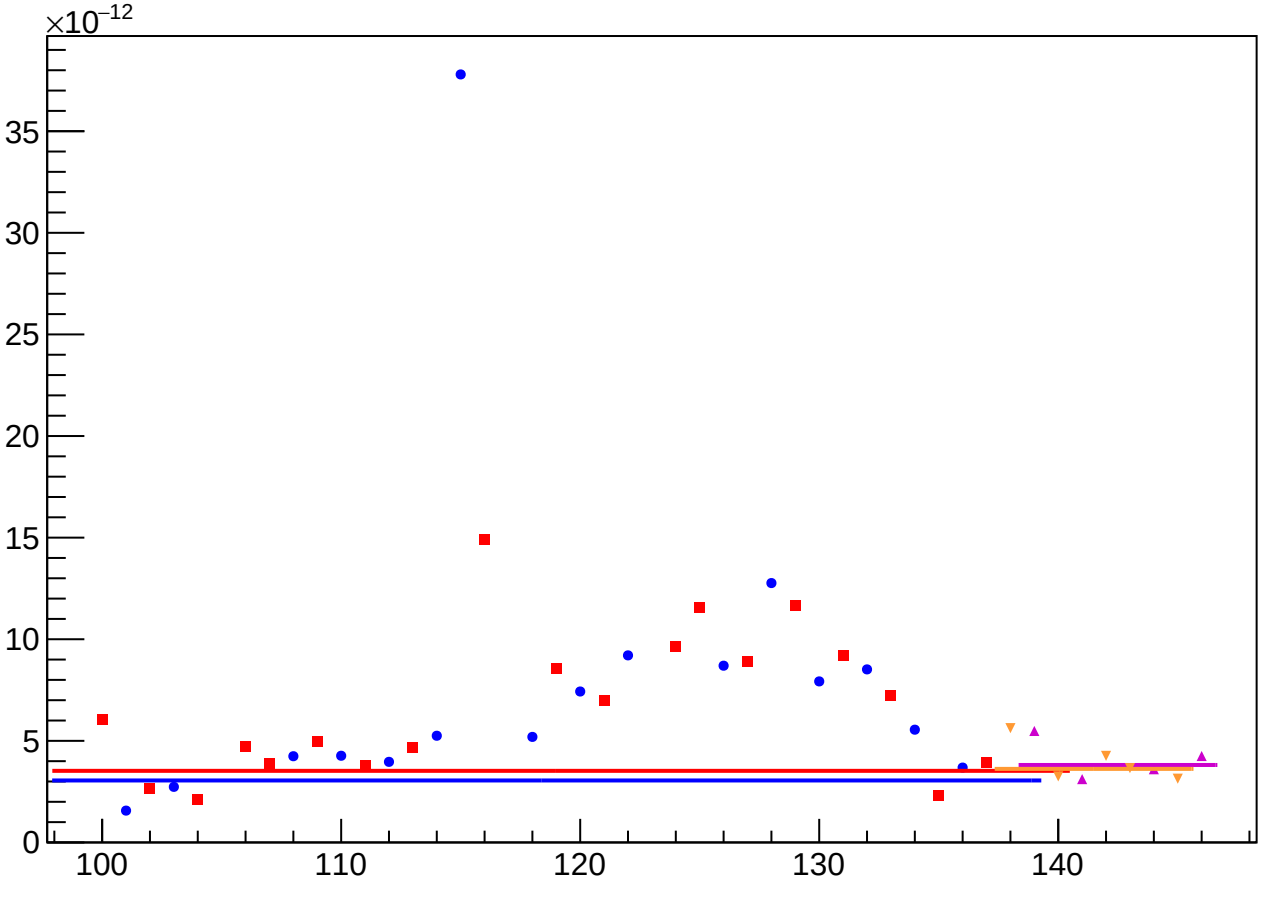
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:16.1/19

Out: 0.000+/-0.000 χ^2/NDF:17.1/23

All: 0.000+/-0.000 χ^2/NDF: 34.7/43

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:188714.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:179305.3/3

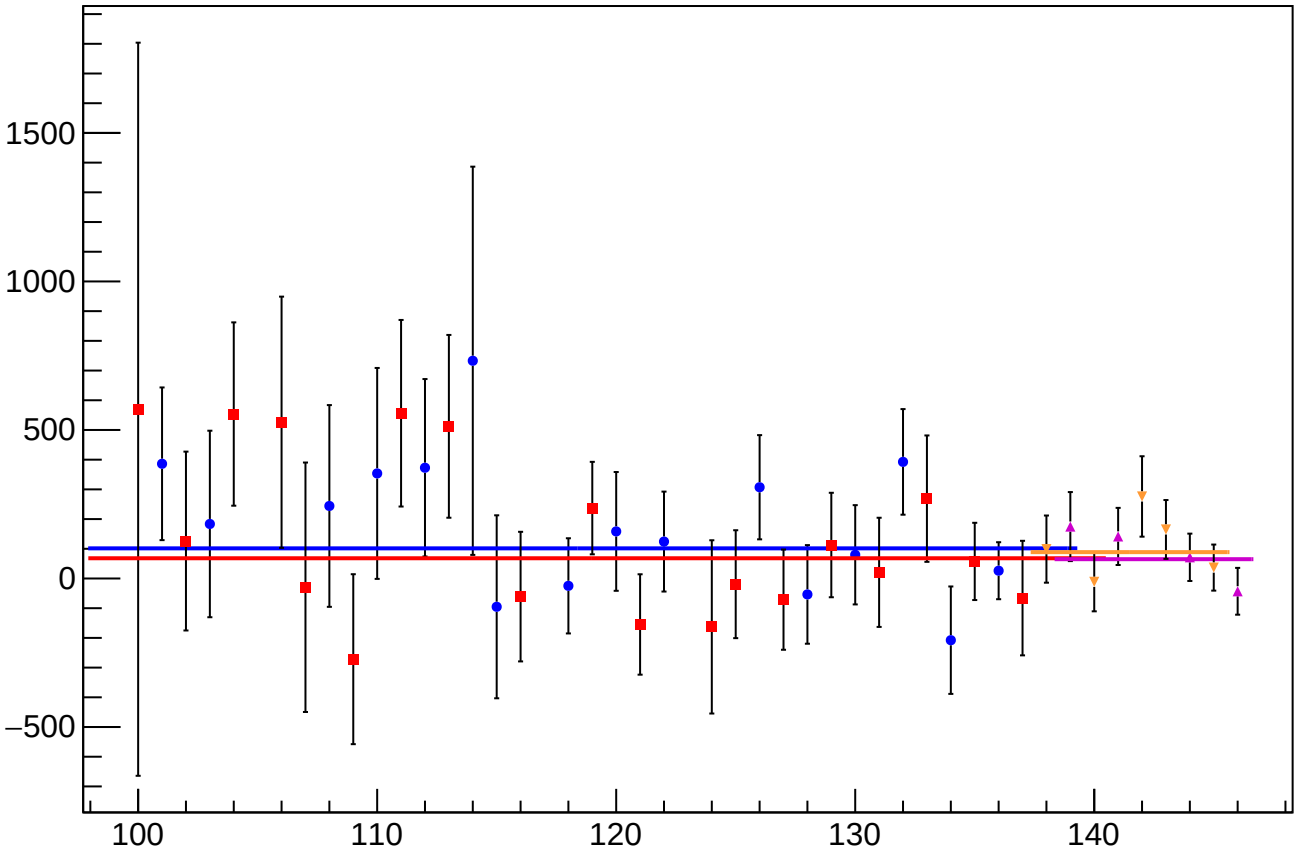
Left: 0.000+/-0.000 χ^2/NDF: 374173.3/8

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3242887.0/19

Out: 0.000+/-0.000 χ^2/NDF:2749921.8/23

All: 0.000+/-0.000 χ^2/NDF: 6034847.0/43



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 88.758+/-44.612 χ^2/NDF:4.0/4

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 64.999+/-44.688 χ^2/NDF:3.4/3

Left: 76.899+/-31.572 χ^2/NDF: 7.5/8

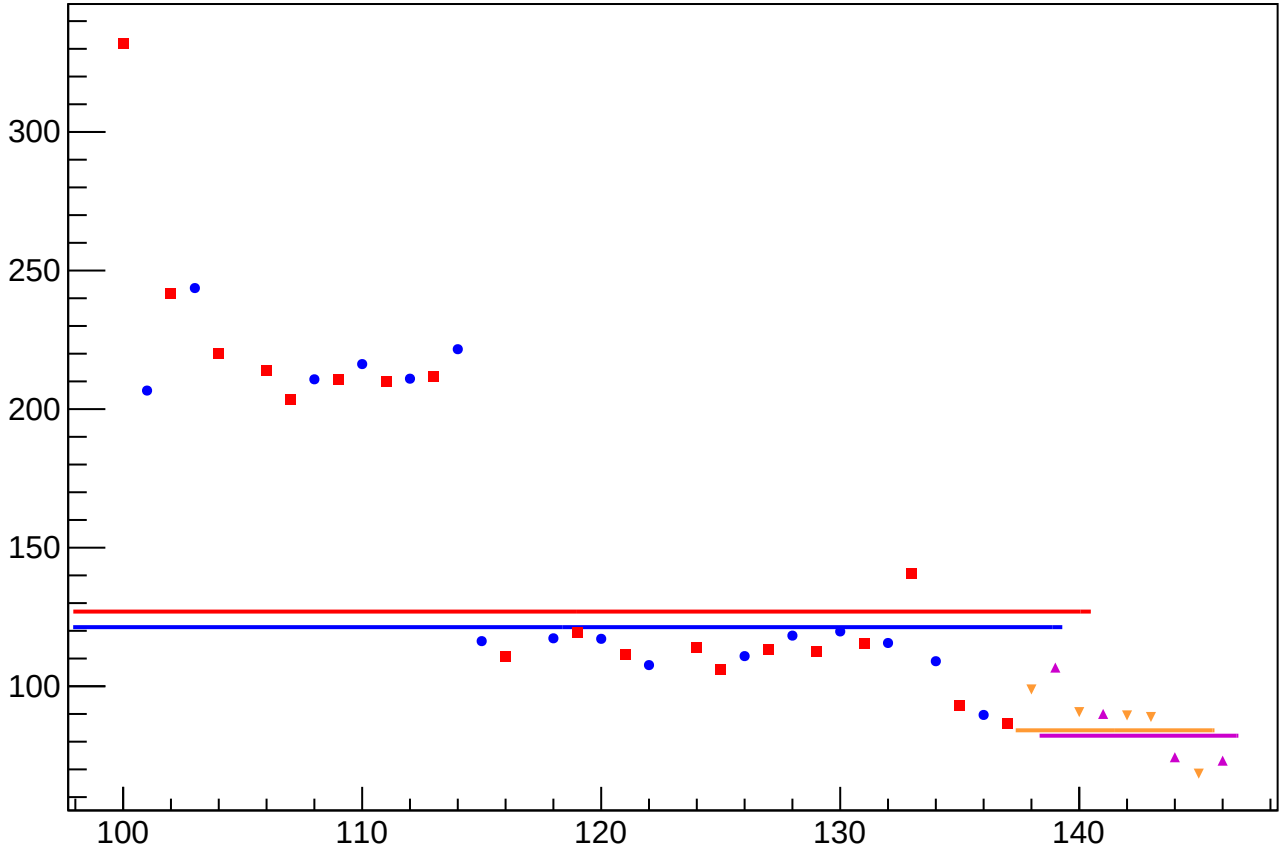
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 82.068+/-32.590 χ^2/NDF:17.1/19

Out: 79.467+/-33.087 χ^2/NDF:20.2/23

All: 80.787+/-23.218 χ^2/NDF: 37.3/43

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 84.100+/-0.032 χ^2/NDF:131902.0/4

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

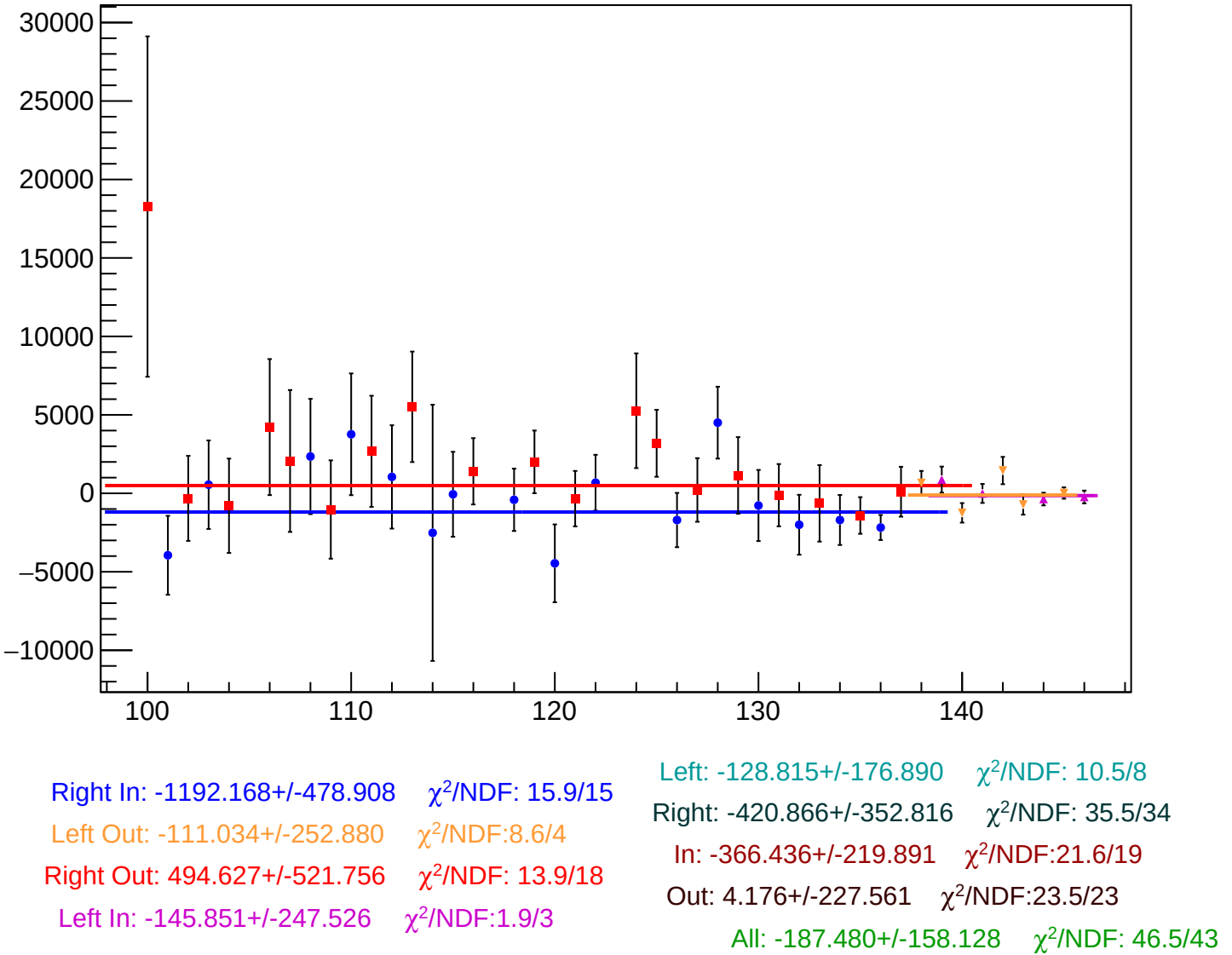
Left: 83.129+/-0.022 χ^2/NDF: 281837.1/8

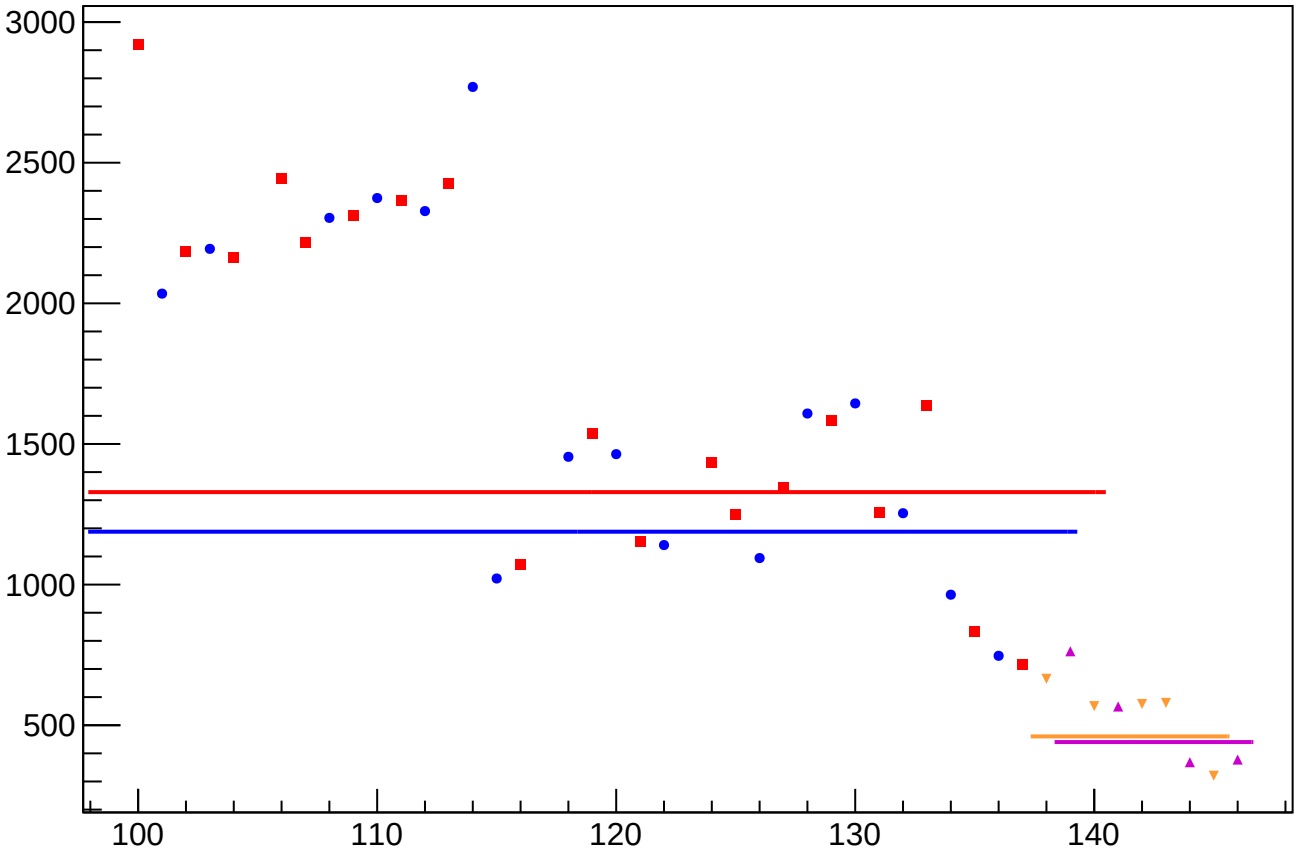
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 100.493+/-0.023 χ^2/NDF:2154052.0/19

Out: 103.377+/-0.023 χ^2/NDF:2433472.3/23

All: 101.913+/-0.016 χ^2/NDF: 4595235.7/43


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -1192.168+/-478.908 χ²/NDF: 15.9/15
Left Out: -111.034+/-252.880 χ²/NDF:8.6/4
Right Out: 494.627+/-521.756 χ²/NDF: 13.9/18
Left In: -145.851+/-247.526 χ²/NDF:1.9/3
Left: -128.815+/-176.890 χ²/NDF: 10.5/8
Right: -420.866+/-352.816 χ²/NDF: 35.5/34
In: -366.436+/-219.891 χ²/NDF:21.6/19
Out: 4.176+/-227.561 χ²/NDF:23.5/23
All: -187.480+/-158.128 χ²/NDF: 46.5/43



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 460.302+/-0.179 χ^2/NDF:604391.1/4

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 440.184+/-0.175 χ^2/NDF:498901.6/3

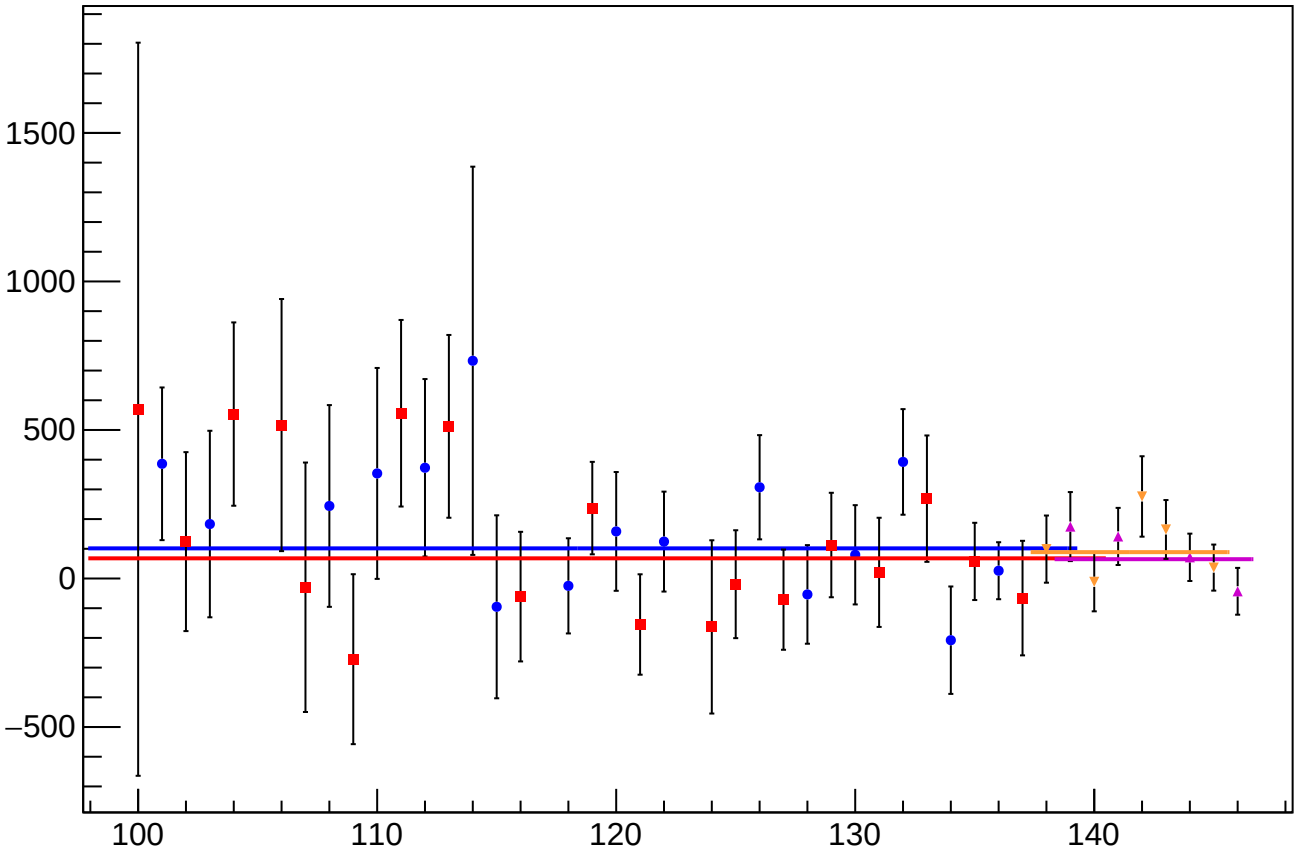
Left: 450.027+/-0.125 χ^2/NDF: 1109757.3/8

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 597.853+/-0.155 χ^2/NDF:6392755.6/19

Out: 625.512+/-0.161 χ^2/NDF:7049771.0/23

All: 611.209+/-0.112 χ^2/NDF: 13457806.2/43



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 88.759+/-44.612 χ^2/NDF:4.0/4

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 65.002+/-44.688 χ^2/NDF:3.4/3

Left: 76.901+/-31.572 χ^2/NDF: 7.5/8

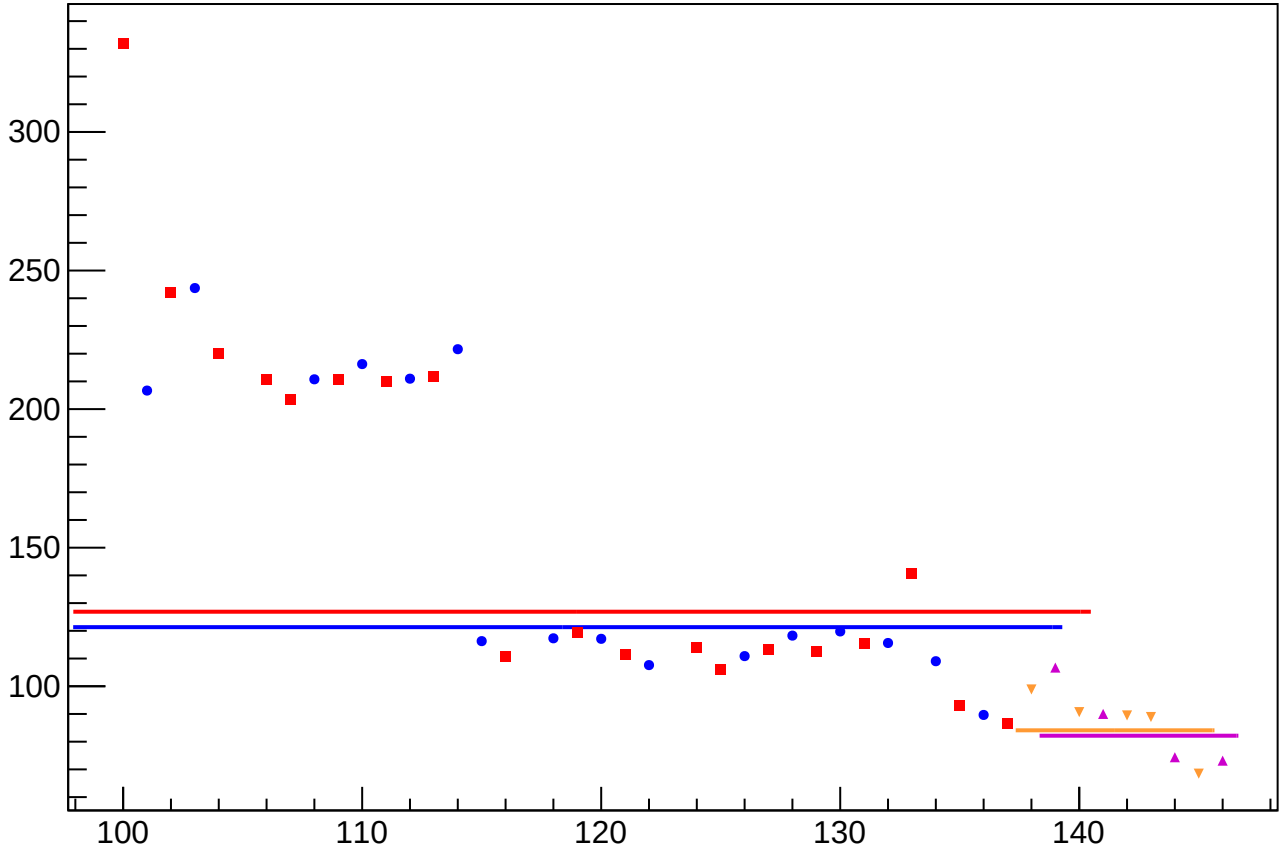
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 82.064+/-32.590 χ^2/NDF:17.1/19

Out: 79.367+/-33.088 χ^2/NDF:20.2/23

All: 80.735+/-23.219 χ^2/NDF: 37.2/43

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 84.100+/-0.032 χ^2/NDF:131902.0/4

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

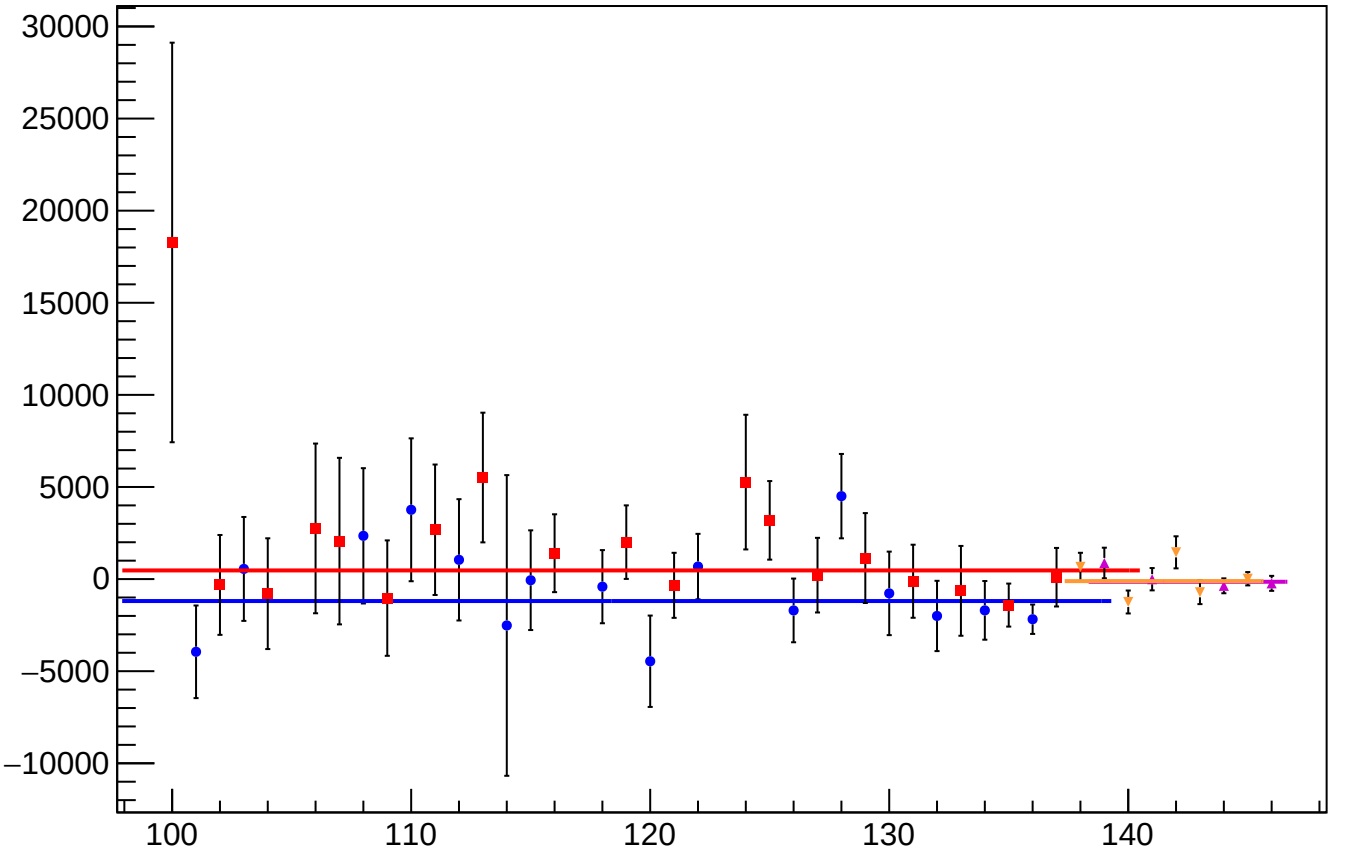
Left: 83.129+/-0.022 χ^2/NDF: 281837.1/8

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 100.493+/-0.023 χ^2/NDF:2154054.3/19

Out: 103.353+/-0.023 χ^2/NDF:2425365.4/23

All: 101.902+/-0.016 χ^2/NDF: 4587004.1/43



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -111.027+/-252.879 χ^2/NDF:8.6/4

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -145.843+/-247.526 χ^2/NDF:1.9/3

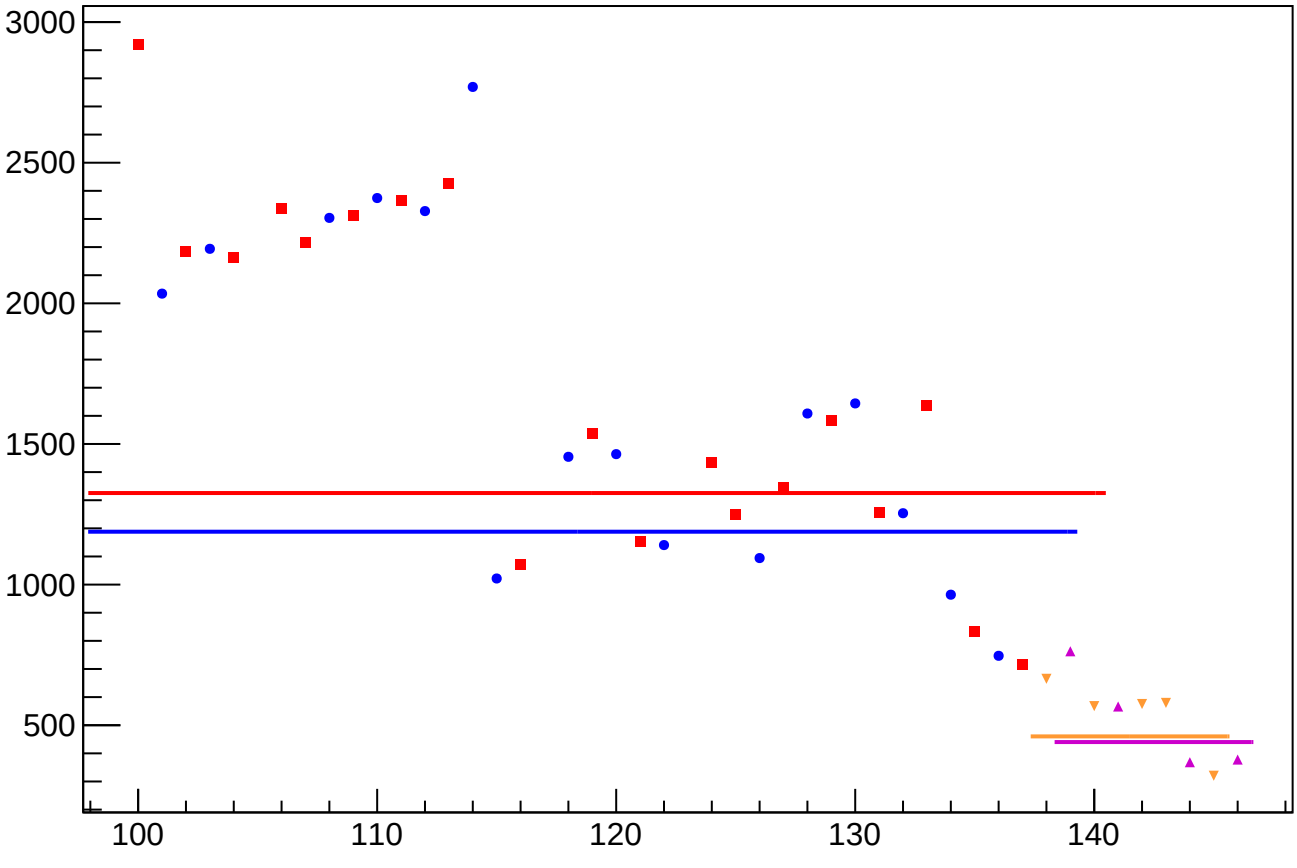
Left: -128.807+/-176.890 χ^2/NDF: 10.5/8

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -366.424+/-219.891 χ^2/NDF:21.6/19

Out: -0.707+/-227.598 χ^2/NDF:22.9/23

All: -189.861+/-158.141 χ^2/NDF: 45.9/43



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 460.301+/-0.179 χ^2/NDF:604395.3/4

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 440.183+/-0.175 χ^2/NDF:498902.7/3

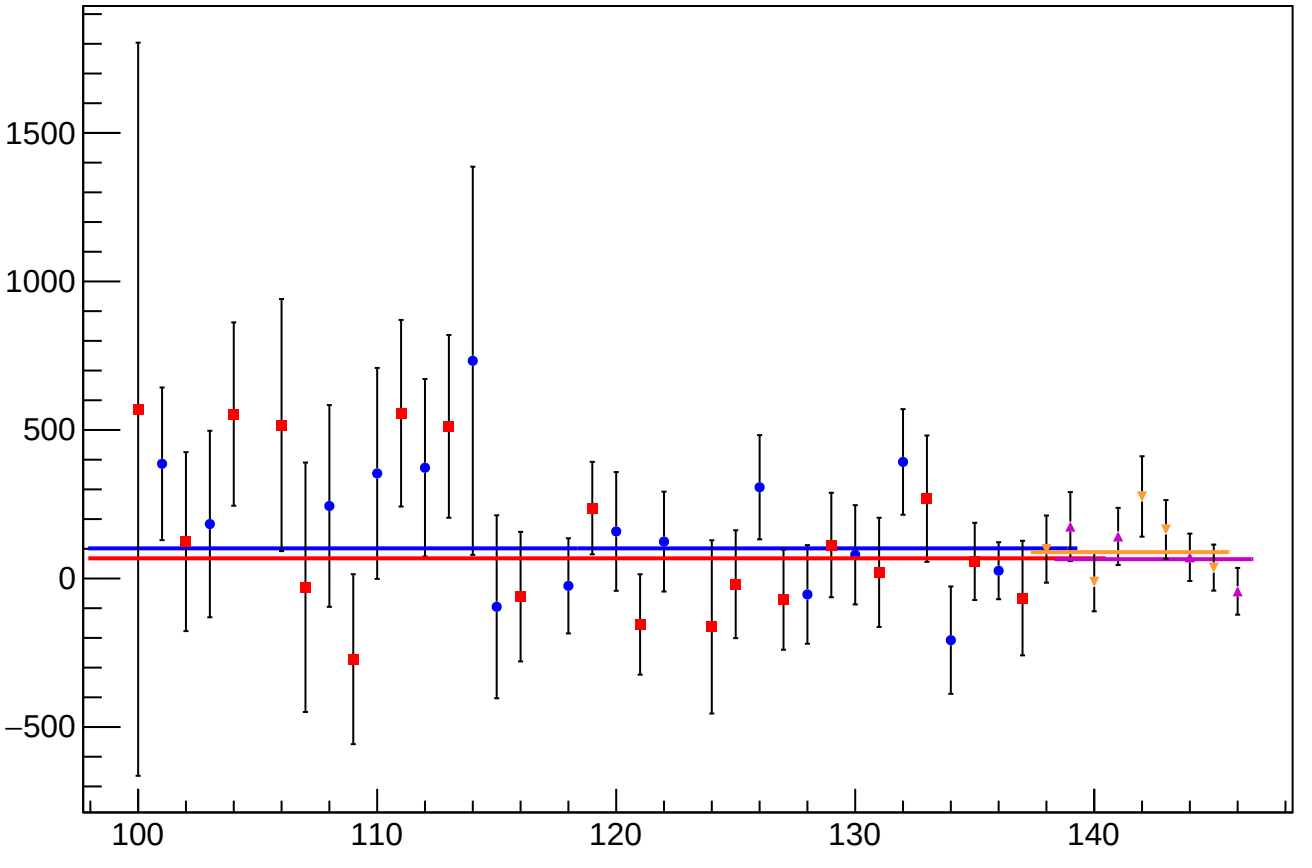
Left: 450.027+/-0.125 χ^2/NDF: 1109762.1/8

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 597.852+/-0.155 χ^2/NDF:6392778.3/19

Out: 624.664+/-0.161 χ^2/NDF:6973285.9/23

All: 610.797+/-0.112 χ^2/NDF: 13380419.3/43



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 88.759+/-44.612 χ^2/NDF:4.0/4

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 65.002+/-44.688 χ^2/NDF:3.4/3

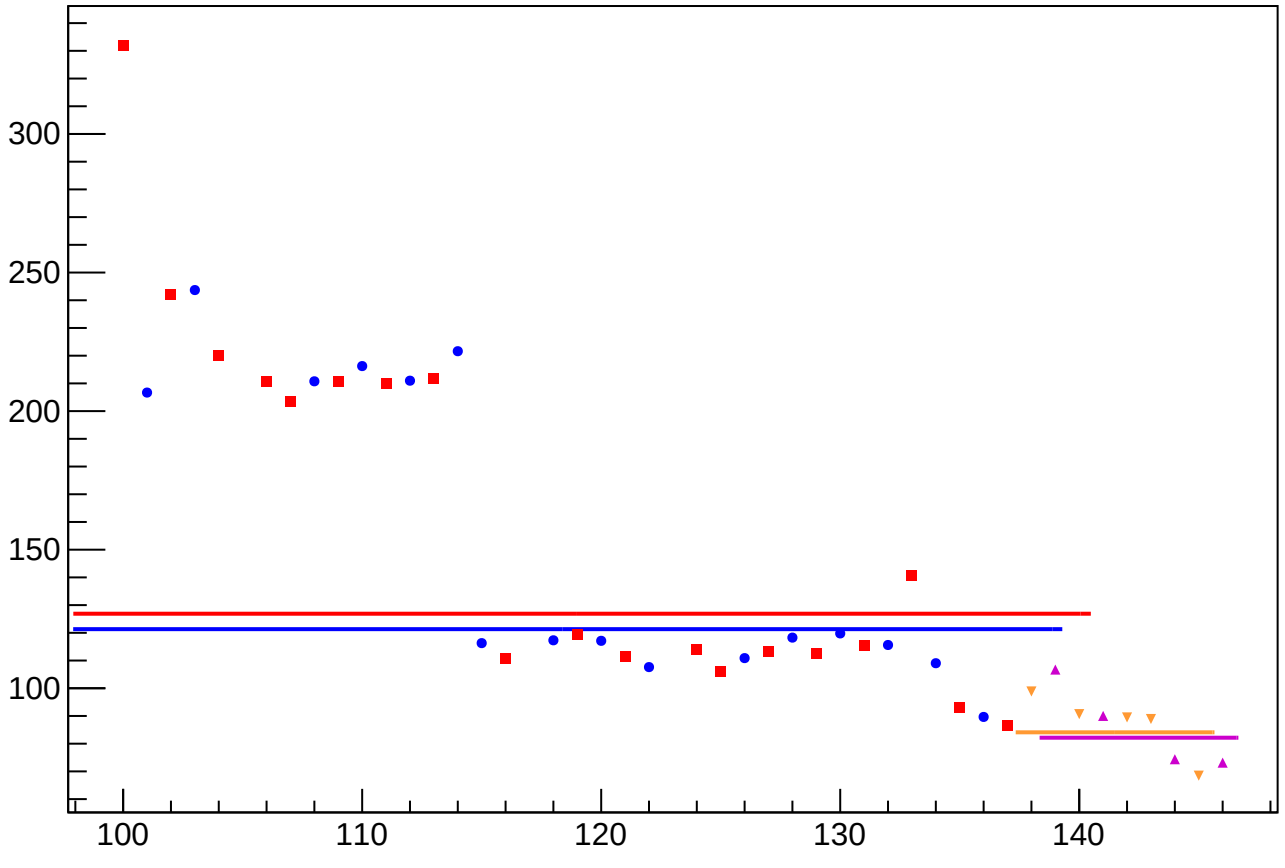
Left: 76.901+/-31.572 χ^2/NDF: 7.5/8

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 82.064+/-32.590 χ^2/NDF:17.1/19

Out: 79.367+/-33.088 χ^2/NDF:20.2/23

All: 80.735+/-23.219 χ^2/NDF: 37.2/43



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 84.100+/-0.032 χ^2/NDF:131902.0/4

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

Left: 83.129+/-0.022 χ^2/NDF: 281837.1/8

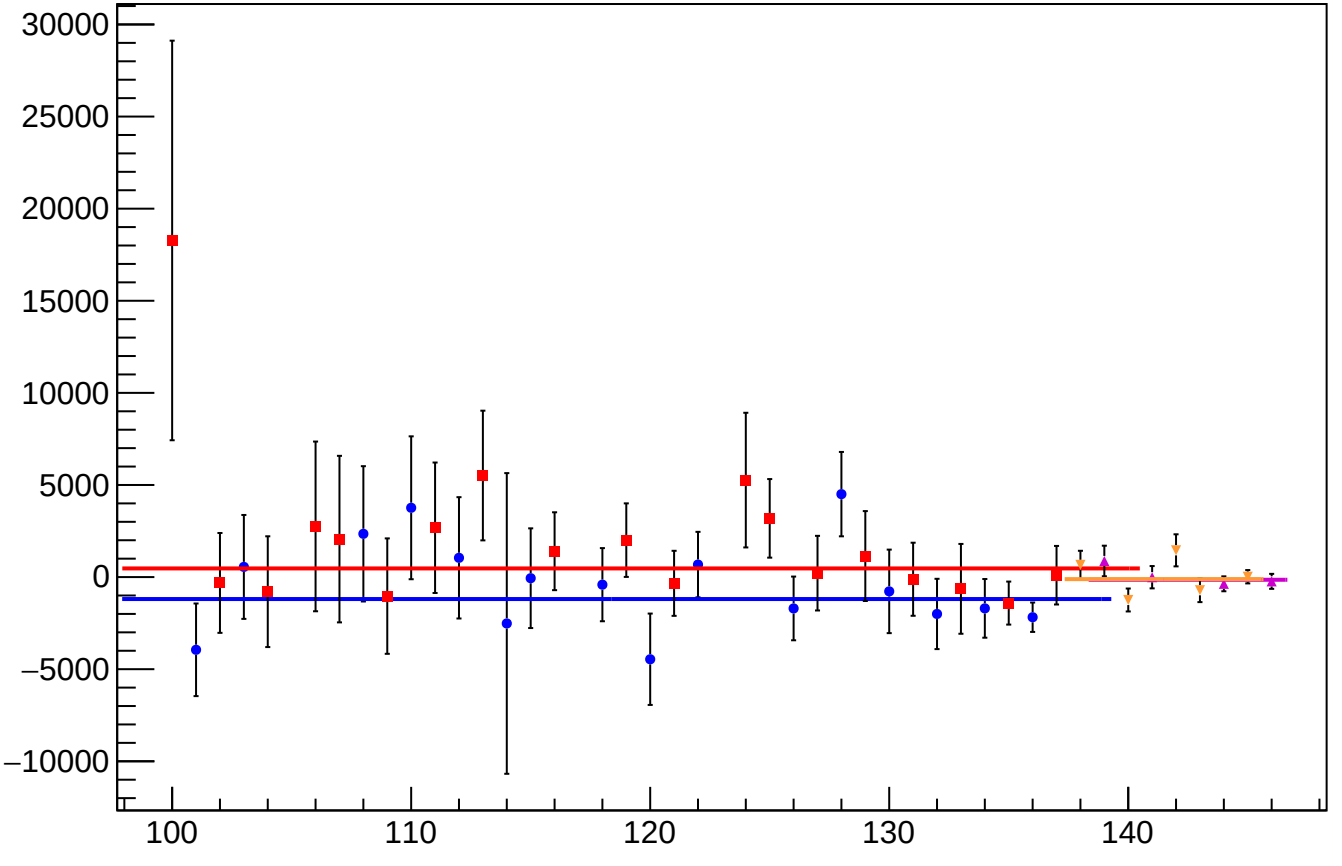
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 100.493+/-0.023 χ^2/NDF:2154054.3/19

Out: 103.353+/-0.023 χ^2/NDF:2425365.4/23

All: 101.902+/-0.016 χ^2/NDF: 4587004.1/43

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: -111.027+/-252.879 χ^2/NDF:8.6/4

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -145.843+/-247.526 χ^2/NDF:1.9/3

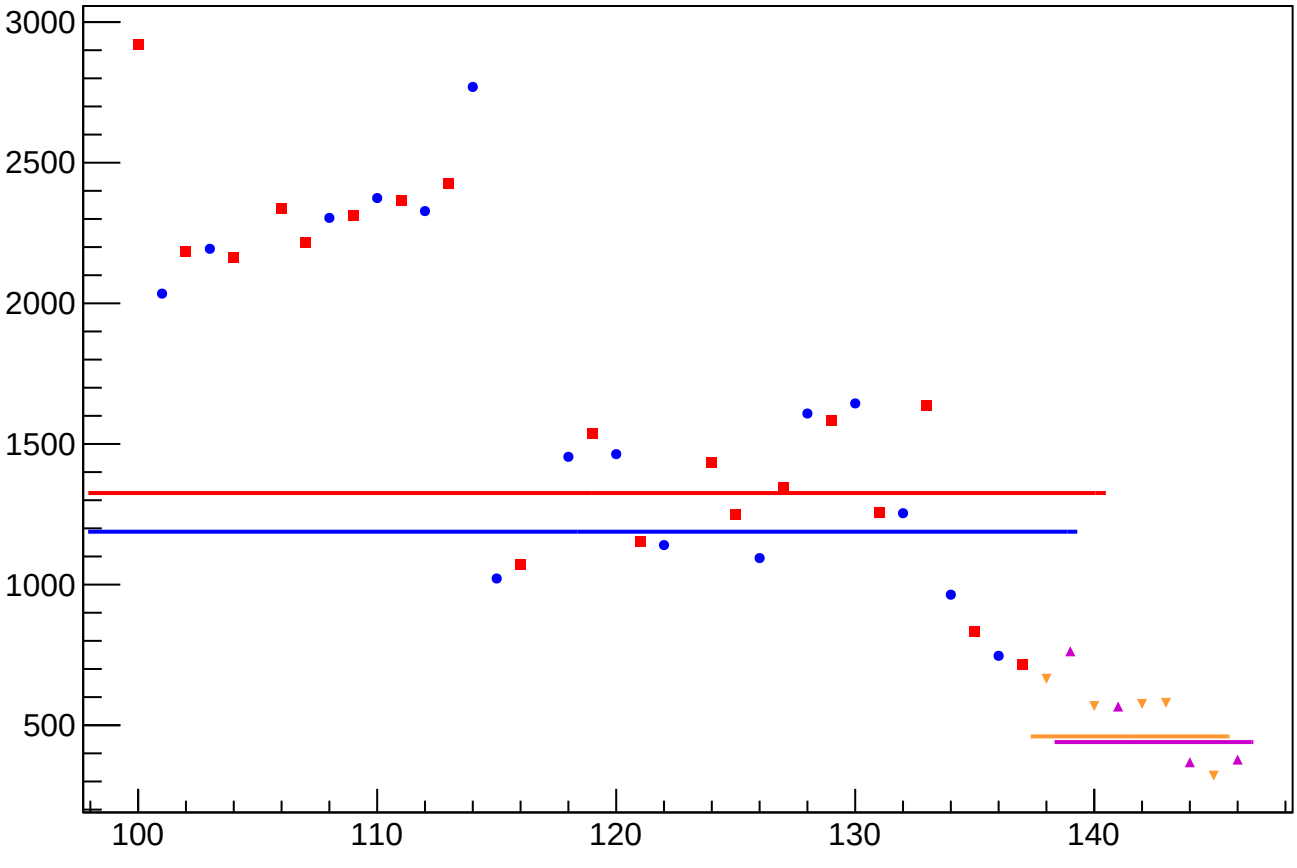
Left: -128.807+/-176.890 χ^2/NDF: 10.5/8

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -366.424+/-219.891 χ^2/NDF:21.6/19

Out: -0.707+/-227.598 χ^2/NDF:22.9/23

All: -189.861+/-158.141 χ^2/NDF: 45.9/43



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 460.301+/-0.179 χ^2/NDF:604395.3/4

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 440.183+/-0.175 χ^2/NDF:498902.7/3

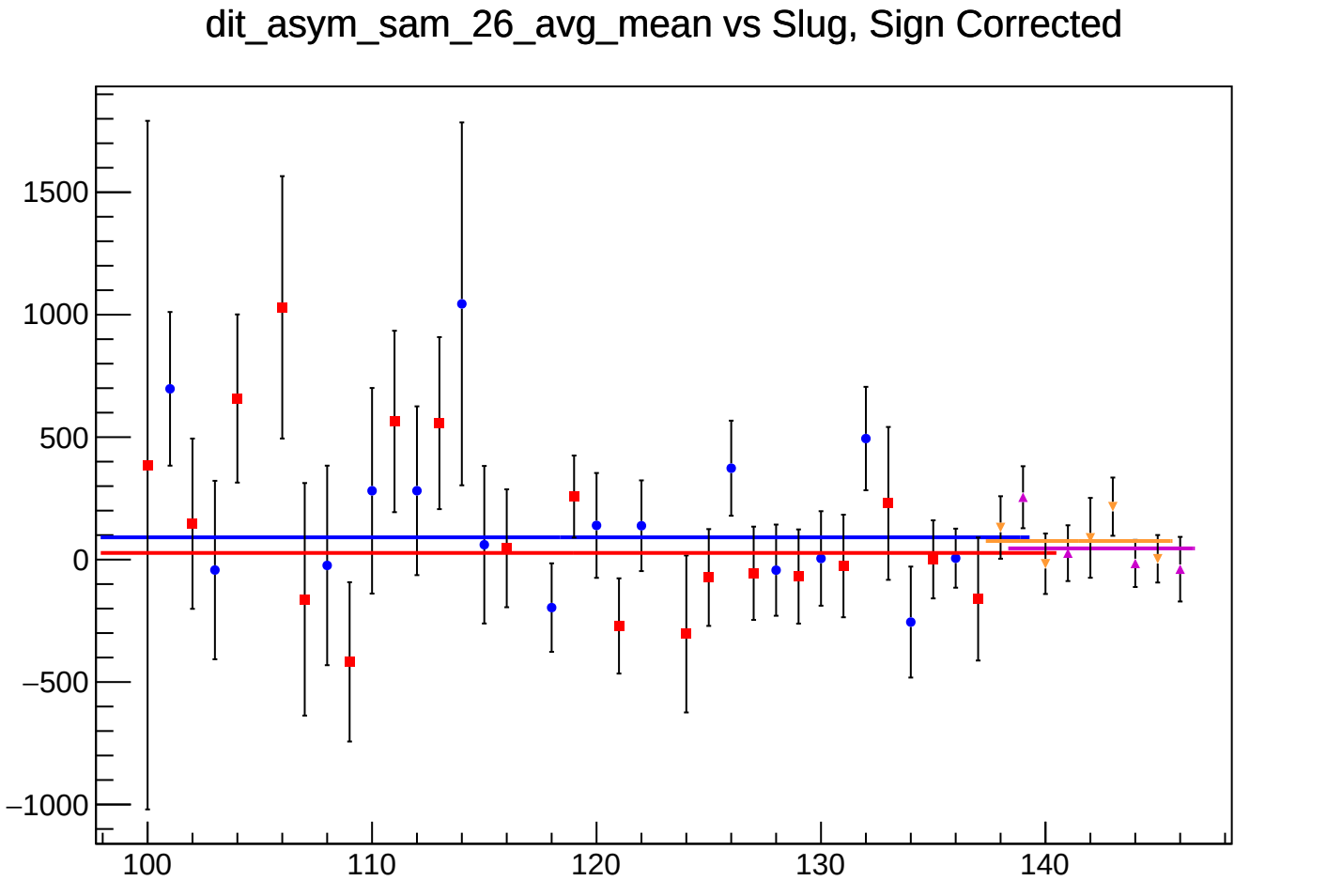
Left: 450.027+/-0.125 χ^2/NDF: 1109762.1/8

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 597.852+/-0.155 χ^2/NDF:6392778.3/19

Out: 624.664+/-0.161 χ^2/NDF:6973285.9/23

All: 610.797+/-0.112 χ^2/NDF: 13380419.3/43



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 75.876+/-54.085 χ^2/NDF:2.7/4

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 45.788+/-57.266 χ^2/NDF:3.6/3

Left: 61.691+/-39.320 χ^2/NDF: 6.4/8

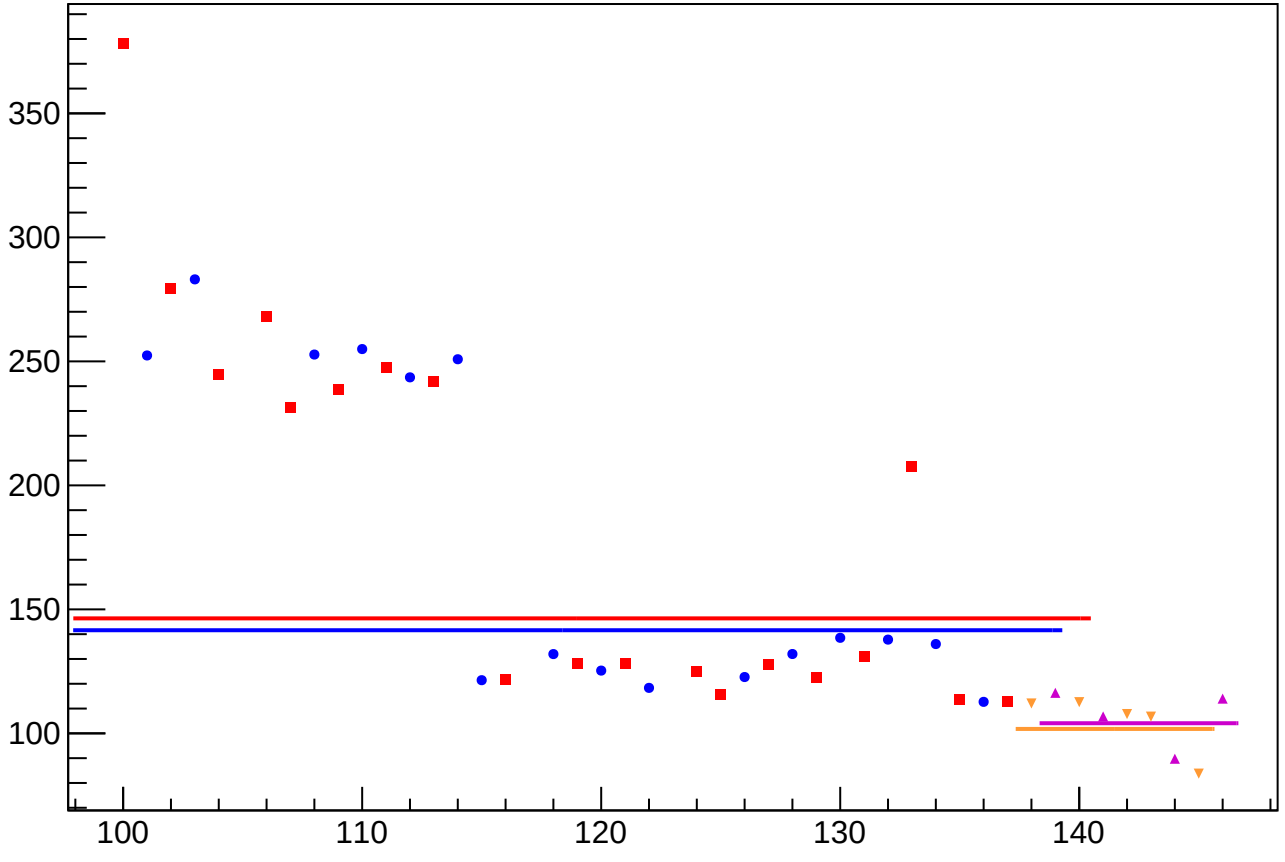
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 69.028+/-39.878 χ^2/NDF:22.0/19

Out: 52.807+/-39.239 χ^2/NDF:23.6/23

All: 60.787+/-27.969 χ^2/NDF: 45.7/43

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 101.787+/-0.038 χ^2/NDF:103534.2/4

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 104.089+/-0.040 χ^2/NDF:75492.2/3

Left: 102.873+/-0.028 χ^2/NDF: 180733.9/8

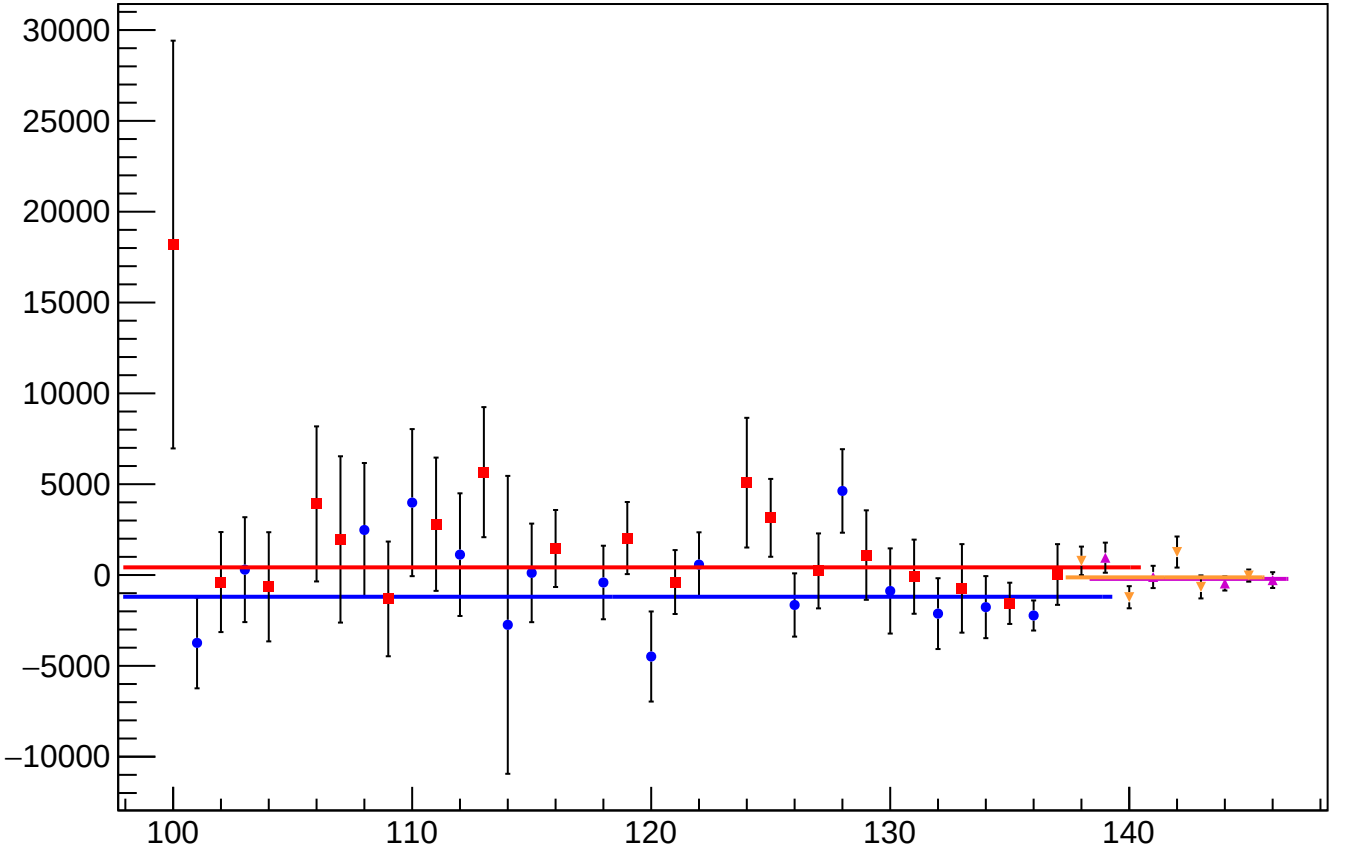
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 123.403+/-0.028 χ^2/NDF:1779534.1/19

Out: 122.903+/-0.028 χ^2/NDF:2260808.8/23

All: 123.149+/-0.020 χ^2/NDF: 4040502.7/43

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -128.991+/-241.586 χ^2/NDF:8.0/4

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: -212.932+/-250.467 χ^2/NDF:2.5/3

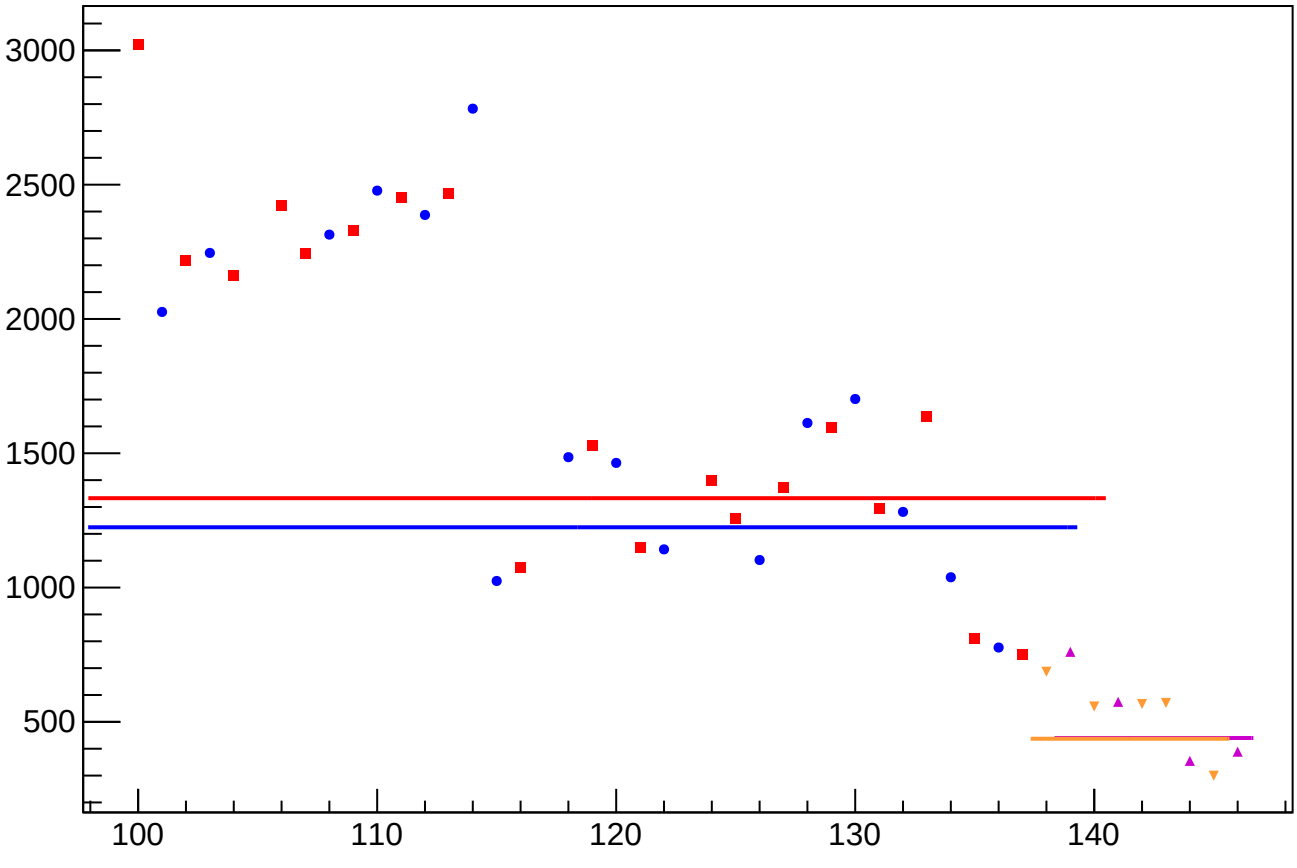
Left: -169.446+/-173.882 χ^2/NDF: 10.5/8

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -415.808+/-223.151 χ^2/NDF:21.6/19

Out: -32.324+/-219.379 χ^2/NDF:23.2/23

All: -220.798+/-156.441 χ^2/NDF: 46.3/43



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 437.199+/-0.171 χ^2/NDF:752933.7/4

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 439.968+/-0.177 χ^2/NDF:519028.0/3

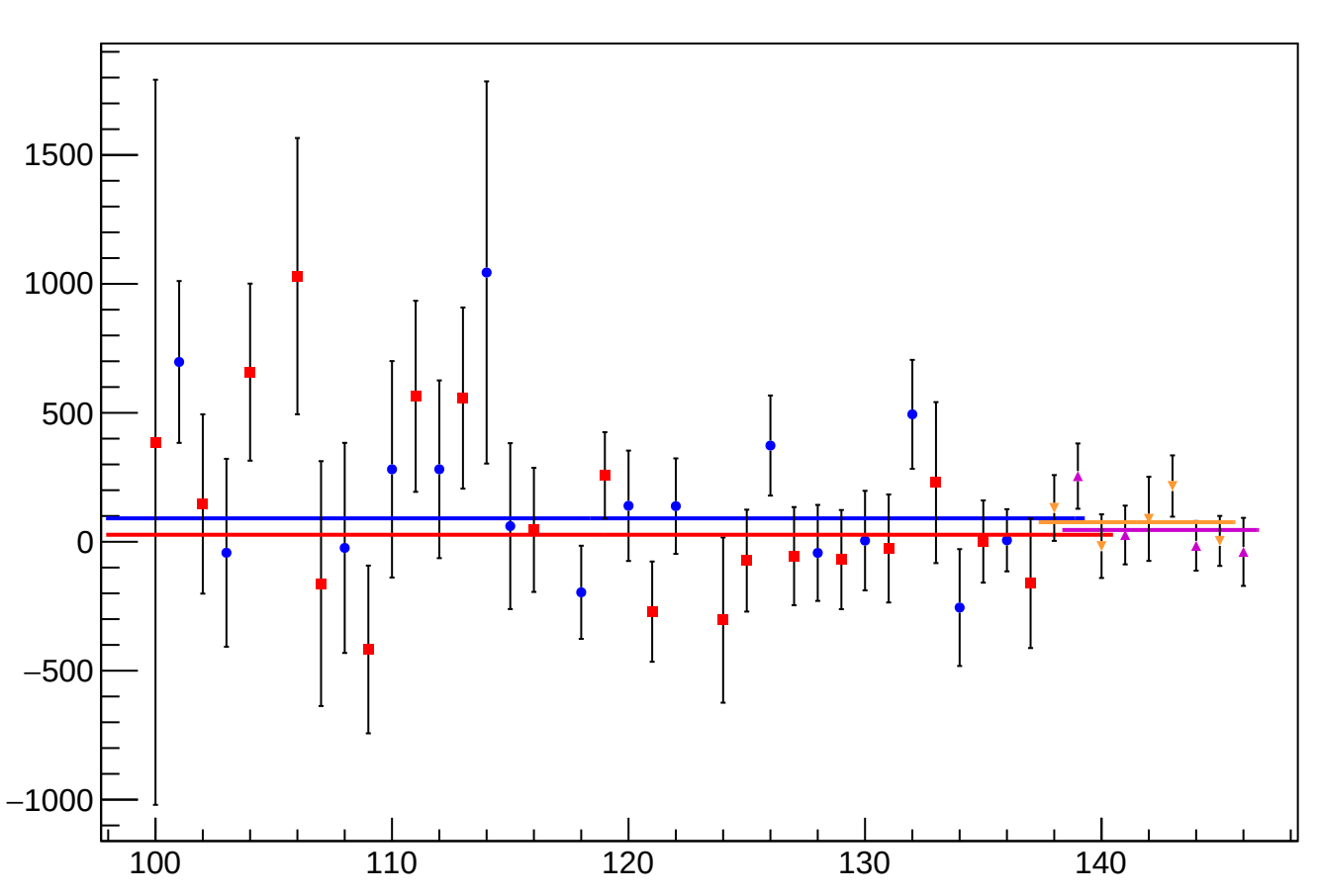
Left: 438.534+/-0.123 χ^2/NDF: 1272088.2/8

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 601.757+/-0.158 χ^2/NDF:6524806.1/19

Out: 594.276+/-0.155 χ^2/NDF:7568392.2/23

All: 597.953+/-0.111 χ^2/NDF: 14094341.2/43



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 75.874+/-54.085 χ^2/NDF:2.7/4

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 45.788+/-57.267 χ^2/NDF:3.6/3

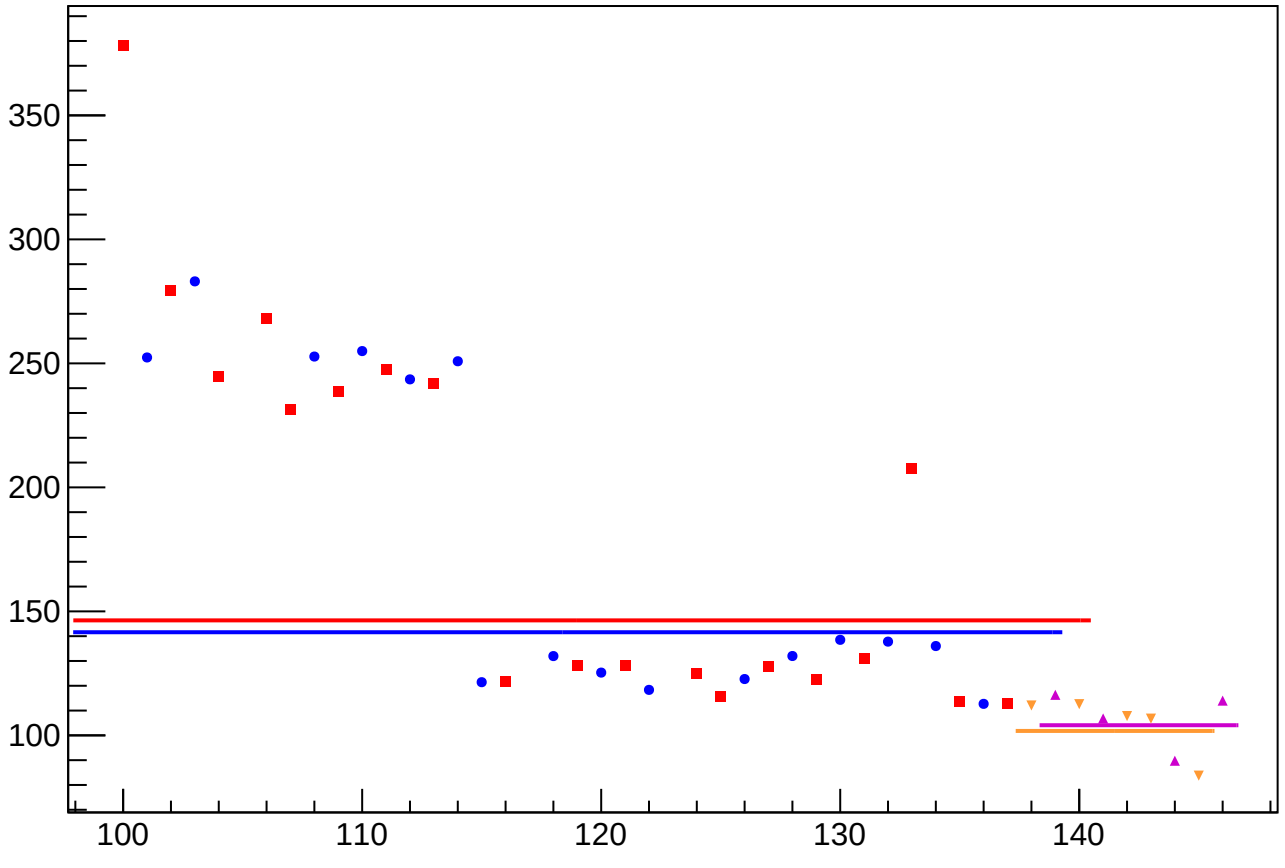
Left: 61.690+/-39.321 χ^2/NDF: 6.4/8

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 69.030+/-39.878 χ^2/NDF:22.0/19

Out: 52.806+/-39.239 χ^2/NDF:23.6/23

All: 60.787+/-27.969 χ^2/NDF: 45.7/43



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 101.788+/-0.038 χ^2/NDF:103525.1/4

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 104.090+/-0.040 χ^2/NDF:75489.1/3

Left: 102.873+/-0.028 χ^2/NDF: 180721.7/8

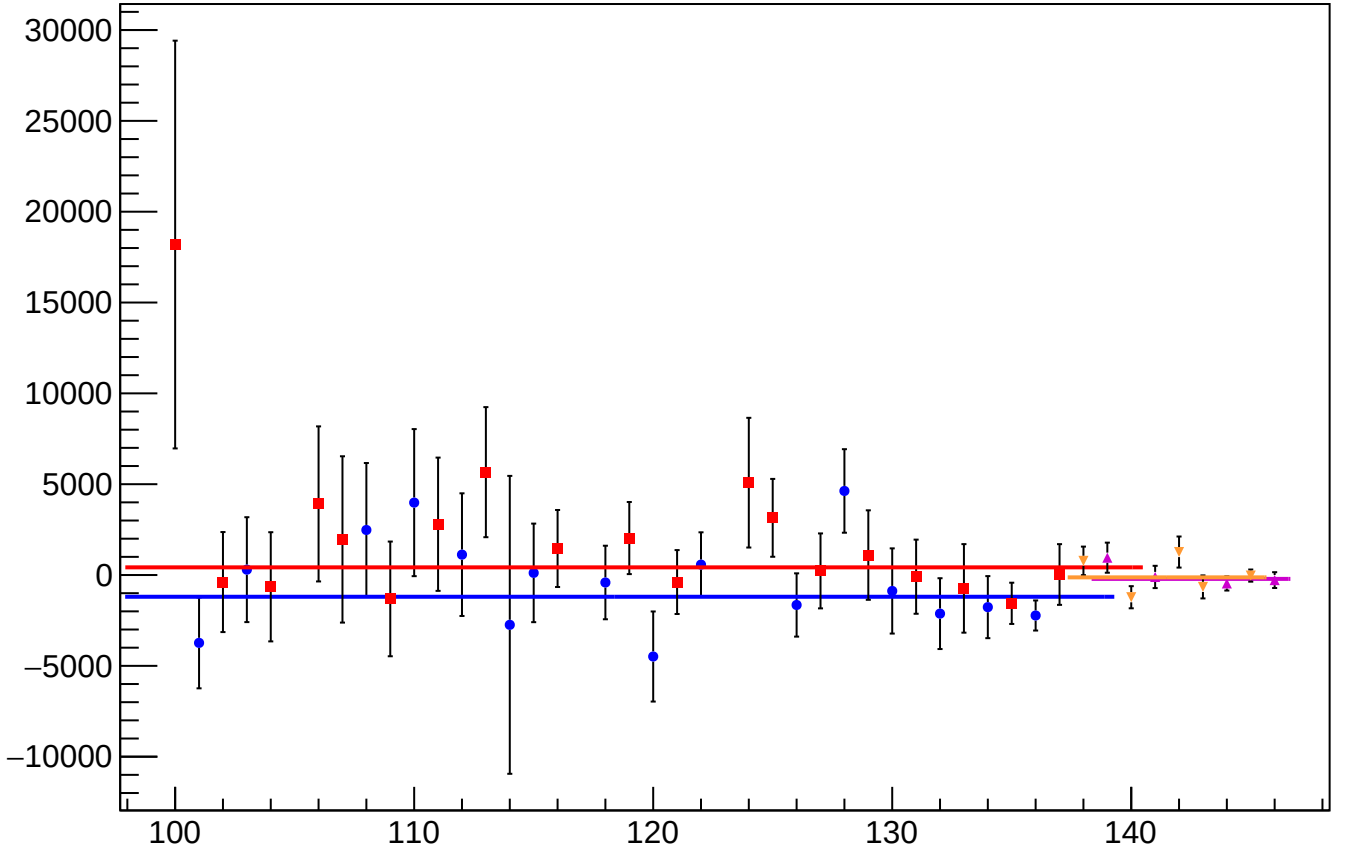
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 123.403+/-0.028 χ^2/NDF:1779486.5/19

Out: 122.903+/-0.028 χ^2/NDF:2260758.9/23

All: 123.149+/-0.020 χ^2/NDF: 4040405.1/43

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: -128.992+/-241.585 χ^2/NDF:8.0/4

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -212.931+/-250.467 χ^2/NDF:2.5/3

Left: -169.447+/-173.881 χ^2/NDF: 10.5/8

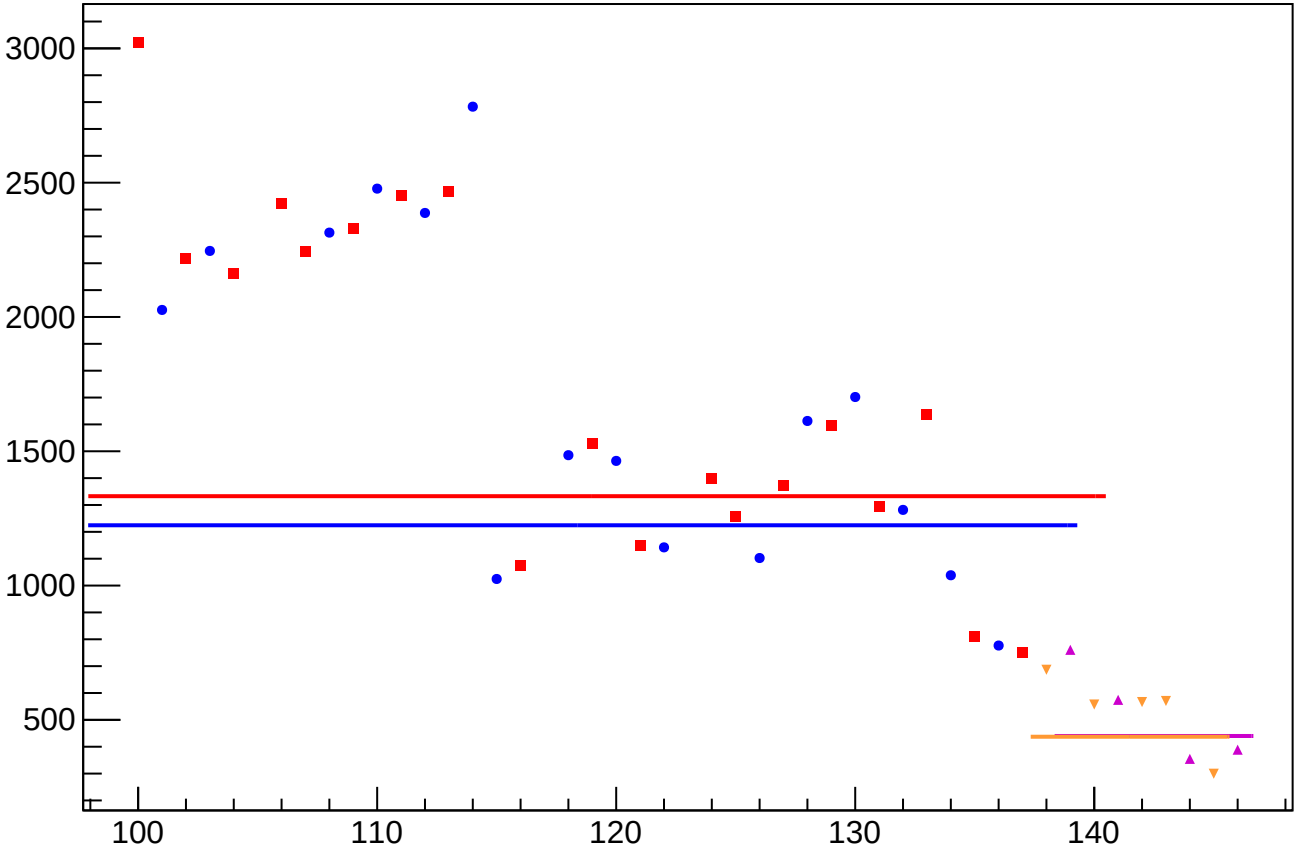
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -415.806+/-223.150 χ^2/NDF:21.6/19

Out: -32.326+/-219.379 χ^2/NDF:23.2/23

All: -220.798+/-156.440 χ^2/NDF: 46.3/43

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 437.197+/-0.171 χ^2/NDF:752952.7/4

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 439.966+/-0.177 χ^2/NDF:519030.8/3

Left: 438.531+/-0.123 χ^2/NDF: 1272110.2/8

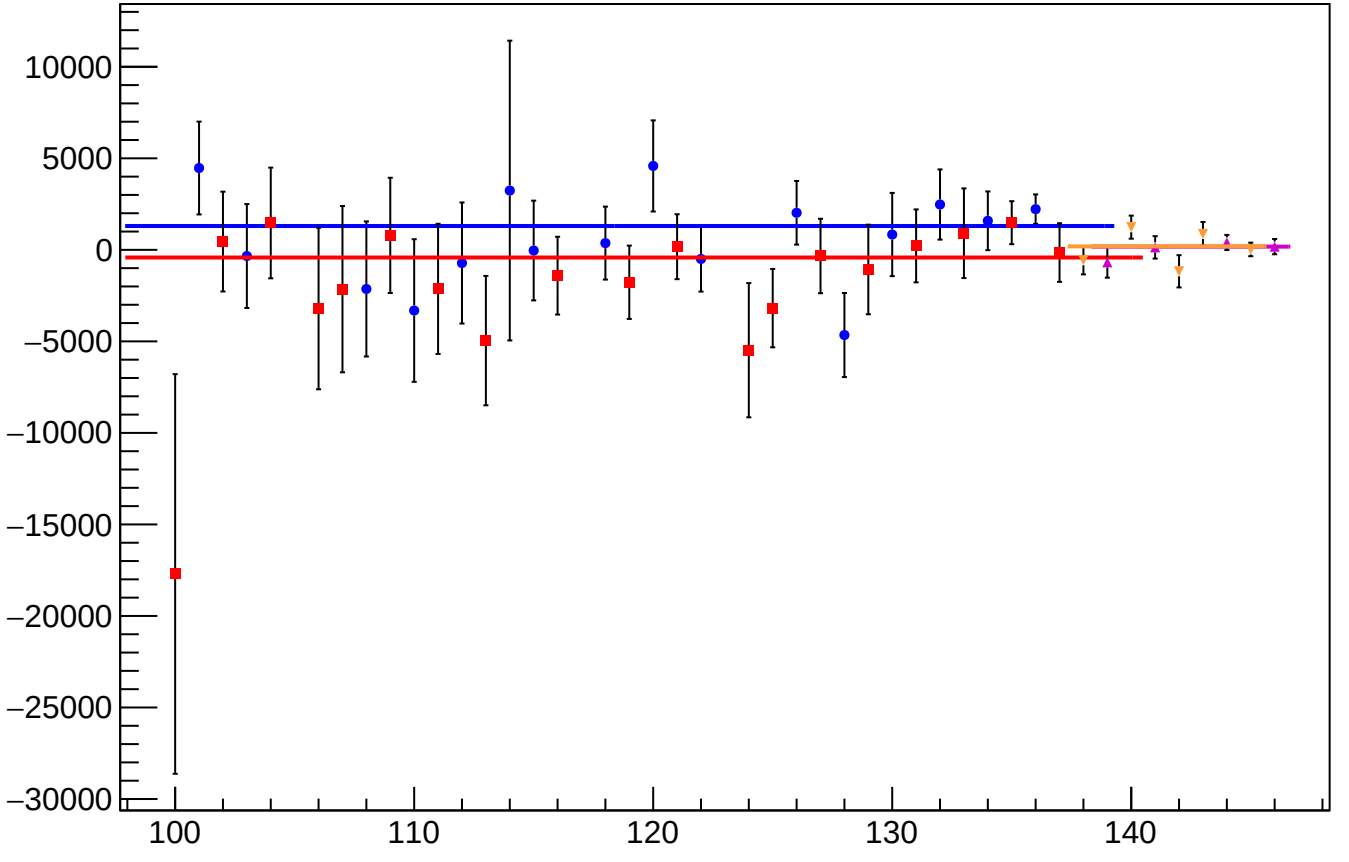
Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 601.755+/-0.158 χ^2/NDF:6524809.9/19

Out: 594.273+/-0.155 χ^2/NDF:7568432.8/23

All: 597.950+/-0.111 χ^2/NDF: 14094386.1/43

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 190.396+/-257.436 χ^2/NDF:7.4/4

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 176.127+/-252.265 χ^2/NDF:1.4/3

Left: 183.117+/-180.178 χ^2/NDF: 8.8/8

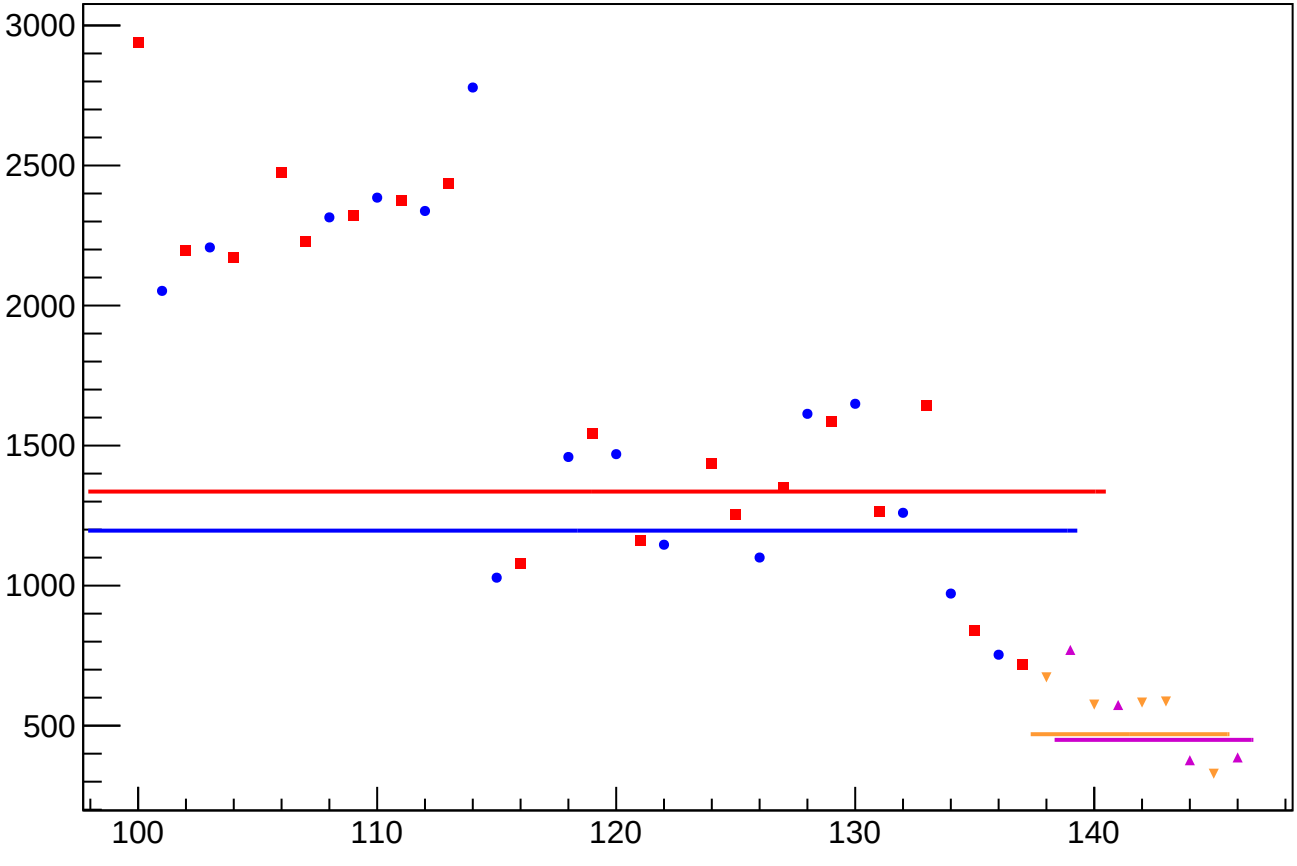
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 418.163+/-223.500 χ^2/NDF:22.1/19

Out: 72.234+/-231.101 χ^2/NDF:21.5/23

All: 250.981+/-160.658 χ^2/NDF: 44.8/43

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 469.503+/-0.182 χ^2/NDF:580183.4/4

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 449.315+/-0.178 χ^2/NDF:483193.8/3

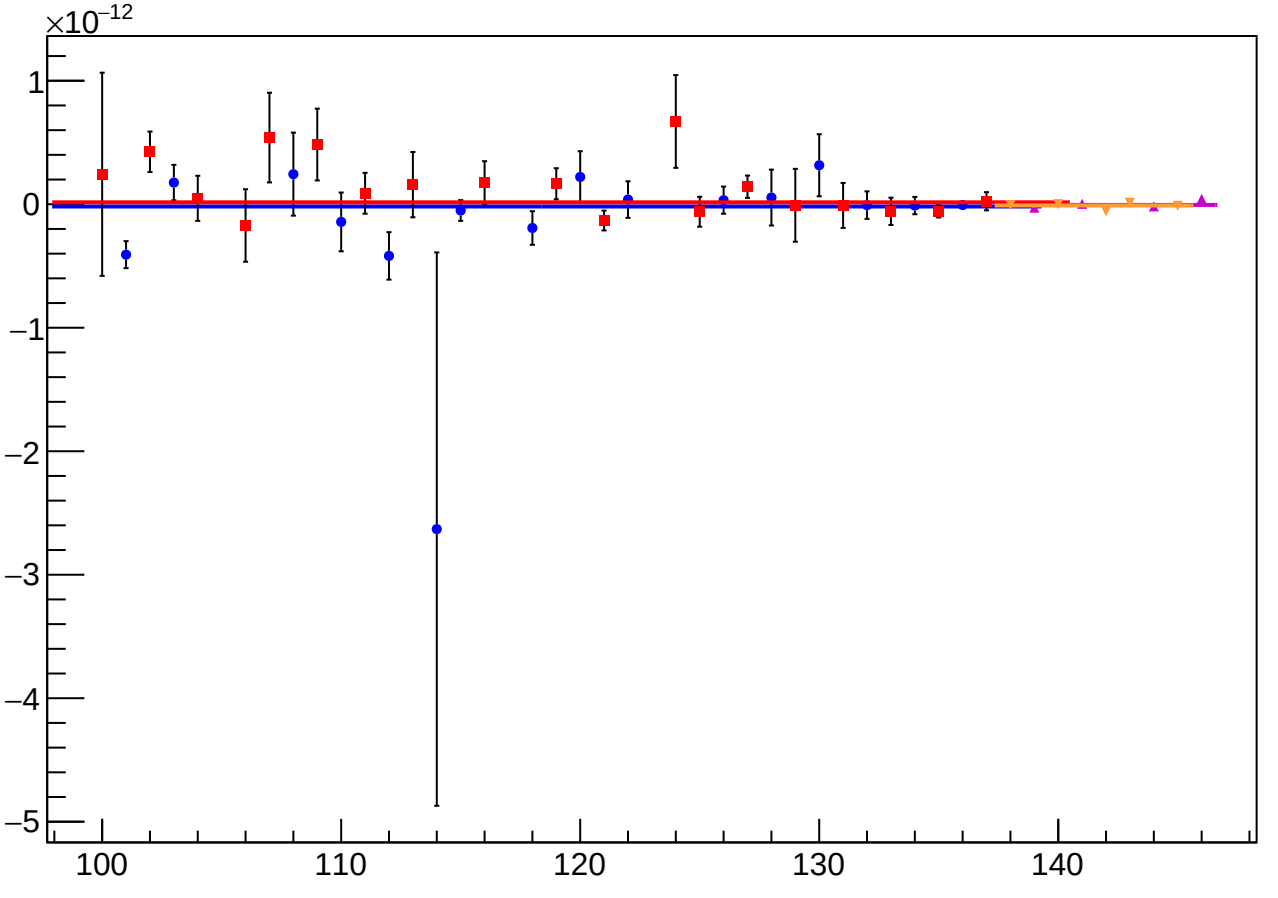
Left: 459.204+/-0.127 χ^2/NDF: 1069651.7/8

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 609.964+/-0.158 χ^2/NDF:6286619.5/19

Out: 637.677+/-0.163 χ^2/NDF:6928313.8/23

All: 623.357+/-0.114 χ^2/NDF: 13229794.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/3

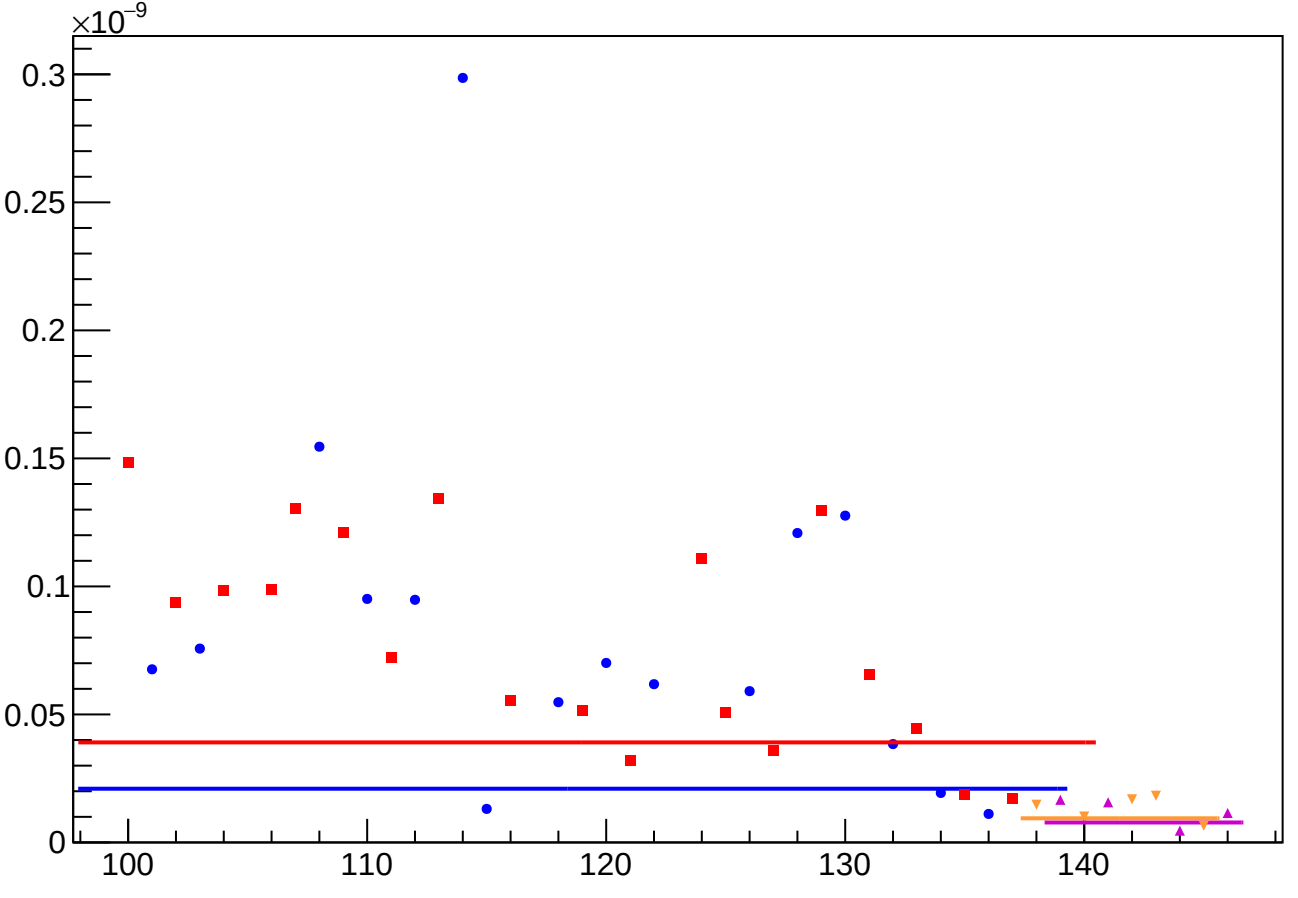
Left: -0.000+/-0.000 χ^2/NDF: 12.4/8

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:36.8/19

Out: -0.000+/-0.000 χ^2/NDF:29.1/23

All: -0.000+/-0.000 χ^2/NDF: 65.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:498417.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:706238.9/3

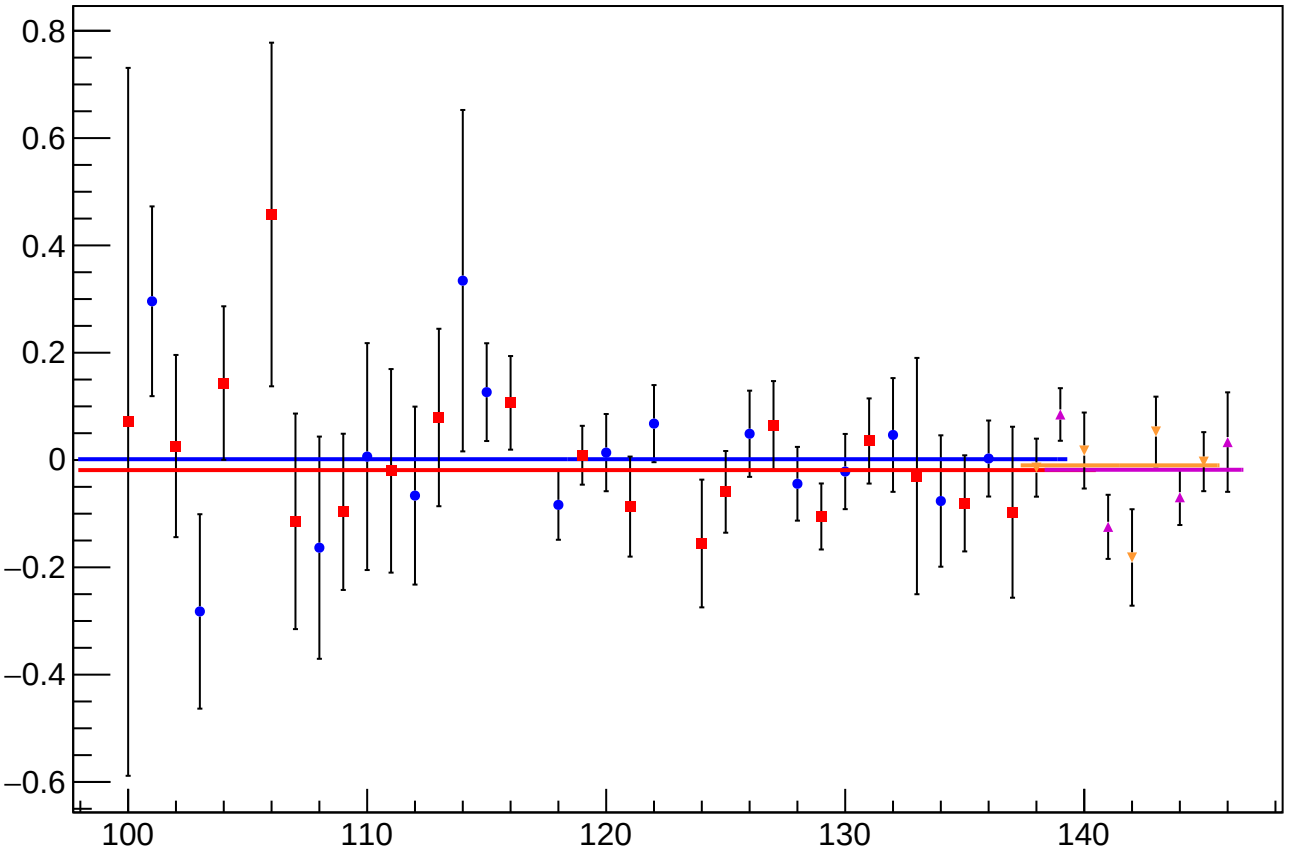
Left: 0.000+/-0.000 χ^2/NDF: 1247557.3/8

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5010638.4/19

Out: 0.000+/-0.000 χ^2/NDF:4701097.0/23

All: 0.000+/-0.000 χ^2/NDF: 9776347.8/43



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.010+/-0.028 χ^2/NDF:4.8/4

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.018+/-0.029 χ^2/NDF:8.9/3

Left: -0.014+/-0.020 χ^2/NDF: 13.7/8

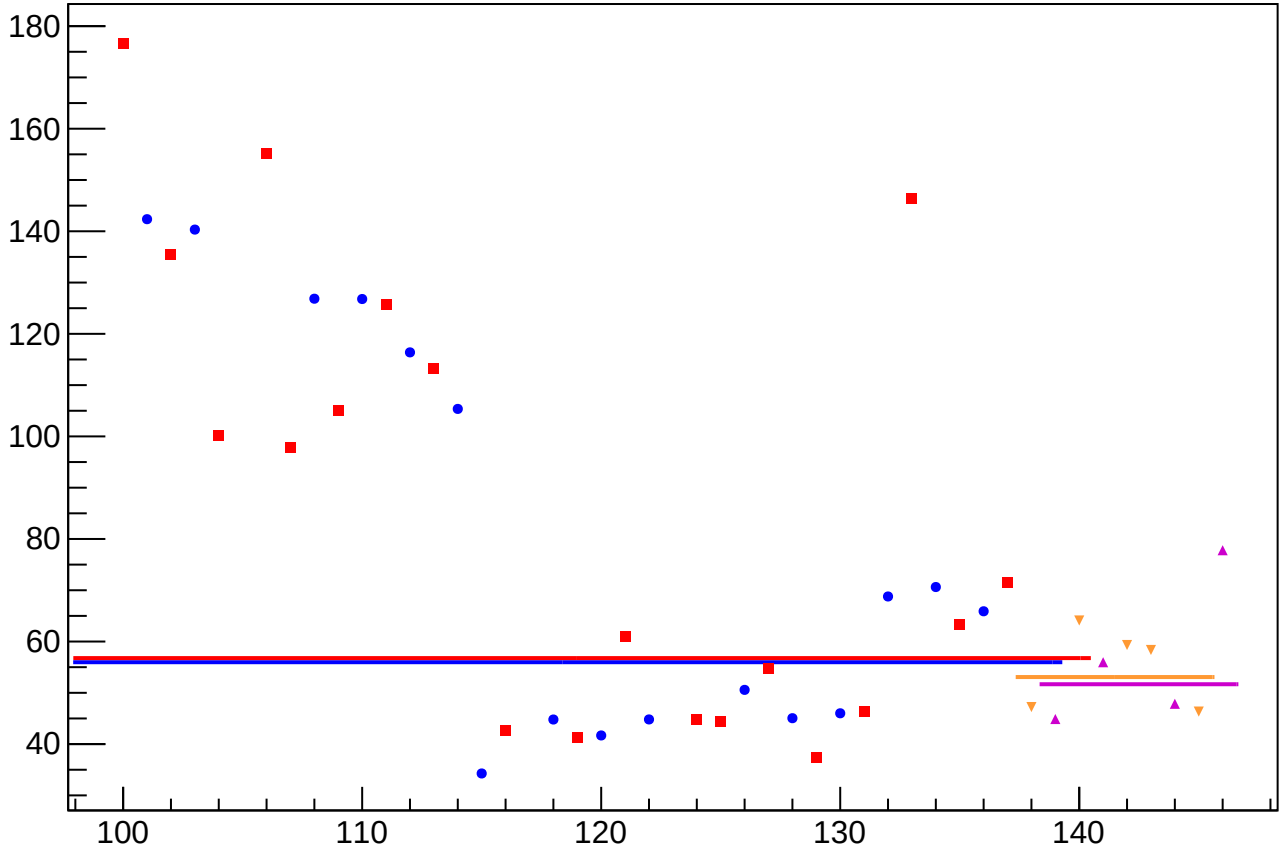
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.018 χ^2/NDF:22.2/19

Out: -0.015+/-0.018 χ^2/NDF:17.9/23

All: -0.011+/-0.013 χ^2/NDF: 40.3/43

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: 53.074+/-0.020 χ^2/NDF:124763.3/4

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 51.673+/-0.021 χ^2/NDF:218229.3/3

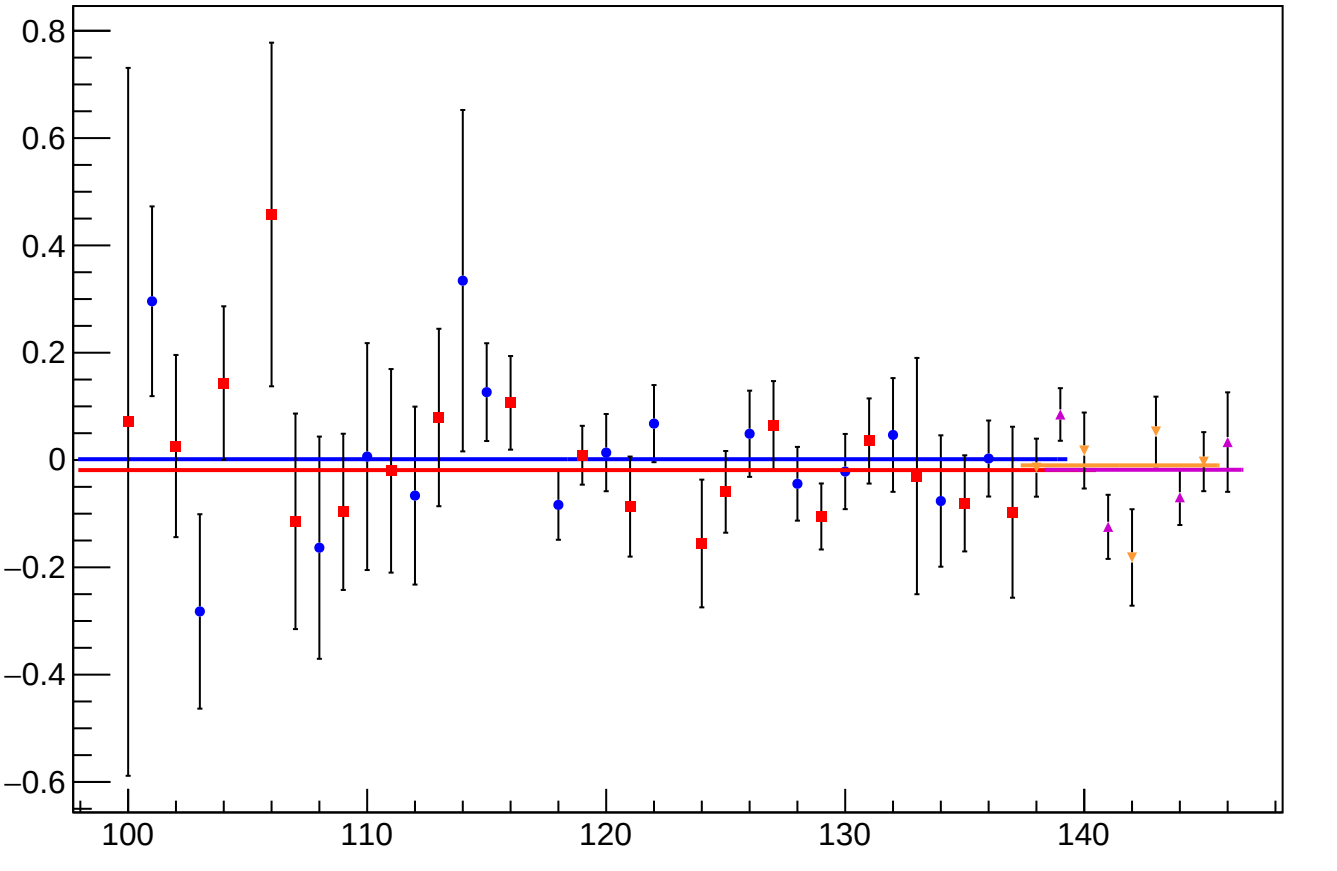
Left: 52.388+/-0.014 χ^2/NDF: 345364.7/8

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

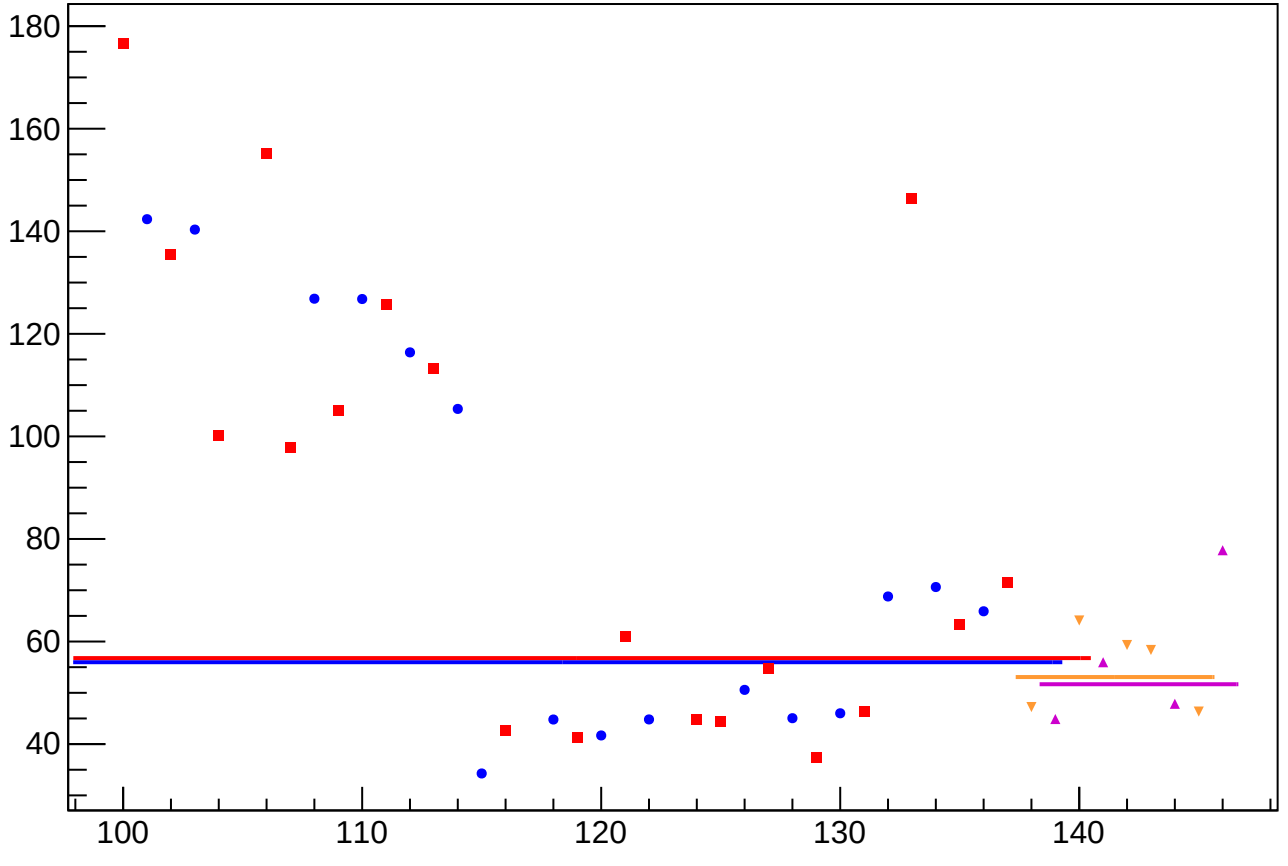
In: 54.276+/-0.013 χ^2/NDF:2424561.2/19

Out: 55.272+/-0.013 χ^2/NDF:2698012.0/23

All: 54.777+/-0.009 χ^2/NDF: 5125572.7/43


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: -0.010+/-0.028 χ²/NDF:4.8/4
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.018+/-0.029 χ²/NDF:8.9/3
Left: -0.014+/-0.020 χ²/NDF: 13.7/8
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: -0.006+/-0.018 χ²/NDF:22.2/19
Out: -0.015+/-0.018 χ²/NDF:17.9/23
All: -0.011+/-0.013 χ²/NDF: 40.3/43

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: 53.074+/-0.020 χ^2/NDF:124763.3/4

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 51.673+/-0.021 χ^2/NDF:218229.3/3

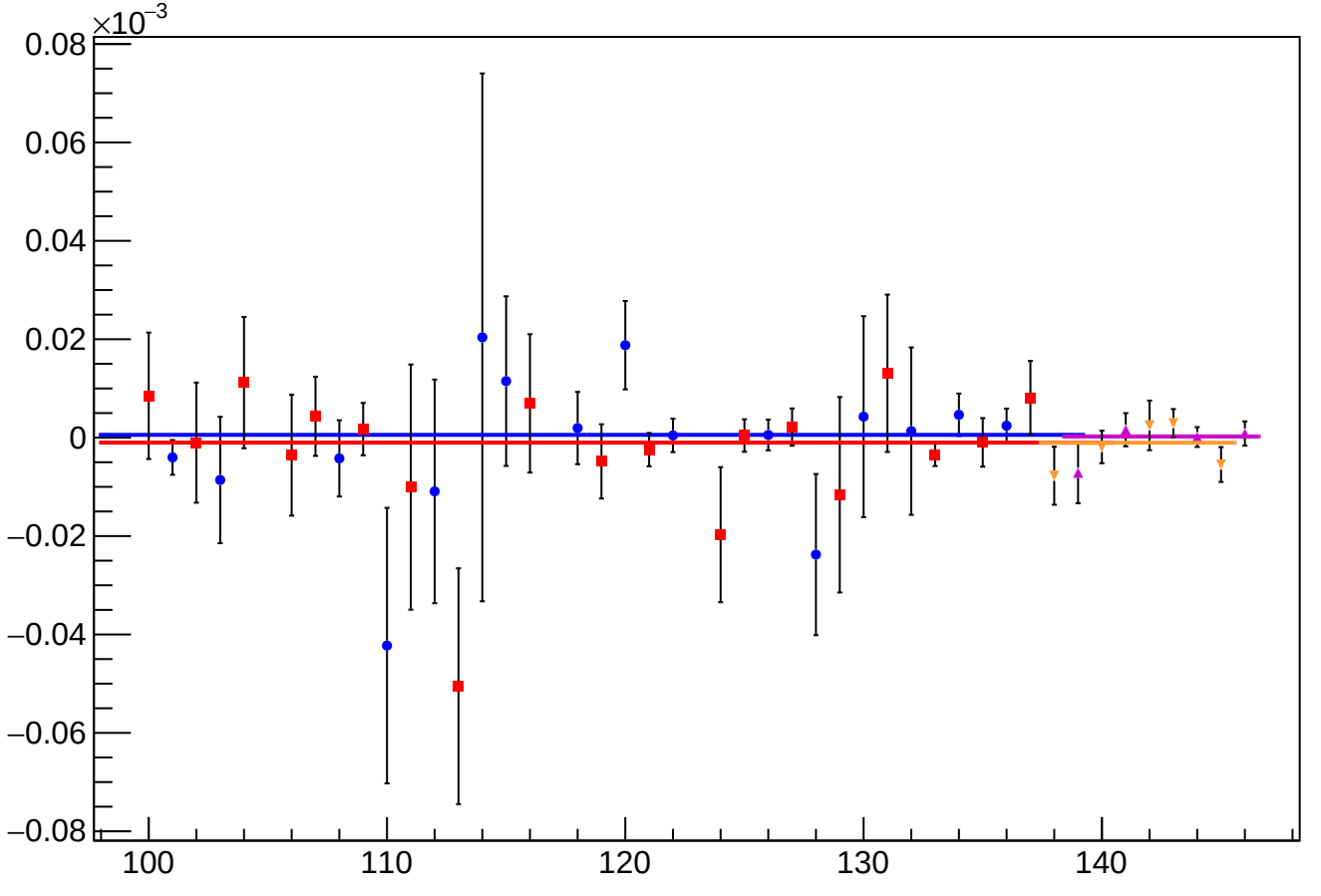
Left: 52.388+/-0.014 χ^2/NDF: 345364.7/8

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.276+/-0.013 χ^2/NDF:2424561.2/19

Out: 55.272+/-0.013 χ^2/NDF:2698012.0/23

All: 54.777+/-0.009 χ^2/NDF: 5125572.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

Left: -0.000+/-0.000 χ^2/NDF: 7.4/8

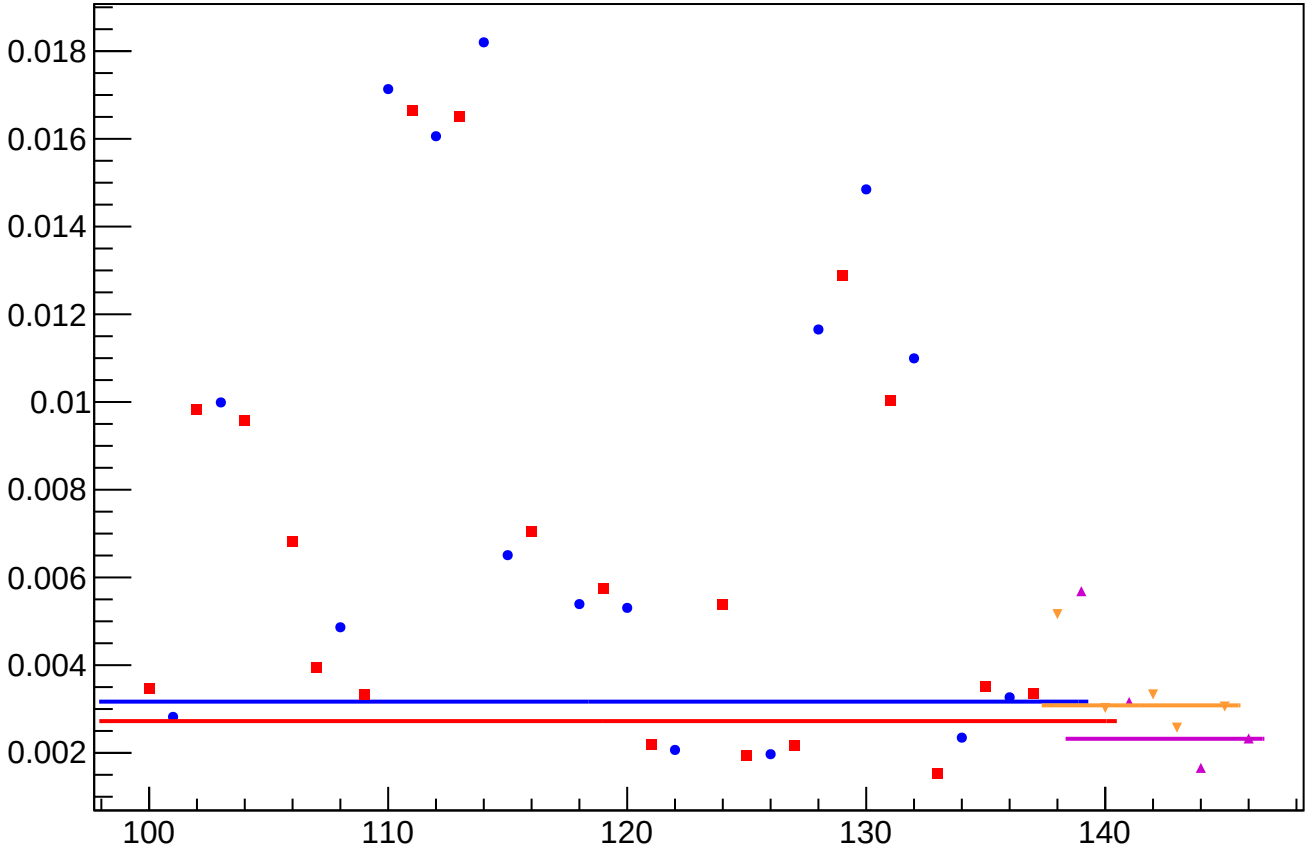
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:15.0/19

Out: -0.000+/-0.000 χ^2/NDF:19.2/23

All: -0.000+/-0.000 χ^2/NDF: 35.1/43

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:318089.9/4

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.002+/-0.000 χ^2/NDF:932449.3/3

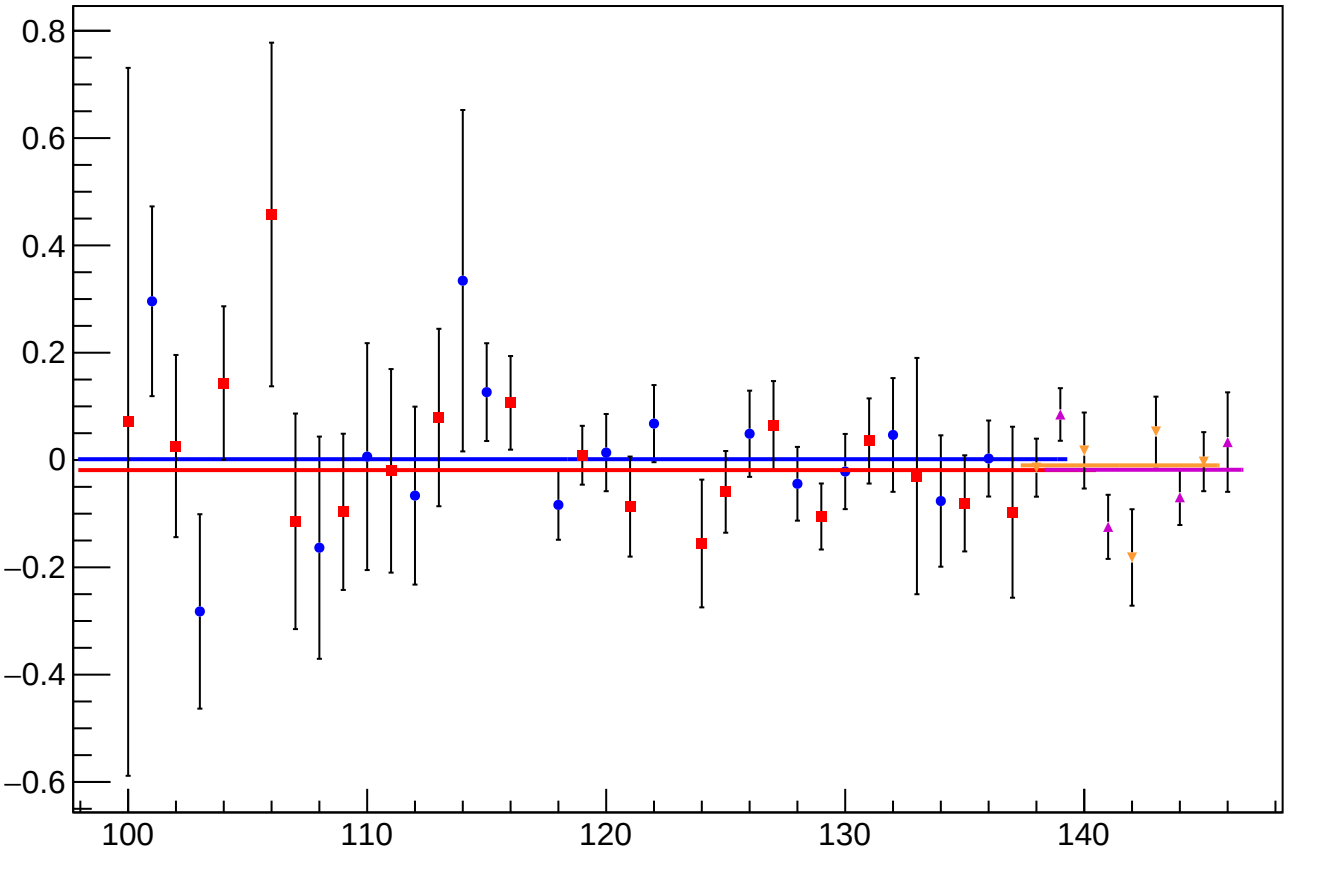
Left: 0.003+/-0.000 χ^2/NDF: 1498922.2/8

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:5836247.0/19

Out: 0.003+/-0.000 χ^2/NDF:5530014.8/23

All: 0.003+/-0.000 χ^2/NDF: 11383498.2/43



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: -0.010+/-0.028 χ^2/NDF:4.8/4

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.018+/-0.029 χ^2/NDF:8.9/3

Left: -0.014+/-0.020 χ^2/NDF: 13.7/8

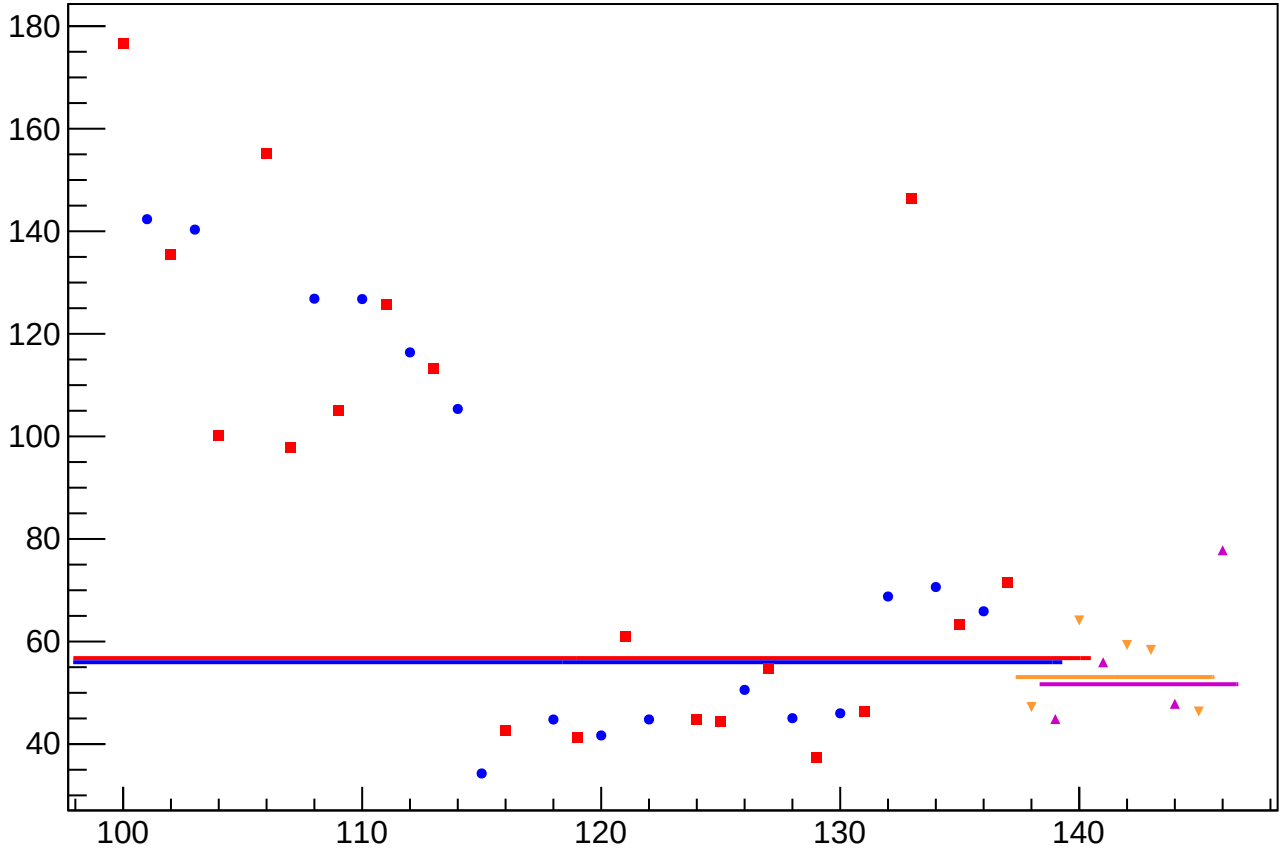
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.018 χ^2/NDF:22.2/19

Out: -0.015+/-0.018 χ^2/NDF:17.9/23

All: -0.011+/-0.013 χ^2/NDF: 40.3/43

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: 53.075+/-0.020 χ^2/NDF:124756.9/4

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 51.674+/-0.021 χ^2/NDF:218226.1/3

Left: 52.388+/-0.014 χ^2/NDF: 345355.0/8

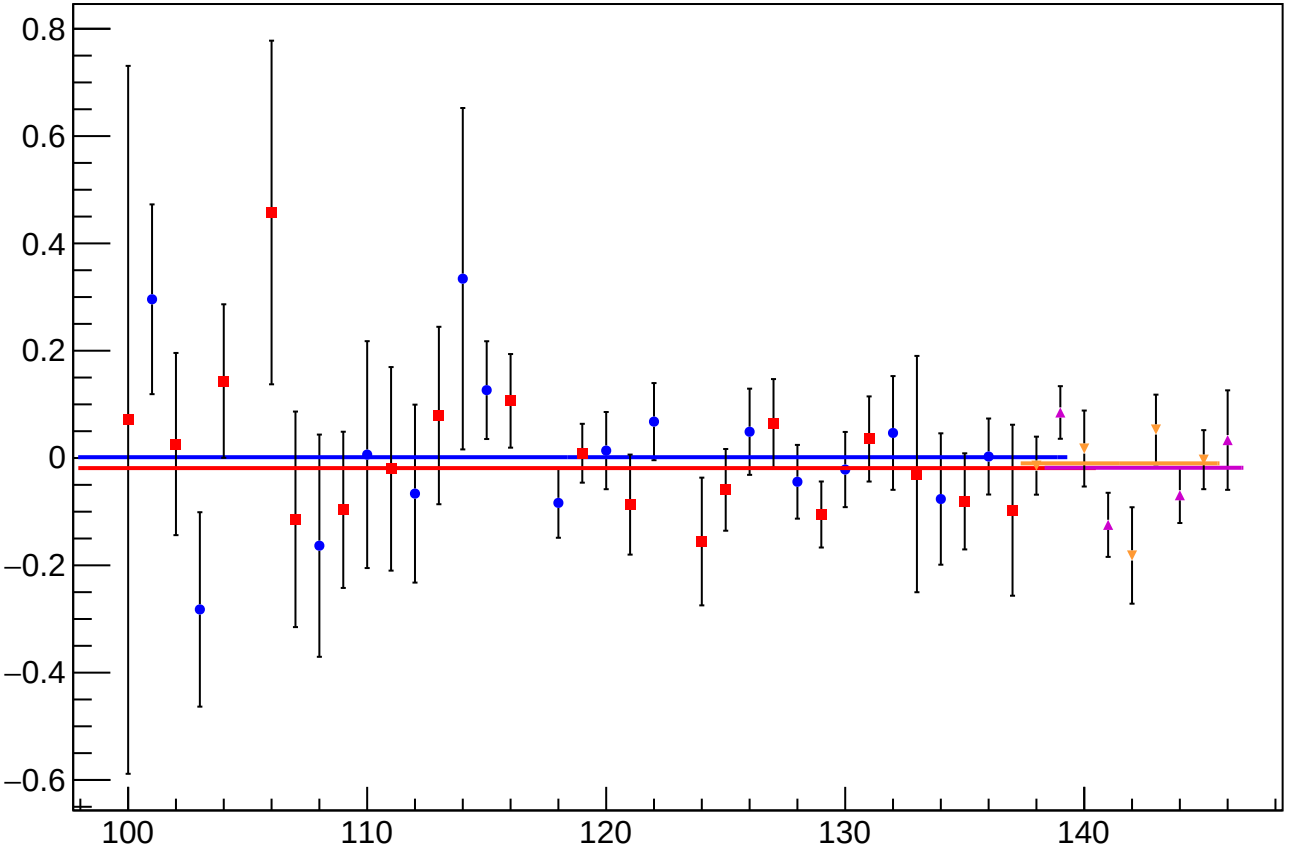
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.277+/-0.013 χ^2/NDF:2424473.1/19

Out: 55.272+/-0.013 χ^2/NDF:2697936.9/23

All: 54.777+/-0.009 χ^2/NDF: 5125408.7/43

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: -0.010+/-0.028 χ^2/NDF:4.8/4

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.018+/-0.029 χ^2/NDF:8.9/3

Left: -0.014+/-0.020 χ^2/NDF: 13.7/8

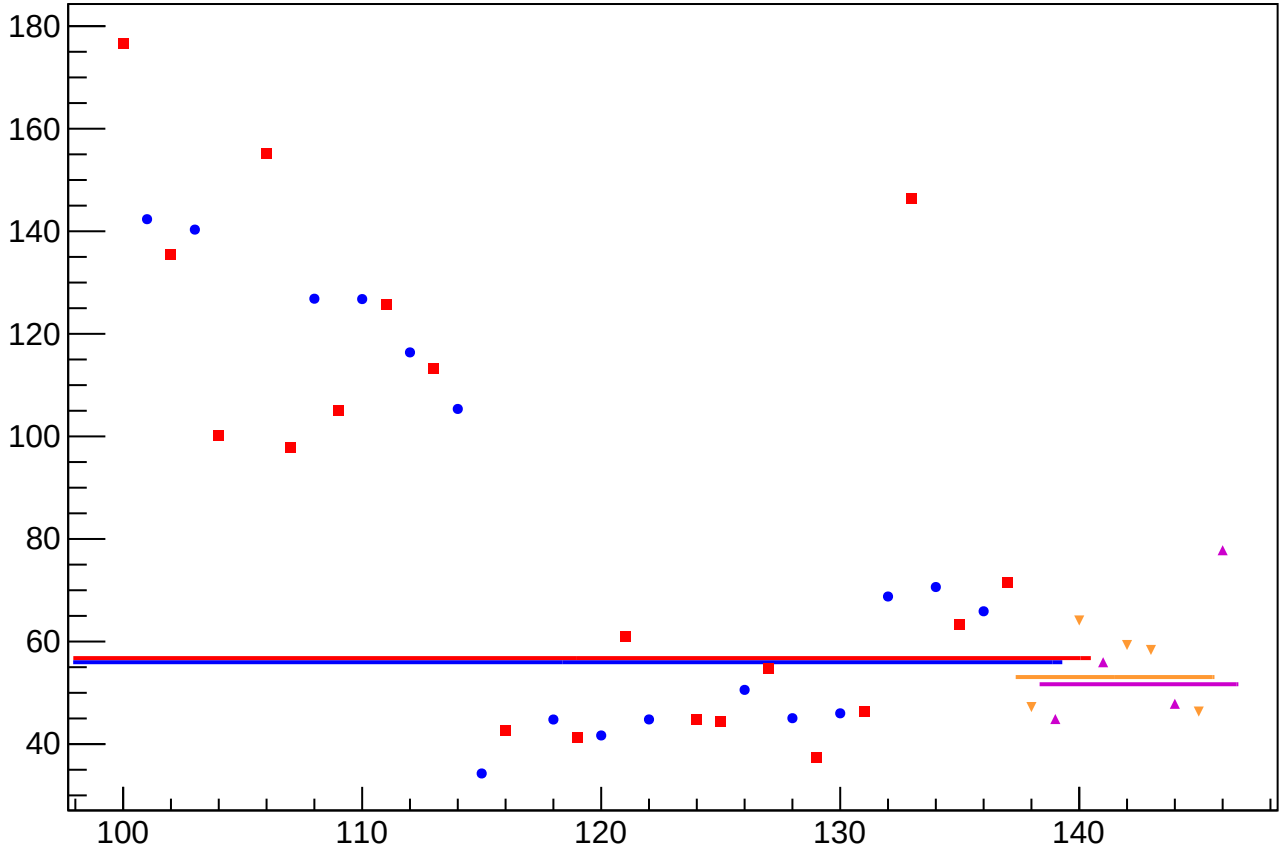
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.018 χ^2/NDF:22.2/19

Out: -0.015+/-0.018 χ^2/NDF:17.9/23

All: -0.011+/-0.013 χ^2/NDF: 40.3/43

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: 53.075+/-0.020 χ^2/NDF:124756.9/4

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 51.674+/-0.021 χ^2/NDF:218226.1/3

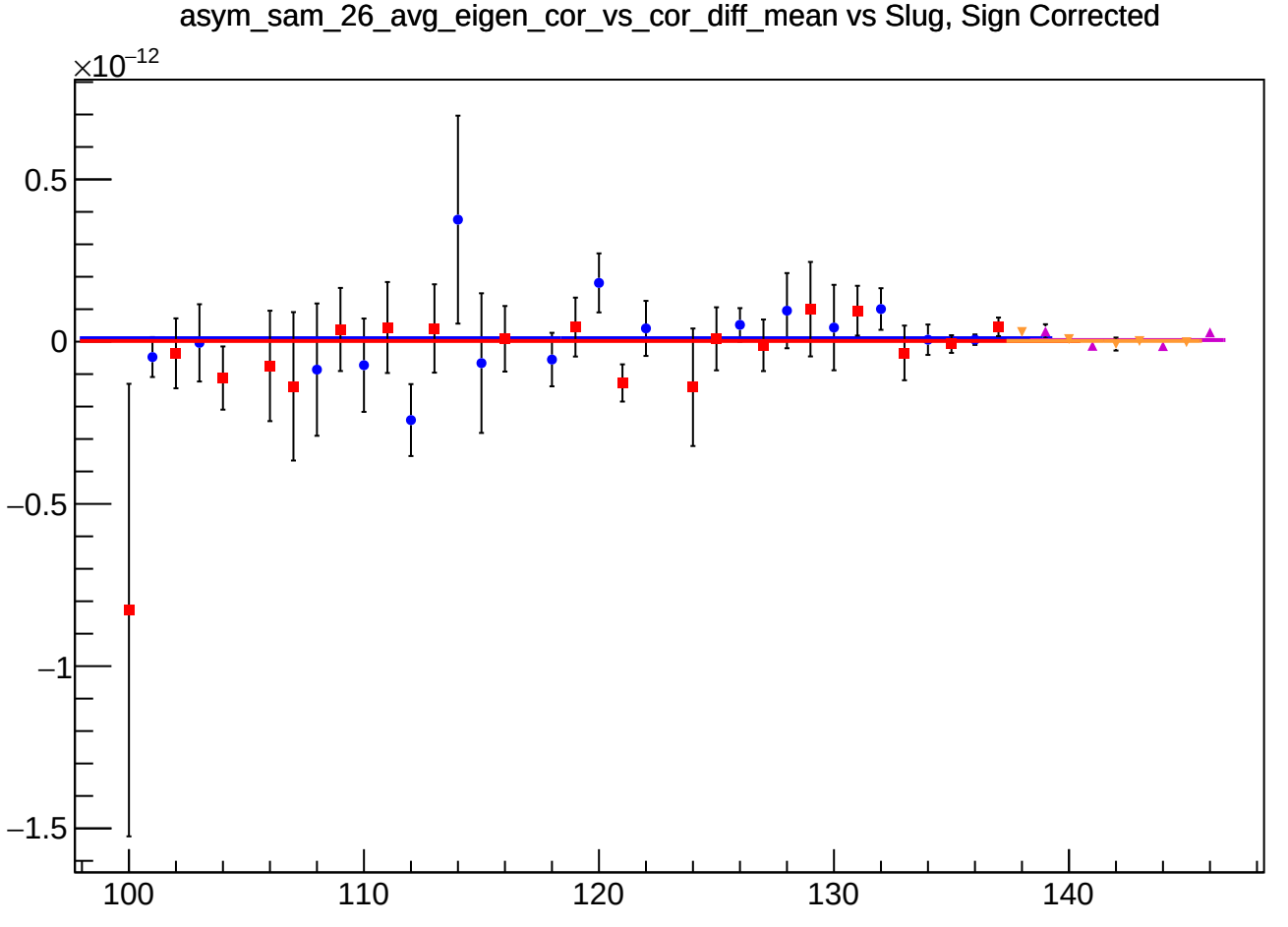
Left: 52.388+/-0.014 χ^2/NDF: 345355.0/8

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.277+/-0.013 χ^2/NDF:2424473.1/19

Out: 55.272+/-0.013 χ^2/NDF:2697936.9/23

All: 54.777+/-0.009 χ^2/NDF: 5125408.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/3

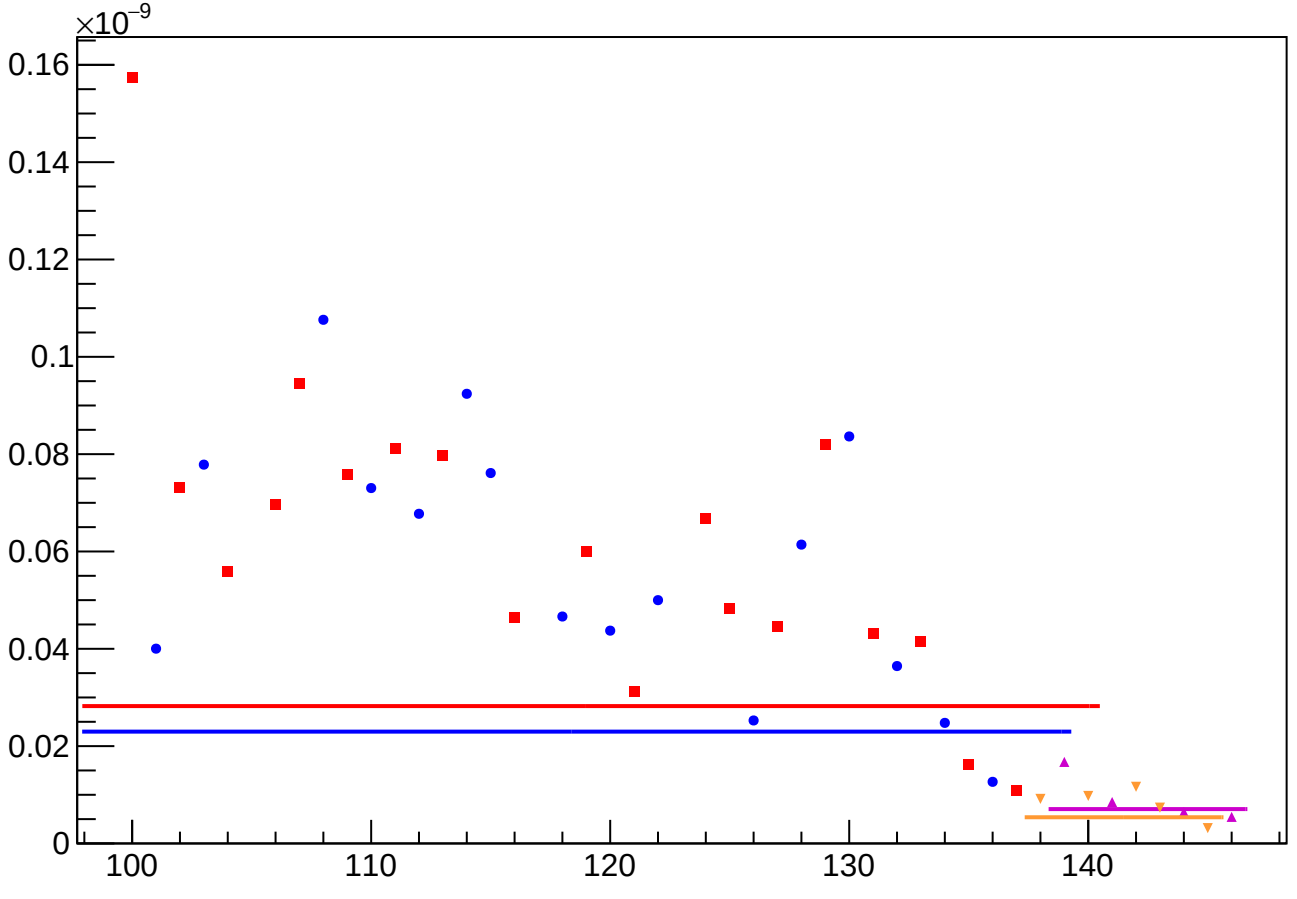
Left: 0.000+/-0.000 χ^2/NDF: 22.4/8

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:32.7/19

Out: 0.000+/-0.000 χ^2/NDF:19.6/23

All: 0.000+/-0.000 χ^2/NDF: 52.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1084490.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:510357.7/3

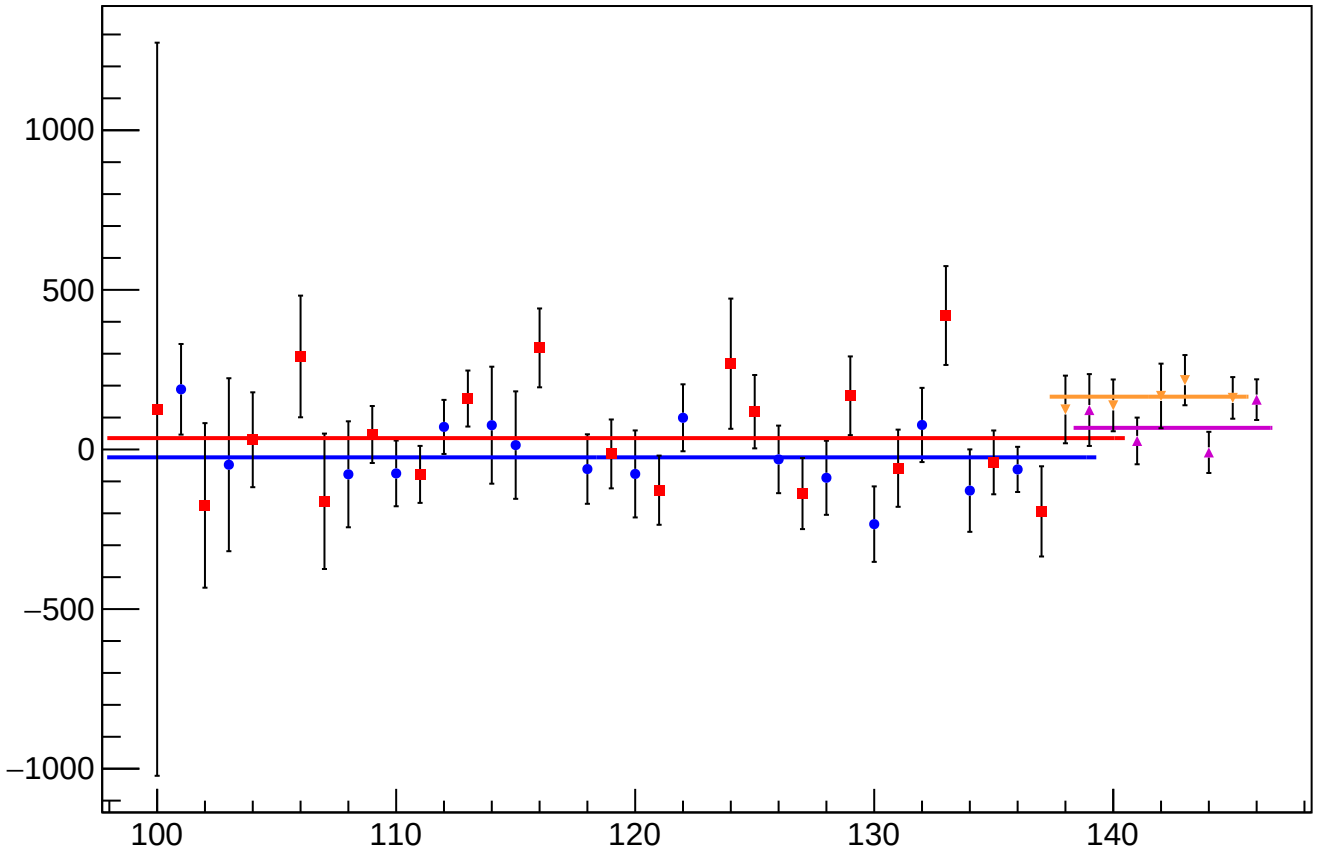
Left: 0.000+/-0.000 χ^2/NDF: 1730124.0/8

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:6856222.9/19

Out: 0.000+/-0.000 χ^2/NDF:8979165.1/23

All: 0.000+/-0.000 χ^2/NDF: 16140249.6/43



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 165.372+/-36.869 χ^2/NDF:0.7/4

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 67.716+/-36.441 χ^2/NDF:3.9/3

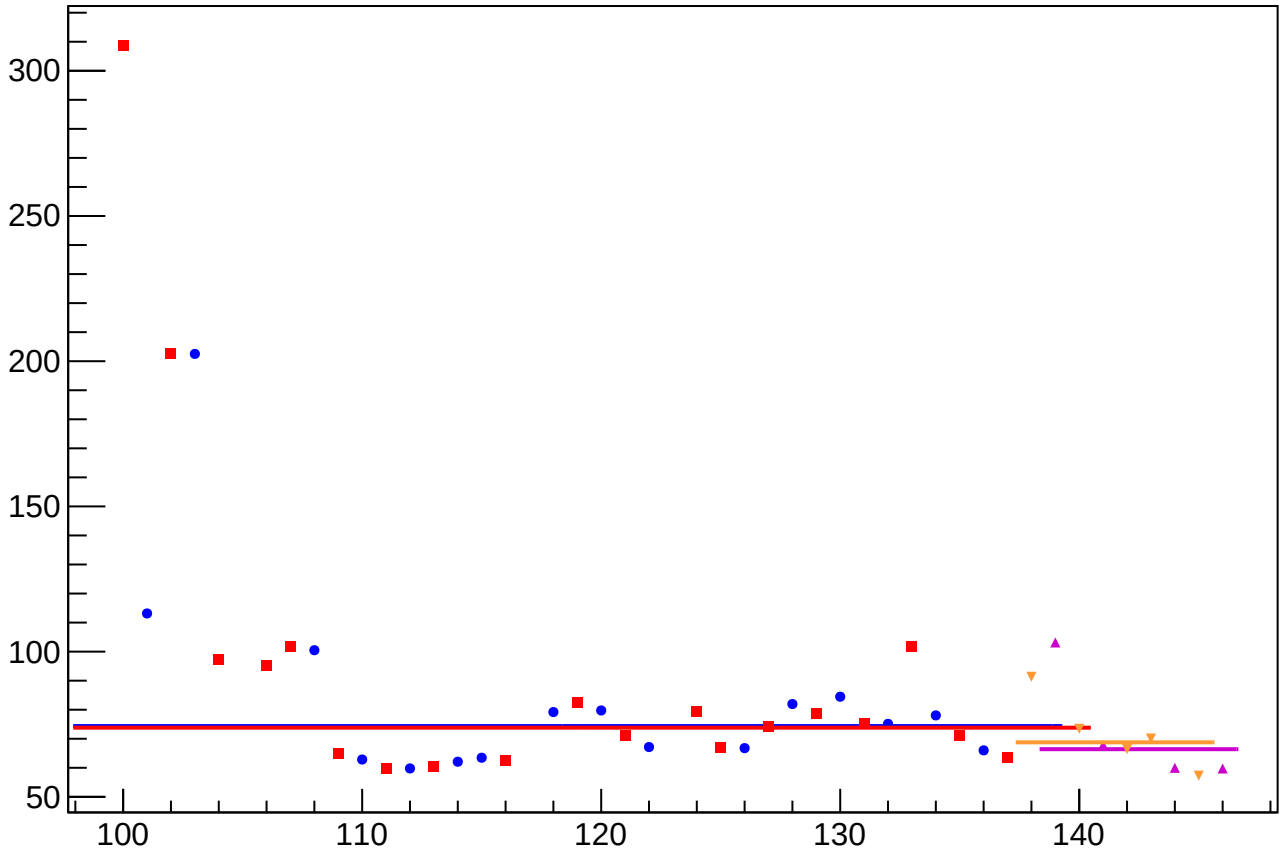
Left: 115.974+/-25.918 χ^2/NDF: 8.1/8

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 11.043+/-22.650 χ^2/NDF:18.9/19

Out: 84.030+/-22.526 χ^2/NDF:38.5/23

All: 47.736+/-15.972 χ^2/NDF: 62.6/43



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 68.768+/-0.026 χ^2/NDF:160808.4/4

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

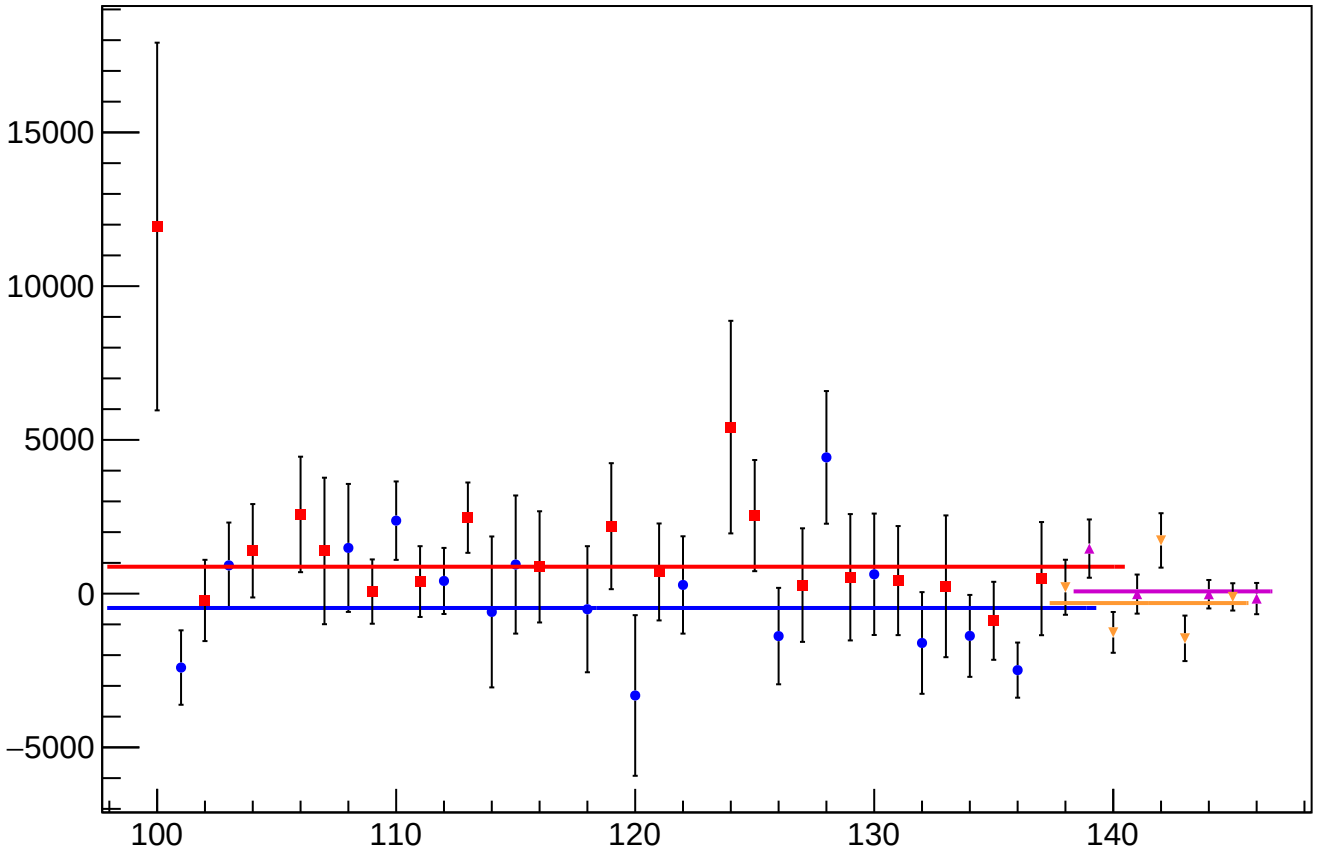
Left: 67.573+/-0.018 χ^2/NDF: 420620.8/8

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 71.293+/-0.016 χ^2/NDF:1141847.3/19

Out: 71.931+/-0.016 χ^2/NDF:1116244.8/23

All: 71.614+/-0.011 χ^2/NDF: 2258890.1/43



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -306.506+/-292.397 χ^2/NDF:10.3/4

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 72.984+/-287.171 χ^2/NDF:2.4/3

Left: -113.339+/-204.883 χ^2/NDF: 13.6/8

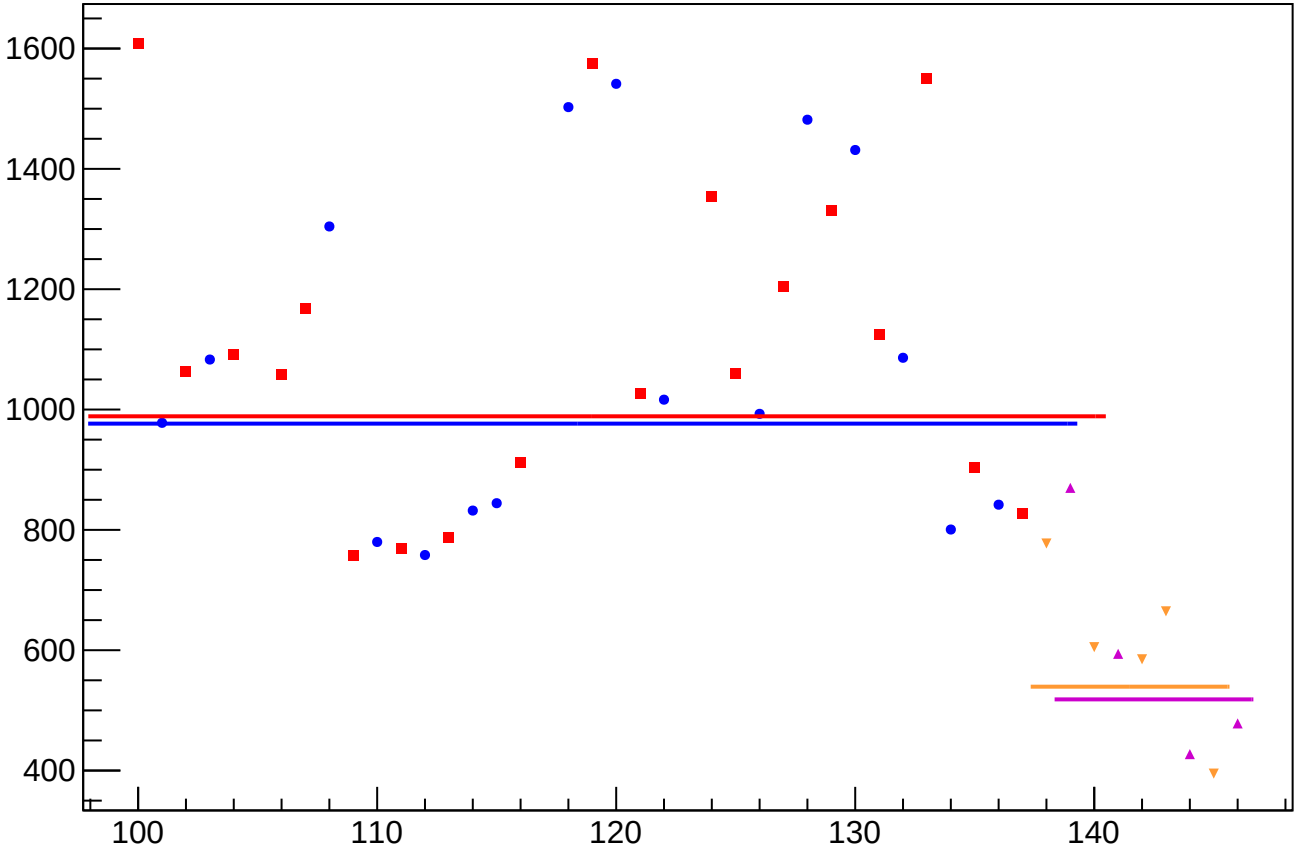
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -126.427+/-228.004 χ^2/NDF:27.4/19

Out: 144.467+/-229.940 χ^2/NDF:29.6/23

All: 7.875+/-161.903 χ^2/NDF: 57.7/43

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: 539.387+/-0.207 χ^2/NDF:435401.9/4

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 518.268+/-0.203 χ^2/NDF:393131.6/3

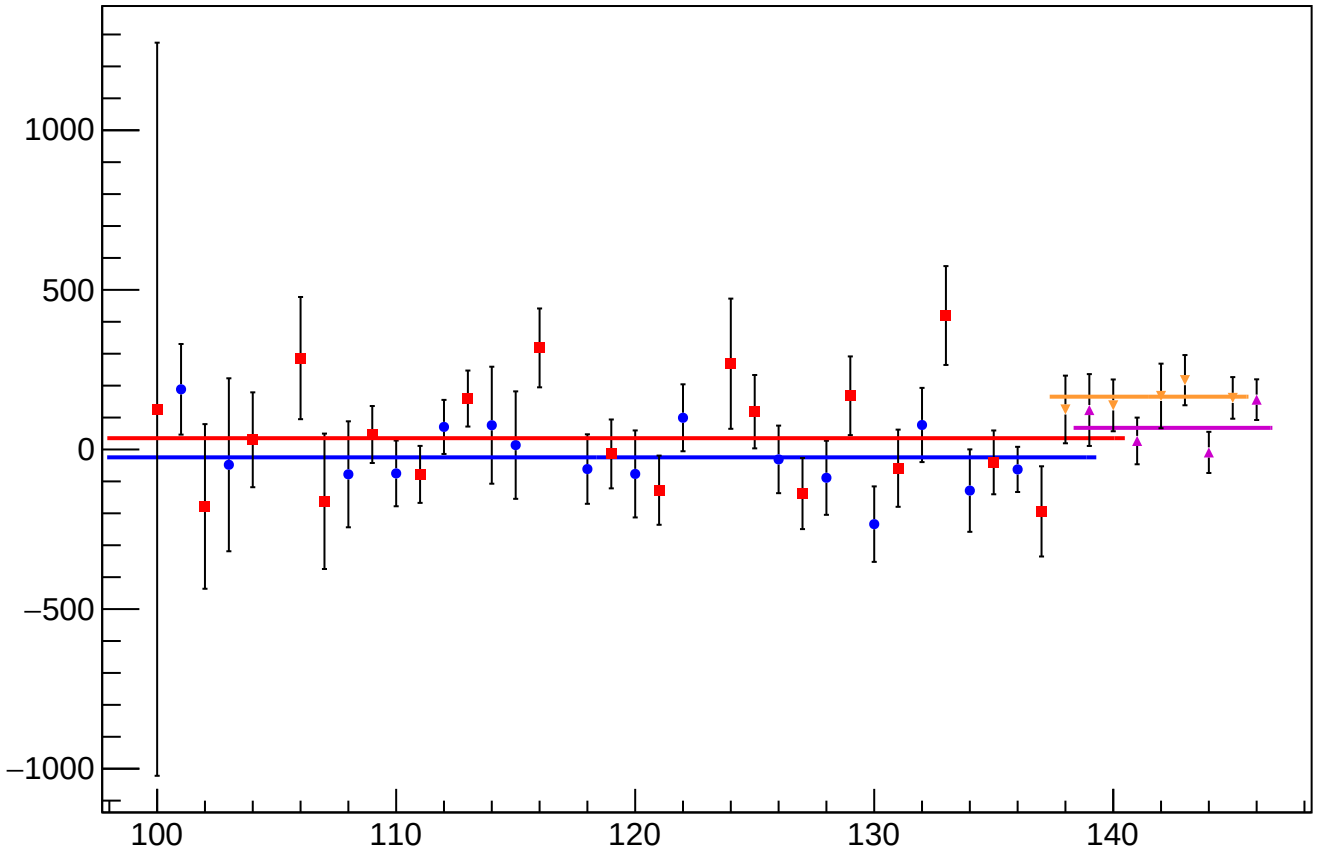
Left: 528.637+/-0.145 χ^2/NDF: 833844.4/8

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 687.669+/-0.161 χ^2/NDF:3012648.2/19

Out: 710.860+/-0.163 χ^2/NDF:2953671.0/23

All: 699.166+/-0.114 χ^2/NDF: 5976577.1/43



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 165.375+/-36.869 χ^2/NDF:0.7/4

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 67.713+/-36.441 χ^2/NDF:3.9/3

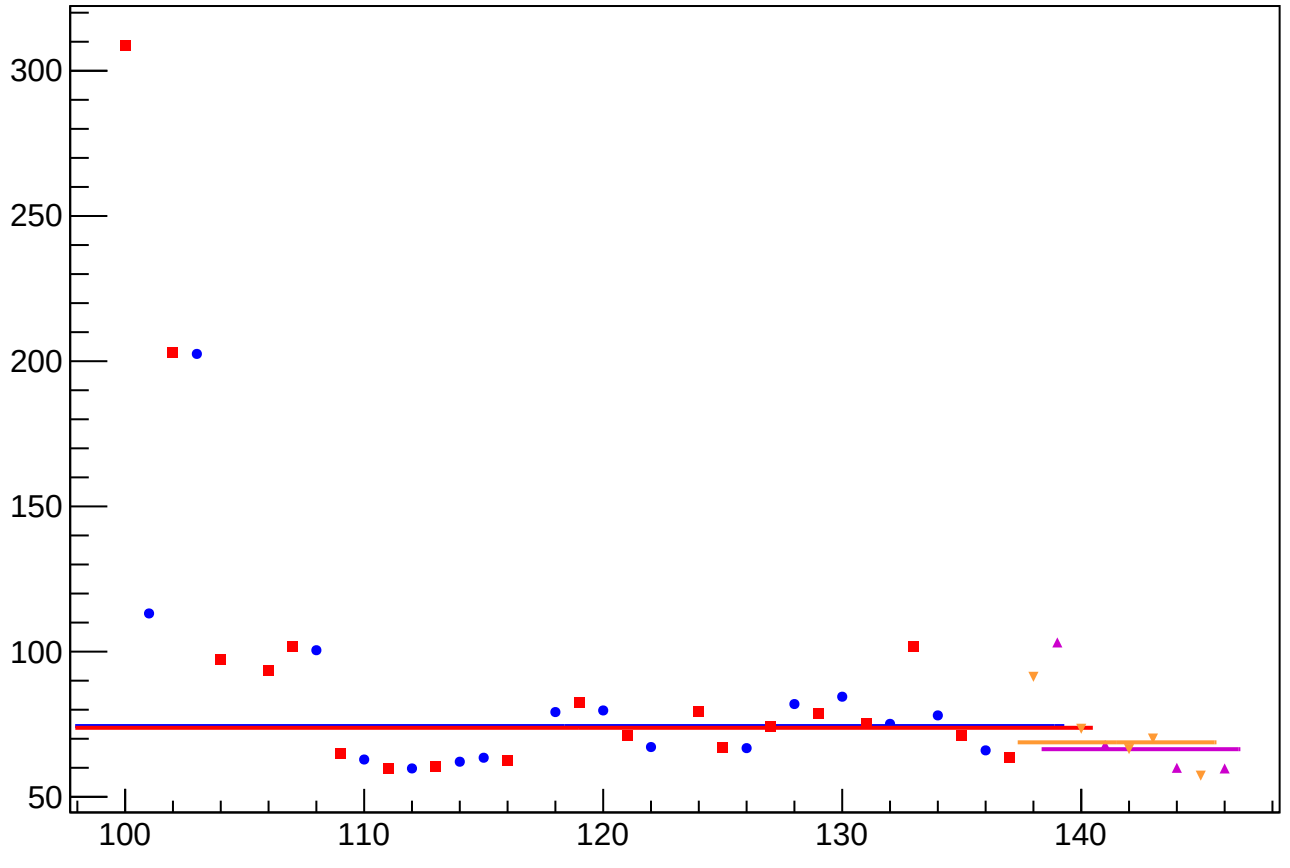
Left: 115.974+/-25.918 χ^2/NDF: 8.1/8

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 11.037+/-22.650 χ^2/NDF:18.9/19

Out: 83.913+/-22.527 χ^2/NDF:38.5/23

All: 47.672+/-15.972 χ^2/NDF: 62.6/43



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 68.768+/-0.026 χ^2/NDF:160808.4/4

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

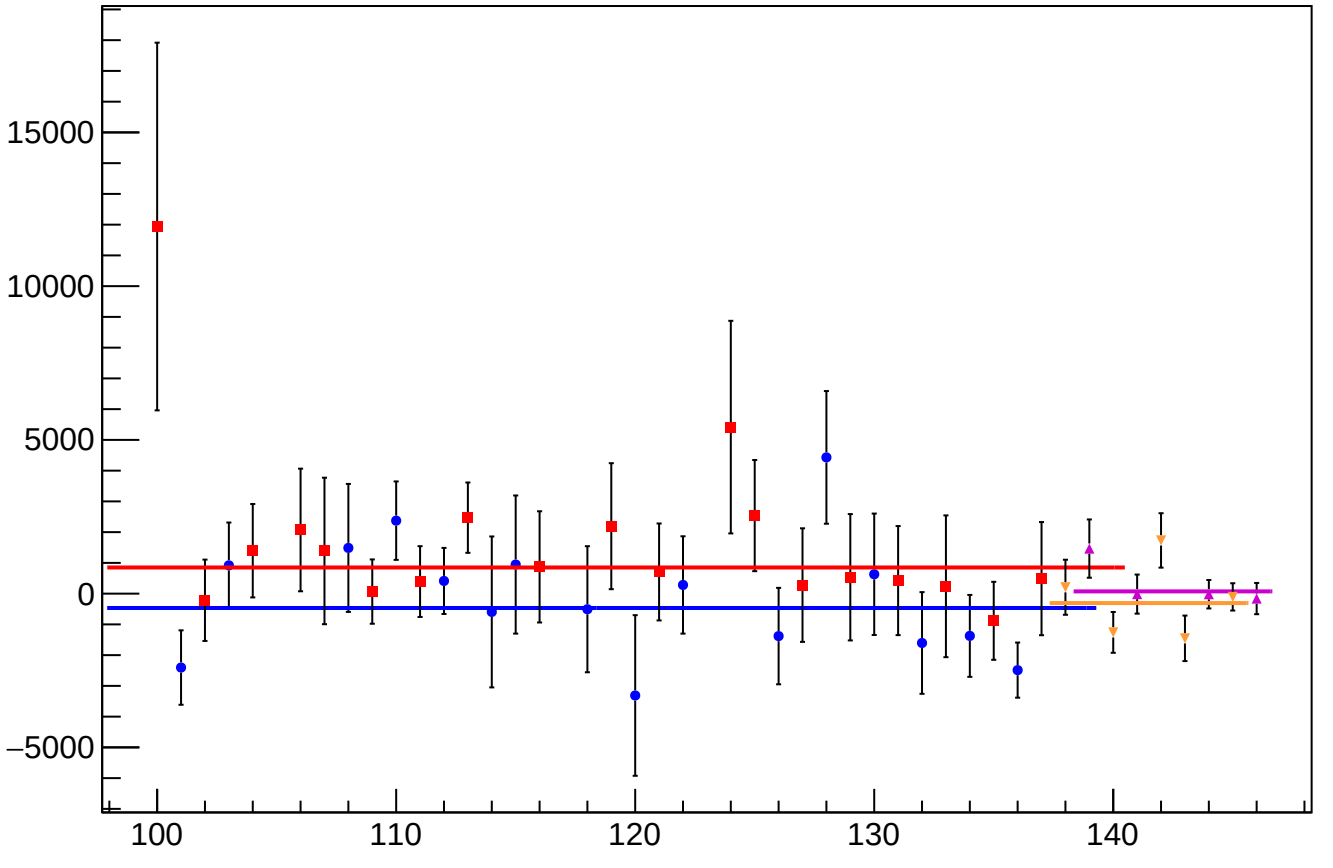
Left: 67.573+/-0.018 χ^2/NDF: 420620.8/8

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 71.293+/-0.016 χ^2/NDF:1141849.3/19

Out: 71.904+/-0.016 χ^2/NDF:1112069.8/23

All: 71.600+/-0.011 χ^2/NDF: 2254652.3/43



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -306.499+/-292.397 χ^2/NDF:10.3/4

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 72.986+/-287.171 χ^2/NDF:2.4/3

Left: -113.335+/-204.883 χ^2/NDF: 13.6/8

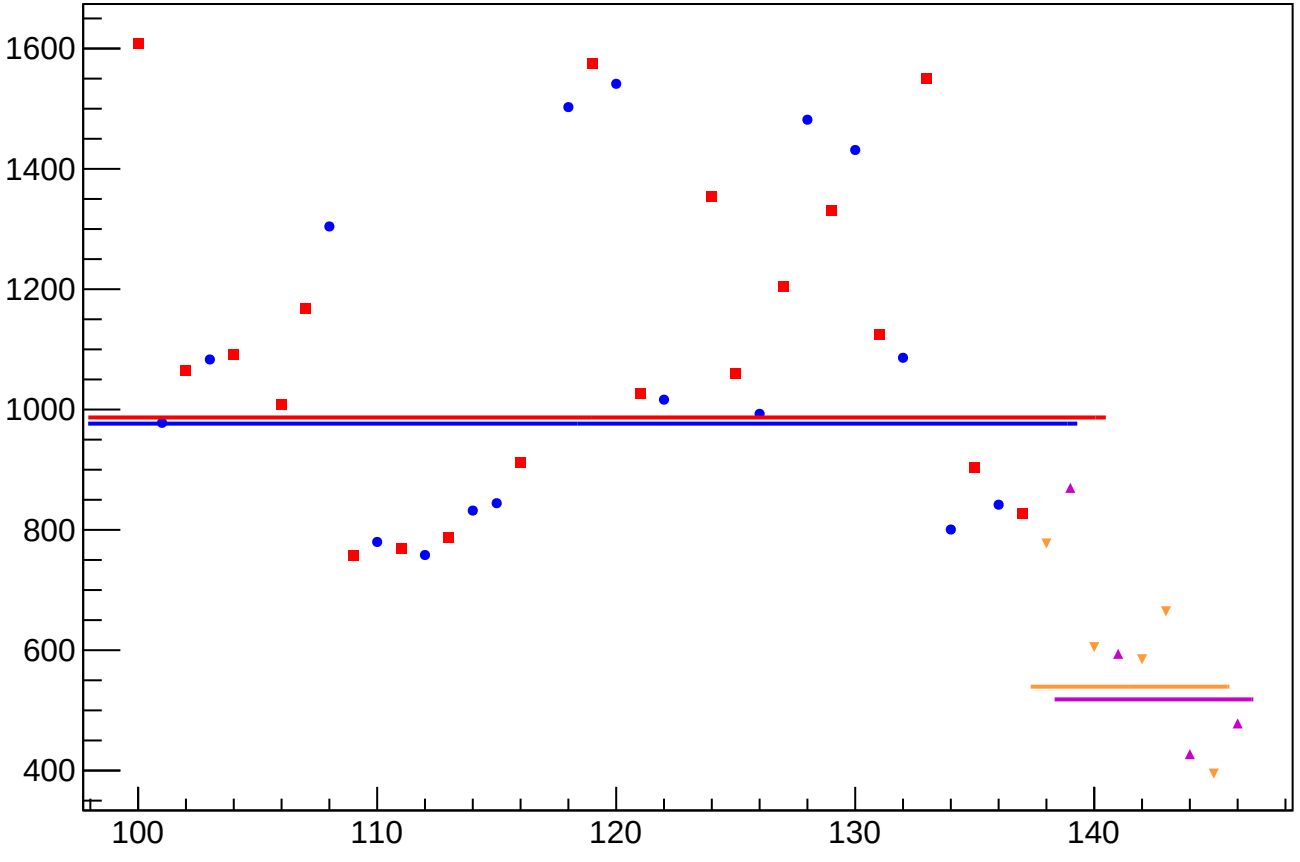
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -126.419+/-228.005 χ^2/NDF:27.4/19

Out: 133.836+/-230.141 χ^2/NDF:28.8/23

All: 2.495+/-161.974 χ^2/NDF: 56.9/43

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: 539.387+/-0.207 χ^2/NDF:435400.4/4

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 518.268+/-0.203 χ^2/NDF:393132.6/3

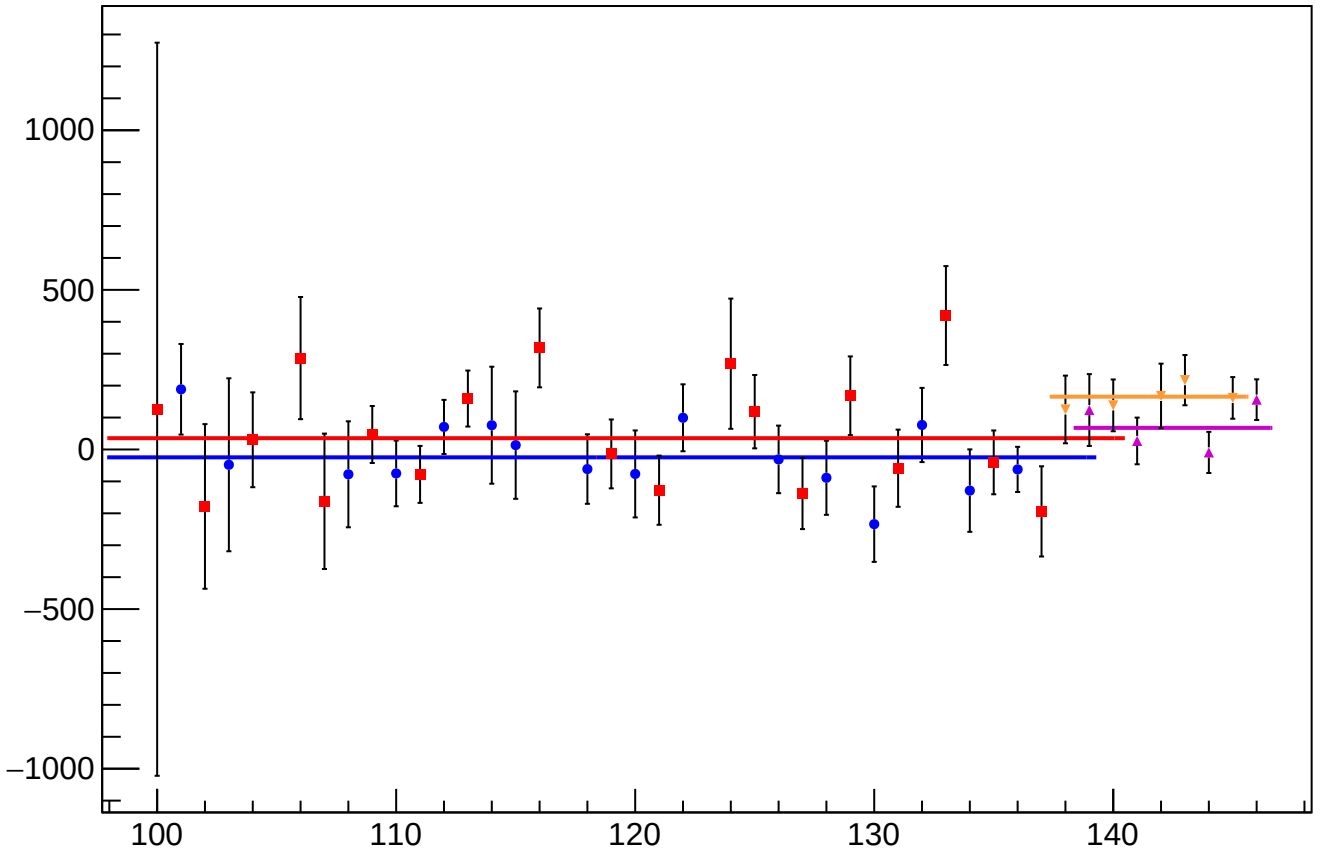
Left: 528.637+/-0.145 χ^2/NDF: 833843.8/8

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 687.670+/-0.161 χ^2/NDF:3012705.0/19

Out: 709.636+/-0.163 χ^2/NDF:2930697.3/23

All: 698.550+/-0.115 χ^2/NDF: 5952597.6/43



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 165.375+/-36.869 χ^2/NDF:0.7/4

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 67.713+/-36.441 χ^2/NDF:3.9/3

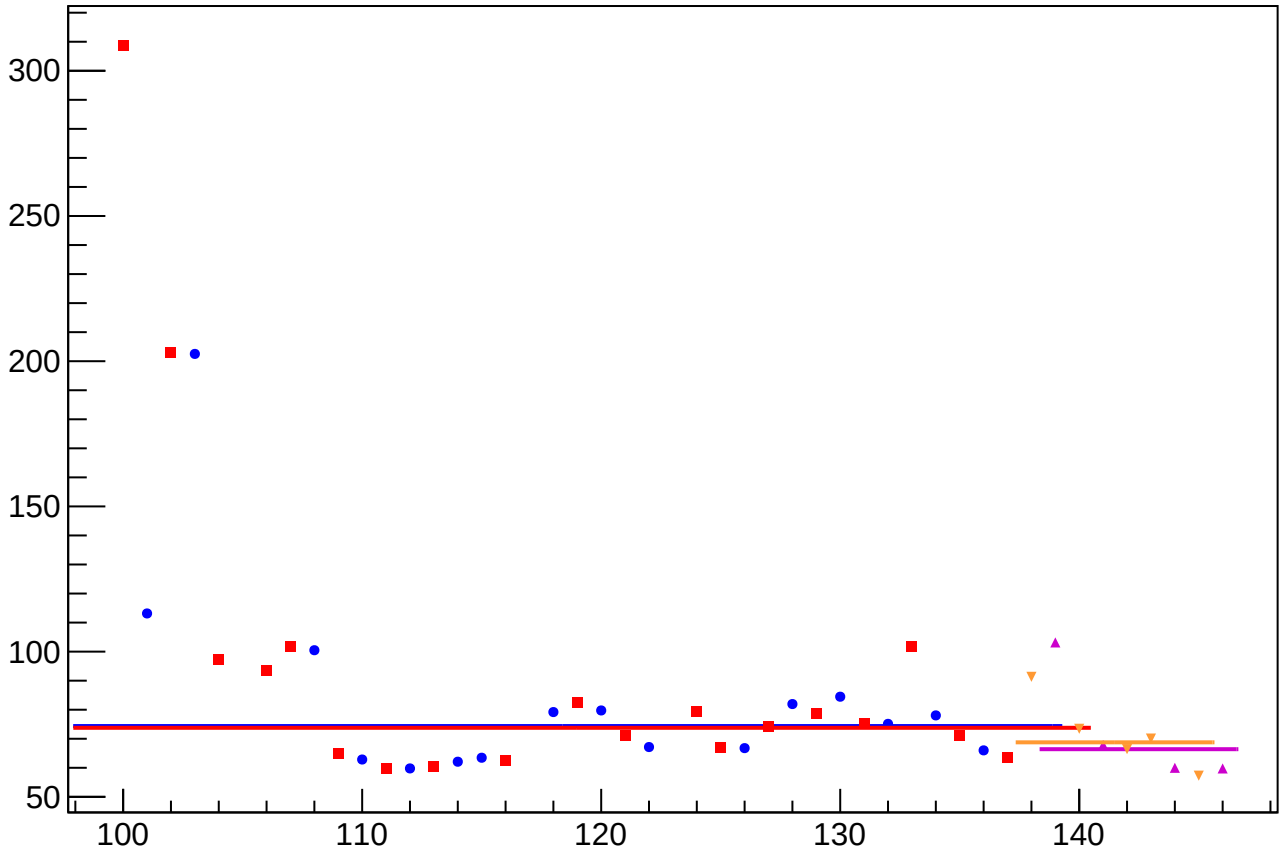
Left: 115.974+/-25.918 χ^2/NDF: 8.1/8

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 11.037+/-22.650 χ^2/NDF:18.9/19

Out: 83.913+/-22.527 χ^2/NDF:38.5/23

All: 47.672+/-15.972 χ^2/NDF: 62.6/43



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 68.768+/-0.026 χ^2/NDF:160808.4/4

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

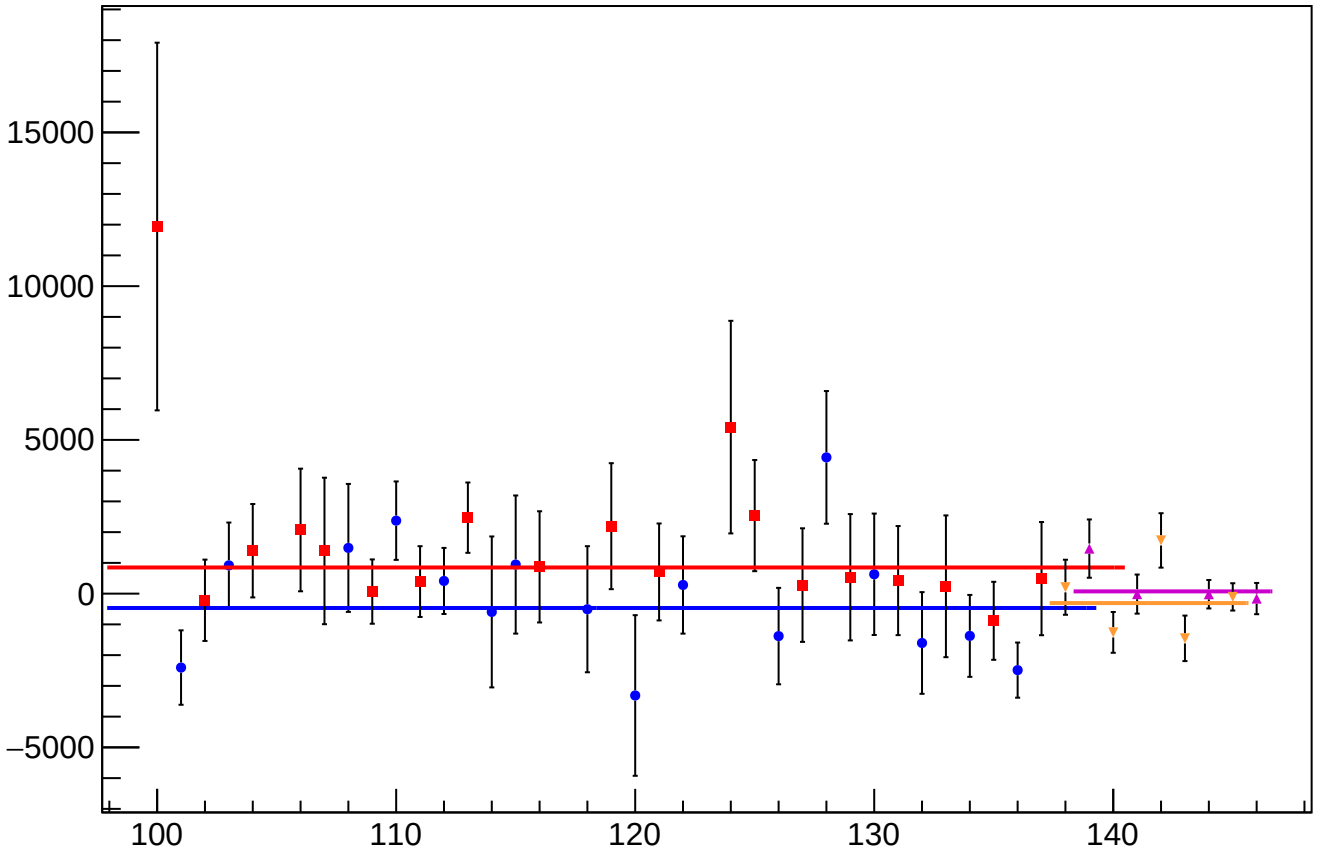
Left: 67.573+/-0.018 χ^2/NDF: 420620.8/8

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 71.293+/-0.016 χ^2/NDF:1141849.3/19

Out: 71.904+/-0.016 χ^2/NDF:1112069.8/23

All: 71.600+/-0.011 χ^2/NDF: 2254652.3/43



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -306.499+/-292.397 χ^2/NDF:10.3/4

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 72.986+/-287.171 χ^2/NDF:2.4/3

Left: -113.335+/-204.883 χ^2/NDF: 13.6/8

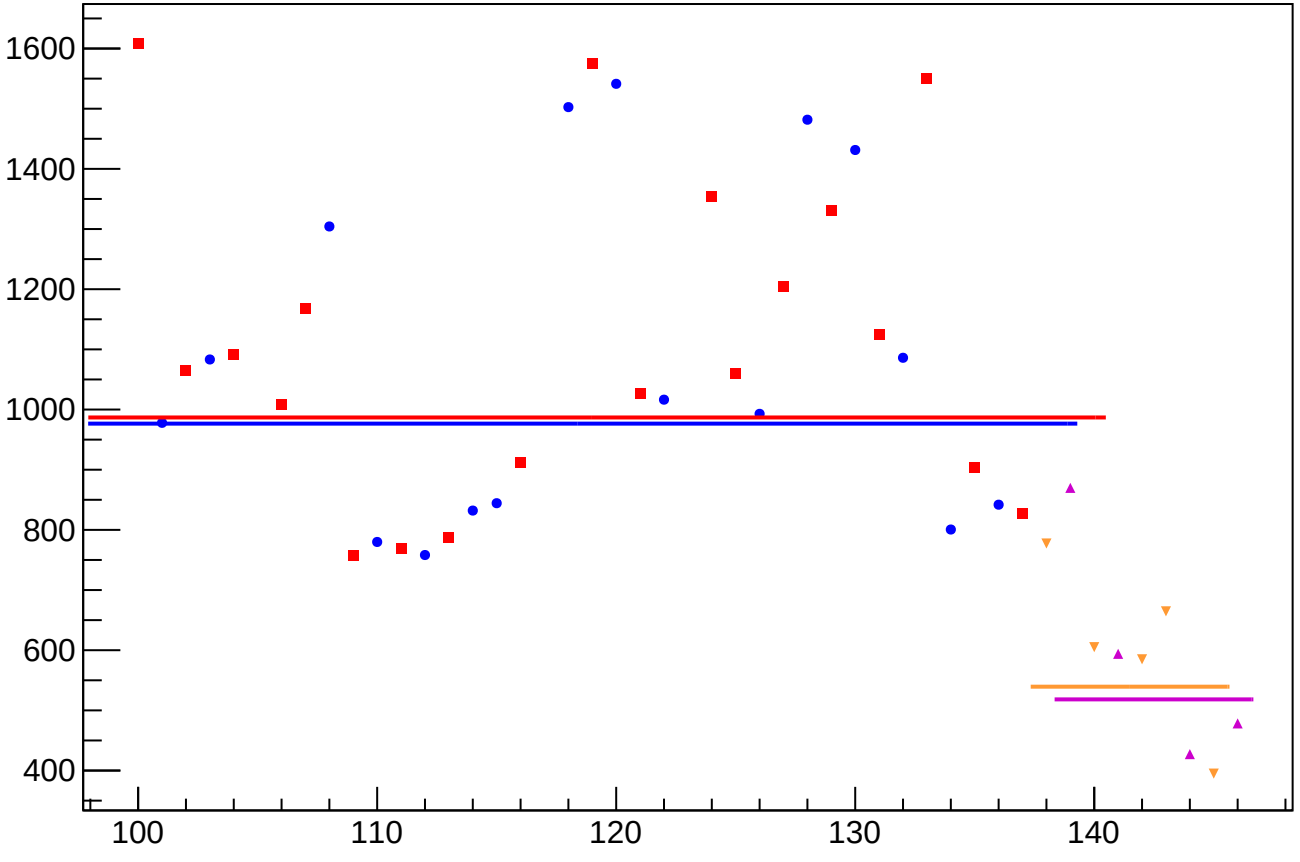
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -126.419+/-228.005 χ^2/NDF:27.4/19

Out: 133.836+/-230.141 χ^2/NDF:28.8/23

All: 2.495+/-161.974 χ^2/NDF: 56.9/43

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: 539.387+/-0.207 χ^2/NDF:435400.4/4

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 518.268+/-0.203 χ^2/NDF:393132.6/3

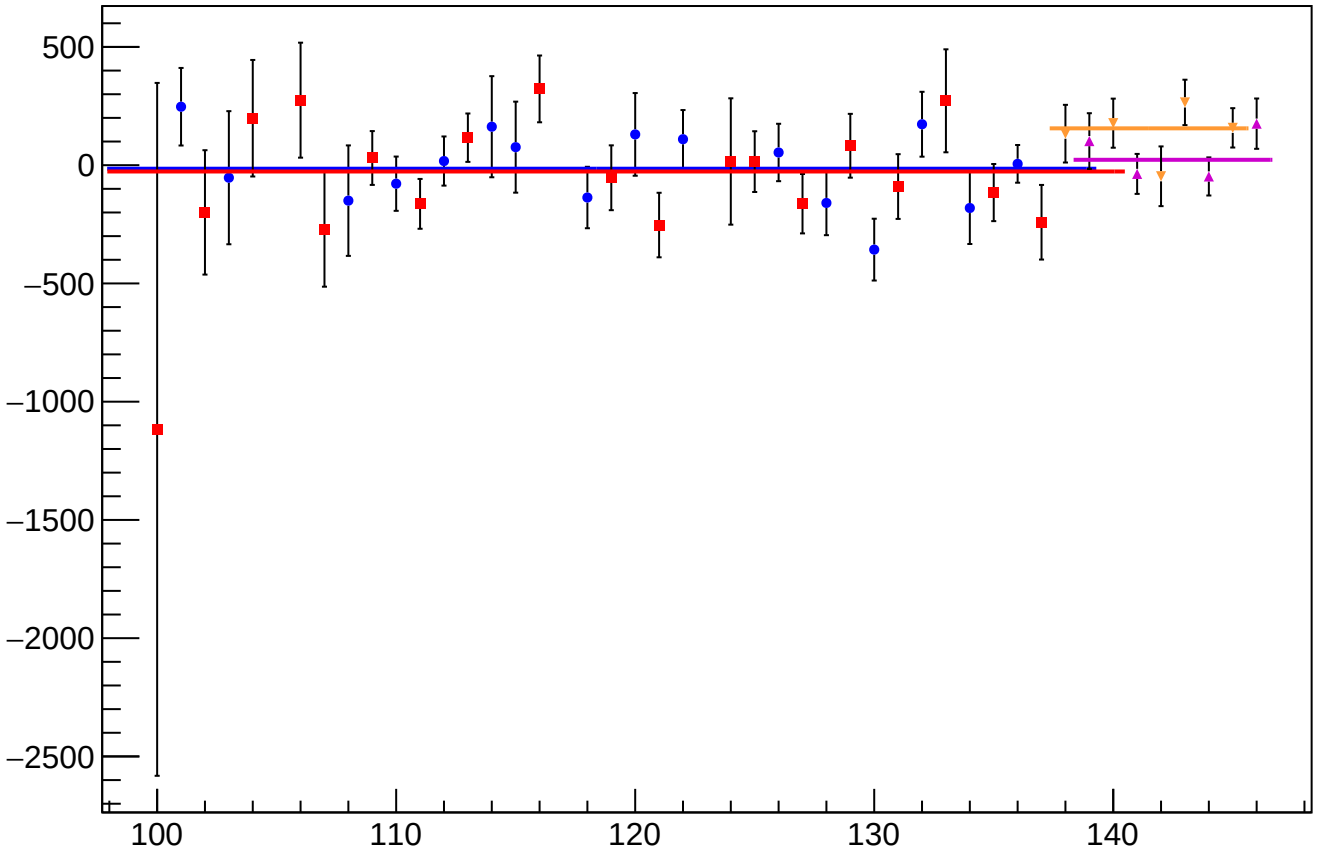
Left: 528.637+/-0.145 χ^2/NDF: 833843.8/8

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 687.670+/-0.161 χ^2/NDF:3012705.0/19

Out: 709.636+/-0.163 χ^2/NDF:2930697.3/23

All: 698.550+/-0.115 χ^2/NDF: 5952597.6/43



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 155.748+/-45.848 χ^2/NDF:4.0/4

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 22.769+/-46.919 χ^2/NDF:3.8/3

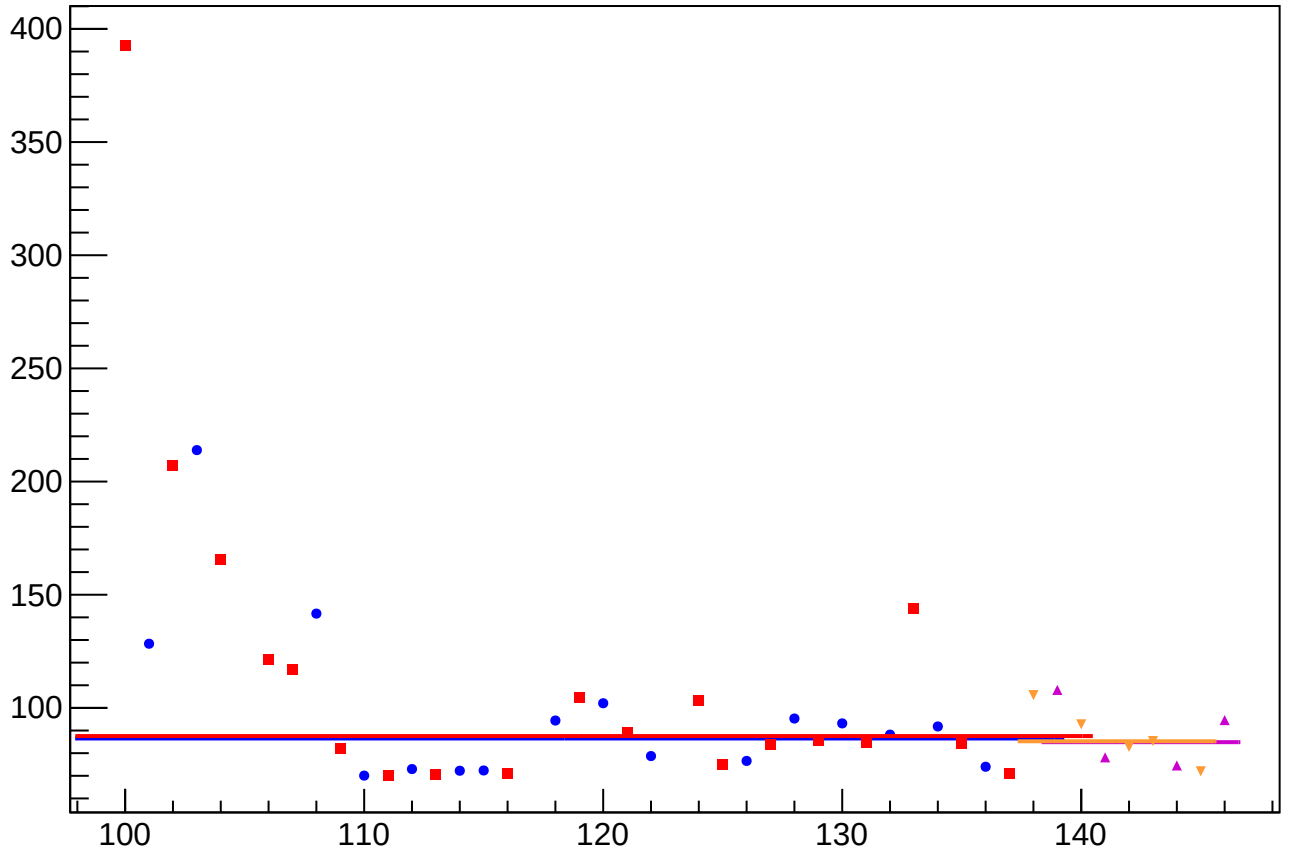
Left: 90.794+/-32.791 χ^2/NDF: 11.8/8

Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: -2.085+/-27.404 χ^2/NDF:22.5/19

Out: 38.244+/-27.348 χ^2/NDF:37.8/23

All: 18.121+/-19.358 χ^2/NDF: 61.3/43



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 85.257+/-0.032 χ^2/NDF:118040.9/4

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 84.860+/-0.033 χ^2/NDF:138731.2/3

Left: 85.063+/-0.023 χ^2/NDF: 256845.3/8

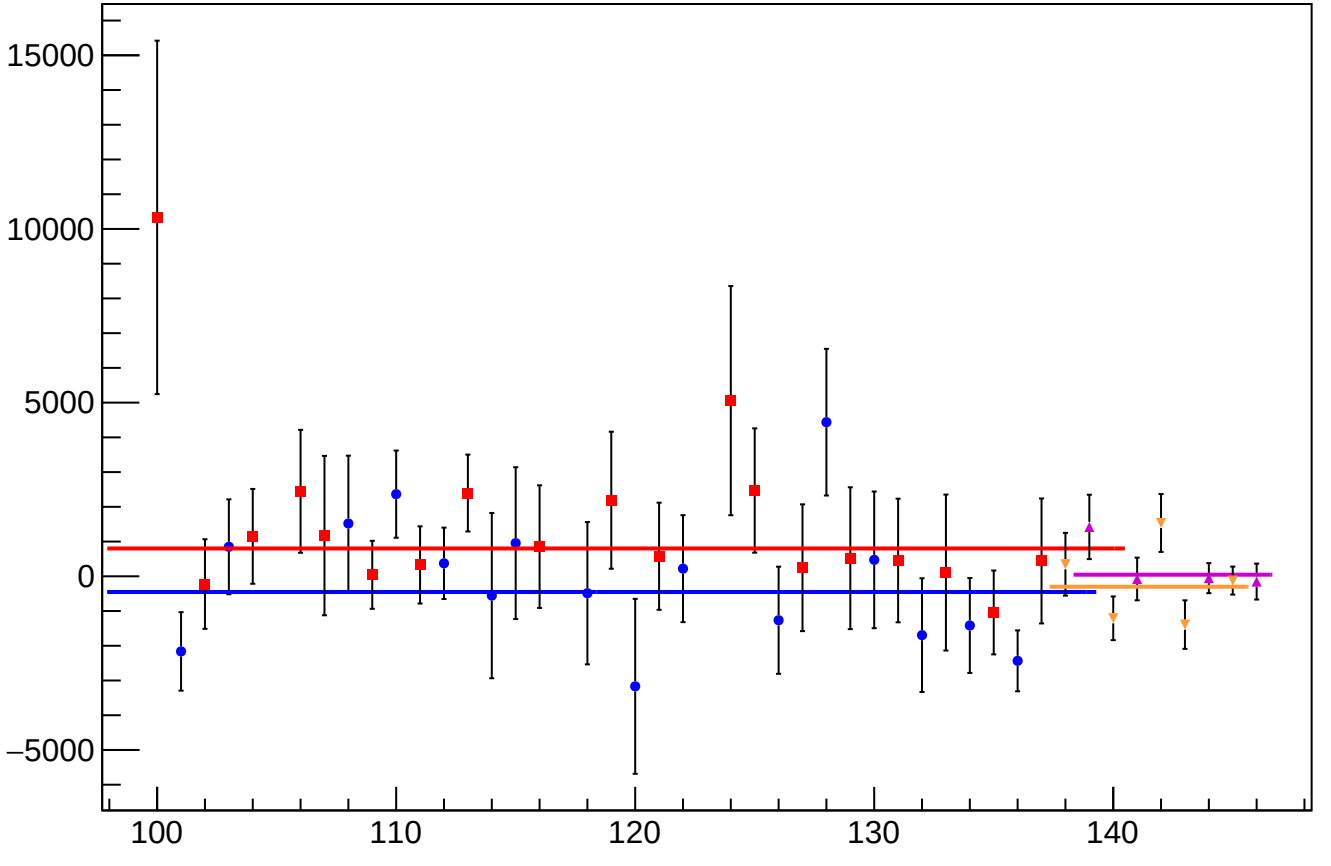
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 85.933+/-0.019 χ^2/NDF:996577.7/19

Out: 86.737+/-0.019 χ^2/NDF:1251071.4/23

All: 86.336+/-0.014 χ^2/NDF: 2248511.0/43

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: -300.832+/-273.244 χ^2/NDF:10.1/4

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 46.436+/-278.416 χ^2/NDF:2.4/3

Left: -130.454+/-195.015 χ^2/NDF: 13.3/8

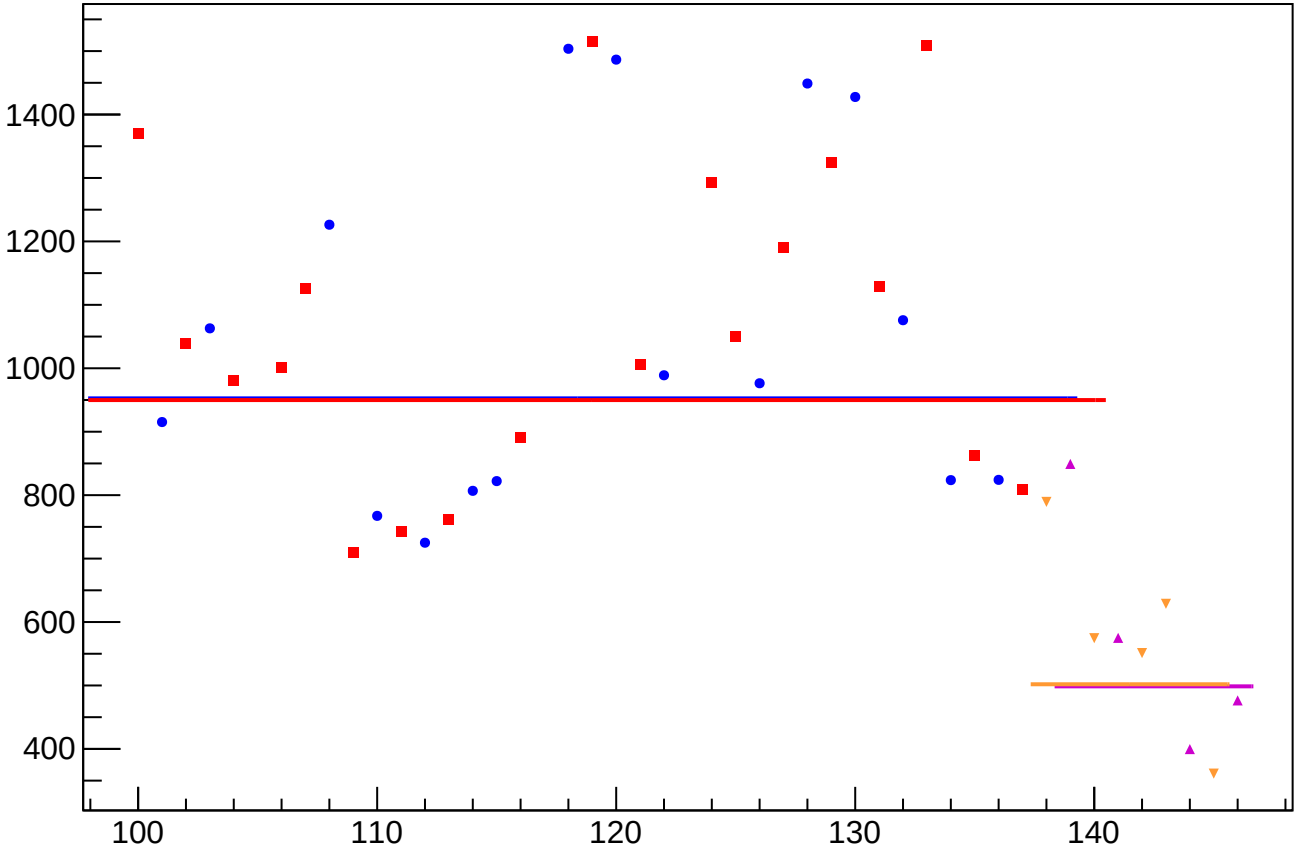
Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -136.290+/-221.502 χ^2/NDF:27.3/19

Out: 105.030+/-217.176 χ^2/NDF:29.7/23

All: -13.250+/-155.073 χ^2/NDF: 57.6/43

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: 501.889+/-0.193 χ^2/NDF:545907.1/4

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 498.617+/-0.197 χ^2/NDF:425705.9/3

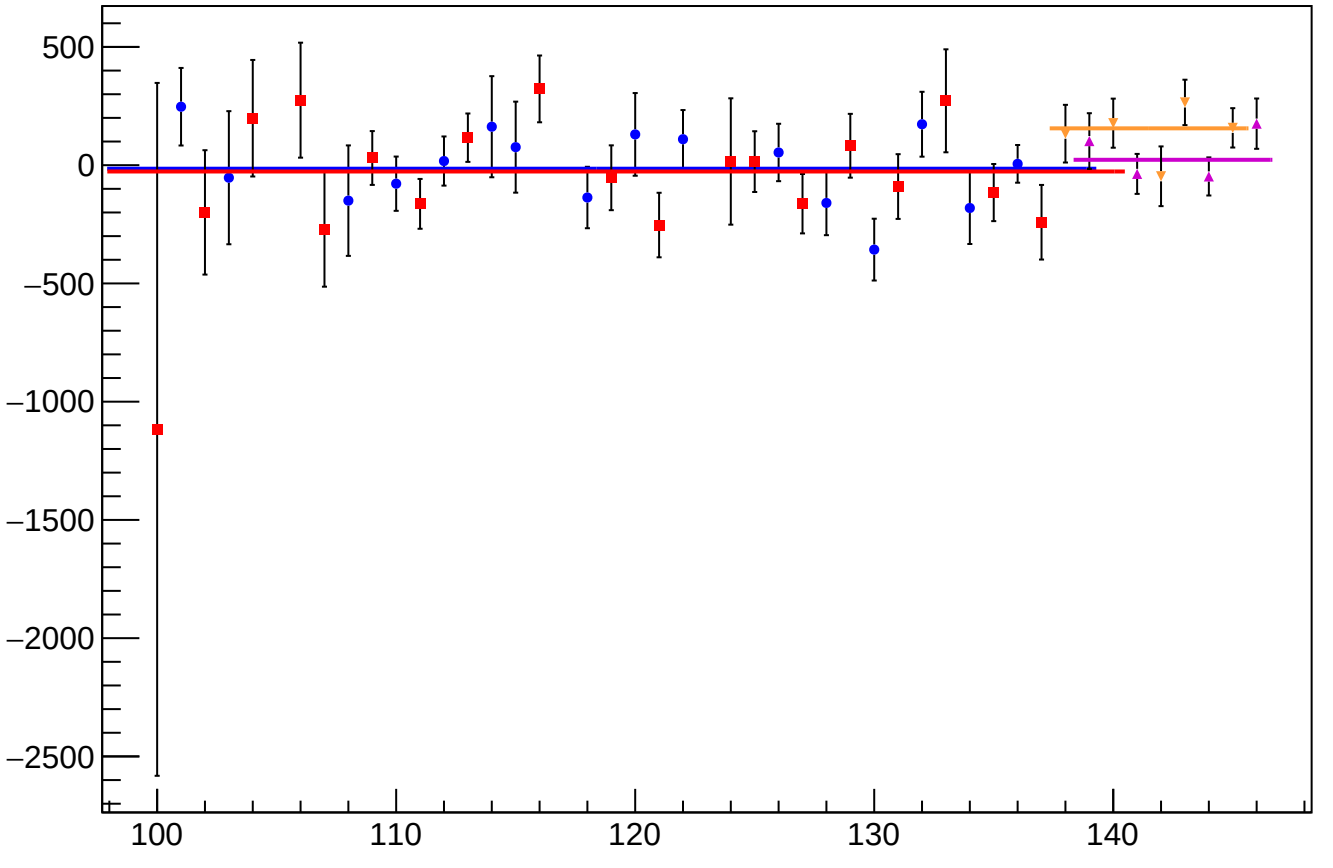
Left: 500.284+/-0.138 χ^2/NDF: 971753.7/8

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 665.235+/-0.157 χ^2/NDF:3123498.4/19

Out: 666.881+/-0.154 χ^2/NDF:3277615.5/23

All: 666.074+/-0.110 χ^2/NDF: 6401170.2/43



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 155.746+/-45.848 χ^2/NDF:4.0/4

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 22.770+/-46.919 χ^2/NDF:3.8/3

Left: 90.793+/-32.792 χ^2/NDF: 11.8/8

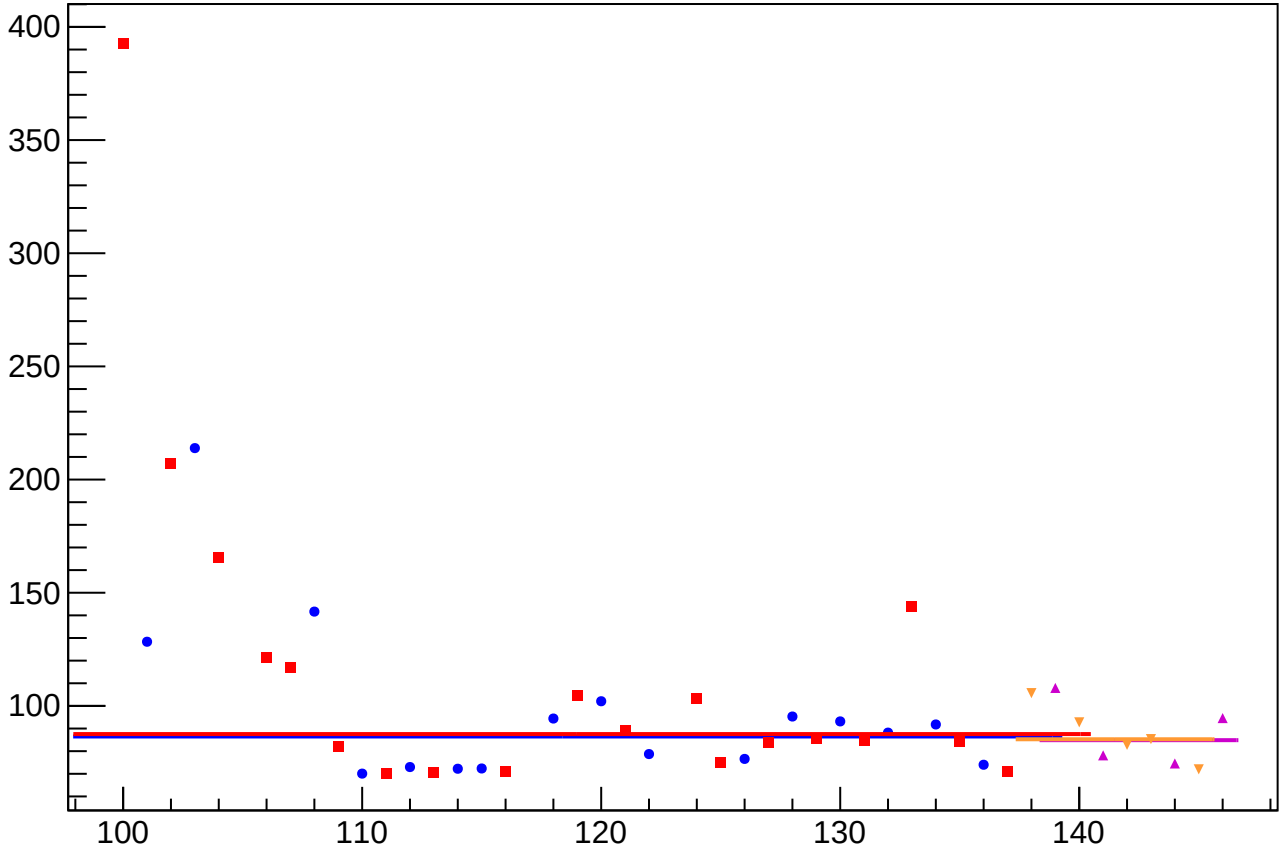
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: -2.085+/-27.404 χ^2/NDF:22.5/19

Out: 38.241+/-27.348 χ^2/NDF:37.8/23

All: 18.120+/-19.358 χ^2/NDF: 61.3/43

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 85.257+/-0.032 χ^2/NDF:118038.7/4

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 84.860+/-0.033 χ^2/NDF:138729.3/3

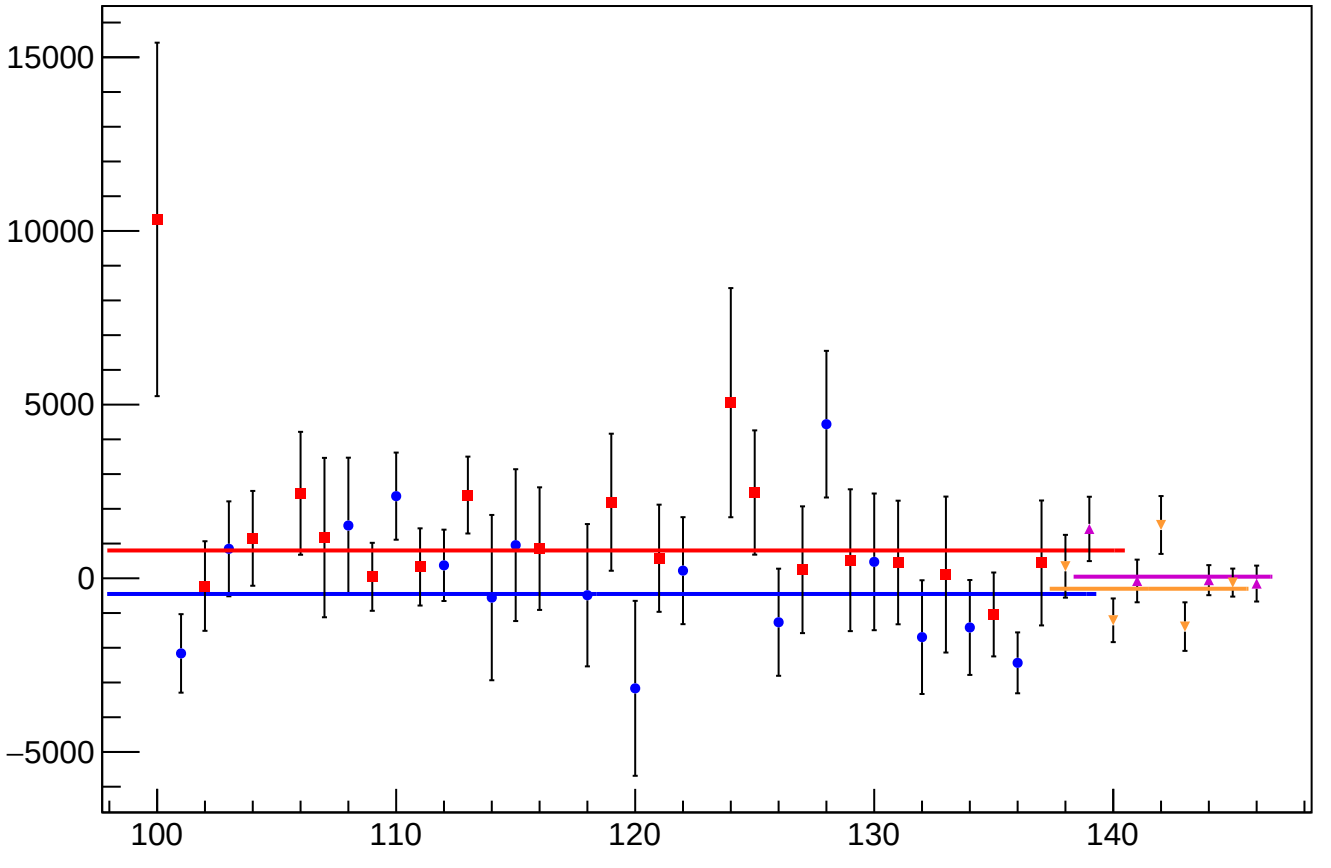
Left: 85.063+/-0.023 χ^2/NDF: 256841.2/8

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 85.934+/-0.019 χ^2/NDF:996567.6/19

Out: 86.737+/-0.019 χ^2/NDF:1251066.8/23

All: 86.336+/-0.014 χ^2/NDF: 2248496.6/43



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -300.835+/-273.243 χ^2/NDF:10.1/4

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 46.435+/-278.416 χ^2/NDF:2.4/3

Left: -130.456+/-195.015 χ^2/NDF: 13.3/8

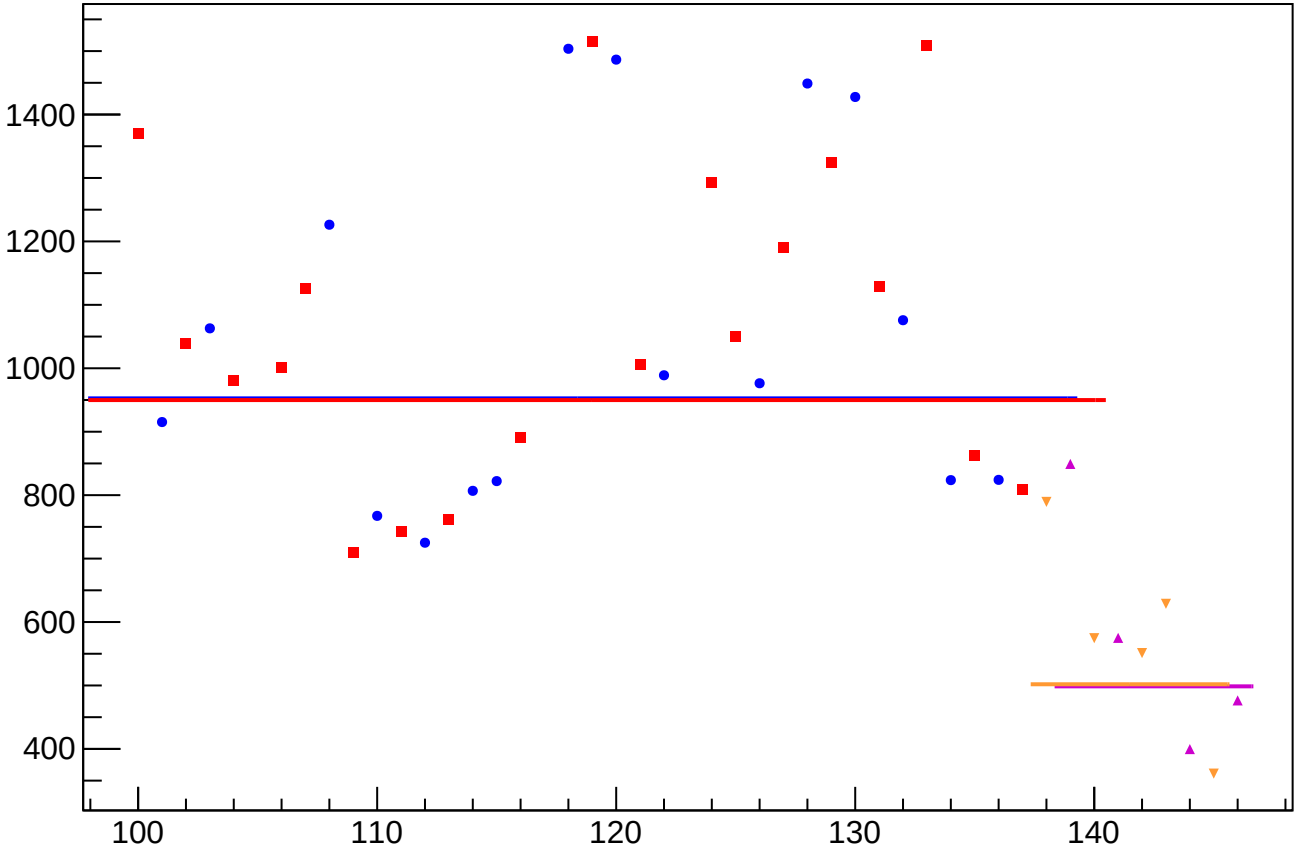
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -136.289+/-221.502 χ^2/NDF:27.3/19

Out: 105.028+/-217.175 χ^2/NDF:29.7/23

All: -13.251+/-155.073 χ^2/NDF: 57.6/43

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: 501.888+/-0.193 χ^2/NDF:545908.5/4

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 498.617+/-0.197 χ^2/NDF:425707.4/3

Left: 500.283+/-0.138 χ^2/NDF: 971756.6/8

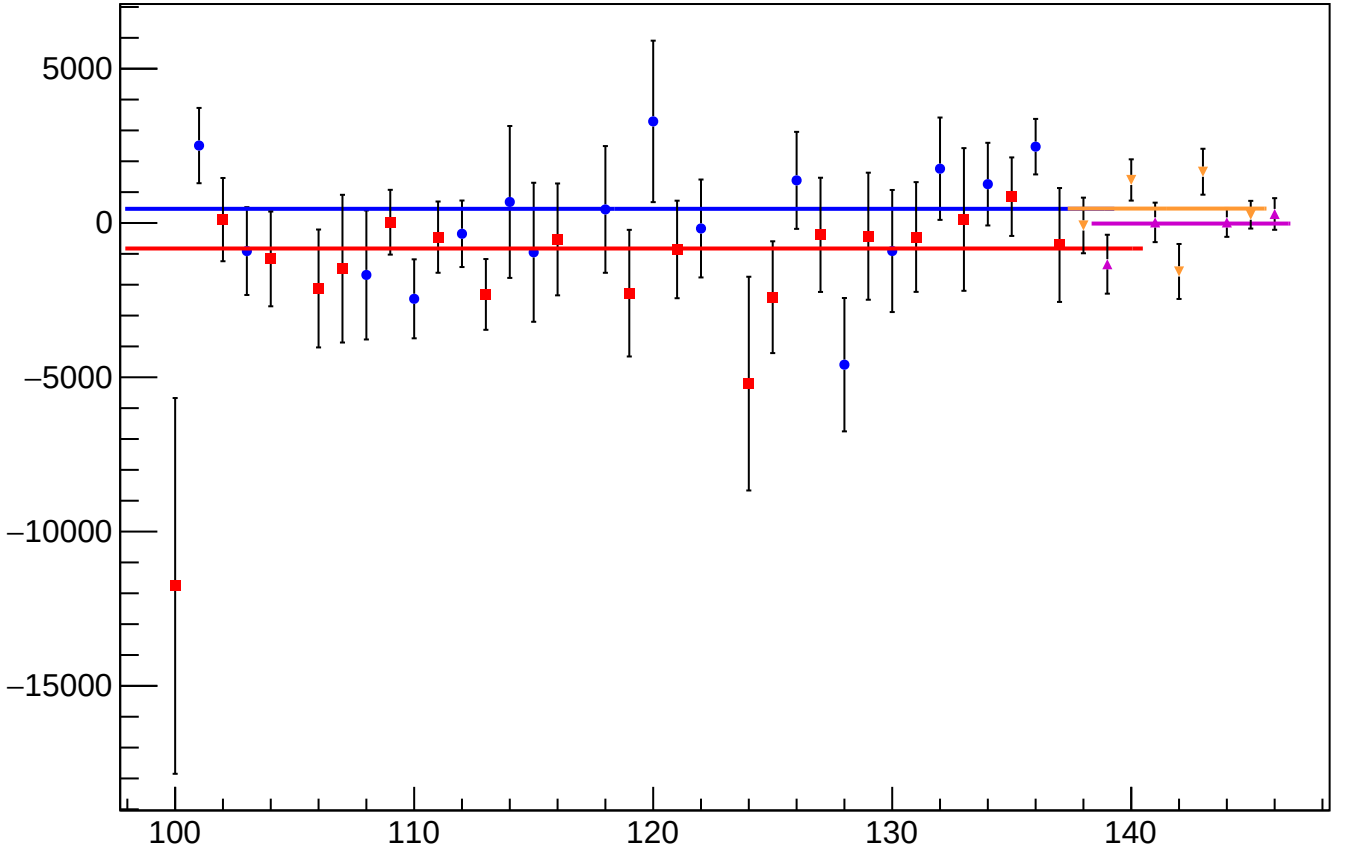
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 665.235+/-0.157 χ^2/NDF:3123496.6/19

Out: 666.880+/-0.154 χ^2/NDF:3277612.9/23

All: 666.074+/-0.110 χ^2/NDF: 6401165.8/43

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 467.432+/-294.962 χ^2/NDF:10.3/4

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -18.493+/-289.701 χ^2/NDF:2.3/3

Left: 220.098+/-206.685 χ^2/NDF: 14.0/8

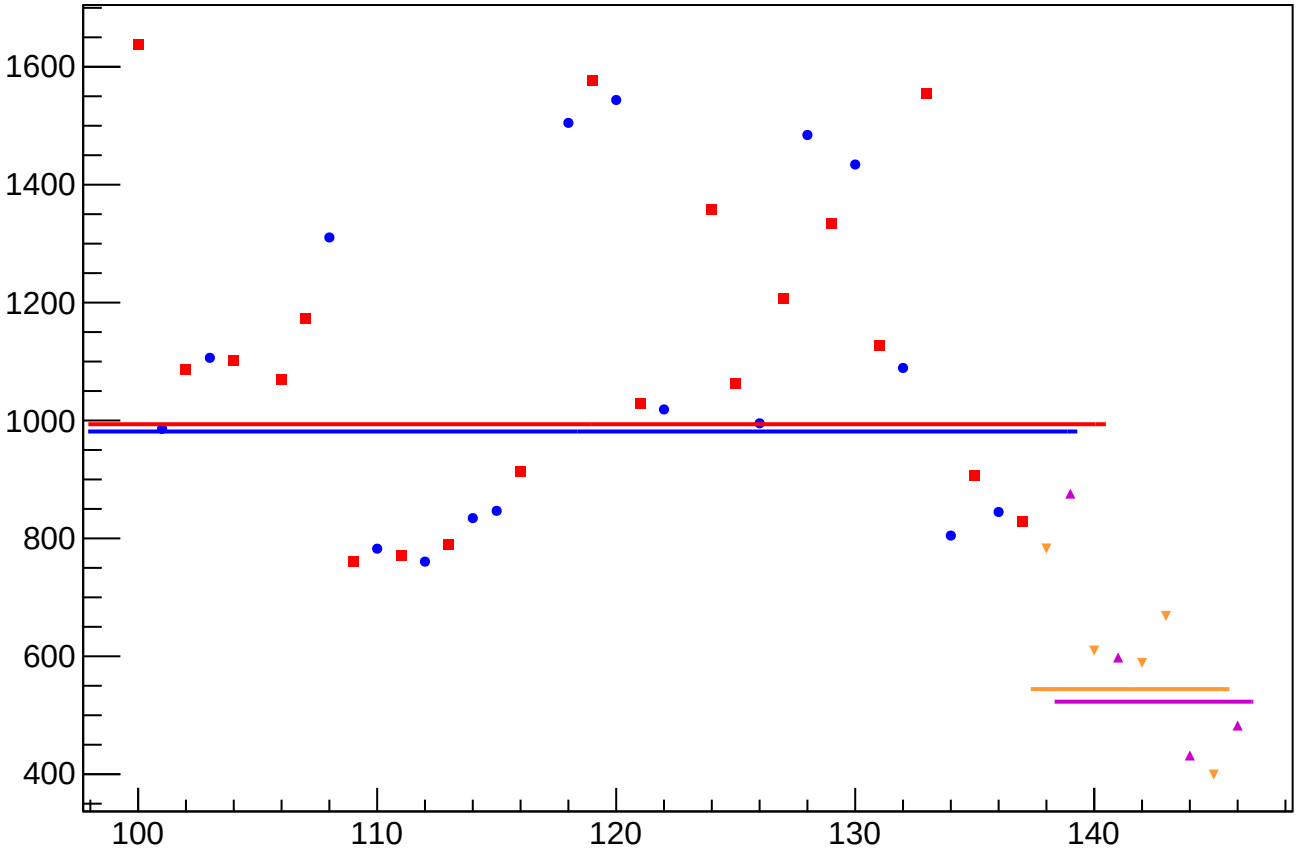
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 158.910+/-229.683 χ^2/NDF:27.9/19

Out: -28.373+/-231.659 χ^2/NDF:29.3/23

All: 66.070+/-163.105 χ^2/NDF: 57.5/43

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 544.345+/-0.209 χ^2/NDF:428397.6/4

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 523.021+/-0.205 χ^2/NDF:389411.8/3

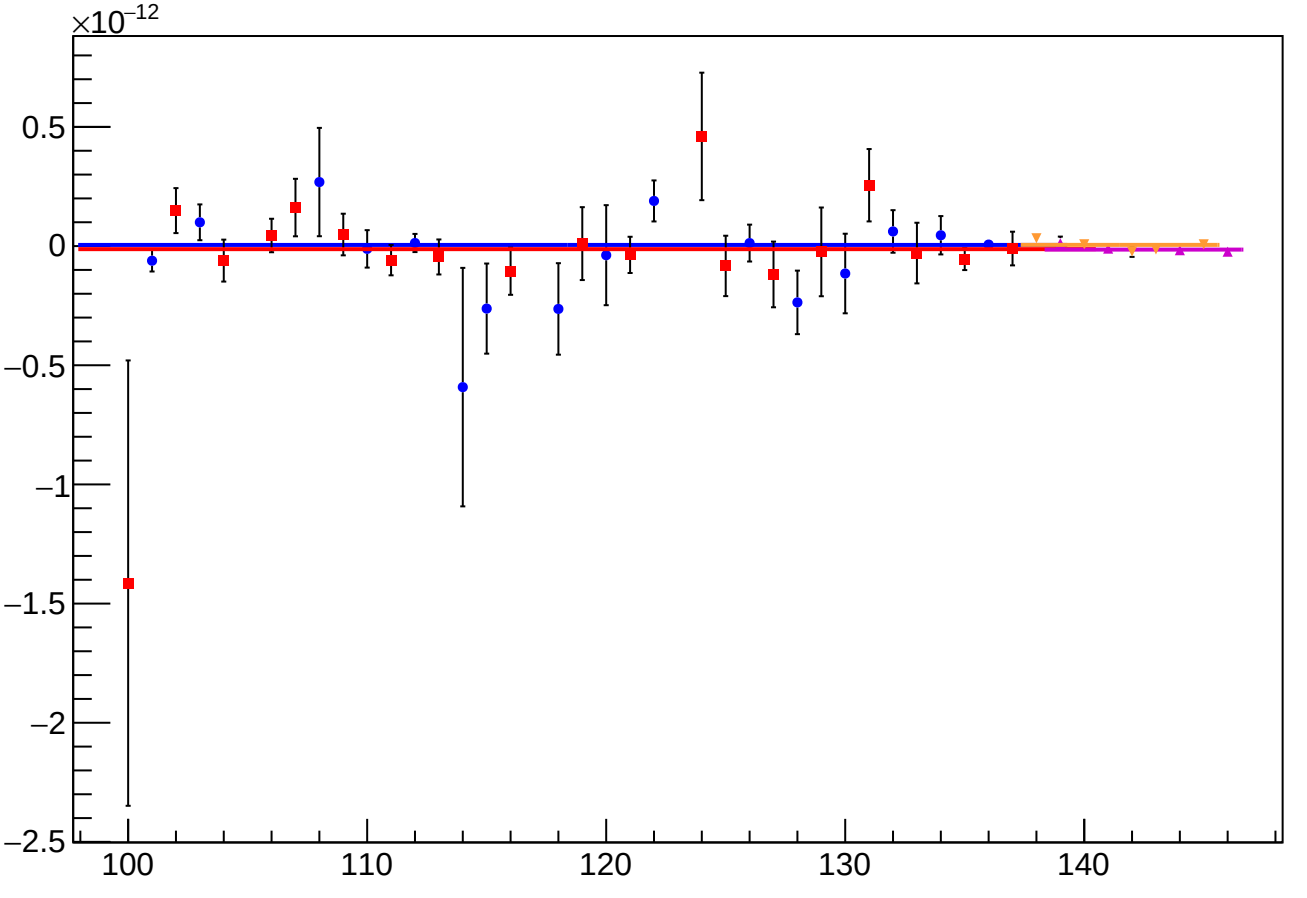
Left: 533.491+/-0.146 χ^2/NDF: 823130.0/8

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 693.255+/-0.162 χ^2/NDF:2986344.6/19

Out: 716.518+/-0.164 χ^2/NDF:2926623.0/23

All: 704.786+/-0.115 χ^2/NDF: 5923138.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/4

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

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

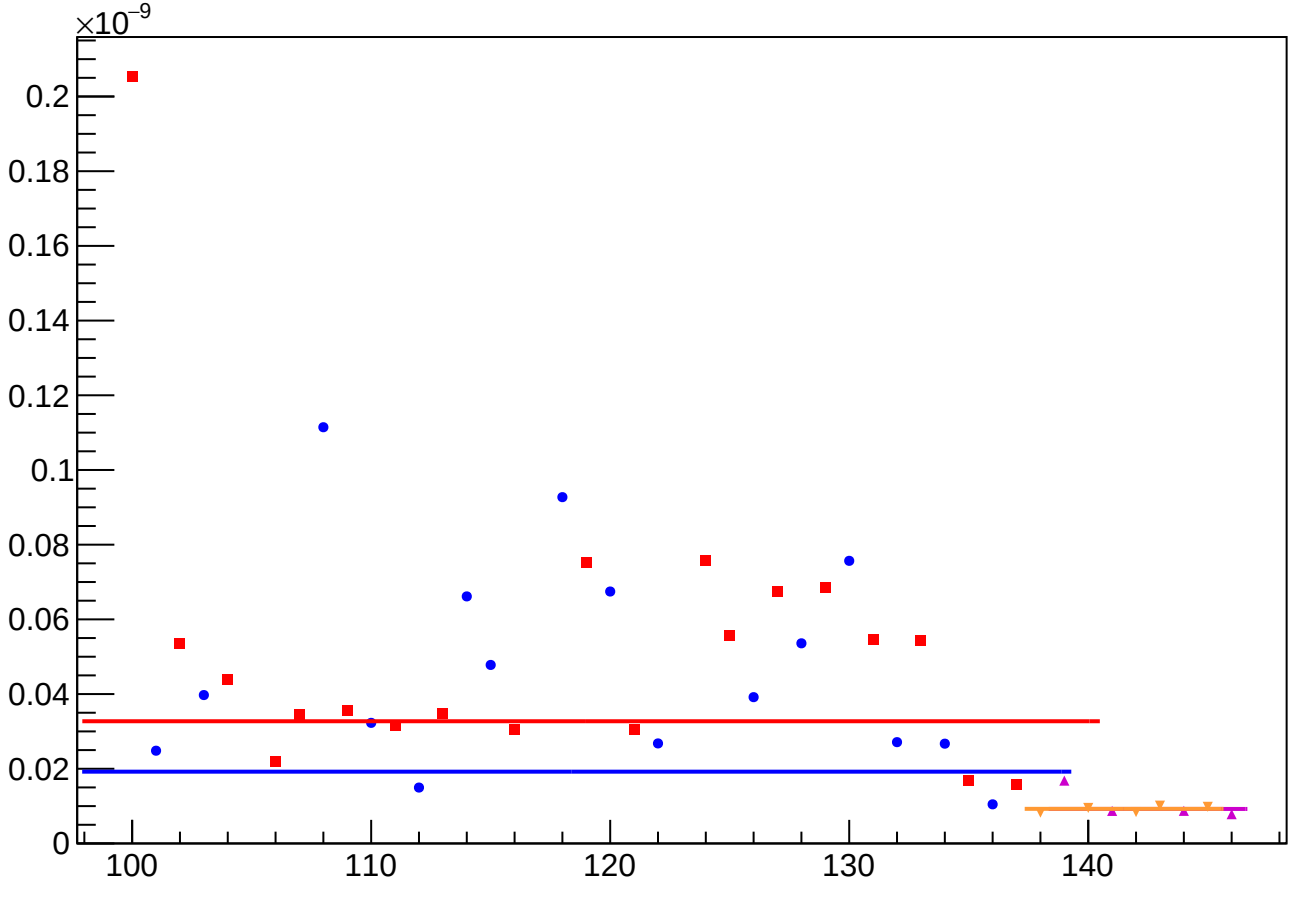
Left: -0.000+/-0.000 χ^2/NDF: 9.1/8

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:22.4/19

Out: 0.000+/-0.000 χ^2/NDF:24.1/23

All: -0.000+/-0.000 χ^2/NDF: 47.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15768.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:171162.6/3

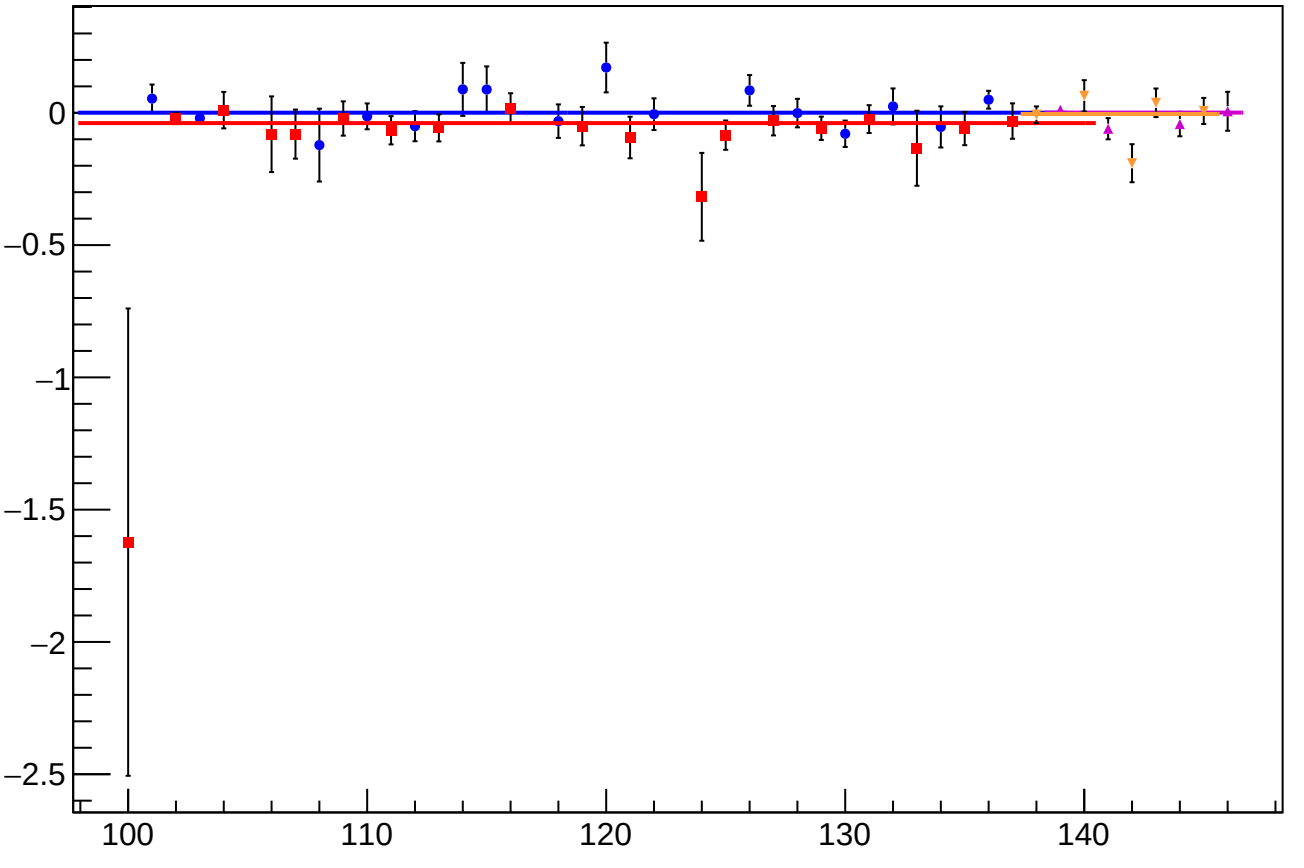
Left: 0.000+/-0.000 χ^2/NDF: 186943.5/8

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:2854498.3/19

Out: 0.000+/-0.000 χ^2/NDF:3401616.9/23

All: 0.000+/-0.000 χ^2/NDF: 6263513.0/43



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.021 χ^2/NDF:8.7/4

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/3

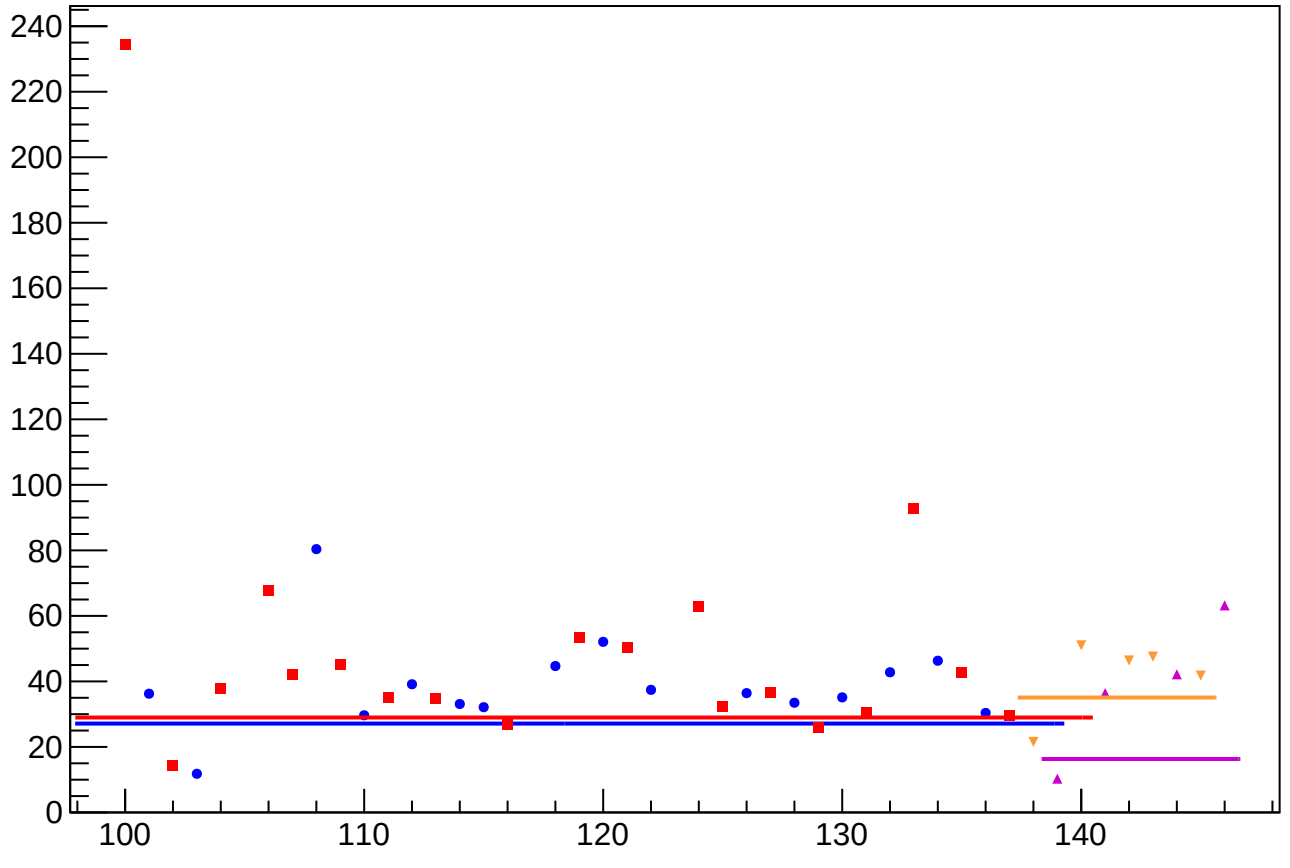
Left: -0.000+/-0.011 χ^2/NDF: 12.5/8

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/19

Out: -0.030+/-0.011 χ^2/NDF:21.7/23

All: -0.011+/-0.007 χ^2/NDF: 46.9/43



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 35.083+/-0.015 χ^2/NDF:710281.9/4

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 16.319+/-0.009 χ^2/NDF:2337833.8/3

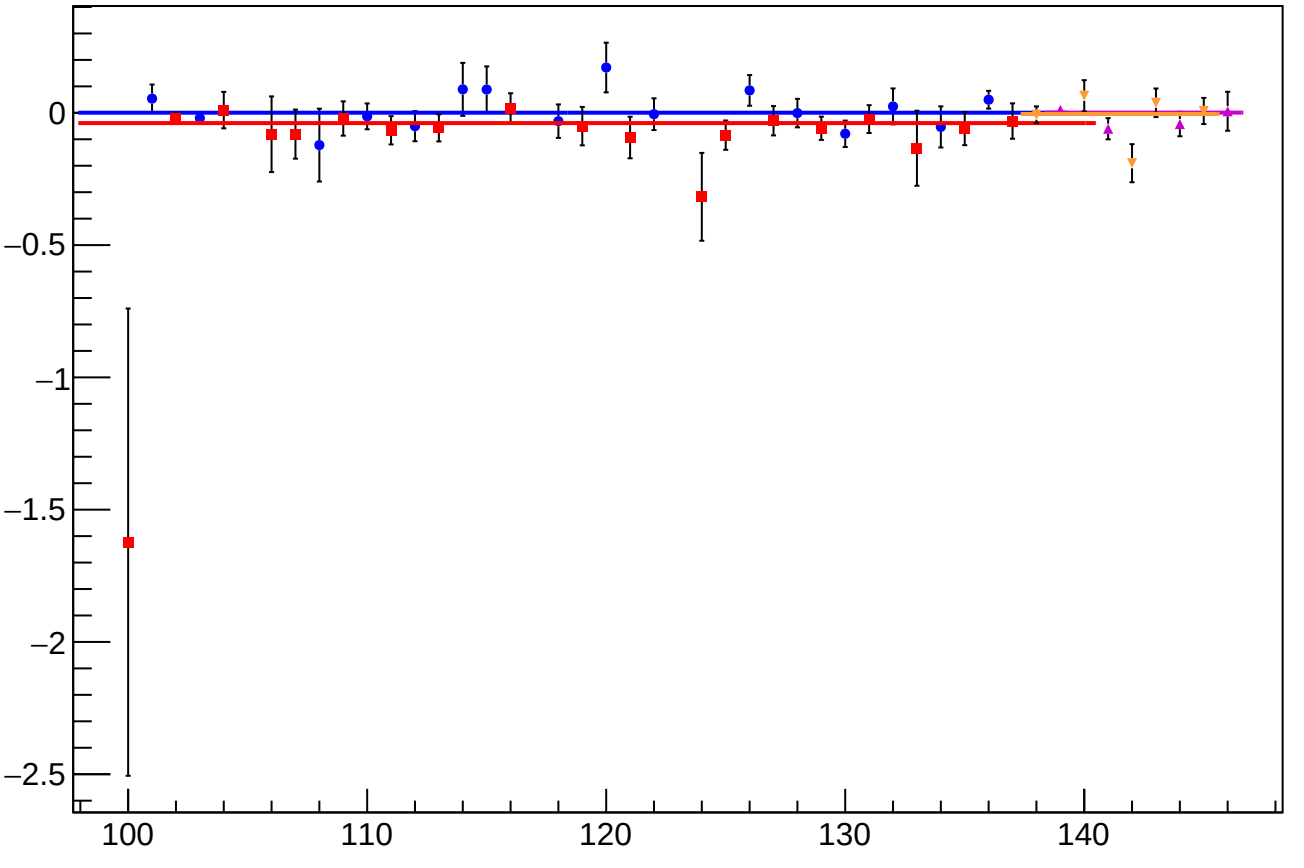
Left: 20.969+/-0.007 χ^2/NDF: 4237987.6/8

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 21.758+/-0.006 χ^2/NDF:5554902.7/19

Out: 30.590+/-0.008 χ^2/NDF:3289740.4/23

All: 25.138+/-0.005 χ^2/NDF: 9664115.2/43



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.021 χ^2/NDF:8.7/4

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/3

Left: -0.000+/-0.011 χ^2/NDF: 12.5/8

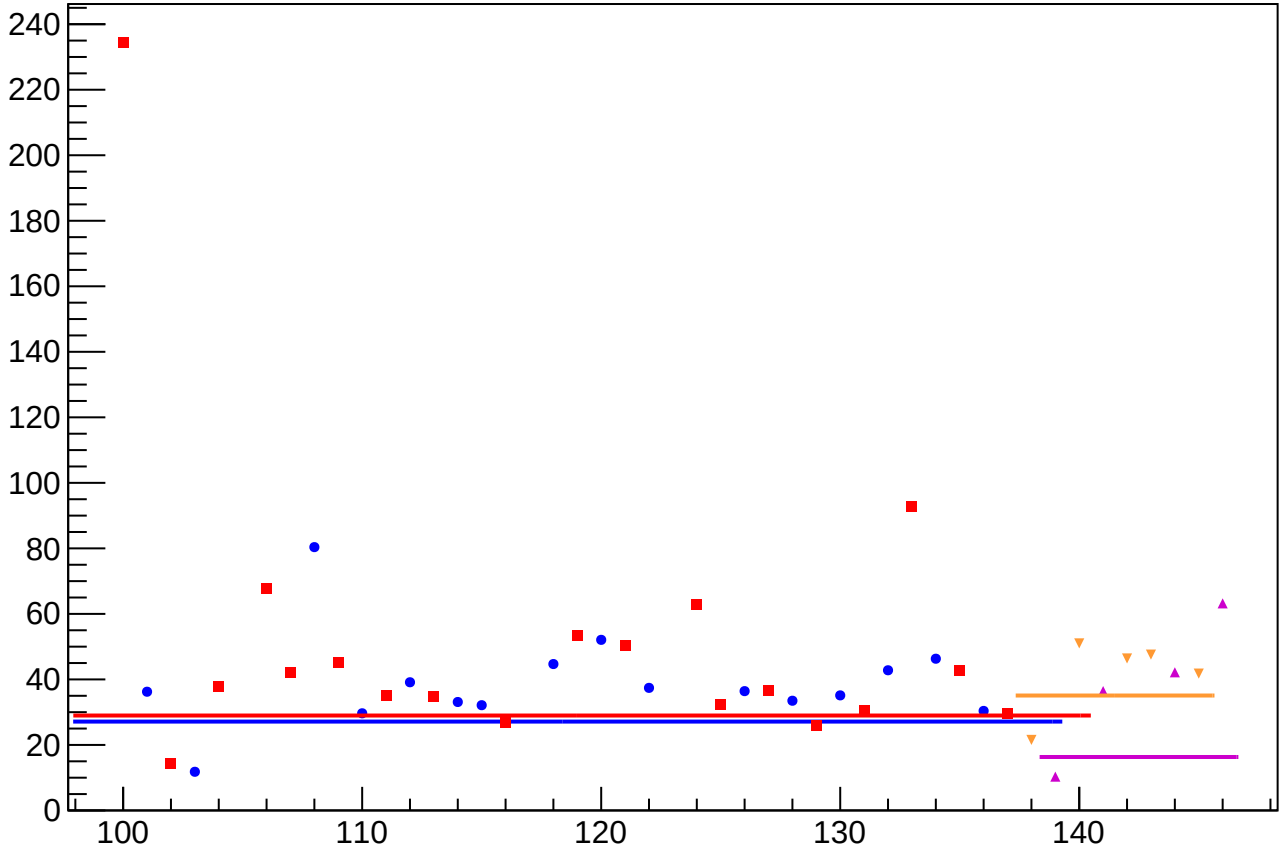
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/19

Out: -0.030+/-0.011 χ^2/NDF:21.7/23

All: -0.011+/-0.007 χ^2/NDF: 46.9/43

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: 35.083+/-0.015 χ^2/NDF:710281.9/4

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 16.319+/-0.009 χ^2/NDF:2337833.8/3

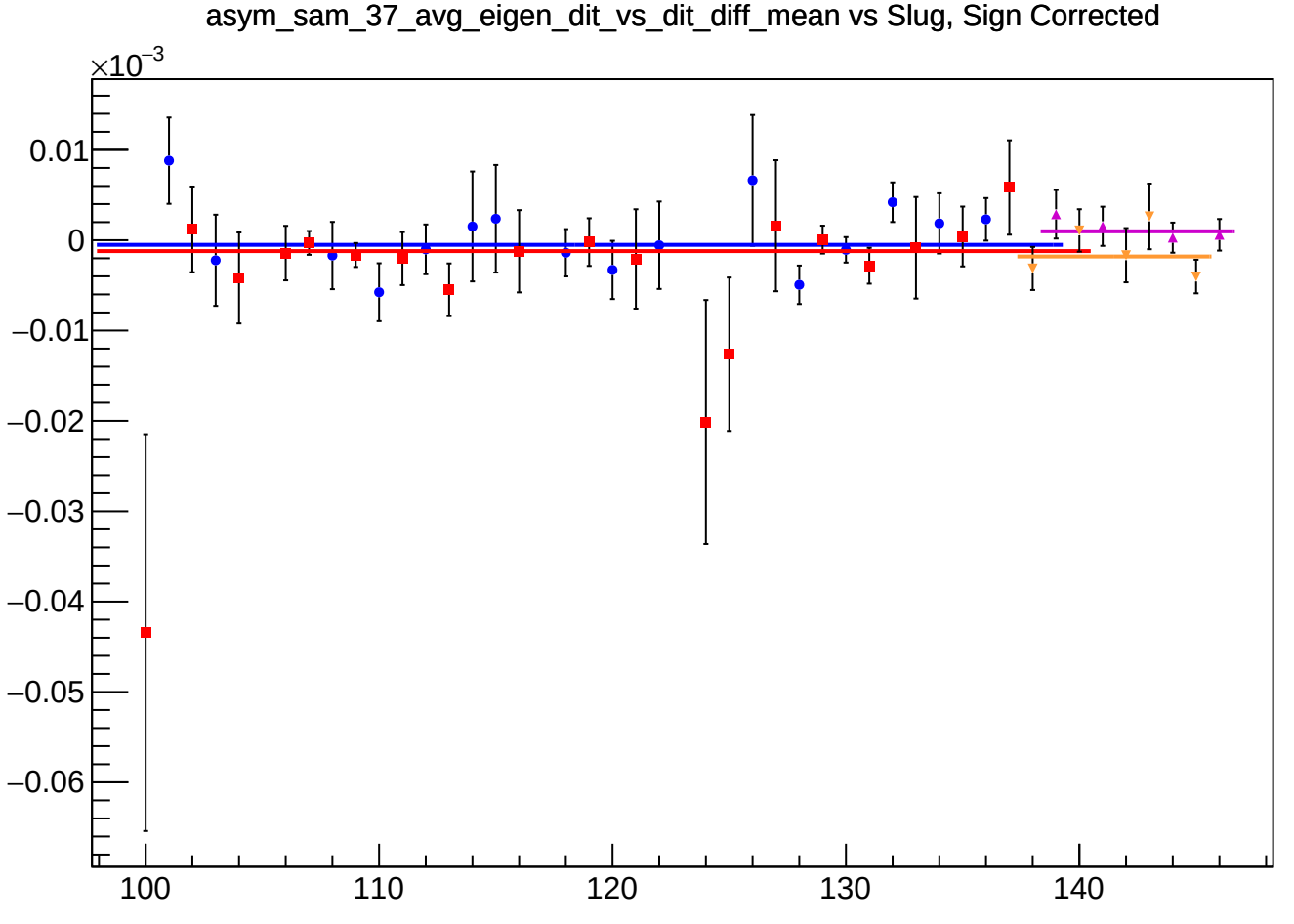
Left: 20.969+/-0.007 χ^2/NDF: 4237987.6/8

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 21.758+/-0.006 χ^2/NDF:5554902.7/19

Out: 30.590+/-0.008 χ^2/NDF:3289740.4/23

All: 25.138+/-0.005 χ^2/NDF: 9664115.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/4

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

Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

Left: -0.000+/-0.000 χ^2/NDF: 9.1/8

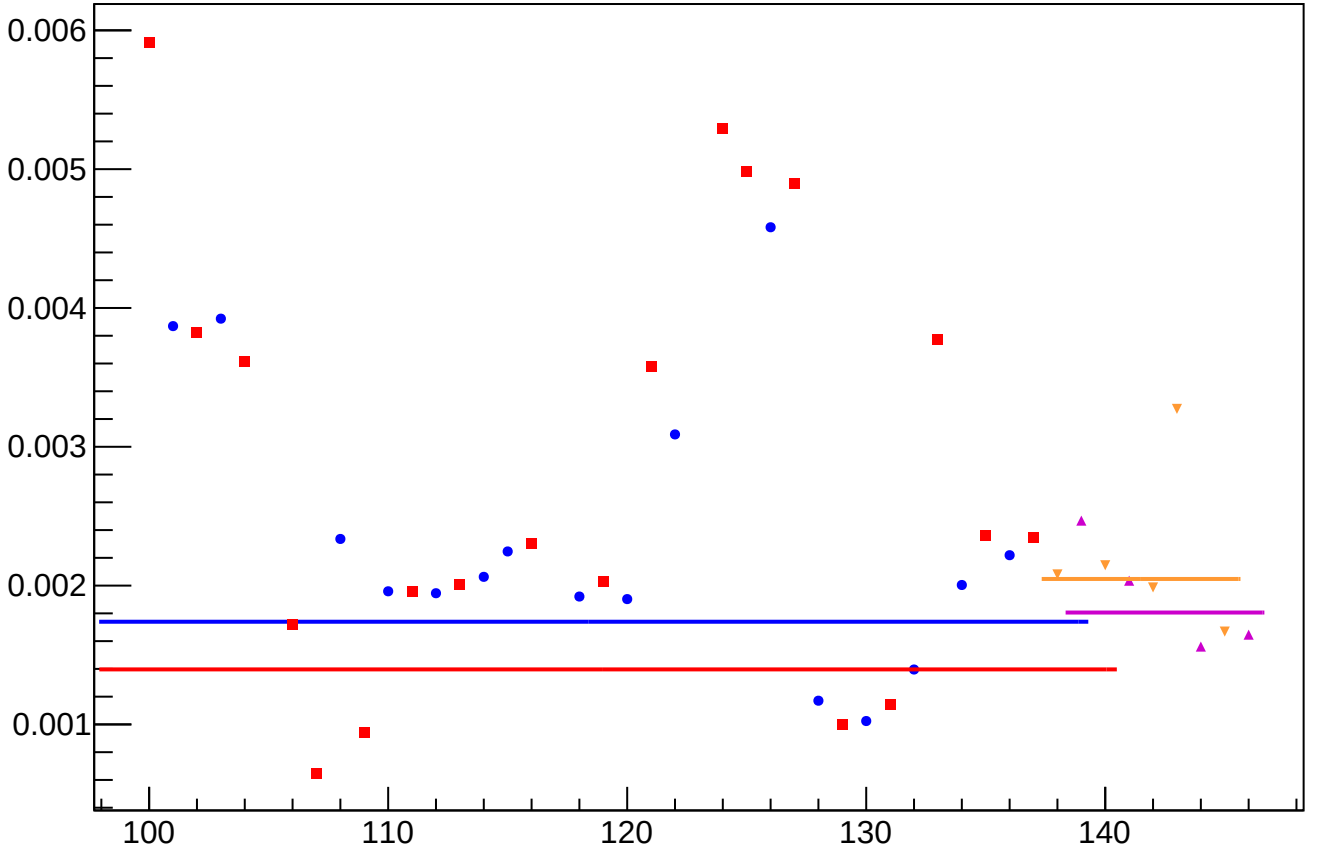
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: 0.000+/-0.000 χ^2/NDF:22.3/19

Out: -0.000+/-0.000 χ^2/NDF:19.6/23

All: -0.000+/-0.000 χ^2/NDF: 44.8/43

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:315614.4/4

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:203970.1/3

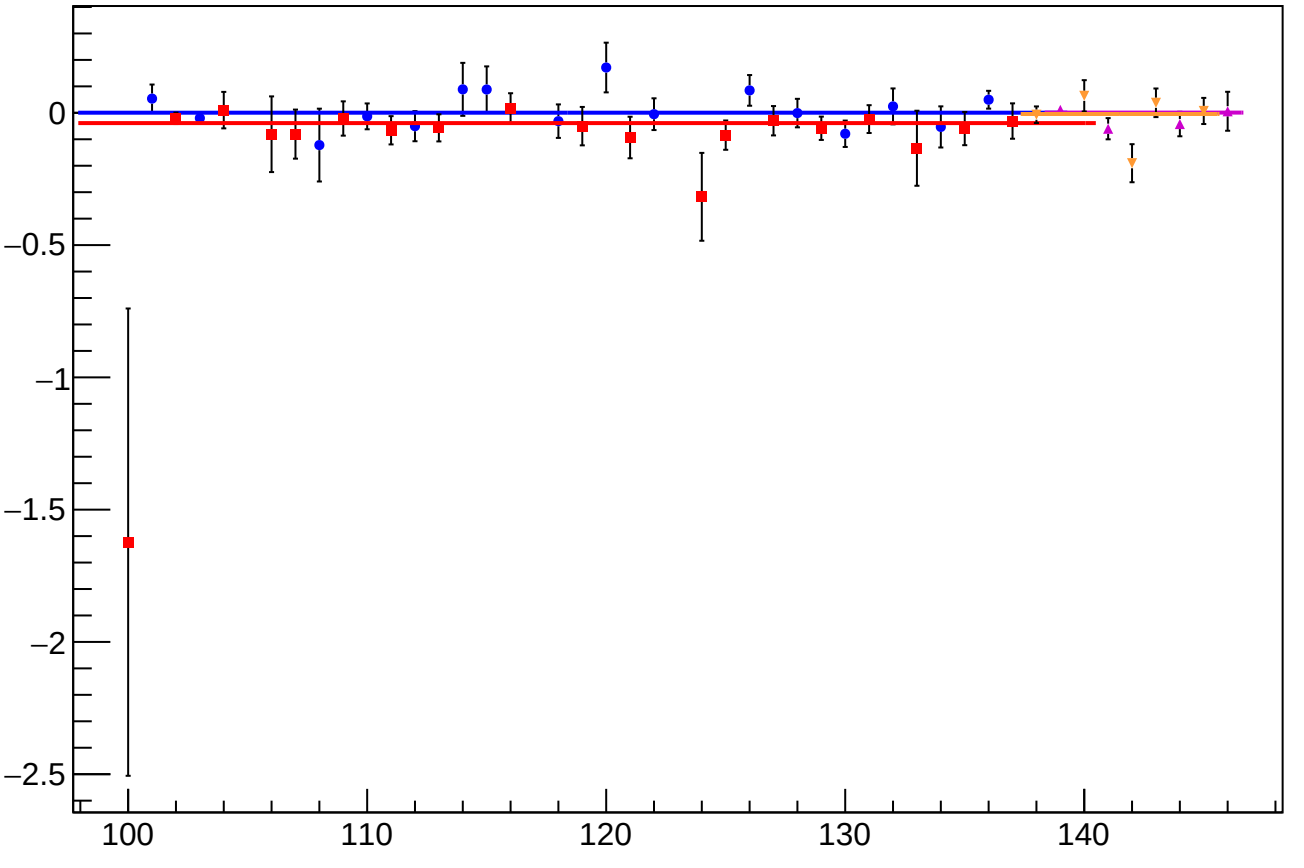
Left: 0.002+/-0.000 χ^2/NDF: 573737.3/8

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2356722.9/19

Out: 0.002+/-0.000 χ^2/NDF:5178621.5/23

All: 0.002+/-0.000 χ^2/NDF: 7679549.4/43



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.021 χ^2/NDF:8.7/4

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/3

Left: -0.000+/-0.011 χ^2/NDF: 12.5/8

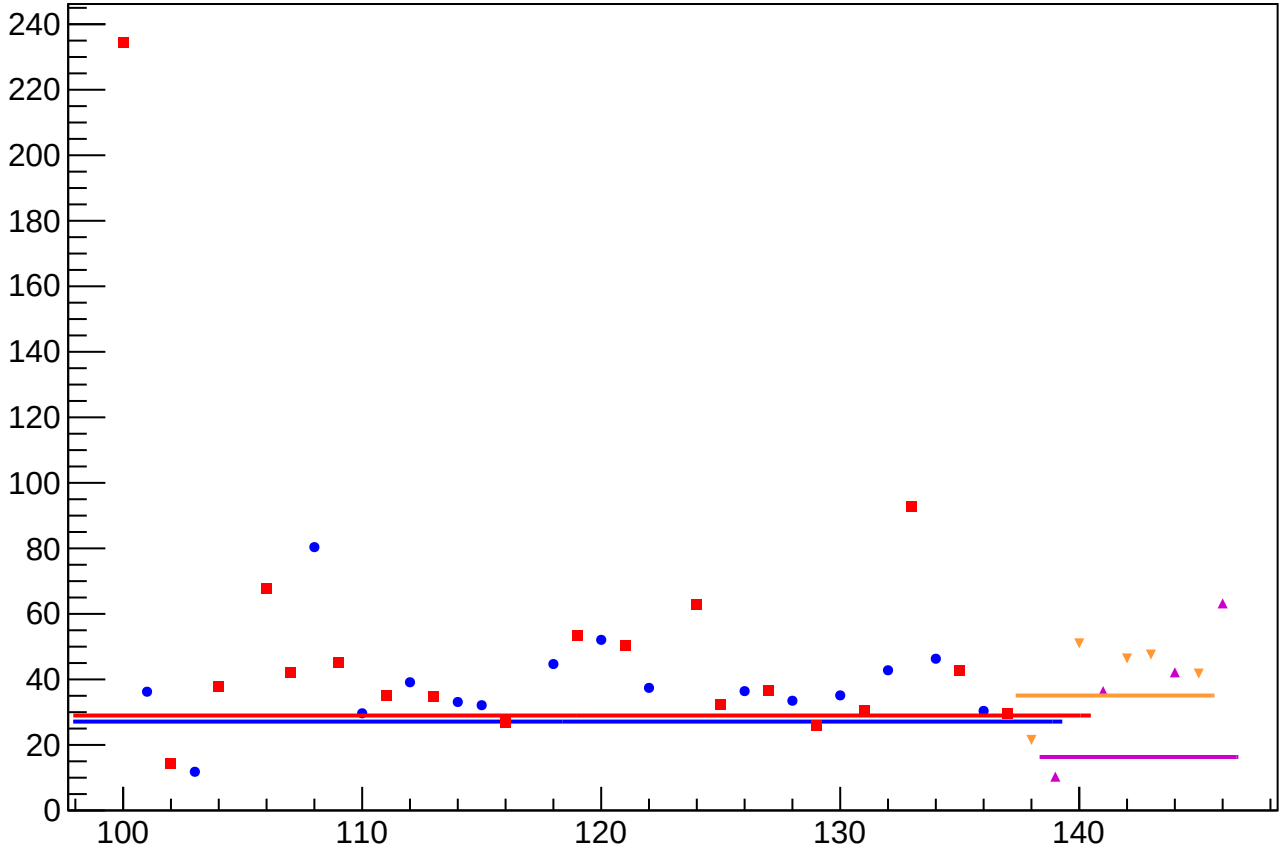
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/19

Out: -0.030+/-0.011 χ^2/NDF:21.7/23

All: -0.011+/-0.007 χ^2/NDF: 46.9/43

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: 35.080+/-0.015 χ^2/NDF:710589.8/4

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 16.317+/-0.009 χ^2/NDF:2338094.2/3

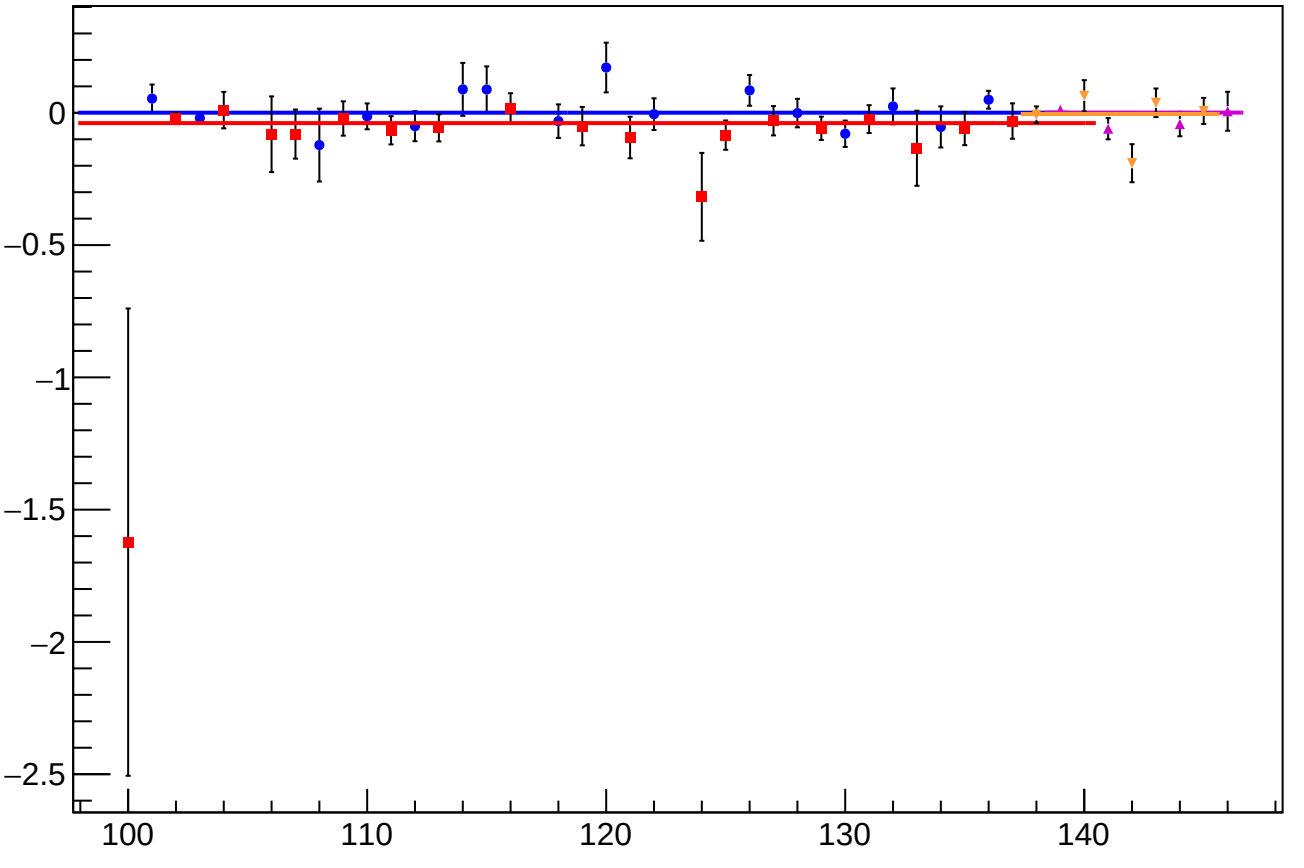
Left: 20.967+/-0.007 χ^2/NDF: 4238580.4/8

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 21.757+/-0.006 χ^2/NDF:5555737.7/19

Out: 30.592+/-0.008 χ^2/NDF:3289241.5/23

All: 25.138+/-0.005 χ^2/NDF: 9665045.1/43



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: -0.004+/-0.021 χ^2/NDF:8.7/4

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/3

Left: -0.000+/-0.011 χ^2/NDF: 12.5/8

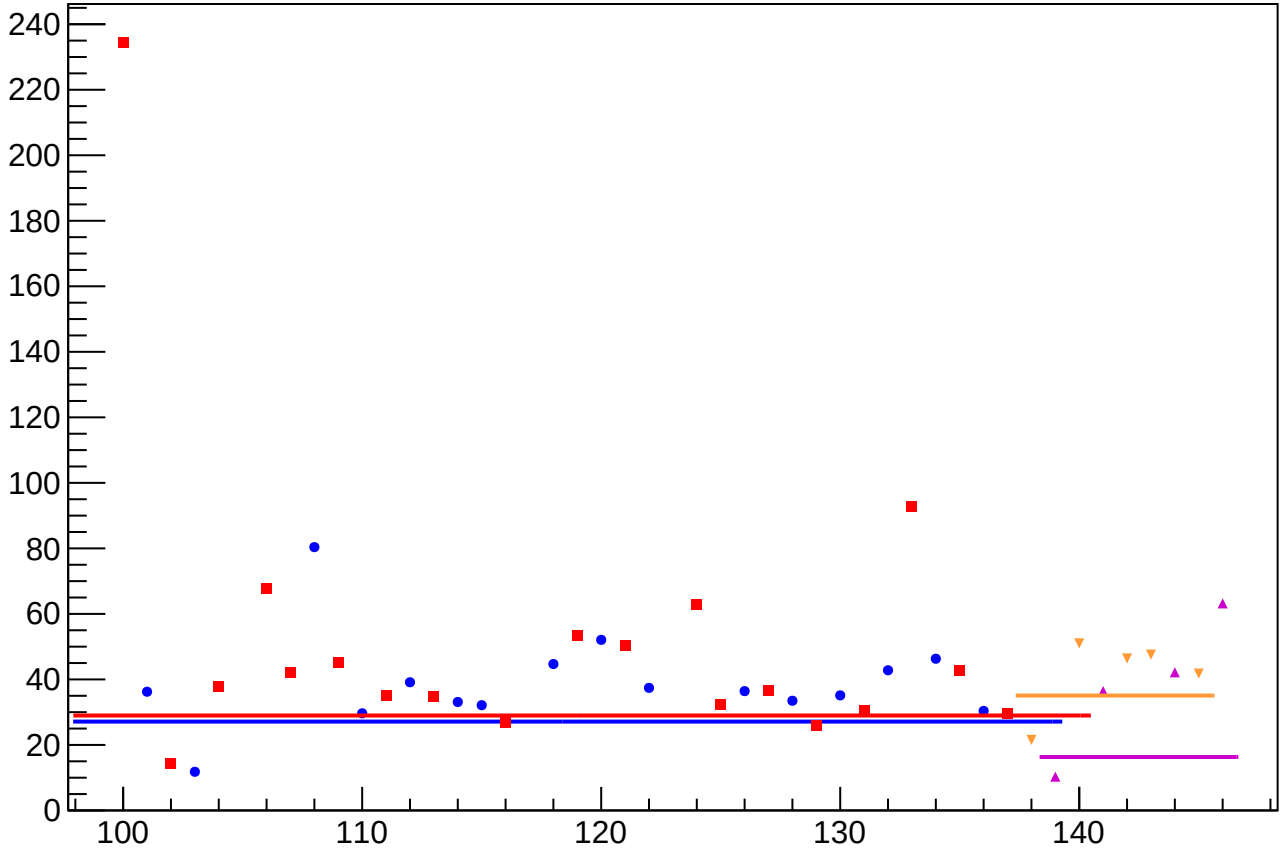
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/19

Out: -0.030+/-0.011 χ^2/NDF:21.7/23

All: -0.011+/-0.007 χ^2/NDF: 46.9/43

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: 35.080+/-0.015 χ^2/NDF:710589.8/4

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 16.317+/-0.009 χ^2/NDF:2338094.2/3

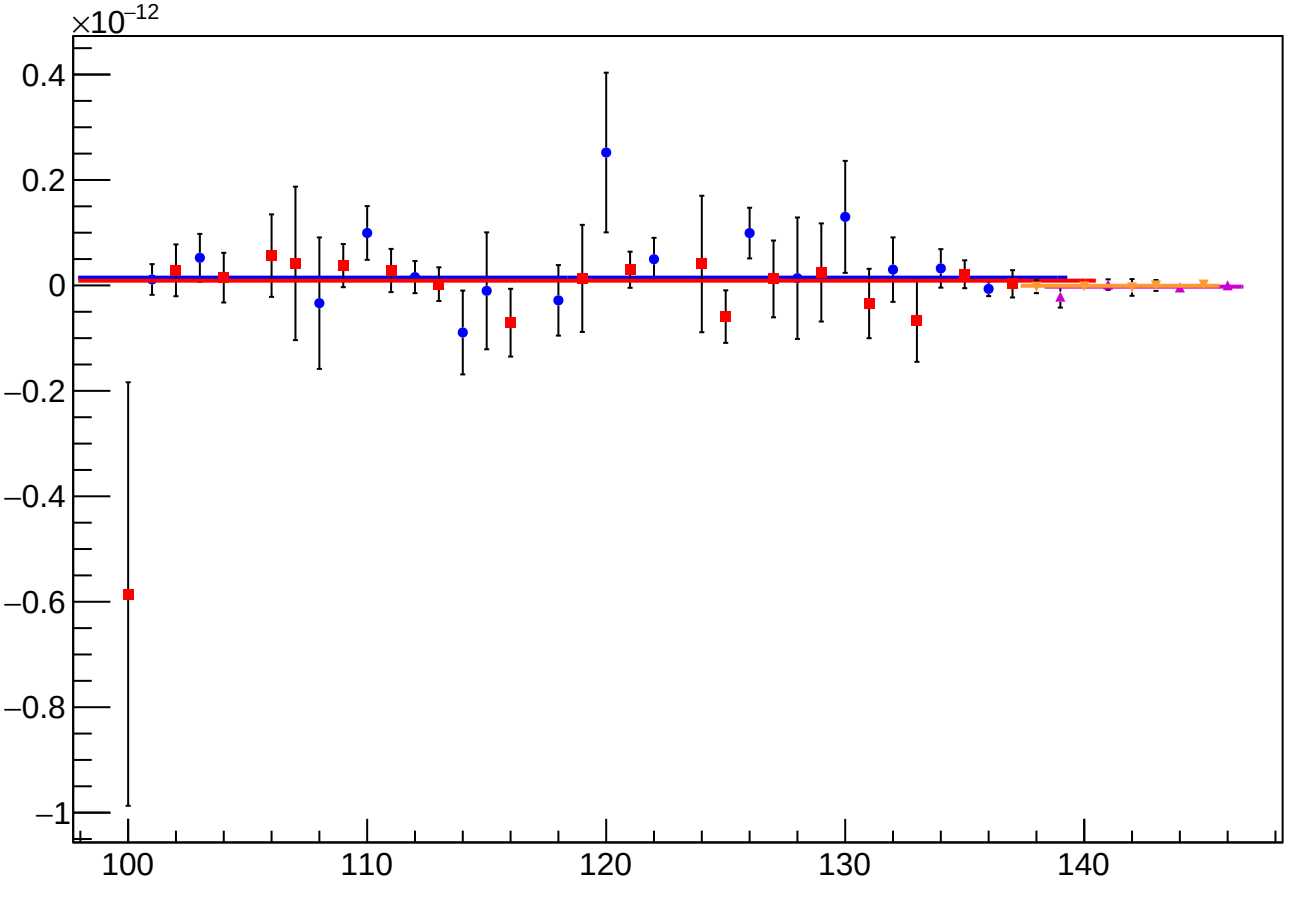
Left: 20.967+/-0.007 χ^2/NDF: 4238580.4/8

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 21.757+/-0.006 χ^2/NDF:5555737.7/19

Out: 30.592+/-0.008 χ^2/NDF:3289241.5/23

All: 25.138+/-0.005 χ^2/NDF: 9665045.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

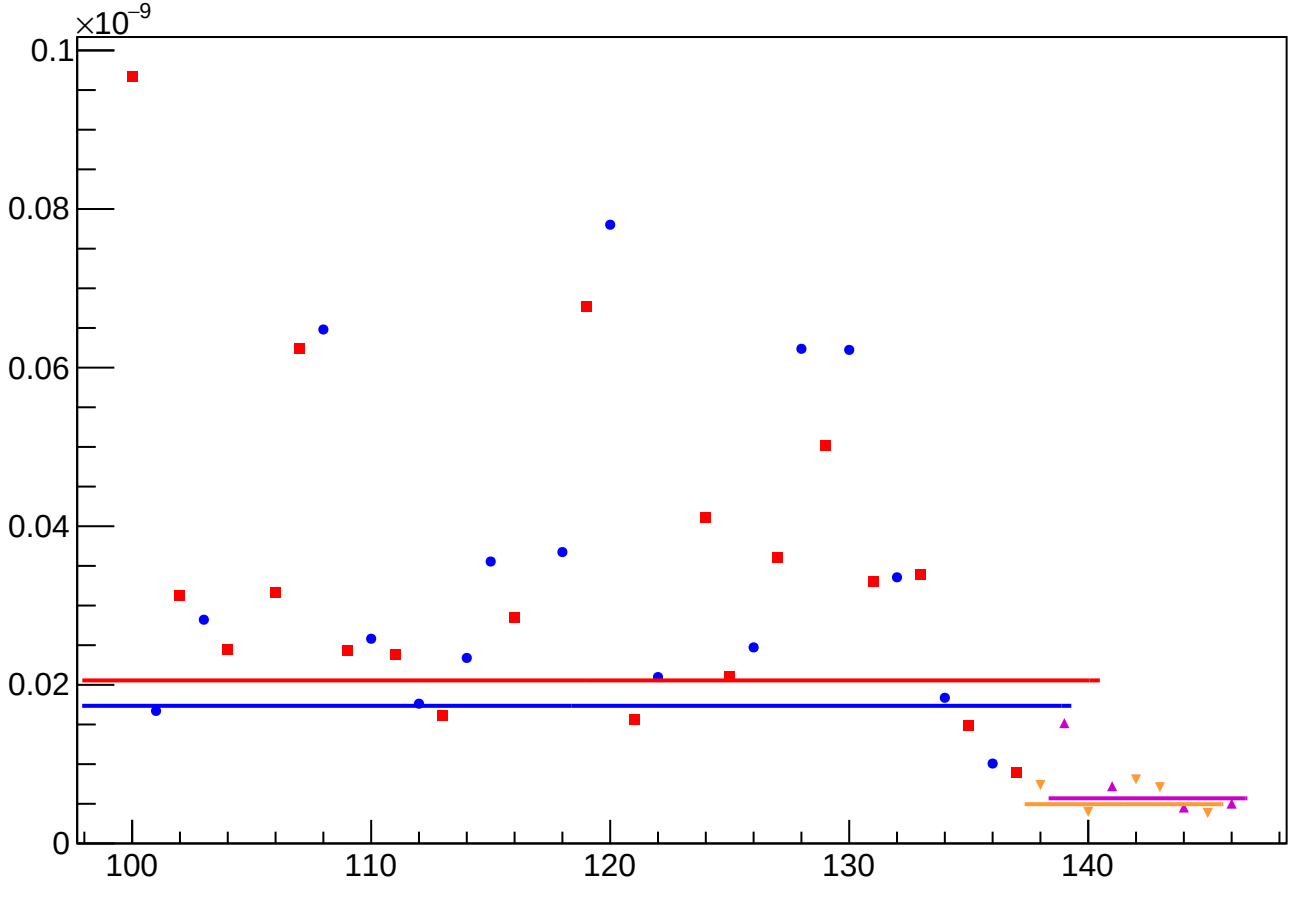
Left: -0.000+/-0.000 χ^2/NDF: 1.4/8

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:19.8/19

Out: 0.000+/-0.000 χ^2/NDF:10.0/23

All: 0.000+/-0.000 χ^2/NDF: 29.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:344665.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:539315.0/3

Left: 0.000+/-0.000 χ^2/NDF: 916034.1/8

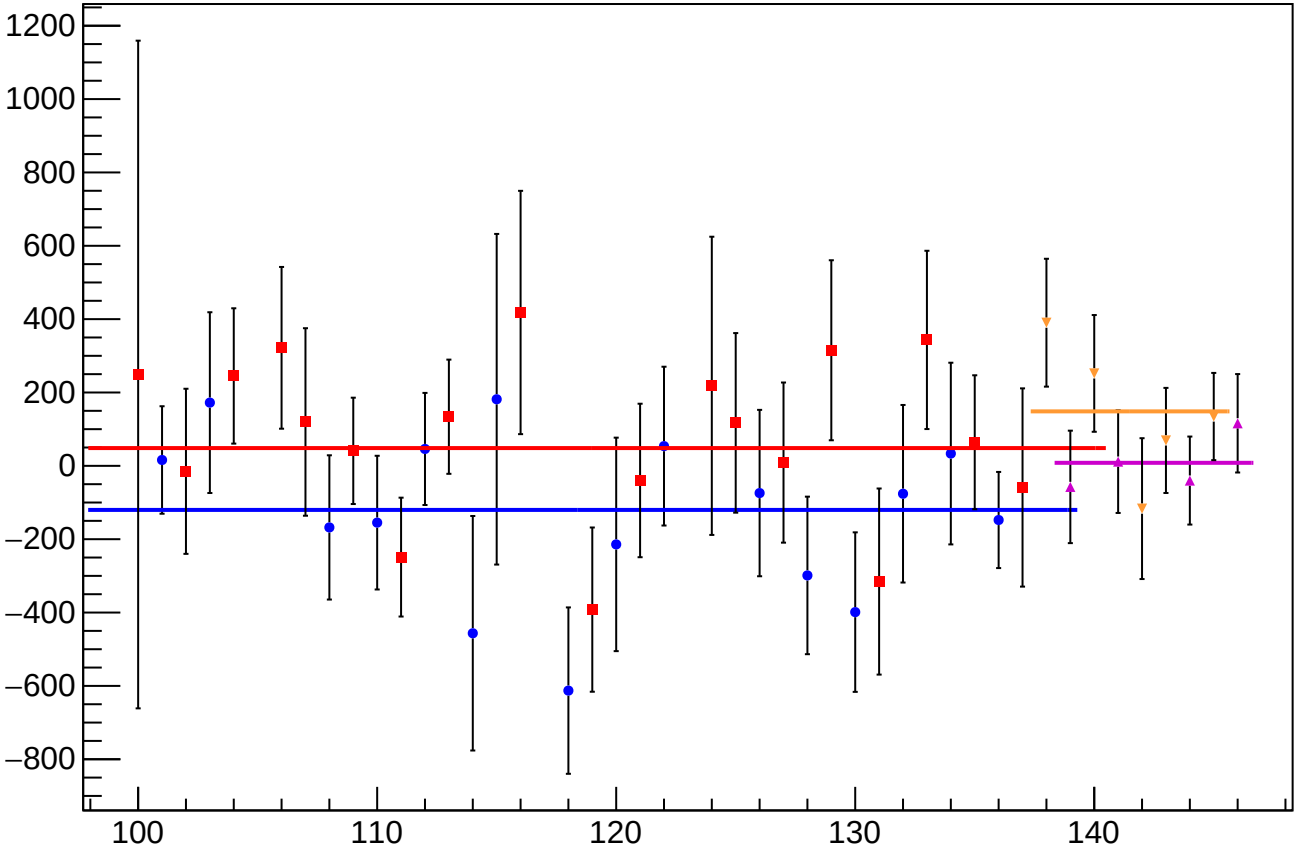
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:5478097.8/19

Out: 0.000+/-0.000 χ^2/NDF:5957771.8/23

All: 0.000+/-0.000 χ^2/NDF: 11515483.0/43

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 148.509+/-67.581 χ^2/NDF:4.6/4

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 8.253+/-67.641 χ^2/NDF:1.0/3

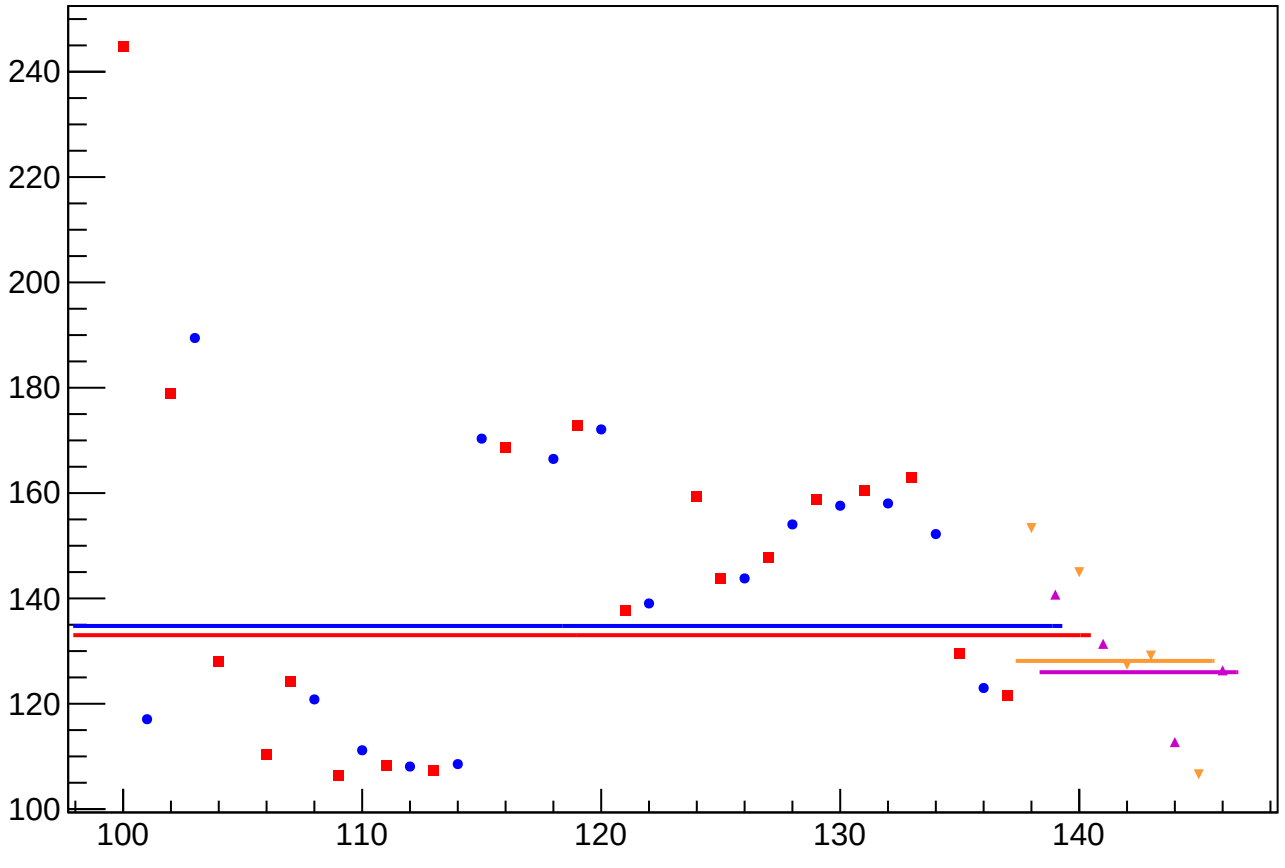
Left: 78.444+/-47.808 χ^2/NDF: 7.7/8

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -73.497+/-40.775 χ^2/NDF:16.7/19

Out: 83.762+/-40.148 χ^2/NDF:23.0/23

All: 6.350+/-28.608 χ^2/NDF: 47.2/43



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 128.133+/-0.048 χ^2/NDF:129994.8/4

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

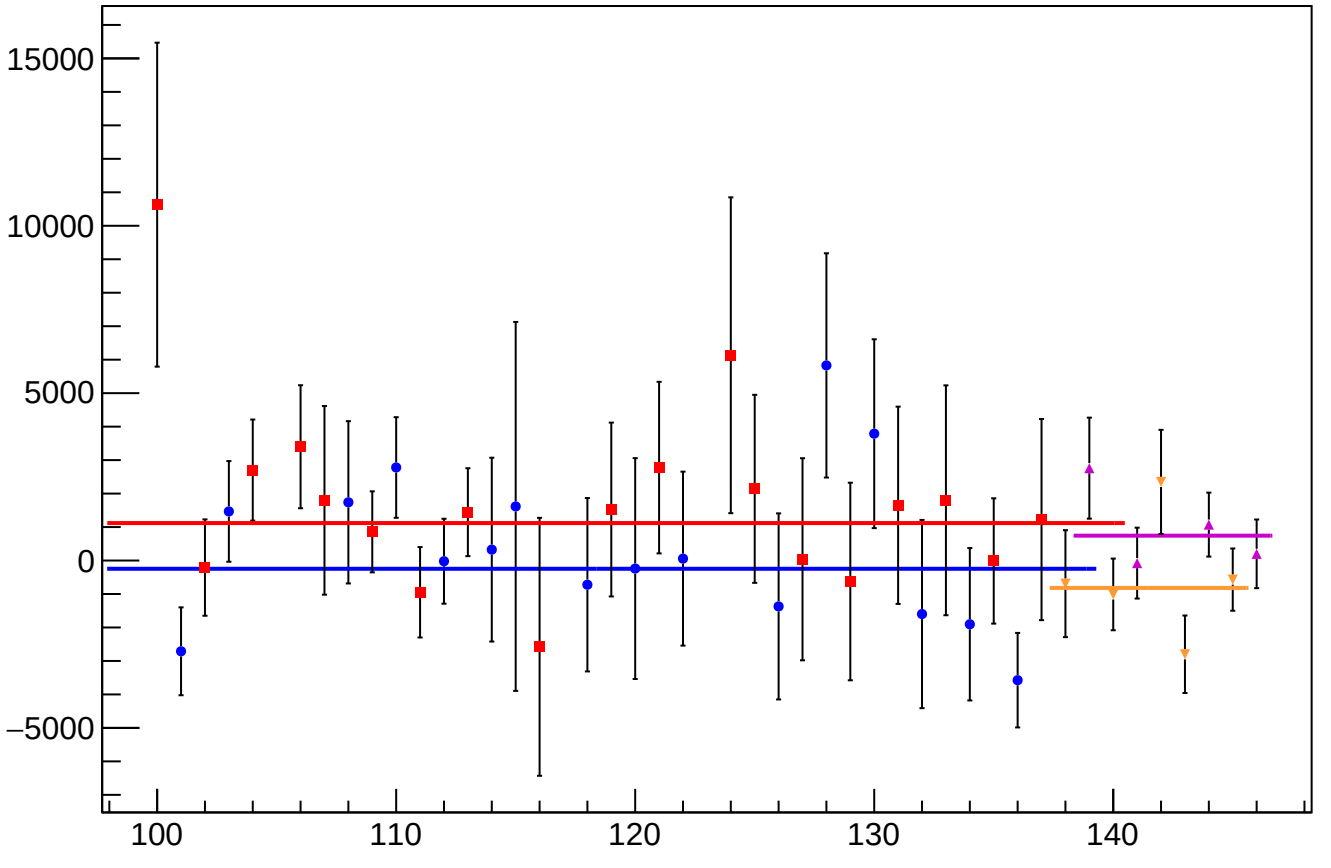
Left: 127.063+/-0.034 χ^2/NDF: 176896.1/8

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 131.580+/-0.029 χ^2/NDF:484132.3/19

Out: 131.295+/-0.028 χ^2/NDF:632477.9/23

All: 131.435+/-0.020 χ^2/NDF: 1116660.0/43



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -818.591+/-528.328 χ^2/NDF:7.2/4

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 742.876+/-544.061 χ^2/NDF:2.8/3

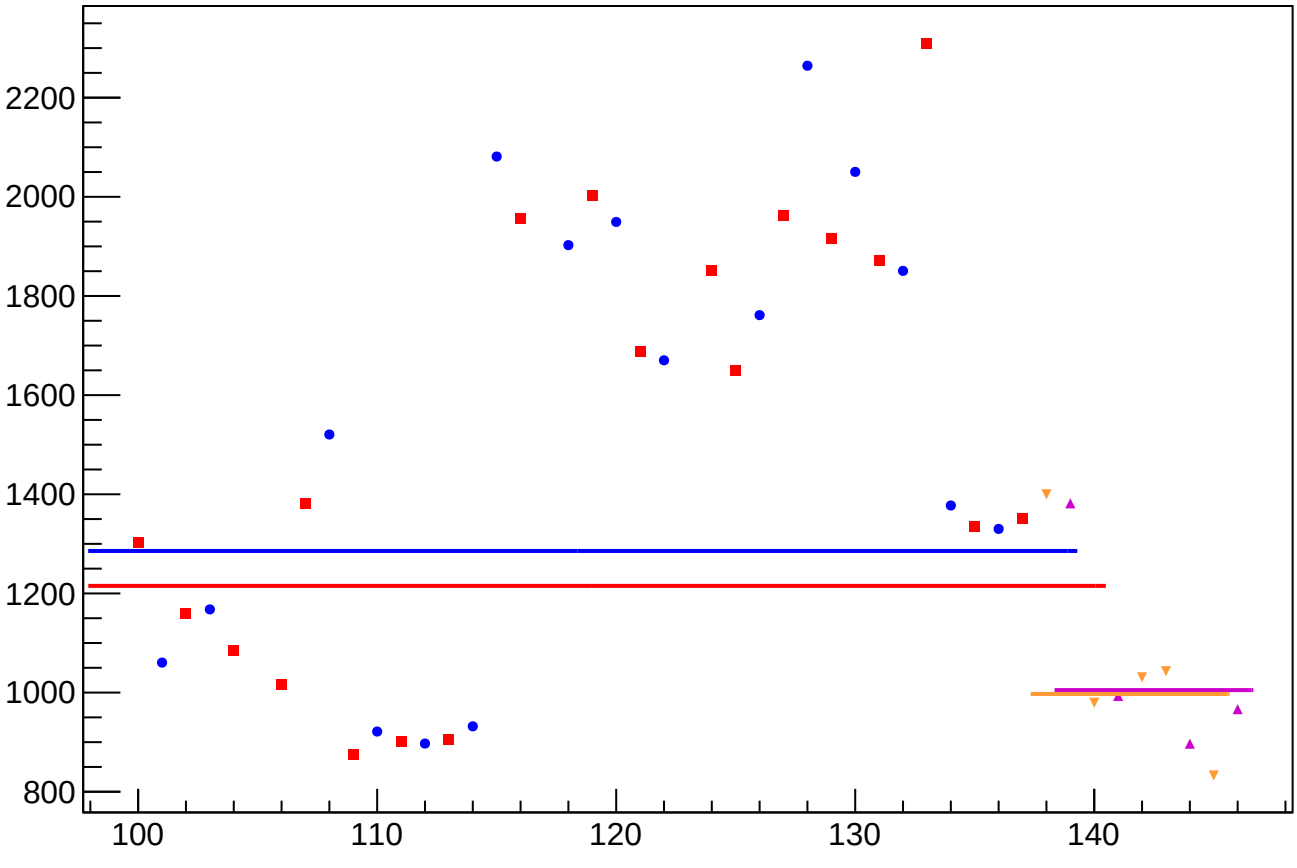
Left: -60.760+/-379.024 χ^2/NDF: 14.2/8

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 207.973+/-368.709 χ^2/NDF:26.2/19

Out: 266.519+/-350.490 χ^2/NDF:28.1/23

All: 238.728+/-254.030 χ^2/NDF: 54.3/43



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 997.230+/-0.374 χ^2/NDF:194245.3/4

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1005.024+/-0.385 χ^2/NDF:153323.6/3

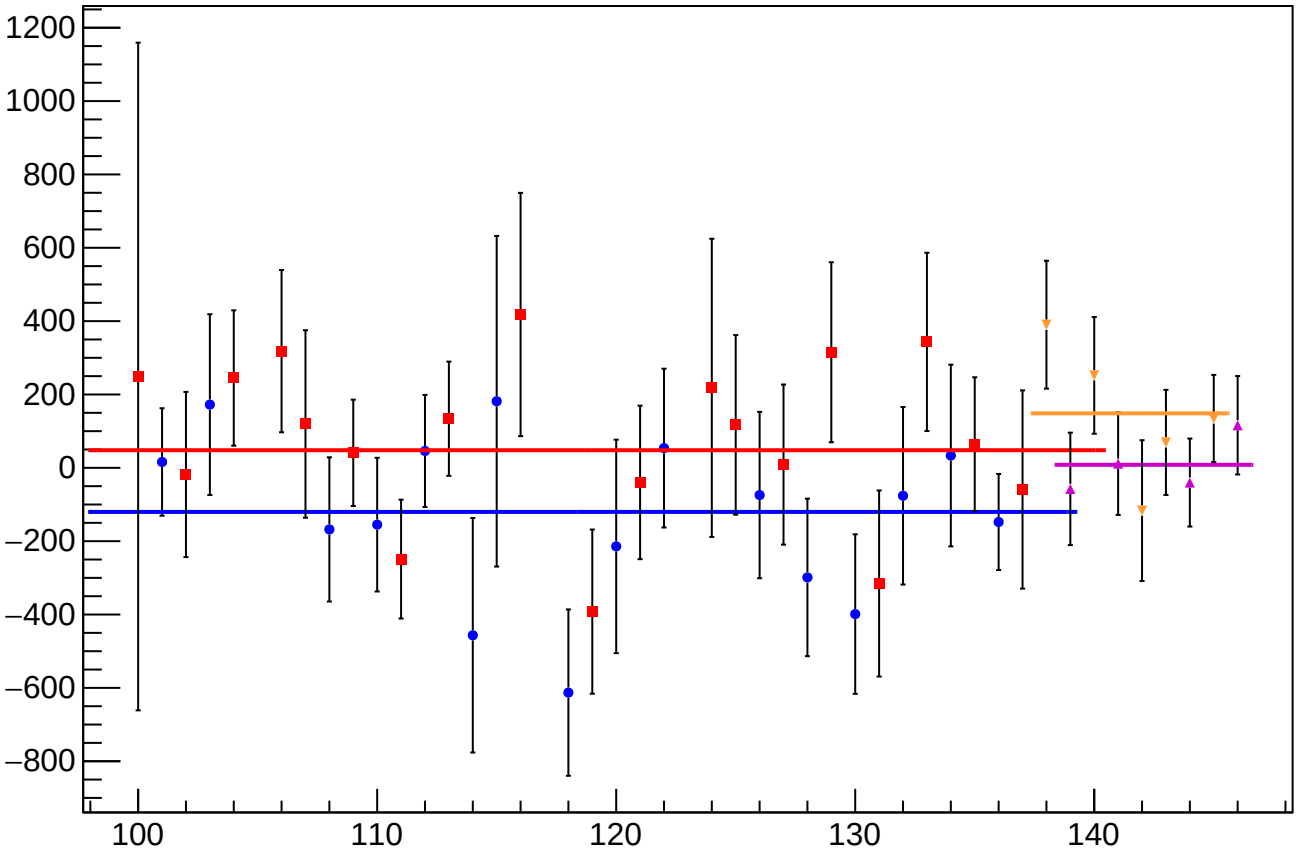
Left: 1001.012+/-0.268 χ^2/NDF: 347780.3/8

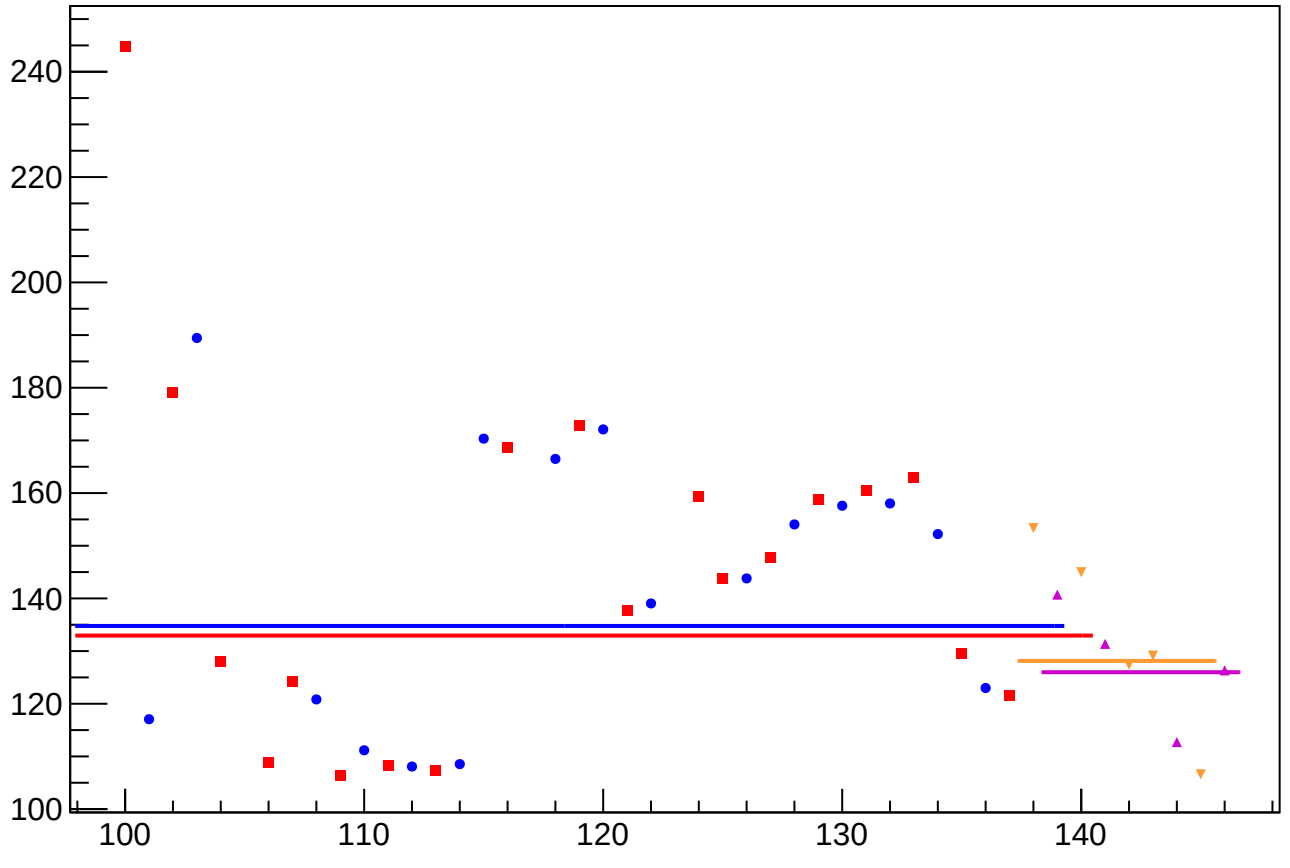
Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1156.775+/-0.261 χ^2/NDF:1611516.3/19

Out: 1119.294+/-0.248 χ^2/NDF:1771205.8/23

All: 1137.086+/-0.180 χ^2/NDF: 3393579.2/43


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
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 148.530+/-67.581 χ²/NDF:4.6/4
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 8.266+/-67.641 χ²/NDF:1.0/3
Left: 78.461+/-47.808 χ²/NDF: 7.7/8
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -73.499+/-40.775 χ²/NDF:16.7/19
Out: 83.496+/-40.153 χ²/NDF:23.0/23
All: 6.205+/-28.610 χ²/NDF: 47.2/43



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 128.133+/-0.048 χ^2/NDF:129994.8/4

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

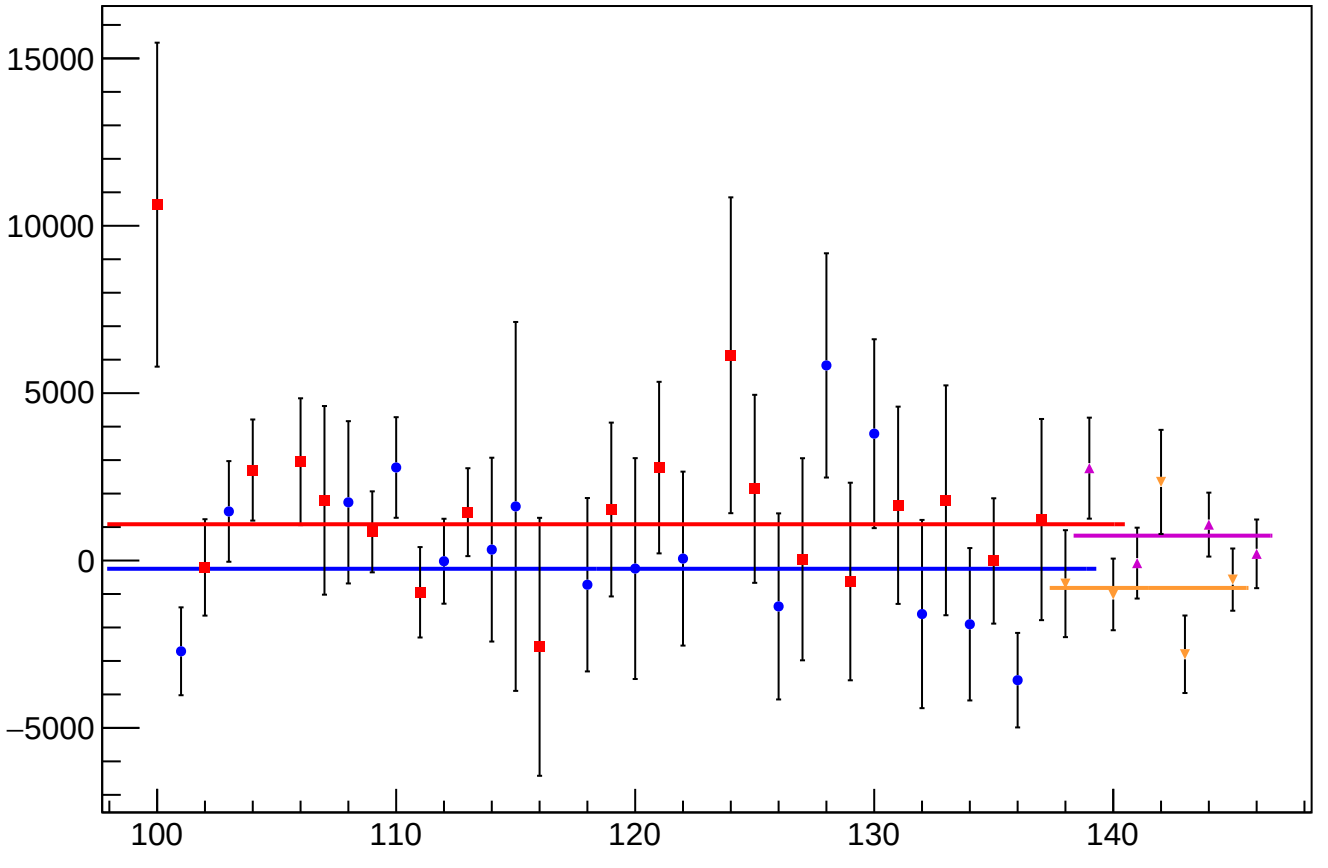
Left: 127.063+/-0.034 χ^2/NDF: 176896.1/8

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 131.580+/-0.029 χ^2/NDF:484135.4/19

Out: 131.248+/-0.028 χ^2/NDF:635411.6/23

All: 131.411+/-0.020 χ^2/NDF: 1119614.8/43



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -818.573+/-528.328 χ^2/NDF:7.2/4

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 742.890+/-544.061 χ^2/NDF:2.8/3

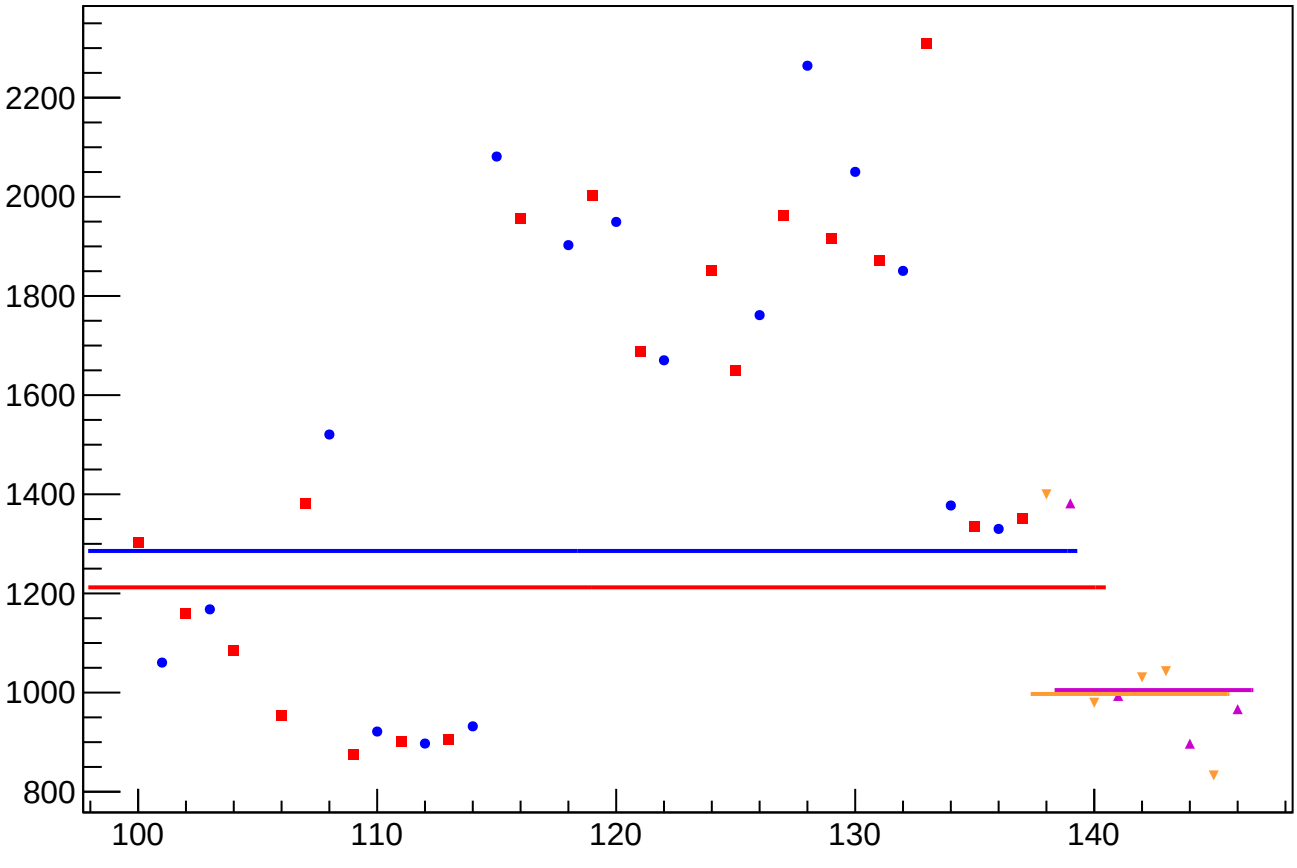
Left: -60.745+/-379.024 χ^2/NDF: 14.2/8

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 207.946+/-368.711 χ^2/NDF:26.2/19

Out: 244.899+/-350.876 χ^2/NDF:27.2/23

All: 227.338+/-254.178 χ^2/NDF: 53.4/43



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 997.229+/-0.374 χ^2/NDF:194245.8/4

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1005.025+/-0.385 χ^2/NDF:153322.7/3

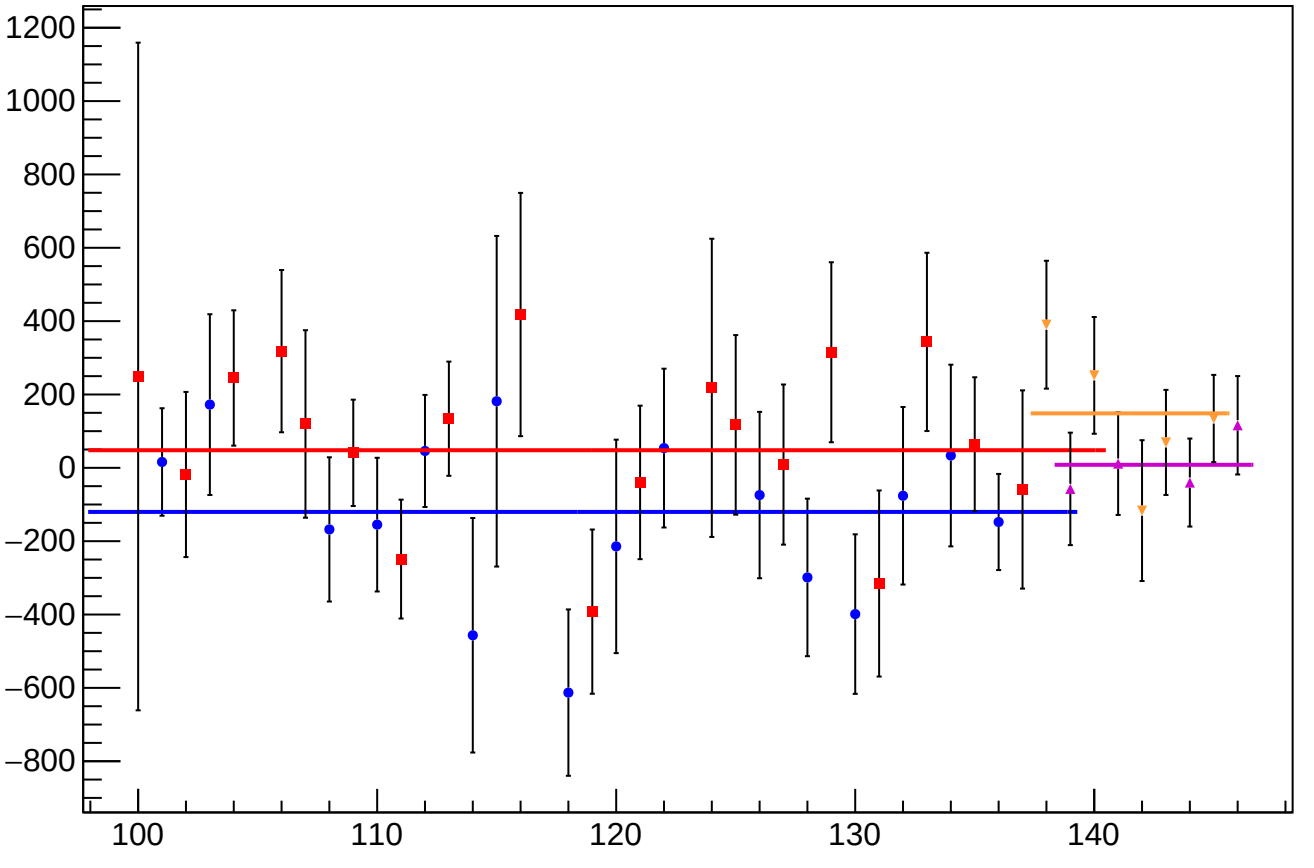
Left: 1001.012+/-0.268 χ^2/NDF: 347779.8/8

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1156.782+/-0.261 χ^2/NDF:1611514.1/19

Out: 1117.426+/-0.248 χ^2/NDF:1780086.2/23

All: 1136.129+/-0.180 χ^2/NDF: 3403557.6/43



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 148.530+/-67.581 χ^2/NDF:4.6/4

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 8.266+/-67.641 χ^2/NDF:1.0/3

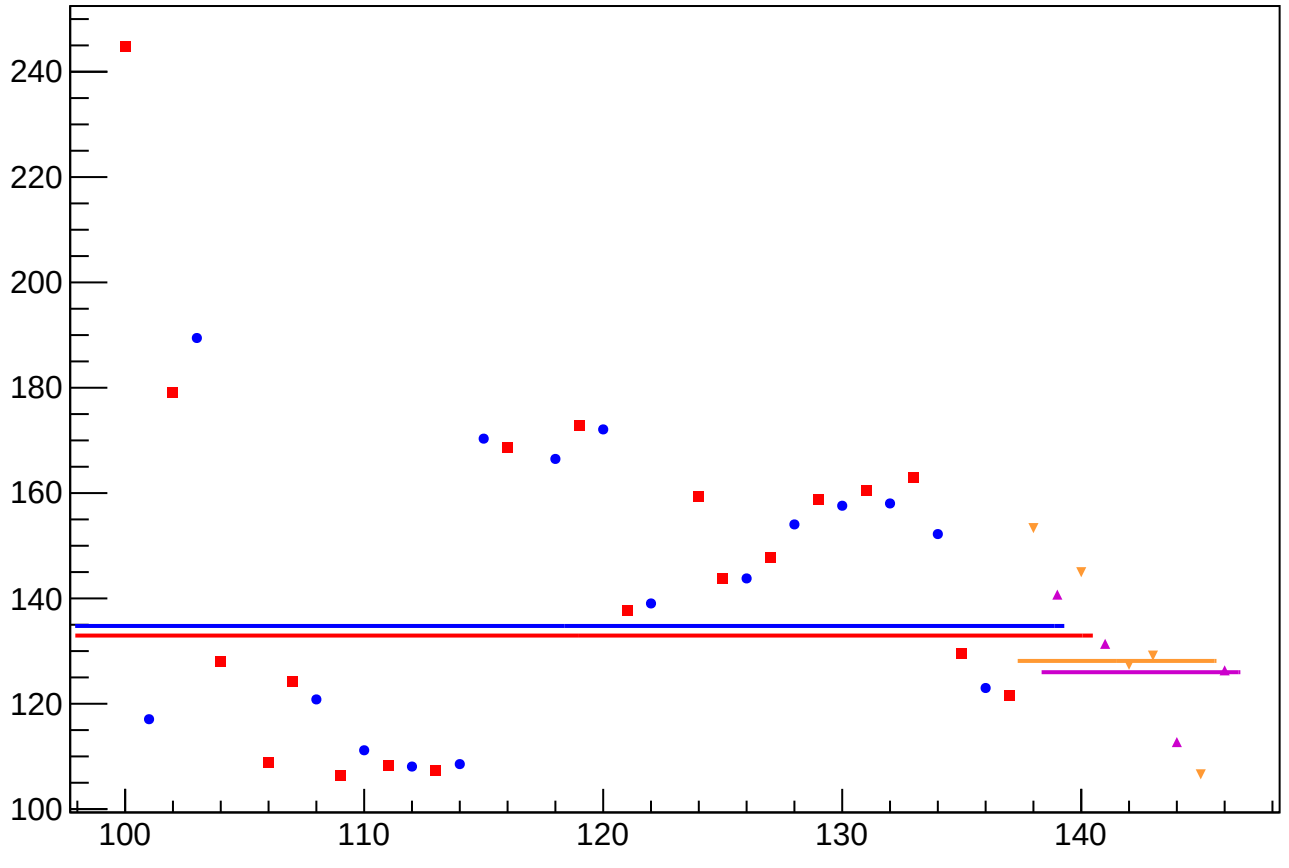
Left: 78.461+/-47.808 χ^2/NDF: 7.7/8

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -73.499+/-40.775 χ^2/NDF:16.7/19

Out: 83.496+/-40.153 χ^2/NDF:23.0/23

All: 6.205+/-28.610 χ^2/NDF: 47.2/43



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 128.133+/-0.048 χ^2/NDF:129994.8/4

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

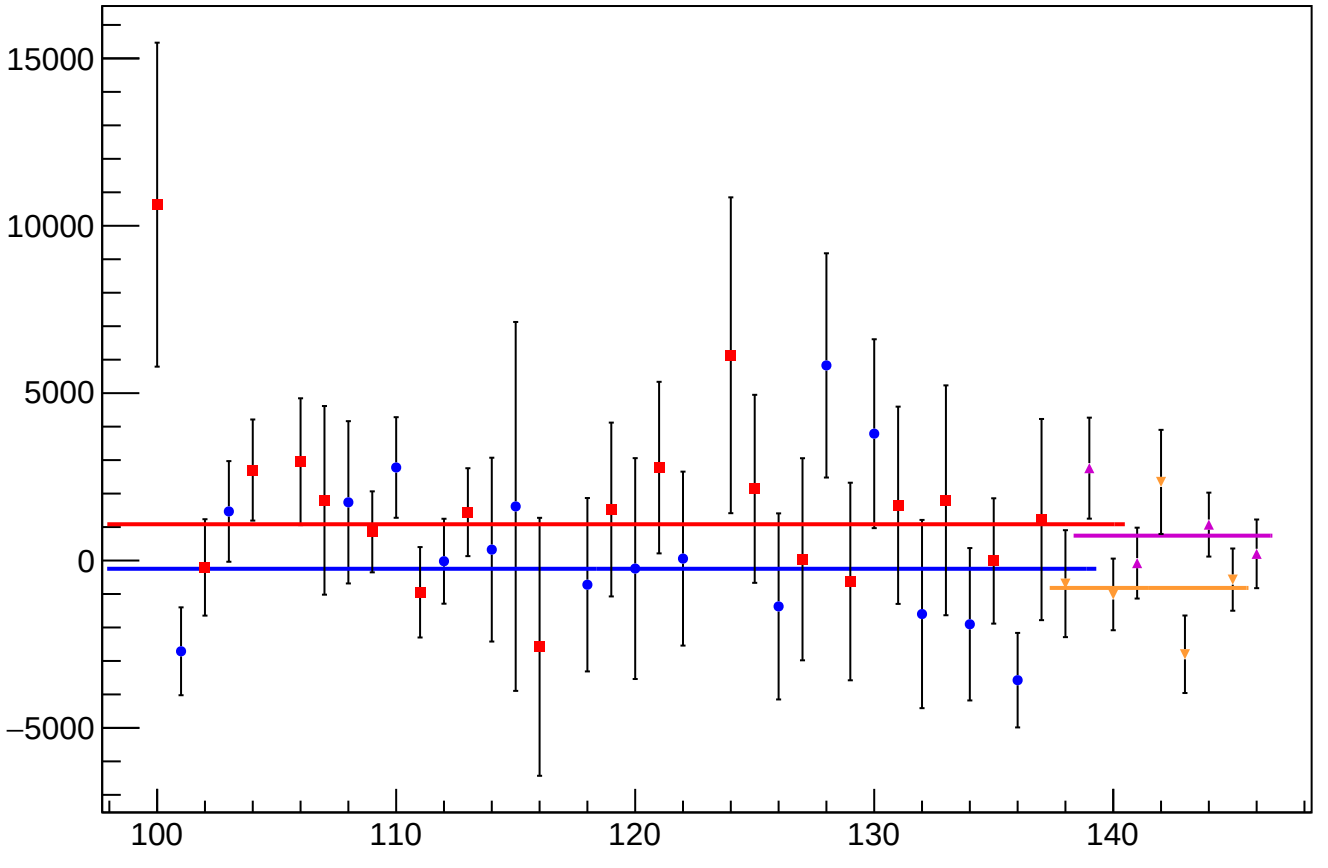
Left: 127.063+/-0.034 χ^2/NDF: 176896.1/8

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 131.580+/-0.029 χ^2/NDF:484135.4/19

Out: 131.248+/-0.028 χ^2/NDF:635411.6/23

All: 131.411+/-0.020 χ^2/NDF: 1119614.8/43



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -818.573+/-528.328 χ^2/NDF:7.2/4

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 742.890+/-544.061 χ^2/NDF:2.8/3

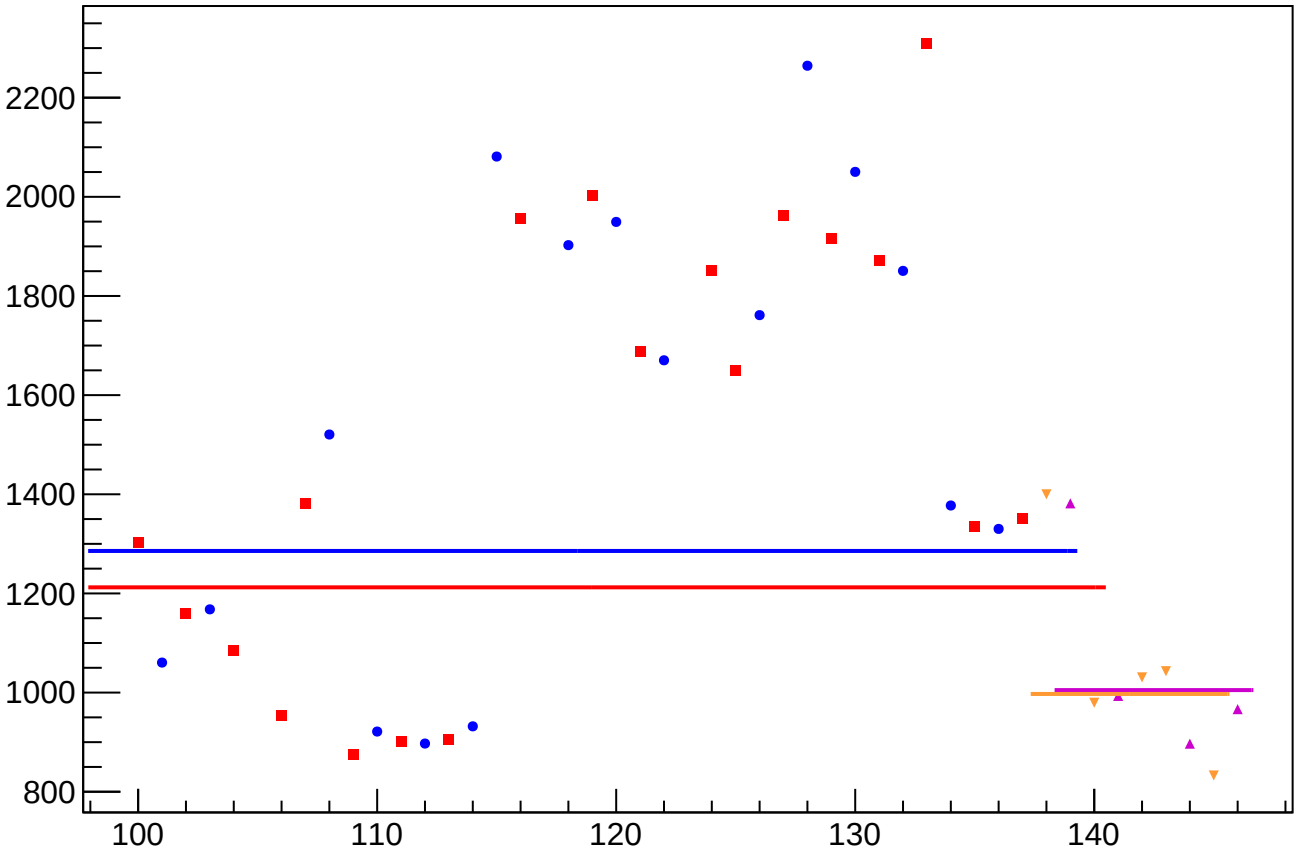
Left: -60.745+/-379.024 χ^2/NDF: 14.2/8

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 207.946+/-368.711 χ^2/NDF:26.2/19

Out: 244.899+/-350.876 χ^2/NDF:27.2/23

All: 227.338+/-254.178 χ^2/NDF: 53.4/43



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 997.229+/-0.374 χ^2/NDF:194245.8/4

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1005.025+/-0.385 χ^2/NDF:153322.7/3

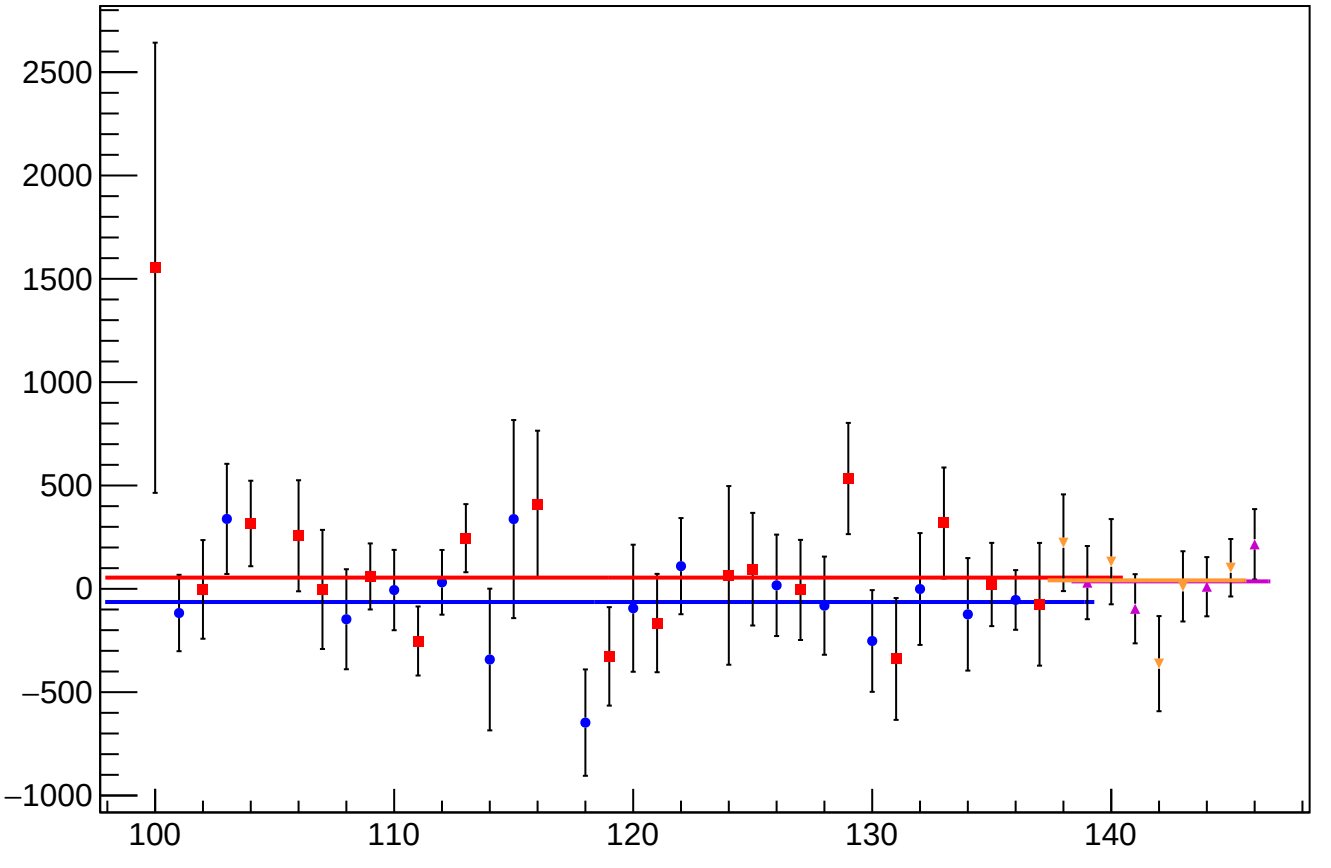
Left: 1001.012+/-0.268 χ^2/NDF: 347779.8/8

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1156.782+/-0.261 χ^2/NDF:1611514.1/19

Out: 1117.426+/-0.248 χ^2/NDF:1780086.2/23

All: 1136.129+/-0.180 χ^2/NDF: 3403557.6/43



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 40.965+/-82.482 χ^2/NDF:4.1/4

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 36.041+/-81.433 χ^2/NDF:1.8/3

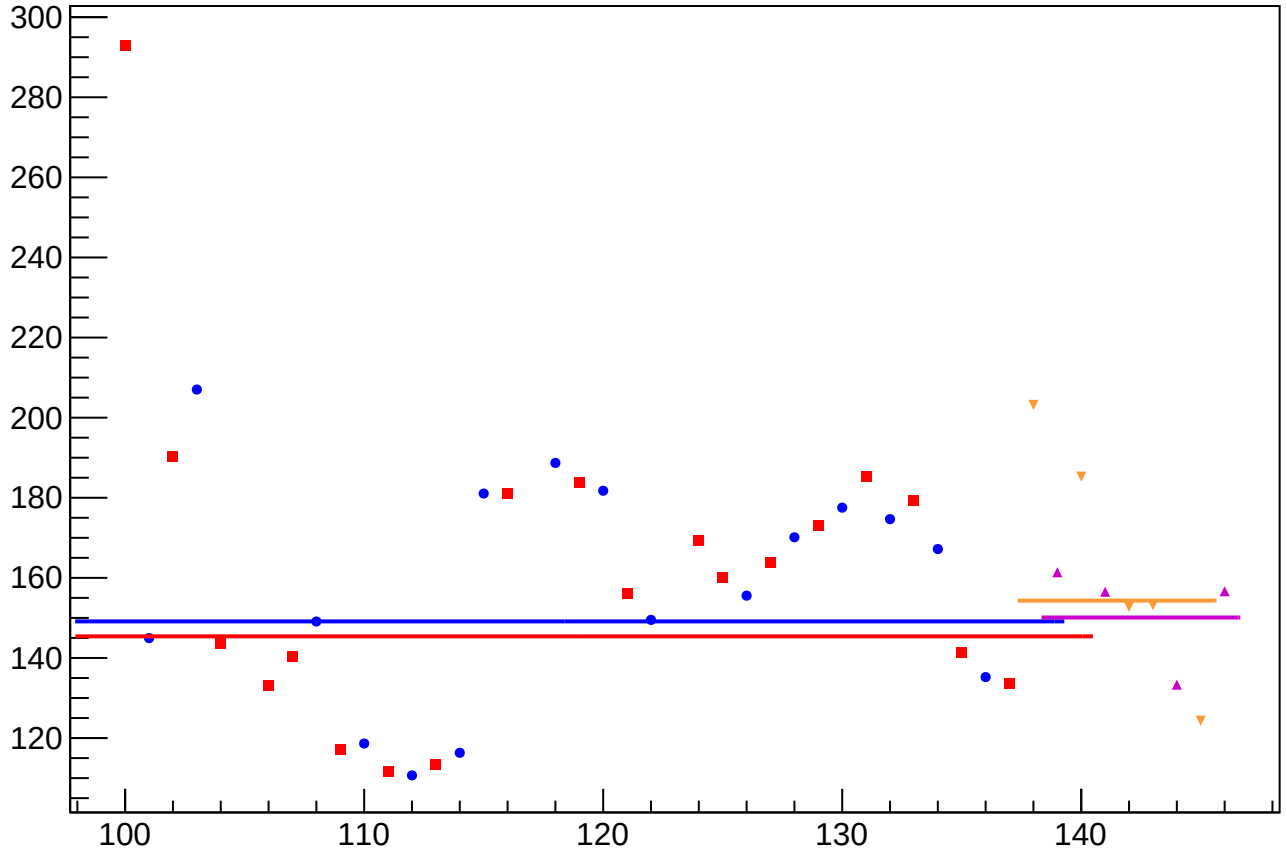
Left: 38.472+/-57.949 χ^2/NDF: 5.9/8

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: -31.162+/-46.550 χ^2/NDF:13.6/19

Out: 50.226+/-45.611 χ^2/NDF:23.6/23

All: 10.361+/-32.579 χ^2/NDF: 38.8/43



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 154.323+/-0.058 χ^2/NDF:225503.1/4

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 150.102+/-0.058 χ^2/NDF:41445.2/3

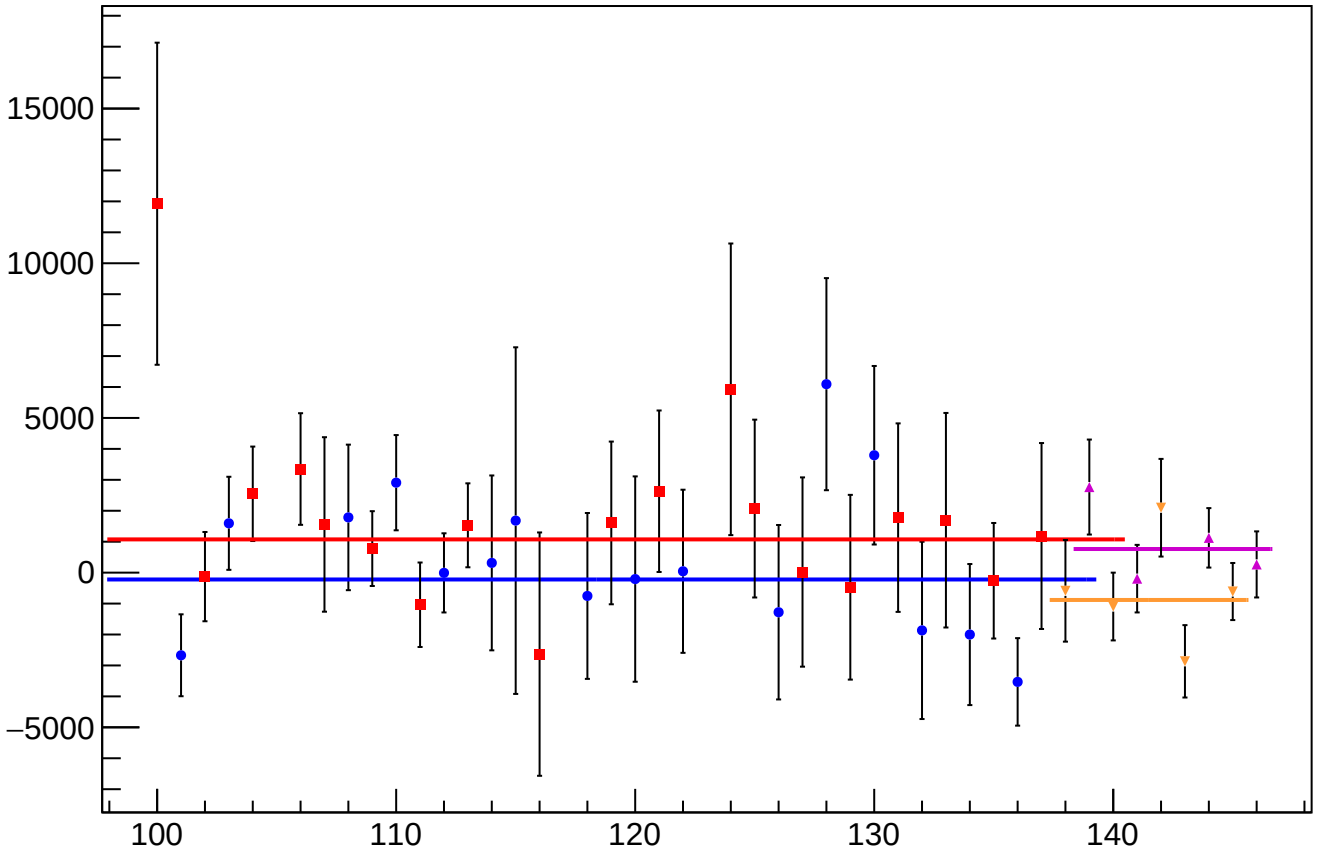
Left: 152.185+/-0.041 χ^2/NDF: 269600.6/8

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 149.448+/-0.033 χ^2/NDF:492640.3/19

Out: 148.128+/-0.032 χ^2/NDF:767573.9/23

All: 148.774+/-0.023 χ^2/NDF: 1261034.5/43



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -883.288+/-533.645 χ^2/NDF:6.6/4

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 763.770+/-557.099 χ^2/NDF:2.8/3

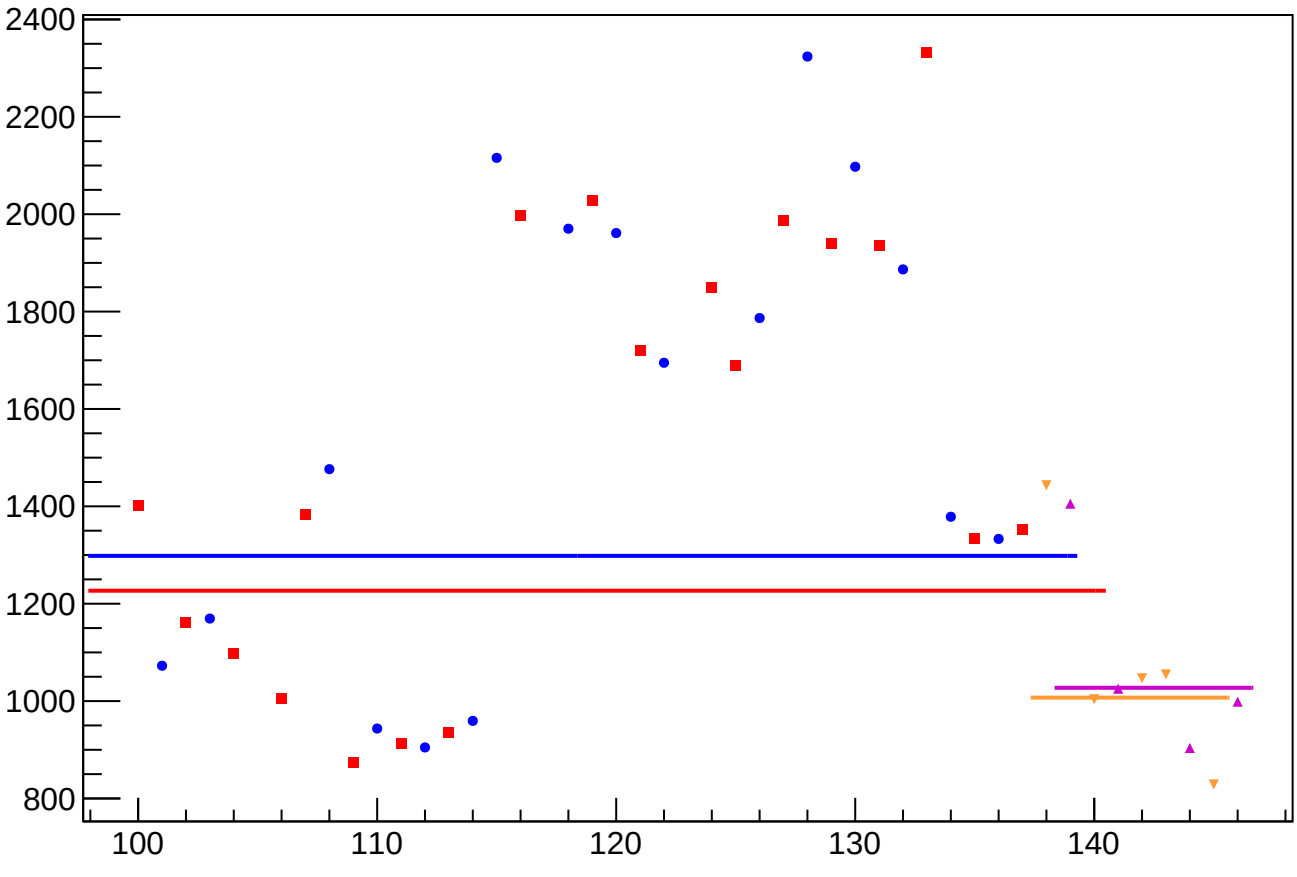
Left: -95.159+/-385.369 χ^2/NDF: 14.0/8

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 224.223+/-374.643 χ^2/NDF:26.4/19

Out: 213.463+/-353.892 χ^2/NDF:27.8/23

All: 218.537+/-257.263 χ^2/NDF: 54.2/43



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1007.157+/-0.377 χ^2/NDF:220339.8/4

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1027.363+/-0.394 χ^2/NDF:155859.5/3

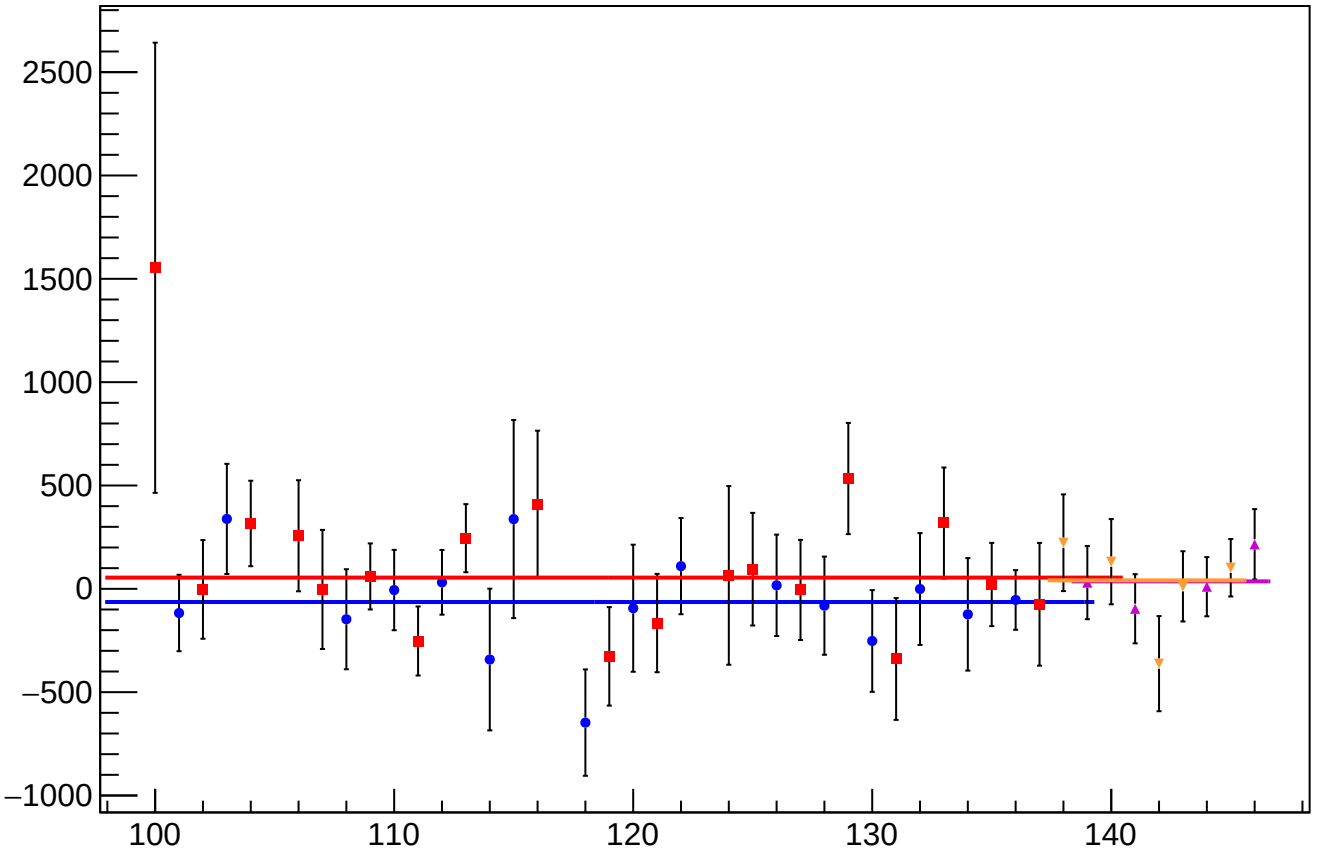
Left: 1016.826+/-0.272 χ^2/NDF: 377571.5/8

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1175.767+/-0.265 χ^2/NDF:1597082.2/19

Out: 1130.165+/-0.250 χ^2/NDF:1814547.1/23

All: 1151.668+/-0.182 χ^2/NDF: 3427289.0/43



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 40.965+/-82.482 χ^2/NDF:4.1/4

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 36.042+/-81.433 χ^2/NDF:1.8/3

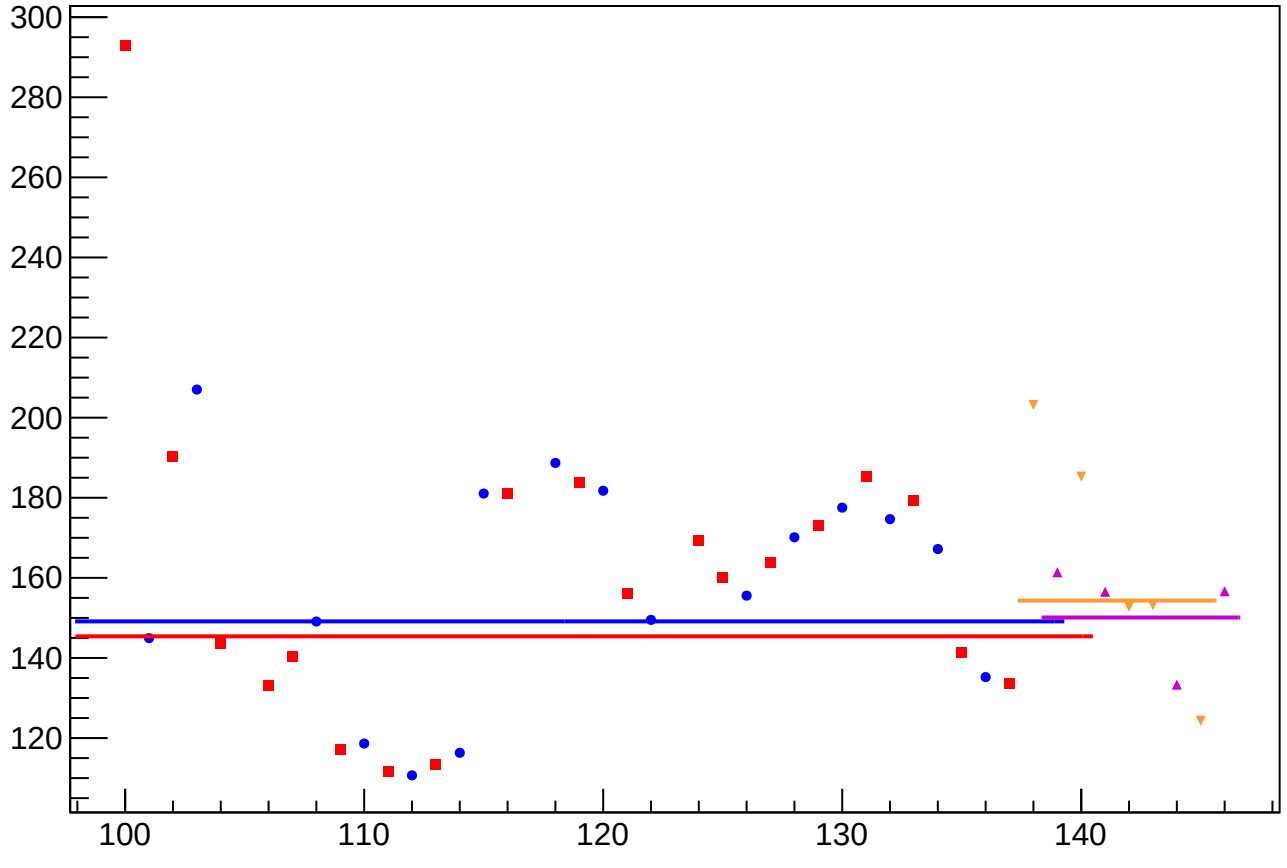
Left: 38.471+/-57.949 χ^2/NDF: 5.9/8

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -31.160+/-46.550 χ^2/NDF:13.6/19

Out: 50.225+/-45.611 χ^2/NDF:23.6/23

All: 10.362+/-32.579 χ^2/NDF: 38.8/43



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 154.323+/-0.058 χ^2/NDF:225497.3/4

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 150.102+/-0.058 χ^2/NDF:41444.0/3

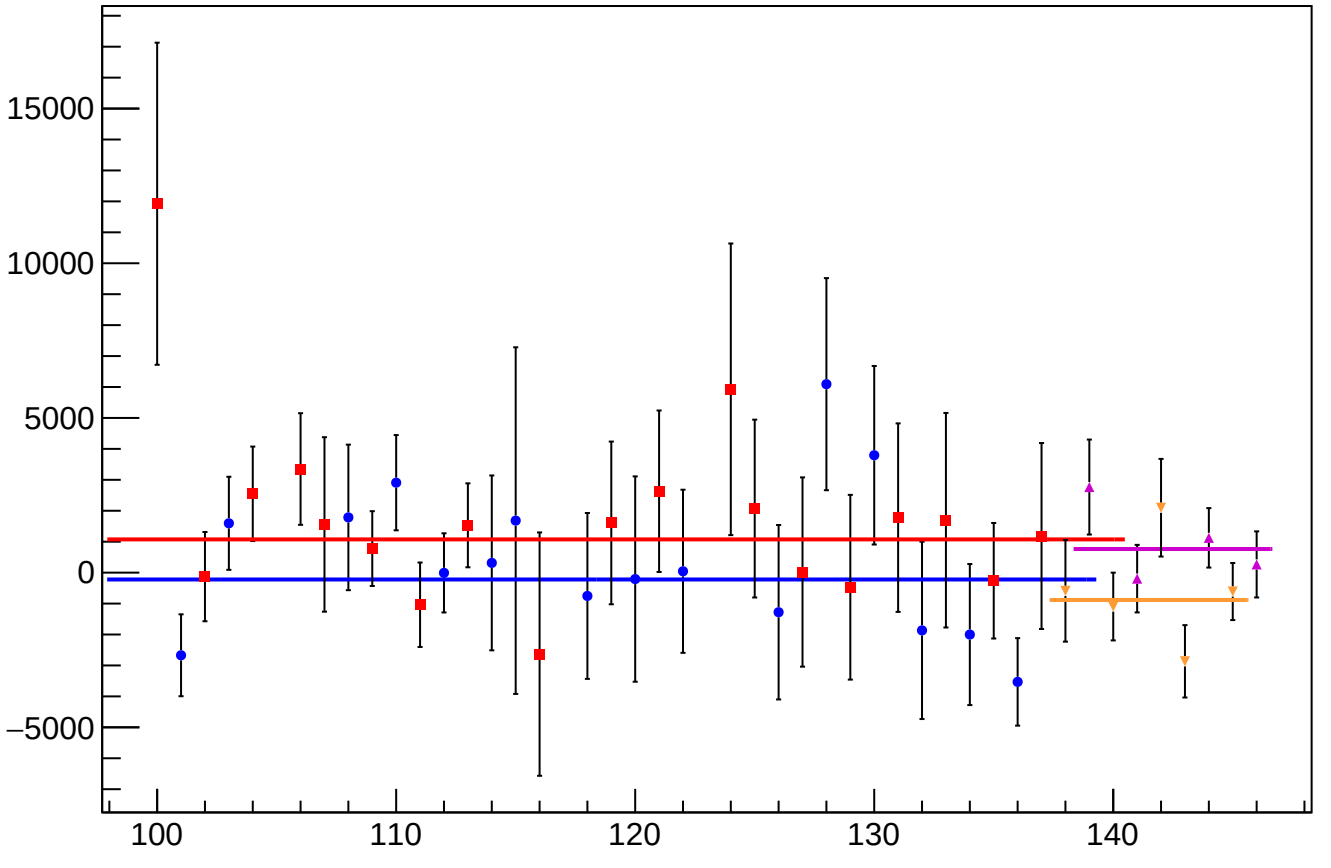
Left: 152.186+/-0.041 χ^2/NDF: 269593.8/8

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 149.448+/-0.033 χ^2/NDF:492640.8/19

Out: 148.128+/-0.032 χ^2/NDF:767572.3/23

All: 148.774+/-0.023 χ^2/NDF: 1261033.4/43



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -883.289+/-533.644 χ^2/NDF:6.6/4

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 763.770+/-557.099 χ^2/NDF:2.8/3

Left: -95.161+/-385.368 χ^2/NDF: 14.0/8

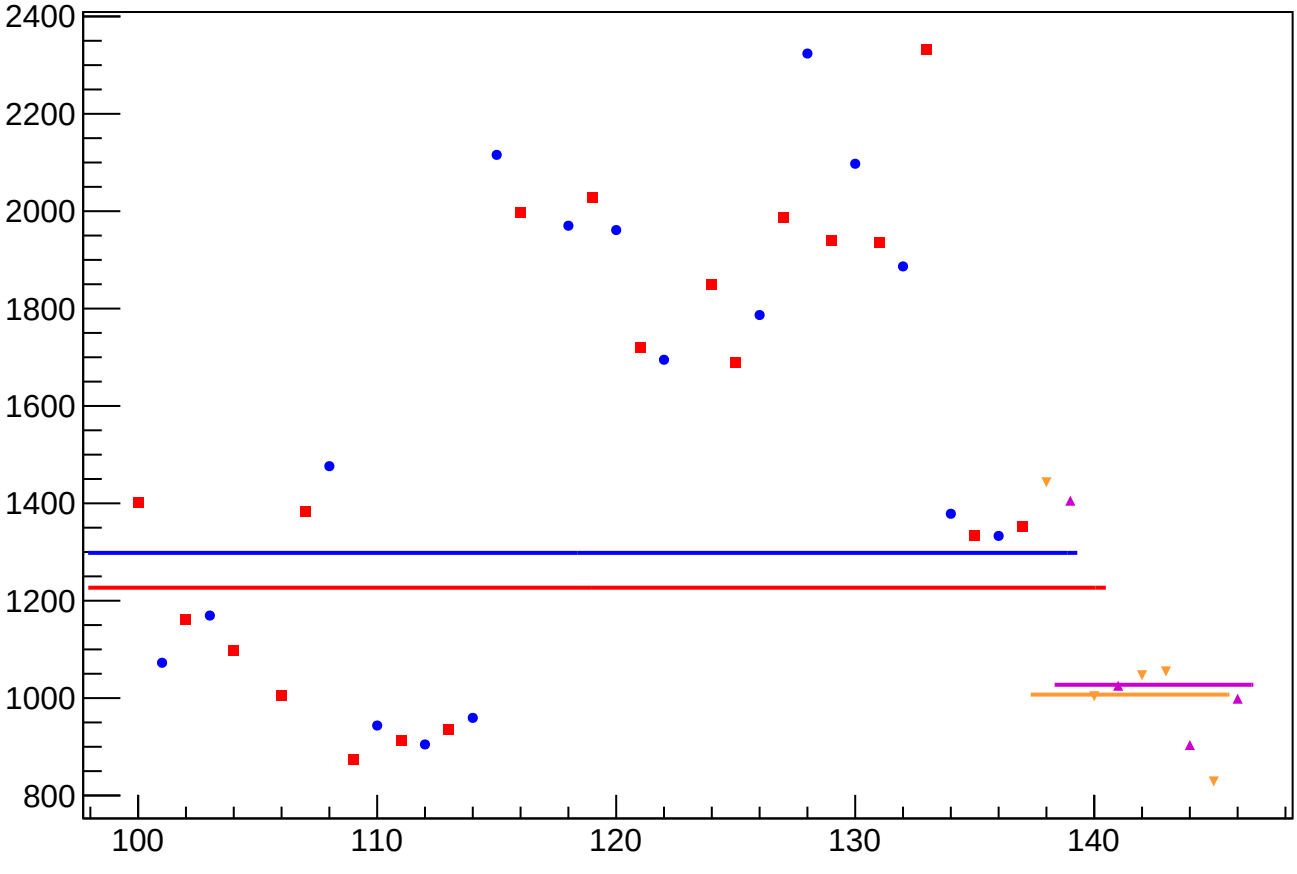
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 224.223+/-374.643 χ^2/NDF:26.4/19

Out: 213.461+/-353.892 χ^2/NDF:27.8/23

All: 218.536+/-257.263 χ^2/NDF: 54.2/43

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: 1007.155+/-0.377 χ^2/NDF:220340.9/4

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1027.362+/-0.394 χ^2/NDF:155859.2/3

Left: 1016.824+/-0.272 χ^2/NDF: 377572.4/8

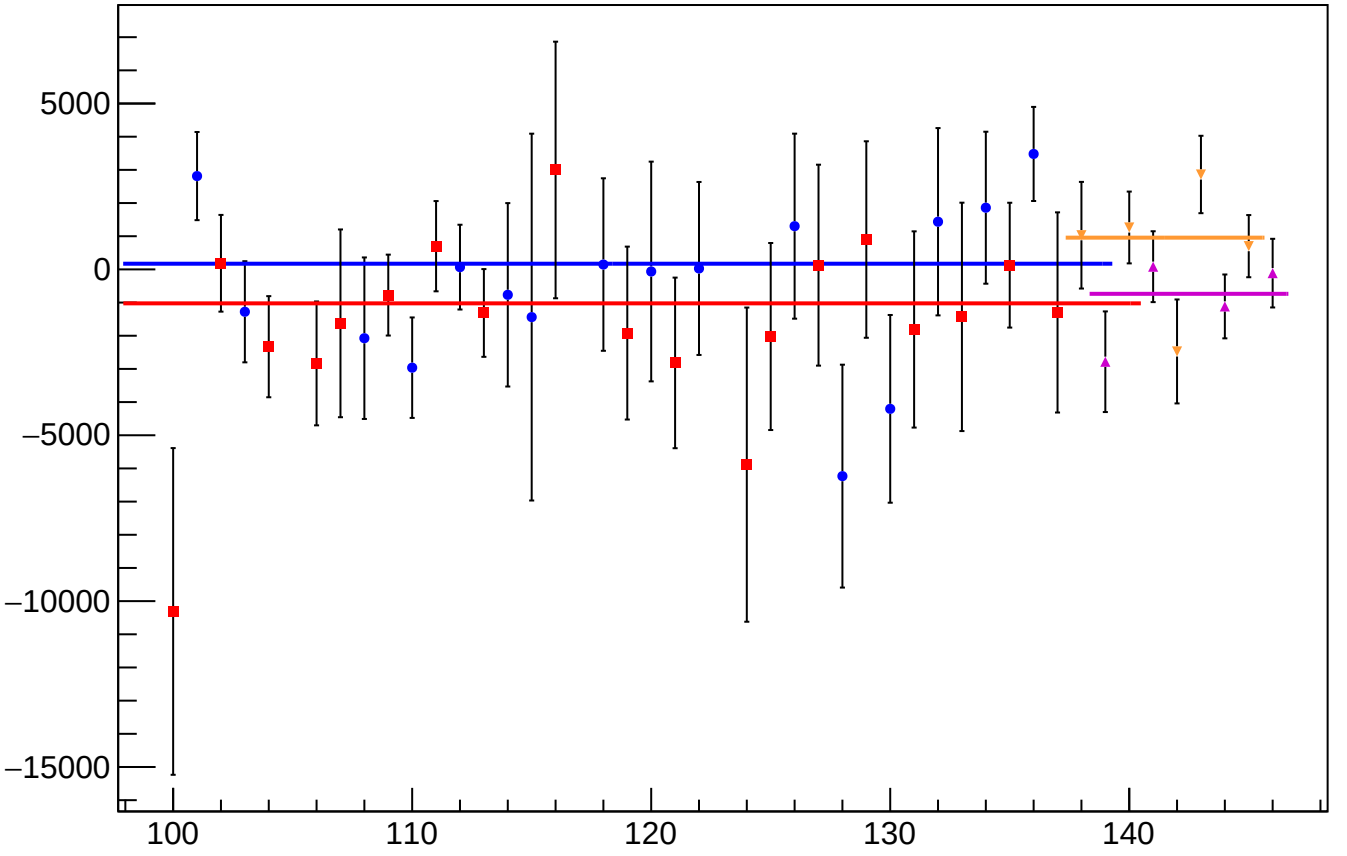
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1175.766+/-0.265 χ^2/NDF:1597086.0/19

Out: 1130.163+/-0.250 χ^2/NDF:1814553.0/23

All: 1151.667+/-0.182 χ^2/NDF: 3427299.1/43

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 956.816+/-532.879 χ^2/NDF:7.6/4

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -736.415+/-548.476 χ^2/NDF:2.9/3

Left: 134.618+/-382.198 χ^2/NDF: 15.4/8

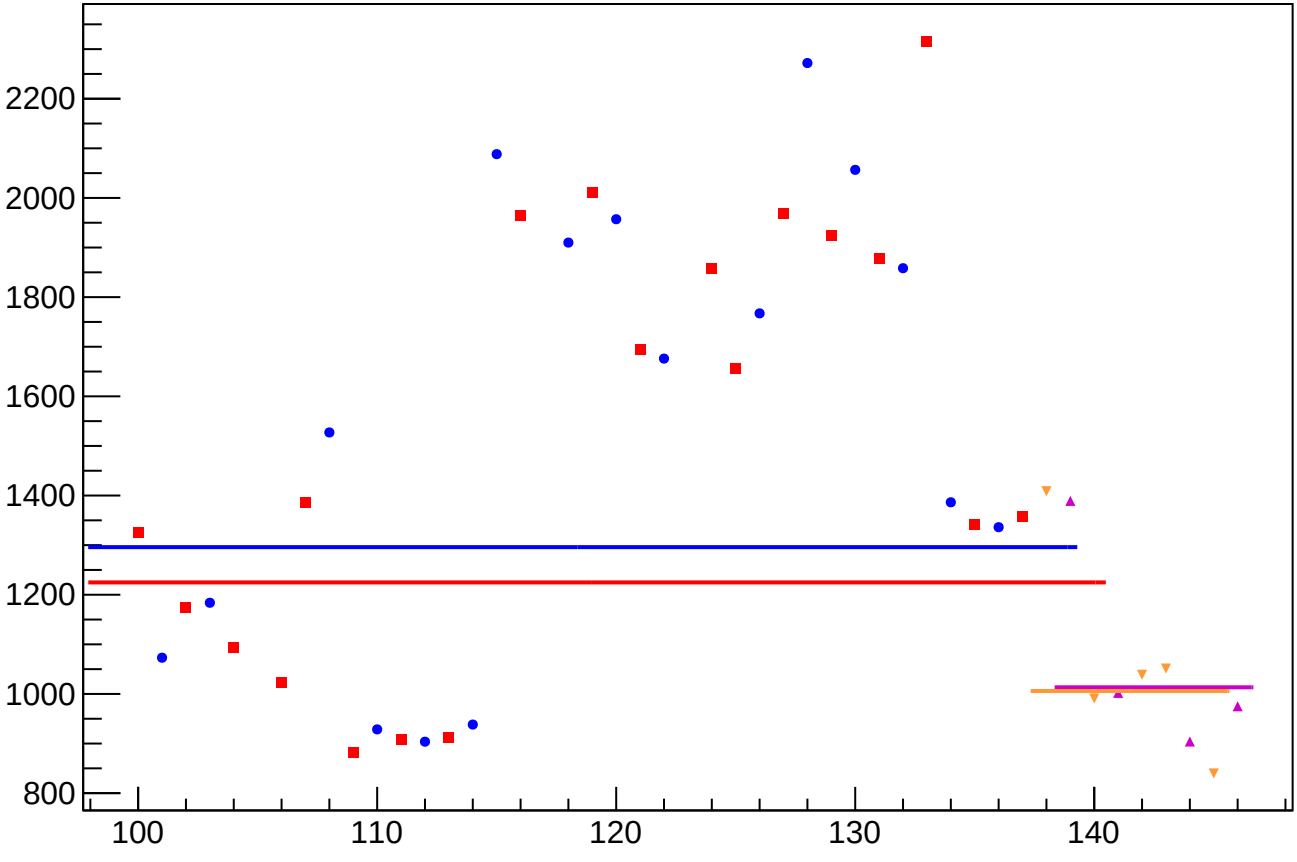
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -245.414+/-371.564 χ^2/NDF:27.0/19

Out: -152.972+/-353.330 χ^2/NDF:26.9/23

All: -196.869+/-256.046 χ^2/NDF: 53.9/43

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1005.960+/-0.377 χ^2/NDF:192783.3/4

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1013.366+/-0.388 χ^2/NDF:151474.5/3

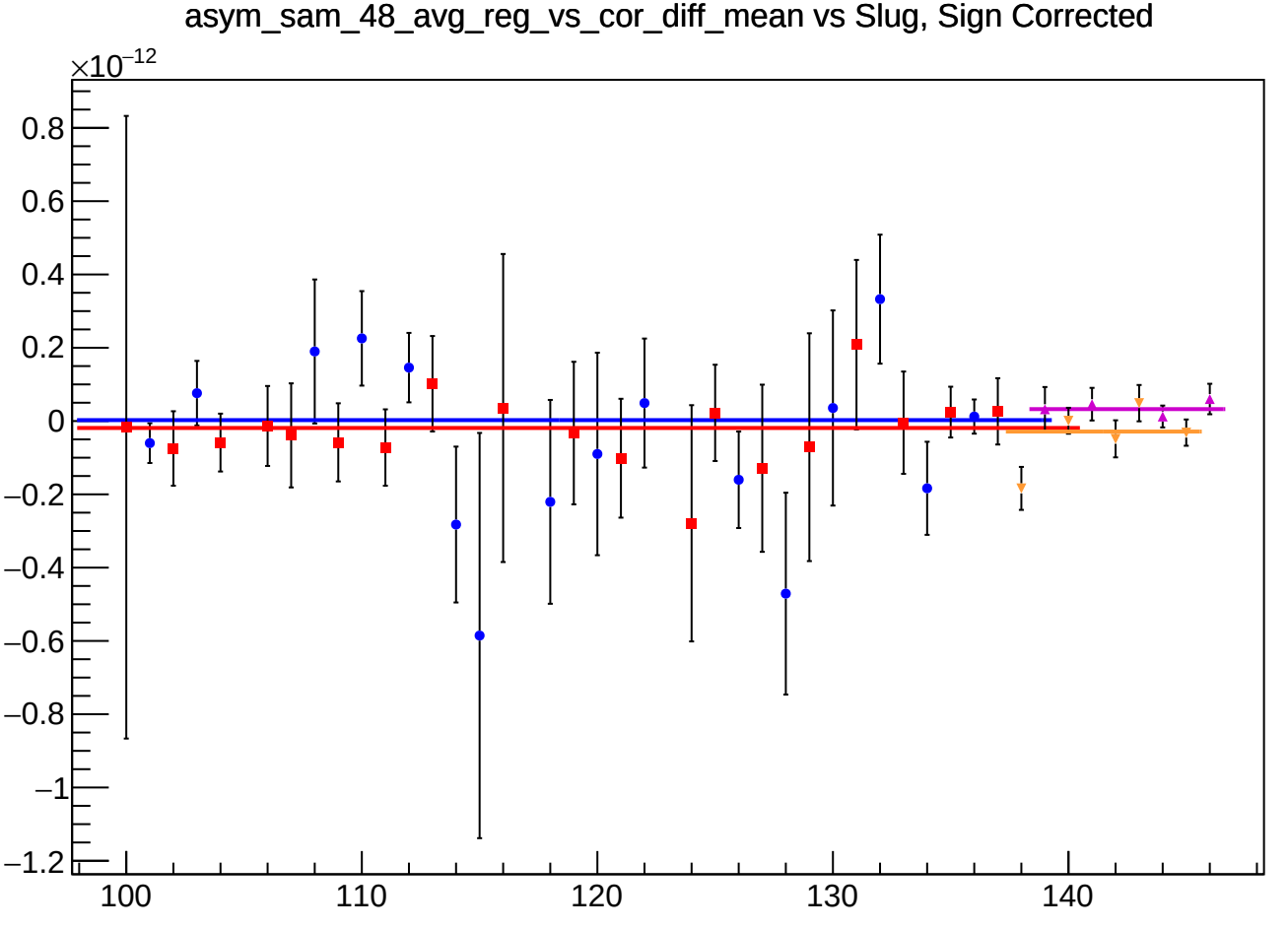
Left: 1009.557+/-0.270 χ^2/NDF: 344445.4/8

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1166.283+/-0.263 χ^2/NDF:1592984.6/19

Out: 1128.628+/-0.250 χ^2/NDF:1753203.0/23

All: 1146.509+/-0.181 χ^2/NDF: 3356973.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

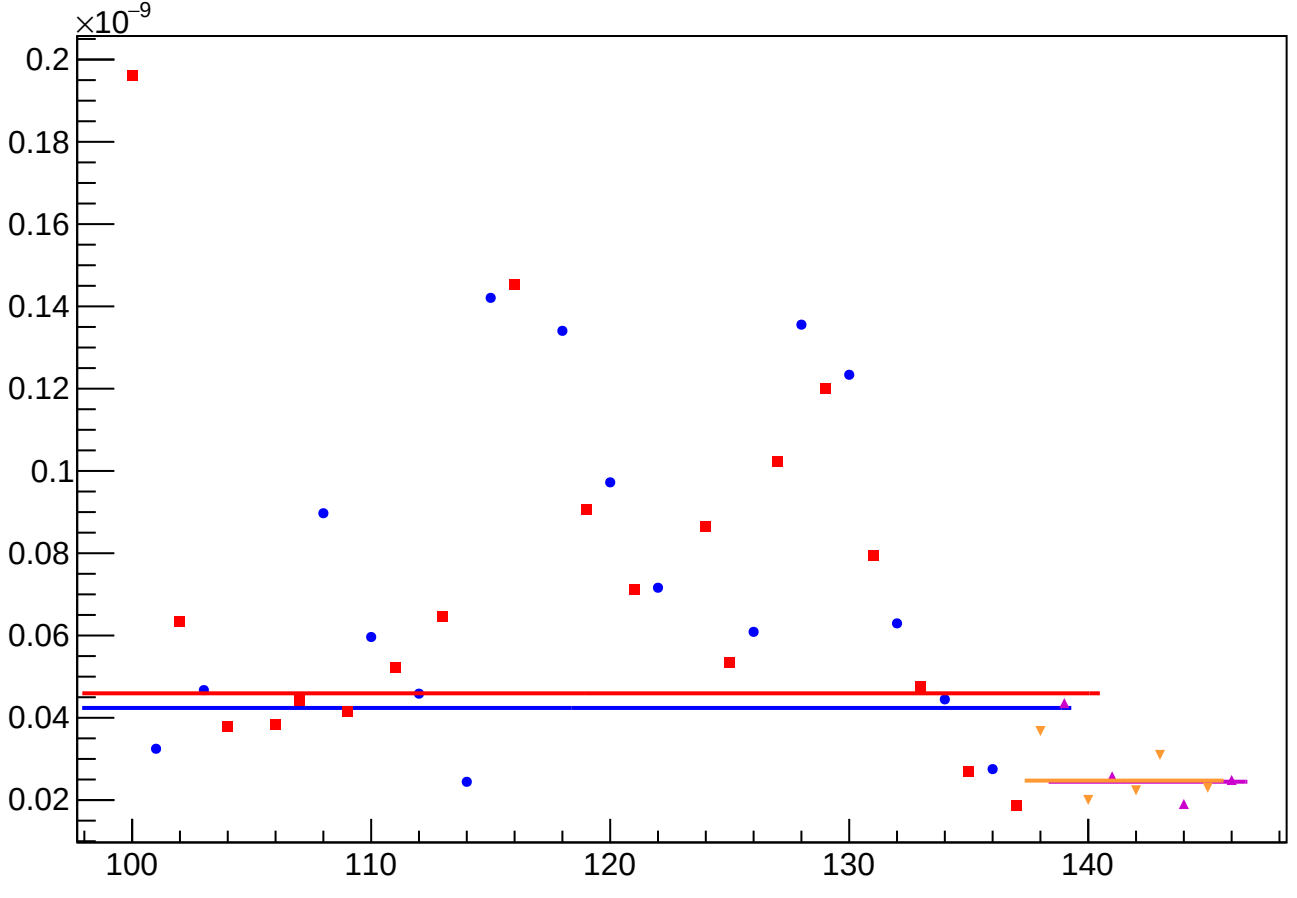
Left: 0.000+/-0.000 χ^2/NDF: 16.1/8

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

In: 0.000+/-0.000 χ^2/NDF:24.0/19

Out: -0.000+/-0.000 χ^2/NDF:15.1/23

All: -0.000+/-0.000 χ^2/NDF: 43.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:160486.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:267014.0/3

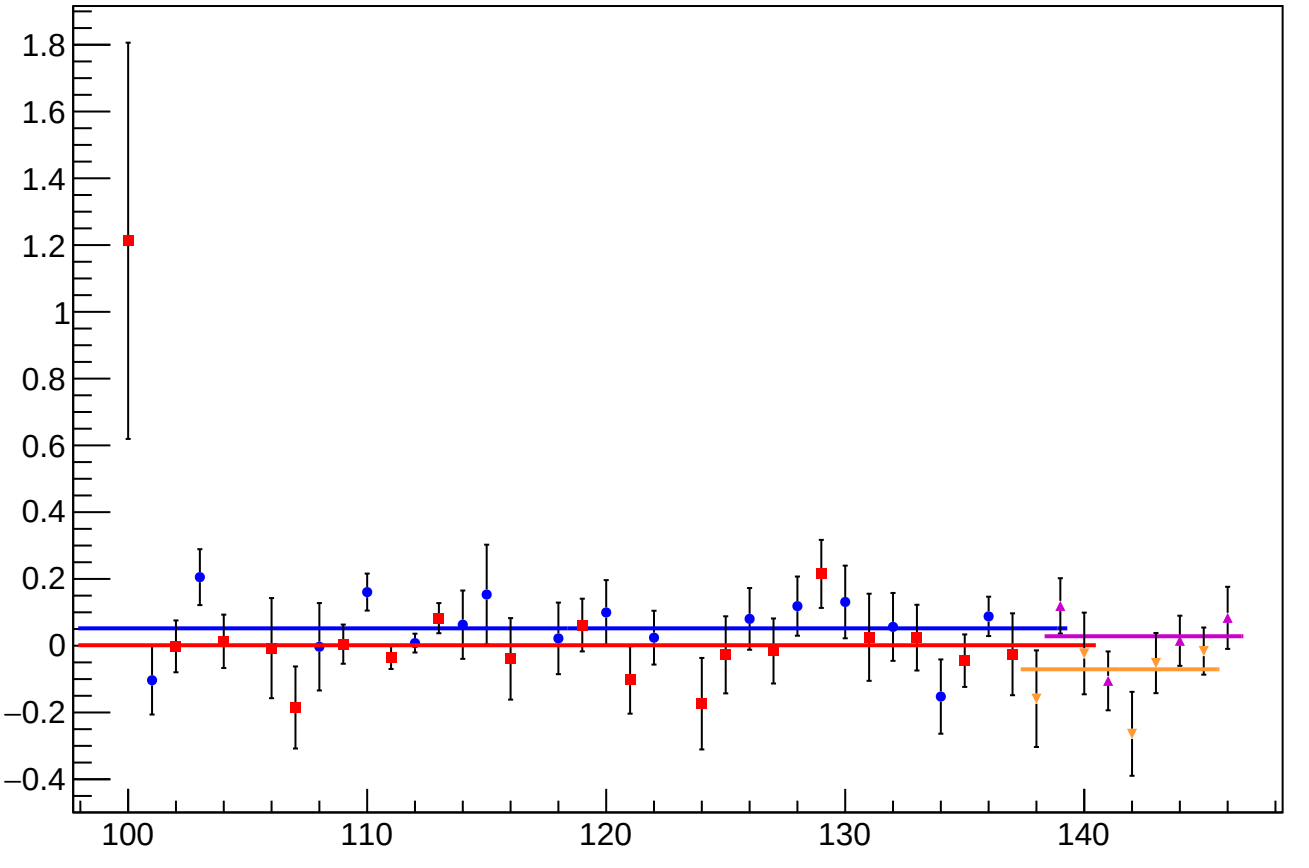
Left: 0.000+/-0.000 χ^2/NDF: 427691.4/8

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2181356.2/19

Out: 0.000+/-0.000 χ^2/NDF:2023755.6/23

All: 0.000+/-0.000 χ^2/NDF: 4205792.8/43



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.071+/-0.045 χ^2/NDF:3.5/4

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.028+/-0.042 χ^2/NDF:3.9/3

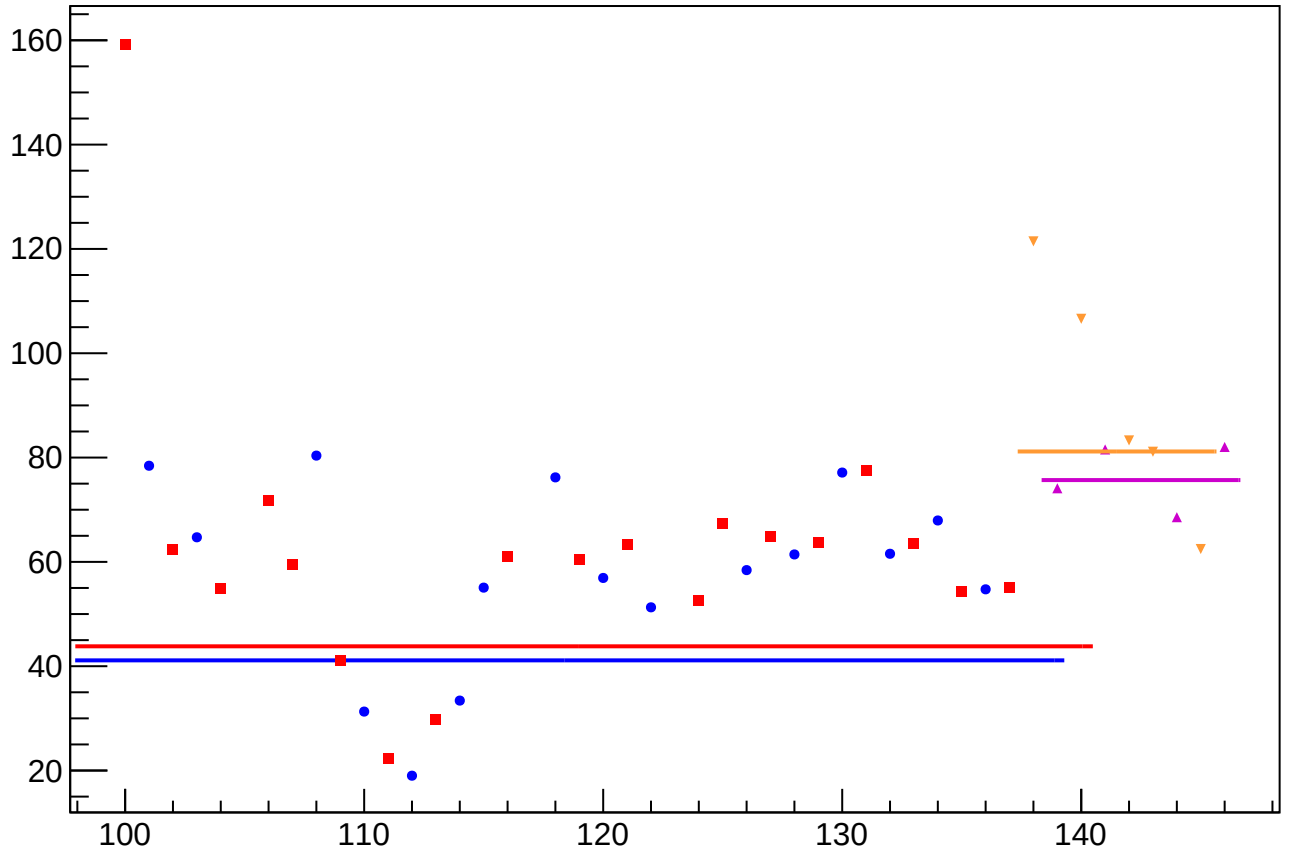
Left: -0.018+/-0.031 χ^2/NDF: 10.0/8

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.048+/-0.016 χ^2/NDF:22.1/19

Out: -0.009+/-0.017 χ^2/NDF:25.0/23

All: 0.020+/-0.012 χ^2/NDF: 53.1/43



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 81.167+/-0.032 χ^2/NDF:382404.2/4

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 75.685+/-0.030 χ^2/NDF:36864.5/3

Left: 78.258+/-0.022 χ^2/NDF: 435261.1/8

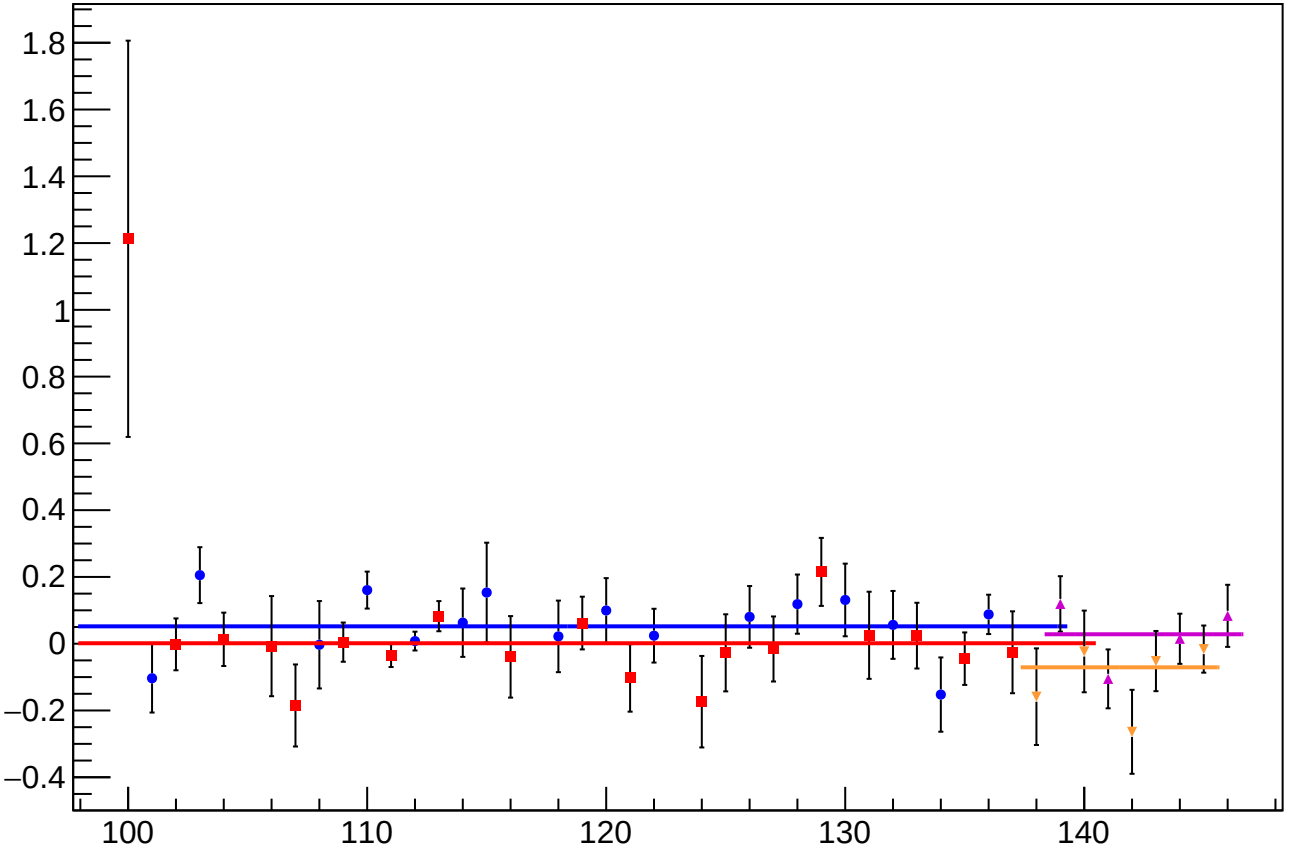
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 46.368+/-0.012 χ^2/NDF:4110820.1/19

Out: 48.998+/-0.012 χ^2/NDF:3636043.0/23

All: 47.662+/-0.008 χ^2/NDF: 7772261.7/43

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.071+/-0.045 χ^2/NDF:3.5/4

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.028+/-0.042 χ^2/NDF:3.9/3

Left: -0.018+/-0.031 χ^2/NDF: 10.0/8

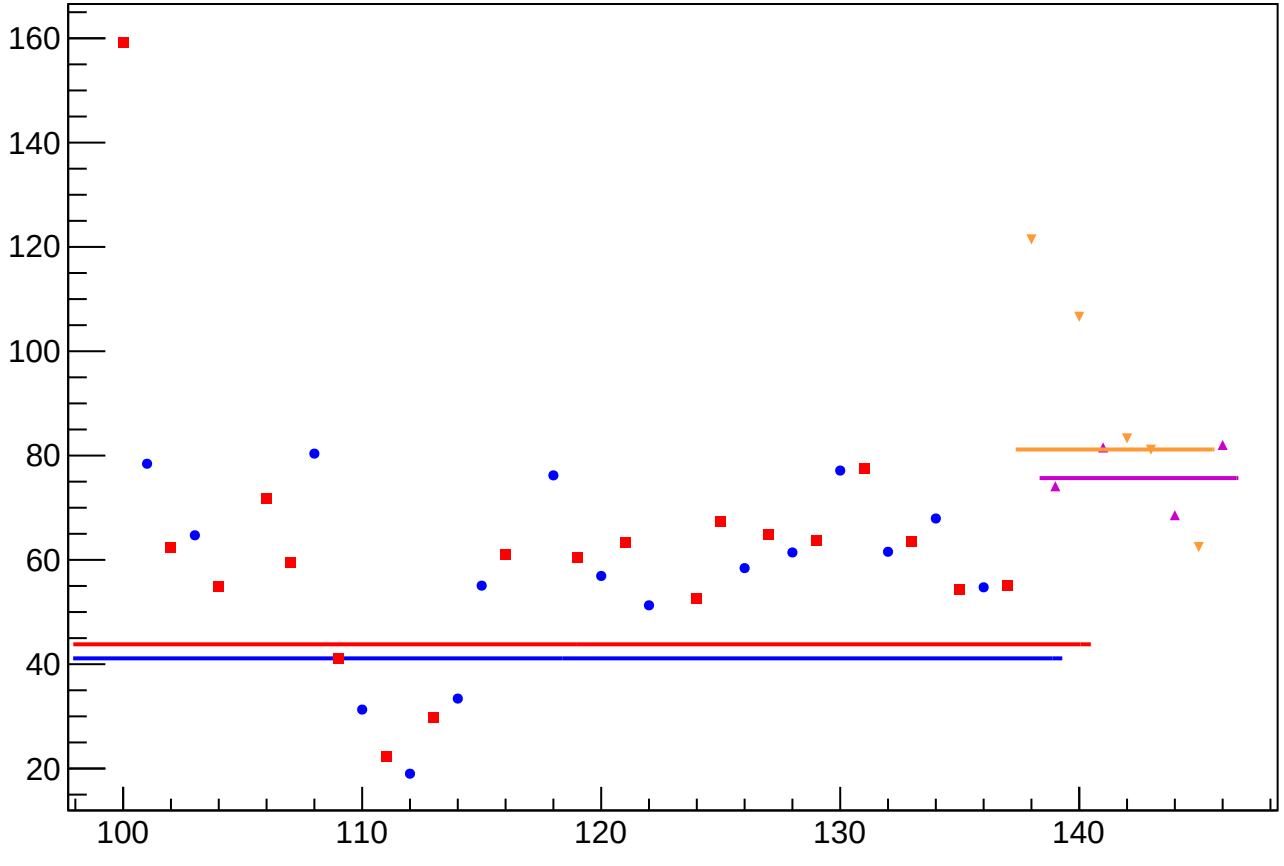
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.048+/-0.016 χ^2/NDF:22.1/19

Out: -0.009+/-0.017 χ^2/NDF:25.0/23

All: 0.020+/-0.012 χ^2/NDF: 53.1/43

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 81.167+/-0.032 χ^2/NDF:382404.2/4

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 75.685+/-0.030 χ^2/NDF:36864.5/3

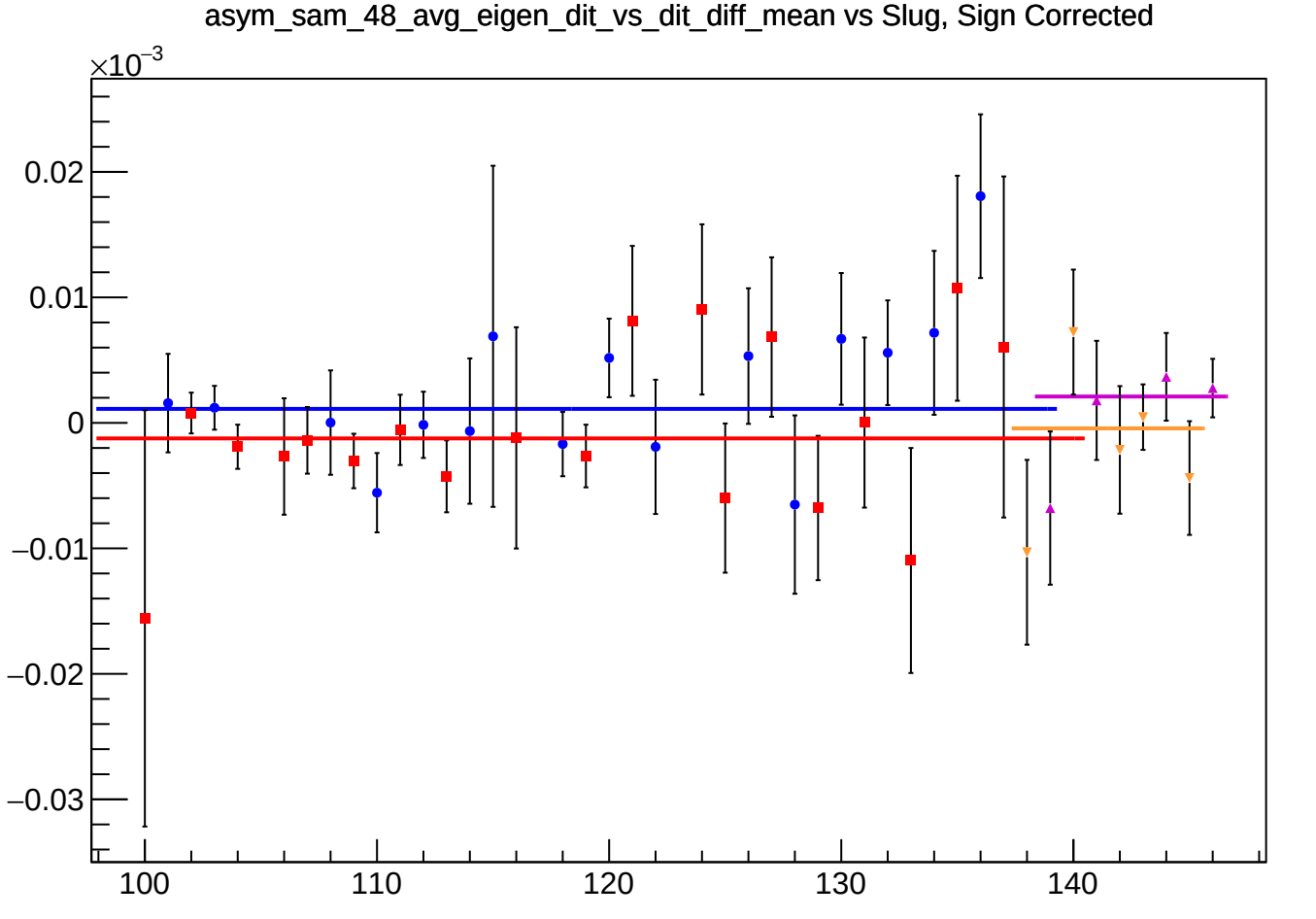
Left: 78.258+/-0.022 χ^2/NDF: 435261.1/8

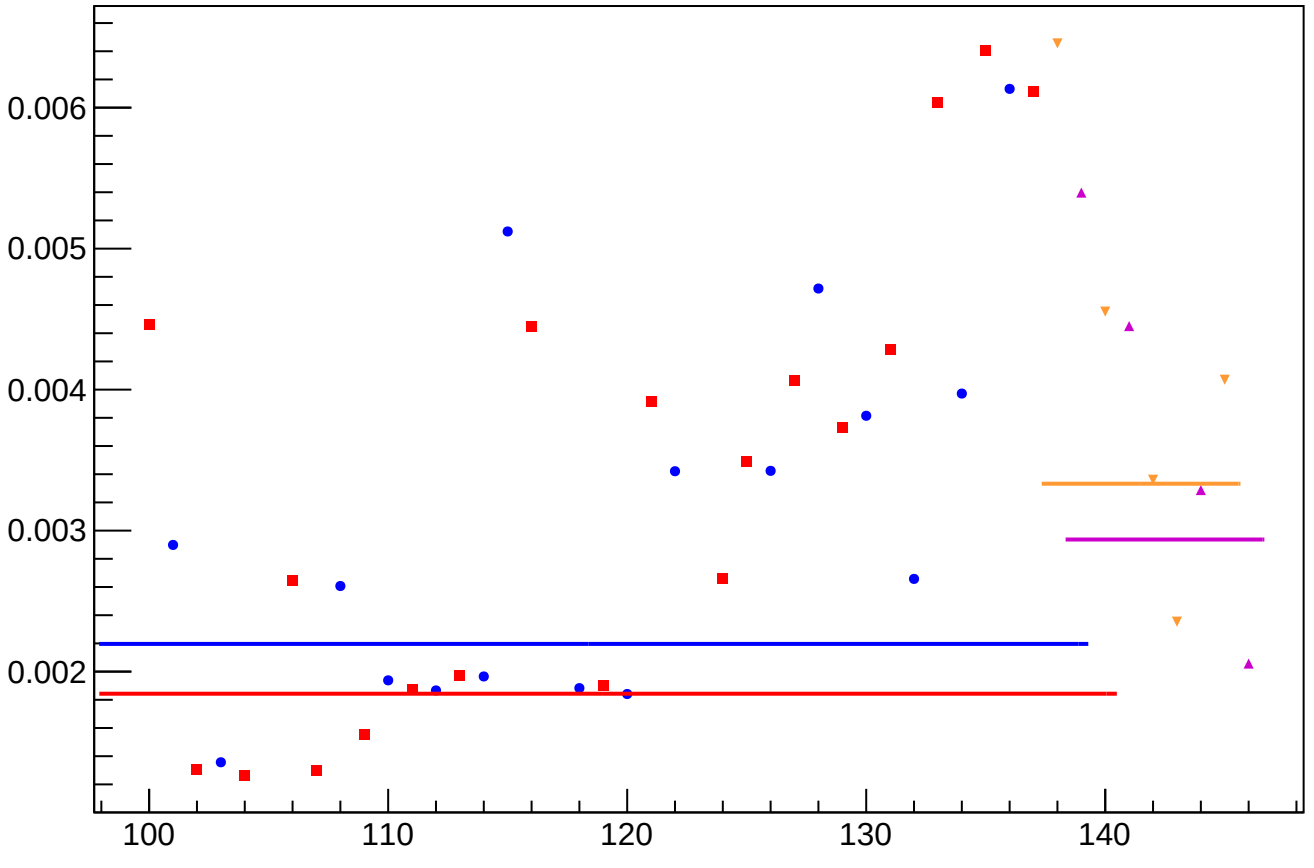
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 46.368+/-0.012 χ^2/NDF:4110820.1/19

Out: 48.998+/-0.012 χ^2/NDF:3636043.0/23

All: 47.662+/-0.008 χ^2/NDF: 7772261.7/43


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: -0.000+/-0.000 χ²/NDF:5.2/4
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:2.4/3
Left: 0.000+/-0.000 χ²/NDF: 8.6/8
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:22.6/19
Out: -0.000+/-0.000 χ²/NDF:21.3/23
All: -0.000+/-0.000 χ²/NDF: 49.1/43



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:814339.6/4

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:833196.6/3

Left: 0.003+/-0.000 χ^2/NDF: 1696670.6/8

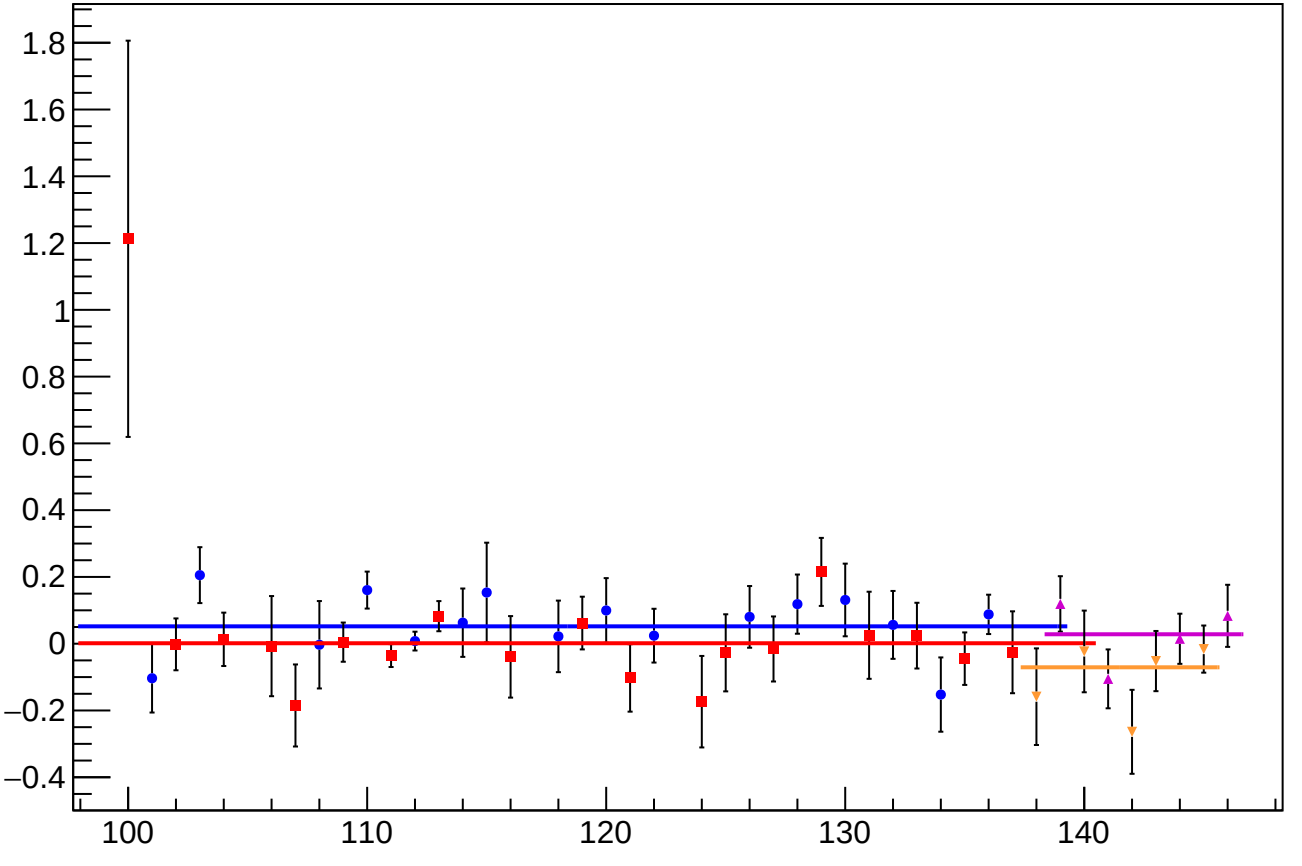
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:3415342.2/19

Out: 0.002+/-0.000 χ^2/NDF:5062841.0/23

All: 0.002+/-0.000 χ^2/NDF: 8632079.1/43

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.071+/-0.045 χ^2/NDF:3.5/4

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.028+/-0.042 χ^2/NDF:3.9/3

Left: -0.018+/-0.031 χ^2/NDF: 10.0/8

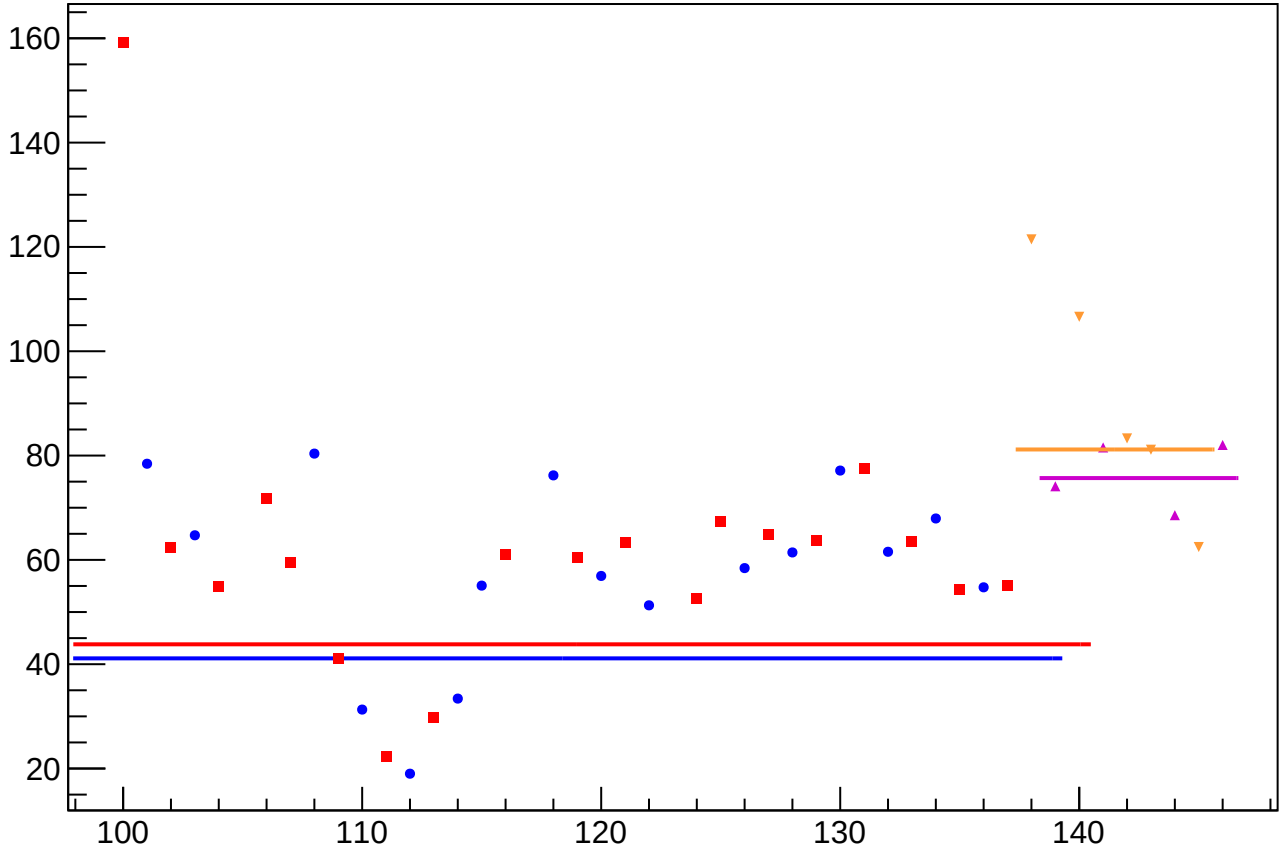
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.048+/-0.016 χ^2/NDF:22.1/19

Out: -0.009+/-0.017 χ^2/NDF:25.0/23

All: 0.020+/-0.012 χ^2/NDF: 53.1/43

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: 81.168+/-0.032 χ^2/NDF:382375.9/4

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 75.685+/-0.030 χ^2/NDF:36866.9/3

Left: 78.259+/-0.022 χ^2/NDF: 435237.8/8

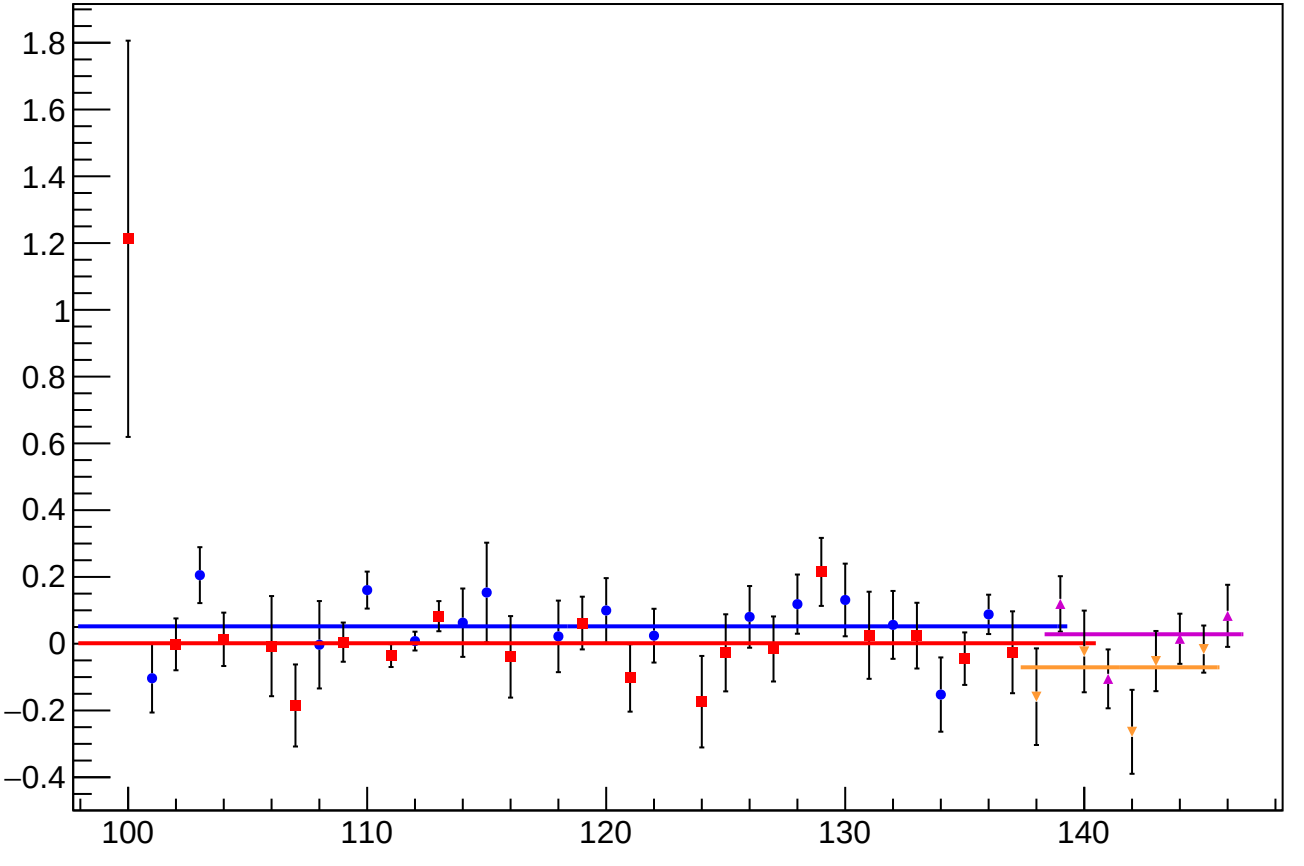
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 46.367+/-0.012 χ^2/NDF:4111076.7/19

Out: 48.997+/-0.012 χ^2/NDF:3636299.0/23

All: 47.661+/-0.008 χ^2/NDF: 7772775.6/43

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: -0.071+/-0.045 χ^2/NDF:3.5/4

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.028+/-0.042 χ^2/NDF:3.9/3

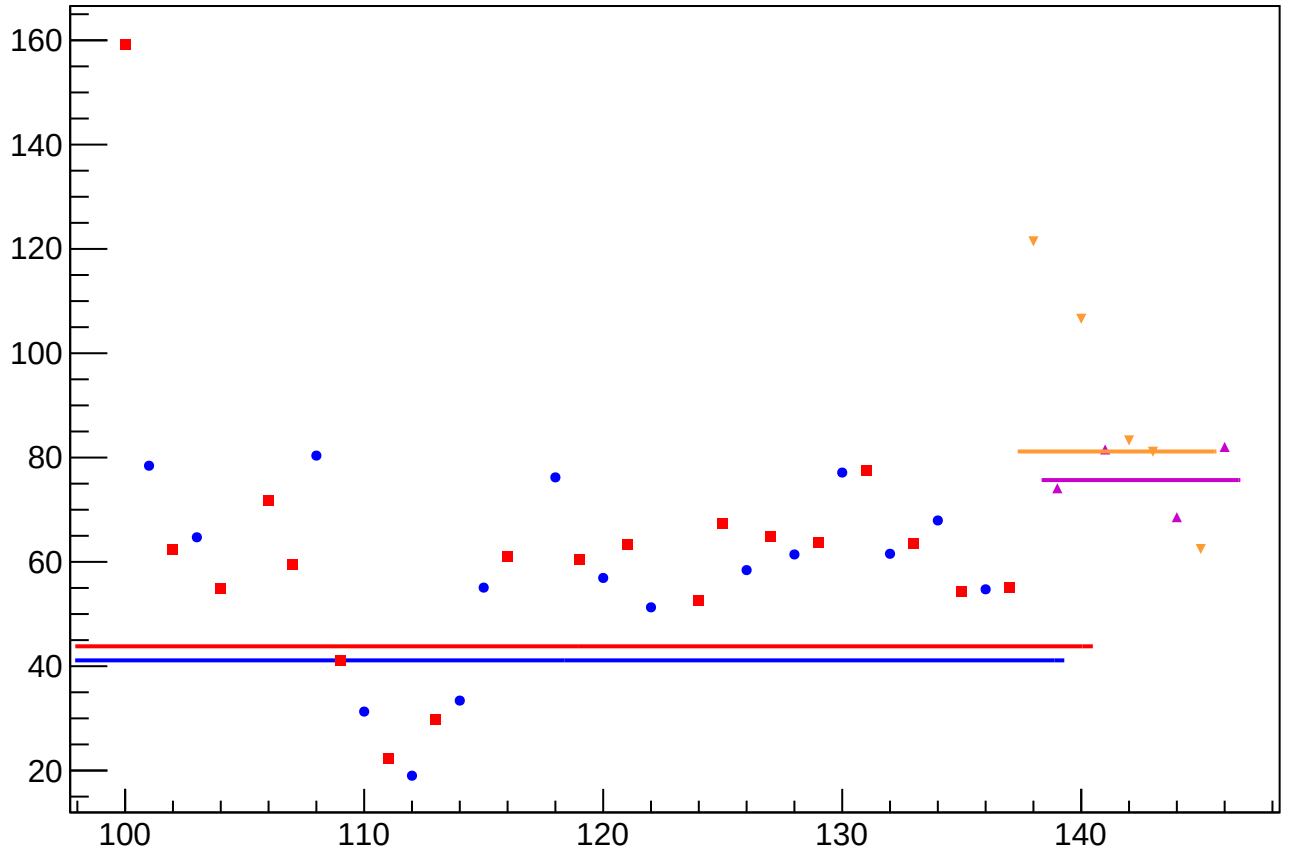
Left: -0.018+/-0.031 χ^2/NDF: 10.0/8

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.048+/-0.016 χ^2/NDF:22.1/19

Out: -0.009+/-0.017 χ^2/NDF:25.0/23

All: 0.020+/-0.012 χ^2/NDF: 53.1/43



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 81.168+/-0.032 χ^2/NDF:382375.9/4

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 75.685+/-0.030 χ^2/NDF:36866.9/3

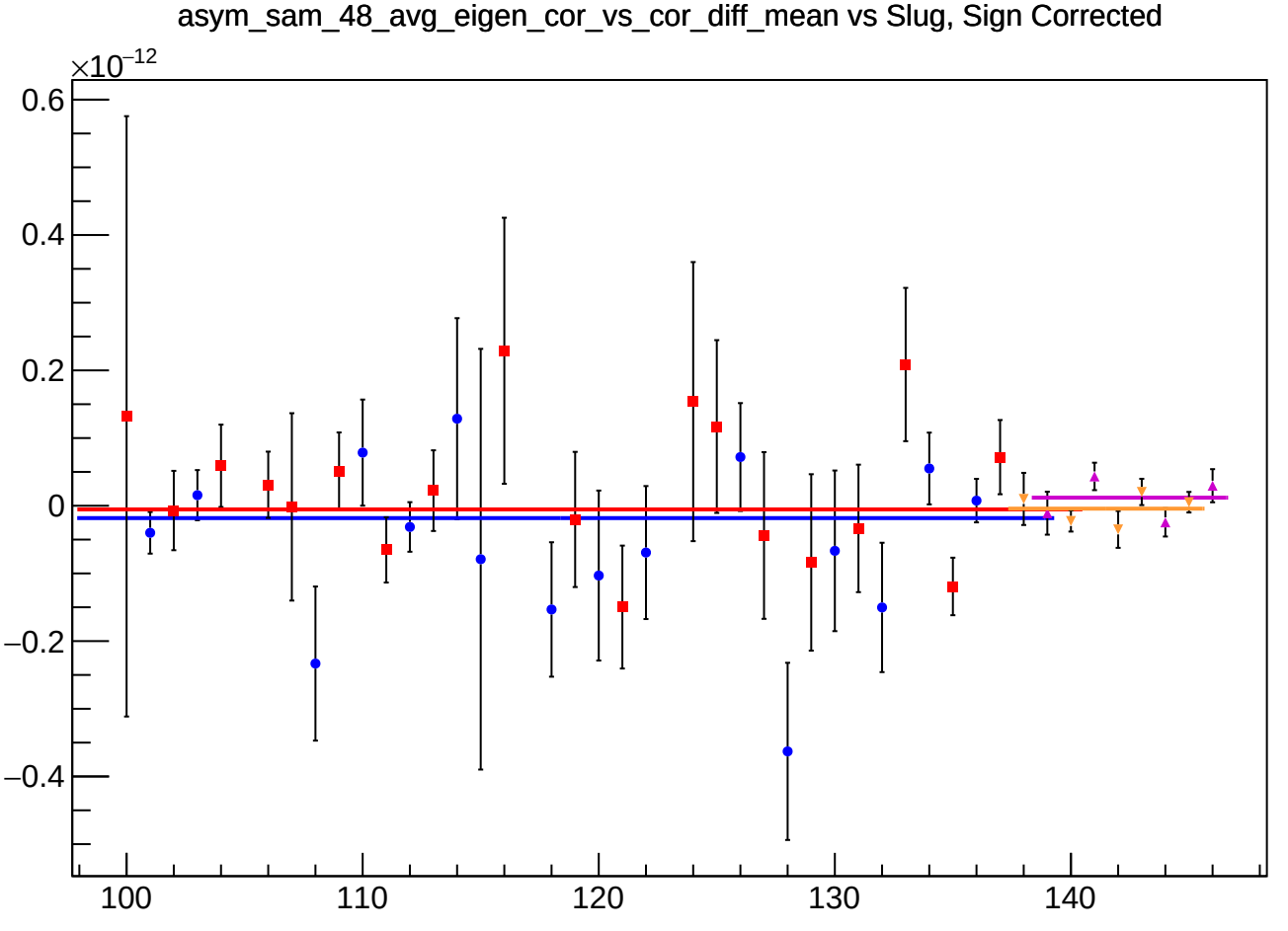
Left: 78.259+/-0.022 χ^2/NDF: 435237.8/8

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 46.367+/-0.012 χ^2/NDF:4111076.7/19

Out: 48.997+/-0.012 χ^2/NDF:3636299.0/23

All: 47.661+/-0.008 χ^2/NDF: 7772775.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/4

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/3

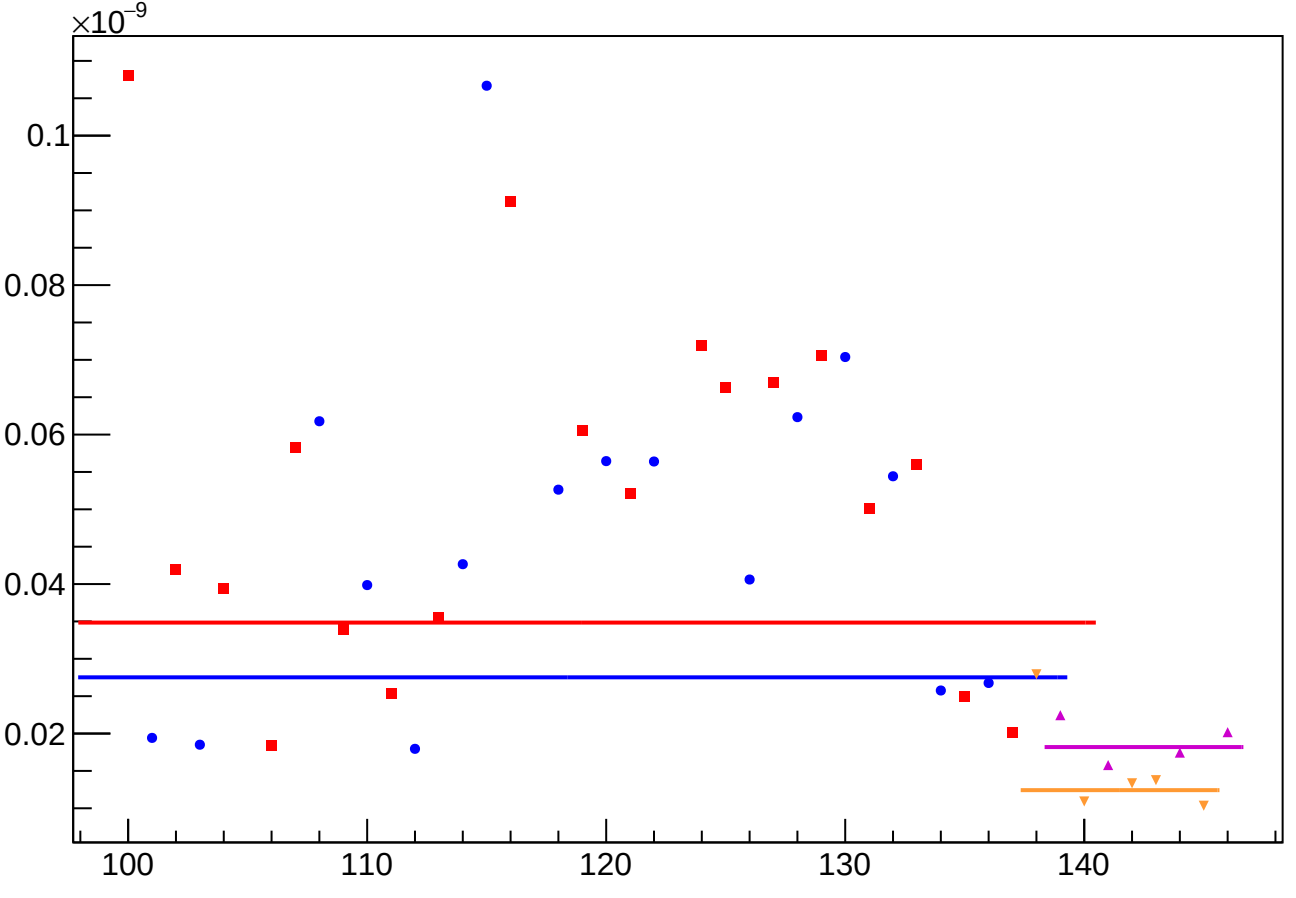
Left: 0.000+/-0.000 χ^2/NDF: 12.5/8

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:32.1/19

Out: -0.000+/-0.000 χ^2/NDF:28.1/23

All: -0.000+/-0.000 χ^2/NDF: 60.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:392089.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:80198.3/3

Left: 0.000+/-0.000 χ^2/NDF: 786344.1/8

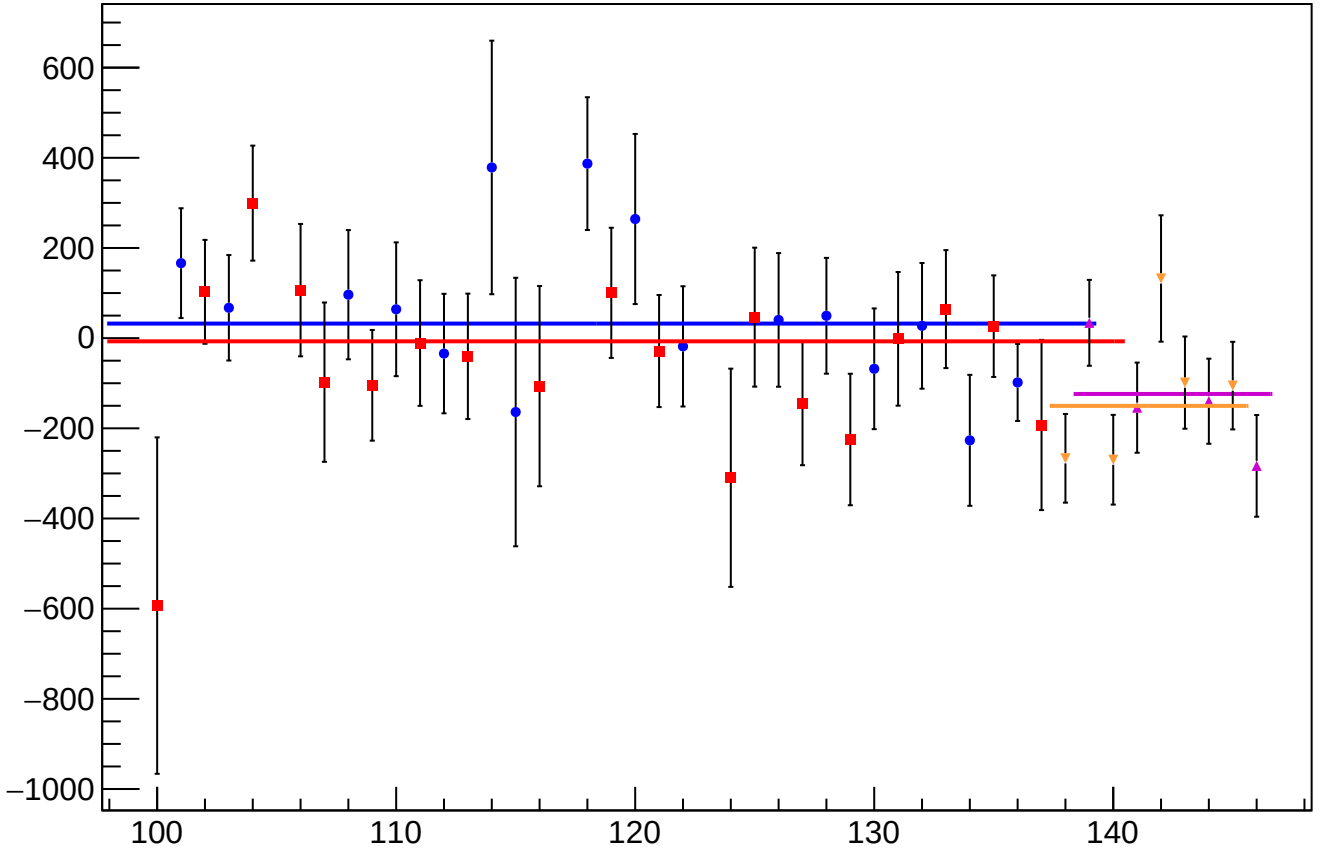
Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2387314.5/19

Out: 0.000+/-0.000 χ^2/NDF:4901940.8/23

All: 0.000+/-0.000 χ^2/NDF: 7591312.6/43

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -150.221+/-46.786 χ^2/NDF:7.4/4

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -123.778+/-49.929 χ^2/NDF:4.9/3

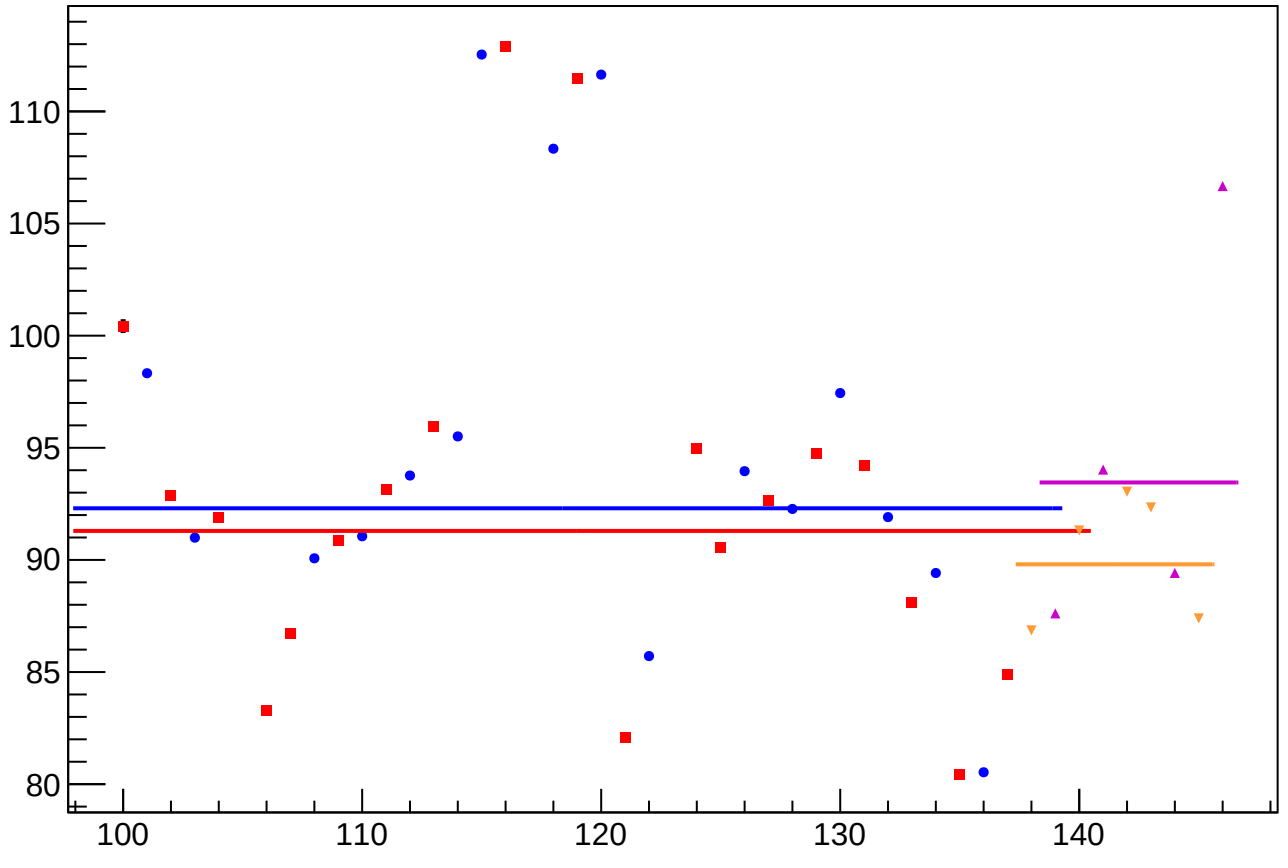
Left: -137.858+/-34.140 χ^2/NDF: 12.4/8

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -17.998+/-28.344 χ^2/NDF:28.8/19

Out: -55.435+/-27.194 χ^2/NDF:31.3/23

All: -37.491+/-19.623 χ^2/NDF: 61.0/43



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.804+/-0.033 χ^2/NDF:5787.9/4

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

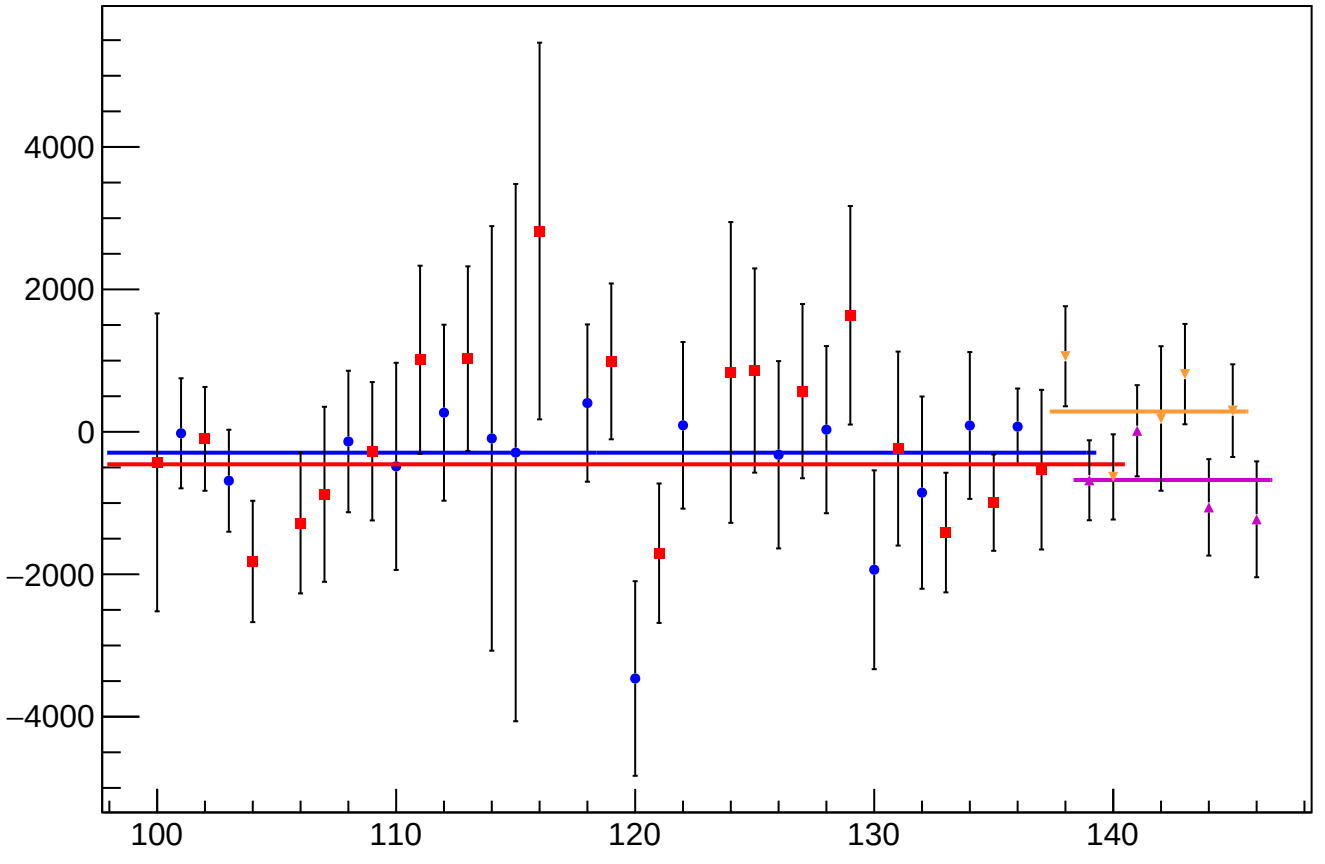
Left: 91.511+/-0.024 χ^2/NDF: 50177.6/8

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 92.674+/-0.020 χ^2/NDF:146484.7/19

Out: 90.790+/-0.019 χ^2/NDF:112227.2/23

All: 91.693+/-0.014 χ^2/NDF: 263309.6/43



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 285.451+/-313.678 χ^2/NDF:4.1/4

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -676.005+/-327.890 χ^2/NDF:1.9/3

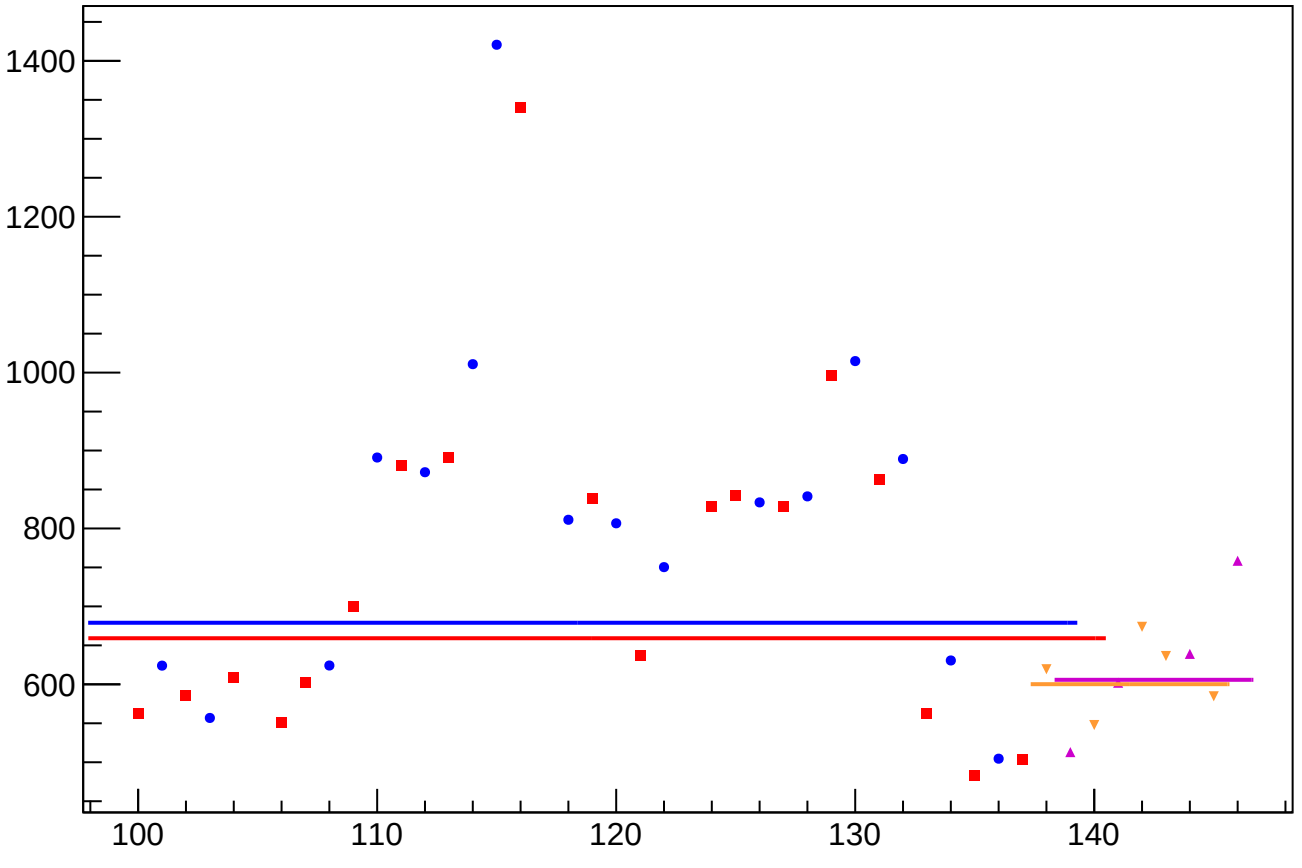
Left: -173.988+/-226.662 χ^2/NDF: 10.6/8

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -440.489+/-203.577 χ^2/NDF:11.6/19

Out: -169.686+/-194.888 χ^2/NDF:24.4/23

All: -299.185+/-140.778 χ^2/NDF: 36.9/43



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 600.186+/-0.222 χ^2/NDF:33763.6/4

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 605.797+/-0.232 χ^2/NDF:129973.2/3

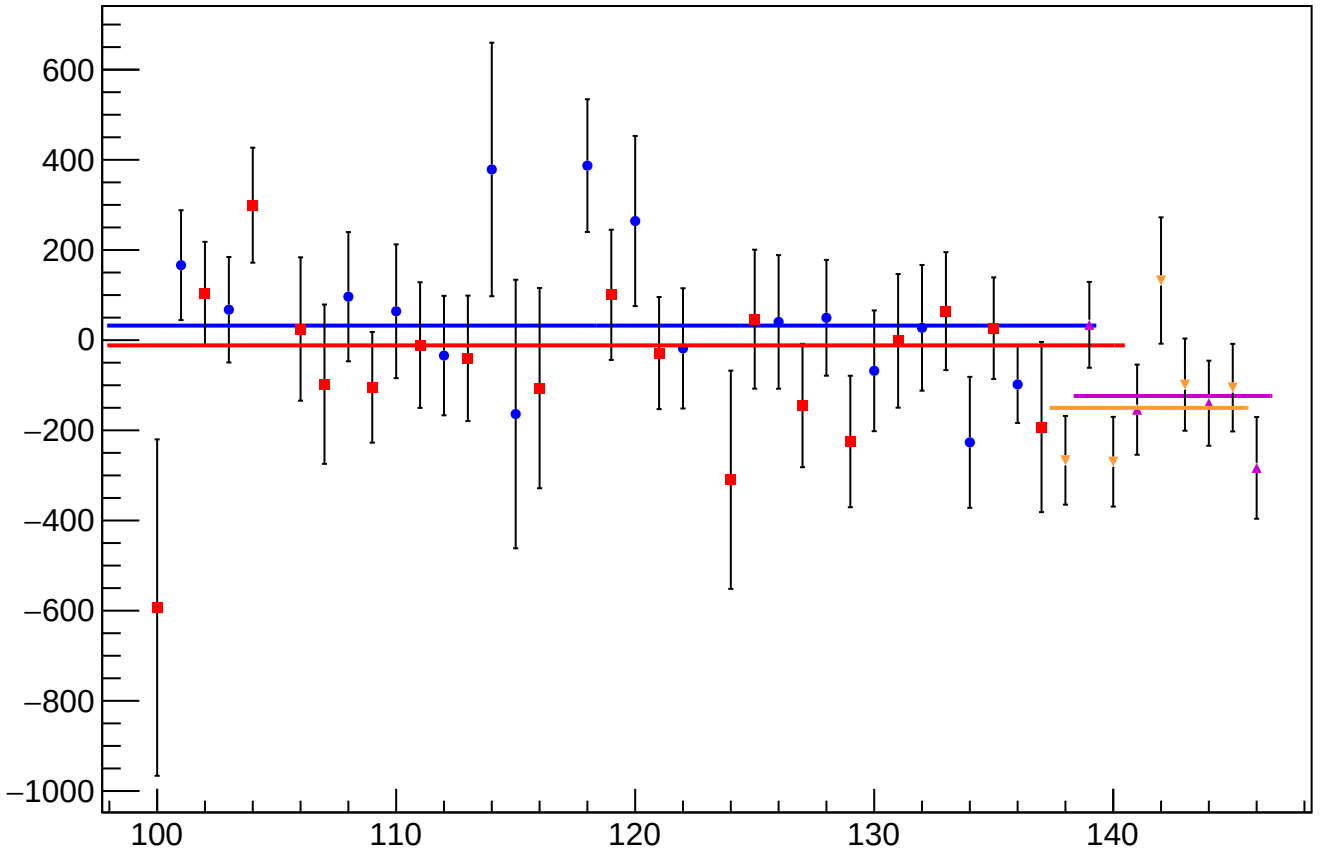
Left: 602.867+/-0.160 χ^2/NDF: 164042.6/8

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 650.784+/-0.144 χ^2/NDF:959220.6/19

Out: 636.379+/-0.138 χ^2/NDF:873007.2/23

All: 643.267+/-0.100 χ^2/NDF: 1837452.8/43



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -150.224+/-46.786 χ^2/NDF:7.4/4

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -123.784+/-49.929 χ^2/NDF:4.9/3

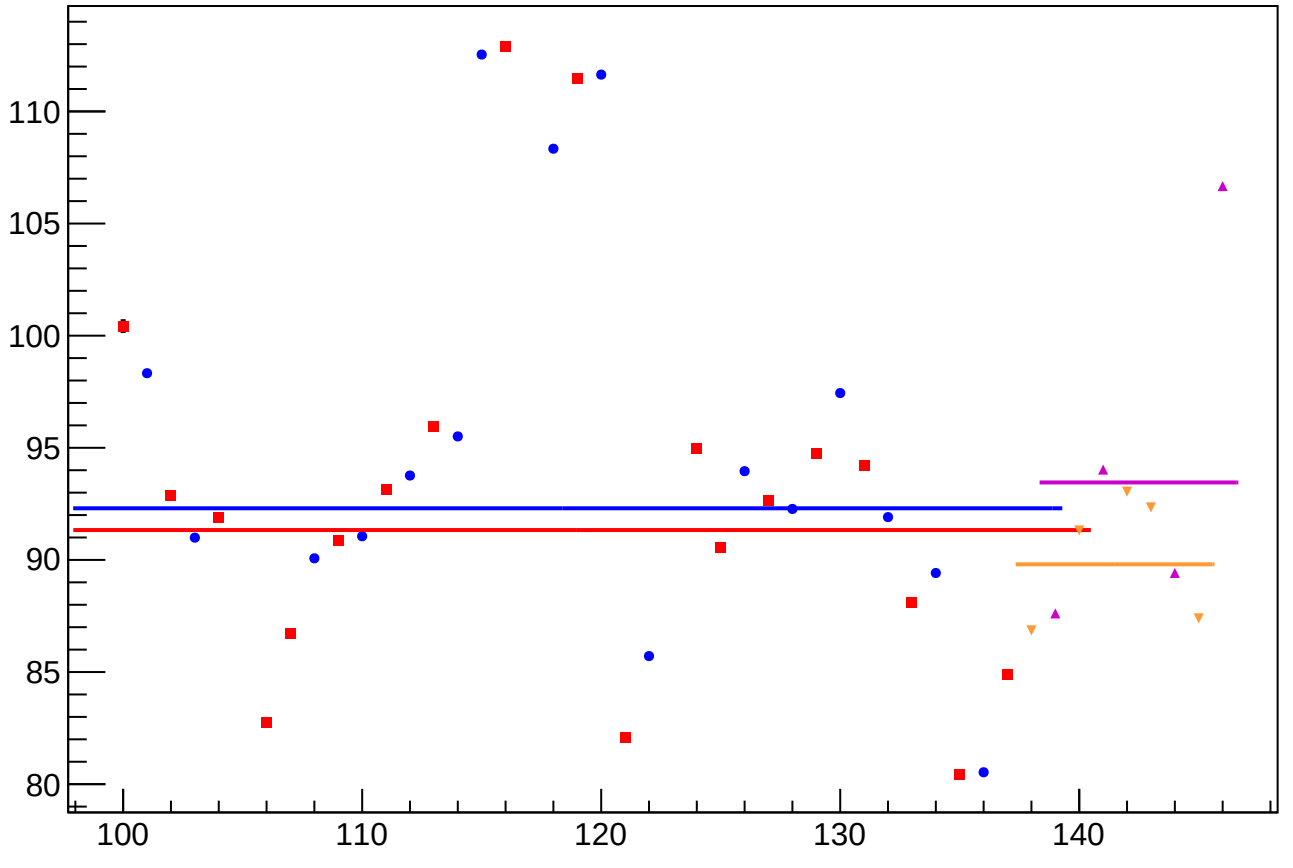
Left: -137.862+/-34.140 χ^2/NDF: 12.4/8

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -17.990+/-28.344 χ^2/NDF:28.8/19

Out: -58.658+/-27.264 χ^2/NDF:30.4/23

All: -39.114+/-19.649 χ^2/NDF: 60.2/43



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.804+/-0.033 χ^2/NDF:5787.9/4

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

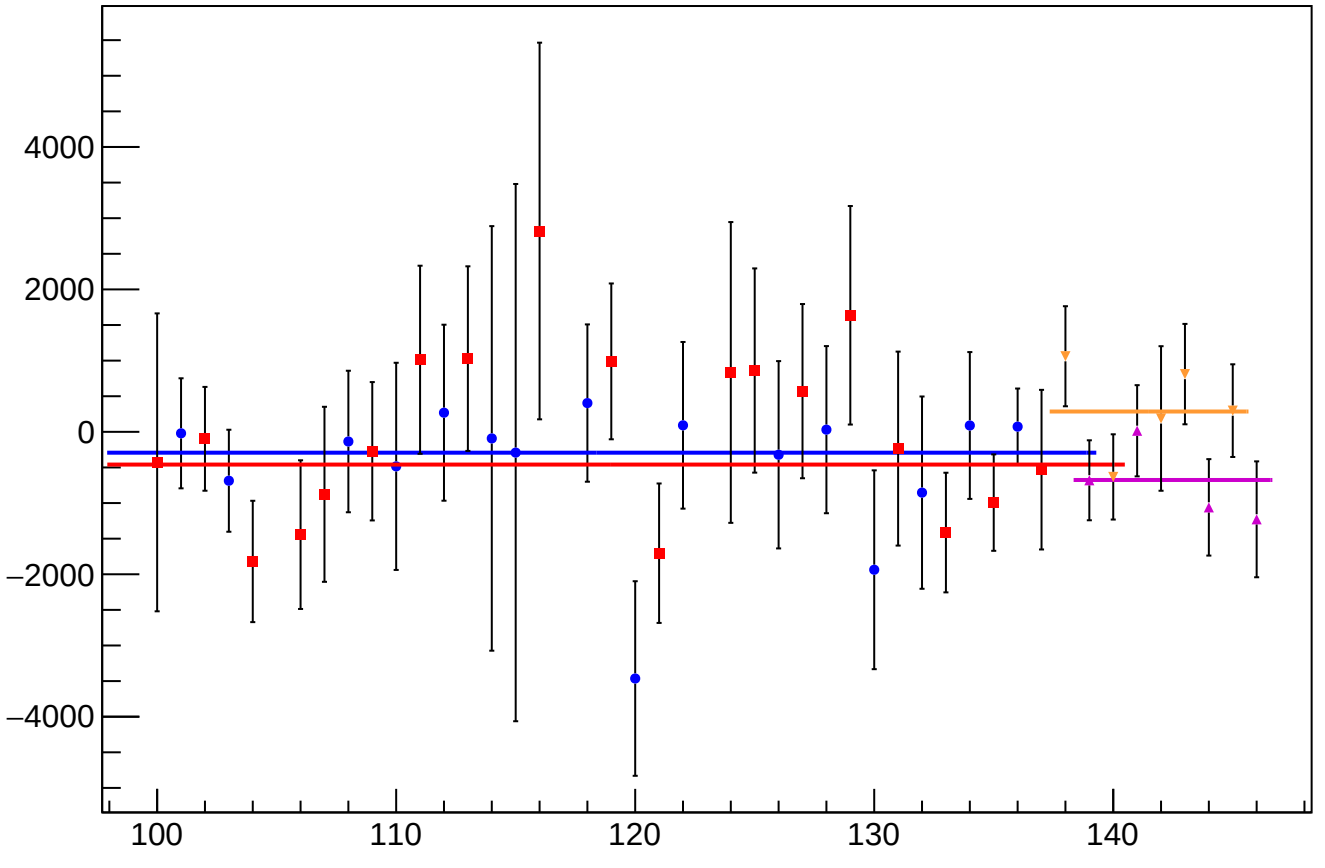
Left: 91.511+/-0.024 χ^2/NDF: 50177.6/8

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 92.674+/-0.020 χ^2/NDF:146484.7/19

Out: 90.813+/-0.019 χ^2/NDF:112115.2/23

All: 91.707+/-0.014 χ^2/NDF: 263076.2/43



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 285.447+/-313.678 χ^2/NDF:4.1/4

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -676.005+/-327.891 χ^2/NDF:1.9/3

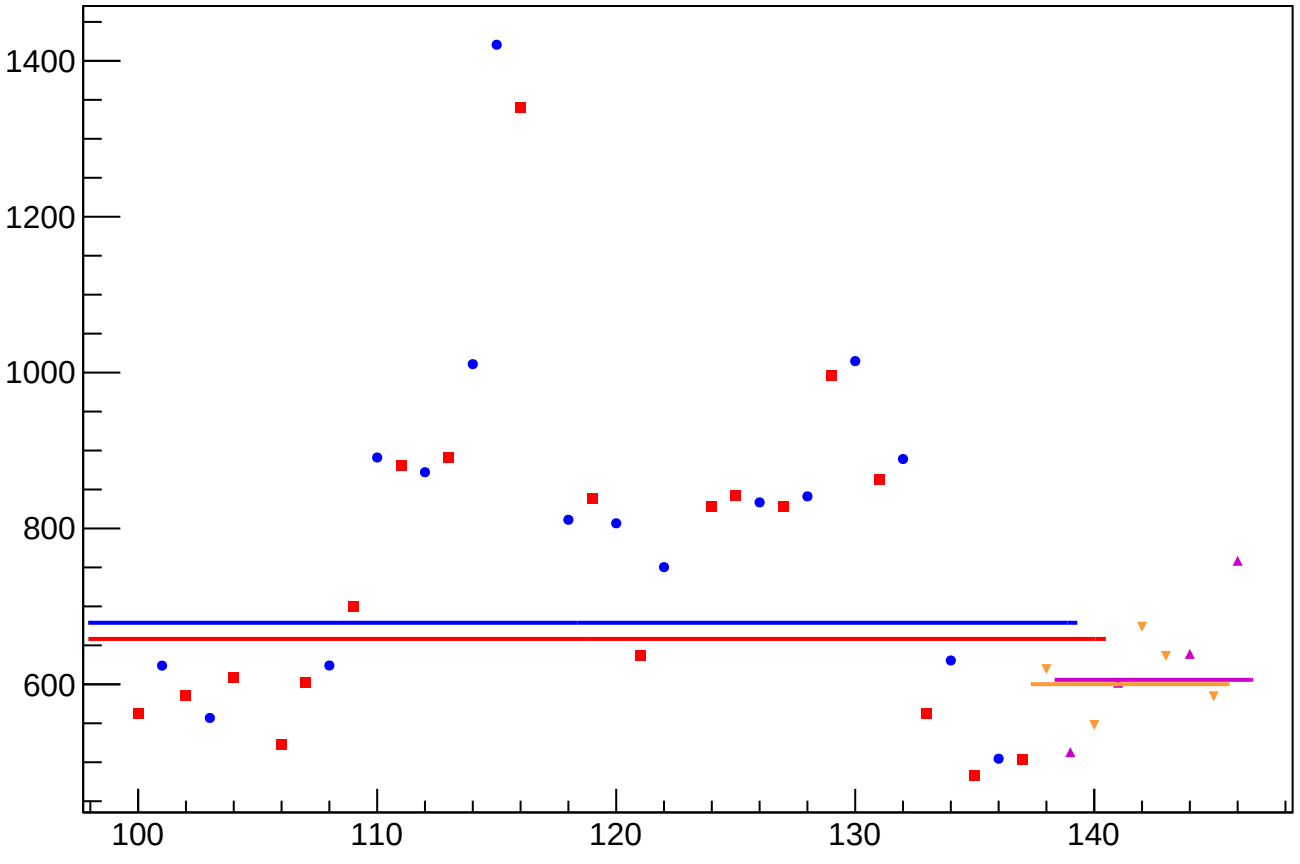
Left: -173.990+/-226.662 χ^2/NDF: 10.6/8

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -440.488+/-203.577 χ^2/NDF:11.6/19

Out: -170.827+/-195.284 χ^2/NDF:24.6/23

All: -300.054+/-140.927 χ^2/NDF: 37.2/43



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 600.186+/-0.222 χ^2/NDF:33763.8/4

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 605.797+/-0.232 χ^2/NDF:129974.2/3

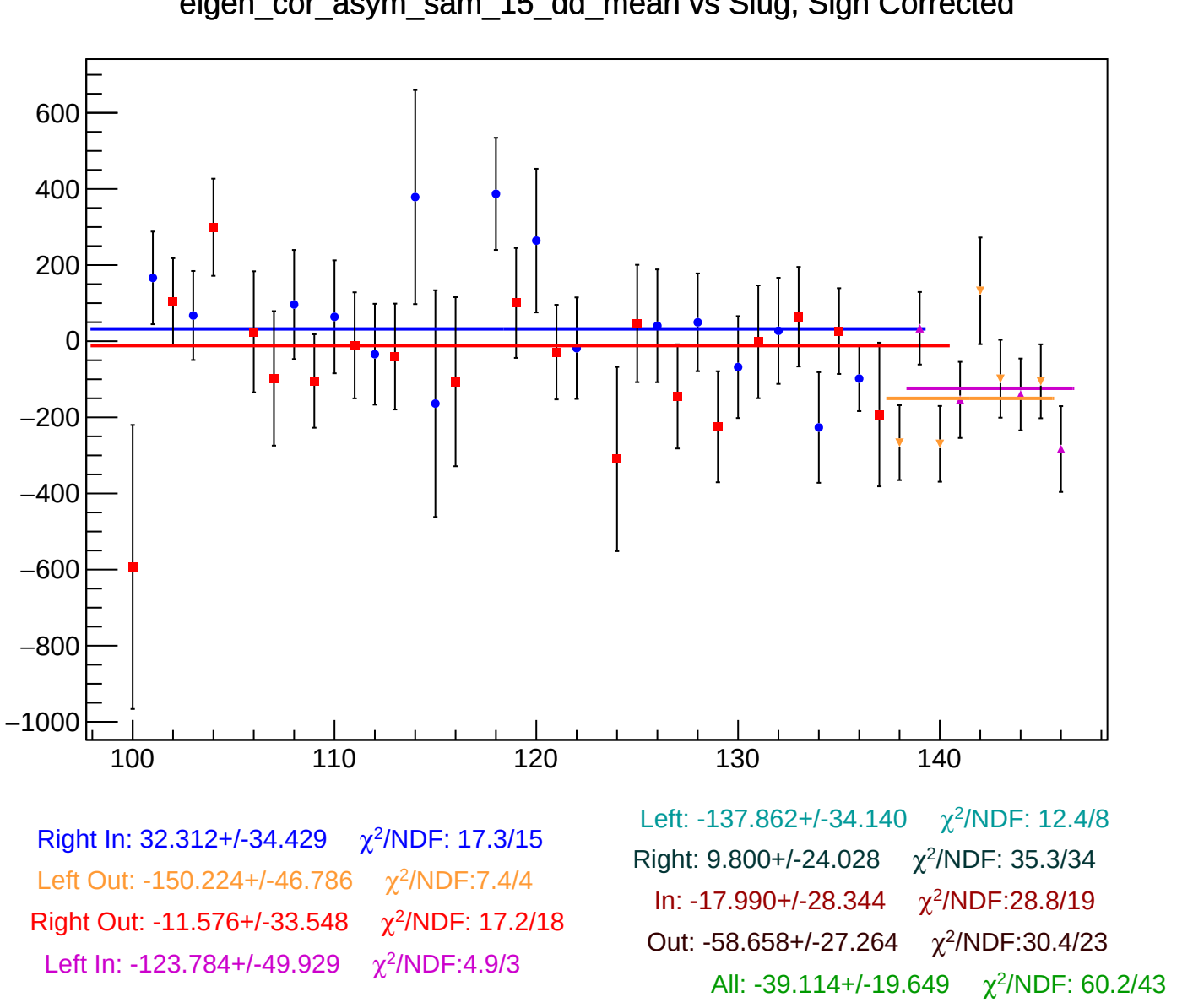
Left: 602.867+/-0.160 χ^2/NDF: 164043.8/8

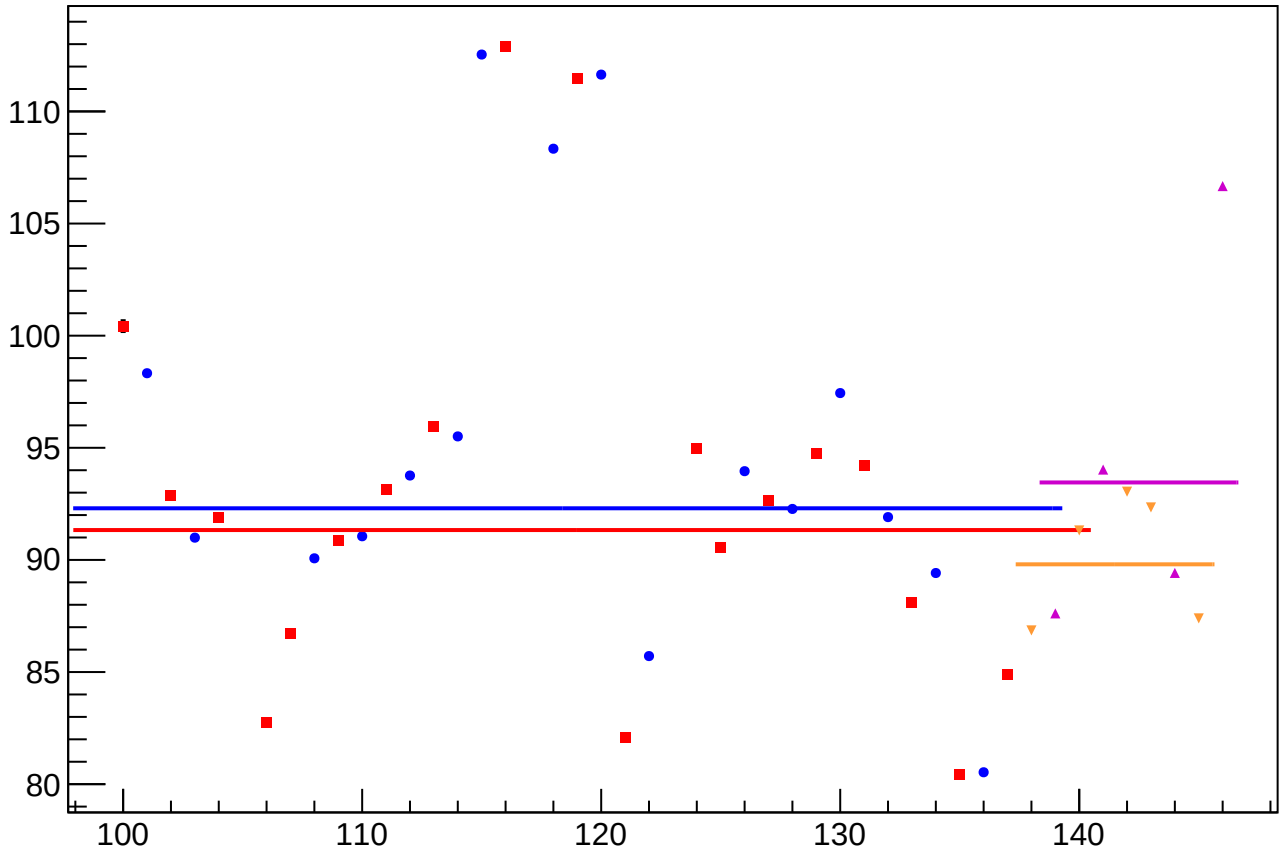
Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 650.784+/-0.144 χ^2/NDF:959223.0/19

Out: 635.752+/-0.138 χ^2/NDF:881647.4/23

All: 642.956+/-0.100 χ^2/NDF: 1846548.6/43


eigen_cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -150.224+/-46.786 χ²/NDF:7.4/4
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -123.784+/-49.929 χ²/NDF:4.9/3
Left: -137.862+/-34.140 χ²/NDF: 12.4/8
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -17.990+/-28.344 χ²/NDF:28.8/19
Out: -58.658+/-27.264 χ²/NDF:30.4/23
All: -39.114+/-19.649 χ²/NDF: 60.2/43



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 89.804+/-0.033 χ^2/NDF:5787.9/4

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

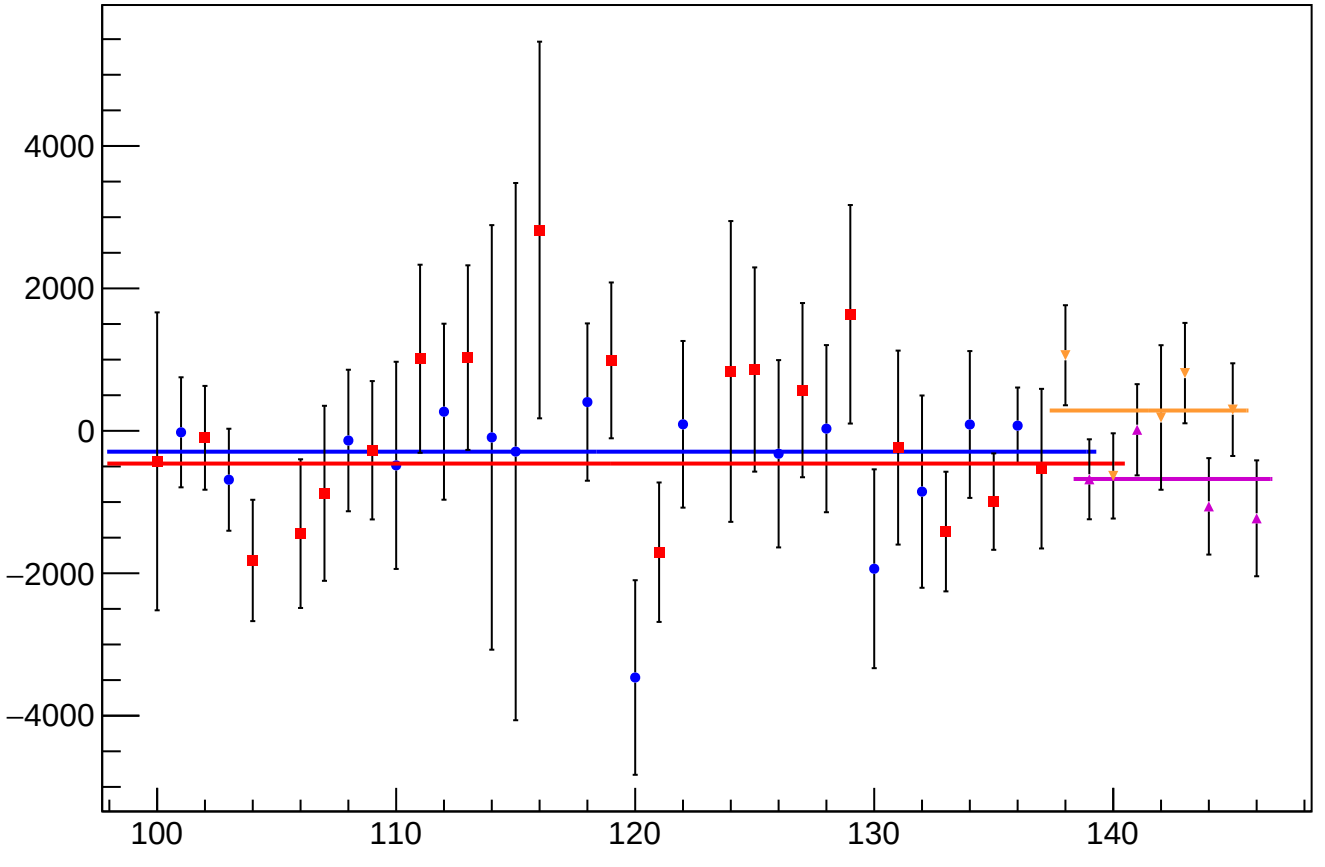
Left: 91.511+/-0.024 χ^2/NDF: 50177.6/8

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 92.674+/-0.020 χ^2/NDF:146484.7/19

Out: 90.813+/-0.019 χ^2/NDF:112115.2/23

All: 91.707+/-0.014 χ^2/NDF: 263076.2/43



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 285.447+/-313.678 χ^2/NDF:4.1/4

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -676.005+/-327.891 χ^2/NDF:1.9/3

Left: -173.990+/-226.662 χ^2/NDF: 10.6/8

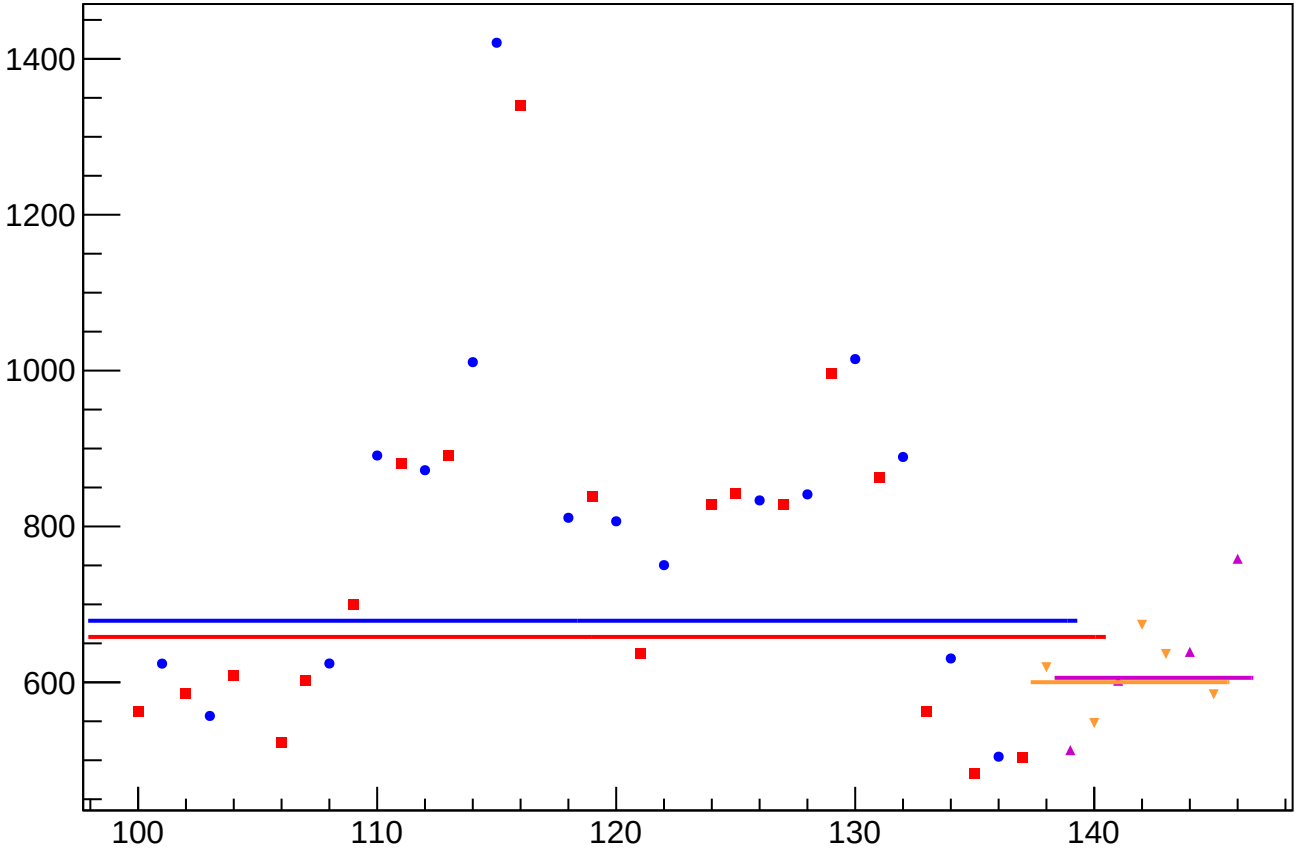
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -440.488+/-203.577 χ^2/NDF:11.6/19

Out: -170.827+/-195.284 χ^2/NDF:24.6/23

All: -300.054+/-140.927 χ^2/NDF: 37.2/43

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: 600.186+/-0.222 χ^2/NDF:33763.8/4

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 605.797+/-0.232 χ^2/NDF:129974.2/3

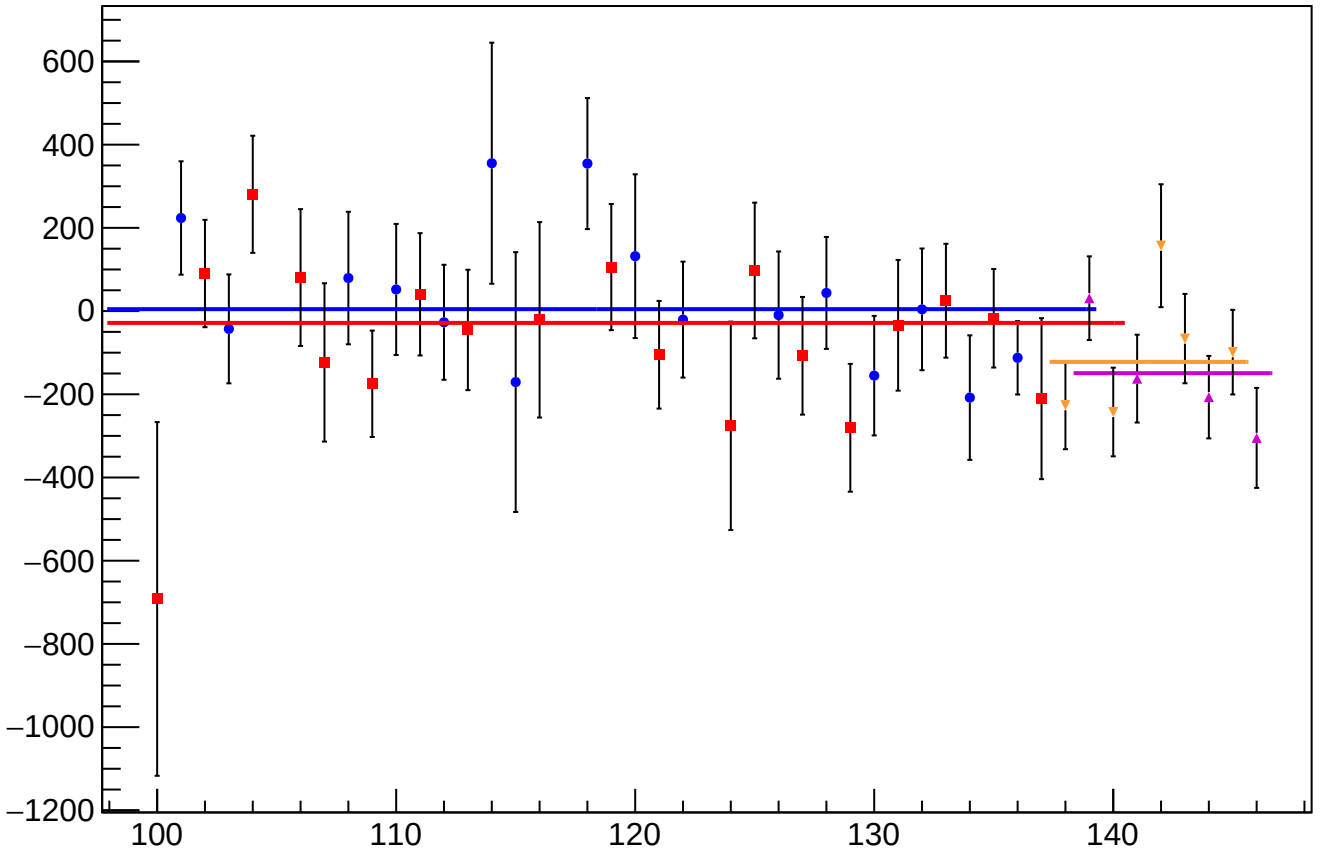
Left: 602.867+/-0.160 χ^2/NDF: 164043.8/8

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 650.784+/-0.144 χ^2/NDF:959223.0/19

Out: 635.752+/-0.138 χ^2/NDF:881647.4/23

All: 642.956+/-0.100 χ^2/NDF: 1846548.6/43



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -122.134+/-49.586 χ^2/NDF:6.1/4

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -149.246+/-52.734 χ^2/NDF:5.2/3

Left: -134.857+/-36.124 χ^2/NDF: 11.5/8

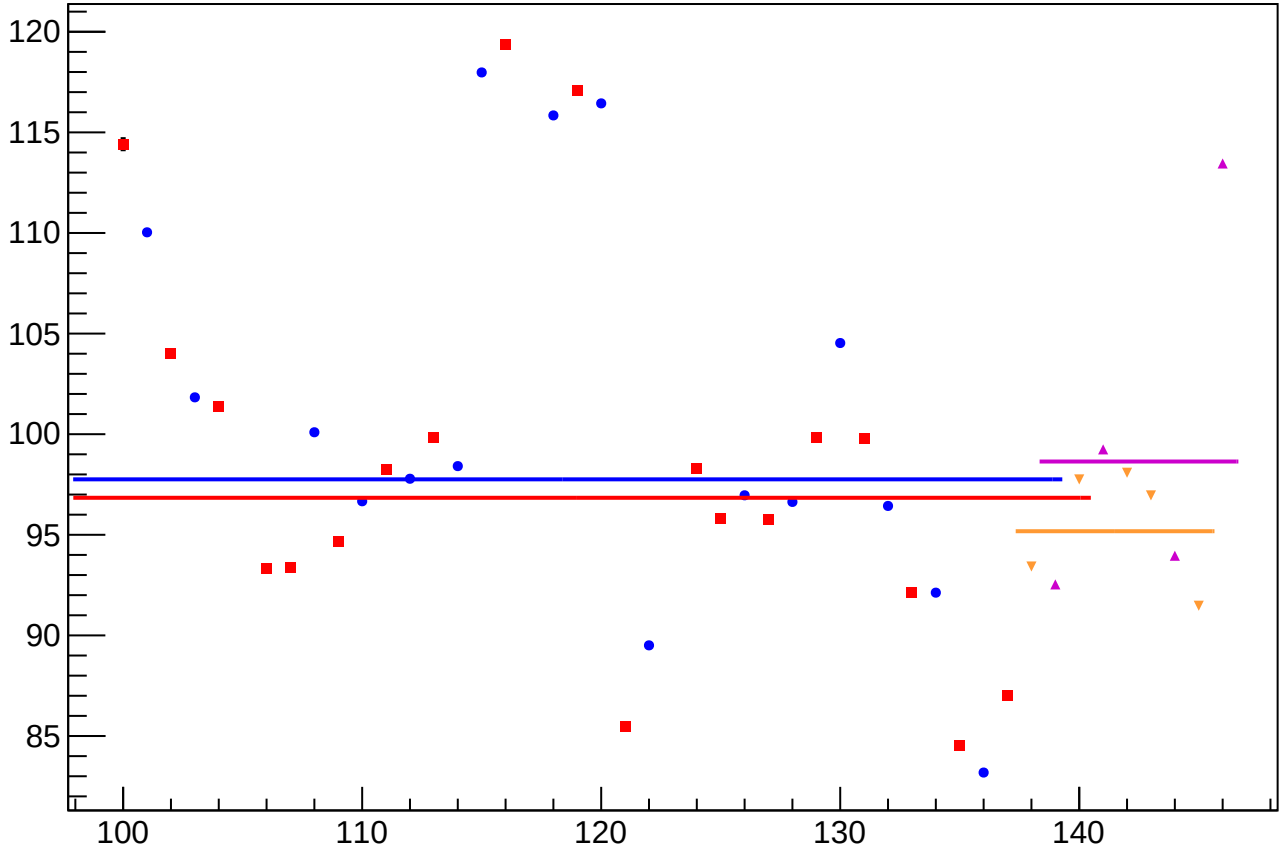
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -45.234+/-30.017 χ^2/NDF:26.3/19

Out: -60.127+/-28.846 χ^2/NDF:25.6/23

All: -52.977+/-20.799 χ^2/NDF: 52.1/43

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 95.178+/-0.035 χ^2/NDF:5693.3/4

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 98.642+/-0.037 χ^2/NDF:42283.4/3

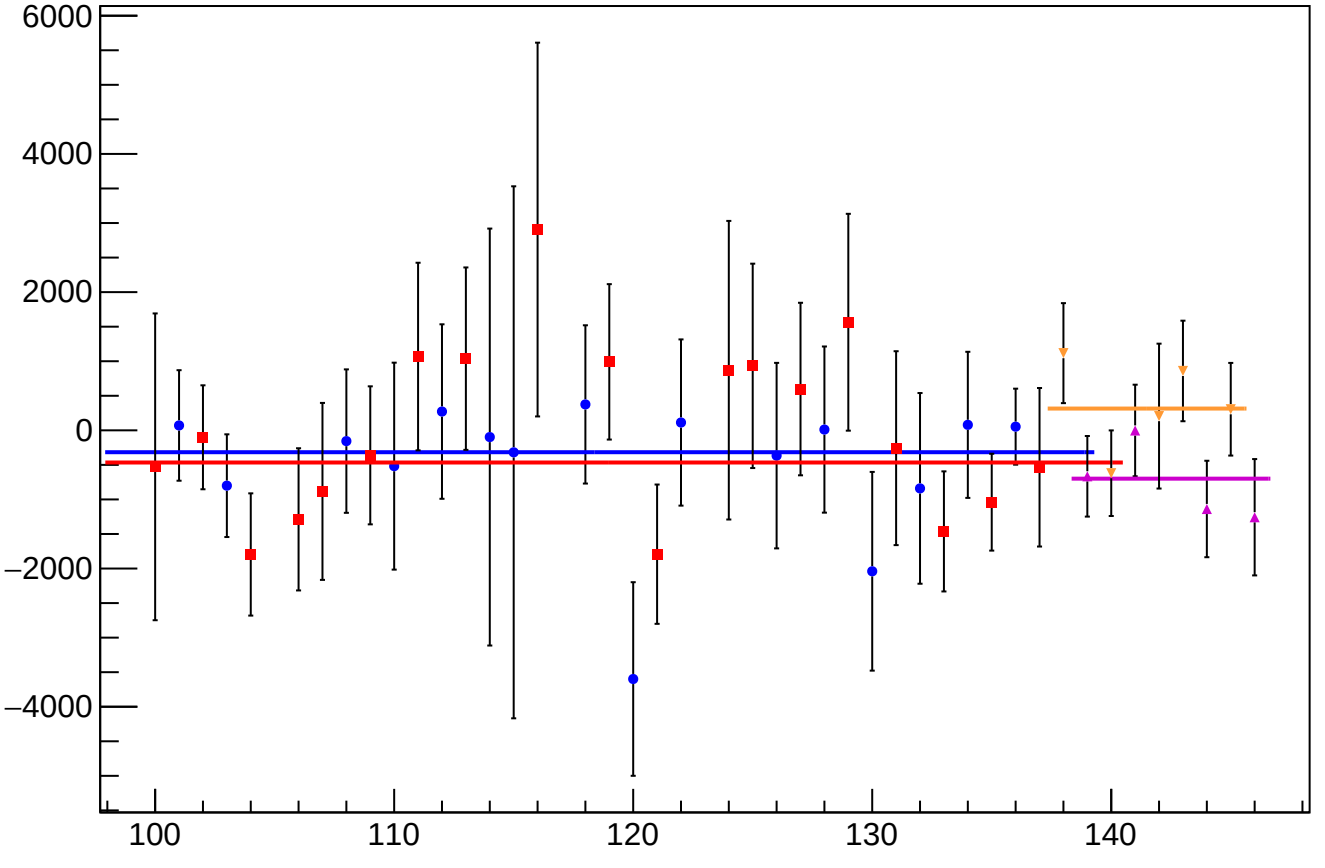
Left: 96.803+/-0.026 χ^2/NDF: 52557.6/8

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 98.043+/-0.021 χ^2/NDF:183319.4/19

Out: 96.277+/-0.020 χ^2/NDF:122351.0/23

All: 97.125+/-0.015 χ^2/NDF: 309268.4/43



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 315.045+/-323.751 χ^2/NDF:4.1/4

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -699.404+/-339.377 χ^2/NDF:1.9/3

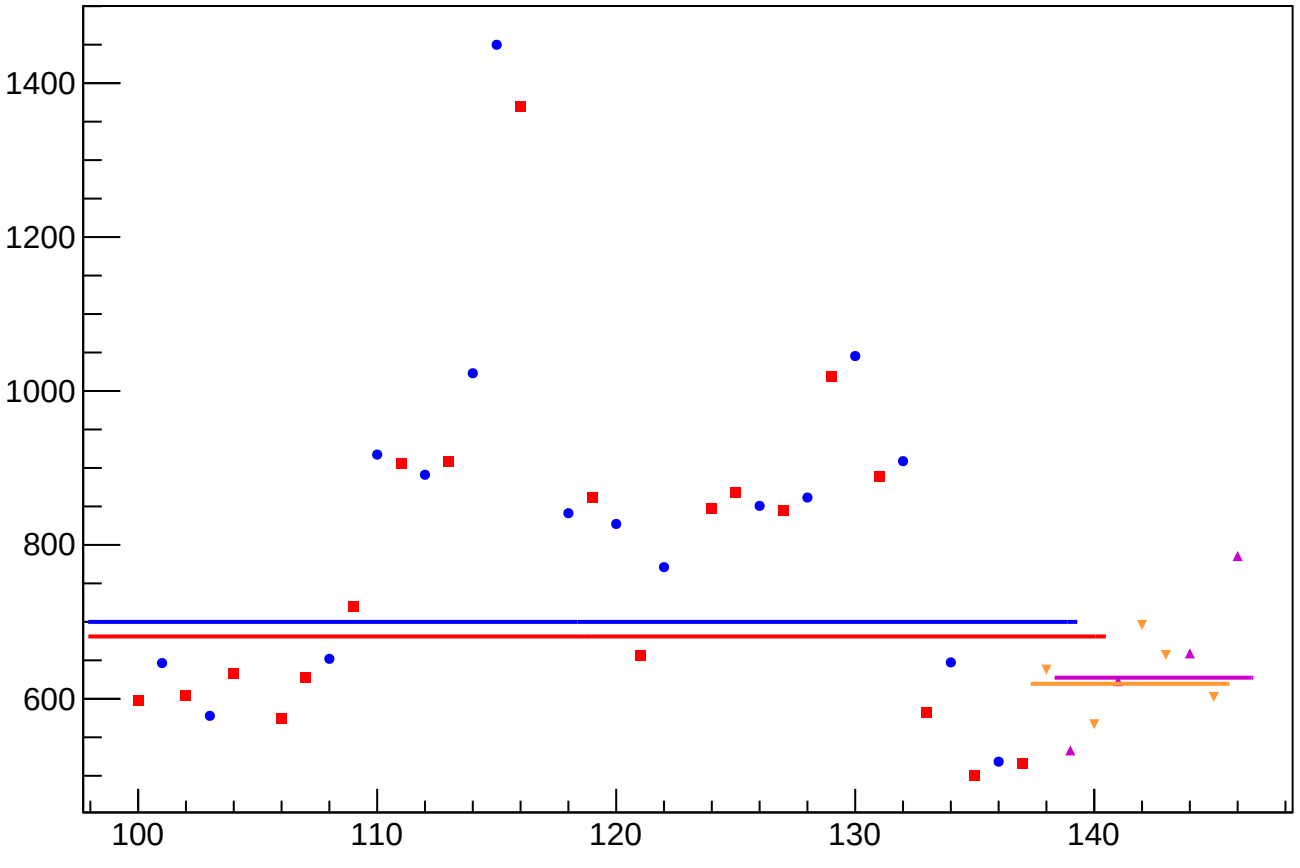
Left: -168.288+/-234.256 χ^2/NDF: 10.7/8

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -463.283+/-210.093 χ^2/NDF:11.9/19

Out: -164.330+/-201.118 χ^2/NDF:24.1/23

All: -307.285+/-145.281 χ^2/NDF: 37.1/43



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 619.551+/-0.229 χ^2/NDF:32927.7/4

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 627.484+/-0.240 χ^2/NDF:127207.4/3

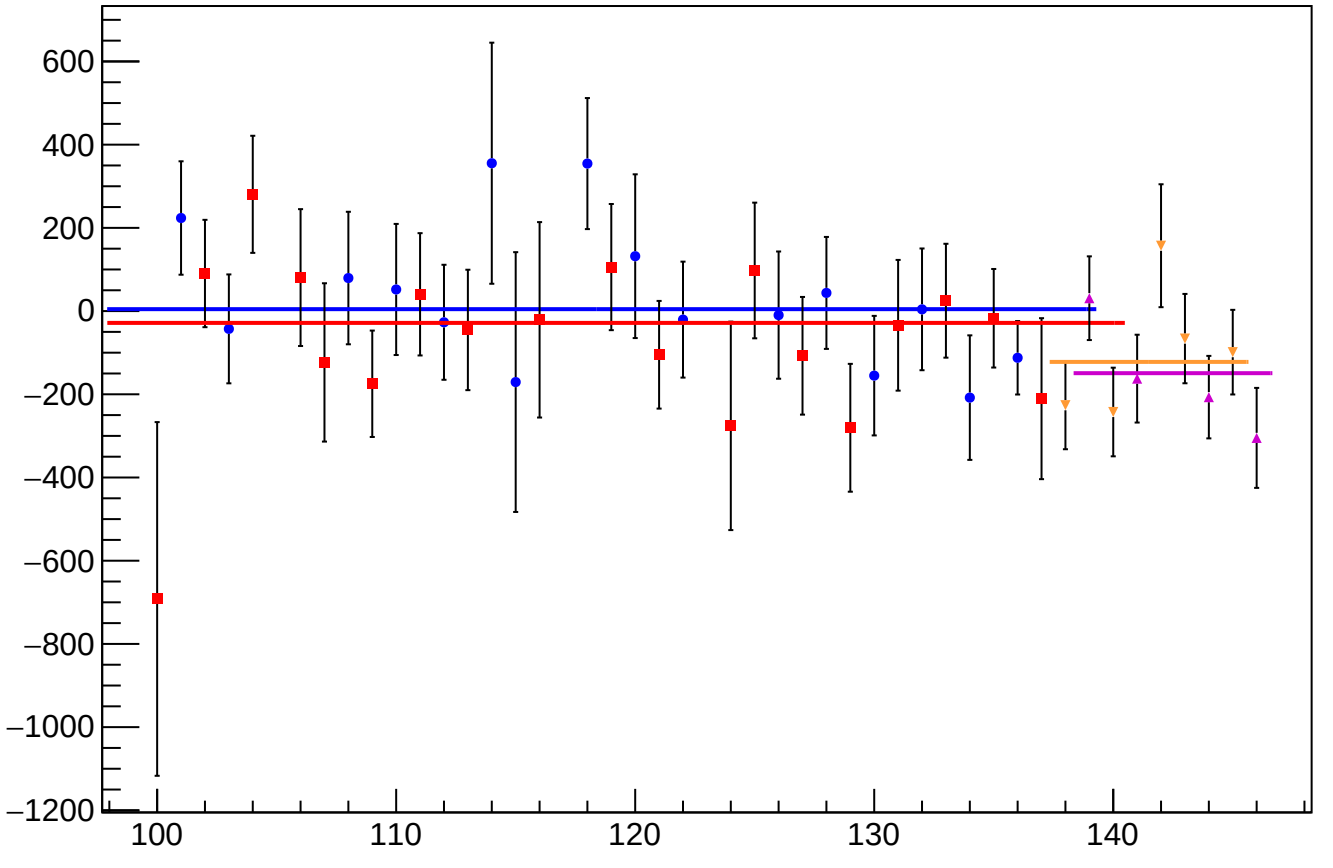
Left: 623.330+/-0.166 χ^2/NDF: 160707.3/8

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 672.193+/-0.149 χ^2/NDF:937150.5/19

Out: 657.296+/-0.142 χ^2/NDF:846595.2/23

All: 664.420+/-0.103 χ^2/NDF: 1788992.6/43



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -122.135+/-49.586 χ^2/NDF:6.1/4

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -149.247+/-52.735 χ^2/NDF:5.2/3

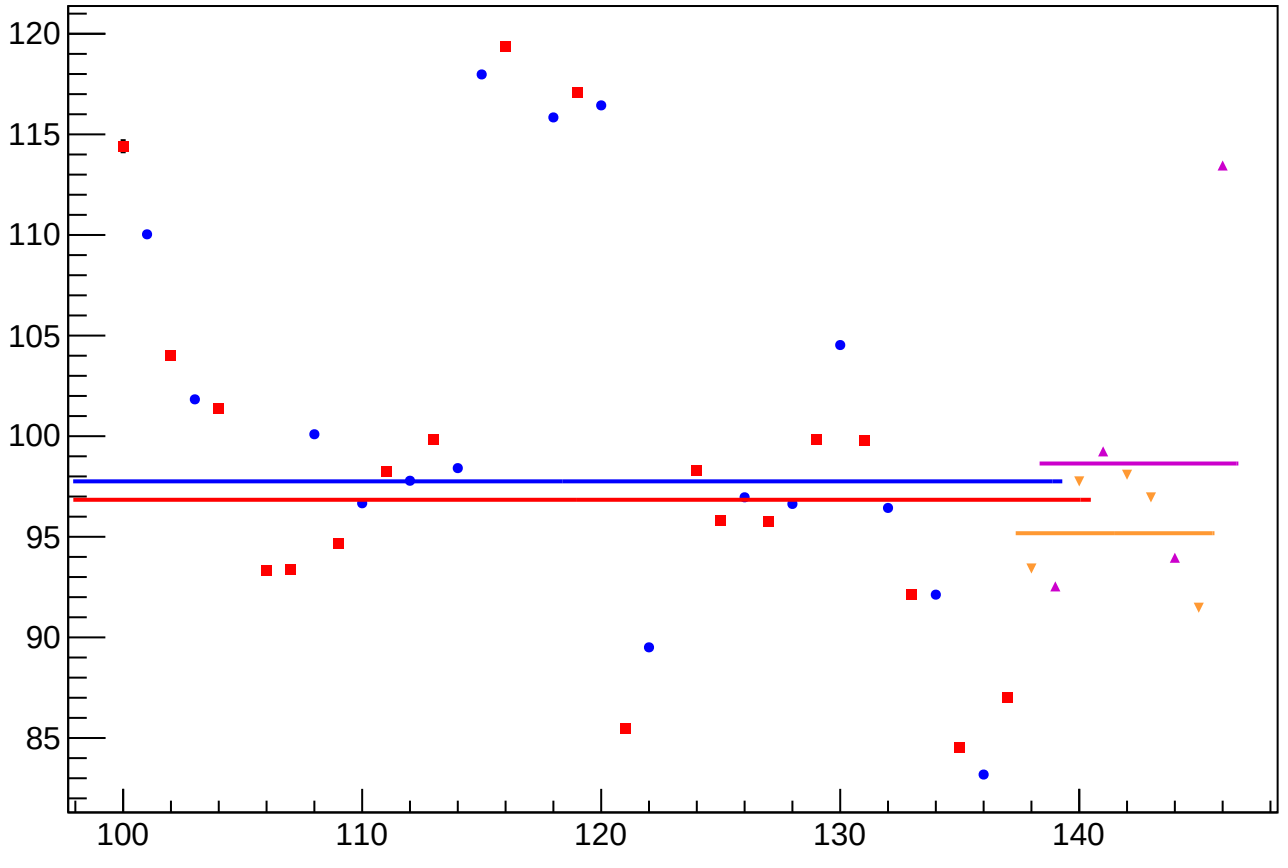
Left: -134.857+/-36.124 χ^2/NDF: 11.5/8

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -45.233+/-30.017 χ^2/NDF:26.3/19

Out: -60.127+/-28.846 χ^2/NDF:25.6/23

All: -52.976+/-20.799 χ^2/NDF: 52.1/43



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 95.178+/-0.035 χ^2/NDF:5693.2/4

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 98.642+/-0.037 χ^2/NDF:42283.9/3

Left: 96.803+/-0.026 χ^2/NDF: 52558.1/8

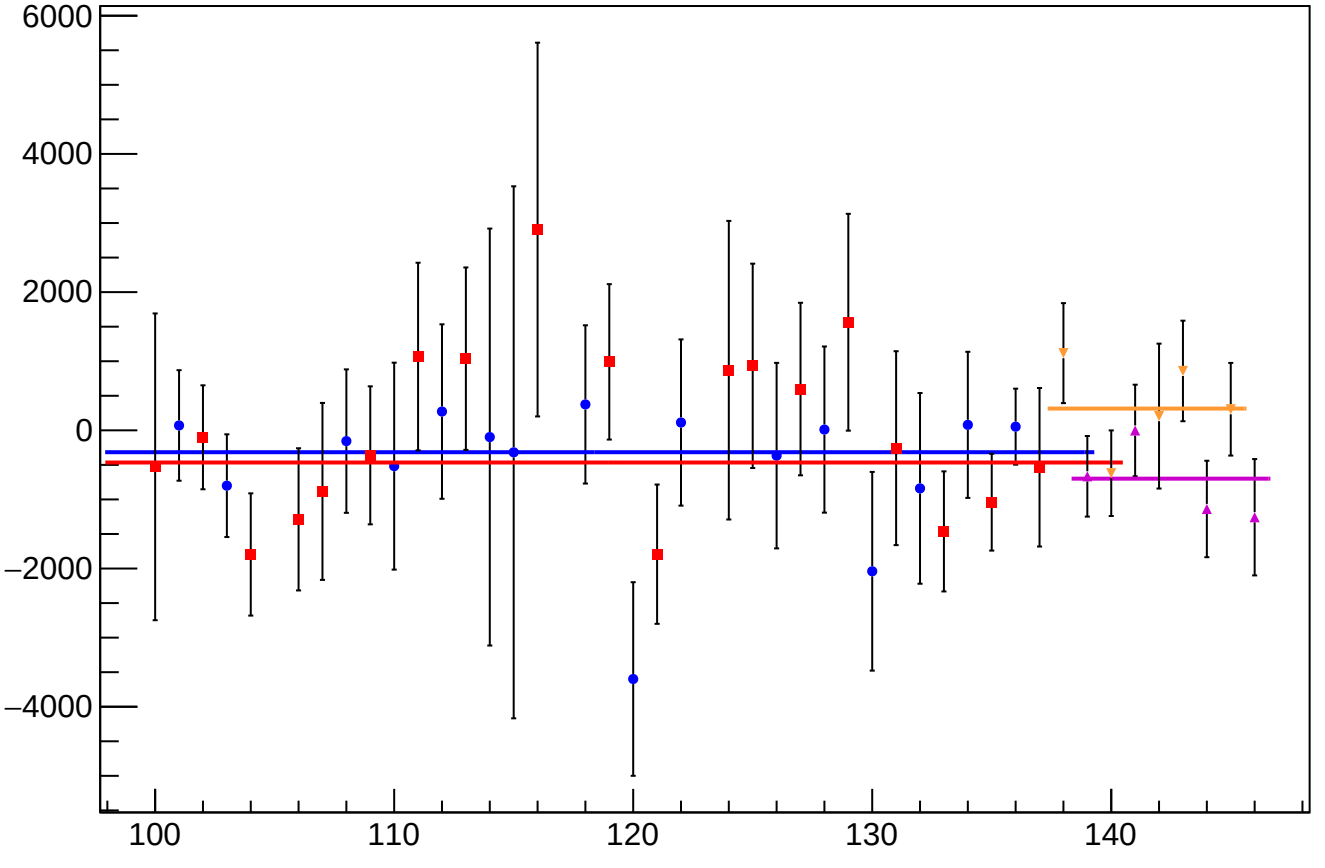
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 98.043+/-0.021 χ^2/NDF:183320.6/19

Out: 96.277+/-0.020 χ^2/NDF:122352.3/23

All: 97.125+/-0.015 χ^2/NDF: 309271.2/43

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 315.044+/-323.751 χ^2/NDF:4.1/4

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -699.405+/-339.377 χ^2/NDF:1.9/3

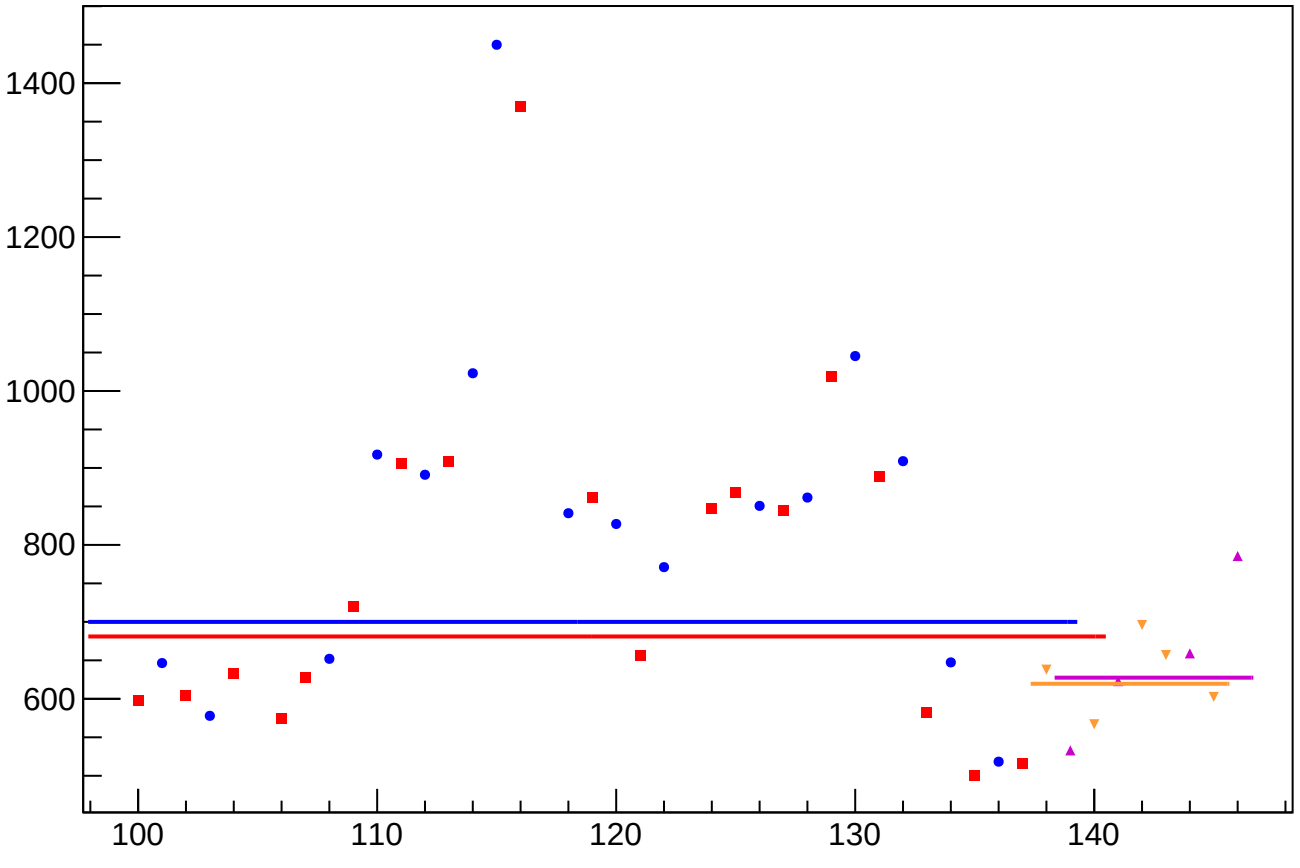
Left: -168.289+/-234.256 χ^2/NDF: 10.7/8

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -463.283+/-210.092 χ^2/NDF:11.9/19

Out: -164.331+/-201.118 χ^2/NDF:24.1/23

All: -307.286+/-145.281 χ^2/NDF: 37.1/43



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 619.551+/-0.229 χ^2/NDF:32926.9/4

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 627.485+/-0.240 χ^2/NDF:127207.2/3

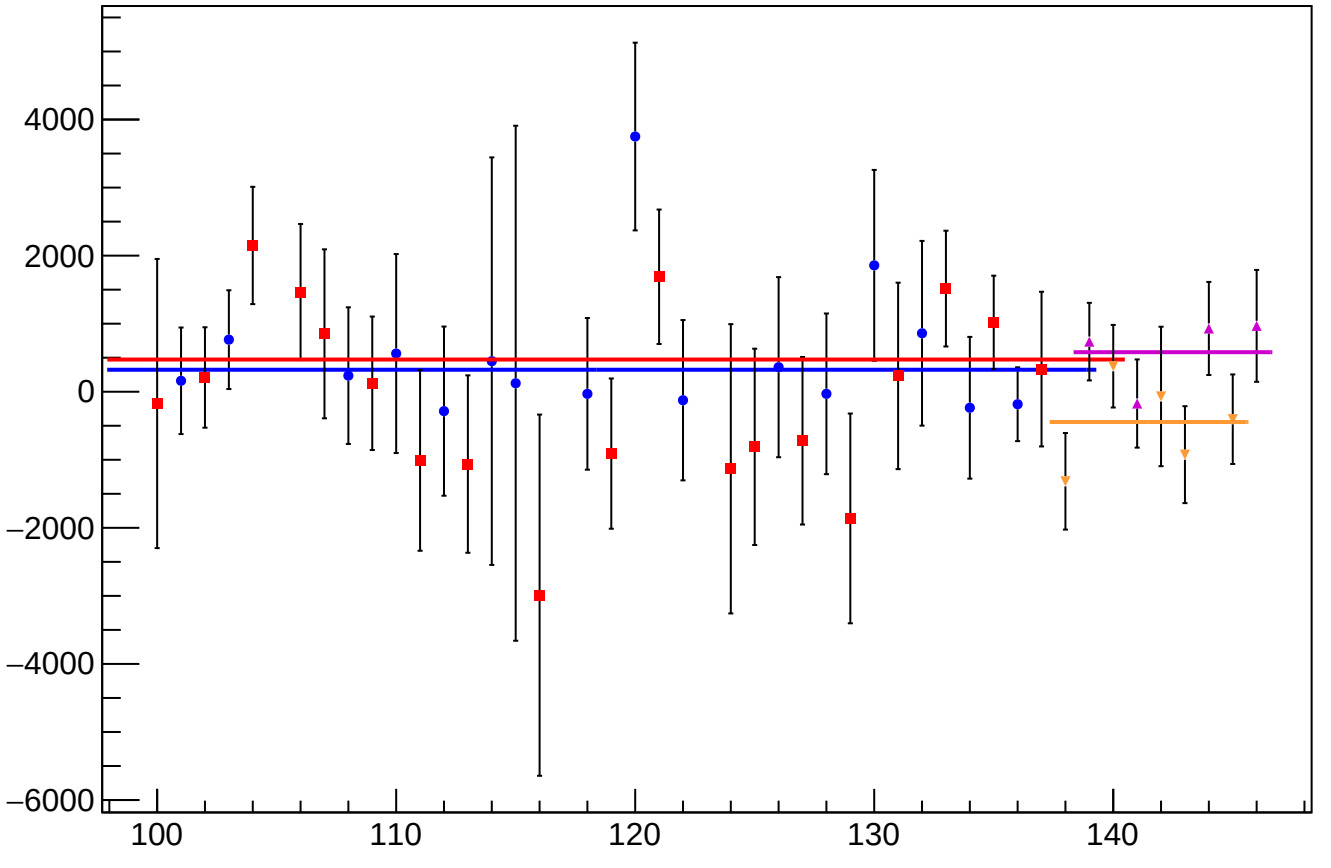
Left: 623.331+/-0.166 χ^2/NDF: 160706.3/8

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 672.193+/-0.149 χ^2/NDF:937149.3/19

Out: 657.296+/-0.142 χ^2/NDF:846594.4/23

All: 664.419+/-0.103 χ^2/NDF: 1788990.7/43



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -444.699+/-317.265 χ^2/NDF:3.9/4

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 581.152+/-331.921 χ^2/NDF:1.9/3

Left: 45.079+/-229.346 χ^2/NDF: 10.8/8

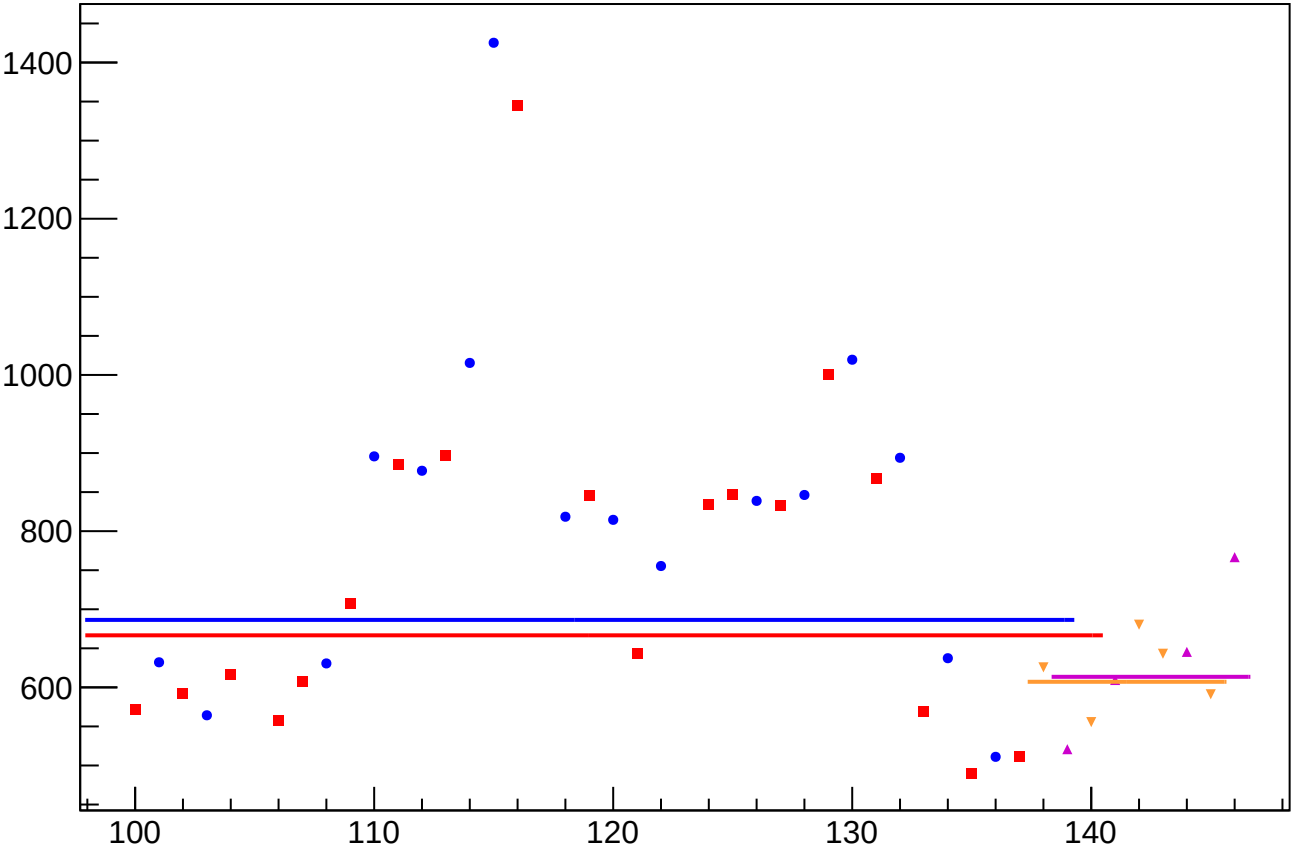
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 422.377+/-205.813 χ^2/NDF:12.0/19

Out: 119.299+/-197.005 χ^2/NDF:28.5/23

All: 264.214+/-142.316 χ^2/NDF: 41.6/43

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 607.154+/-0.224 χ^2/NDF:32272.4/4

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 613.522+/-0.235 χ^2/NDF:126724.8/3

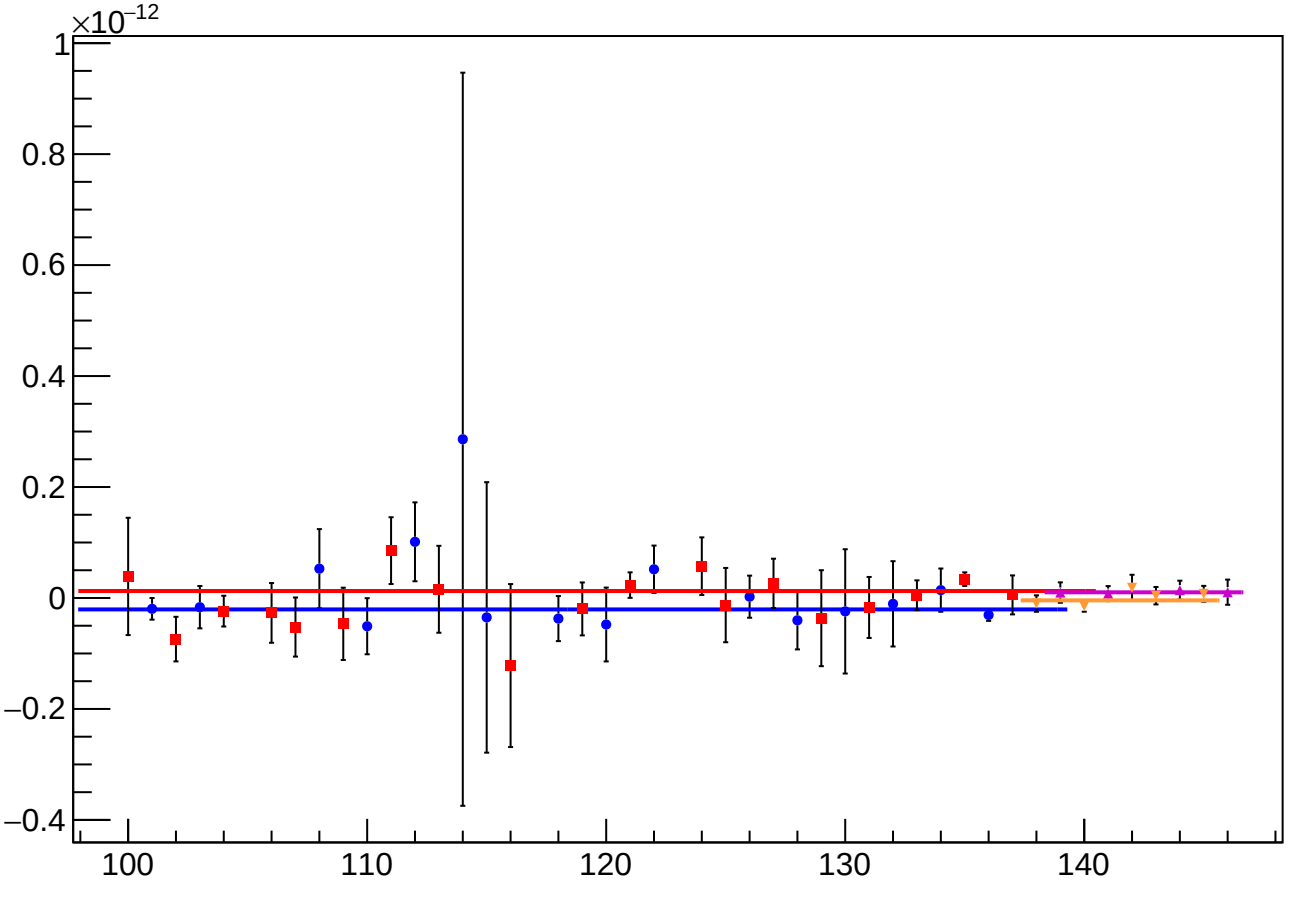
Left: 610.194+/-0.162 χ^2/NDF: 159382.0/8

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 658.376+/-0.146 χ^2/NDF:935516.3/19

Out: 643.700+/-0.139 χ^2/NDF:852498.7/23

All: 650.717+/-0.101 χ^2/NDF: 1793322.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/3

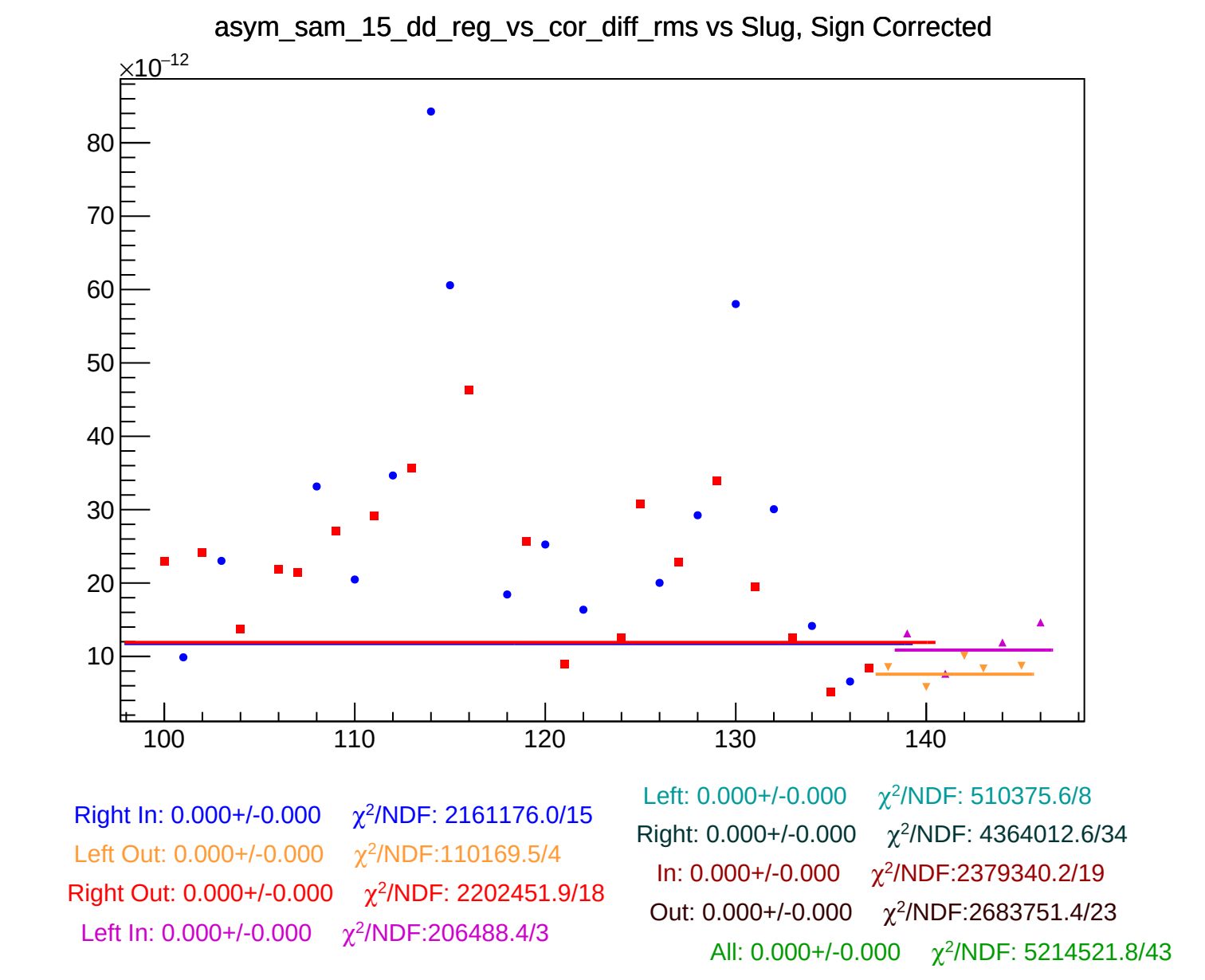
Left: 0.000+/-0.000 χ^2/NDF: 5.1/8

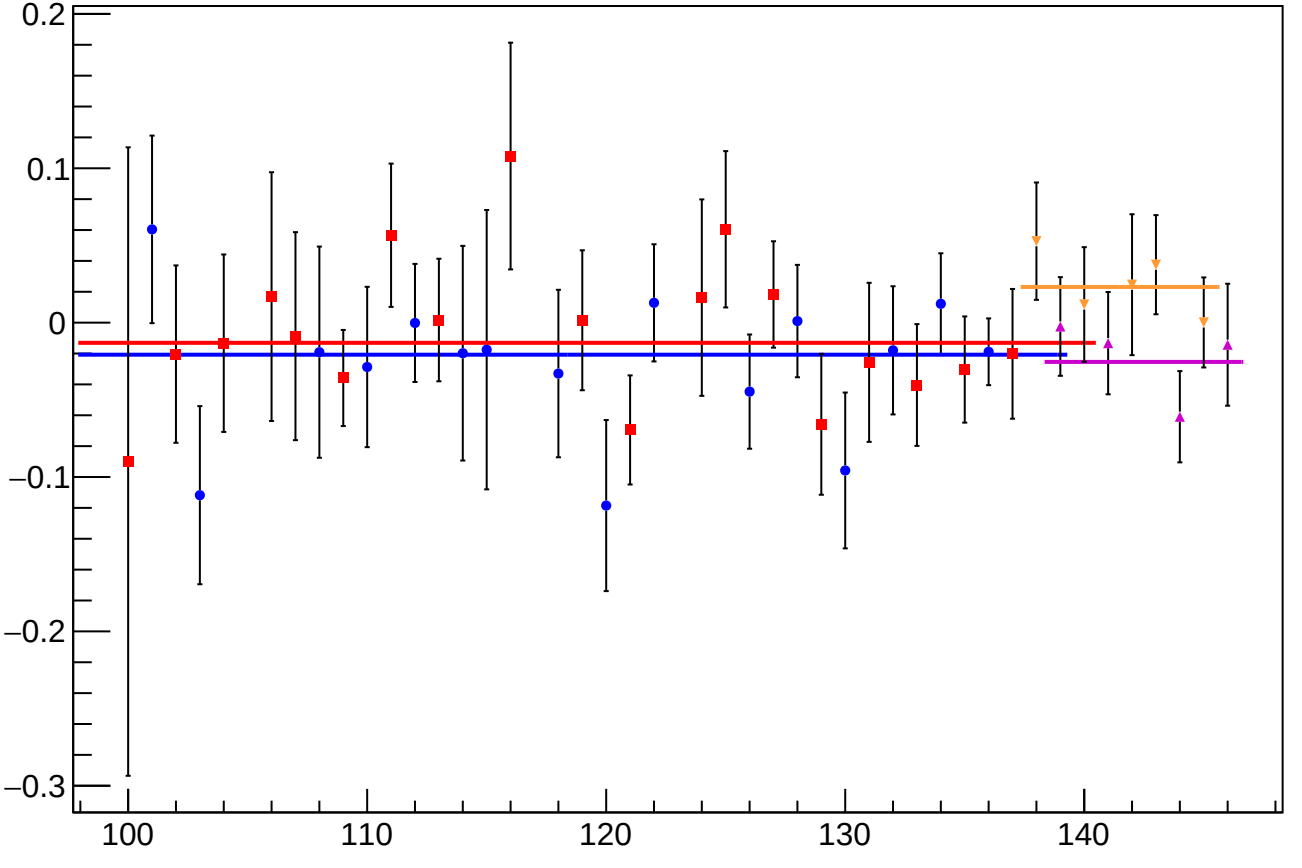
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:17.2/19

Out: 0.000+/-0.000 χ^2/NDF:23.0/23

All: -0.000+/-0.000 χ^2/NDF: 41.6/43


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
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:110169.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:206488.4/3
Left: 0.000+/-0.000 χ²/NDF: 510375.6/8
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2379340.2/19
Out: 0.000+/-0.000 χ²/NDF:2683751.4/23
All: 0.000+/-0.000 χ²/NDF: 5214521.8/43



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.016 χ^2/NDF:1.5/4

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.016 χ^2/NDF:2.2/3

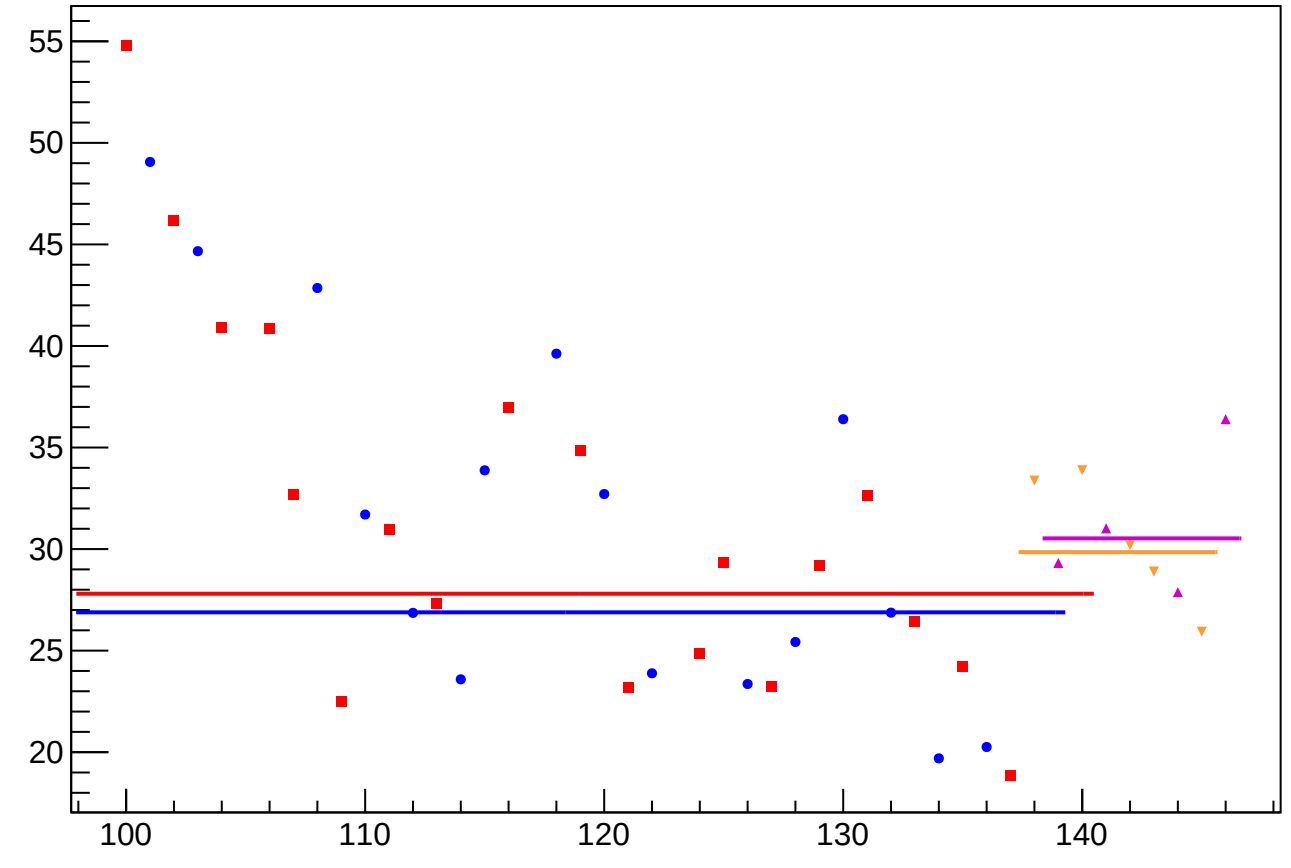
Left: -0.000+/-0.011 χ^2/NDF: 8.2/8

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.009 χ^2/NDF:14.8/19

Out: -0.002+/-0.009 χ^2/NDF:19.1/23

All: -0.012+/-0.006 χ^2/NDF: 36.5/43



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 29.849+/-0.011 χ^2/NDF:78702.3/4

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.526+/-0.012 χ^2/NDF:63514.1/3

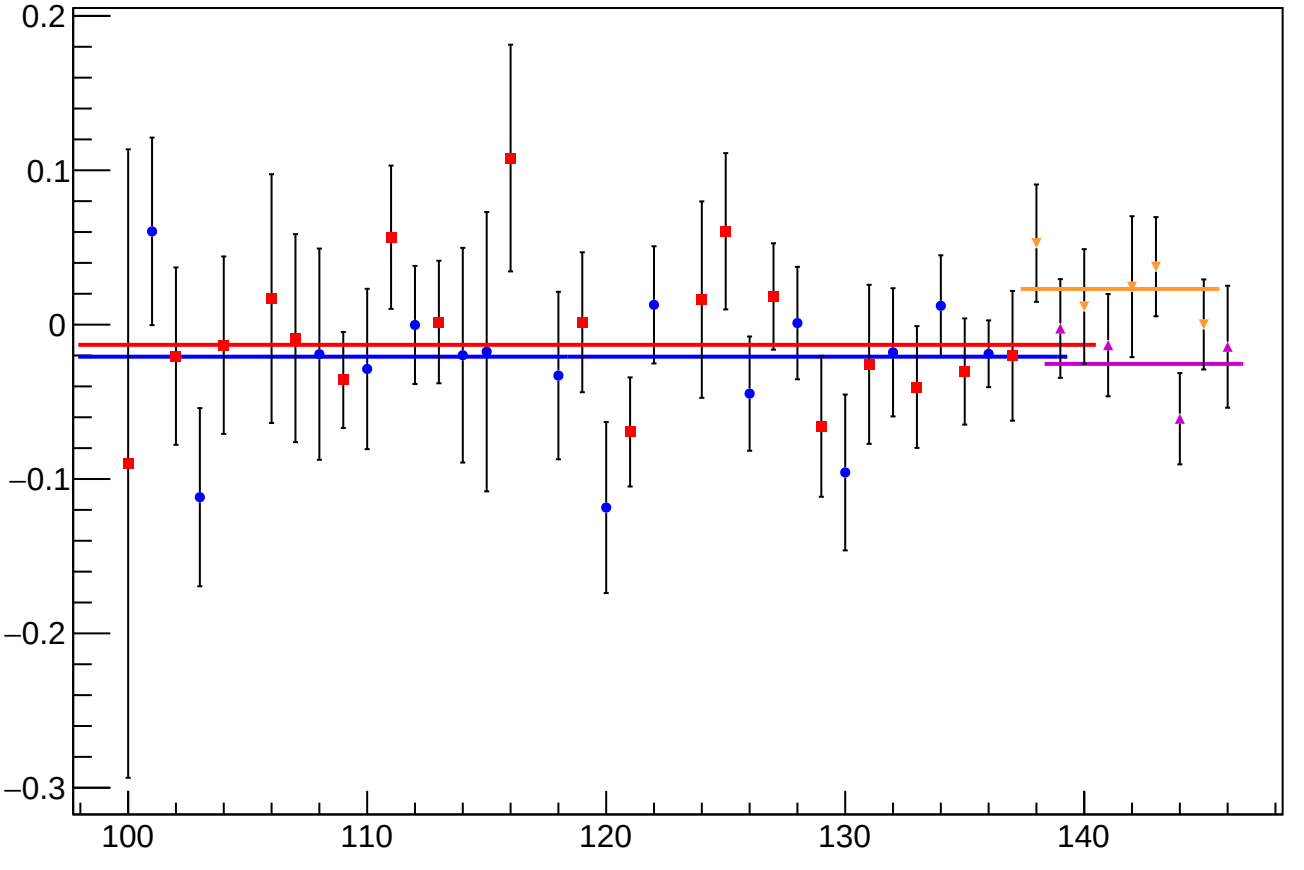
Left: 30.172+/-0.008 χ^2/NDF: 143981.7/8

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 27.937+/-0.006 χ^2/NDF:1253352.0/19

Out: 28.436+/-0.006 χ^2/NDF:865197.4/23

All: 28.190+/-0.004 χ^2/NDF: 2121762.8/43



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.016 χ^2/NDF:1.5/4

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.016 χ^2/NDF:2.2/3

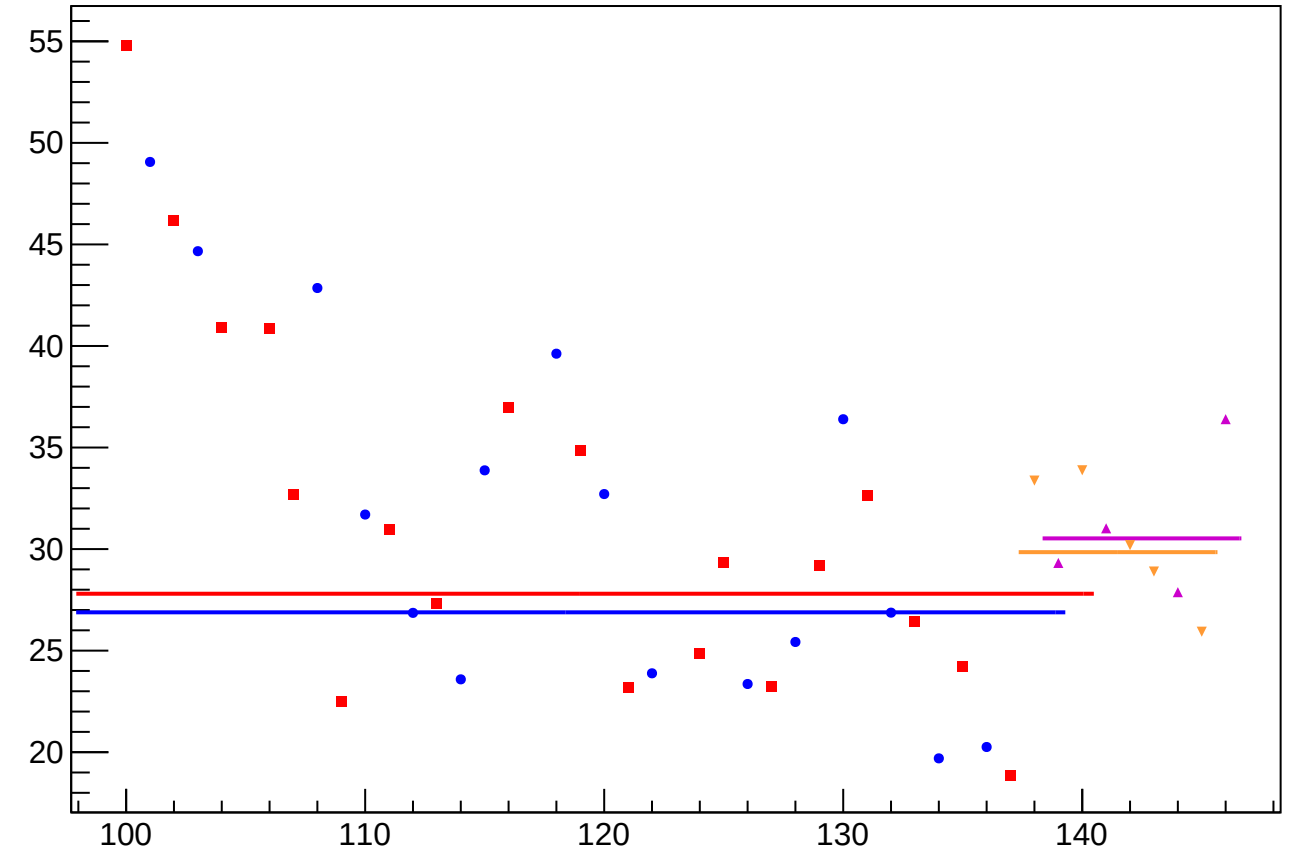
Left: -0.000+/-0.011 χ^2/NDF: 8.2/8

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.009 χ^2/NDF:14.8/19

Out: -0.002+/-0.009 χ^2/NDF:19.1/23

All: -0.012+/-0.006 χ^2/NDF: 36.5/43



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 29.849+/-0.011 χ^2/NDF:78702.3/4

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.526+/-0.012 χ^2/NDF:63514.1/3

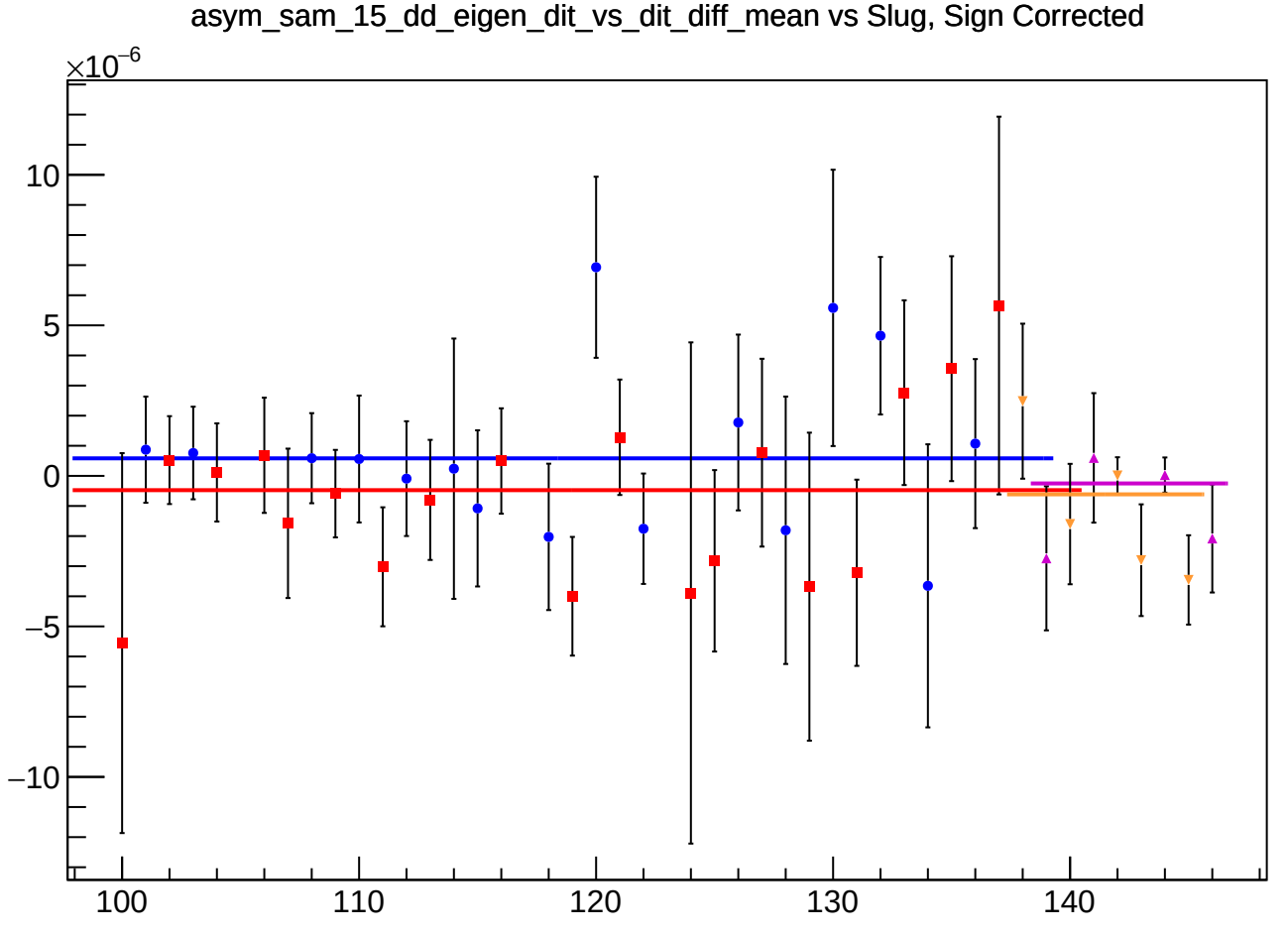
Left: 30.172+/-0.008 χ^2/NDF: 143981.7/8

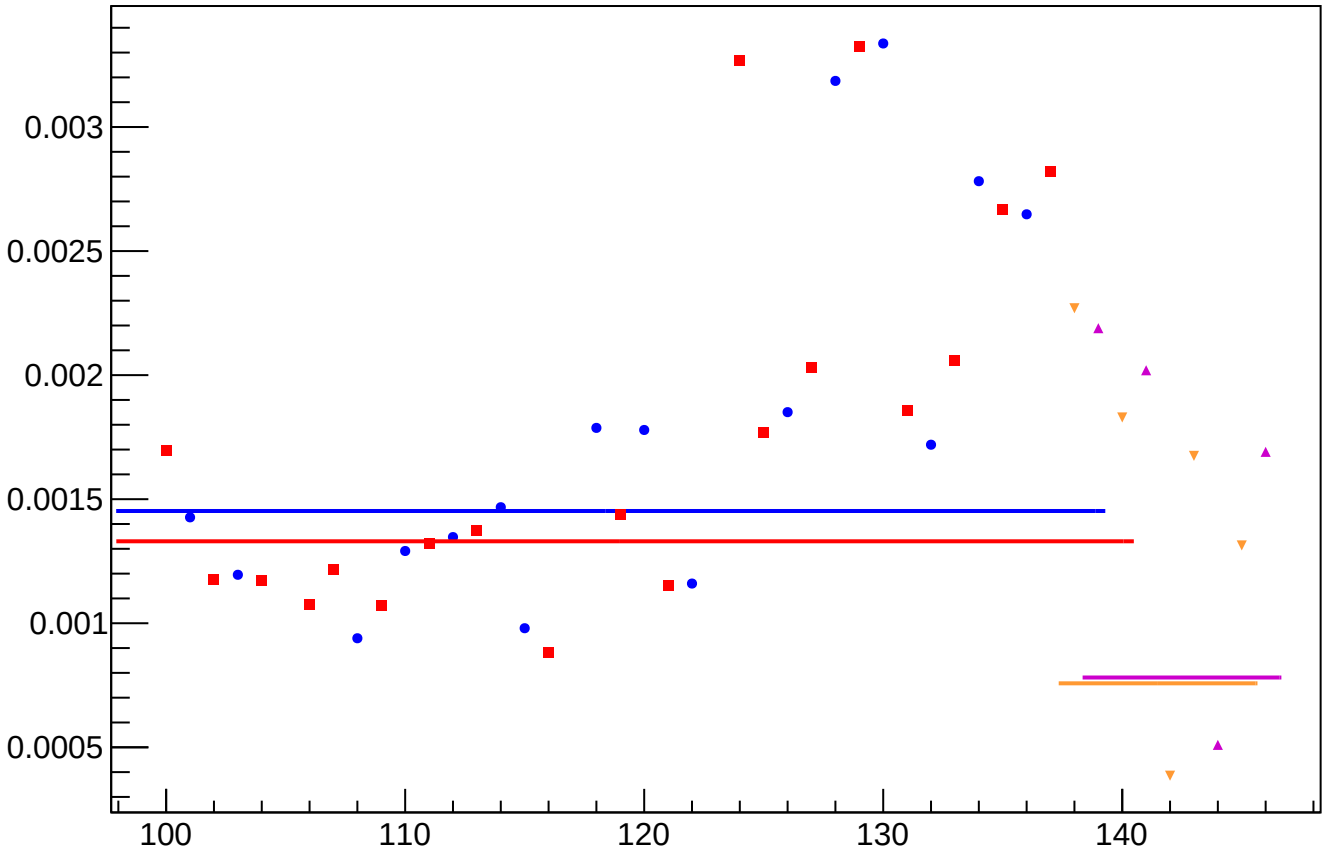
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 27.937+/-0.006 χ^2/NDF:1253352.0/19

Out: 28.436+/-0.006 χ^2/NDF:865197.4/23

All: 28.190+/-0.004 χ^2/NDF: 2121762.8/43


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
Right In: 0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:7.8/4
Right Out: -0.000+/-0.000 χ²/NDF: 13.2/18
Left In: -0.000+/-0.000 χ²/NDF:2.5/3
Left: -0.000+/-0.000 χ²/NDF: 10.6/8
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: 0.000+/-0.000 χ²/NDF:16.4/19
Out: -0.000+/-0.000 χ²/NDF:21.0/23
All: -0.000+/-0.000 χ²/NDF: 39.0/43



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2788147.8/4

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2299802.2/3

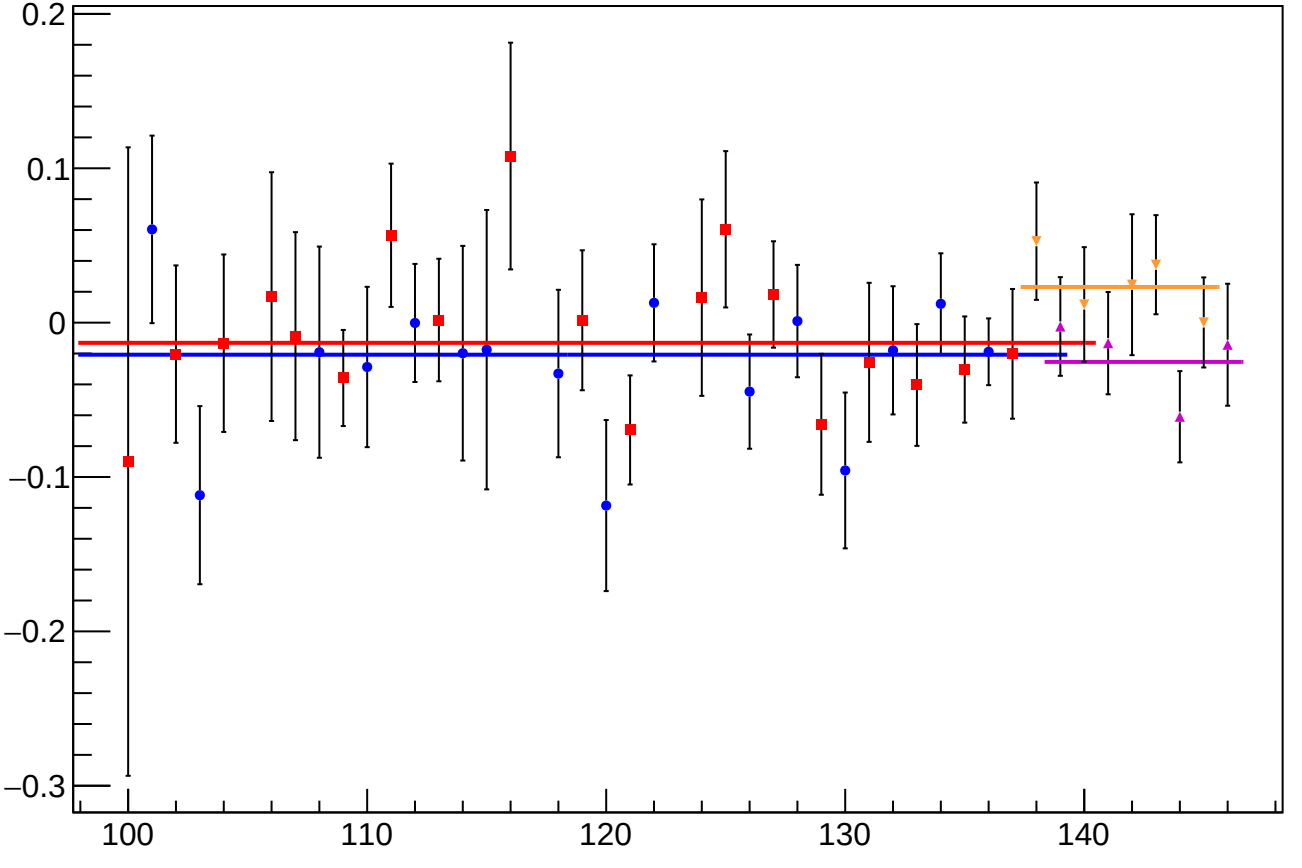
Left: 0.001+/-0.000 χ^2/NDF: 5090015.7/8

Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.001+/-0.000 χ^2/NDF:5491313.4/19

Out: 0.001+/-0.000 χ^2/NDF:5433776.7/23

All: 0.001+/-0.000 χ^2/NDF: 10940691.7/43



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.016 χ^2/NDF:1.5/4

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.016 χ^2/NDF:2.2/3

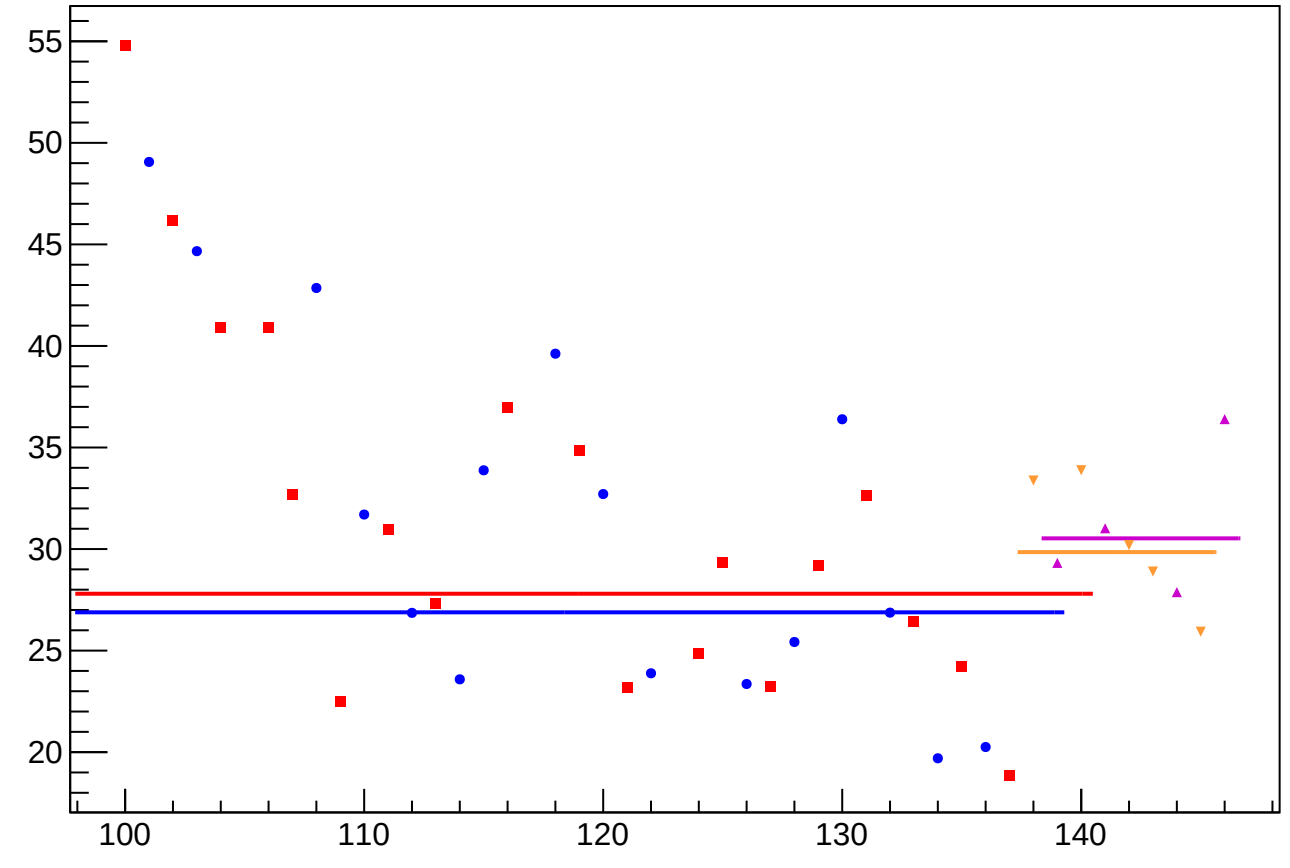
Left: -0.000+/-0.011 χ^2/NDF: 8.2/8

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.009 χ^2/NDF:14.8/19

Out: -0.002+/-0.009 χ^2/NDF:19.1/23

All: -0.012+/-0.006 χ^2/NDF: 36.5/43



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 29.849+/-0.011 χ^2/NDF:78731.8/4

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.527+/-0.012 χ^2/NDF:63524.1/3

Left: 30.172+/-0.008 χ^2/NDF: 144024.5/8

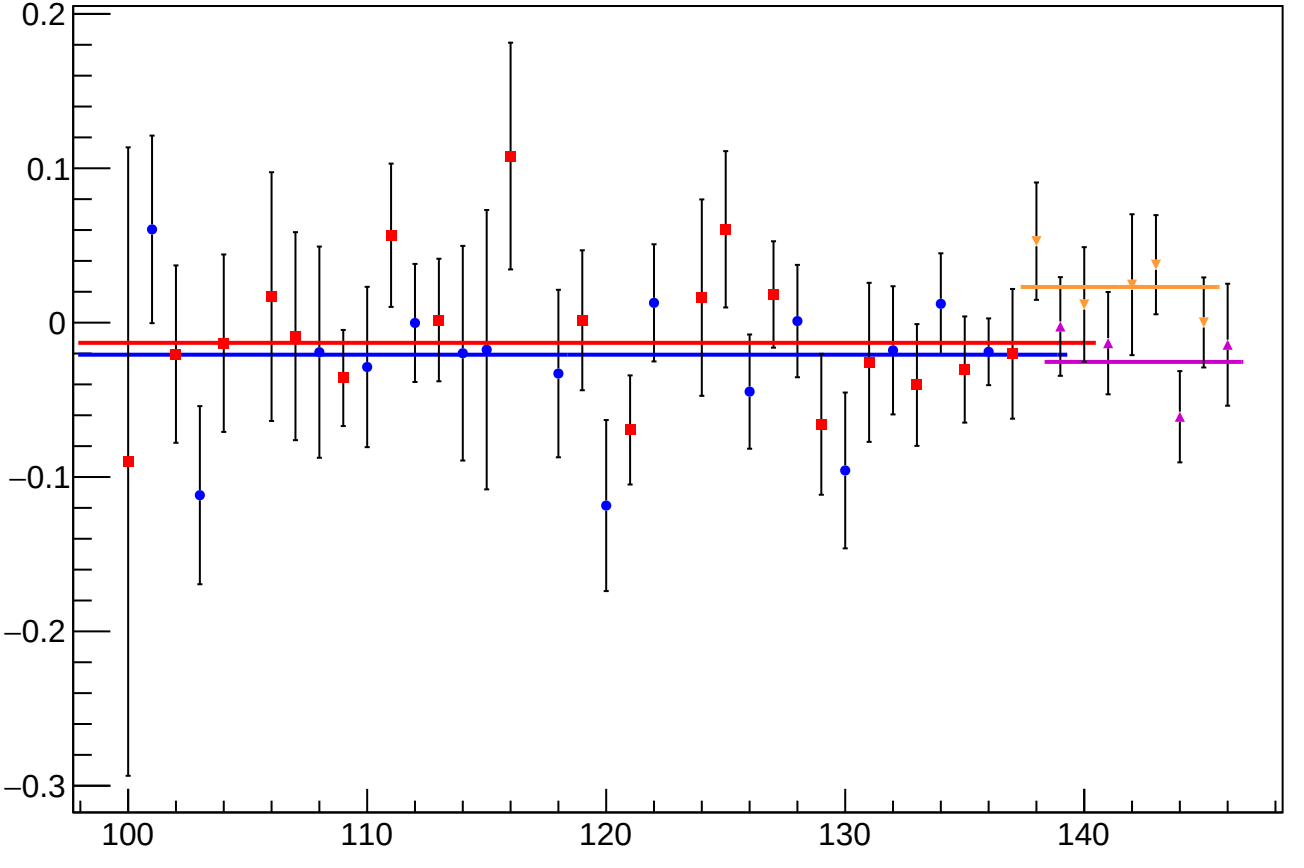
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 27.936+/-0.006 χ^2/NDF:1253430.5/19

Out: 28.435+/-0.006 χ^2/NDF:865366.7/23

All: 28.189+/-0.004 χ^2/NDF: 2122004.9/43

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: 0.023+/-0.016 χ^2/NDF:1.5/4

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.016 χ^2/NDF:2.2/3

Left: -0.000+/-0.011 χ^2/NDF: 8.2/8

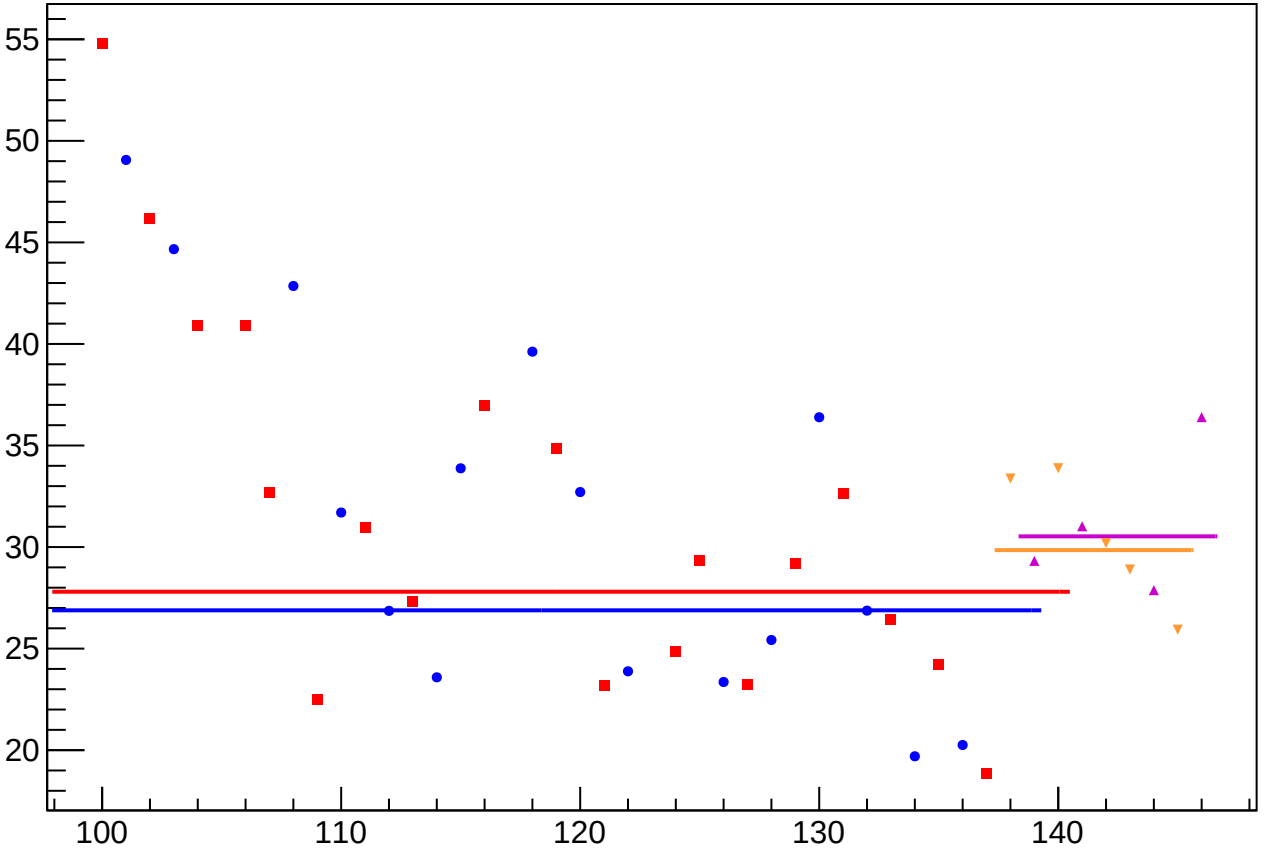
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.009 χ^2/NDF:14.8/19

Out: -0.002+/-0.009 χ^2/NDF:19.1/23

All: -0.012+/-0.006 χ^2/NDF: 36.5/43

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 29.849+/-0.011 χ^2/NDF:78731.8/4

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.527+/-0.012 χ^2/NDF:63524.1/3

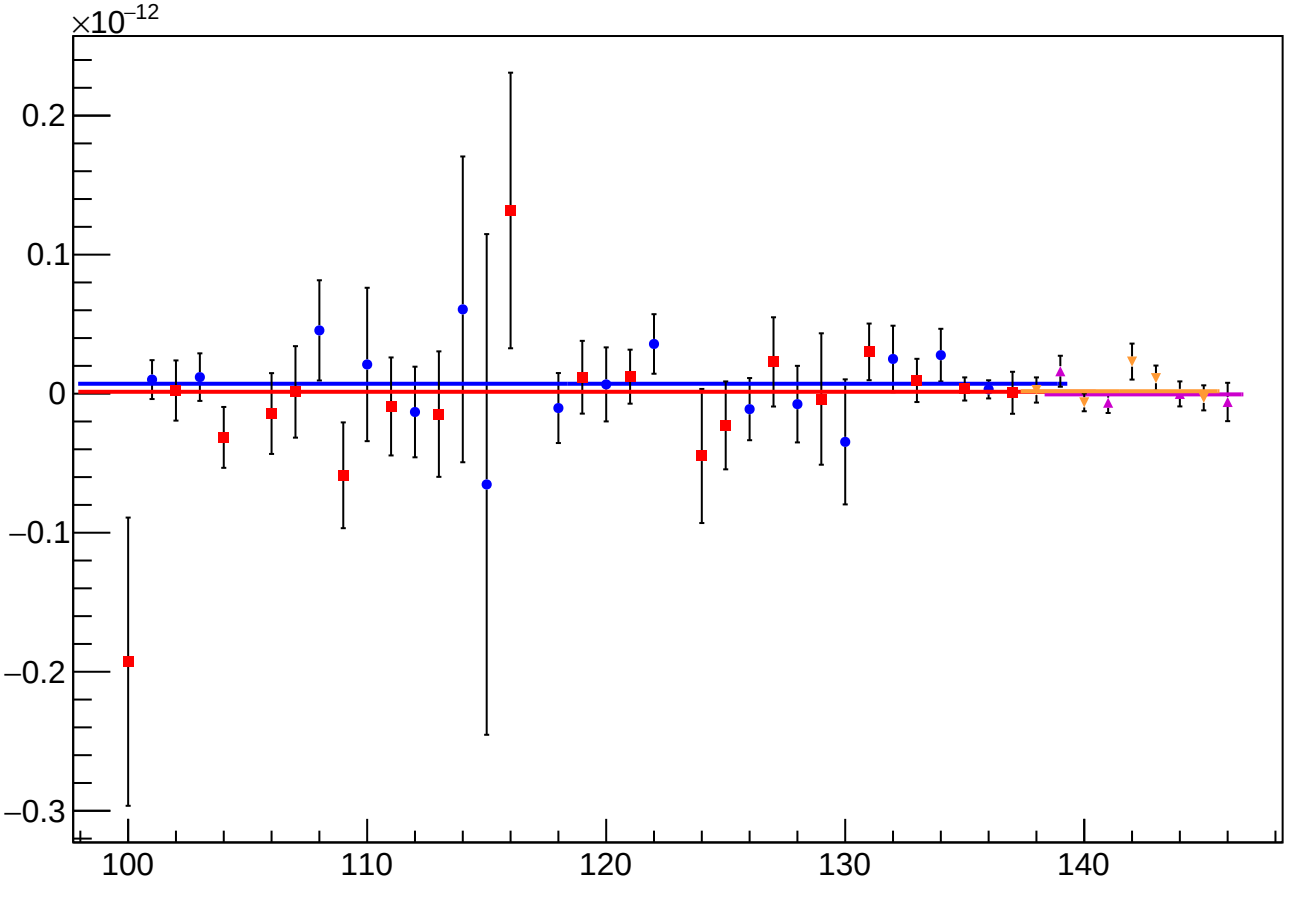
Left: 30.172+/-0.008 χ^2/NDF: 144024.5/8

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 27.936+/-0.006 χ^2/NDF:1253430.5/19

Out: 28.435+/-0.006 χ^2/NDF:865366.7/23

All: 28.189+/-0.004 χ^2/NDF: 2122004.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/4

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

Left In: -0.000+/-0.000 χ^2/NDF:3.0/3

Left: 0.000+/-0.000 χ^2/NDF: 8.8/8

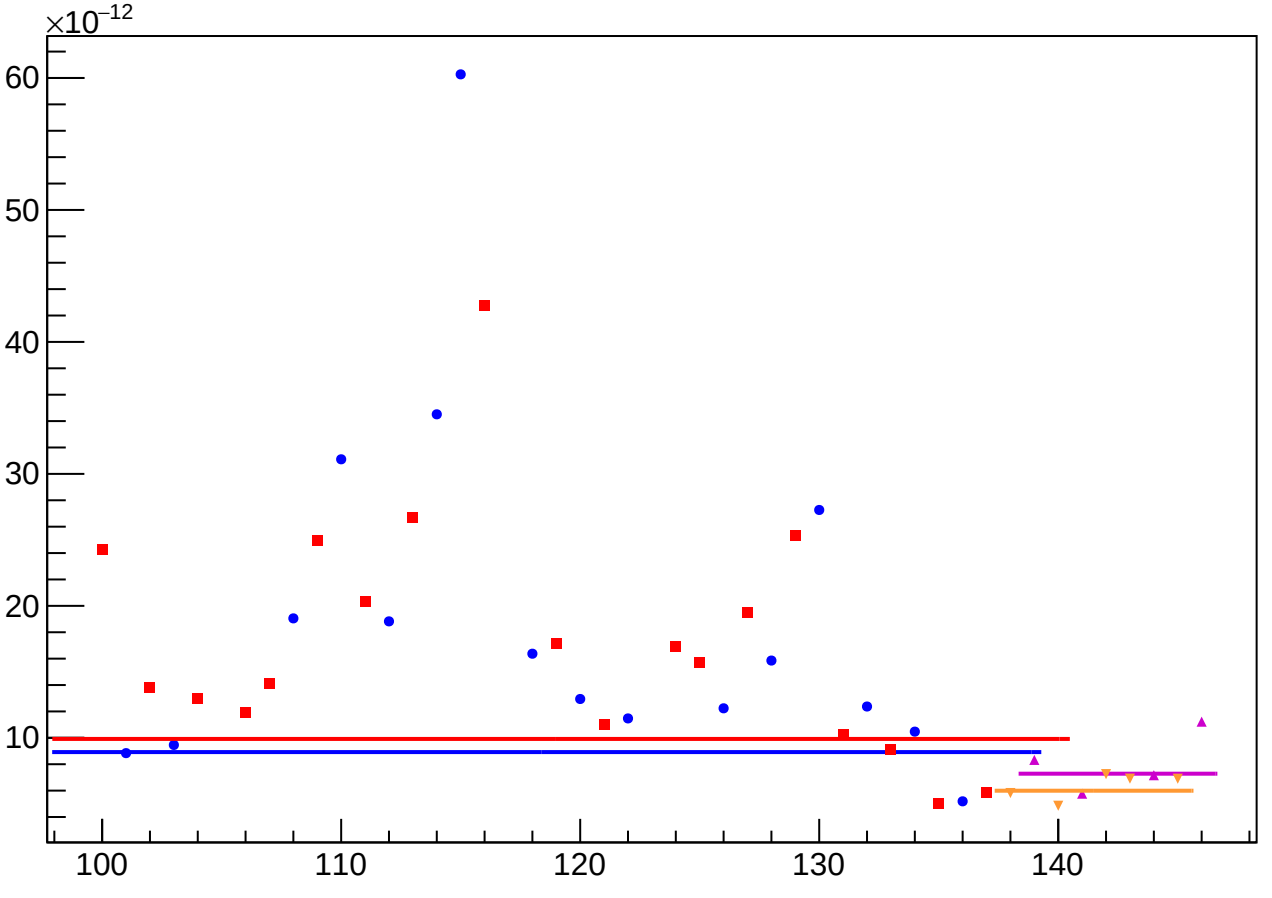
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:12.7/19

Out: 0.000+/-0.000 χ^2/NDF:20.9/23

All: 0.000+/-0.000 χ^2/NDF: 33.8/43

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:123351.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:265446.4/3

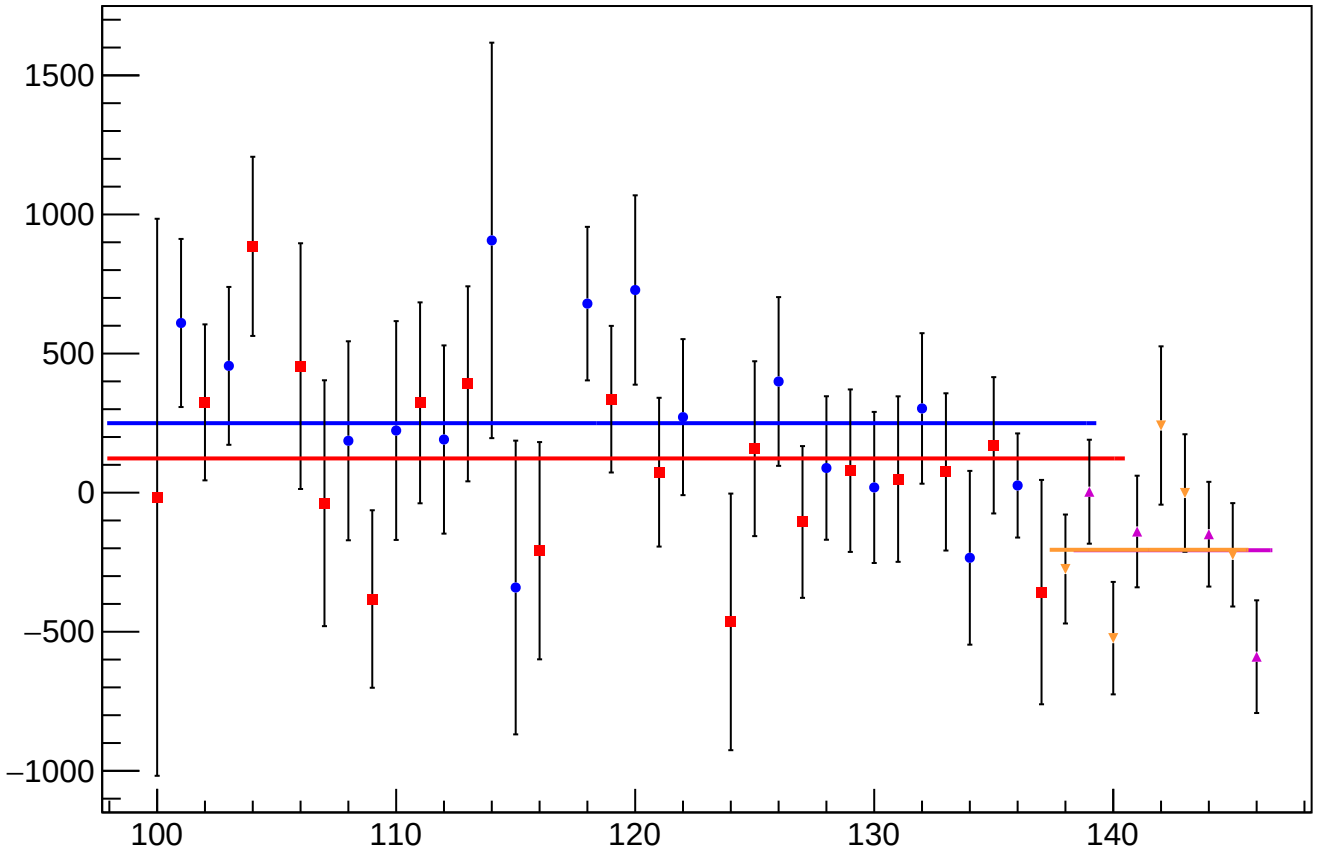
Left: 0.000+/-0.000 χ^2/NDF: 477119.7/8

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:2790967.7/19

Out: 0.000+/-0.000 χ^2/NDF:3574341.4/23

All: 0.000+/-0.000 χ^2/NDF: 6407826.2/43



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -205.398+/-93.544 χ^2/NDF:6.0/4

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -206.970+/-97.094 χ^2/NDF:5.0/3

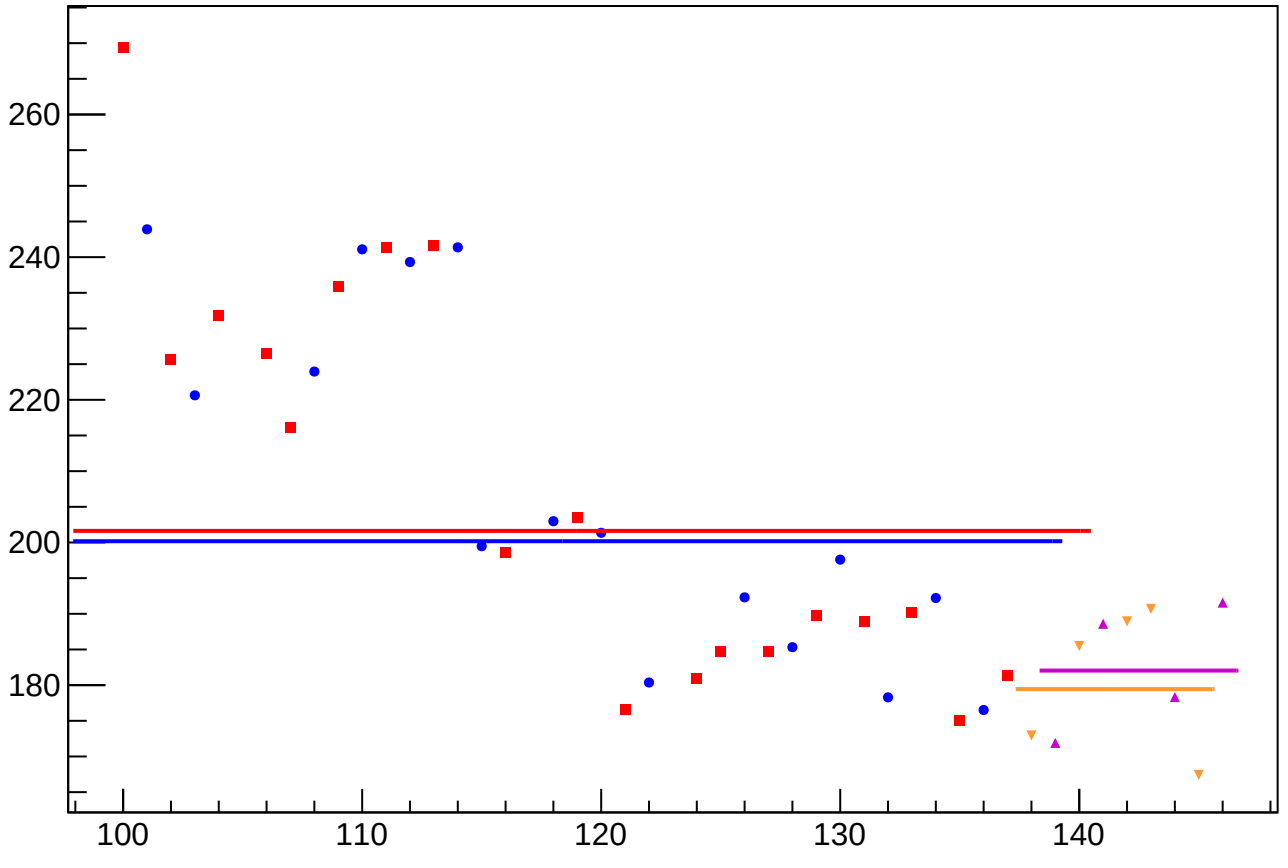
Left: -206.154+/-67.366 χ^2/NDF: 11.0/8

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: 79.432+/-59.294 χ^2/NDF:32.7/19

Out: -4.187+/-58.214 χ^2/NDF:29.1/23

All: 36.855+/-41.540 χ^2/NDF: 62.8/43



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 179.444+/-0.066 χ^2/NDF:20264.4/4

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

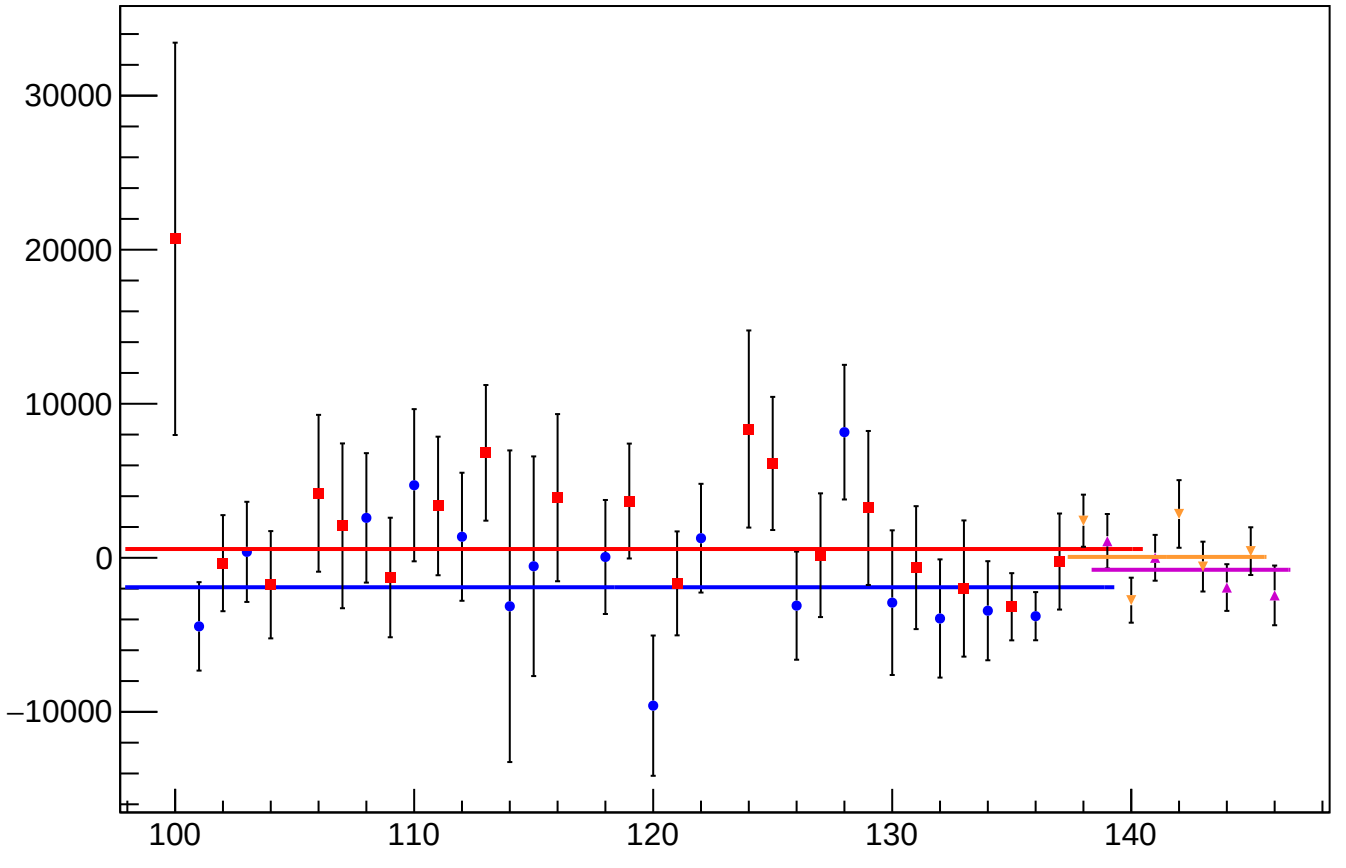
Left: 180.695+/-0.048 χ^2/NDF: 34244.1/8

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 193.415+/-0.042 χ^2/NDF:237978.3/19

Out: 193.036+/-0.041 χ^2/NDF:286426.7/23

All: 193.222+/-0.029 χ^2/NDF: 524446.6/43



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: 58.285+/-740.394 χ^2/NDF:7.5/4

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -776.676+/-823.631 χ^2/NDF:2.7/3

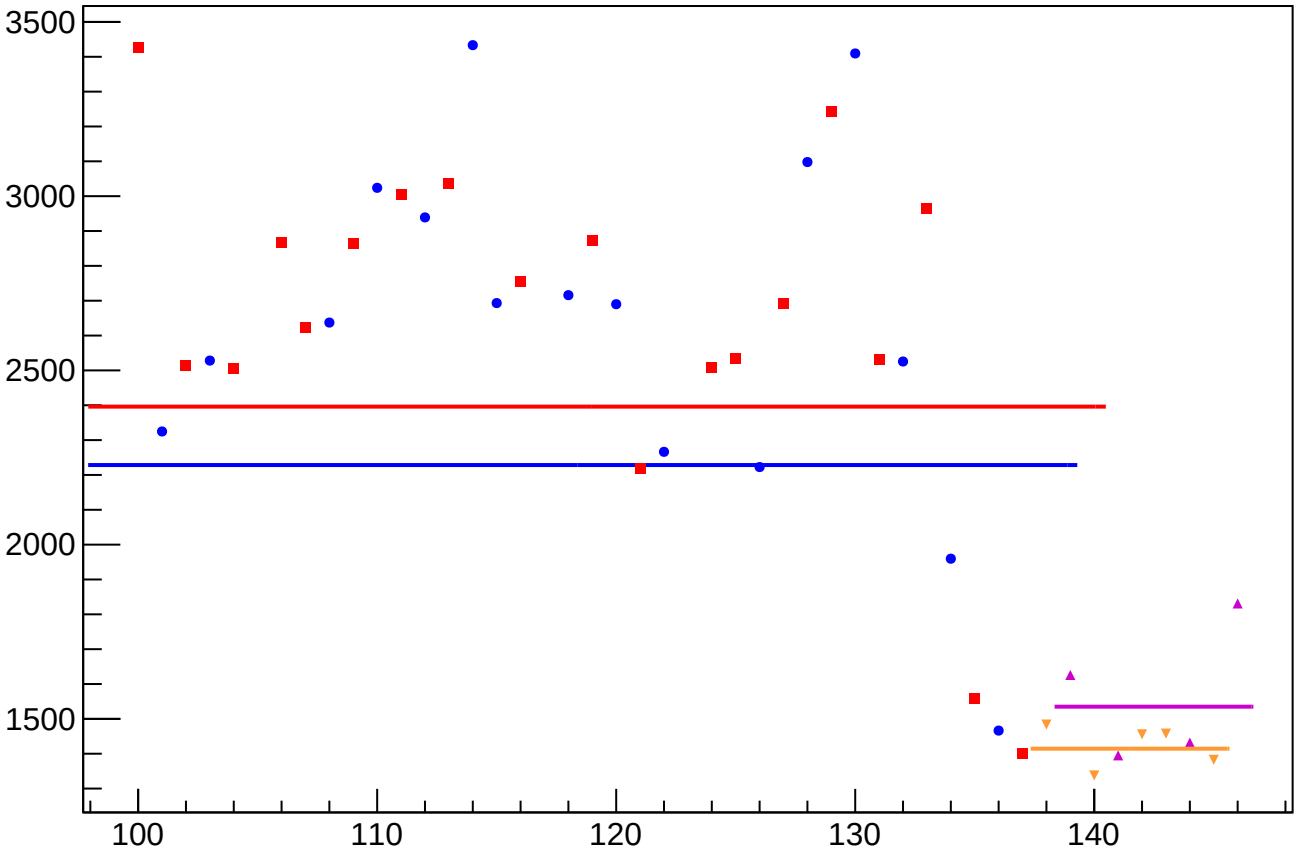
Left: -314.885+/-550.621 χ^2/NDF: 10.7/8

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -1319.635+/-594.535 χ^2/NDF:19.9/19

Out: 265.078+/-571.892 χ^2/NDF:22.3/23

All: -496.527+/-412.161 χ^2/NDF: 45.8/43



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1414.447+/-0.524 χ^2/NDF:11840.9/4

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1535.008+/-0.582 χ^2/NDF:78932.7/3

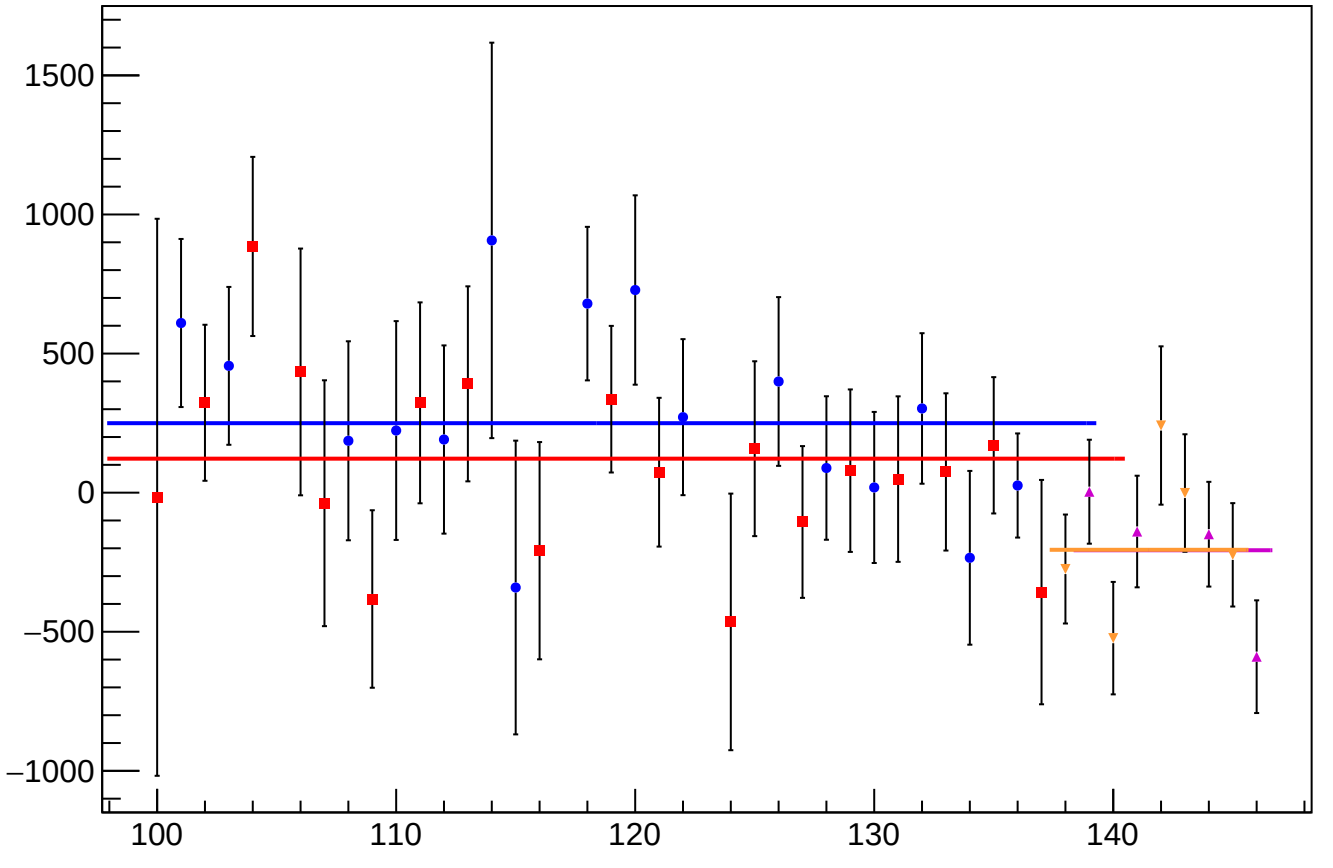
Left: 1468.329+/-0.389 χ^2/NDF: 114474.0/8

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1867.115+/-0.420 χ^2/NDF:1705543.4/19

Out: 1810.411+/-0.404 χ^2/NDF:2229394.3/23

All: 1837.663+/-0.291 χ^2/NDF: 3944387.0/43



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -205.401+/-93.544 χ^2/NDF:6.0/4

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -206.969+/-97.094 χ^2/NDF:5.0/3

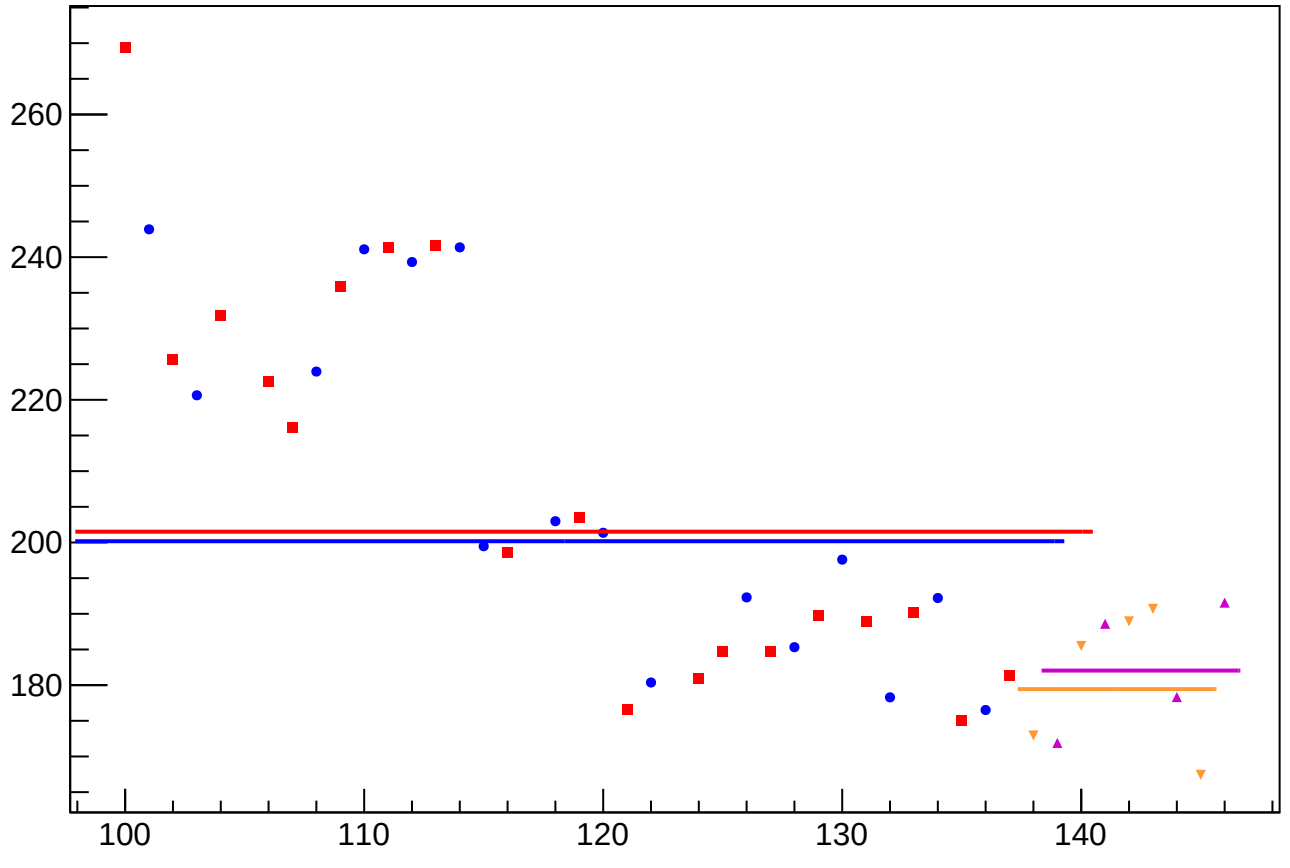
Left: -206.156+/-67.366 χ^2/NDF: 11.0/8

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 79.434+/-59.294 χ^2/NDF:32.7/19

Out: -4.689+/-58.219 χ^2/NDF:29.0/23

All: 36.603+/-41.542 χ^2/NDF: 62.7/43



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 179.444+/-0.066 χ^2/NDF:20264.4/4

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

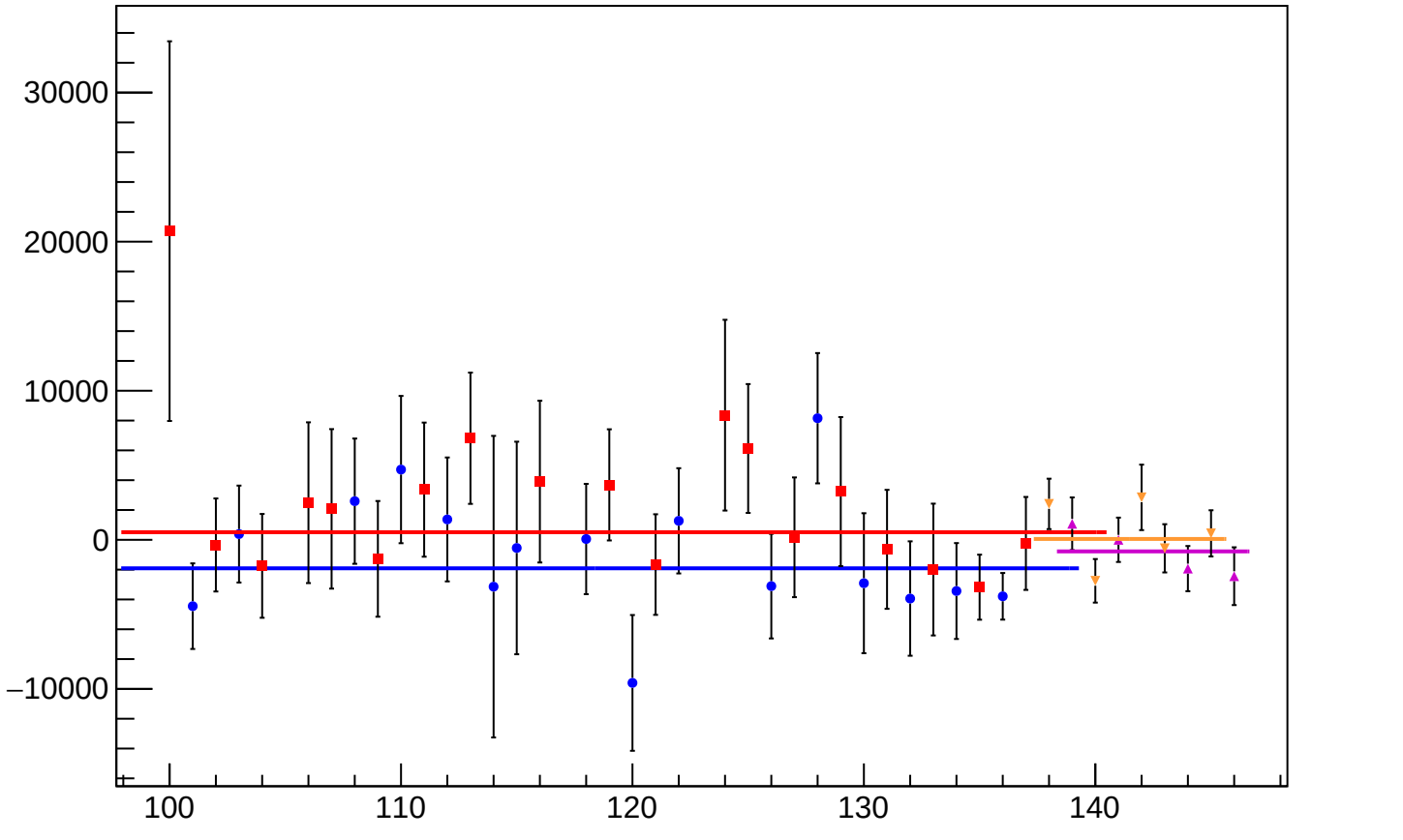
Left: 180.695+/-0.048 χ^2/NDF: 34244.1/8

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 193.415+/-0.042 χ^2/NDF:237978.7/19

Out: 192.965+/-0.041 χ^2/NDF:283906.0/23

All: 193.186+/-0.029 χ^2/NDF: 521943.1/43



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: 58.275+/-740.394 χ^2/NDF:7.5/4

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -776.653+/-823.631 χ^2/NDF:2.7/3

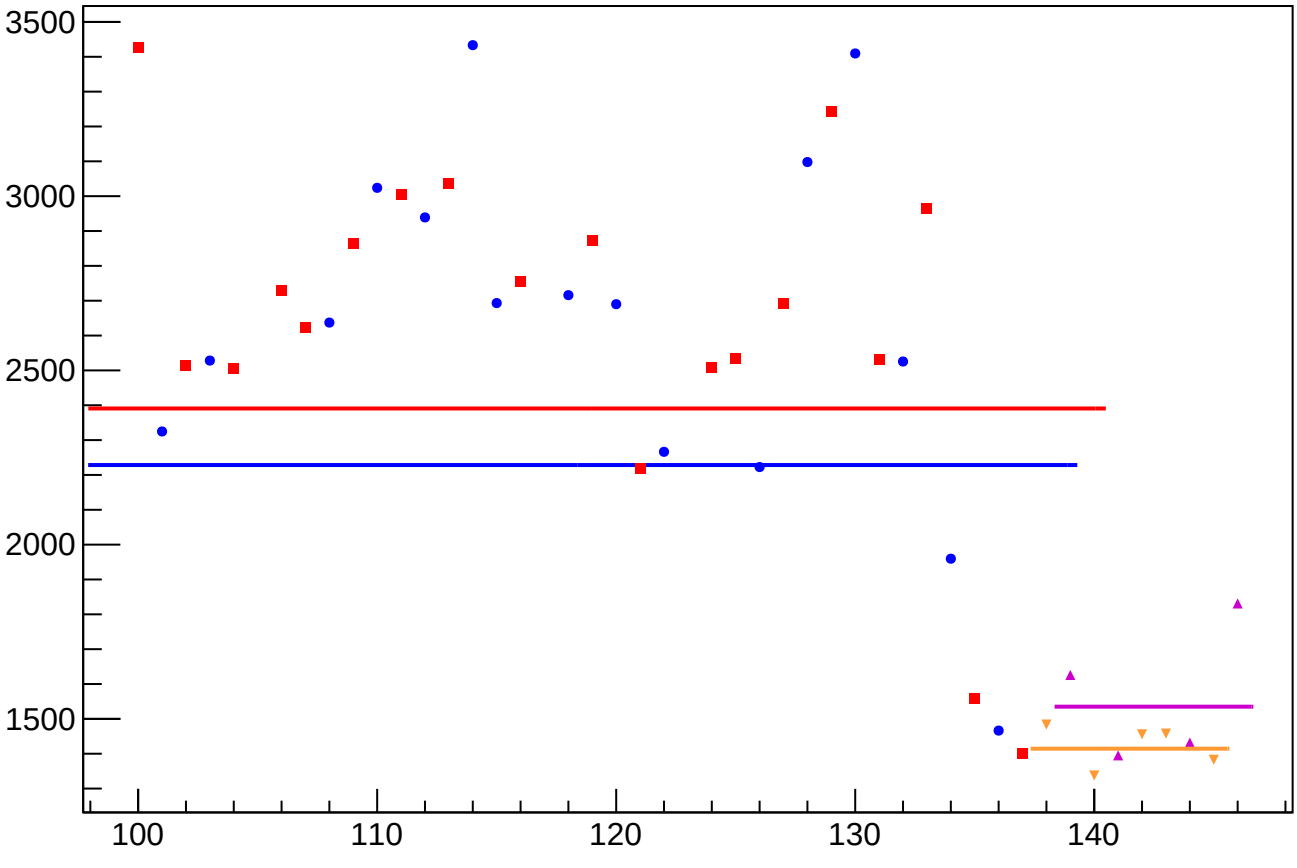
Left: -314.879+/-550.621 χ^2/NDF: 10.7/8

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1319.604+/-594.535 χ^2/NDF:19.9/19

Out: 240.626+/-572.292 χ^2/NDF:21.8/23

All: -509.756+/-412.311 χ^2/NDF: 45.3/43



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1414.447+/-0.524 χ^2/NDF:11841.3/4

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1535.008+/-0.582 χ^2/NDF:78933.2/3

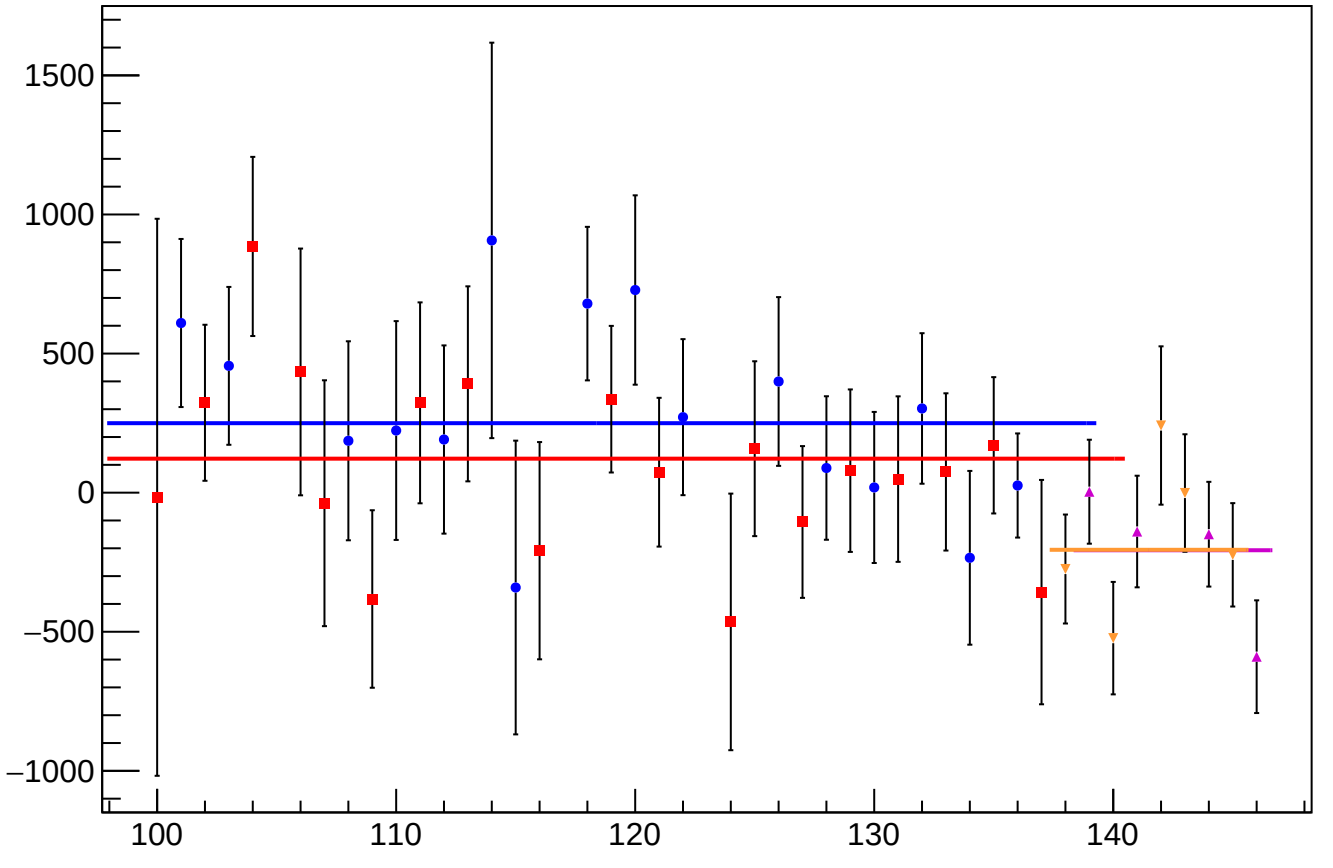
Left: 1468.329+/-0.389 χ^2/NDF: 114475.0/8

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1867.116+/-0.420 χ^2/NDF:1705554.0/19

Out: 1807.439+/-0.405 χ^2/NDF:2201643.5/23

All: 1836.140+/-0.292 χ^2/NDF: 3917656.7/43



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -205.401+/-93.544 χ^2/NDF:6.0/4

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -206.969+/-97.094 χ^2/NDF:5.0/3

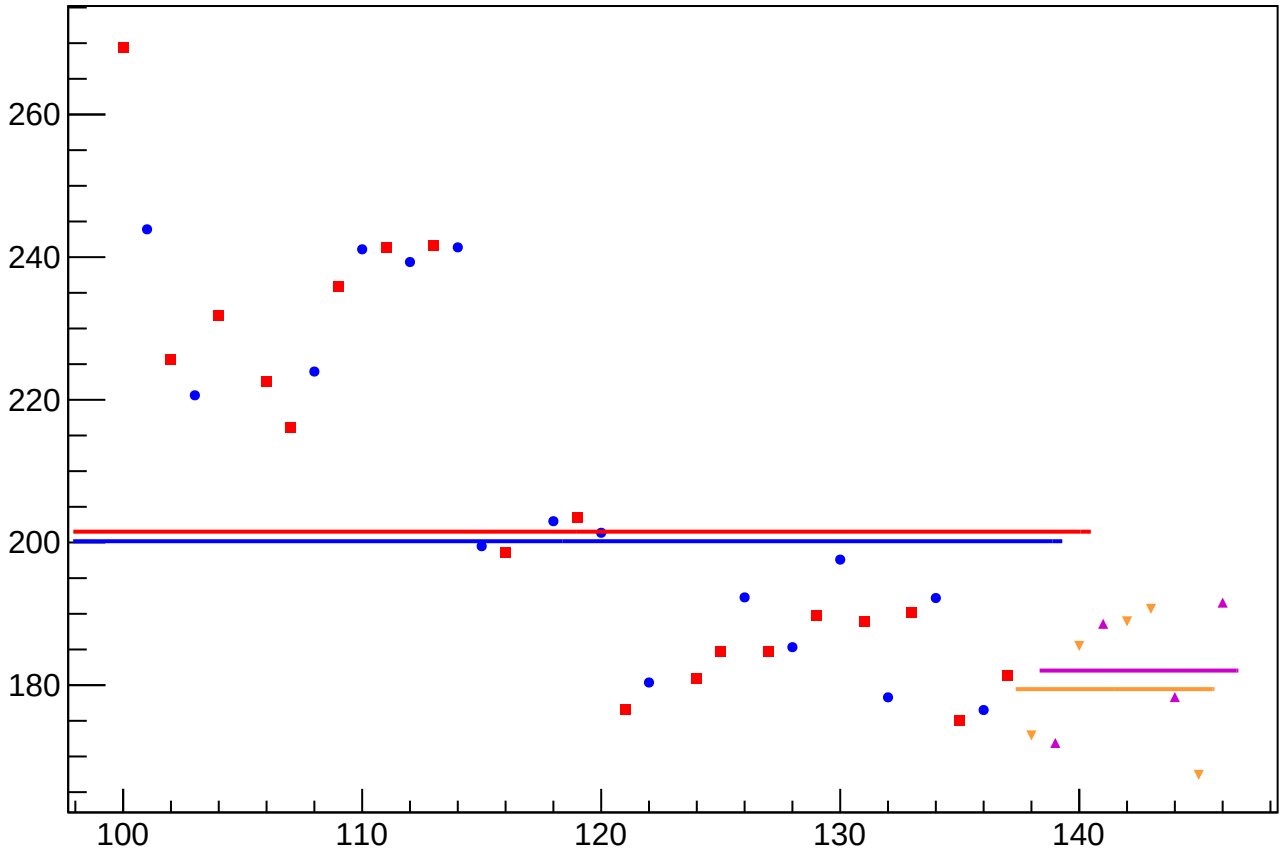
Left: -206.156+/-67.366 χ^2/NDF: 11.0/8

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 79.434+/-59.294 χ^2/NDF:32.7/19

Out: -4.689+/-58.219 χ^2/NDF:29.0/23

All: 36.603+/-41.542 χ^2/NDF: 62.7/43



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 179.444+/-0.066 χ^2/NDF:20264.4/4

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

Left: 180.695+/-0.048 χ^2/NDF: 34244.1/8

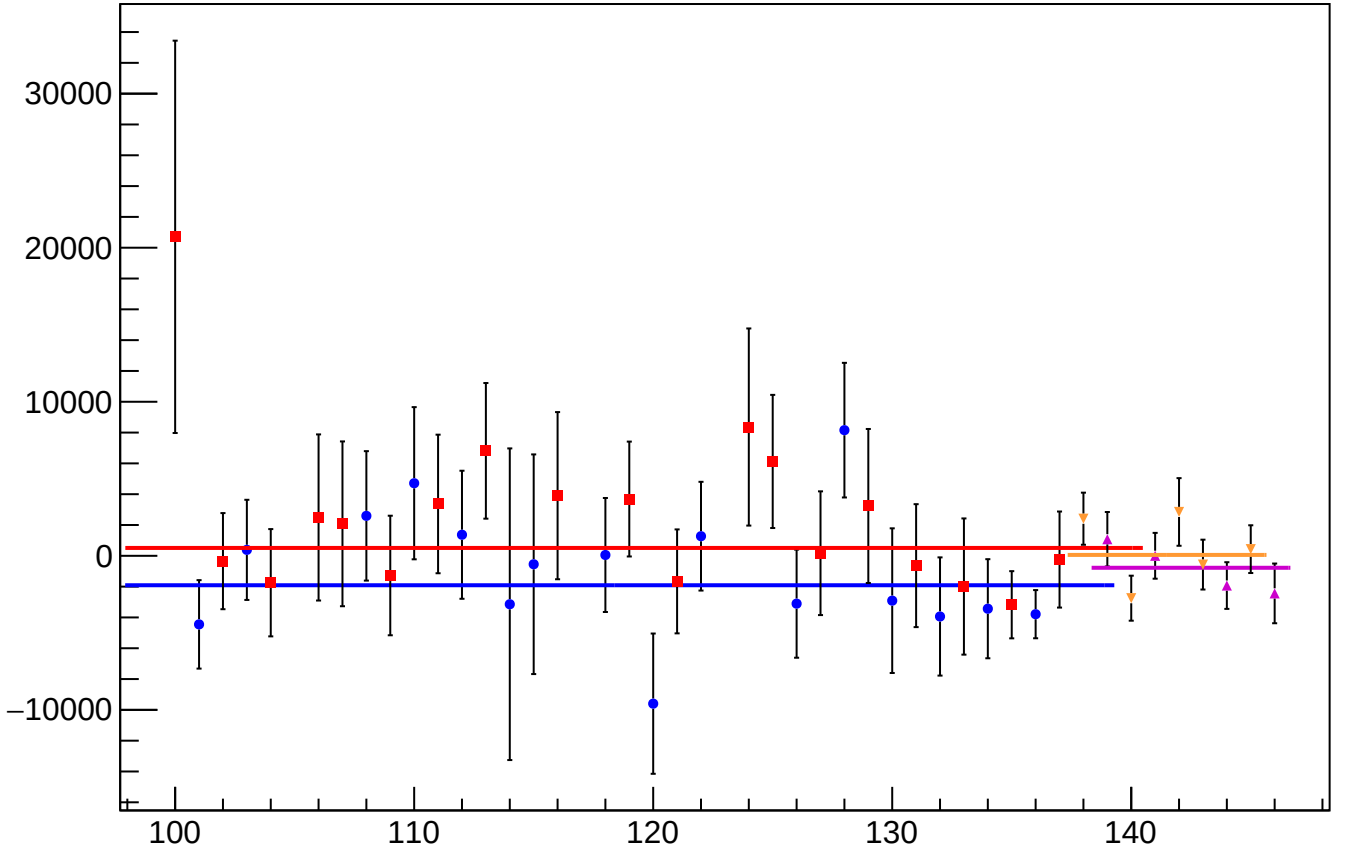
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 193.415+/-0.042 χ^2/NDF:237978.7/19

Out: 192.965+/-0.041 χ^2/NDF:283906.0/23

All: 193.186+/-0.029 χ^2/NDF: 521943.1/43

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: 58.275+/-740.394 χ^2/NDF:7.5/4

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -776.653+/-823.631 χ^2/NDF:2.7/3

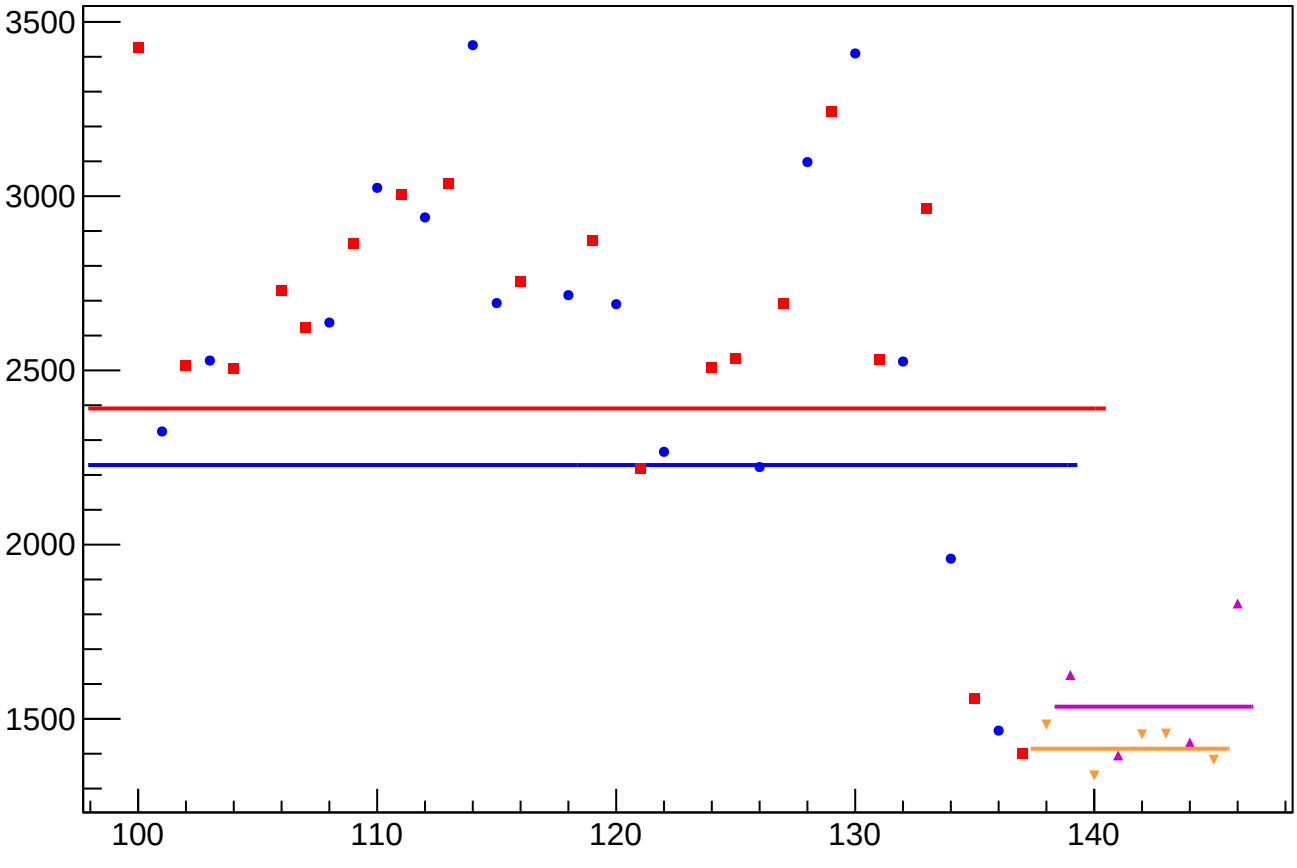
Left: -314.879+/-550.621 χ^2/NDF: 10.7/8

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1319.604+/-594.535 χ^2/NDF:19.9/19

Out: 240.626+/-572.292 χ^2/NDF:21.8/23

All: -509.756+/-412.311 χ^2/NDF: 45.3/43



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1414.447+/-0.524 χ^2/NDF:11841.3/4

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1535.008+/-0.582 χ^2/NDF:78933.2/3

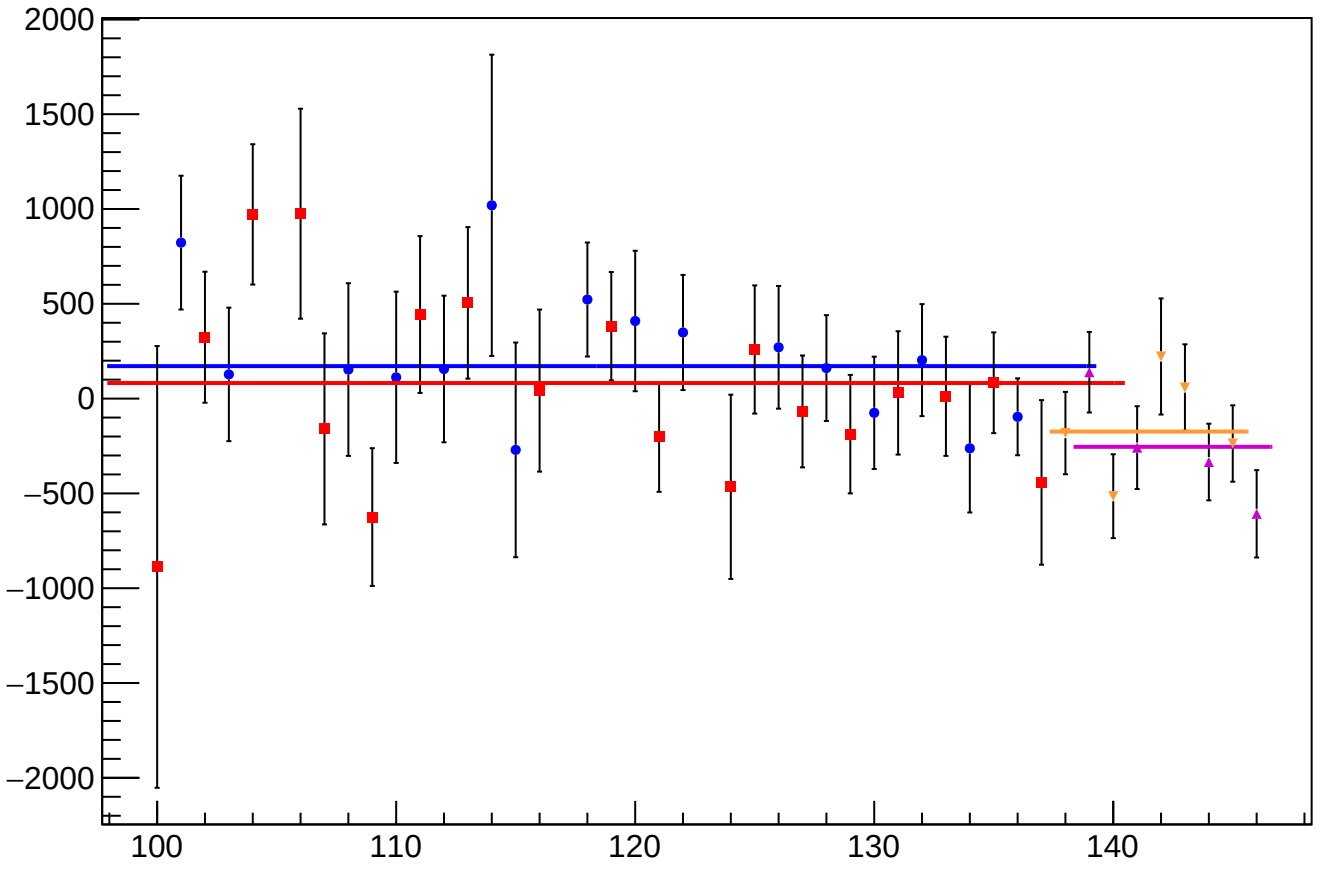
Left: 1468.329+/-0.389 χ^2/NDF: 114475.0/8

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1867.116+/-0.420 χ^2/NDF:1705554.0/19

Out: 1807.439+/-0.405 χ^2/NDF:2201643.5/23

All: 1836.140+/-0.292 χ^2/NDF: 3917656.7/43



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -173.931+/-101.971 χ^2/NDF:5.2/4

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -254.234+/-107.573 χ^2/NDF:5.9/3

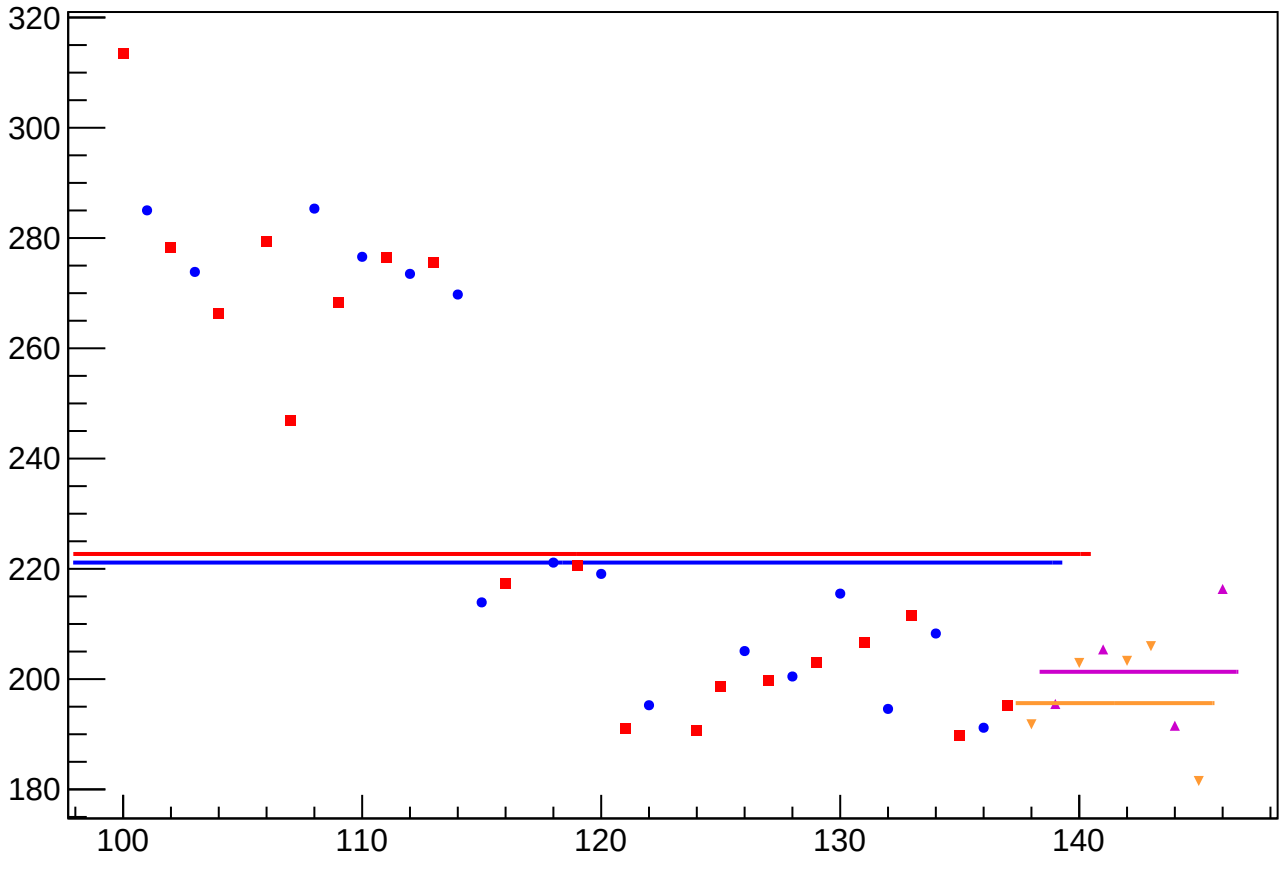
Left: -211.937+/-74.005 χ^2/NDF: 11.4/8

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 12.201+/-65.771 χ^2/NDF:27.2/19

Out: -19.225+/-64.159 χ^2/NDF:30.6/23

All: -3.902+/-45.926 χ^2/NDF: 57.9/43



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 195.645+/-0.072 χ^2/NDF:17981.4/4

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 201.327+/-0.076 χ^2/NDF:15394.4/3

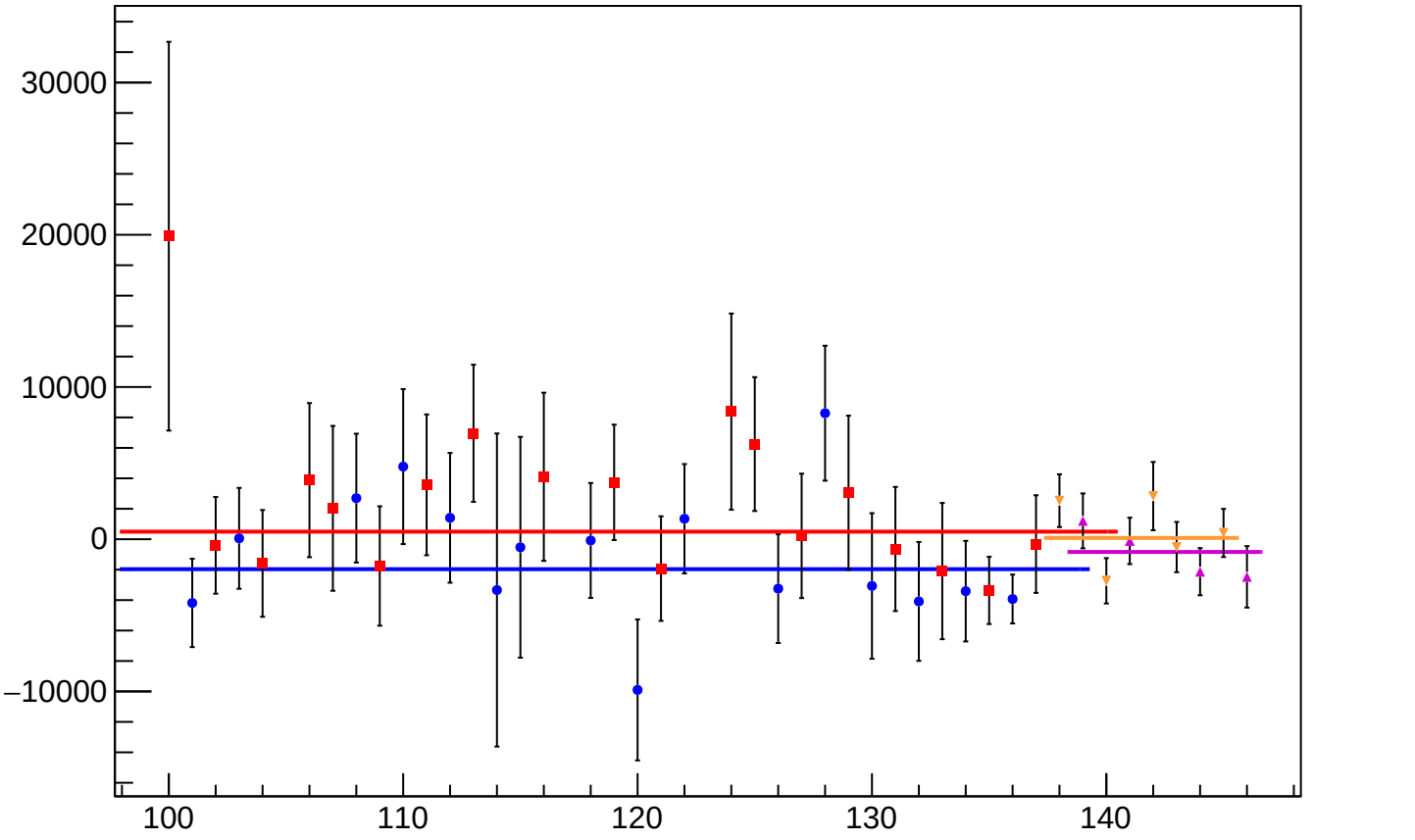
Left: 198.334+/-0.052 χ^2/NDF: 36315.1/8

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 213.733+/-0.047 χ^2/NDF:376576.0/19

Out: 211.988+/-0.045 χ^2/NDF:430053.1/23

All: 212.839+/-0.032 χ^2/NDF: 807350.6/43



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: 84.236+/-756.092 χ^2/NDF:7.2/4

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: -836.592+/-845.089 χ^2/NDF:2.9/3

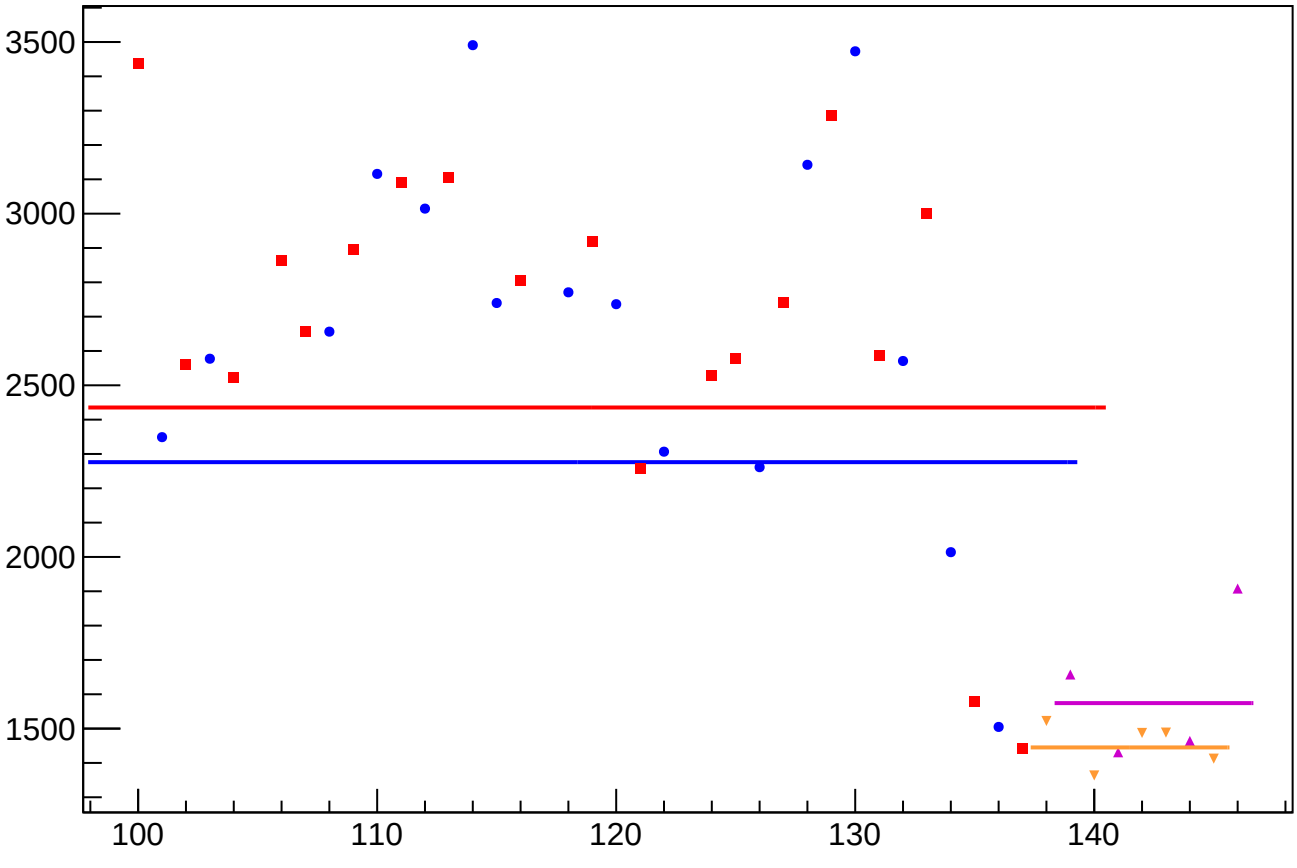
Left: -325.154+/-563.485 χ^2/NDF: 10.8/8

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -1381.307+/-608.407 χ^2/NDF:19.9/19

Out: 251.886+/-582.786 χ^2/NDF:22.1/23

All: -529.600+/-420.858 χ^2/NDF: 45.8/43



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1445.136+/-0.535 χ^2/NDF:12890.2/4

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1574.256+/-0.598 χ^2/NDF:86675.6/3

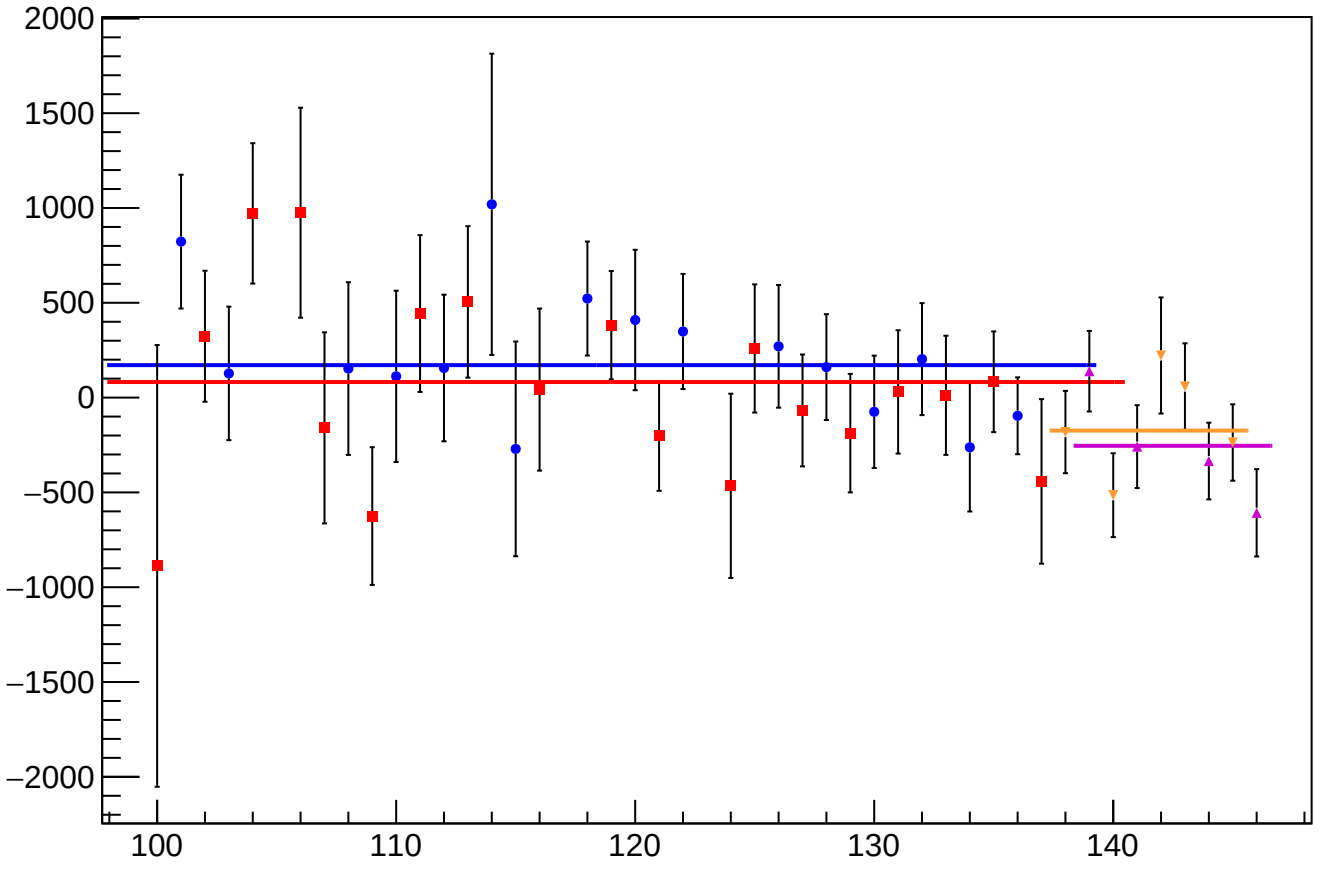
Left: 1502.541+/-0.398 χ^2/NDF: 125497.2/8

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1912.350+/-0.430 χ^2/NDF:1678203.1/19

Out: 1847.053+/-0.412 χ^2/NDF:2196754.0/23

All: 1878.297+/-0.298 χ^2/NDF: 3886970.8/43



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -173.938+/-101.971 χ^2/NDF:5.2/4

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -254.234+/-107.572 χ^2/NDF:5.9/3

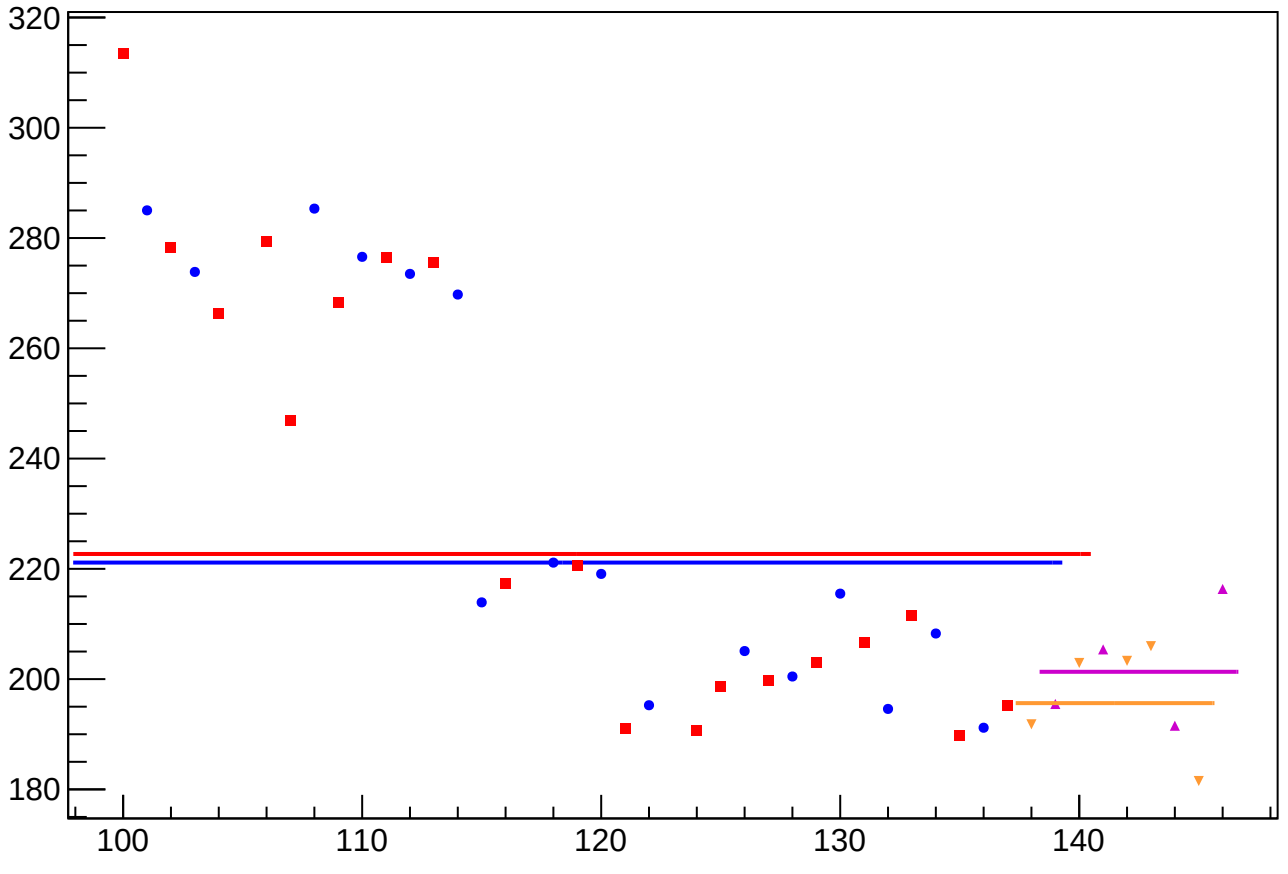
Left: -211.941+/-74.005 χ^2/NDF: 11.4/8

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 12.203+/-65.771 χ^2/NDF:27.2/19

Out: -19.229+/-64.158 χ^2/NDF:30.6/23

All: -3.903+/-45.926 χ^2/NDF: 57.9/43



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 195.644+/-0.072 χ^2/NDF:17982.5/4

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 201.327+/-0.076 χ^2/NDF:15394.3/3

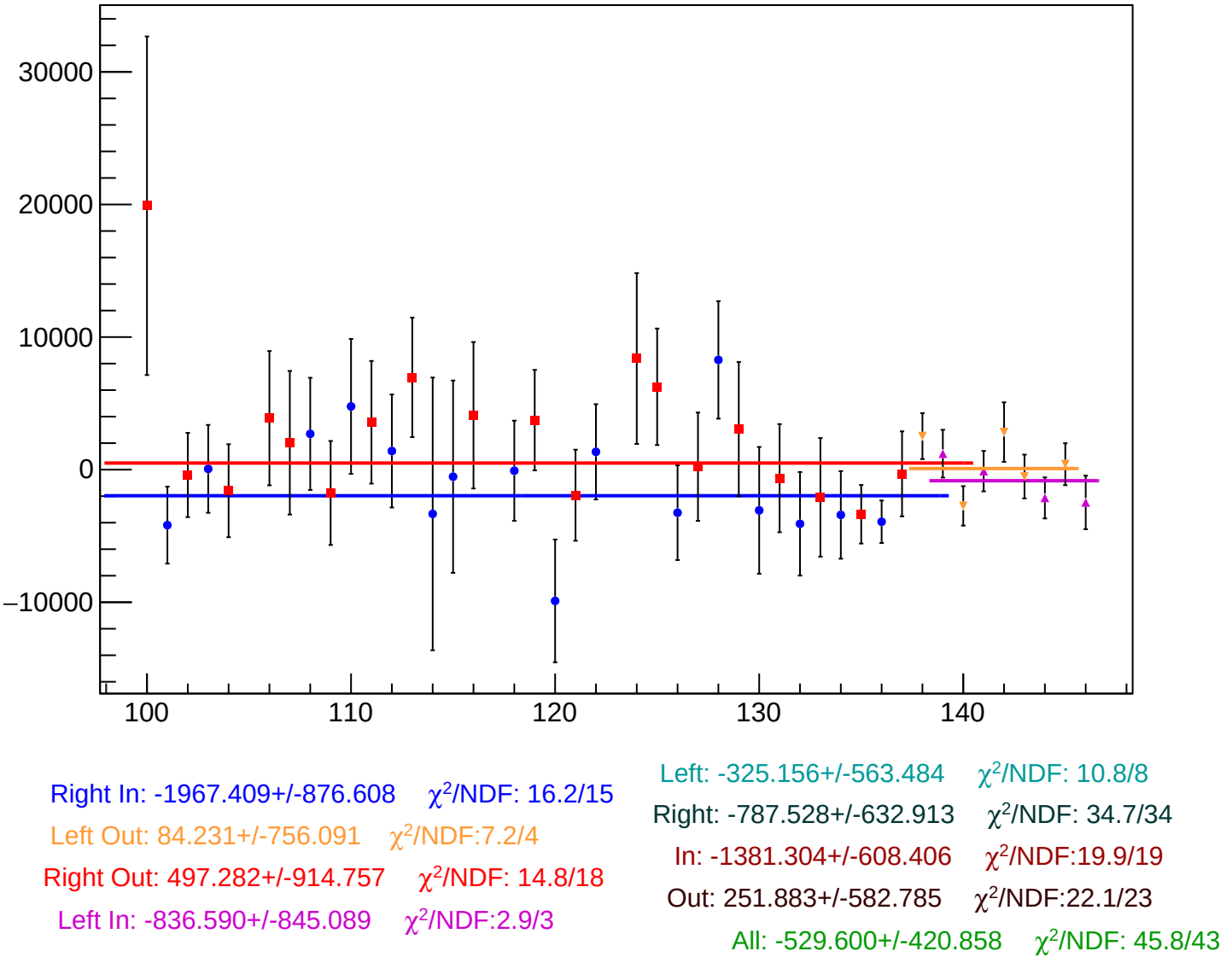
Left: 198.334+/-0.052 χ^2/NDF: 36316.1/8

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

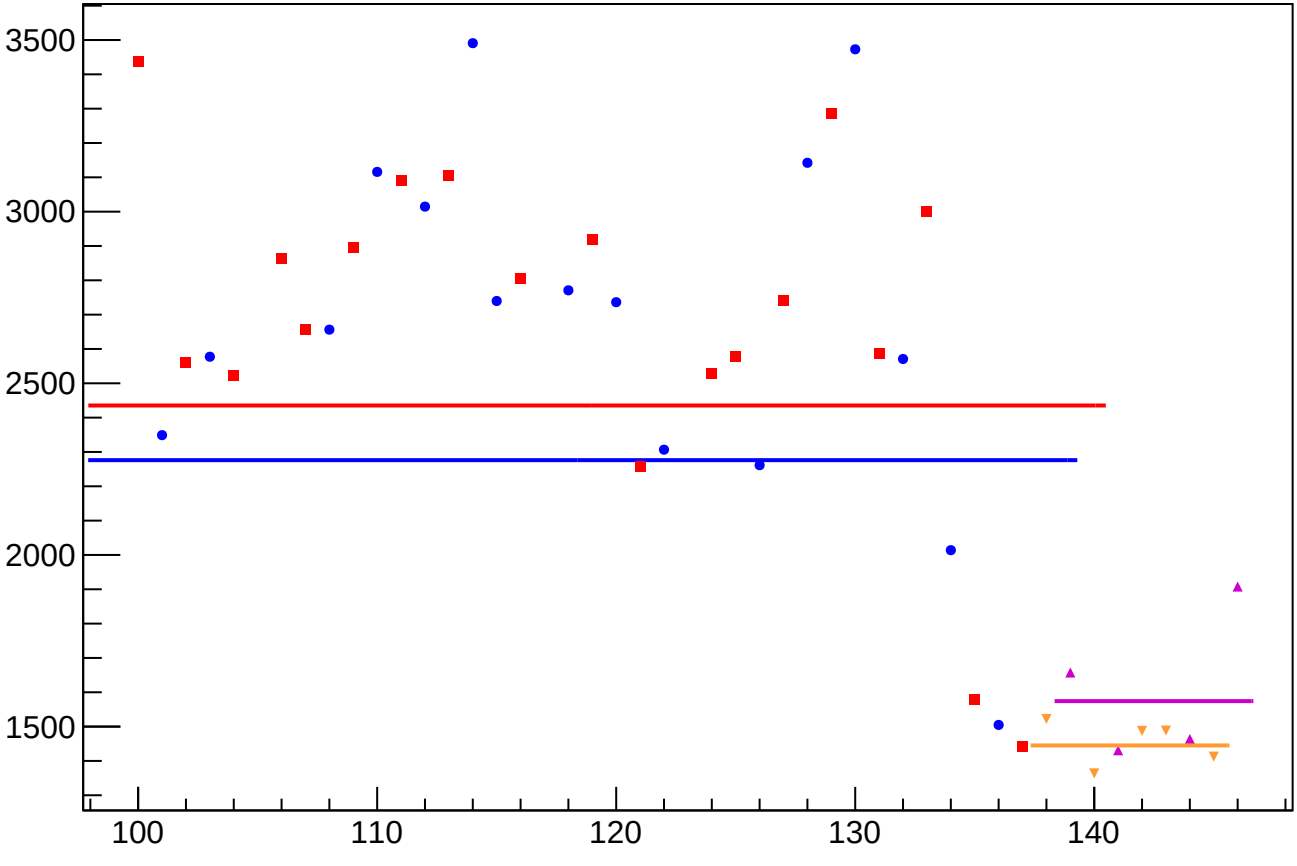
In: 213.732+/-0.047 χ^2/NDF:376567.4/19

Out: 211.987+/-0.045 χ^2/NDF:430044.1/23

All: 212.838+/-0.032 χ^2/NDF: 807332.8/43


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: 84.231+/-756.091 χ²/NDF:7.2/4
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: -836.590+/-845.089 χ²/NDF:2.9/3
Left: -325.156+/-563.484 χ²/NDF: 10.8/8
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -1381.304+/-608.406 χ²/NDF:19.9/19
Out: 251.883+/-582.785 χ²/NDF:22.1/23
All: -529.600+/-420.858 χ²/NDF: 45.8/43

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1445.134+/-0.535 χ^2/NDF:12890.3/4

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1574.254+/-0.598 χ^2/NDF:86675.1/3

Left: 1502.540+/-0.398 χ^2/NDF: 125496.9/8

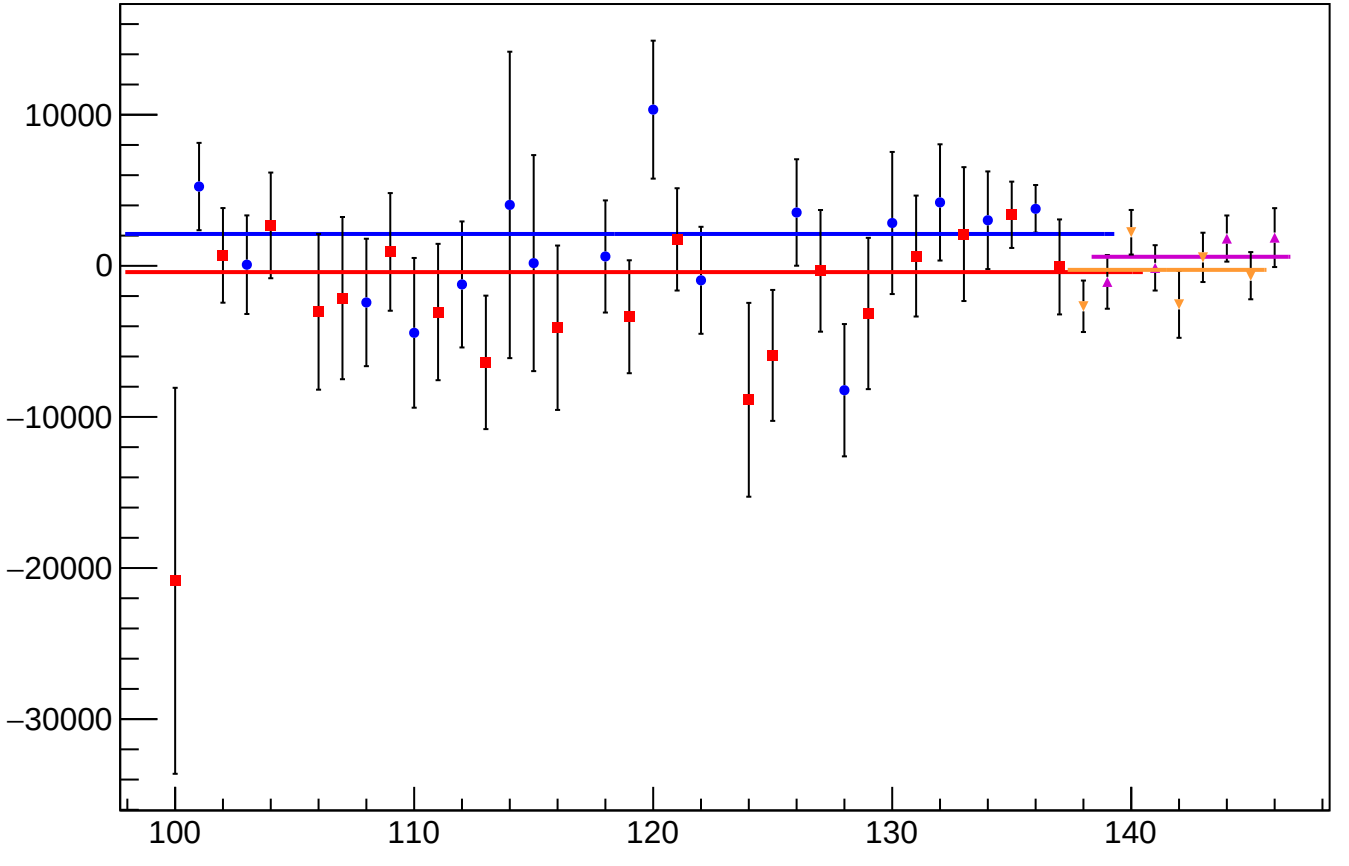
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1912.348+/-0.430 χ^2/NDF:1678191.4/19

Out: 1847.051+/-0.412 χ^2/NDF:2196746.4/23

All: 1878.295+/-0.298 χ^2/NDF: 3886951.8/43

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: -266.800+/-746.574 χ^2/NDF:6.2/4

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 599.275+/-829.732 χ^2/NDF:2.2/3

Left: 120.675+/-554.985 χ^2/NDF: 9.0/8

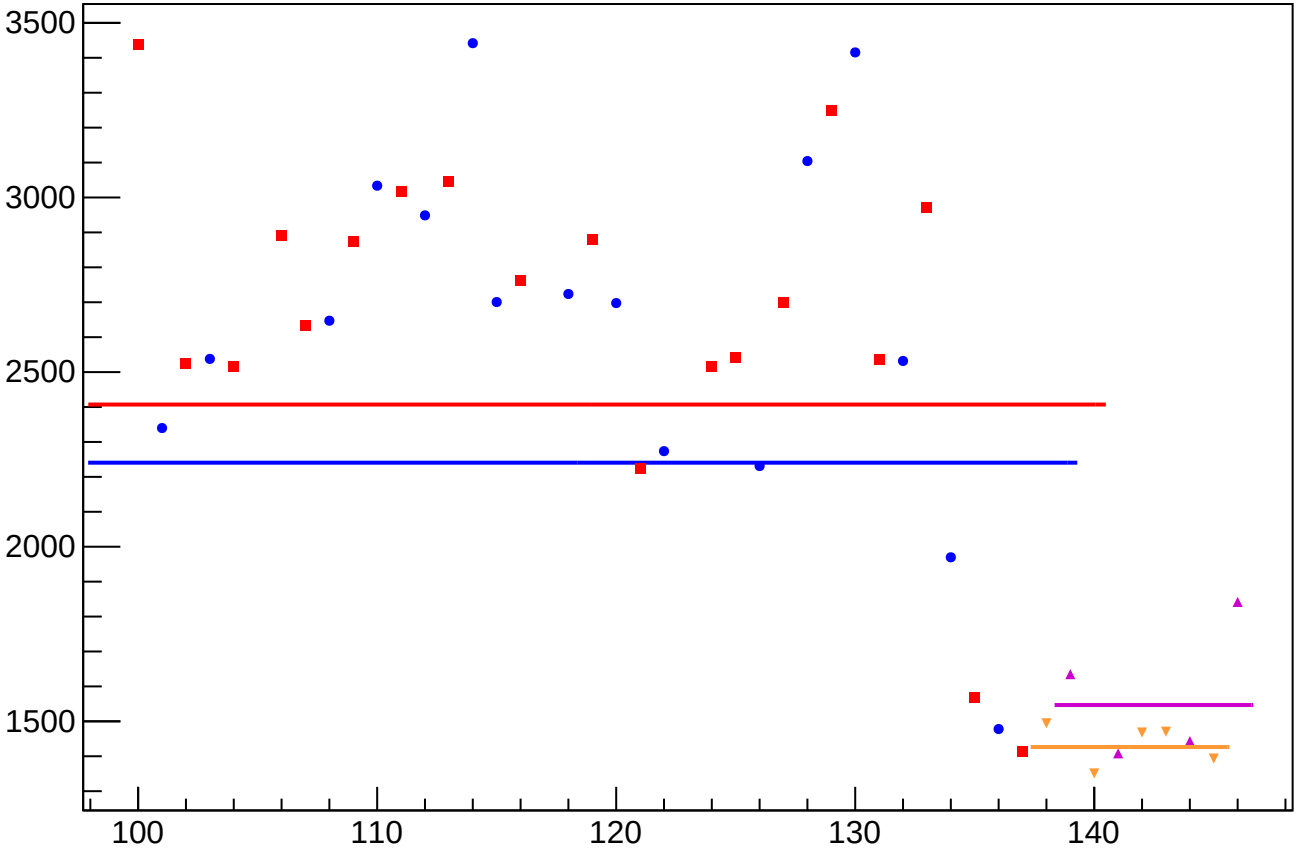
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 1324.481+/-598.221 χ^2/NDF:20.4/19

Out: -326.493+/-575.752 χ^2/NDF:20.9/23

All: 467.407+/-414.834 χ^2/NDF: 45.2/43

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1426.472+/-0.528 χ^2/NDF:11485.0/4

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1546.686+/-0.587 χ^2/NDF:77005.2/3

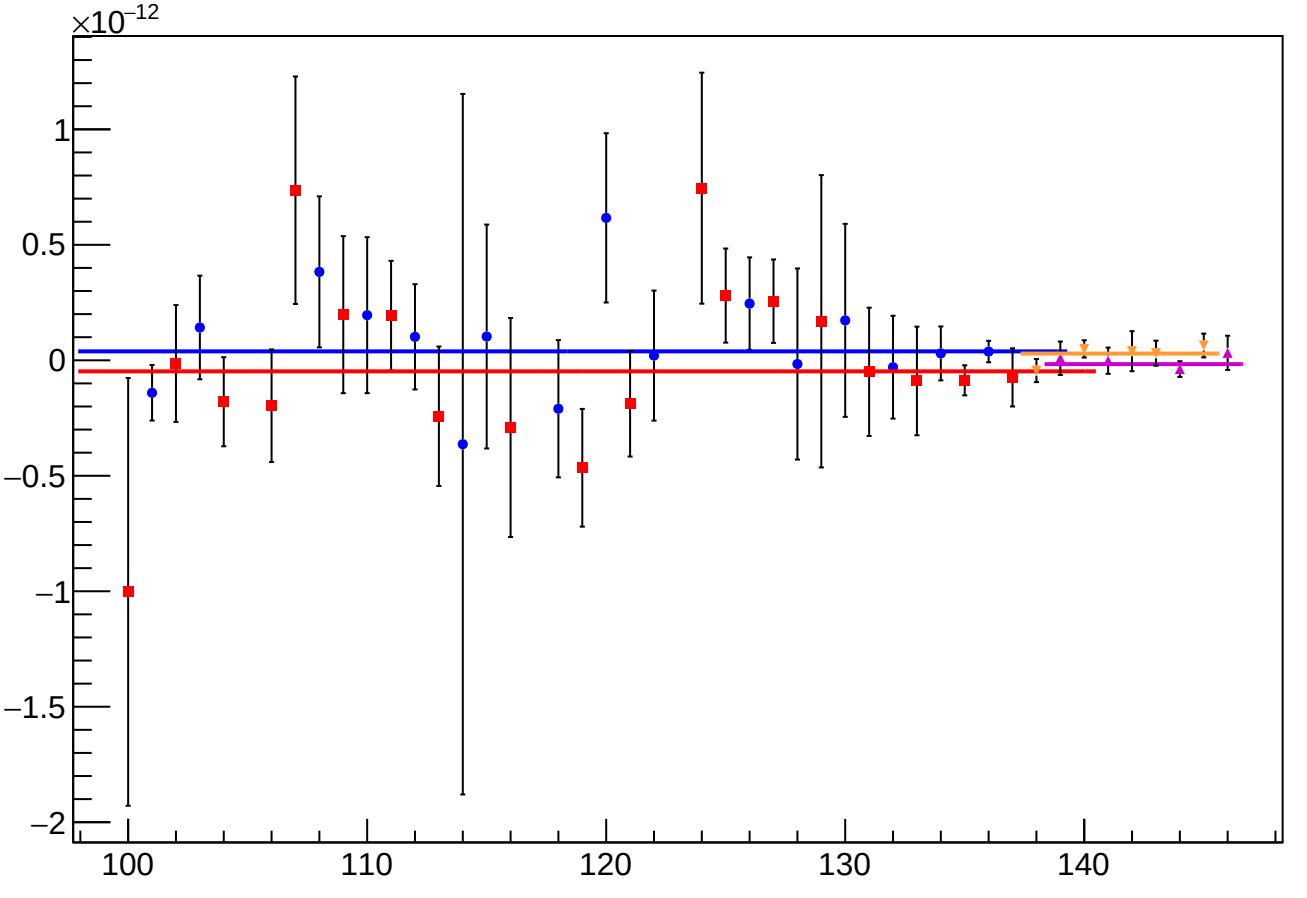
Left: 1480.255+/-0.392 χ^2/NDF: 111690.1/8

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1879.906+/-0.423 χ^2/NDF:1682345.4/19

Out: 1823.894+/-0.407 χ^2/NDF:2198924.0/23

All: 1850.828+/-0.293 χ^2/NDF: 3890371.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

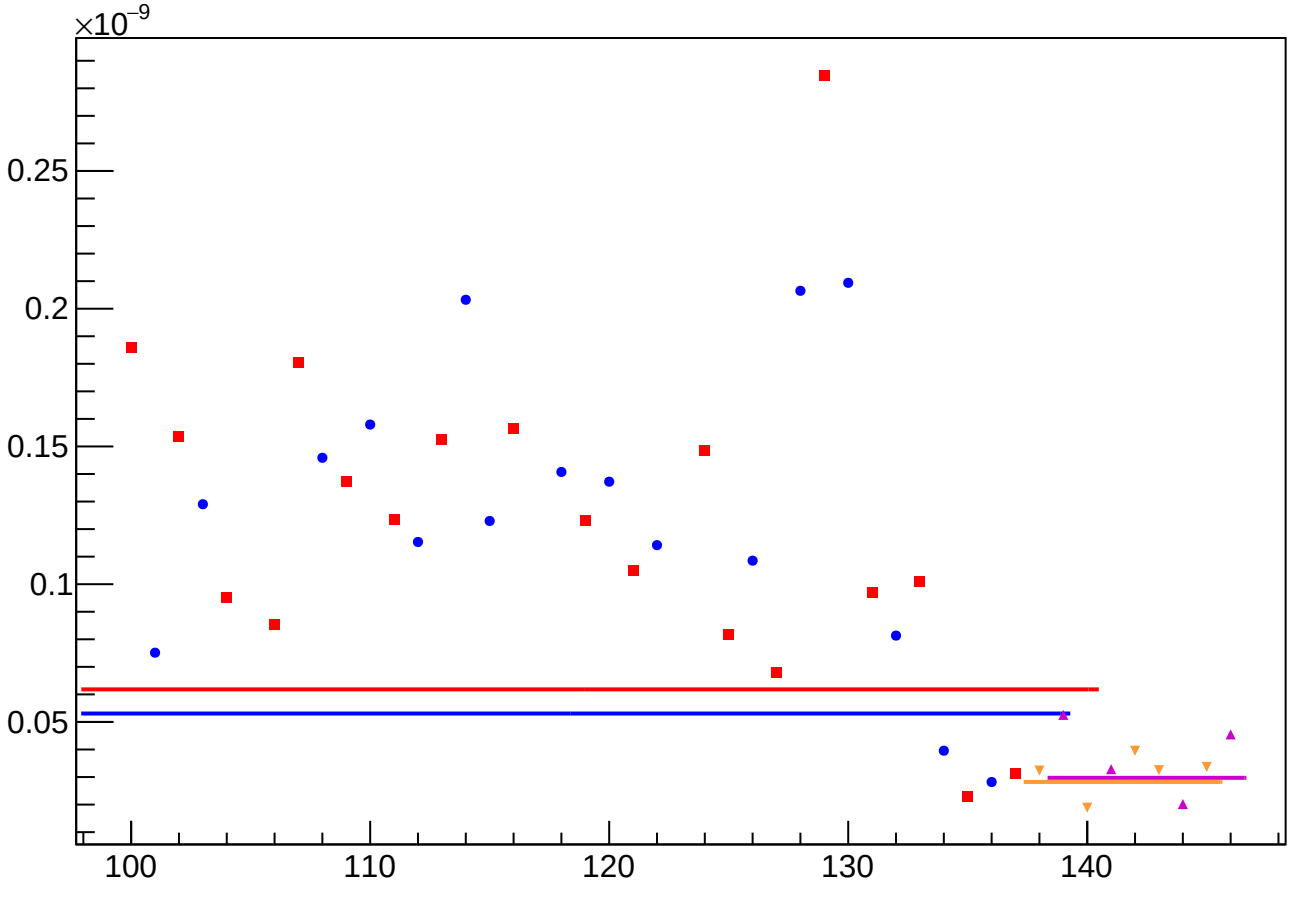
Left: 0.000+/-0.000 χ^2/NDF: 5.8/8

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:11.0/19

Out: 0.000+/-0.000 χ^2/NDF:23.7/23

All: 0.000+/-0.000 χ^2/NDF: 34.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:207645.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:452566.5/3

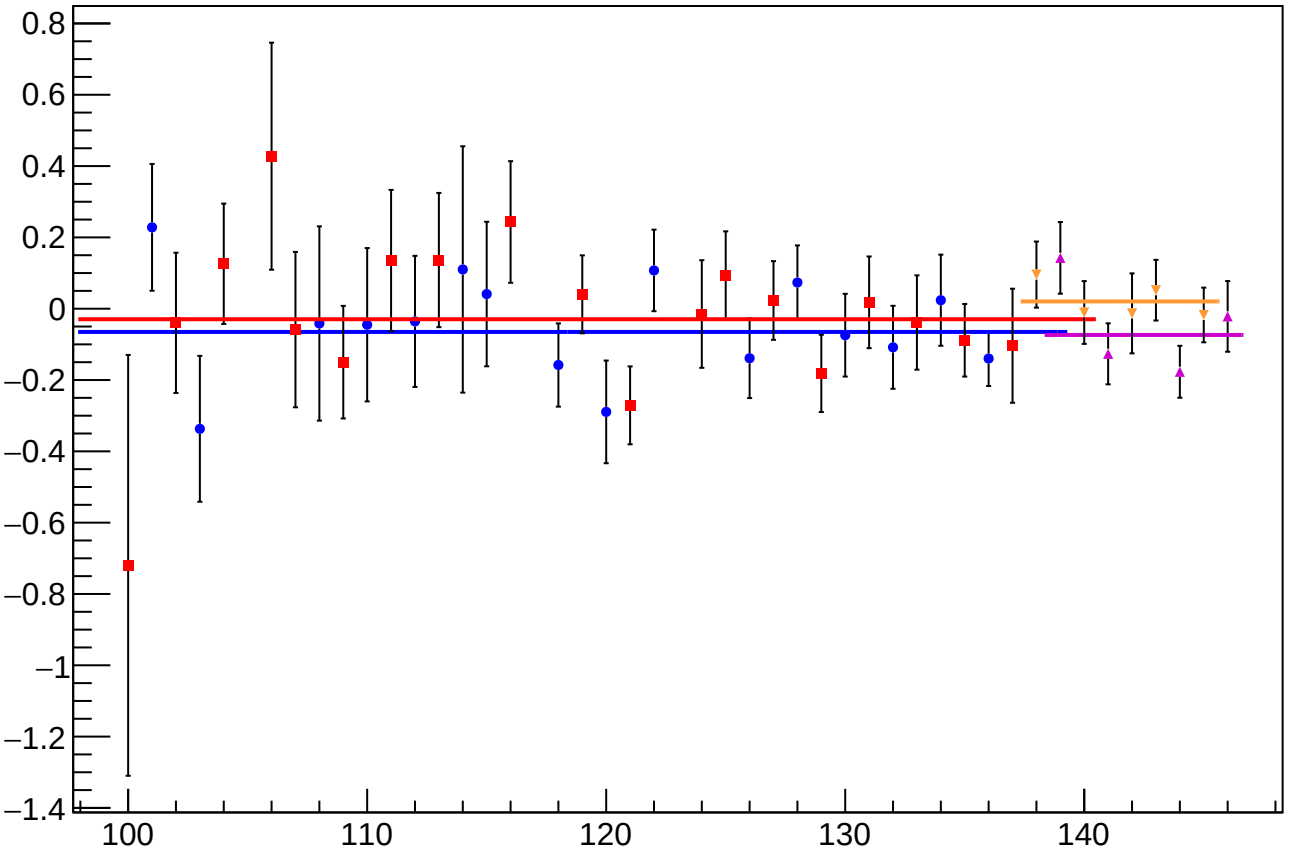
Left: 0.000+/-0.000 χ^2/NDF: 664062.5/8

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:3582506.1/19

Out: 0.000+/-0.000 χ^2/NDF:3568979.3/23

All: 0.000+/-0.000 χ^2/NDF: 7161002.0/43



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.040 χ^2/NDF:1.3/4

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.074+/-0.044 χ^2/NDF:7.3/3

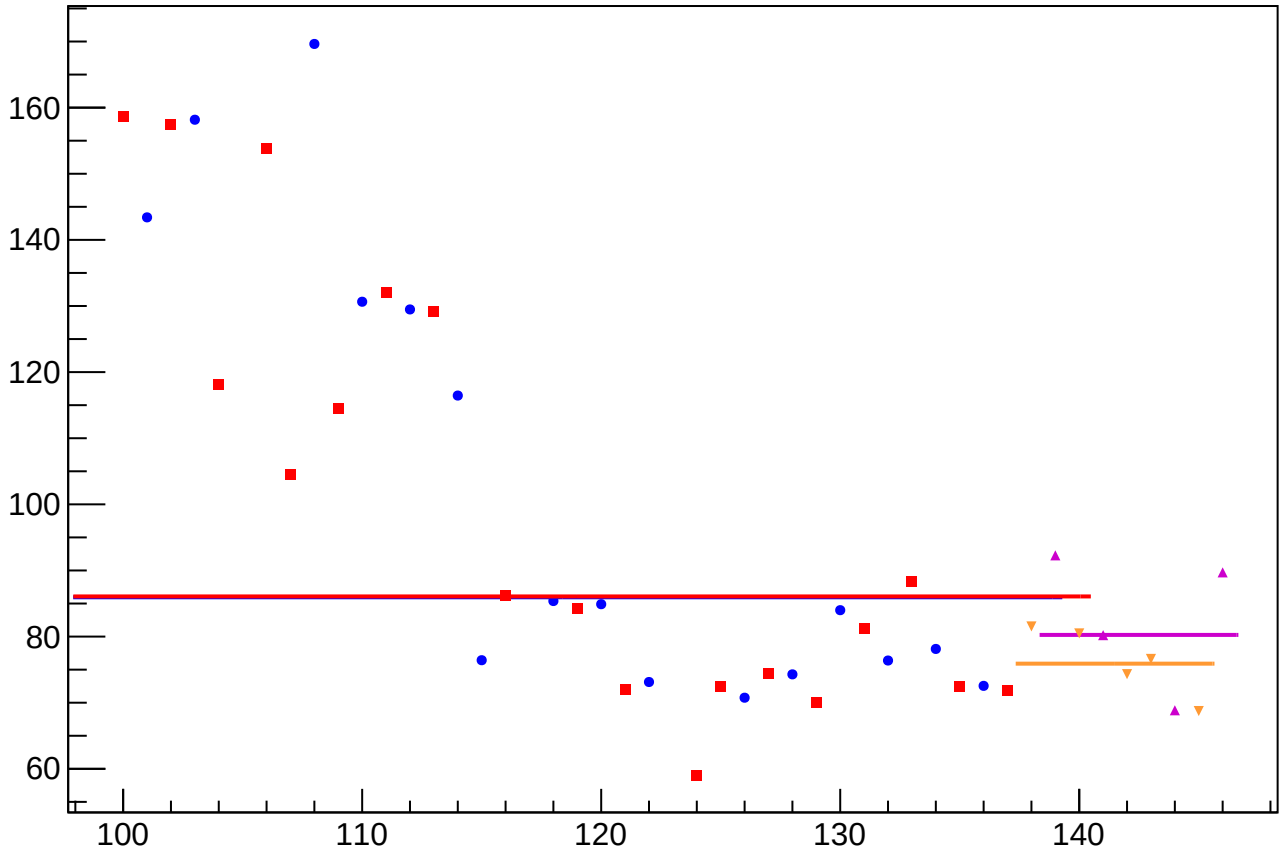
Left: -0.022+/-0.029 χ^2/NDF: 11.1/8

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.068+/-0.026 χ^2/NDF:21.5/19

Out: -0.009+/-0.025 χ^2/NDF:20.3/23

All: -0.037+/-0.018 χ^2/NDF: 44.4/43



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 75.906+/-0.028 χ^2/NDF:30801.1/4

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.253+/-0.031 χ^2/NDF:95900.6/3

Left: 77.878+/-0.021 χ^2/NDF: 137562.7/8

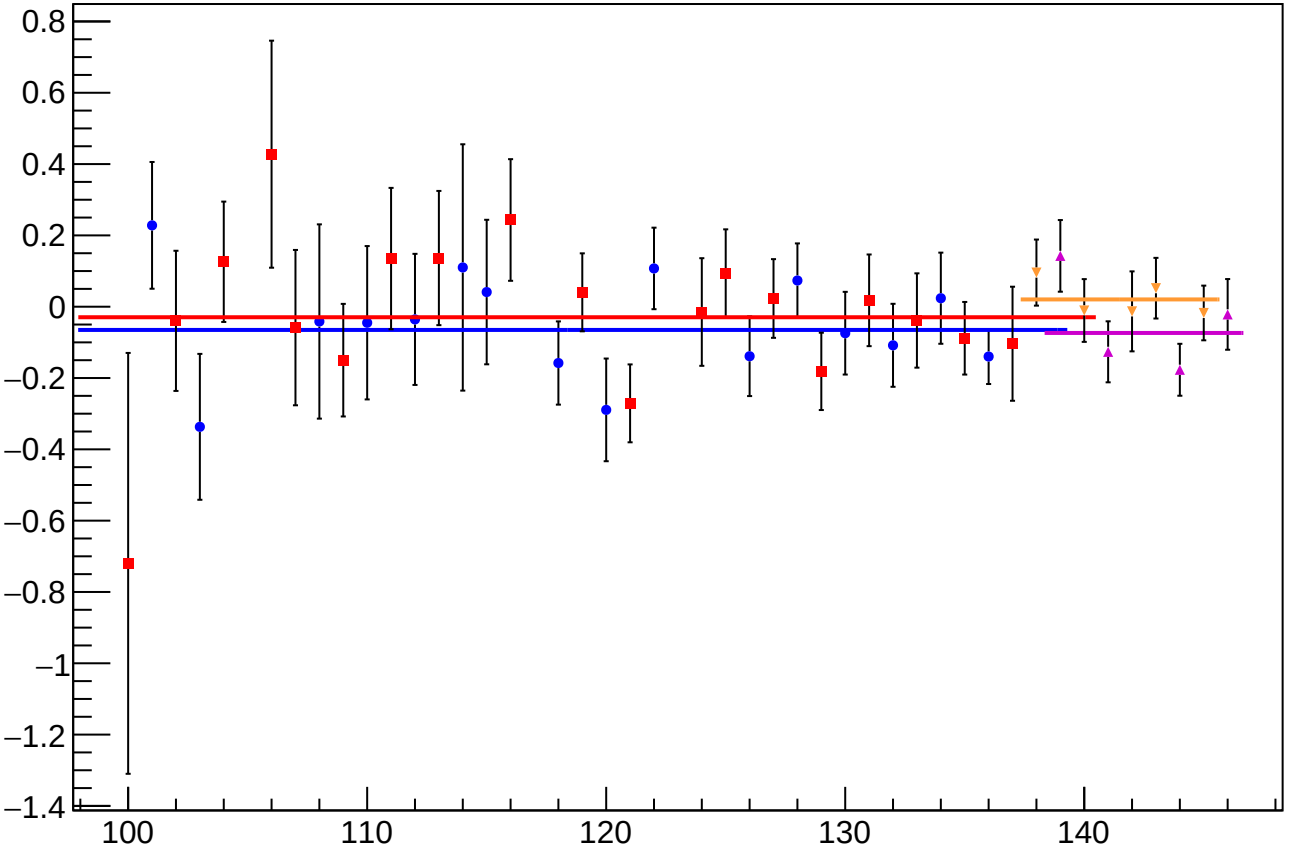
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 83.848+/-0.019 χ^2/NDF:1152434.9/19

Out: 81.928+/-0.018 χ^2/NDF:1099730.9/23

All: 82.847+/-0.013 χ^2/NDF: 2257646.8/43

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.040 χ^2/NDF:1.3/4

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.074+/-0.044 χ^2/NDF:7.3/3

Left: -0.022+/-0.029 χ^2/NDF: 11.1/8

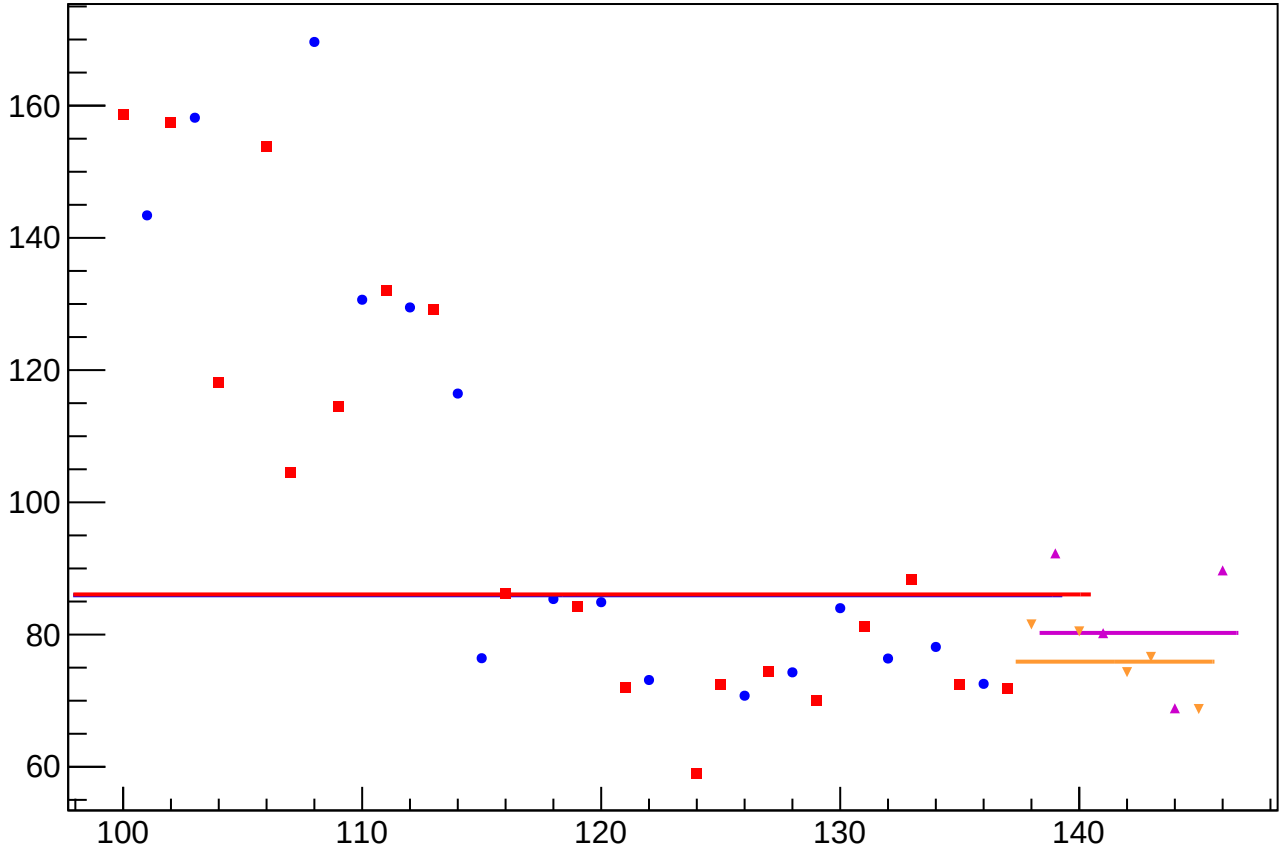
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.068+/-0.026 χ^2/NDF:21.5/19

Out: -0.009+/-0.025 χ^2/NDF:20.3/23

All: -0.037+/-0.018 χ^2/NDF: 44.4/43

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: 75.906+/-0.028 χ^2/NDF:30801.1/4

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.253+/-0.031 χ^2/NDF:95900.6/3

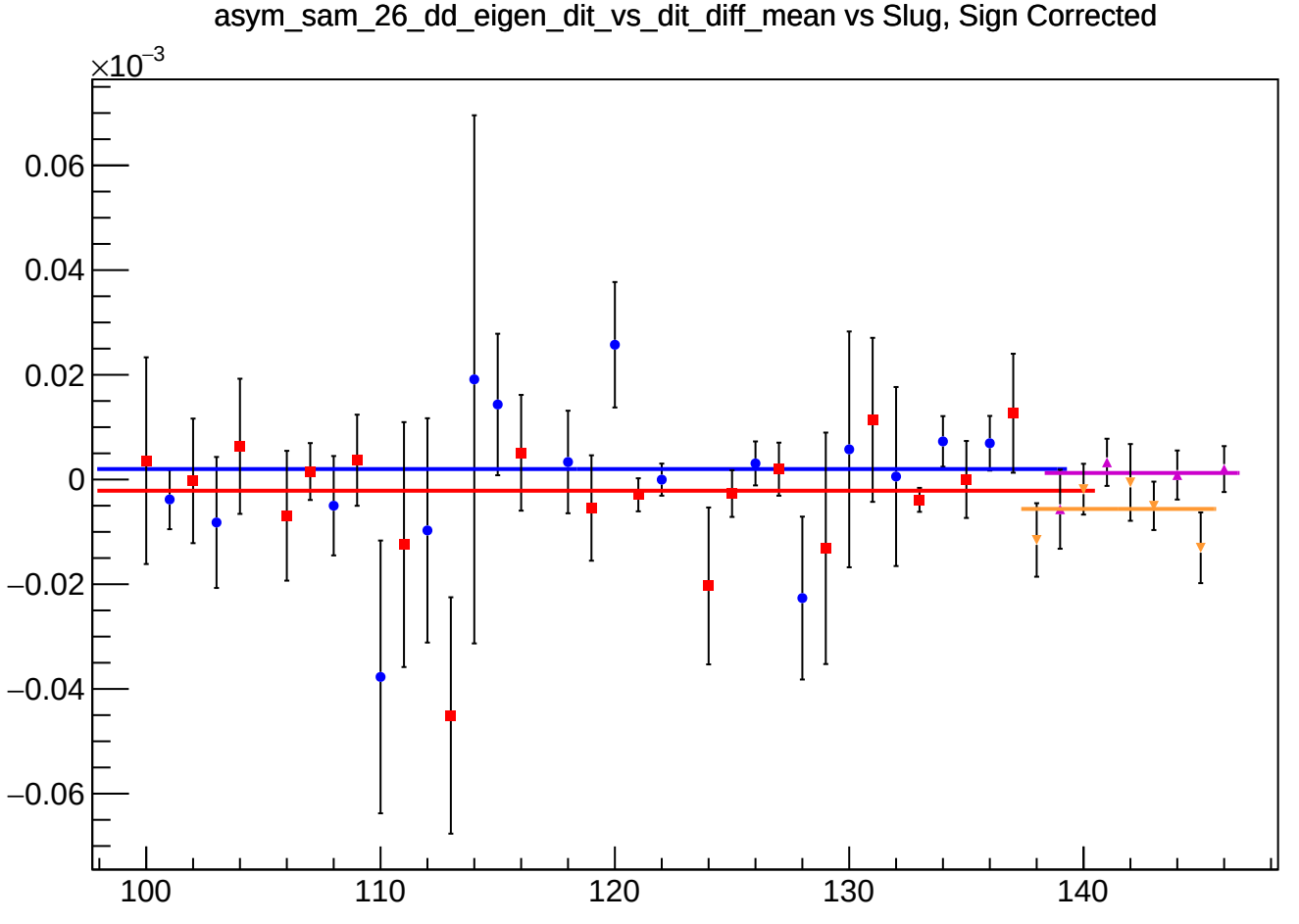
Left: 77.878+/-0.021 χ^2/NDF: 137562.7/8

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 83.848+/-0.019 χ^2/NDF:1152434.9/19

Out: 81.928+/-0.018 χ^2/NDF:1099730.9/23

All: 82.847+/-0.013 χ^2/NDF: 2257646.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

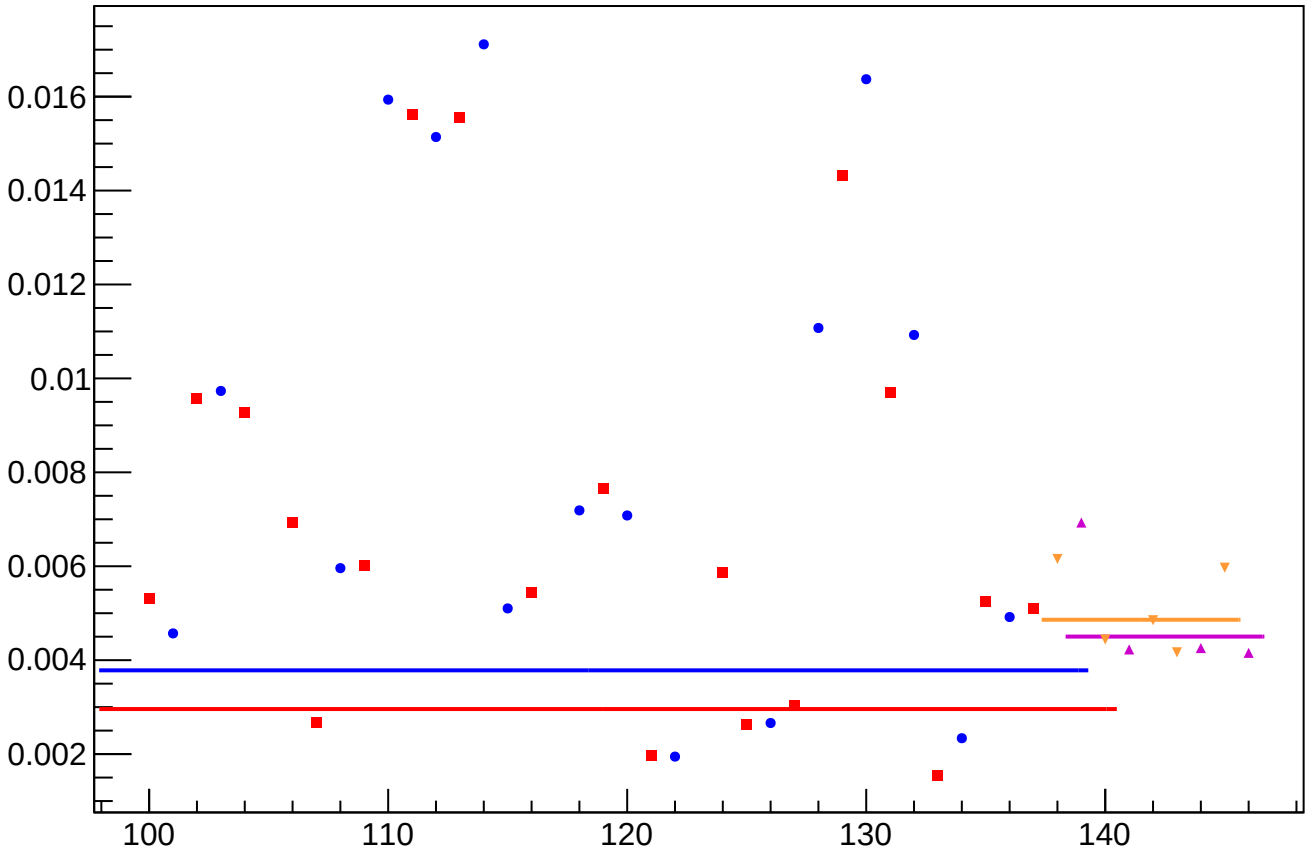
Left: -0.000+/-0.000 χ^2/NDF: 7.8/8

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:16.0/19

Out: -0.000+/-0.000 χ^2/NDF:15.9/23

All: -0.000+/-0.000 χ^2/NDF: 38.1/43



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:181950.6/4

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:232413.3/3

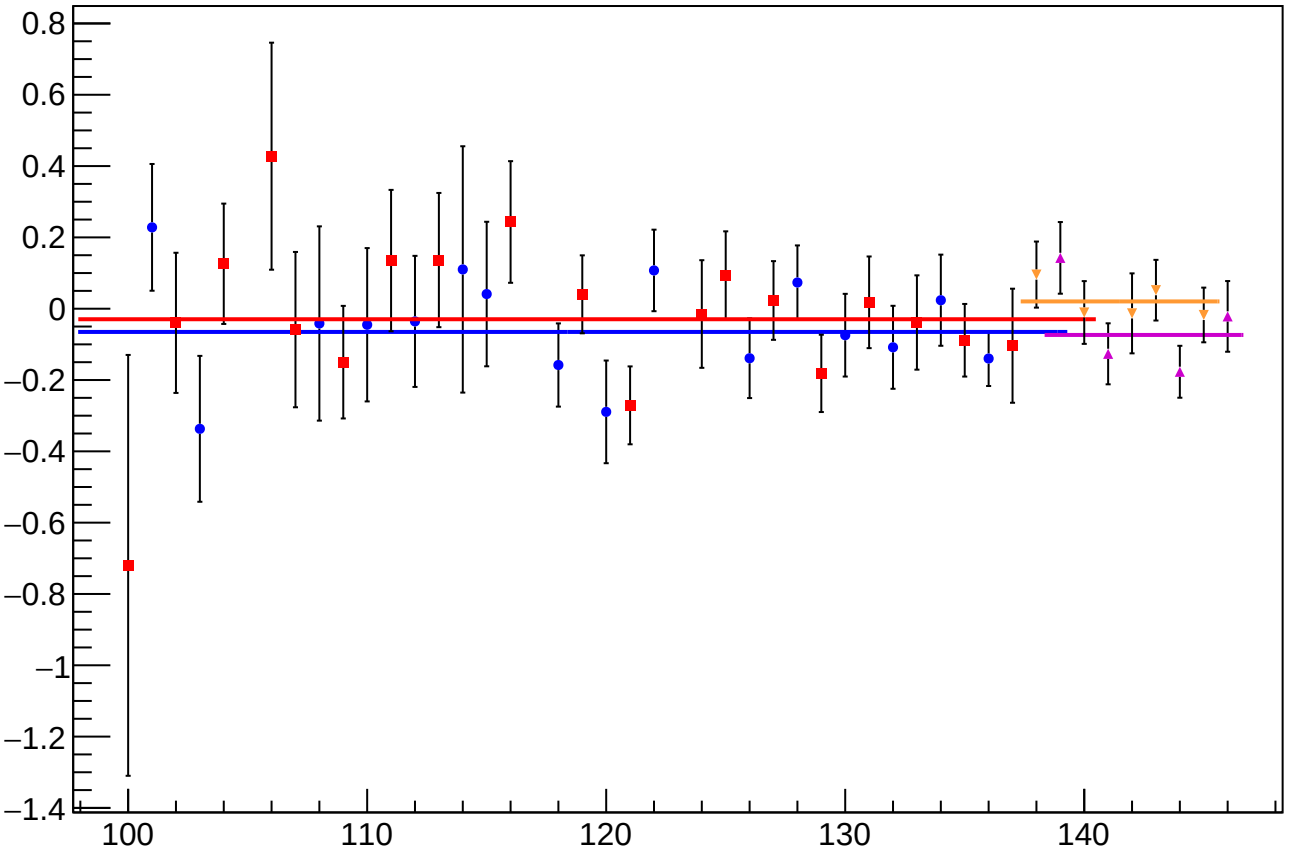
Left: 0.005+/-0.000 χ^2/NDF: 434506.4/8

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:5039935.6/19

Out: 0.003+/-0.000 χ^2/NDF:6568187.8/23

All: 0.004+/-0.000 χ^2/NDF: 11832493.7/43



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.020+/-0.040 χ^2/NDF:1.3/4

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.074+/-0.044 χ^2/NDF:7.3/3

Left: -0.022+/-0.029 χ^2/NDF: 11.1/8

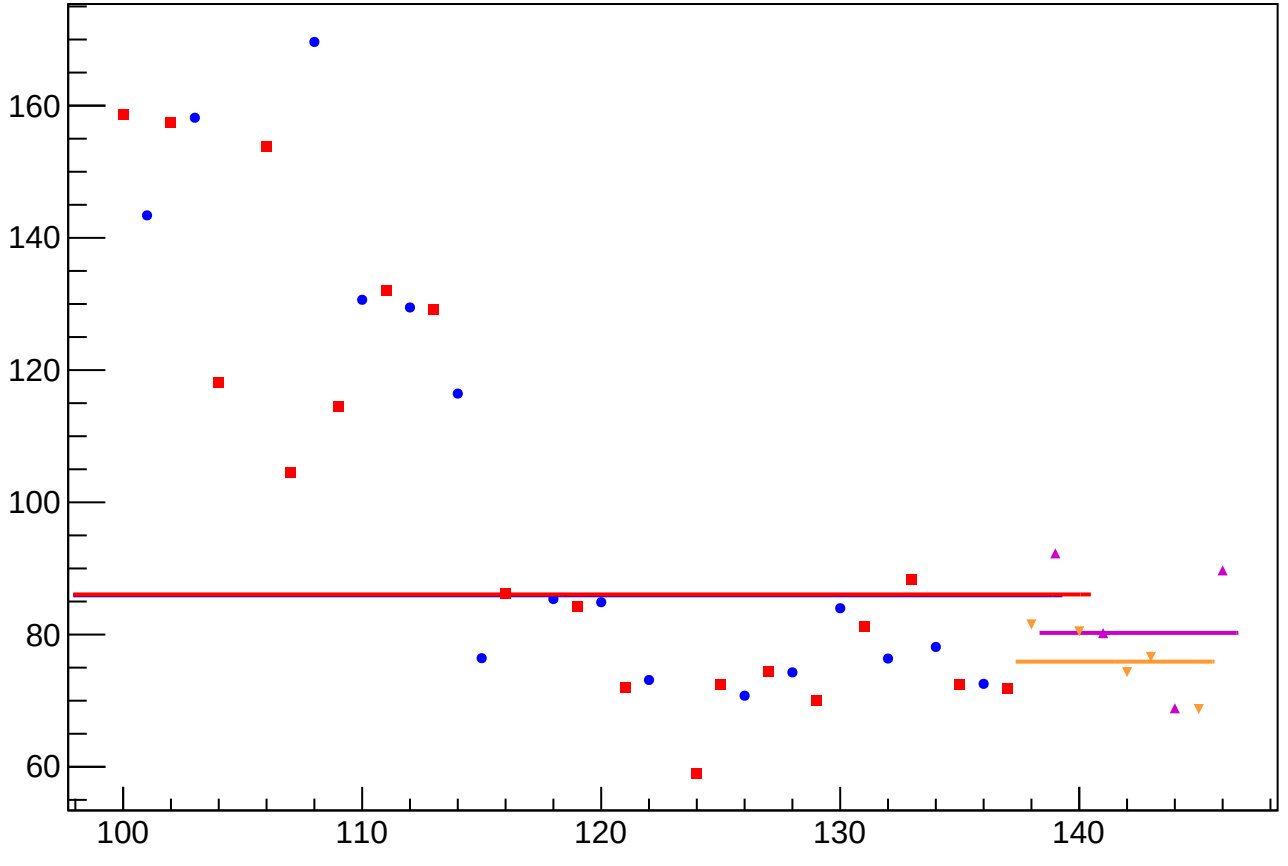
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.068+/-0.026 χ^2/NDF:21.5/19

Out: -0.009+/-0.025 χ^2/NDF:20.3/23

All: -0.037+/-0.018 χ^2/NDF: 44.4/43

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 75.905+/-0.028 χ^2/NDF:30808.8/4

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.252+/-0.031 χ^2/NDF:95894.7/3

Left: 77.877+/-0.021 χ^2/NDF: 137566.0/8

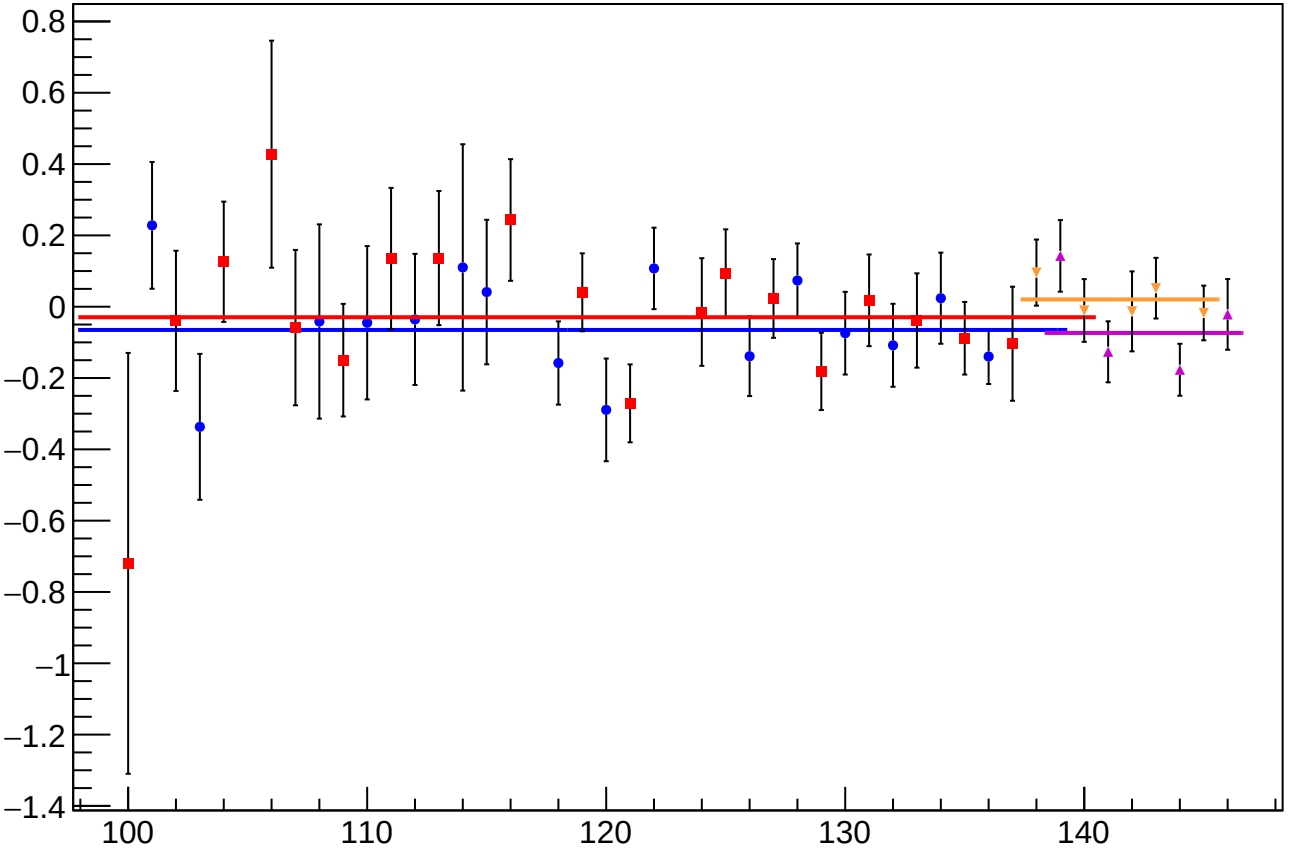
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 83.846+/-0.019 χ^2/NDF:1152398.5/19

Out: 81.927+/-0.018 χ^2/NDF:1099717.5/23

All: 82.846+/-0.013 χ^2/NDF: 2257596.2/43

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: 0.020+/-0.040 χ^2/NDF:1.3/4

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.074+/-0.044 χ^2/NDF:7.3/3

Left: -0.022+/-0.029 χ^2/NDF: 11.1/8

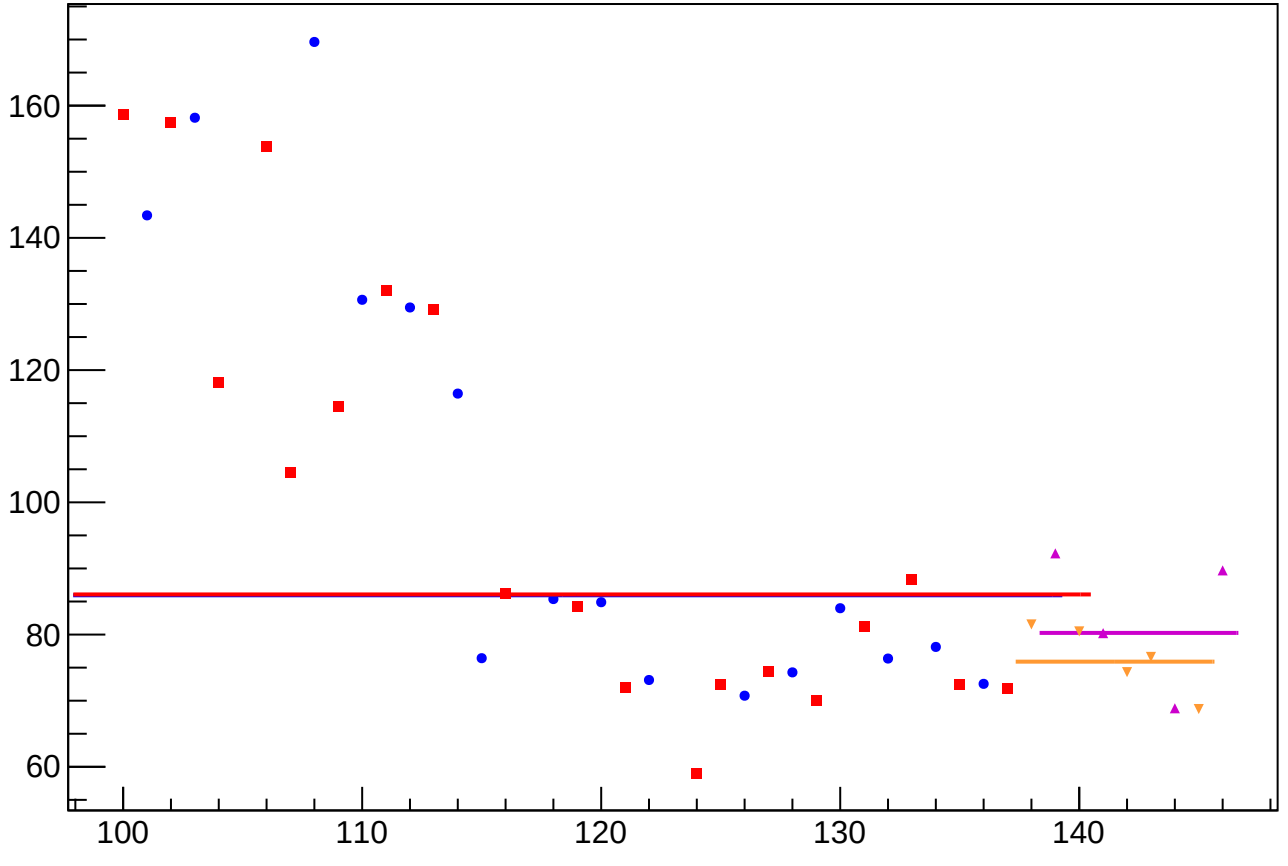
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.068+/-0.026 χ^2/NDF:21.5/19

Out: -0.009+/-0.025 χ^2/NDF:20.3/23

All: -0.037+/-0.018 χ^2/NDF: 44.4/43

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: 75.905+/-0.028 χ^2/NDF:30808.8/4

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.252+/-0.031 χ^2/NDF:95894.7/3

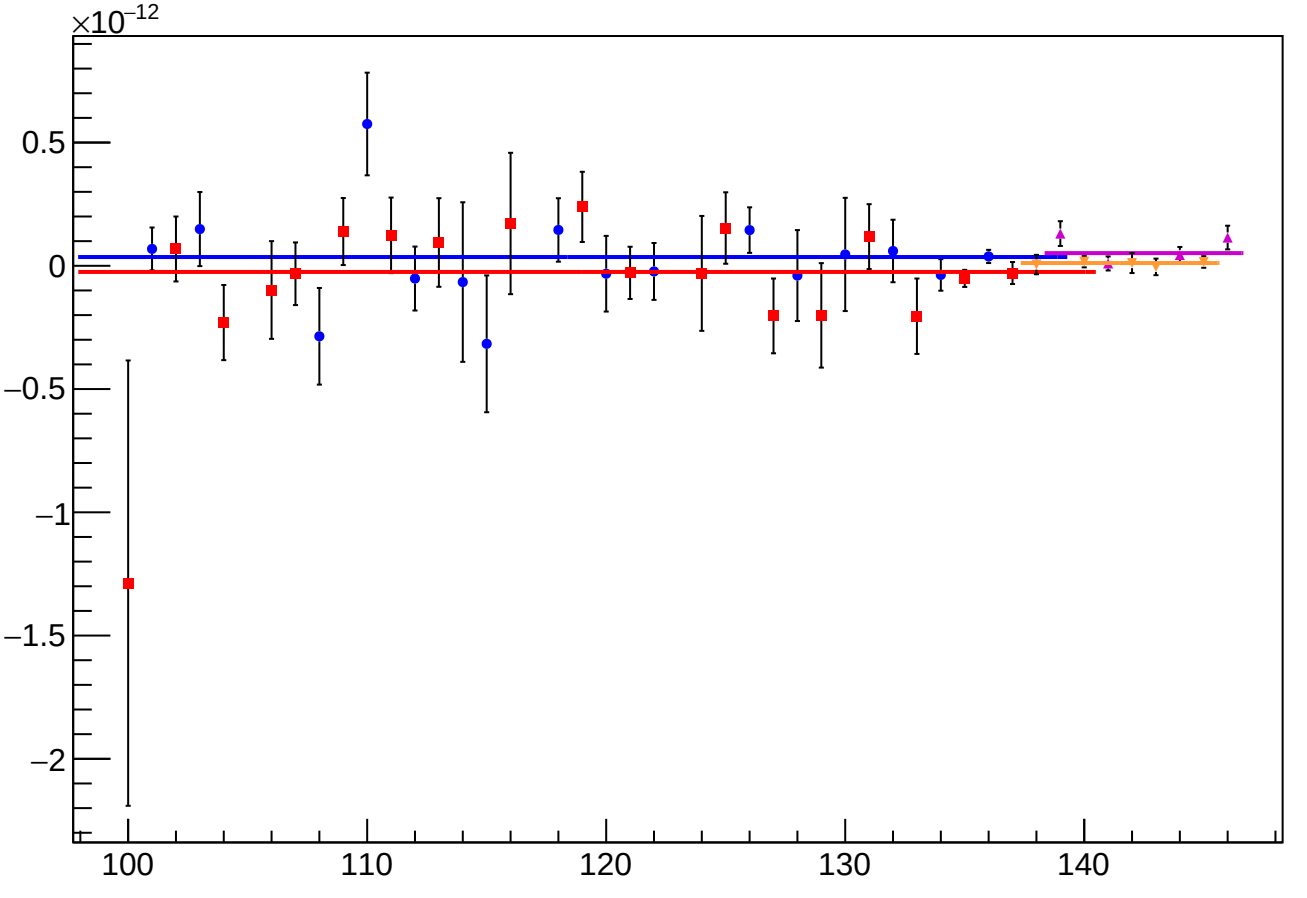
Left: 77.877+/-0.021 χ^2/NDF: 137566.0/8

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 83.846+/-0.019 χ^2/NDF:1152398.5/19

Out: 81.927+/-0.018 χ^2/NDF:1099717.5/23

All: 82.846+/-0.013 χ^2/NDF: 2257596.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/3

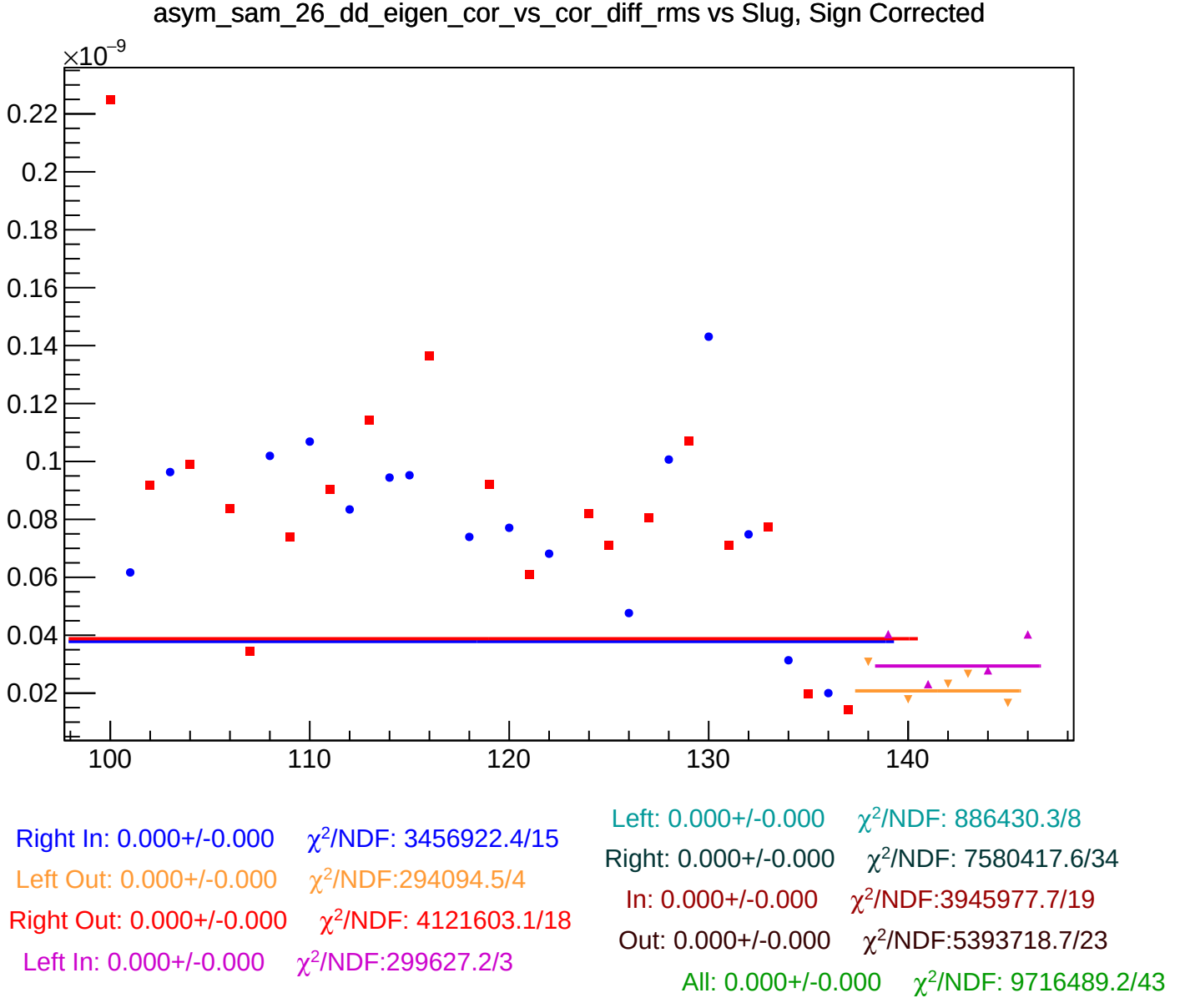
Left: 0.000+/-0.000 χ^2/NDF: 10.0/8

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

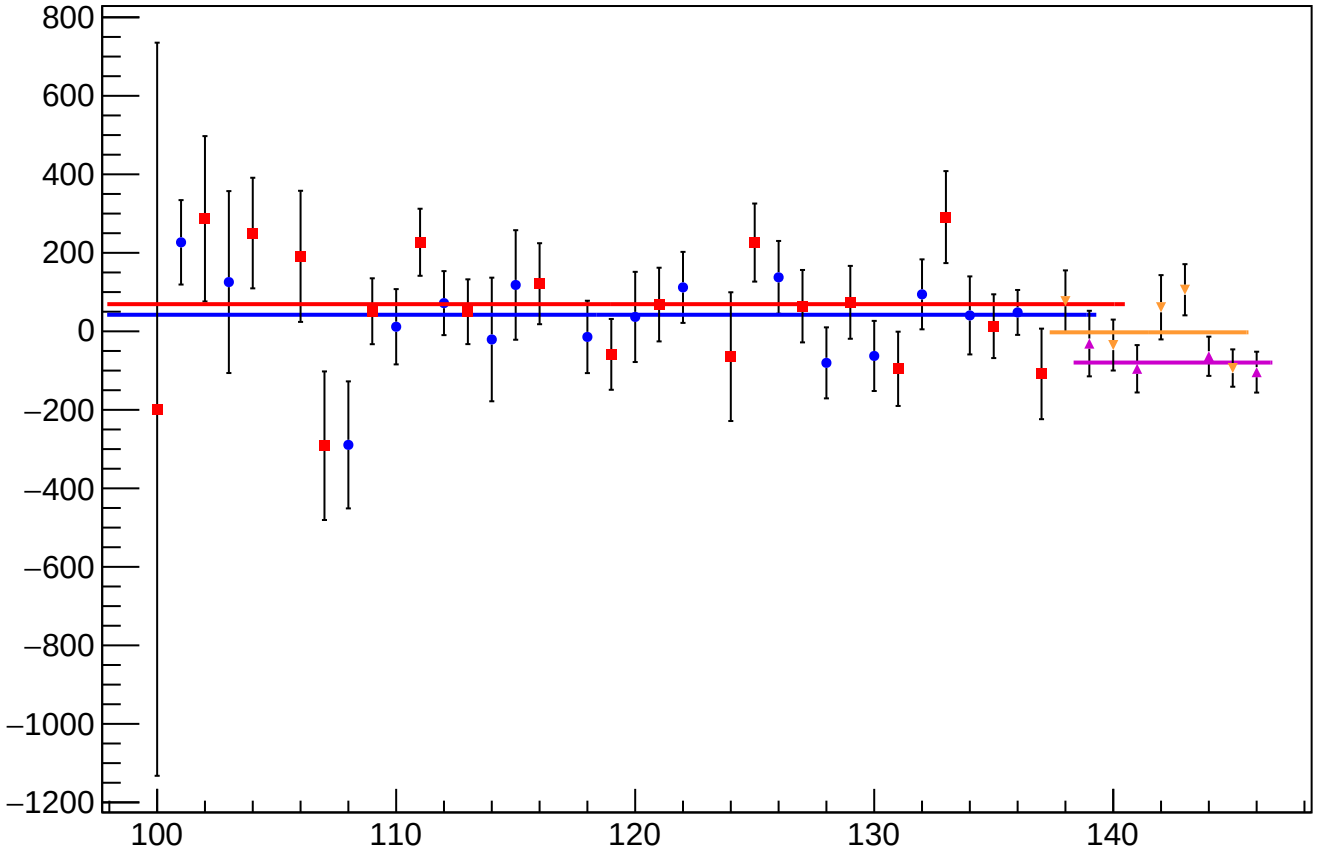
In: 0.000+/-0.000 χ^2/NDF:23.1/19

Out: 0.000+/-0.000 χ^2/NDF:20.2/23

All: 0.000+/-0.000 χ^2/NDF: 49.1/43


asym_sam_26_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:294094.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:299627.2/3
Left: 0.000+/-0.000 χ²/NDF: 886430.3/8
Right: 0.000+/-0.000 χ²/NDF: 7580417.6/34
In: 0.000+/-0.000 χ²/NDF:3945977.7/19
Out: 0.000+/-0.000 χ²/NDF:5393718.7/23
All: 0.000+/-0.000 χ²/NDF: 9716489.2/43

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -2.503+/-28.560 χ^2/NDF:8.3/4

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -79.533+/-29.021 χ^2/NDF:0.7/3

Left: -40.402+/-20.356 χ^2/NDF: 12.6/8

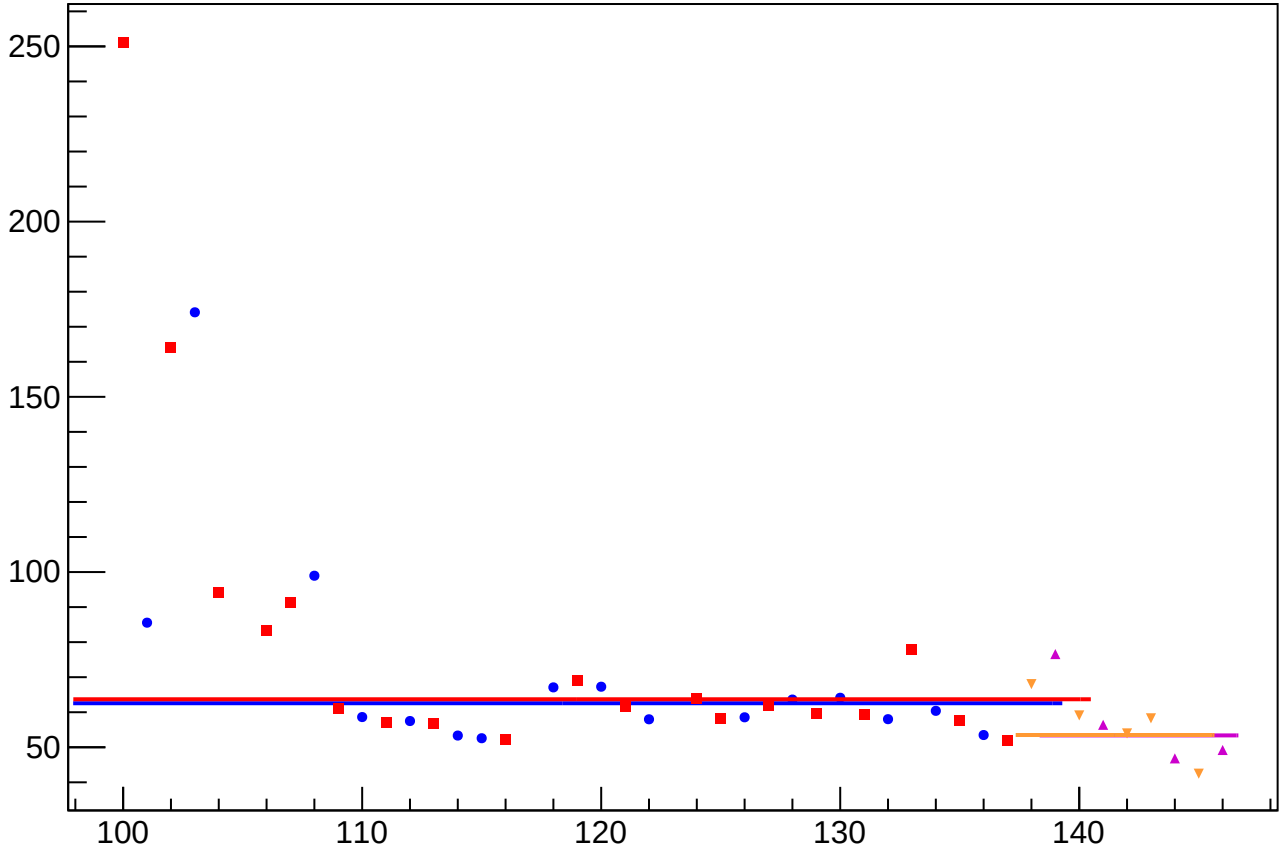
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -7.735+/-18.589 χ^2/NDF:24.7/19

Out: 38.948+/-18.560 χ^2/NDF:37.3/23

All: 15.644+/-13.134 χ^2/NDF: 65.1/43

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 53.501+/-0.020 χ^2/NDF:201634.2/4

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

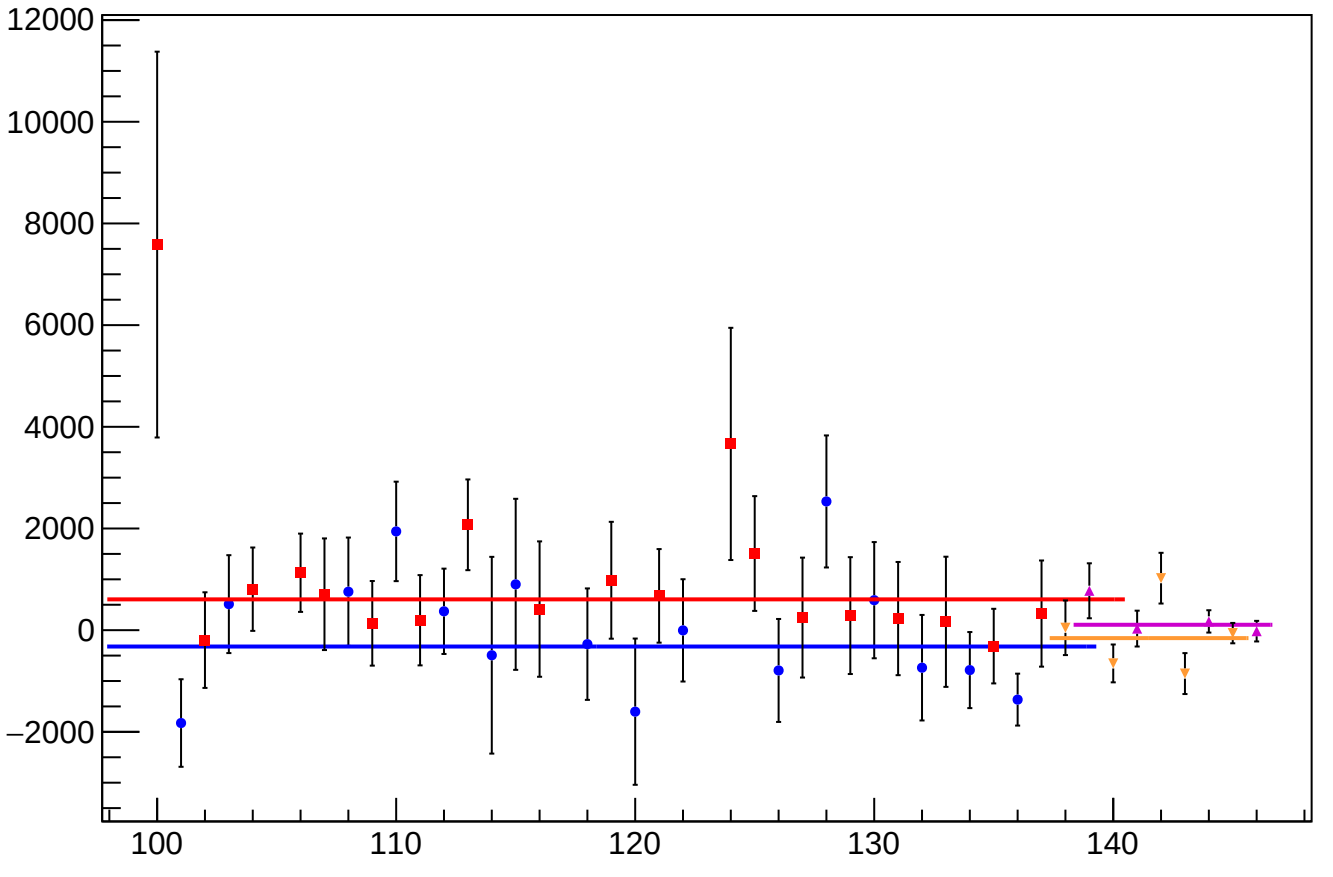
Left: 53.445+/-0.014 χ^2/NDF: 408387.9/8

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 58.800+/-0.013 χ^2/NDF:1083314.4/19

Out: 59.393+/-0.013 χ^2/NDF:1183136.3/23

All: 59.097+/-0.009 χ^2/NDF: 2267469.6/43



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -156.279+/-147.778 χ^2/NDF:10.8/4

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 106.110+/-132.960 χ^2/NDF:2.1/3

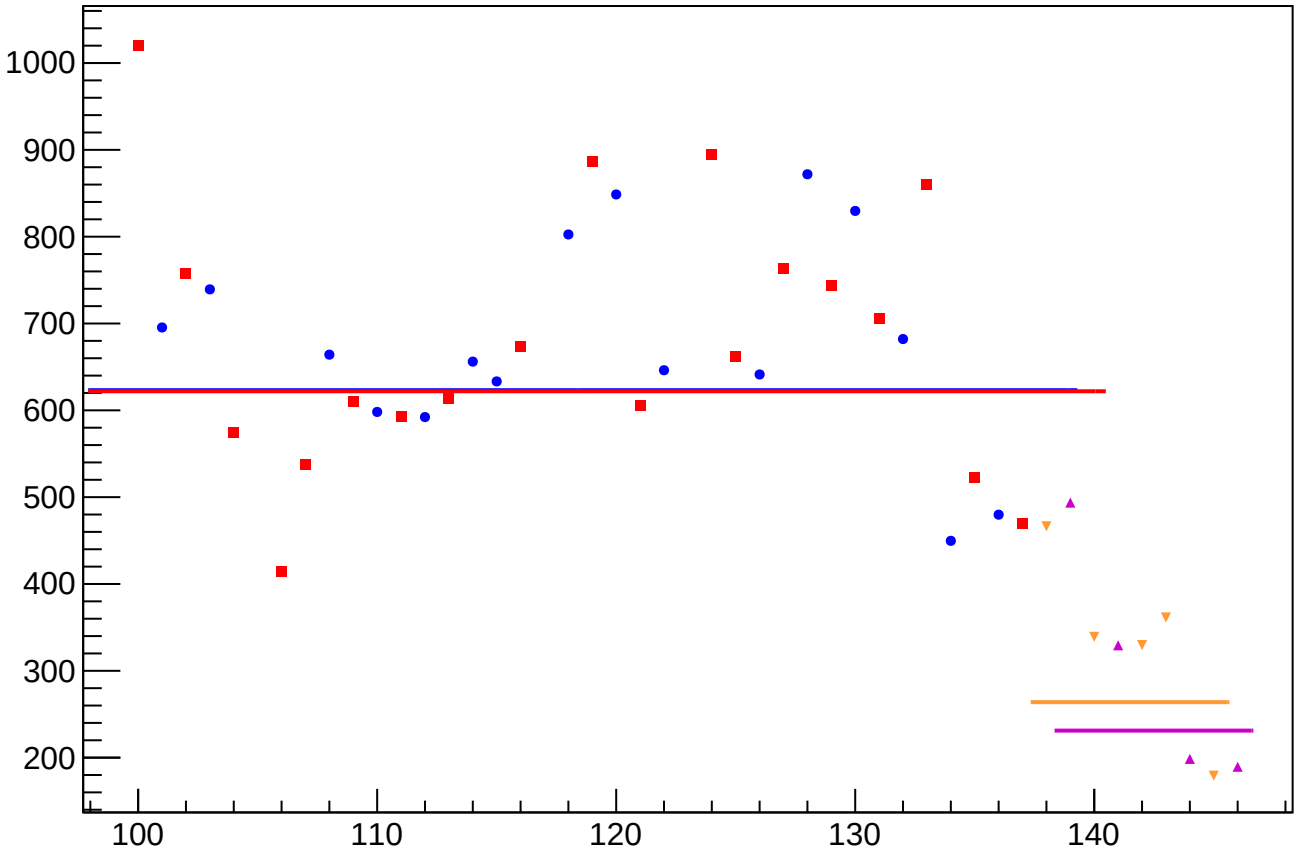
Left: -11.273+/-98.842 χ^2/NDF: 14.6/8

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 4.673+/-116.130 χ^2/NDF:27.2/19

Out: 61.495+/-124.893 χ^2/NDF:30.8/23

All: 31.021+/-85.046 χ^2/NDF: 58.2/43



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 263.911+/-0.104 χ^2/NDF:875266.6/4

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 231.134+/-0.094 χ^2/NDF:755644.4/3

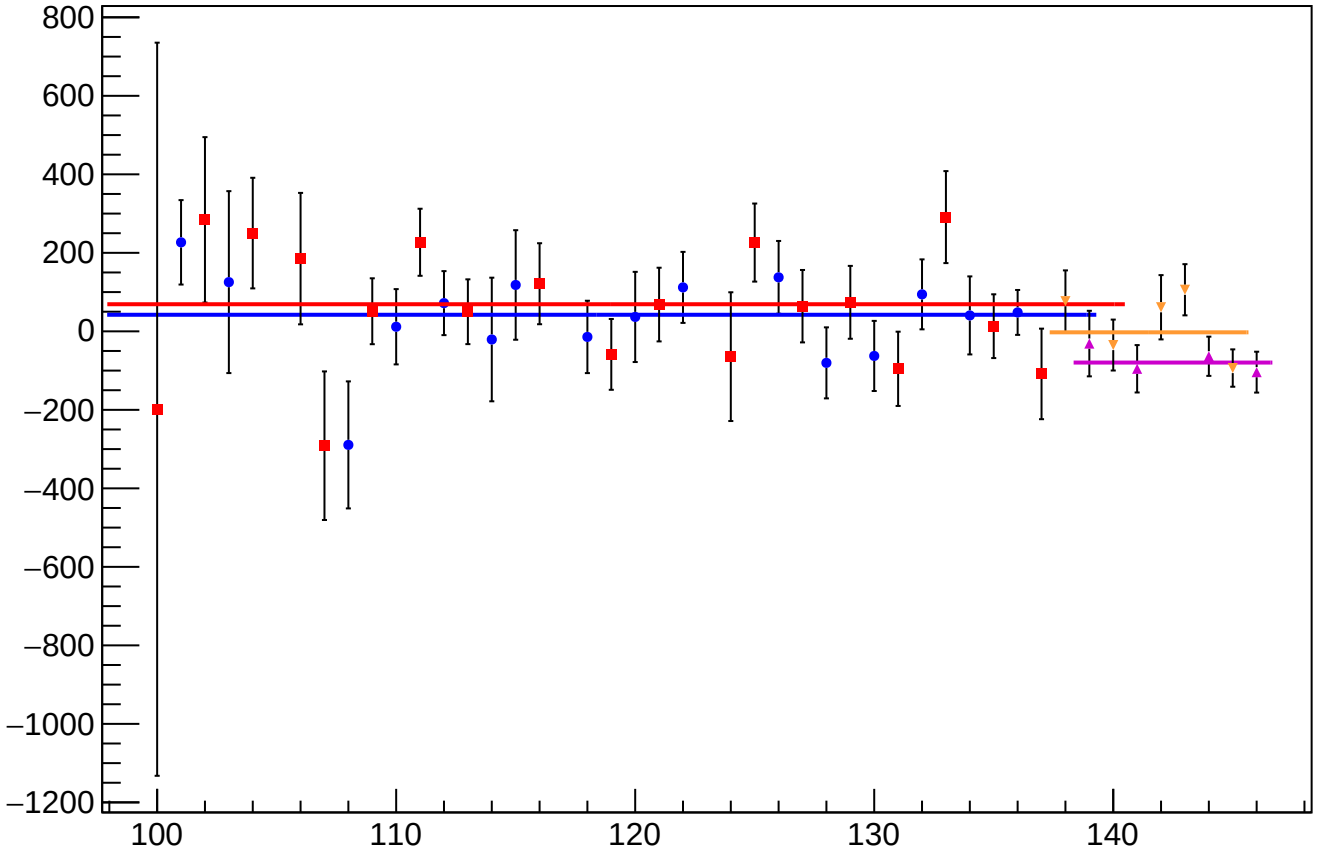
Left: 245.797+/-0.070 χ^2/NDF: 1685286.6/8

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 324.099+/-0.082 χ^2/NDF:5444491.1/19

Out: 366.225+/-0.088 χ^2/NDF:4812917.1/23

All: 343.632+/-0.060 χ^2/NDF: 10379438.6/43



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -2.498+/-28.560 χ^2/NDF:8.3/4

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -79.531+/-29.021 χ^2/NDF:0.7/3

Left: -40.398+/-20.356 χ^2/NDF: 12.6/8

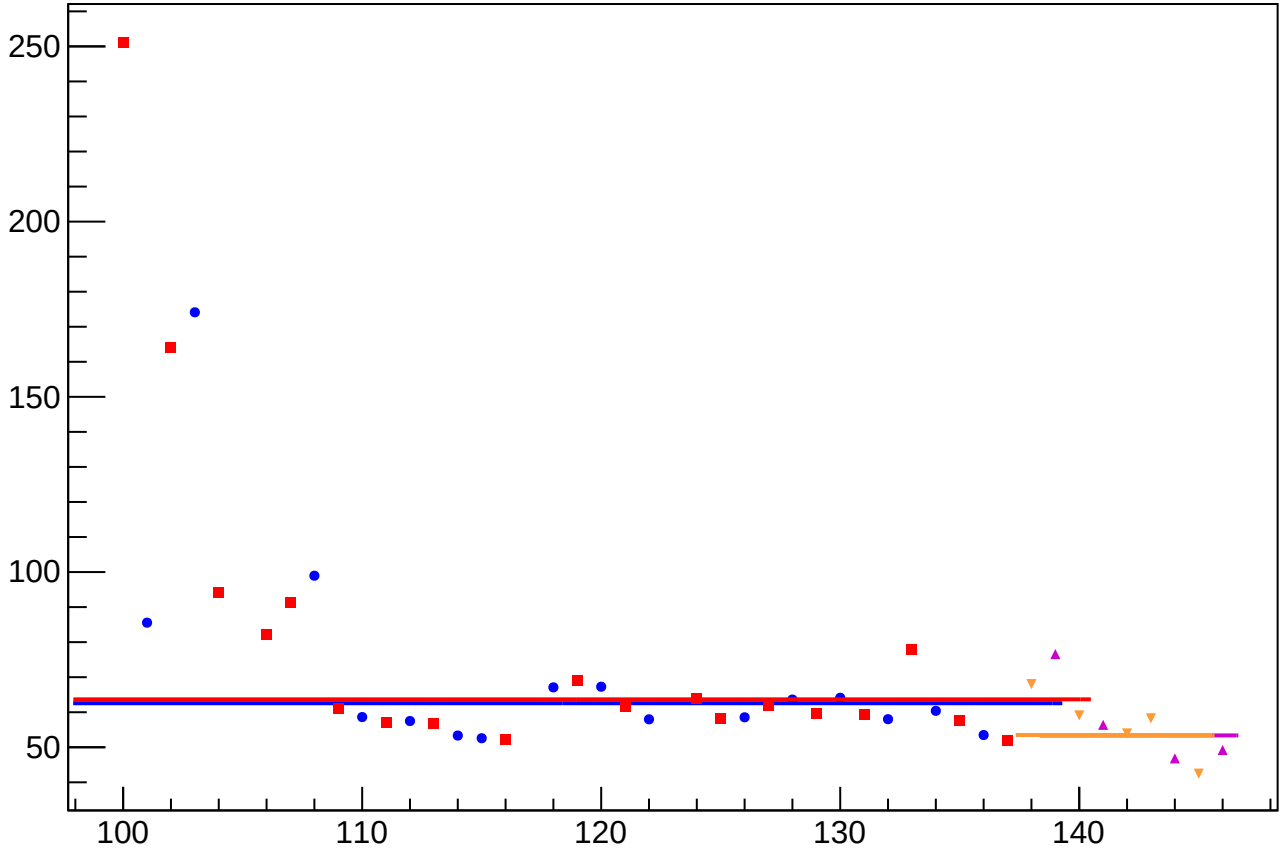
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -7.738+/-18.589 χ^2/NDF:24.7/19

Out: 38.844+/-18.560 χ^2/NDF:37.2/23

All: 15.589+/-13.134 χ^2/NDF: 65.0/43

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.501+/-0.020 χ^2/NDF:201634.2/4

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

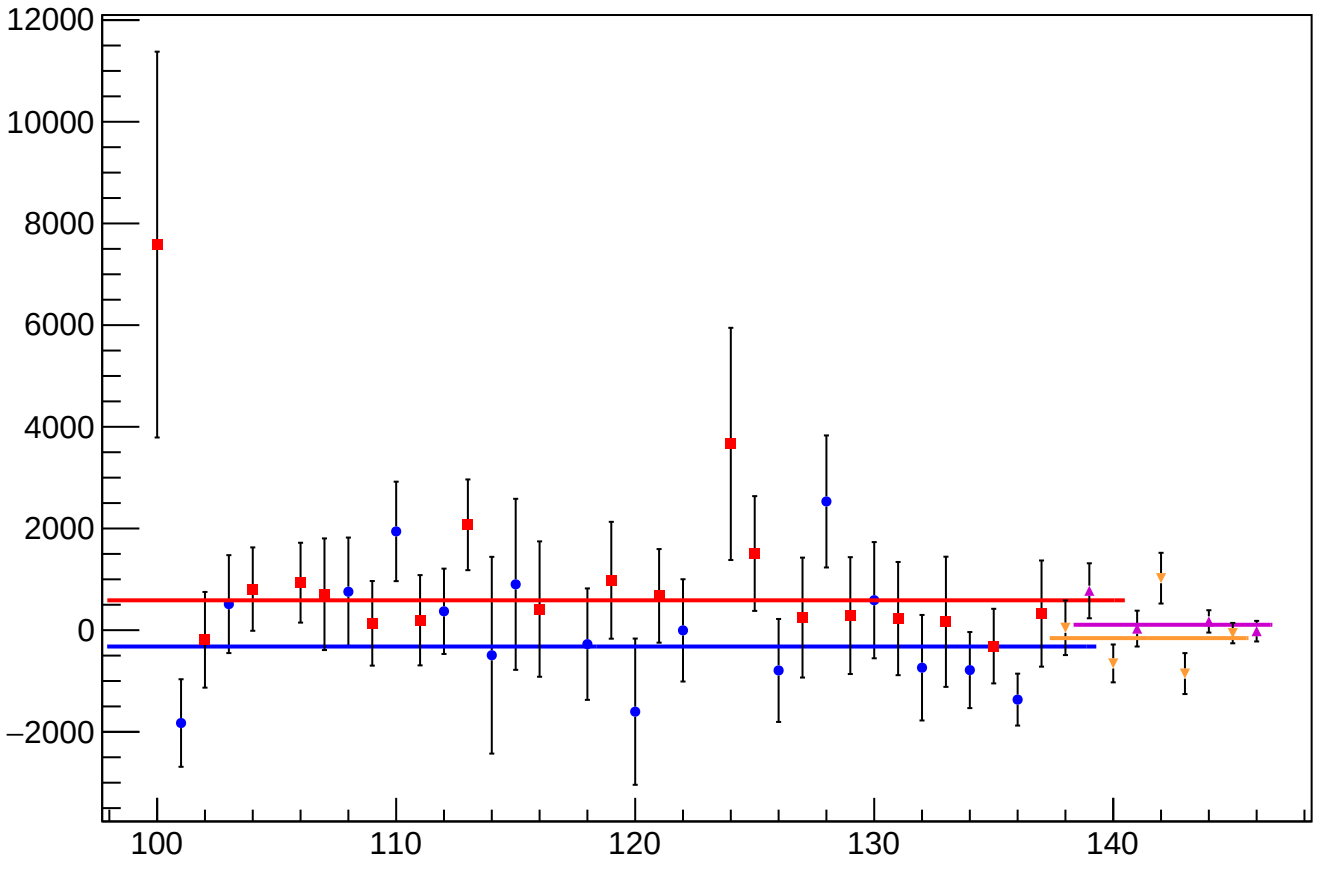
Left: 53.445+/-0.014 χ^2/NDF: 408387.9/8

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 58.800+/-0.013 χ^2/NDF:1083316.4/19

Out: 59.378+/-0.013 χ^2/NDF:1179684.5/23

All: 59.089+/-0.009 χ^2/NDF: 2263971.5/43



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -156.276+/-147.778 χ^2/NDF:10.8/4

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 106.115+/-132.960 χ^2/NDF:2.1/3

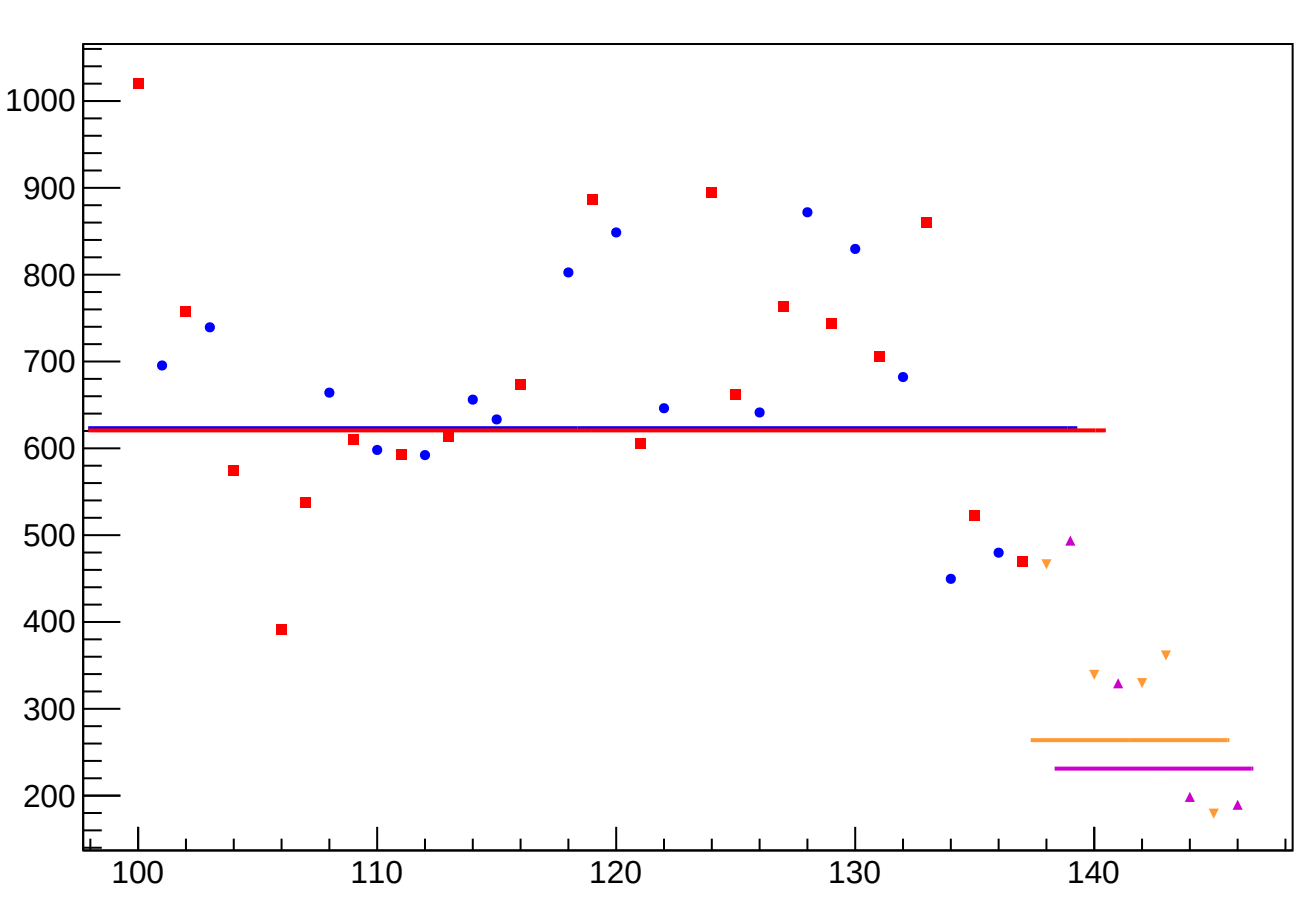
Left: -11.269+/-98.842 χ^2/NDF: 14.6/8

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 4.679+/-116.131 χ^2/NDF:27.2/19

Out: 55.605+/-124.960 χ^2/NDF:30.2/23

All: 28.280+/-85.067 χ^2/NDF: 57.5/43



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 263.911+/-0.104 χ^2/NDF:875270.5/4

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 231.133+/-0.094 χ^2/NDF:755647.5/3

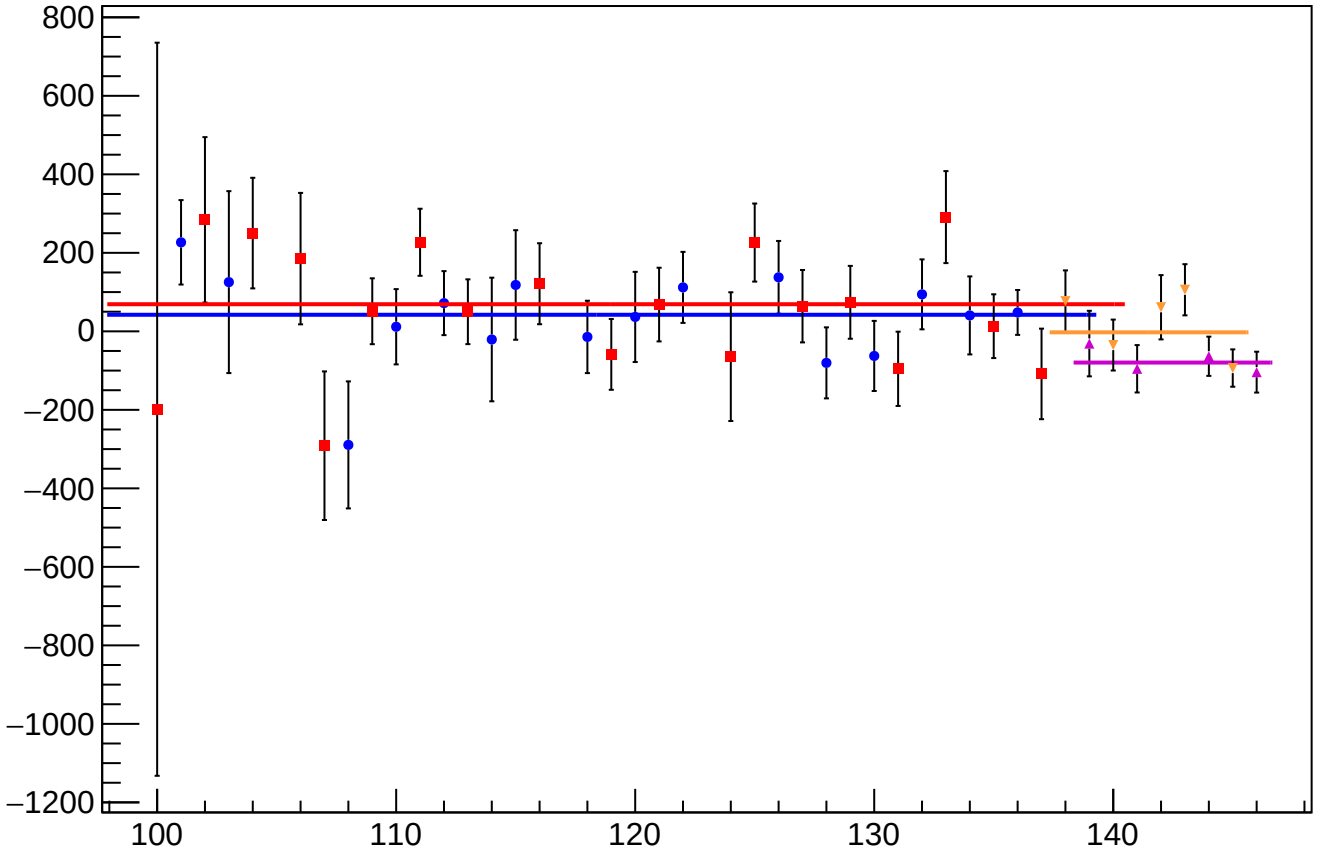
Left: 245.797+/-0.070 χ^2/NDF: 1685293.5/8

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 324.098+/-0.082 χ^2/NDF:5444556.4/19

Out: 365.580+/-0.088 χ^2/NDF:4807629.7/23

All: 343.322+/-0.060 χ^2/NDF: 10370448.6/43



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -2.498+/-28.560 χ^2/NDF:8.3/4

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -79.531+/-29.021 χ^2/NDF:0.7/3

Left: -40.398+/-20.356 χ^2/NDF: 12.6/8

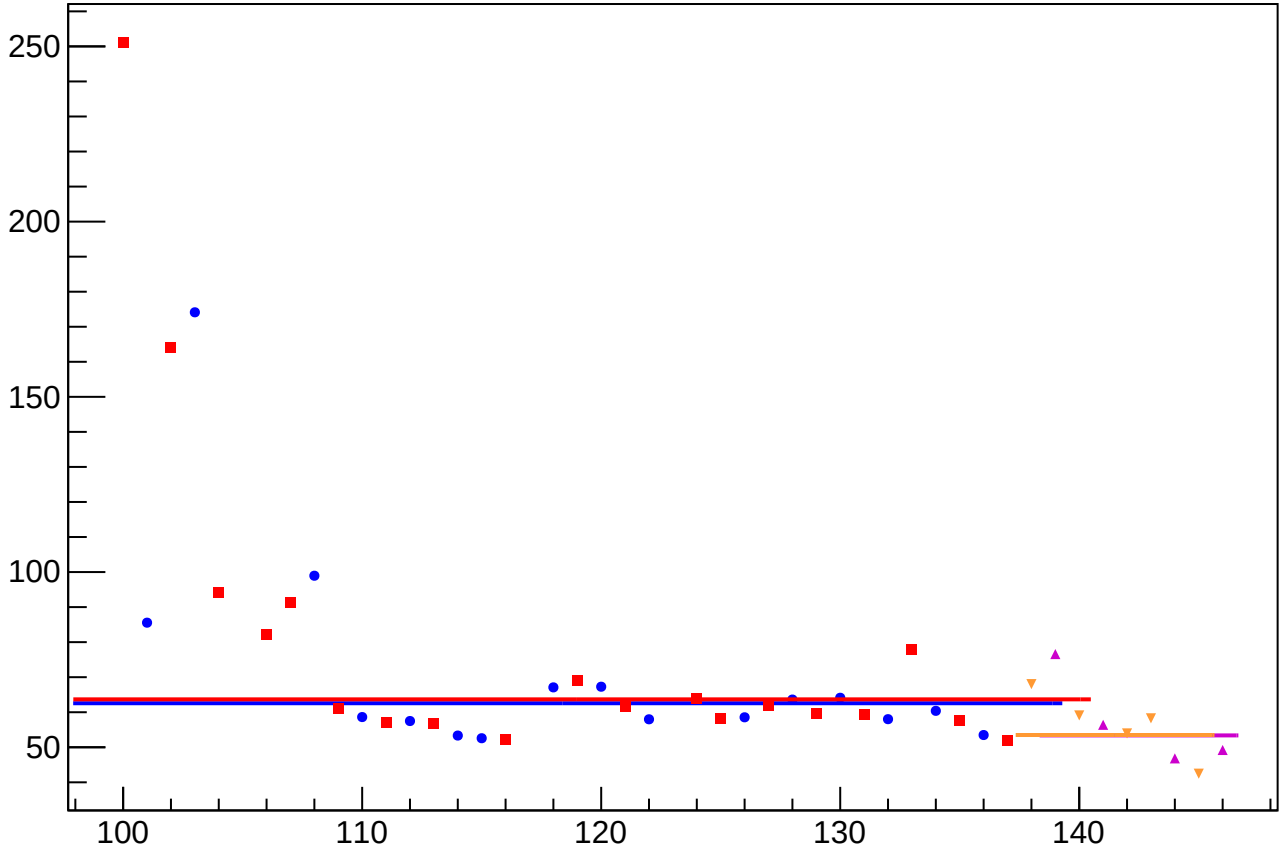
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -7.738+/-18.589 χ^2/NDF:24.7/19

Out: 38.844+/-18.560 χ^2/NDF:37.2/23

All: 15.589+/-13.134 χ^2/NDF: 65.0/43

eigen_cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.501+/-0.020 χ^2/NDF:201634.2/4

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

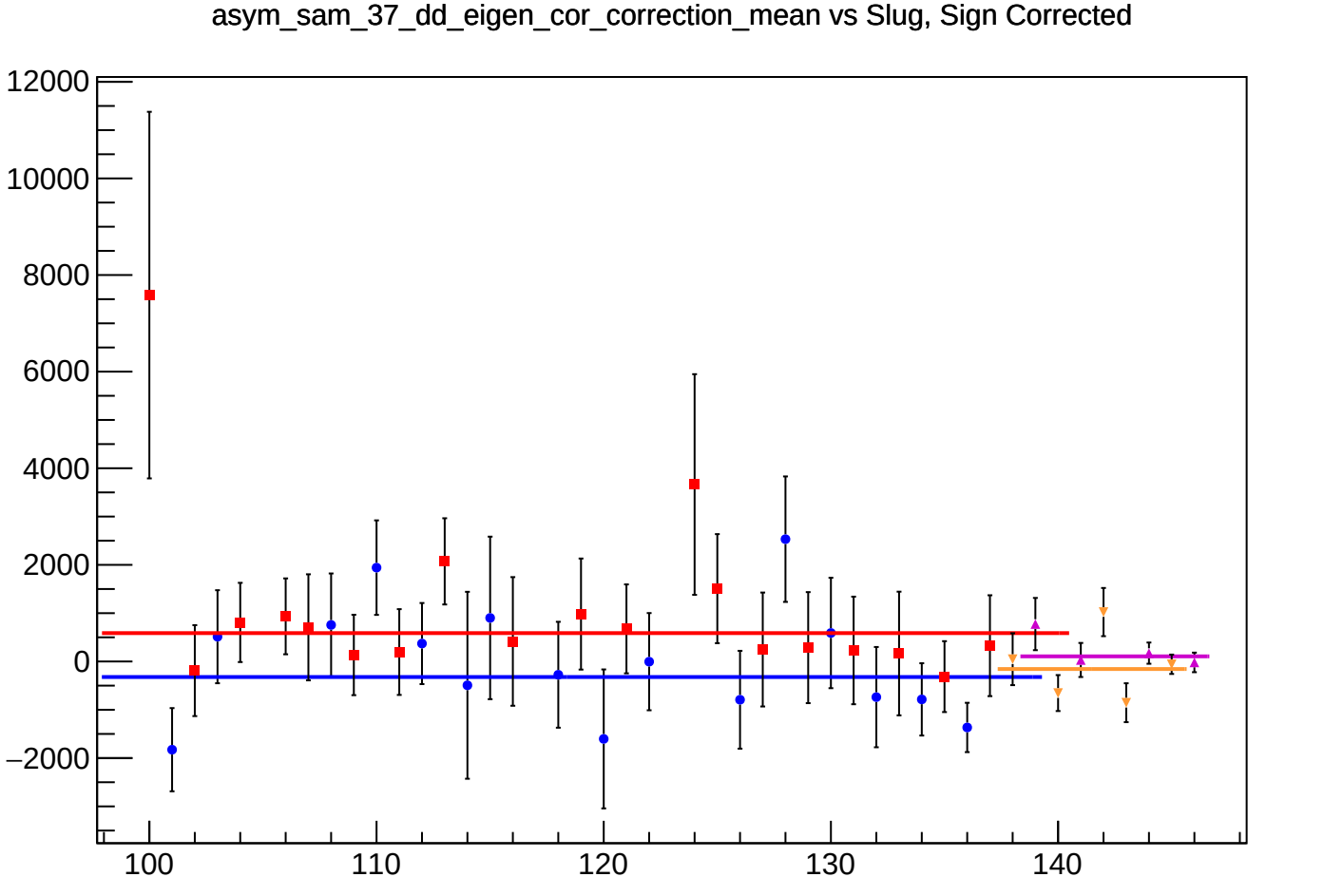
Left: 53.445+/-0.014 χ^2/NDF: 408387.9/8

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 58.800+/-0.013 χ^2/NDF:1083316.4/19

Out: 59.378+/-0.013 χ^2/NDF:1179684.5/23

All: 59.089+/-0.009 χ^2/NDF: 2263971.5/43



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -156.276+/-147.778 χ^2/NDF:10.8/4

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 106.115+/-132.960 χ^2/NDF:2.1/3

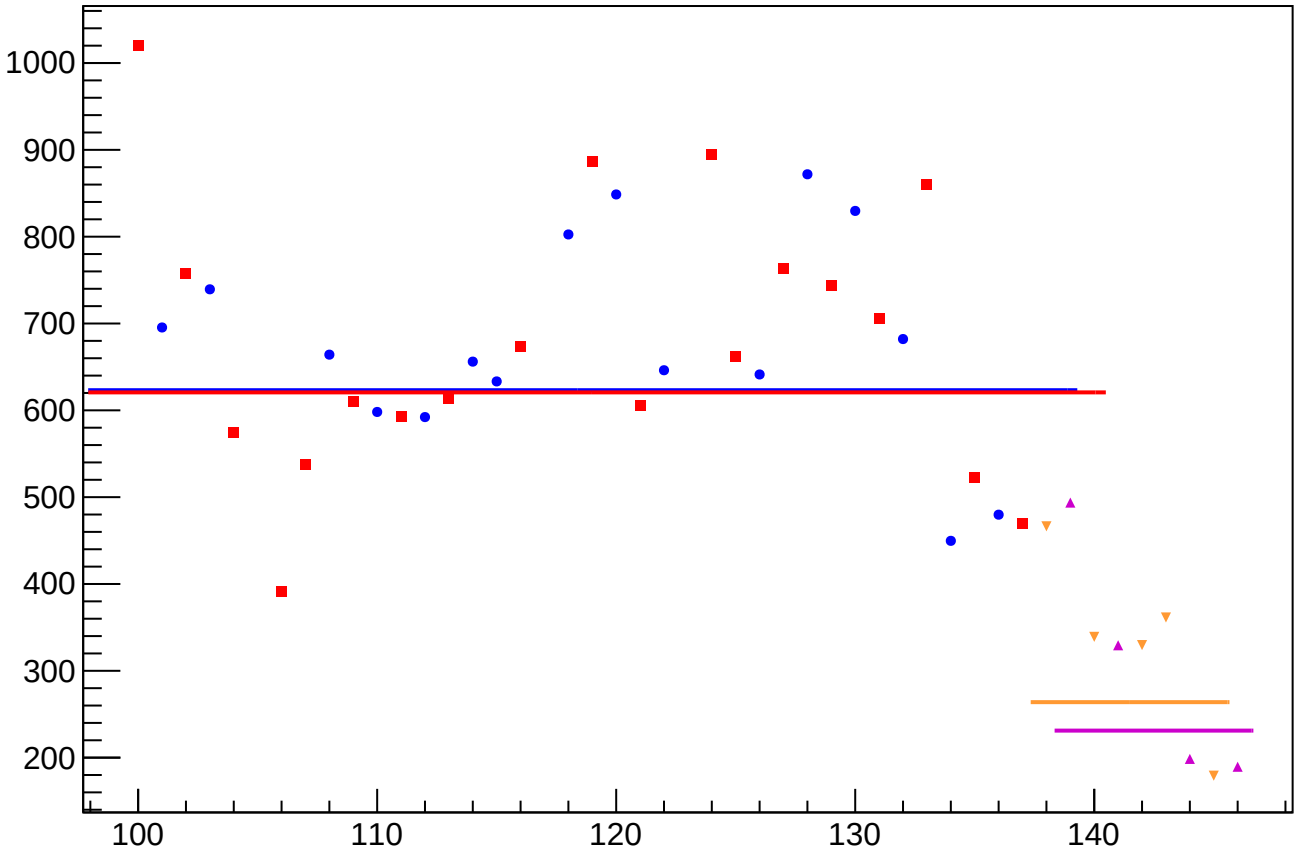
Left: -11.269+/-98.842 χ^2/NDF: 14.6/8

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 4.679+/-116.131 χ^2/NDF:27.2/19

Out: 55.605+/-124.960 χ^2/NDF:30.2/23

All: 28.280+/-85.067 χ^2/NDF: 57.5/43



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 263.911+/-0.104 χ^2/NDF:875270.5/4

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 231.133+/-0.094 χ^2/NDF:755647.5/3

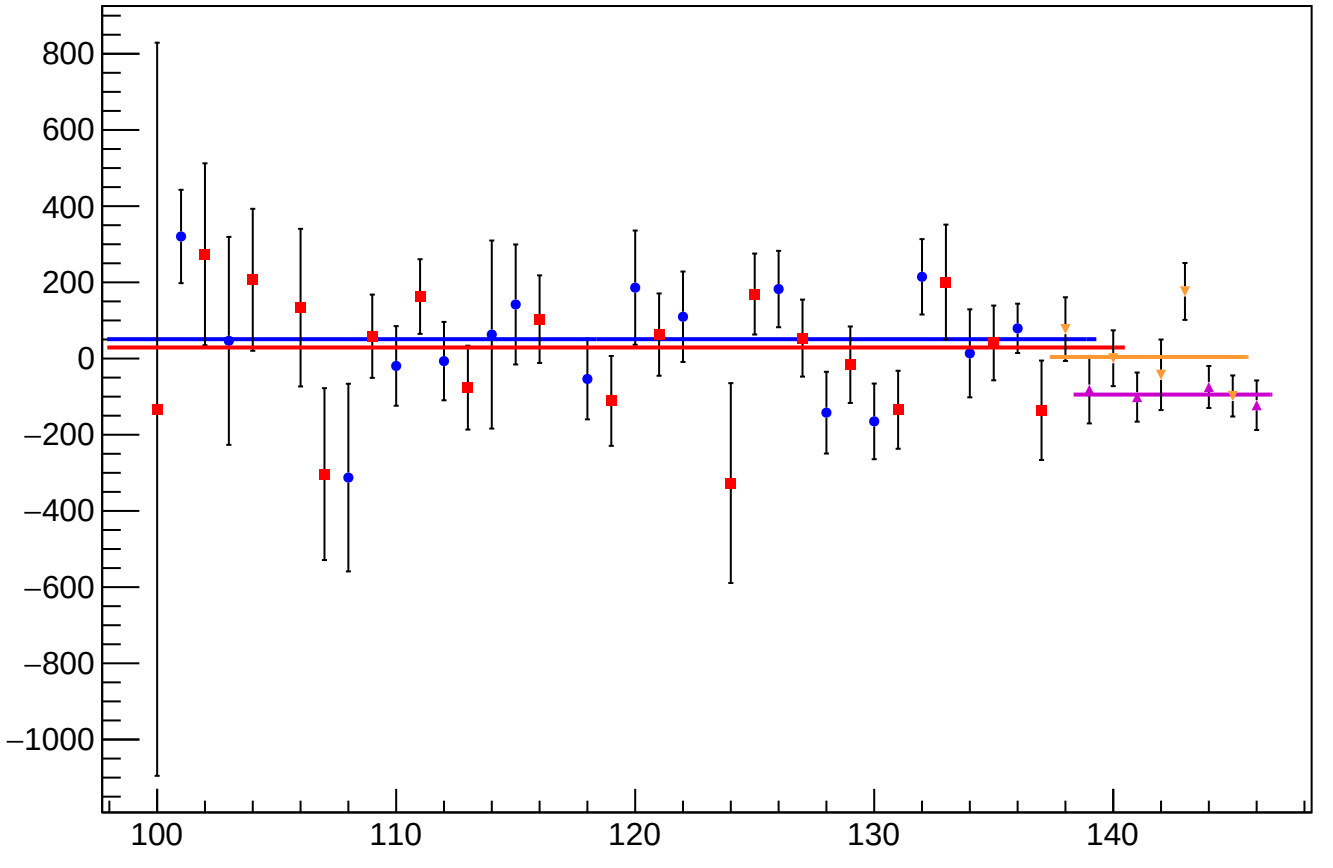
Left: 245.797+/-0.070 χ^2/NDF: 1685293.5/8

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 324.098+/-0.082 χ^2/NDF:5444556.4/19

Out: 365.580+/-0.088 χ^2/NDF:4807629.7/23

All: 343.322+/-0.060 χ^2/NDF: 10370448.6/43



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 4.138+/-32.108 χ^2/NDF:9.9/4

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -94.597+/-32.736 χ^2/NDF:0.3/3

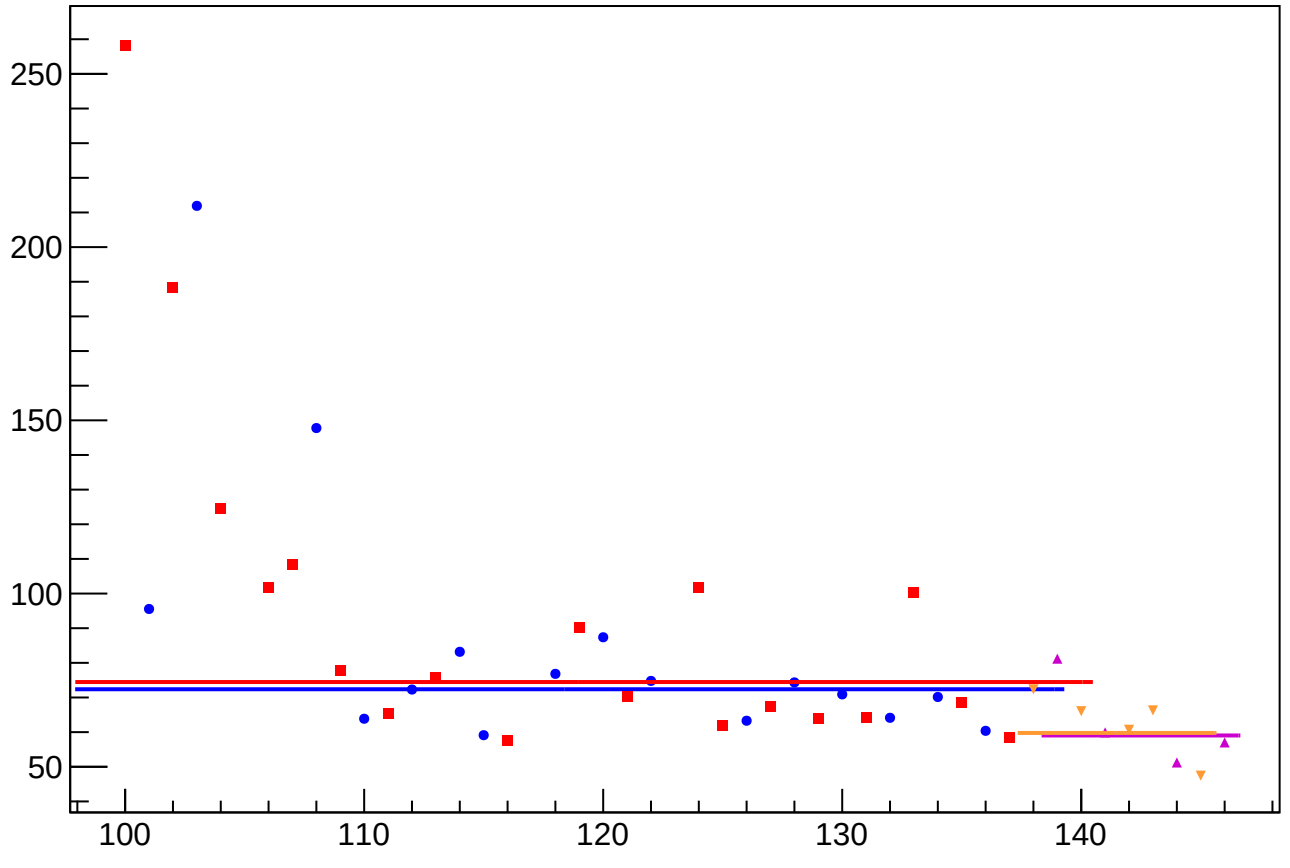
Left: -44.274+/-22.923 χ^2/NDF: 14.9/8

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -11.404+/-21.416 χ^2/NDF:34.5/19

Out: 17.891+/-21.484 χ^2/NDF:28.8/23

All: 3.197+/-15.168 χ^2/NDF: 64.2/43



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 59.766+/-0.023 χ^2/NDF:180277.4/4

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 59.040+/-0.023 χ^2/NDF:167626.2/3

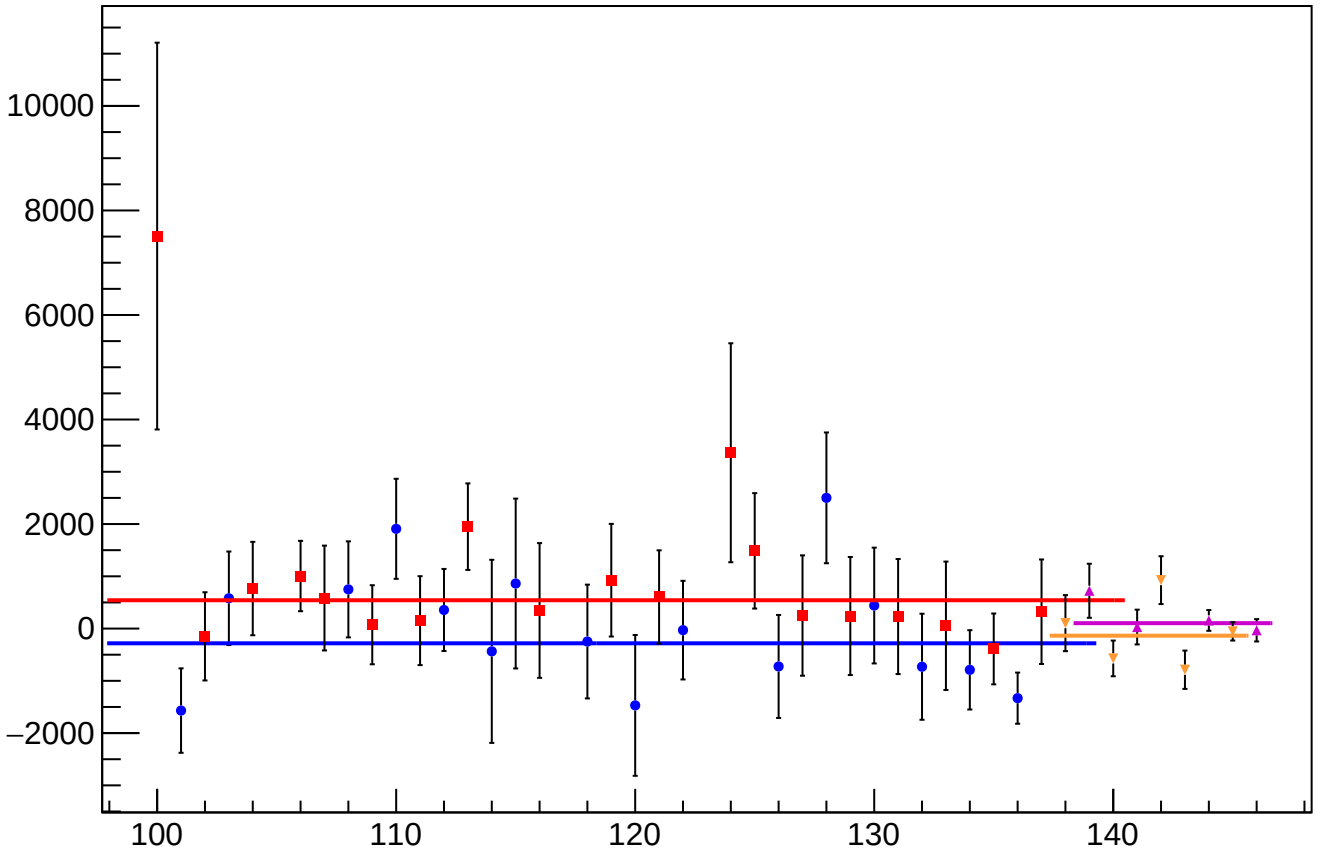
Left: 59.410+/-0.016 χ^2/NDF: 348404.8/8

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 66.669+/-0.015 χ^2/NDF:1295718.5/19

Out: 67.883+/-0.015 χ^2/NDF:1464018.6/23

All: 67.274+/-0.011 χ^2/NDF: 2762938.1/43



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -136.134+/-132.713 χ^2/NDF:10.6/4

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 103.341+/-129.136 χ^2/NDF:2.0/3

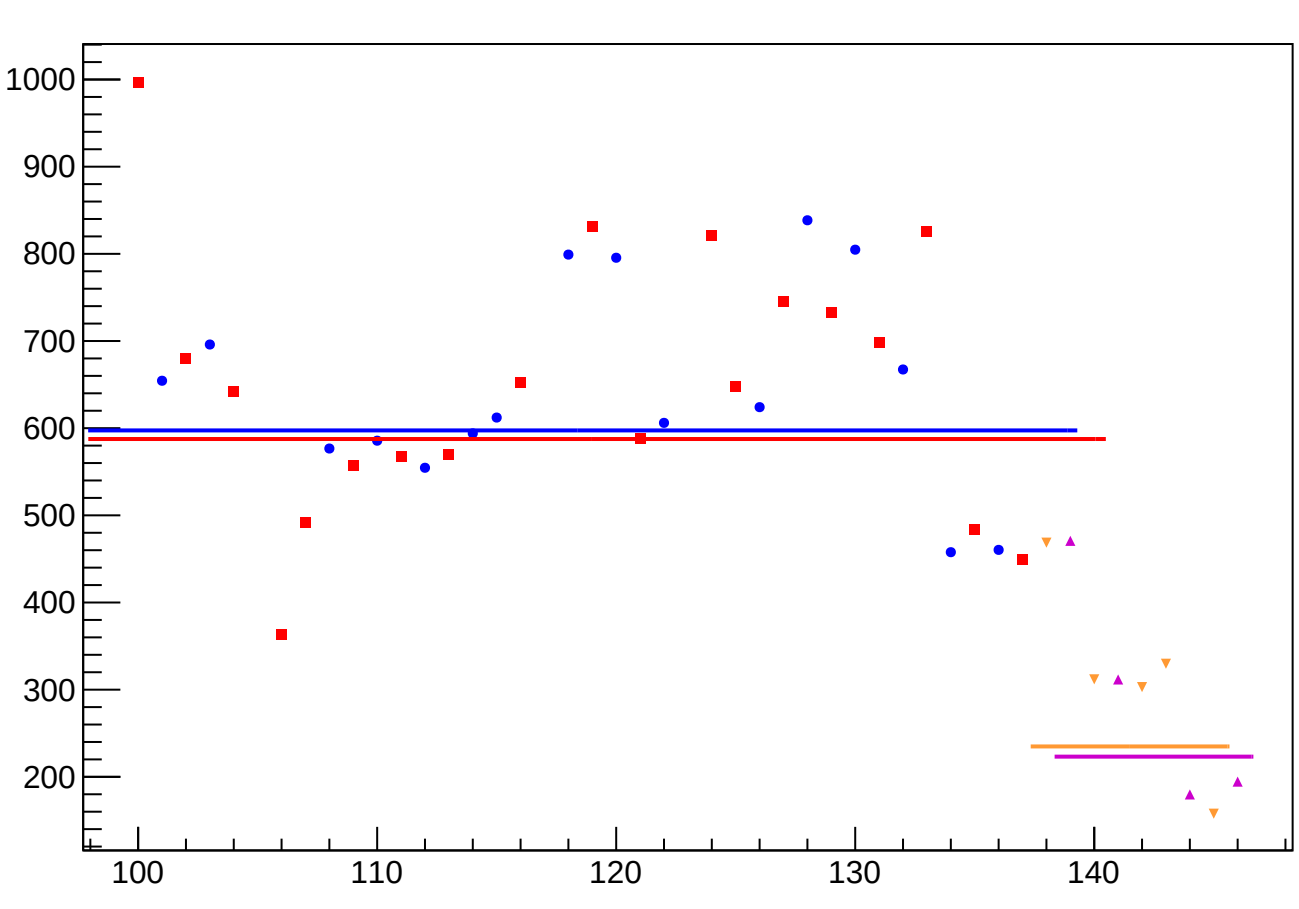
Left: -13.126+/-92.552 χ^2/NDF: 14.2/8

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 9.610+/-112.339 χ^2/NDF:26.9/19

Out: 43.719+/-113.762 χ^2/NDF:30.8/23

All: 26.450+/-79.934 χ^2/NDF: 57.8/43



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 234.863+/-0.094 χ^2/NDF:1047271.9/4

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 223.172+/-0.091 χ^2/NDF:731309.2/3

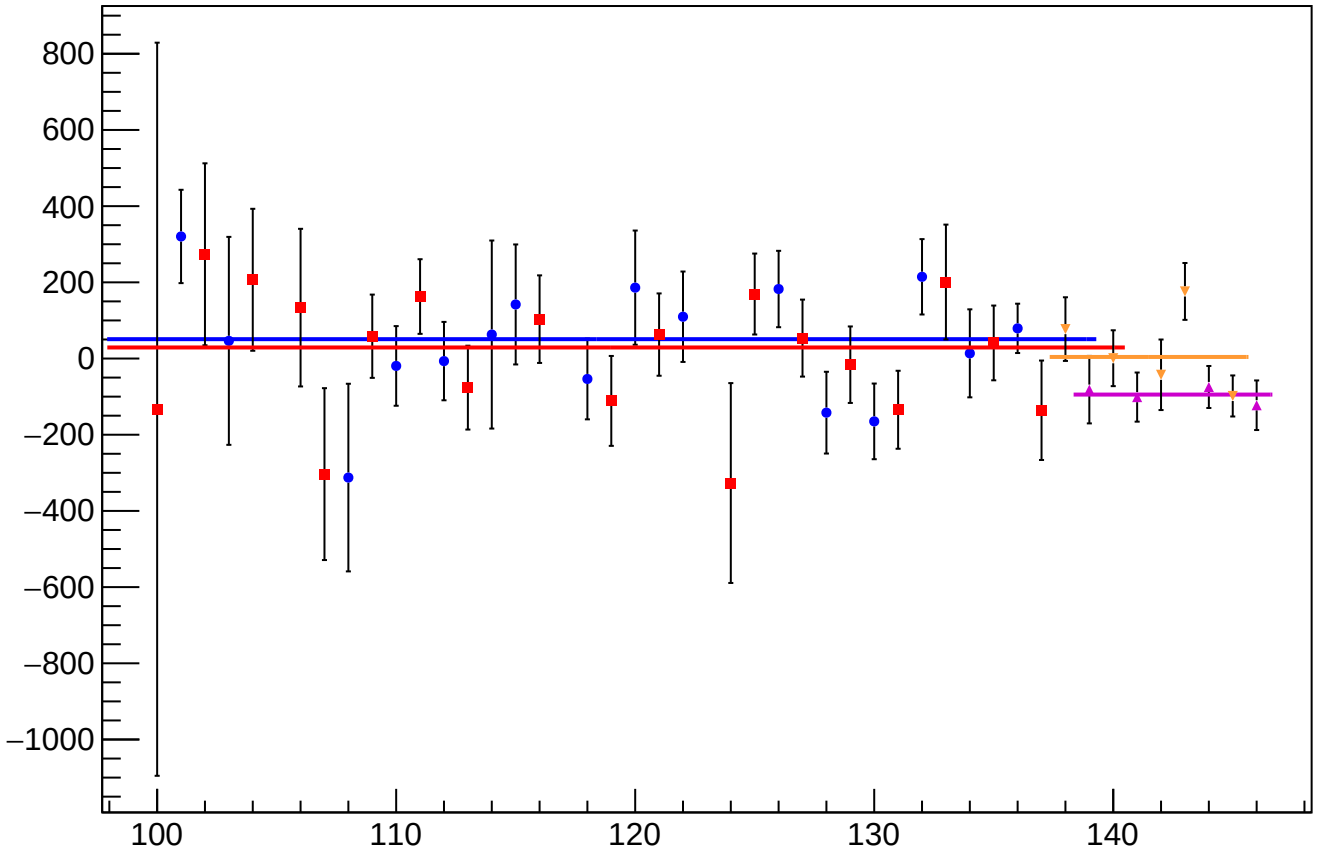
Left: 228.858+/-0.065 χ^2/NDF: 1786553.2/8

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 314.201+/-0.079 χ^2/NDF:5351059.2/19

Out: 328.402+/-0.080 χ^2/NDF:5482611.4/23

All: 321.212+/-0.057 χ^2/NDF: 10849449.9/43



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 4.139+/-32.109 χ^2/NDF:9.9/4

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -94.596+/-32.736 χ^2/NDF:0.3/3

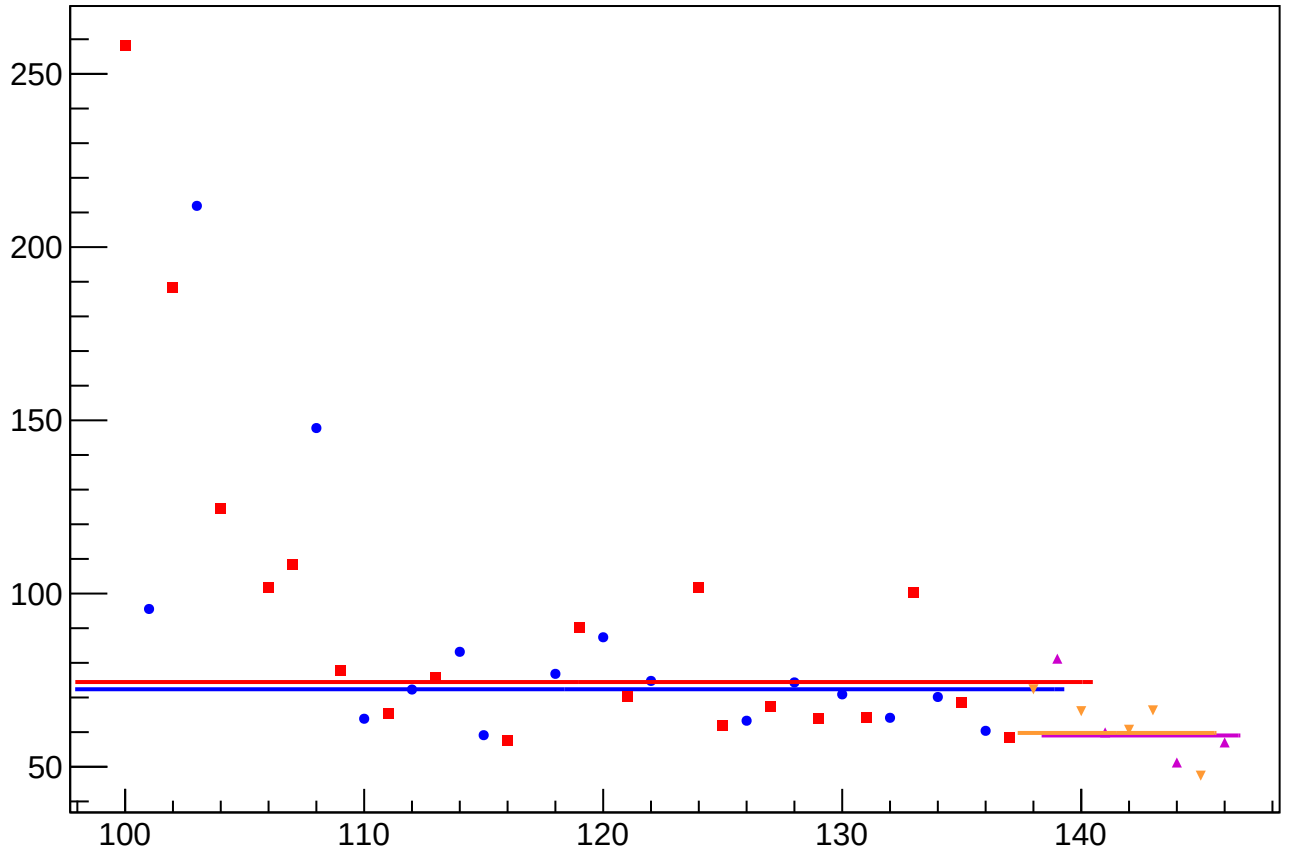
Left: -44.273+/-22.923 χ^2/NDF: 14.9/8

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -11.404+/-21.416 χ^2/NDF:34.5/19

Out: 17.890+/-21.484 χ^2/NDF:28.8/23

All: 3.196+/-15.168 χ^2/NDF: 64.2/43



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 59.766+/-0.023 χ^2/NDF:180283.9/4

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 59.040+/-0.023 χ^2/NDF:167626.8/3

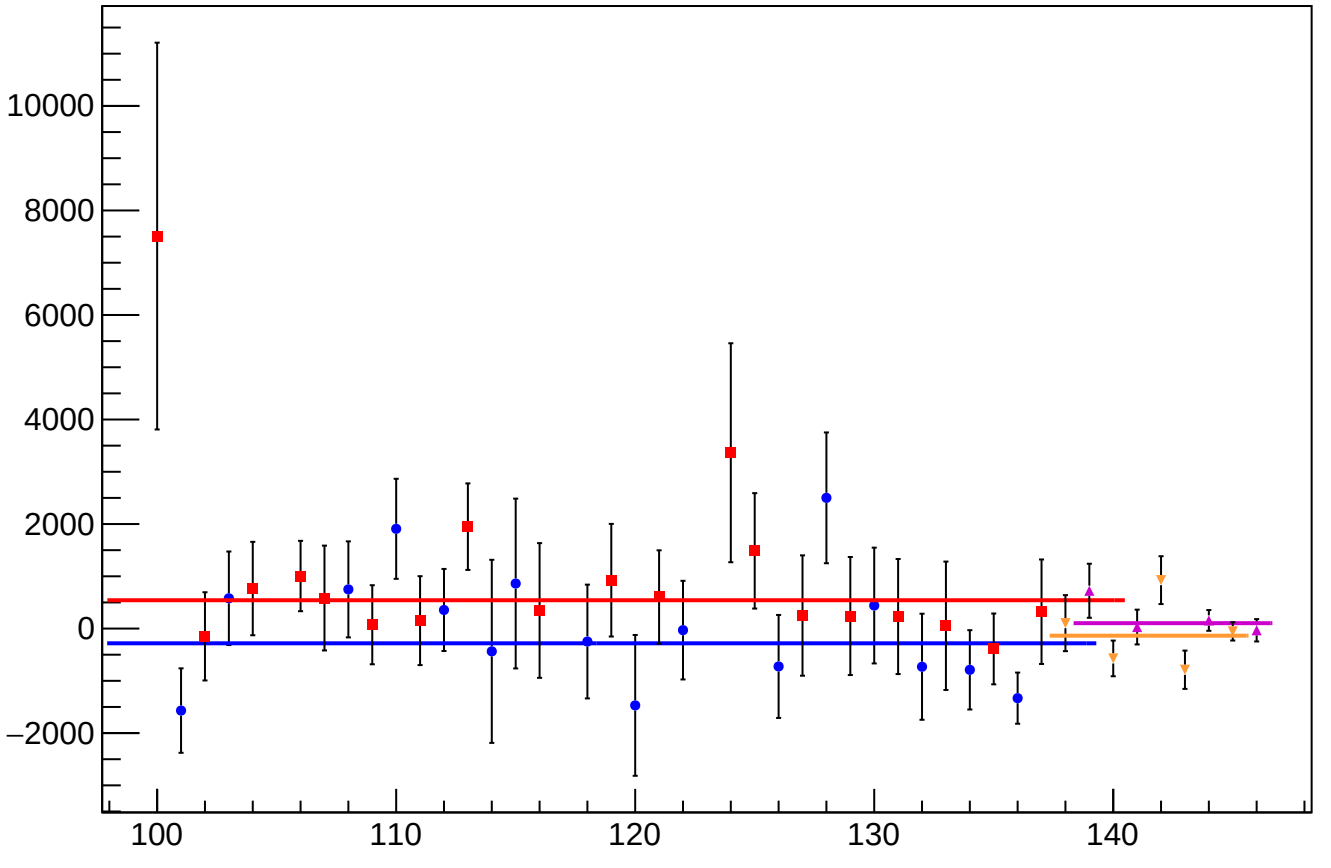
Left: 59.410+/-0.016 χ^2/NDF: 348412.2/8

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 66.669+/-0.015 χ^2/NDF:1295723.1/19

Out: 67.883+/-0.015 χ^2/NDF:1464016.6/23

All: 67.274+/-0.011 χ^2/NDF: 2762941.2/43



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -136.134+/-132.713 χ^2/NDF:10.6/4

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 103.341+/-129.136 χ^2/NDF:2.0/3

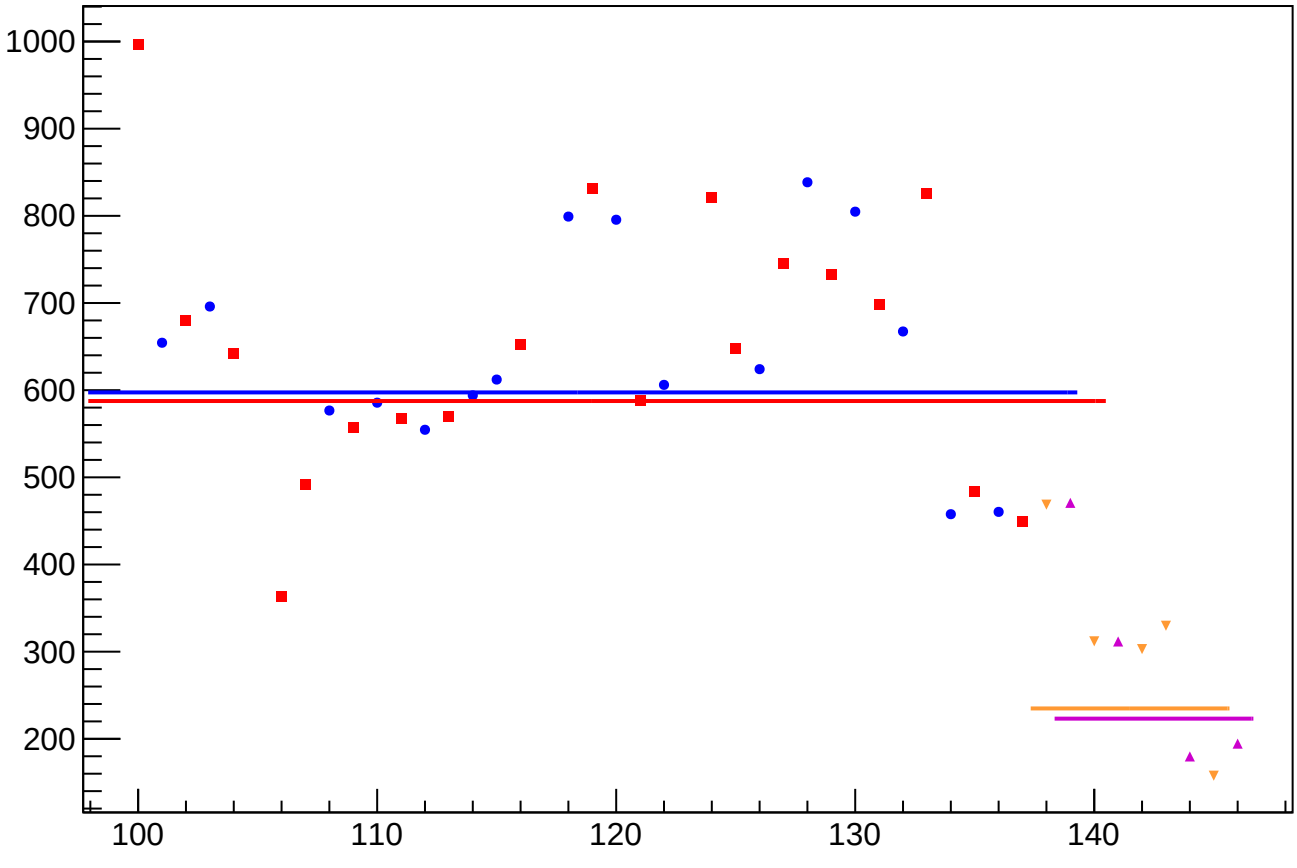
Left: -13.126+/-92.552 χ^2/NDF: 14.2/8

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 9.610+/-112.339 χ^2/NDF:26.9/19

Out: 43.719+/-113.762 χ^2/NDF:30.8/23

All: 26.450+/-79.934 χ^2/NDF: 57.8/43



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 234.863+/-0.094 χ^2/NDF:1047270.3/4

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 223.172+/-0.091 χ^2/NDF:731309.7/3

Left: 228.858+/-0.065 χ^2/NDF: 1786552.4/8

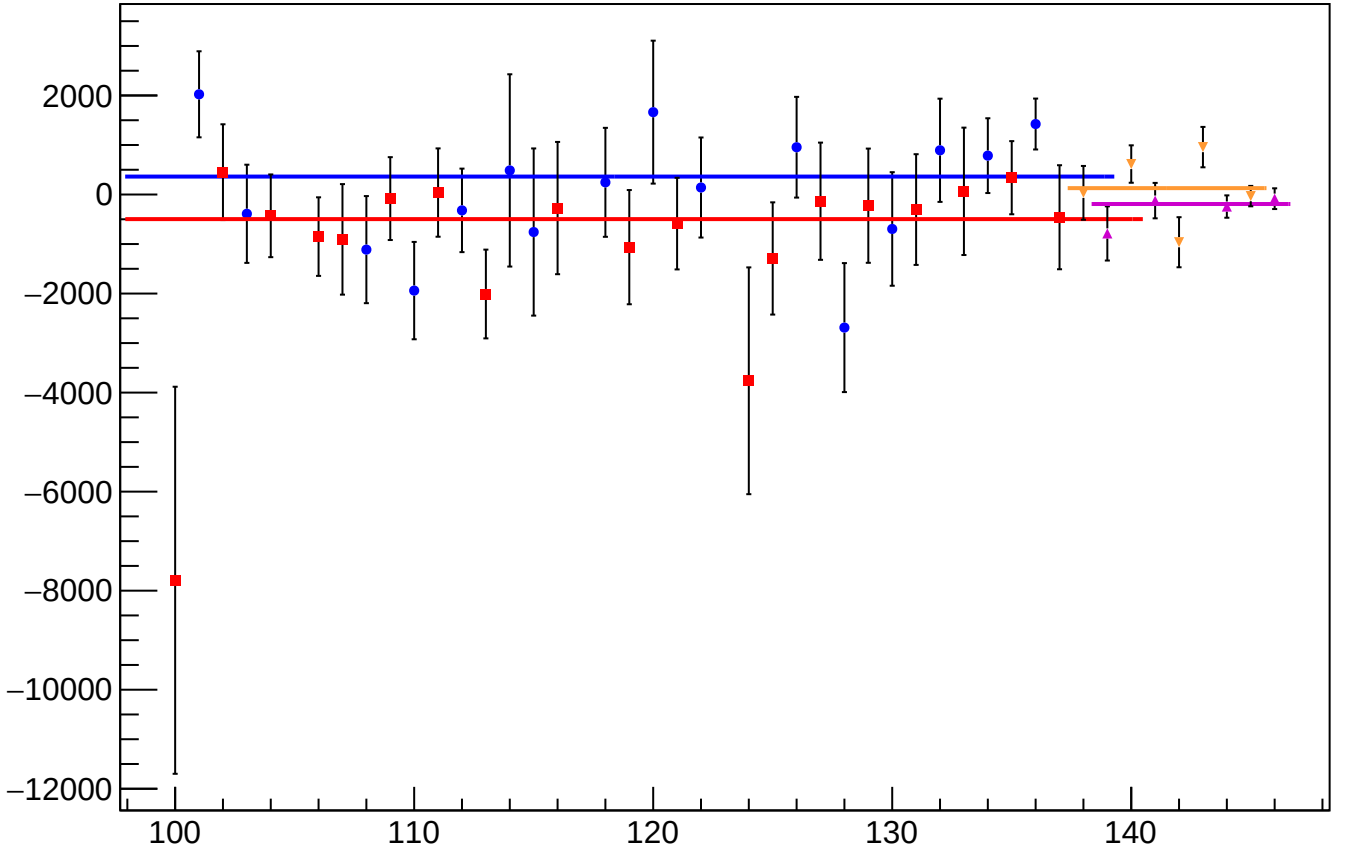
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 314.201+/-0.079 χ^2/NDF:5351064.5/19

Out: 328.402+/-0.080 χ^2/NDF:5482603.1/23

All: 321.212+/-0.057 χ^2/NDF: 10849447.3/43

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 128.791+/-150.964 χ^2/NDF:11.1/4

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -191.682+/-136.643 χ^2/NDF:1.5/3

Left: -47.363+/-101.307 χ^2/NDF: 15.1/8

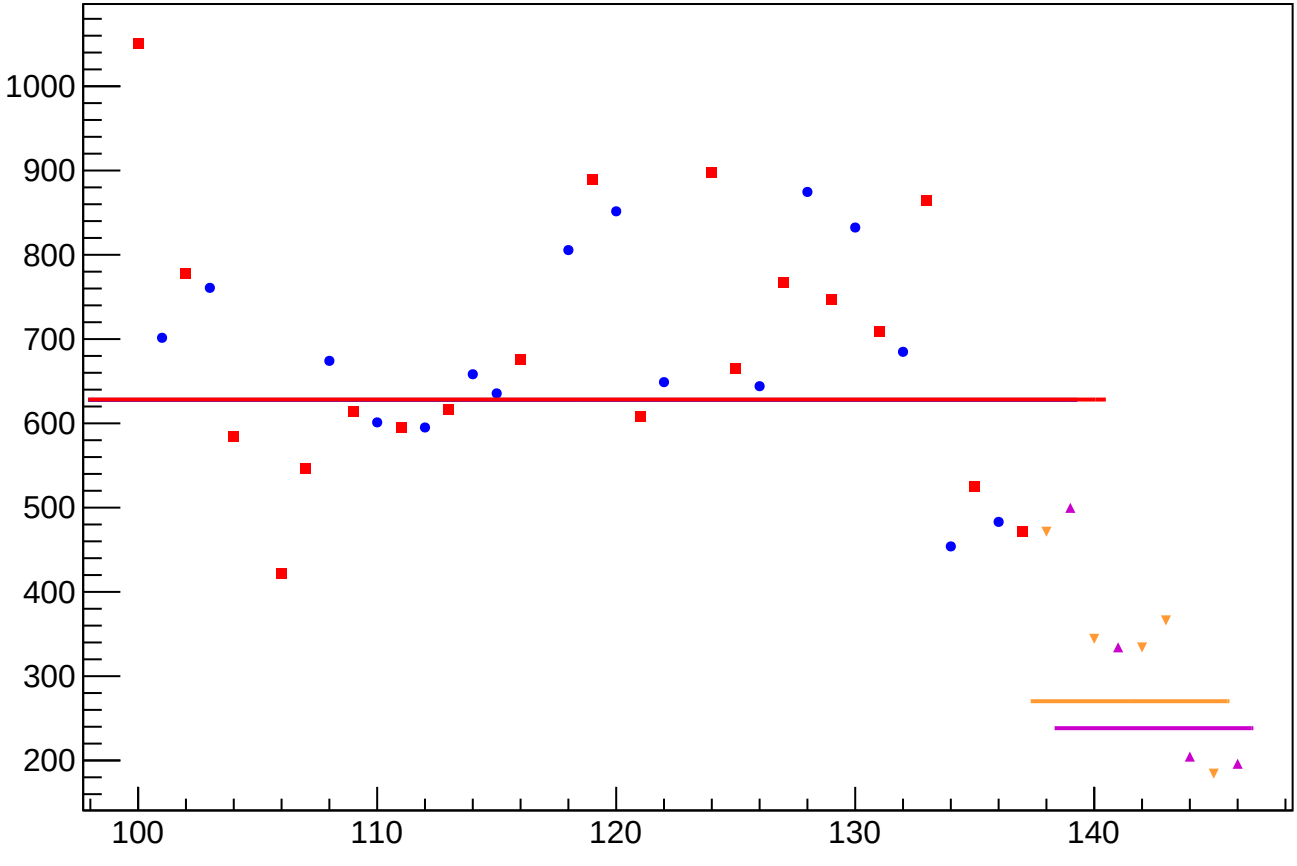
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -56.304+/-118.782 χ^2/NDF:30.6/19

Out: -52.784+/-127.176 χ^2/NDF:28.8/23

All: -54.664+/-86.807 χ^2/NDF: 59.4/43

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 270.298+/-0.107 χ^2/NDF:841856.8/4

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 238.299+/-0.097 χ^2/NDF:726448.2/3

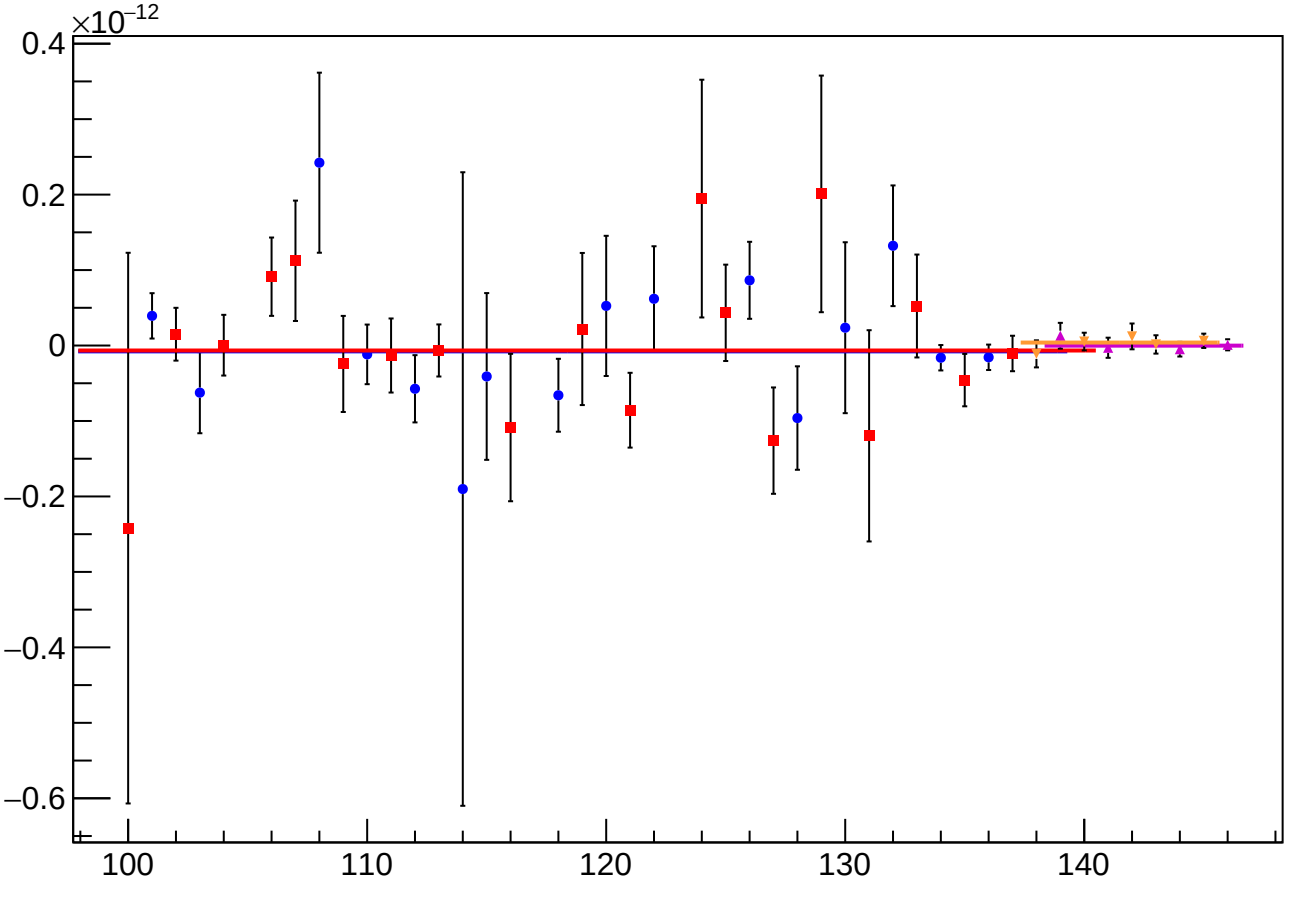
Left: 252.709+/-0.072 χ^2/NDF: 1617695.2/8

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 333.491+/-0.084 χ^2/NDF:5265809.4/19

Out: 374.219+/-0.090 χ^2/NDF:4677303.5/23

All: 352.467+/-0.061 χ^2/NDF: 10052660.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/3

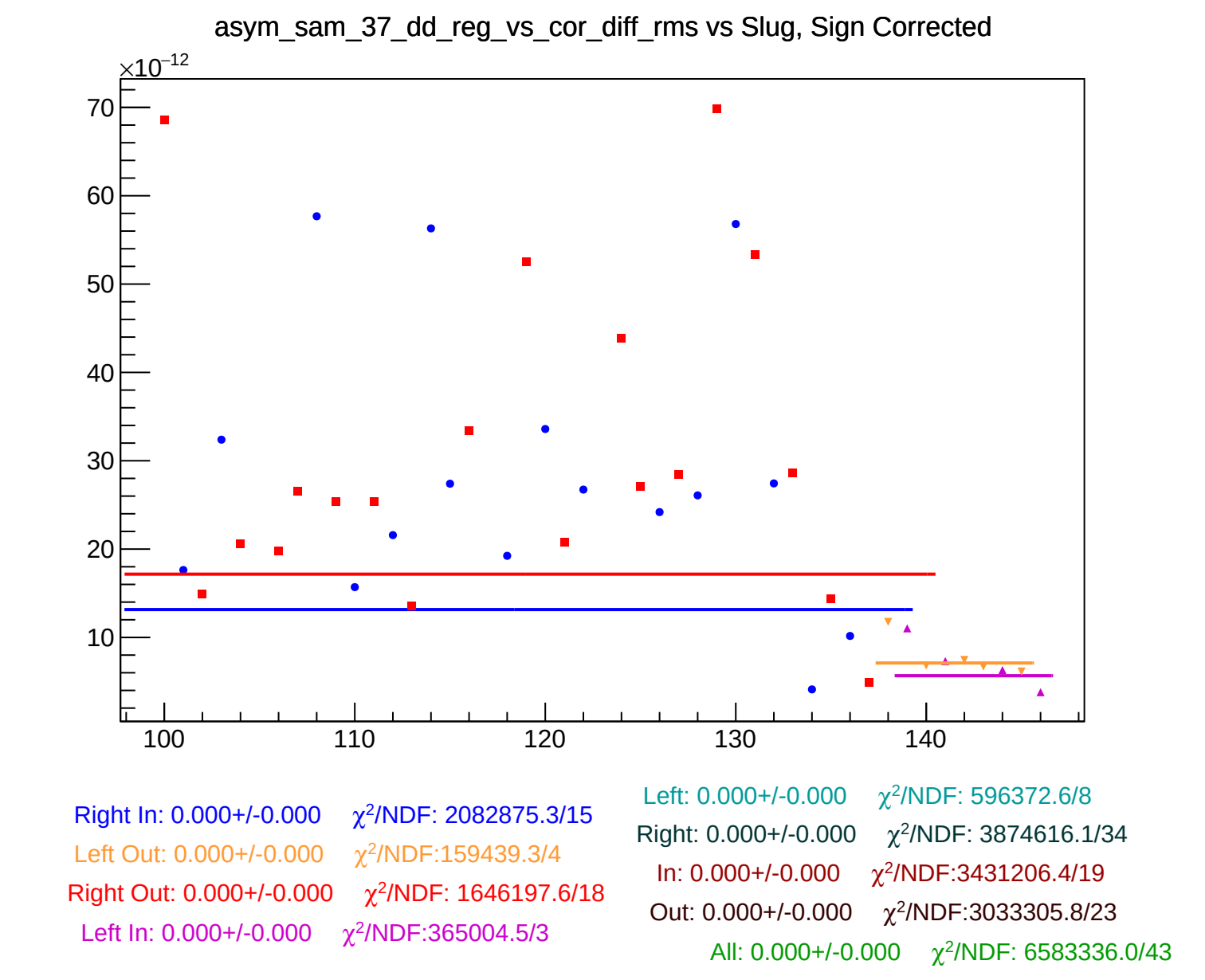
Left: 0.000+/-0.000 χ^2/NDF: 2.2/8

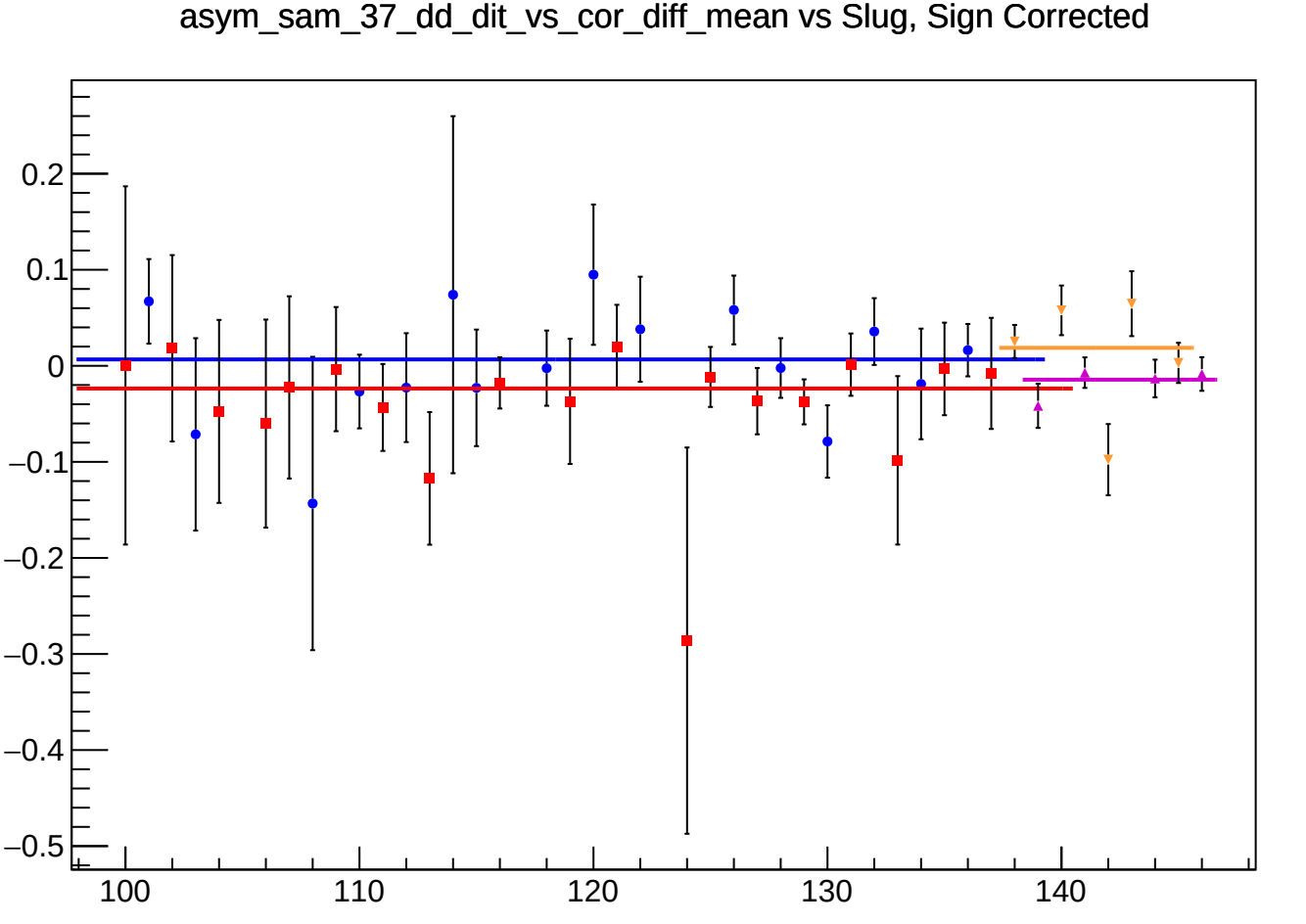
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:22.4/19

Out: 0.000+/-0.000 χ^2/NDF:21.7/23

All: -0.000+/-0.000 χ^2/NDF: 44.4/43


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
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:159439.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:365004.5/3
Left: 0.000+/-0.000 χ²/NDF: 596372.6/8
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3431206.4/19
Out: 0.000+/-0.000 χ²/NDF:3033305.8/23
All: 0.000+/-0.000 χ²/NDF: 6583336.0/43



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.011 χ^2/NDF:14.7/4

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.7/3

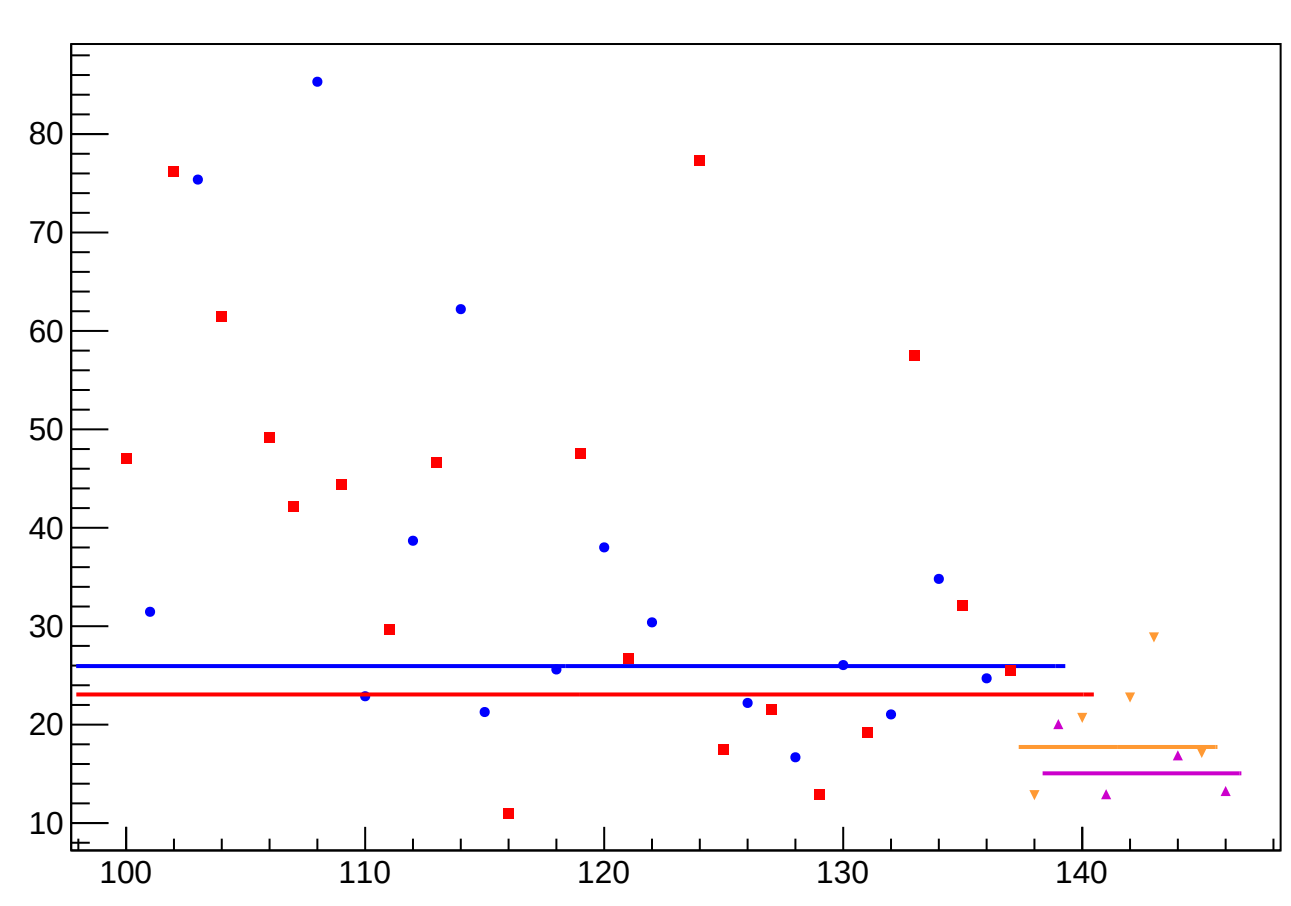
Left: -0.000+/-0.007 χ^2/NDF: 21.9/8

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/19

Out: -0.003+/-0.007 χ^2/NDF:30.2/23

All: -0.004+/-0.005 χ^2/NDF: 49.2/43



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 17.730+/-0.008 χ^2/NDF:442713.5/4

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.052+/-0.007 χ^2/NDF:168542.8/3

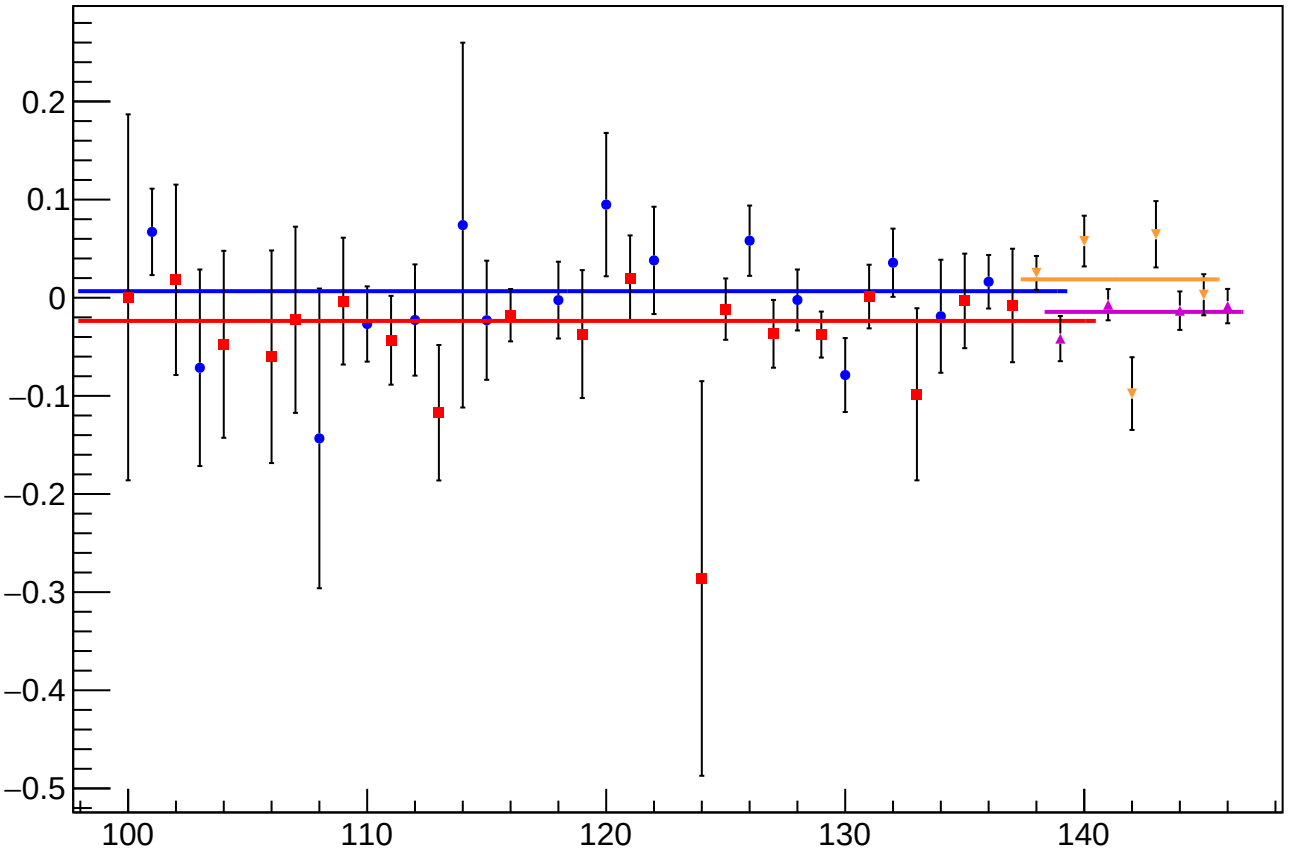
Left: 16.197+/-0.005 χ^2/NDF: 683066.8/8

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 19.514+/-0.005 χ^2/NDF:2688457.9/19

Out: 20.446+/-0.005 χ^2/NDF:4056965.1/23

All: 19.955+/-0.004 χ^2/NDF: 6761698.3/43



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.011 χ^2/NDF:14.7/4

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.7/3

Left: -0.000+/-0.007 χ^2/NDF: 21.9/8

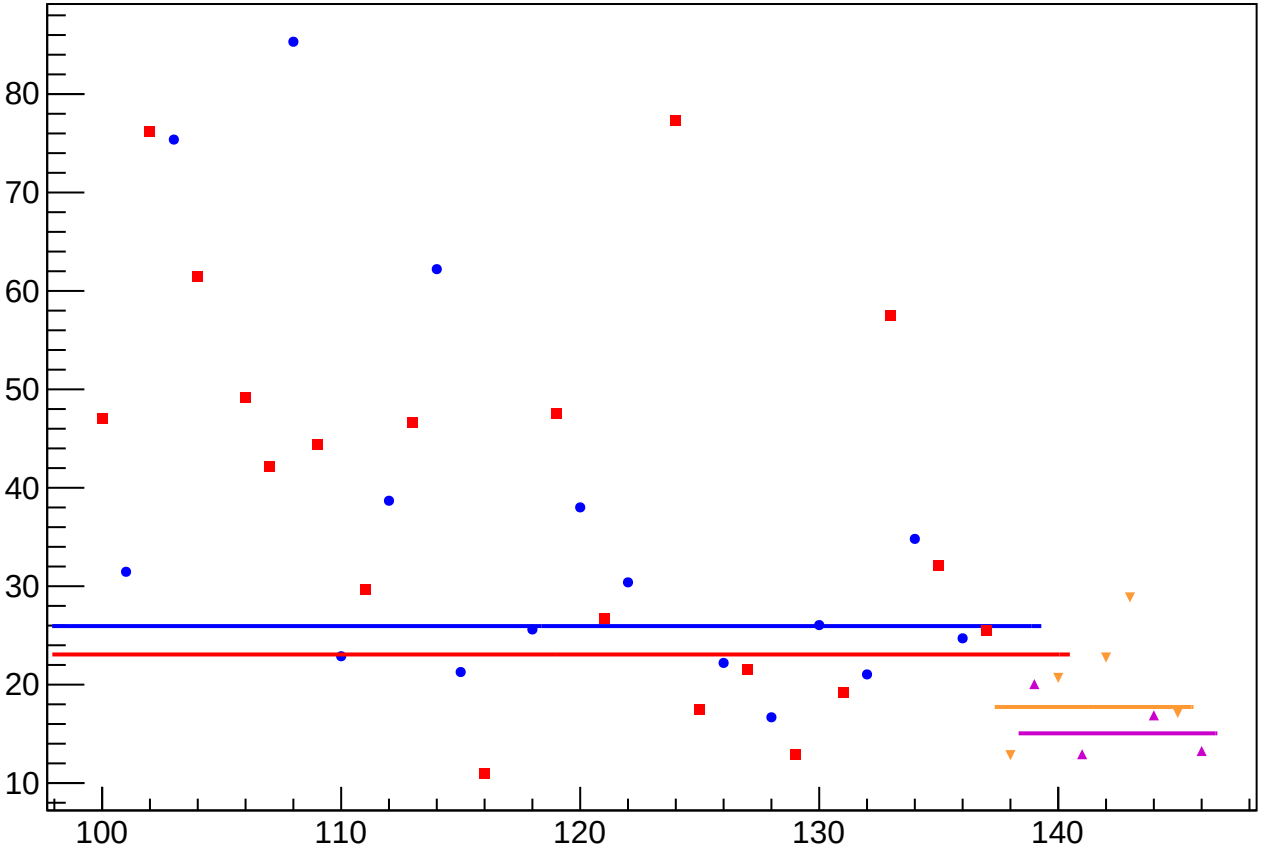
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/19

Out: -0.003+/-0.007 χ^2/NDF:30.2/23

All: -0.004+/-0.005 χ^2/NDF: 49.2/43

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: 17.730+/-0.008 χ^2/NDF:442713.5/4

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.052+/-0.007 χ^2/NDF:168542.8/3

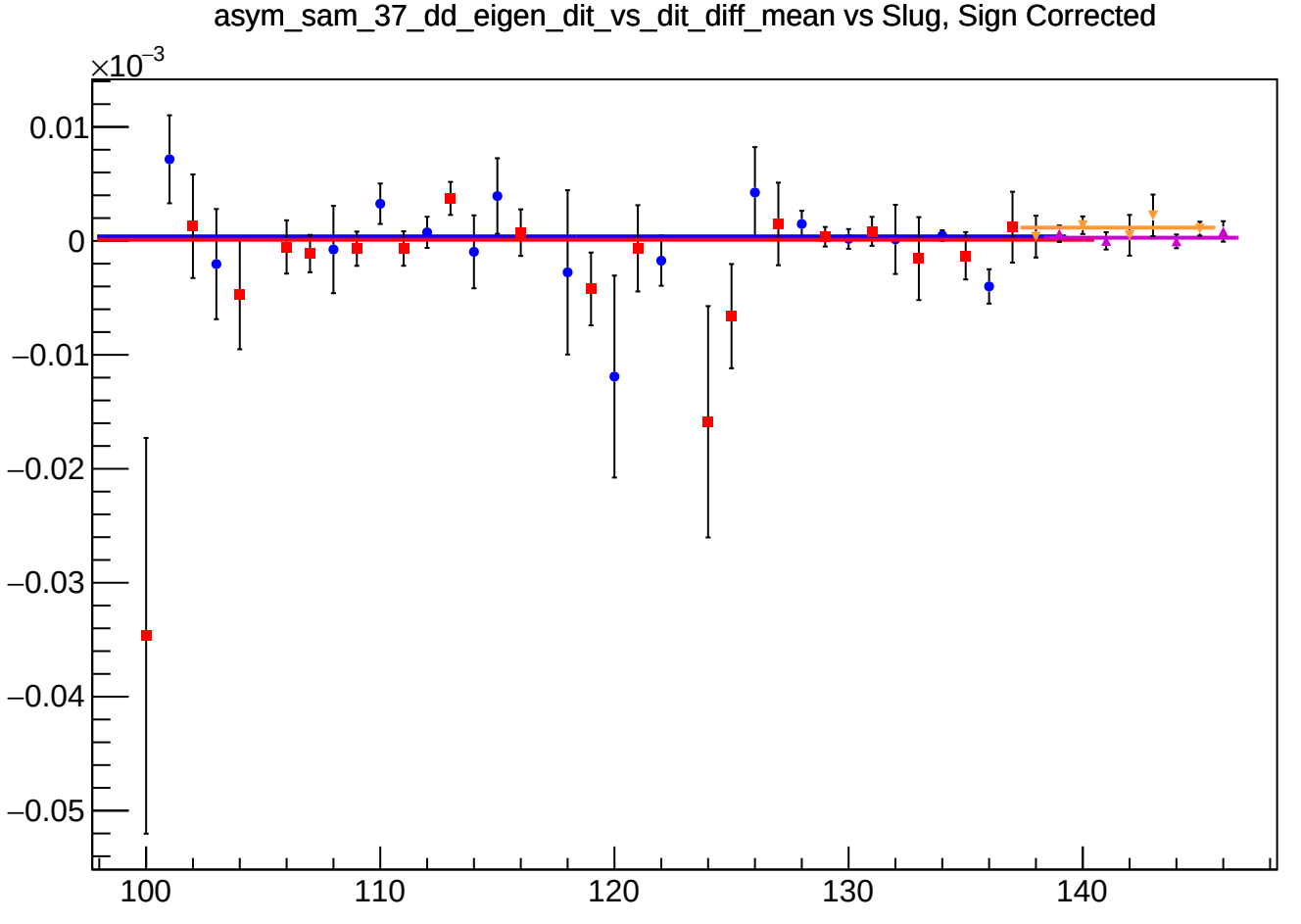
Left: 16.197+/-0.005 χ^2/NDF: 683066.8/8

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 19.514+/-0.005 χ^2/NDF:2688457.9/19

Out: 20.446+/-0.005 χ^2/NDF:4056965.1/23

All: 19.955+/-0.004 χ^2/NDF: 6761698.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

Left: 0.000+/-0.000 χ^2/NDF: 4.2/8

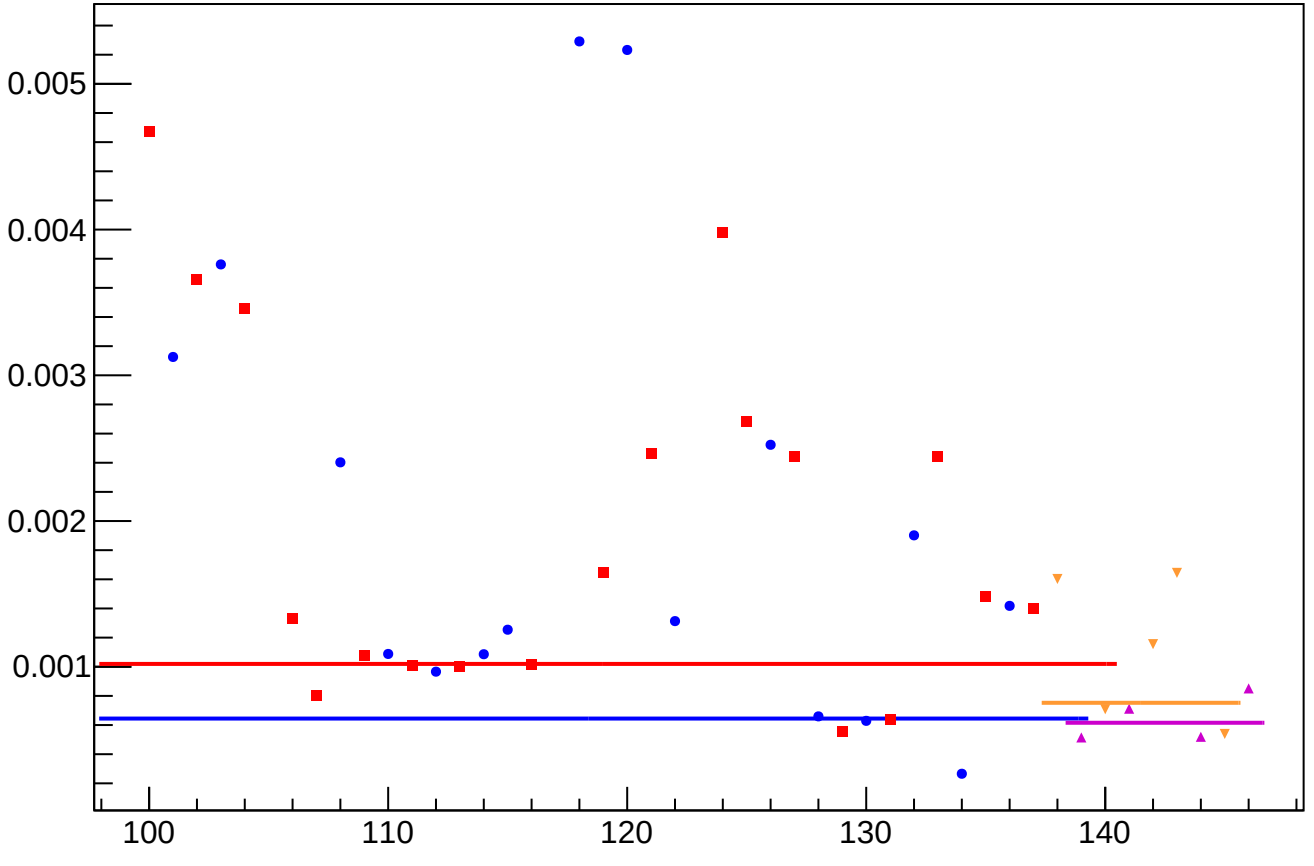
Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:21.9/19

Out: 0.000+/-0.000 χ^2/NDF:24.1/23

All: 0.000+/-0.000 χ^2/NDF: 46.6/43

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1258264.4/4

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:260416.3/3

Left: 0.001+/-0.000 χ^2/NDF: 1635794.4/8

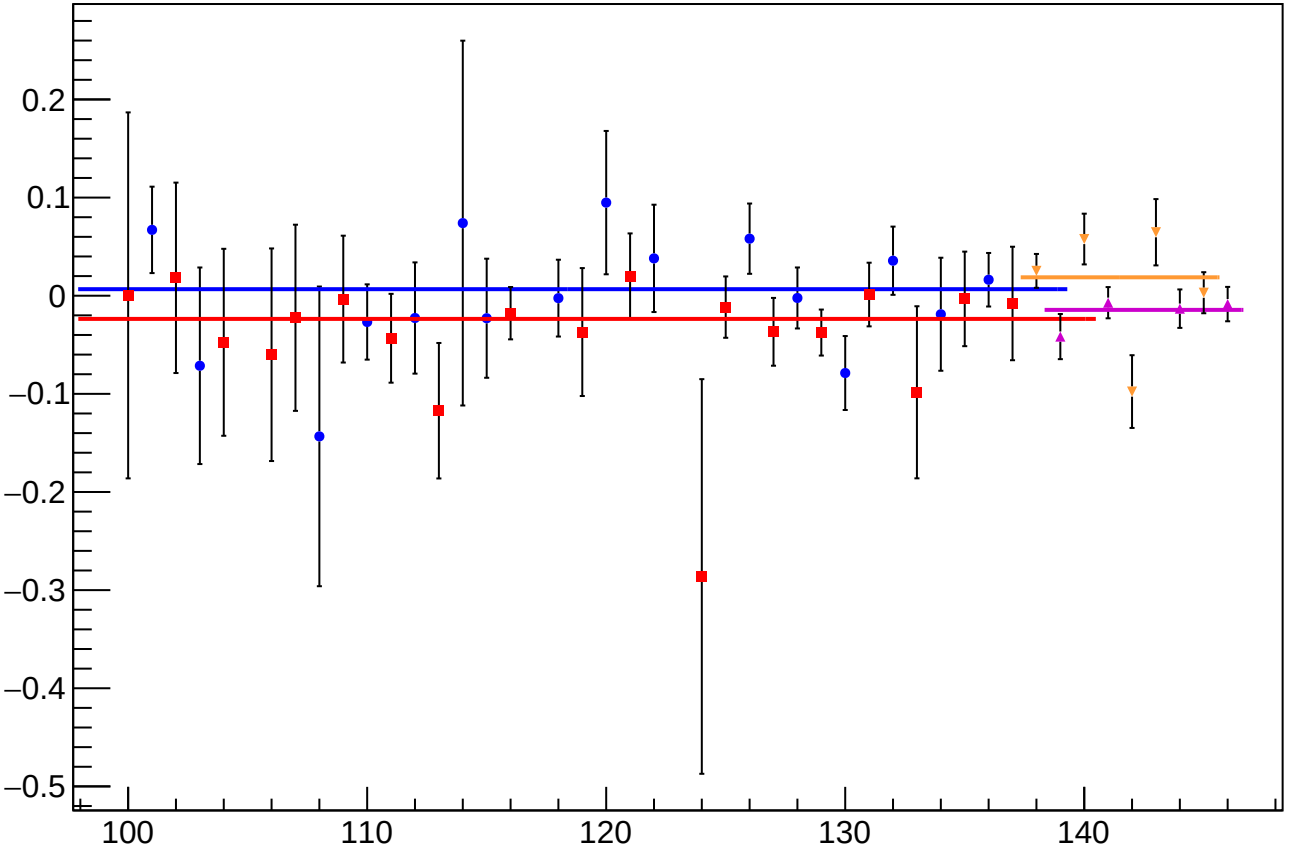
Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:6842839.7/19

Out: 0.001+/-0.000 χ^2/NDF:5283088.6/23

All: 0.001+/-0.000 χ^2/NDF: 12915814.5/43

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.011 χ^2/NDF:14.7/4

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.7/3

Left: -0.000+/-0.007 χ^2/NDF: 21.9/8

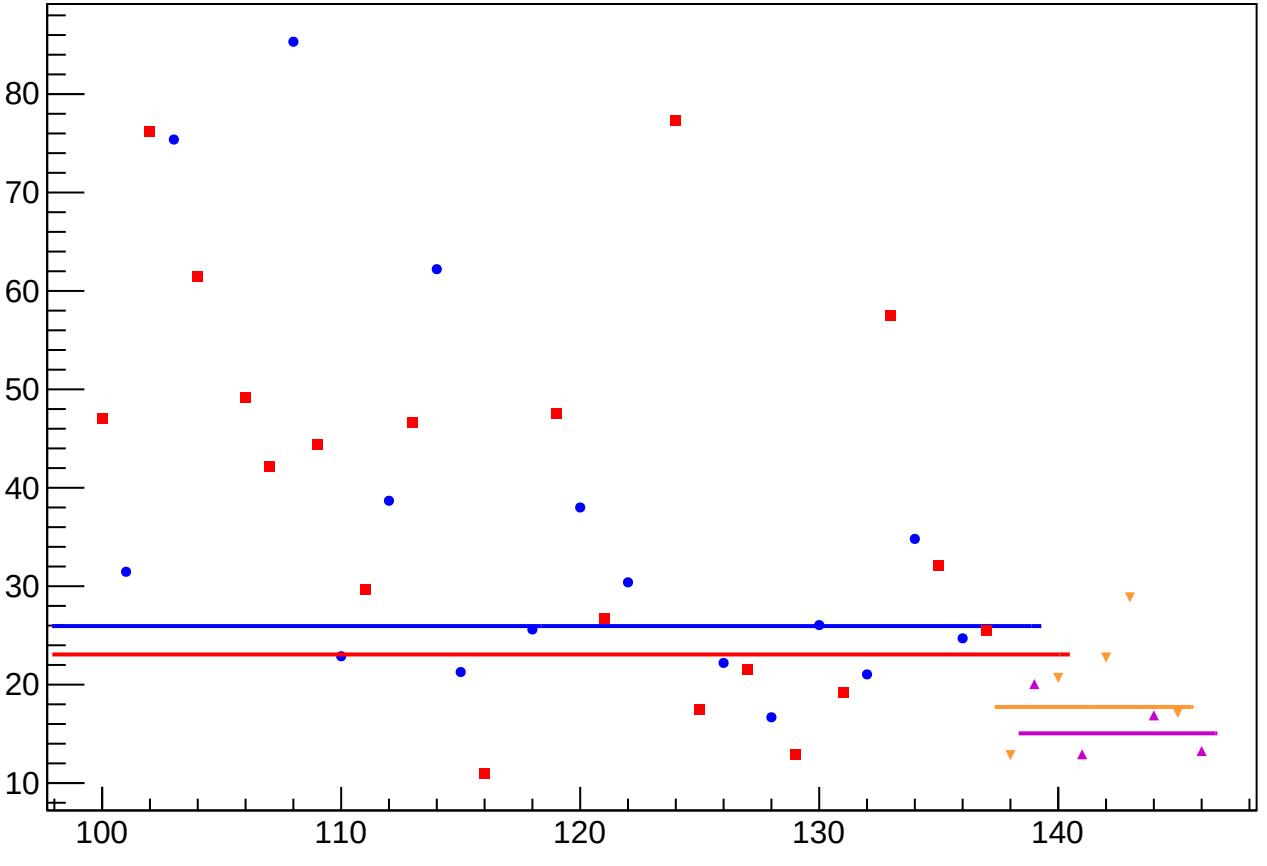
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/19

Out: -0.003+/-0.007 χ^2/NDF:30.2/23

All: -0.004+/-0.005 χ^2/NDF: 49.2/43

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: 17.731+/-0.008 χ^2/NDF:442703.9/4

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.052+/-0.007 χ^2/NDF:168504.9/3

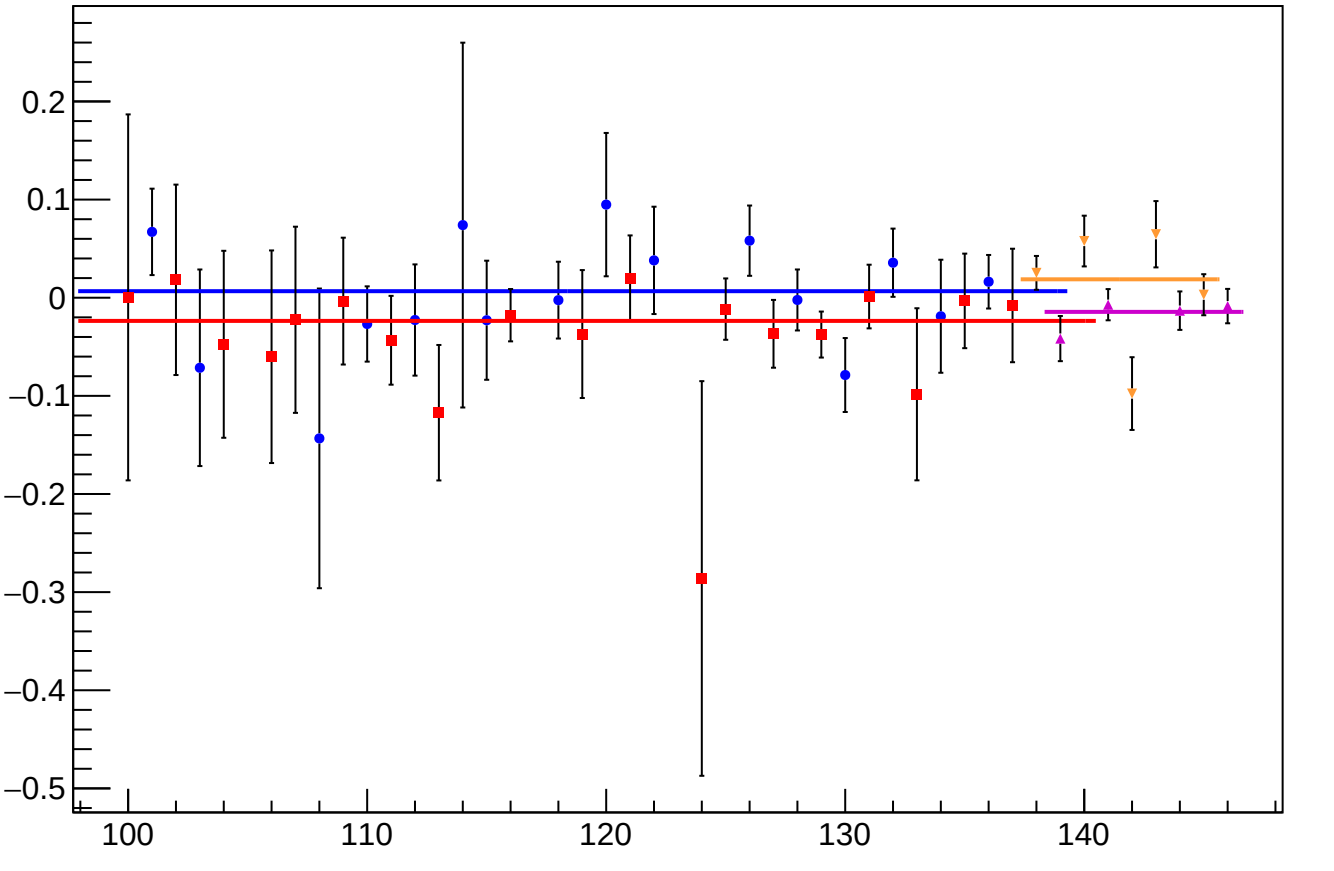
Left: 16.198+/-0.005 χ^2/NDF: 683036.9/8

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 19.515+/-0.005 χ^2/NDF:2688426.1/19

Out: 20.446+/-0.005 χ^2/NDF:4056790.2/23

All: 19.956+/-0.004 χ^2/NDF: 6761503.0/43



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.011 χ^2/NDF:14.7/4

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.7/3

Left: -0.000+/-0.007 χ^2/NDF: 21.9/8

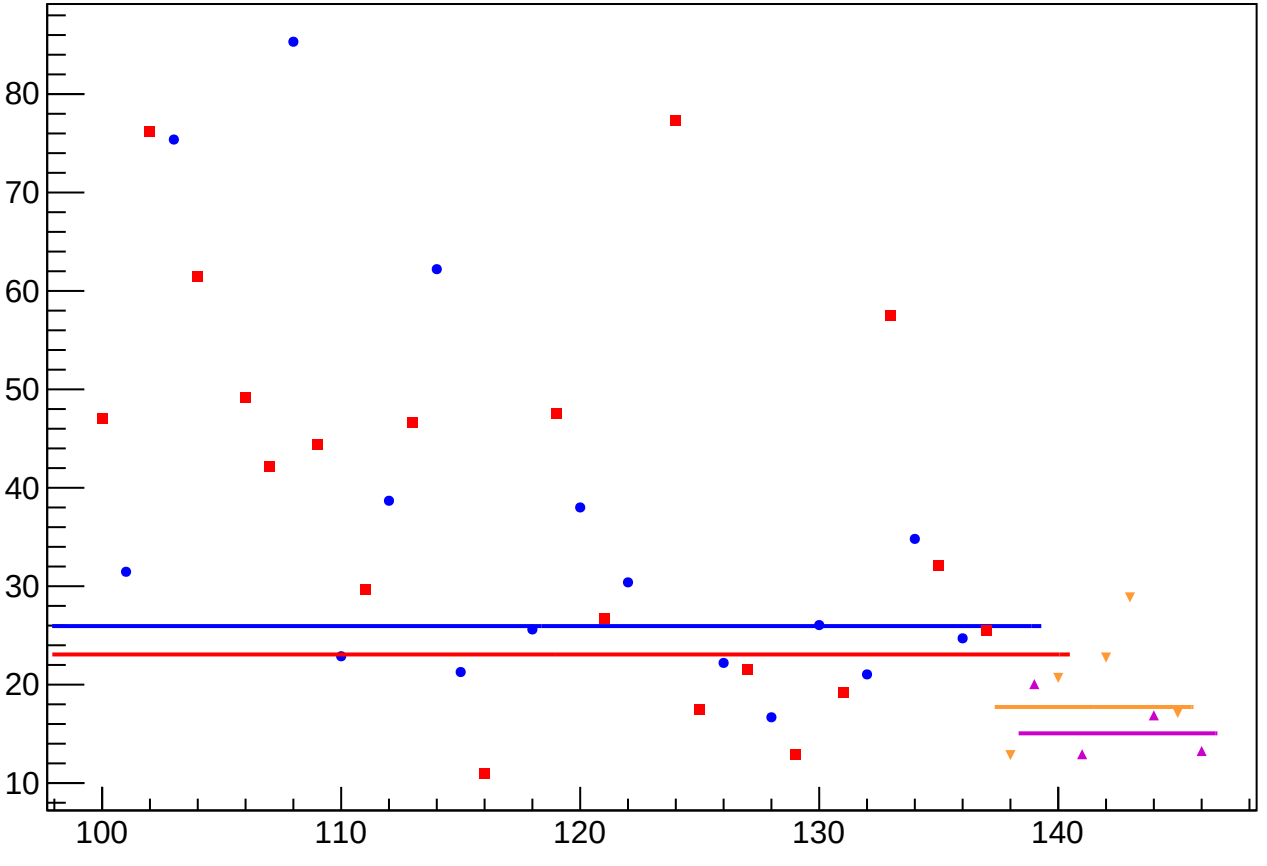
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/19

Out: -0.003+/-0.007 χ^2/NDF:30.2/23

All: -0.004+/-0.005 χ^2/NDF: 49.2/43

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: 17.731+/-0.008 χ^2/NDF:442703.9/4

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.052+/-0.007 χ^2/NDF:168504.9/3

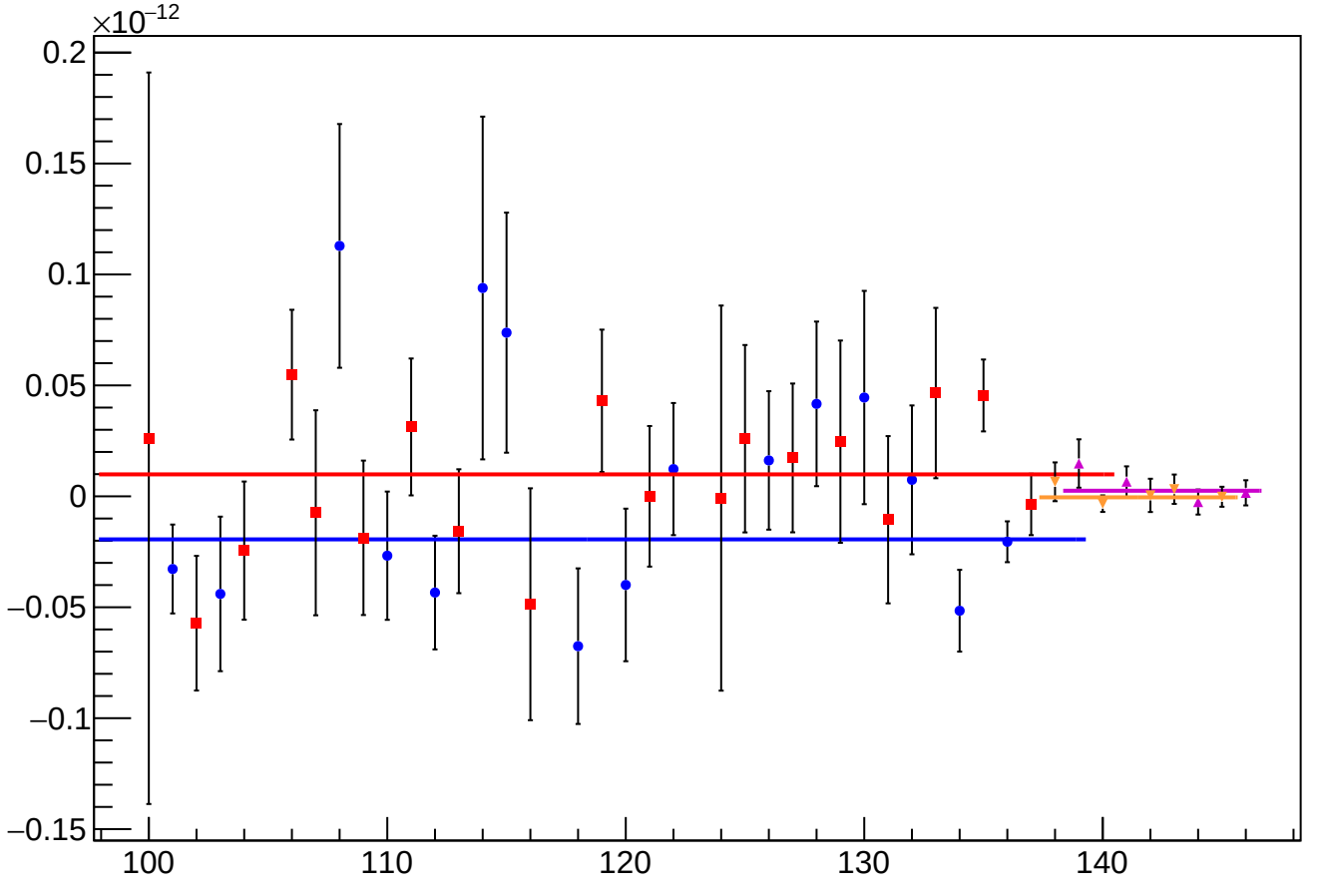
Left: 16.198+/-0.005 χ^2/NDF: 683036.9/8

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 19.515+/-0.005 χ^2/NDF:2688426.1/19

Out: 20.446+/-0.005 χ^2/NDF:4056790.2/23

All: 19.956+/-0.004 χ^2/NDF: 6761503.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

Left: 0.000+/-0.000 χ^2/NDF: 4.5/8

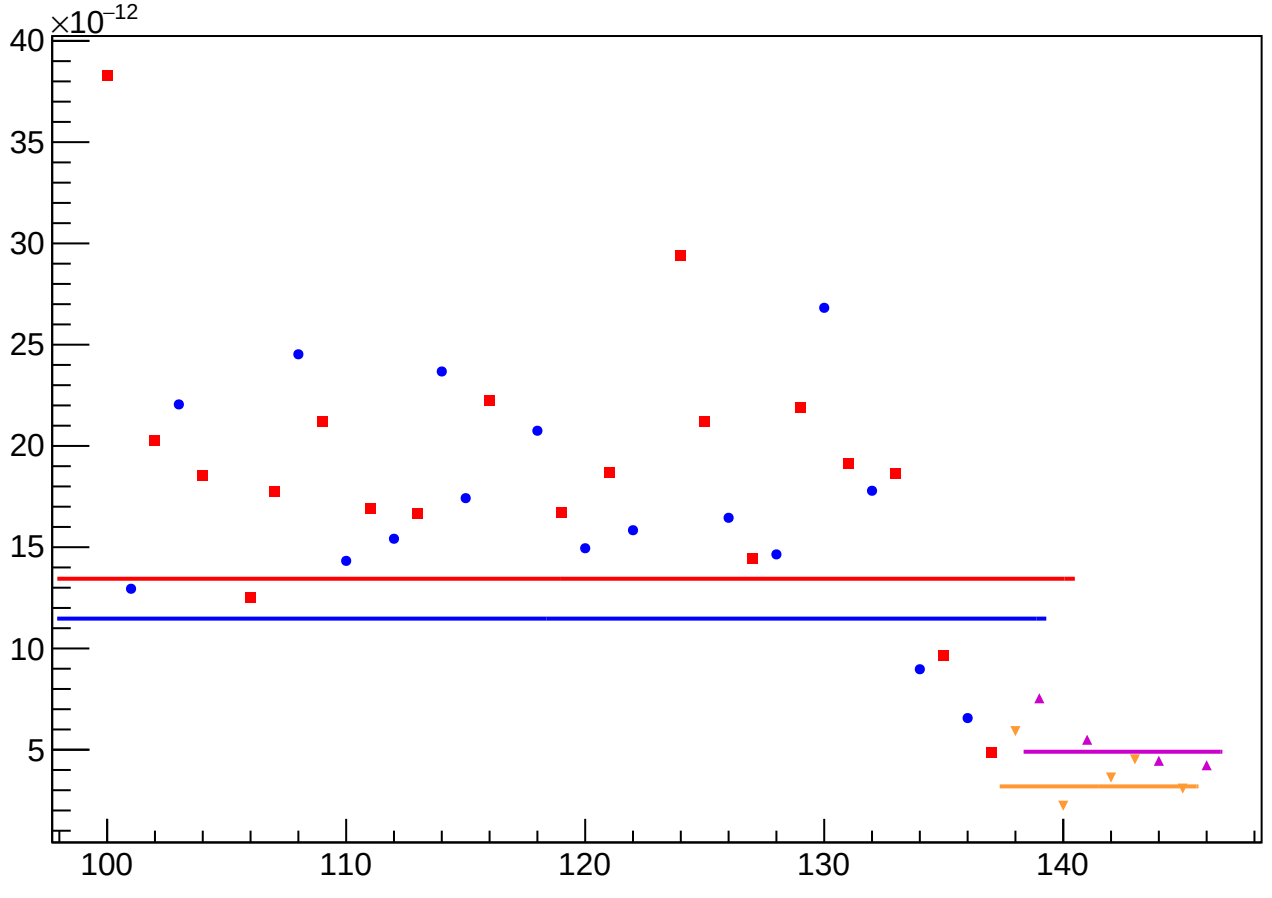
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:38.3/19

Out: 0.000+/-0.000 χ^2/NDF:24.0/23

All: -0.000+/-0.000 χ^2/NDF: 63.0/43

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:415454.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:172038.3/3

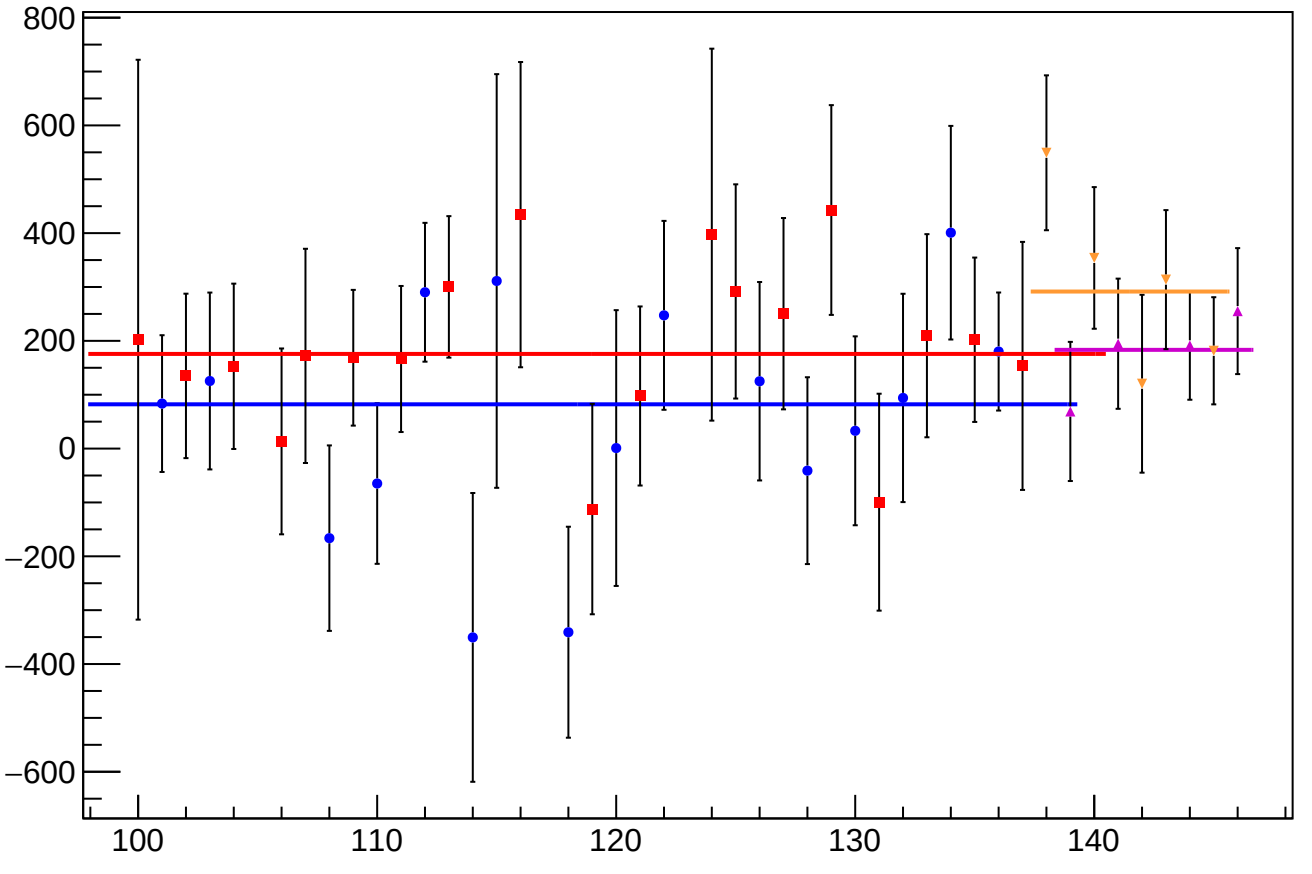
Left: 0.000+/-0.000 χ^2/NDF: 940273.2/8

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:3599000.1/19

Out: 0.000+/-0.000 χ^2/NDF:6158836.3/23

All: 0.000+/-0.000 χ^2/NDF: 10406656.1/43



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 291.564+/-57.354 χ^2/NDF:5.8/4

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 183.296+/-57.764 χ^2/NDF:1.2/3

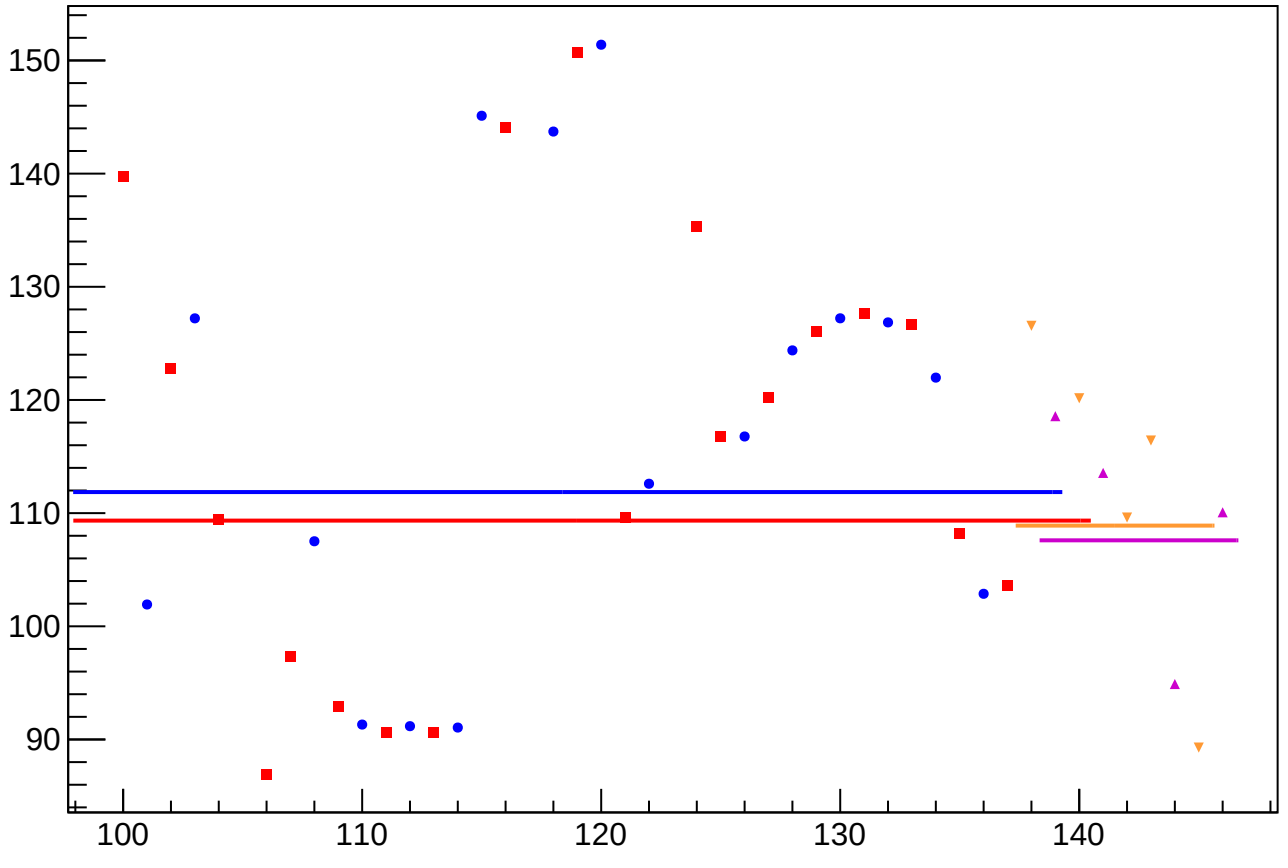
Left: 237.815+/-40.699 χ^2/NDF: 8.7/8

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 117.306+/-34.040 χ^2/NDF:21.5/19

Out: 214.491+/-33.177 χ^2/NDF:18.3/23

All: 167.146+/-23.759 χ^2/NDF: 44.1/43



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 108.898+/-0.041 χ^2/NDF:129391.4/4

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

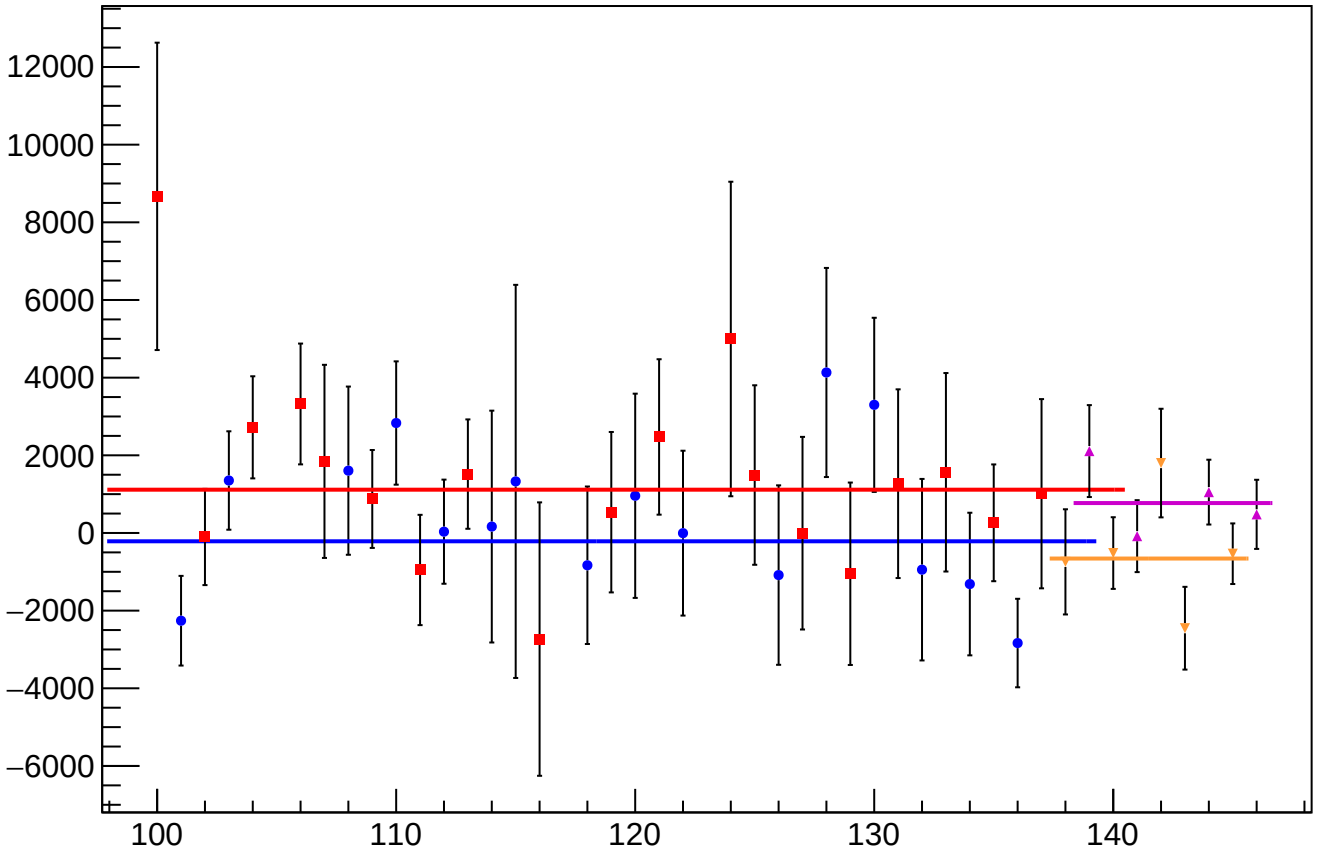
Left: 108.252+/-0.029 χ^2/NDF: 181747.2/8

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 110.381+/-0.024 χ^2/NDF:364985.4/19

Out: 109.192+/-0.023 χ^2/NDF:496690.4/23

All: 109.771+/-0.017 χ^2/NDF: 862926.4/43



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -658.449+/-458.679 χ^2/NDF:6.0/4

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 770.418+/-467.430 χ^2/NDF:2.3/3

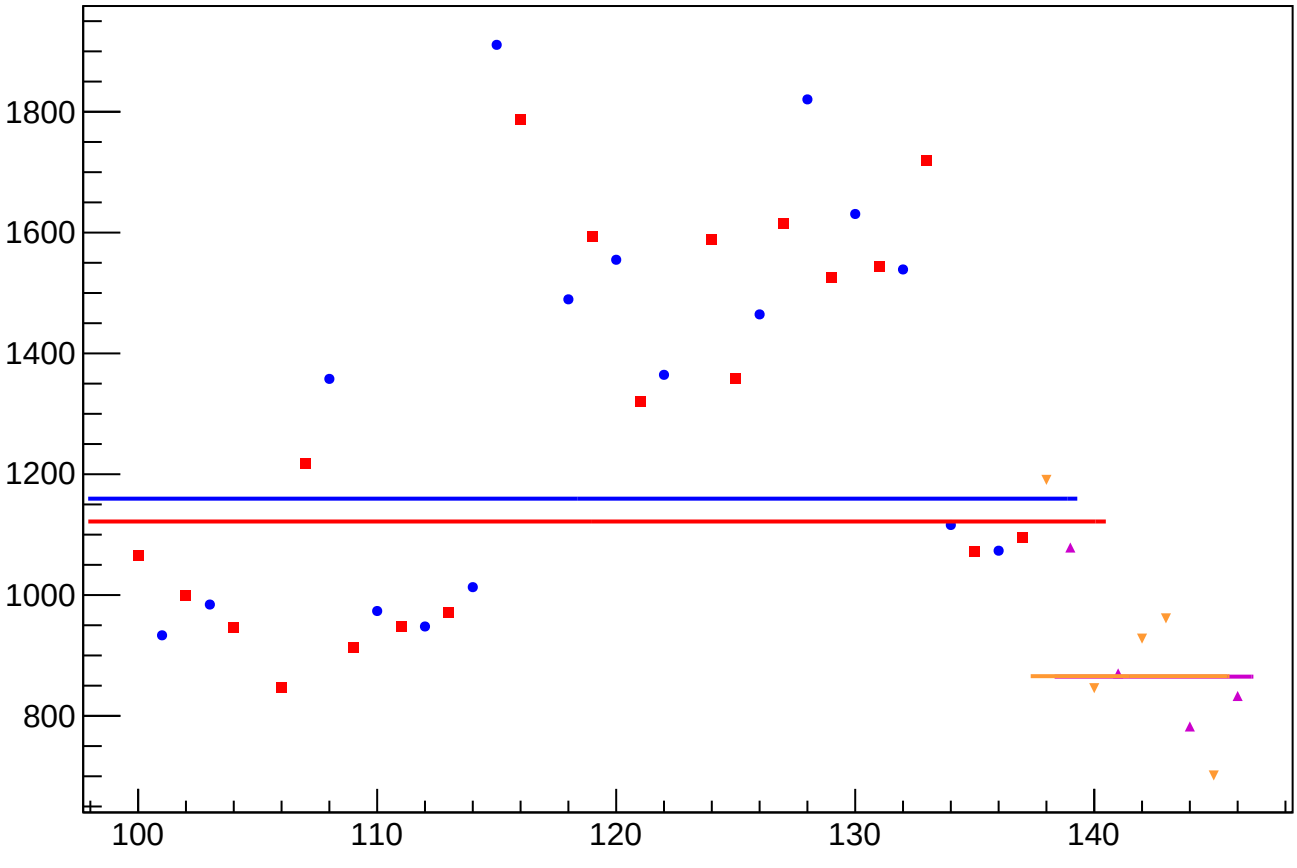
Left: 42.484+/-327.385 χ^2/NDF: 13.1/8

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 252.779+/-321.905 χ^2/NDF:25.1/19

Out: 299.681+/-310.971 χ^2/NDF:28.6/23

All: 277.040+/-223.655 χ^2/NDF: 53.7/43



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 865.707+/-0.324 χ^2/NDF:224839.3/4

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 864.953+/-0.331 χ^2/NDF:87409.8/3

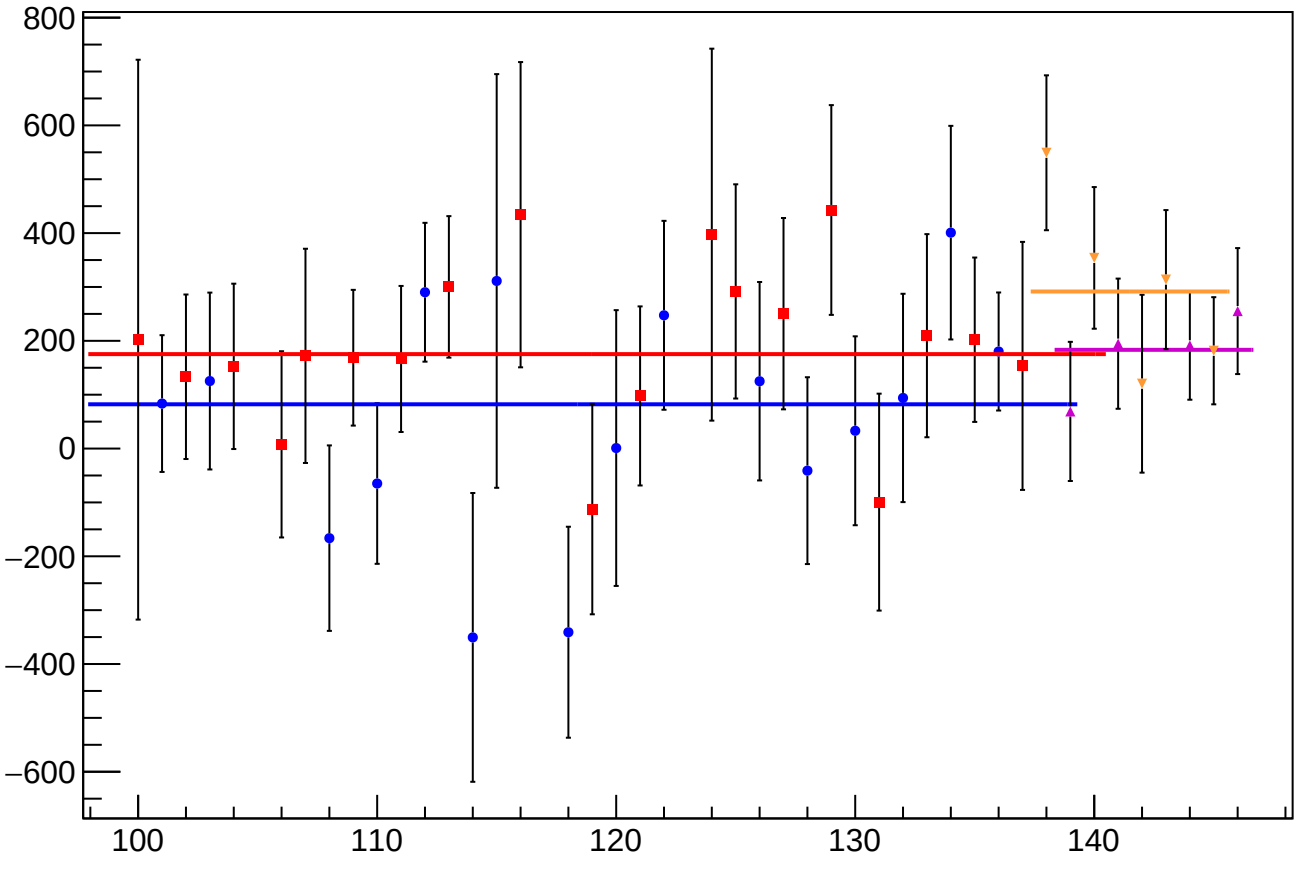
Left: 865.337+/-0.231 χ^2/NDF: 312251.7/8

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1019.841+/-0.228 χ^2/NDF:1188807.1/19

Out: 1004.062+/-0.220 χ^2/NDF:1343874.6/23

All: 1011.679+/-0.158 χ^2/NDF: 2535167.3/43



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 291.578+/-57.354 χ^2/NDF:5.8/4

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 183.309+/-57.764 χ^2/NDF:1.2/3

Left: 237.829+/-40.699 χ^2/NDF: 8.7/8

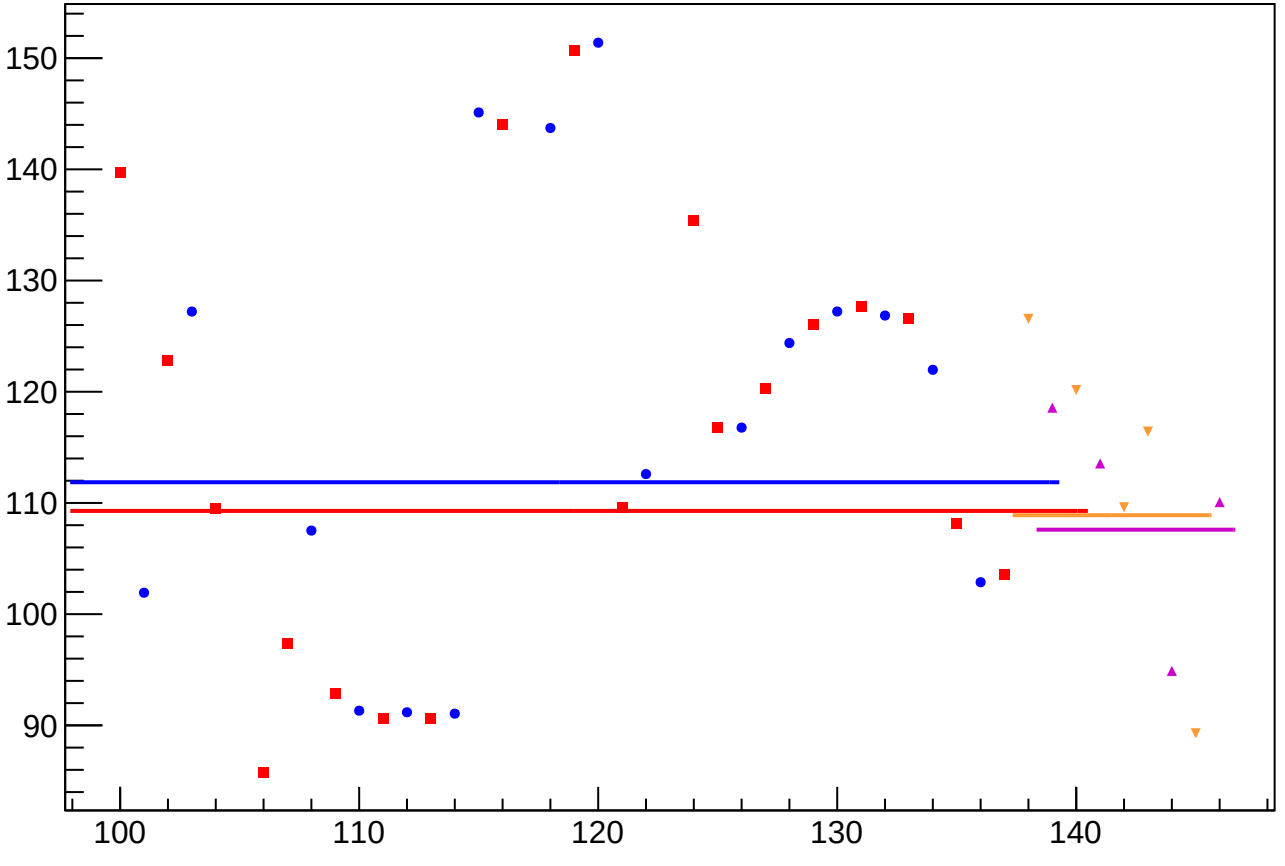
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 117.302+/-34.040 χ^2/NDF:21.6/19

Out: 214.241+/-33.180 χ^2/NDF:18.4/23

All: 167.012+/-23.760 χ^2/NDF: 44.1/43

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 108.898+/-0.041 χ^2/NDF:129391.4/4

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

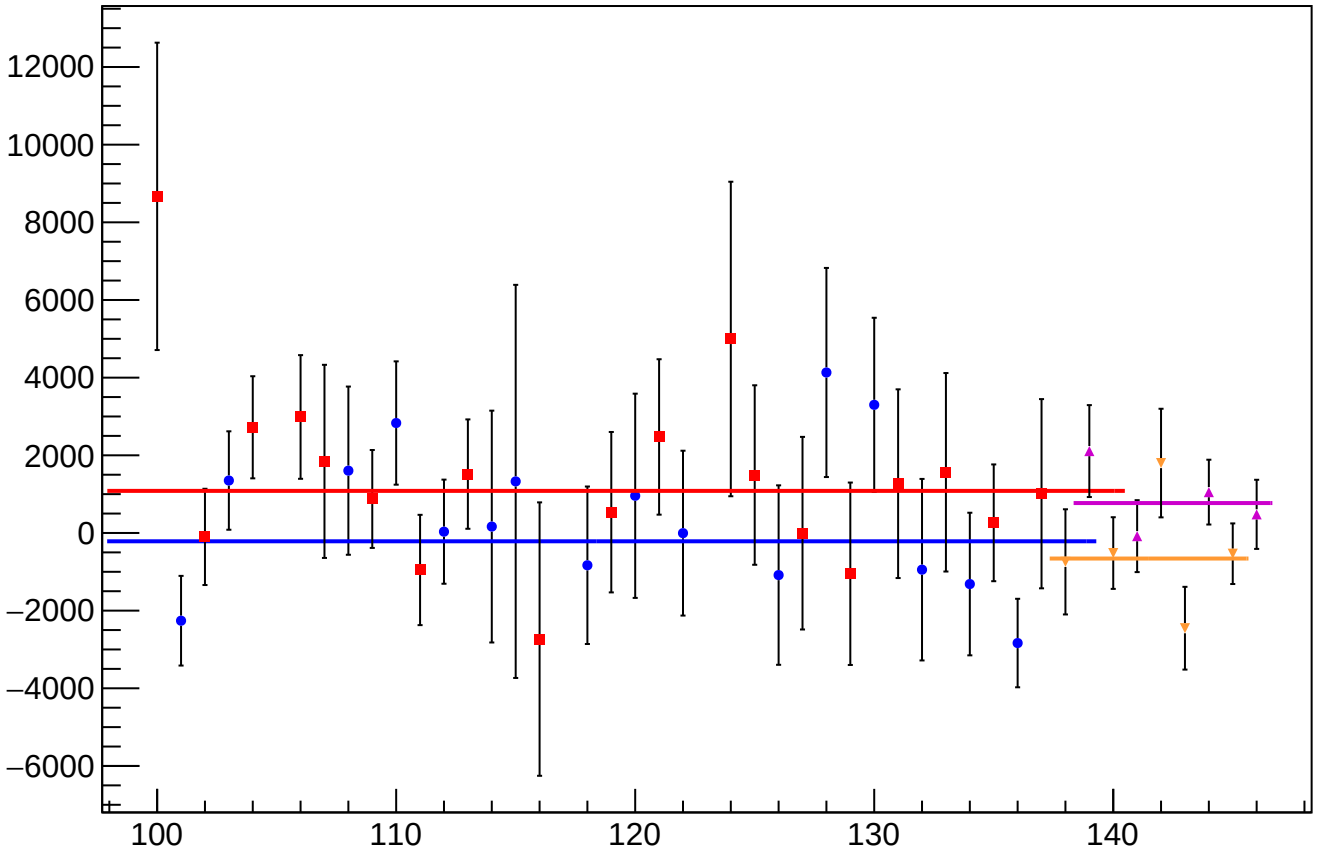
Left: 108.252+/-0.029 χ^2/NDF: 181747.2/8

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 110.381+/-0.024 χ^2/NDF:364986.6/19

Out: 109.155+/-0.023 χ^2/NDF:500163.4/23

All: 109.752+/-0.017 χ^2/NDF: 866480.4/43



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -658.433+/-458.678 χ^2/NDF:6.0/4

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 770.427+/-467.430 χ^2/NDF:2.3/3

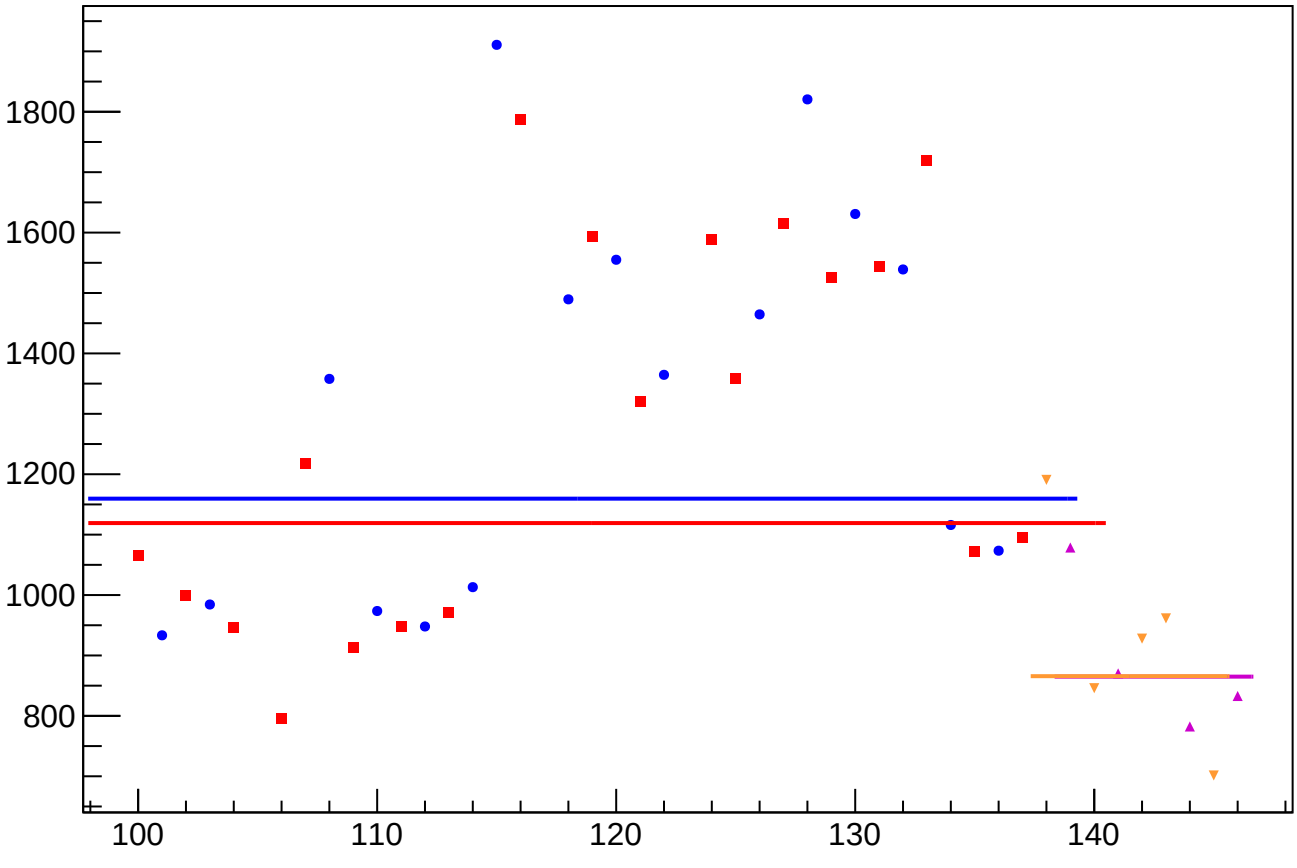
Left: 42.496+/-327.385 χ^2/NDF: 13.1/8

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 252.739+/-321.907 χ^2/NDF:25.1/19

Out: 281.564+/-311.263 χ^2/NDF:27.7/23

All: 267.636+/-223.764 χ^2/NDF: 52.8/43



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 865.706+/-0.324 χ^2/NDF:224840.6/4

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 864.954+/-0.331 χ^2/NDF:87408.4/3

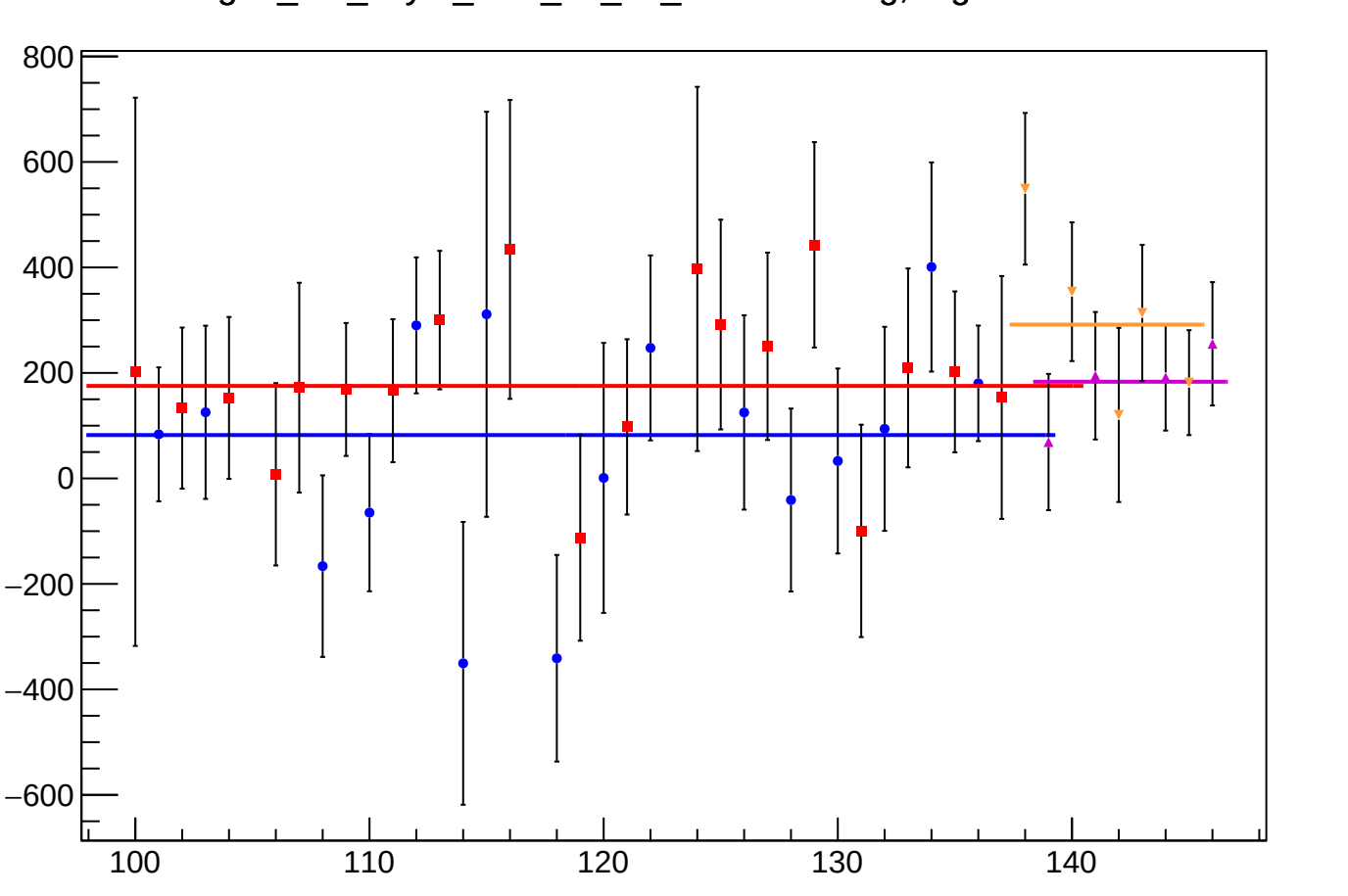
Left: 865.337+/-0.231 χ^2/NDF: 312251.7/8

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1019.845+/-0.228 χ^2/NDF:1188796.8/19

Out: 1002.440+/-0.220 χ^2/NDF:1357438.7/23

All: 1010.850+/-0.158 χ^2/NDF: 2549257.4/43



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 291.578+/-57.354 χ^2/NDF:5.8/4

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 183.309+/-57.764 χ^2/NDF:1.2/3

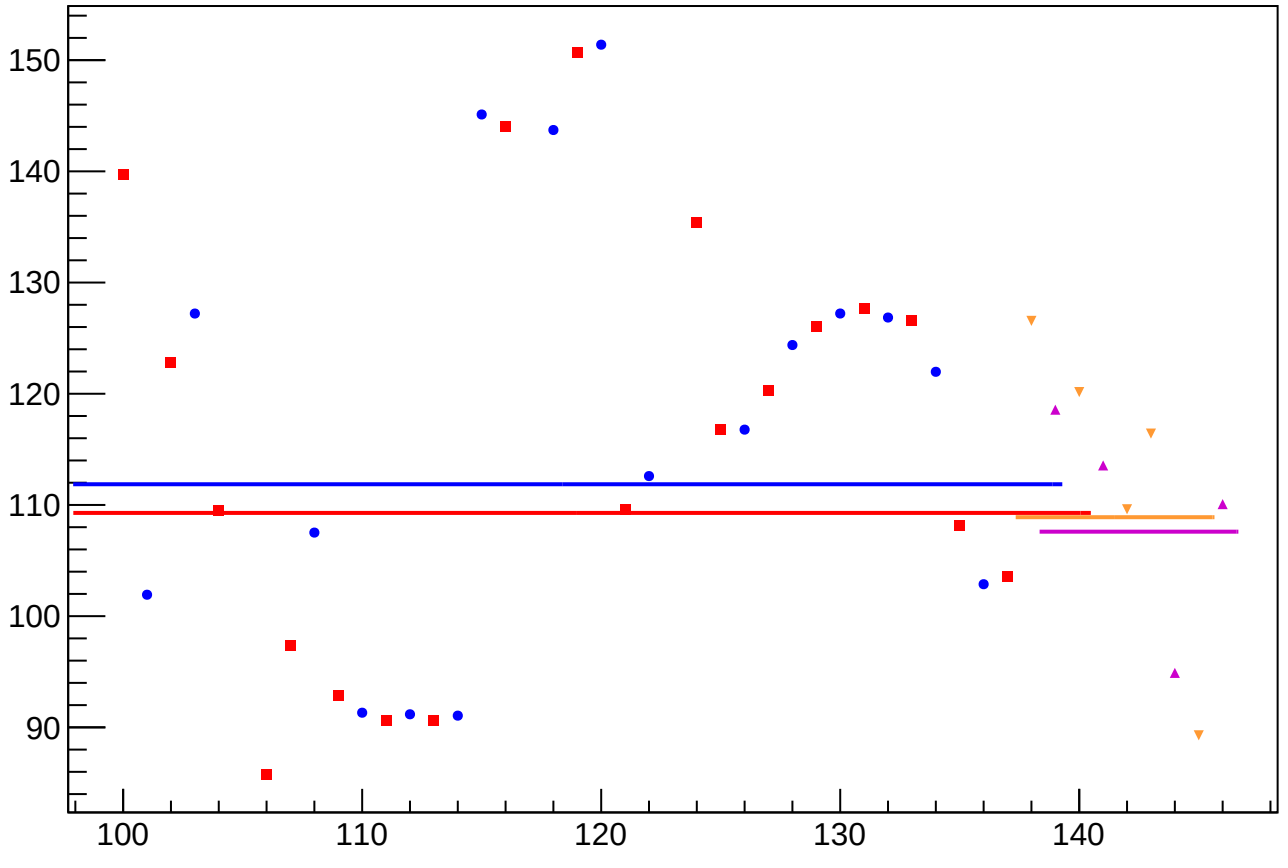
Left: 237.829+/-40.699 χ^2/NDF: 8.7/8

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 117.302+/-34.040 χ^2/NDF:21.6/19

Out: 214.241+/-33.180 χ^2/NDF:18.4/23

All: 167.012+/-23.760 χ^2/NDF: 44.1/43



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 108.898+/-0.041 χ^2/NDF:129391.4/4

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

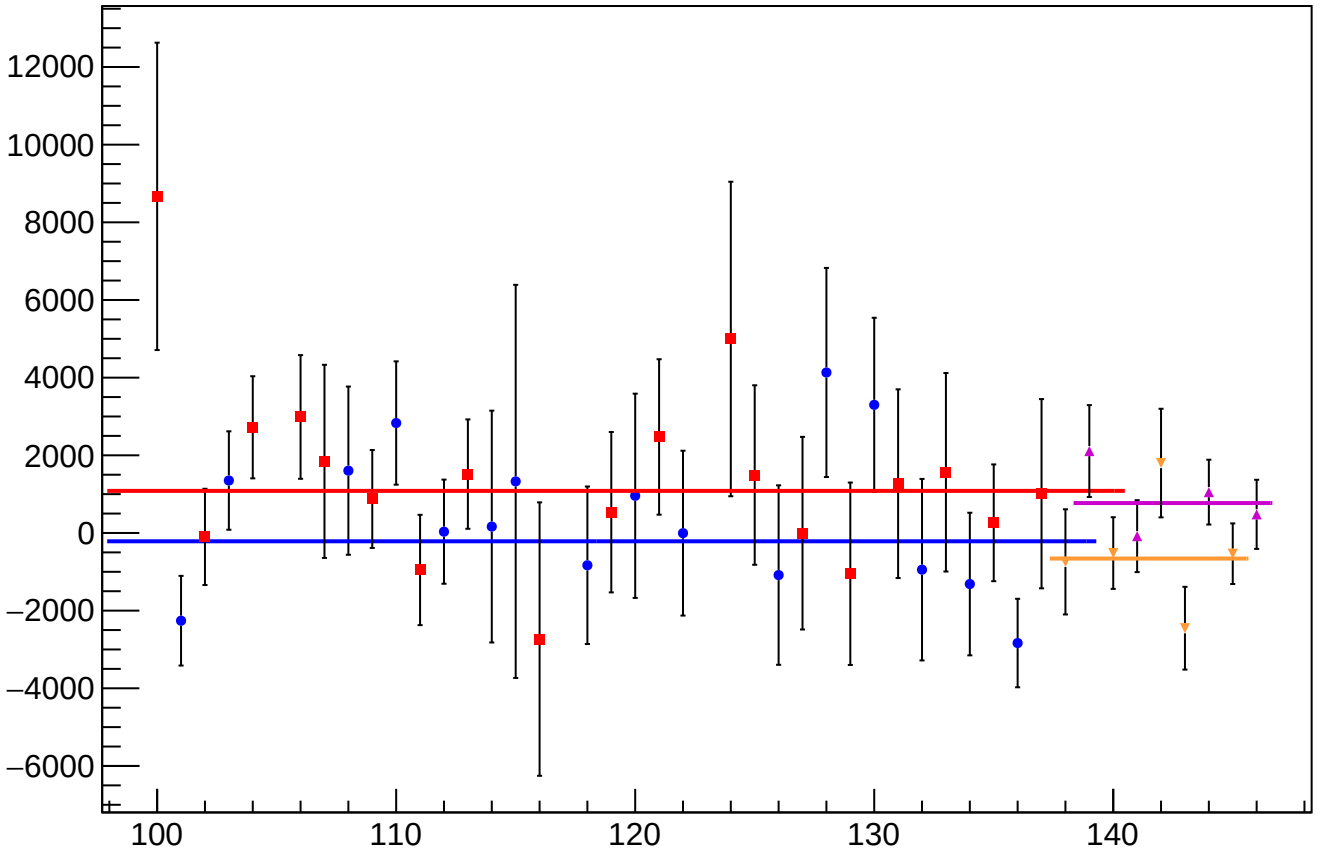
Left: 108.252+/-0.029 χ^2/NDF: 181747.2/8

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 110.381+/-0.024 χ^2/NDF:364986.6/19

Out: 109.155+/-0.023 χ^2/NDF:500163.4/23

All: 109.752+/-0.017 χ^2/NDF: 866480.4/43



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -658.433+/-458.678 χ^2/NDF:6.0/4

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 770.427+/-467.430 χ^2/NDF:2.3/3

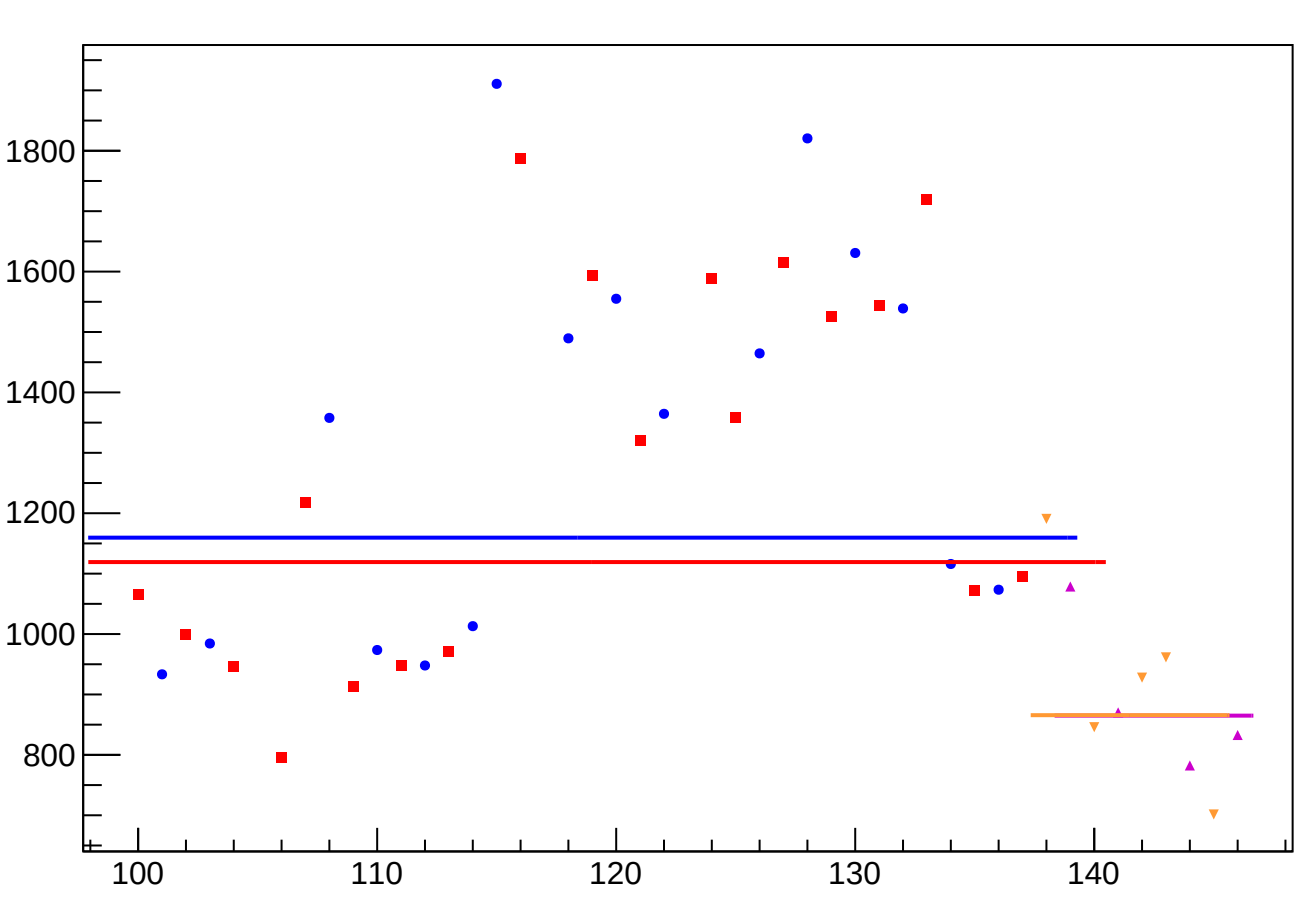
Left: 42.496+/-327.385 χ^2/NDF: 13.1/8

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

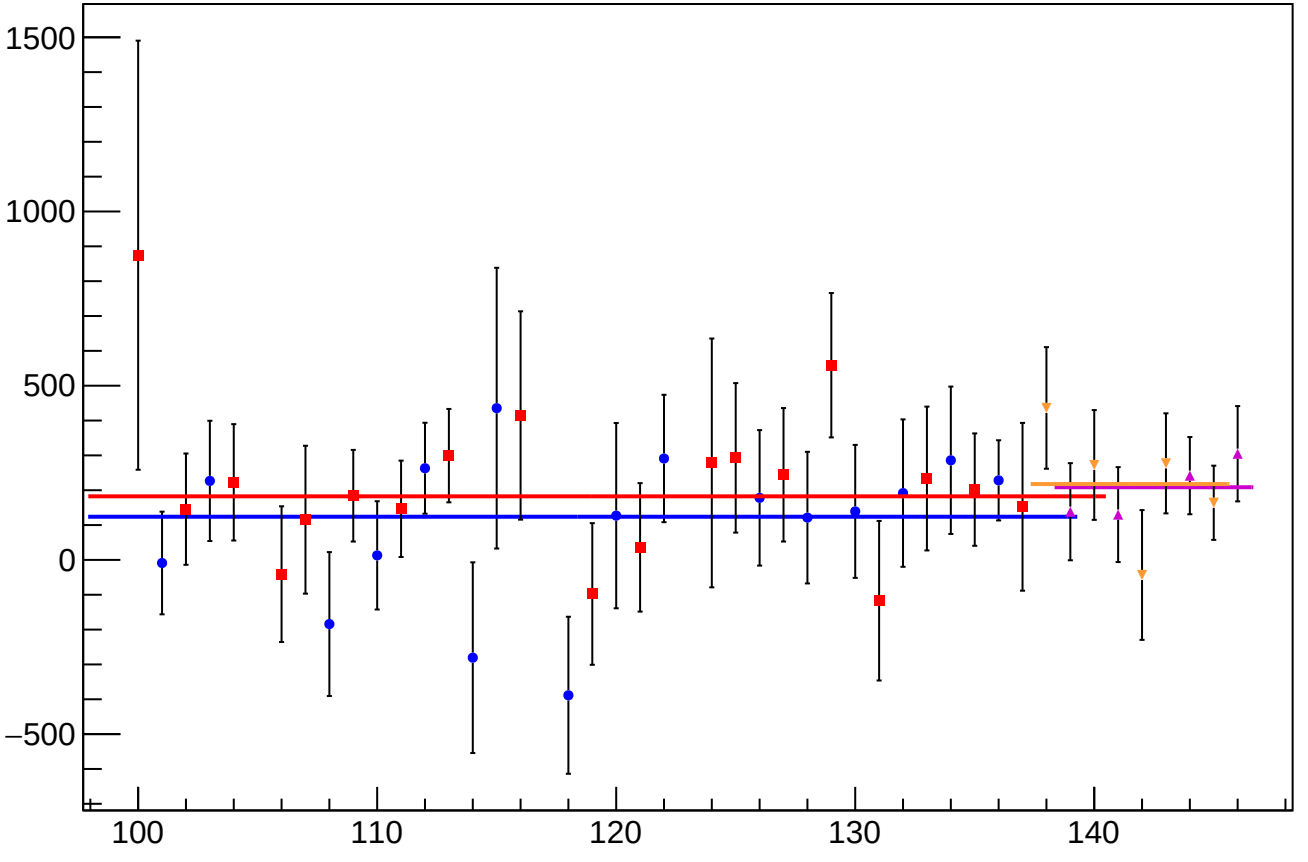
In: 252.739+/-321.907 χ^2/NDF:25.1/19

Out: 281.564+/-311.263 χ^2/NDF:27.7/23

All: 267.636+/-223.764 χ^2/NDF: 52.8/43


asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
100
110
120
130
140
Right In: 1159.576+/-0.314 χ²/NDF: 683662.2/15
Left Out: 865.706+/-0.324 χ²/NDF:224840.6/4
Right Out: 1119.156+/-0.300 χ²/NDF: 803154.6/18
Left In: 864.954+/-0.331 χ²/NDF:87408.4/3
Left: 865.337+/-0.231 χ²/NDF: 312251.7/8
Right: 1138.426+/-0.217 χ²/NDF: 1495491.5/34
In: 1019.845+/-0.228 χ²/NDF:1188796.8/19
Out: 1002.440+/-0.220 χ²/NDF:1357438.7/23
All: 1010.850+/-0.158 χ²/NDF: 2549257.4/43

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 217.692+/-64.729 χ^2/NDF:4.1/4

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 208.588+/-64.514 χ^2/NDF:1.2/3

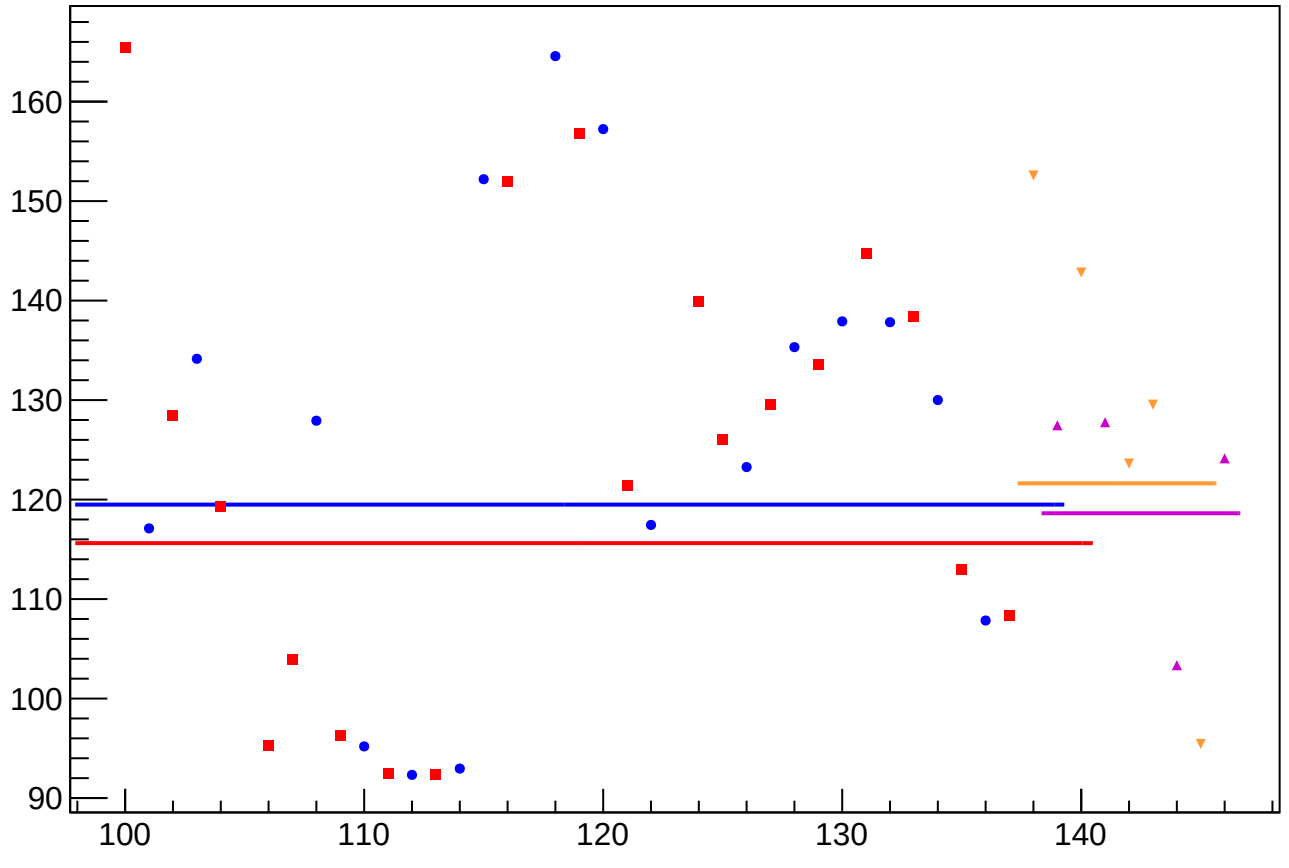
Left: 213.125+/-45.694 χ^2/NDF: 5.3/8

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 151.810+/-37.039 χ^2/NDF:17.8/19

Out: 193.331+/-35.946 χ^2/NDF:16.6/23

All: 173.192+/-25.796 χ^2/NDF: 35.0/43



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 121.631+/-0.046 χ^2/NDF:226365.6/4

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 118.624+/-0.046 χ^2/NDF:58325.3/3

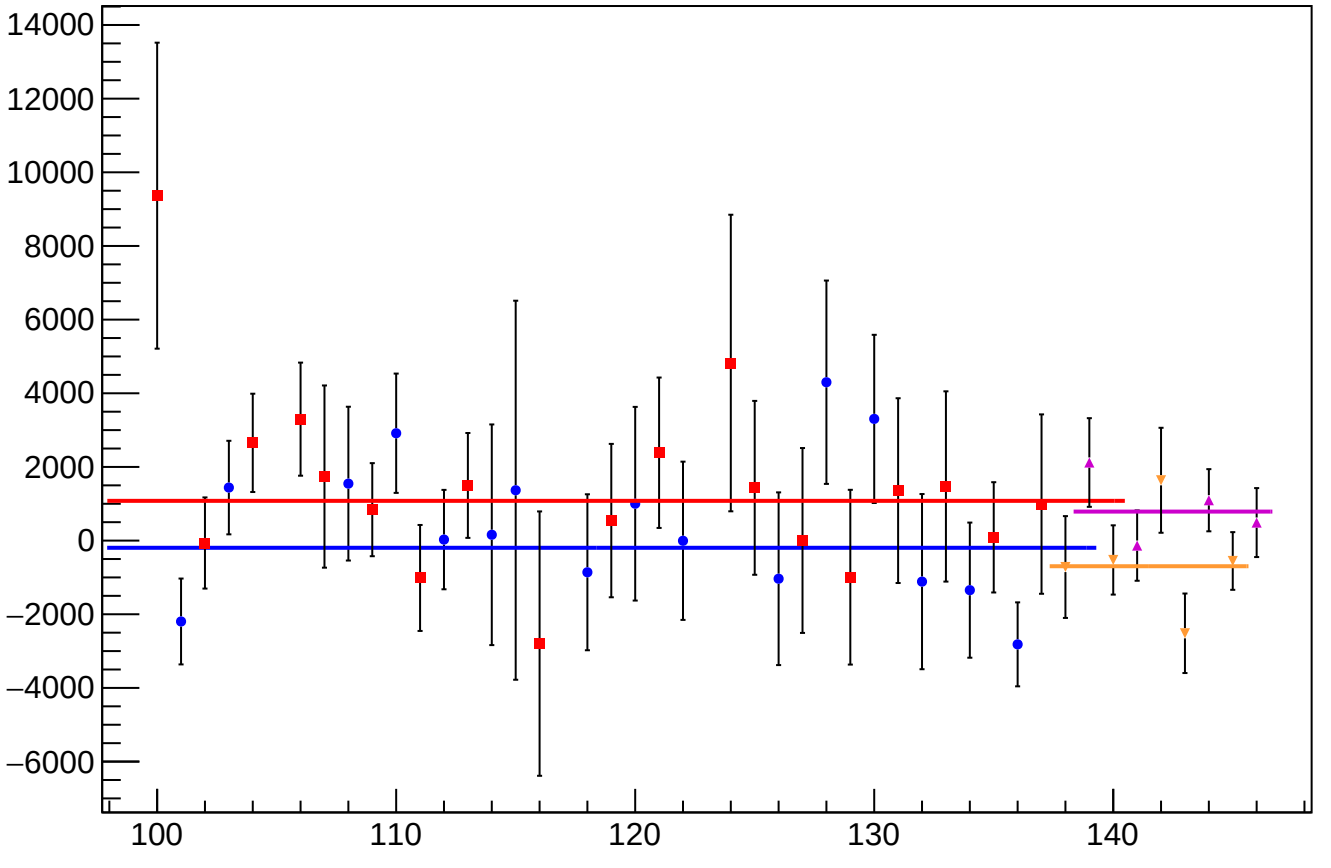
Left: 120.122+/-0.032 χ^2/NDF: 286857.0/8

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 119.207+/-0.026 χ^2/NDF:438820.5/19

Out: 117.475+/-0.025 χ^2/NDF:665249.6/23

All: 118.315+/-0.018 χ^2/NDF: 1106323.2/43



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -695.910+/-464.497 χ^2/NDF:5.6/4

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 787.693+/-480.506 χ^2/NDF:2.4/3

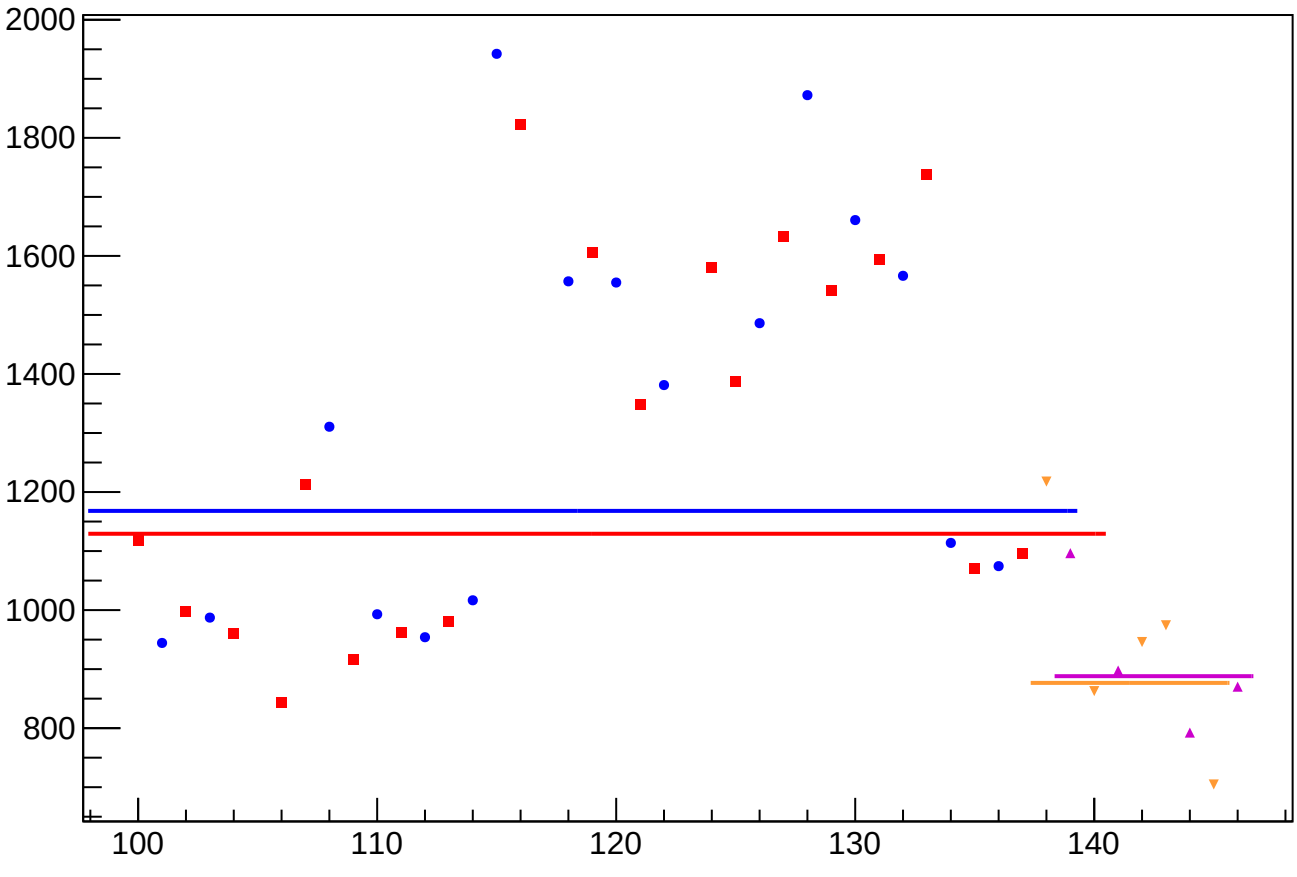
Left: 20.767+/-333.965 χ^2/NDF: 12.9/8

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 261.212+/-327.412 χ^2/NDF:25.0/19

Out: 268.450+/-313.937 χ^2/NDF:28.1/23

All: 264.983+/-226.601 χ^2/NDF: 53.1/43



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 876.689+/-0.328 χ^2/NDF:239800.3/4

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 888.067+/-0.340 χ^2/NDF:86504.1/3

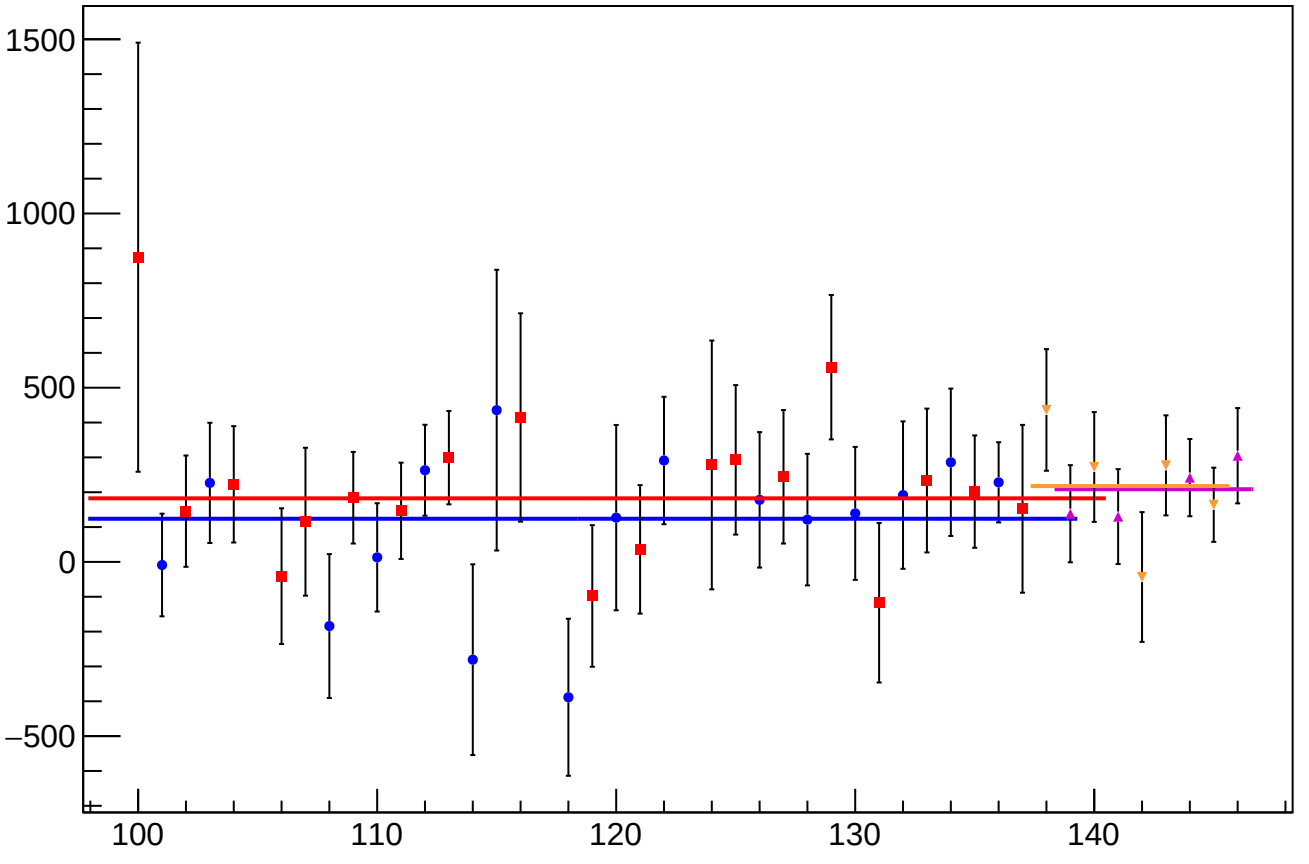
Left: 882.185+/-0.236 χ^2/NDF: 326884.1/8

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1038.062+/-0.232 χ^2/NDF:1159668.7/19

Out: 1013.918+/-0.222 χ^2/NDF:1368383.3/23

All: 1025.483+/-0.160 χ^2/NDF: 2533718.3/43



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 217.694+/-64.729 χ^2/NDF:4.1/4

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 208.589+/-64.514 χ^2/NDF:1.2/3

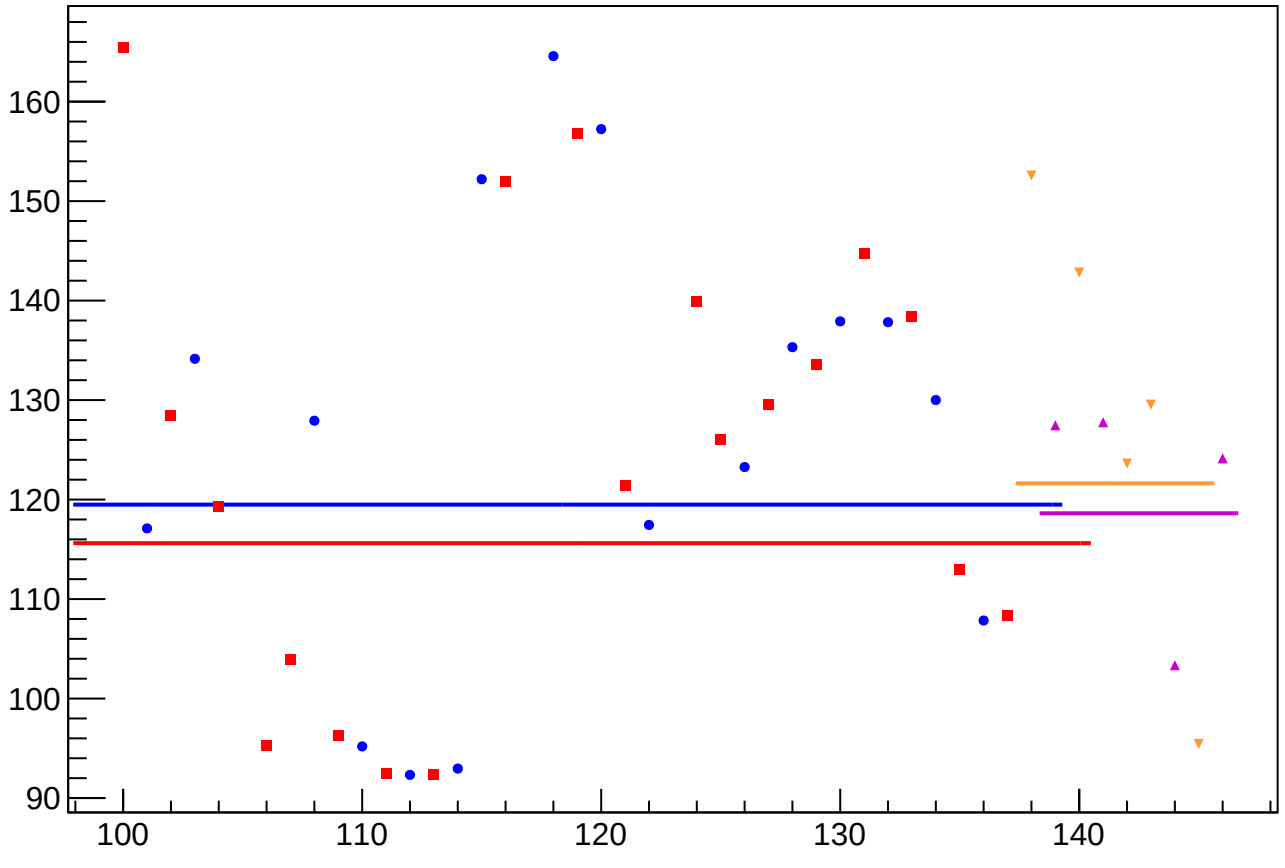
Left: 213.126+/-45.694 χ^2/NDF: 5.3/8

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 151.812+/-37.039 χ^2/NDF:17.8/19

Out: 193.331+/-35.946 χ^2/NDF:16.6/23

All: 173.193+/-25.796 χ^2/NDF: 35.0/43



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 121.631+/-0.046 χ^2/NDF:226364.1/4

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 118.624+/-0.046 χ^2/NDF:58324.5/3

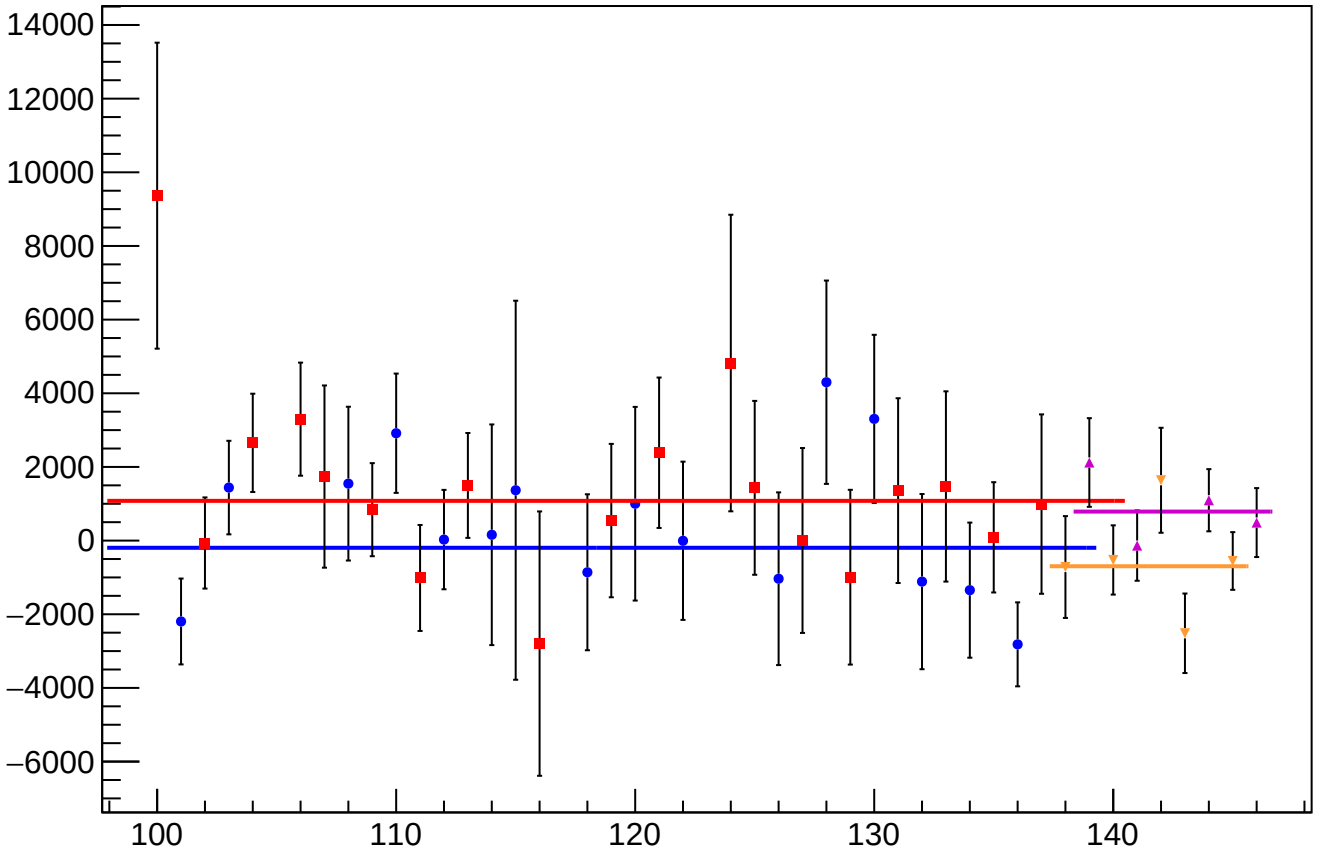
Left: 120.123+/-0.032 χ^2/NDF: 286854.7/8

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 119.208+/-0.026 χ^2/NDF:438823.0/19

Out: 117.475+/-0.025 χ^2/NDF:665253.2/23

All: 118.315+/-0.018 χ^2/NDF: 1106329.4/43



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -695.908+/-464.496 χ^2/NDF:5.6/4

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 787.693+/-480.506 χ^2/NDF:2.4/3

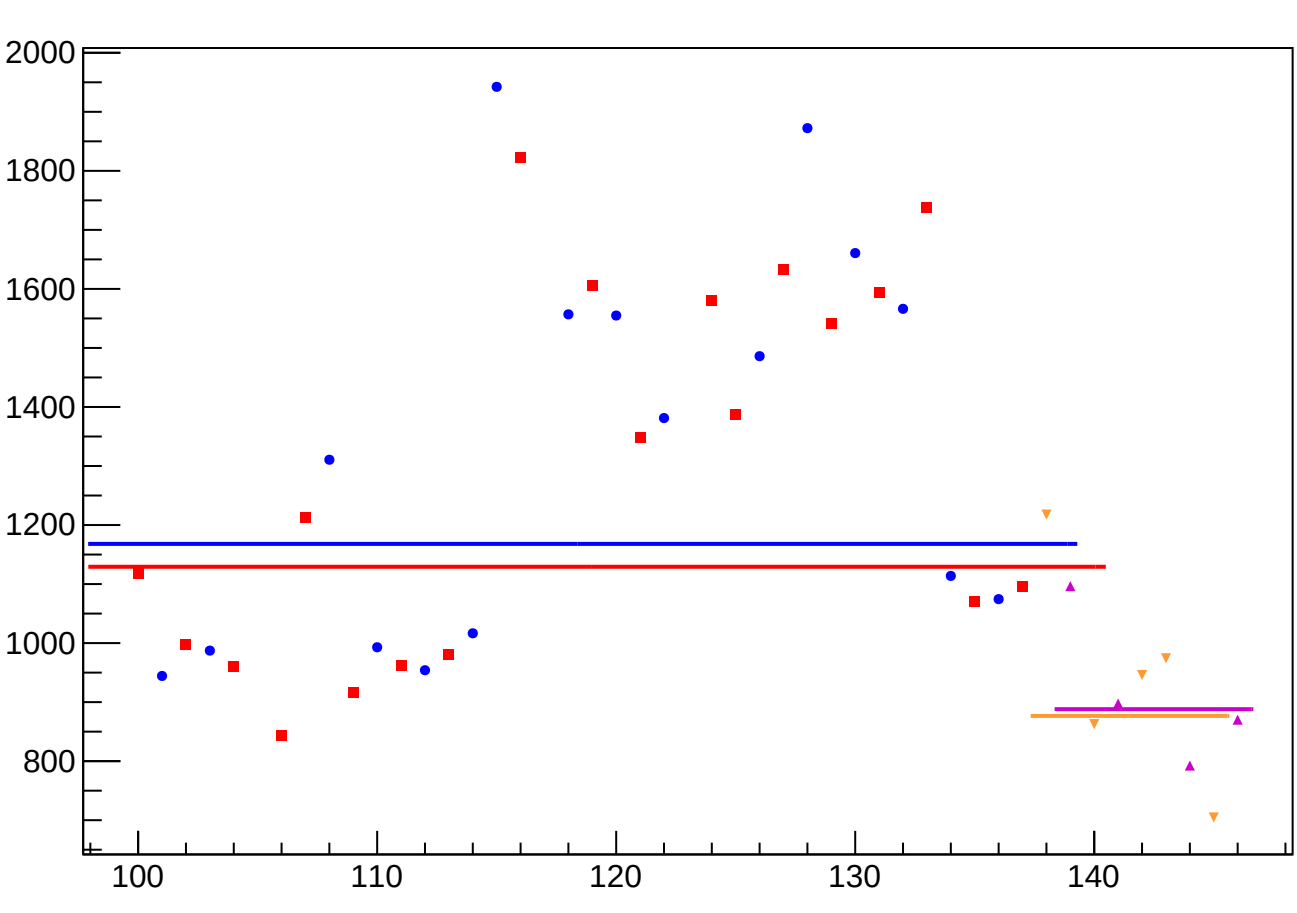
Left: 20.766+/-333.965 χ^2/NDF: 12.9/8

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 261.212+/-327.412 χ^2/NDF:25.0/19

Out: 268.449+/-313.936 χ^2/NDF:28.1/23

All: 264.983+/-226.601 χ^2/NDF: 53.1/43



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 876.687+/-0.328 χ^2/NDF:239802.3/4

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 888.066+/-0.340 χ^2/NDF:86504.0/3

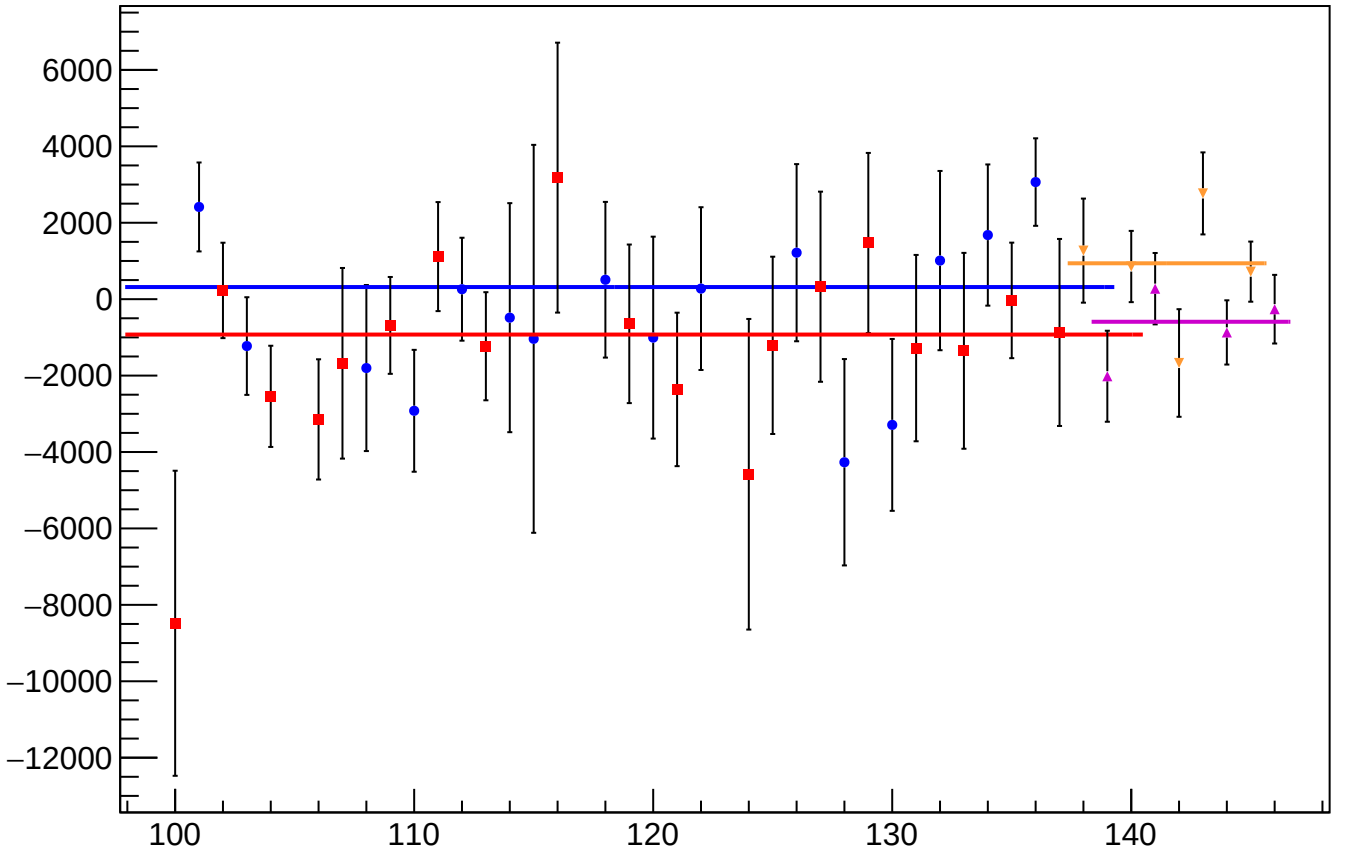
Left: 882.184+/-0.236 χ^2/NDF: 326886.1/8

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1038.062+/-0.232 χ^2/NDF:1159670.6/19

Out: 1013.917+/-0.222 χ^2/NDF:1368390.5/23

All: 1025.483+/-0.160 χ^2/NDF: 2533727.7/43



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 939.129+/-462.410 χ^2/NDF:6.5/4

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -591.289+/-471.155 χ^2/NDF:2.5/3

Left: 188.256+/-330.022 χ^2/NDF: 14.4/8

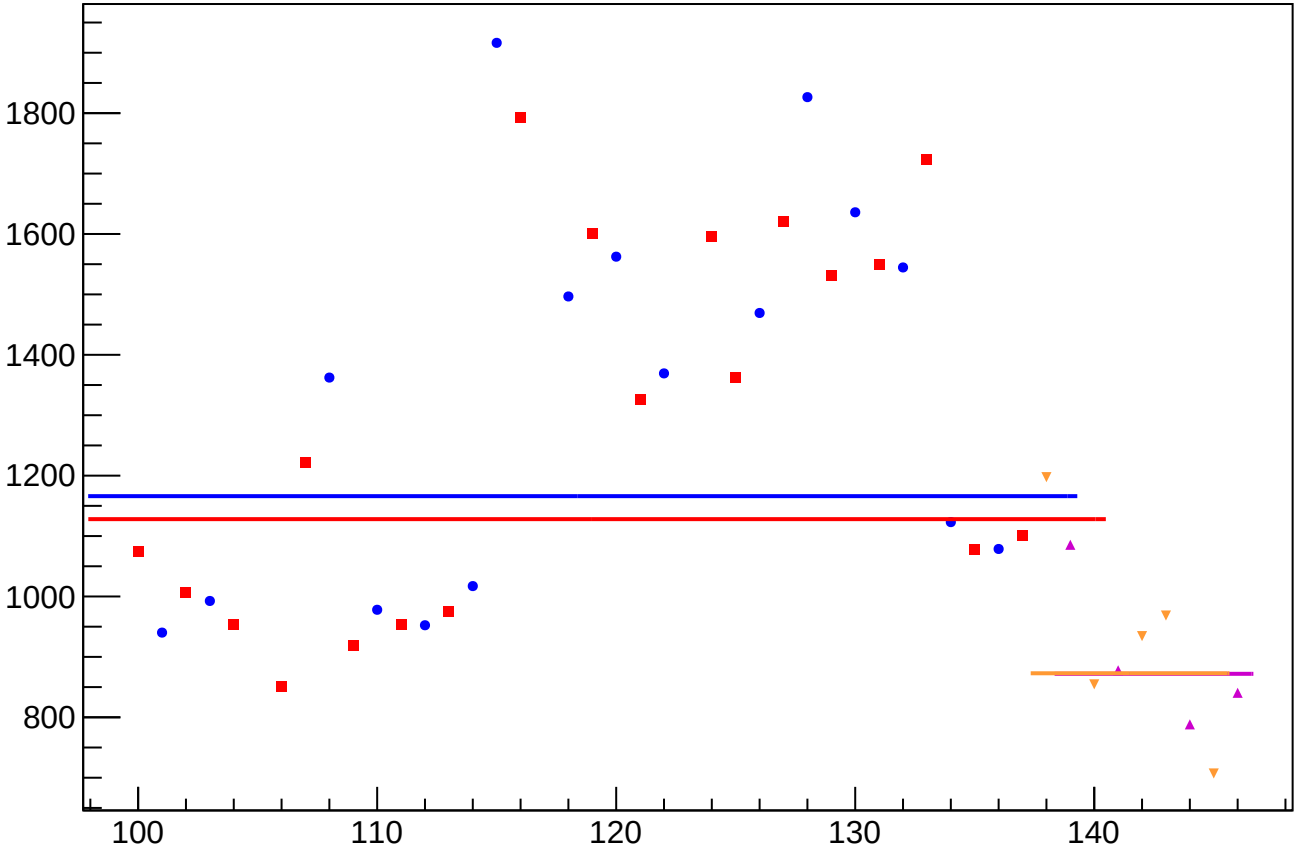
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -112.404+/-324.028 χ^2/NDF:26.7/19

Out: -71.061+/-313.073 χ^2/NDF:29.8/23

All: -91.022+/-225.149 χ^2/NDF: 56.5/43

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 872.876+/-0.327 χ^2/NDF:222891.1/4

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 871.982+/-0.333 χ^2/NDF:86646.5/3

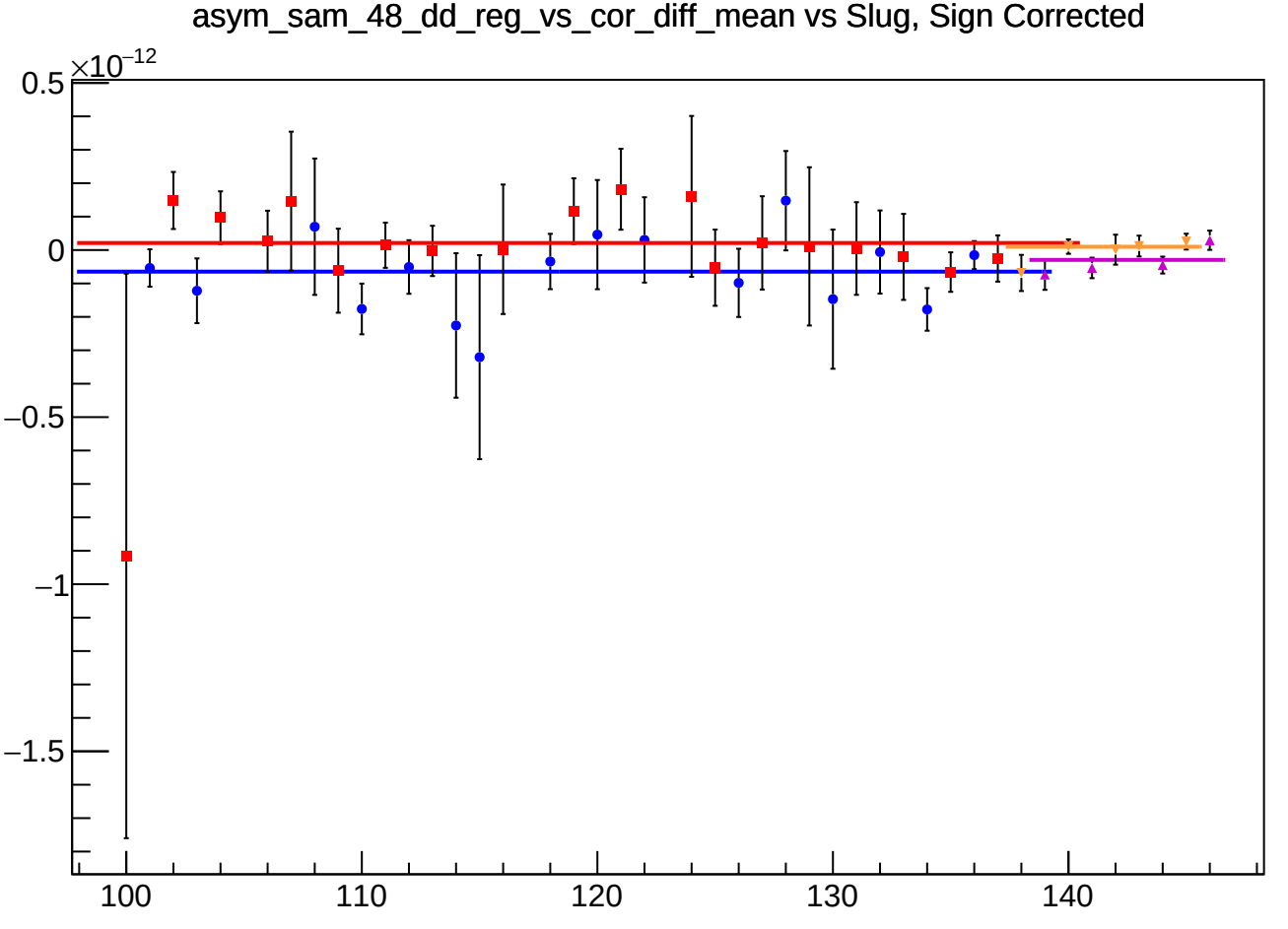
Left: 872.437+/-0.233 χ^2/NDF: 309541.2/8

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1026.967+/-0.229 χ^2/NDF:1174337.4/19

Out: 1011.057+/-0.221 χ^2/NDF:1328409.1/23

All: 1018.738+/-0.159 χ^2/NDF: 2505240.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/3

Left: -0.000+/-0.000 χ^2/NDF: 12.4/8

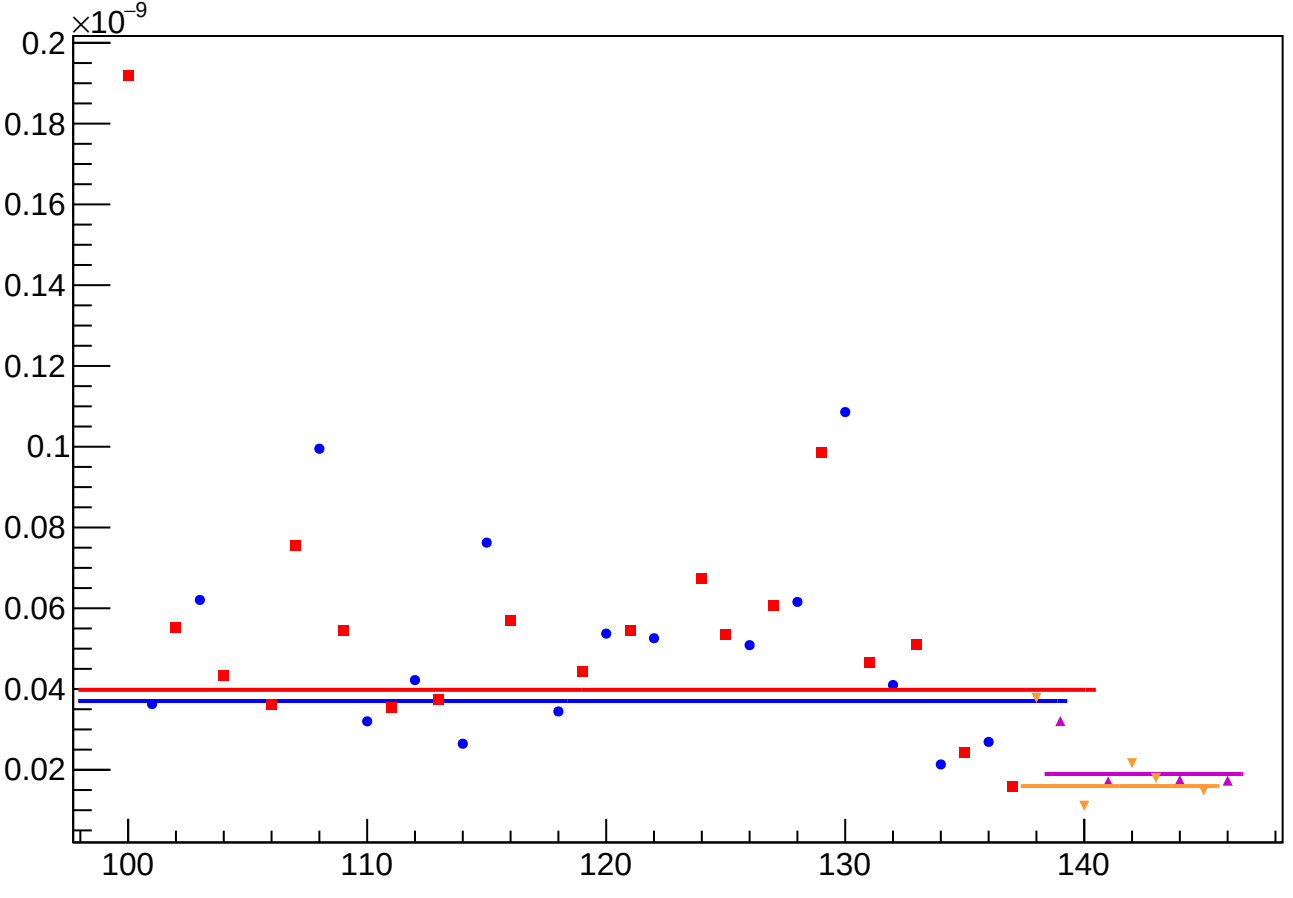
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:20.3/19

Out: 0.000+/-0.000 χ^2/NDF:14.2/23

All: -0.000+/-0.000 χ^2/NDF: 44.5/43

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:471068.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:184553.9/3

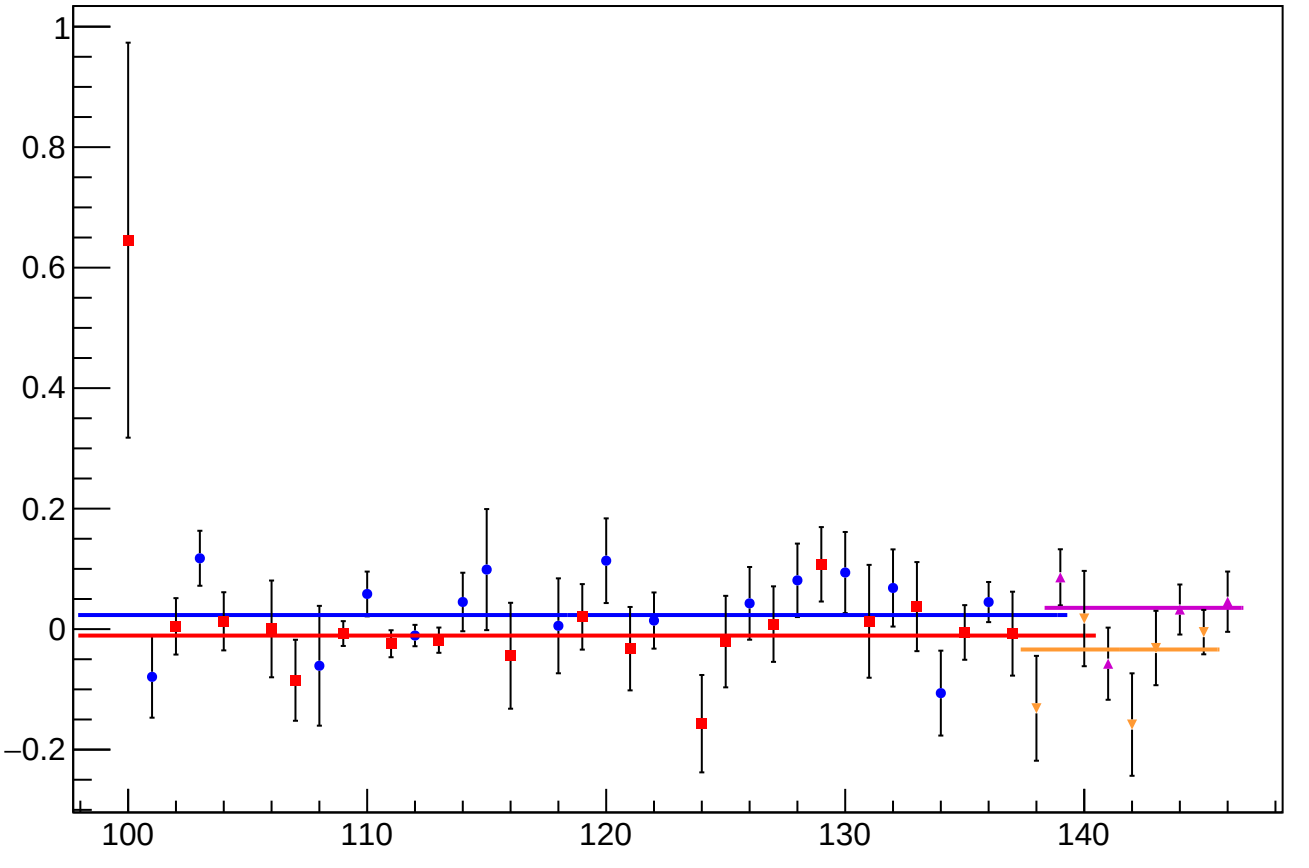
Left: 0.000+/-0.000 χ^2/NDF: 699657.6/8

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2101116.7/19

Out: 0.000+/-0.000 χ^2/NDF:2980772.8/23

All: 0.000+/-0.000 χ^2/NDF: 5147767.5/43



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.026 χ^2/NDF:4.4/4

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.024 χ^2/NDF:3.6/3

Left: 0.004+/-0.018 χ^2/NDF: 11.8/8

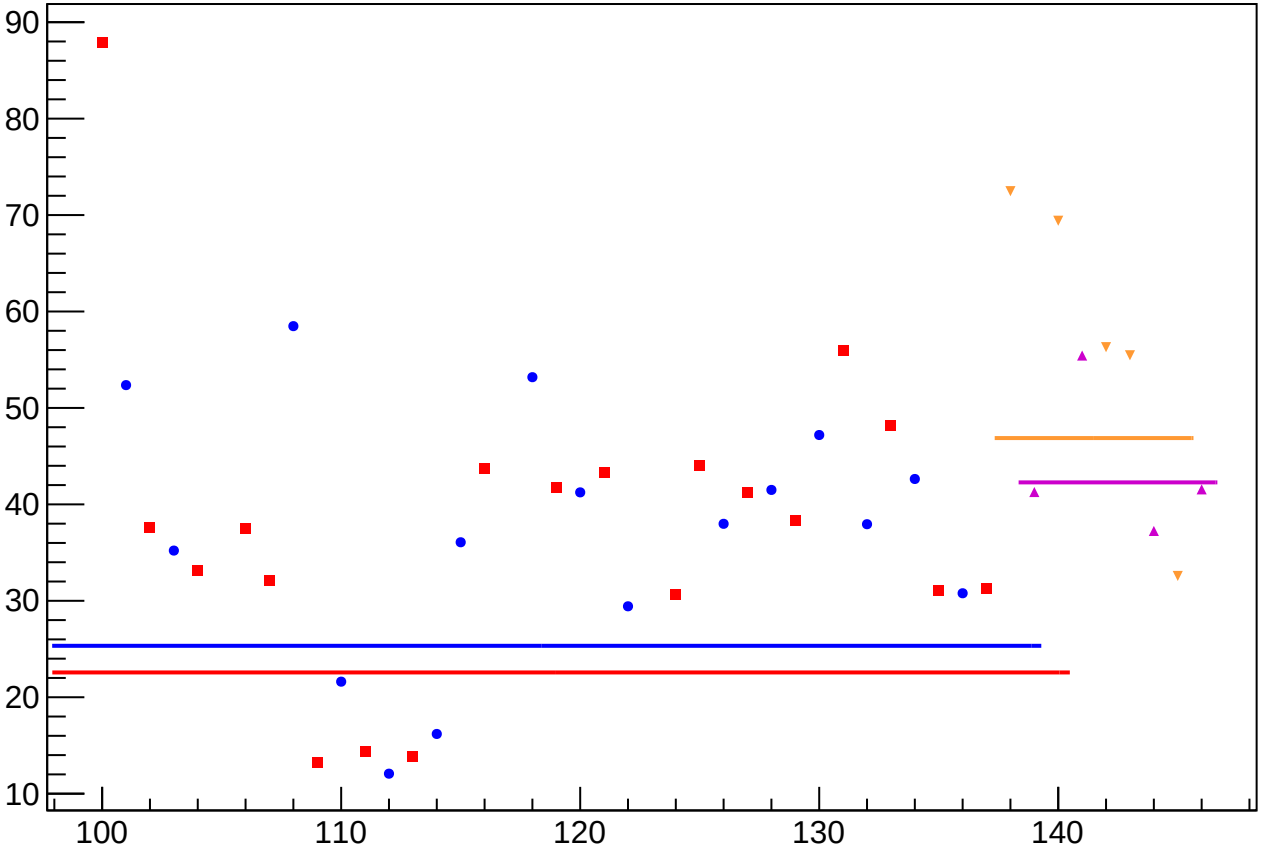
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.6/19

Out: -0.013+/-0.009 χ^2/NDF:19.4/23

All: 0.004+/-0.007 χ^2/NDF: 52.1/43

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.876+/-0.019 χ^2/NDF:699996.8/4

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.279+/-0.017 χ^2/NDF:127230.5/3

Left: 44.366+/-0.013 χ^2/NDF: 860204.7/8

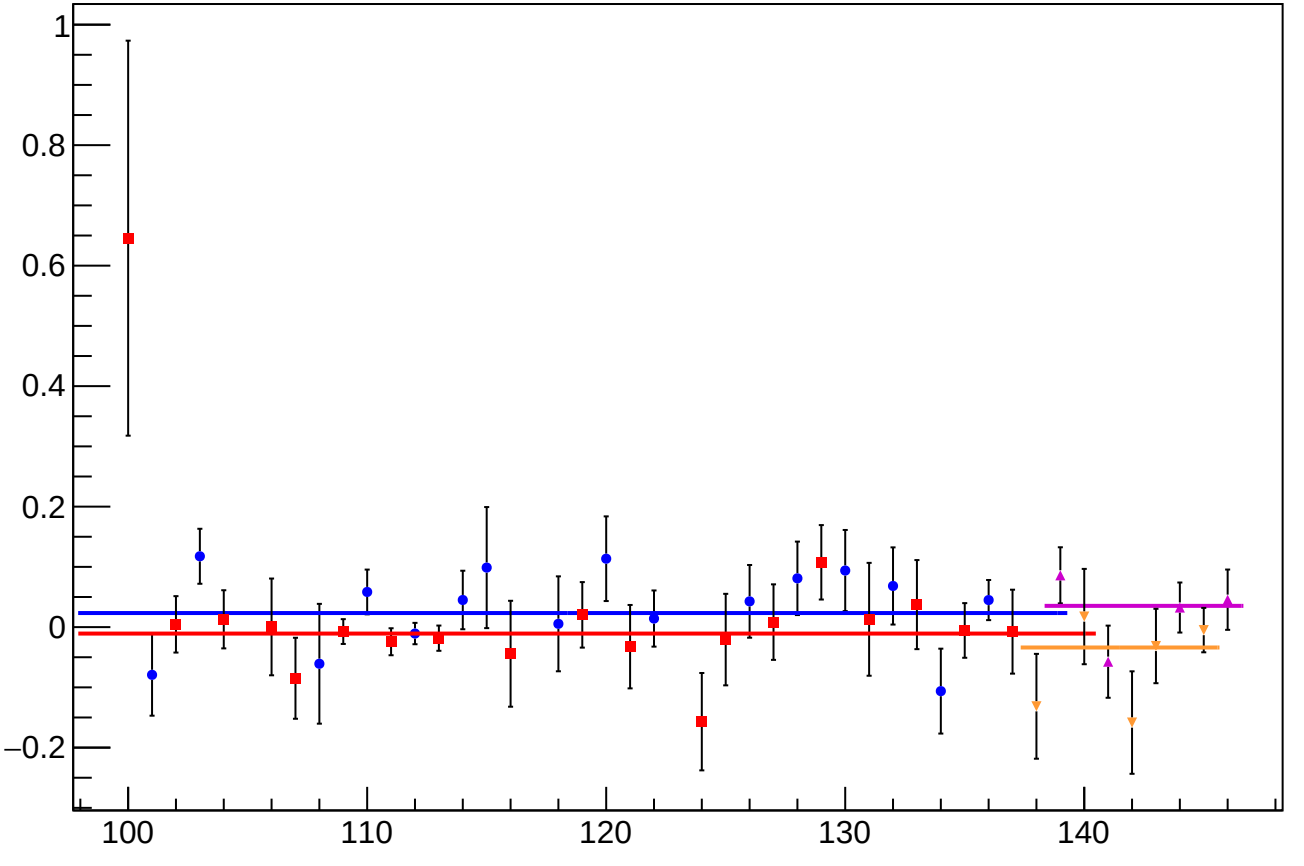
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 28.282+/-0.007 χ^2/NDF:3867943.1/19

Out: 25.507+/-0.006 χ^2/NDF:5324829.9/23

All: 26.769+/-0.005 χ^2/NDF: 9275761.2/43

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: -0.034+/-0.026 χ^2/NDF:4.4/4

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.024 χ^2/NDF:3.6/3

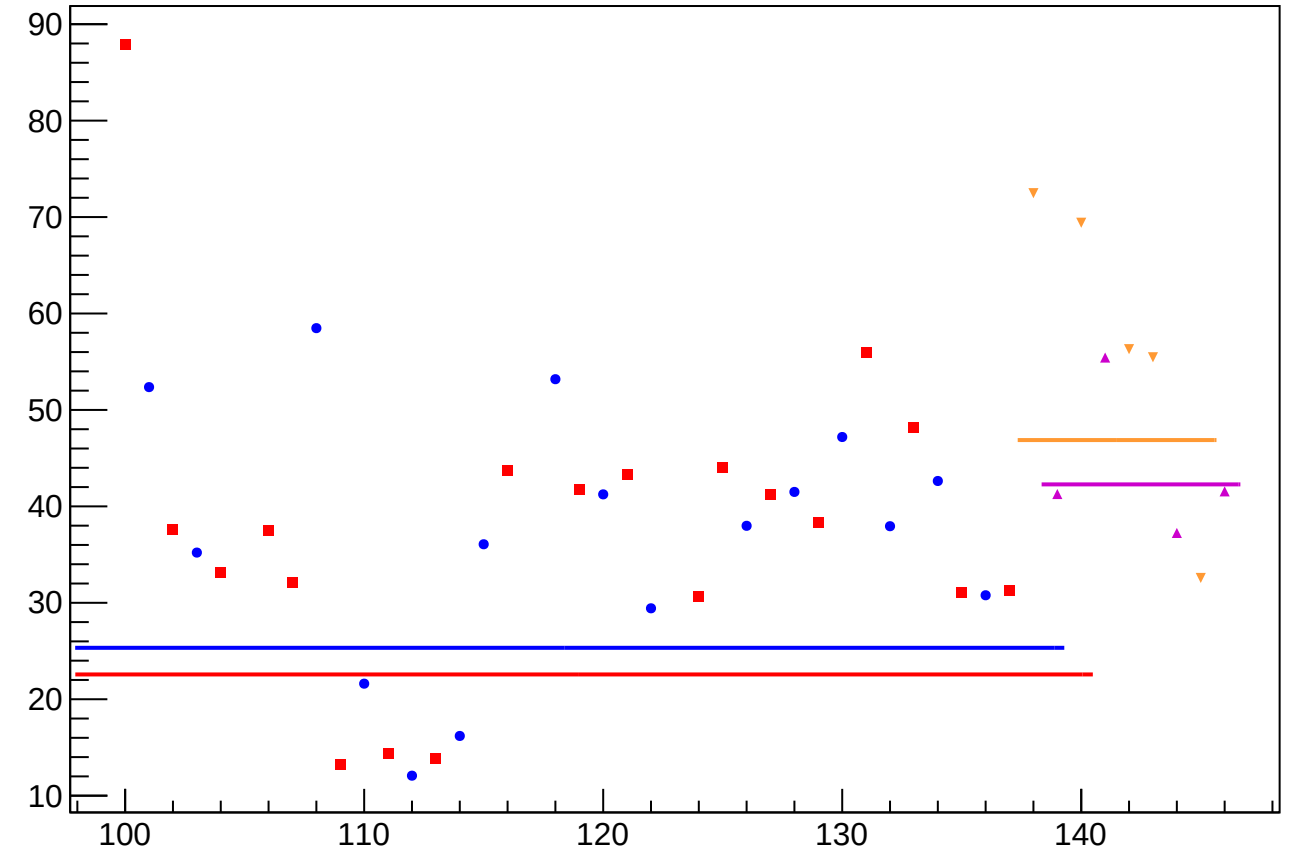
Left: 0.004+/-0.018 χ^2/NDF: 11.8/8

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.6/19

Out: -0.013+/-0.009 χ^2/NDF:19.4/23

All: 0.004+/-0.007 χ^2/NDF: 52.1/43



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.876+/-0.019 χ^2/NDF:699996.8/4

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.279+/-0.017 χ^2/NDF:127230.5/3

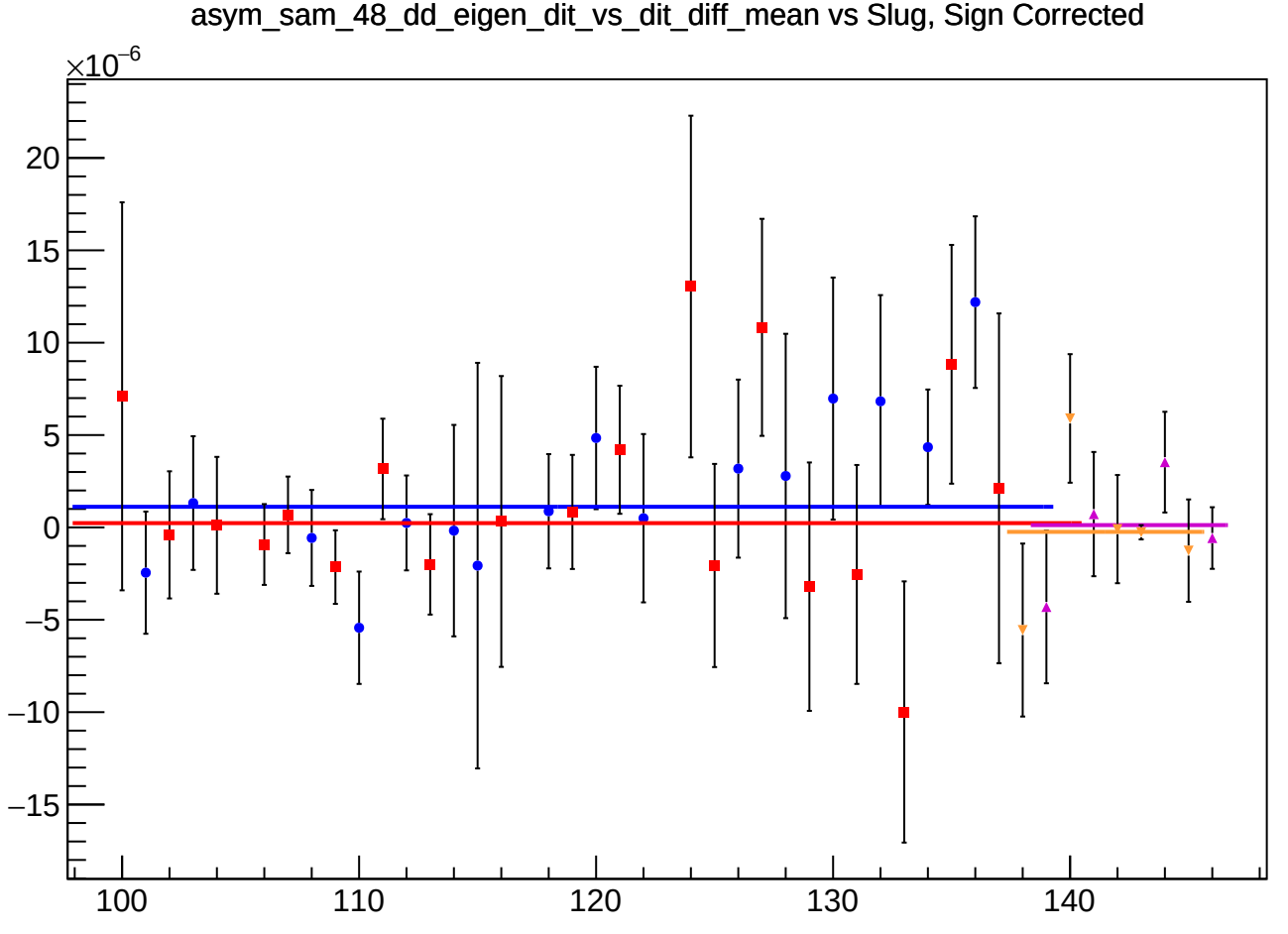
Left: 44.366+/-0.013 χ^2/NDF: 860204.7/8

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 28.282+/-0.007 χ^2/NDF:3867943.1/19

Out: 25.507+/-0.006 χ^2/NDF:5324829.9/23

All: 26.769+/-0.005 χ^2/NDF: 9275761.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/3

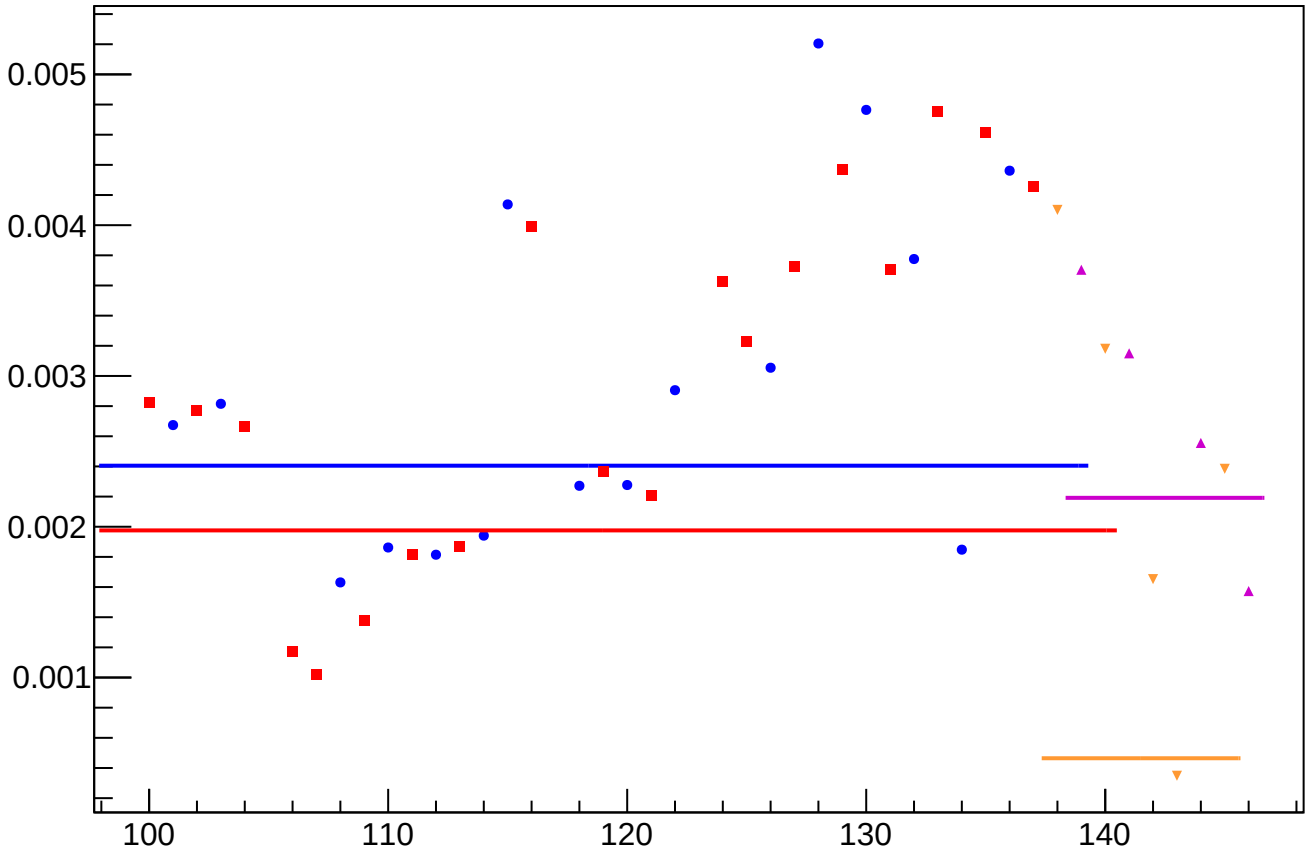
Left: -0.000+/-0.000 χ^2/NDF: 7.5/8

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:19.5/19

Out: -0.000+/-0.000 χ^2/NDF:20.0/23

All: -0.000+/-0.000 χ^2/NDF: 40.7/43



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3894856.7/4

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:741066.7/3

Left: 0.001+/-0.000 χ^2/NDF: 8143347.7/8

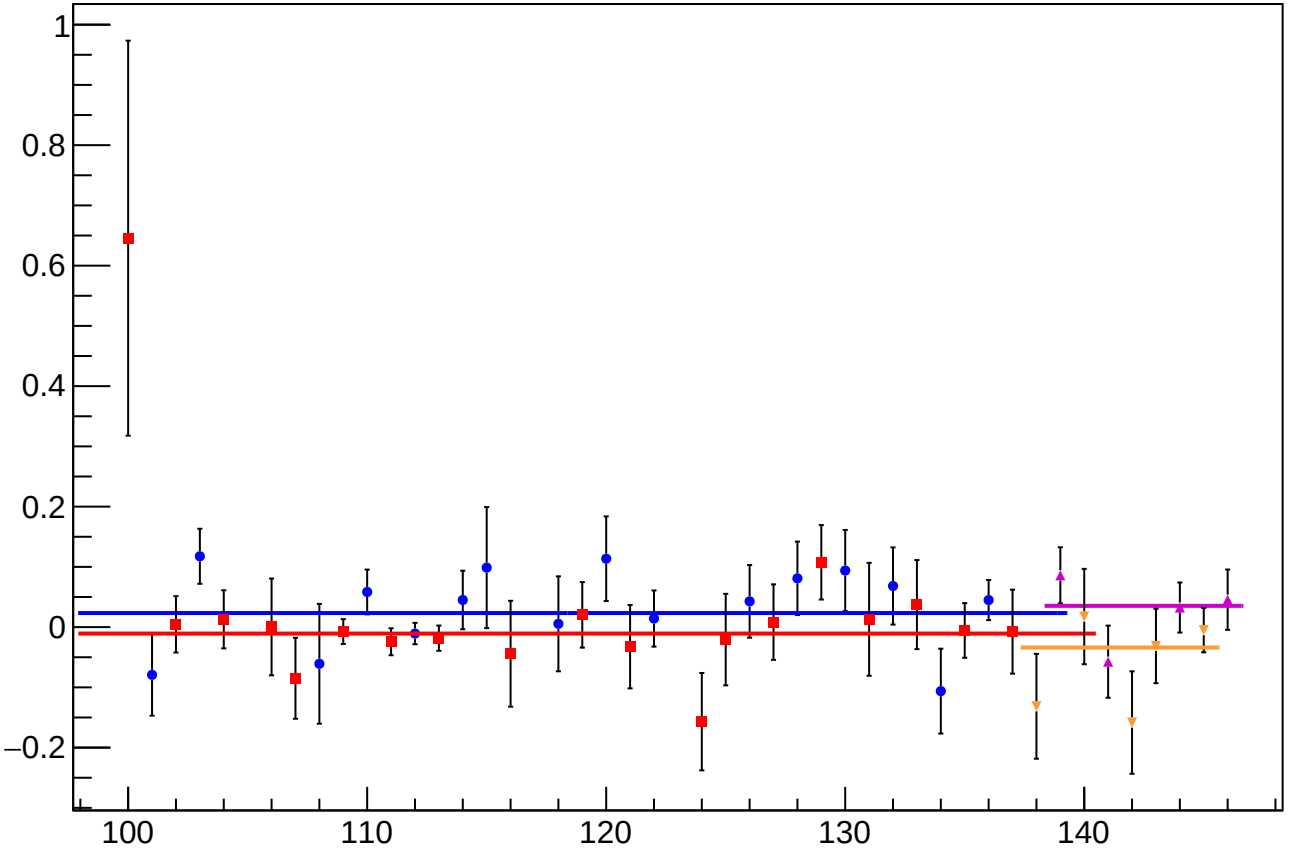
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:2349838.5/19

Out: 0.001+/-0.000 χ^2/NDF:12368001.0/23

All: 0.001+/-0.000 χ^2/NDF: 22080119.7/43

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: -0.034+/-0.026 χ^2/NDF:4.4/4

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.024 χ^2/NDF:3.6/3

Left: 0.004+/-0.018 χ^2/NDF: 11.8/8

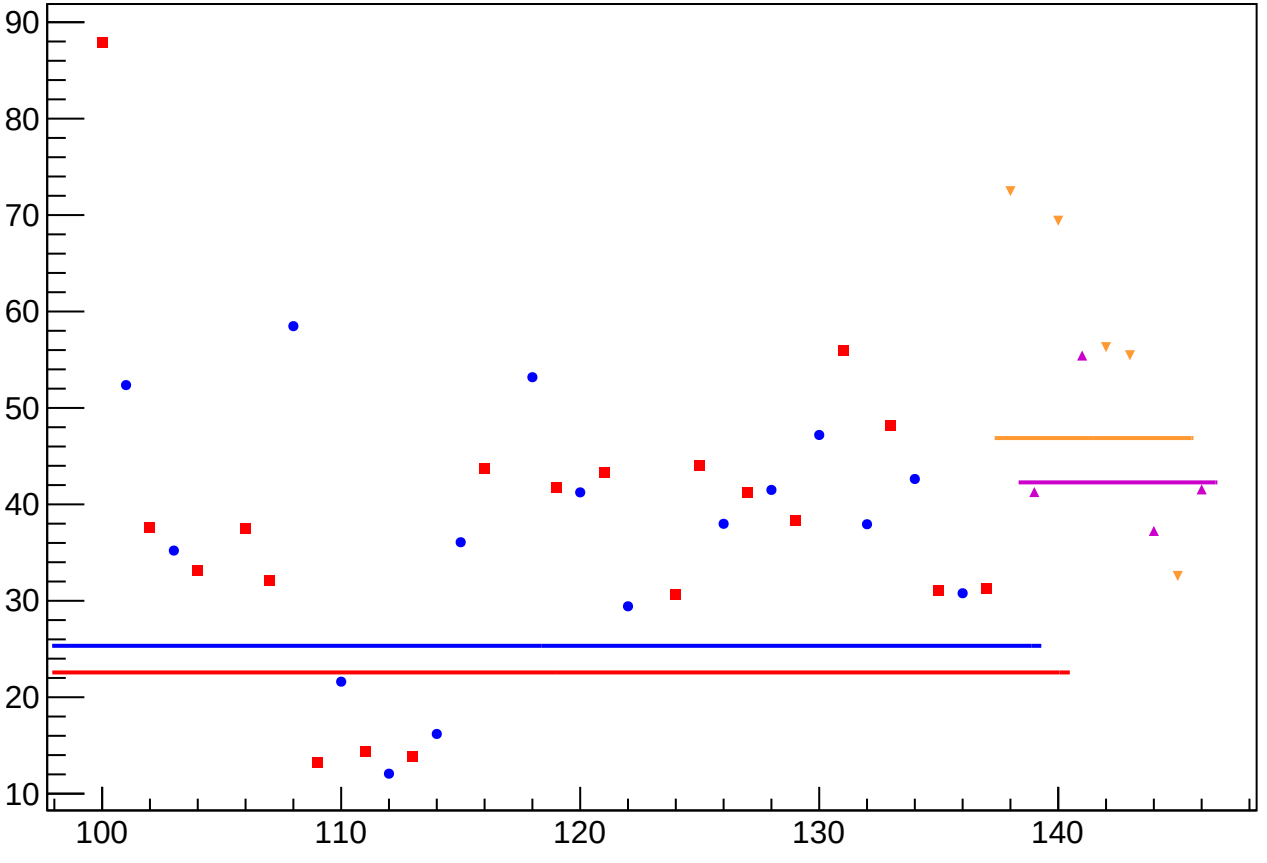
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.6/19

Out: -0.013+/-0.009 χ^2/NDF:19.4/23

All: 0.004+/-0.007 χ^2/NDF: 52.1/43

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.876+/-0.019 χ^2/NDF:699969.5/4

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 42.280+/-0.017 χ^2/NDF:127228.3/3

Left: 44.366+/-0.013 χ^2/NDF: 860175.8/8

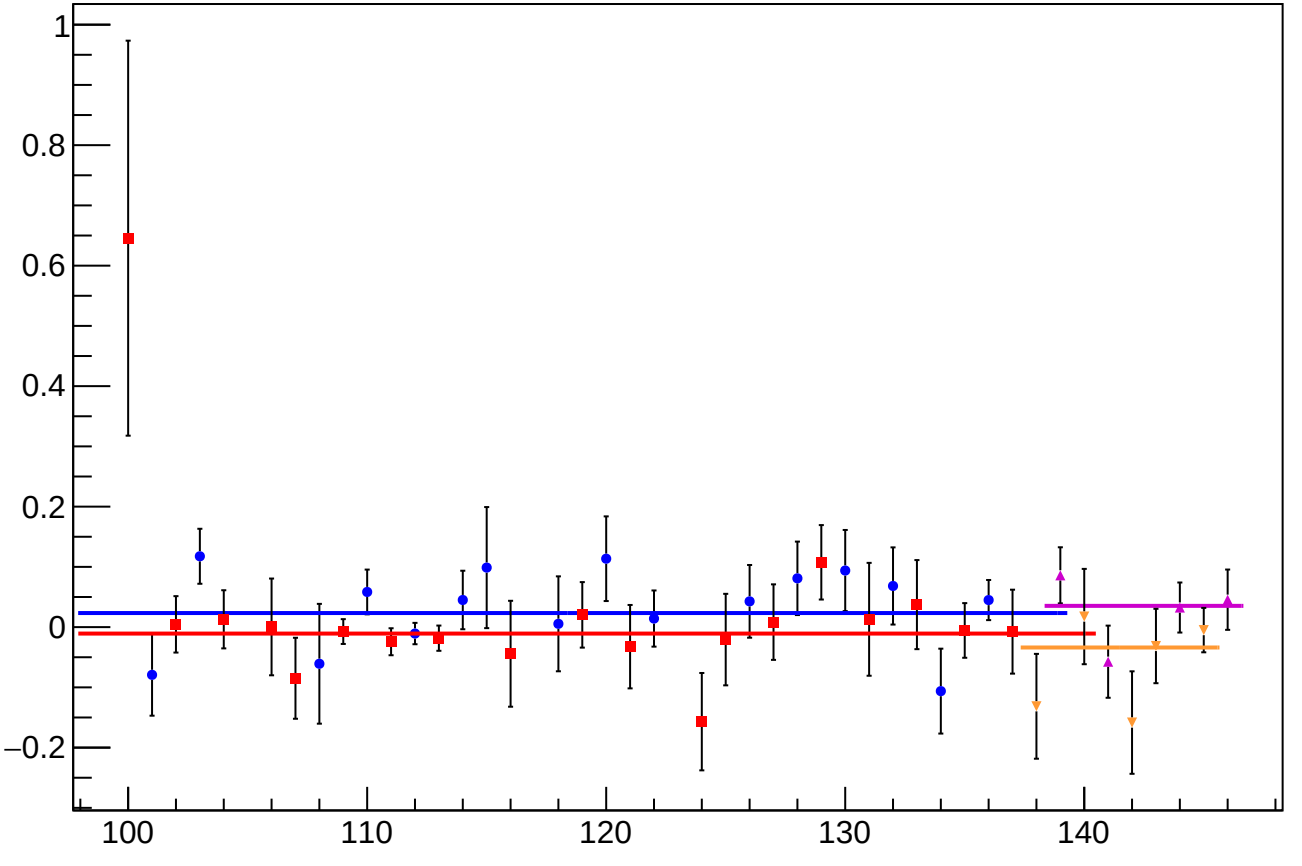
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 28.281+/-0.007 χ^2/NDF:3868524.7/19

Out: 25.506+/-0.006 χ^2/NDF:5325028.8/23

All: 26.769+/-0.005 χ^2/NDF: 9276490.0/43

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: -0.034+/-0.026 χ^2/NDF:4.4/4

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.024 χ^2/NDF:3.6/3

Left: 0.004+/-0.018 χ^2/NDF: 11.8/8

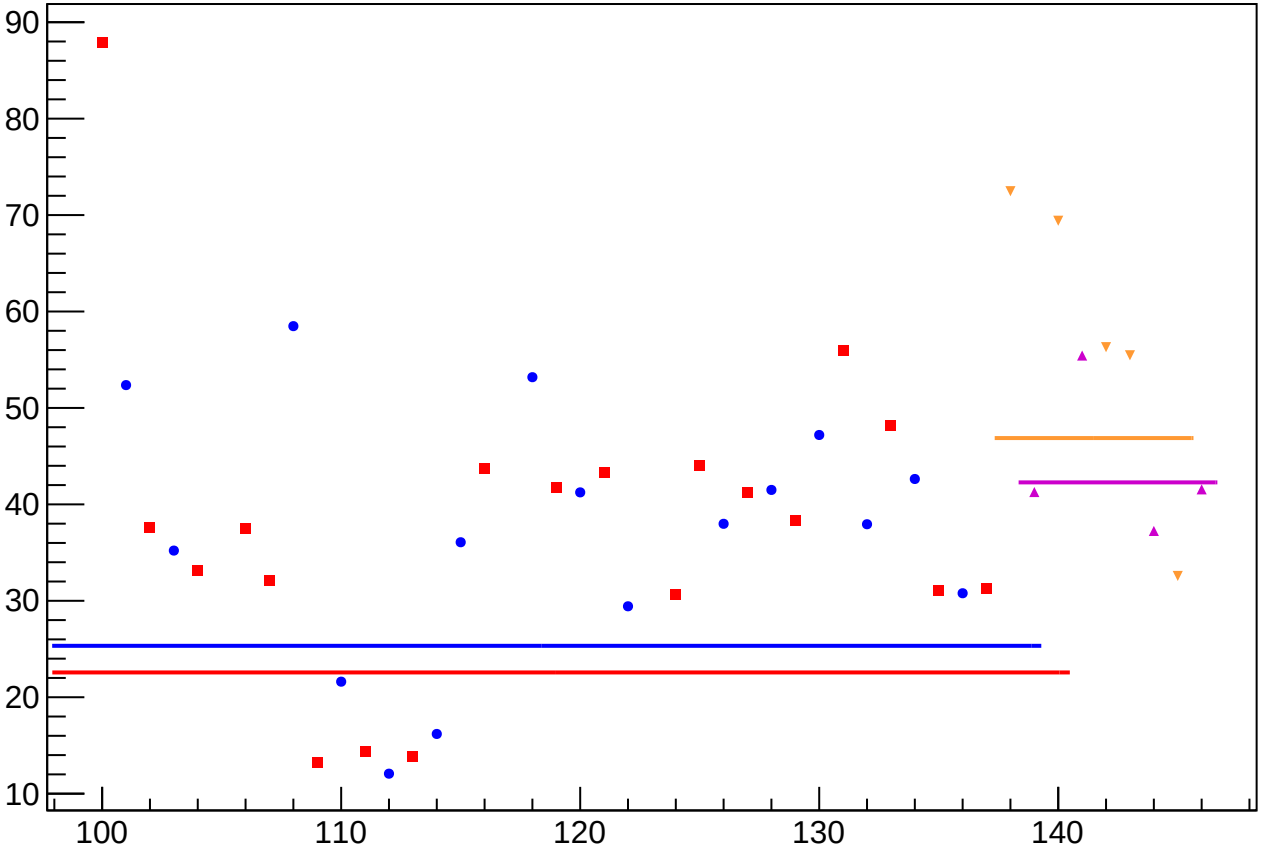
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.6/19

Out: -0.013+/-0.009 χ^2/NDF:19.4/23

All: 0.004+/-0.007 χ^2/NDF: 52.1/43

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: 46.876+/-0.019 χ^2/NDF:699969.5/4

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 42.280+/-0.017 χ^2/NDF:127228.3/3

Left: 44.366+/-0.013 χ^2/NDF: 860175.8/8

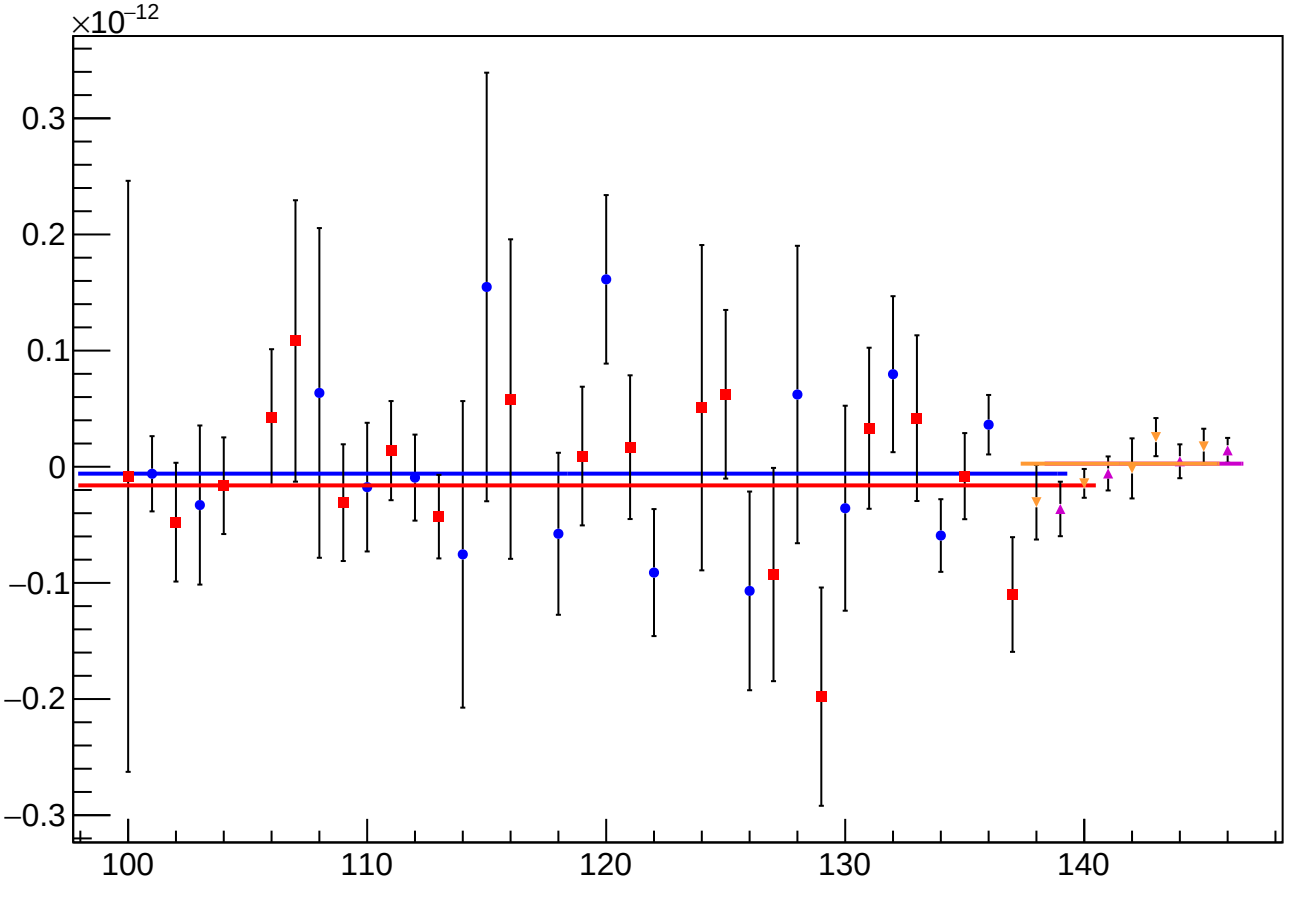
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 28.281+/-0.007 χ^2/NDF:3868524.7/19

Out: 25.506+/-0.006 χ^2/NDF:5325028.8/23

All: 26.769+/-0.005 χ^2/NDF: 9276490.0/43

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/3

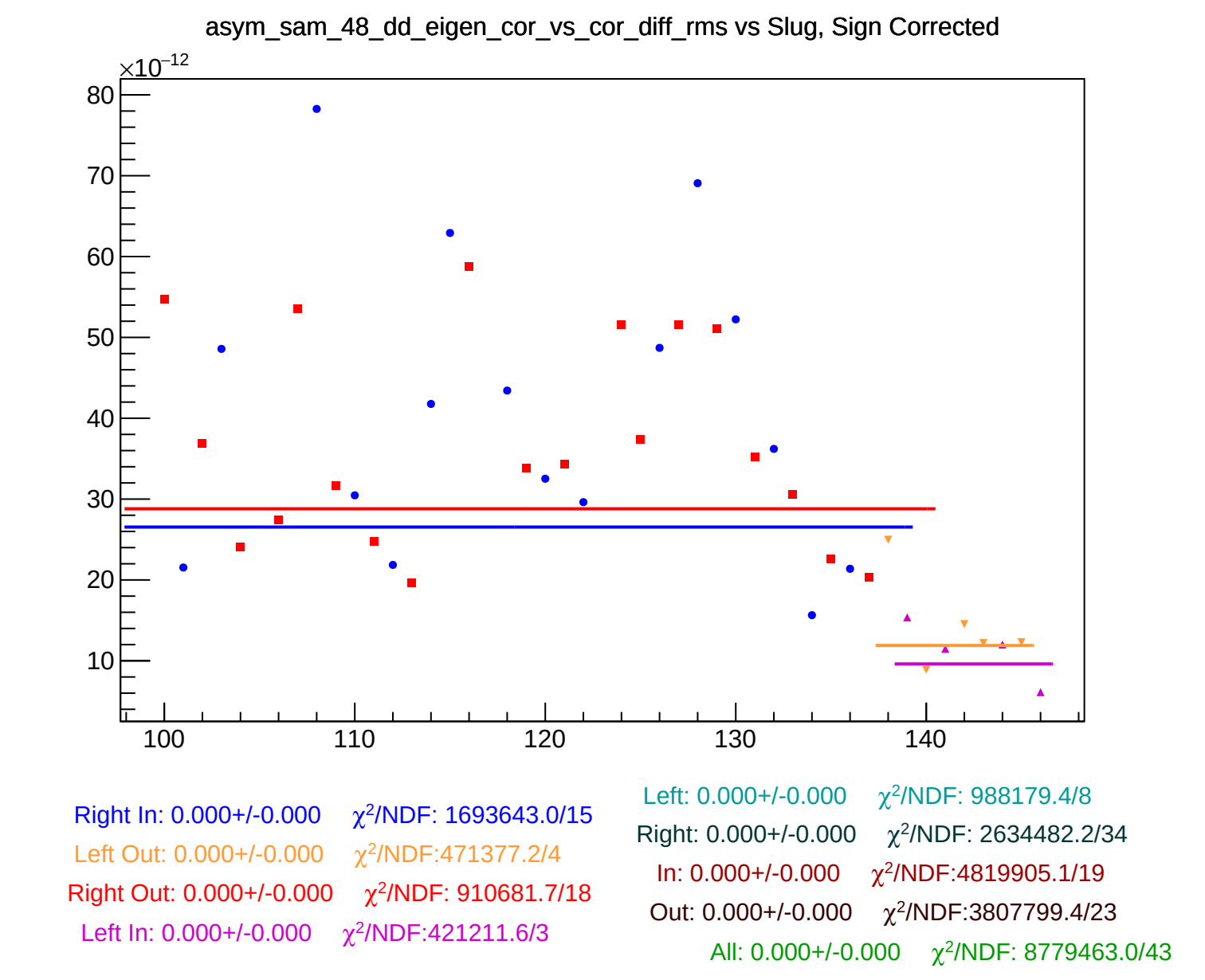
Left: 0.000+/-0.000 χ^2/NDF: 10.1/8

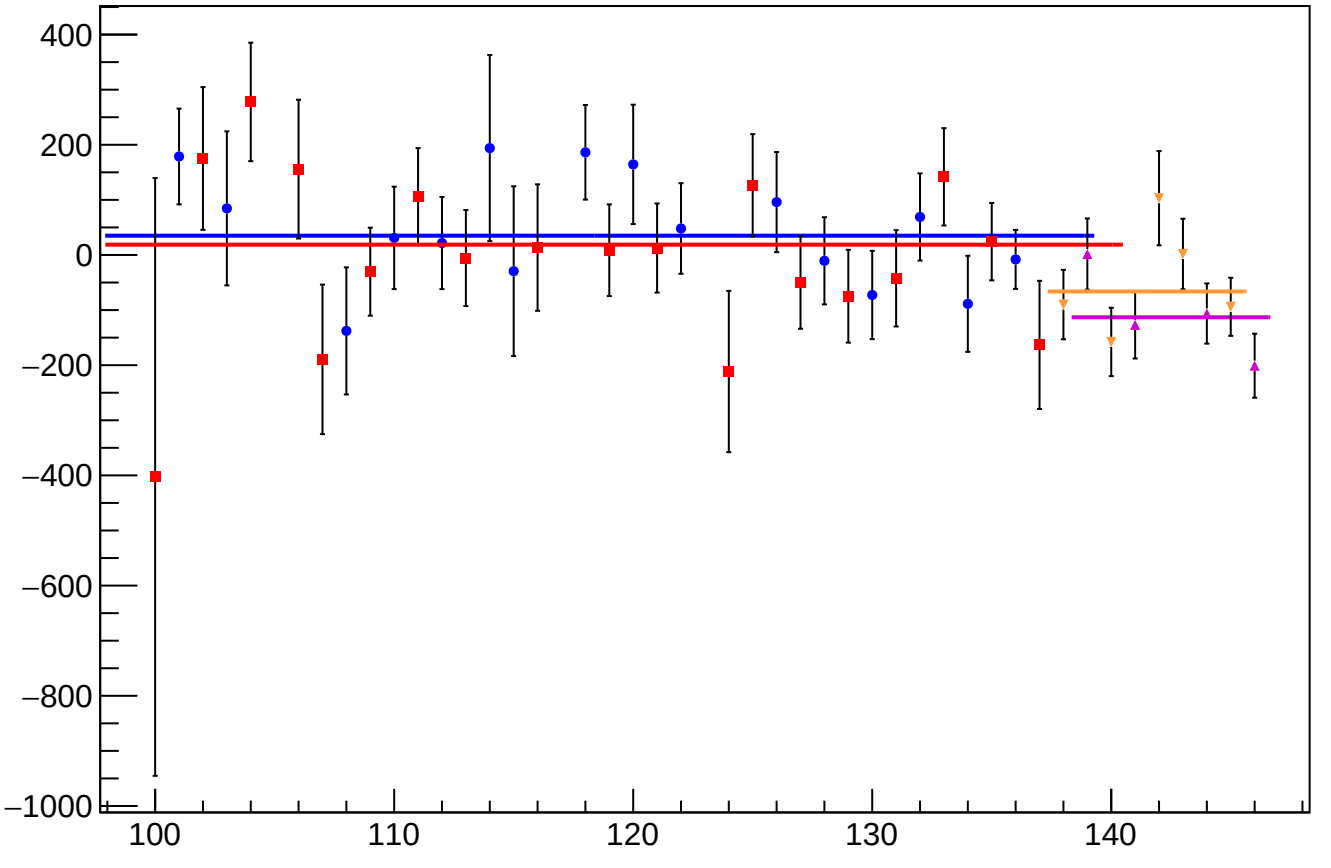
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:23.4/19

Out: -0.000+/-0.000 χ^2/NDF:22.3/23

All: -0.000+/-0.000 χ^2/NDF: 45.8/43


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
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:471377.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:421211.6/3
Left: 0.000+/-0.000 χ²/NDF: 988179.4/8
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:4819905.1/19
Out: 0.000+/-0.000 χ²/NDF:3807799.4/23
All: 0.000+/-0.000 χ²/NDF: 8779463.0/43



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -66.233+/-28.258 χ^2/NDF:7.6/4

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -113.017+/-29.634 χ^2/NDF:5.5/3

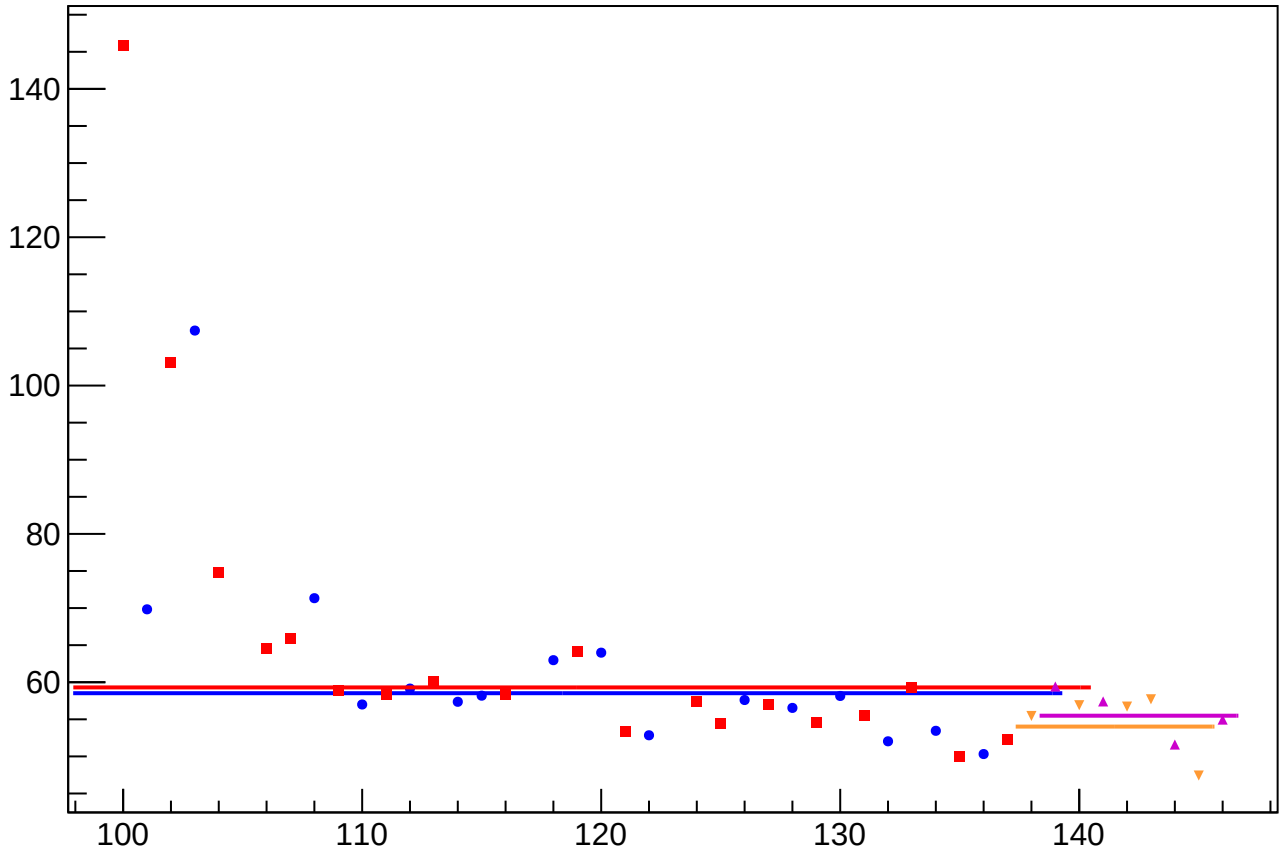
Left: -88.514+/-20.450 χ^2/NDF: 14.5/8

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -17.996+/-17.734 χ^2/NDF:37.7/19

Out: -13.607+/-17.426 χ^2/NDF:36.8/23

All: -15.763+/-12.429 χ^2/NDF: 74.5/43



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 54.021+/-0.020 χ^2/NDF:45279.8/4

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

Left: 54.720+/-0.014 χ^2/NDF: 67544.1/8

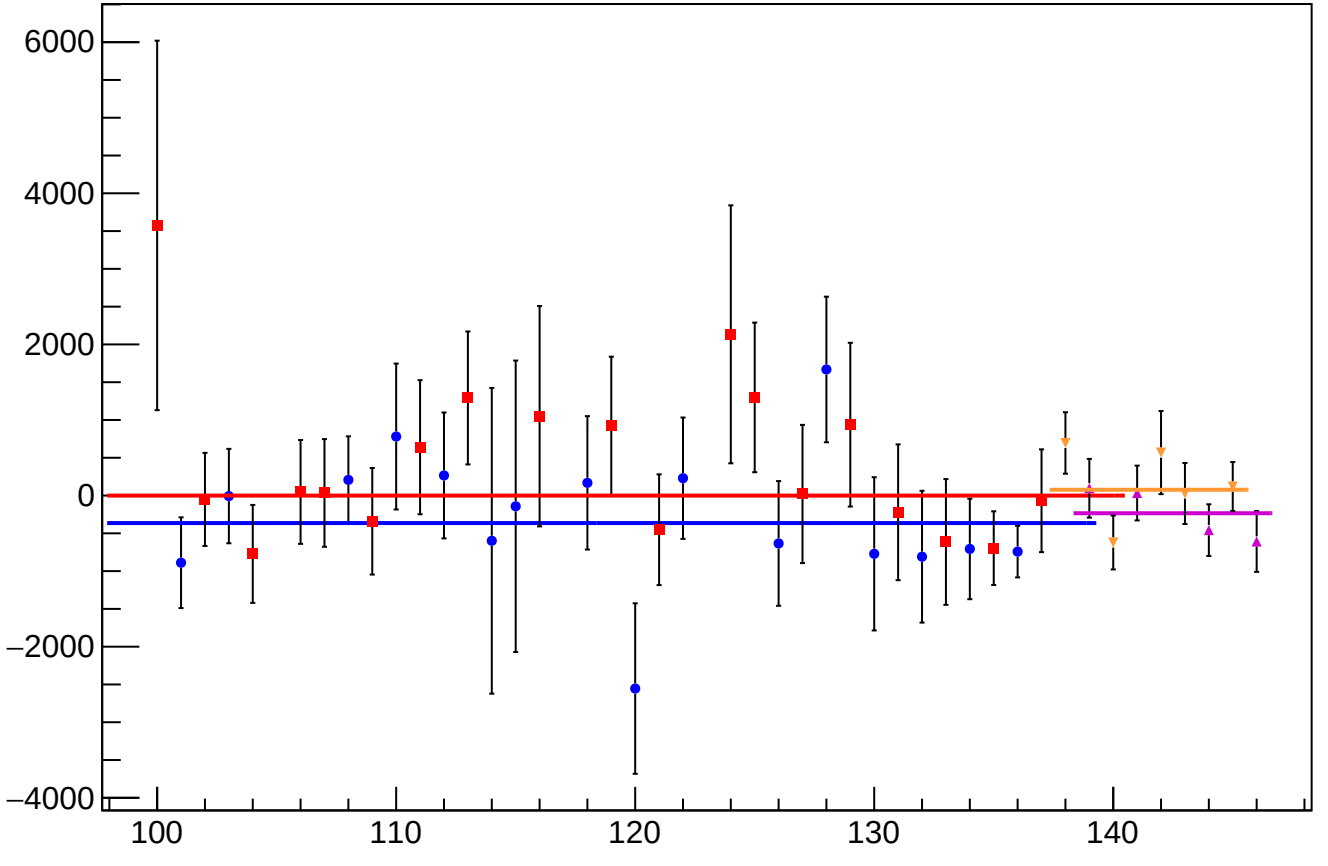
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.435+/-0.013 χ^2/NDF:425897.8/19

Out: 57.293+/-0.012 χ^2/NDF:495165.8/23

All: 57.363+/-0.009 χ^2/NDF: 921128.8/43

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: 76.454+/-174.484 χ^2/NDF:7.0/4

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -233.938+/-185.806 χ^2/NDF:2.6/3

Left: -68.998+/-127.193 χ^2/NDF: 11.0/8

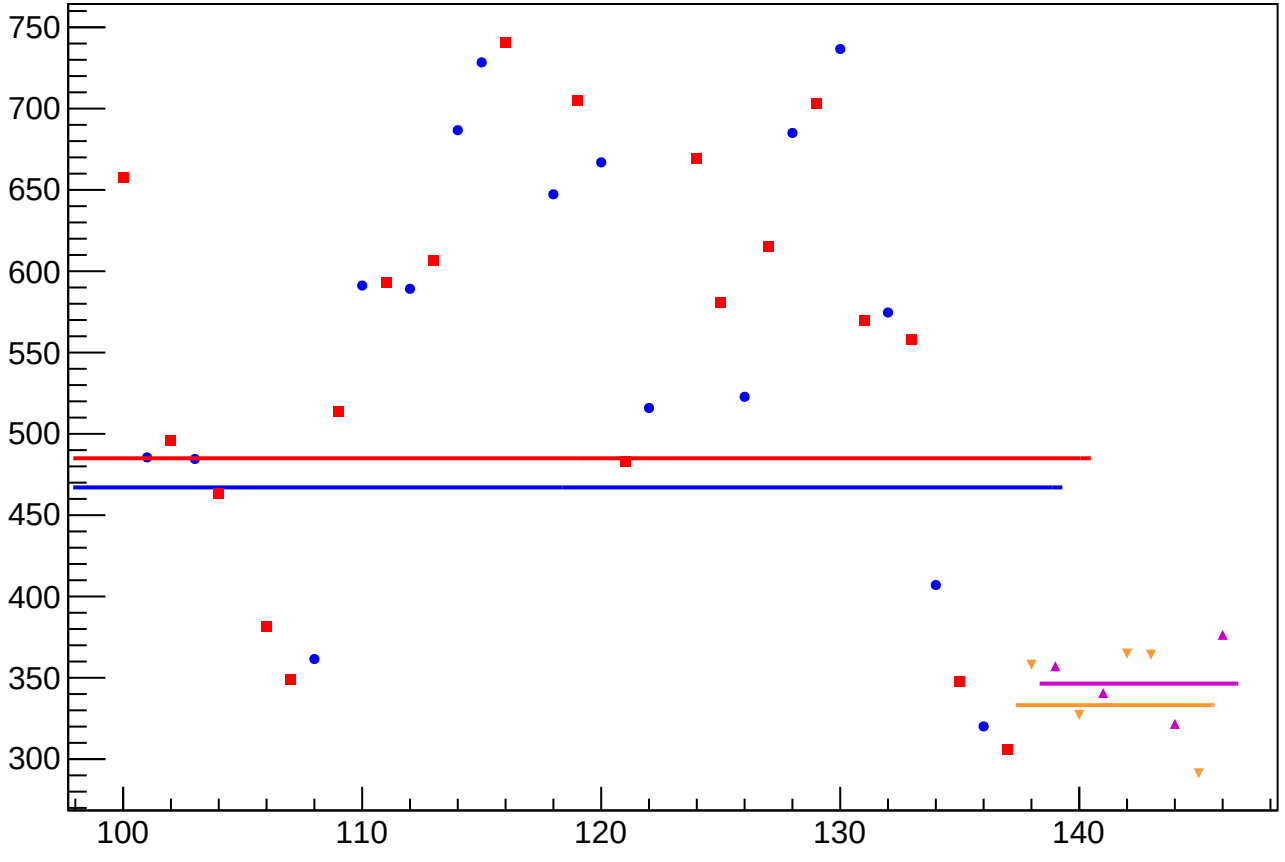
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -300.855+/-129.505 χ^2/NDF:18.0/19

Out: 39.794+/-126.310 χ^2/NDF:22.1/23

All: -126.277+/-90.423 χ^2/NDF: 43.7/43

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: 333.169+/-0.123 χ^2/NDF:60017.5/4

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 346.430+/-0.131 χ^2/NDF:23626.4/3

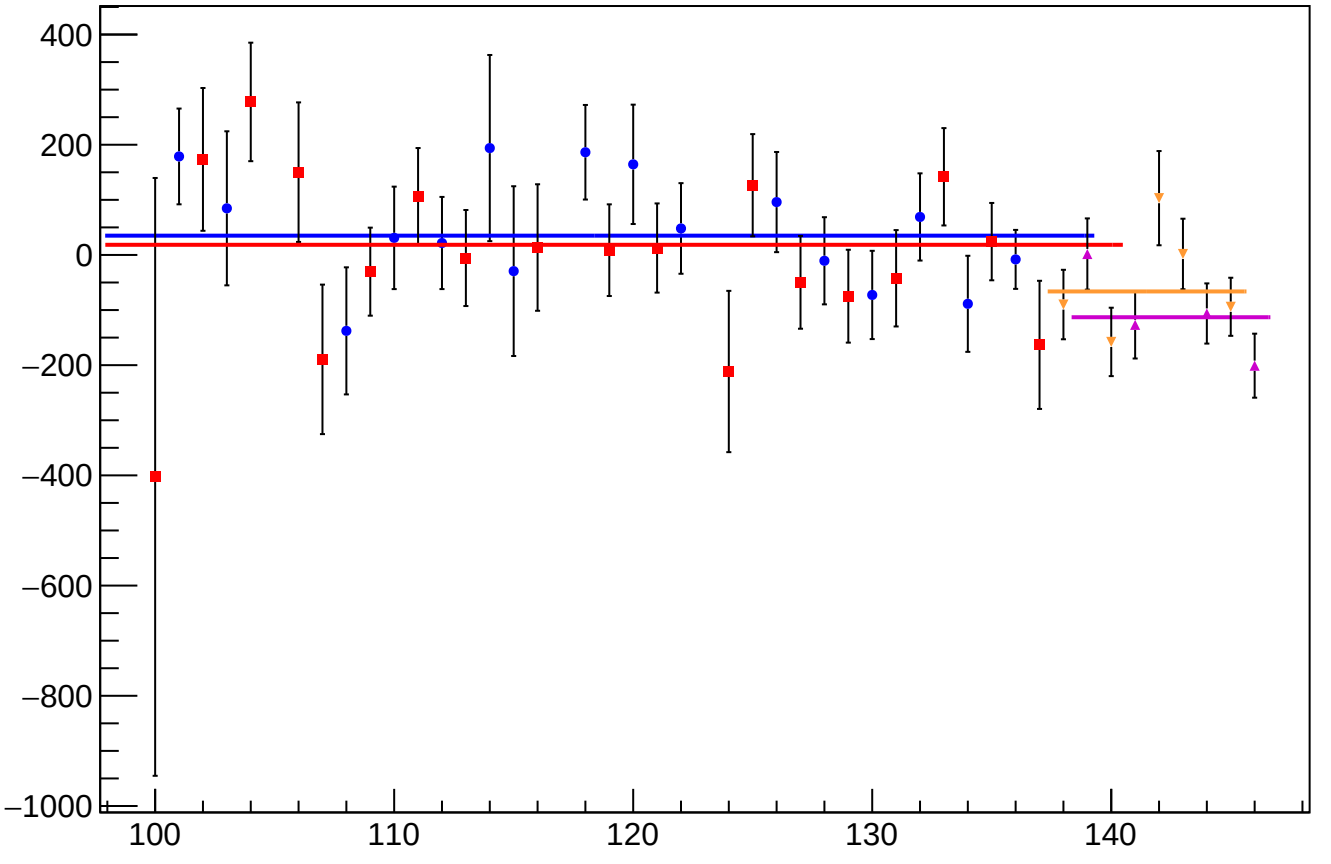
Left: 339.383+/-0.090 χ^2/NDF: 89057.2/8

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 408.463+/-0.092 χ^2/NDF:1487430.2/19

Out: 405.426+/-0.089 χ^2/NDF:1654733.9/23

All: 406.906+/-0.064 χ^2/NDF: 3142727.6/43



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -66.233+/-28.258 χ^2/NDF:7.6/4

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -113.020+/-29.634 χ^2/NDF:5.5/3

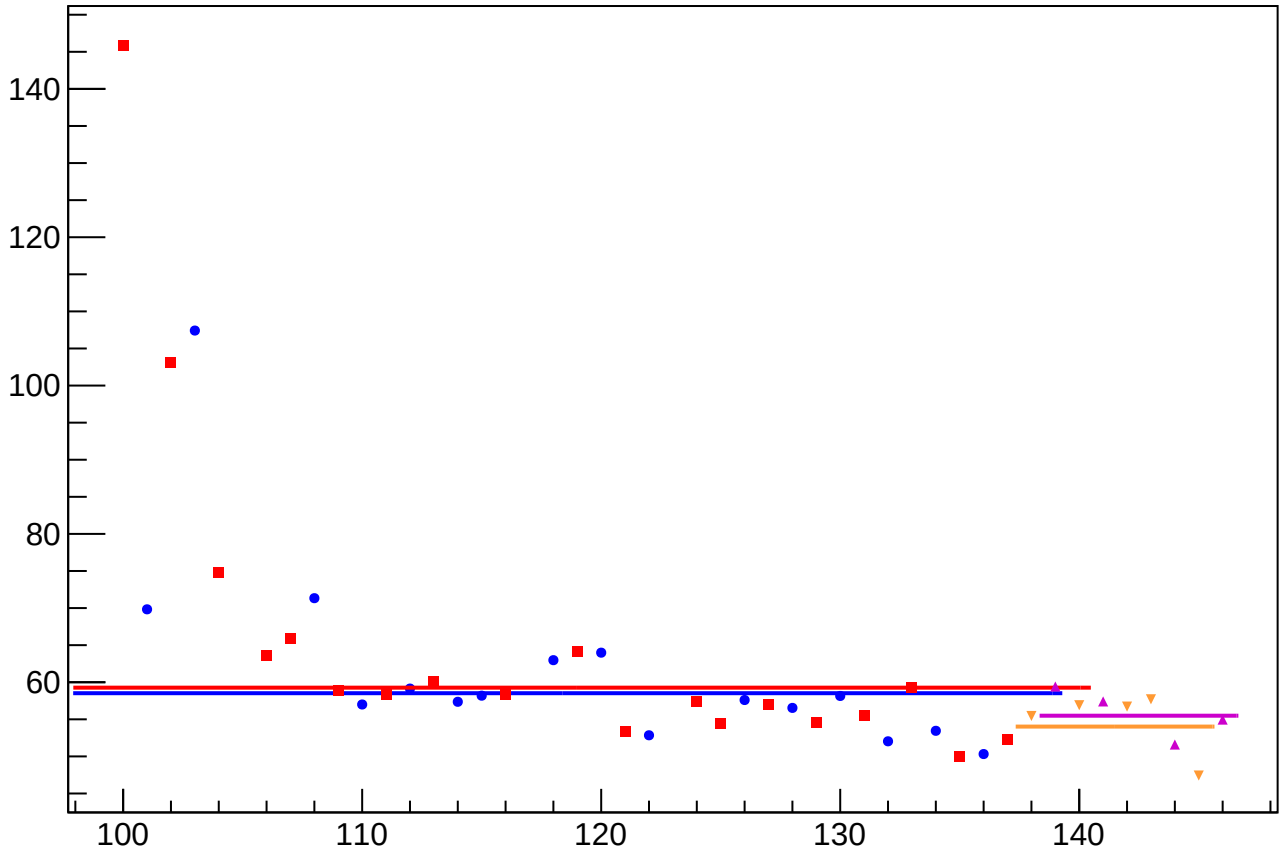
Left: -88.515+/-20.450 χ^2/NDF: 14.5/8

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -17.997+/-17.734 χ^2/NDF:37.7/19

Out: -13.784+/-17.428 χ^2/NDF:36.6/23

All: -15.854+/-12.430 χ^2/NDF: 74.3/43



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 54.021+/-0.020 χ^2/NDF:45279.8/4

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

Left: 54.720+/-0.014 χ^2/NDF: 67544.1/8

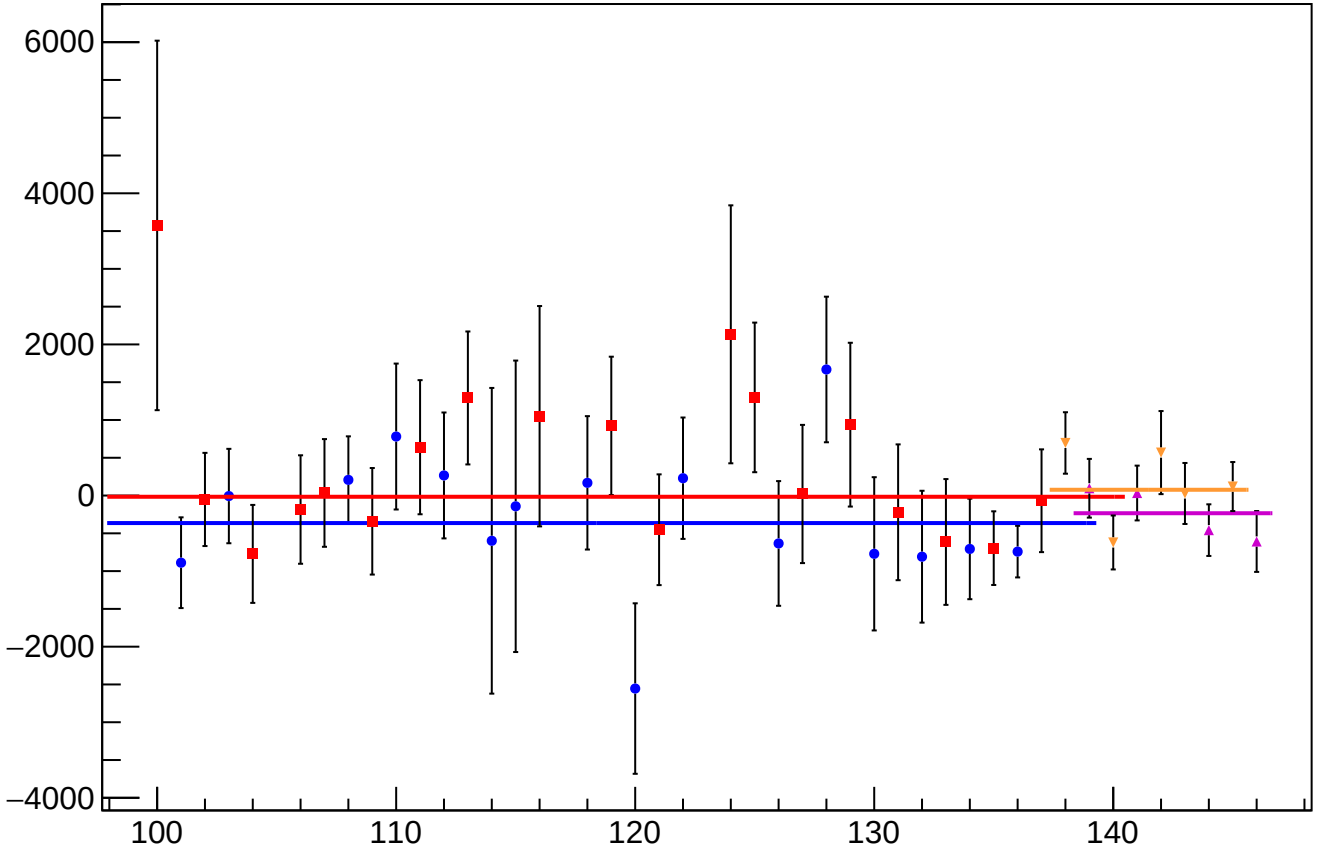
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.435+/-0.013 χ^2/NDF:425899.8/19

Out: 57.273+/-0.012 χ^2/NDF:493644.5/23

All: 57.353+/-0.009 χ^2/NDF: 919629.4/43

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: 76.451+/-174.484 χ^2/NDF:7.0/4

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -233.936+/-185.806 χ^2/NDF:2.6/3

Left: -68.998+/-127.193 χ^2/NDF: 11.0/8

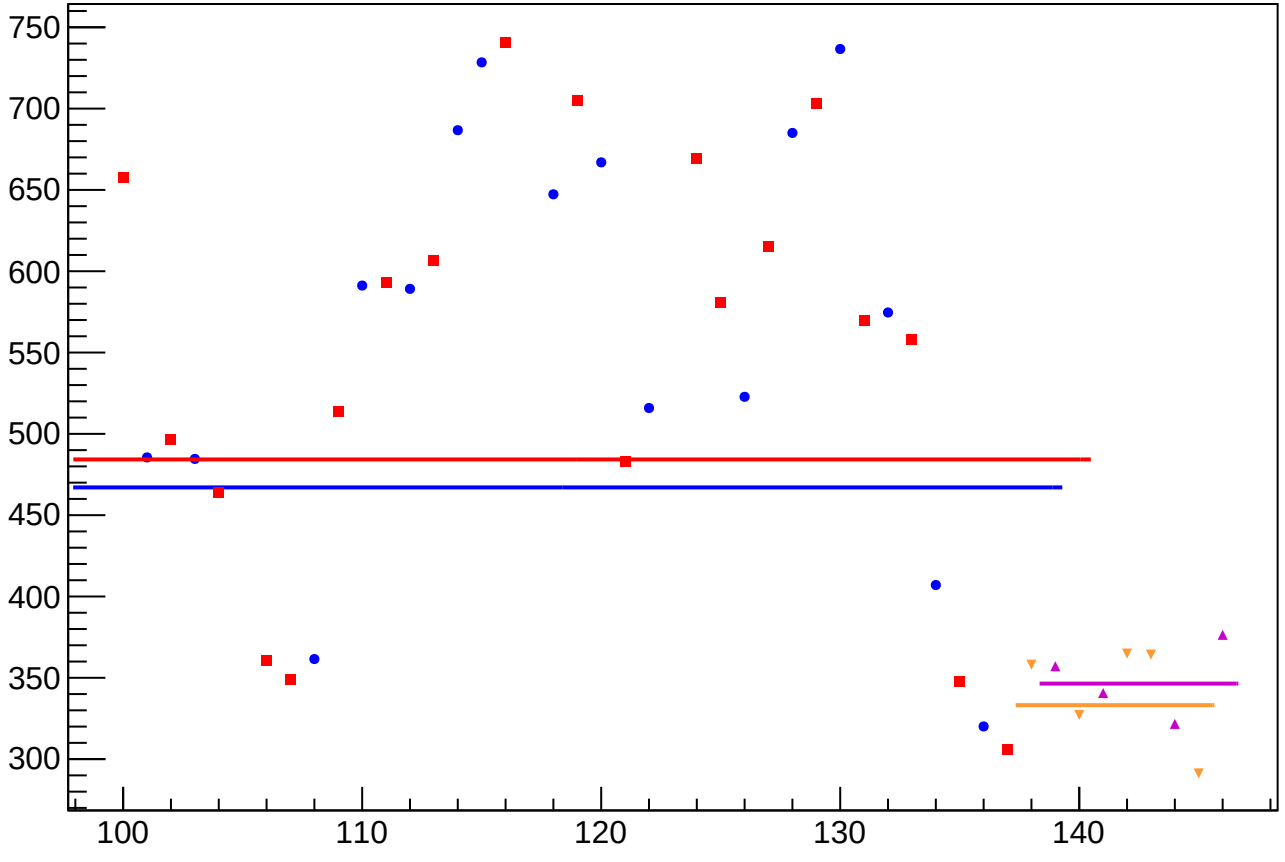
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -300.835+/-129.506 χ^2/NDF:18.0/19

Out: 32.549+/-126.495 χ^2/NDF:22.2/23

All: -130.224+/-90.491 χ^2/NDF: 43.7/43

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: 333.169+/-0.123 χ^2/NDF:60018.1/4

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 346.430+/-0.131 χ^2/NDF:23626.7/3

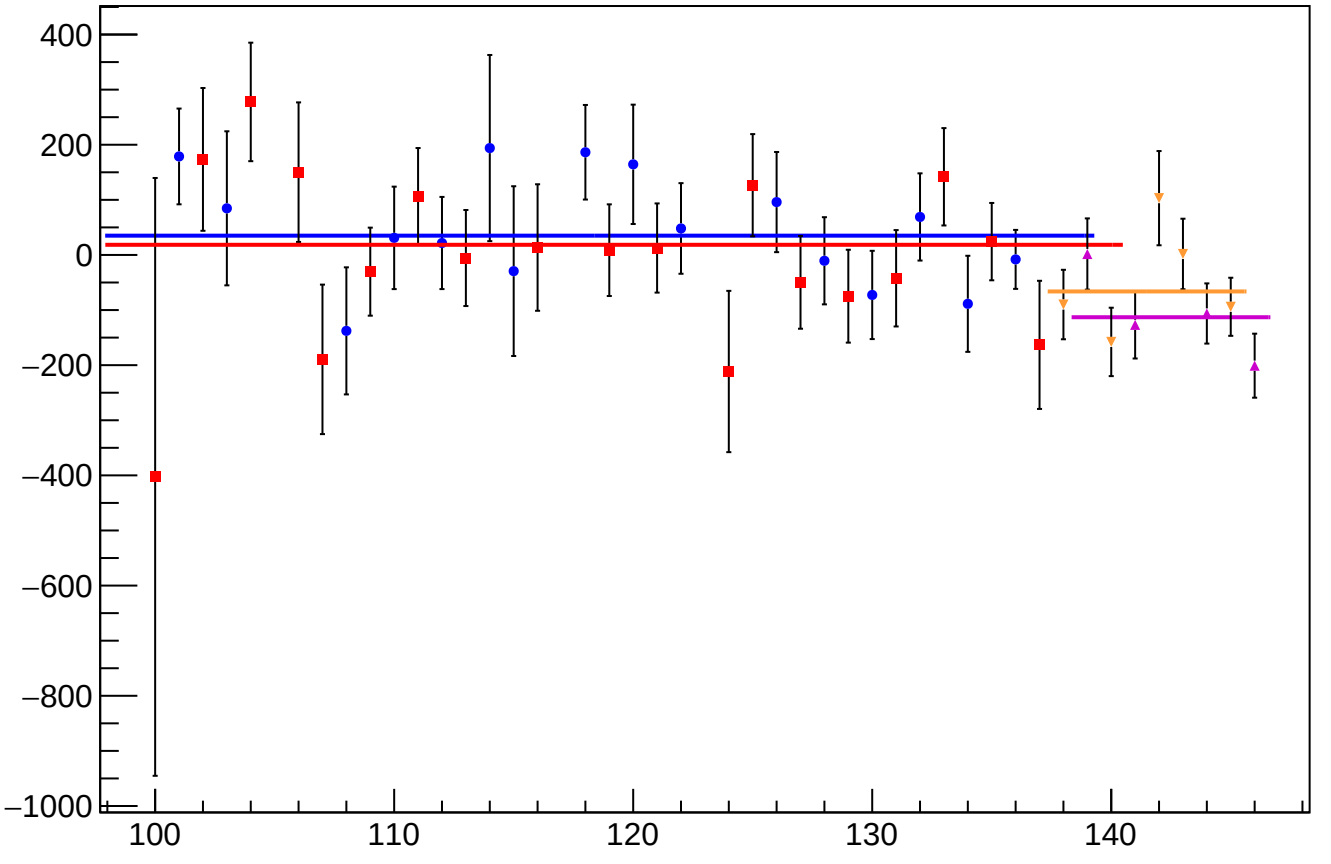
Left: 339.383+/-0.090 χ^2/NDF: 89058.2/8

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 408.464+/-0.092 χ^2/NDF:1487447.9/19

Out: 404.857+/-0.089 χ^2/NDF:1660418.7/23

All: 406.618+/-0.064 χ^2/NDF: 3148660.6/43



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -66.233+/-28.258 χ^2/NDF:7.6/4

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -113.020+/-29.634 χ^2/NDF:5.5/3

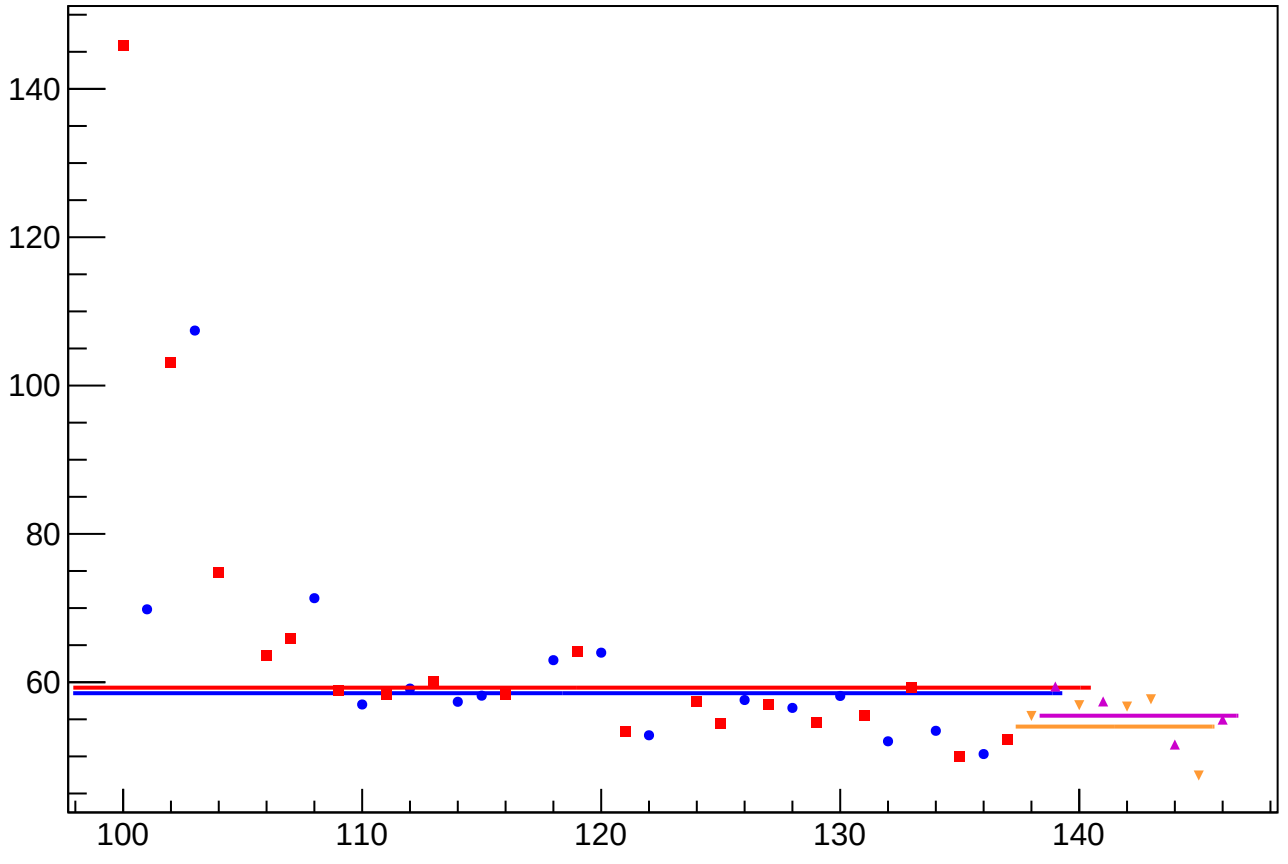
Left: -88.515+/-20.450 χ^2/NDF: 14.5/8

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -17.997+/-17.734 χ^2/NDF:37.7/19

Out: -13.784+/-17.428 χ^2/NDF:36.6/23

All: -15.854+/-12.430 χ^2/NDF: 74.3/43



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 54.021+/-0.020 χ^2/NDF:45279.8/4

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

Left: 54.720+/-0.014 χ^2/NDF: 67544.1/8

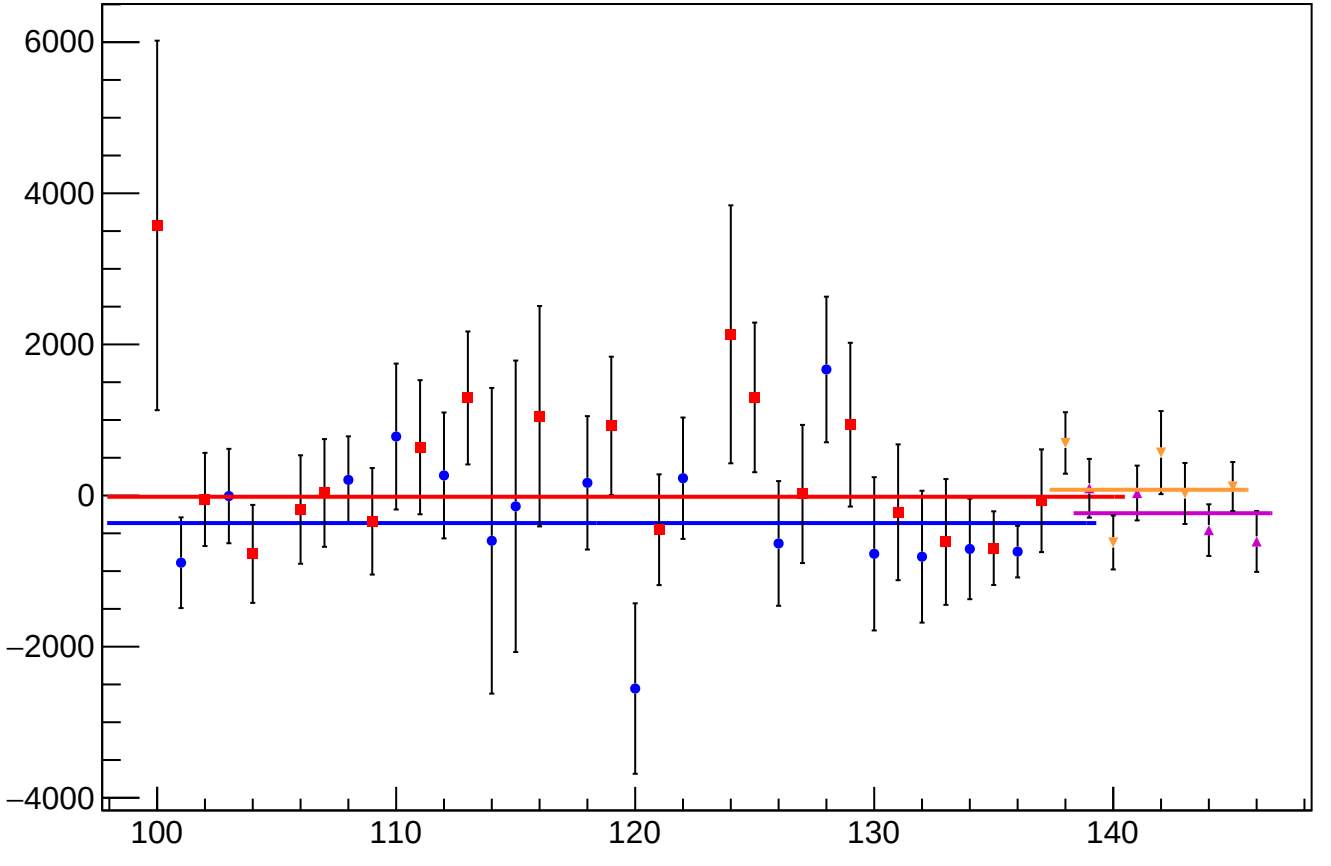
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.435+/-0.013 χ^2/NDF:425899.8/19

Out: 57.273+/-0.012 χ^2/NDF:493644.5/23

All: 57.353+/-0.009 χ^2/NDF: 919629.4/43

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: 76.451+/-174.484 χ^2/NDF:7.0/4

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -233.936+/-185.806 χ^2/NDF:2.6/3

Left: -68.998+/-127.193 χ^2/NDF: 11.0/8

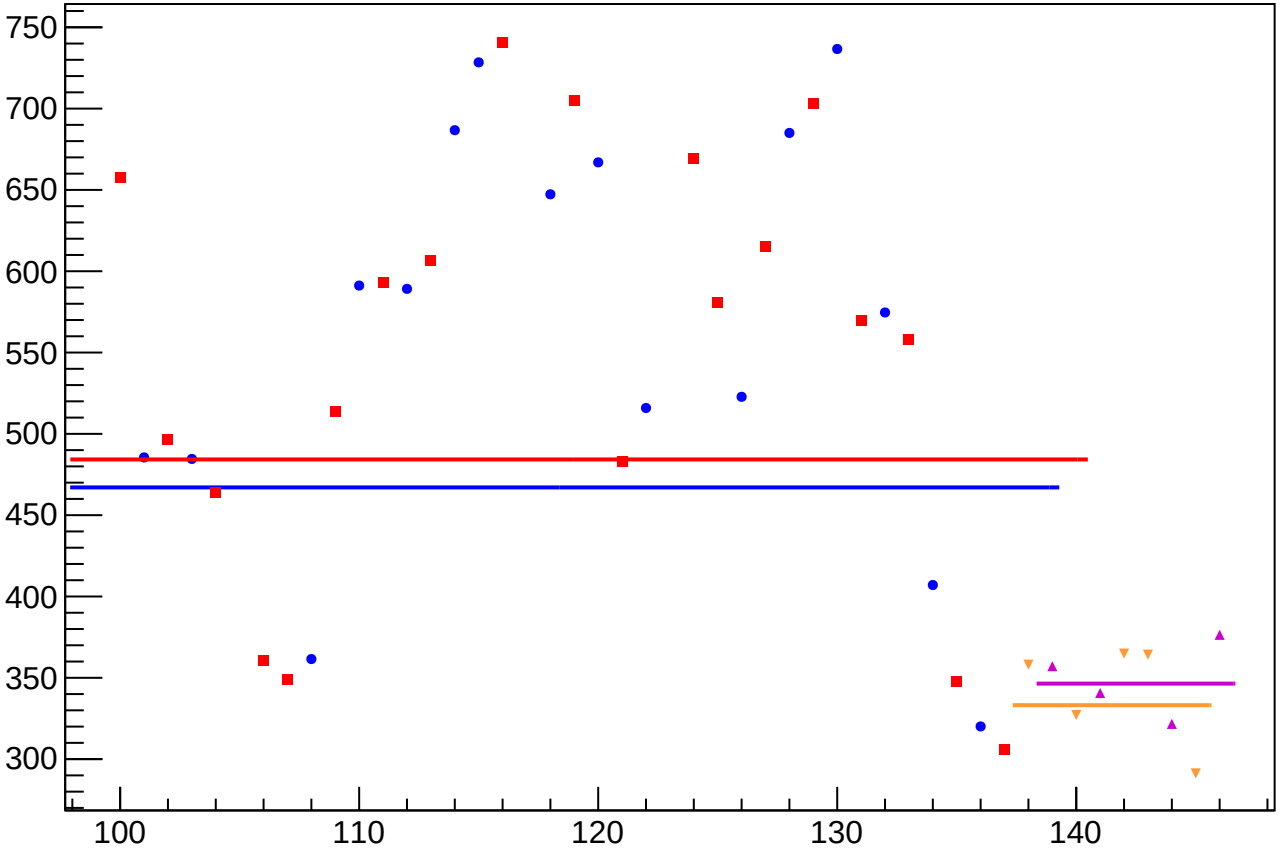
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -300.835+/-129.506 χ^2/NDF:18.0/19

Out: 32.549+/-126.495 χ^2/NDF:22.2/23

All: -130.224+/-90.491 χ^2/NDF: 43.7/43

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: 333.169+/-0.123 χ^2/NDF:60018.1/4

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 346.430+/-0.131 χ^2/NDF:23626.7/3

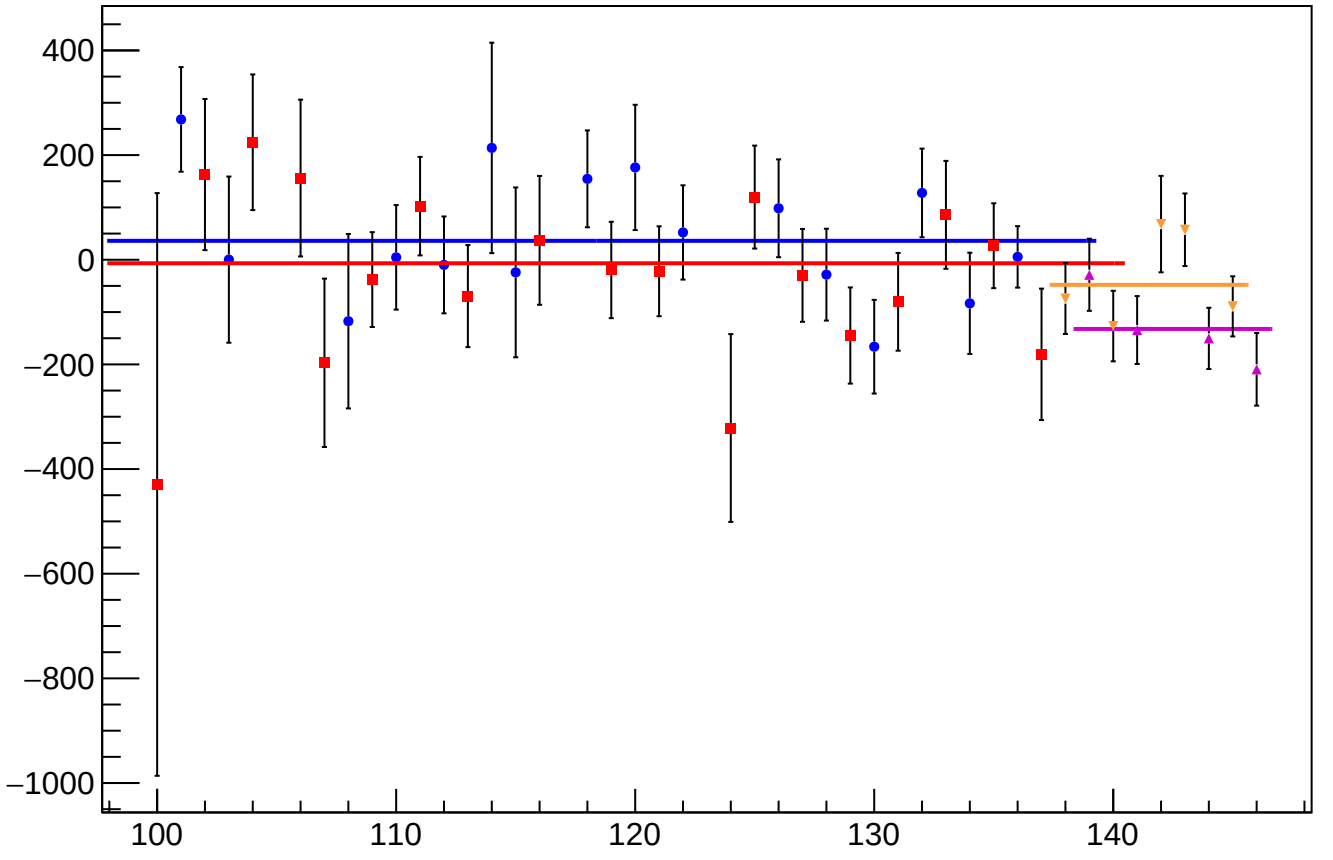
Left: 339.383+/-0.090 χ^2/NDF: 89058.2/8

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 408.464+/-0.092 χ^2/NDF:1487447.9/19

Out: 404.857+/-0.089 χ^2/NDF:1660418.7/23

All: 406.618+/-0.064 χ^2/NDF: 3148660.6/43



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -47.910+/-30.612 χ^2/NDF:5.9/4

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -132.241+/-32.474 χ^2/NDF:3.6/3

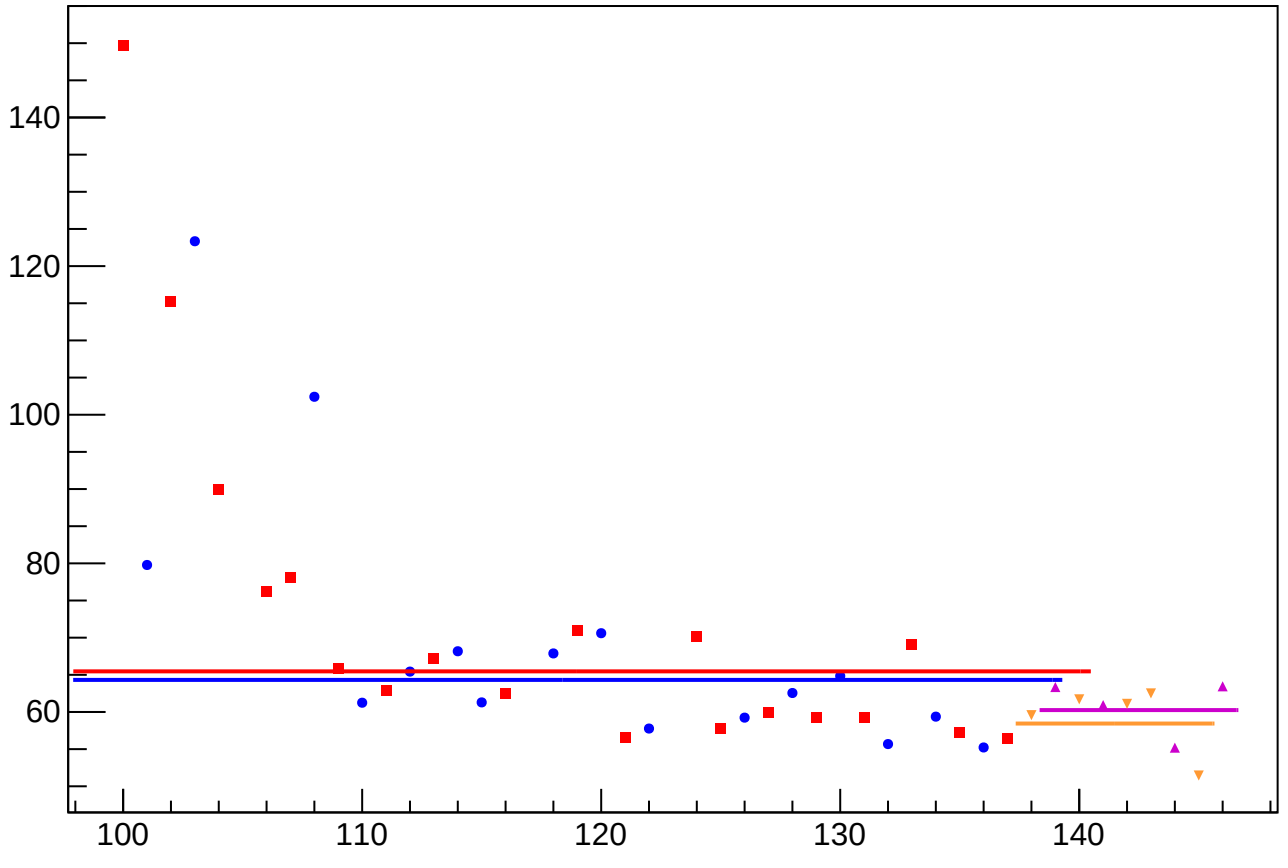
Left: -87.589+/-22.275 χ^2/NDF: 13.1/8

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -24.835+/-19.544 χ^2/NDF:40.4/19

Out: -22.863+/-19.159 χ^2/NDF:27.4/23

All: -23.829+/-13.681 χ^2/NDF: 67.8/43



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 58.443+/-0.022 χ^2/NDF:43342.4/4

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 60.255+/-0.023 χ^2/NDF:23466.0/3

Left: 59.296+/-0.016 χ^2/NDF: 70102.7/8

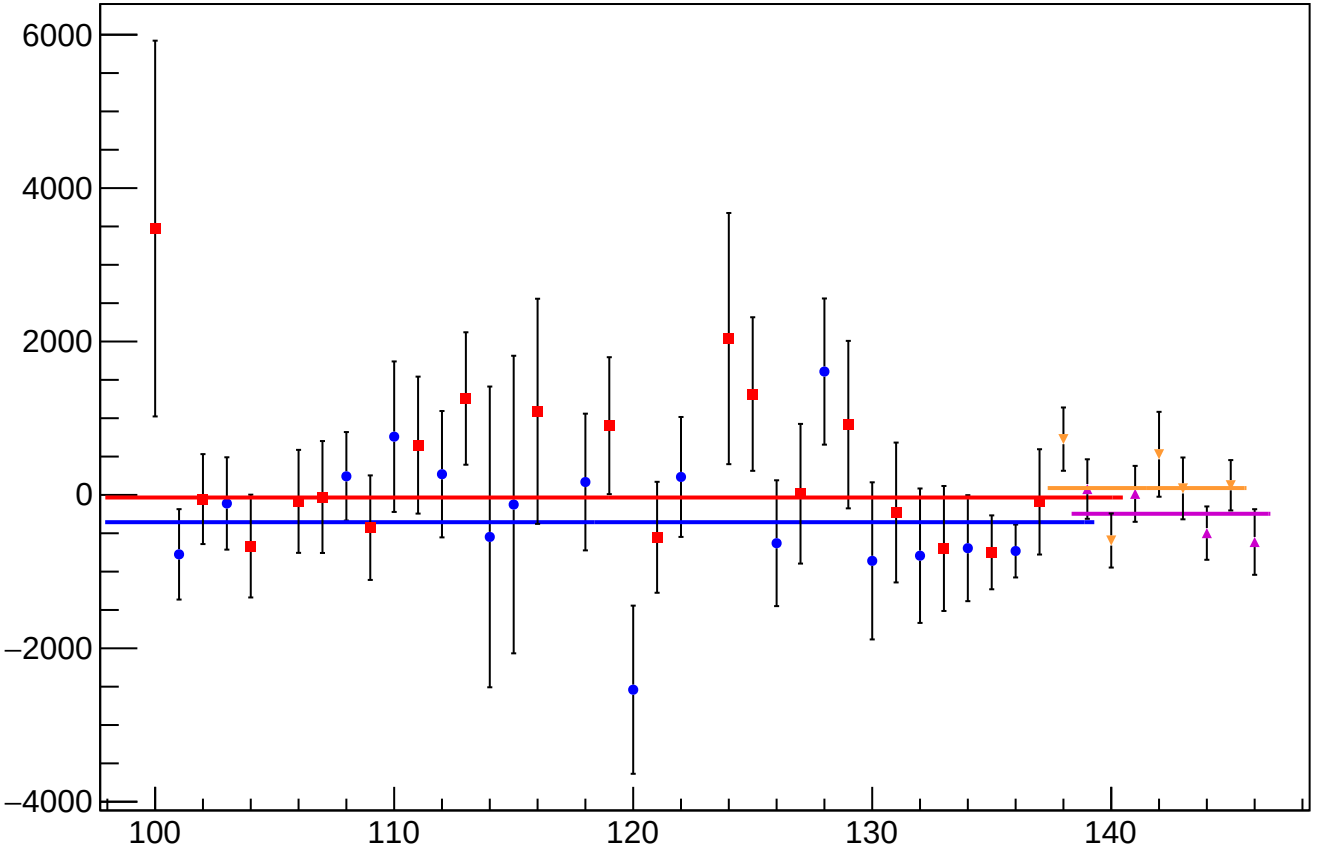
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.845+/-0.014 χ^2/NDF:575485.5/19

Out: 62.715+/-0.014 χ^2/NDF:589728.4/23

All: 62.779+/-0.010 χ^2/NDF: 1165259.0/43

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: 89.357+/-175.112 χ^2/NDF:6.8/4

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -245.878+/-189.342 χ^2/NDF:2.5/3

Left: -65.191+/-128.560 χ^2/NDF: 10.9/8

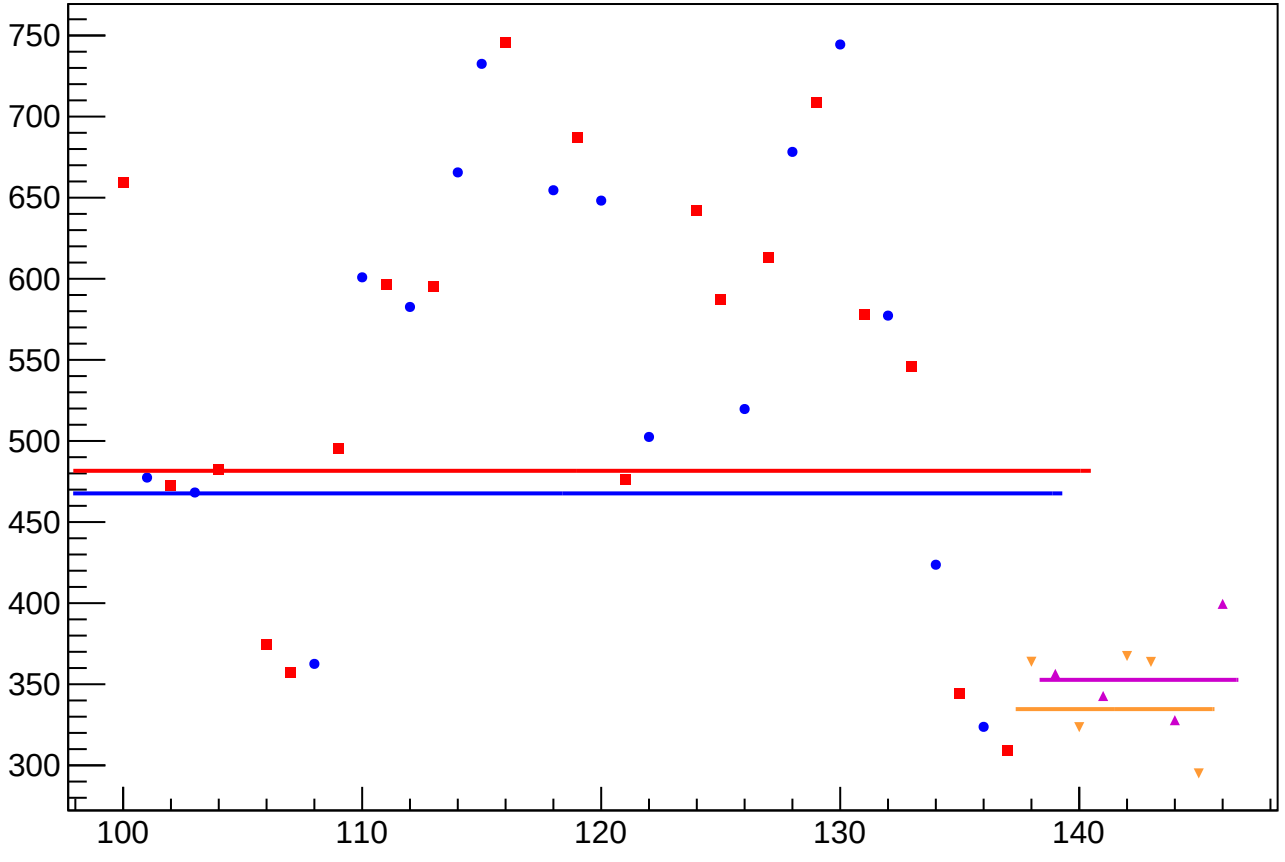
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -303.374+/-130.584 χ^2/NDF:17.4/19

Out: 30.011+/-126.041 χ^2/NDF:22.4/23

All: -130.781+/-90.688 χ^2/NDF: 43.2/43

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: 334.669+/-0.124 χ^2/NDF:58610.5/4

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 352.720+/-0.134 χ^2/NDF:35892.7/3

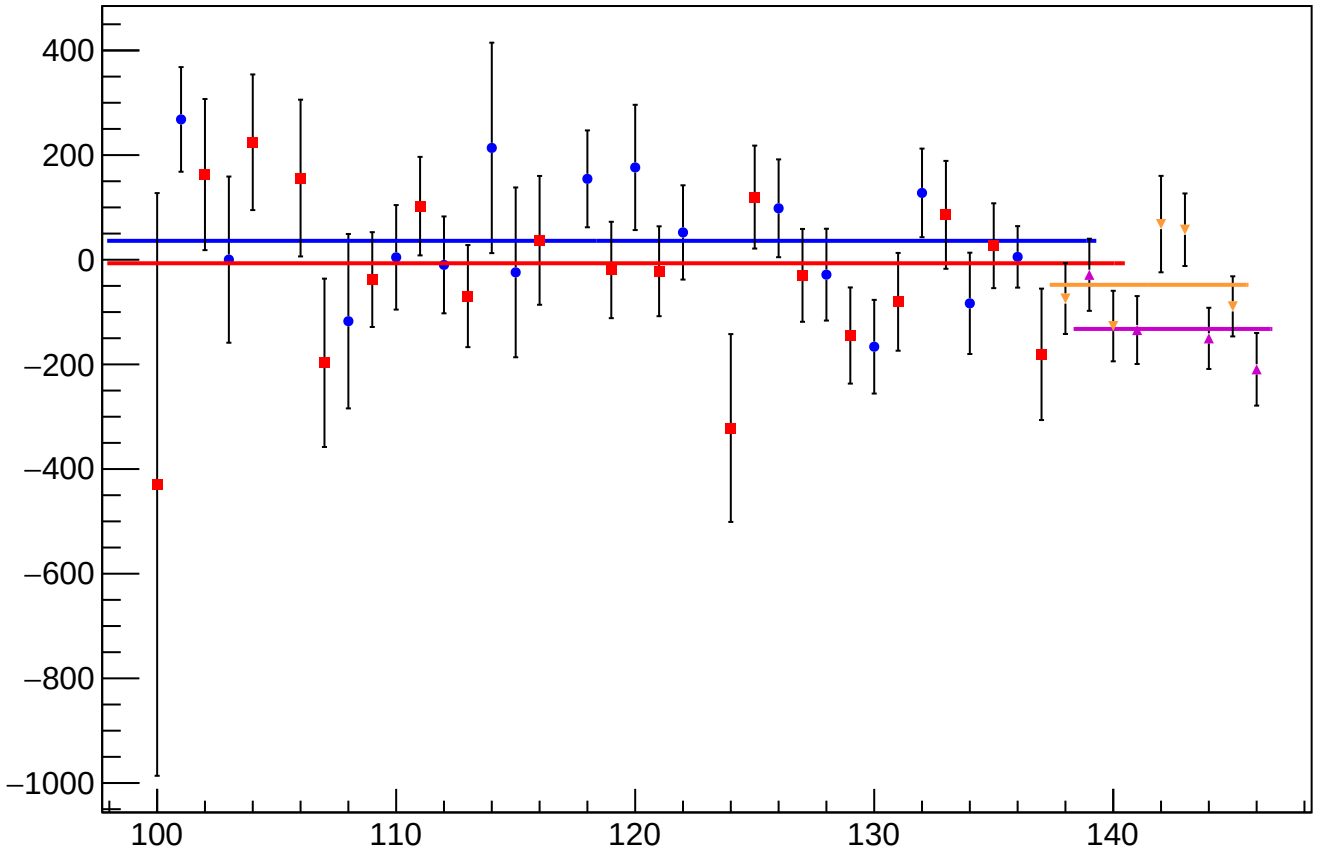
Left: 342.990+/-0.091 χ^2/NDF: 104300.7/8

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 412.996+/-0.092 χ^2/NDF:1408390.7/19

Out: 405.479+/-0.089 χ^2/NDF:1591474.1/23

All: 409.104+/-0.064 χ^2/NDF: 3003296.6/43



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -47.910+/-30.612 χ^2/NDF:5.9/4

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -132.241+/-32.474 χ^2/NDF:3.6/3

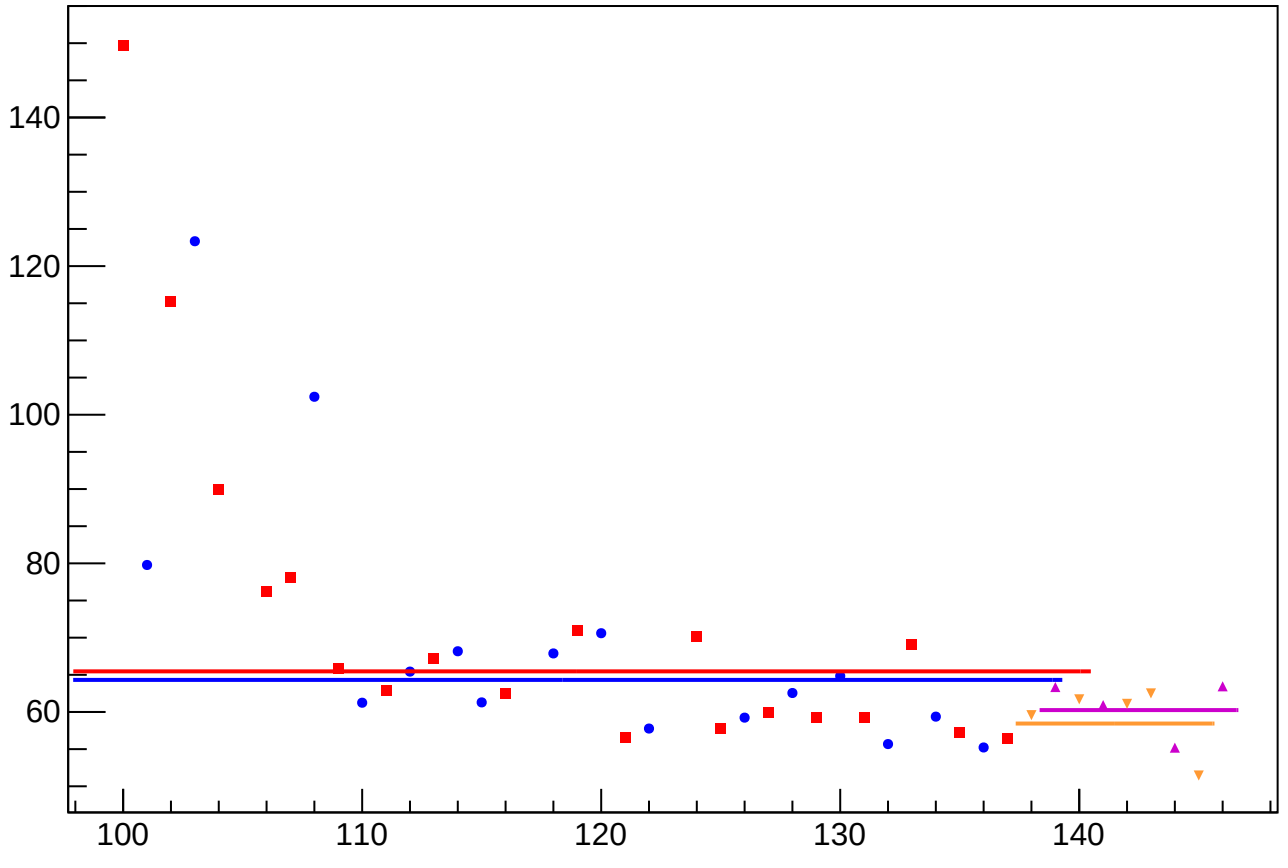
Left: -87.589+/-22.275 χ^2/NDF: 13.1/8

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -24.834+/-19.544 χ^2/NDF:40.4/19

Out: -22.863+/-19.159 χ^2/NDF:27.4/23

All: -23.829+/-13.681 χ^2/NDF: 67.8/43



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 58.444+/-0.022 χ^2/NDF:43343.5/4

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 60.255+/-0.023 χ^2/NDF:23467.0/3

Left: 59.296+/-0.016 χ^2/NDF: 70104.8/8

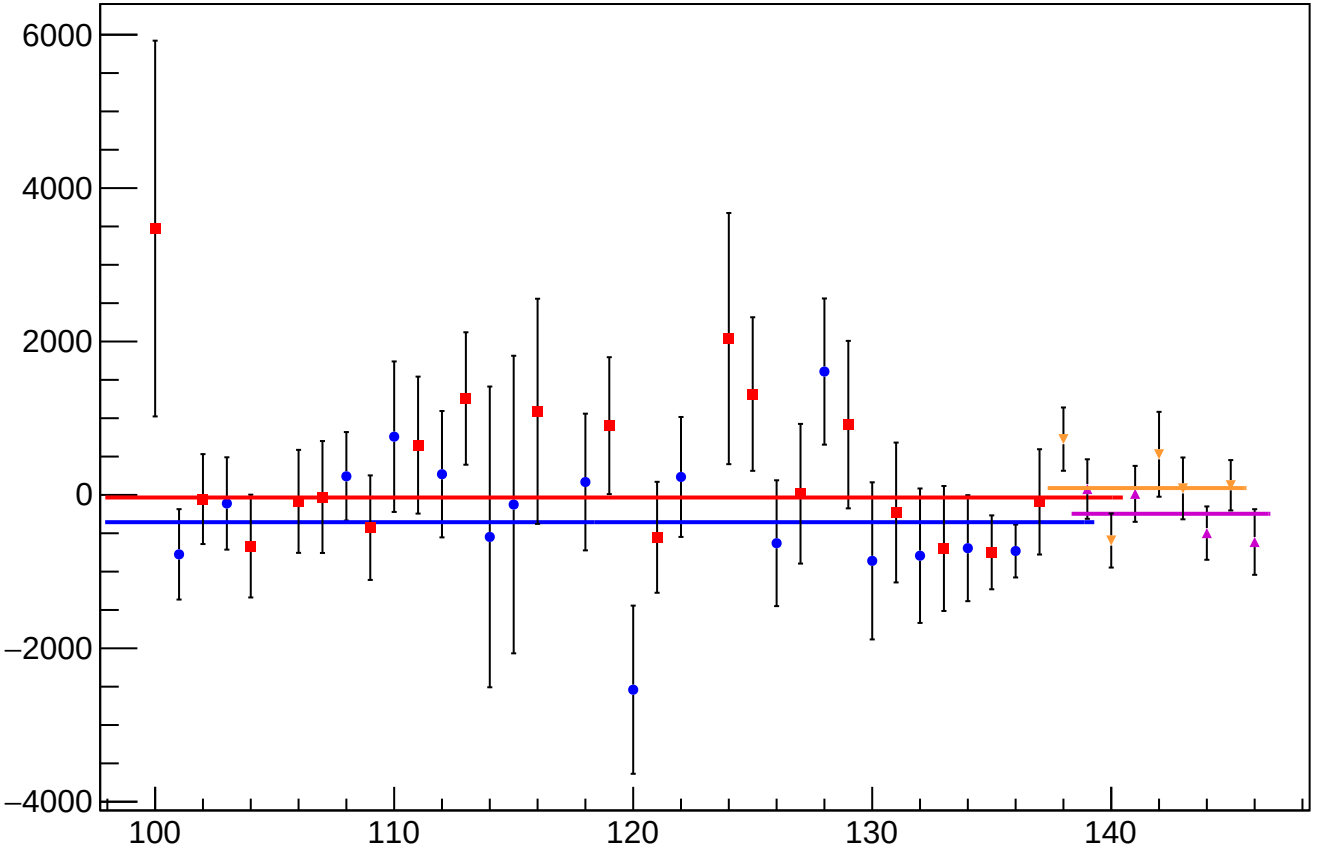
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.845+/-0.014 χ^2/NDF:575493.5/19

Out: 62.715+/-0.014 χ^2/NDF:589733.2/23

All: 62.779+/-0.010 χ^2/NDF: 1165271.8/43

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: 89.356+/-175.112 χ^2/NDF:6.8/4

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -245.878+/-189.343 χ^2/NDF:2.5/3

Left: -65.192+/-128.560 χ^2/NDF: 10.9/8

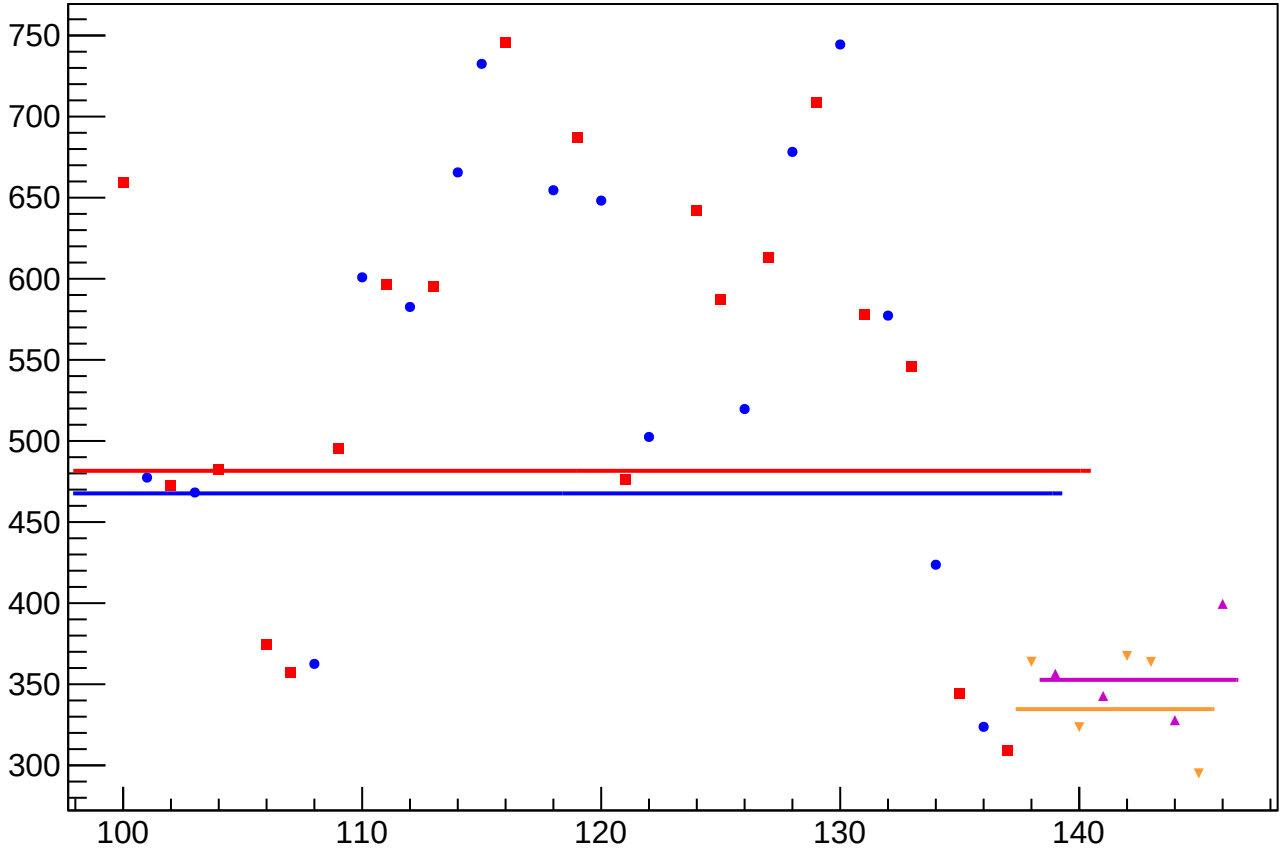
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -303.374+/-130.584 χ^2/NDF:17.4/19

Out: 30.010+/-126.041 χ^2/NDF:22.4/23

All: -130.782+/-90.688 χ^2/NDF: 43.2/43

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: 334.669+/-0.124 χ^2/NDF:58610.5/4

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 352.720+/-0.134 χ^2/NDF:35892.8/3

Left: 342.991+/-0.091 χ^2/NDF: 104301.0/8

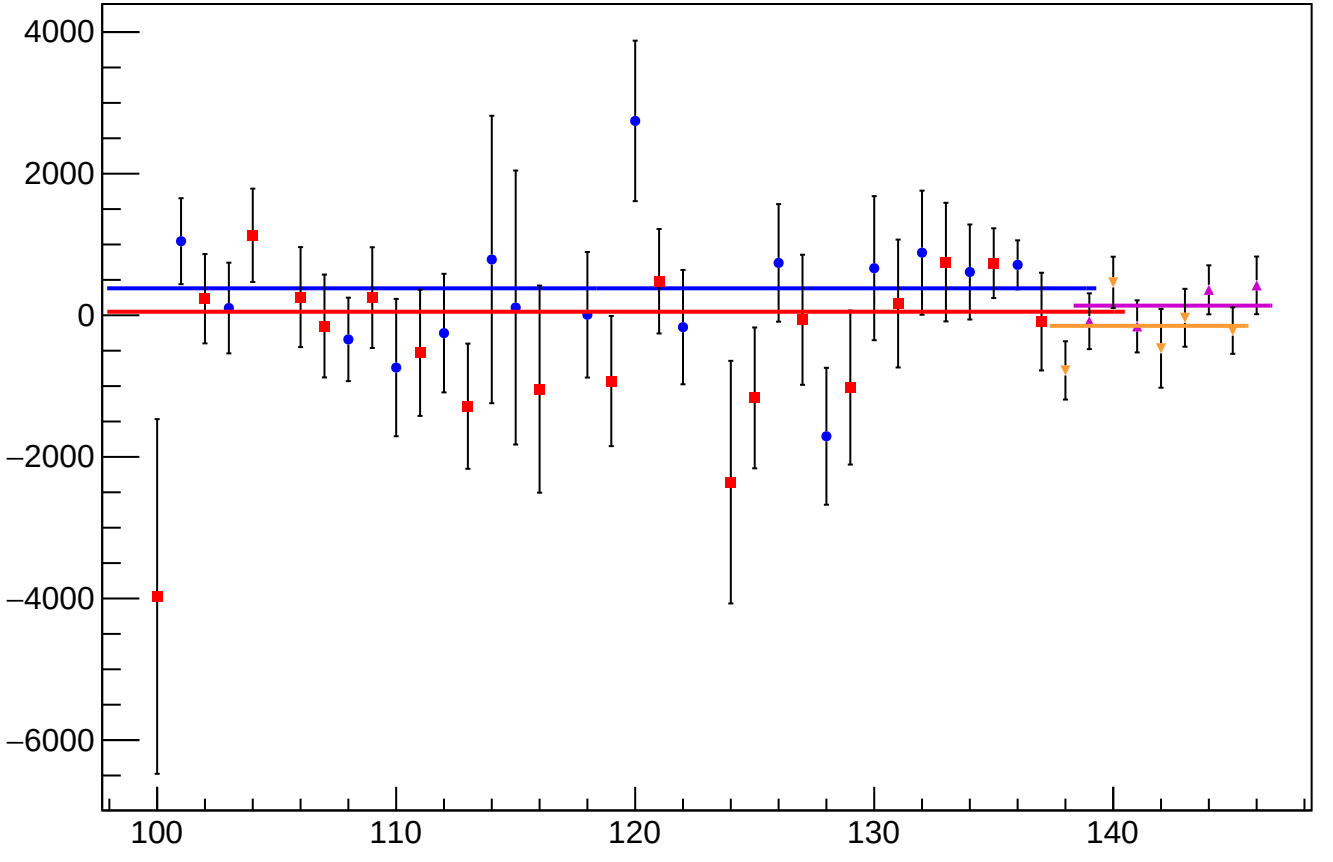
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 412.997+/-0.092 χ^2/NDF:1408385.4/19

Out: 405.478+/-0.089 χ^2/NDF:1591465.7/23

All: 409.104+/-0.064 χ^2/NDF: 3003283.1/43

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -148.929+/-176.801 χ^2/NDF:5.7/4

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: 136.487+/-188.232 χ^2/NDF:1.9/3

Left: -15.151+/-128.869 χ^2/NDF: 8.7/8

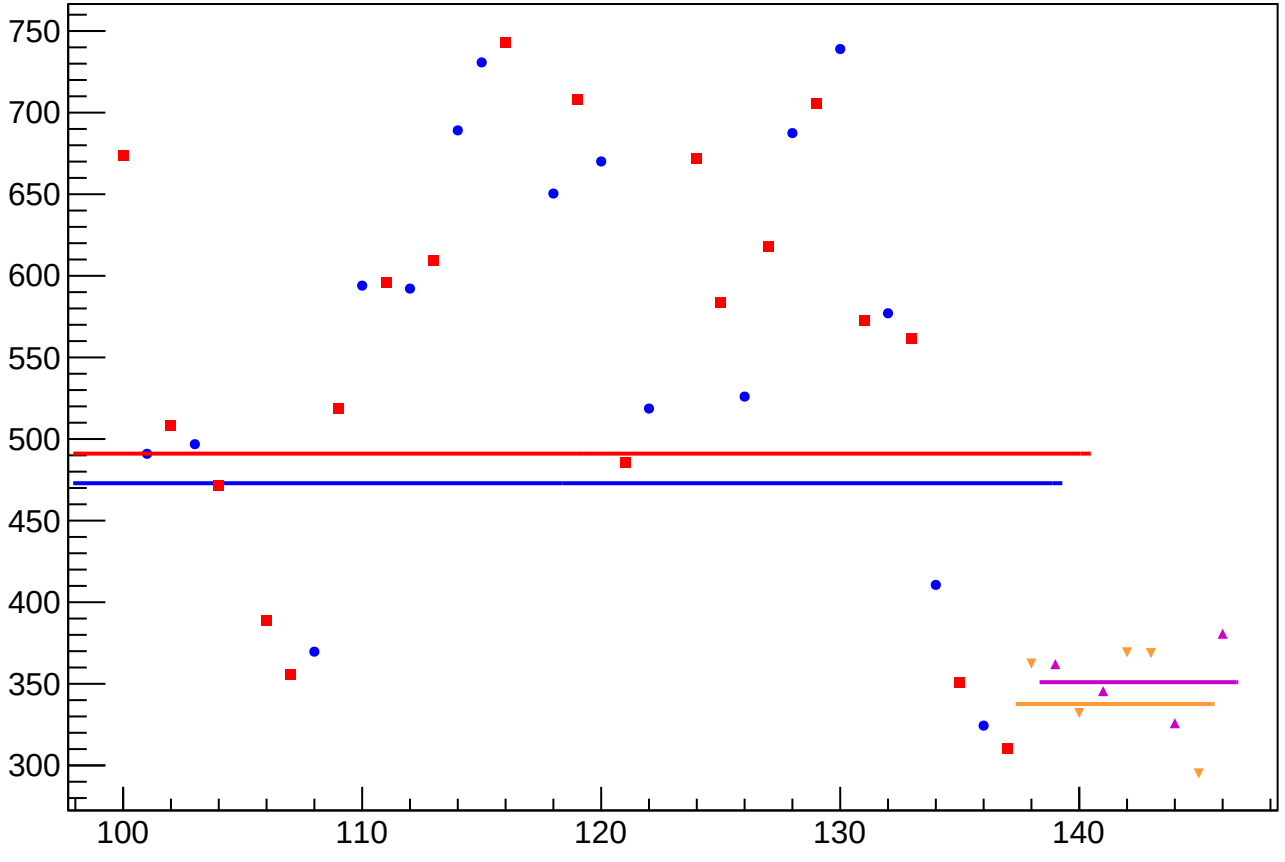
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 262.464+/-131.084 χ^2/NDF:18.9/19

Out: -53.924+/-127.904 χ^2/NDF:23.7/23

All: 100.385+/-91.545 χ^2/NDF: 45.6/43

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 337.622+/-0.125 χ^2/NDF:59301.5/4

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 351.006+/-0.133 χ^2/NDF:23217.7/3

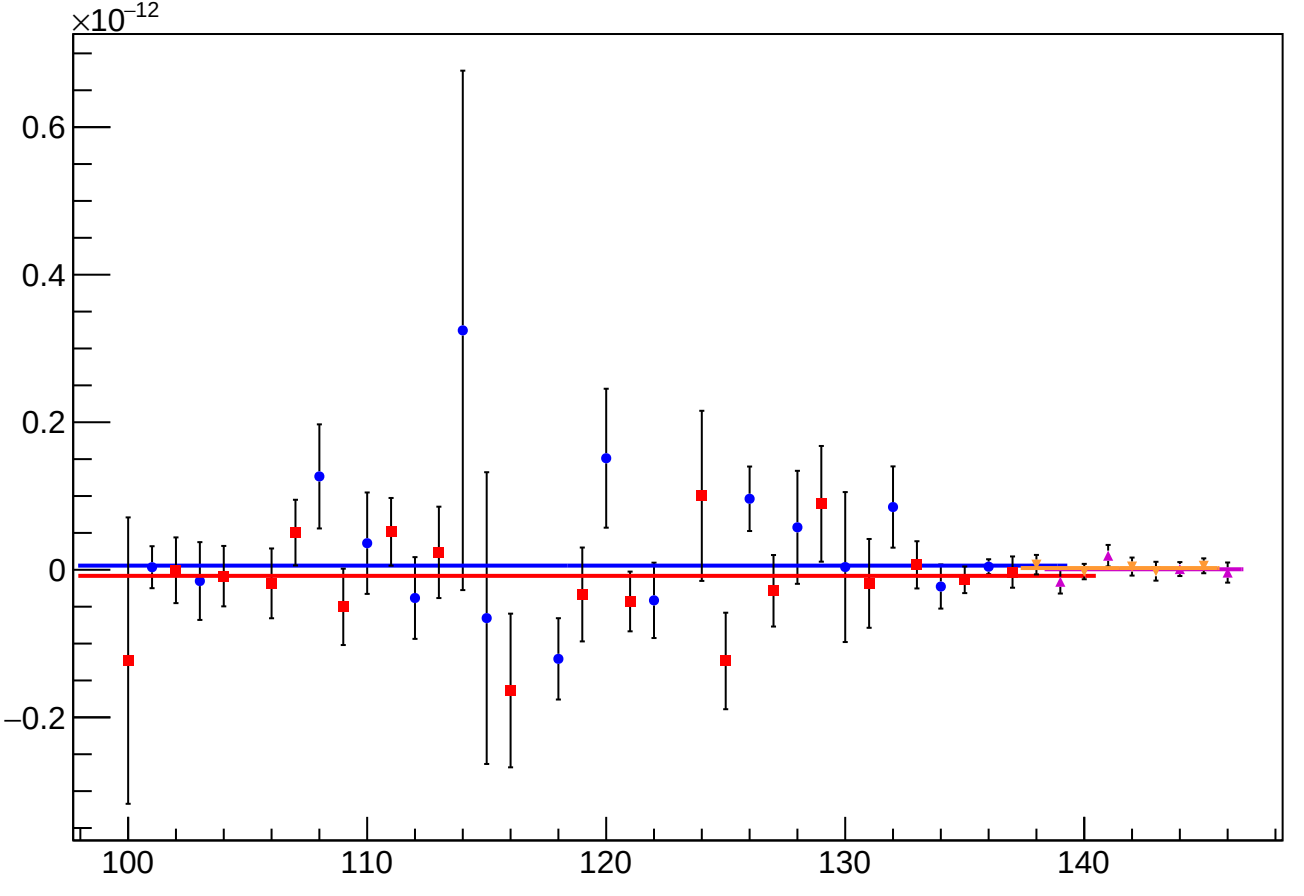
Left: 343.895+/-0.091 χ^2/NDF: 87890.5/8

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 413.798+/-0.093 χ^2/NDF:1455625.7/19

Out: 410.759+/-0.090 χ^2/NDF:1624812.7/23

All: 412.241+/-0.065 χ^2/NDF: 3080989.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/3

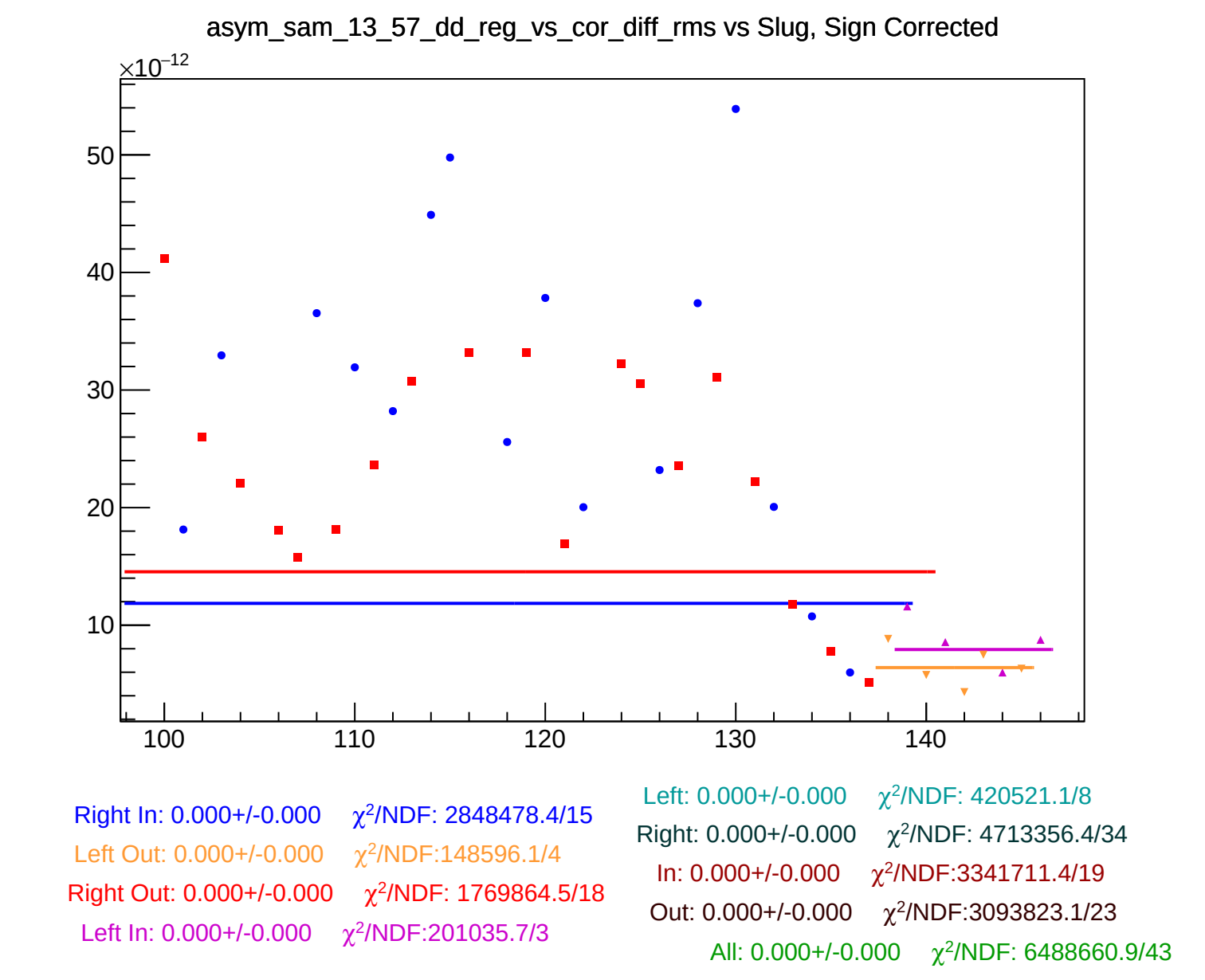
Left: 0.000+/-0.000 χ^2/NDF: 3.4/8

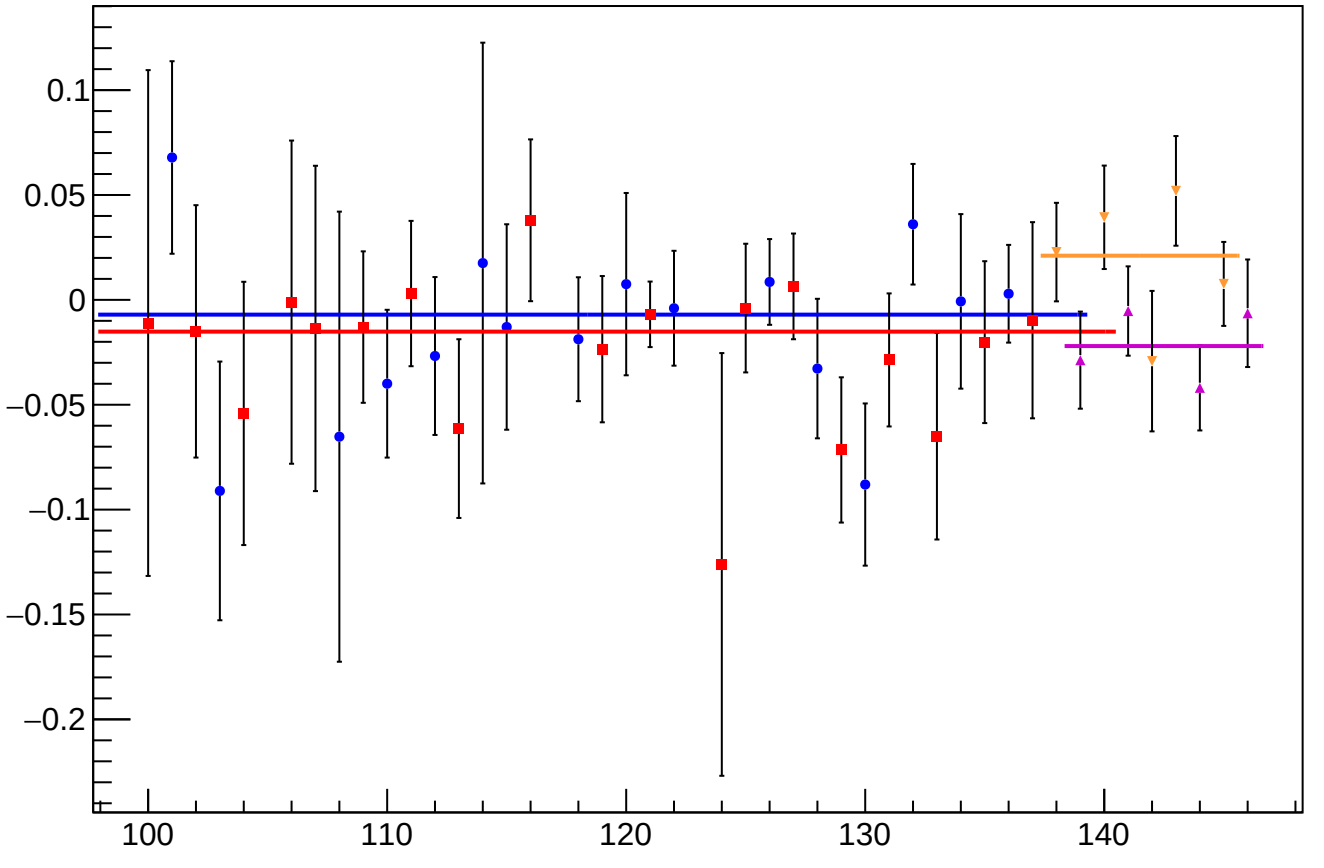
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:24.2/19

Out: -0.000+/-0.000 χ^2/NDF:15.6/23

All: 0.000+/-0.000 χ^2/NDF: 39.9/43


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:148596.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:201035.7/3
Left: 0.000+/-0.000 χ²/NDF: 420521.1/8
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:3341711.4/19
Out: 0.000+/-0.000 χ²/NDF:3093823.1/23
All: 0.000+/-0.000 χ²/NDF: 6488660.9/43



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.011 χ^2/NDF:4.7/4

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.022+/-0.011 χ^2/NDF:2.0/3

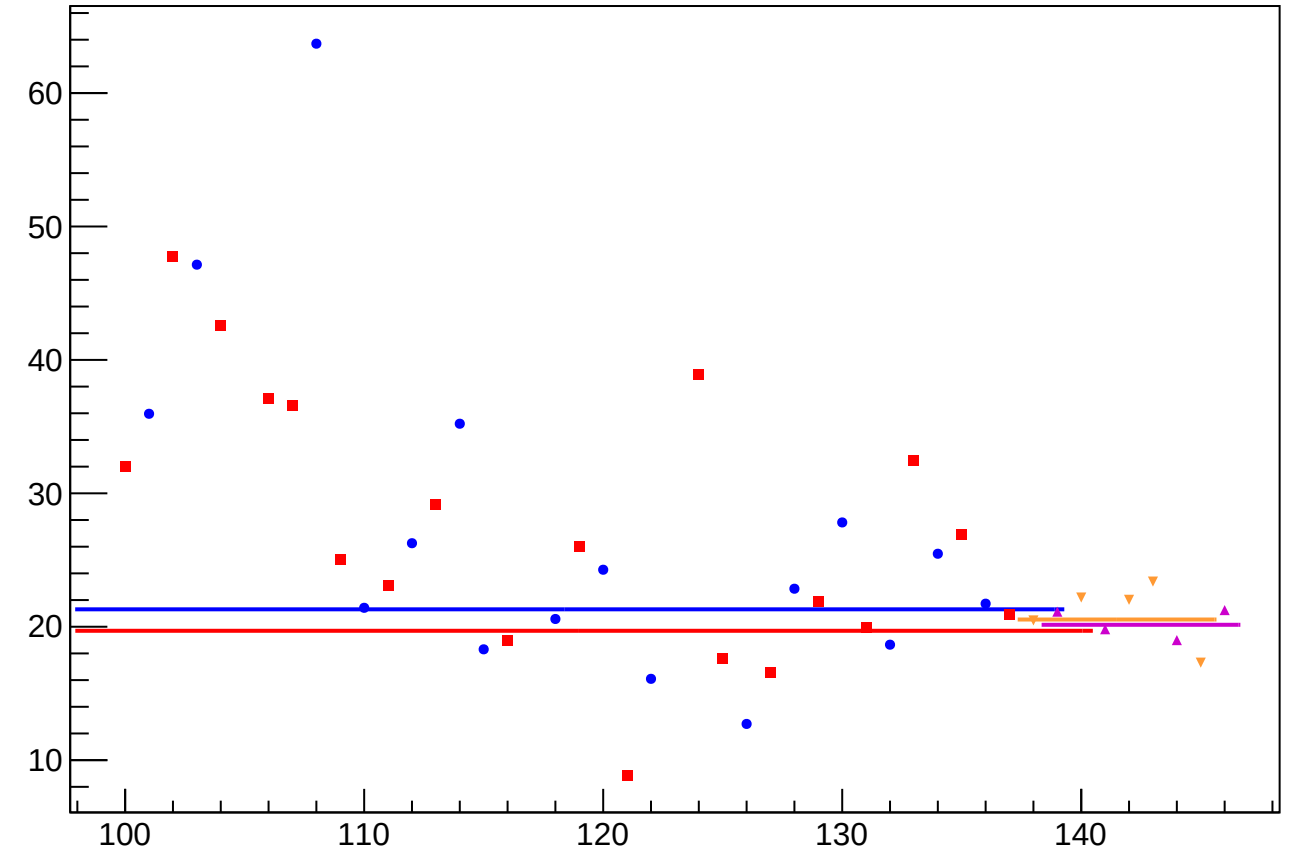
Left: -0.000+/-0.008 χ^2/NDF: 14.3/8

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.5/19

Out: -0.002+/-0.007 χ^2/NDF:21.7/23

All: -0.007+/-0.005 χ^2/NDF: 40.4/43



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.541+/-0.008 χ^2/NDF:88686.6/4

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.146+/-0.008 χ^2/NDF:14175.0/3

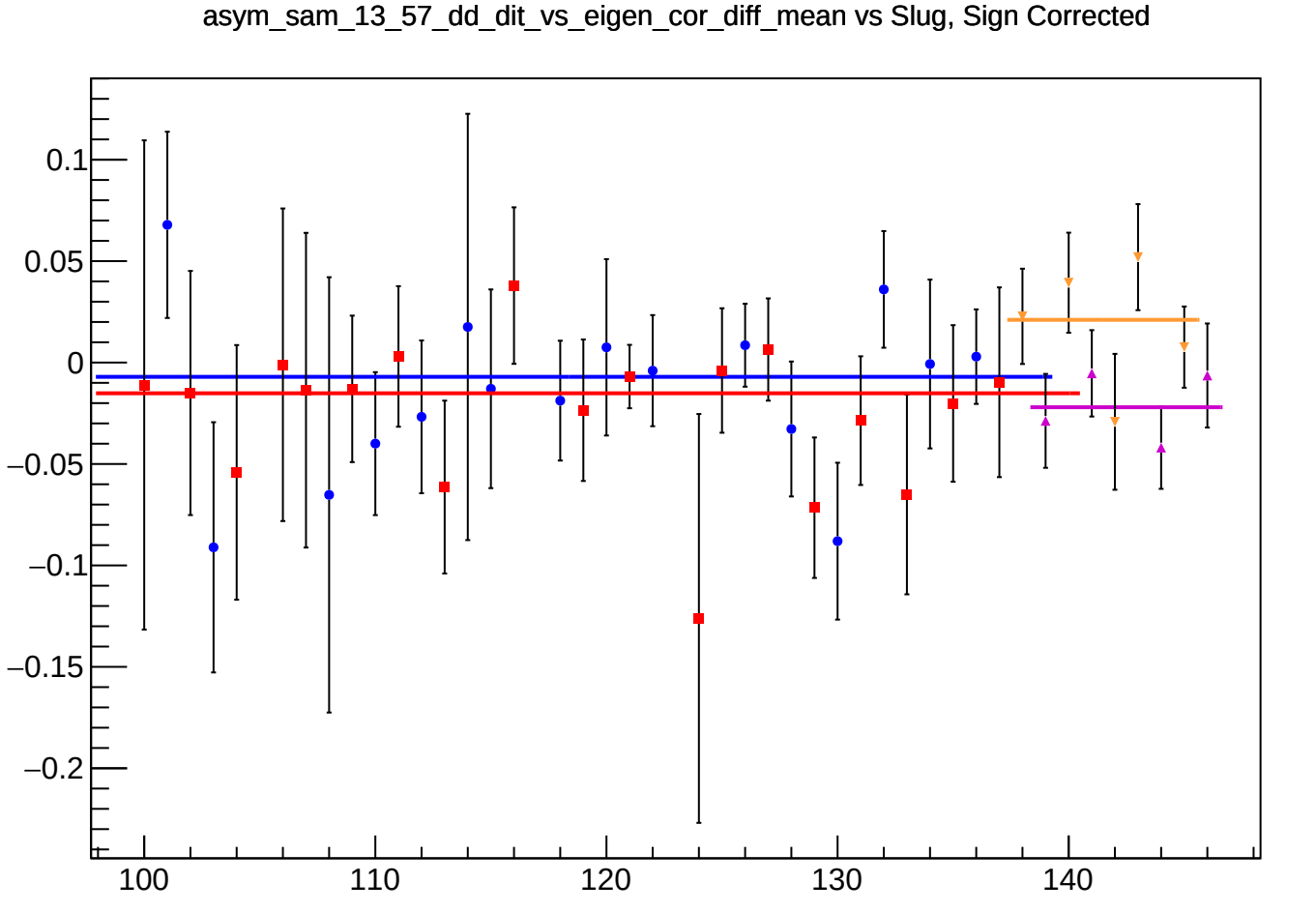
Left: 20.347+/-0.006 χ^2/NDF: 104136.2/8

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.872+/-0.005 χ^2/NDF:1507069.0/19

Out: 20.001+/-0.005 χ^2/NDF:2535250.9/23

All: 20.421+/-0.003 χ^2/NDF: 4059226.0/43



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.011 χ^2/NDF:4.7/4

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.022+/-0.011 χ^2/NDF:2.0/3

Left: -0.000+/-0.008 χ^2/NDF: 14.3/8

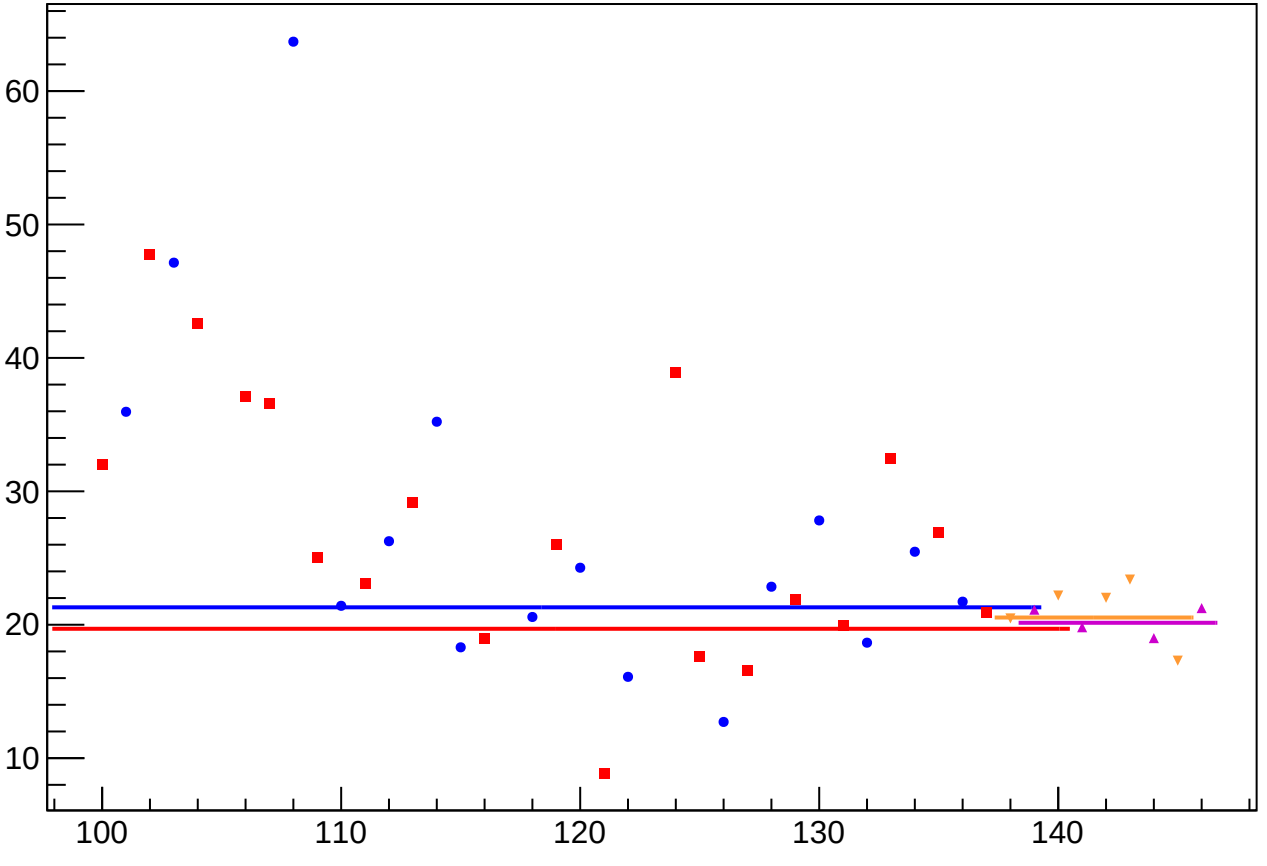
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.5/19

Out: -0.002+/-0.007 χ^2/NDF:21.7/23

All: -0.007+/-0.005 χ^2/NDF: 40.4/43

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.541+/-0.008 χ^2/NDF:88686.6/4

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.146+/-0.008 χ^2/NDF:14175.0/3

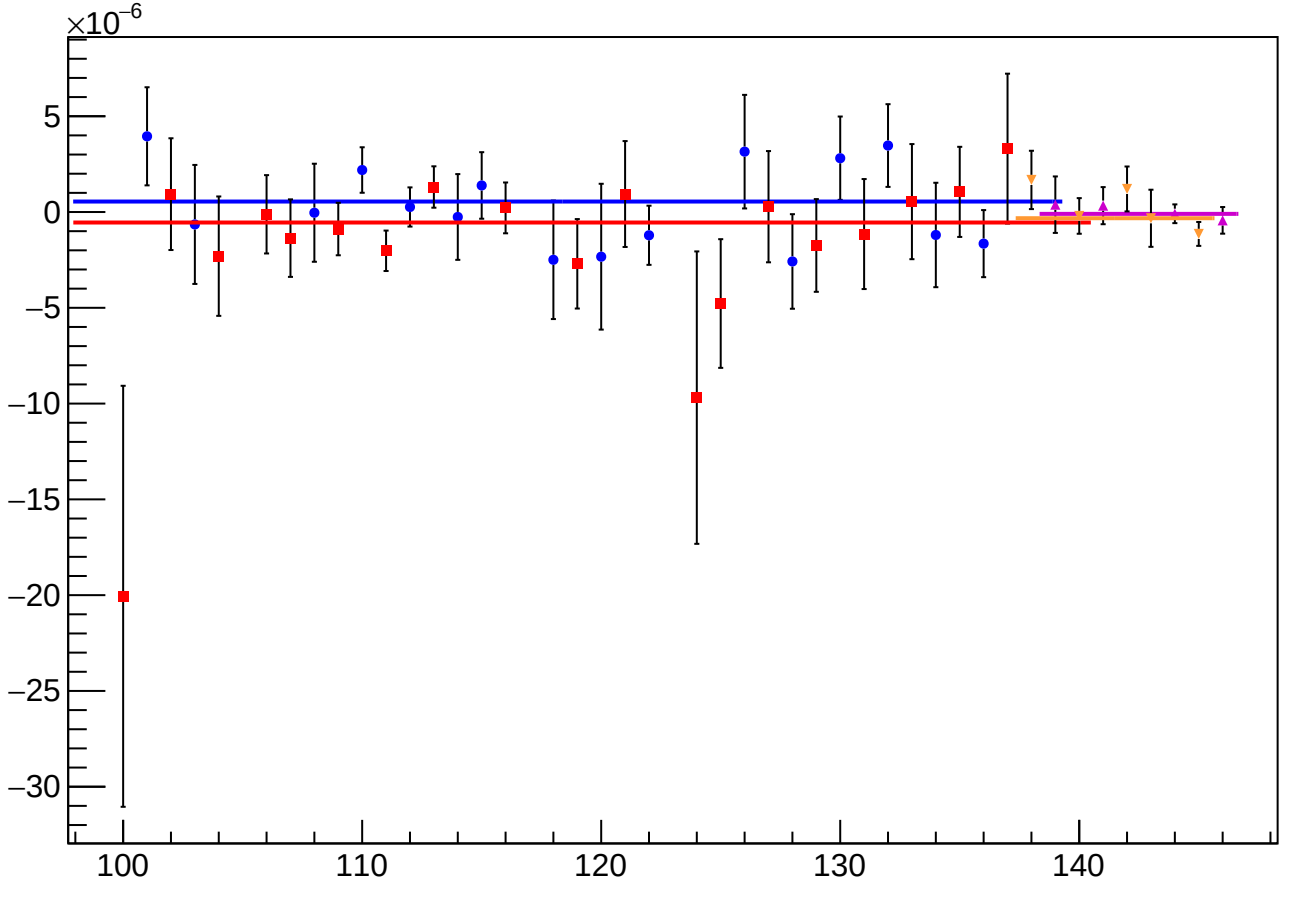
Left: 20.347+/-0.006 χ^2/NDF: 104136.2/8

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.872+/-0.005 χ^2/NDF:1507069.0/19

Out: 20.001+/-0.005 χ^2/NDF:2535250.9/23

All: 20.421+/-0.003 χ^2/NDF: 4059226.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

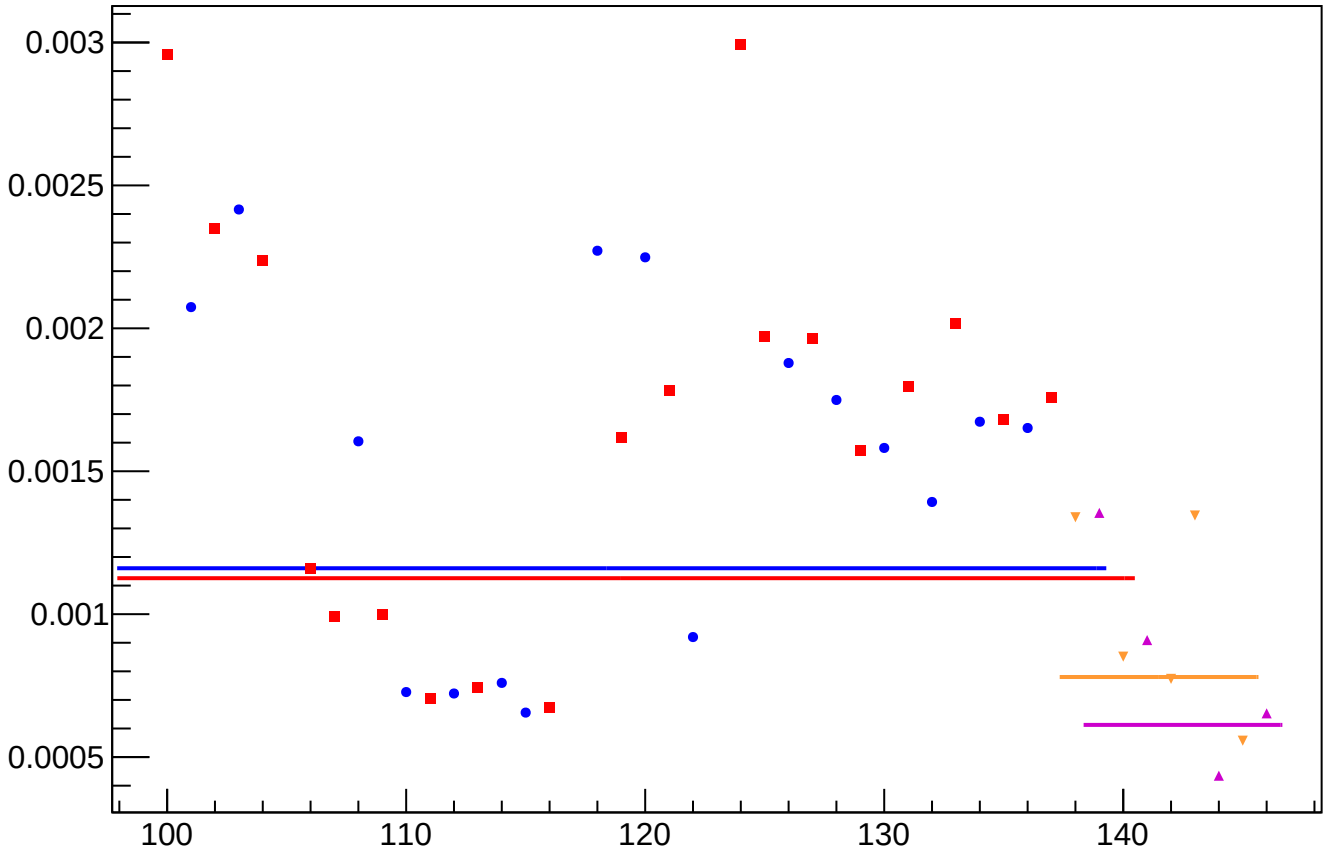
Left: -0.000+/-0.000 χ^2/NDF: 5.9/8

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: 0.000+/-0.000 χ^2/NDF:16.1/19

Out: -0.000+/-0.000 χ^2/NDF:20.6/23

All: -0.000+/-0.000 χ^2/NDF: 38.5/43



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:823960.9/4

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:964555.7/3

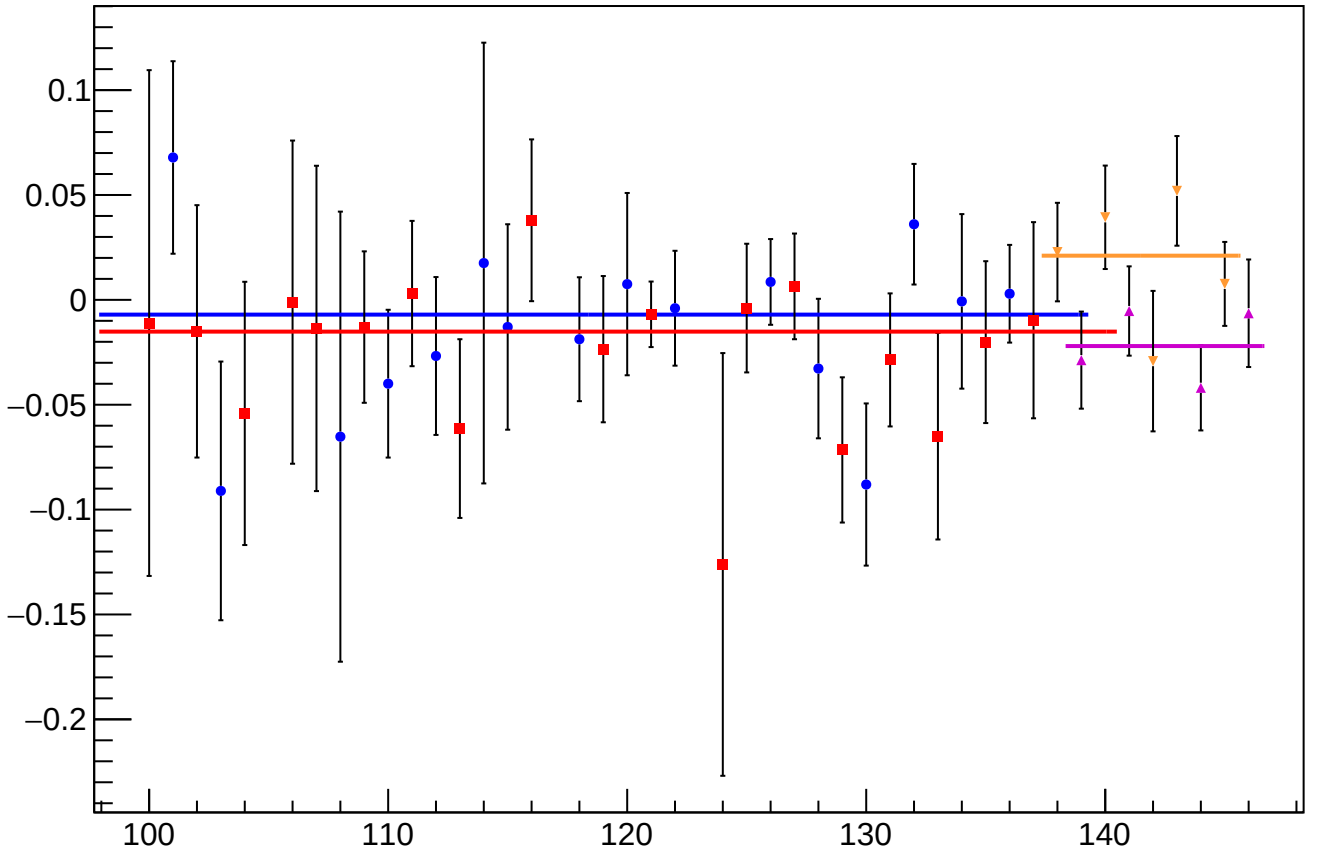
Left: 0.001+/-0.000 χ^2/NDF: 1966111.5/8

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:5177377.3/19

Out: 0.001+/-0.000 χ^2/NDF:4049072.2/23

All: 0.001+/-0.000 χ^2/NDF: 9422131.5/43



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.011 χ^2/NDF:4.7/4

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.022+/-0.011 χ^2/NDF:2.0/3

Left: -0.000+/-0.008 χ^2/NDF: 14.3/8

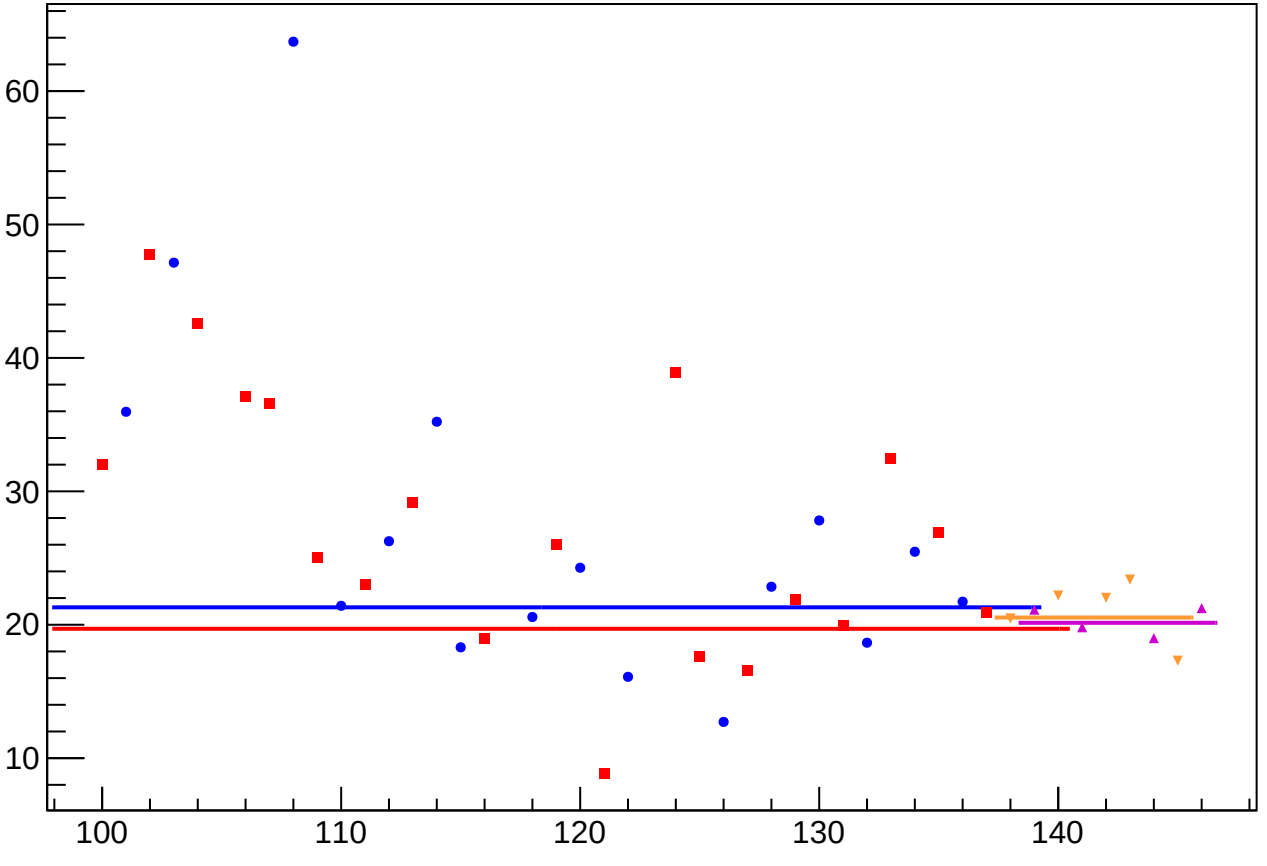
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.5/19

Out: -0.002+/-0.007 χ^2/NDF:21.7/23

All: -0.007+/-0.005 χ^2/NDF: 40.4/43

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.541+/-0.008 χ^2/NDF:88699.8/4

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.146+/-0.008 χ^2/NDF:14179.3/3

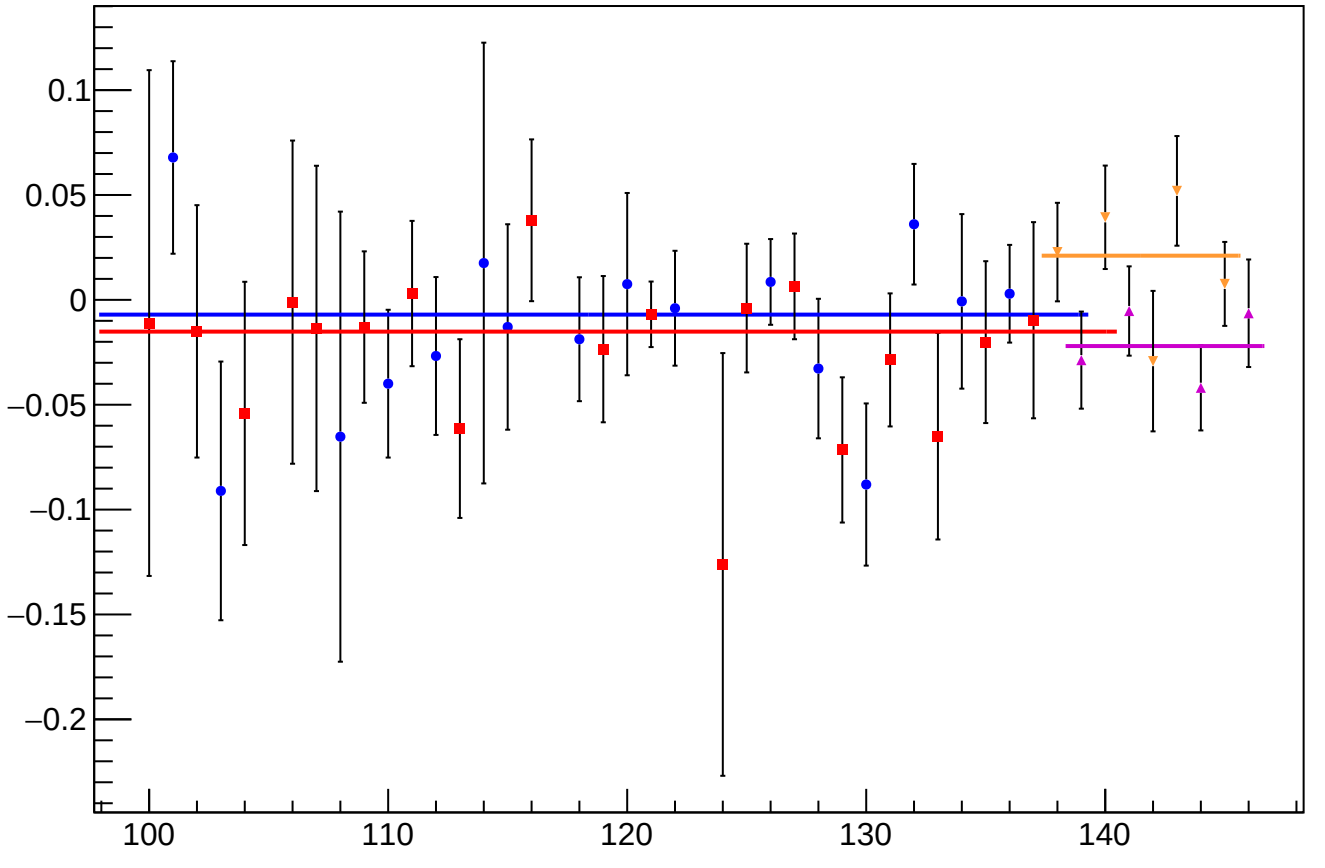
Left: 20.347+/-0.006 χ^2/NDF: 104152.8/8

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.873+/-0.005 χ^2/NDF:1506908.1/19

Out: 20.001+/-0.005 χ^2/NDF:2534886.6/23

All: 20.421+/-0.003 χ^2/NDF: 4058693.4/43



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.021+/-0.011 χ^2/NDF:4.7/4

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.022+/-0.011 χ^2/NDF:2.0/3

Left: -0.000+/-0.008 χ^2/NDF: 14.3/8

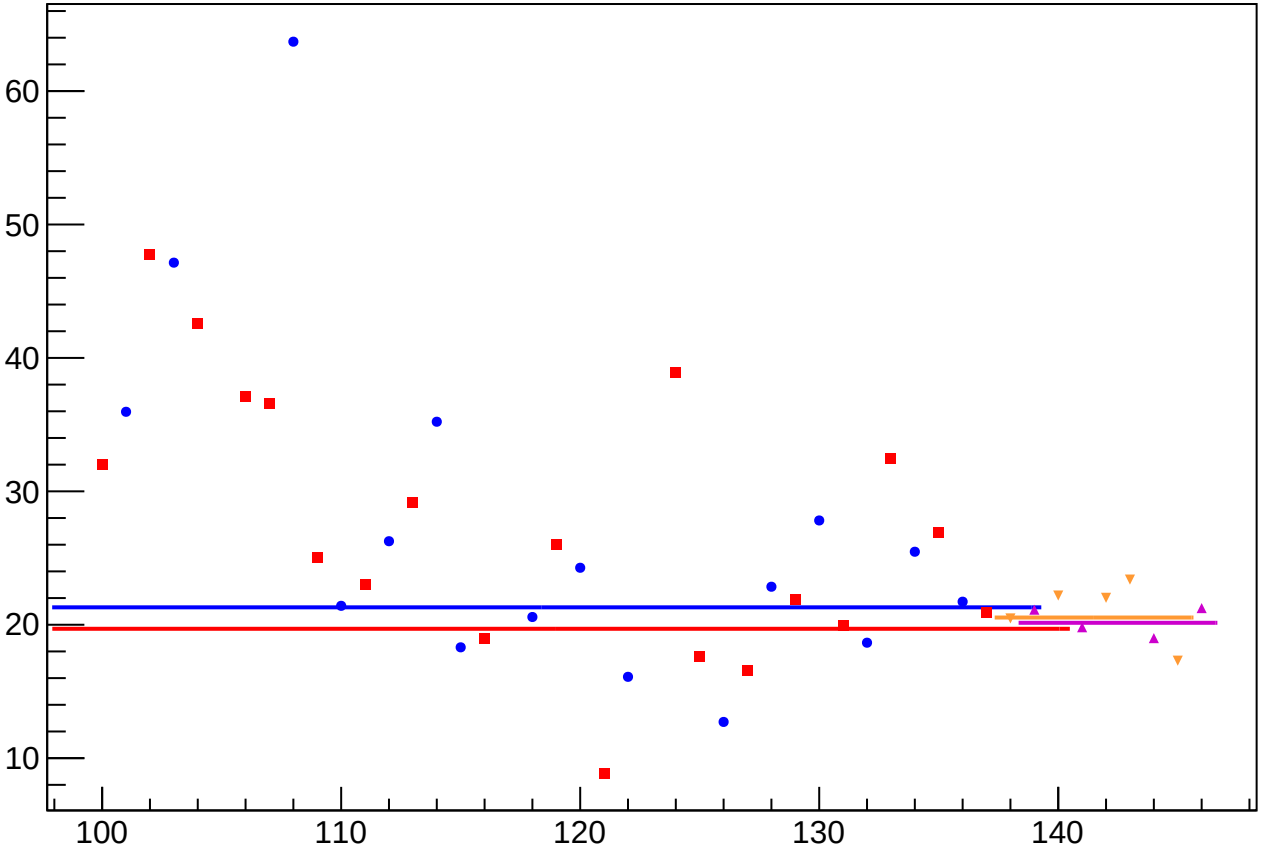
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.5/19

Out: -0.002+/-0.007 χ^2/NDF:21.7/23

All: -0.007+/-0.005 χ^2/NDF: 40.4/43

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: 20.541+/-0.008 χ^2/NDF:88699.8/4

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.146+/-0.008 χ^2/NDF:14179.3/3

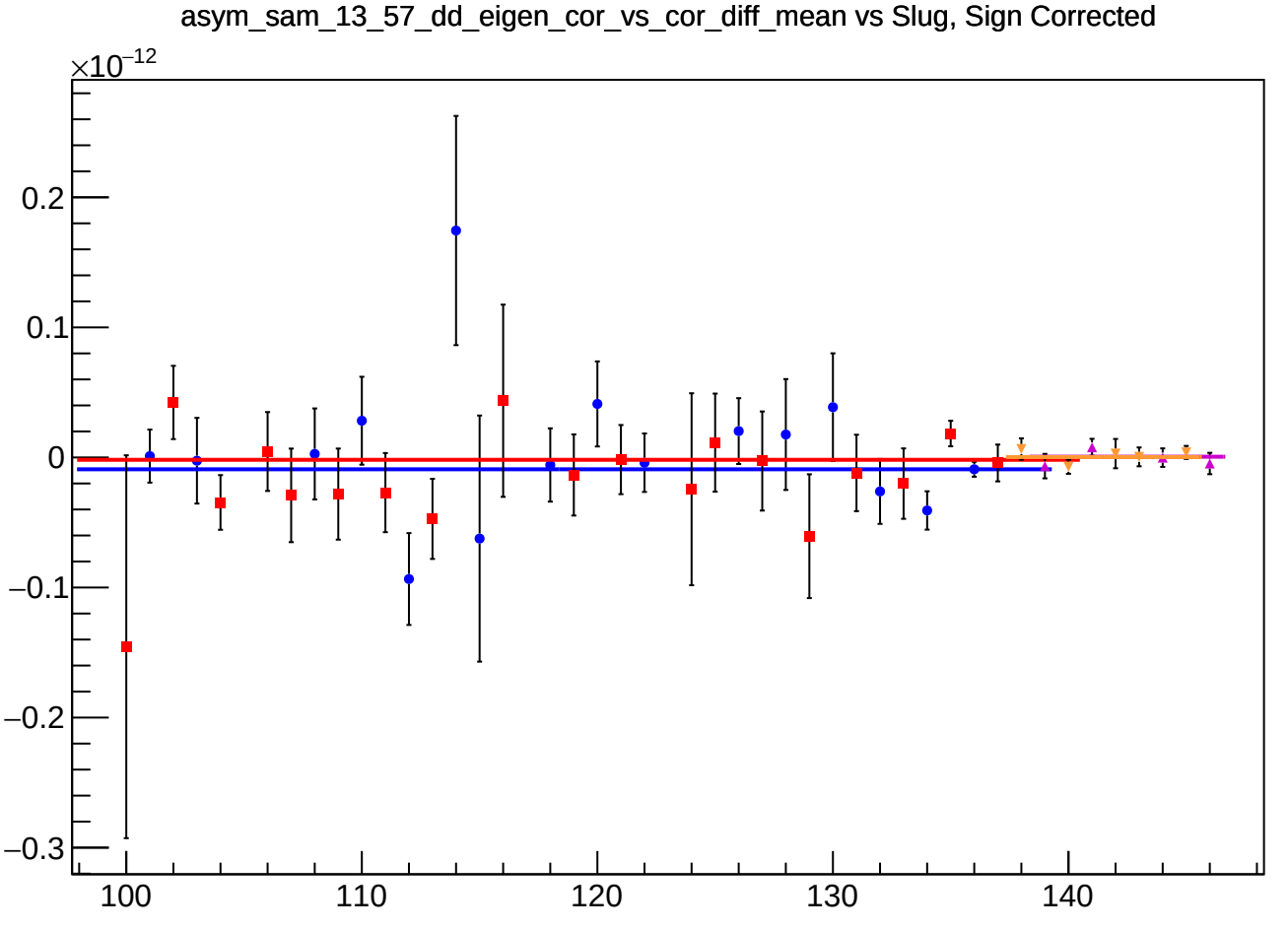
Left: 20.347+/-0.006 χ^2/NDF: 104152.8/8

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.873+/-0.005 χ^2/NDF:1506908.1/19

Out: 20.001+/-0.005 χ^2/NDF:2534886.6/23

All: 20.421+/-0.003 χ^2/NDF: 4058693.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/3

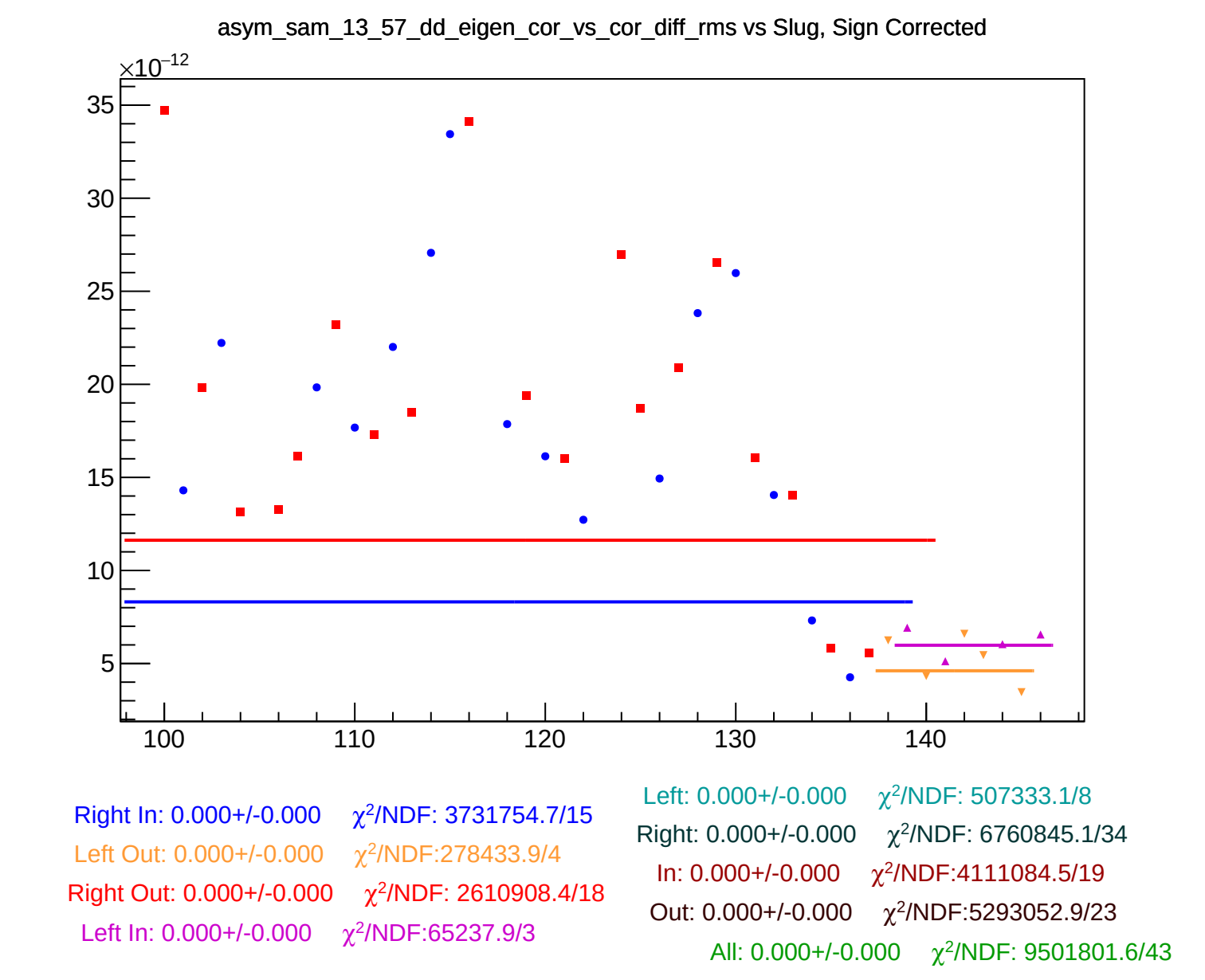
Left: 0.000+/-0.000 χ^2/NDF: 5.3/8

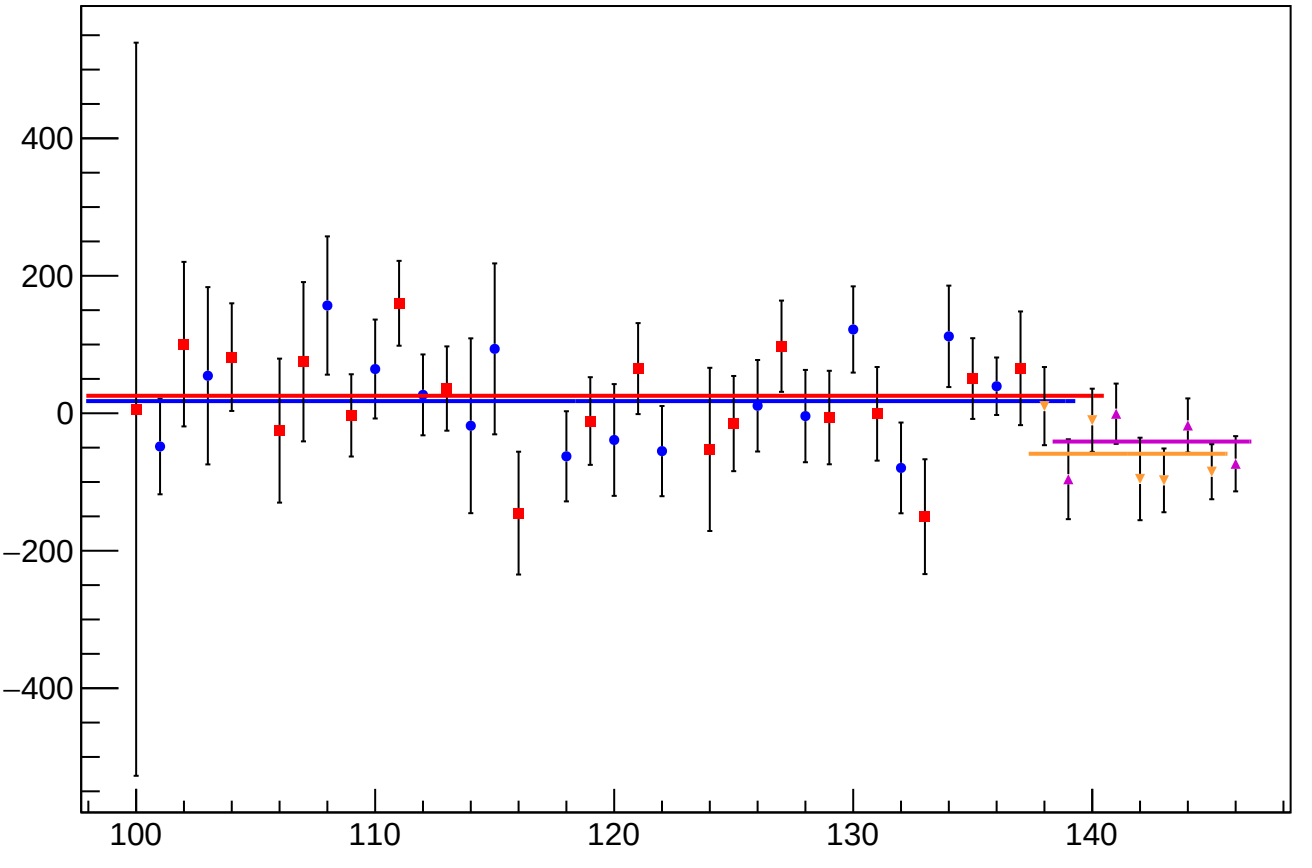
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:27.5/19

Out: -0.000+/-0.000 χ^2/NDF:20.2/23

All: -0.000+/-0.000 χ^2/NDF: 48.4/43


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:278433.9/4
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:65237.9/3
Left: 0.000+/-0.000 χ²/NDF: 507333.1/8
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:4111084.5/19
Out: 0.000+/-0.000 χ²/NDF:5293052.9/23
All: 0.000+/-0.000 χ²/NDF: 9501801.6/43



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -58.892+/-21.566 χ^2/NDF:4.1/4

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -41.150+/-21.916 χ^2/NDF:2.7/3

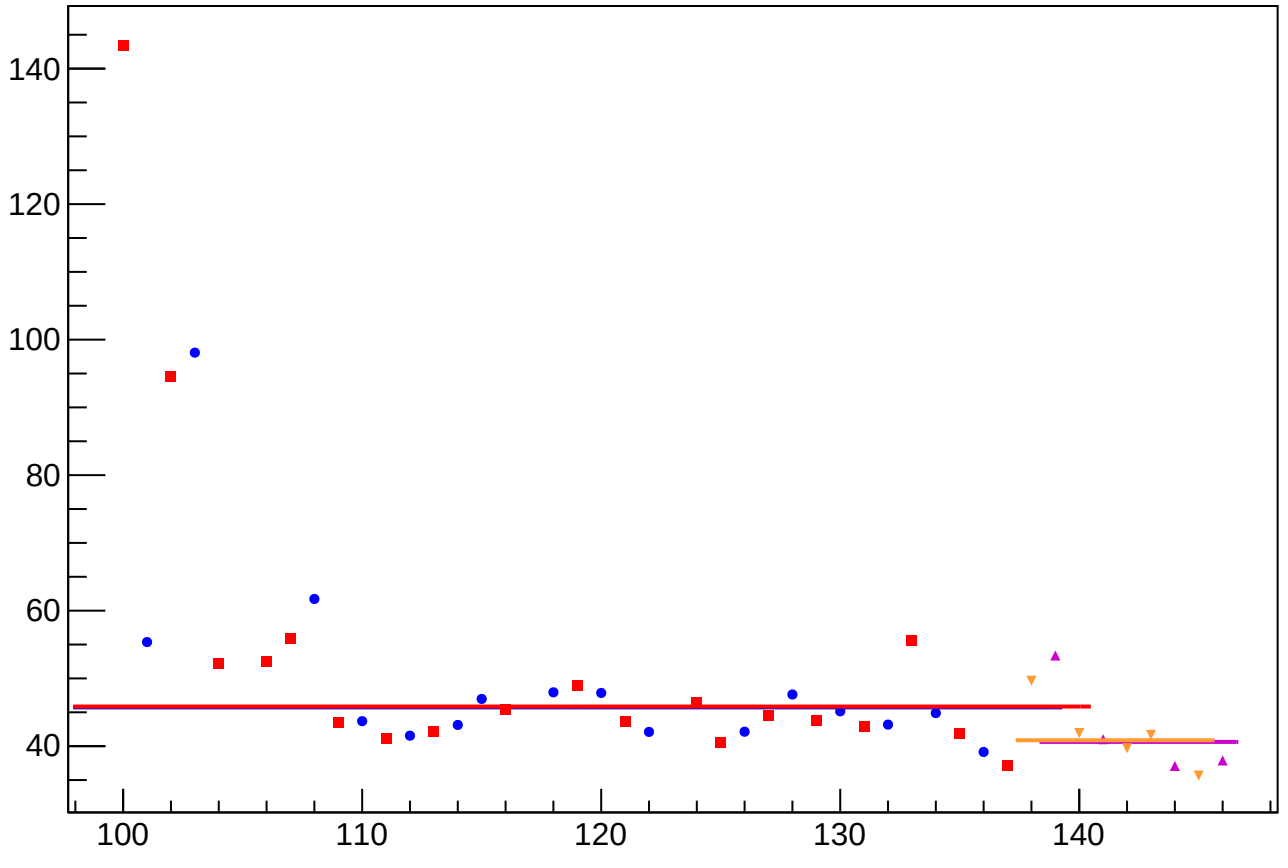
Left: -50.164+/-15.372 χ^2/NDF: 7.2/8

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -5.165+/-13.661 χ^2/NDF:21.1/19

Out: -7.664+/-13.512 χ^2/NDF:31.2/23

All: -6.428+/-9.607 χ^2/NDF: 52.4/43



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 40.872+/-0.015 χ^2/NDF:84148.9/4

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

Left: 40.753+/-0.011 χ^2/NDF: 206296.6/8

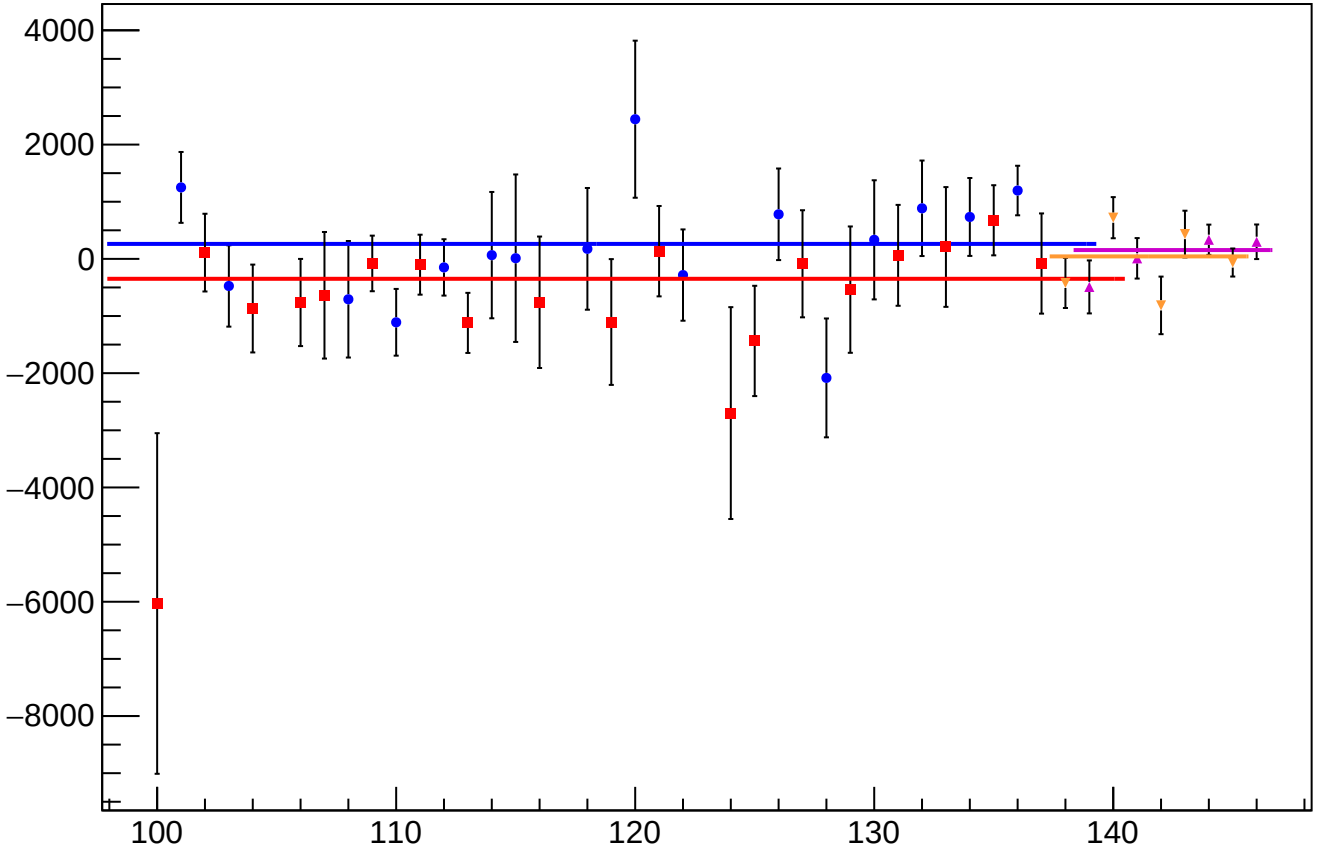
Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 43.746+/-0.010 χ^2/NDF:689634.2/19

Out: 43.896+/-0.010 χ^2/NDF:689007.0/23

All: 43.822+/-0.007 χ^2/NDF: 1378761.9/43

asym_sam_15_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 43.324+/-159.220 χ^2/NDF:8.7/4

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 154.368+/-162.619 χ^2/NDF:2.8/3

Left: 97.673+/-113.768 χ^2/NDF: 11.7/8

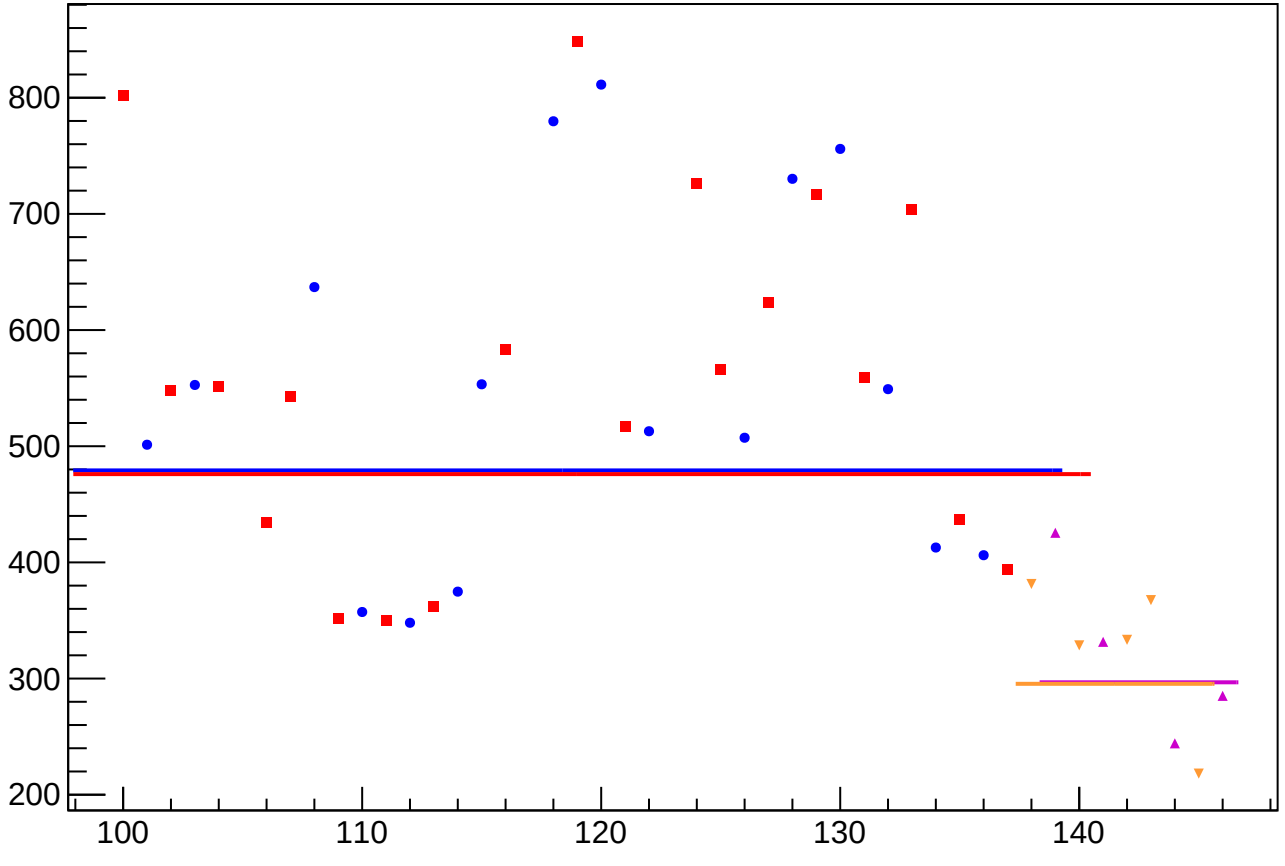
Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 201.198+/-122.200 χ^2/NDF:28.0/19

Out: -128.027+/-119.456 χ^2/NDF:26.2/23

All: 32.848+/-85.422 χ^2/NDF: 57.9/43

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 295.466+/-0.113 χ^2/NDF:365495.7/4

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 296.768+/-0.115 χ^2/NDF:255365.5/3

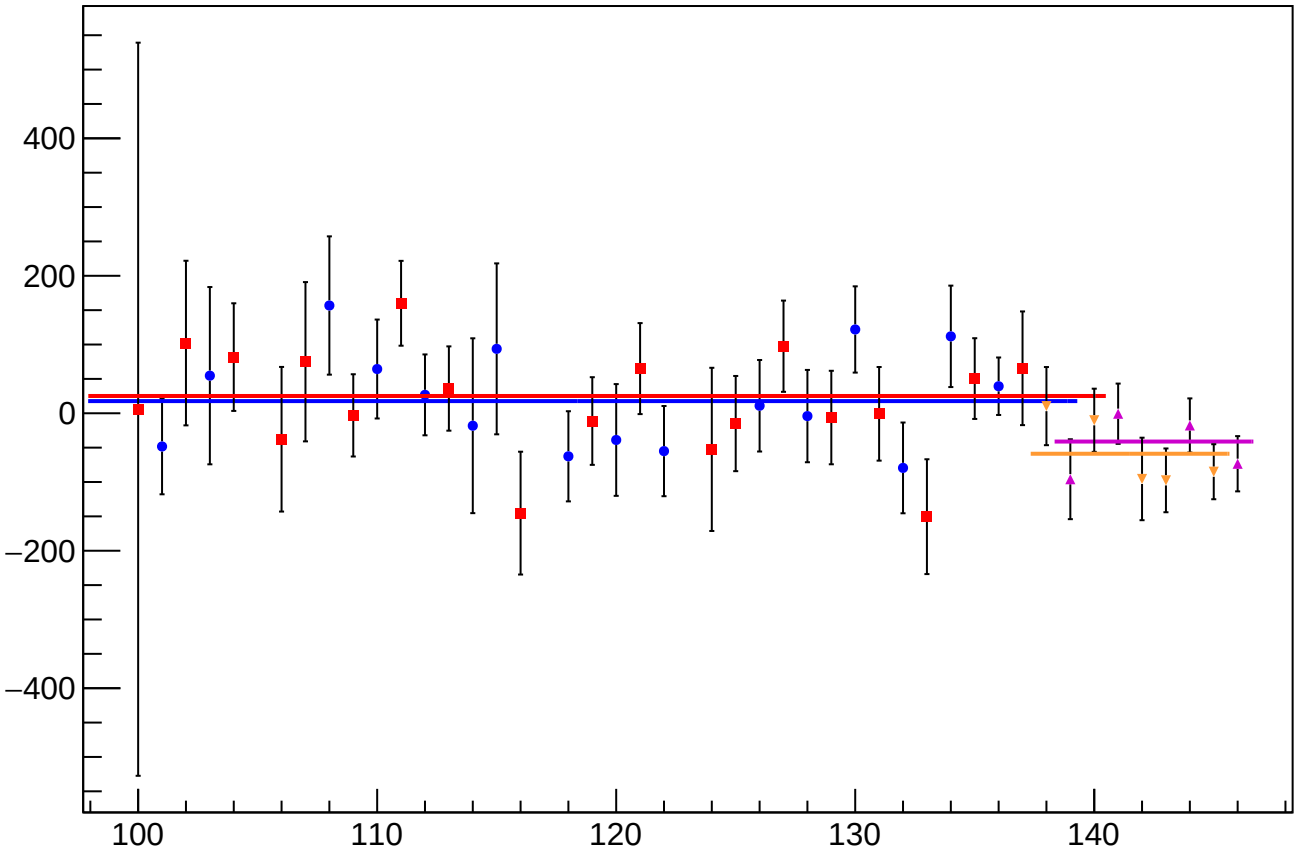
Left: 296.103+/-0.080 χ^2/NDF: 620926.7/8

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 376.175+/-0.086 χ^2/NDF:2303508.9/19

Out: 374.376+/-0.084 χ^2/NDF:2495816.1/23

All: 375.255+/-0.060 χ^2/NDF: 4799546.7/43



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -58.890+/-21.566 χ^2/NDF:4.1/4

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -41.147+/-21.916 χ^2/NDF:2.7/3

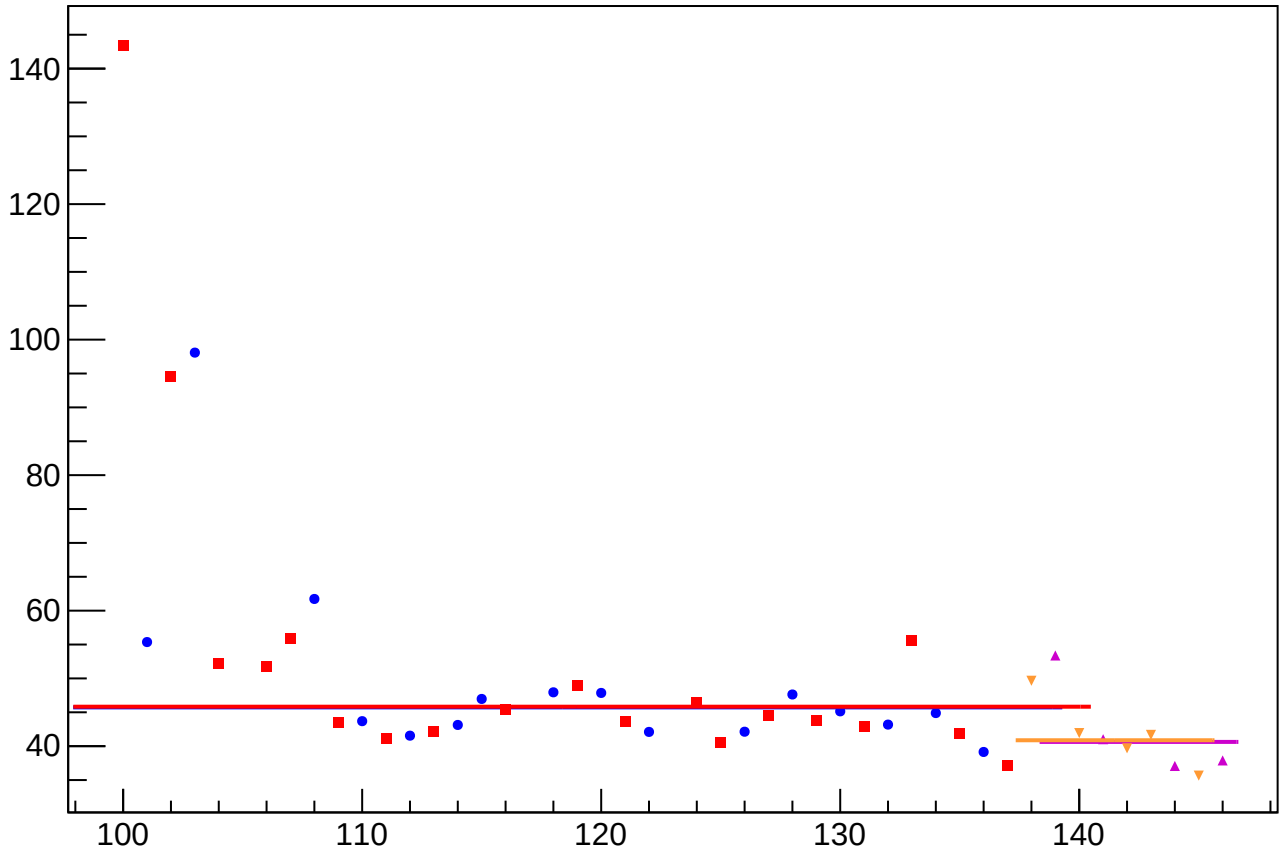
Left: -50.161+/-15.372 χ^2/NDF: 7.2/8

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -5.161+/-13.661 χ^2/NDF:21.1/19

Out: -7.848+/-13.513 χ^2/NDF:31.3/23

All: -6.519+/-9.607 χ^2/NDF: 52.4/43



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.872+/-0.015 χ^2/NDF:84148.9/4

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

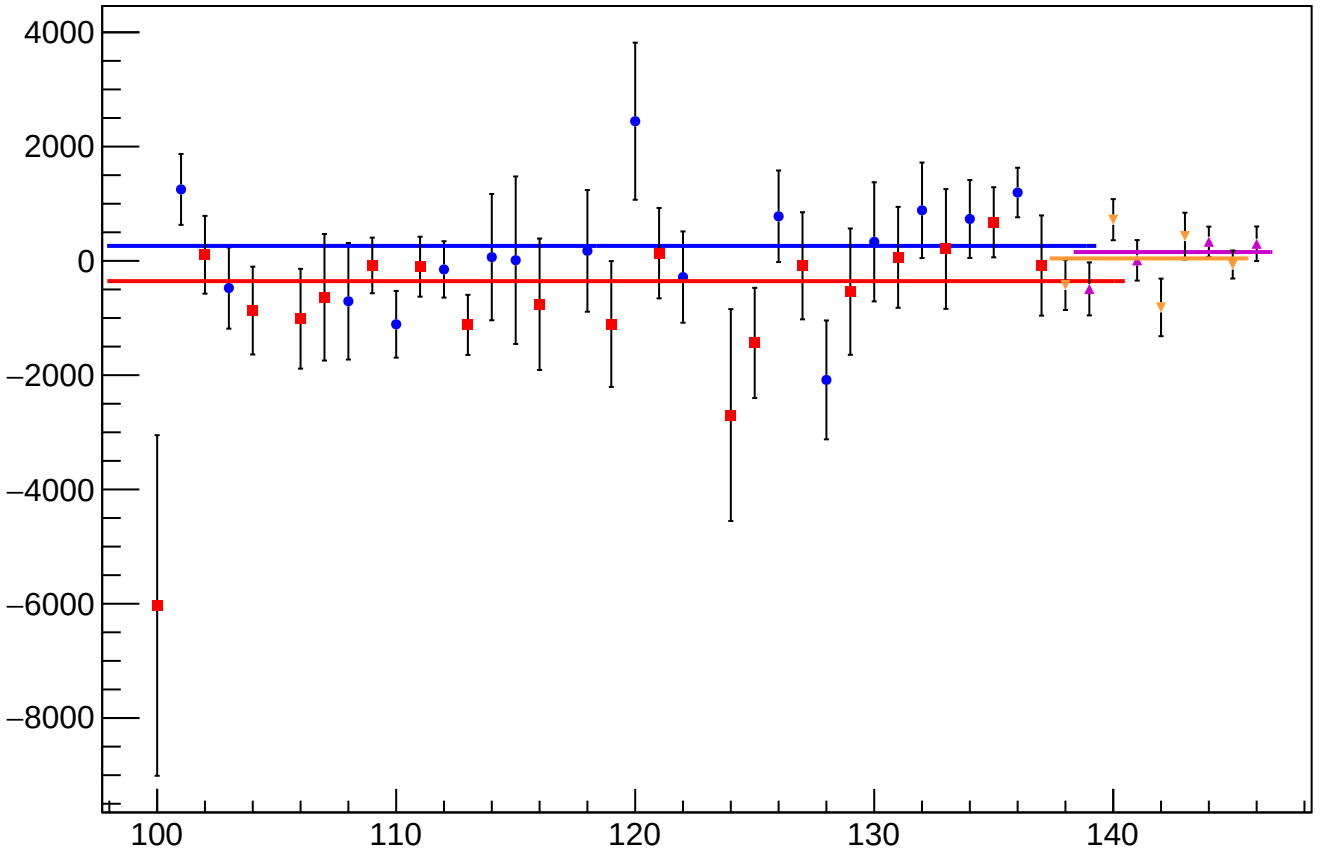
Left: 40.753+/-0.011 χ^2/NDF: 206296.6/8

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.746+/-0.010 χ^2/NDF:689637.2/19

Out: 43.881+/-0.010 χ^2/NDF:686695.3/23

All: 43.814+/-0.007 χ^2/NDF: 1376430.5/43



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 43.322+/-159.220 χ^2/NDF:8.7/4

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 154.369+/-162.620 χ^2/NDF:2.8/3

Left: 97.672+/-113.768 χ^2/NDF: 11.7/8

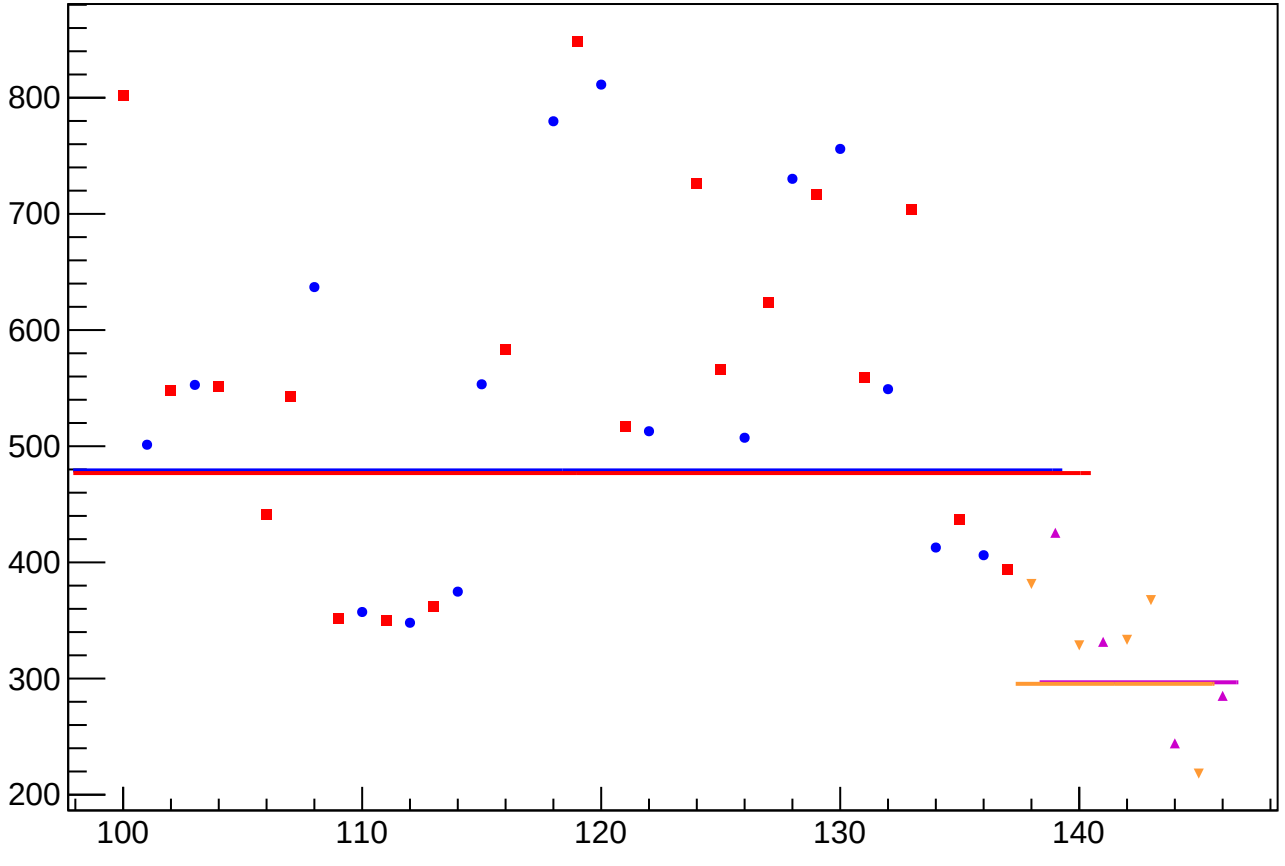
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 201.200+/-122.201 χ^2/NDF:28.0/19

Out: -129.125+/-119.807 χ^2/NDF:26.6/23

All: 32.771+/-85.550 χ^2/NDF: 58.3/43

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 295.466+/-0.113 χ^2/NDF:365495.9/4

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 296.768+/-0.115 χ^2/NDF:255366.5/3

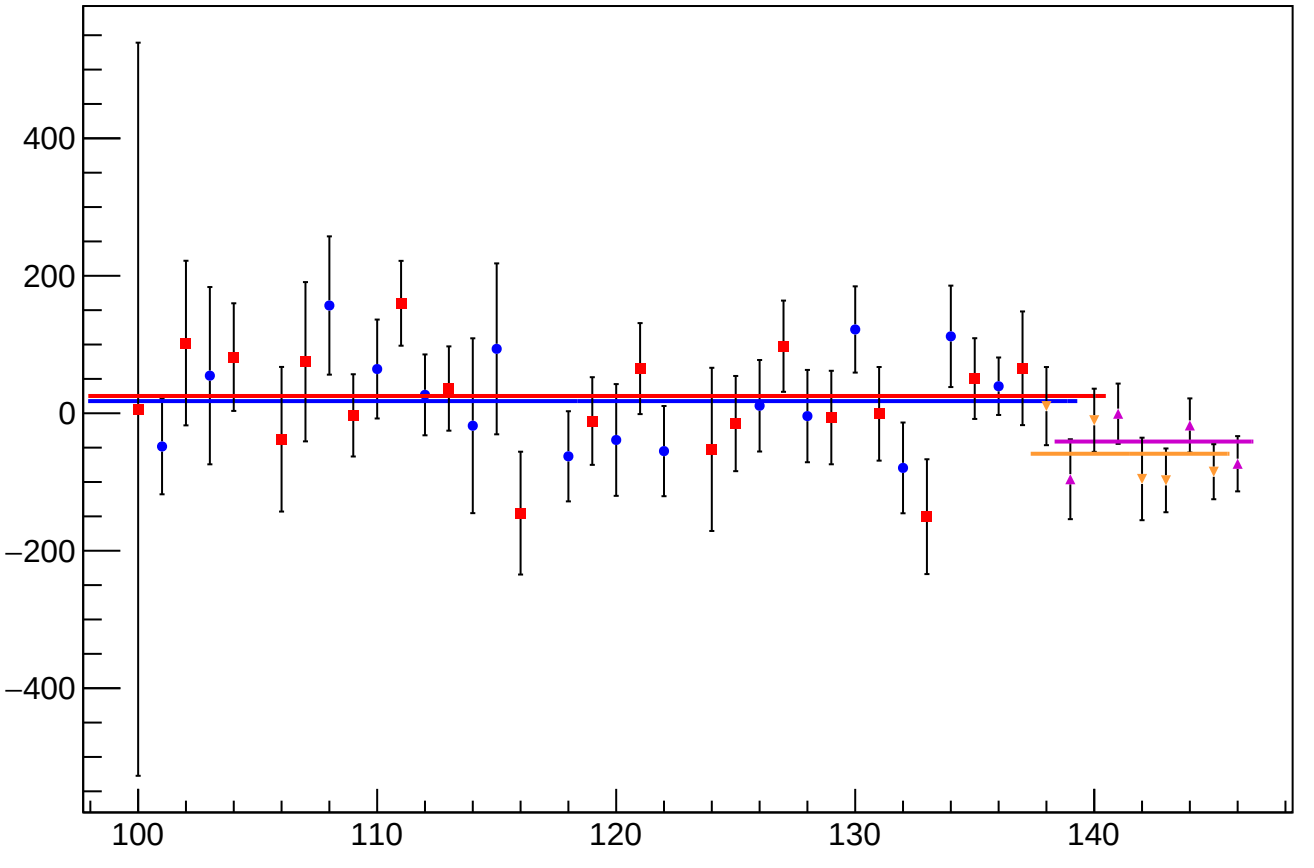
Left: 296.103+/-0.080 χ^2/NDF: 620927.8/8

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 376.176+/-0.086 χ^2/NDF:2303555.8/19

Out: 374.169+/-0.085 χ^2/NDF:2495746.5/23

All: 375.152+/-0.060 χ^2/NDF: 4799577.4/43



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -58.890+/-21.566 χ^2/NDF:4.1/4

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -41.147+/-21.916 χ^2/NDF:2.7/3

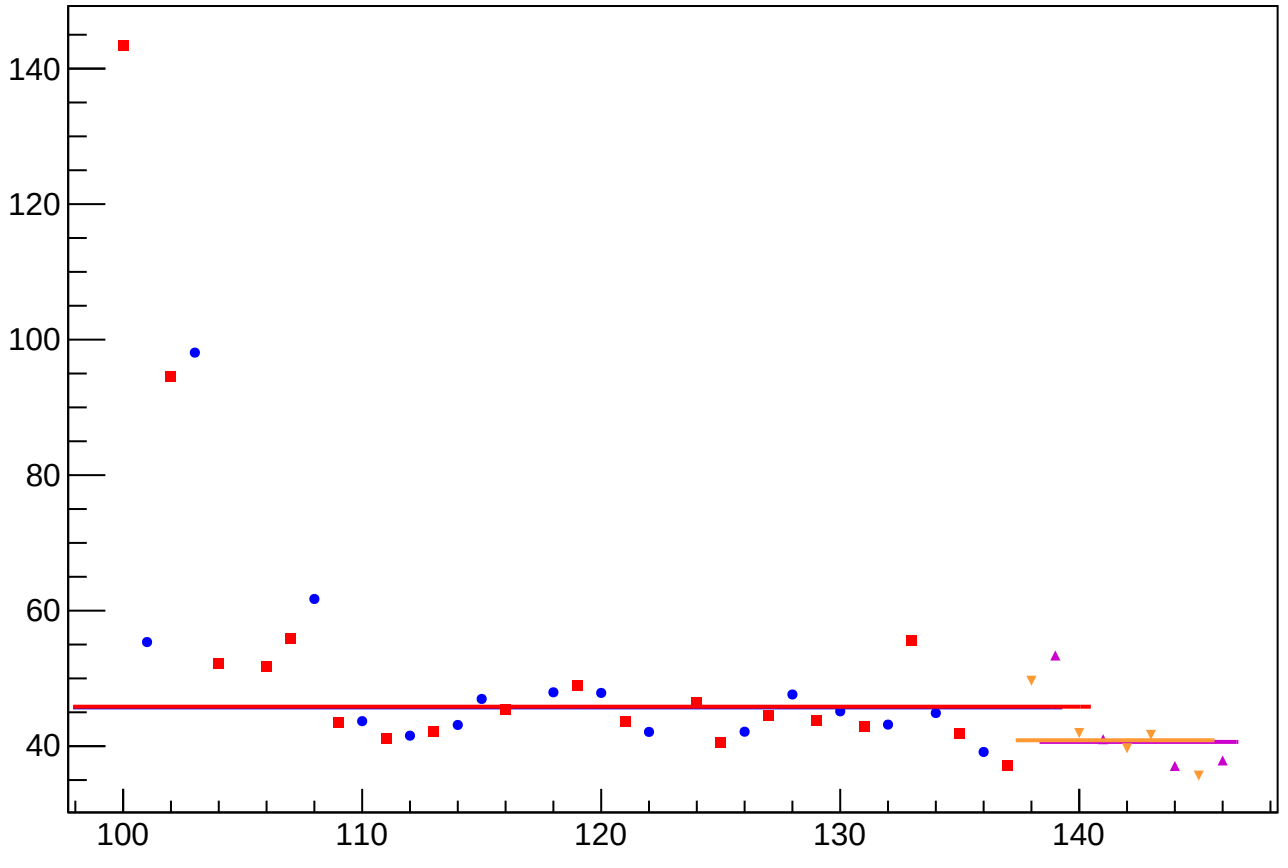
Left: -50.161+/-15.372 χ^2/NDF: 7.2/8

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -5.161+/-13.661 χ^2/NDF:21.1/19

Out: -7.848+/-13.513 χ^2/NDF:31.3/23

All: -6.519+/-9.607 χ^2/NDF: 52.4/43



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 40.872+/-0.015 χ^2/NDF:84148.9/4

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

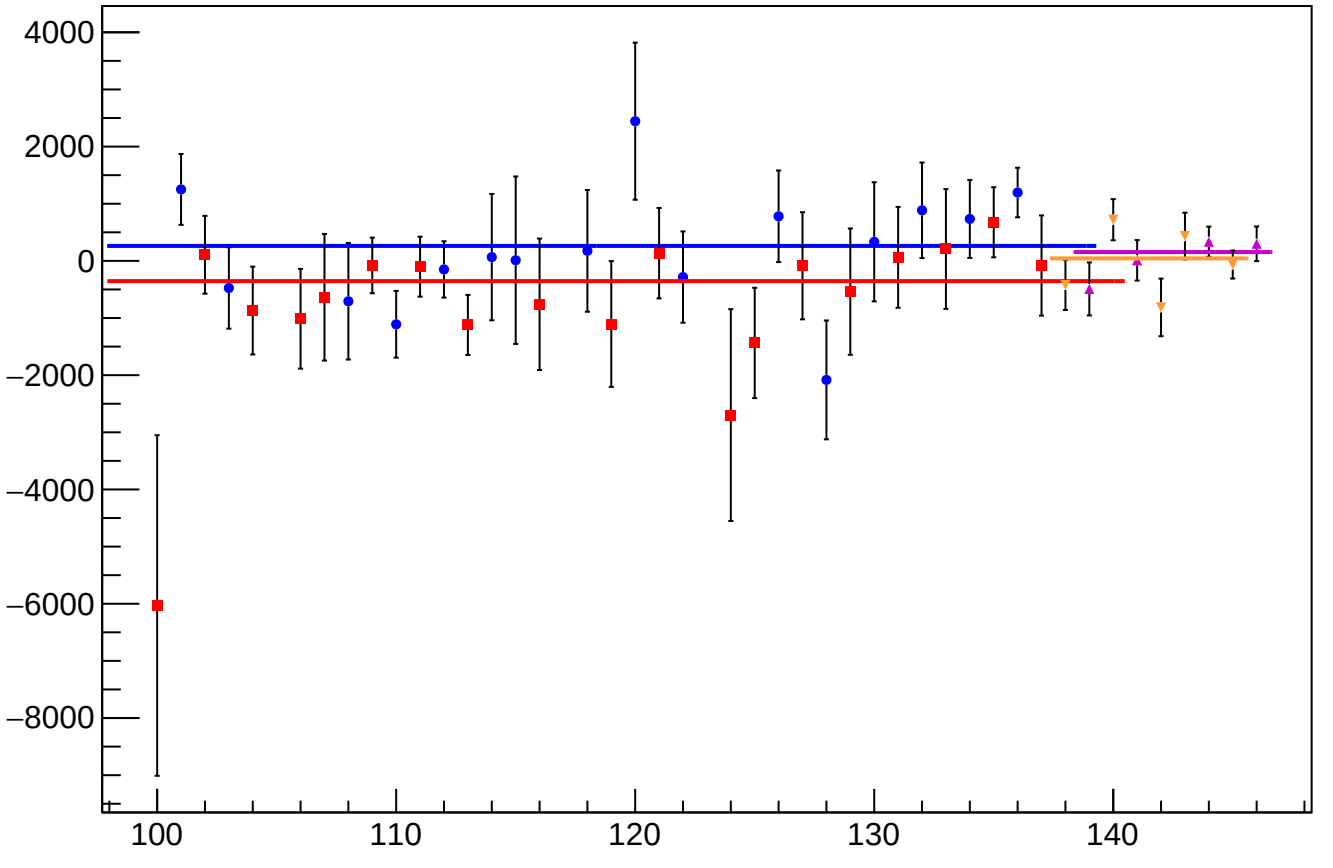
Left: 40.753+/-0.011 χ^2/NDF: 206296.6/8

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.746+/-0.010 χ^2/NDF:689637.2/19

Out: 43.881+/-0.010 χ^2/NDF:686695.3/23

All: 43.814+/-0.007 χ^2/NDF: 1376430.5/43



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 43.322+/-159.220 χ^2/NDF:8.7/4

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 154.369+/-162.620 χ^2/NDF:2.8/3

Left: 97.672+/-113.768 χ^2/NDF: 11.7/8

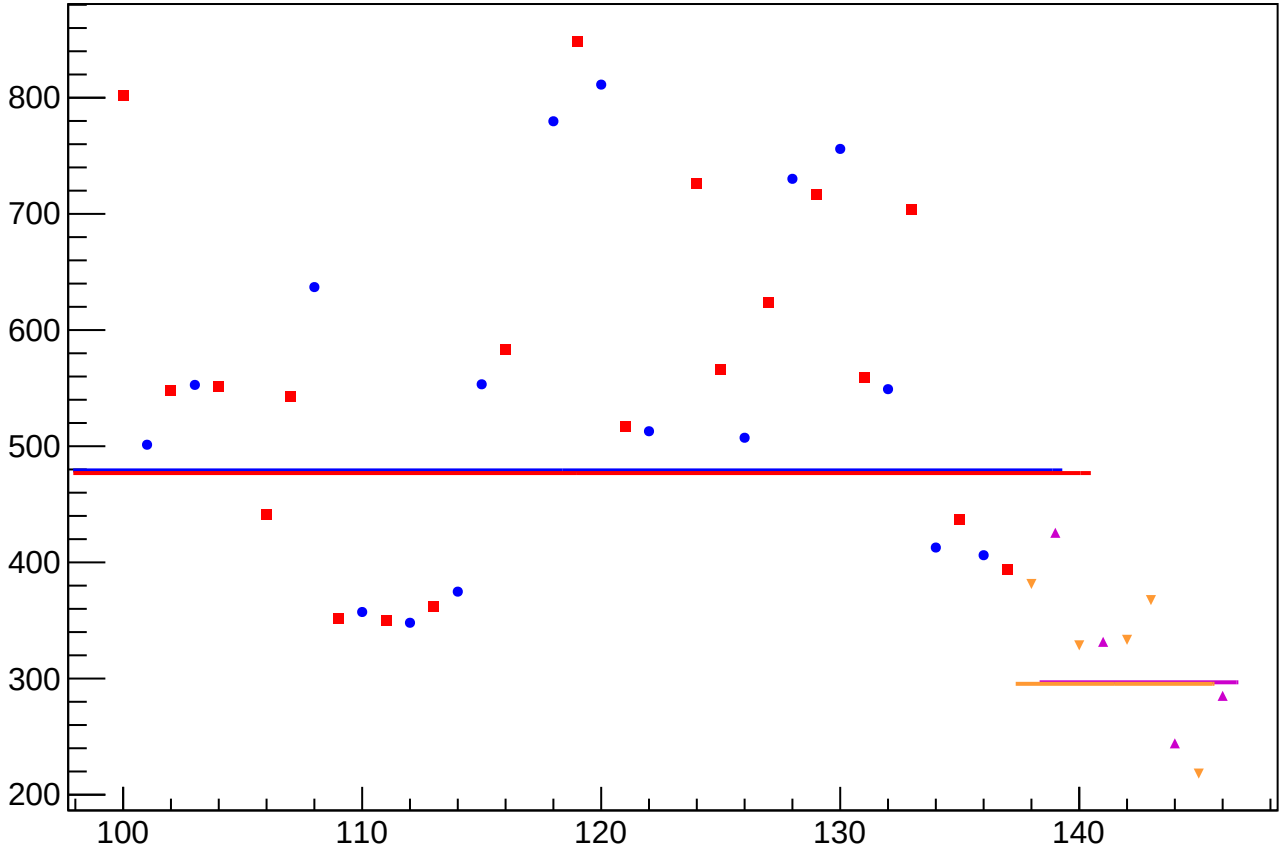
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 201.200+/-122.201 χ^2/NDF:28.0/19

Out: -129.125+/-119.807 χ^2/NDF:26.6/23

All: 32.771+/-85.550 χ^2/NDF: 58.3/43

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: 295.466+/-0.113 χ^2/NDF:365495.9/4

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 296.768+/-0.115 χ^2/NDF:255366.5/3

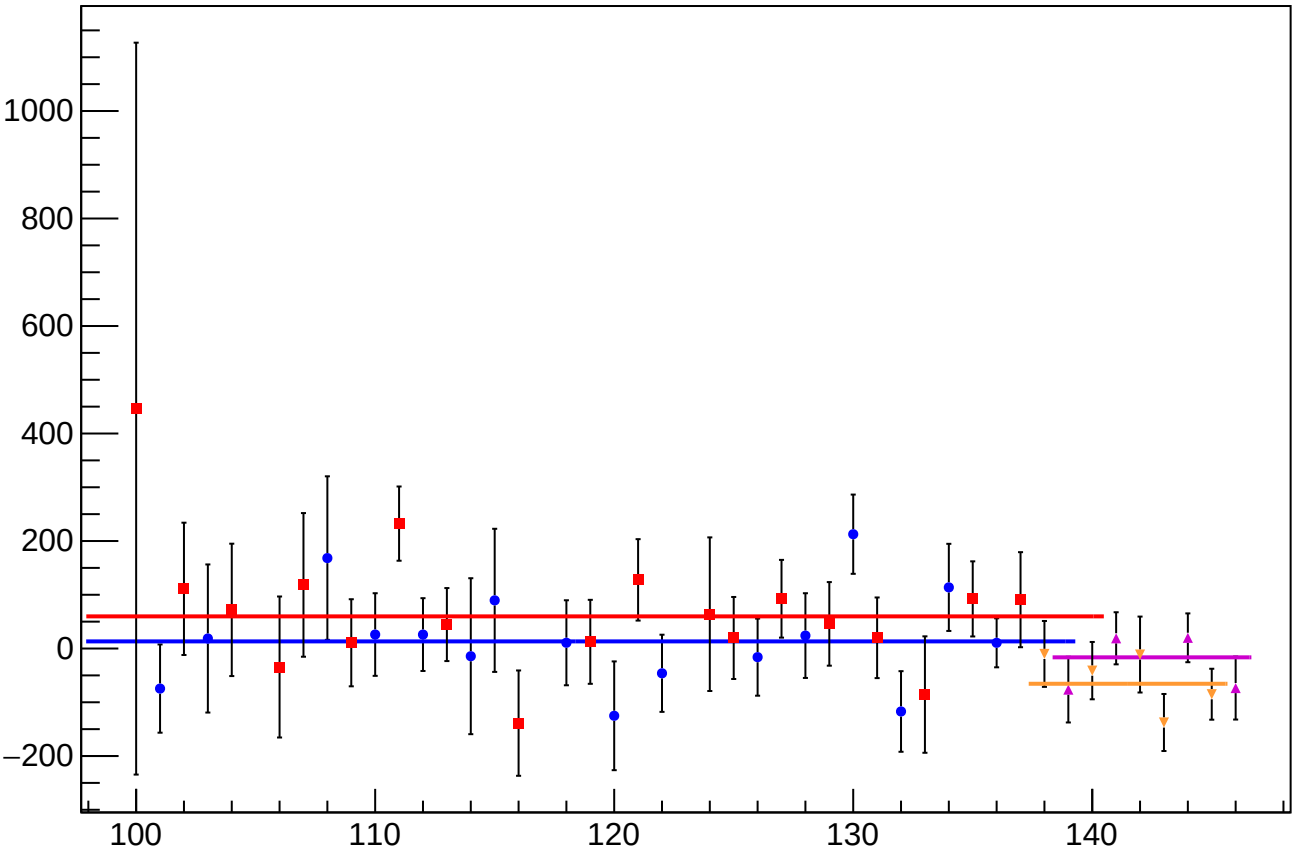
Left: 296.103+/-0.080 χ^2/NDF: 620927.8/8

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 376.176+/-0.086 χ^2/NDF:2303555.8/19

Out: 374.169+/-0.085 χ^2/NDF:2495746.5/23

All: 375.152+/-0.060 χ^2/NDF: 4799577.4/43



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -65.568+/-24.854 χ^2/NDF:3.6/4

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -16.399+/-26.085 χ^2/NDF:3.1/3

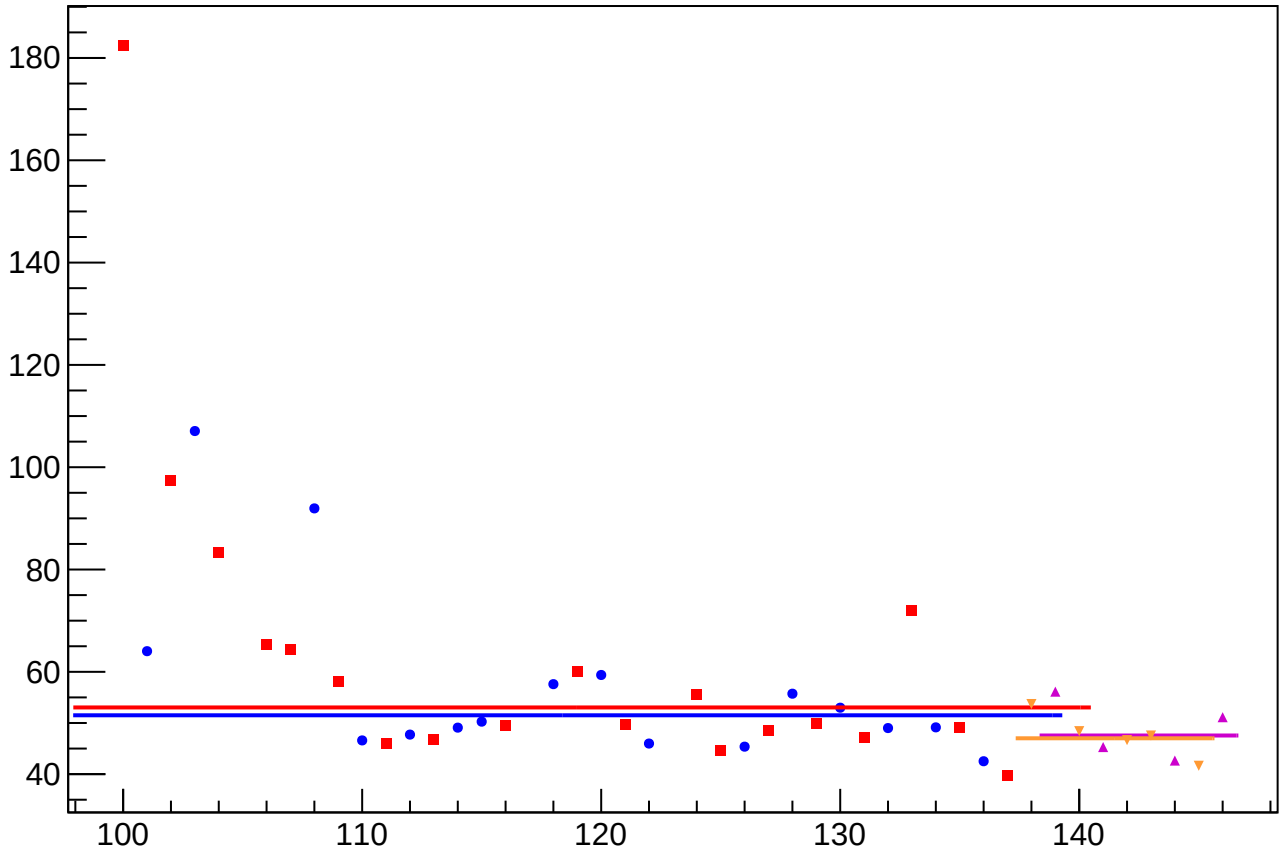
Left: -42.172+/-17.994 χ^2/NDF: 8.6/8

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: 2.388+/-15.796 χ^2/NDF:21.1/19

Out: 9.834+/-15.691 χ^2/NDF:35.0/23

All: 6.136+/-11.132 χ^2/NDF: 56.3/43



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 47.009+/-0.018 χ^2/NDF:51170.4/4

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 47.554+/-0.018 χ^2/NDF:74428.0/3

Left: 47.268+/-0.013 χ^2/NDF: 126056.0/8

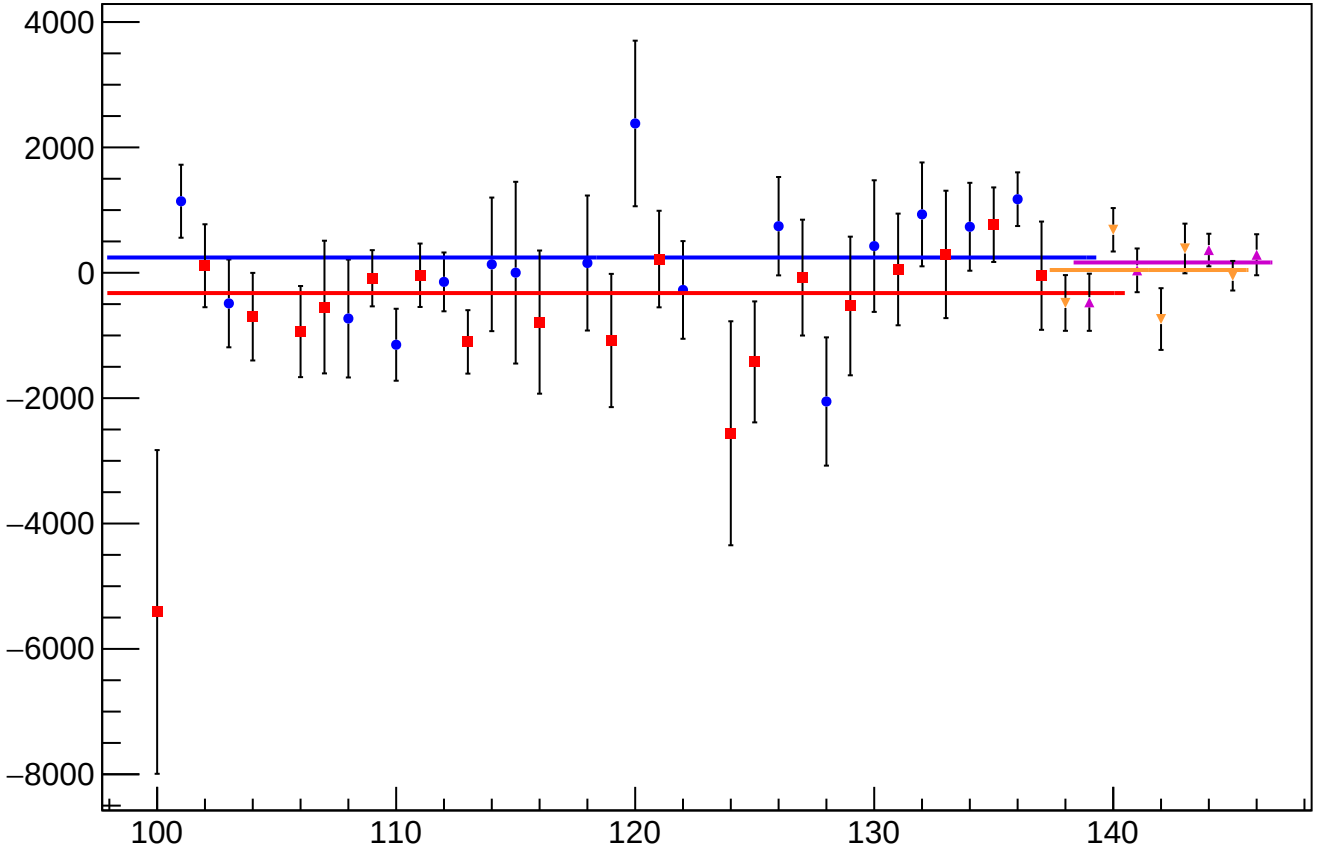
Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 50.056+/-0.011 χ^2/NDF:770559.3/19

Out: 50.634+/-0.011 χ^2/NDF:834852.5/23

All: 50.347+/-0.008 χ^2/NDF: 1606759.3/43

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 44.169+/-154.578 χ^2/NDF:8.3/4

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 164.479+/-164.006 χ^2/NDF:2.8/3

Left: 100.767+/-112.489 χ^2/NDF: 11.3/8

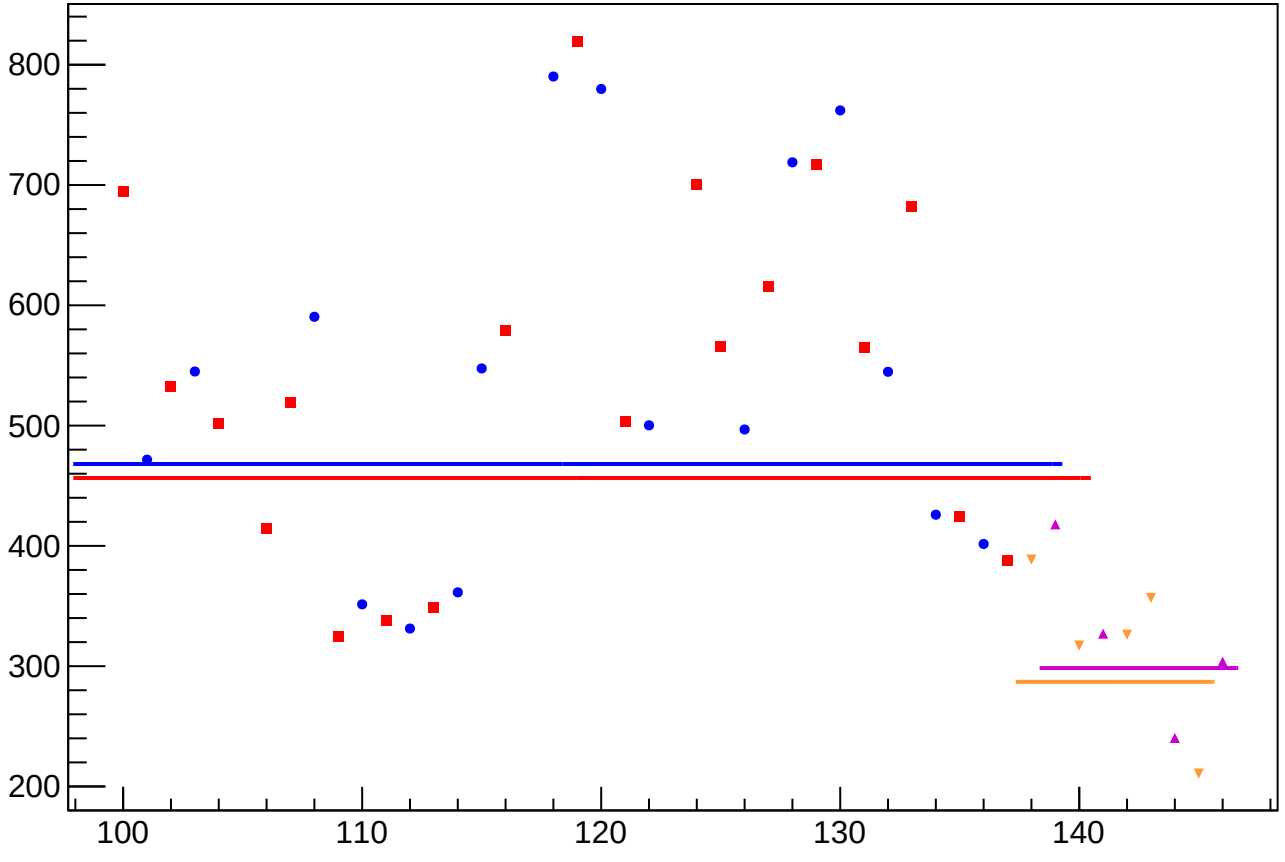
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 200.282+/-121.496 χ^2/NDF:28.5/19

Out: -118.450+/-115.454 χ^2/NDF:27.2/23

All: 32.795+/-83.693 χ^2/NDF: 59.3/43

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: 286.964+/-0.109 χ^2/NDF:403420.2/4

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 298.439+/-0.116 χ^2/NDF:251374.3/3

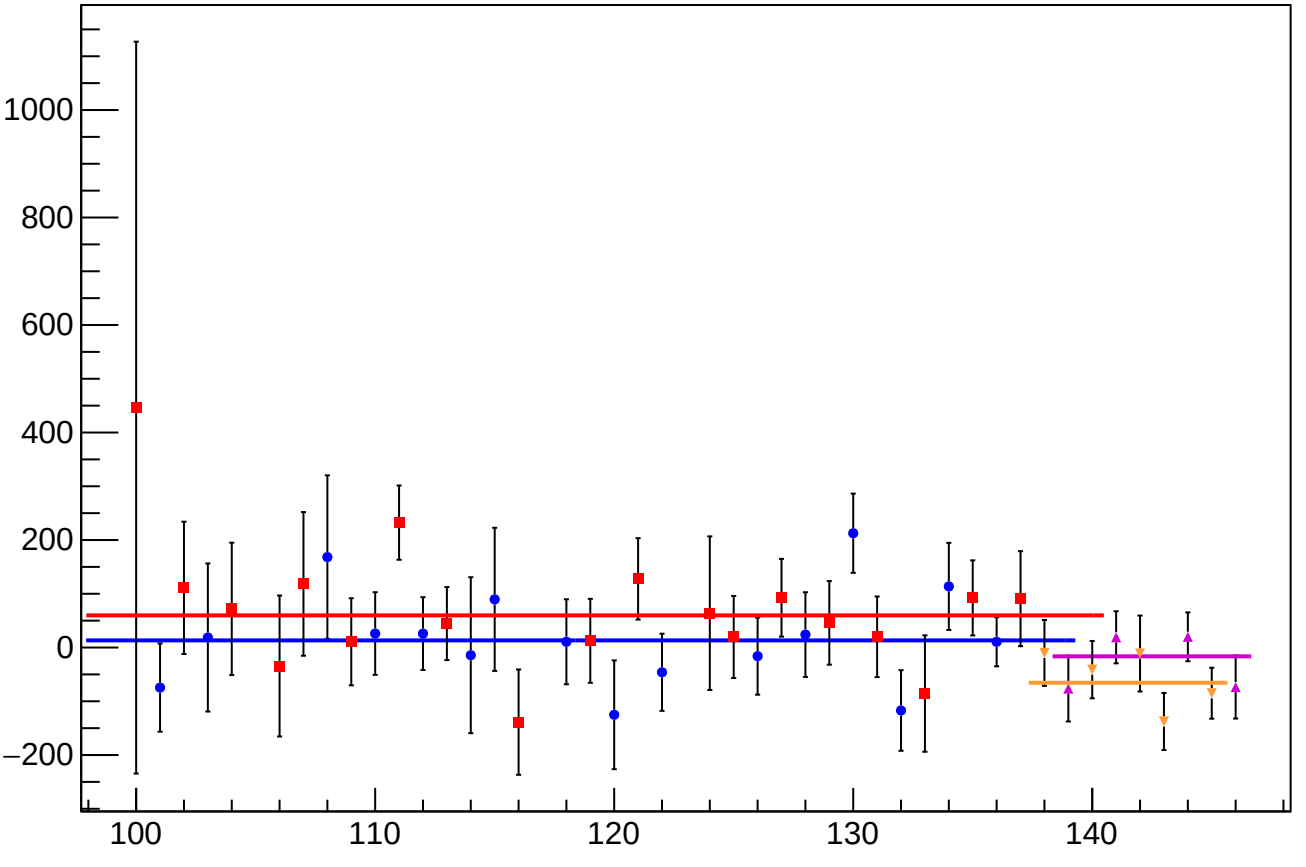
Left: 292.362+/-0.080 χ^2/NDF: 659980.1/8

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 374.977+/-0.086 χ^2/NDF:2199625.9/19

Out: 361.909+/-0.082 χ^2/NDF:2549293.0/23

All: 368.110+/-0.059 χ^2/NDF: 4761077.6/43



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -65.568+/-24.854 χ^2/NDF:3.6/4

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -16.399+/-26.085 χ^2/NDF:3.1/3

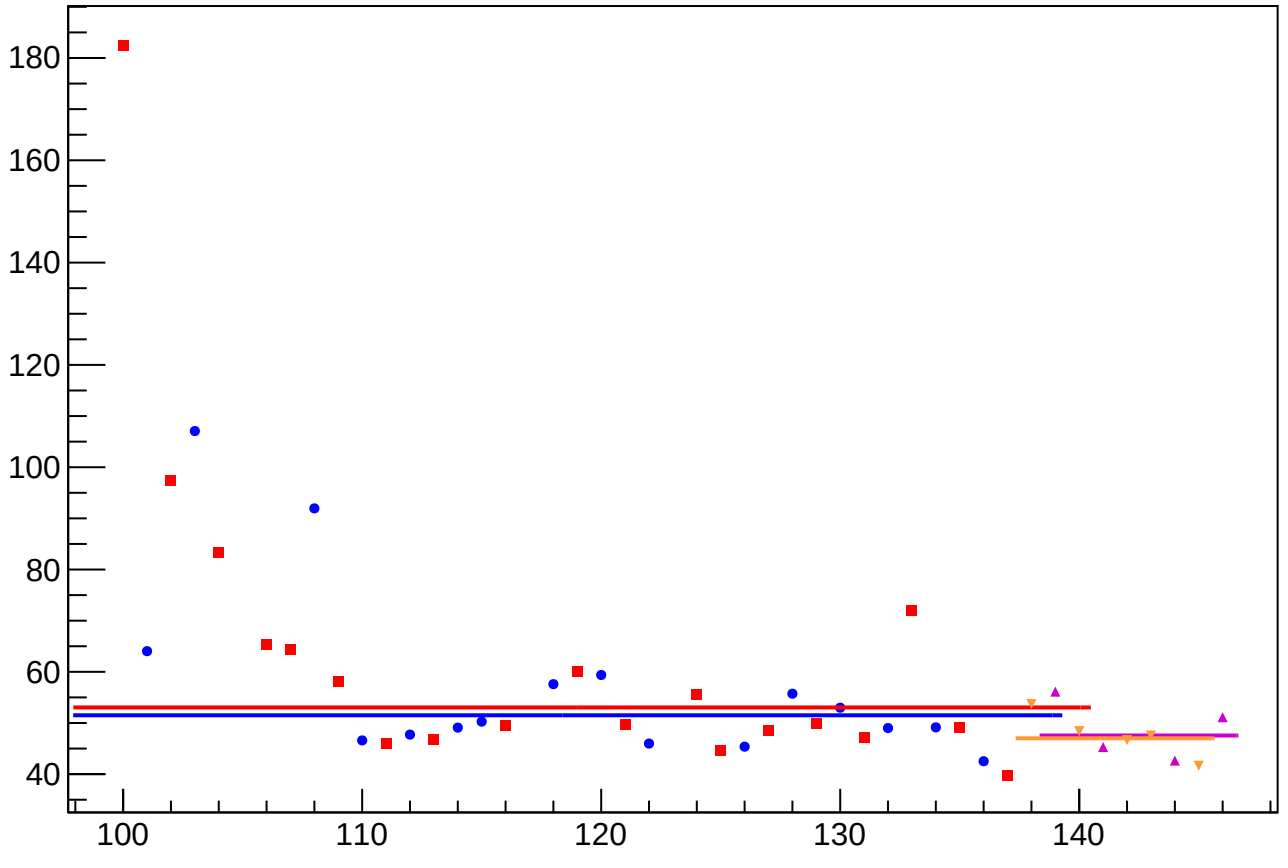
Left: -42.171+/-17.994 χ^2/NDF: 8.6/8

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: 2.388+/-15.796 χ^2/NDF:21.1/19

Out: 9.835+/-15.691 χ^2/NDF:35.0/23

All: 6.136+/-11.132 χ^2/NDF: 56.3/43



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 47.009+/-0.018 χ^2/NDF:51170.7/4

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 47.554+/-0.018 χ^2/NDF:74428.0/3

Left: 47.268+/-0.013 χ^2/NDF: 126056.2/8

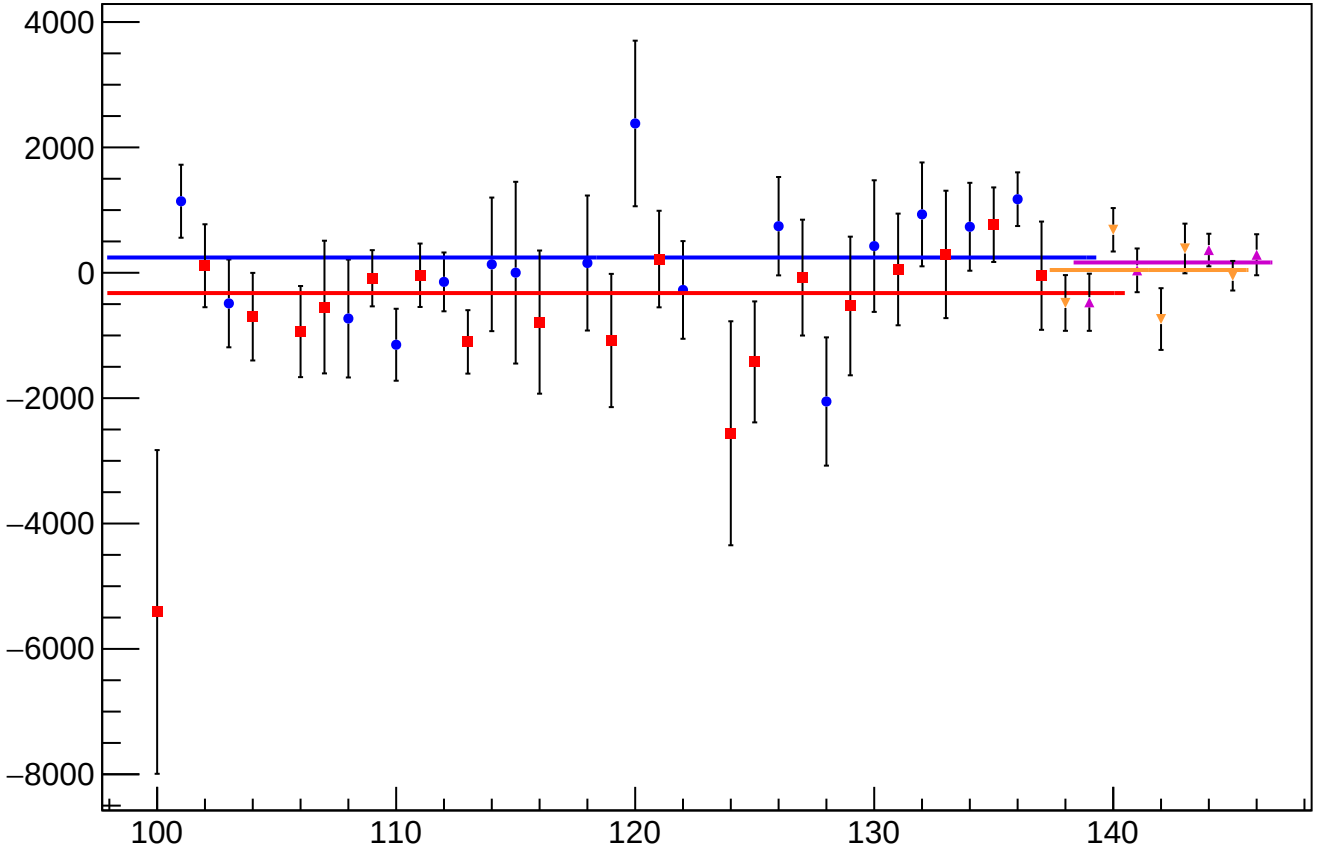
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 50.056+/-0.011 χ^2/NDF:770564.0/19

Out: 50.634+/-0.011 χ^2/NDF:834861.2/23

All: 50.347+/-0.008 χ^2/NDF: 1606772.9/43

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 44.170+/-154.578 χ^2/NDF:8.3/4

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 164.479+/-164.006 χ^2/NDF:2.8/3

Left: 100.767+/-112.489 χ^2/NDF: 11.3/8

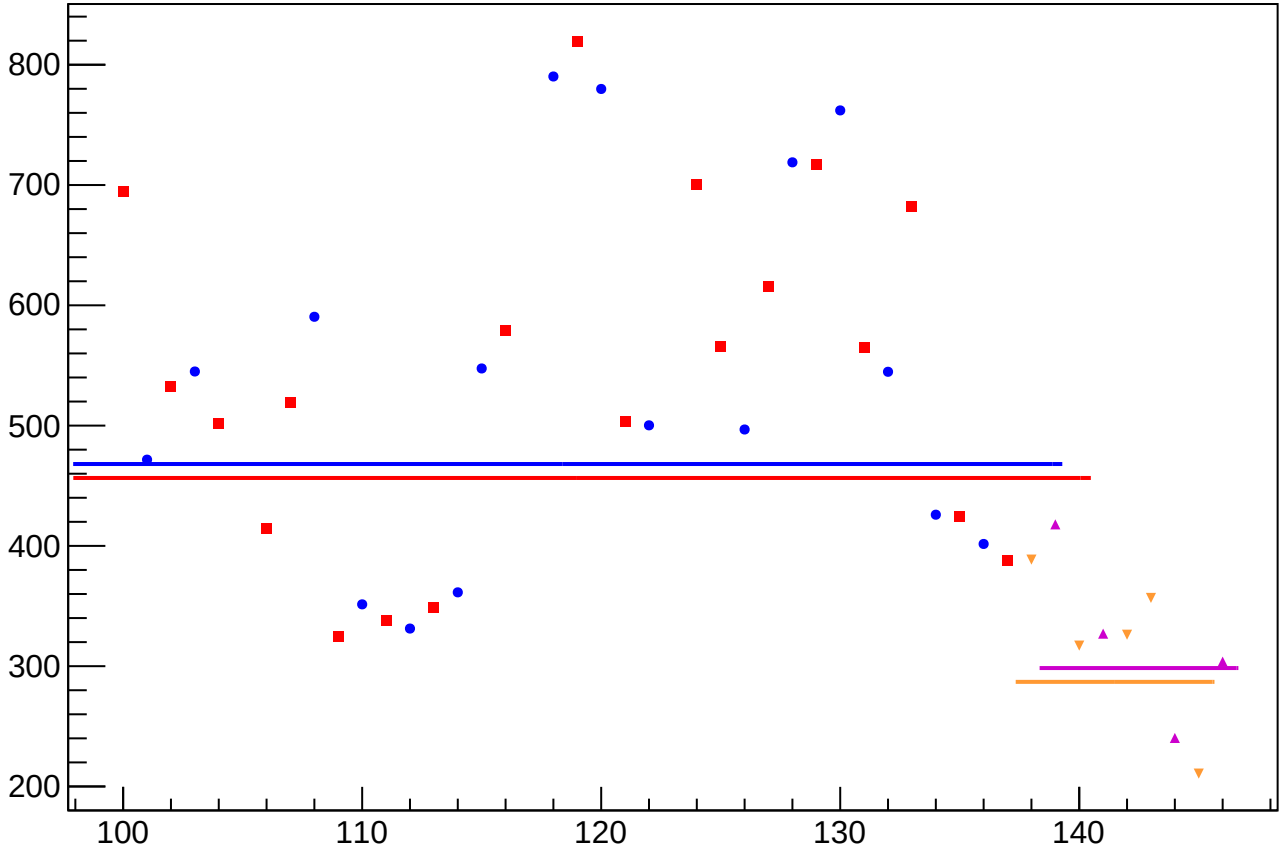
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 200.282+/-121.496 χ^2/NDF:28.5/19

Out: -118.449+/-115.454 χ^2/NDF:27.2/23

All: 32.795+/-83.693 χ^2/NDF: 59.3/43

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: 286.963+/-0.109 χ^2/NDF:403422.4/4

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 298.439+/-0.116 χ^2/NDF:251376.2/3

Left: 292.362+/-0.080 χ^2/NDF: 659984.4/8

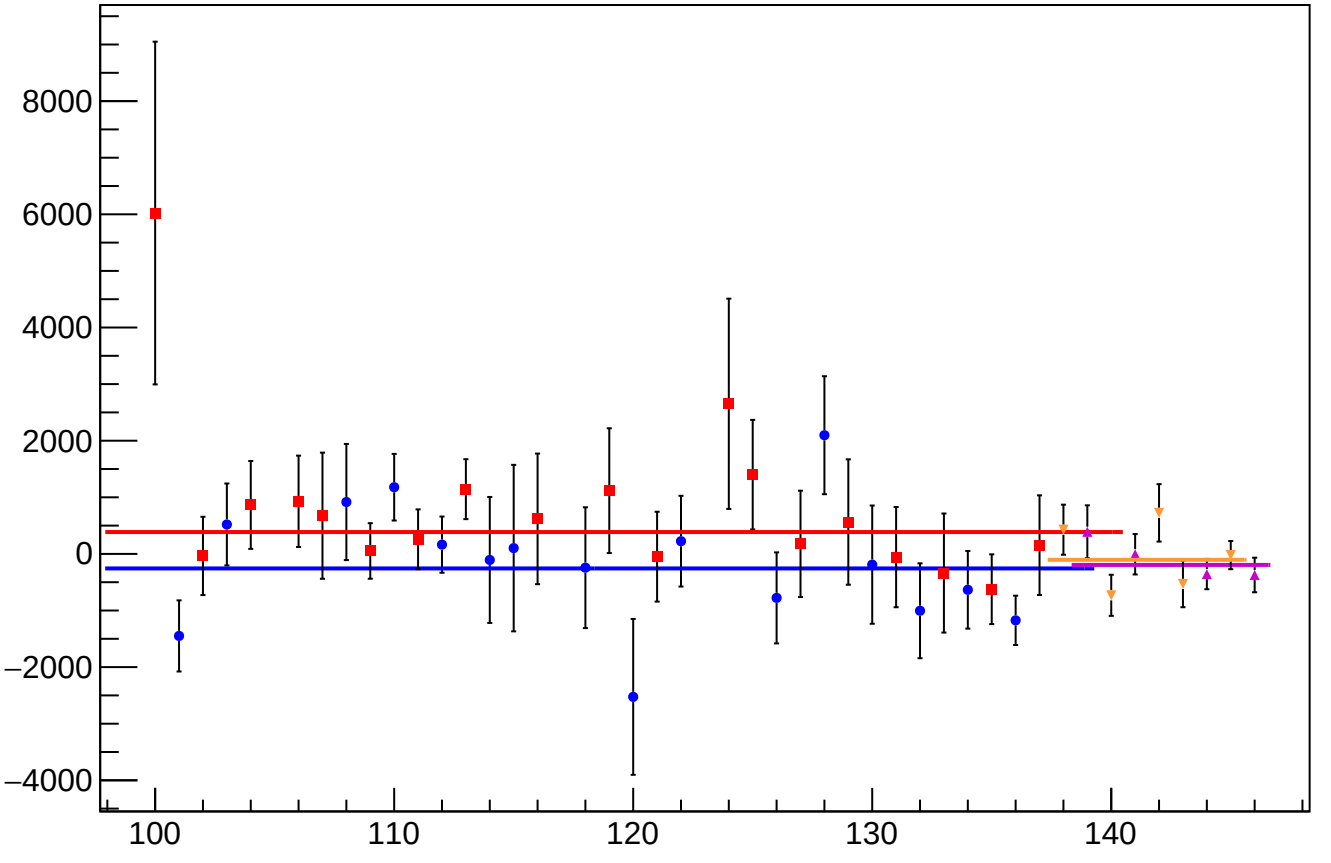
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 374.977+/-0.086 χ^2/NDF:2199618.3/19

Out: 361.908+/-0.082 χ^2/NDF:2549286.1/23

All: 368.110+/-0.059 χ^2/NDF: 4761063.5/43

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -104.167+/-160.825 χ^2/NDF:8.3/4

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -194.473+/-164.213 χ^2/NDF:2.6/3

Left: -148.379+/-114.900 χ^2/NDF: 11.0/8

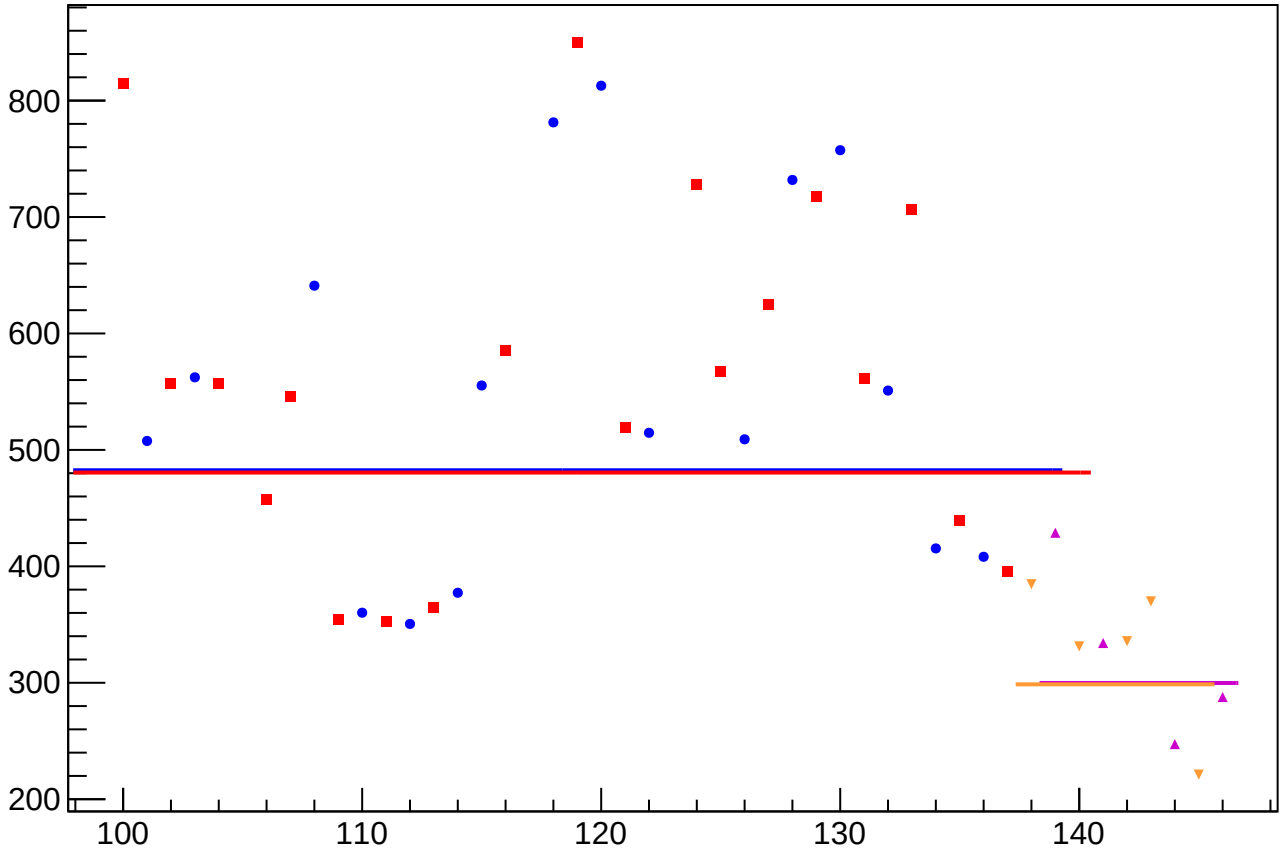
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -221.675+/-123.235 χ^2/NDF:29.5/19

Out: 110.472+/-120.620 χ^2/NDF:26.6/23

All: -52.040+/-86.201 χ^2/NDF: 59.8/43

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 298.652+/-0.114 χ^2/NDF:356684.1/4

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 299.834+/-0.116 χ^2/NDF:251025.8/3

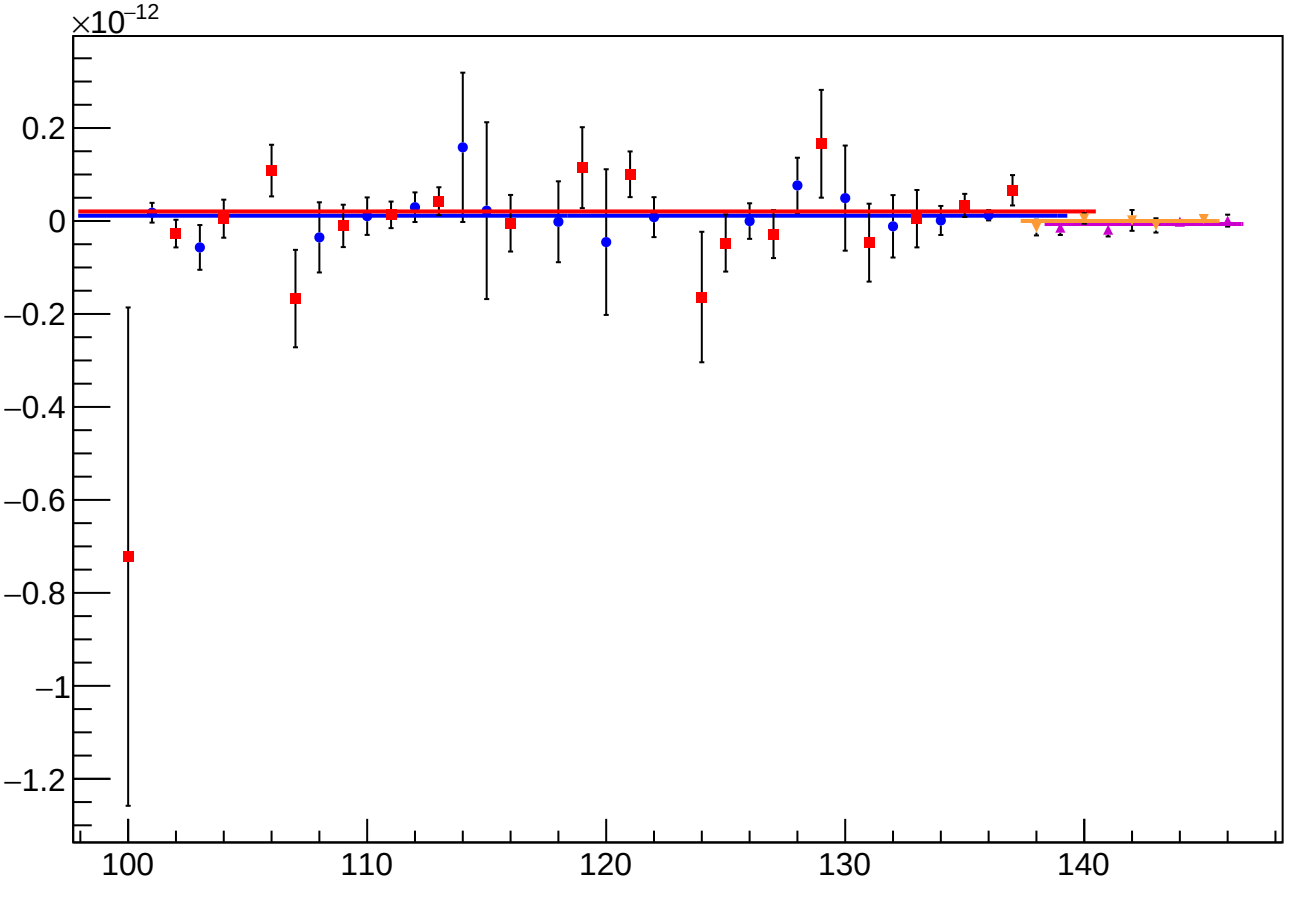
Left: 299.230+/-0.081 χ^2/NDF: 607762.8/8

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 379.629+/-0.087 χ^2/NDF:2278691.7/19

Out: 378.234+/-0.085 χ^2/NDF:2469888.5/23

All: 378.917+/-0.061 χ^2/NDF: 4748711.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/3

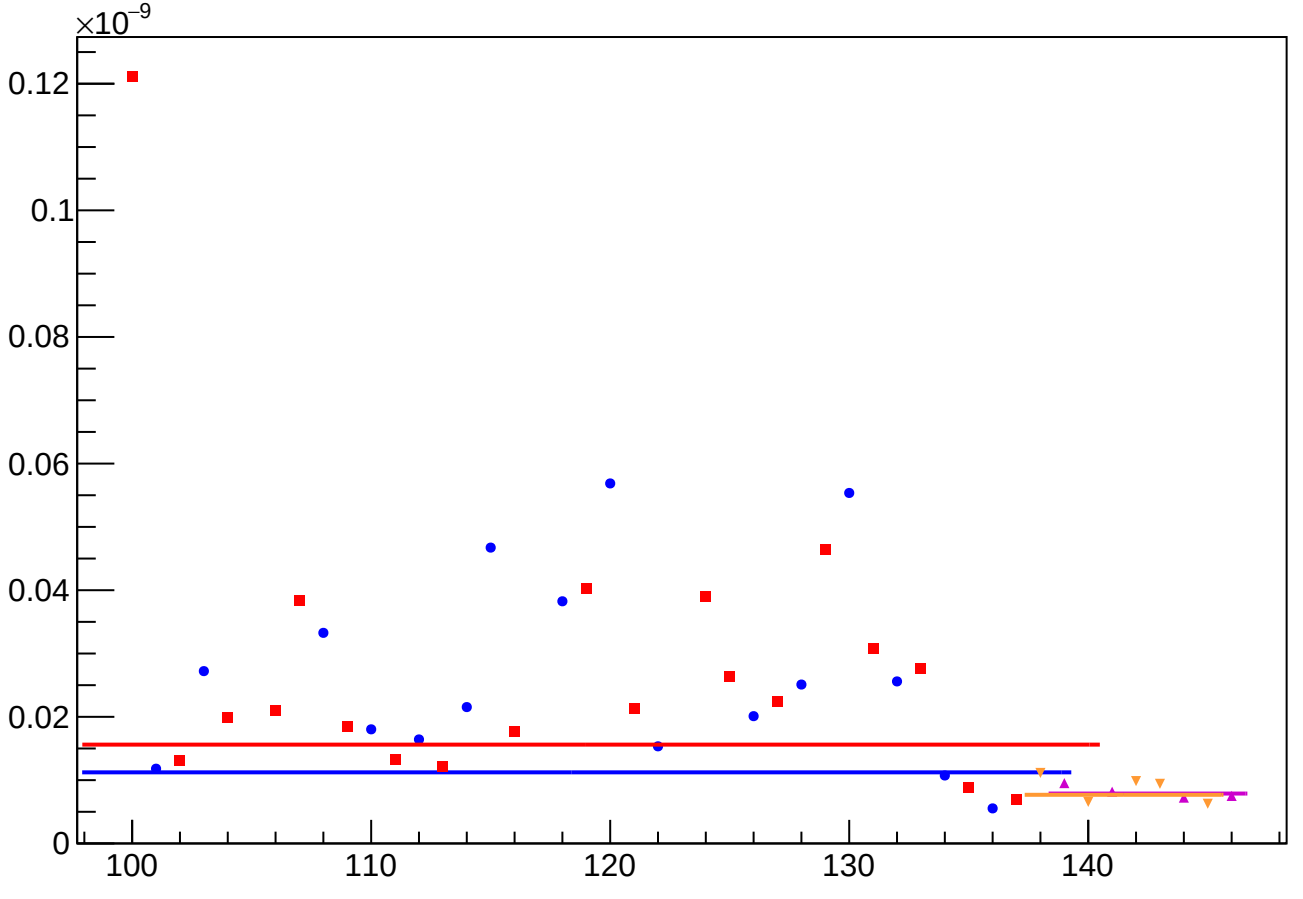
Left: -0.000+/-0.000 χ^2/NDF: 3.5/8

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: 0.000+/-0.000 χ^2/NDF:9.9/19

Out: 0.000+/-0.000 χ^2/NDF:28.2/23

All: 0.000+/-0.000 χ^2/NDF: 38.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:189441.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:31521.7/3

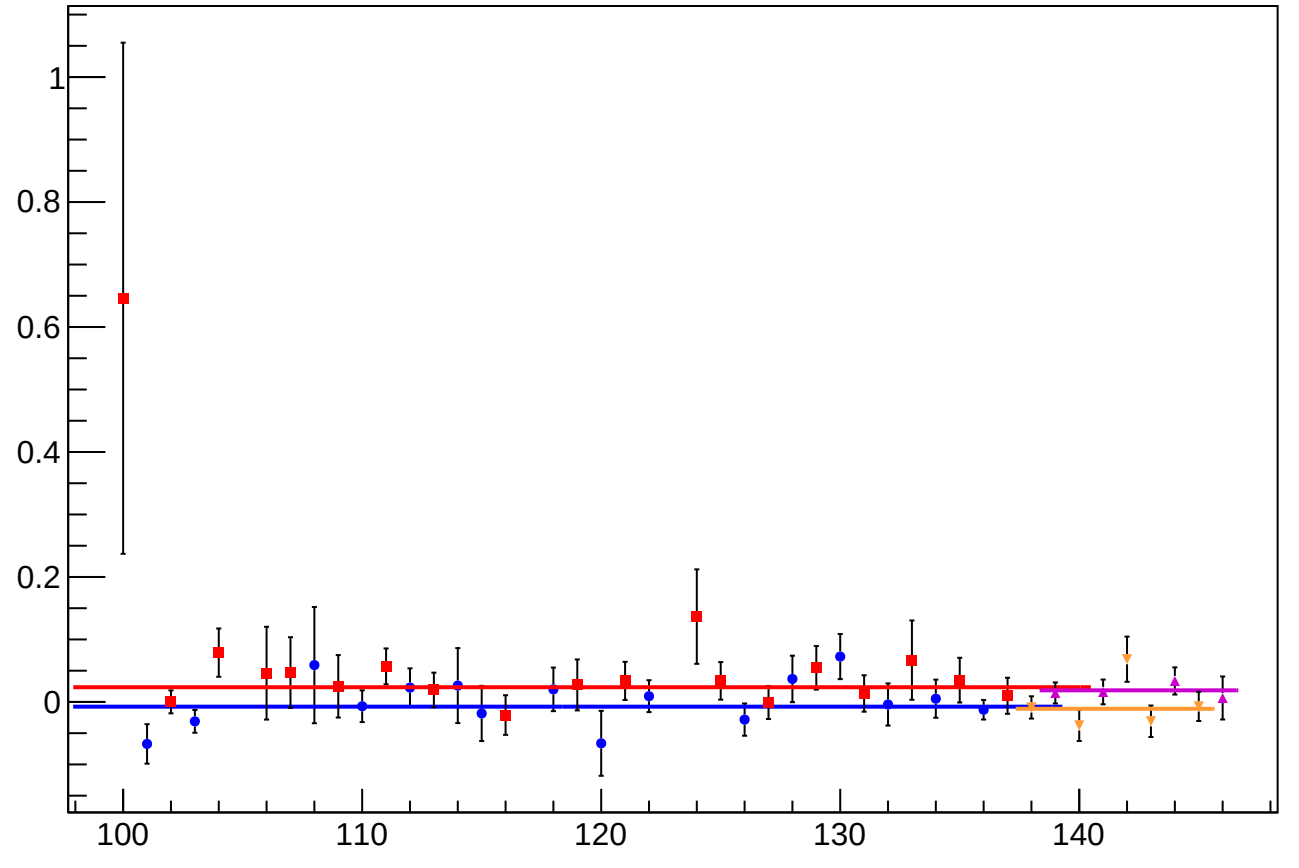
Left: 0.000+/-0.000 χ^2/NDF: 221960.7/8

Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2345876.1/19

Out: 0.000+/-0.000 χ^2/NDF:2266502.3/23

All: 0.000+/-0.000 χ^2/NDF: 4620797.6/43



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.011 χ^2/NDF:6.6/4

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.019+/-0.011 χ^2/NDF:0.7/3

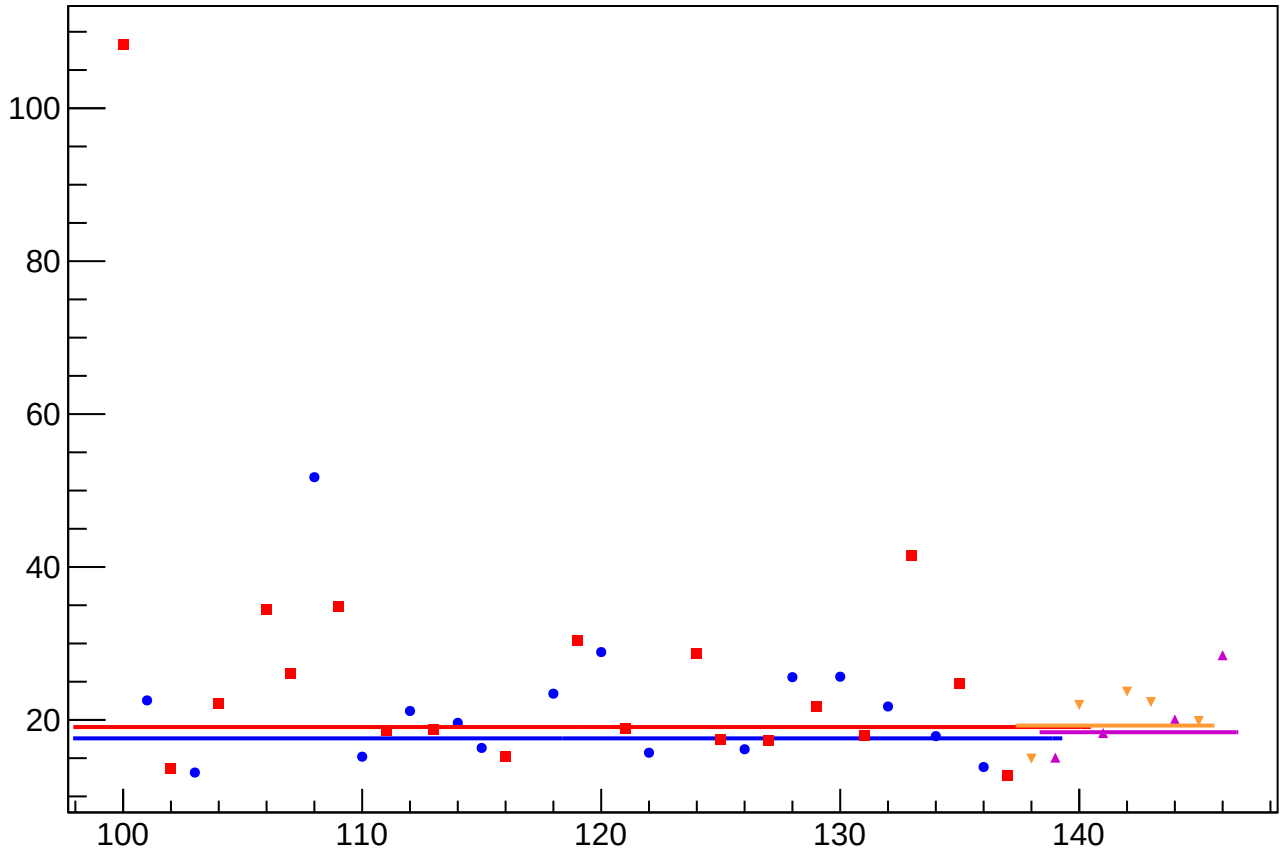
Left: 0.004+/-0.007 χ^2/NDF: 11.2/8

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/19

Out: 0.012+/-0.006 χ^2/NDF:28.2/23

All: 0.006+/-0.004 χ^2/NDF: 51.3/43



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 19.267+/-0.007 χ^2/NDF:202273.2/4

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 18.394+/-0.007 χ^2/NDF:261257.5/3

Left: 18.827+/-0.005 χ^2/NDF: 470376.7/8

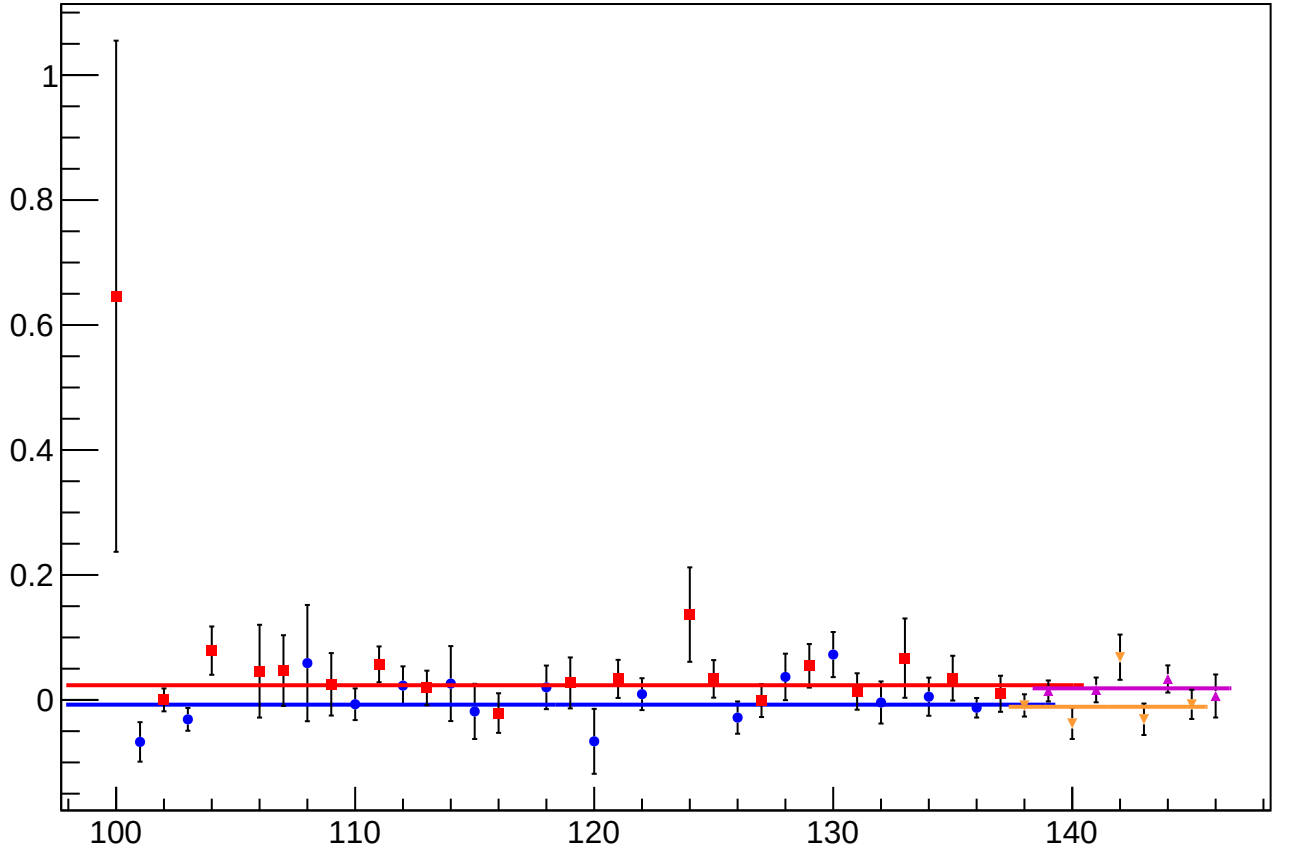
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.848+/-0.004 χ^2/NDF:1262439.8/19

Out: 19.140+/-0.004 χ^2/NDF:1450696.7/23

All: 18.461+/-0.003 χ^2/NDF: 2758062.3/43

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: -0.011+/-0.011 χ^2/NDF:6.6/4

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.019+/-0.011 χ^2/NDF:0.7/3

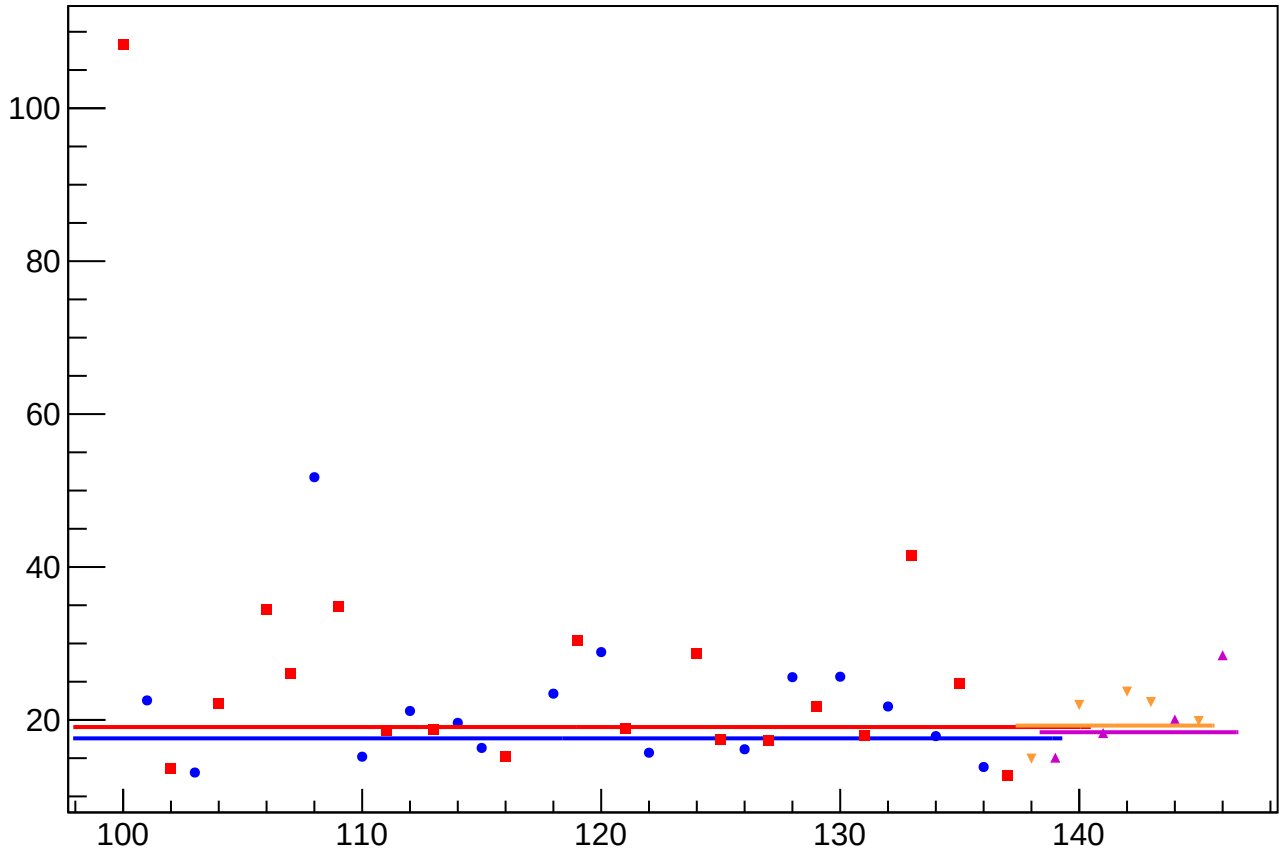
Left: 0.004+/-0.007 χ^2/NDF: 11.2/8

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/19

Out: 0.012+/-0.006 χ^2/NDF:28.2/23

All: 0.006+/-0.004 χ^2/NDF: 51.3/43



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 19.267+/-0.007 χ^2/NDF:202273.2/4

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 18.394+/-0.007 χ^2/NDF:261257.5/3

Left: 18.827+/-0.005 χ^2/NDF: 470376.7/8

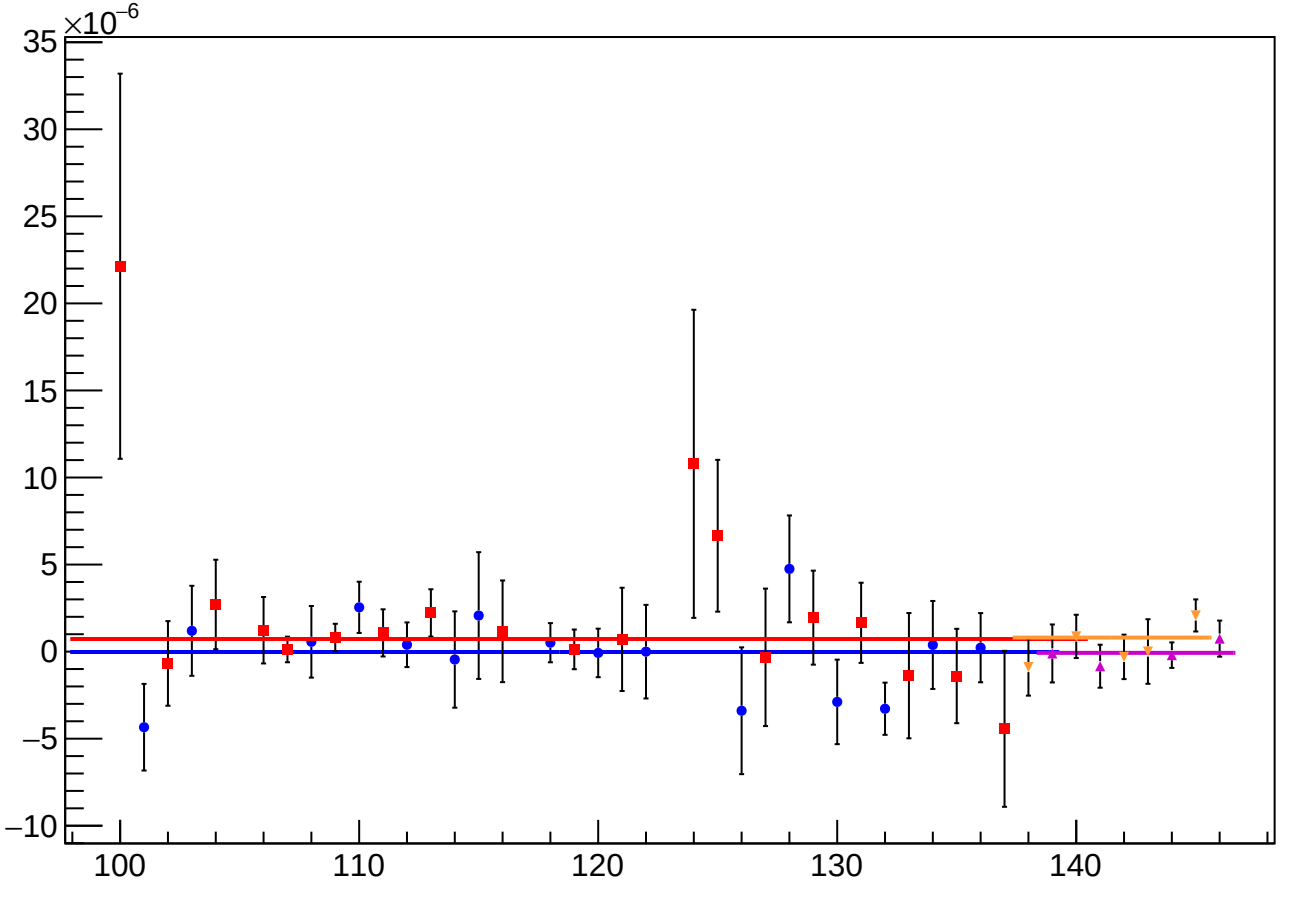
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.848+/-0.004 χ^2/NDF:1262439.8/19

Out: 19.140+/-0.004 χ^2/NDF:1450696.7/23

All: 18.461+/-0.003 χ^2/NDF: 2758062.3/43

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

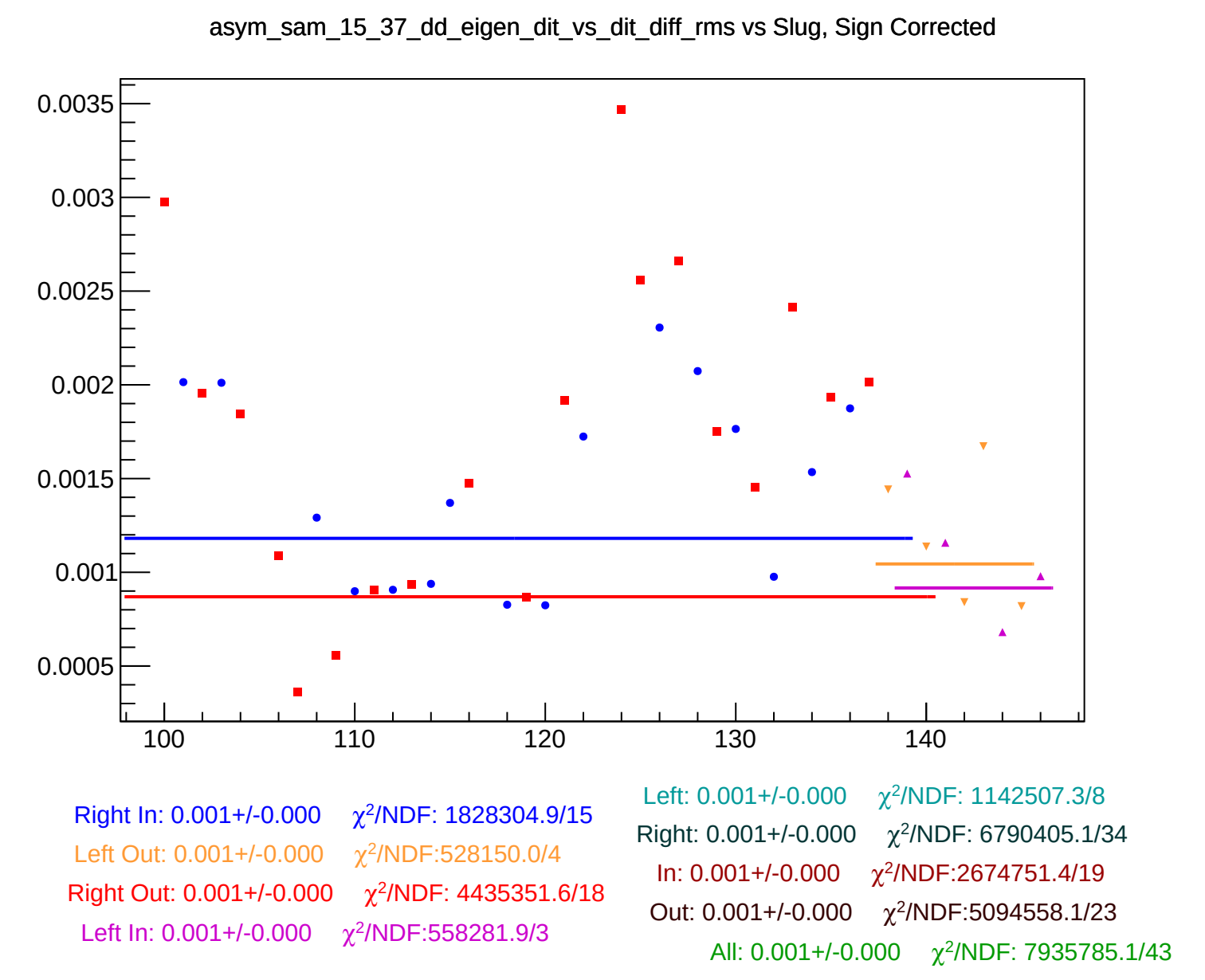
Left: 0.000+/-0.000 χ^2/NDF: 6.3/8

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

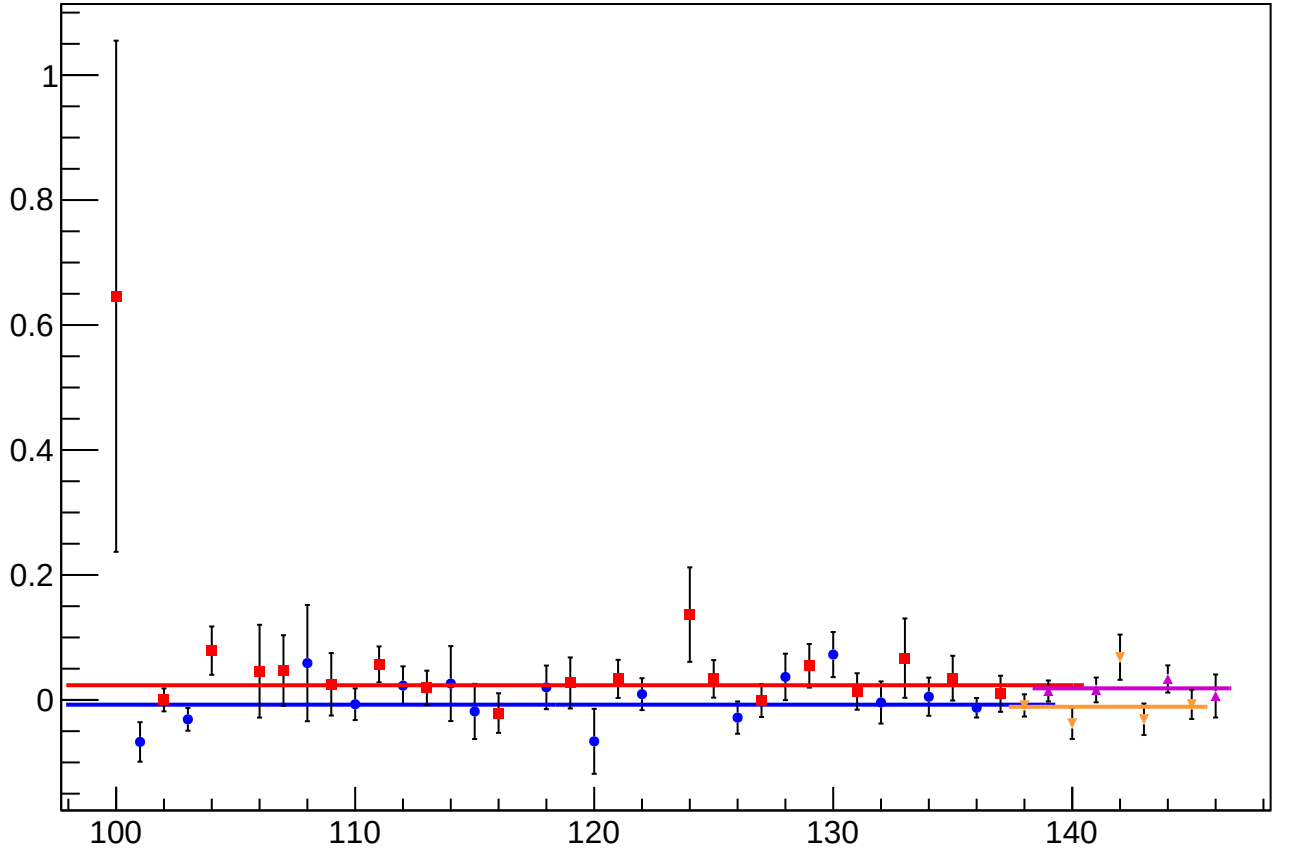
In: -0.000+/-0.000 χ^2/NDF:17.5/19

Out: 0.000+/-0.000 χ^2/NDF:16.8/23

All: 0.000+/-0.000 χ^2/NDF: 37.2/43


asym_sam_15_37_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
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:528150.0/4
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:558281.9/3
Left: 0.001+/-0.000 χ²/NDF: 1142507.3/8
Right: 0.001+/-0.000 χ²/NDF: 6790405.1/34
In: 0.001+/-0.000 χ²/NDF:2674751.4/19
Out: 0.001+/-0.000 χ²/NDF:5094558.1/23
All: 0.001+/-0.000 χ²/NDF: 7935785.1/43

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: -0.011+/-0.011 χ^2/NDF:6.6/4

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.019+/-0.011 χ^2/NDF:0.7/3

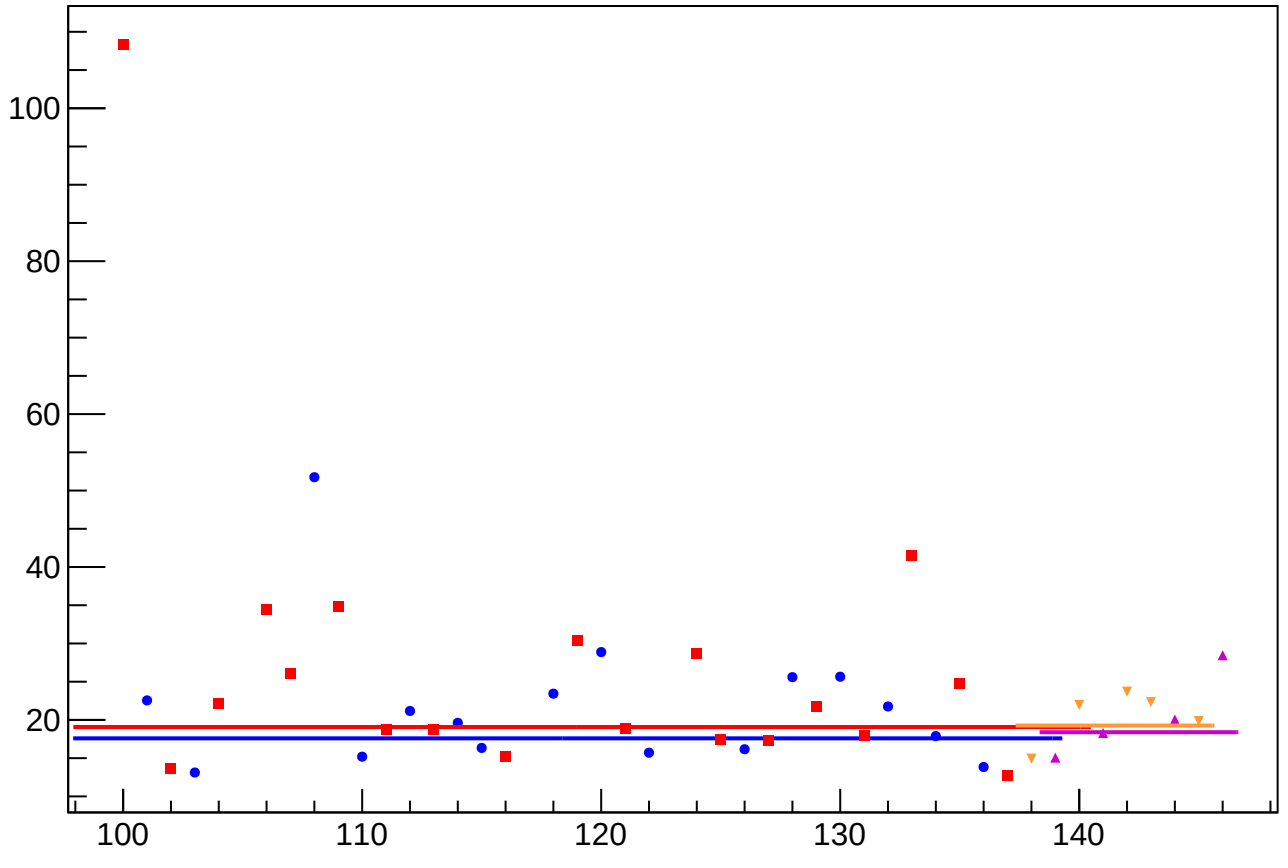
Left: 0.004+/-0.007 χ^2/NDF: 11.2/8

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/19

Out: 0.012+/-0.006 χ^2/NDF:28.2/23

All: 0.006+/-0.004 χ^2/NDF: 51.3/43



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 19.267+/-0.007 χ^2/NDF:202275.3/4

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 18.394+/-0.007 χ^2/NDF:261245.8/3

Left: 18.828+/-0.005 χ^2/NDF: 470365.1/8

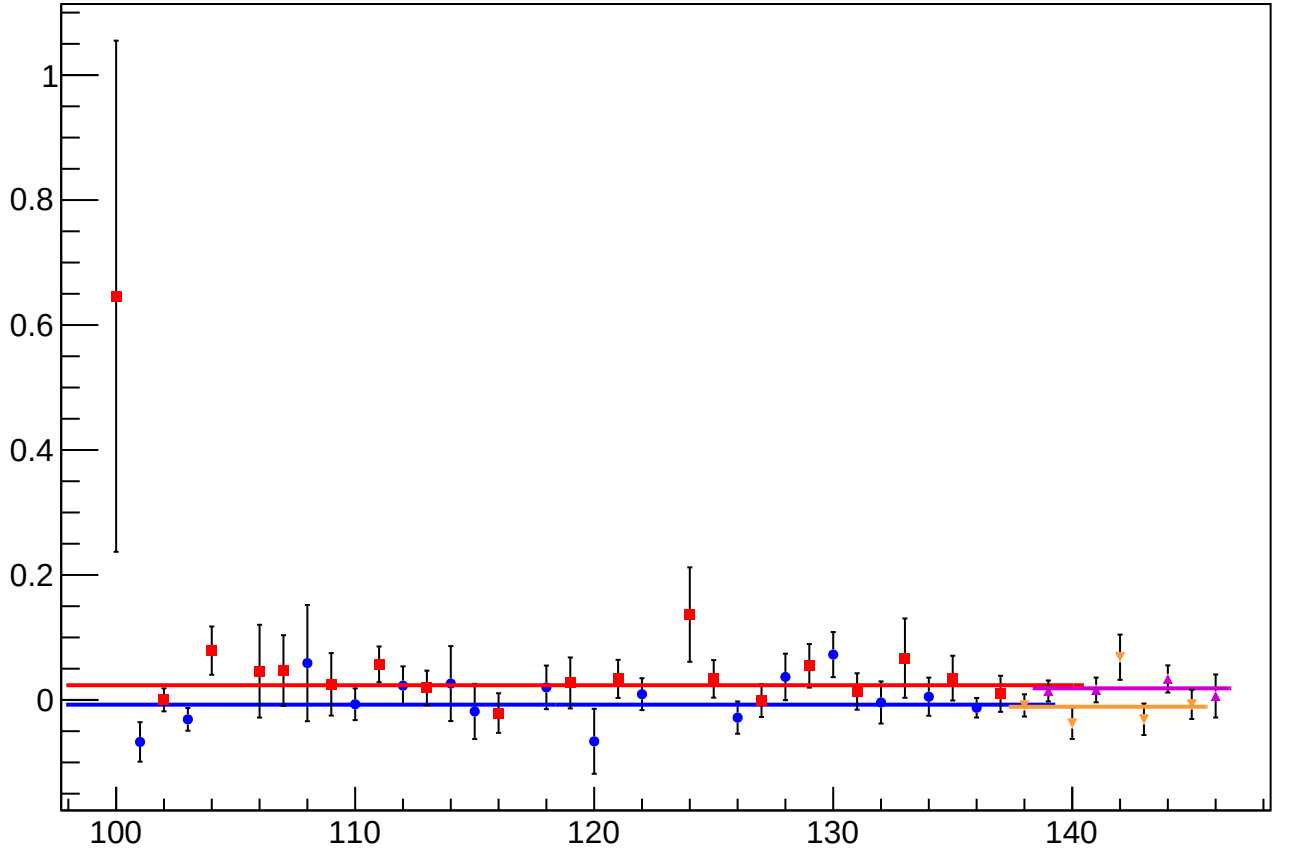
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.848+/-0.004 χ^2/NDF:1262471.0/19

Out: 19.140+/-0.004 χ^2/NDF:1450619.5/23

All: 18.461+/-0.003 χ^2/NDF: 2758026.8/43

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: -0.011+/-0.011 χ^2/NDF:6.6/4

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.019+/-0.011 χ^2/NDF:0.7/3

Left: 0.004+/-0.007 χ^2/NDF: 11.2/8

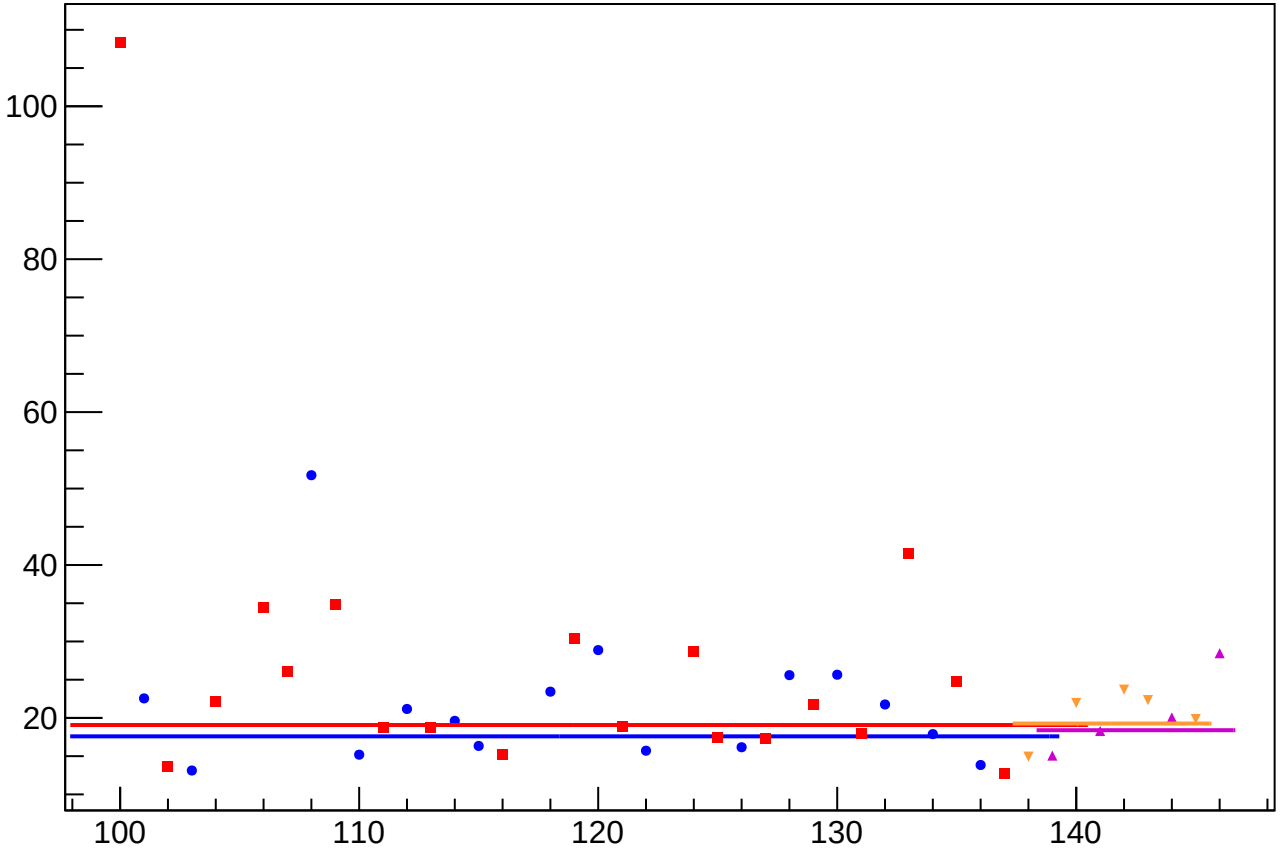
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/19

Out: 0.012+/-0.006 χ^2/NDF:28.2/23

All: 0.006+/-0.004 χ^2/NDF: 51.3/43

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: 19.267+/-0.007 χ^2/NDF:202275.3/4

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 18.394+/-0.007 χ^2/NDF:261245.8/3

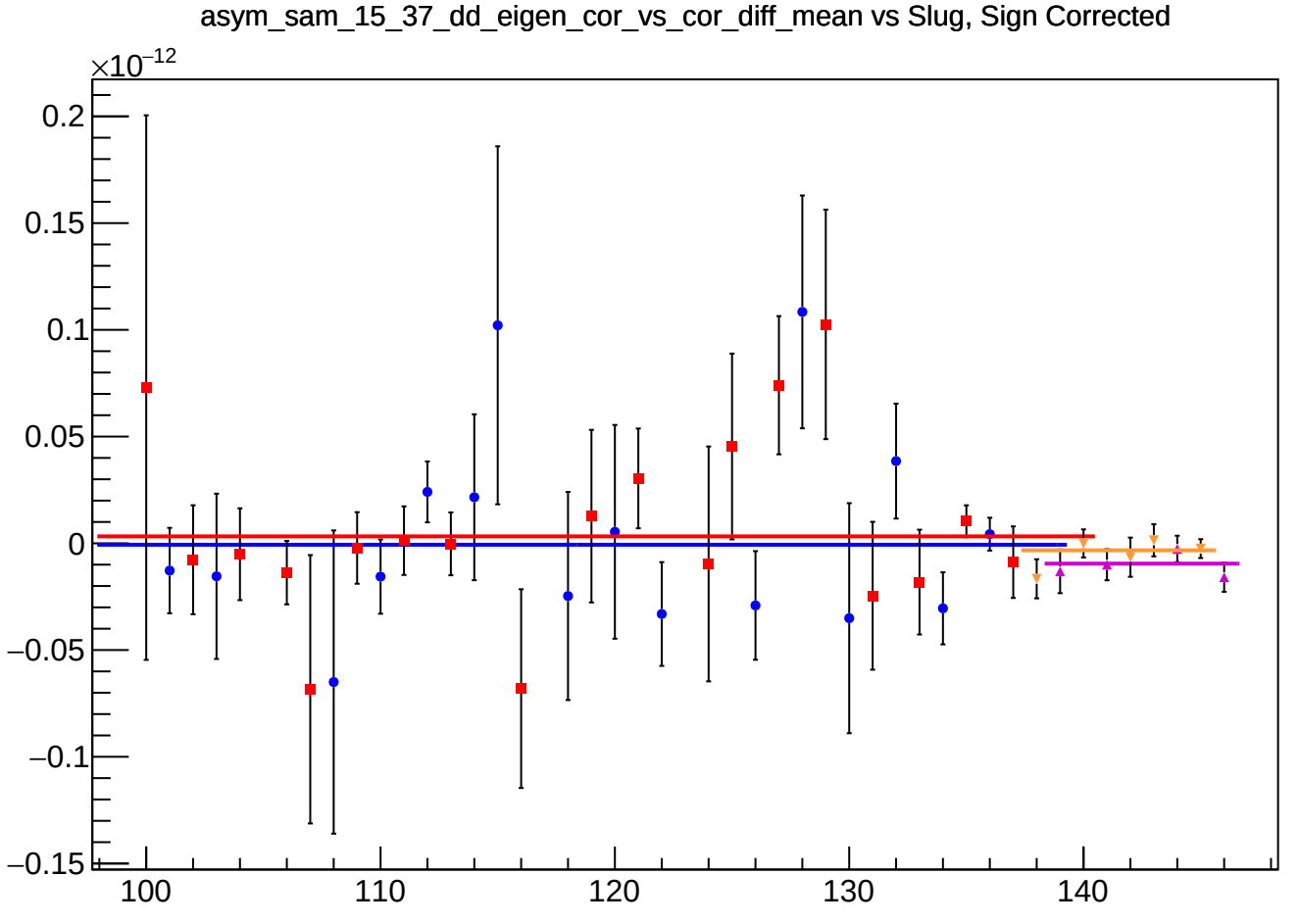
Left: 18.828+/-0.005 χ^2/NDF: 470365.1/8

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.848+/-0.004 χ^2/NDF:1262471.0/19

Out: 19.140+/-0.004 χ^2/NDF:1450619.5/23

All: 18.461+/-0.003 χ^2/NDF: 2758026.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/3

Left: -0.000+/-0.000 χ^2/NDF: 6.9/8

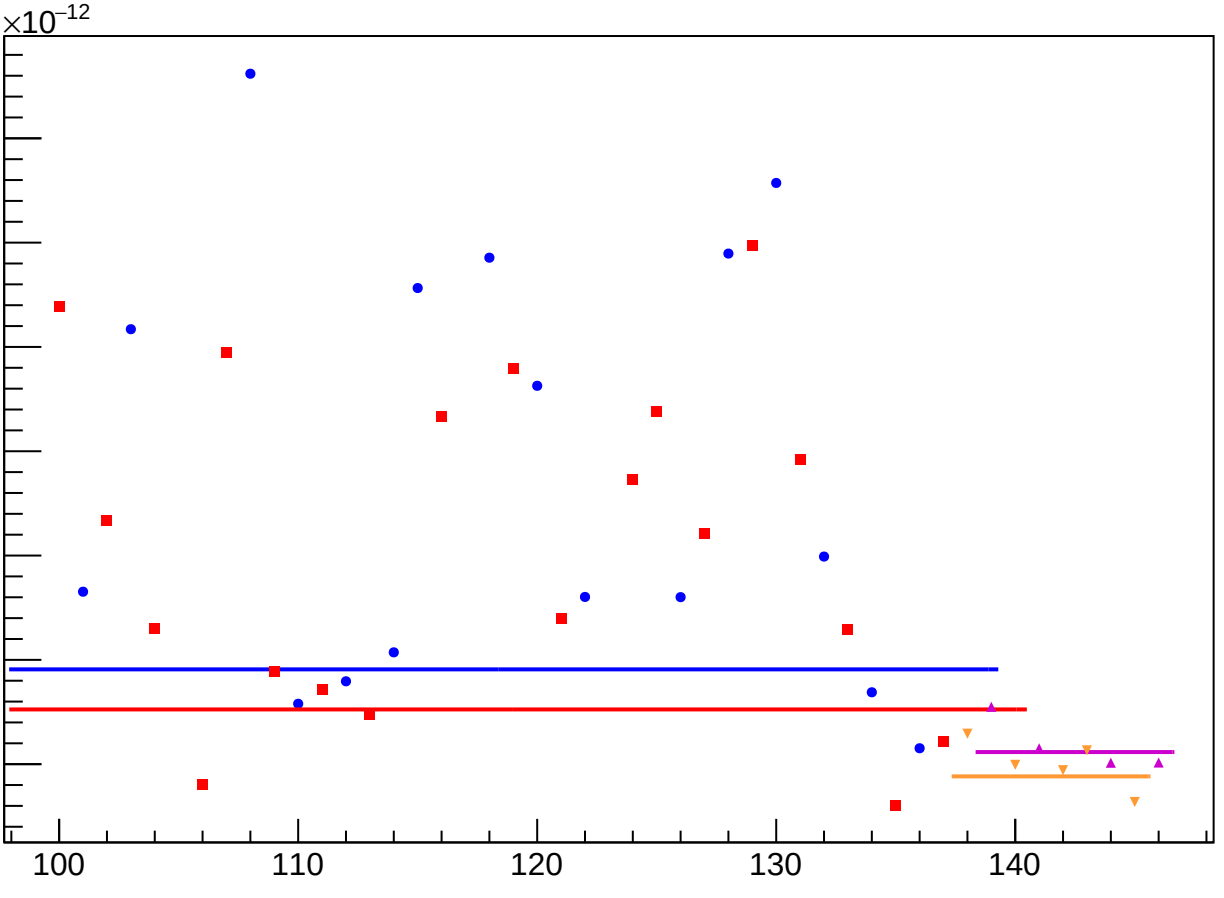
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:24.5/19

Out: -0.000+/-0.000 χ^2/NDF:23.6/23

All: -0.000+/-0.000 χ^2/NDF: 49.9/43

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:325592.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:115713.1/3

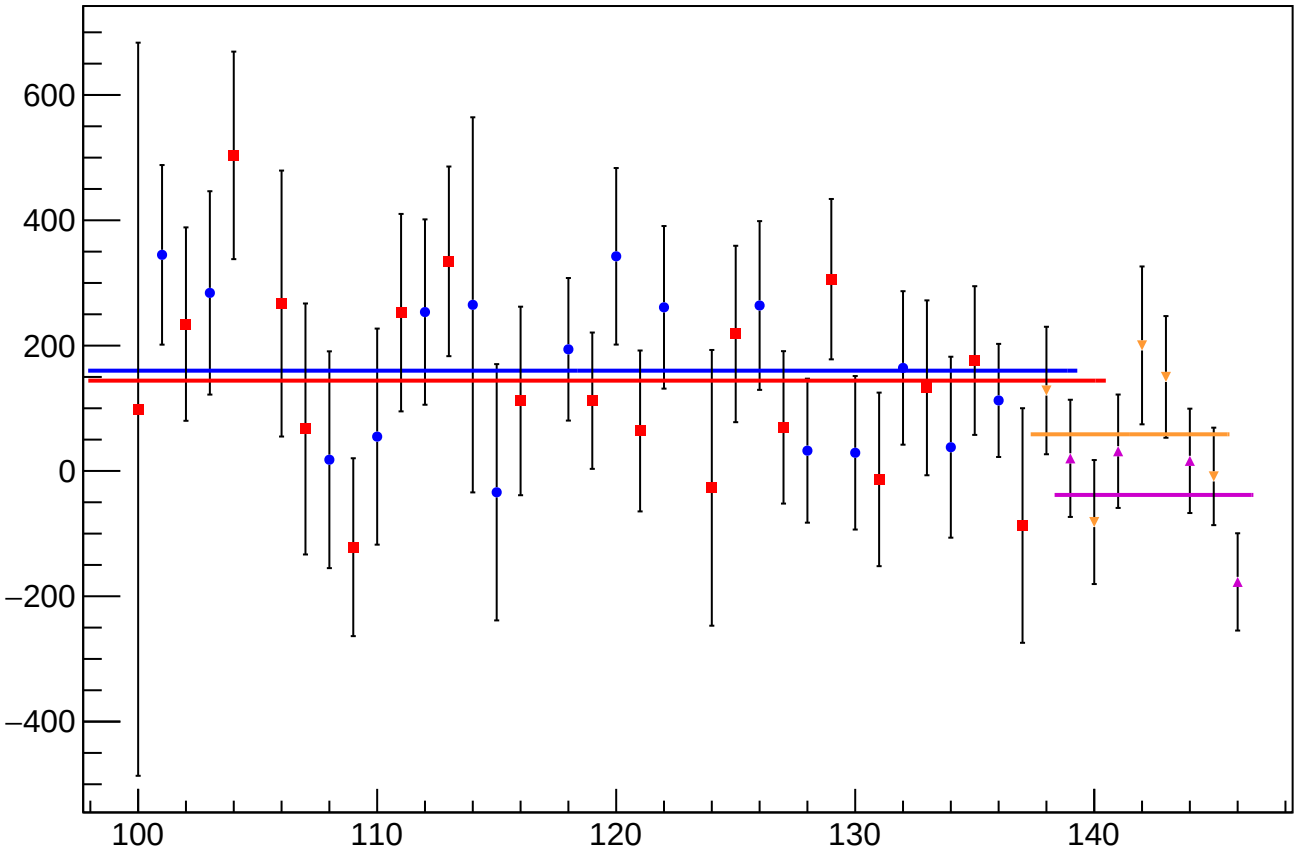
Left: 0.000+/-0.000 χ^2/NDF: 565984.7/8

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:3557099.3/19

Out: 0.000+/-0.000 χ^2/NDF:4128057.0/23

All: 0.000+/-0.000 χ^2/NDF: 8009468.6/43



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 58.479+/-43.306 χ^2/NDF:5.4/4

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -38.276+/-42.770 χ^2/NDF:4.6/3

Left: 9.499+/-30.431 χ^2/NDF: 12.5/8

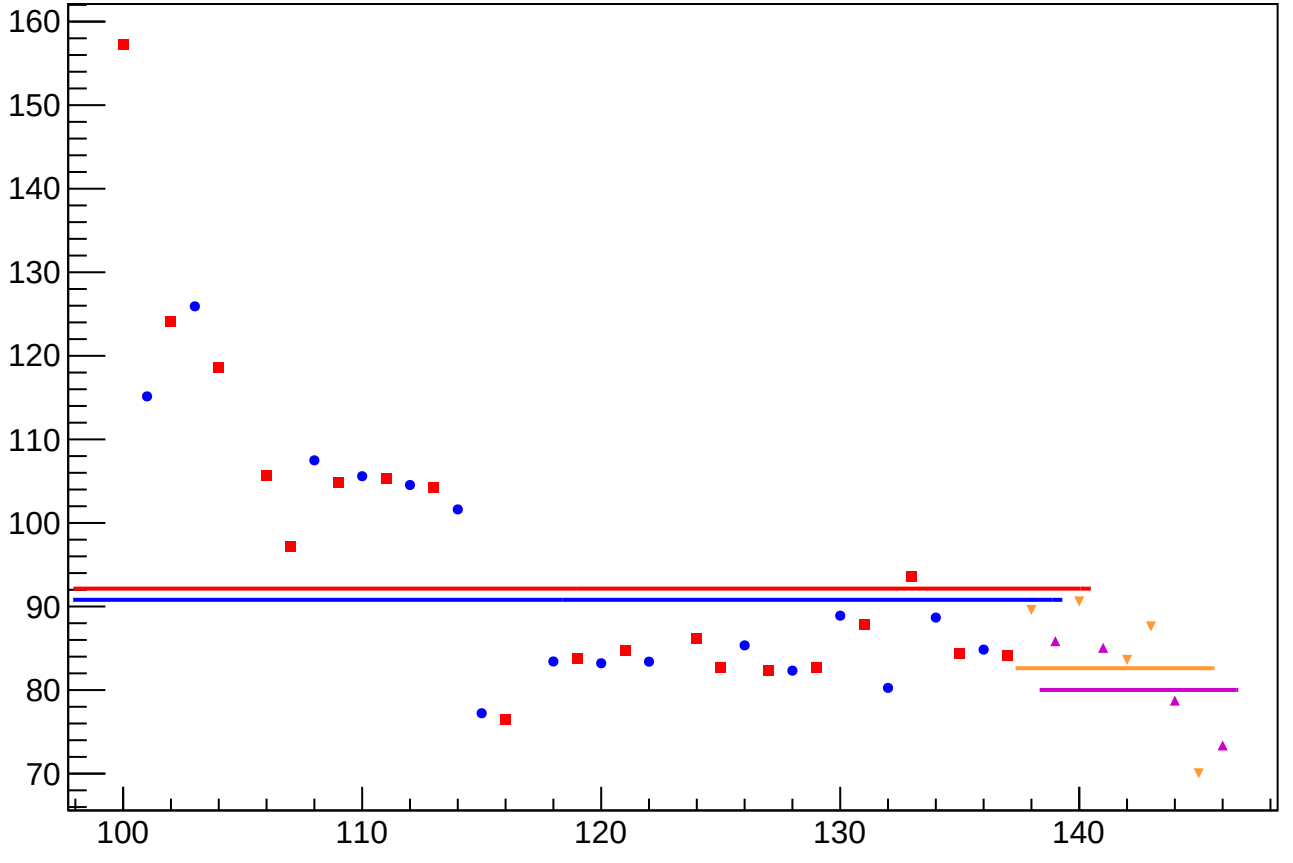
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 82.766+/-26.696 χ^2/NDF:28.8/19

Out: 111.206+/-26.846 χ^2/NDF:25.2/23

All: 96.906+/-18.930 χ^2/NDF: 54.5/43

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: 82.617+/-0.031 χ^2/NDF:80156.9/4

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

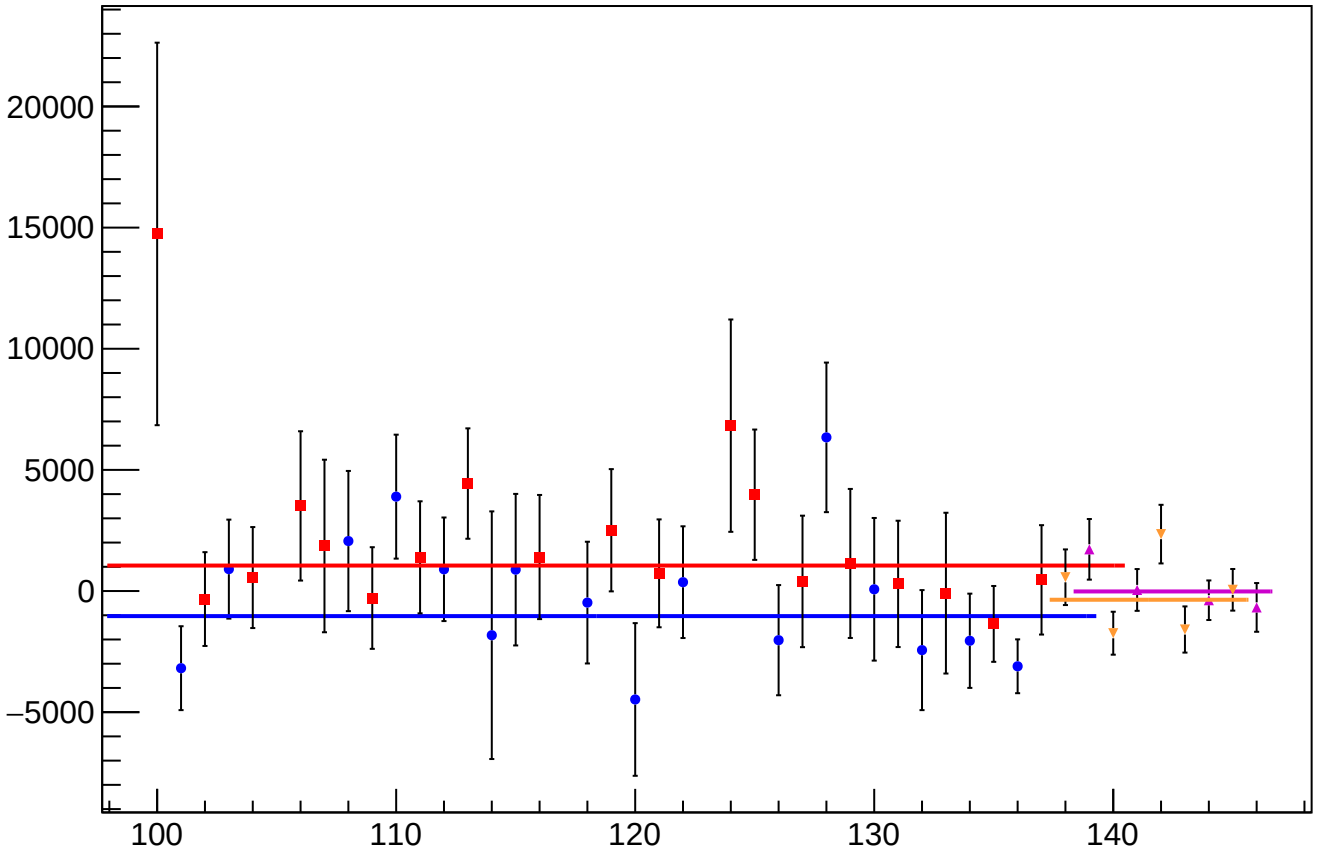
Left: 81.300+/-0.022 χ^2/NDF: 112917.9/8

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 86.599+/-0.019 χ^2/NDF:379513.4/19

Out: 88.481+/-0.019 χ^2/NDF:441755.9/23

All: 87.535+/-0.013 χ^2/NDF: 826209.3/43



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -359.914+/-439.768 χ^2/NDF:10.0/4

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: -17.307+/-472.912 χ^2/NDF:2.6/3

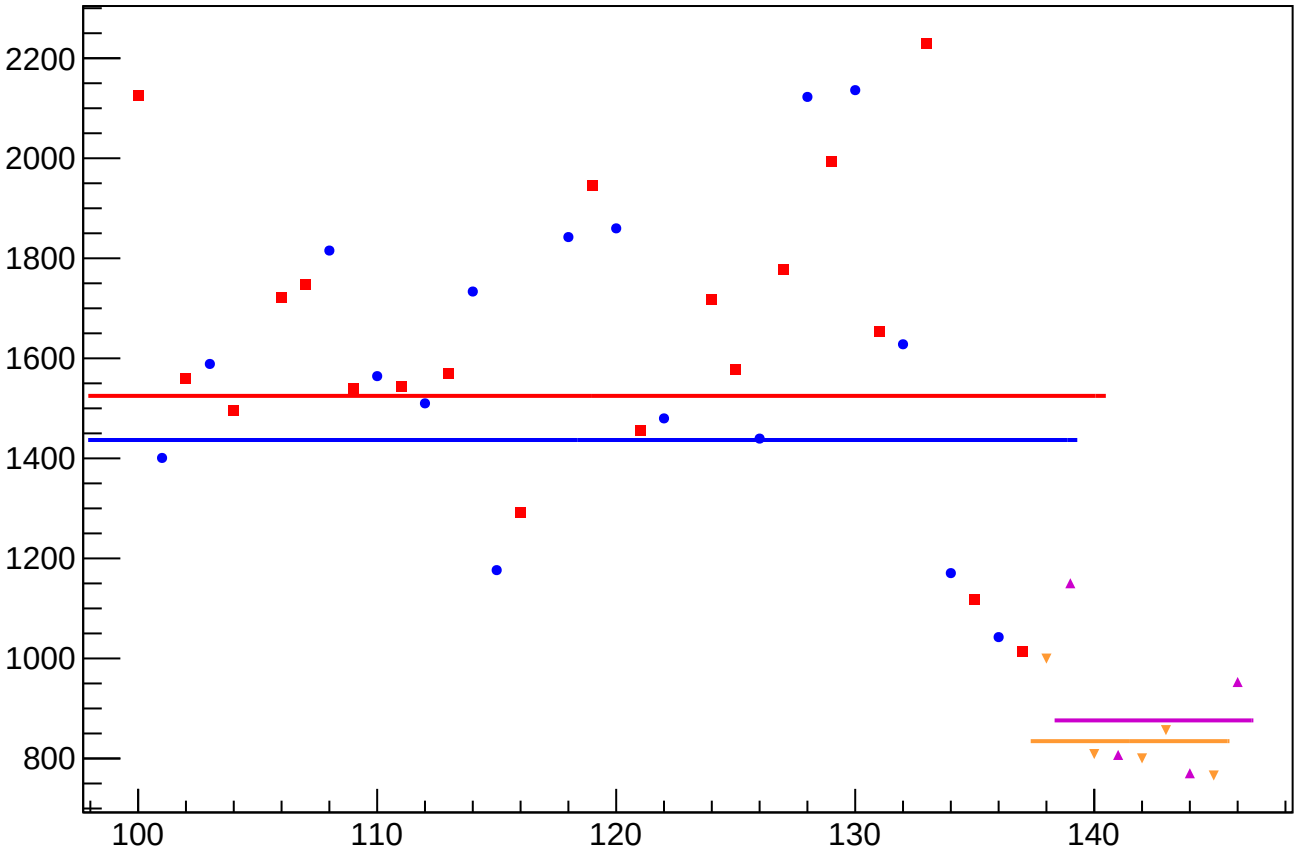
Left: -201.036+/-322.043 χ^2/NDF: 12.8/8

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -449.719+/-358.641 χ^2/NDF:24.8/19

Out: 167.981+/-347.942 χ^2/NDF:26.7/23

All: -131.518+/-249.729 χ^2/NDF: 53.0/43



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 834.655+/-0.311 χ^2/NDF:58473.8/4

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 876.129+/-0.334 χ^2/NDF:154040.6/3

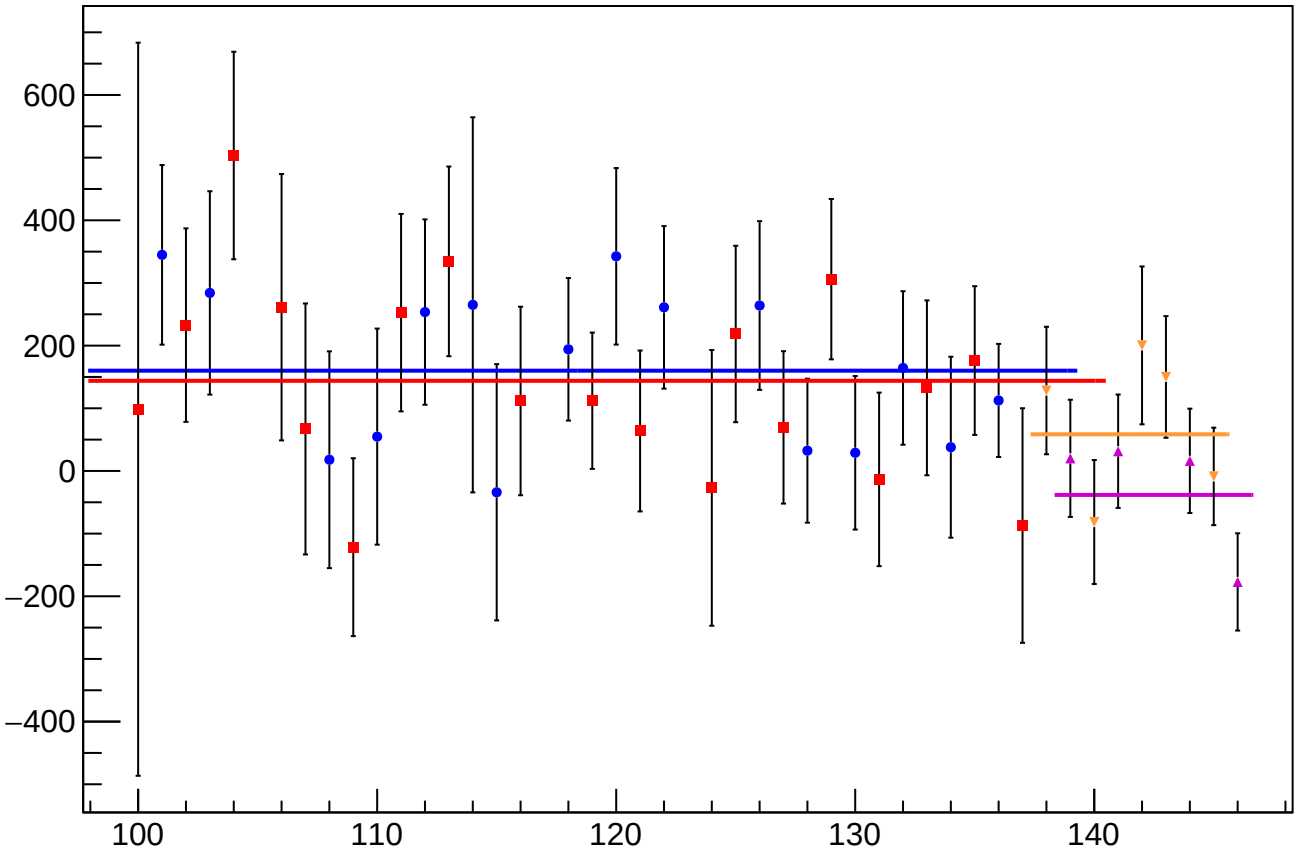
Left: 853.888+/-0.228 χ^2/NDF: 220763.3/8

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1114.319+/-0.254 χ^2/NDF:2023840.2/19

Out: 1092.837+/-0.246 χ^2/NDF:2406126.7/23

All: 1103.253+/-0.177 χ^2/NDF: 4433663.5/43



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 58.482+/-43.306 χ^2/NDF:5.4/4

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -38.270+/-42.770 χ^2/NDF:4.6/3

Left: 9.503+/-30.431 χ^2/NDF: 12.5/8

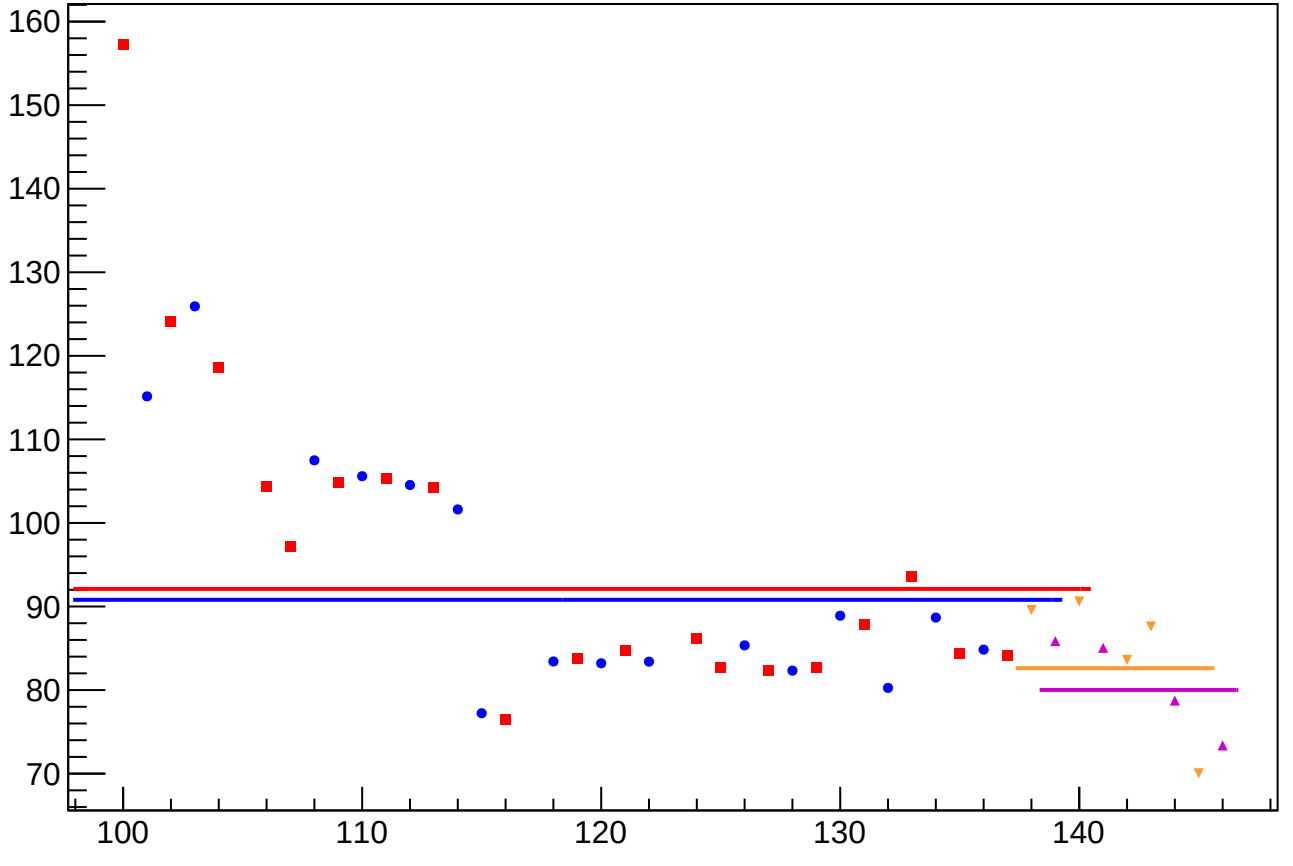
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 82.765+/-26.696 χ^2/NDF:28.8/19

Out: 111.048+/-26.847 χ^2/NDF:25.1/23

All: 96.827+/-18.930 χ^2/NDF: 54.5/43

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: 82.617+/-0.031 χ^2/NDF:80156.9/4

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

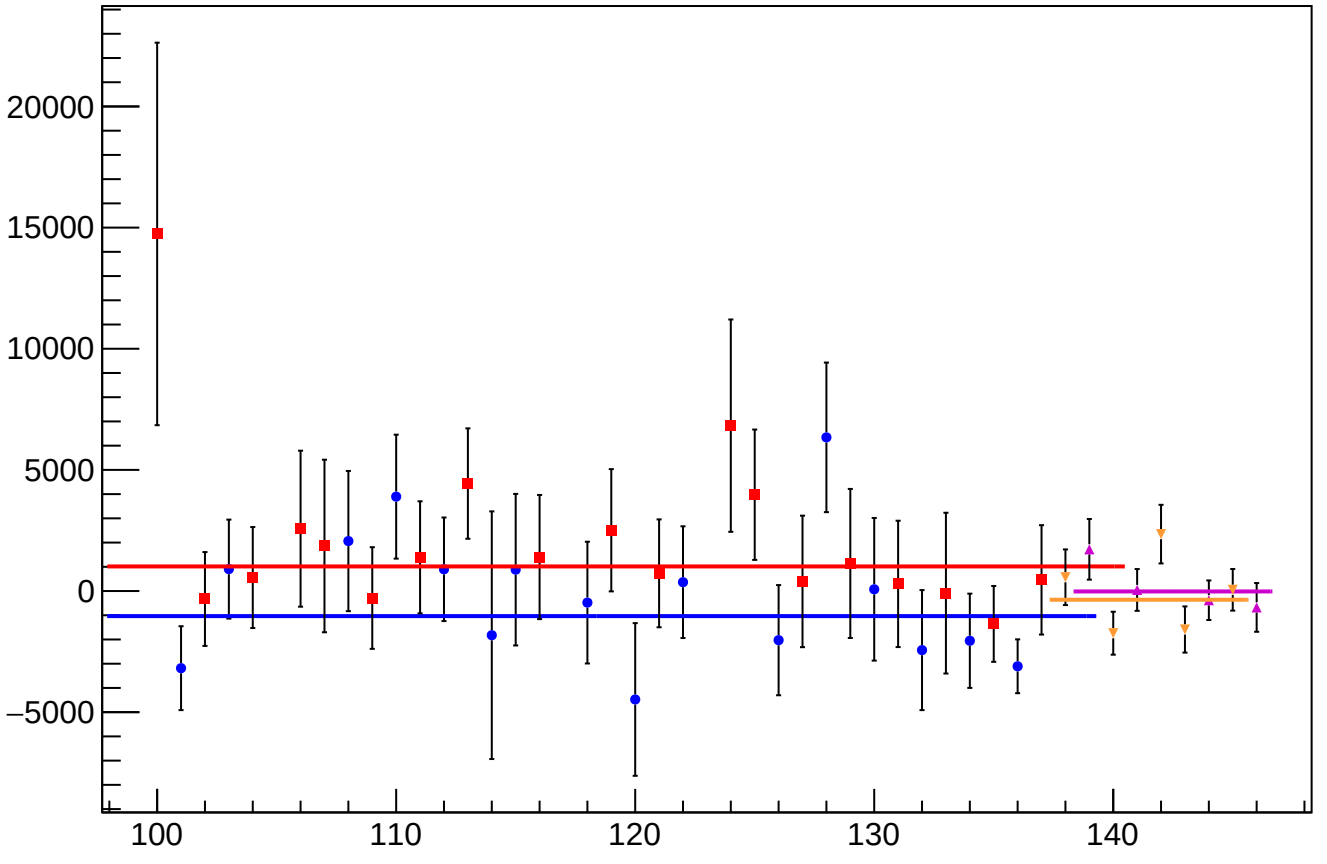
Left: 81.300+/-0.022 χ^2/NDF: 112917.9/8

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.599+/-0.019 χ^2/NDF:379515.3/19

Out: 88.460+/-0.019 χ^2/NDF:440075.7/23

All: 87.525+/-0.013 χ^2/NDF: 824422.9/43



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -359.905+/-439.768 χ^2/NDF:10.0/4

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -17.291+/-472.912 χ^2/NDF:2.6/3

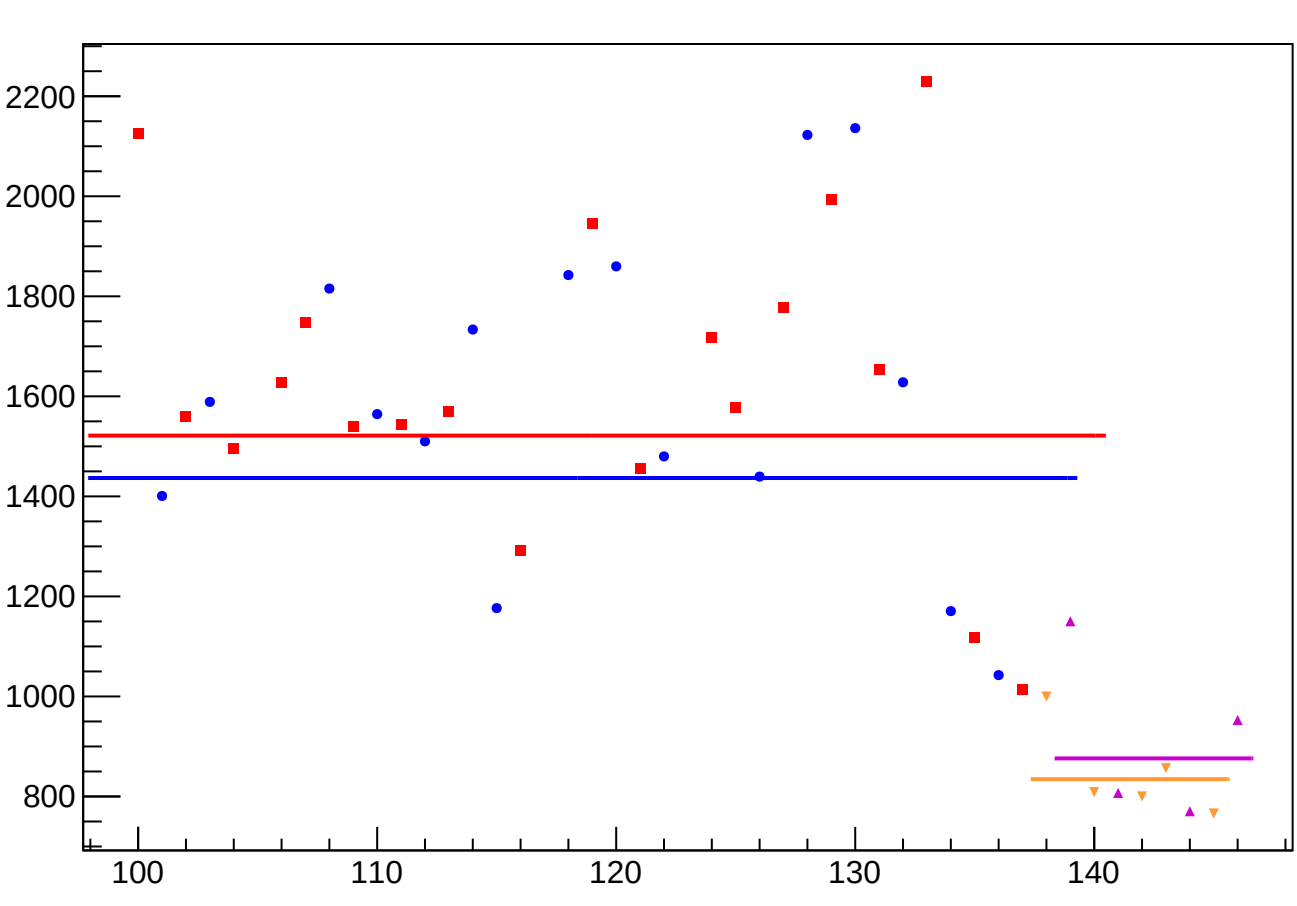
Left: -201.024+/-322.043 χ^2/NDF: 12.8/8

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -449.698+/-358.641 χ^2/NDF:24.8/19

Out: 153.525+/-348.133 χ^2/NDF:26.1/23

All: -139.120+/-249.799 χ^2/NDF: 52.3/43



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 834.654+/-0.311 χ^2/NDF:58474.1/4

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 876.128+/-0.334 χ^2/NDF:154040.5/3

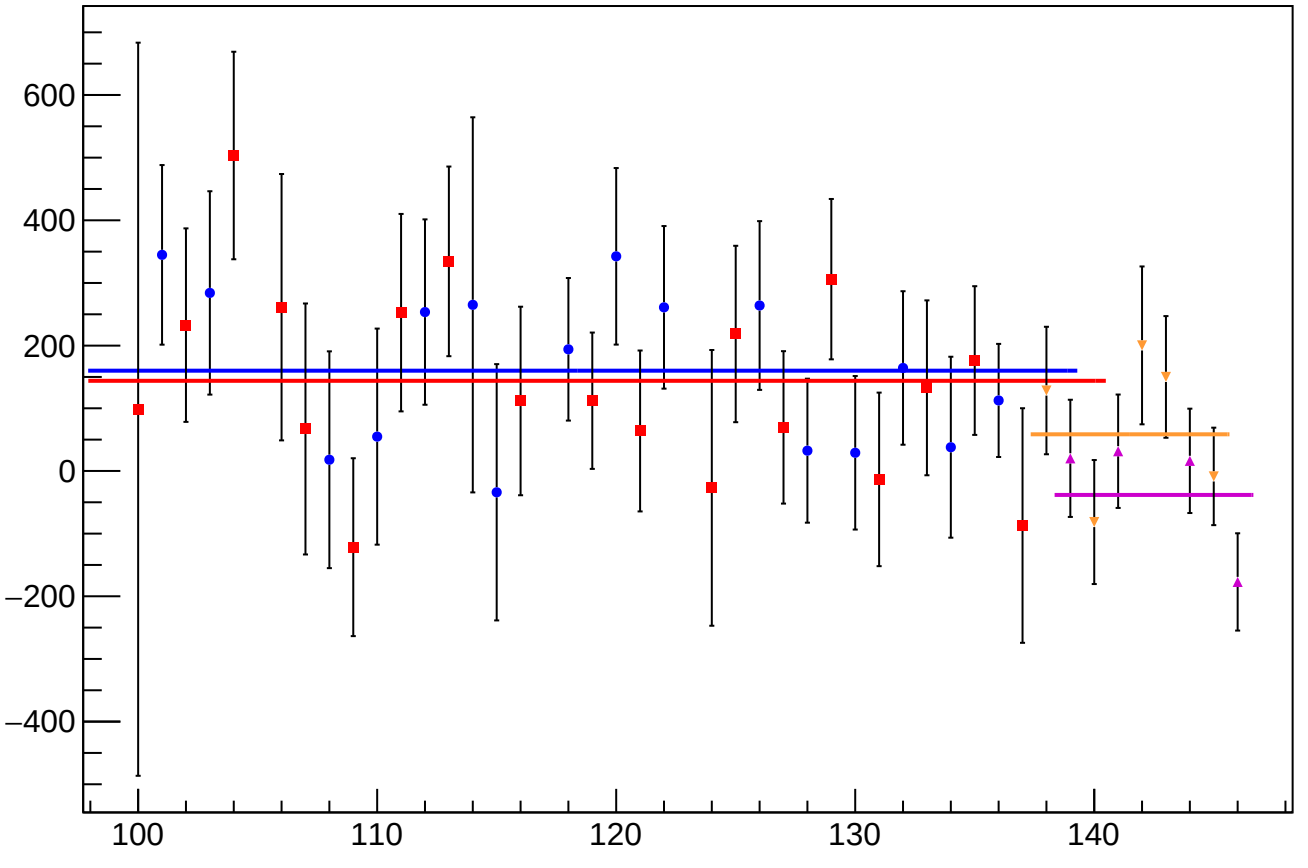
Left: 853.887+/-0.228 χ^2/NDF: 220763.7/8

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1114.320+/-0.254 χ^2/NDF:2023860.1/19

Out: 1091.069+/-0.246 χ^2/NDF:2378142.6/23

All: 1102.349+/-0.177 χ^2/NDF: 4406330.5/43



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 58.482+/-43.306 χ^2/NDF:5.4/4

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -38.270+/-42.770 χ^2/NDF:4.6/3

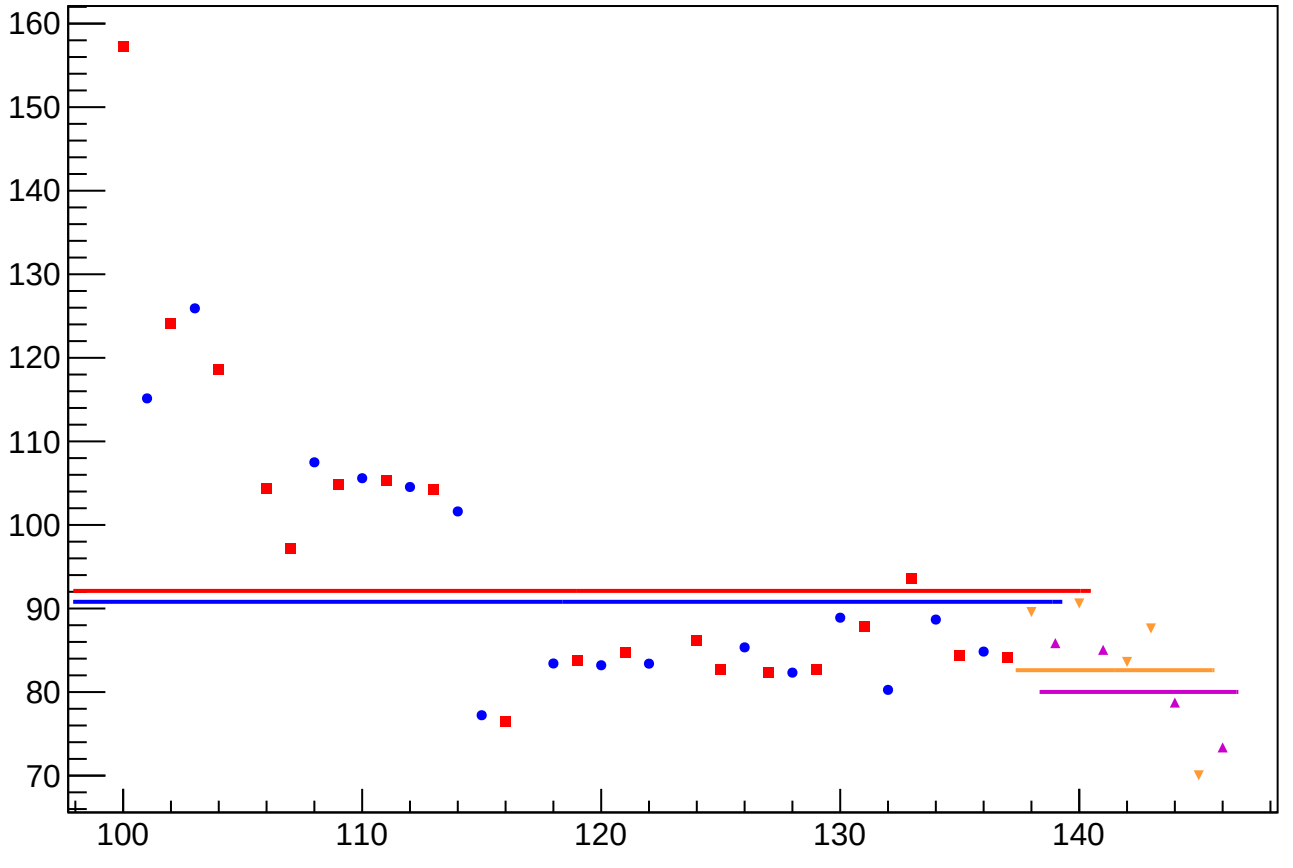
Left: 9.503+/-30.431 χ^2/NDF: 12.5/8

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 82.765+/-26.696 χ^2/NDF:28.8/19

Out: 111.048+/-26.847 χ^2/NDF:25.1/23

All: 96.827+/-18.930 χ^2/NDF: 54.5/43



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 82.617+/-0.031 χ^2/NDF:80156.9/4

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

Left: 81.300+/-0.022 χ^2/NDF: 112917.9/8

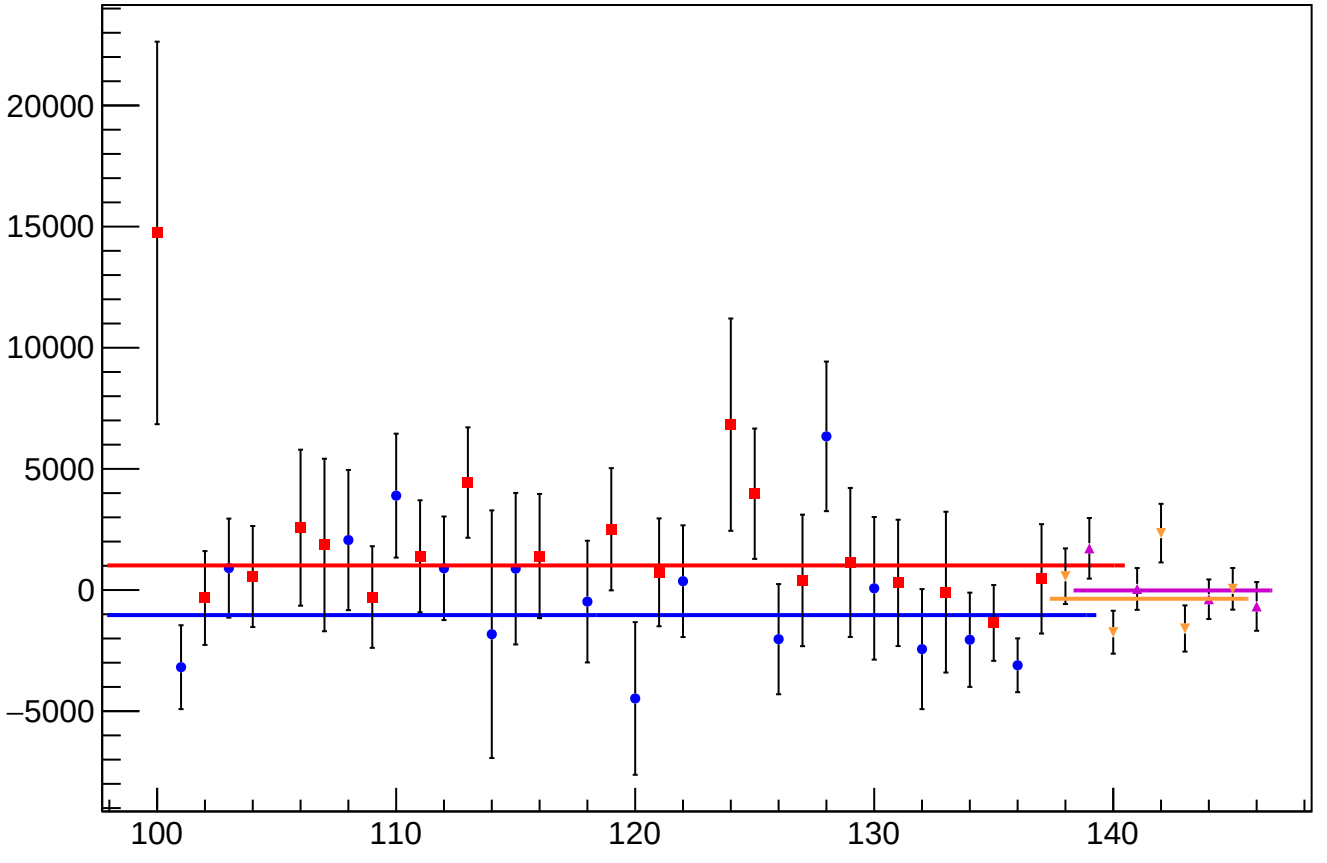
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.599+/-0.019 χ^2/NDF:379515.3/19

Out: 88.460+/-0.019 χ^2/NDF:440075.7/23

All: 87.525+/-0.013 χ^2/NDF: 824422.9/43

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: -359.905+/-439.768 χ^2/NDF:10.0/4

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -17.291+/-472.912 χ^2/NDF:2.6/3

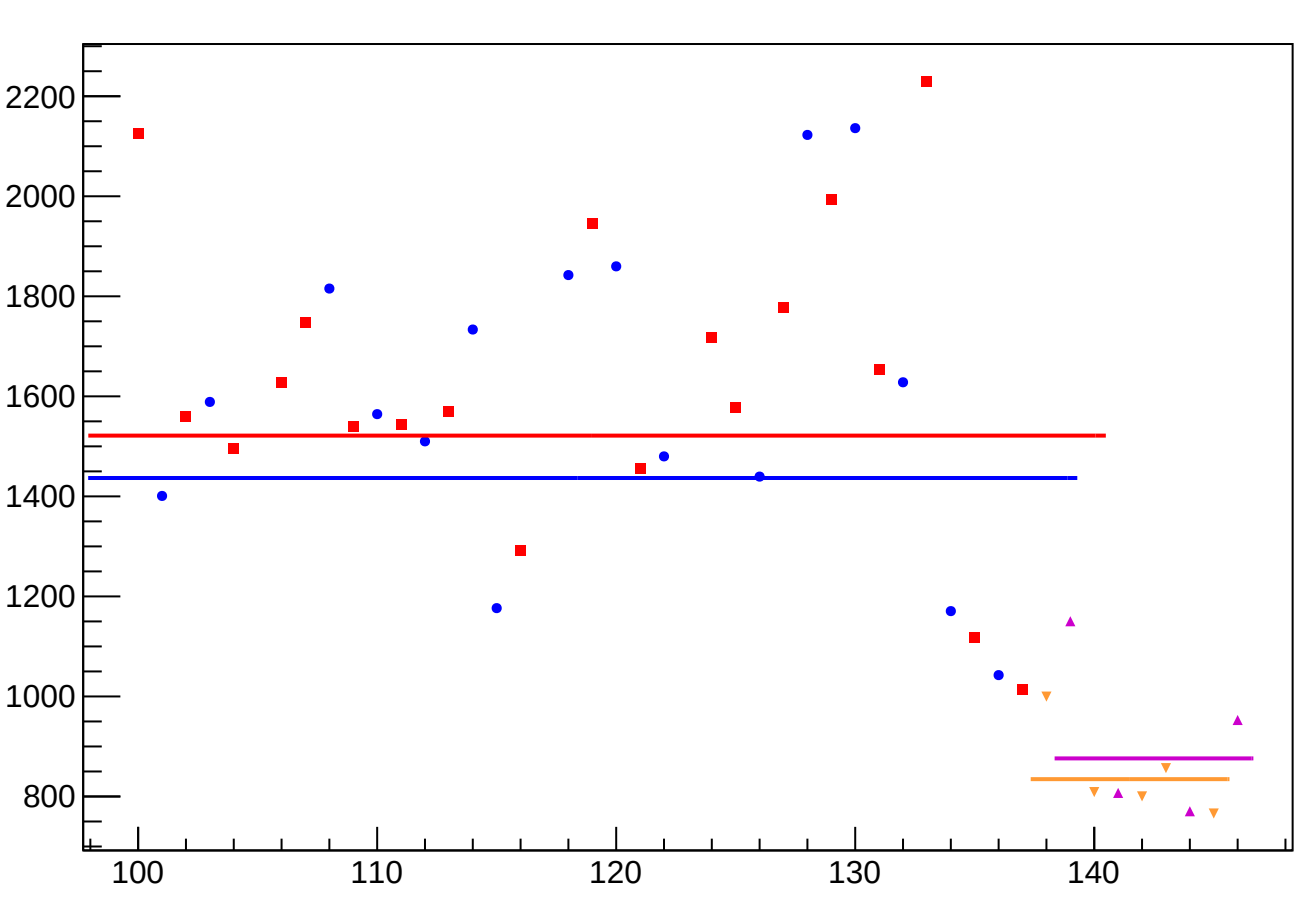
Left: -201.024+/-322.043 χ^2/NDF: 12.8/8

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -449.698+/-358.641 χ^2/NDF:24.8/19

Out: 153.525+/-348.133 χ^2/NDF:26.1/23

All: -139.120+/-249.799 χ^2/NDF: 52.3/43



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 834.654+/-0.311 χ^2/NDF:58474.1/4

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 876.128+/-0.334 χ^2/NDF:154040.5/3

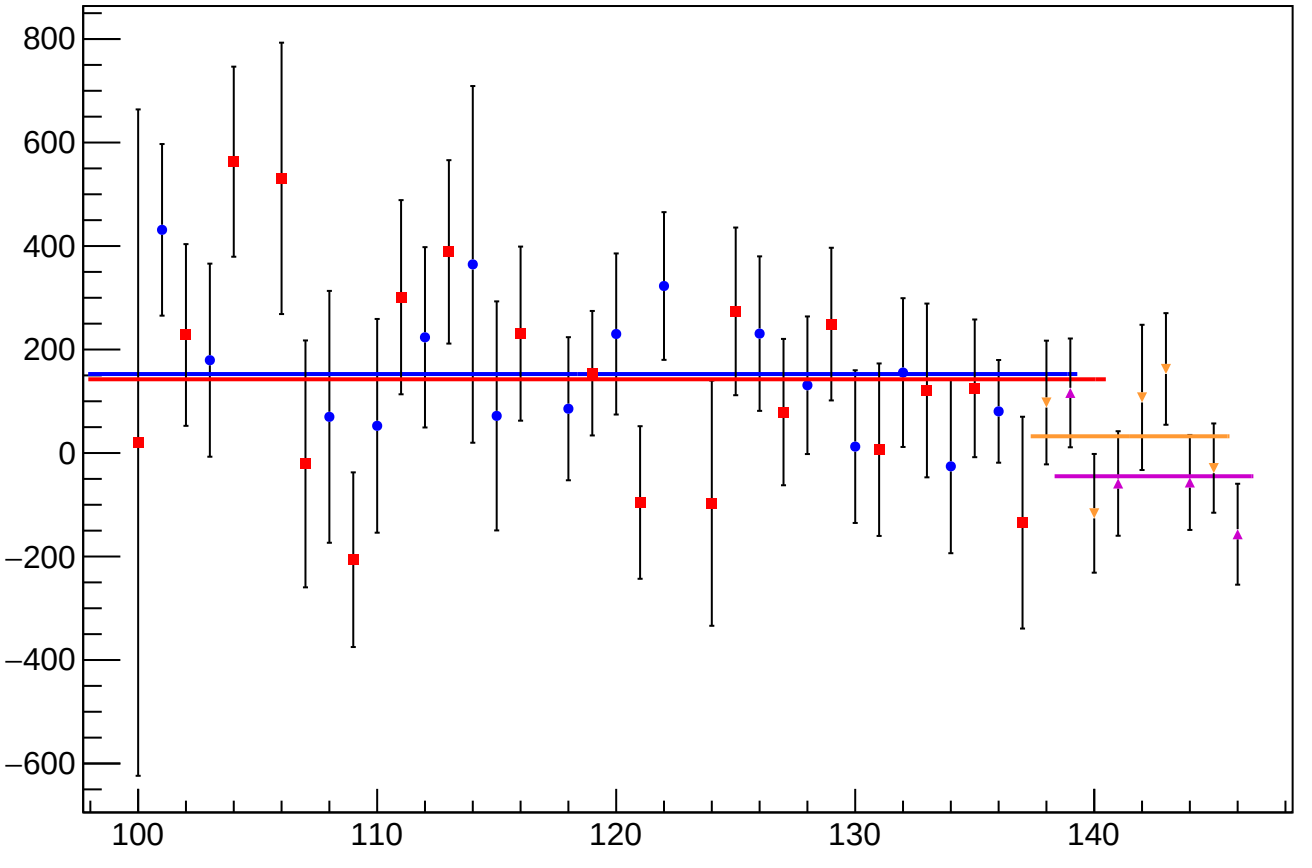
Left: 853.887+/-0.228 χ^2/NDF: 220763.7/8

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1114.320+/-0.254 χ^2/NDF:2023860.1/19

Out: 1091.069+/-0.246 χ^2/NDF:2378142.6/23

All: 1102.349+/-0.177 χ^2/NDF: 4406330.5/43



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 32.342+/-48.964 χ^2/NDF:4.2/4

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -44.883+/-49.245 χ^2/NDF:3.7/3

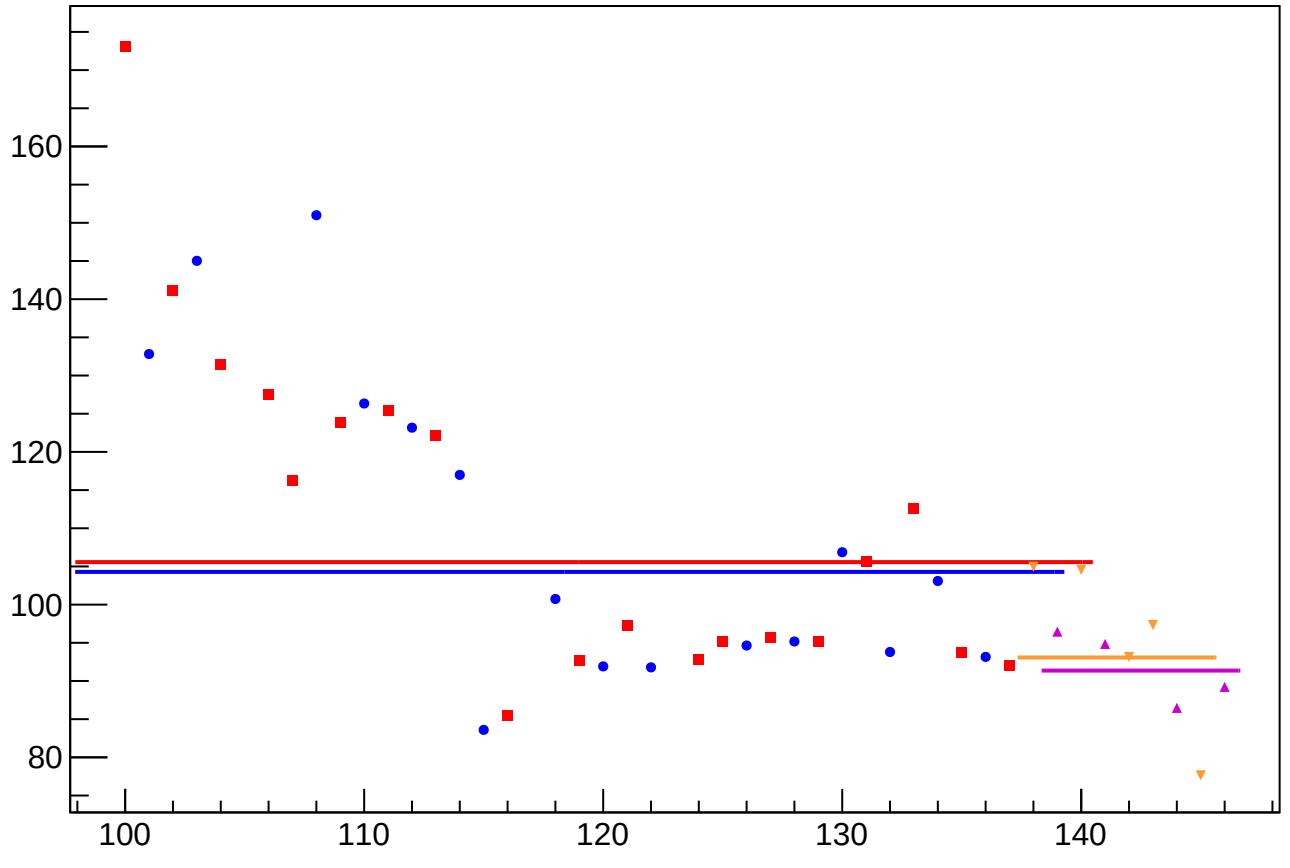
Left: -6.050+/-34.721 χ^2/NDF: 9.2/8

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 75.428+/-30.787 χ^2/NDF:22.1/19

Out: 99.283+/-30.668 χ^2/NDF:30.2/23

All: 87.402+/-21.727 χ^2/NDF: 52.7/43



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 93.076+/-0.035 χ^2/NDF:106941.6/4

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 91.362+/-0.035 χ^2/NDF:13721.4/3

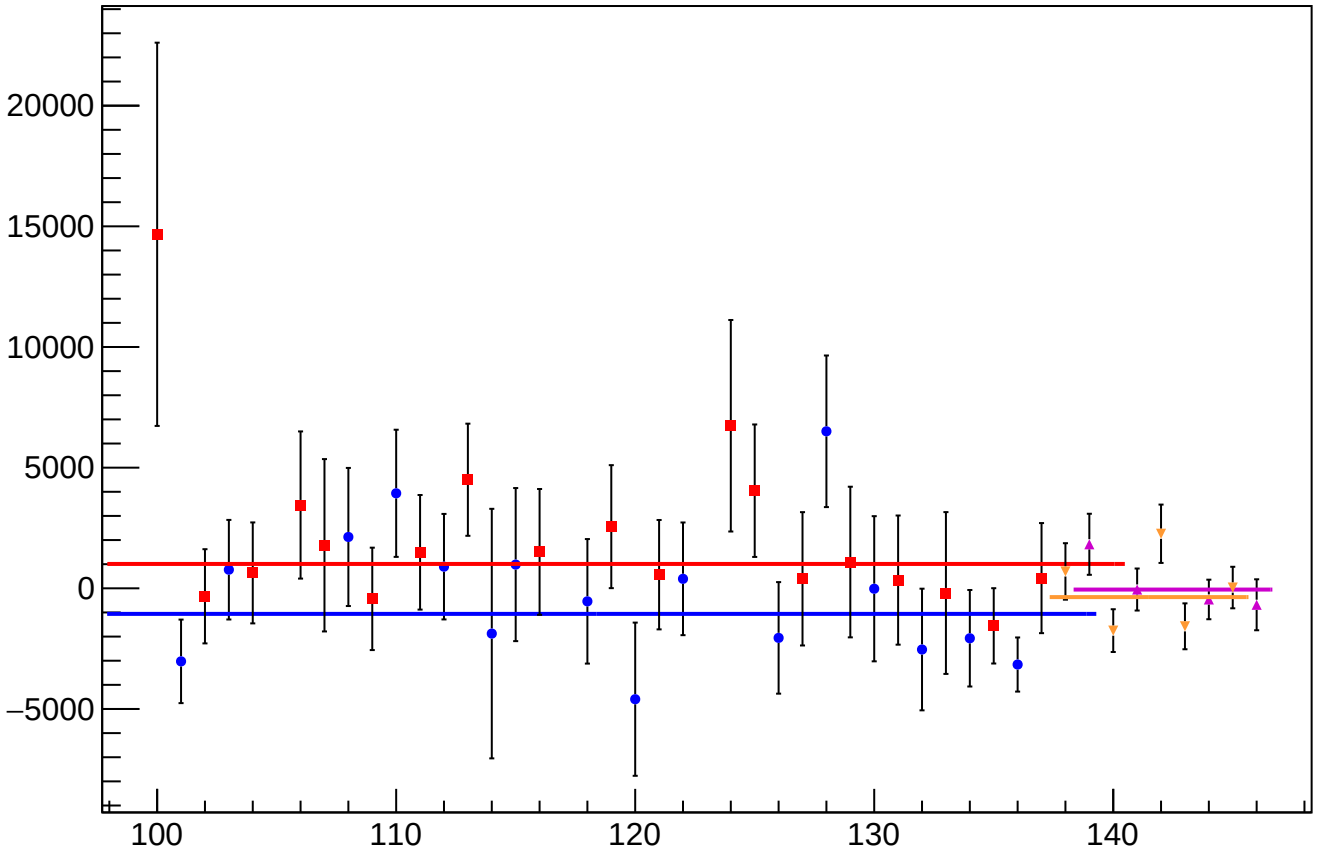
Left: 92.224+/-0.025 χ^2/NDF: 121881.1/8

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 99.235+/-0.022 χ^2/NDF:475941.6/19

Out: 100.668+/-0.022 χ^2/NDF:530656.9/23

All: 99.954+/-0.015 χ^2/NDF: 1008772.7/43



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -364.013+/-440.838 χ^2/NDF:9.8/4

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: -51.820+/-480.606 χ^2/NDF:2.8/3

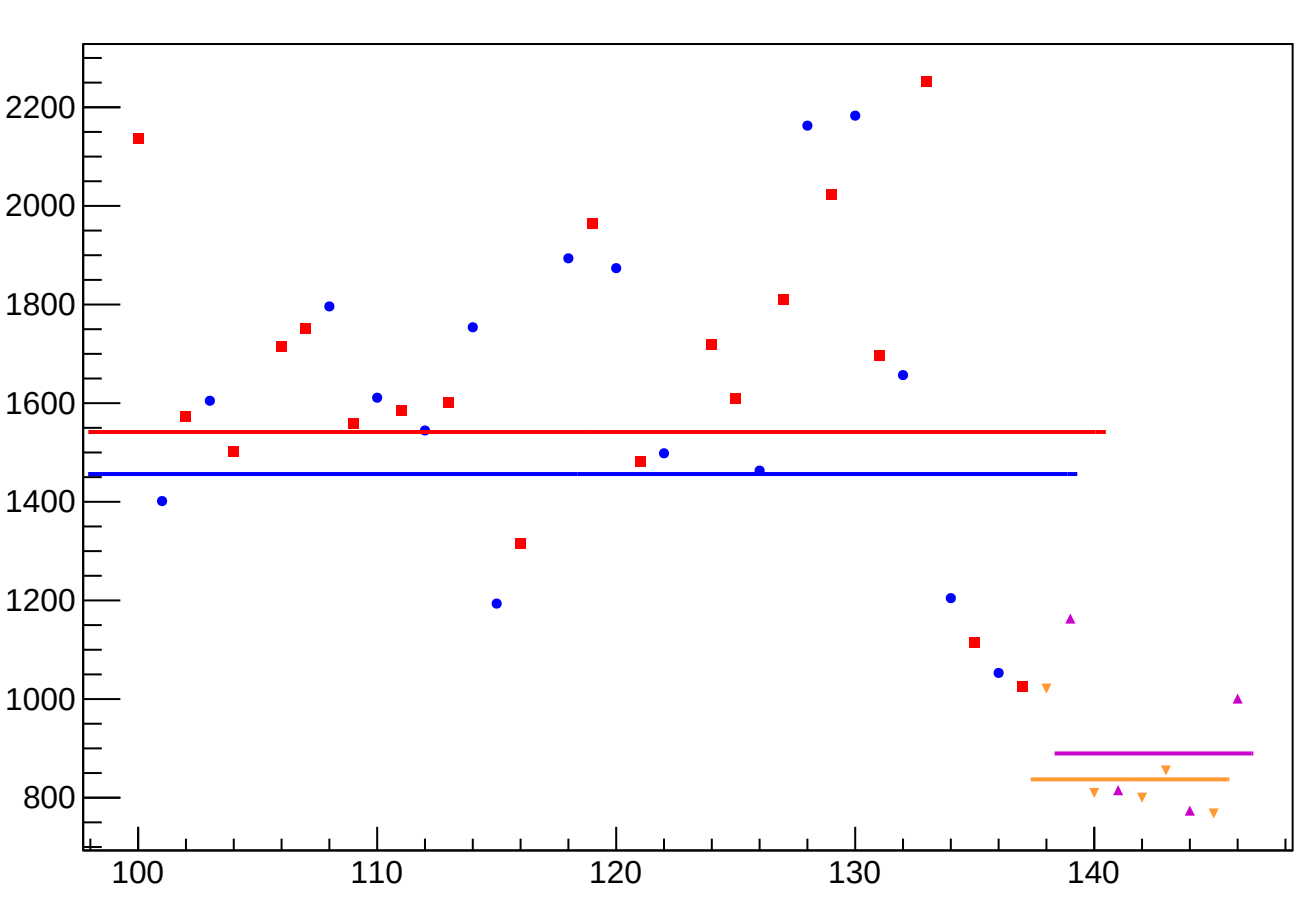
Left: -221.365+/-324.870 χ^2/NDF: 12.9/8

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -481.238+/-364.055 χ^2/NDF:24.7/19

Out: 144.492+/-349.873 χ^2/NDF:26.7/23

All: -155.948+/-252.262 χ^2/NDF: 53.0/43



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 837.208+/-0.312 χ^2/NDF:66949.2/4

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 889.709+/-0.340 χ^2/NDF:170371.8/3

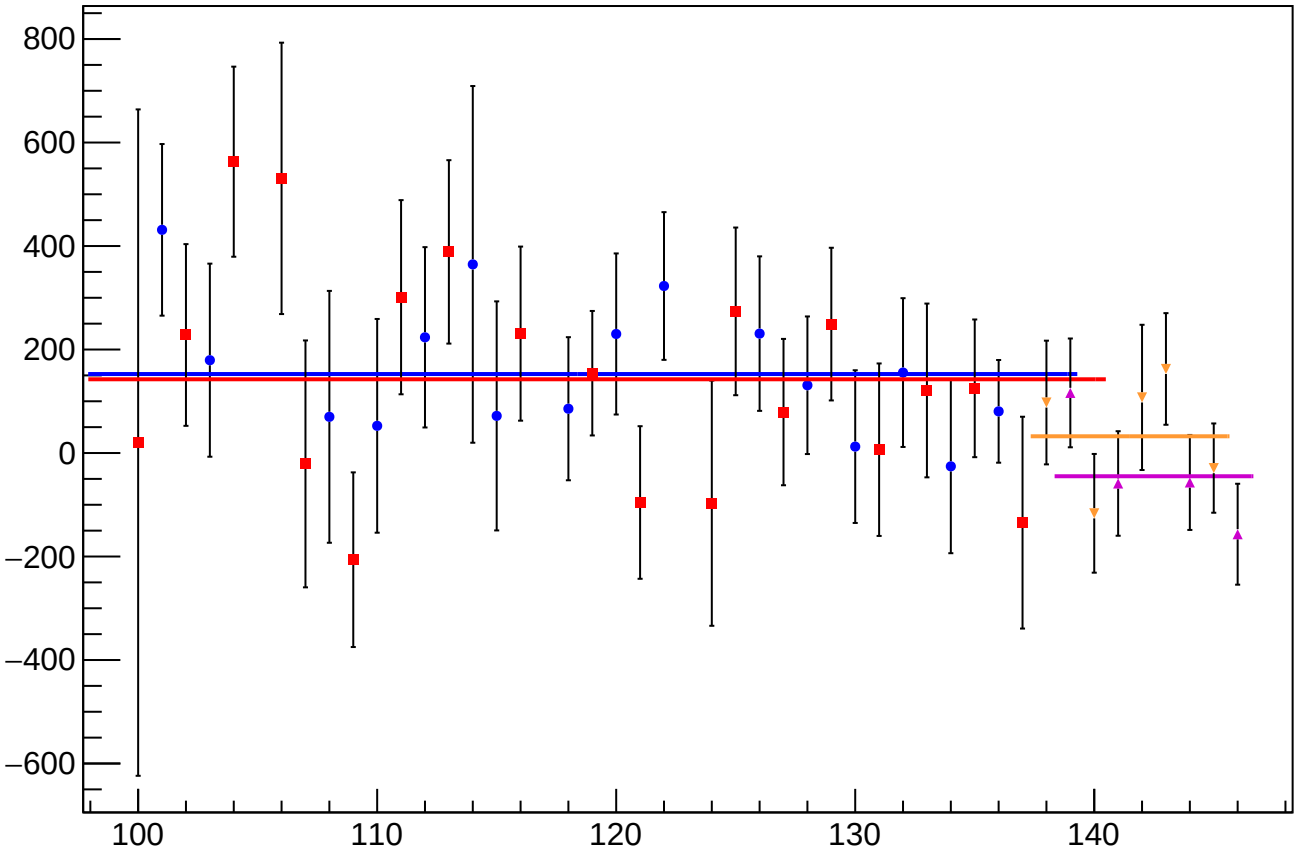
Left: 861.197+/-0.230 χ^2/NDF: 250282.1/8

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1131.195+/-0.257 χ^2/NDF:2039896.4/19

Out: 1097.884+/-0.247 χ^2/NDF:2475752.4/23

All: 1113.878+/-0.178 χ^2/NDF: 4524353.5/43



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 32.338+/-48.964 χ^2/NDF:4.2/4

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -44.883+/-49.244 χ^2/NDF:3.7/3

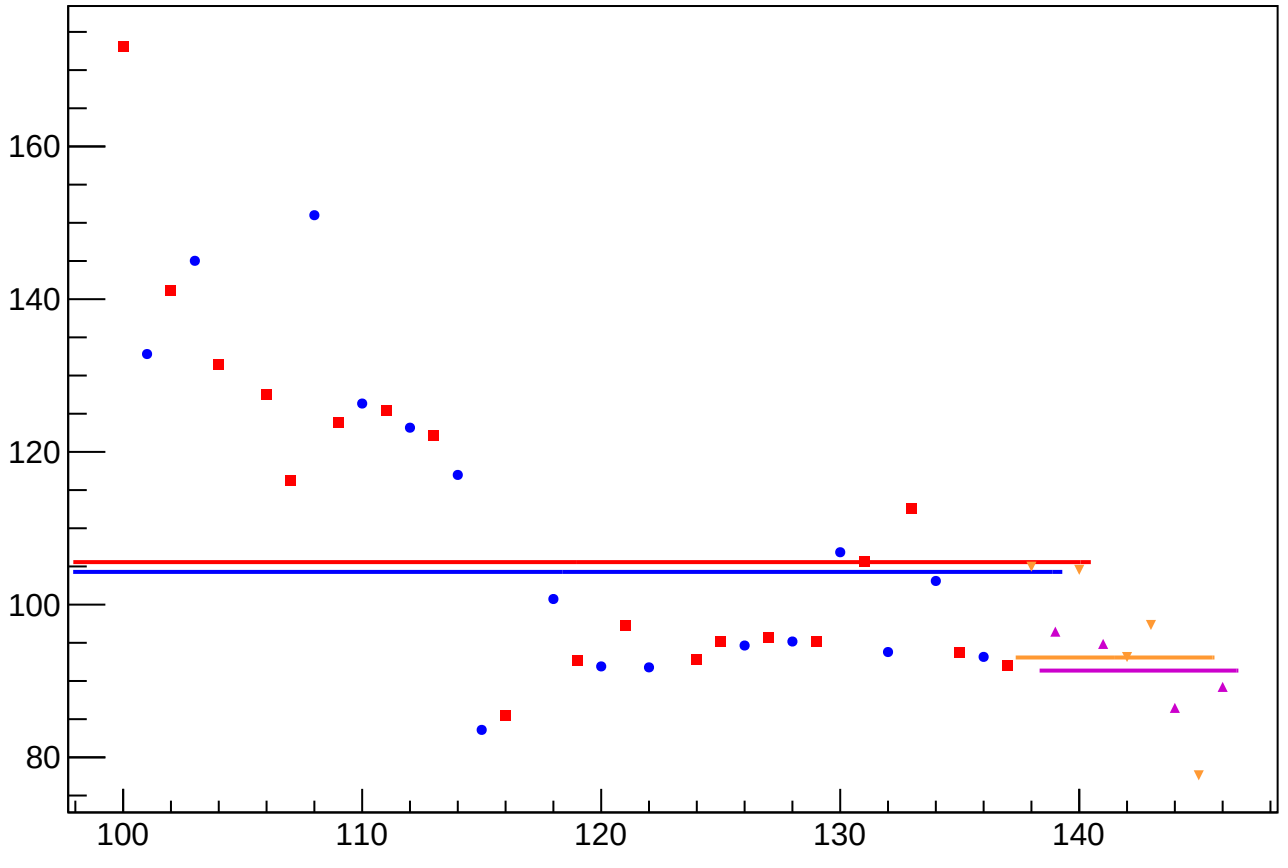
Left: -6.051+/-34.721 χ^2/NDF: 9.2/8

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 75.431+/-30.787 χ^2/NDF:22.1/19

Out: 99.280+/-30.668 χ^2/NDF:30.2/23

All: 87.402+/-21.727 χ^2/NDF: 52.7/43



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 93.076+/-0.035 χ^2/NDF:106940.9/4

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.362+/-0.035 χ^2/NDF:13720.9/3

Left: 92.224+/-0.025 χ^2/NDF: 121880.0/8

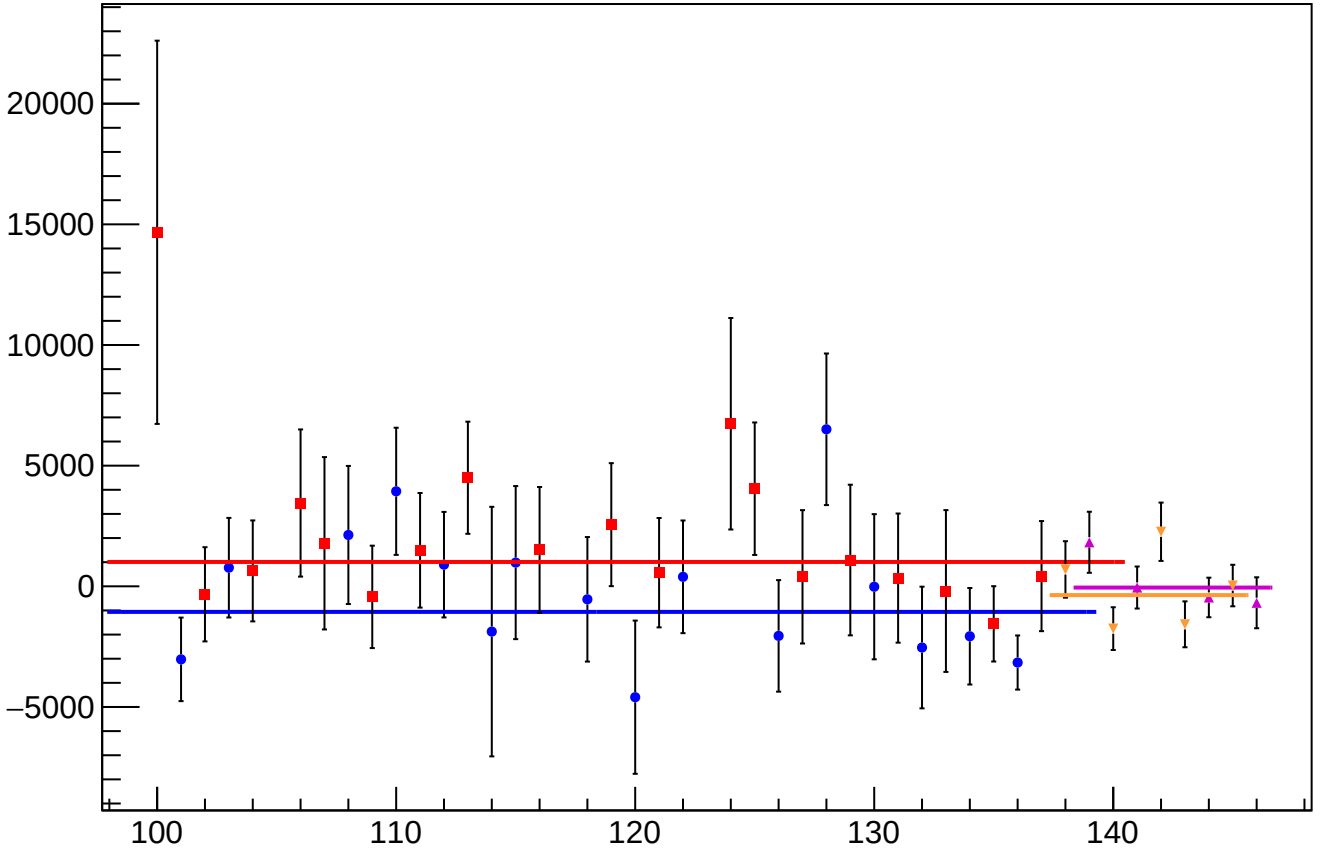
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 99.234+/-0.022 χ^2/NDF:475932.9/19

Out: 100.667+/-0.022 χ^2/NDF:530647.4/23

All: 99.953+/-0.015 χ^2/NDF: 1008755.0/43

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -364.016+/-440.837 χ^2/NDF:9.8/4

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -51.818+/-480.606 χ^2/NDF:2.8/3

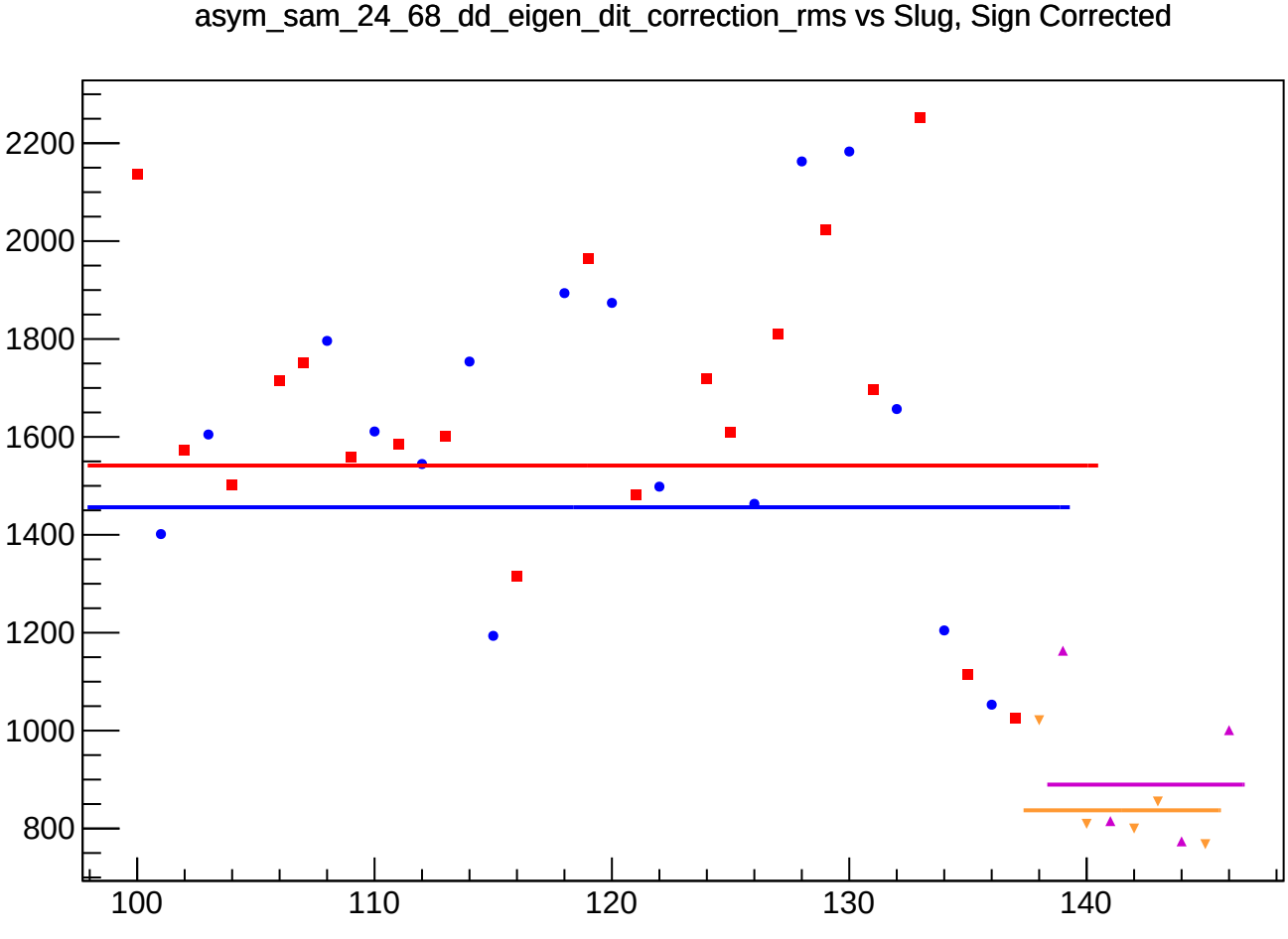
Left: -221.366+/-324.870 χ^2/NDF: 12.9/8

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -481.236+/-364.055 χ^2/NDF:24.7/19

Out: 144.490+/-349.872 χ^2/NDF:26.7/23

All: -155.947+/-252.262 χ^2/NDF: 53.0/43



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 837.207+/-0.312 χ^2/NDF:66948.7/4

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 889.708+/-0.340 χ^2/NDF:170371.1/3

Left: 861.196+/-0.230 χ^2/NDF: 250281.2/8

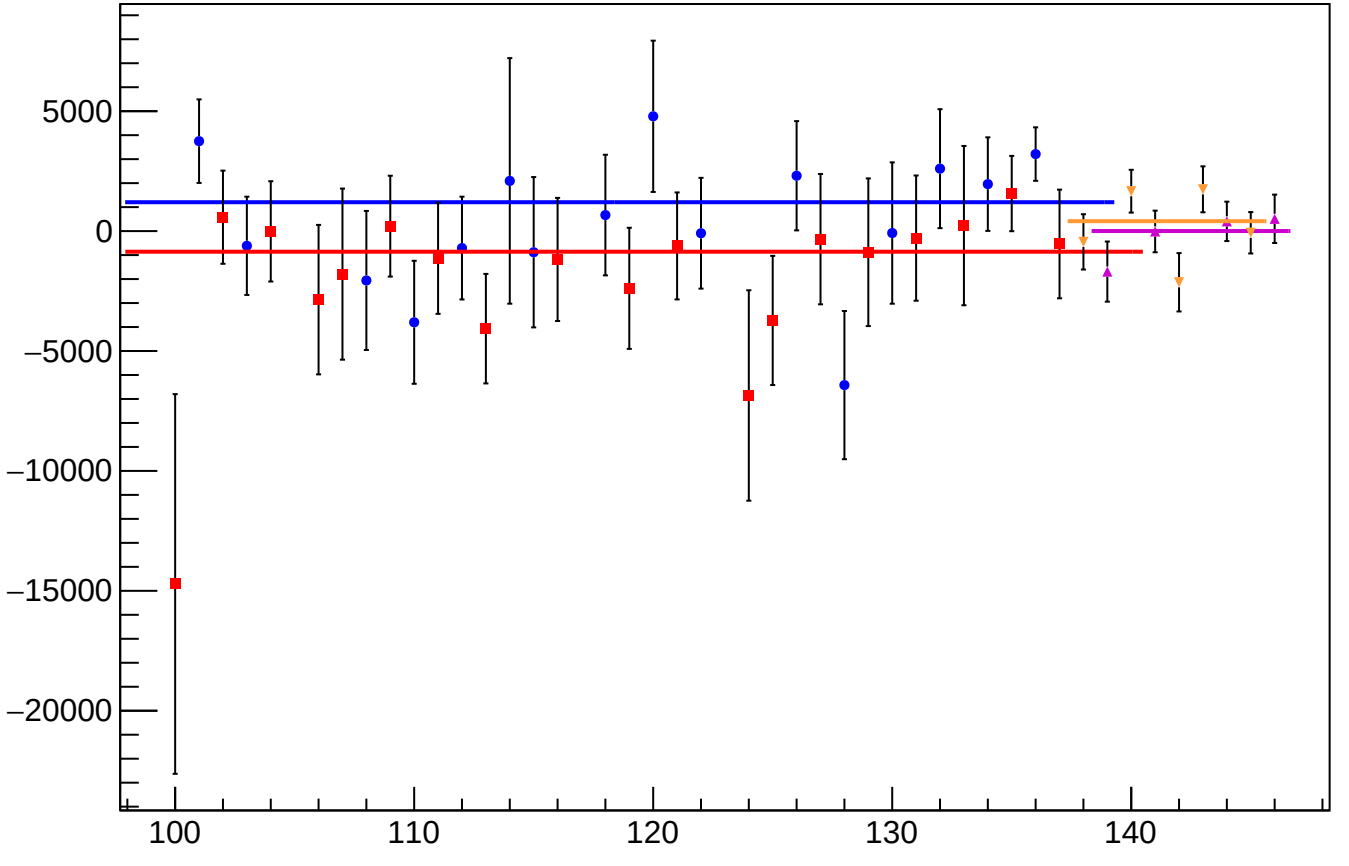
Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1131.193+/-0.257 χ^2/NDF:2039889.7/19

Out: 1097.882+/-0.247 χ^2/NDF:2475750.0/23

All: 1113.876+/-0.178 χ^2/NDF: 4524344.7/43

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 413.822+/-442.071 χ^2/NDF:9.1/4

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: 2.957+/-475.092 χ^2/NDF:2.3/3

Left: 223.162+/-323.636 χ^2/NDF: 11.9/8

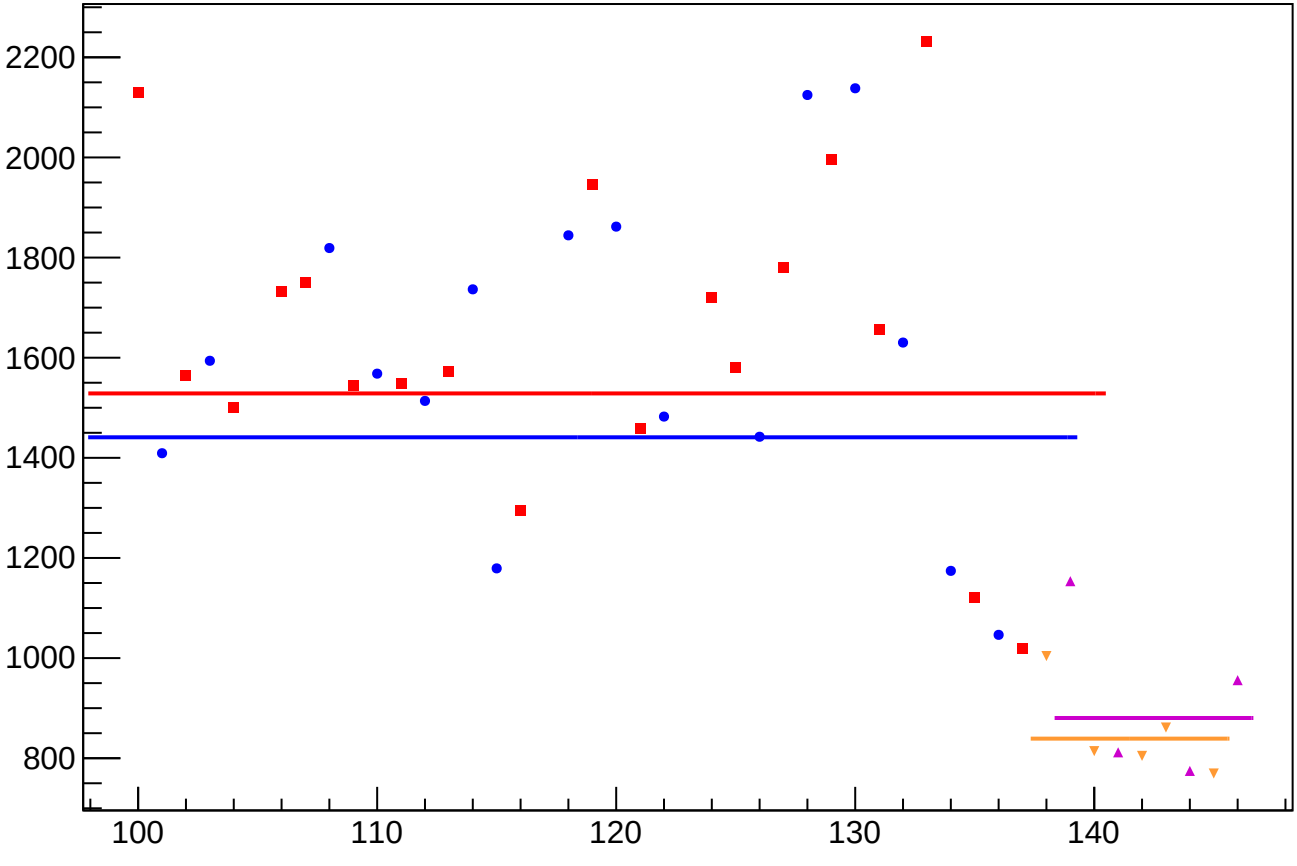
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 514.629+/-360.012 χ^2/NDF:26.2/19

Out: -63.930+/-349.415 χ^2/NDF:24.8/23

All: 216.709+/-250.736 χ^2/NDF: 52.3/43

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 839.143+/-0.313 χ^2/NDF:58182.7/4

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 880.357+/-0.336 χ^2/NDF:151750.8/3

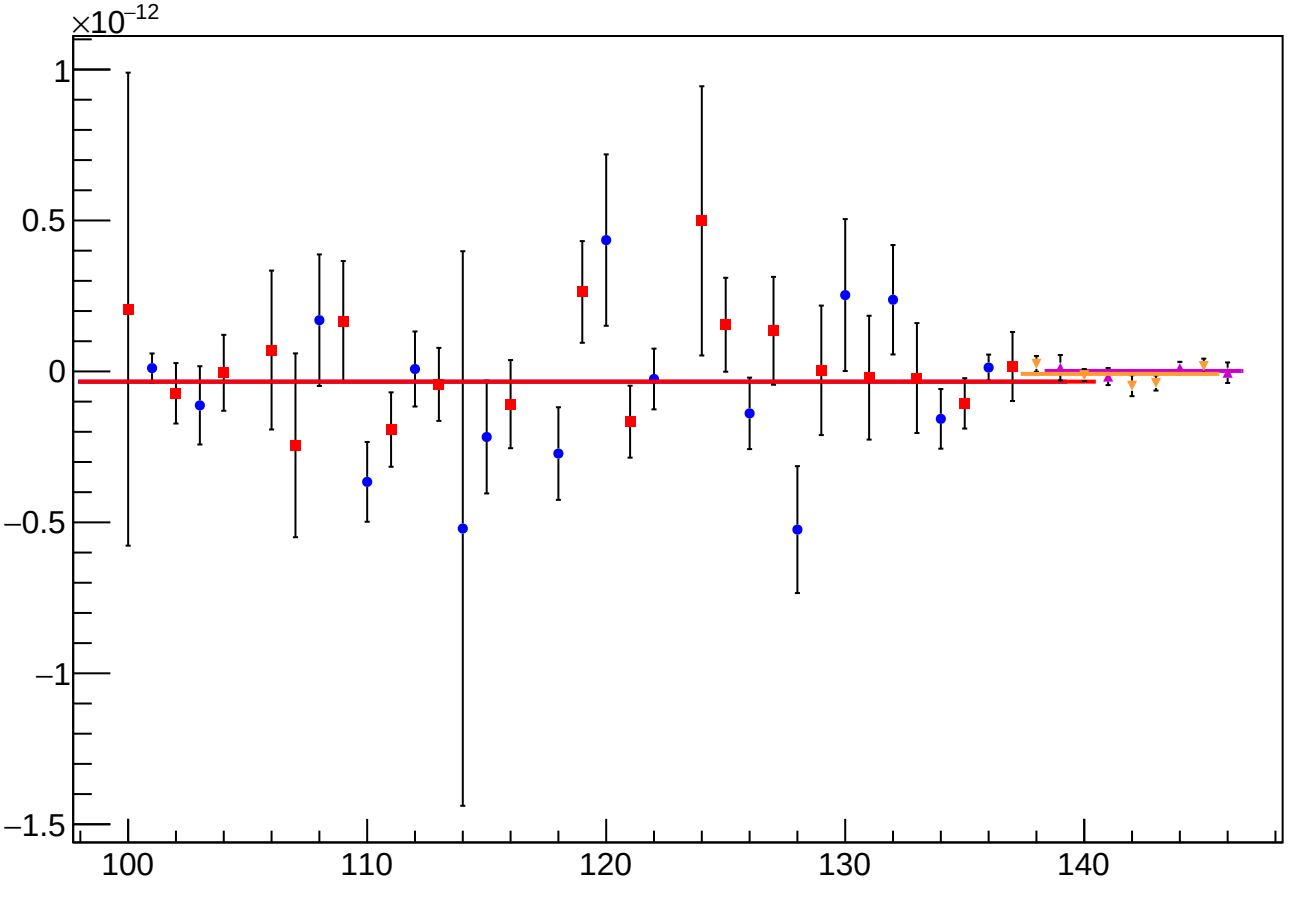
Left: 858.268+/-0.229 χ^2/NDF: 218000.2/8

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1119.077+/-0.255 χ^2/NDF:2008382.5/19

Out: 1097.890+/-0.247 χ^2/NDF:2385732.1/23

All: 1108.167+/-0.177 χ^2/NDF: 4397681.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

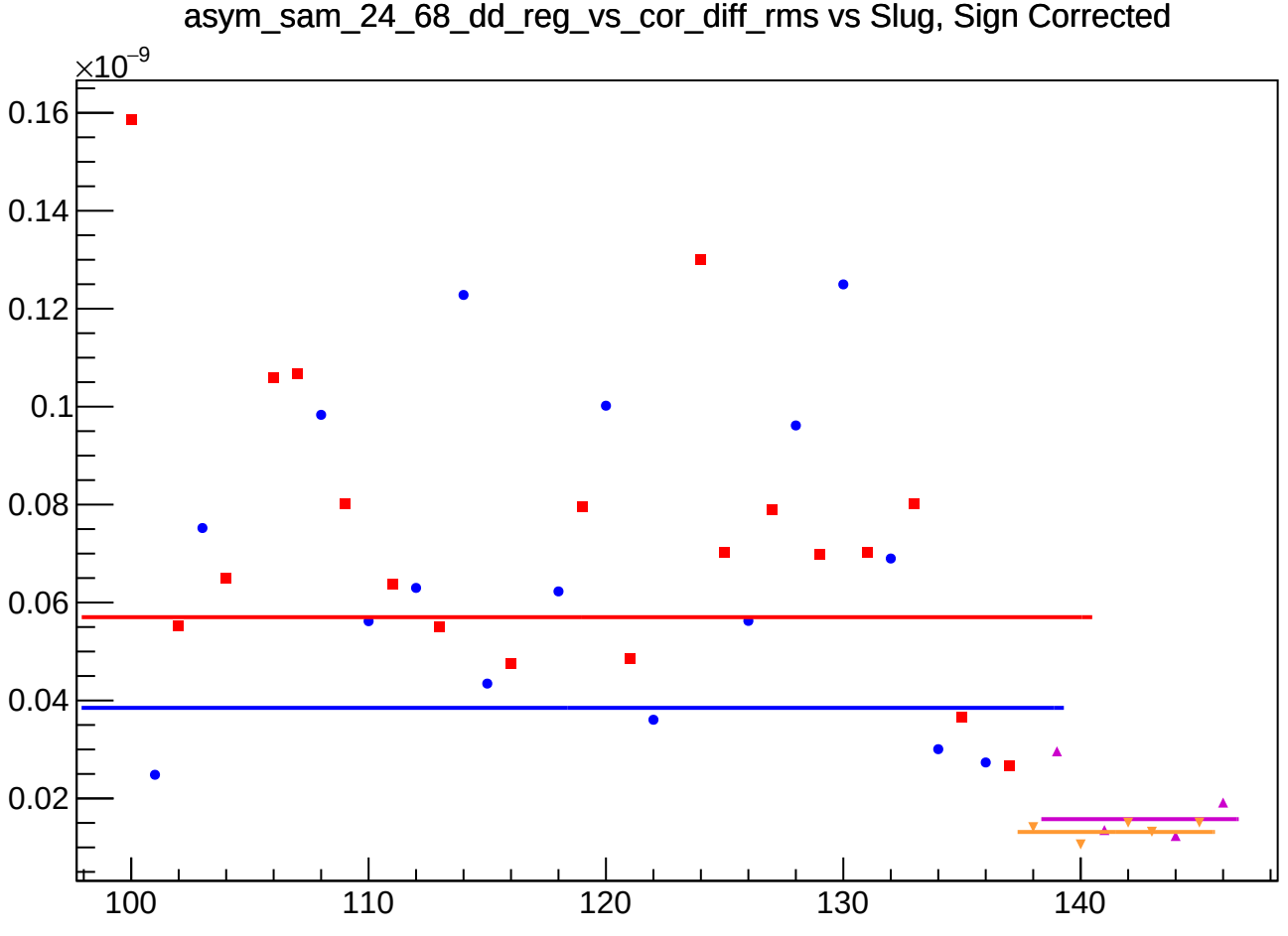
Left: -0.000+/-0.000 χ^2/NDF: 6.5/8

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:29.7/19

Out: -0.000+/-0.000 χ^2/NDF:19.0/23

All: -0.000+/-0.000 χ^2/NDF: 48.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:52817.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:304455.7/3

Left: 0.000+/-0.000 χ^2/NDF: 399484.5/8

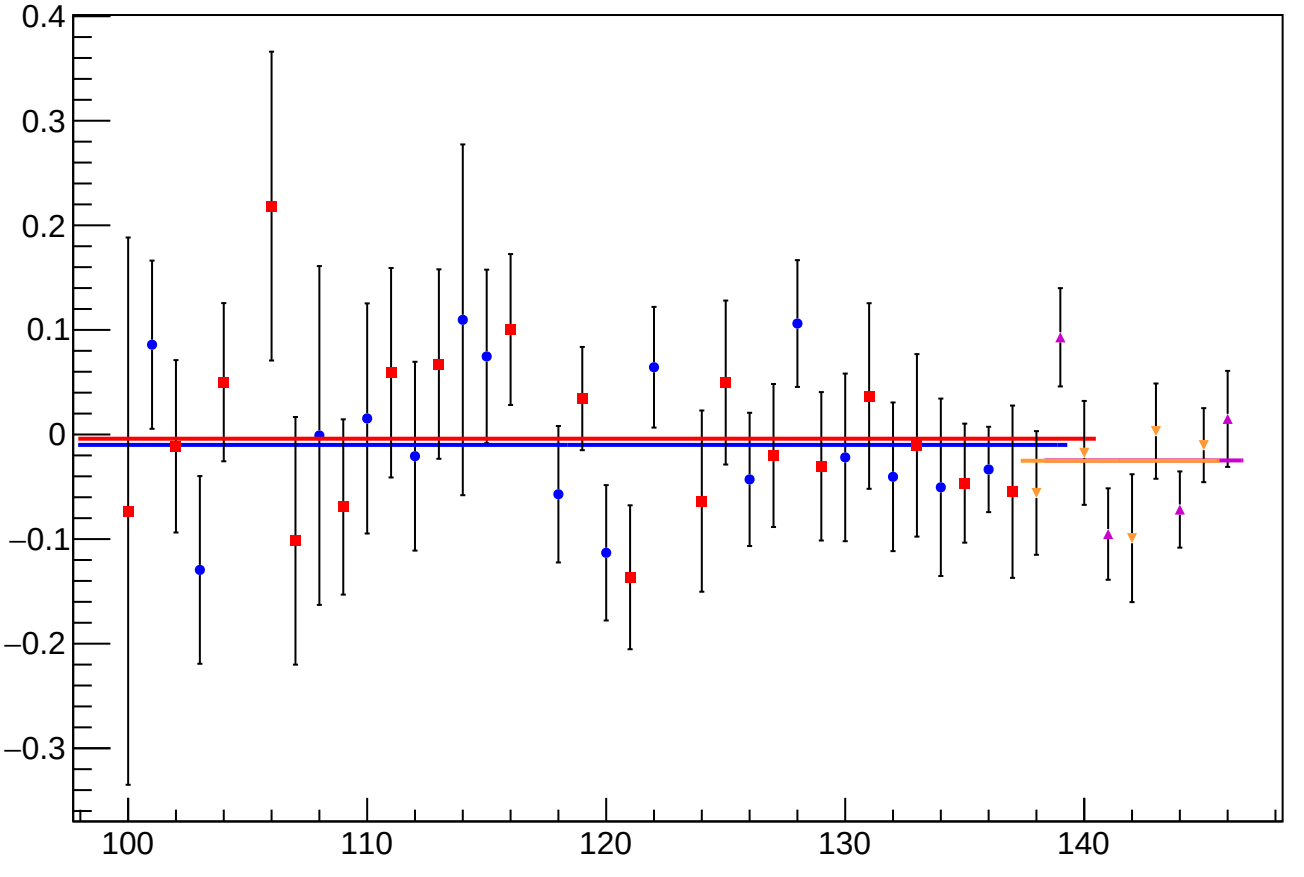
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:2935049.1/19

Out: 0.000+/-0.000 χ^2/NDF:3749661.2/23

All: 0.000+/-0.000 χ^2/NDF: 6792453.8/43

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: -0.025+/-0.021 χ^2/NDF:2.3/4

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.021 χ^2/NDF:11.3/3

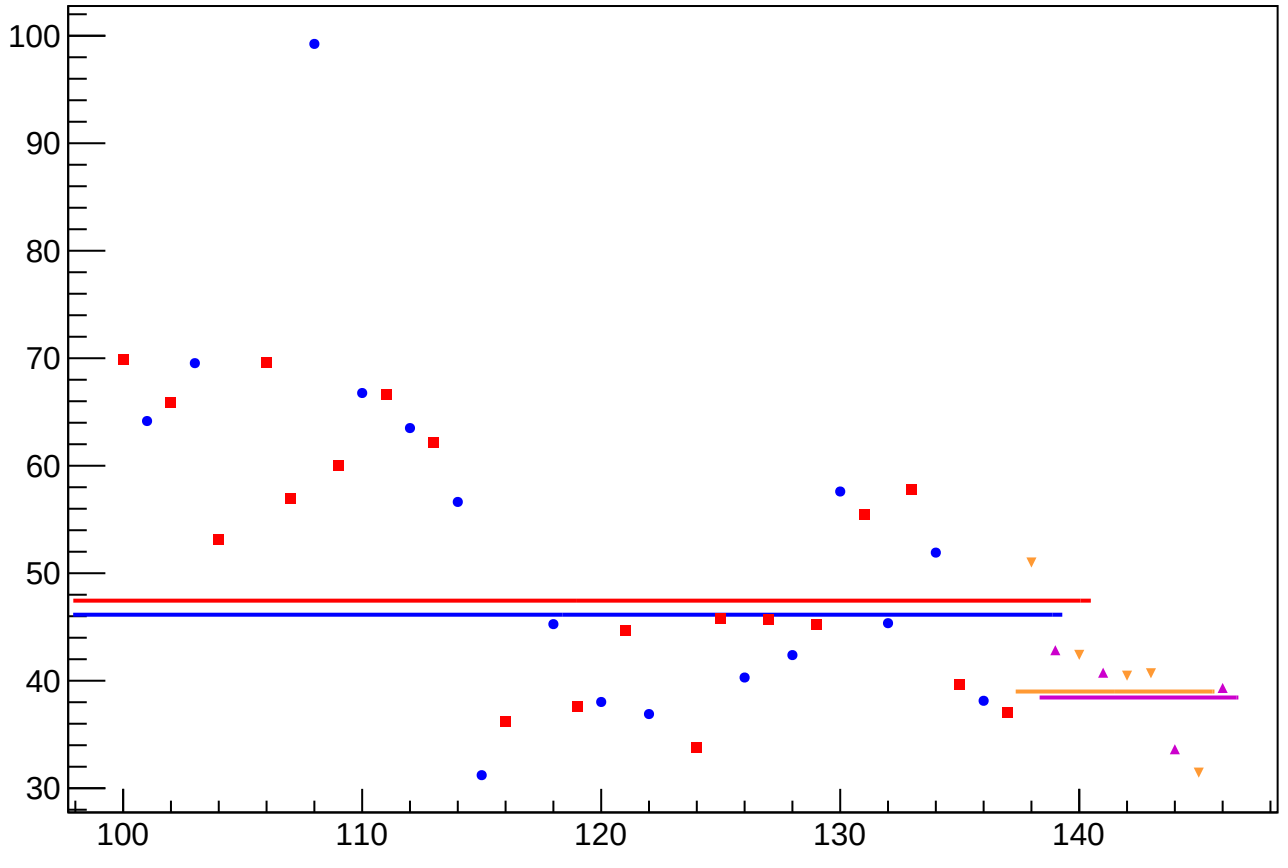
Left: -0.025+/-0.015 χ^2/NDF: 13.6/8

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.016+/-0.014 χ^2/NDF:25.8/19

Out: -0.013+/-0.014 χ^2/NDF:16.8/23

All: -0.015+/-0.010 χ^2/NDF: 42.6/43



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.995+/-0.015 χ^2/NDF:186749.2/4

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.439+/-0.015 χ^2/NDF:58753.8/3

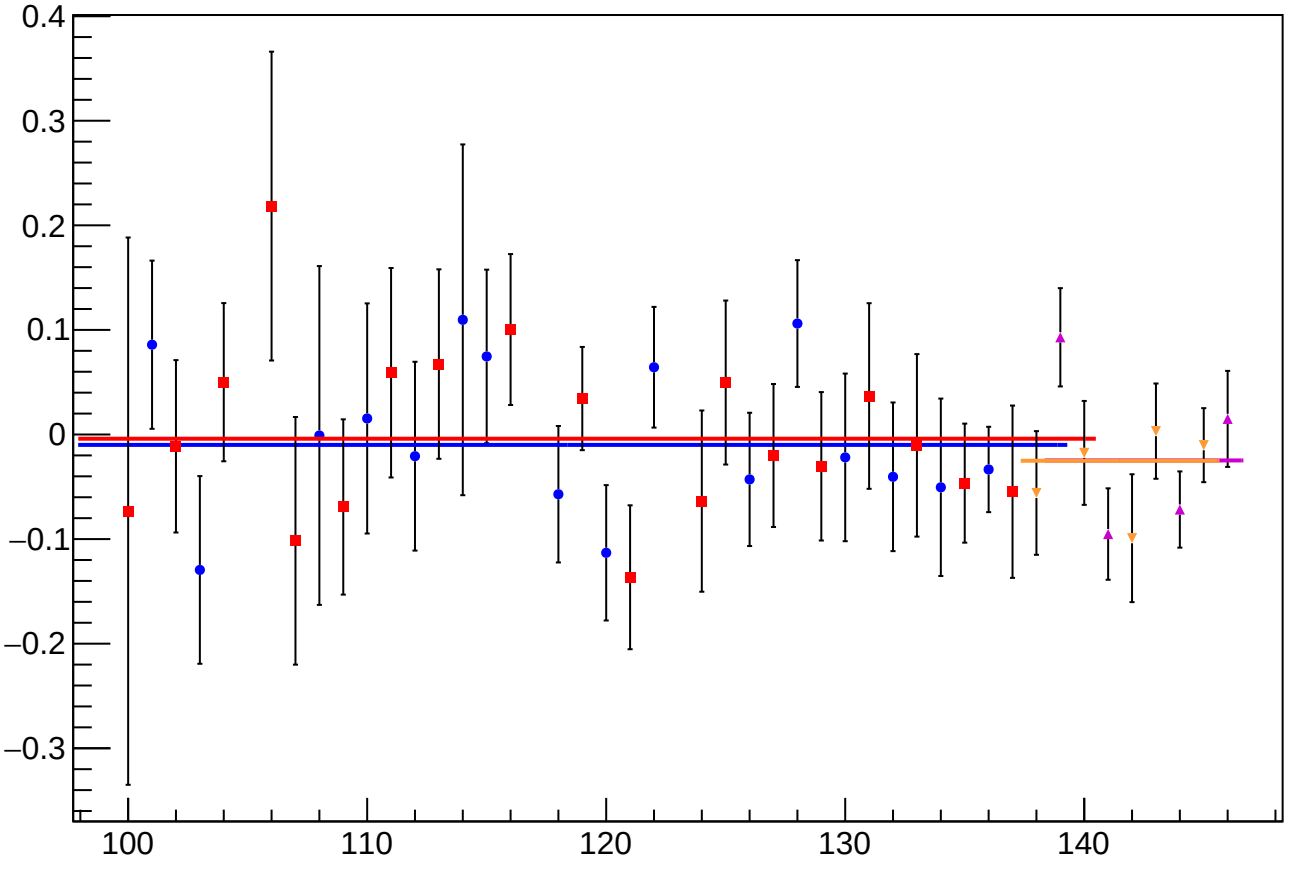
Left: 38.719+/-0.011 χ^2/NDF: 246190.0/8

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.934+/-0.010 χ^2/NDF:1114640.3/19

Out: 43.873+/-0.010 χ^2/NDF:1026178.1/23

All: 43.404+/-0.007 χ^2/NDF: 2145486.5/43



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.025+/-0.021 χ^2/NDF:2.3/4

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.021 χ^2/NDF:11.3/3

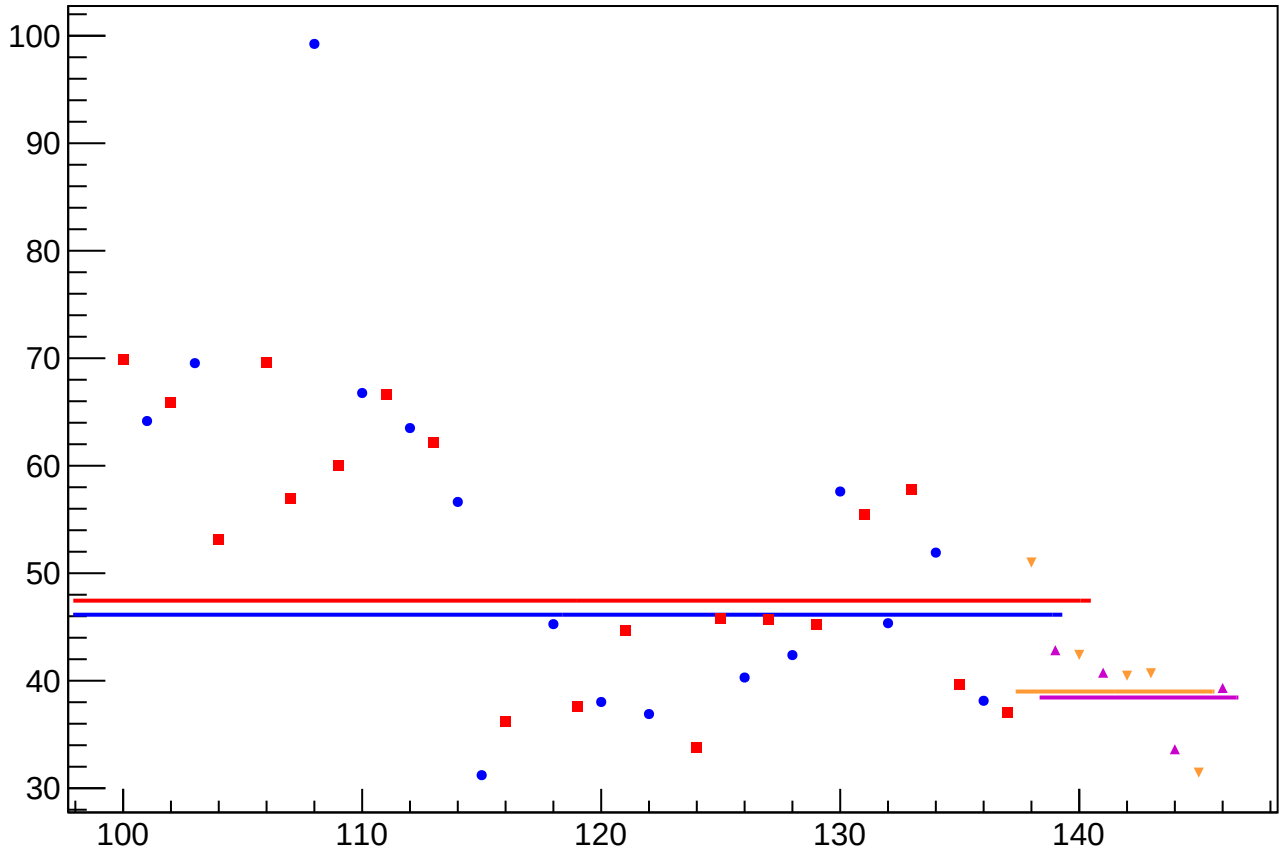
Left: -0.025+/-0.015 χ^2/NDF: 13.6/8

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.016+/-0.014 χ^2/NDF:25.8/19

Out: -0.013+/-0.014 χ^2/NDF:16.8/23

All: -0.015+/-0.010 χ^2/NDF: 42.6/43



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.995+/-0.015 χ^2/NDF:186749.2/4

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.439+/-0.015 χ^2/NDF:58753.8/3

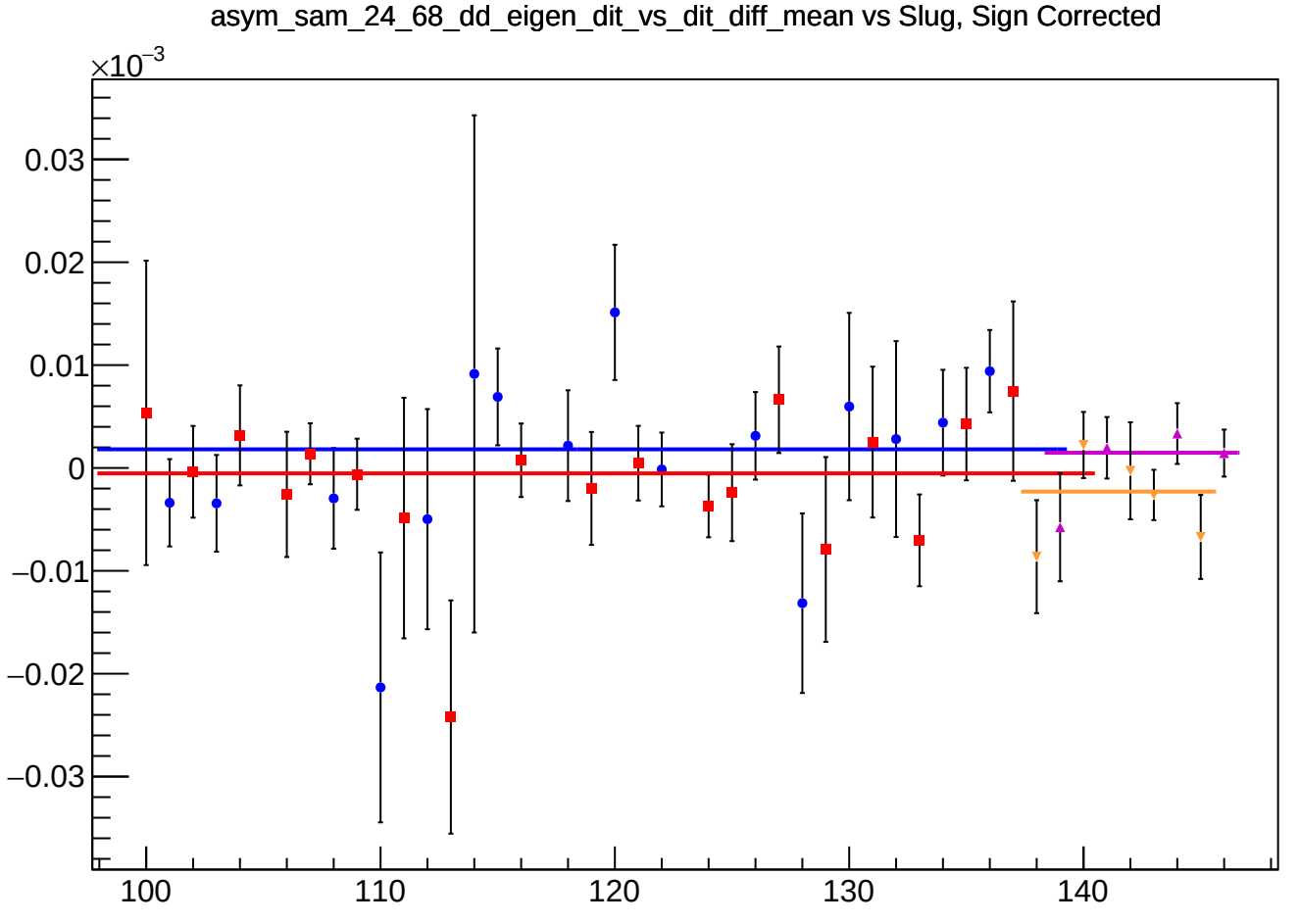
Left: 38.719+/-0.011 χ^2/NDF: 246190.0/8

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.934+/-0.010 χ^2/NDF:1114640.3/19

Out: 43.873+/-0.010 χ^2/NDF:1026178.1/23

All: 43.404+/-0.007 χ^2/NDF: 2145486.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/4

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/3

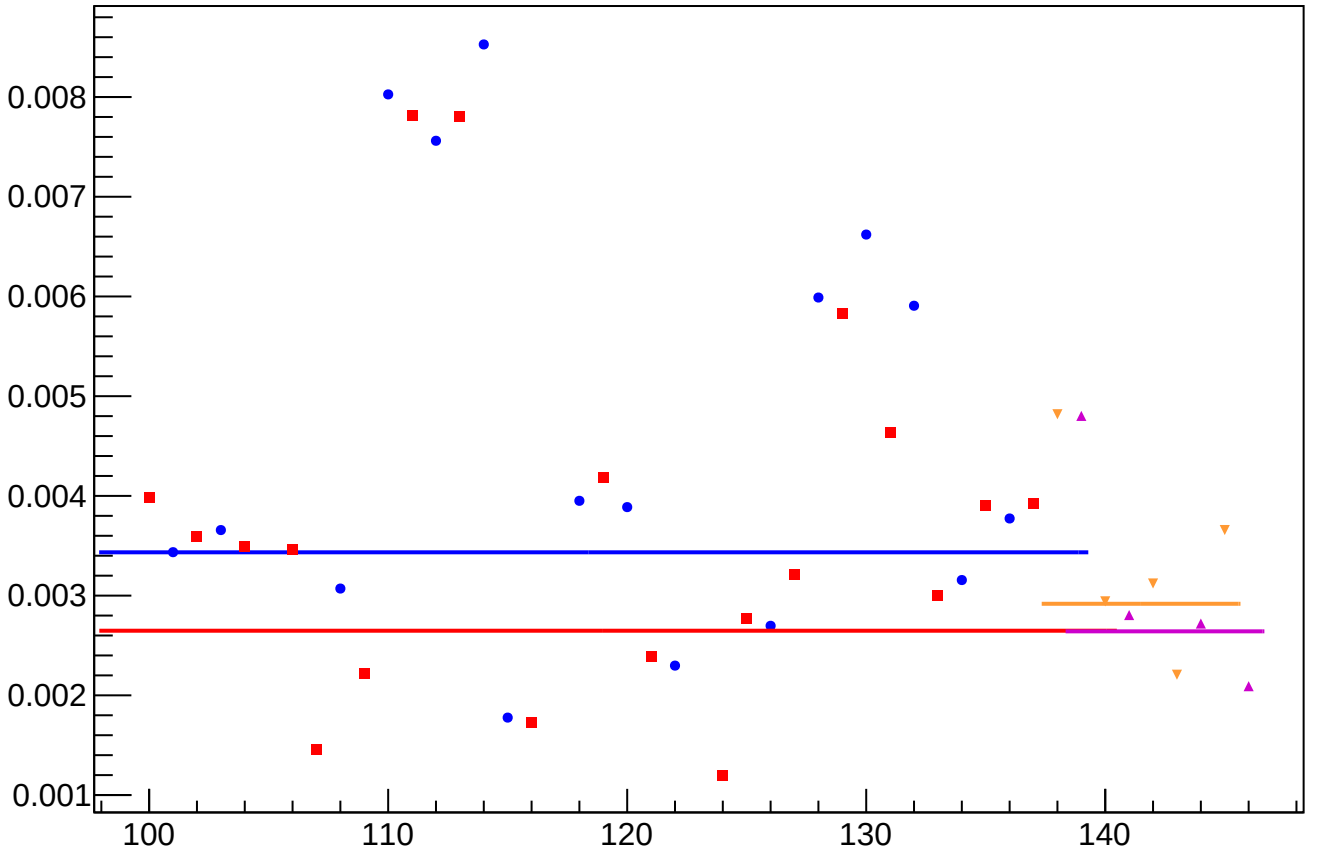
Left: -0.000+/-0.000 χ^2/NDF: 10.0/8

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:22.3/19

Out: -0.000+/-0.000 χ^2/NDF:19.3/23

All: 0.000+/-0.000 χ^2/NDF: 45.8/43



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:477800.7/4

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:460687.7/3

Left: 0.003+/-0.000 χ^2/NDF: 971057.5/8

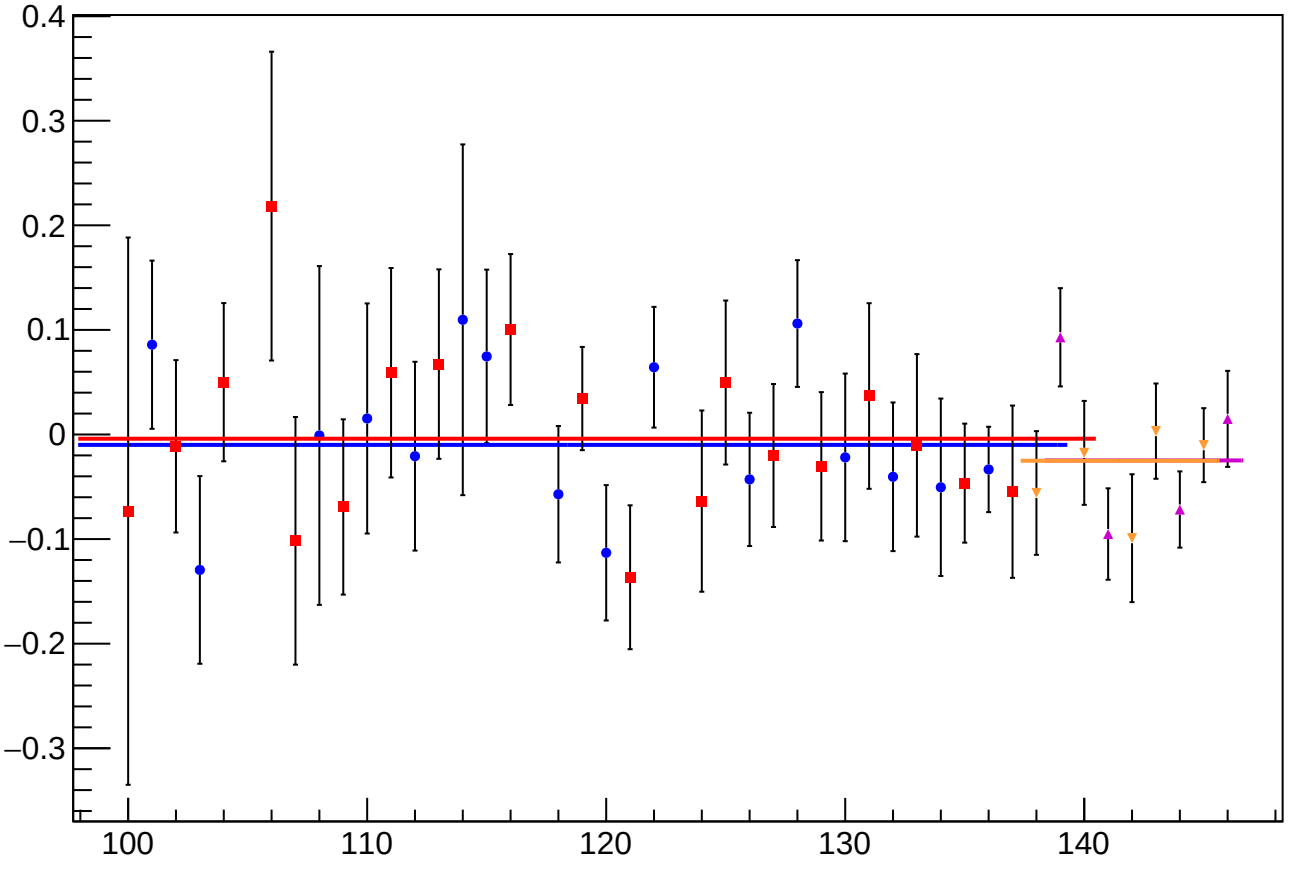
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:2516749.2/19

Out: 0.003+/-0.000 χ^2/NDF:3214364.3/23

All: 0.003+/-0.000 χ^2/NDF: 5853529.8/43

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: -0.025+/-0.021 χ^2/NDF:2.3/4

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.021 χ^2/NDF:11.3/3

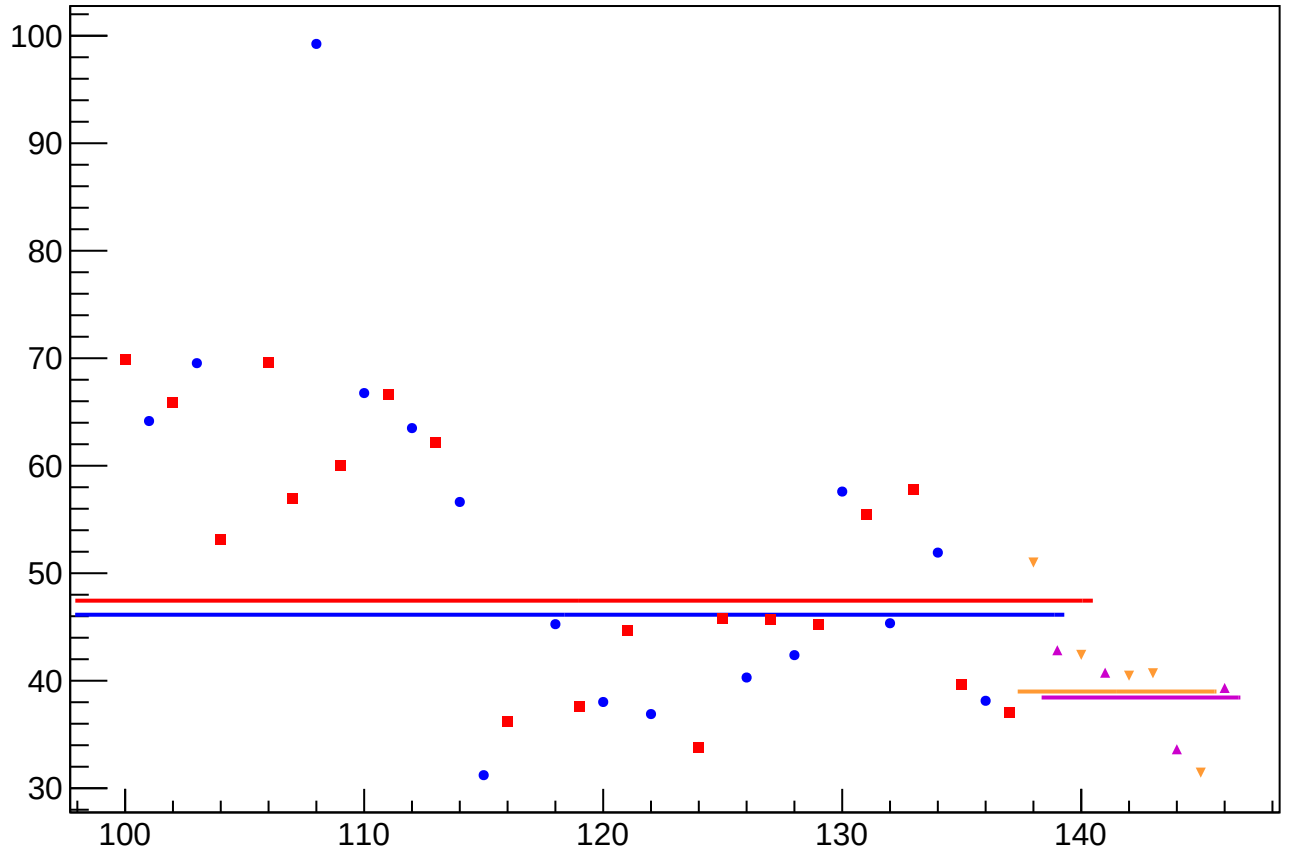
Left: -0.025+/-0.015 χ^2/NDF: 13.6/8

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.016+/-0.014 χ^2/NDF:25.8/19

Out: -0.013+/-0.014 χ^2/NDF:16.8/23

All: -0.015+/-0.010 χ^2/NDF: 42.6/43



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.995+/-0.015 χ^2/NDF:186745.0/4

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.439+/-0.015 χ^2/NDF:58750.2/3

Left: 38.719+/-0.011 χ^2/NDF: 246182.9/8

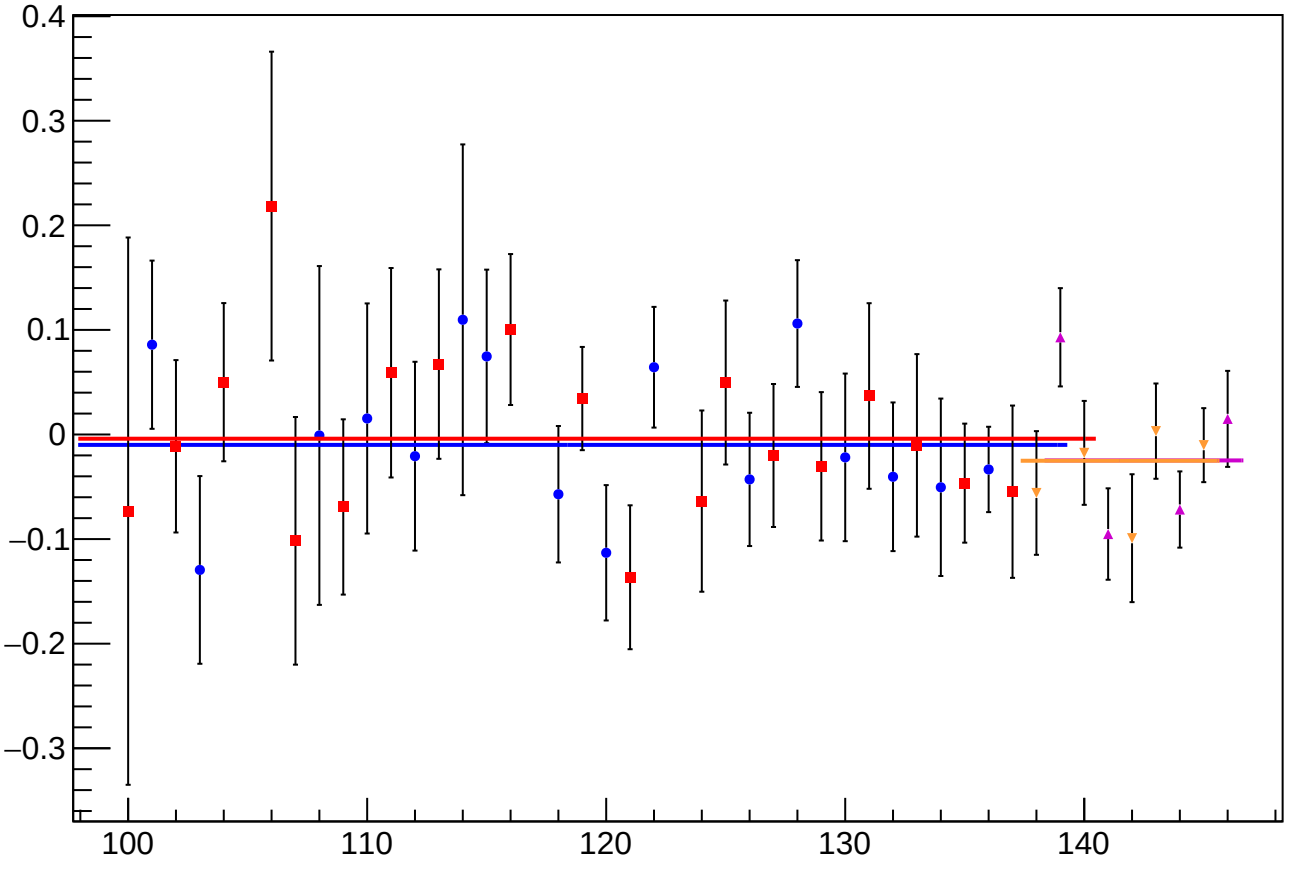
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 42.933+/-0.010 χ^2/NDF:1114561.7/19

Out: 43.873+/-0.010 χ^2/NDF:1026118.6/23

All: 43.403+/-0.007 χ^2/NDF: 2145352.0/43

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: -0.025+/-0.021 χ^2/NDF:2.3/4

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.021 χ^2/NDF:11.3/3

Left: -0.025+/-0.015 χ^2/NDF: 13.6/8

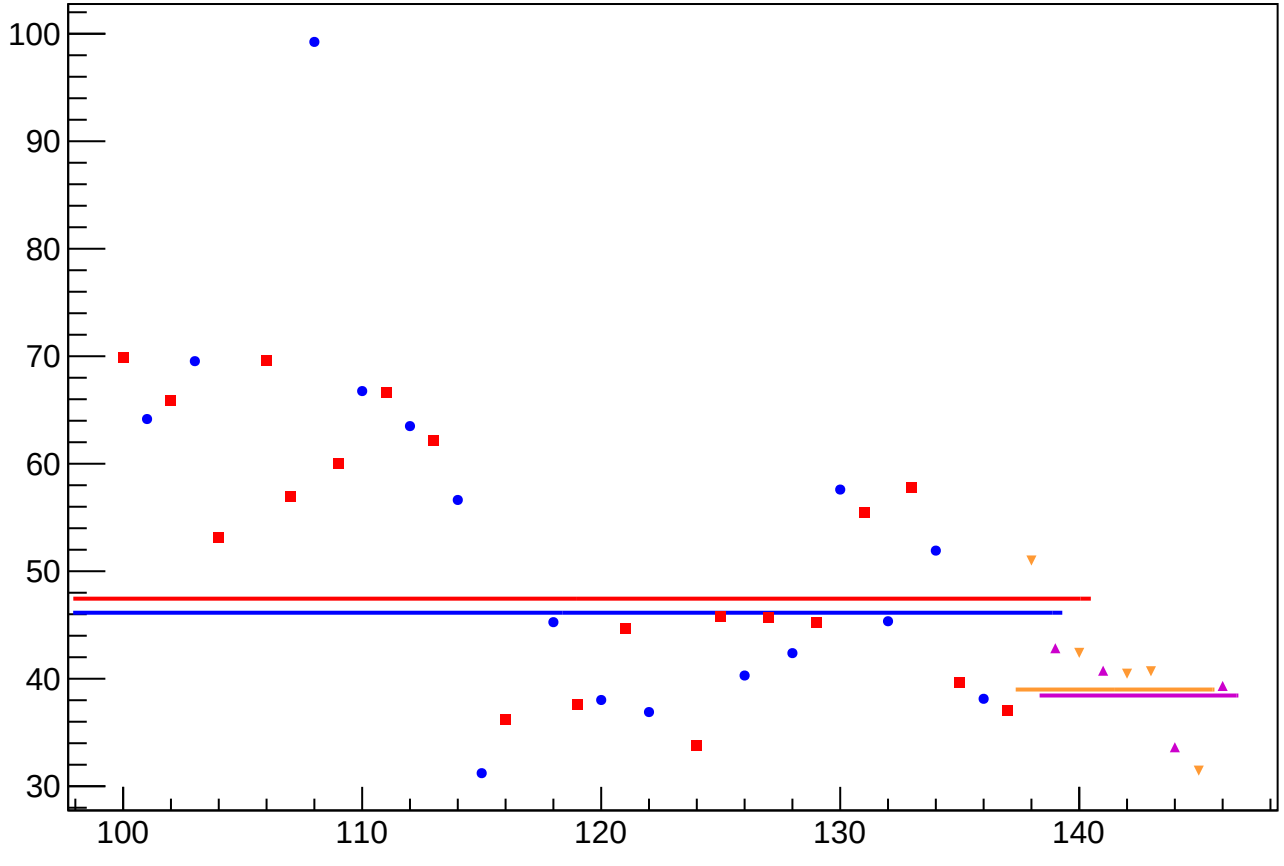
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.016+/-0.014 χ^2/NDF:25.8/19

Out: -0.013+/-0.014 χ^2/NDF:16.8/23

All: -0.015+/-0.010 χ^2/NDF: 42.6/43

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.995+/-0.015 χ^2/NDF:186745.0/4

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.439+/-0.015 χ^2/NDF:58750.2/3

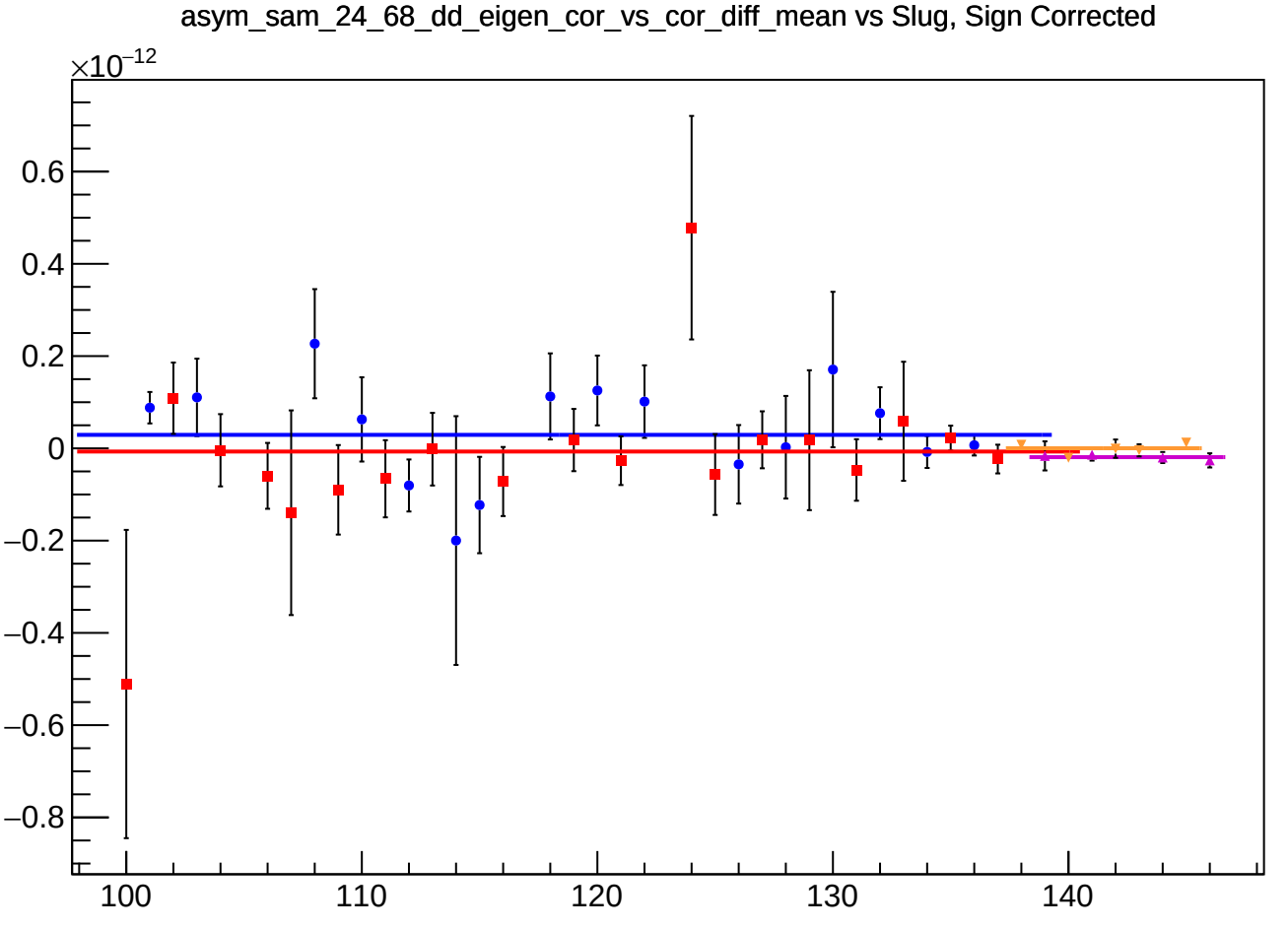
Left: 38.719+/-0.011 χ^2/NDF: 246182.9/8

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 42.933+/-0.010 χ^2/NDF:1114561.7/19

Out: 43.873+/-0.010 χ^2/NDF:1026118.6/23

All: 43.403+/-0.007 χ^2/NDF: 2145352.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/3

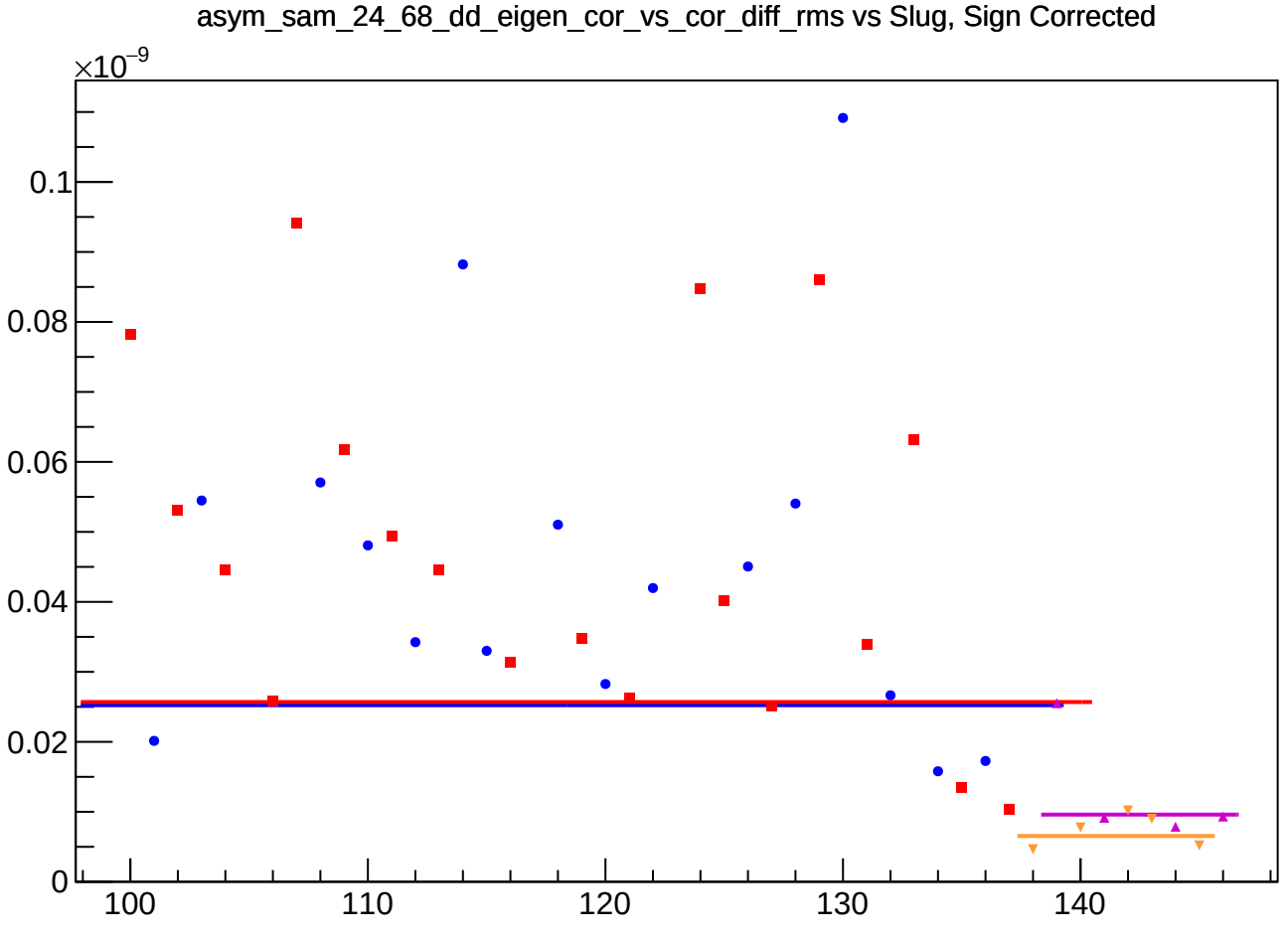
Left: -0.000+/-0.000 χ^2/NDF: 11.1/8

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:31.1/19

Out: -0.000+/-0.000 χ^2/NDF:20.6/23

All: -0.000+/-0.000 χ^2/NDF: 52.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:279389.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:554210.0/3

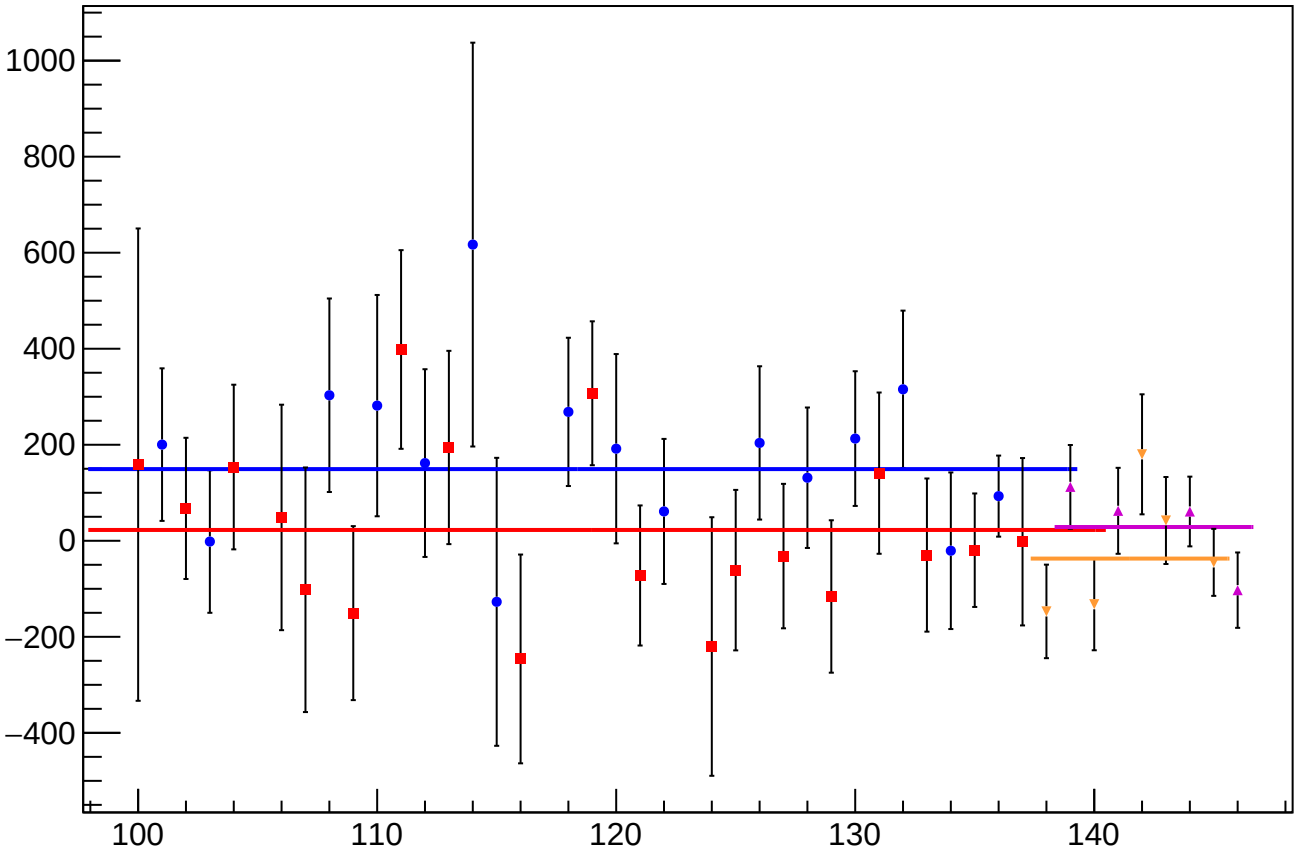
Left: 0.000+/-0.000 χ^2/NDF: 1066108.2/8

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4732860.5/19

Out: 0.000+/-0.000 χ^2/NDF:6235571.0/23

All: 0.000+/-0.000 χ^2/NDF: 11594733.6/43



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -37.064+/-40.638 χ^2/NDF:6.1/4

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 28.698+/-40.538 χ^2/NDF:4.1/3

Left: -4.102+/-28.700 χ^2/NDF: 11.4/8

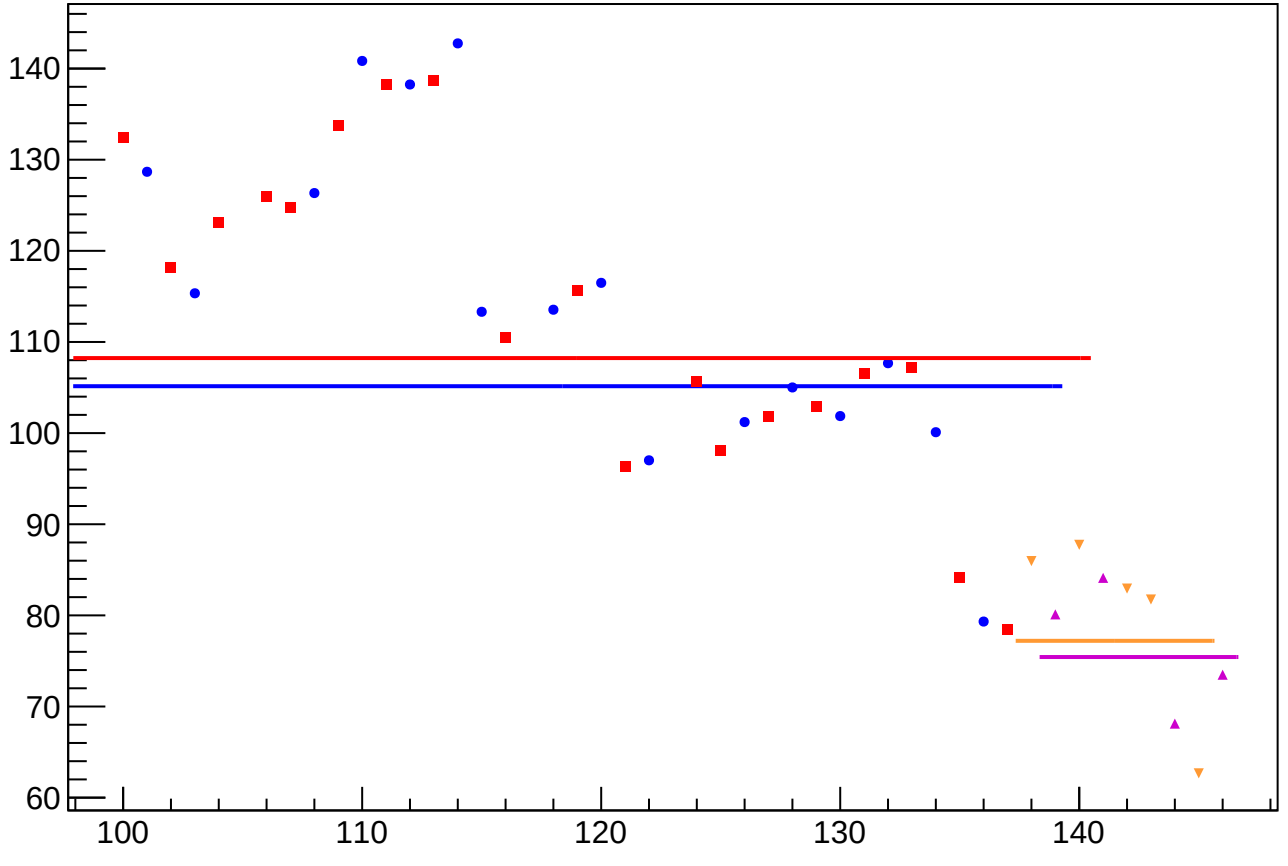
Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 90.279+/-28.359 χ^2/NDF:16.6/19

Out: -6.861+/-28.543 χ^2/NDF:21.4/23

All: 42.024+/-20.118 χ^2/NDF: 43.8/43

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 77.208+/-0.029 χ^2/NDF:136412.8/4

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

Left: 76.317+/-0.020 χ^2/NDF: 184417.1/8

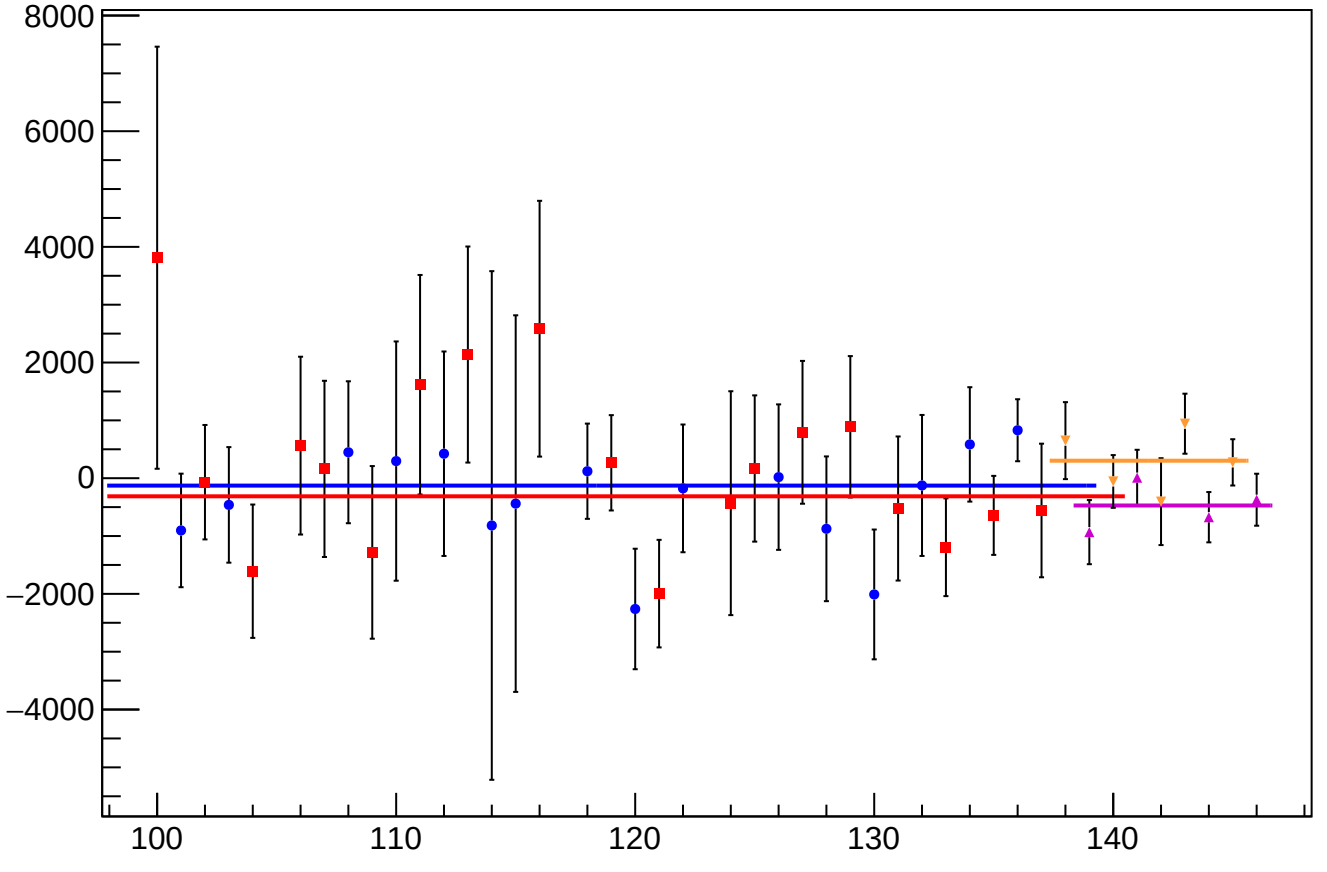
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 90.603+/-0.020 χ^2/NDF:1003262.0/19

Out: 92.927+/-0.020 χ^2/NDF:1076958.2/23

All: 91.757+/-0.014 χ^2/NDF: 2086891.7/43

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: 302.548+/-230.658 χ^2/NDF:3.3/4

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -471.960+/-237.018 χ^2/NDF:2.0/3

Left: -74.176+/-165.303 χ^2/NDF: 10.7/8

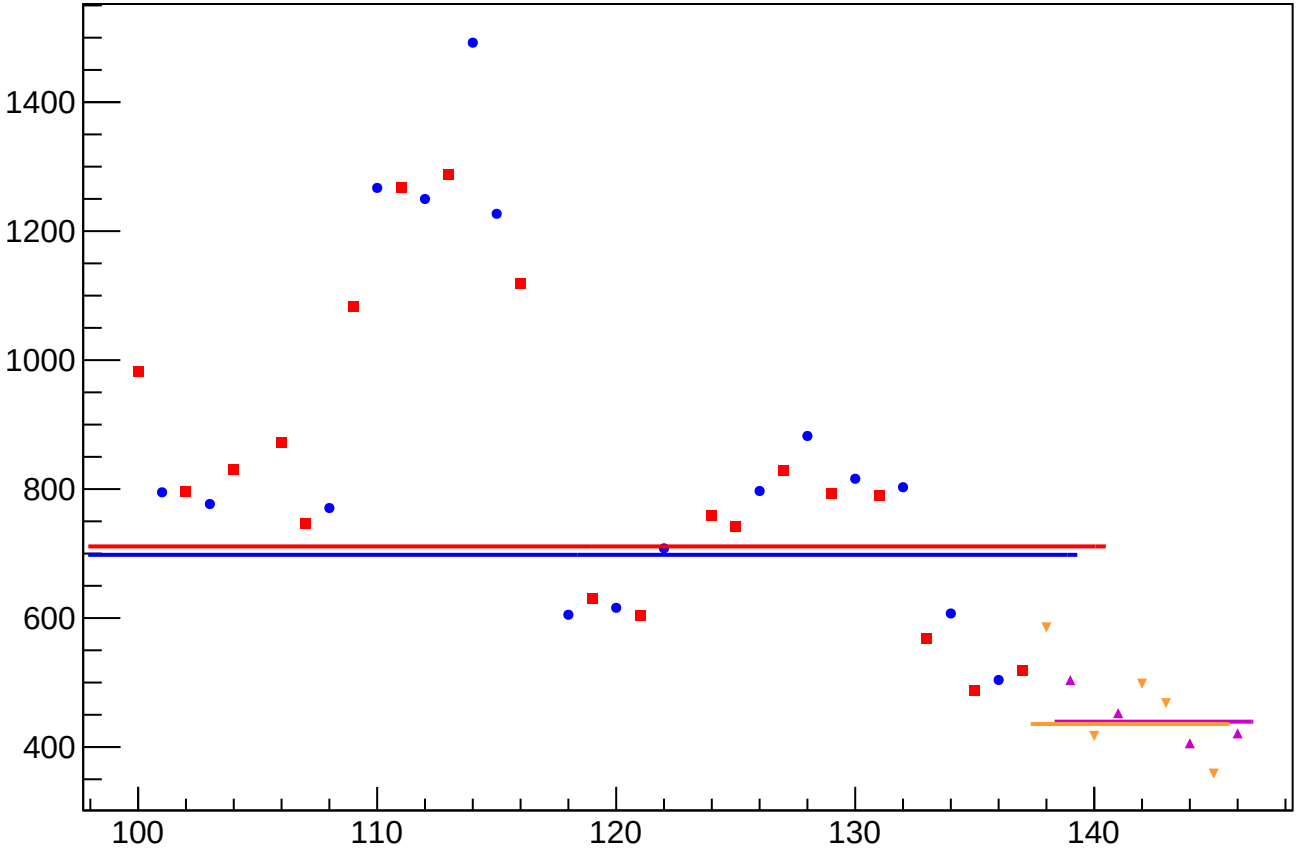
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -321.413+/-177.722 χ^2/NDF:15.2/19

Out: 42.979+/-175.412 χ^2/NDF:21.3/23

All: -136.833+/-124.844 χ^2/NDF: 38.6/43

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: 435.678+/-0.163 χ^2/NDF:200132.8/4

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 439.345+/-0.168 χ^2/NDF:43673.8/3

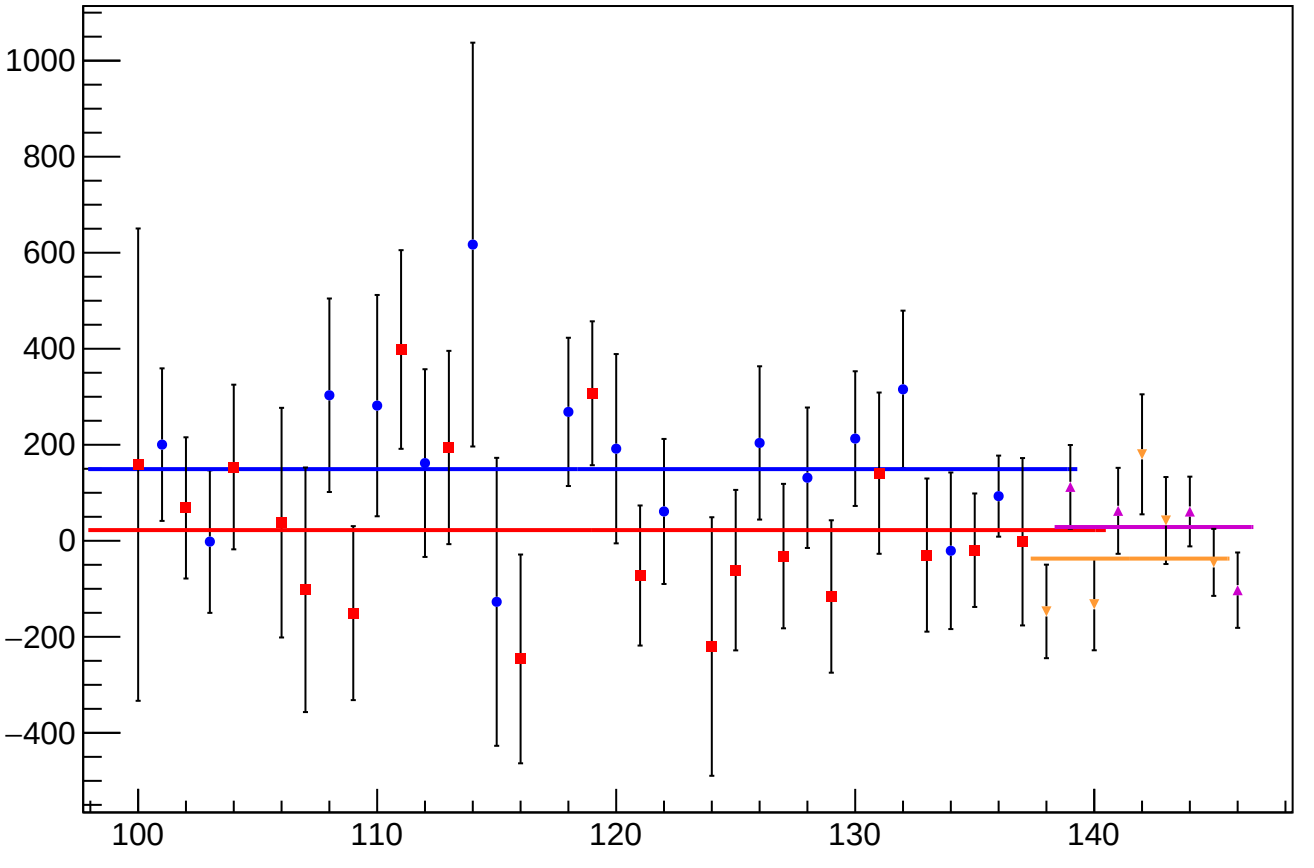
Left: 437.462+/-0.117 χ^2/NDF: 244052.5/8

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 552.598+/-0.126 χ^2/NDF:1999631.1/19

Out: 551.809+/-0.124 χ^2/NDF:2437565.9/23

All: 552.198+/-0.088 χ^2/NDF: 4437216.9/43



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -37.073+/-40.638 χ^2/NDF:6.1/4

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 28.695+/-40.538 χ^2/NDF:4.1/3

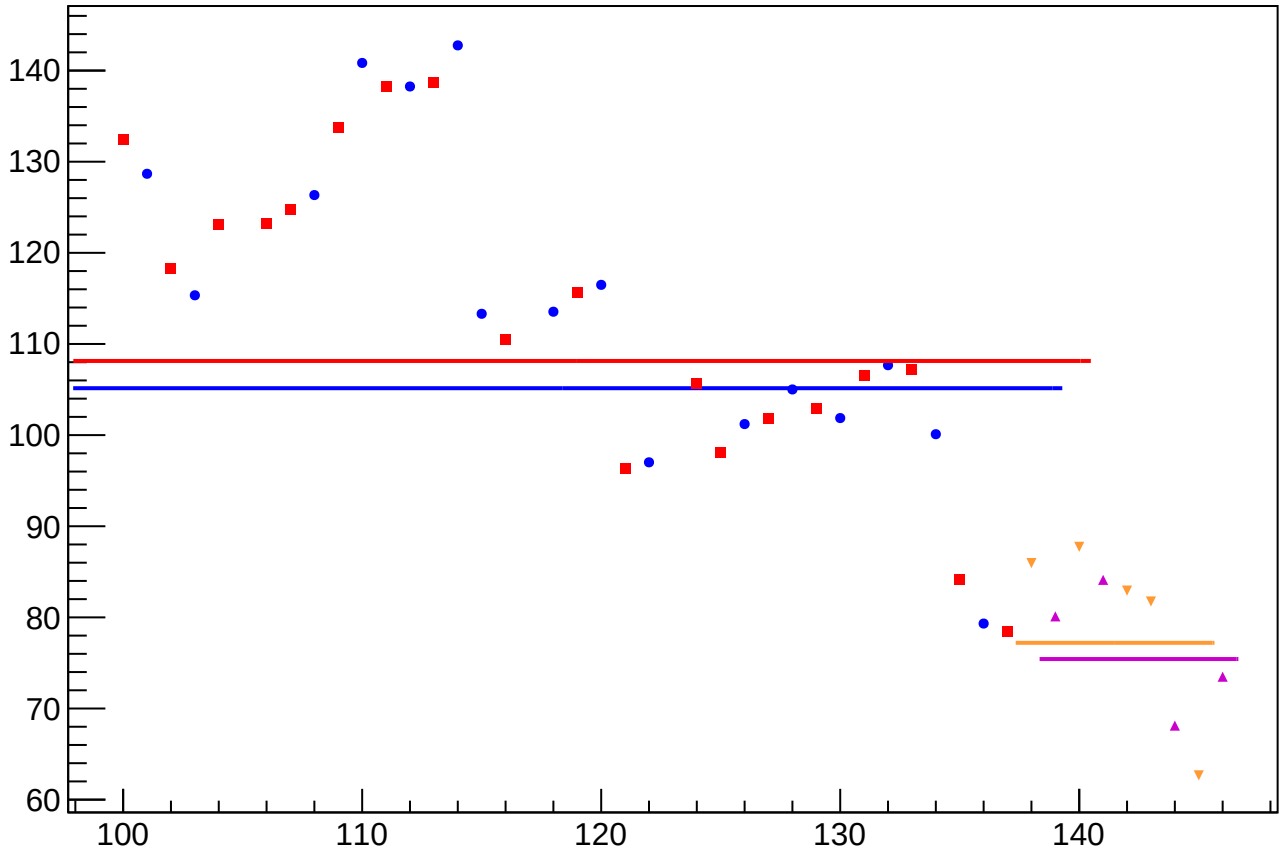
Left: -4.108+/-28.700 χ^2/NDF: 11.4/8

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 90.273+/-28.359 χ^2/NDF:16.6/19

Out: -7.009+/-28.551 χ^2/NDF:21.3/23

All: 41.961+/-20.120 χ^2/NDF: 43.8/43



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 77.208+/-0.029 χ^2/NDF:136412.8/4

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

Left: 76.317+/-0.020 χ^2/NDF: 184417.1/8

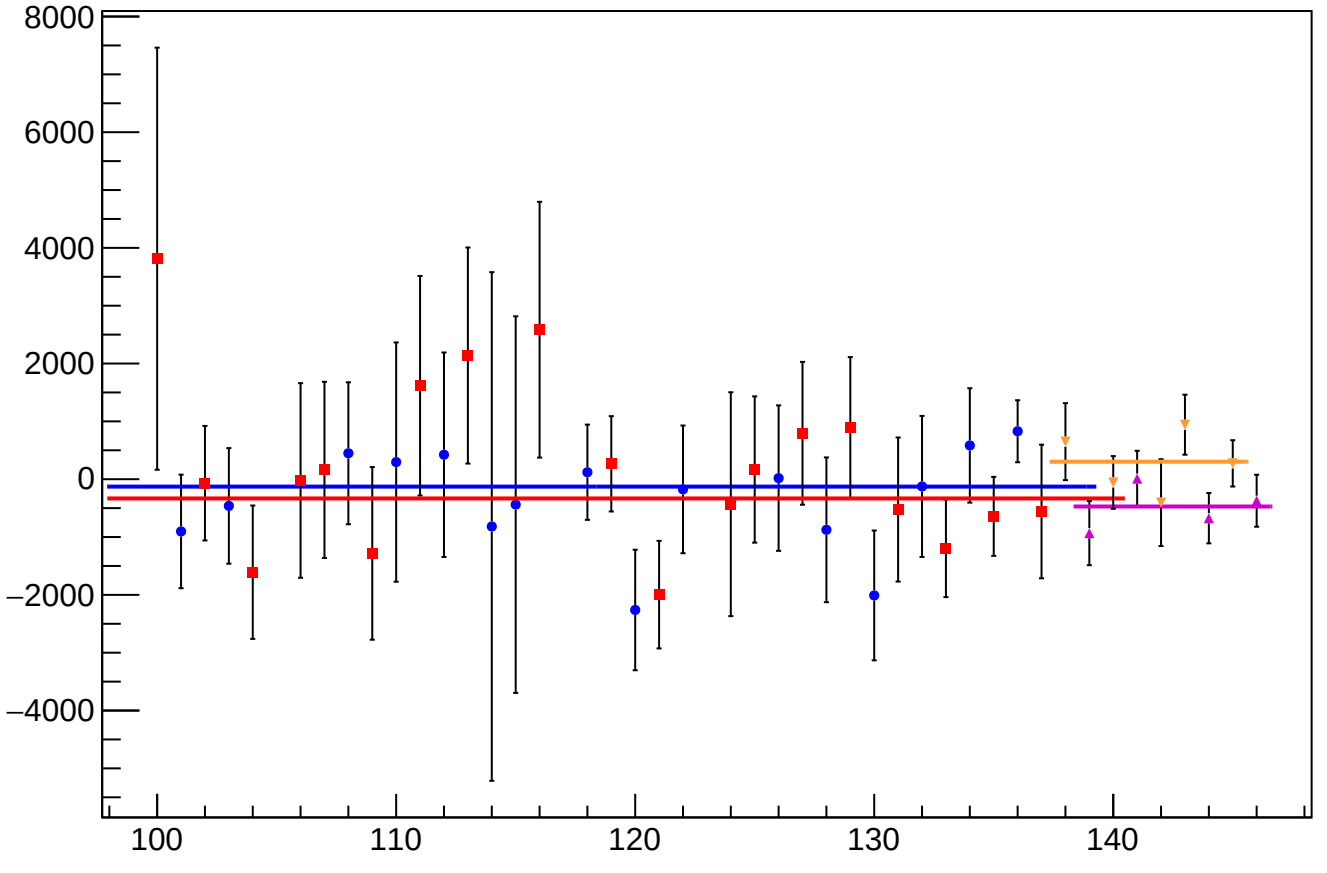
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.603+/-0.020 χ^2/NDF:1003262.4/19

Out: 92.870+/-0.020 χ^2/NDF:1069361.0/23

All: 91.729+/-0.014 χ^2/NDF: 2078967.8/43

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: 302.540+/-230.658 χ^2/NDF:3.3/4

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -471.964+/-237.018 χ^2/NDF:2.0/3

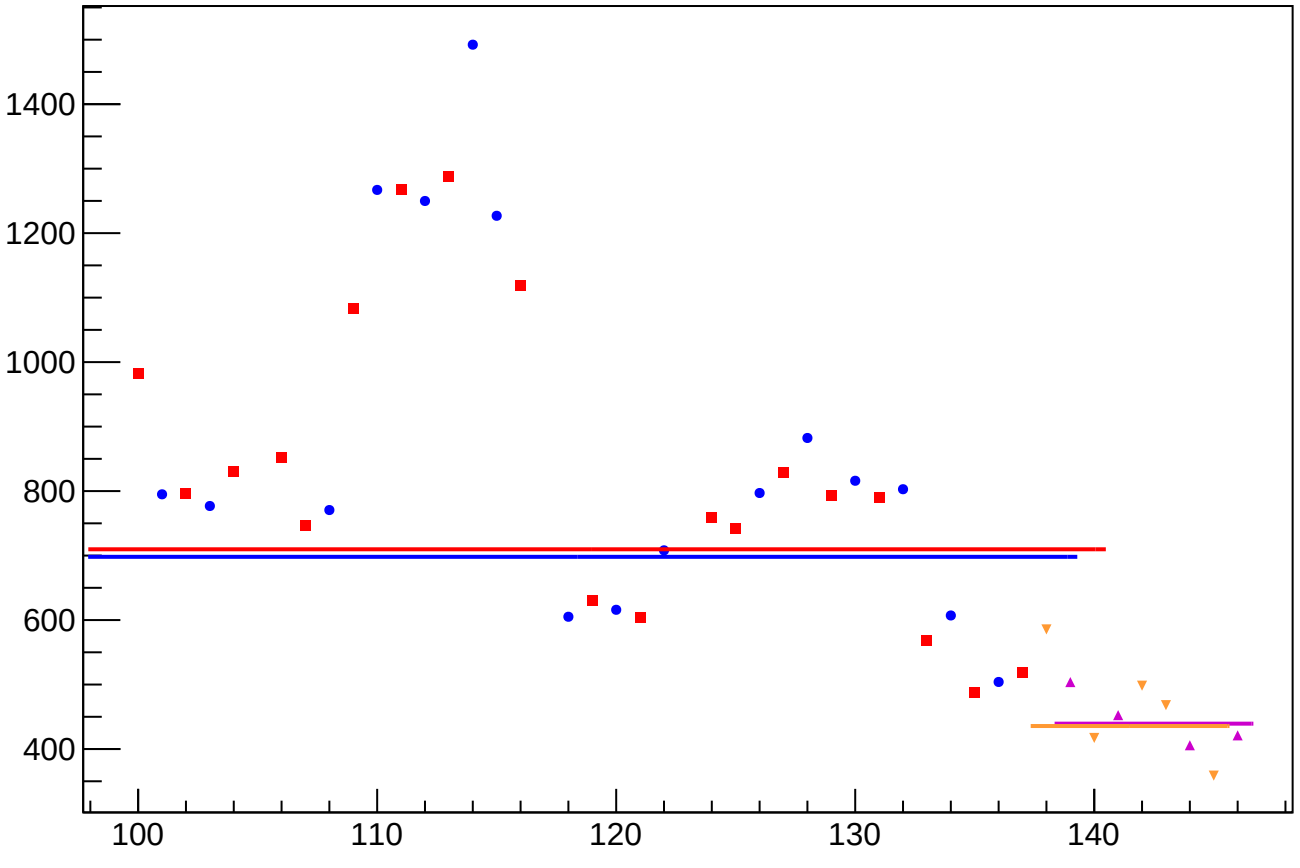
Left: -74.182+/-165.303 χ^2/NDF: 10.7/8

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -321.411+/-177.722 χ^2/NDF:15.2/19

Out: 35.502+/-175.604 χ^2/NDF:21.2/23

All: -140.814+/-124.913 χ^2/NDF: 38.4/43



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 435.678+/-0.163 χ^2/NDF:200134.8/4

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 439.345+/-0.168 χ^2/NDF:43673.4/3

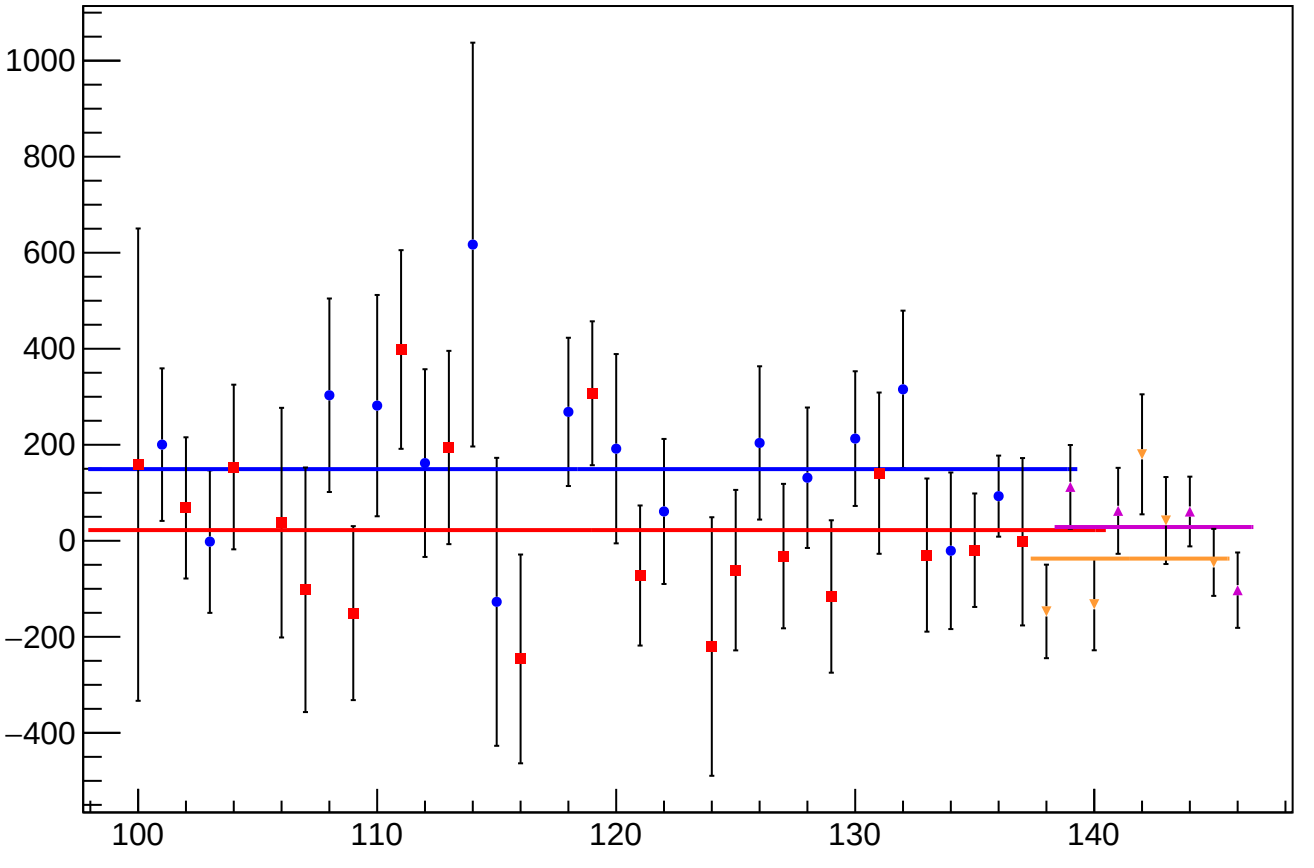
Left: 437.462+/-0.117 χ^2/NDF: 244054.2/8

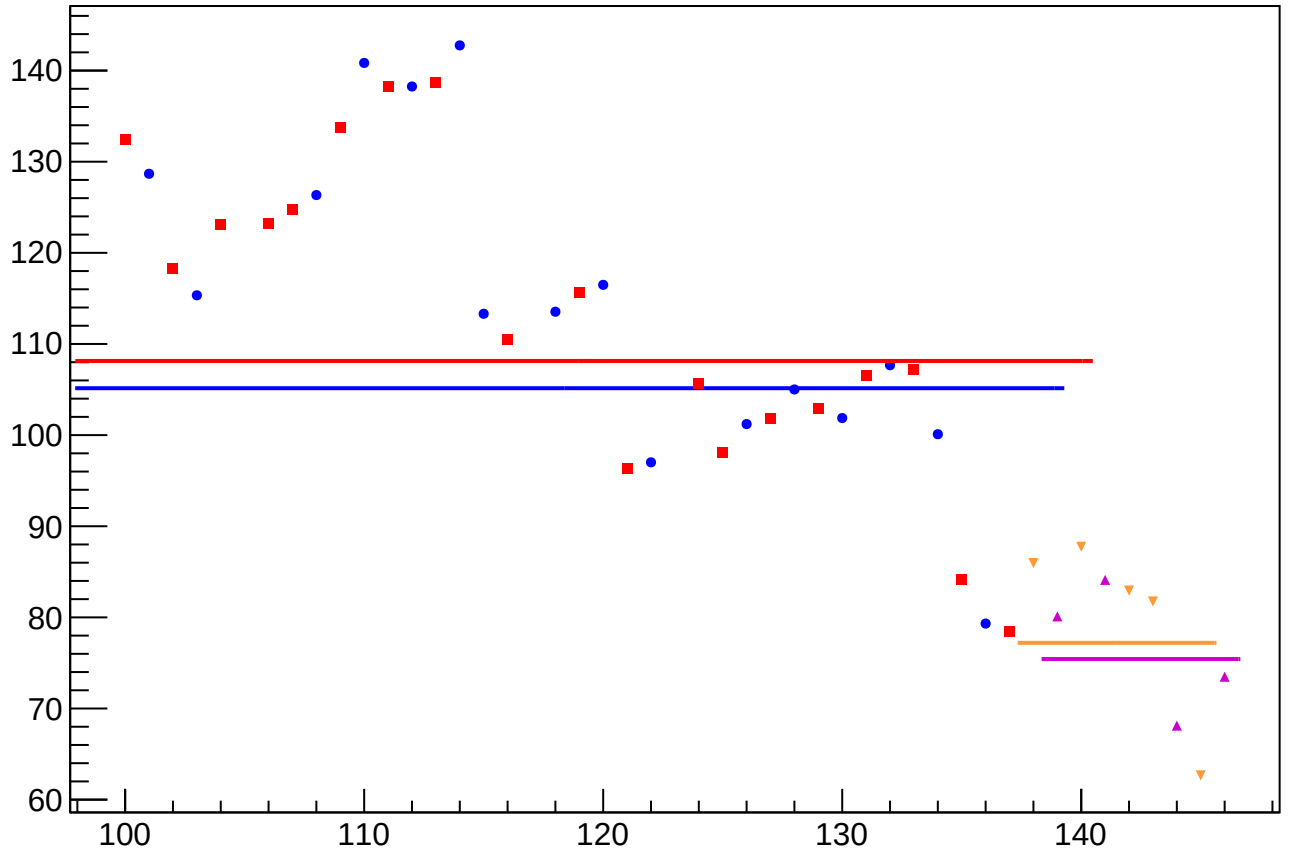
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 552.598+/-0.126 χ^2/NDF:1999641.1/19

Out: 550.896+/-0.124 χ^2/NDF:2414315.7/23

All: 551.737+/-0.088 χ^2/NDF: 4414049.7/43


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
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -37.073+/-40.638 χ²/NDF:6.1/4
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 28.695+/-40.538 χ²/NDF:4.1/3
Left: -4.108+/-28.700 χ²/NDF: 11.4/8
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 90.273+/-28.359 χ²/NDF:16.6/19
Out: -7.009+/-28.551 χ²/NDF:21.3/23
All: 41.961+/-20.120 χ²/NDF: 43.8/43



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 77.208+/-0.029 χ^2/NDF:136412.8/4

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

Left: 76.317+/-0.020 χ^2/NDF: 184417.1/8

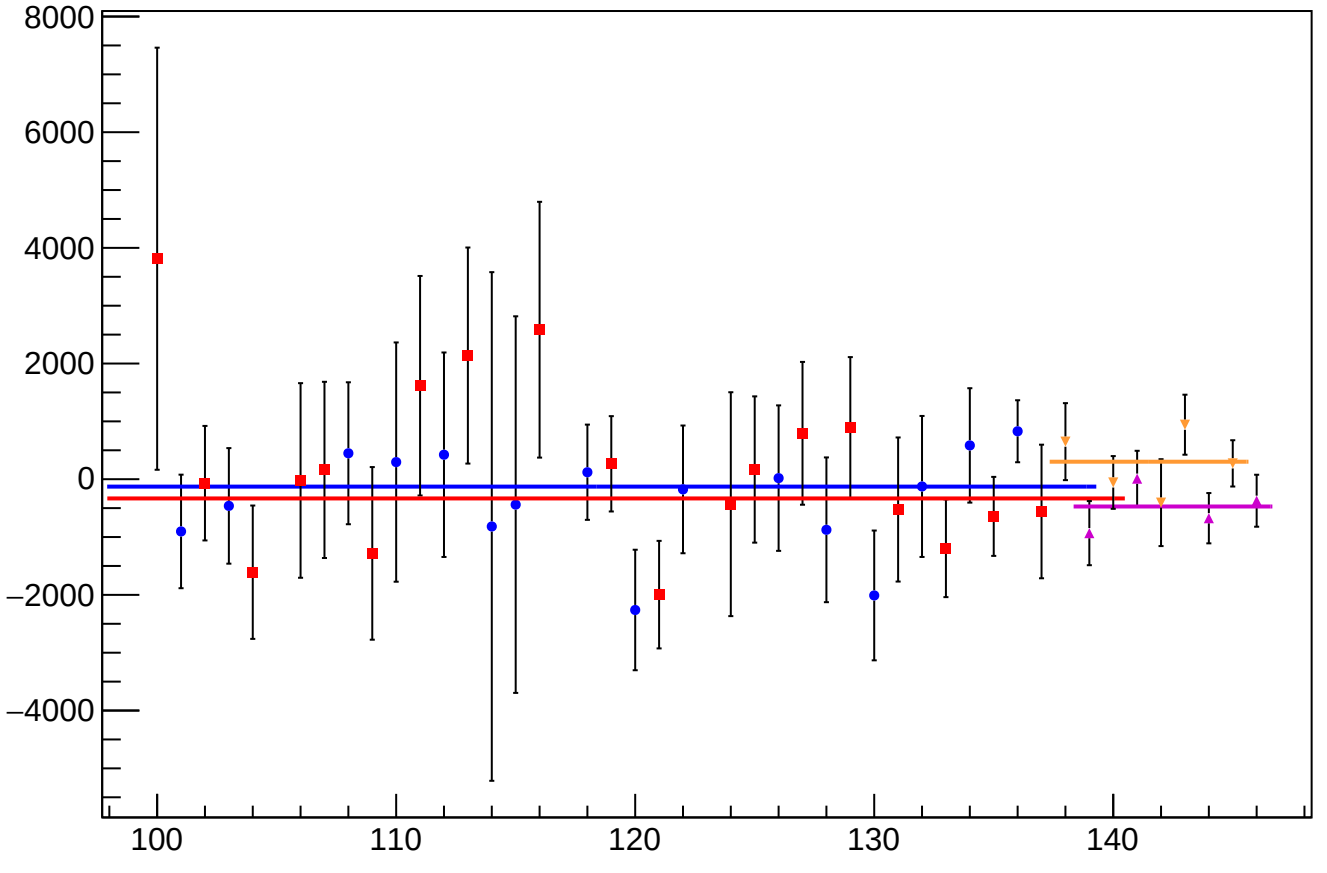
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.603+/-0.020 χ^2/NDF:1003262.4/19

Out: 92.870+/-0.020 χ^2/NDF:1069361.0/23

All: 91.729+/-0.014 χ^2/NDF: 2078967.8/43

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: 302.540+/-230.658 χ^2/NDF:3.3/4

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -471.964+/-237.018 χ^2/NDF:2.0/3

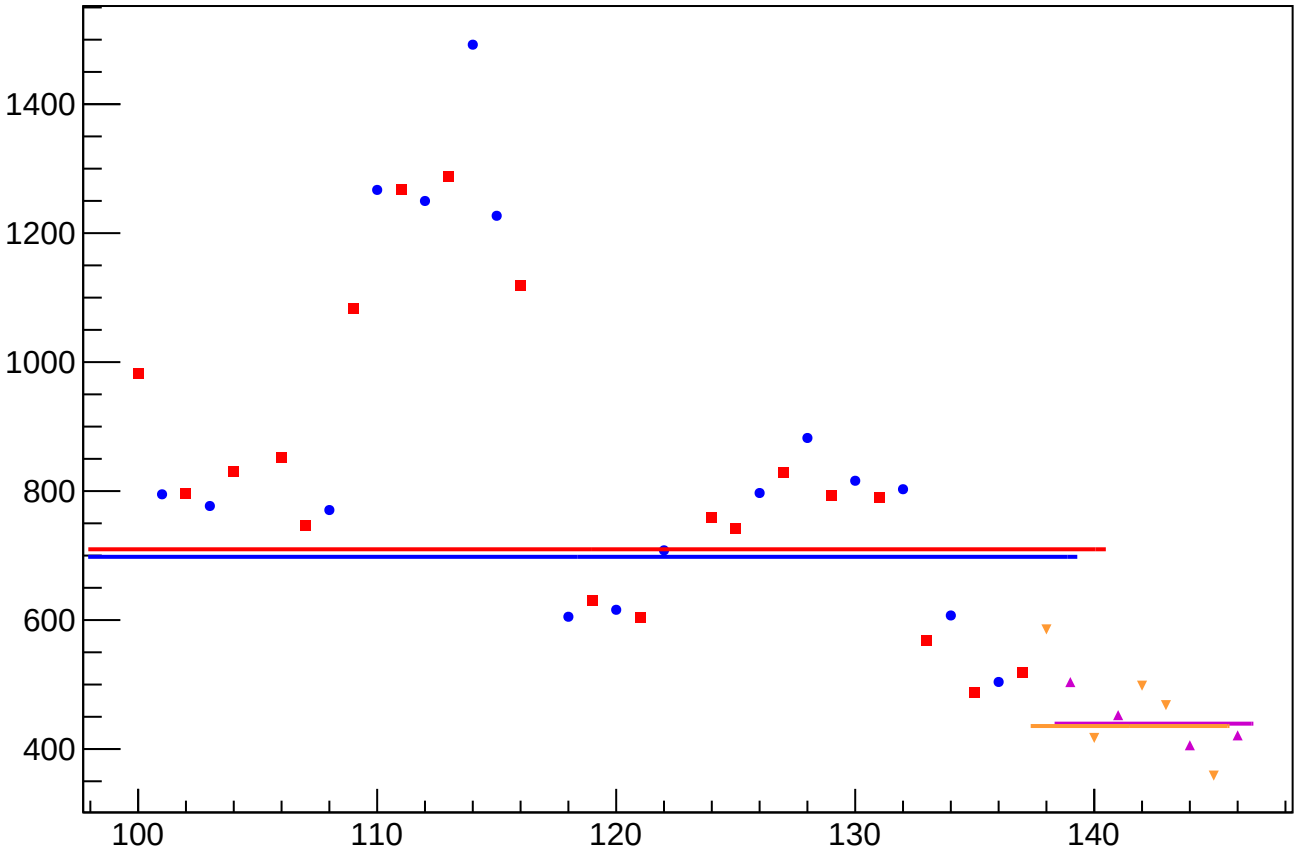
Left: -74.182+/-165.303 χ^2/NDF: 10.7/8

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -321.411+/-177.722 χ^2/NDF:15.2/19

Out: 35.502+/-175.604 χ^2/NDF:21.2/23

All: -140.814+/-124.913 χ^2/NDF: 38.4/43



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 435.678+/-0.163 χ^2/NDF:200134.8/4

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 439.345+/-0.168 χ^2/NDF:43673.4/3

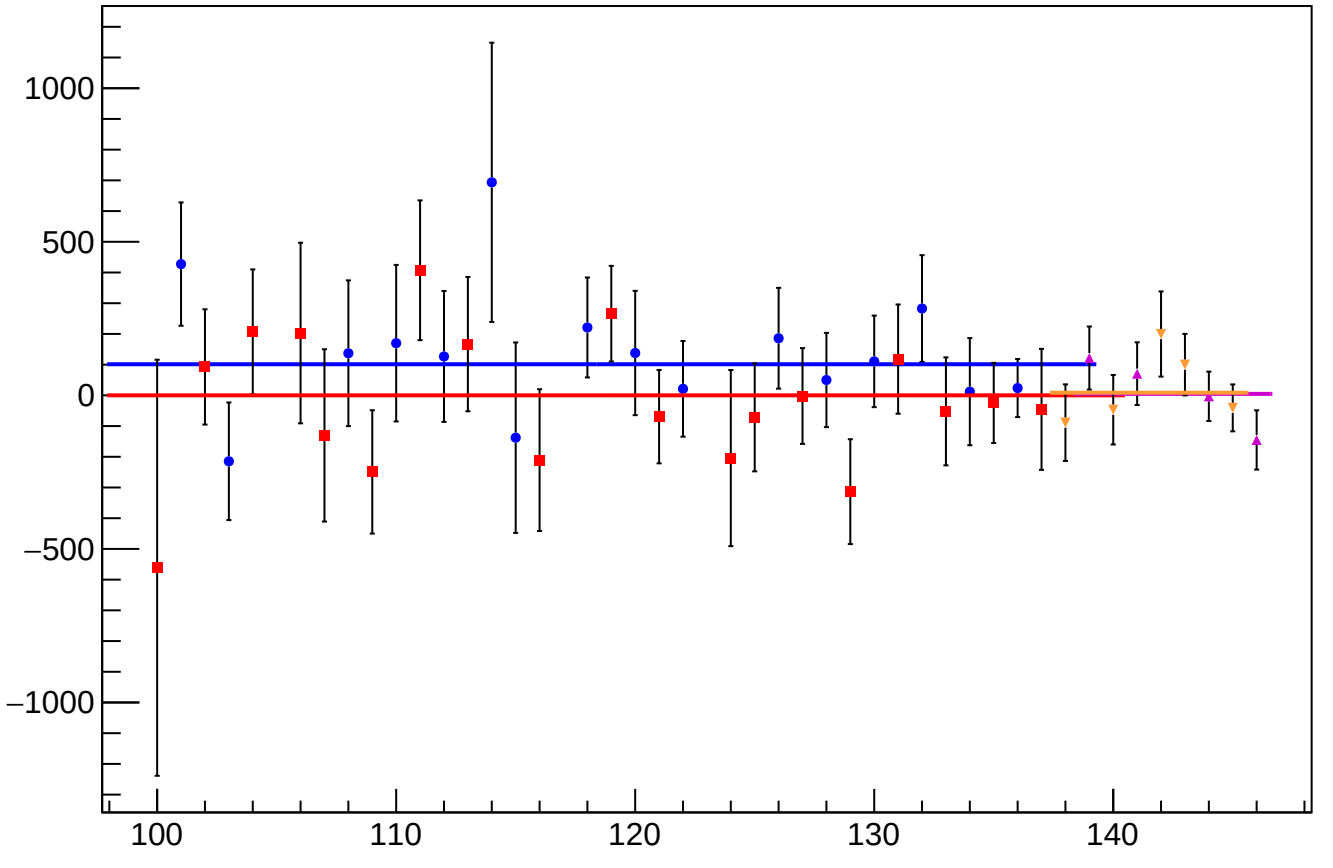
Left: 437.462+/-0.117 χ^2/NDF: 244054.2/8

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 552.598+/-0.126 χ^2/NDF:1999641.1/19

Out: 550.896+/-0.124 χ^2/NDF:2414315.7/23

All: 551.737+/-0.088 χ^2/NDF: 4414049.7/43



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 8.554+/-46.348 χ^2/NDF:4.0/4

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 4.825+/-46.983 χ^2/NDF:4.1/3

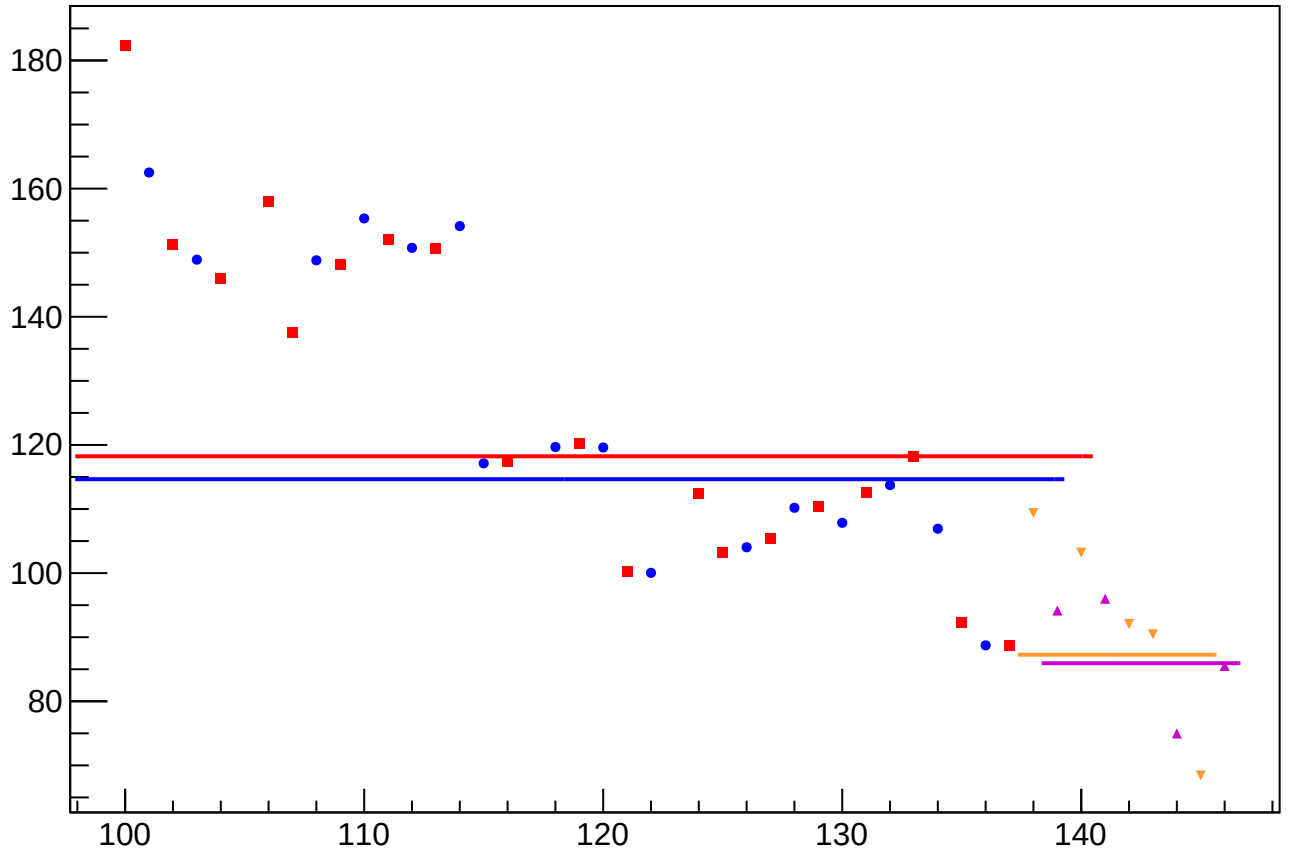
Left: 6.715+/-32.995 χ^2/NDF: 8.1/8

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 56.750+/-31.923 χ^2/NDF:17.4/19

Out: 4.124+/-31.924 χ^2/NDF:20.6/23

All: 30.437+/-22.573 χ^2/NDF: 39.4/43



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 87.274+/-0.033 χ^2/NDF:228489.8/4

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 85.941+/-0.033 χ^2/NDF:69449.1/3

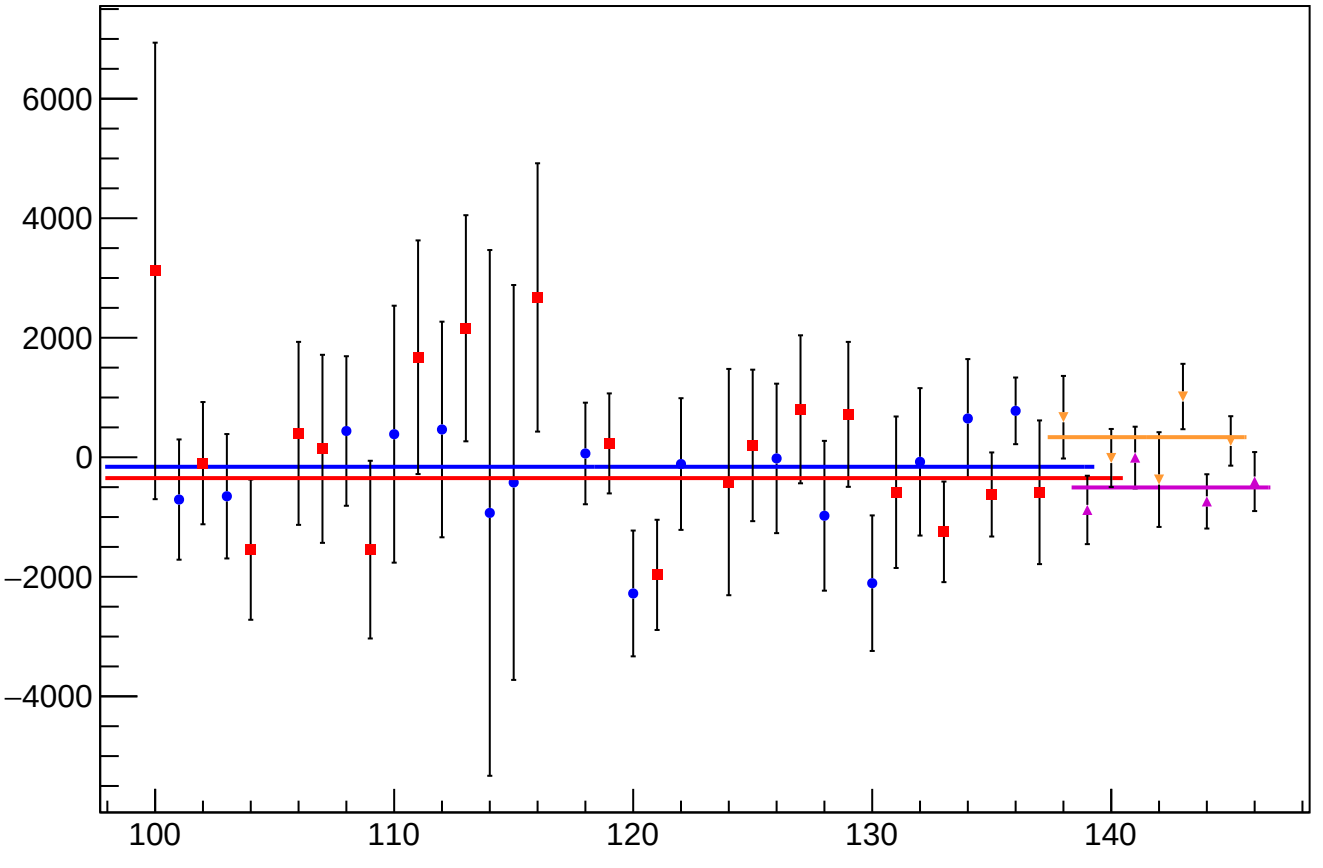
Left: 86.616+/-0.023 χ^2/NDF: 298754.8/8

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 101.398+/-0.023 χ^2/NDF:1003563.2/19

Out: 103.544+/-0.023 χ^2/NDF:1180833.2/23

All: 102.471+/-0.016 χ^2/NDF: 2188914.0/43



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 336.523+/-241.816 χ^2/NDF:3.1/4

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -504.969+/-251.977 χ^2/NDF:1.7/3

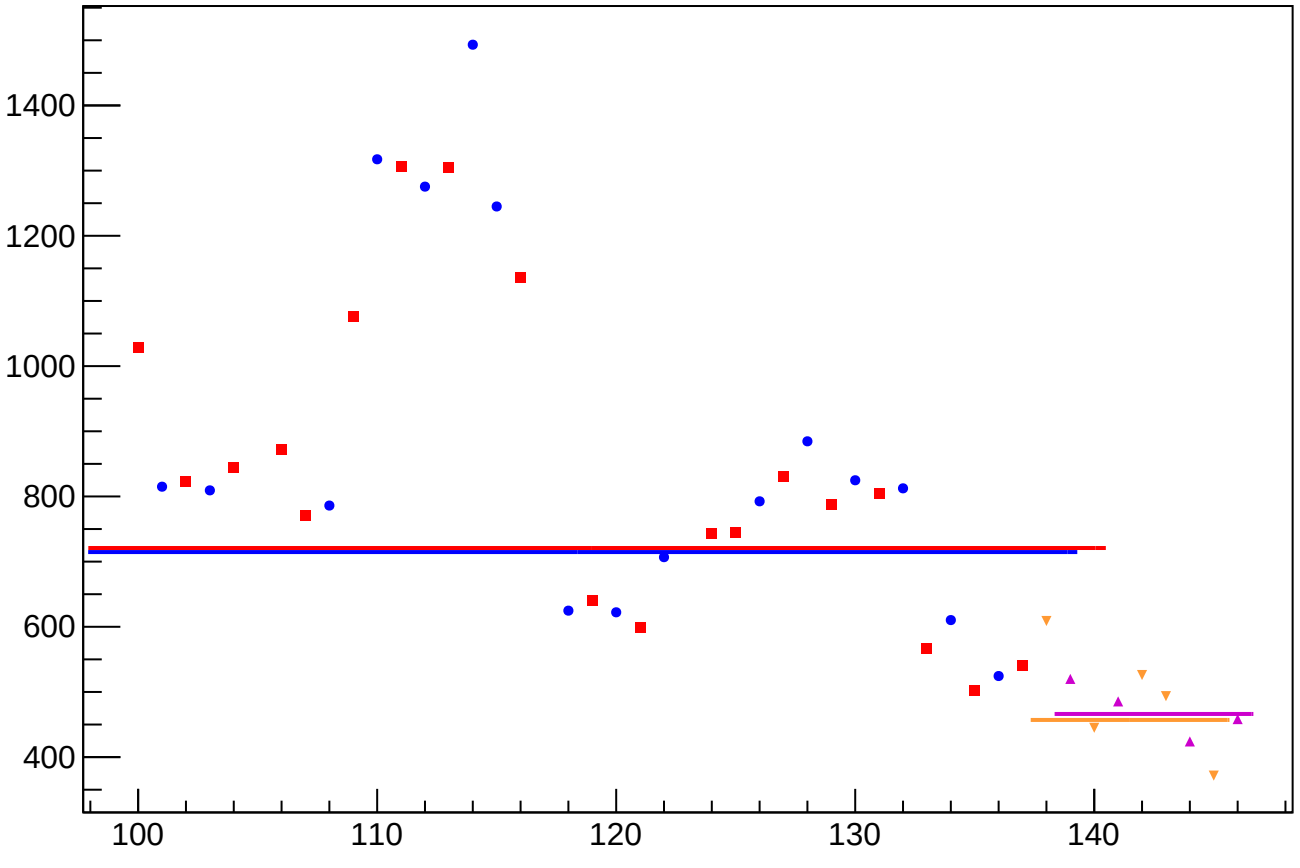
Left: -66.914+/-174.471 χ^2/NDF: 10.6/8

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -346.845+/-185.645 χ^2/NDF:14.5/19

Out: 36.077+/-181.188 χ^2/NDF:20.9/23

All: -150.732+/-129.667 χ^2/NDF: 37.6/43



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 457.051+/-0.171 χ^2/NDF:207061.2/4

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 466.234+/-0.178 χ^2/NDF:38189.3/3

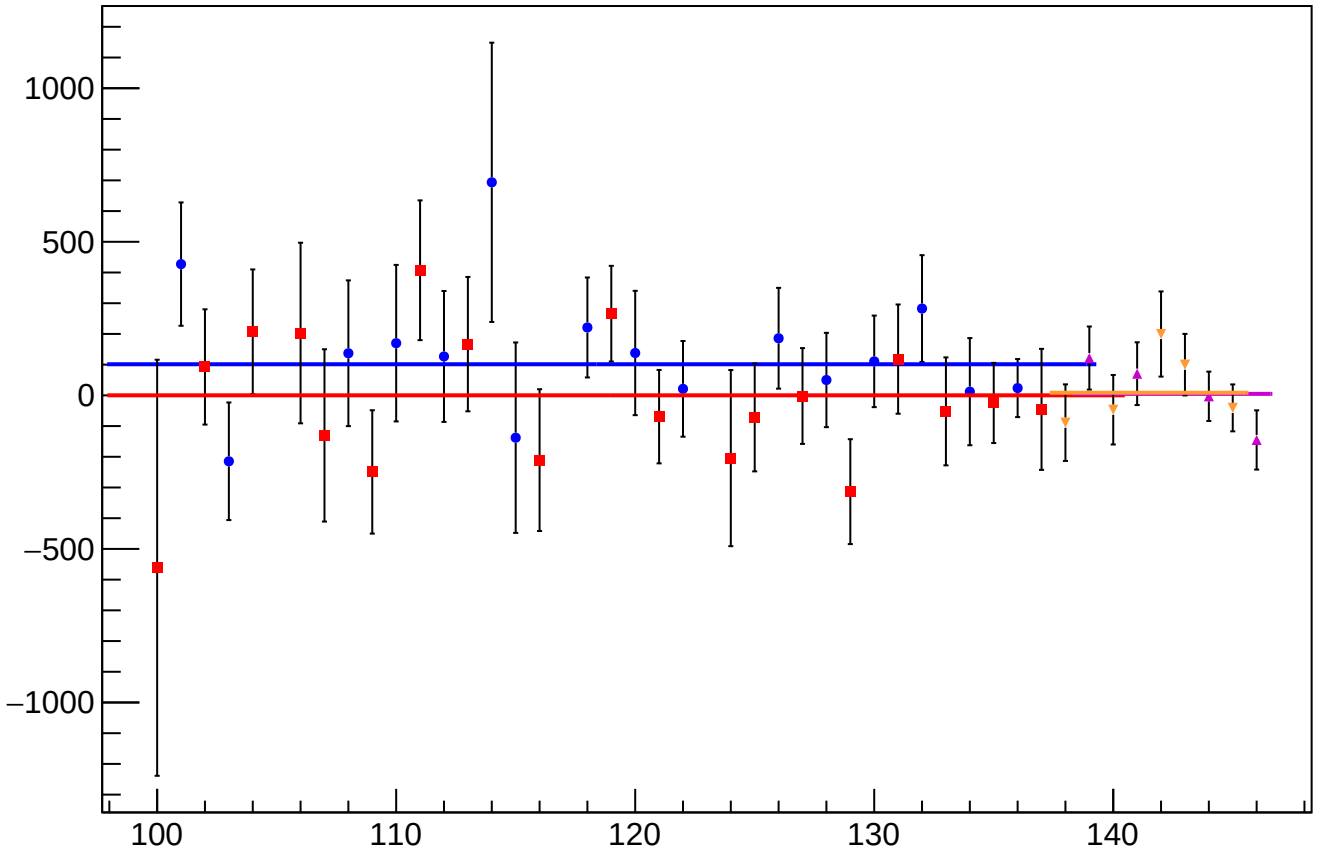
Left: 461.454+/-0.123 χ^2/NDF: 246633.3/8

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 579.816+/-0.131 χ^2/NDF:1803246.2/19

Out: 572.762+/-0.128 χ^2/NDF:2269649.3/23

All: 576.203+/-0.092 χ^2/NDF: 4074374.2/43



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 8.553+/-46.348 χ^2/NDF:4.0/4

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 4.824+/-46.983 χ^2/NDF:4.1/3

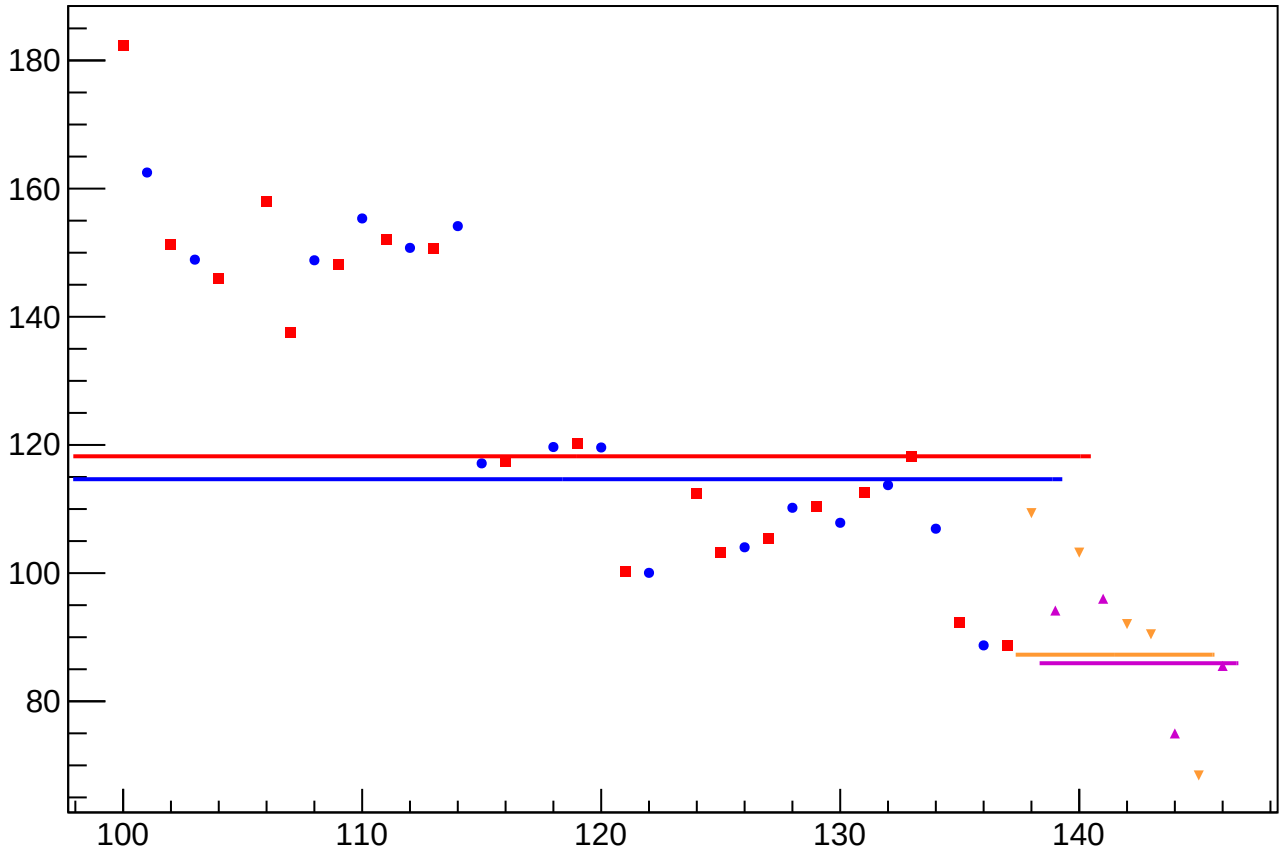
Left: 6.714+/-32.995 χ^2/NDF: 8.1/8

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 56.749+/-31.923 χ^2/NDF:17.4/19

Out: 4.123+/-31.924 χ^2/NDF:20.6/23

All: 30.436+/-22.573 χ^2/NDF: 39.4/43



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 87.274+/-0.033 χ^2/NDF:228494.0/4

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 85.941+/-0.033 χ^2/NDF:69449.7/3

Left: 86.616+/-0.023 χ^2/NDF: 298759.5/8

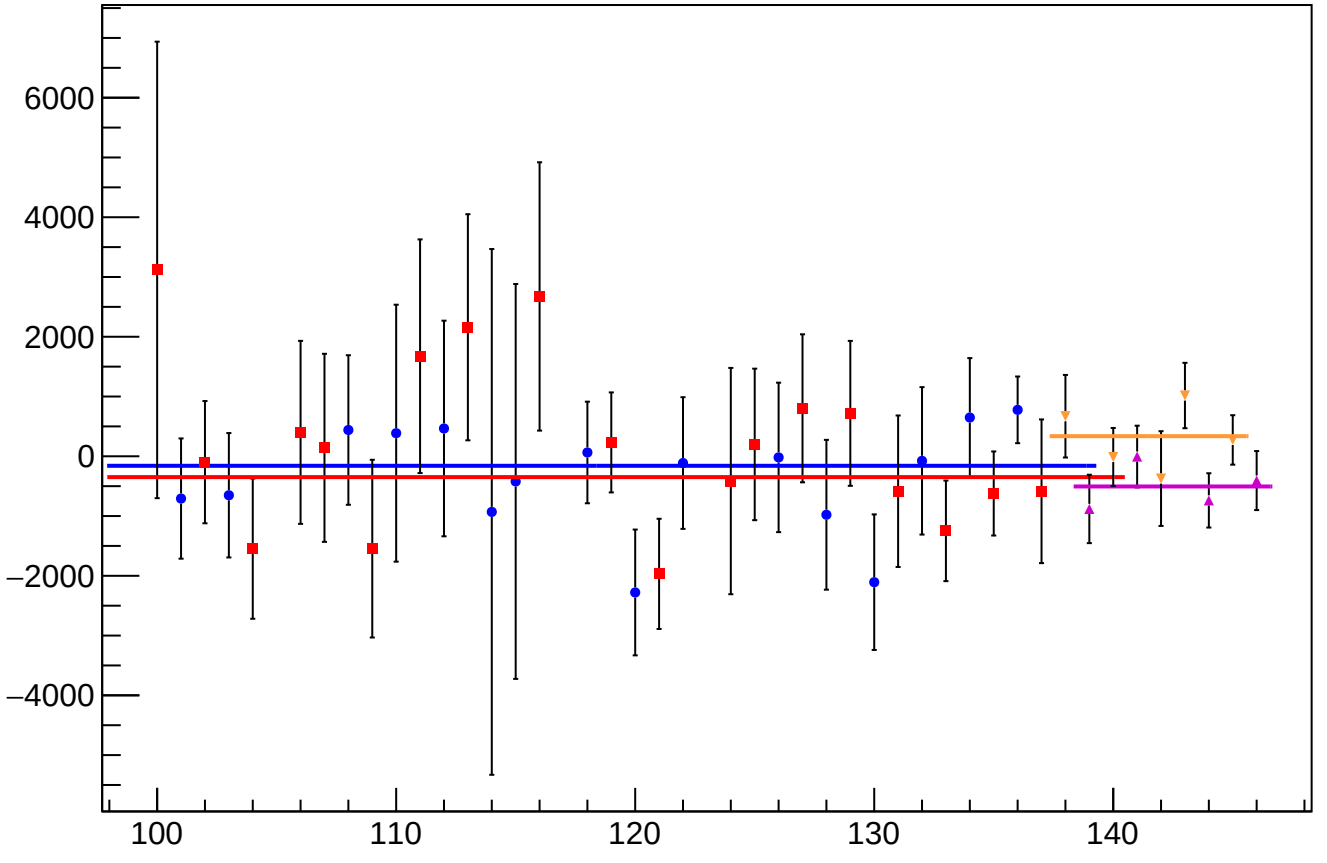
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 101.398+/-0.023 χ^2/NDF:1003552.1/19

Out: 103.544+/-0.023 χ^2/NDF:1180830.9/23

All: 102.471+/-0.016 χ^2/NDF: 2188900.1/43

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 336.522+/-241.816 χ^2/NDF:3.1/4

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -504.969+/-251.977 χ^2/NDF:1.7/3

Left: -66.914+/-174.471 χ^2/NDF: 10.6/8

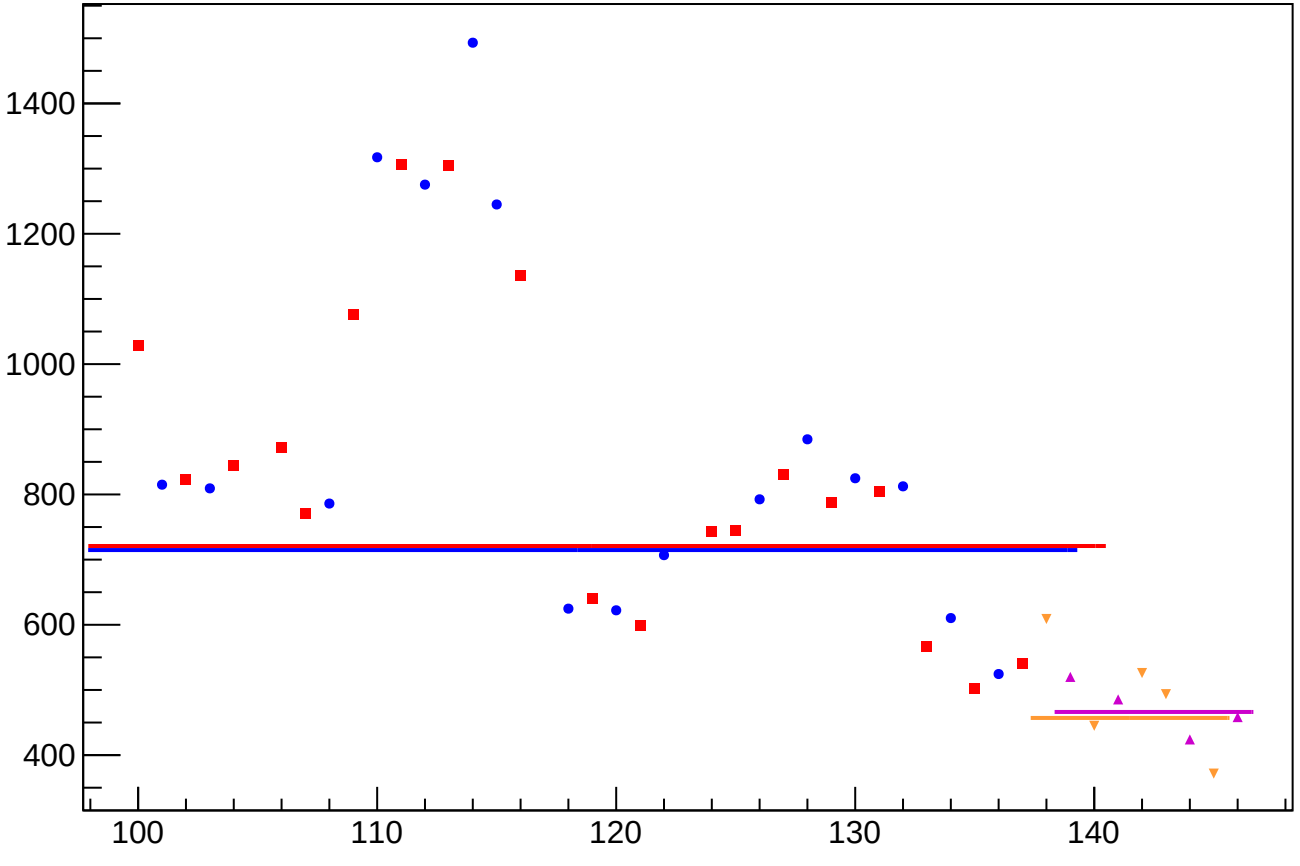
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -346.845+/-185.645 χ^2/NDF:14.5/19

Out: 36.076+/-181.188 χ^2/NDF:20.9/23

All: -150.733+/-129.666 χ^2/NDF: 37.6/43

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: 457.051+/-0.171 χ^2/NDF:207064.5/4

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 466.234+/-0.178 χ^2/NDF:38189.9/3

Left: 461.454+/-0.123 χ^2/NDF: 246637.2/8

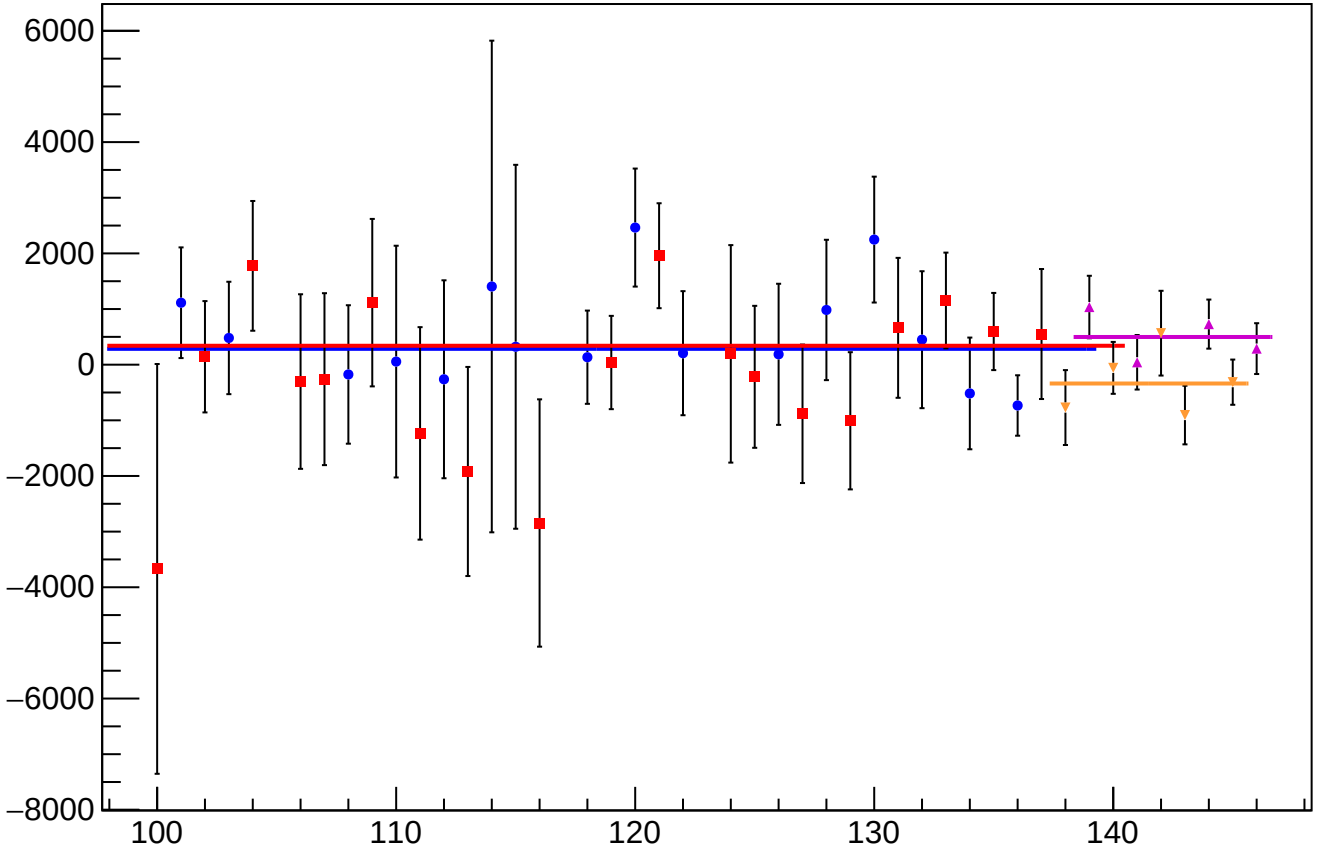
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 579.816+/-0.131 χ^2/NDF:1803239.1/19

Out: 572.762+/-0.128 χ^2/NDF:2269646.1/23

All: 576.203+/-0.092 χ^2/NDF: 4074364.1/43

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -338.378+/-234.454 χ^2/NDF:3.3/4

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 497.816+/-240.648 χ^2/NDF:2.3/3

Left: 68.819+/-167.931 χ^2/NDF: 11.8/8

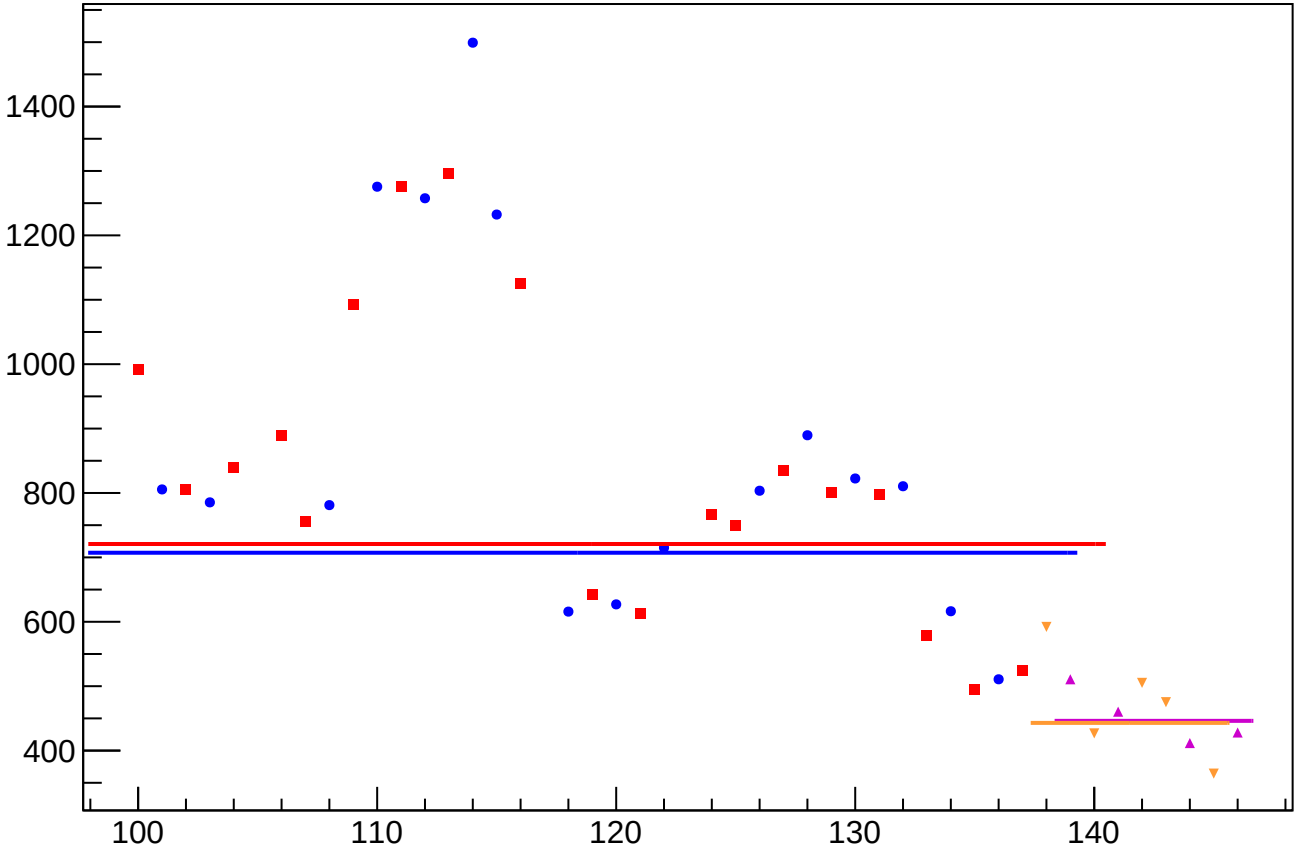
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 404.256+/-180.218 χ^2/NDF:15.4/19

Out: -51.144+/-178.031 χ^2/NDF:21.0/23

All: 173.776+/-126.653 χ^2/NDF: 39.6/43

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 443.010+/-0.166 χ^2/NDF:196473.6/4

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 446.179+/-0.170 χ^2/NDF:43463.6/3

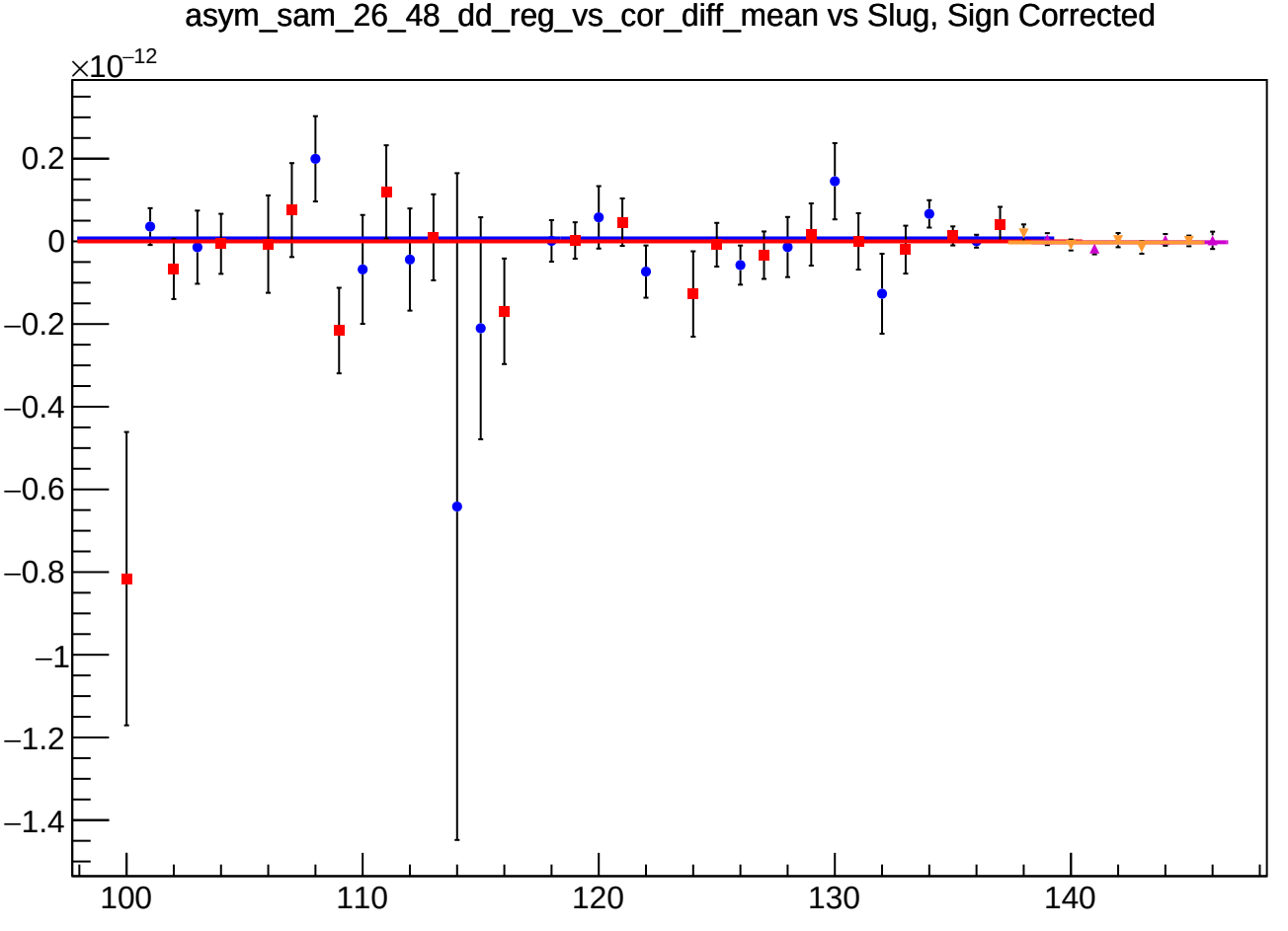
Left: 444.553+/-0.119 χ^2/NDF: 240115.1/8

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 560.816+/-0.127 χ^2/NDF:1973589.2/19

Out: 560.617+/-0.126 χ^2/NDF:2400340.9/23

All: 560.715+/-0.090 χ^2/NDF: 4373931.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

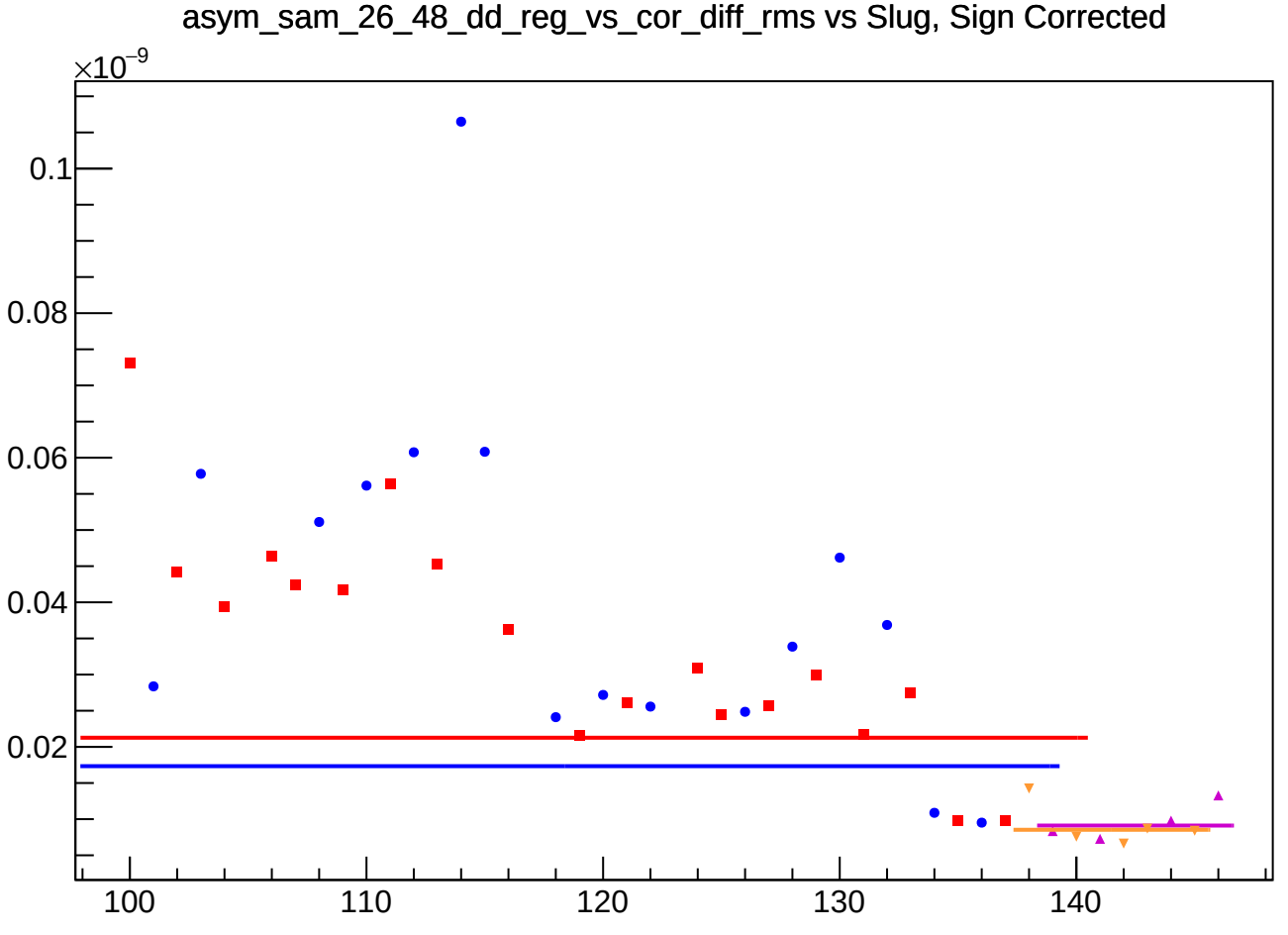
Left: -0.000+/-0.000 χ^2/NDF: 3.6/8

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:19.4/19

Out: -0.000+/-0.000 χ^2/NDF:19.8/23

All: -0.000+/-0.000 χ^2/NDF: 39.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:172182.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:123137.4/3

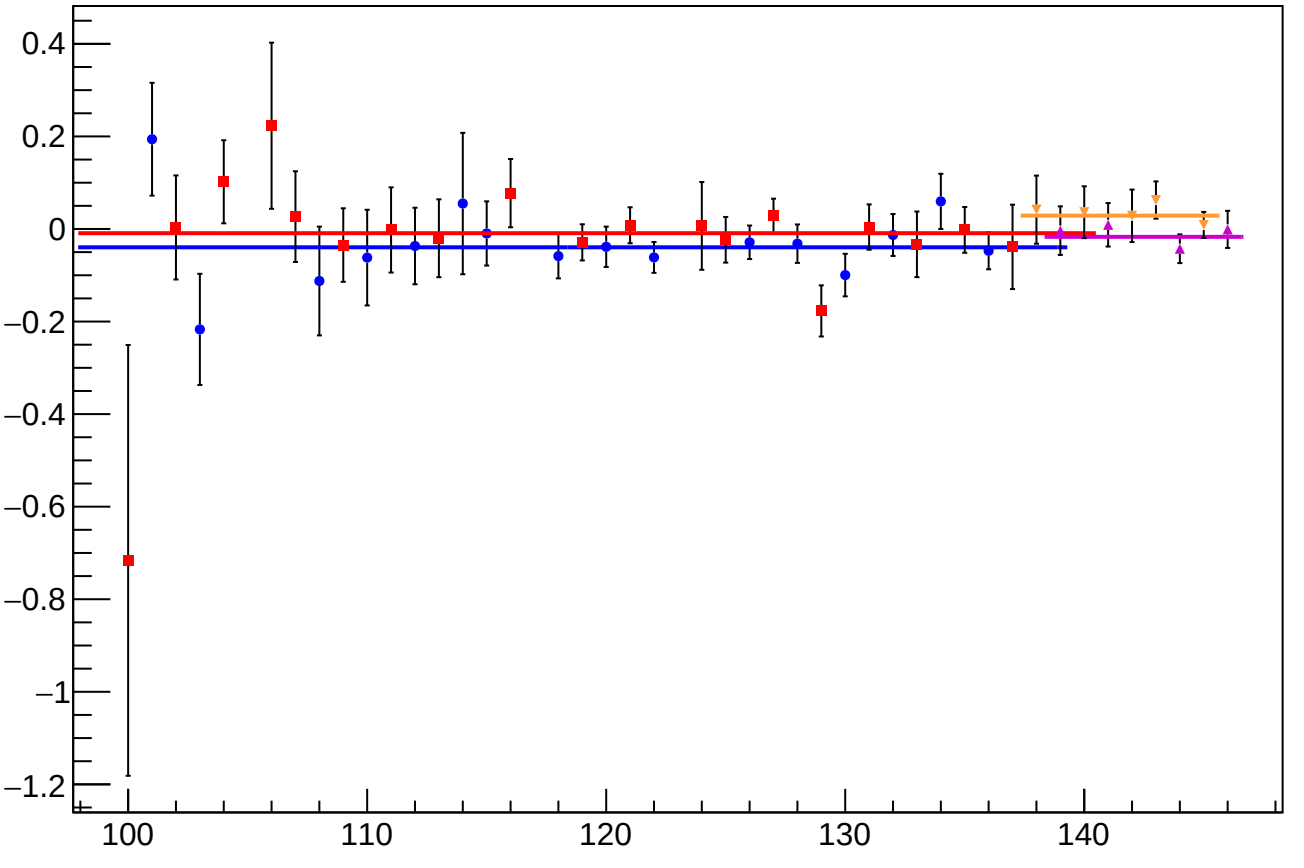
Left: 0.000+/-0.000 χ^2/NDF: 301804.3/8

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3201829.7/19

Out: 0.000+/-0.000 χ^2/NDF:3277559.7/23

All: 0.000+/-0.000 χ^2/NDF: 6485397.1/43



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.019 χ^2/NDF:1.3/4

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.017+/-0.020 χ^2/NDF:1.2/3

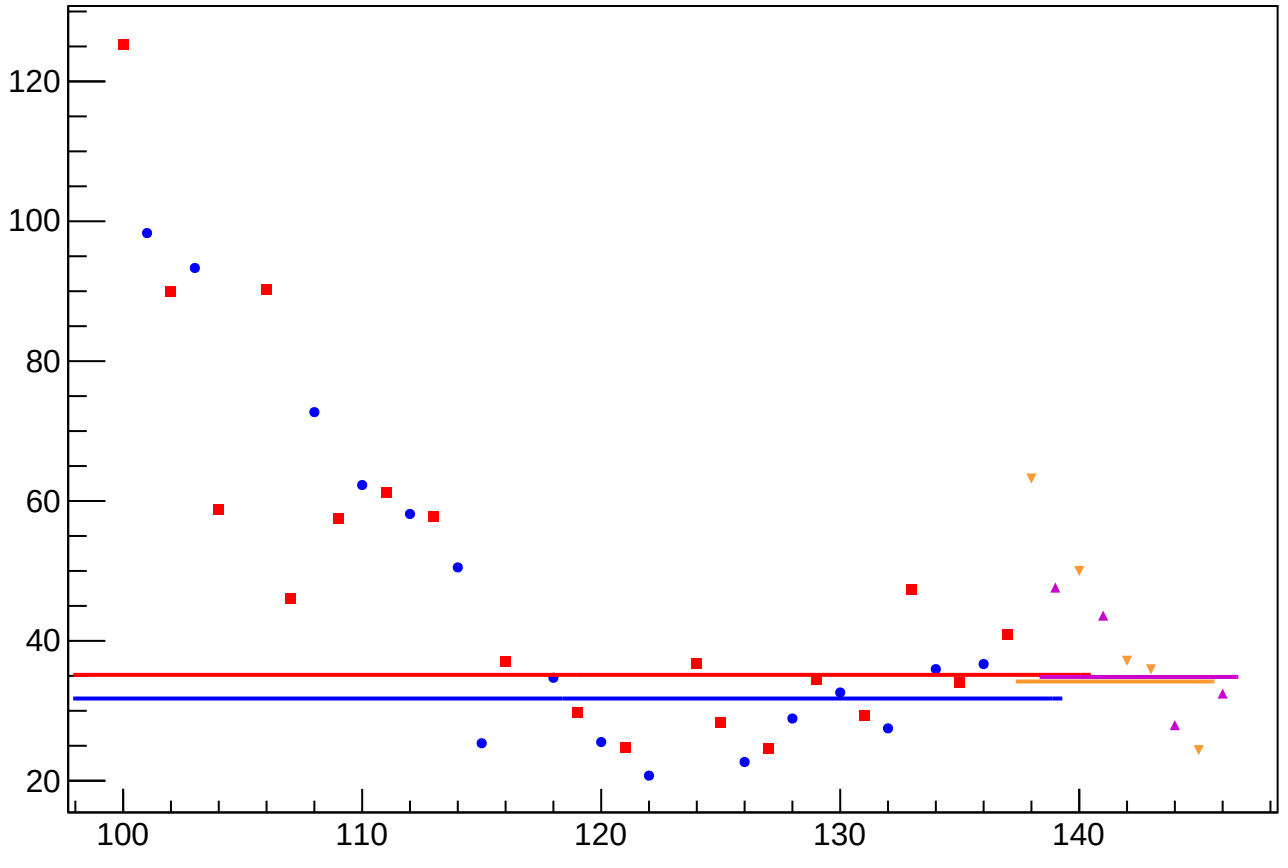
Left: 0.007+/-0.014 χ^2/NDF: 5.2/8

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.011 χ^2/NDF:14.5/19

Out: 0.004+/-0.011 χ^2/NDF:22.1/23

All: -0.015+/-0.008 χ^2/NDF: 42.0/43



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 34.189+/-0.014 χ^2/NDF:722124.3/4

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293509.0/3

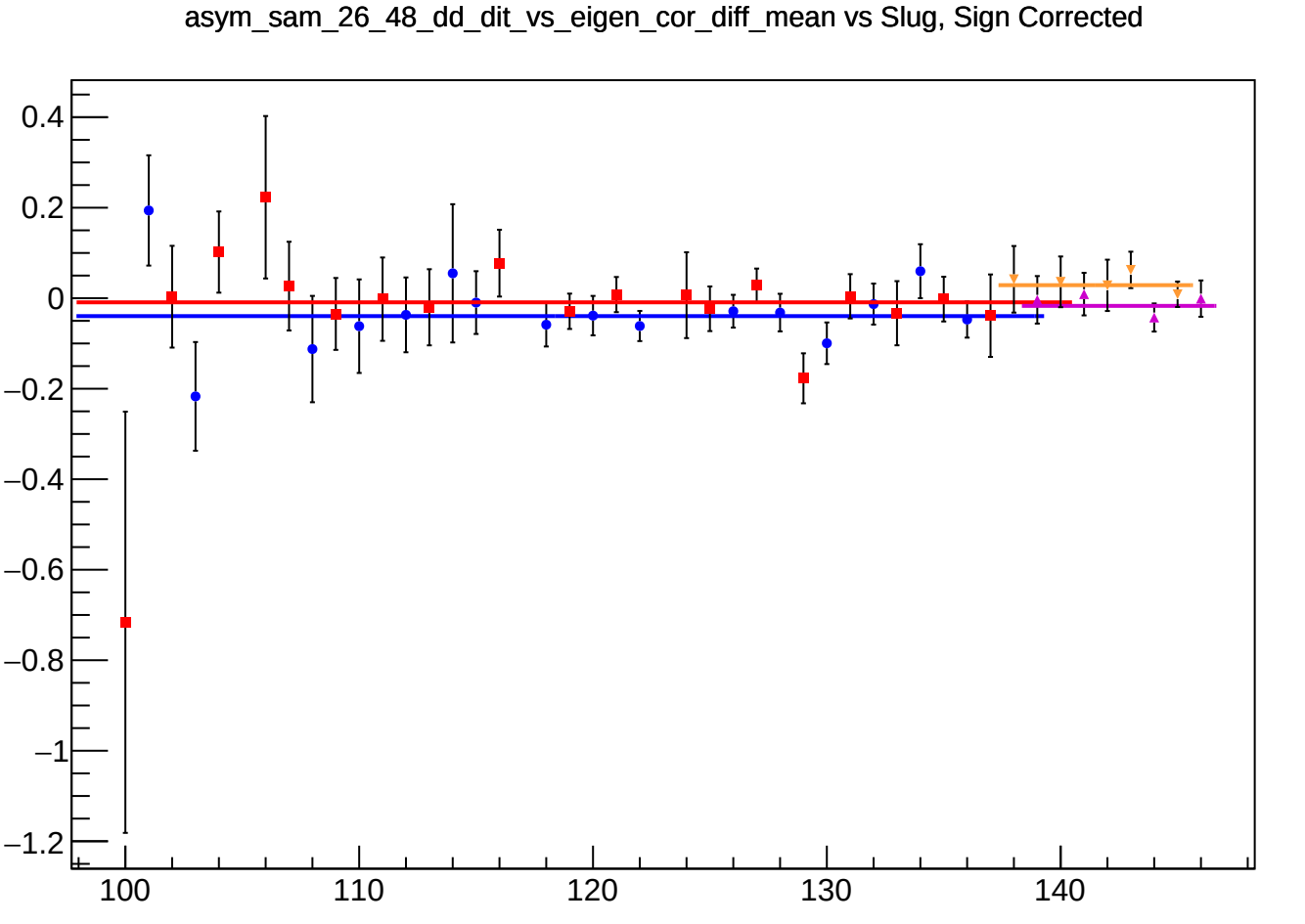
Left: 34.501+/-0.010 χ^2/NDF: 1016722.0/8

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 32.680+/-0.008 χ^2/NDF:2578833.2/19

Out: 34.806+/-0.008 χ^2/NDF:2569956.3/23

All: 33.705+/-0.006 χ^2/NDF: 5184720.3/43



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.019 χ^2/NDF:1.3/4

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.017+/-0.020 χ^2/NDF:1.2/3

Left: 0.007+/-0.014 χ^2/NDF: 5.2/8

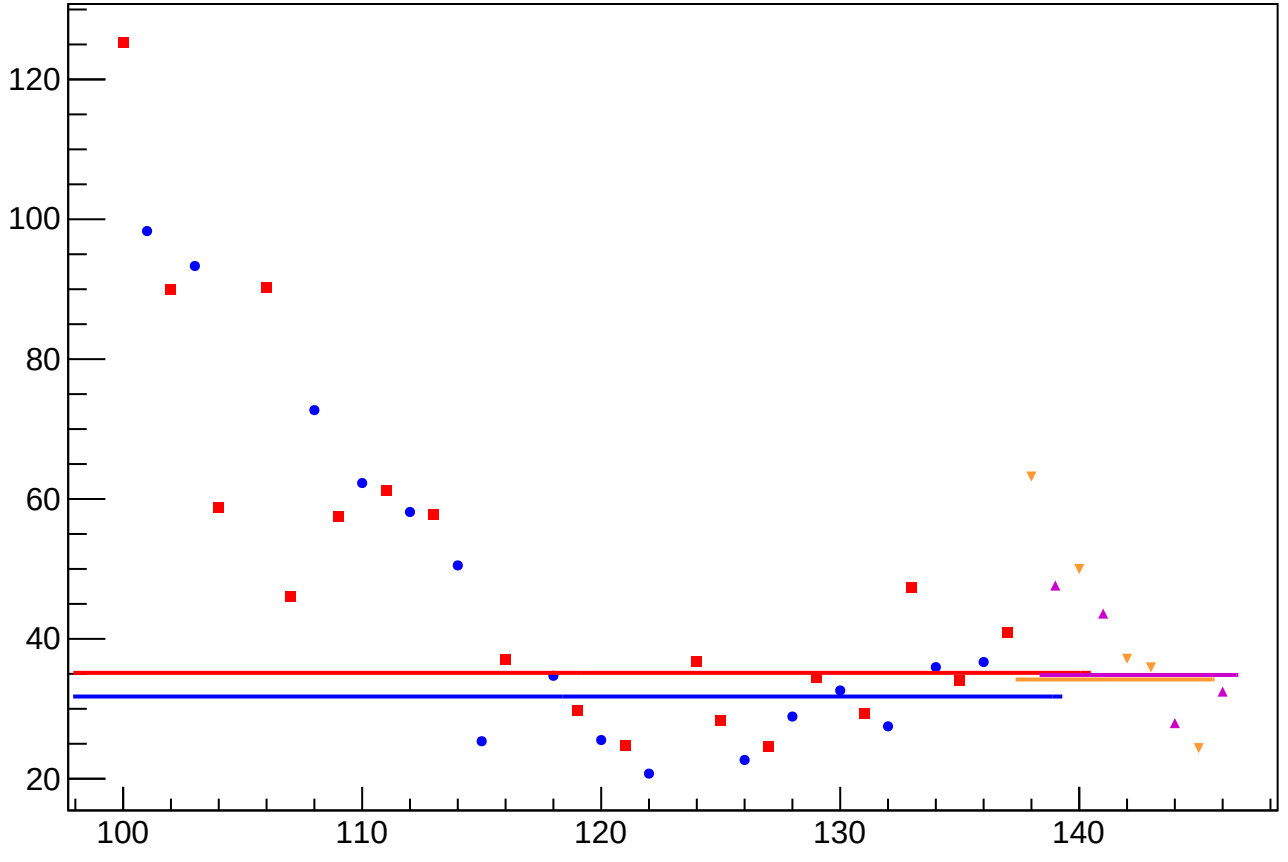
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.011 χ^2/NDF:14.5/19

Out: 0.004+/-0.011 χ^2/NDF:22.1/23

All: -0.015+/-0.008 χ^2/NDF: 42.0/43

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: 34.189+/-0.014 χ^2/NDF:722124.3/4

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293509.0/3

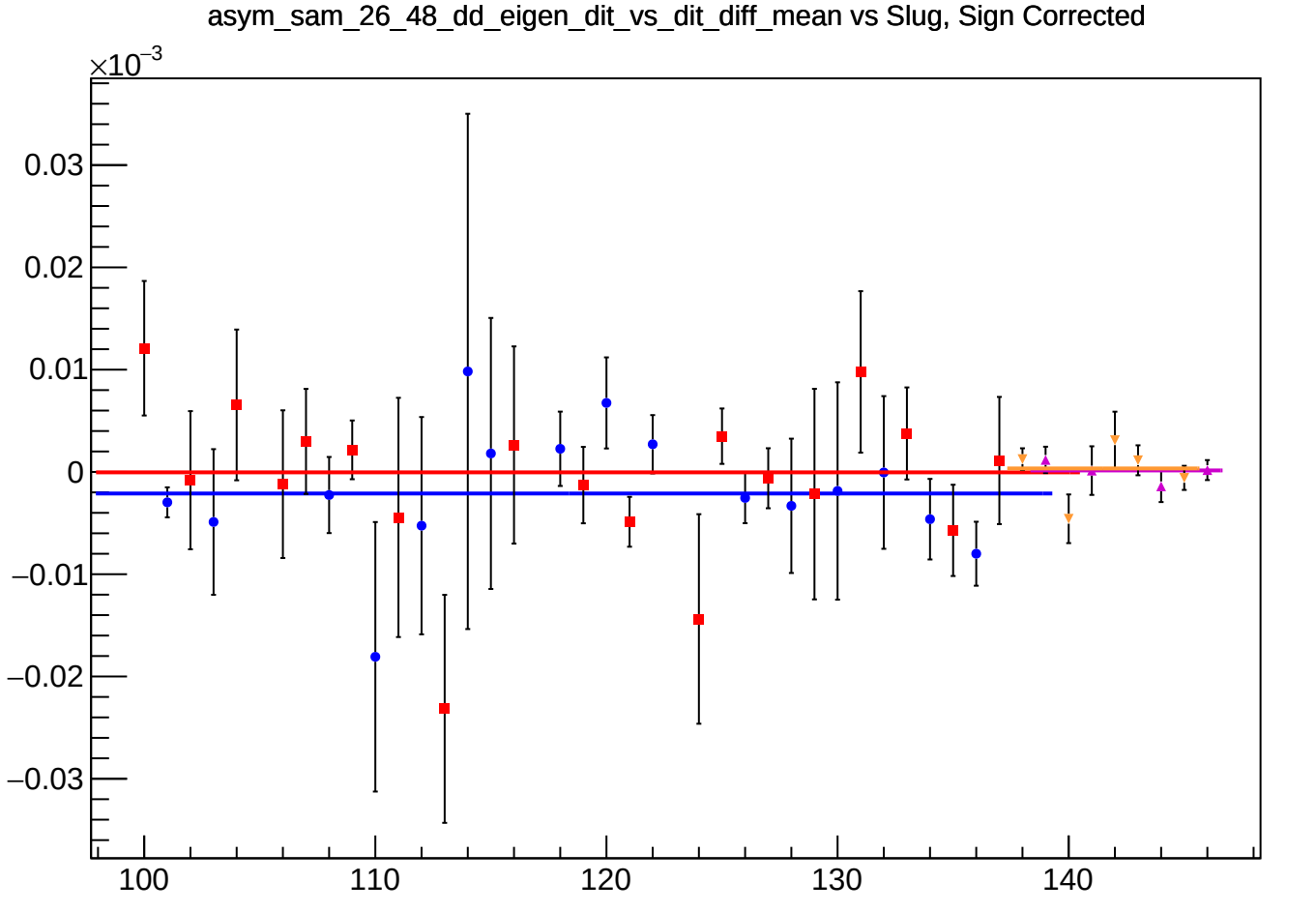
Left: 34.501+/-0.010 χ^2/NDF: 1016722.0/8

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 32.680+/-0.008 χ^2/NDF:2578833.2/19

Out: 34.806+/-0.008 χ^2/NDF:2569956.3/23

All: 33.705+/-0.006 χ^2/NDF: 5184720.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/4

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

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

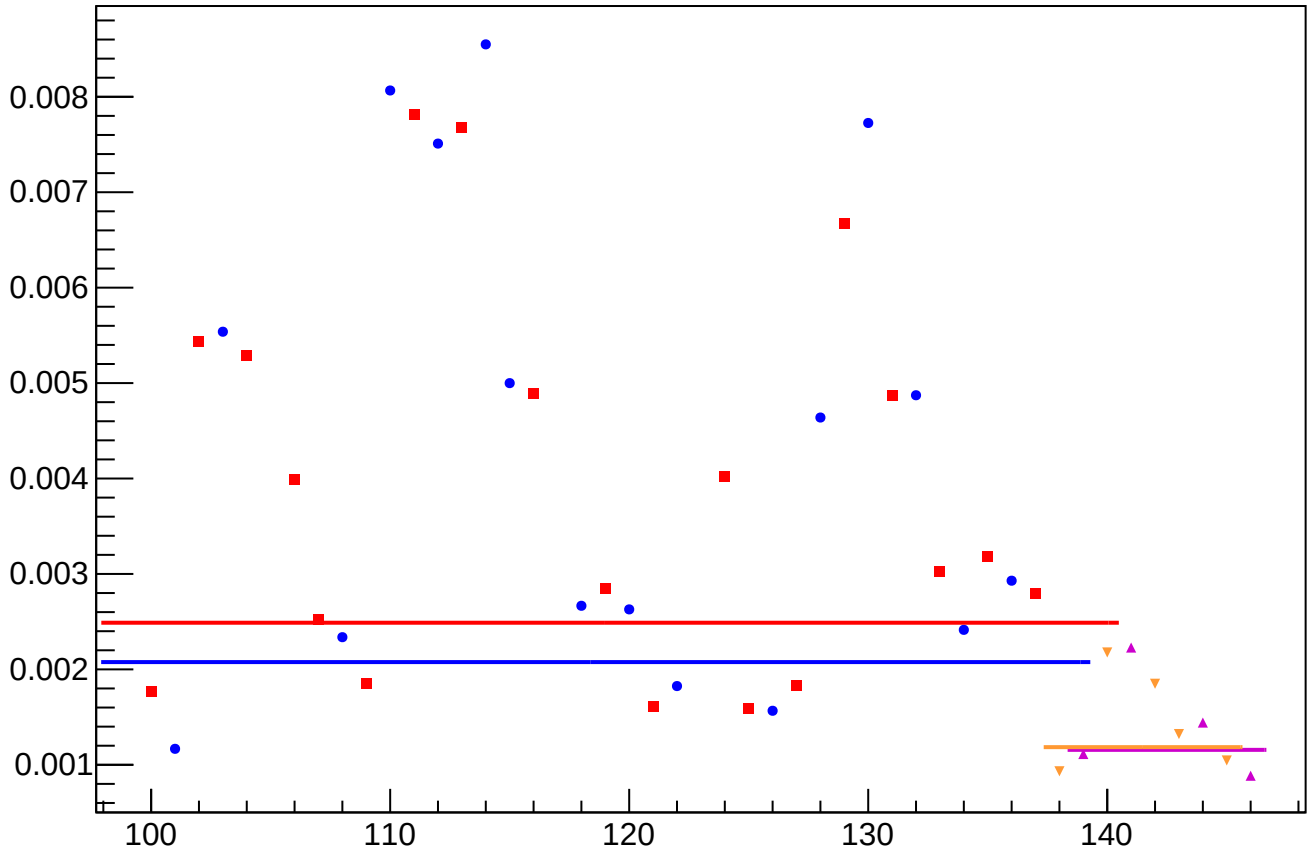
Left: 0.000+/-0.000 χ^2/NDF: 8.6/8

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:20.4/19

Out: 0.000+/-0.000 χ^2/NDF:28.4/23

All: -0.000+/-0.000 χ^2/NDF: 50.1/43



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:620178.3/4

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:632317.1/3

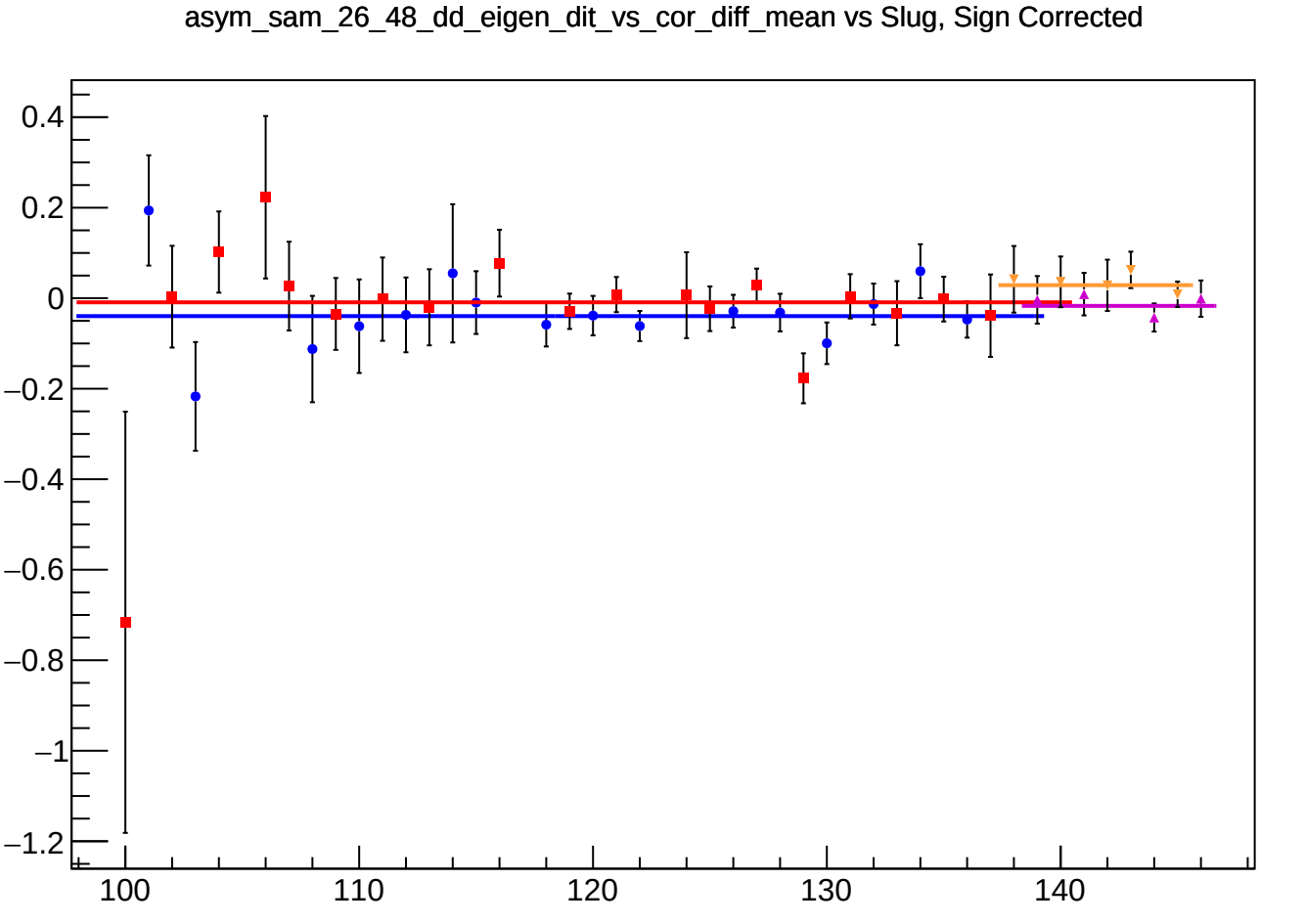
Left: 0.001+/-0.000 χ^2/NDF: 1254353.5/8

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:5879454.7/19

Out: 0.002+/-0.000 χ^2/NDF:5969153.5/23

All: 0.002+/-0.000 χ^2/NDF: 11865506.0/43



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.019 χ^2/NDF:1.3/4

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.017+/-0.020 χ^2/NDF:1.2/3

Left: 0.007+/-0.014 χ^2/NDF: 5.2/8

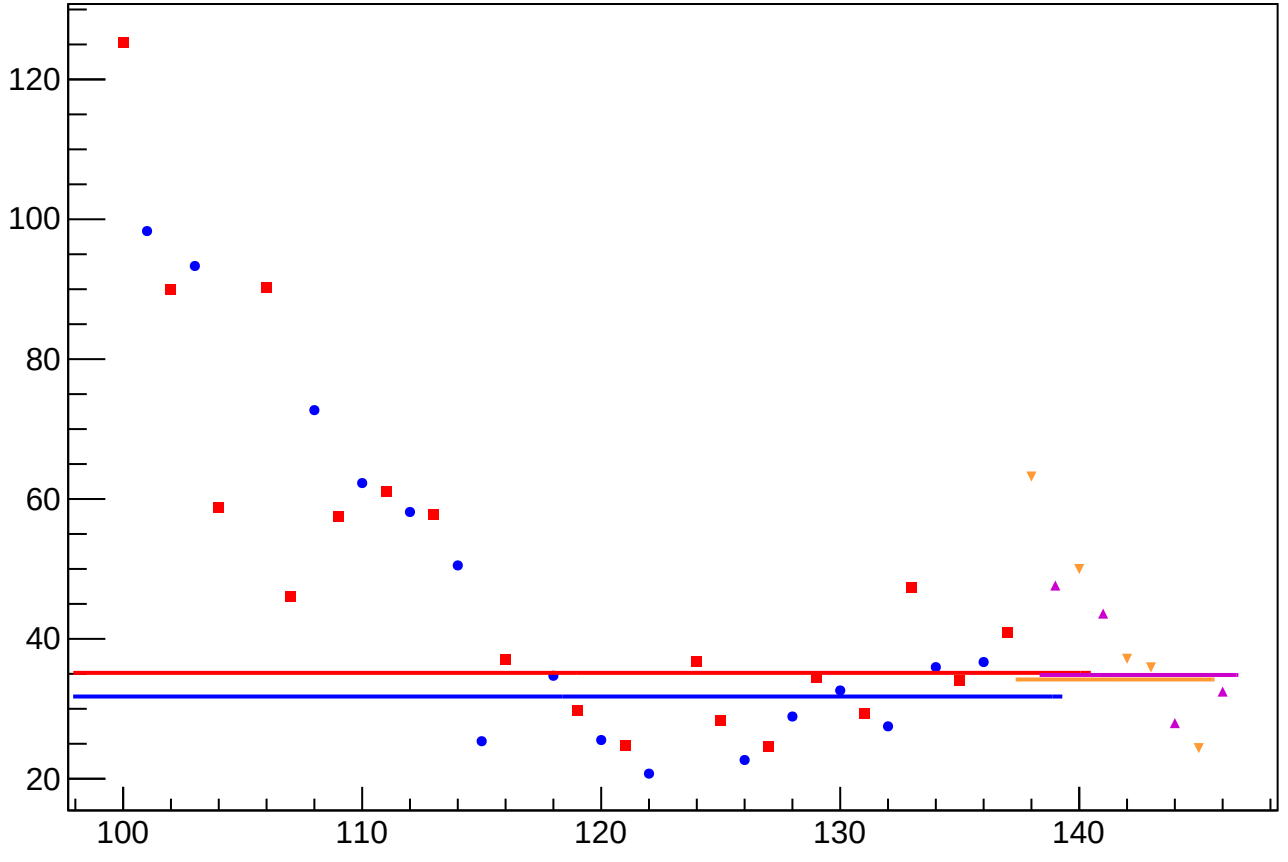
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.011 χ^2/NDF:14.5/19

Out: 0.004+/-0.011 χ^2/NDF:22.1/23

All: -0.015+/-0.008 χ^2/NDF: 42.0/43

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 34.189+/-0.014 χ^2/NDF:722164.0/4

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293518.4/3

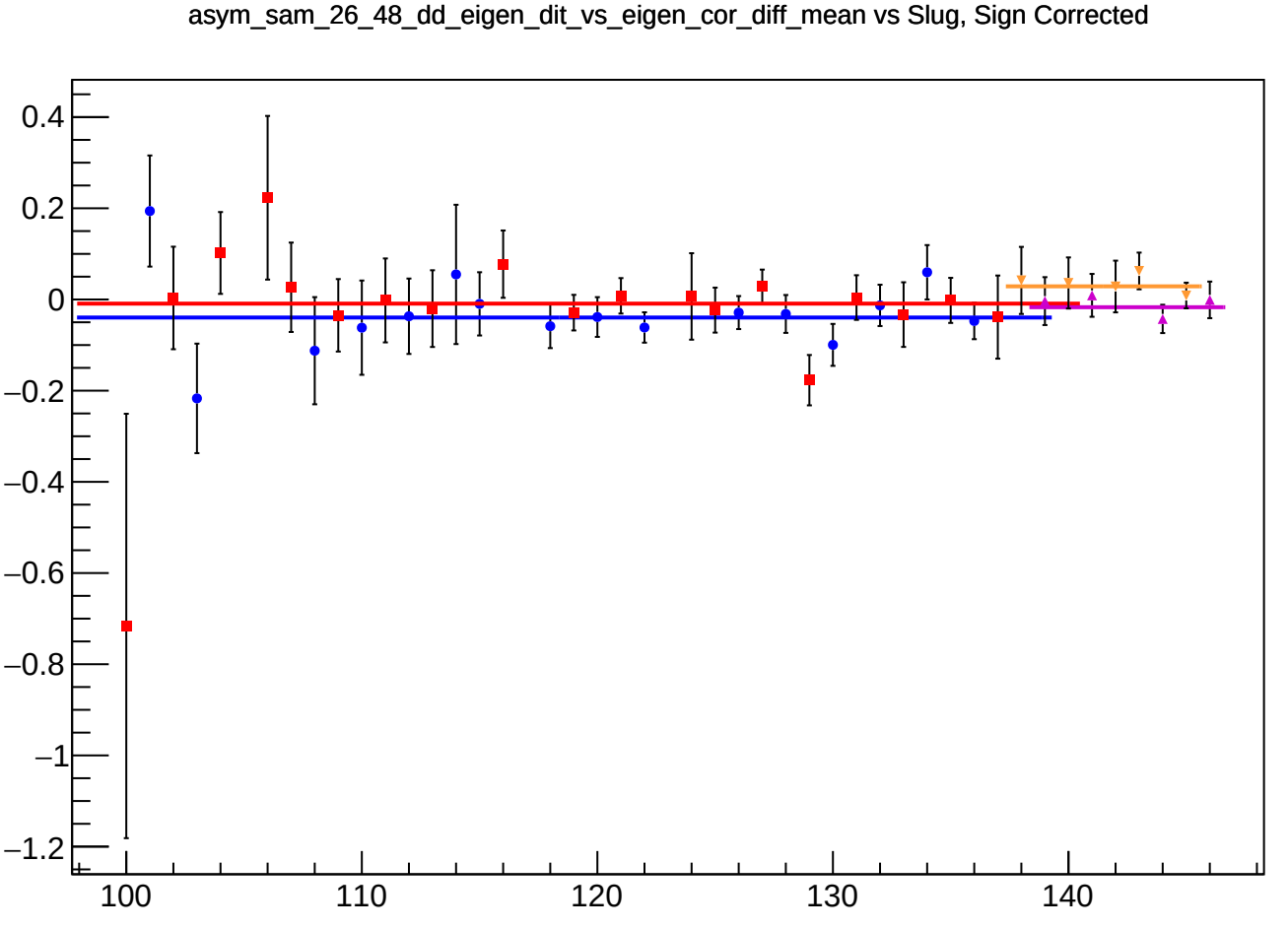
Left: 34.500+/-0.010 χ^2/NDF: 1016771.9/8

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 32.681+/-0.008 χ^2/NDF:2578809.7/19

Out: 34.806+/-0.008 χ^2/NDF:2569896.5/23

All: 33.705+/-0.006 χ^2/NDF: 5184634.9/43



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.029+/-0.019 χ^2/NDF:1.3/4

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.017+/-0.020 χ^2/NDF:1.2/3

Left: 0.007+/-0.014 χ^2/NDF: 5.2/8

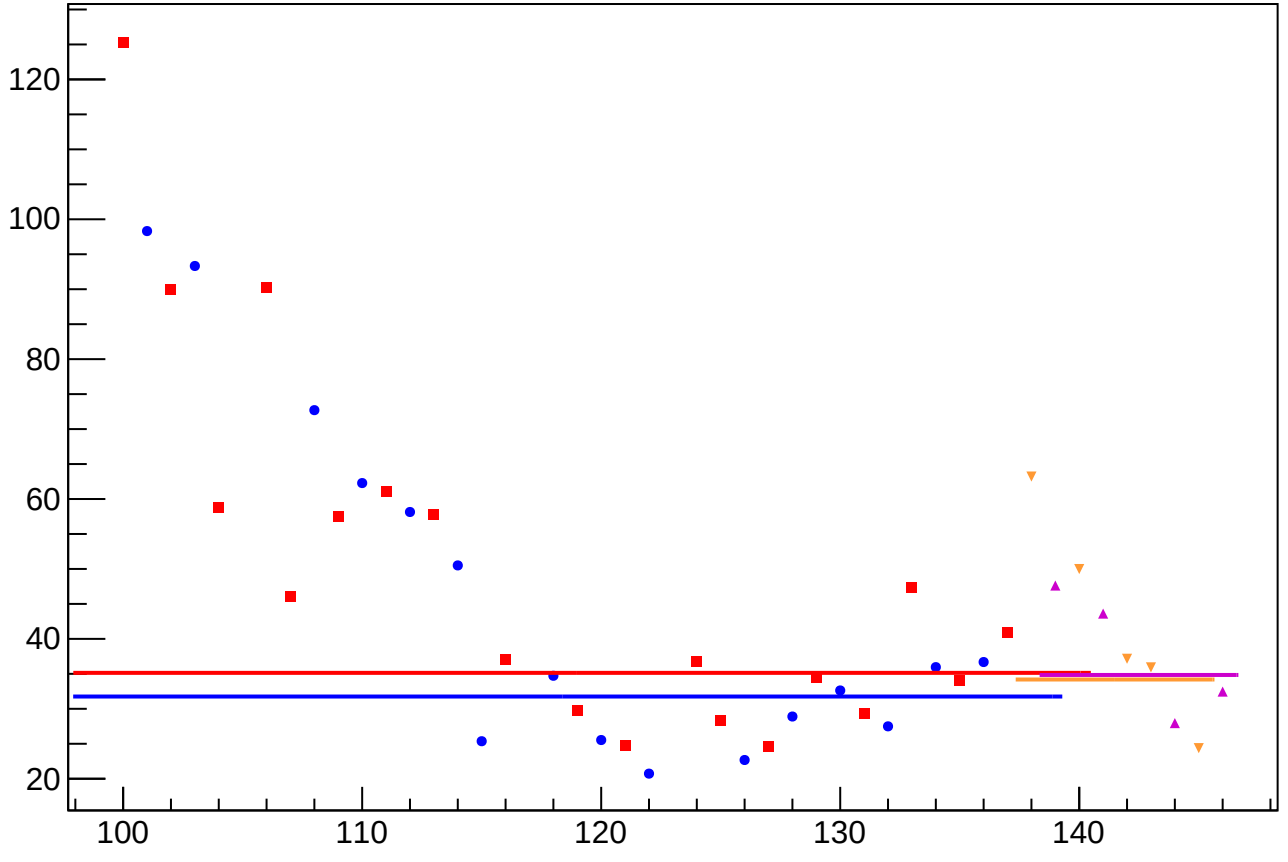
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.011 χ^2/NDF:14.5/19

Out: 0.004+/-0.011 χ^2/NDF:22.1/23

All: -0.015+/-0.008 χ^2/NDF: 42.0/43

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: 34.189+/-0.014 χ^2/NDF:722164.0/4

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293518.4/3

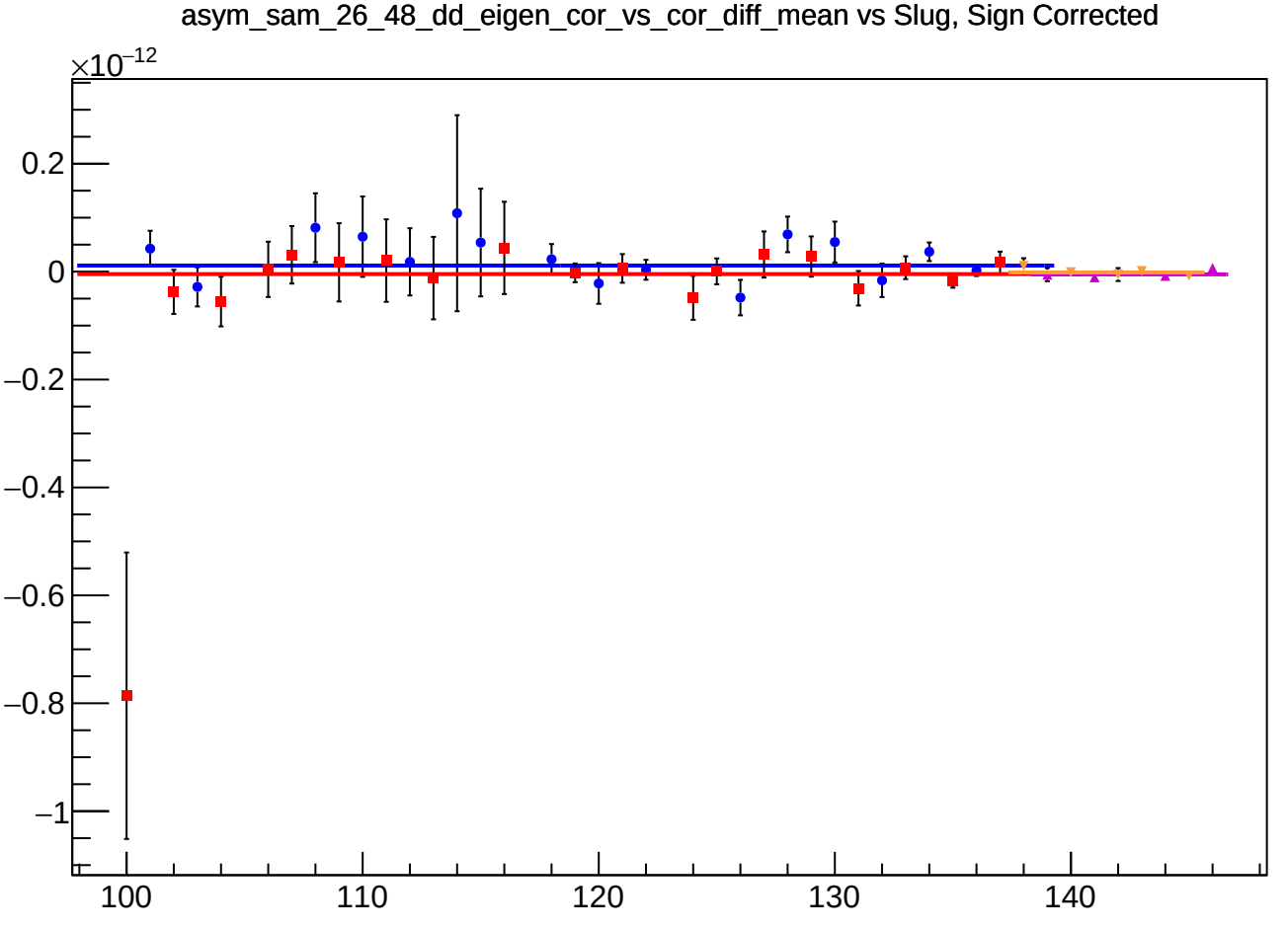
Left: 34.500+/-0.010 χ^2/NDF: 1016771.9/8

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 32.681+/-0.008 χ^2/NDF:2578809.7/19

Out: 34.806+/-0.008 χ^2/NDF:2569896.5/23

All: 33.705+/-0.006 χ^2/NDF: 5184634.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/3

Left: -0.000+/-0.000 χ^2/NDF: 4.5/8

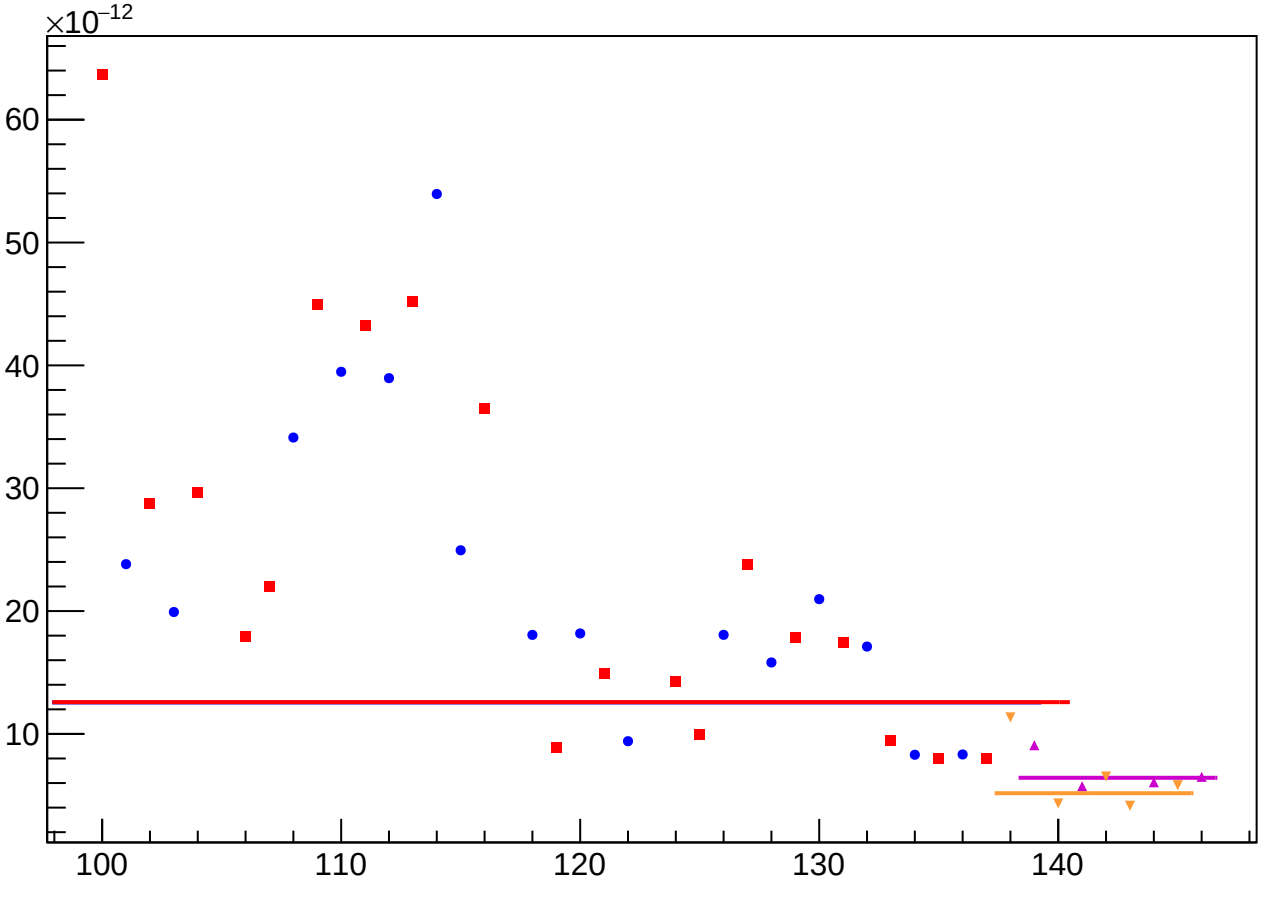
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:23.8/19

Out: -0.000+/-0.000 χ^2/NDF:19.2/23

All: -0.000+/-0.000 χ^2/NDF: 43.2/43

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:499141.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:115771.0/3

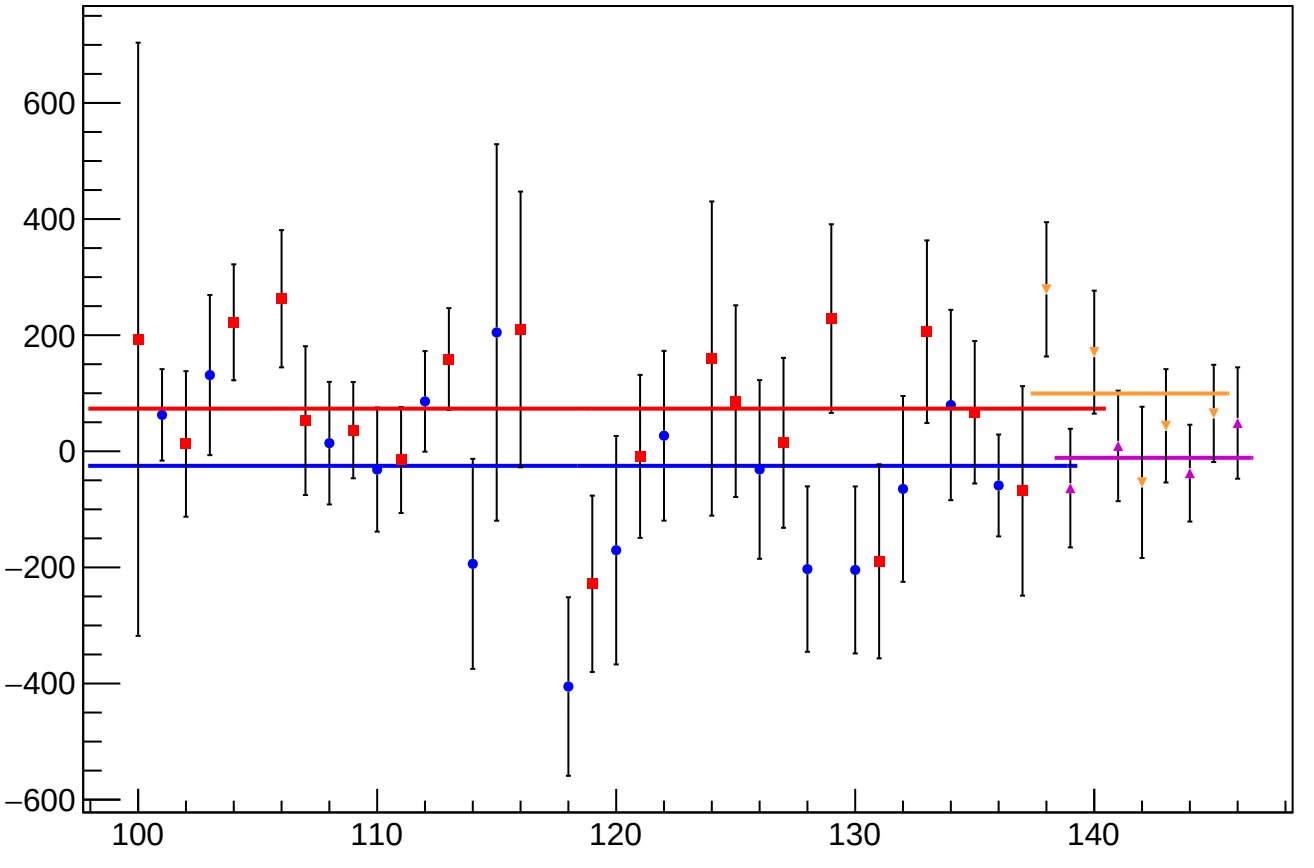
Left: 0.000+/-0.000 χ^2/NDF: 719060.4/8

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:3539629.6/19

Out: 0.000+/-0.000 χ^2/NDF:5201989.2/23

All: 0.000+/-0.000 χ^2/NDF: 8955940.0/43



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 99.551+/-46.110 χ^2/NDF:4.7/4

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: -11.273+/-46.699 χ^2/NDF:0.8/3

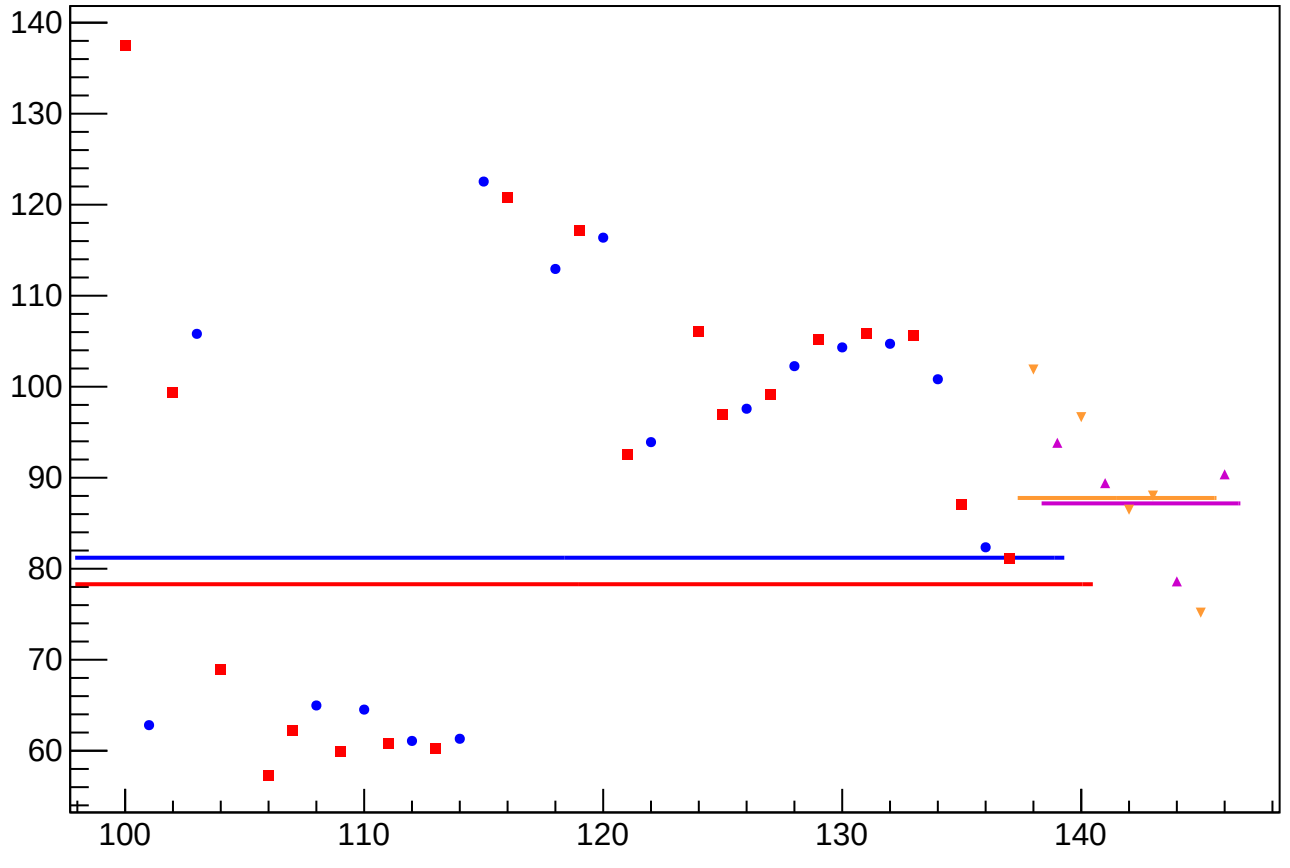
Left: 44.842+/-32.811 χ^2/NDF: 8.4/8

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -20.808+/-25.960 χ^2/NDF:17.1/19

Out: 81.194+/-25.108 χ^2/NDF:21.7/23

All: 31.895+/-18.048 χ^2/NDF: 46.8/43



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 87.775+/-0.033 χ^2/NDF:89319.7/4

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

Left: 87.481+/-0.023 χ^2/NDF: 122395.6/8

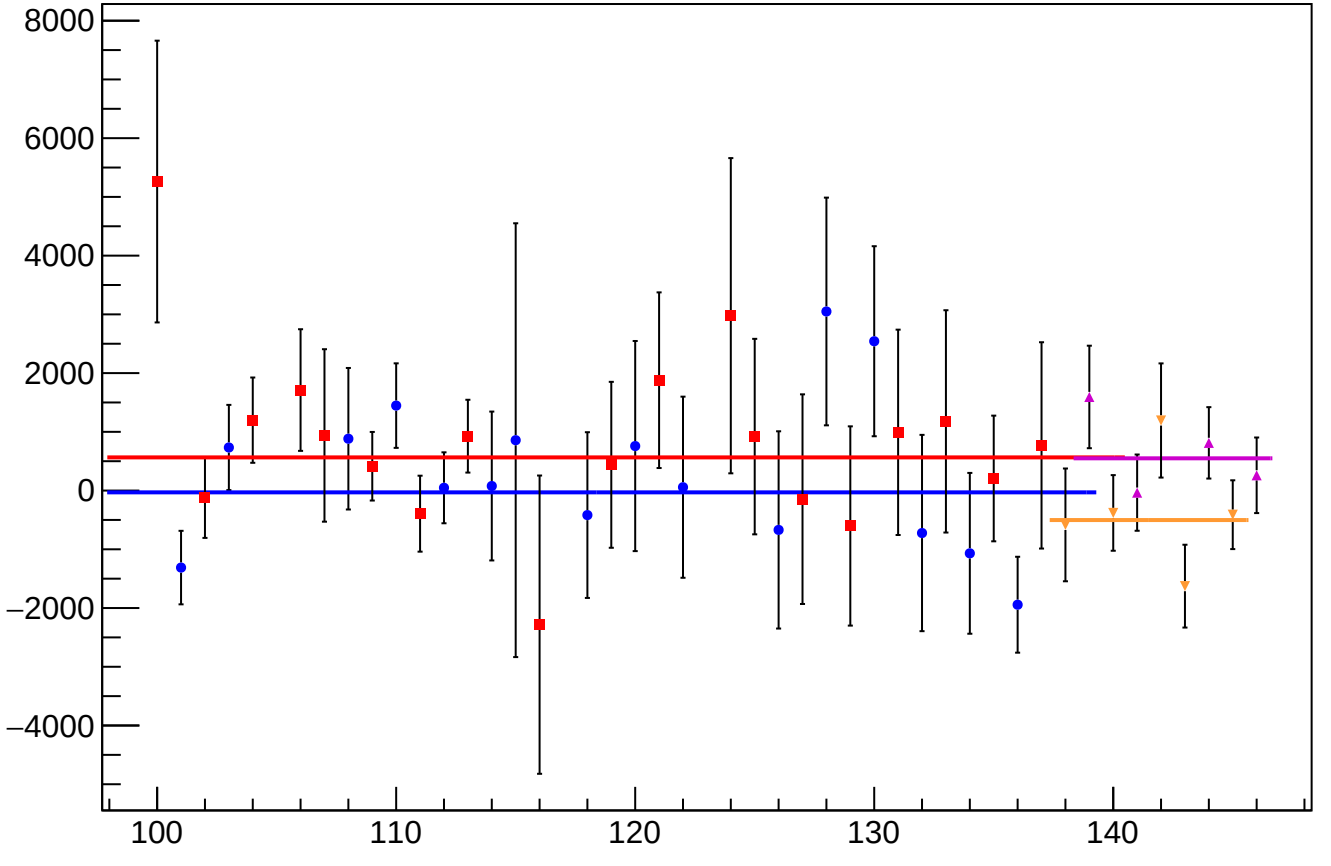
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 83.054+/-0.018 χ^2/NDF:843168.1/19

Out: 81.108+/-0.018 χ^2/NDF:1083432.4/23

All: 82.049+/-0.013 χ^2/NDF: 1932409.0/43

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: -501.997+/-324.749 χ^2/NDF:5.7/4

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 549.045+/-336.940 χ^2/NDF:2.6/3

Left: 4.166+/-233.823 χ^2/NDF: 13.3/8

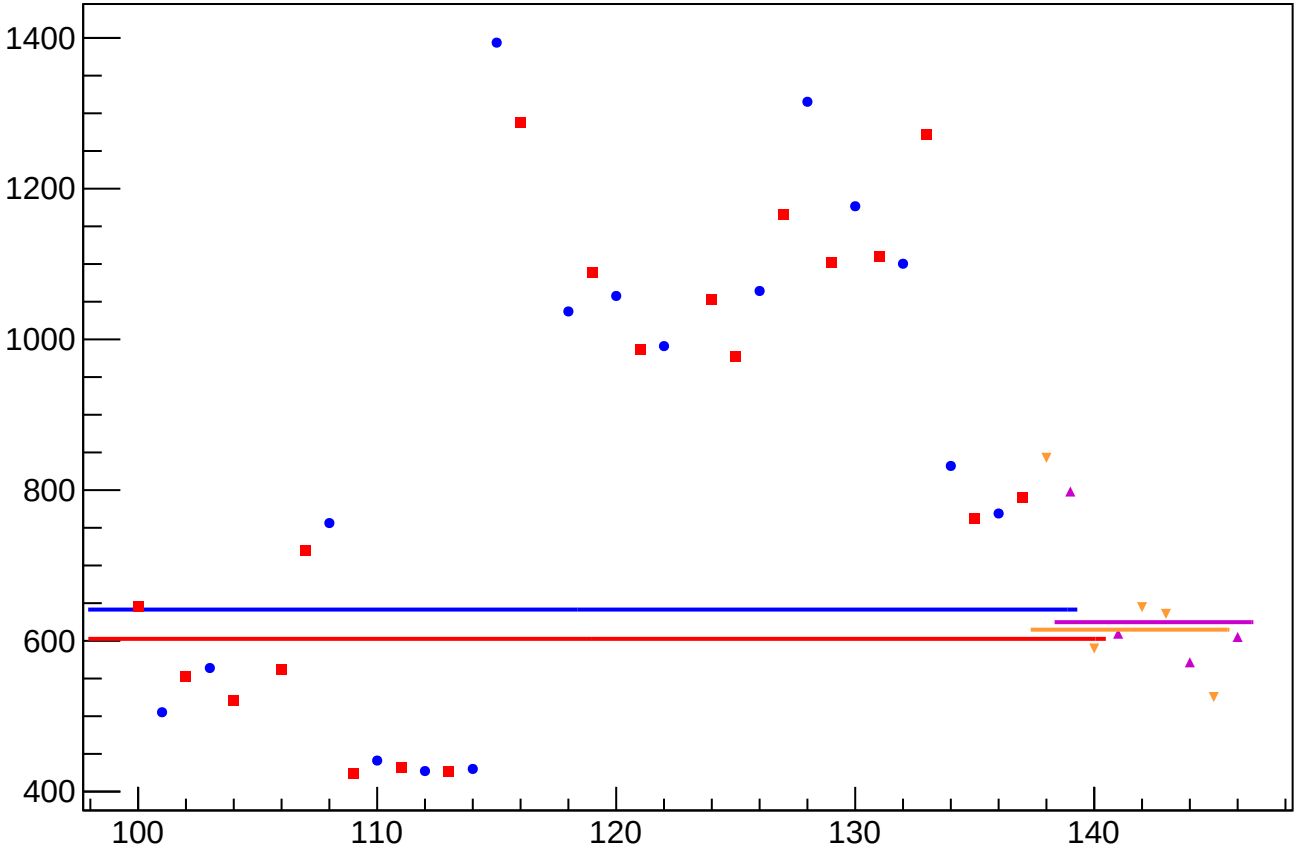
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 182.716+/-204.343 χ^2/NDF:26.4/19

Out: 191.090+/-192.224 χ^2/NDF:26.0/23

All: 187.158+/-140.011 χ^2/NDF: 52.3/43

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 614.826+/-0.230 χ^2/NDF:166079.2/4

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 624.791+/-0.238 χ^2/NDF:97269.6/3

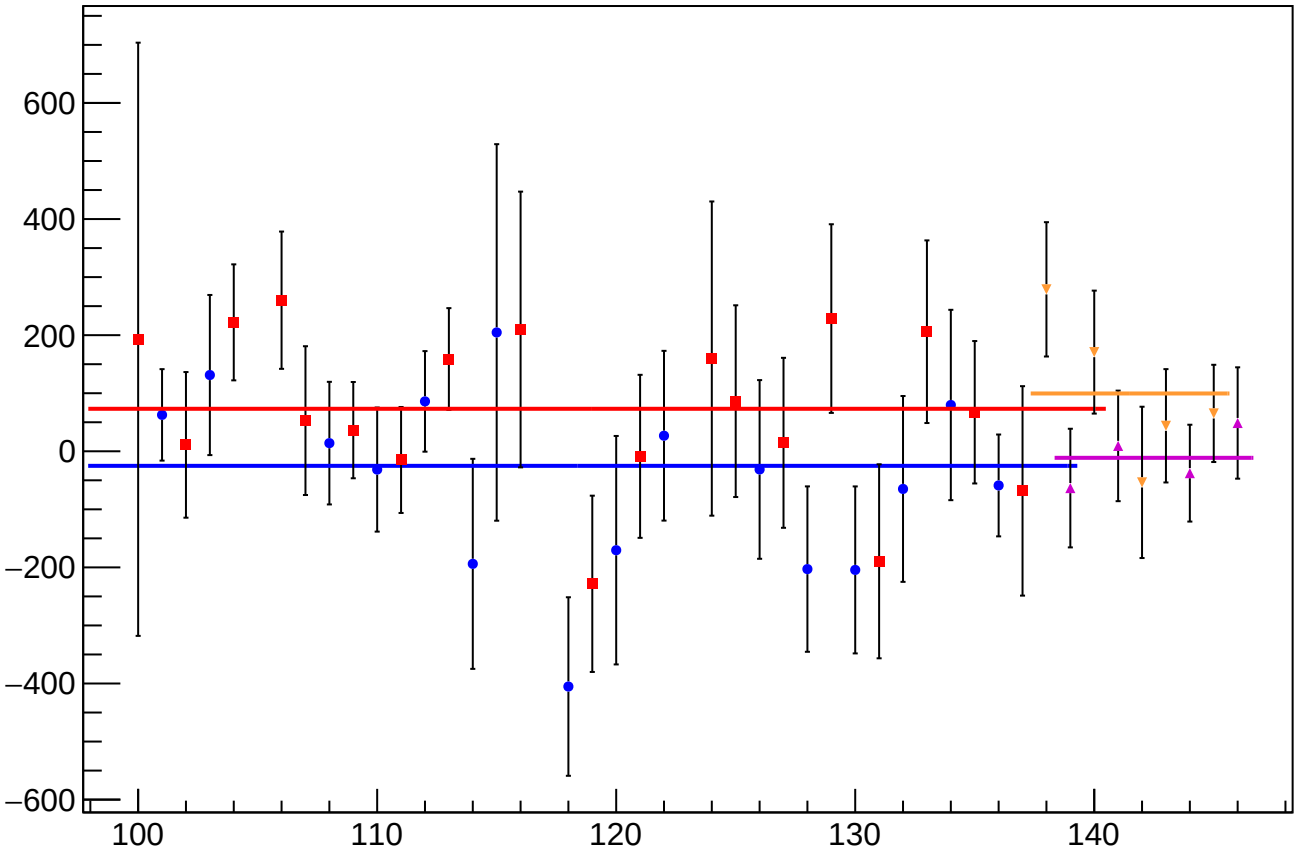
Left: 619.625+/-0.165 χ^2/NDF: 264255.6/8

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 635.354+/-0.144 χ^2/NDF:1975369.2/19

Out: 606.918+/-0.136 χ^2/NDF:2238212.4/23

All: 620.268+/-0.099 χ^2/NDF: 4234127.7/43



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 99.564+/-46.110 χ^2/NDF:4.7/4

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -11.265+/-46.699 χ^2/NDF:0.8/3

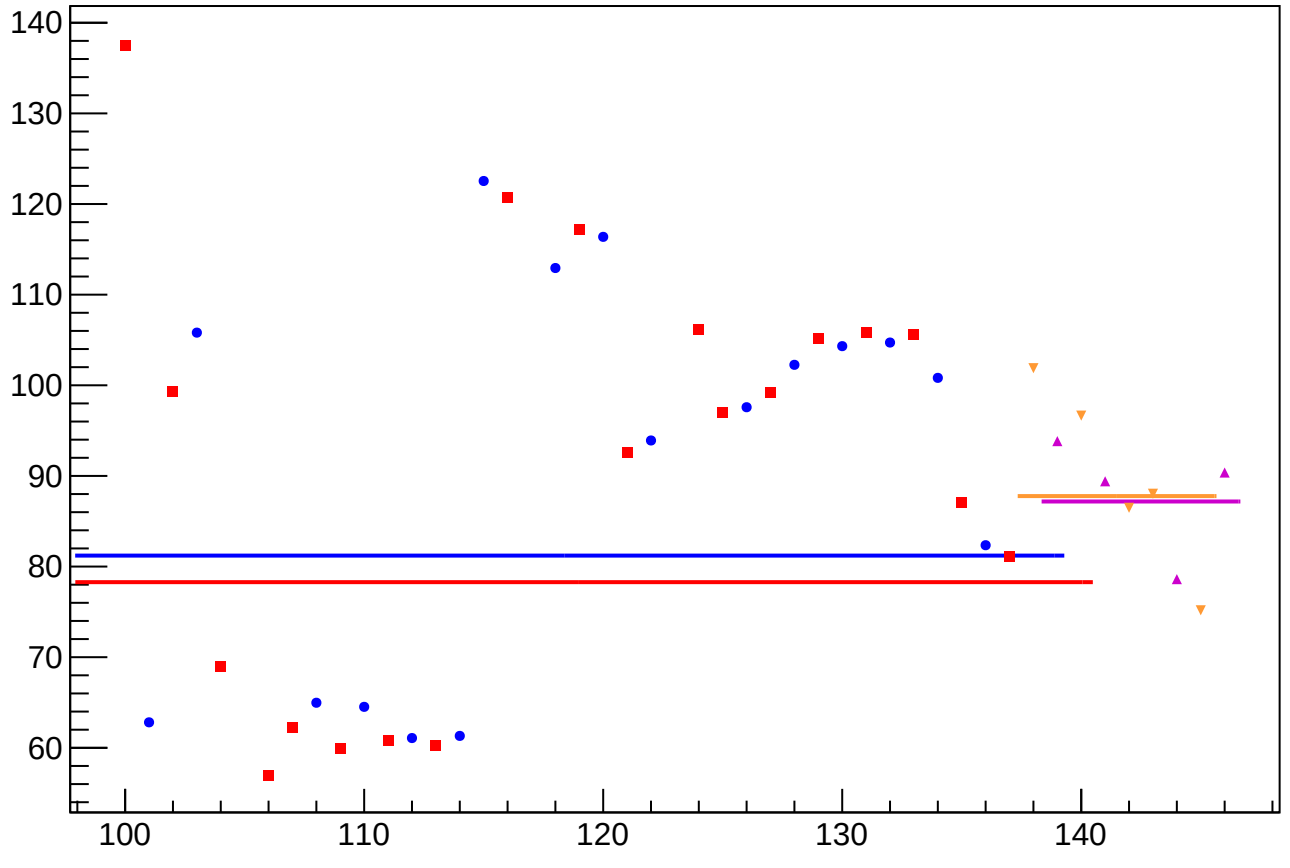
Left: 44.853+/-32.811 χ^2/NDF: 8.4/8

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -20.808+/-25.960 χ^2/NDF:17.1/19

Out: 81.012+/-25.109 χ^2/NDF:21.7/23

All: 31.798+/-18.048 χ^2/NDF: 46.7/43



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 87.775+/-0.033 χ^2/NDF:89319.7/4

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

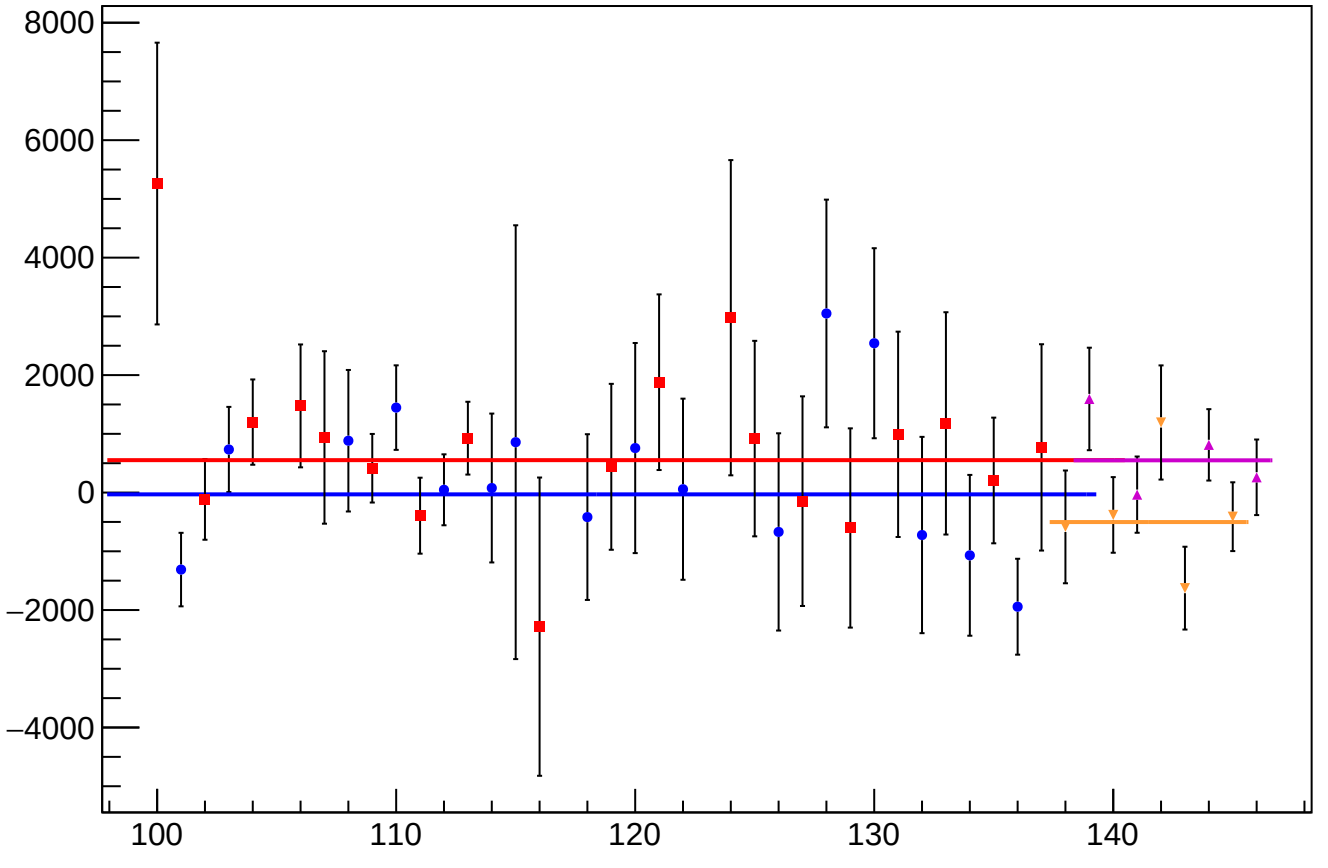
Left: 87.481+/-0.023 χ^2/NDF: 122395.6/8

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 83.054+/-0.018 χ^2/NDF:843170.3/19

Out: 81.095+/-0.018 χ^2/NDF:1085802.6/23

All: 82.042+/-0.013 χ^2/NDF: 1934858.4/43



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -501.985+/-324.749 χ^2/NDF:5.7/4

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 549.053+/-336.941 χ^2/NDF:2.6/3

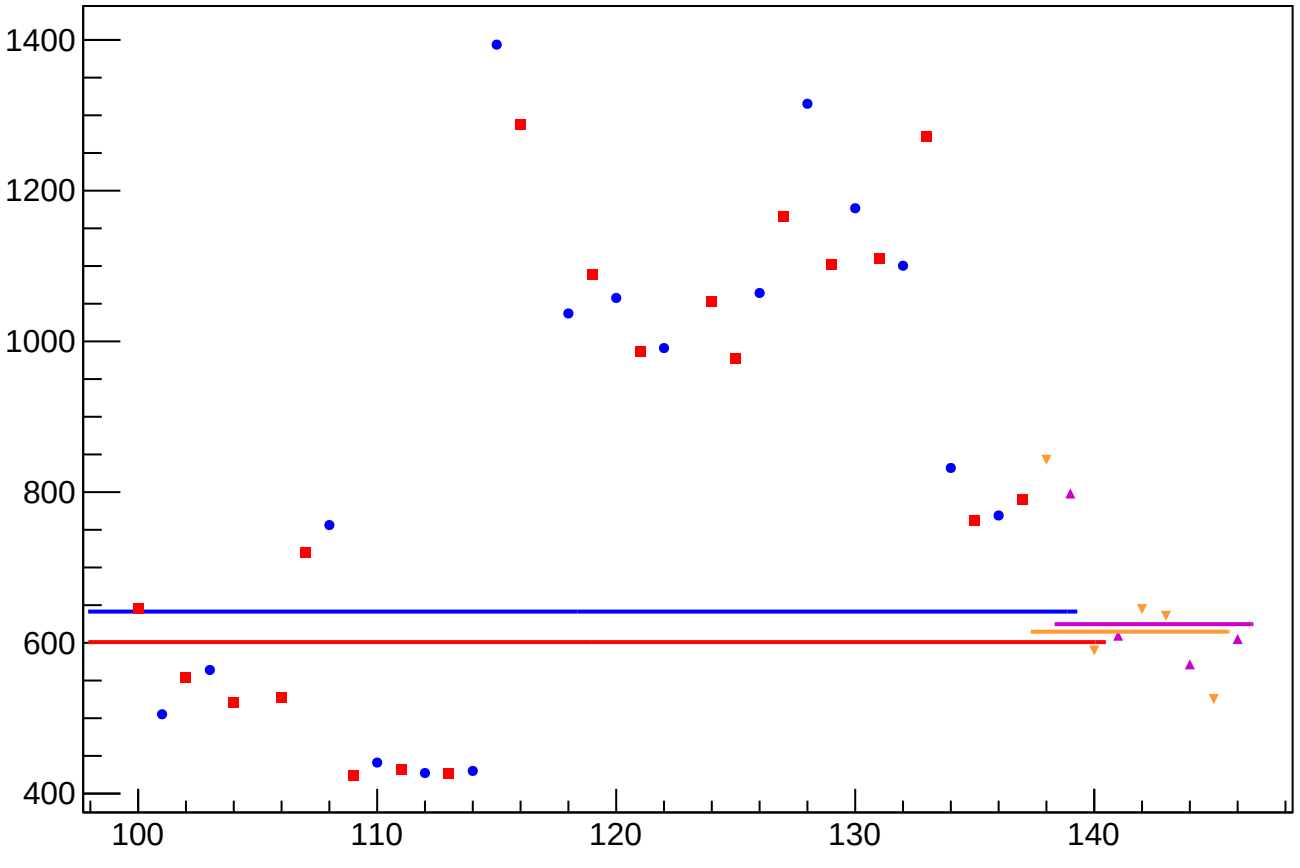
Left: 4.175+/-233.823 χ^2/NDF: 13.3/8

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 182.705+/-204.344 χ^2/NDF:26.4/19

Out: 182.388+/-192.302 χ^2/NDF:25.3/23

All: 182.537+/-140.042 χ^2/NDF: 51.7/43



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 614.826+/-0.230 χ^2/NDF:166080.0/4

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 624.792+/-0.238 χ^2/NDF:97268.6/3

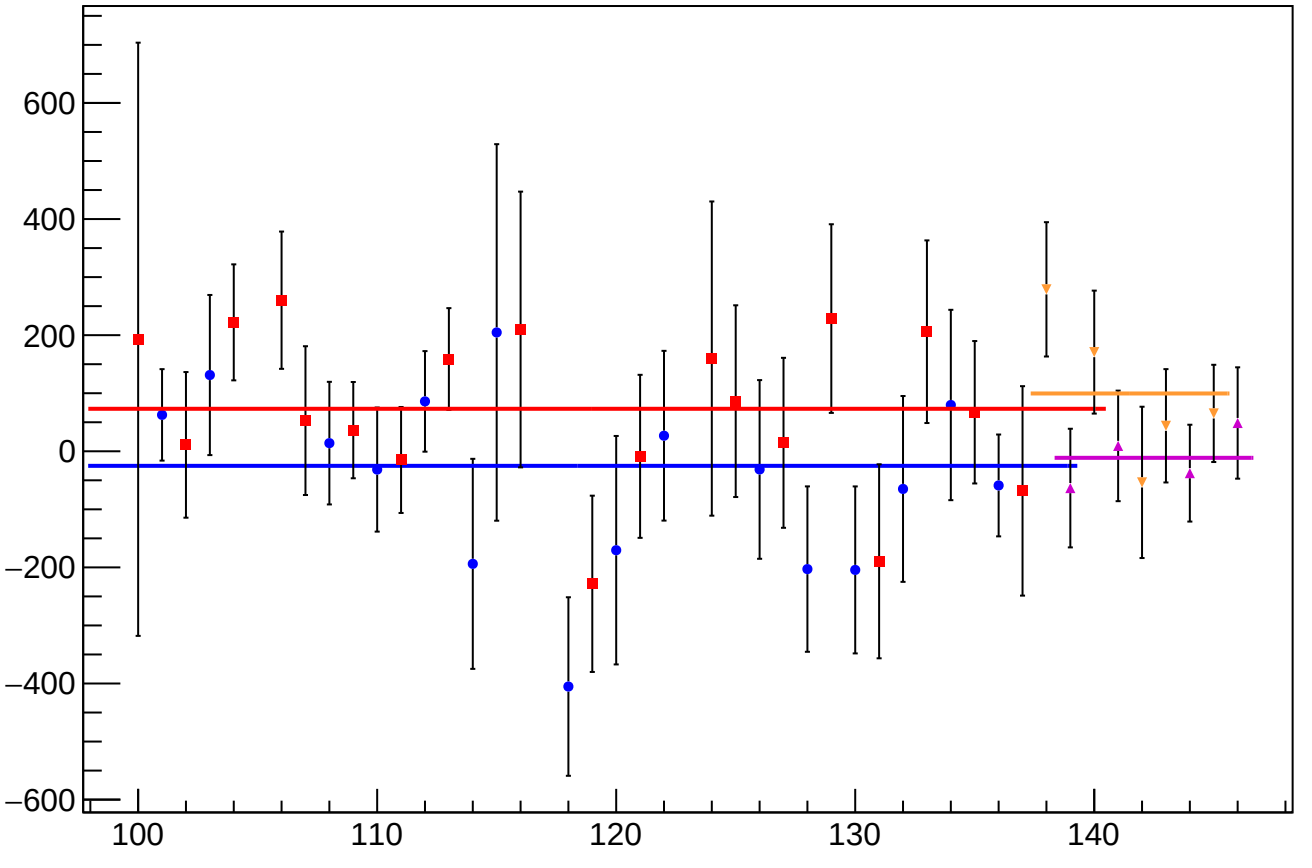
Left: 619.625+/-0.165 χ^2/NDF: 264255.7/8

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 635.359+/-0.144 χ^2/NDF:1975330.6/19

Out: 605.832+/-0.136 χ^2/NDF:2245674.8/23

All: 619.700+/-0.099 χ^2/NDF: 4243151.7/43



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 99.564+/-46.110 χ^2/NDF:4.7/4

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -11.265+/-46.699 χ^2/NDF:0.8/3

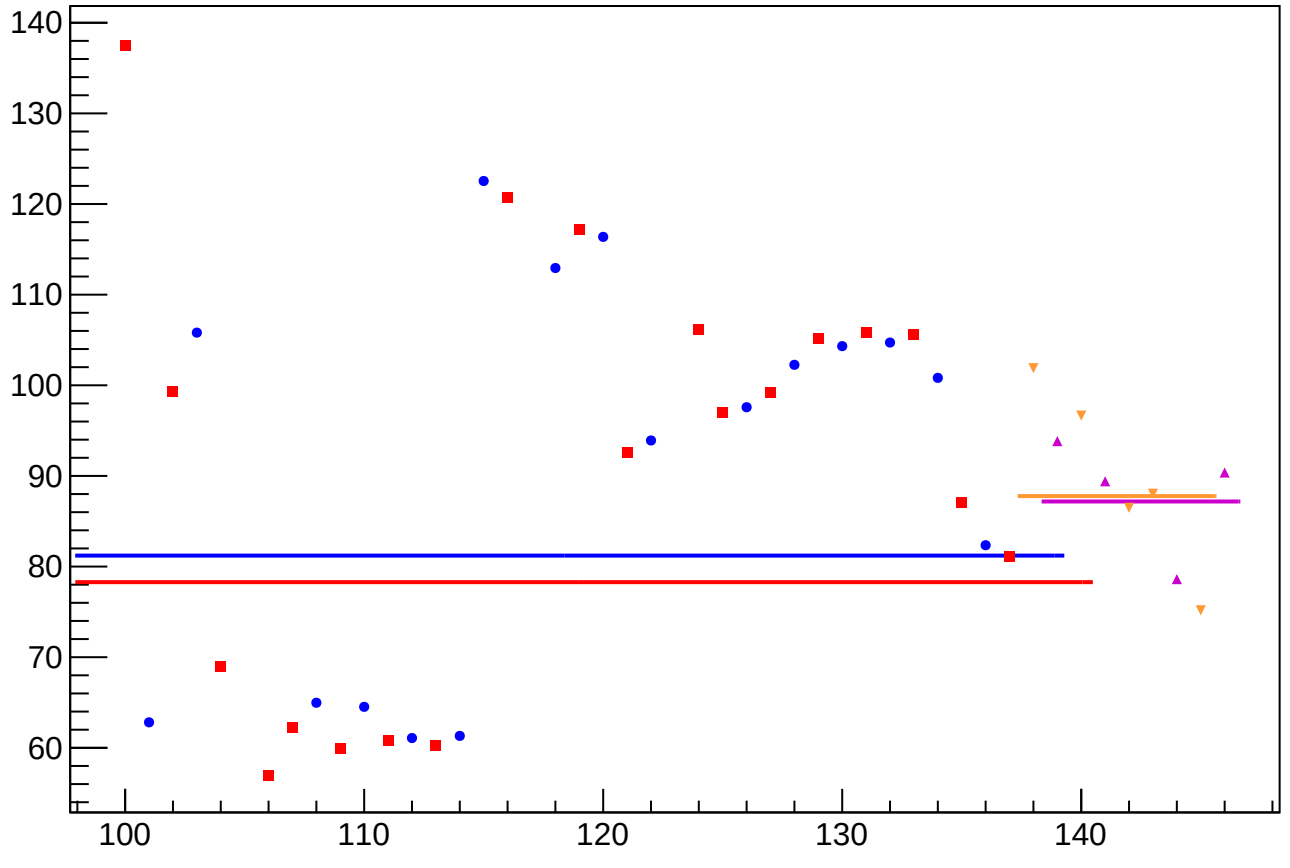
Left: 44.853+/-32.811 χ^2/NDF: 8.4/8

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -20.808+/-25.960 χ^2/NDF:17.1/19

Out: 81.012+/-25.109 χ^2/NDF:21.7/23

All: 31.798+/-18.048 χ^2/NDF: 46.7/43



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 87.775+/-0.033 χ^2/NDF:89319.7/4

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

Left: 87.481+/-0.023 χ^2/NDF: 122395.6/8

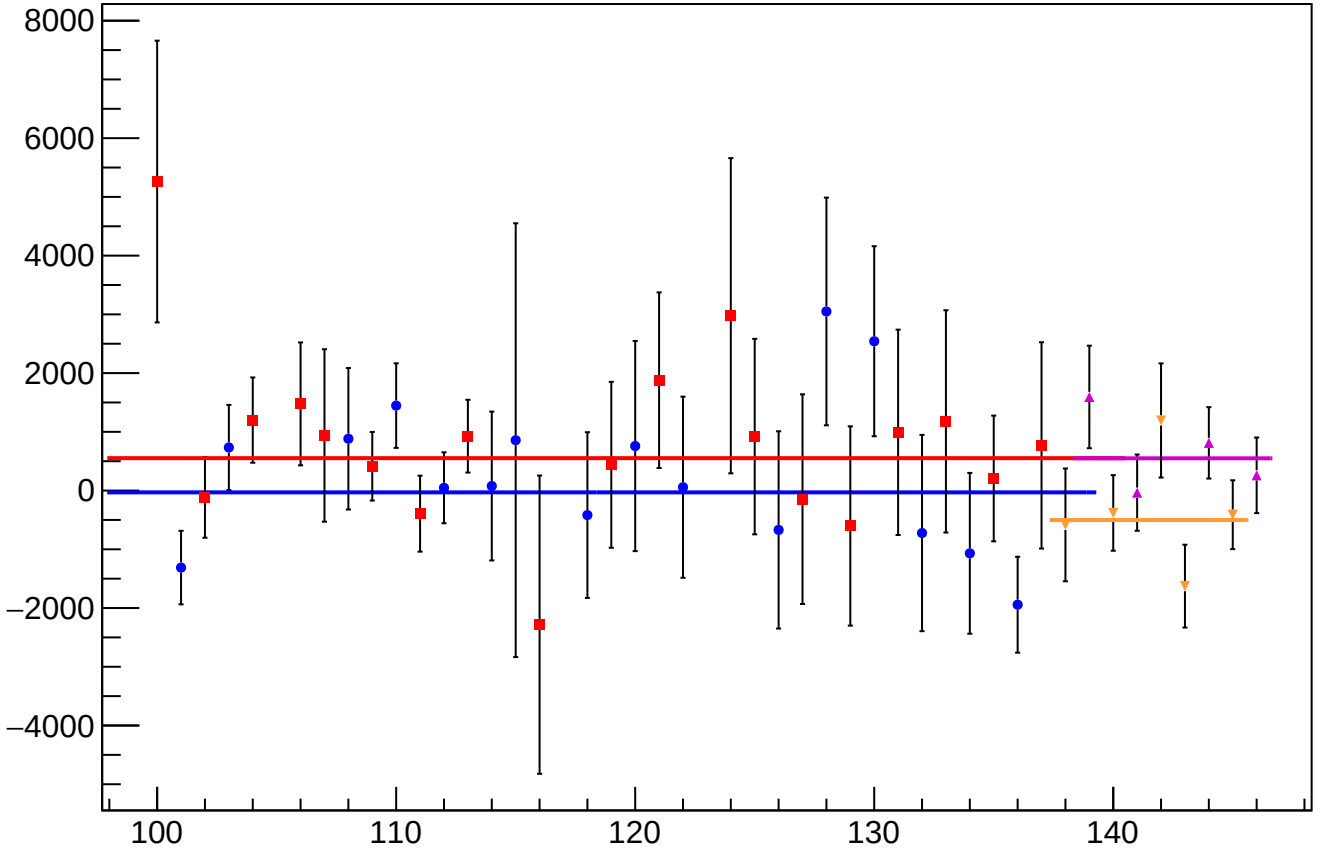
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 83.054+/-0.018 χ^2/NDF:843170.3/19

Out: 81.095+/-0.018 χ^2/NDF:1085802.6/23

All: 82.042+/-0.013 χ^2/NDF: 1934858.4/43

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: -501.985+/-324.749 χ^2/NDF:5.7/4

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 549.053+/-336.941 χ^2/NDF:2.6/3

Left: 4.175+/-233.823 χ^2/NDF: 13.3/8

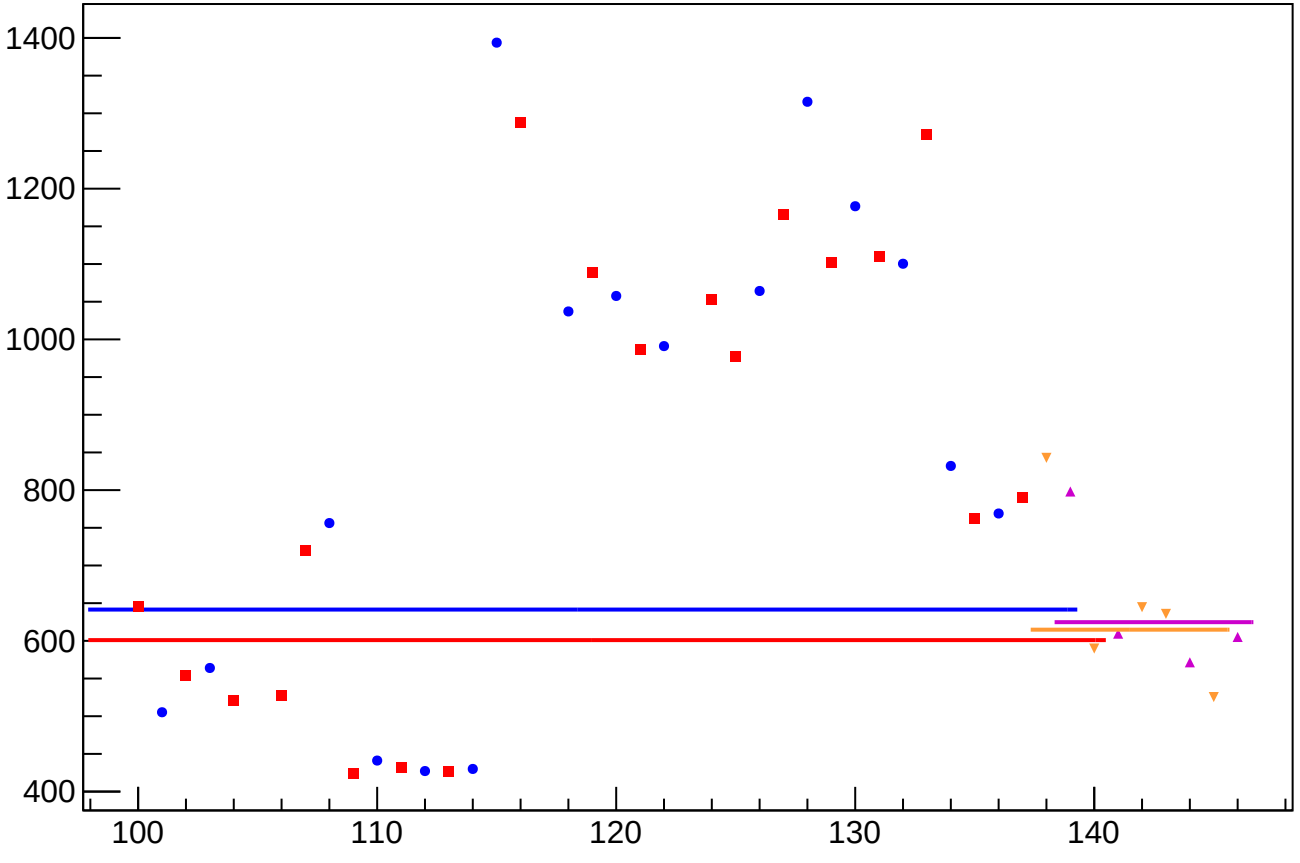
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 182.705+/-204.344 χ^2/NDF:26.4/19

Out: 182.388+/-192.302 χ^2/NDF:25.3/23

All: 182.537+/-140.042 χ^2/NDF: 51.7/43

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: 614.826+/-0.230 χ^2/NDF:166080.0/4

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 624.792+/-0.238 χ^2/NDF:97268.6/3

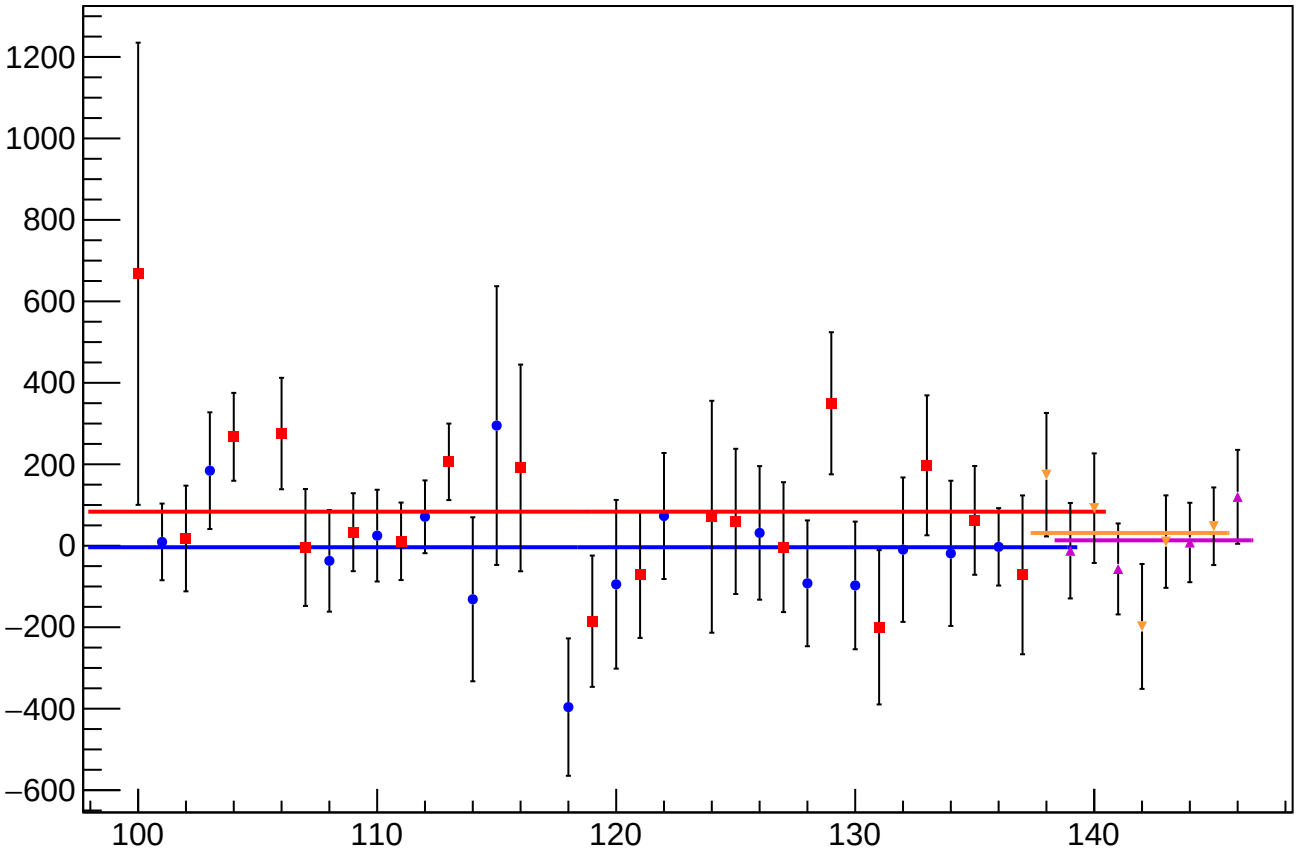
Left: 619.625+/-0.165 χ^2/NDF: 264255.7/8

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 635.359+/-0.144 χ^2/NDF:1975330.6/19

Out: 605.832+/-0.136 χ^2/NDF:2245674.8/23

All: 619.700+/-0.099 χ^2/NDF: 4243151.7/43



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 31.417+/-55.121 χ^2/NDF:3.4/4

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 13.330+/-54.768 χ^2/NDF:1.3/3

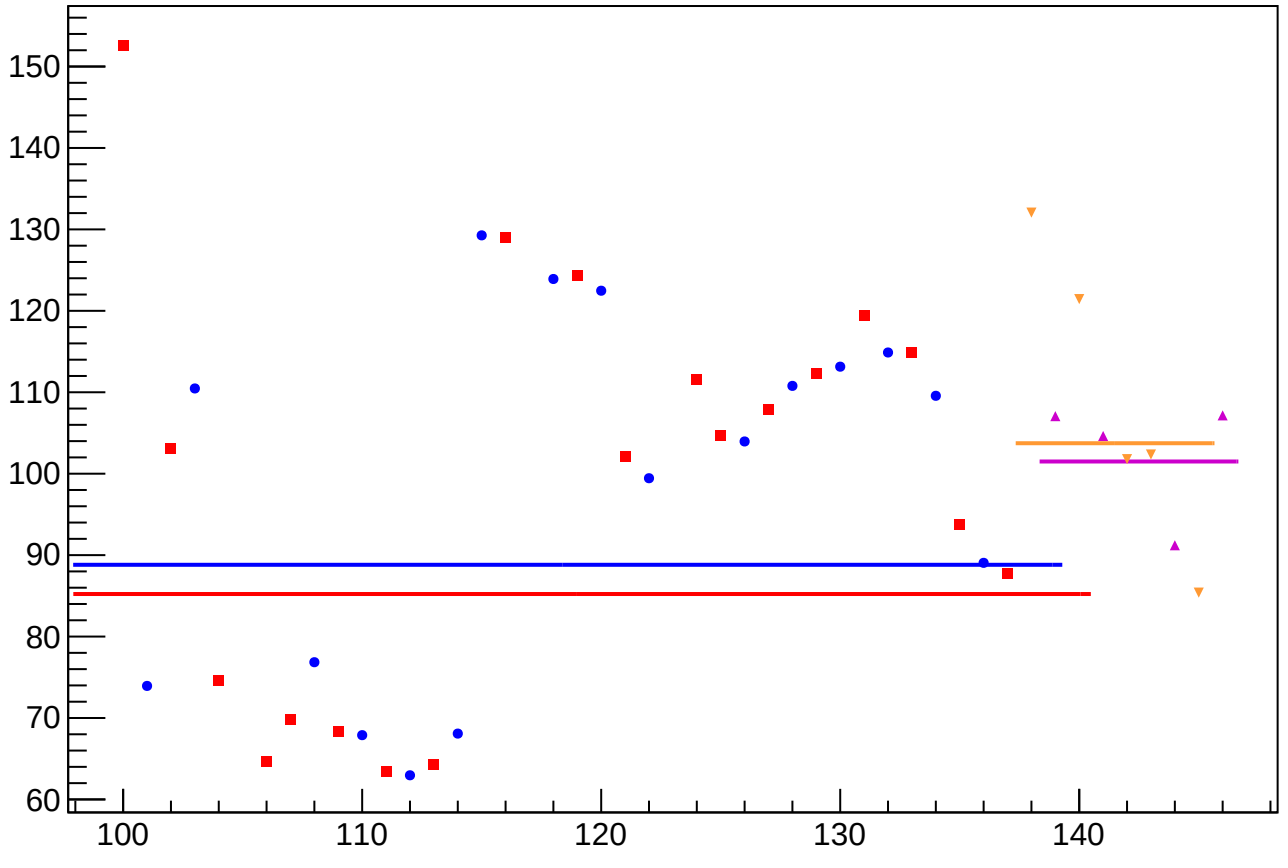
Left: 22.315+/-38.851 χ^2/NDF: 4.8/8

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 1.115+/-28.980 χ^2/NDF:11.7/19

Out: 70.114+/-28.081 χ^2/NDF:23.1/23

All: 36.701+/-20.166 χ^2/NDF: 37.8/43



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 103.741+/-0.039 χ^2/NDF:179204.3/4

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 101.498+/-0.039 χ^2/NDF:33182.1/3

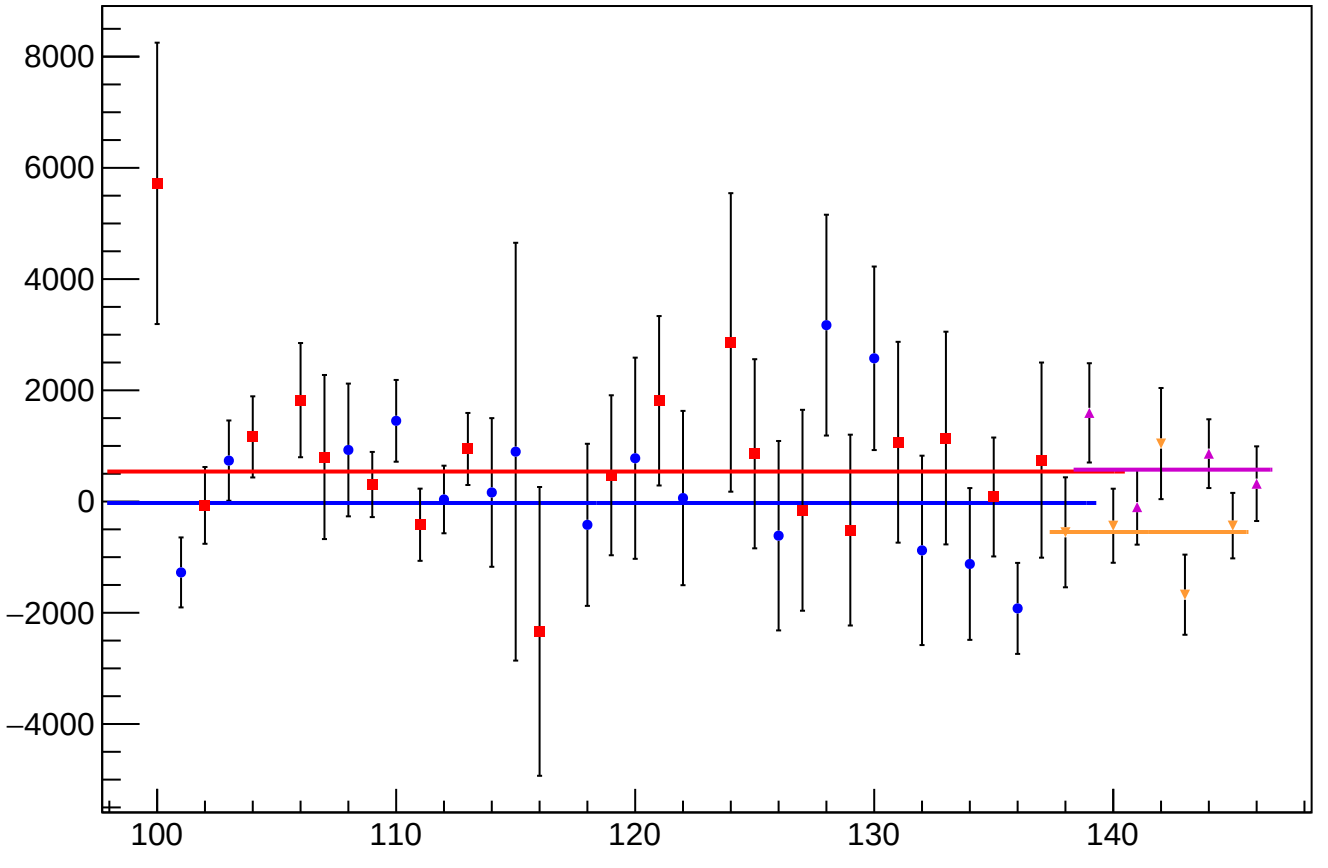
Left: 102.612+/-0.027 χ^2/NDF: 214052.3/8

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 92.365+/-0.020 χ^2/NDF:835043.0/19

Out: 90.030+/-0.020 χ^2/NDF:1230389.8/23

All: 91.161+/-0.014 χ^2/NDF: 2072128.6/43



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -547.565+/-331.687 χ^2/NDF:5.0/4

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 573.353+/-347.522 χ^2/NDF:2.7/3

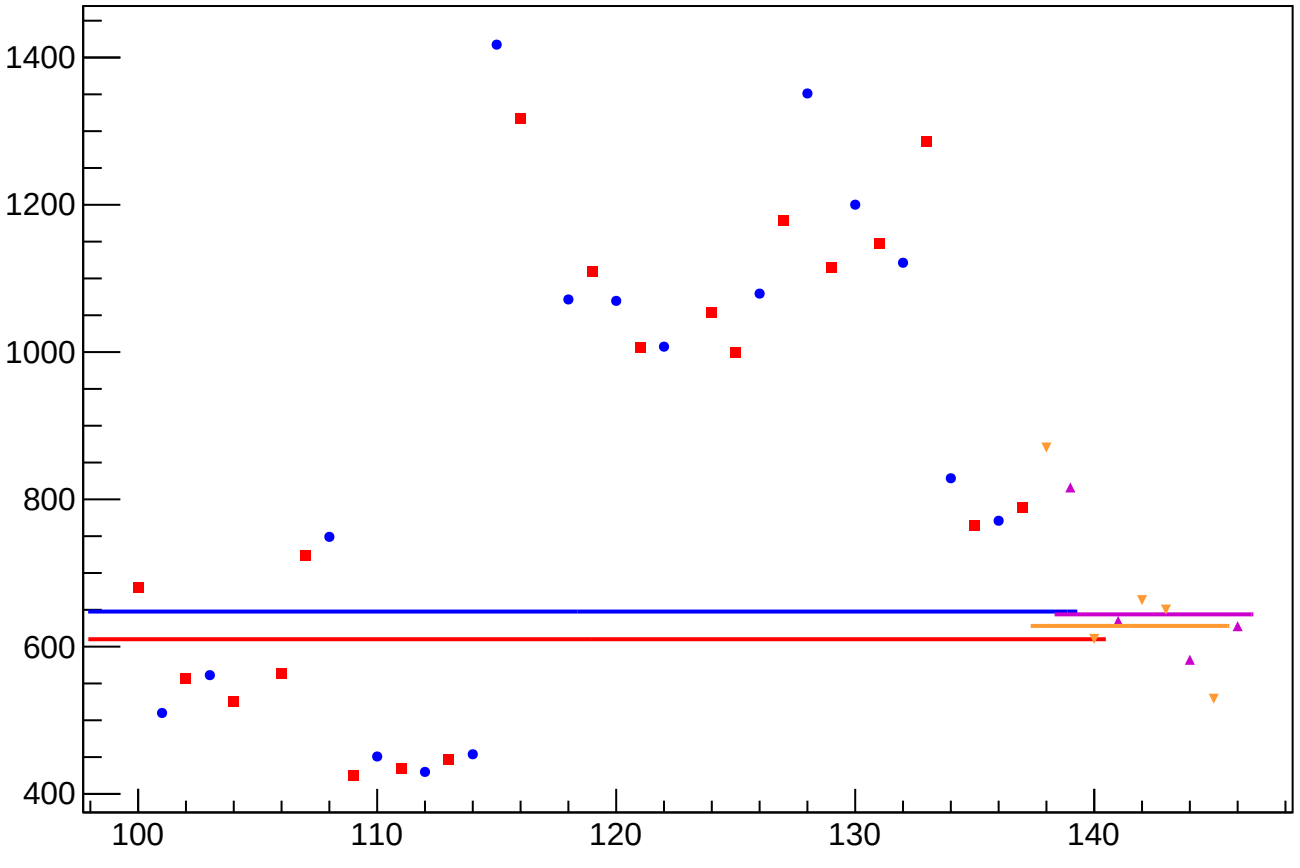
Left: -13.224+/-239.941 χ^2/NDF: 13.1/8

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 188.599+/-207.877 χ^2/NDF:26.1/19

Out: 163.499+/-195.095 χ^2/NDF:25.7/23

All: 175.254+/-142.257 χ^2/NDF: 51.8/43



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 628.148+/-0.235 χ^2/NDF:182166.8/4

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 643.824+/-0.246 χ^2/NDF:95973.6/3

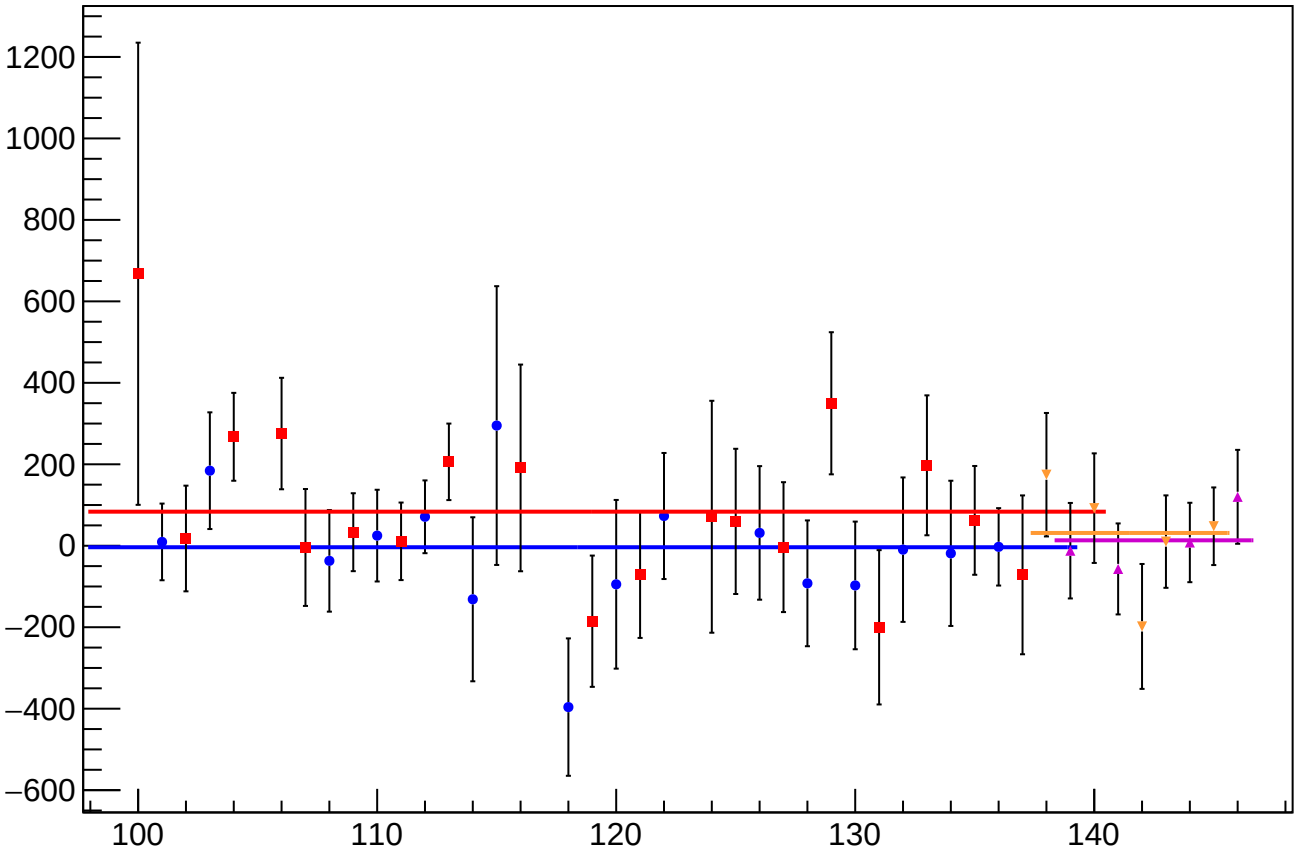
Left: 635.621+/-0.170 χ^2/NDF: 280270.0/8

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 646.275+/-0.147 χ^2/NDF:1983944.4/19

Out: 616.318+/-0.138 χ^2/NDF:2260304.9/23

All: 630.347+/-0.101 χ^2/NDF: 4266332.7/43



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 31.417+/-55.121 χ^2/NDF:3.4/4

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 13.331+/-54.768 χ^2/NDF:1.3/3

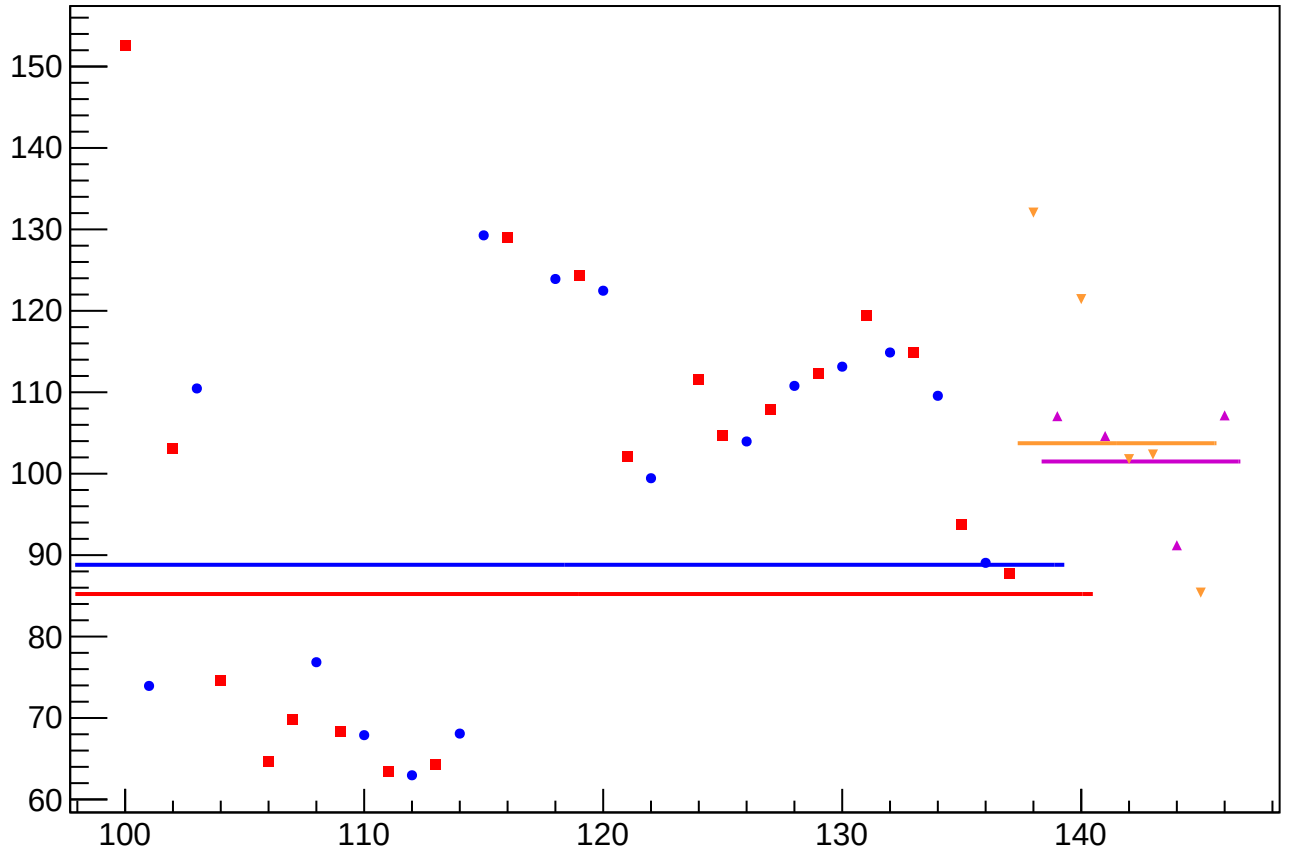
Left: 22.316+/-38.851 χ^2/NDF: 4.8/8

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 1.116+/-28.980 χ^2/NDF:11.7/19

Out: 70.113+/-28.081 χ^2/NDF:23.1/23

All: 36.702+/-20.166 χ^2/NDF: 37.8/43



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 103.741+/-0.039 χ^2/NDF:179202.7/4

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 101.499+/-0.039 χ^2/NDF:33182.4/3

Left: 102.613+/-0.027 χ^2/NDF: 214050.8/8

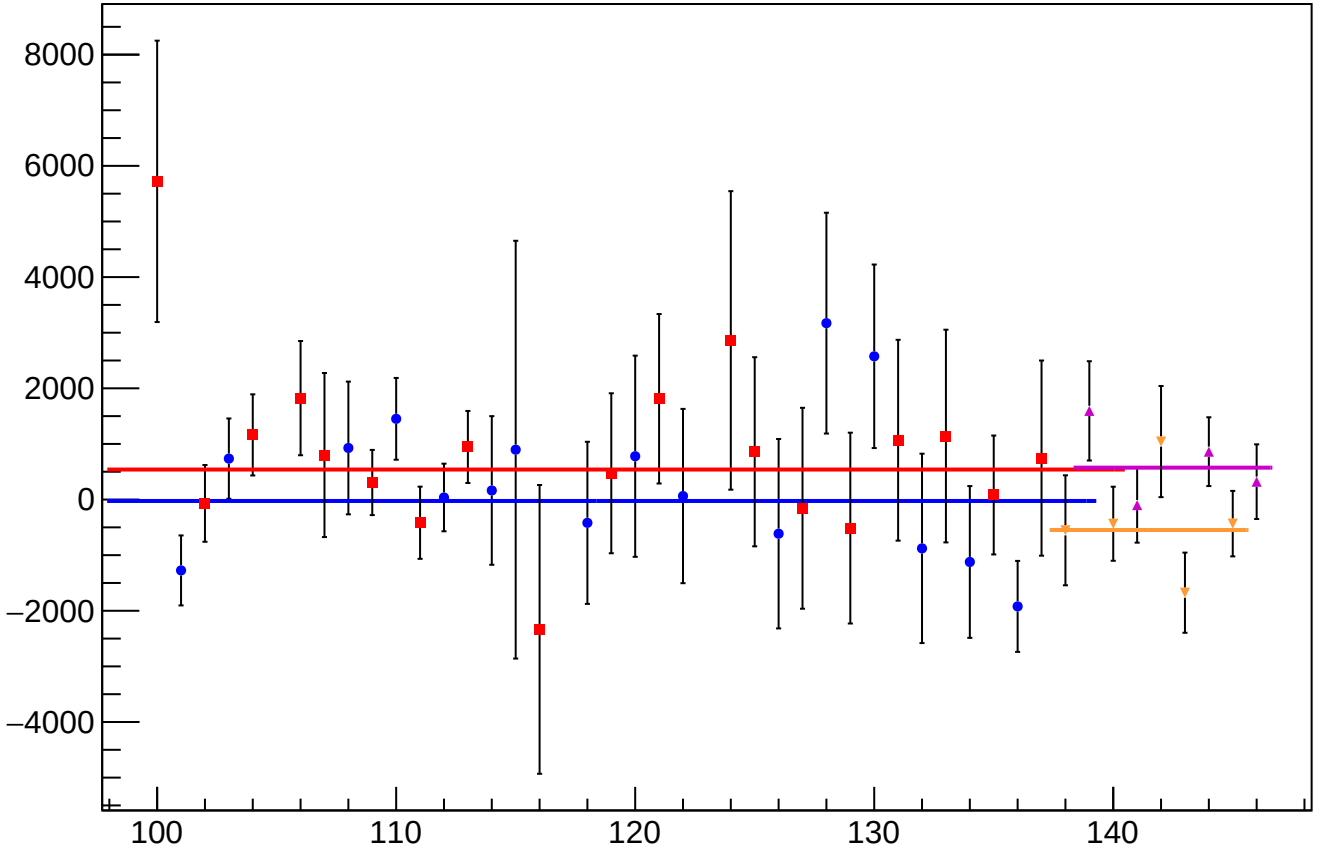
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 92.365+/-0.020 χ^2/NDF:835046.8/19

Out: 90.030+/-0.020 χ^2/NDF:1230394.8/23

All: 91.161+/-0.014 χ^2/NDF: 2072137.6/43

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: -547.566+/-331.687 χ^2/NDF:5.0/4

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 573.353+/-347.522 χ^2/NDF:2.7/3

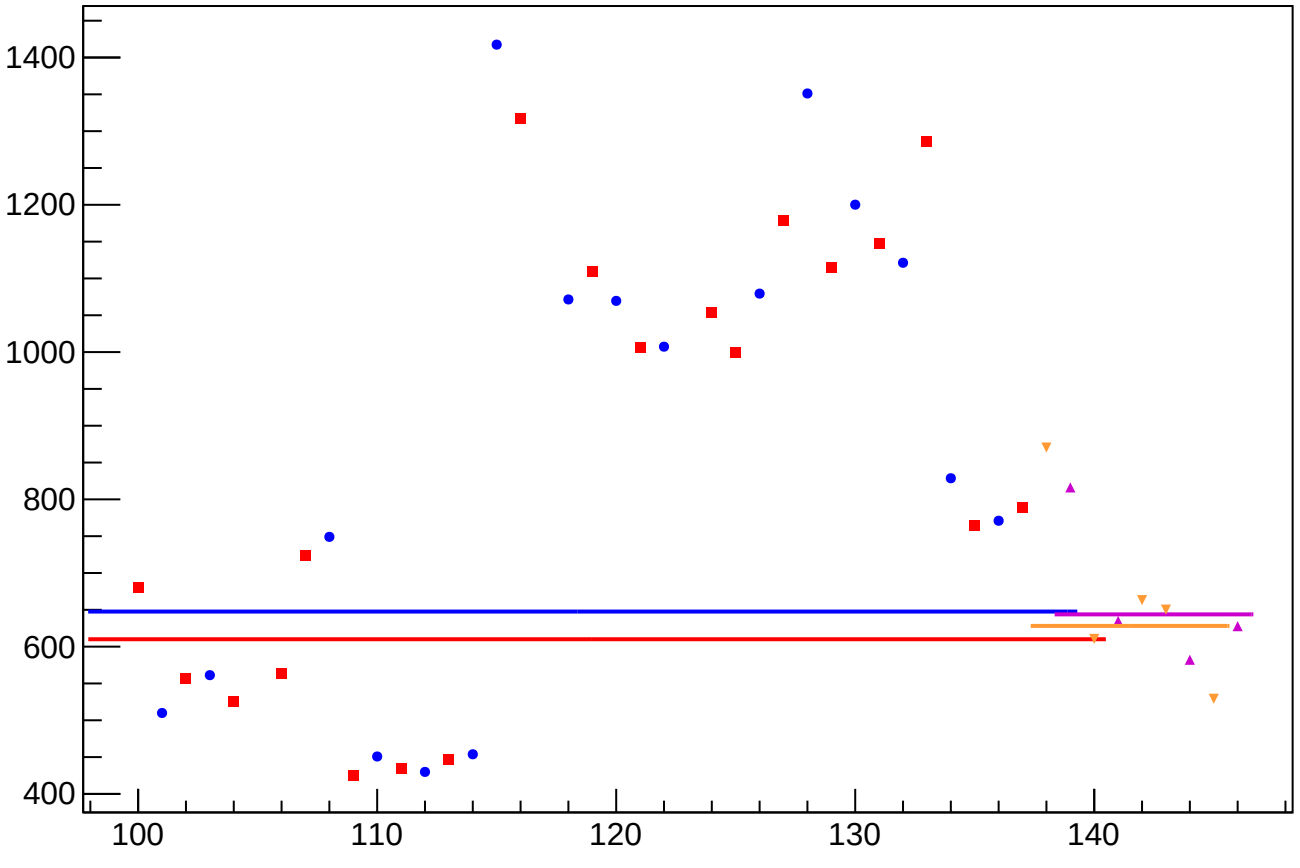
Left: -13.225+/-239.941 χ^2/NDF: 13.1/8

Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 188.599+/-207.876 χ^2/NDF:26.1/19

Out: 163.499+/-195.095 χ^2/NDF:25.7/23

All: 175.254+/-142.257 χ^2/NDF: 51.8/43



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 628.147+/-0.235 χ^2/NDF:182167.8/4

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 643.824+/-0.246 χ^2/NDF:95973.5/3

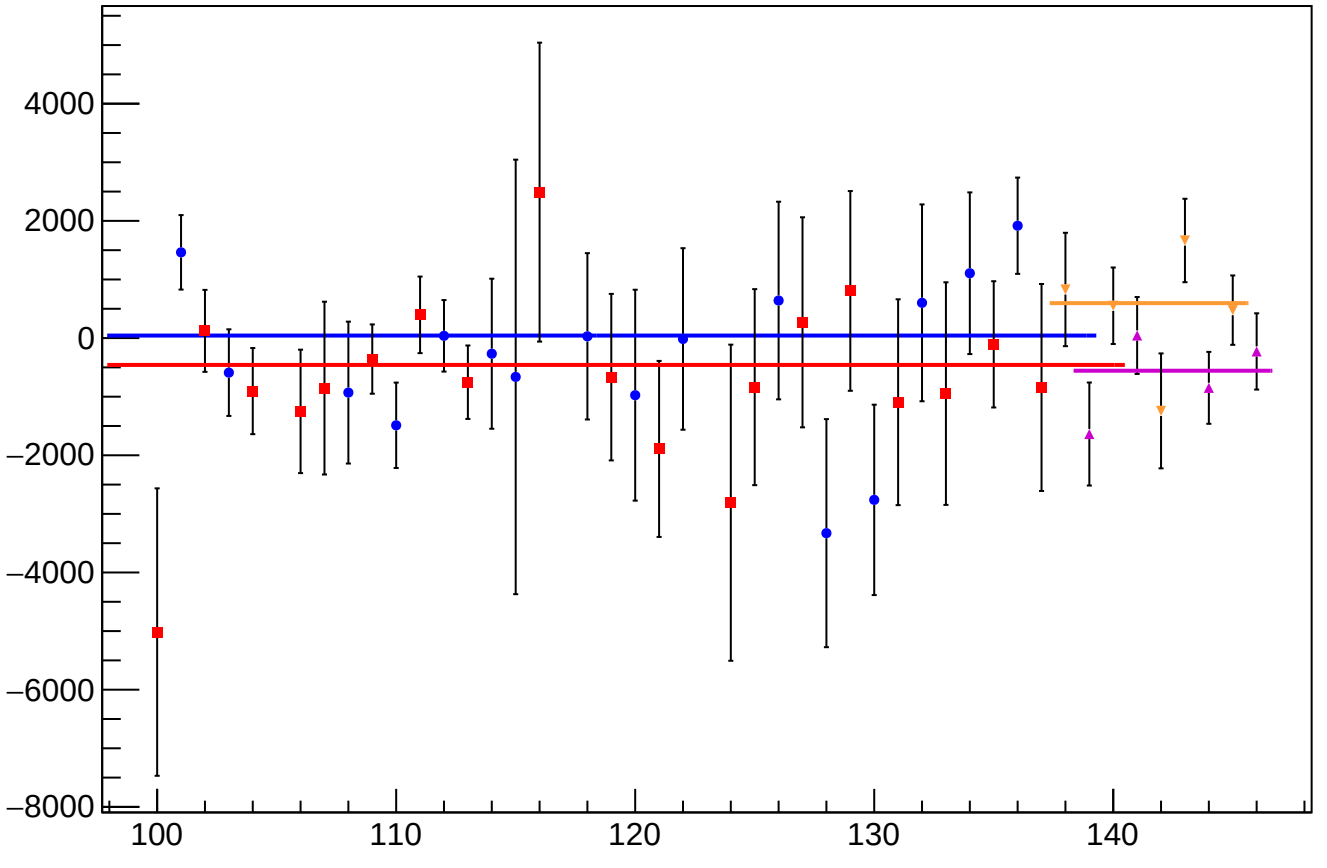
Left: 635.620+/-0.170 χ^2/NDF: 280271.1/8

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 646.275+/-0.147 χ^2/NDF:1983948.9/19

Out: 616.318+/-0.138 χ^2/NDF:2260308.7/23

All: 630.347+/-0.101 χ^2/NDF: 4266341.4/43



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 596.371+/-328.181 χ^2/NDF:5.9/4

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -557.052+/-340.328 χ^2/NDF:2.8/3

Left: 40.610+/-236.237 χ^2/NDF: 14.7/8

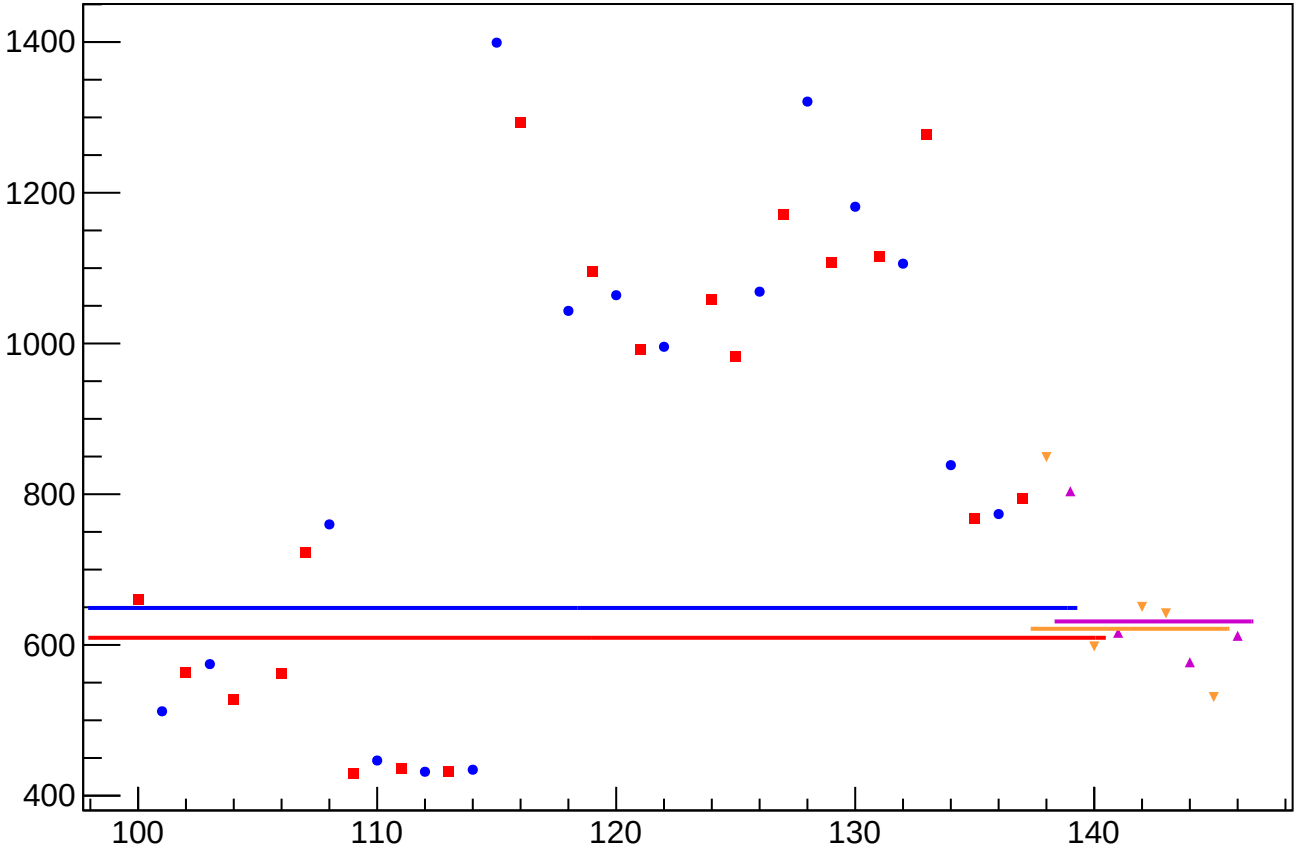
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -177.832+/-206.504 χ^2/NDF:28.0/19

Out: -88.448+/-194.311 χ^2/NDF:23.8/23

All: -130.424+/-141.513 χ^2/NDF: 52.0/43

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 621.445+/-0.232 χ^2/NDF:163825.5/4

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 631.204+/-0.241 χ^2/NDF:95622.6/3

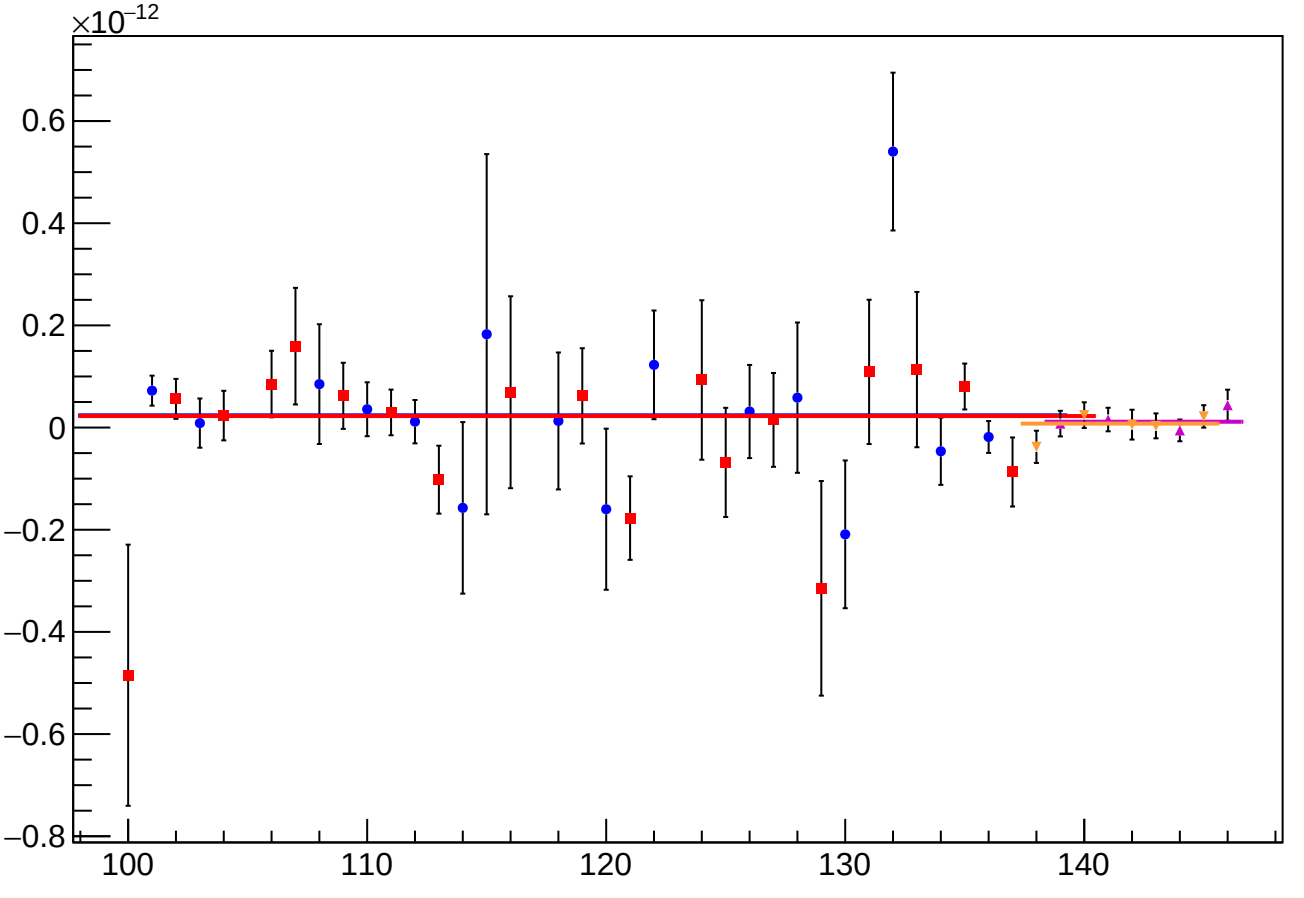
Left: 626.147+/-0.167 χ^2/NDF: 260300.3/8

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 642.505+/-0.146 χ^2/NDF:1944928.7/19

Out: 613.698+/-0.137 χ^2/NDF:2209132.6/23

All: 627.226+/-0.100 χ^2/NDF: 4174704.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

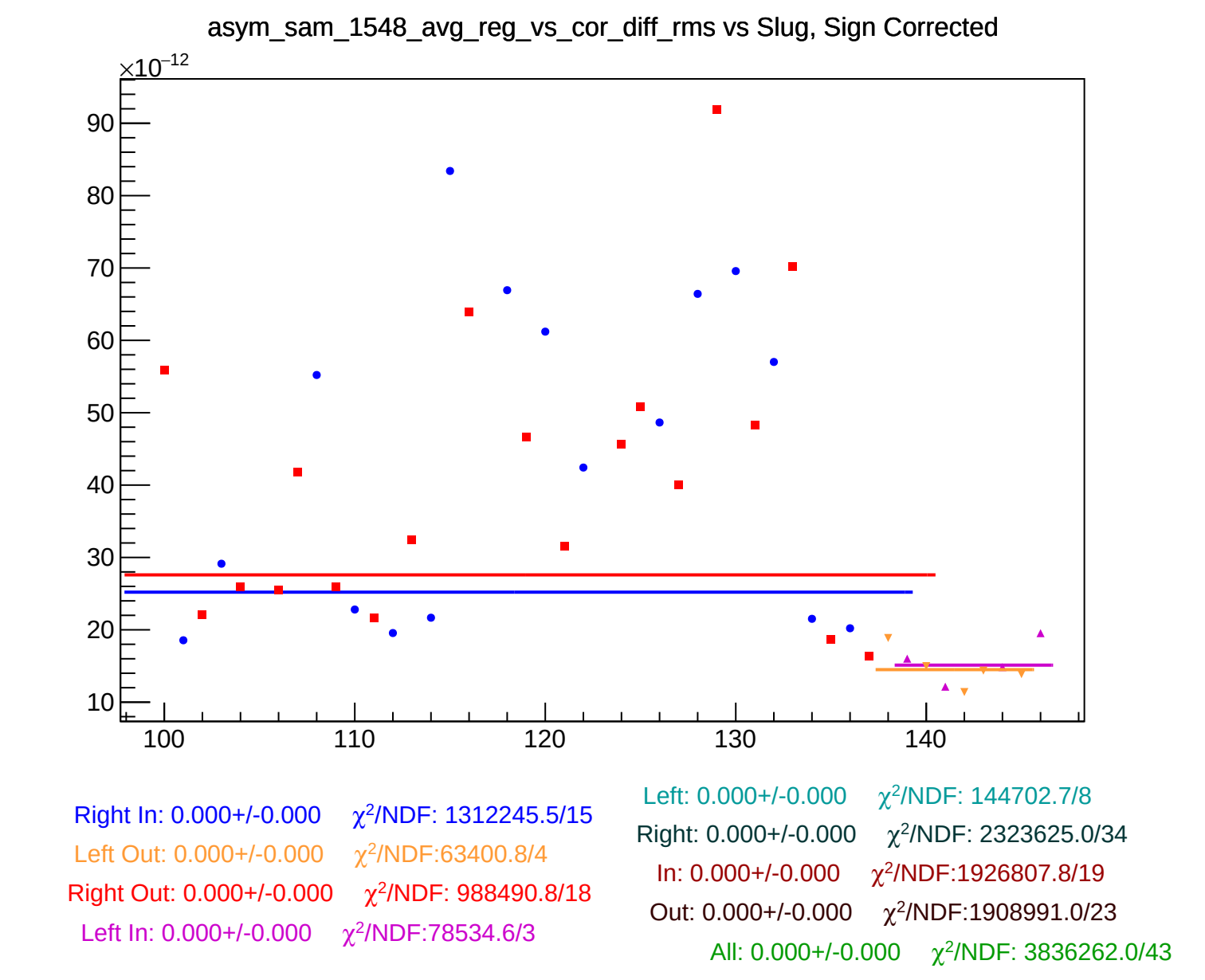
Left: 0.000+/-0.000 χ^2/NDF: 4.8/8

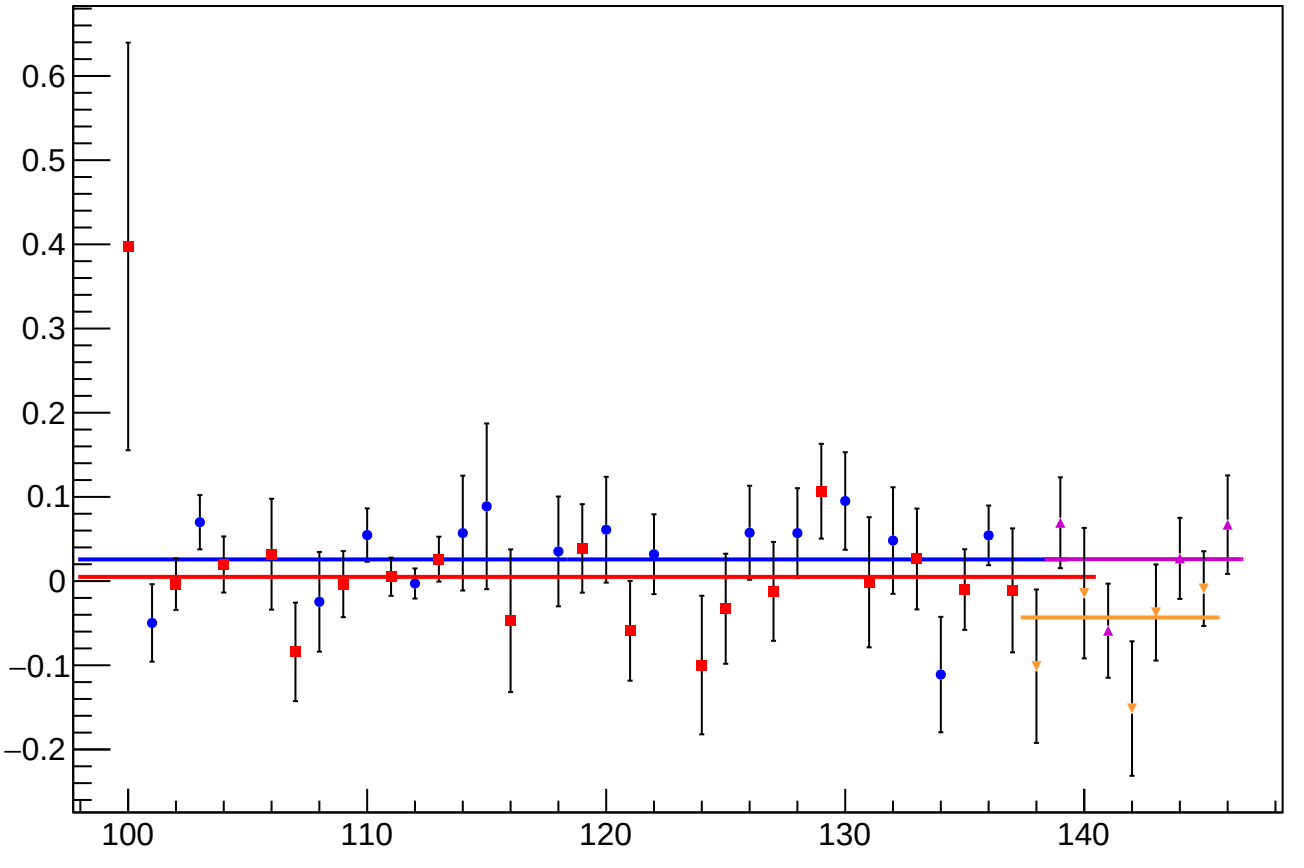
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:25.9/19

Out: 0.000+/-0.000 χ^2/NDF:29.2/23

All: 0.000+/-0.000 χ^2/NDF: 55.1/43


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:63400.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:78534.6/3
Left: 0.000+/-0.000 χ²/NDF: 144702.7/8
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:1926807.8/19
Out: 0.000+/-0.000 χ²/NDF:1908991.0/23
All: 0.000+/-0.000 χ²/NDF: 3836262.0/43



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.043+/-0.028 χ^2/NDF:3.0/4

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.026+/-0.027 χ^2/NDF:3.4/3

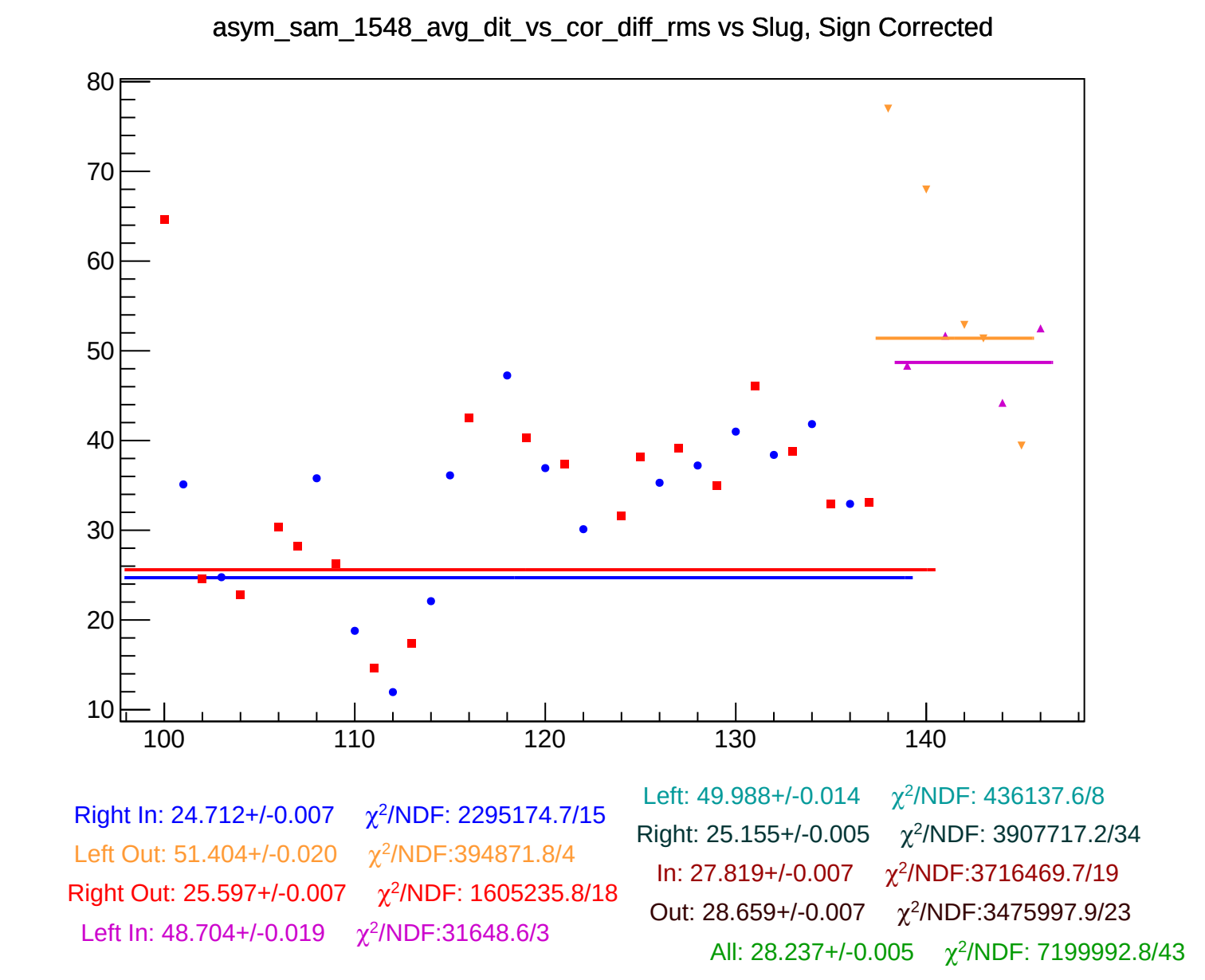
Left: -0.007+/-0.019 χ^2/NDF: 9.6/8

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

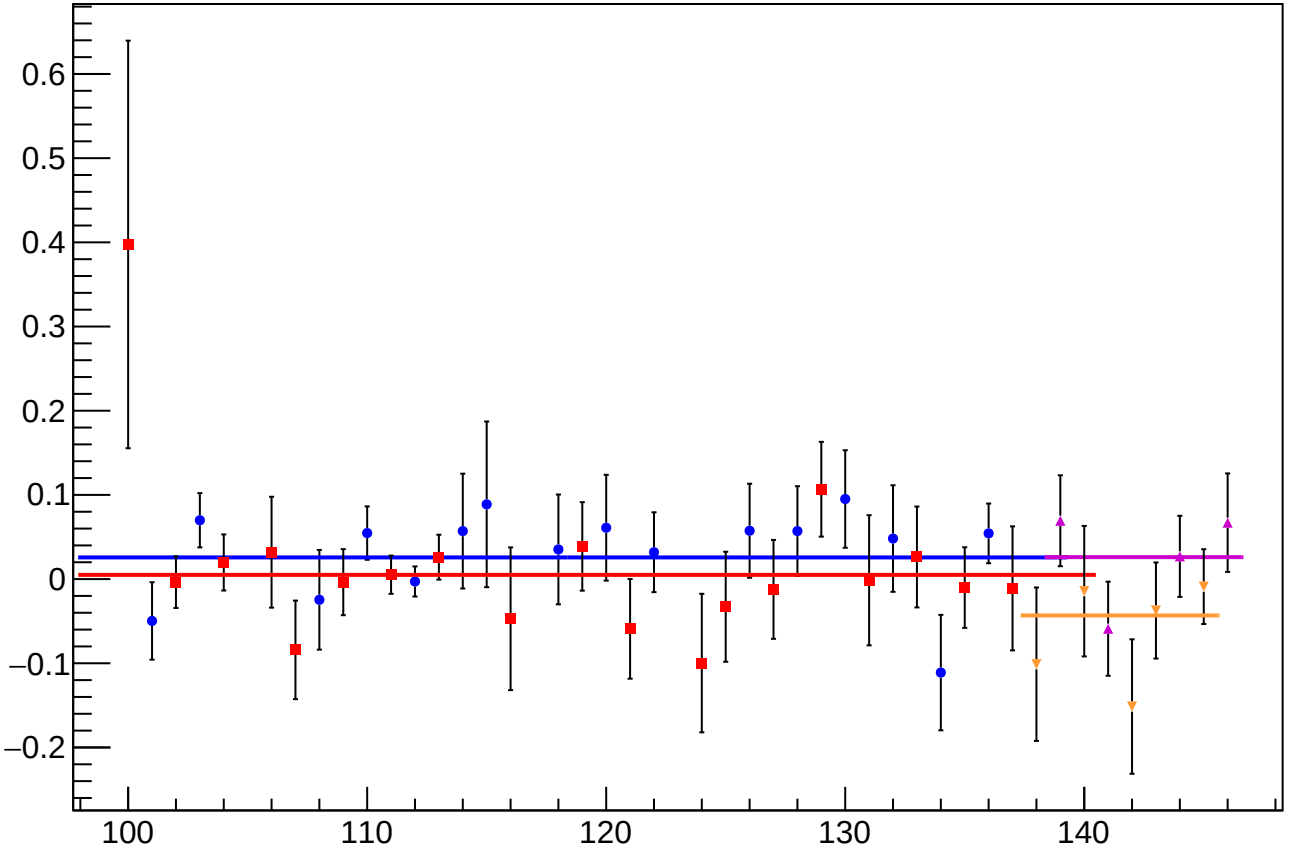
In: 0.026+/-0.010 χ^2/NDF:20.0/19

Out: -0.001+/-0.010 χ^2/NDF:19.2/23

All: 0.013+/-0.007 χ^2/NDF: 42.9/43


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 51.404+/-0.020 χ²/NDF:394871.8/4
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 48.704+/-0.019 χ²/NDF:31648.6/3
Left: 49.988+/-0.014 χ²/NDF: 436137.6/8
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 27.819+/-0.007 χ²/NDF:3716469.7/19
Out: 28.659+/-0.007 χ²/NDF:3475997.9/23
All: 28.237+/-0.005 χ²/NDF: 7199992.8/43

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.043+/-0.028 χ^2/NDF:3.0/4

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.026+/-0.027 χ^2/NDF:3.4/3

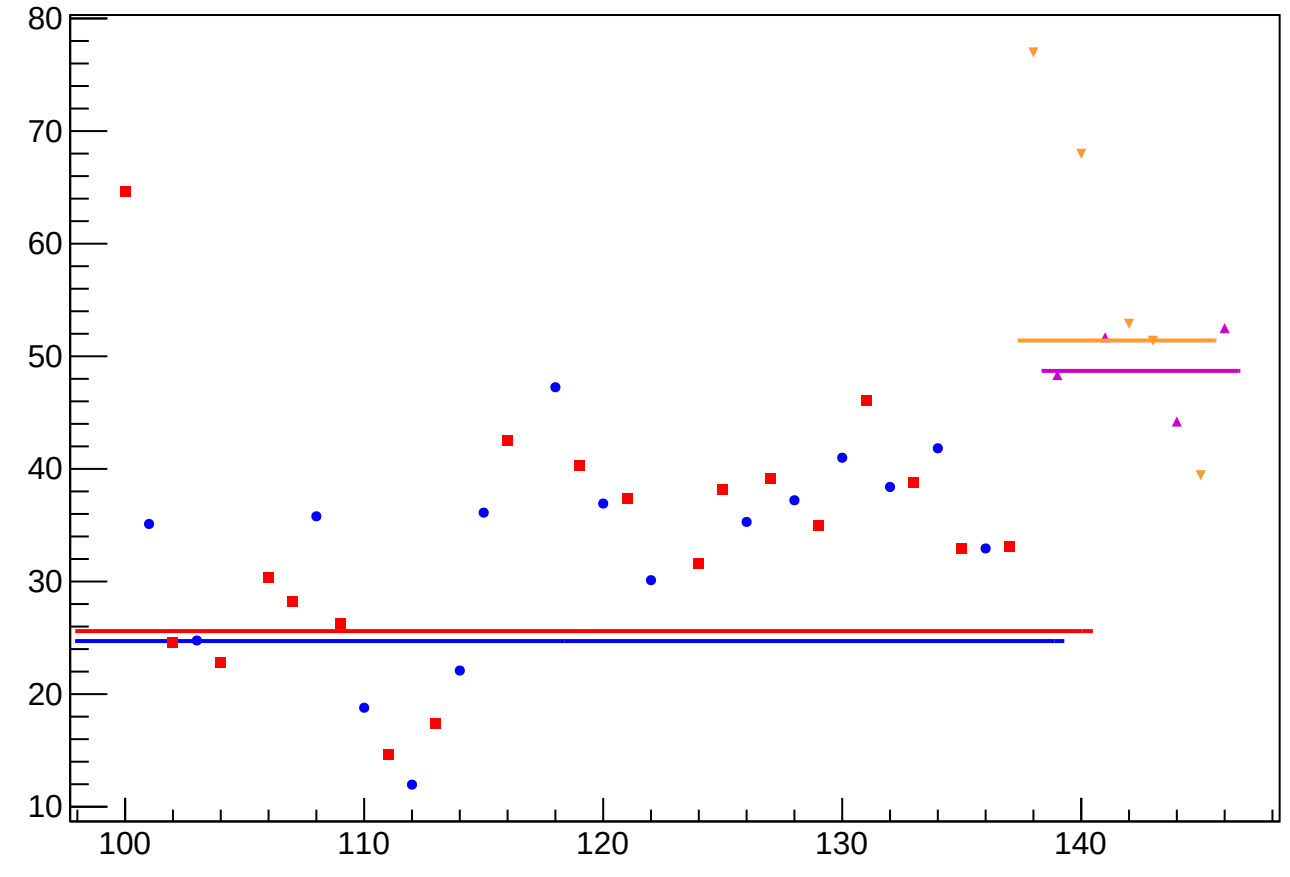
Left: -0.007+/-0.019 χ^2/NDF: 9.6/8

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.026+/-0.010 χ^2/NDF:20.0/19

Out: -0.001+/-0.010 χ^2/NDF:19.2/23

All: 0.013+/-0.007 χ^2/NDF: 42.9/43



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 51.404+/-0.020 χ^2/NDF:394871.8/4

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 48.704+/-0.019 χ^2/NDF:31648.6/3

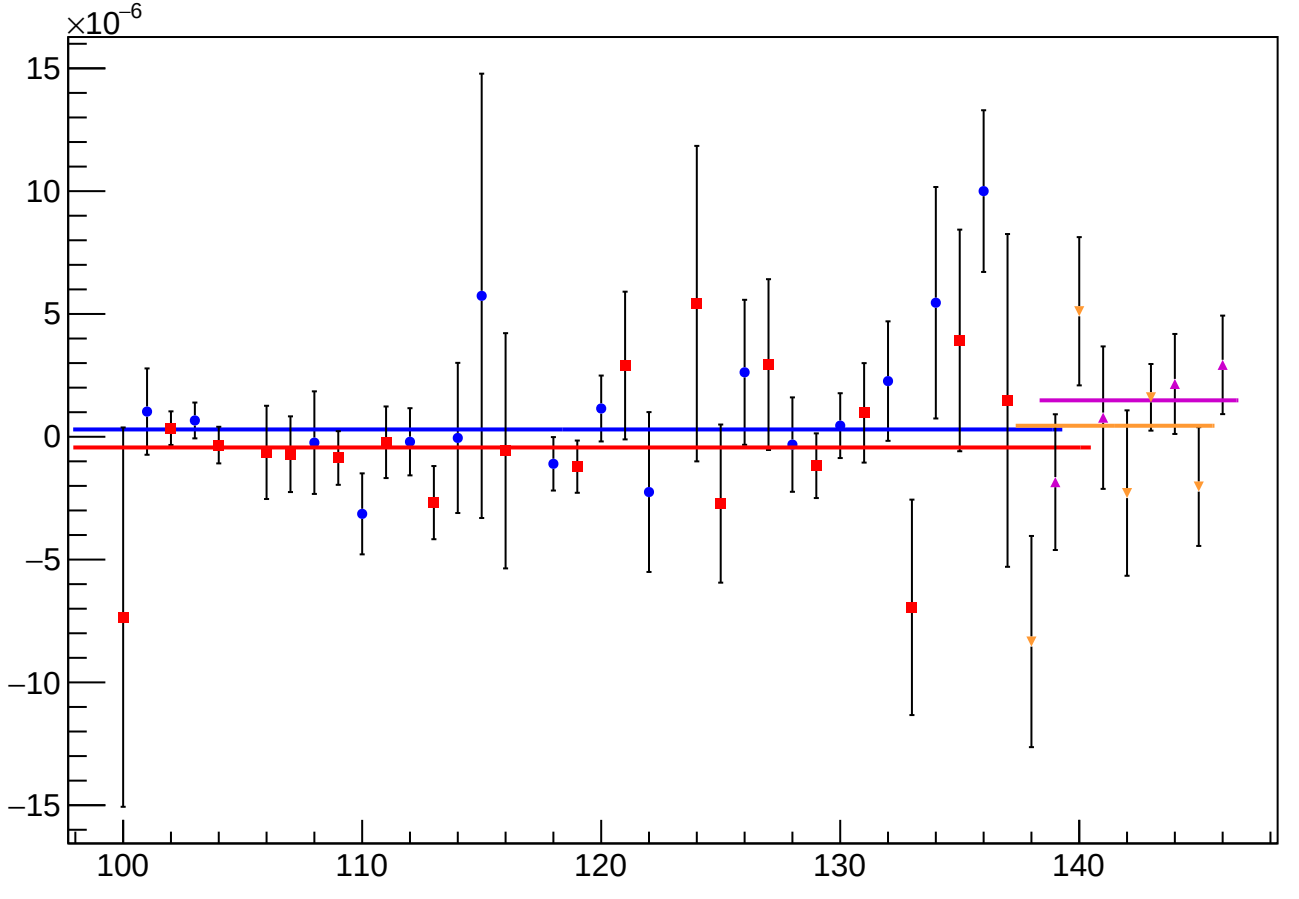
Left: 49.988+/-0.014 χ^2/NDF: 436137.6/8

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 27.819+/-0.007 χ^2/NDF:3716469.7/19

Out: 28.659+/-0.007 χ^2/NDF:3475997.9/23

All: 28.237+/-0.005 χ^2/NDF: 7199992.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/3

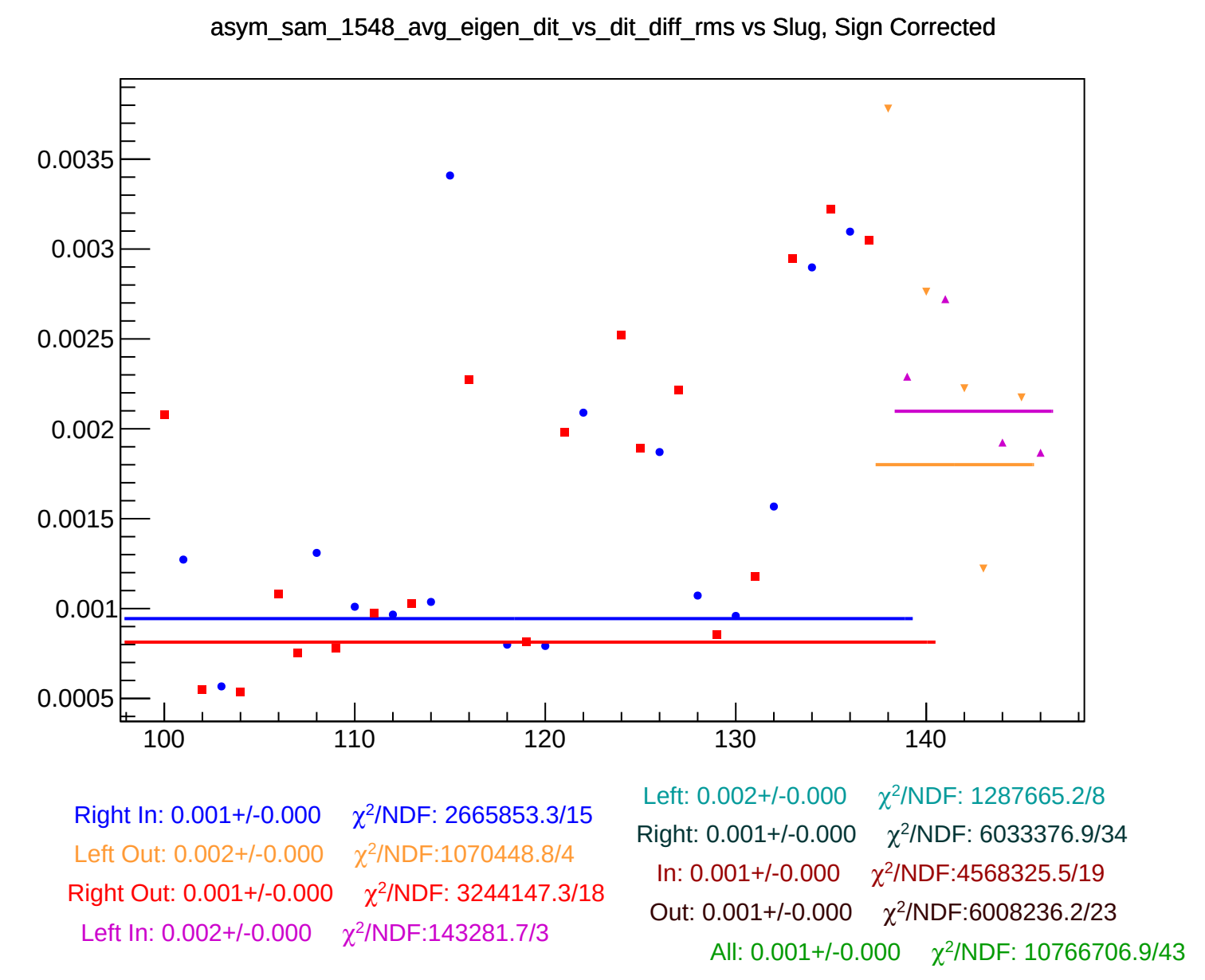
Left: 0.000+/-0.000 χ^2/NDF: 11.6/8

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

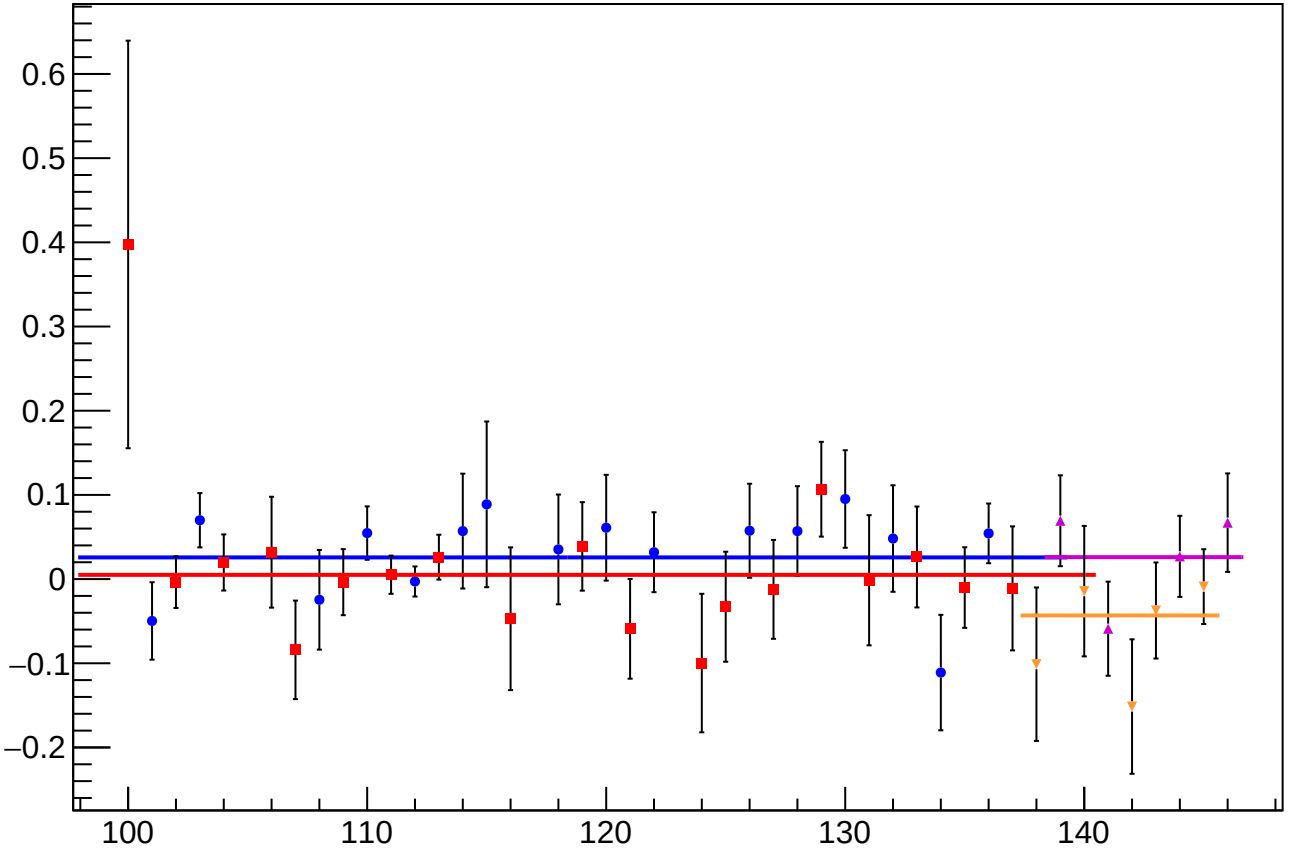
In: 0.000+/-0.000 χ^2/NDF:22.4/19

Out: -0.000+/-0.000 χ^2/NDF:22.4/23

All: -0.000+/-0.000 χ^2/NDF: 47.1/43


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
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1070448.8/4
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:143281.7/3
Left: 0.002+/-0.000 χ²/NDF: 1287665.2/8
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:4568325.5/19
Out: 0.001+/-0.000 χ²/NDF:6008236.2/23
All: 0.001+/-0.000 χ²/NDF: 10766706.9/43

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: -0.043+/-0.028 χ^2/NDF:3.0/4

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.026+/-0.027 χ^2/NDF:3.4/3

Left: -0.007+/-0.019 χ^2/NDF: 9.6/8

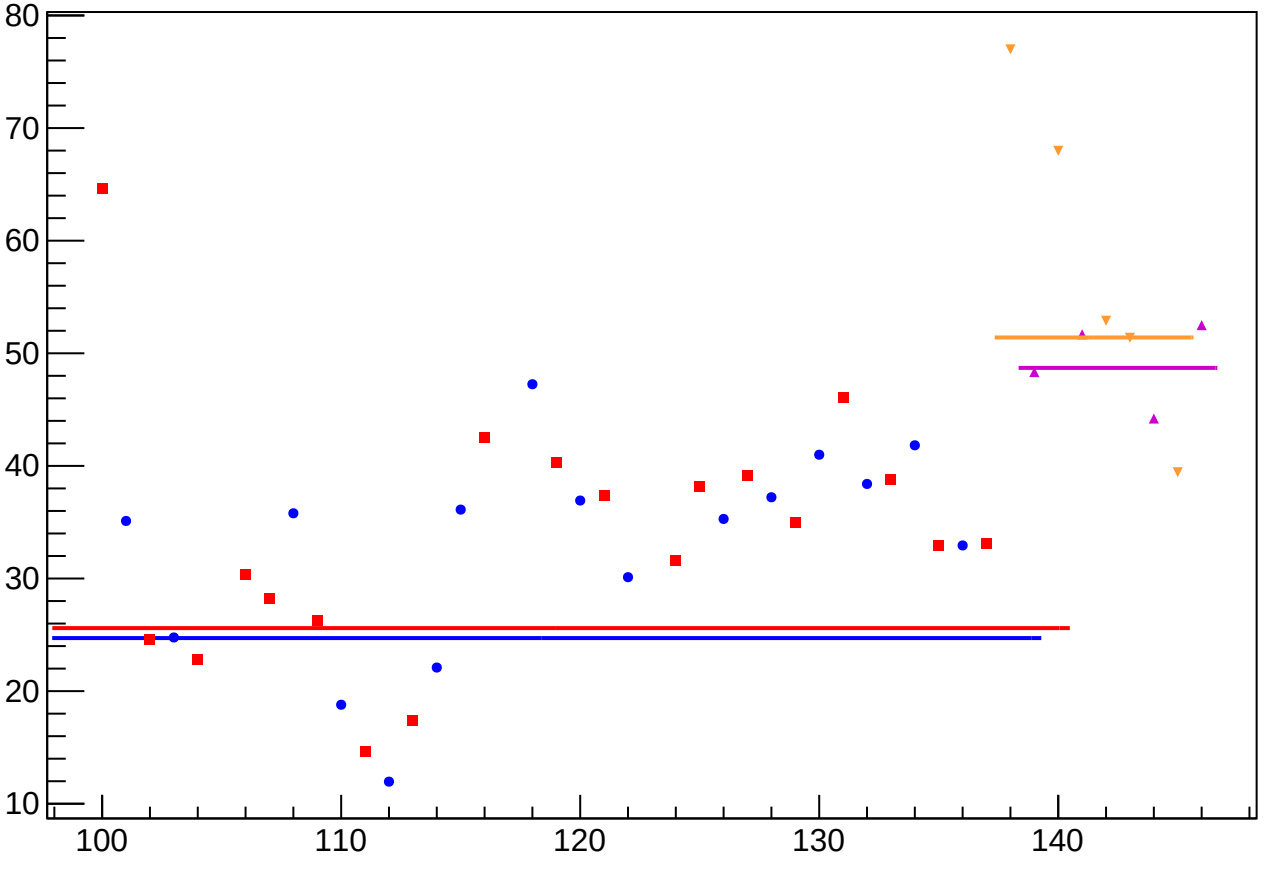
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.026+/-0.010 χ^2/NDF:20.0/19

Out: -0.001+/-0.010 χ^2/NDF:19.2/23

All: 0.013+/-0.007 χ^2/NDF: 42.9/43

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 51.405+/-0.020 χ^2/NDF:394858.6/4

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 48.704+/-0.019 χ^2/NDF:31652.3/3

Left: 49.988+/-0.014 χ^2/NDF: 436127.6/8

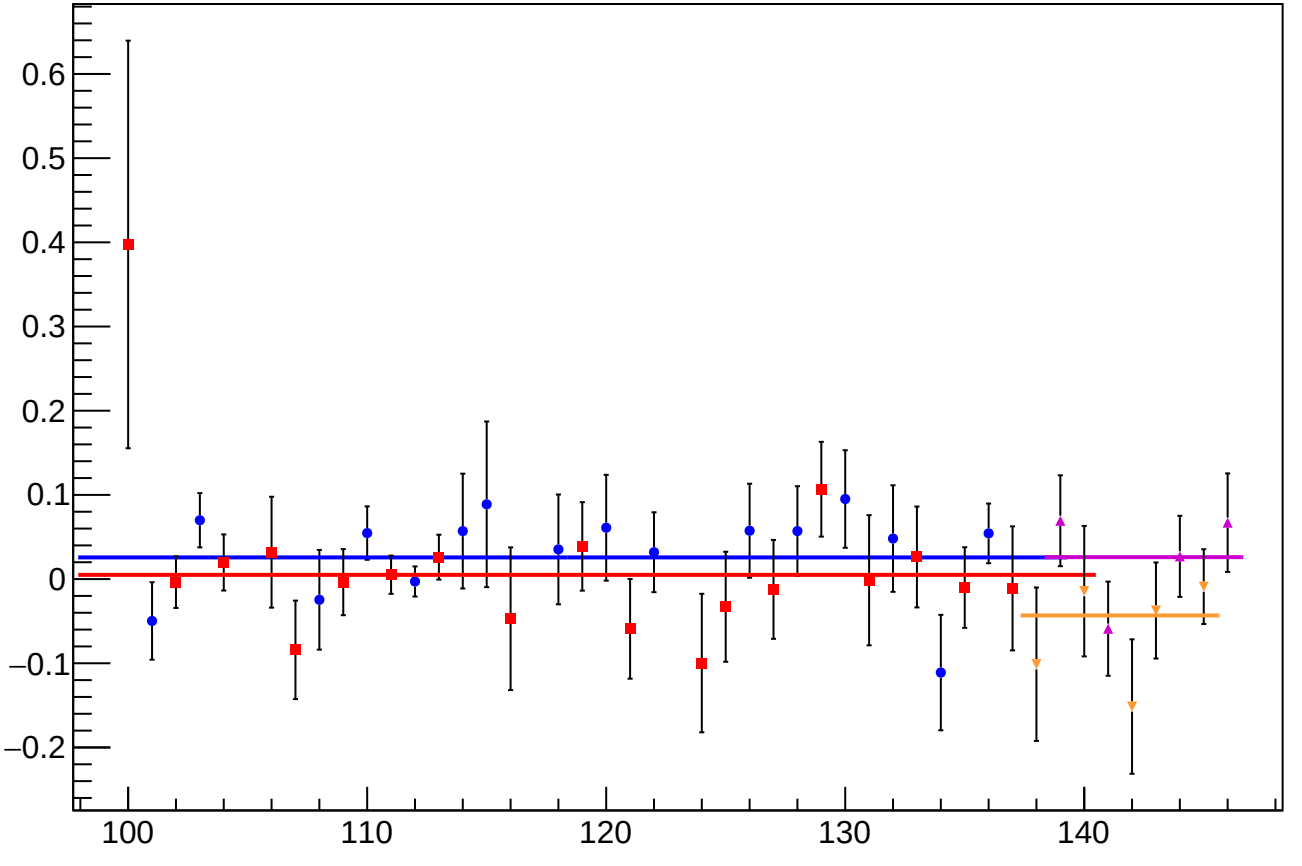
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 27.818+/-0.007 χ^2/NDF:3716763.5/19

Out: 28.659+/-0.007 χ^2/NDF:3476228.1/23

All: 28.236+/-0.005 χ^2/NDF: 7200519.6/43

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: -0.043+/-0.028 χ^2/NDF:3.0/4

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.026+/-0.027 χ^2/NDF:3.4/3

Left: -0.007+/-0.019 χ^2/NDF: 9.6/8

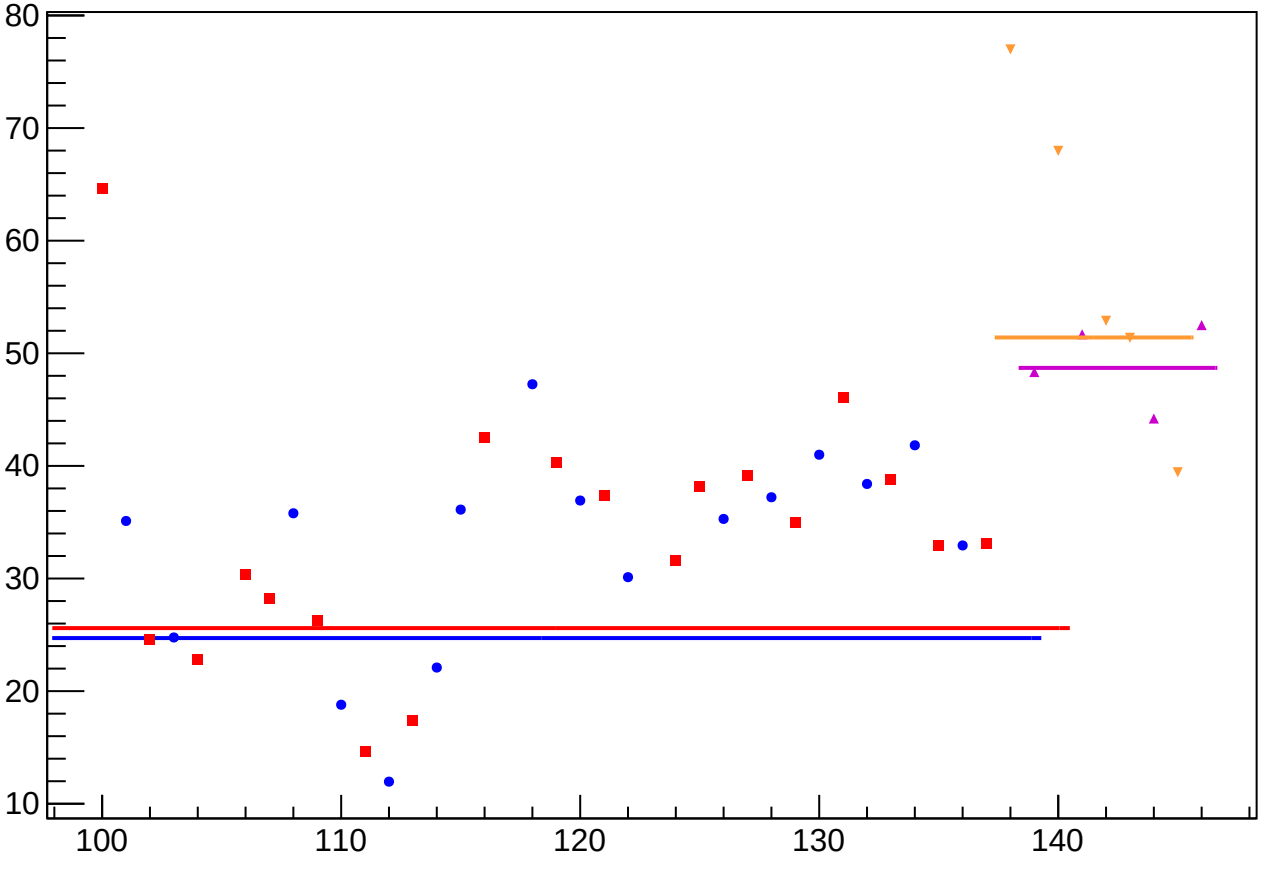
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.026+/-0.010 χ^2/NDF:20.0/19

Out: -0.001+/-0.010 χ^2/NDF:19.2/23

All: 0.013+/-0.007 χ^2/NDF: 42.9/43

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 51.405+/-0.020 χ^2/NDF:394858.6/4

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 48.704+/-0.019 χ^2/NDF:31652.3/3

Left: 49.988+/-0.014 χ^2/NDF: 436127.6/8

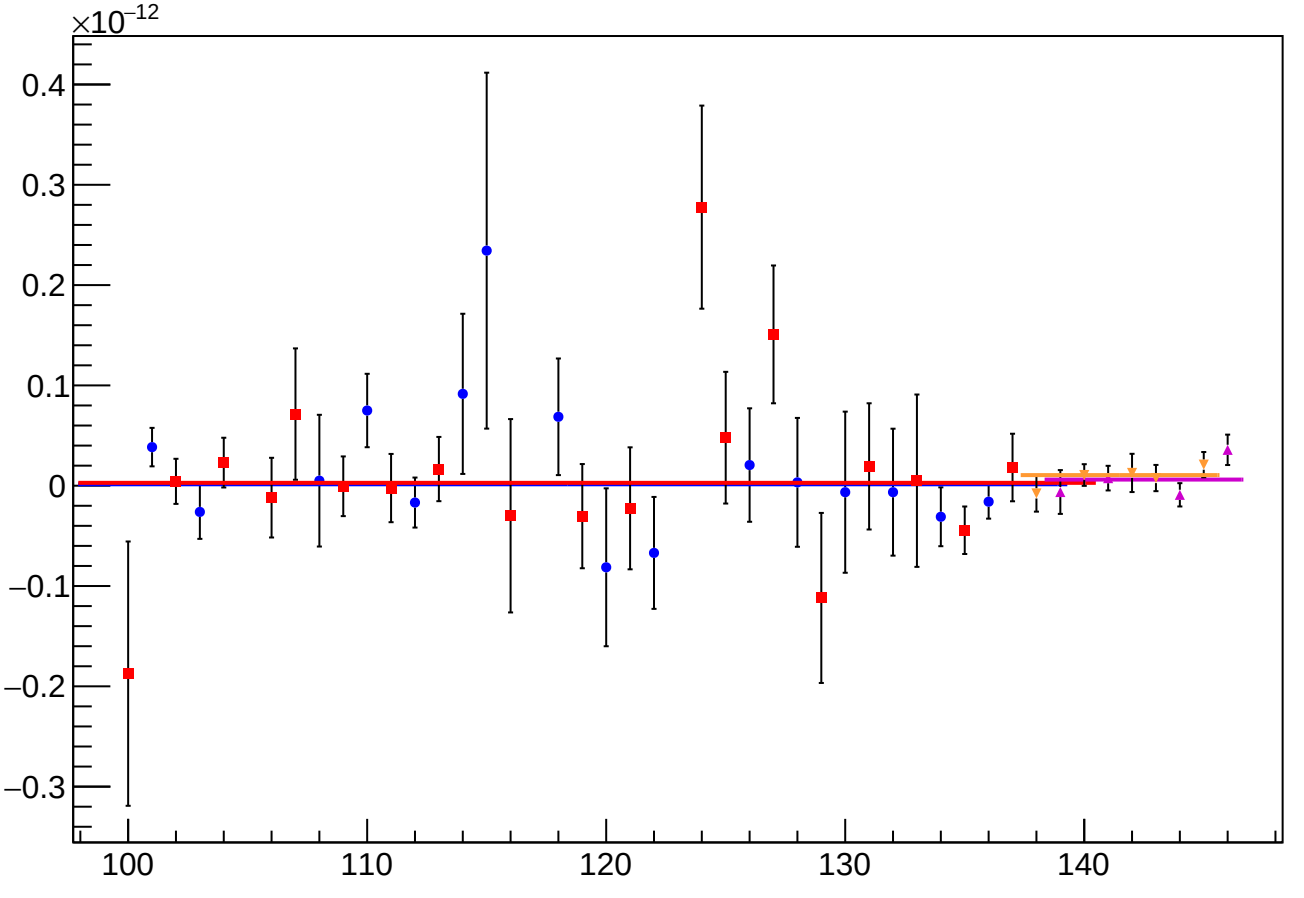
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 27.818+/-0.007 χ^2/NDF:3716763.5/19

Out: 28.659+/-0.007 χ^2/NDF:3476228.1/23

All: 28.236+/-0.005 χ^2/NDF: 7200519.6/43

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/3

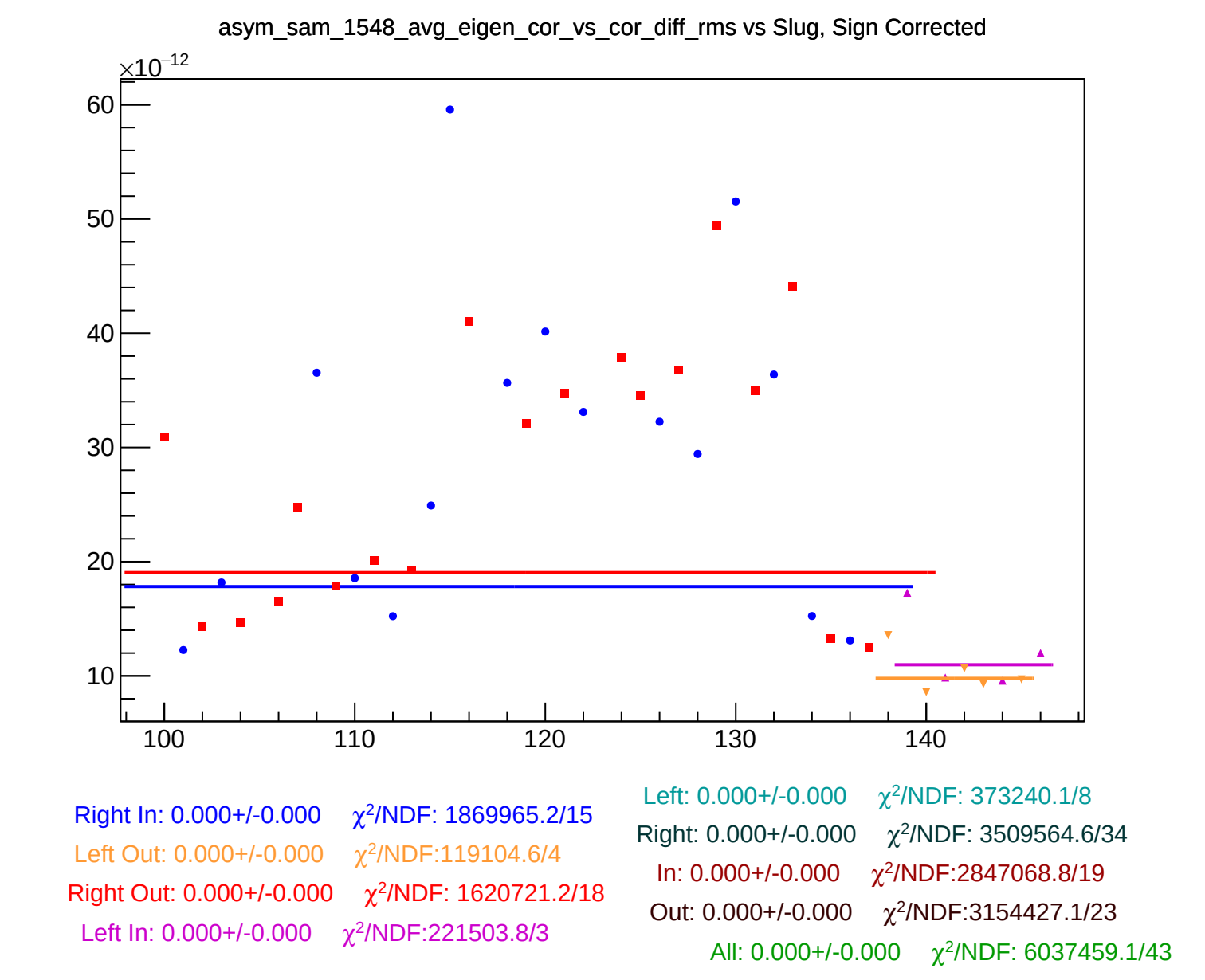
Left: 0.000+/-0.000 χ^2/NDF: 7.9/8

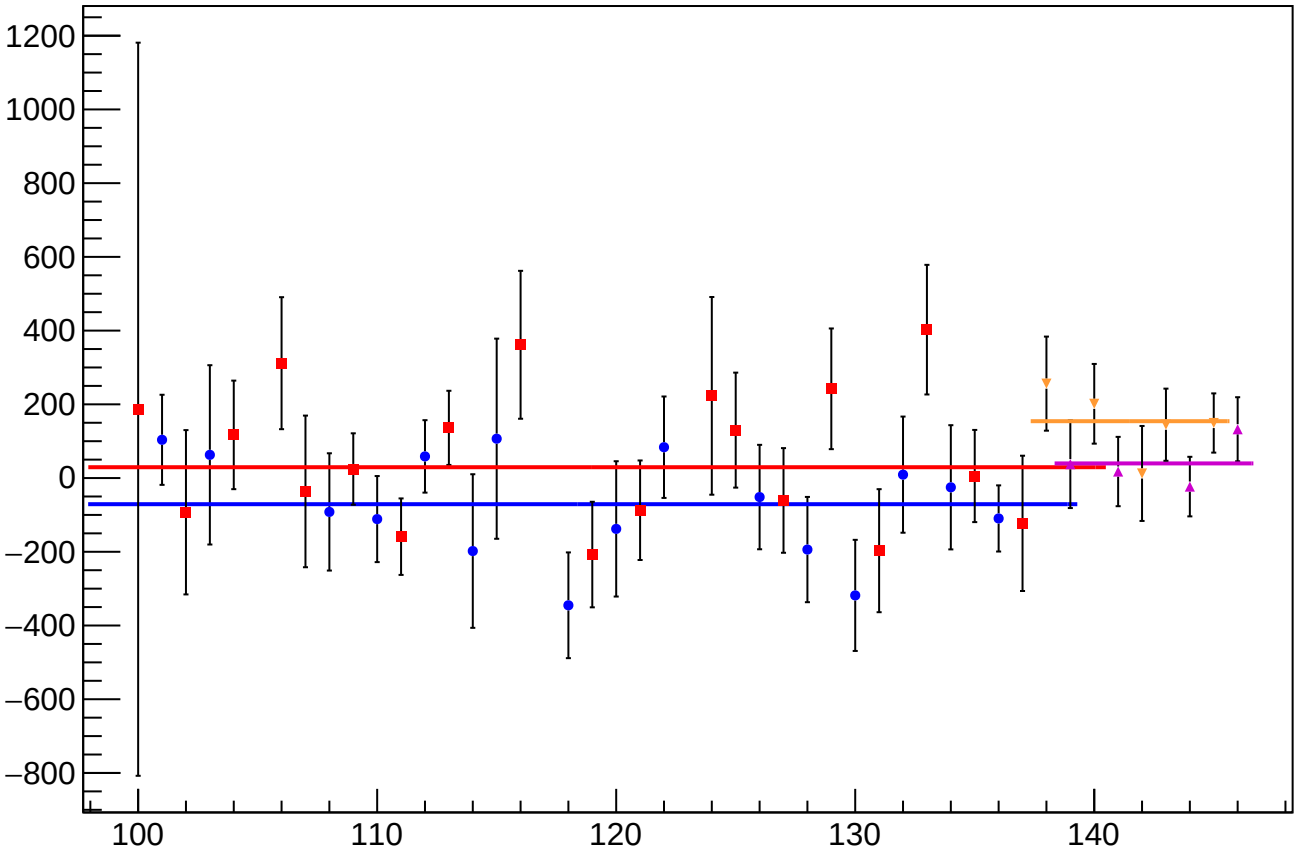
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:24.8/19

Out: 0.000+/-0.000 χ^2/NDF:25.7/23

All: 0.000+/-0.000 χ^2/NDF: 50.8/43


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
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:119104.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:221503.8/3
Left: 0.000+/-0.000 χ²/NDF: 373240.1/8
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:2847068.8/19
Out: 0.000+/-0.000 χ²/NDF:3154427.1/23
All: 0.000+/-0.000 χ²/NDF: 6037459.1/43



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 154.261+/-46.295 χ^2/NDF:2.1/4

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 39.730+/-46.164 χ^2/NDF:1.8/3

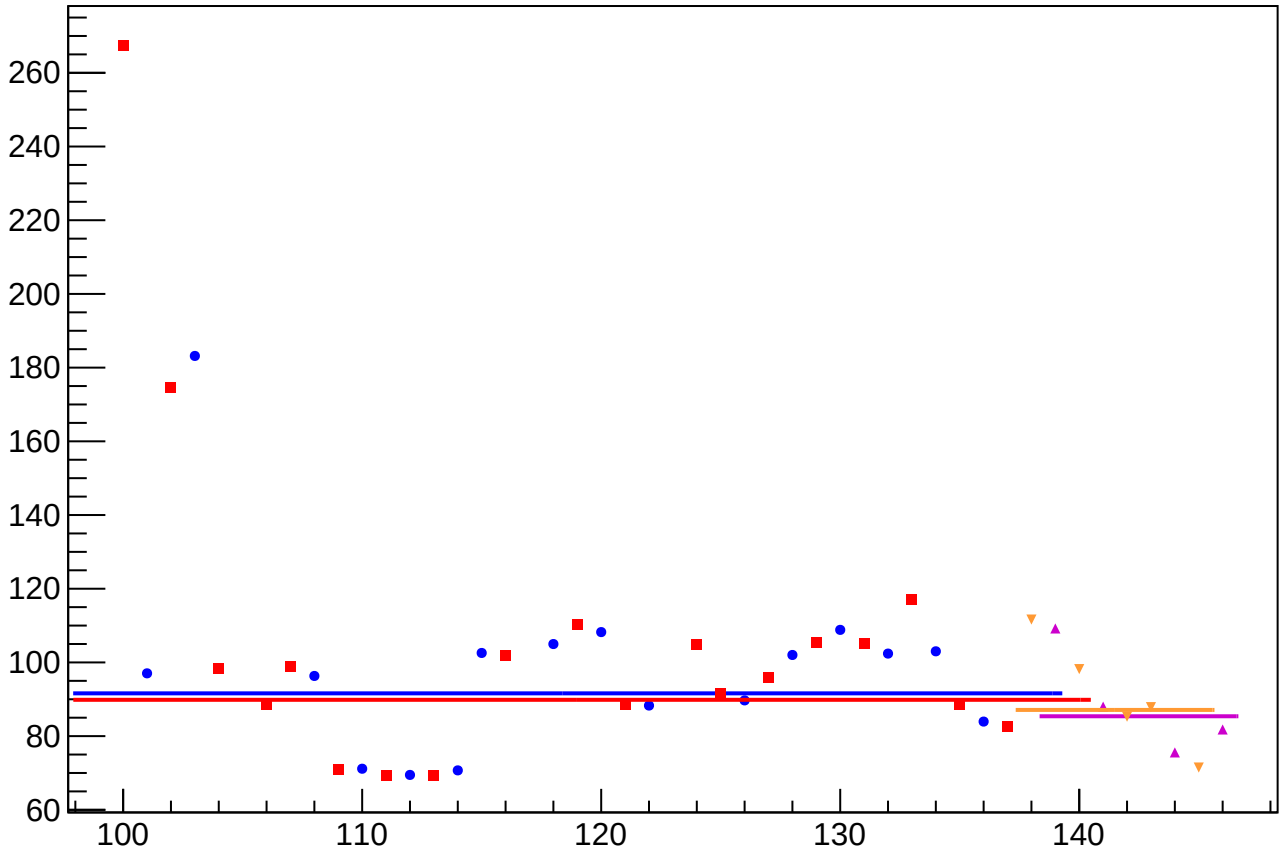
Left: 96.833+/-32.689 χ^2/NDF: 6.9/8

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: -30.335+/-27.952 χ^2/NDF:19.5/19

Out: 73.561+/-27.530 χ^2/NDF:30.8/23

All: 22.402+/-19.614 χ^2/NDF: 57.3/43



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 87.110+/-0.033 χ^2/NDF:171050.7/4

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

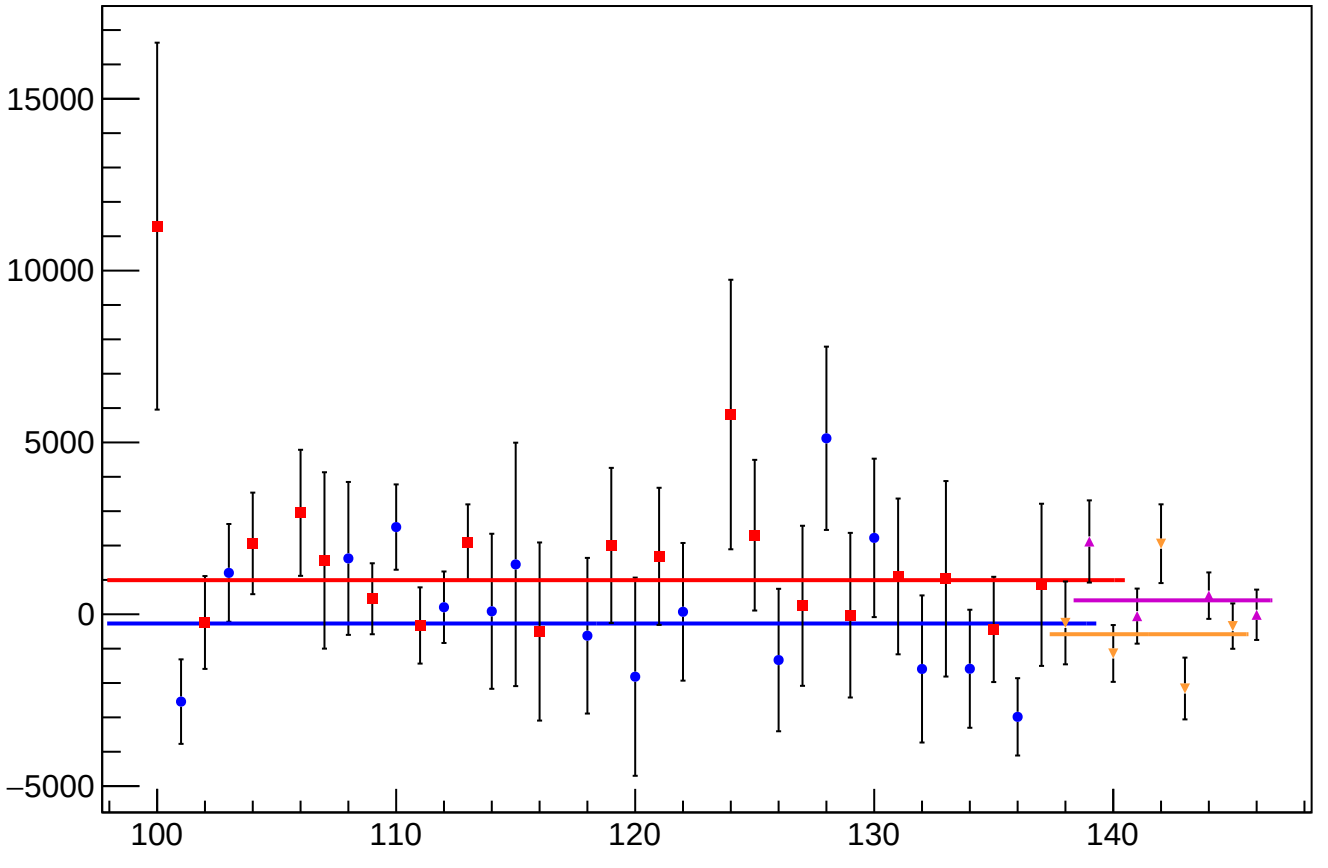
Left: 86.247+/-0.023 χ^2/NDF: 287016.5/8

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 89.328+/-0.020 χ^2/NDF:718241.2/19

Out: 88.884+/-0.019 χ^2/NDF:921884.0/23

All: 89.103+/-0.014 χ^2/NDF: 1640381.6/43



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -580.244+/-393.870 χ^2/NDF:9.0/4

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 405.379+/-398.110 χ^2/NDF:2.7/3

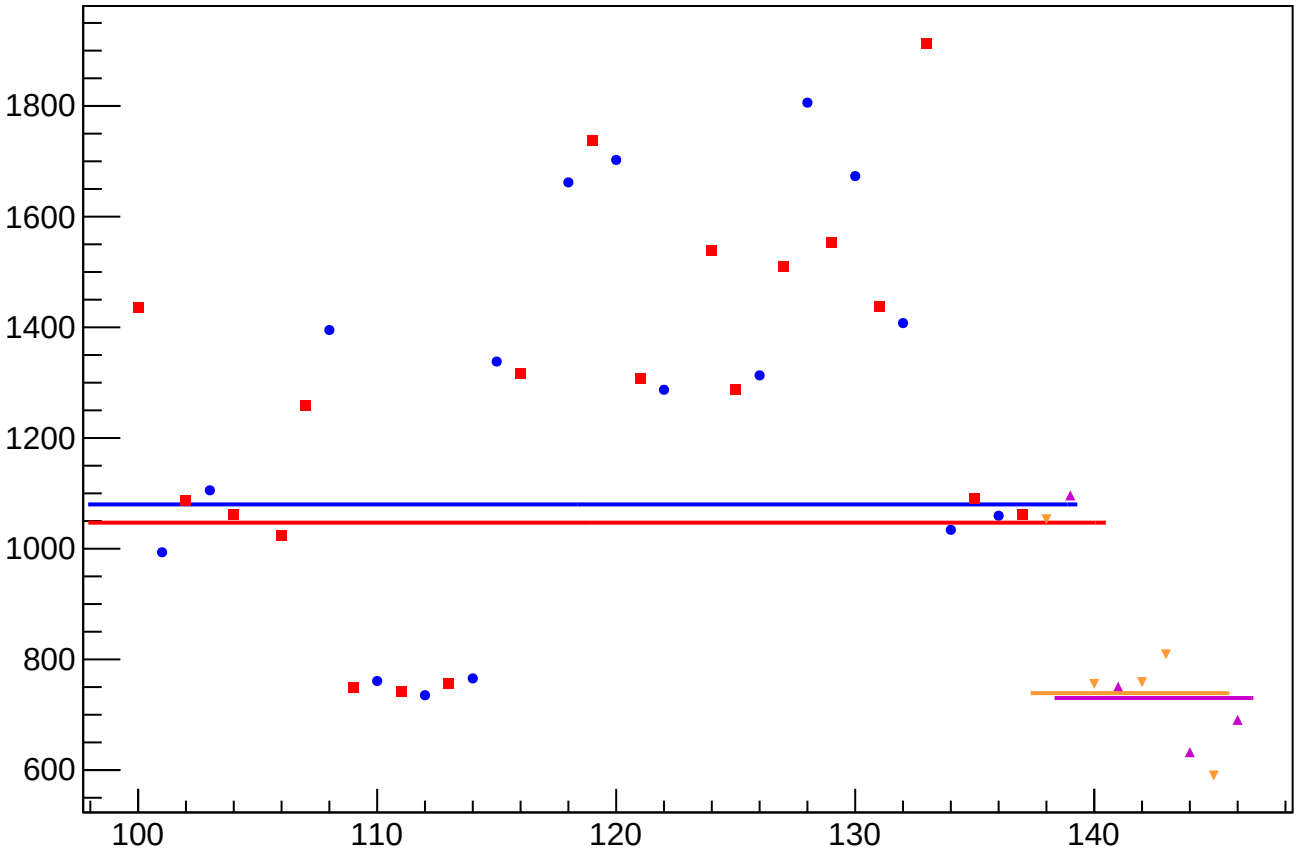
Left: -92.709+/-279.995 χ^2/NDF: 14.9/8

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 86.127+/-288.797 χ^2/NDF:27.6/19

Out: 192.450+/-280.935 χ^2/NDF:29.5/23

All: 140.755+/-201.373 χ^2/NDF: 57.2/43



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 739.040+/-0.279 χ^2/NDF:251035.2/4

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 730.237+/-0.282 χ^2/NDF:236446.3/3

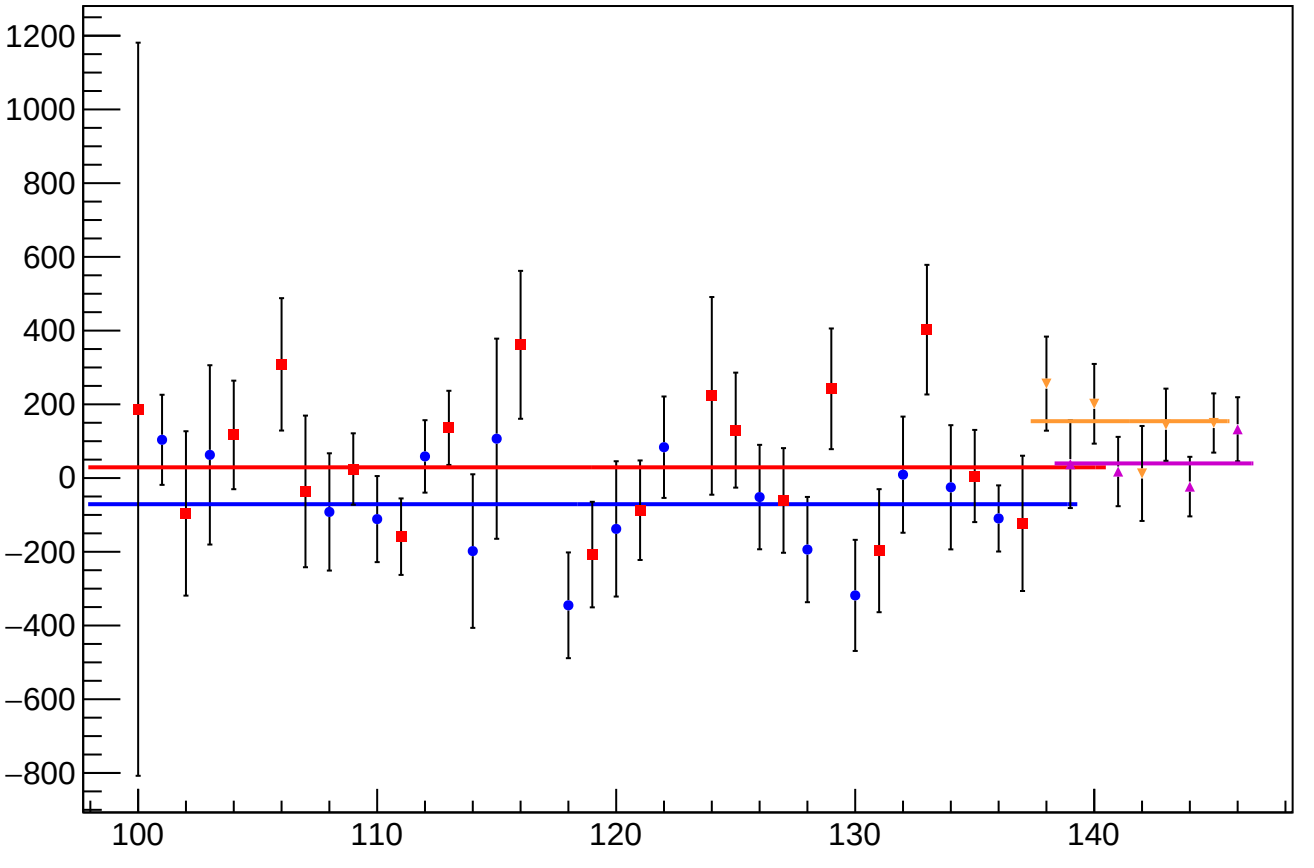
Left: 734.685+/-0.198 χ^2/NDF: 487975.6/8

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 895.963+/-0.204 χ^2/NDF:2021467.3/19

Out: 890.358+/-0.199 χ^2/NDF:2050588.5/23

All: 893.084+/-0.142 χ^2/NDF: 4072442.9/43



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 154.274+/-46.295 χ^2/NDF:2.1/4

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 39.736+/-46.164 χ^2/NDF:1.8/3

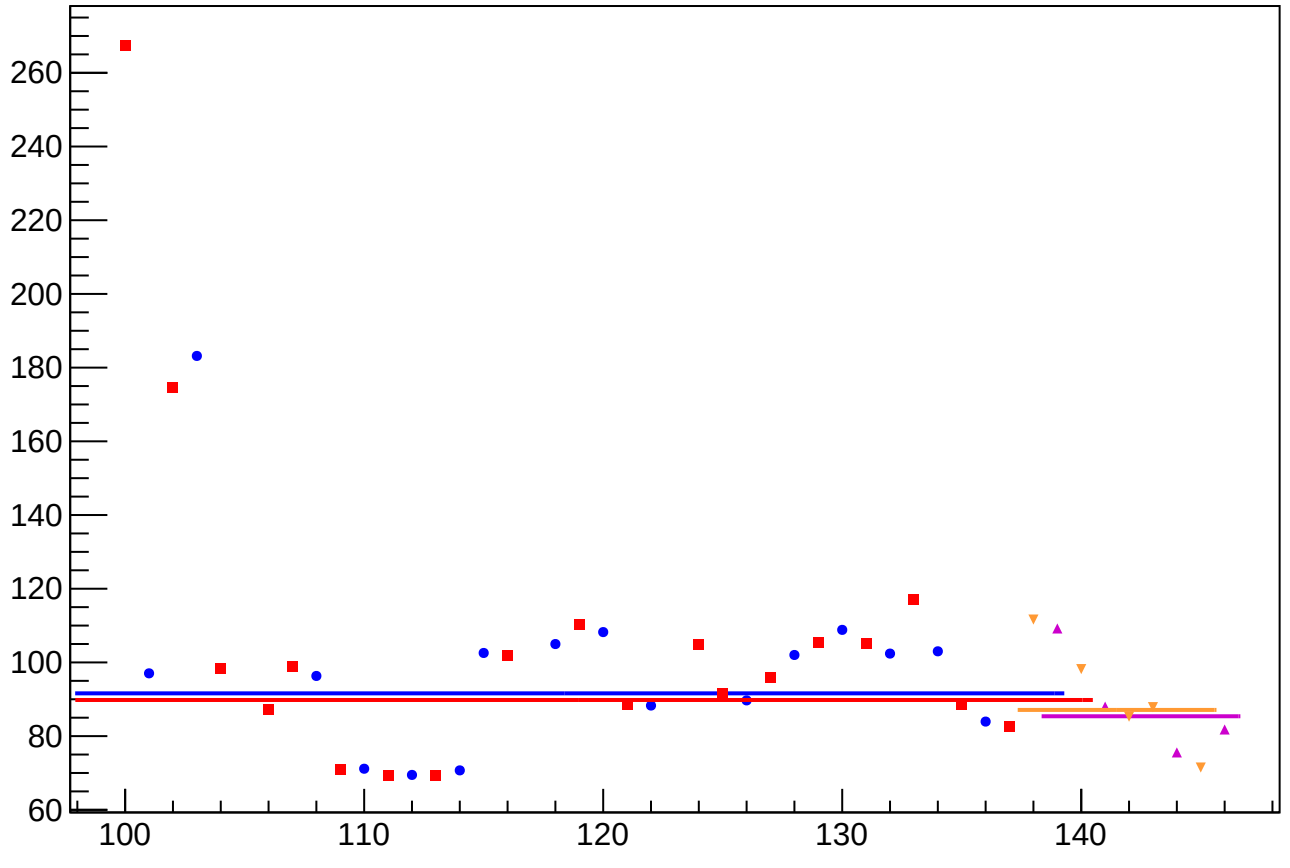
Left: 96.842+/-32.689 χ^2/NDF: 6.9/8

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -30.340+/-27.952 χ^2/NDF:19.5/19

Out: 73.411+/-27.533 χ^2/NDF:30.7/23

All: 22.319+/-19.615 χ^2/NDF: 57.2/43



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 87.110+/-0.033 χ^2/NDF:171050.7/4

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

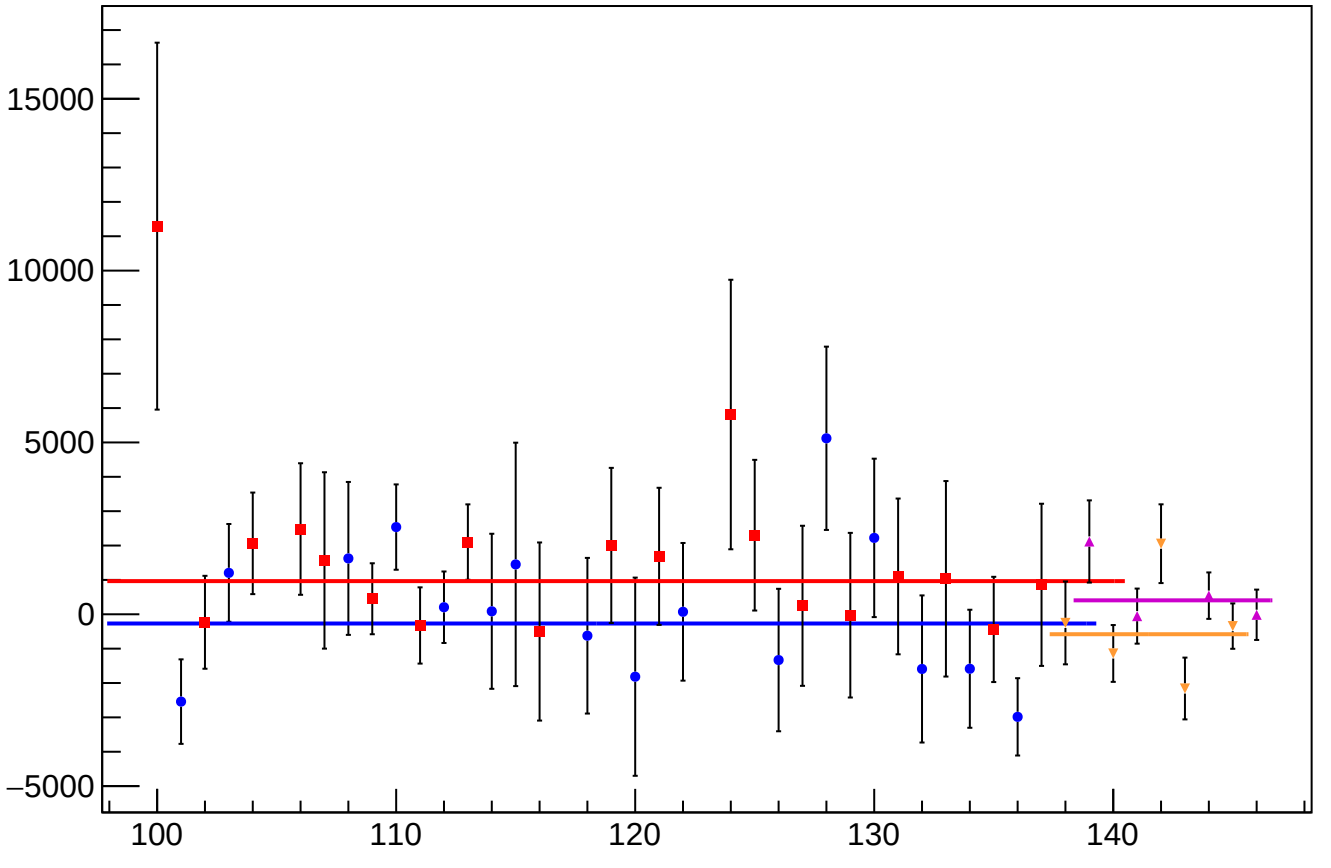
Left: 86.247+/-0.023 χ^2/NDF: 287016.5/8

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.328+/-0.020 χ^2/NDF:718244.3/19

Out: 88.853+/-0.019 χ^2/NDF:922272.2/23

All: 89.087+/-0.014 χ^2/NDF: 1640809.7/43



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -580.233+/-393.870 χ^2/NDF:9.0/4

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 405.388+/-398.110 χ^2/NDF:2.7/3

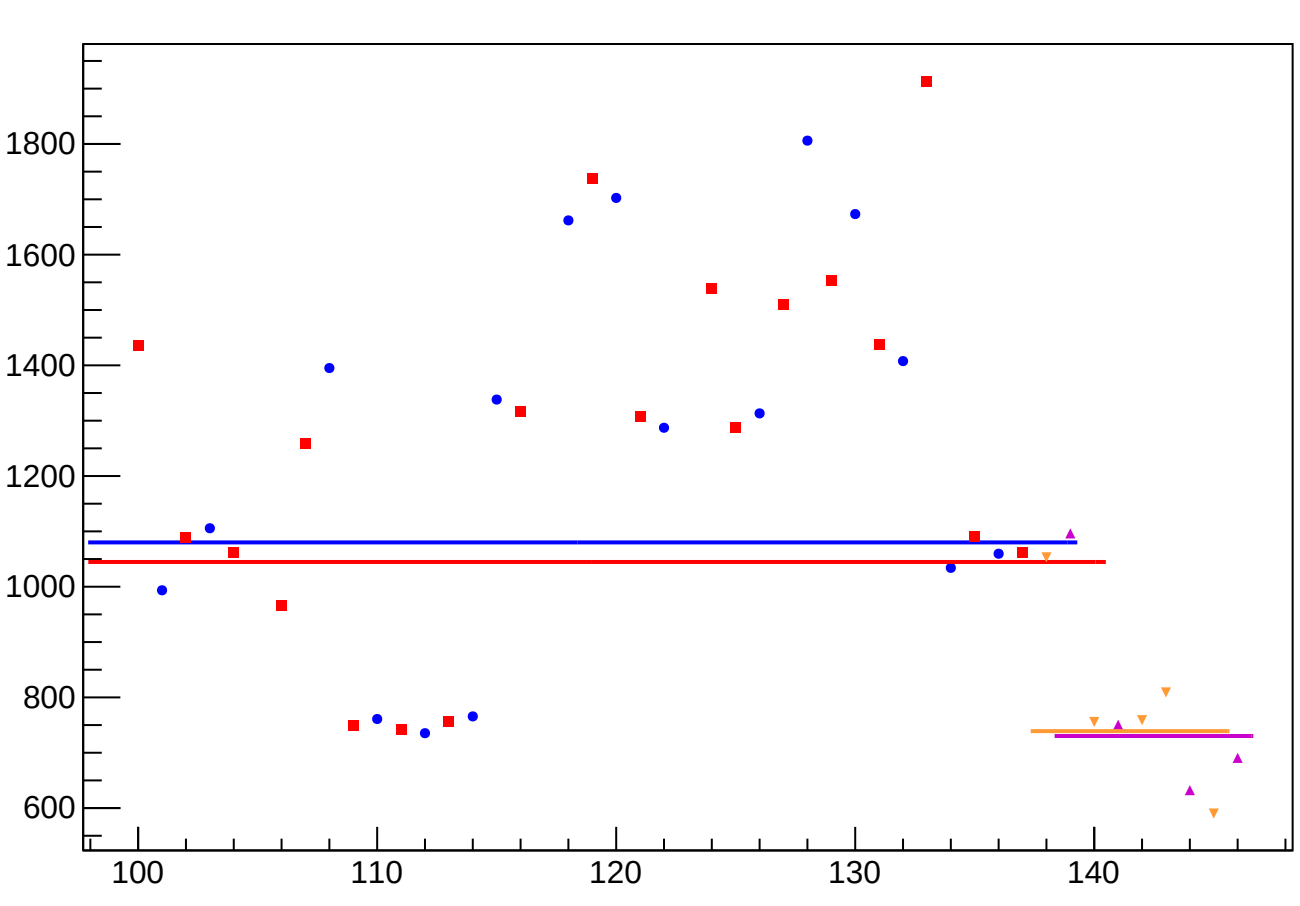
Left: -92.700+/-279.995 χ^2/NDF: 14.9/8

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 86.124+/-288.799 χ^2/NDF:27.6/19

Out: 177.299+/-281.212 χ^2/NDF:28.7/23

All: 132.925+/-201.476 χ^2/NDF: 56.3/43



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 739.039+/-0.279 χ^2/NDF:251035.1/4

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 730.237+/-0.282 χ^2/NDF:236445.8/3

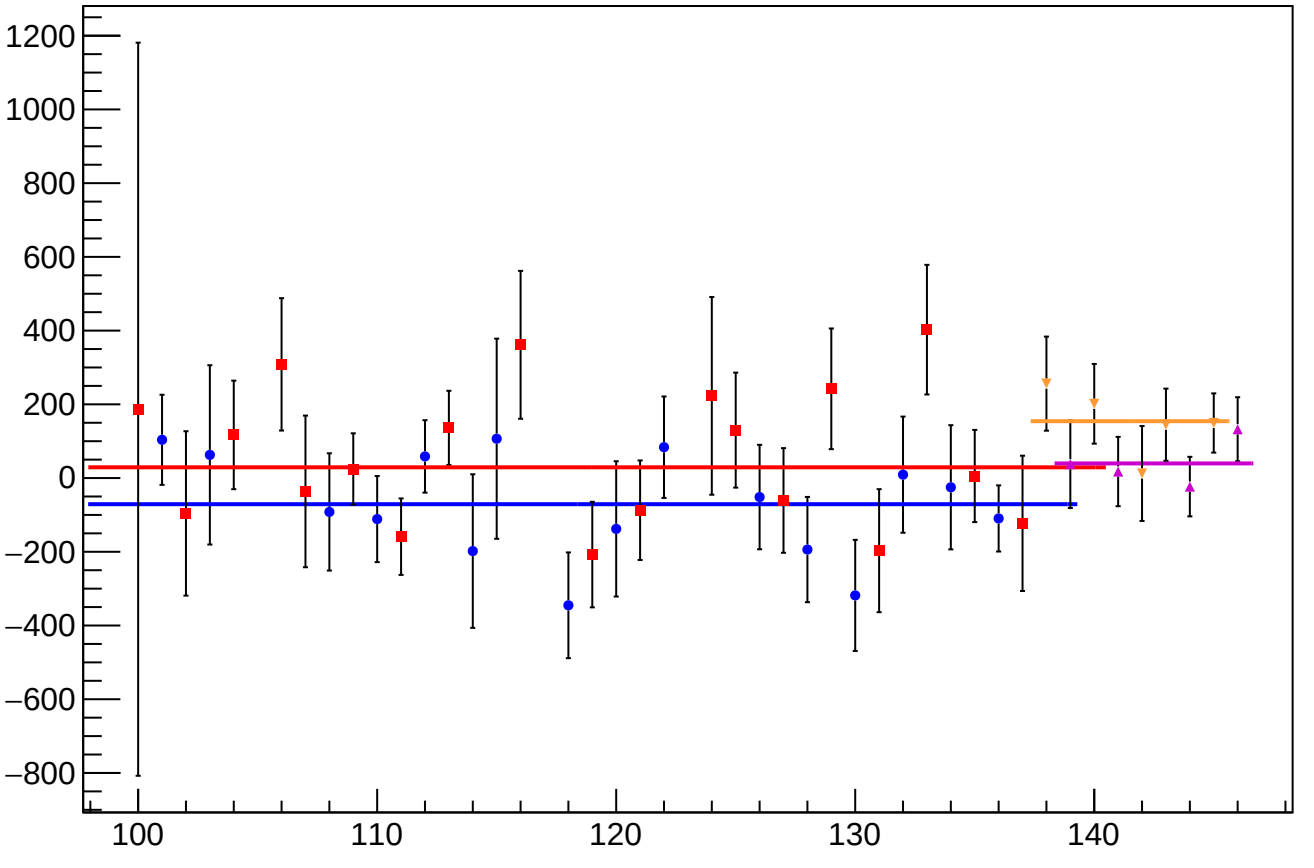
Left: 734.685+/-0.198 χ^2/NDF: 487974.9/8

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 895.966+/-0.204 χ^2/NDF:2021501.5/19

Out: 888.895+/-0.199 χ^2/NDF:2043419.5/23

All: 892.337+/-0.142 χ^2/NDF: 4065536.5/43



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 154.274+/-46.295 χ^2/NDF:2.1/4

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 39.736+/-46.164 χ^2/NDF:1.8/3

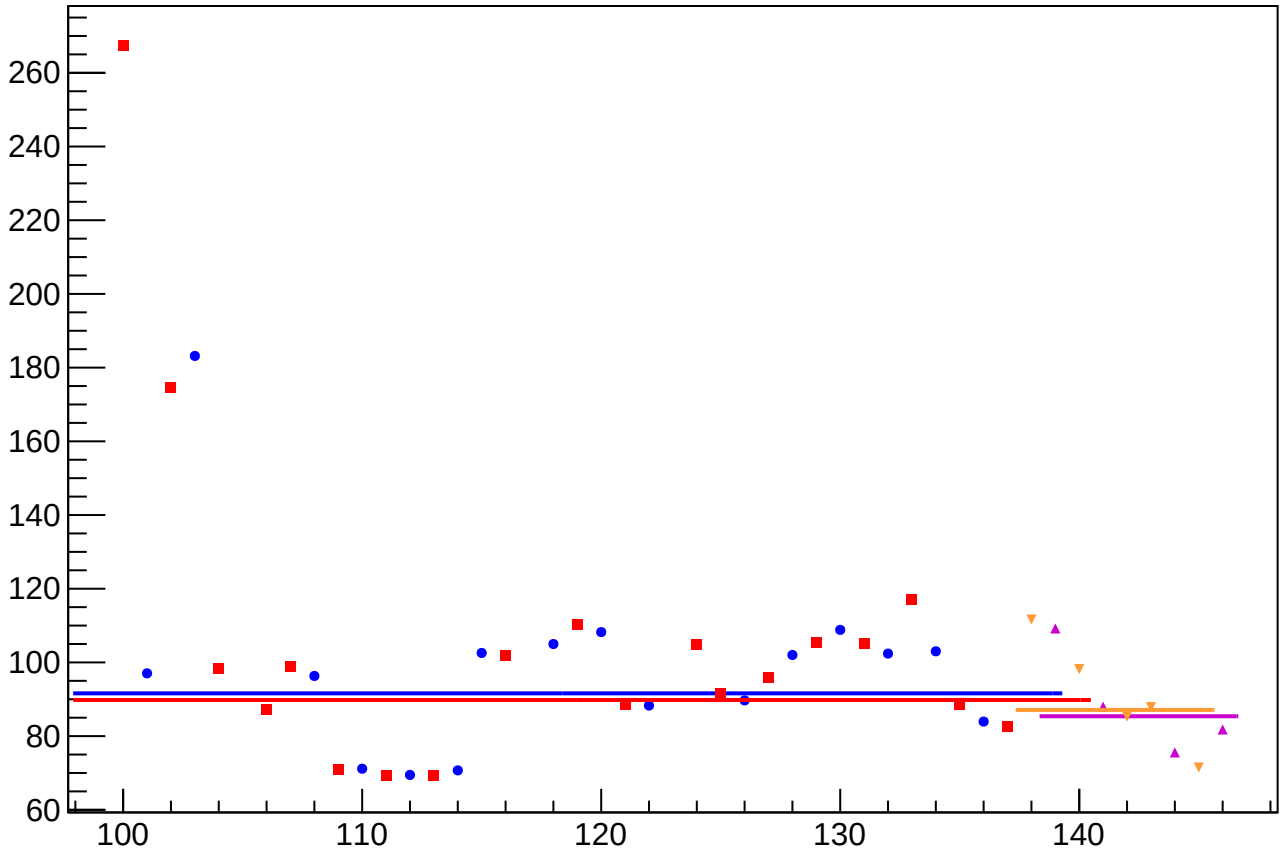
Left: 96.842+/-32.689 χ^2/NDF: 6.9/8

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -30.340+/-27.952 χ^2/NDF:19.5/19

Out: 73.411+/-27.533 χ^2/NDF:30.7/23

All: 22.319+/-19.615 χ^2/NDF: 57.2/43



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 87.110+/-0.033 χ^2/NDF:171050.7/4

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

Left: 86.247+/-0.023 χ^2/NDF: 287016.5/8

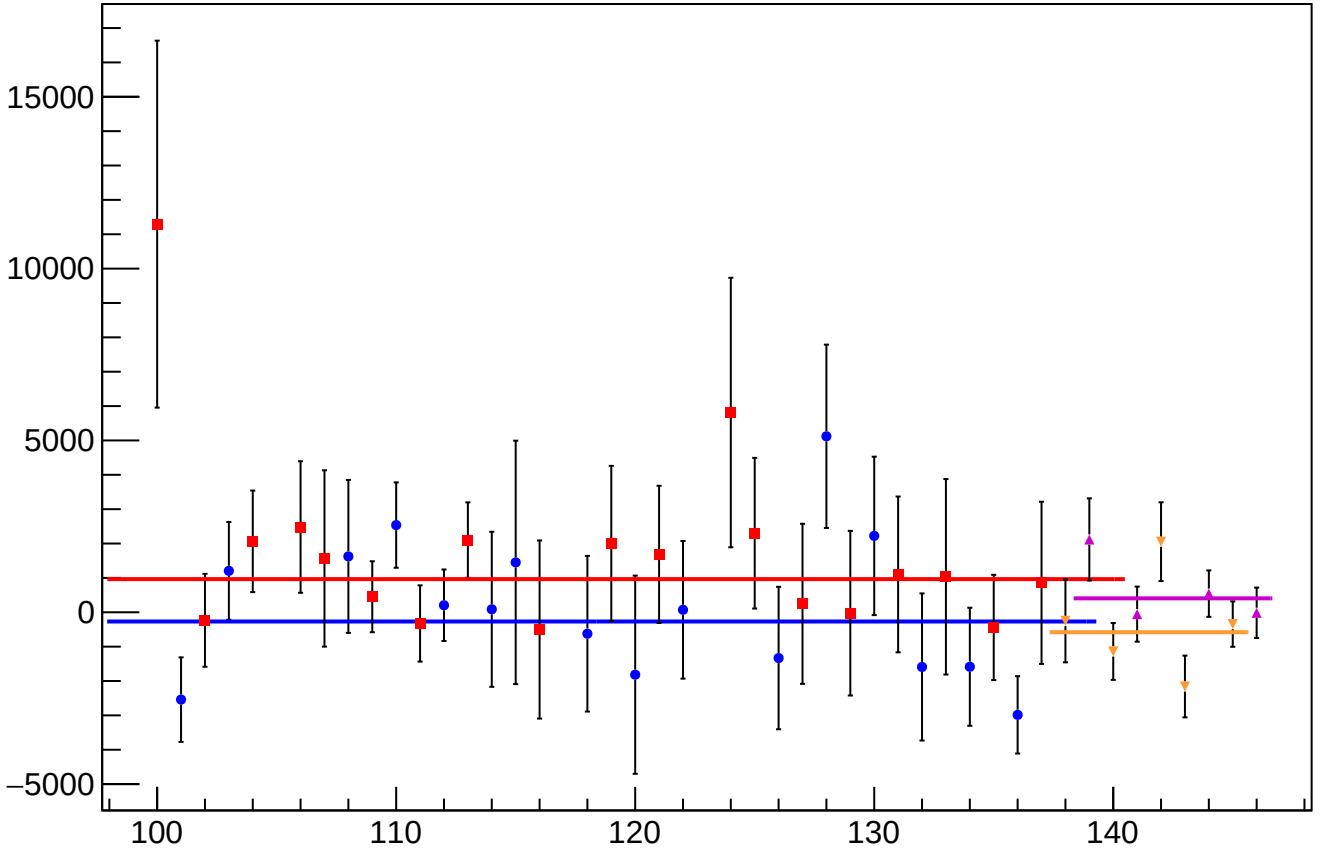
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.328+/-0.020 χ^2/NDF:718244.3/19

Out: 88.853+/-0.019 χ^2/NDF:922272.2/23

All: 89.087+/-0.014 χ^2/NDF: 1640809.7/43

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: -580.233+/-393.870 χ^2/NDF:9.0/4

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 405.388+/-398.110 χ^2/NDF:2.7/3

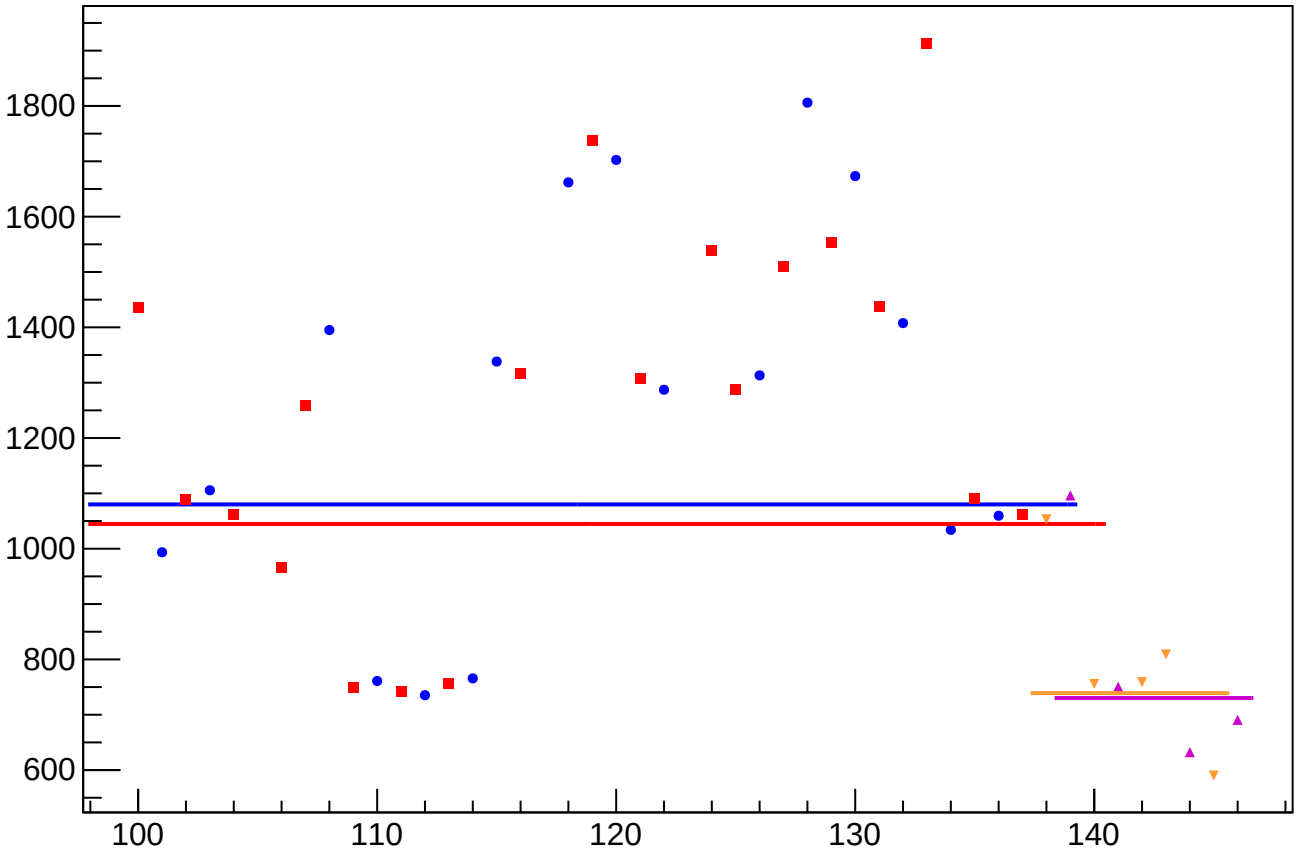
Left: -92.700+/-279.995 χ^2/NDF: 14.9/8

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 86.124+/-288.799 χ^2/NDF:27.6/19

Out: 177.299+/-281.212 χ^2/NDF:28.7/23

All: 132.925+/-201.476 χ^2/NDF: 56.3/43



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 739.039+/-0.279 χ^2/NDF:251035.1/4

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 730.237+/-0.282 χ^2/NDF:236445.8/3

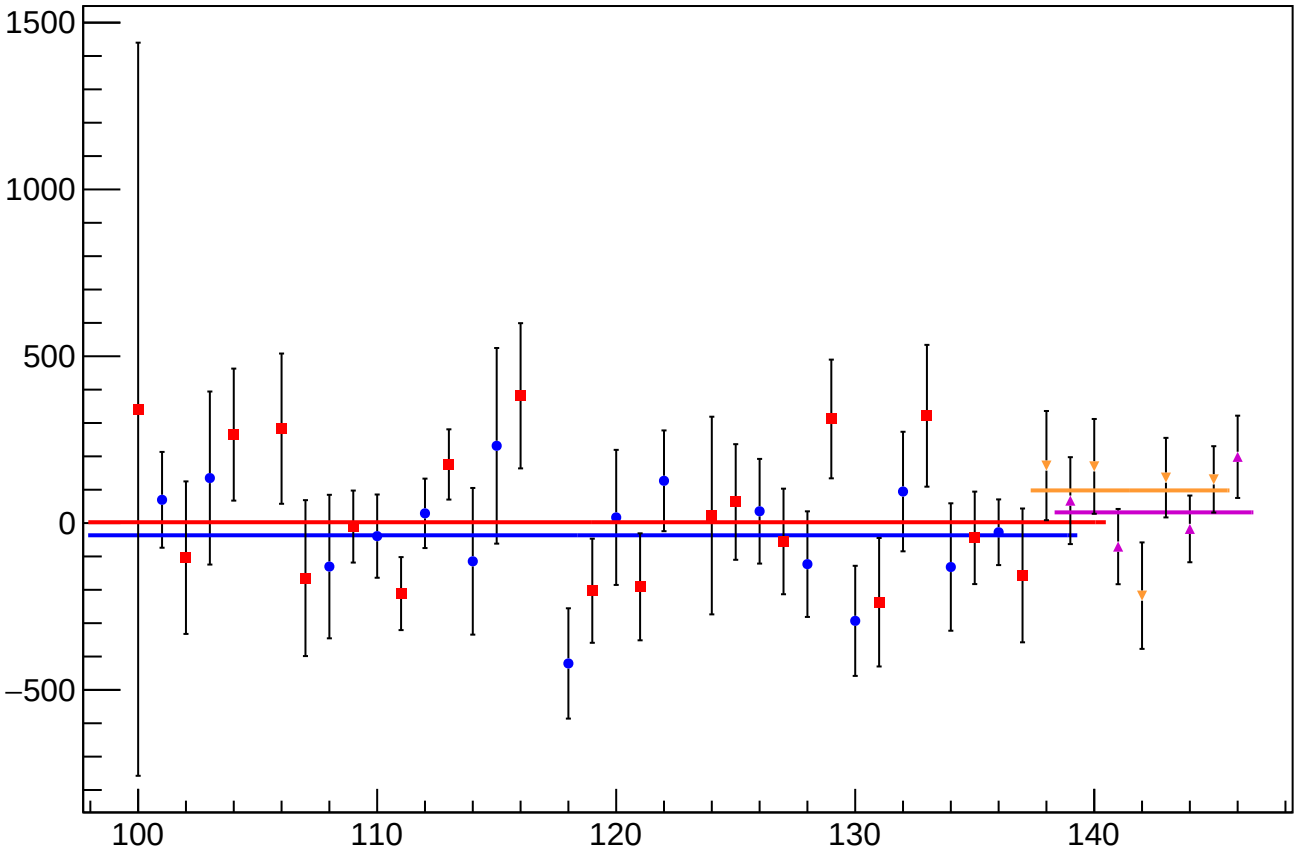
Left: 734.685+/-0.198 χ^2/NDF: 487974.9/8

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 895.966+/-0.204 χ^2/NDF:2021501.5/19

Out: 888.895+/-0.199 χ^2/NDF:2043419.5/23

All: 892.337+/-0.142 χ^2/NDF: 4065536.5/43



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 97.906+/-57.970 χ^2/NDF:4.6/4

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 32.110+/-57.413 χ^2/NDF:3.0/3

Left: 64.691+/-40.793 χ^2/NDF: 8.2/8

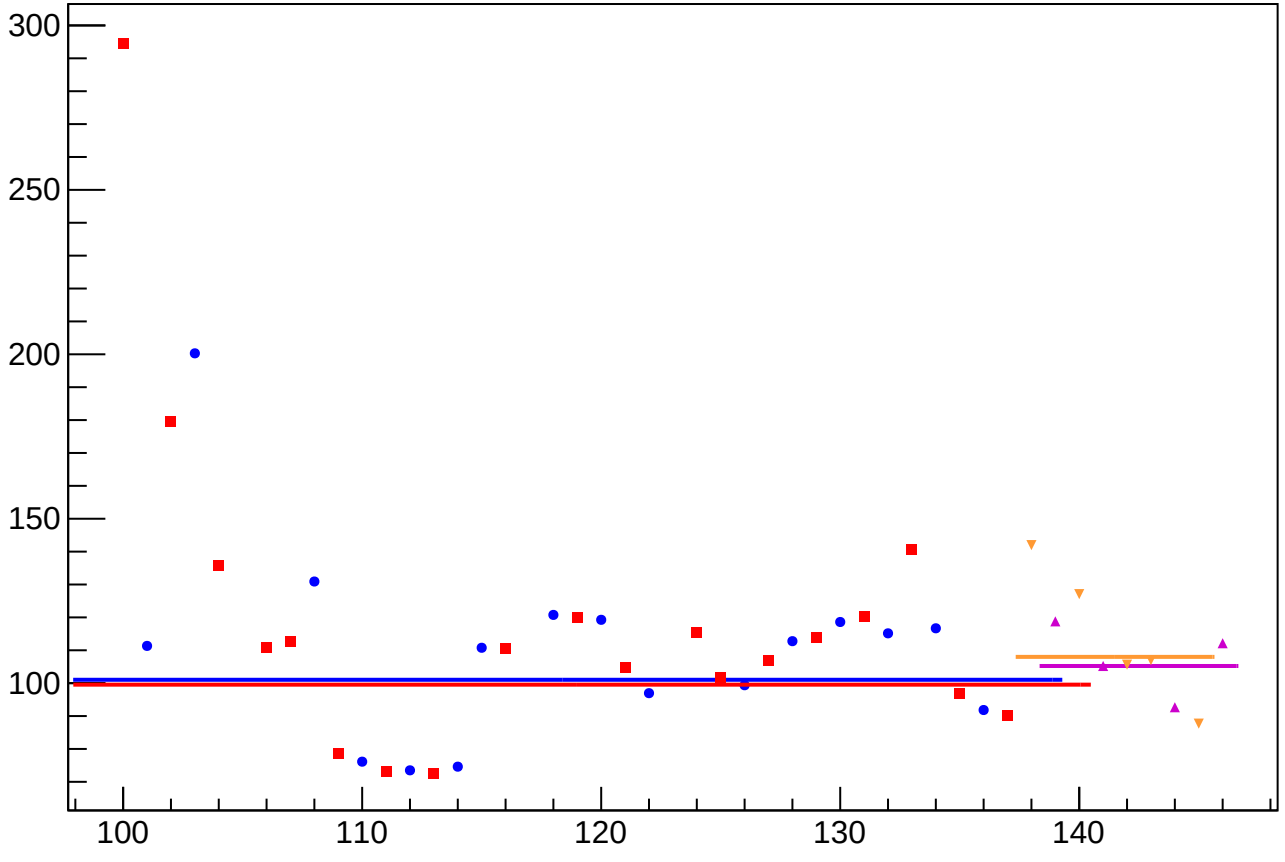
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: -14.906+/-32.256 χ^2/NDF:16.8/19

Out: 31.395+/-31.877 χ^2/NDF:31.2/23

All: 8.518+/-22.673 χ^2/NDF: 49.1/43

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.995+/-0.041 χ^2/NDF:206140.0/4

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 105.223+/-0.041 χ^2/NDF:59513.9/3

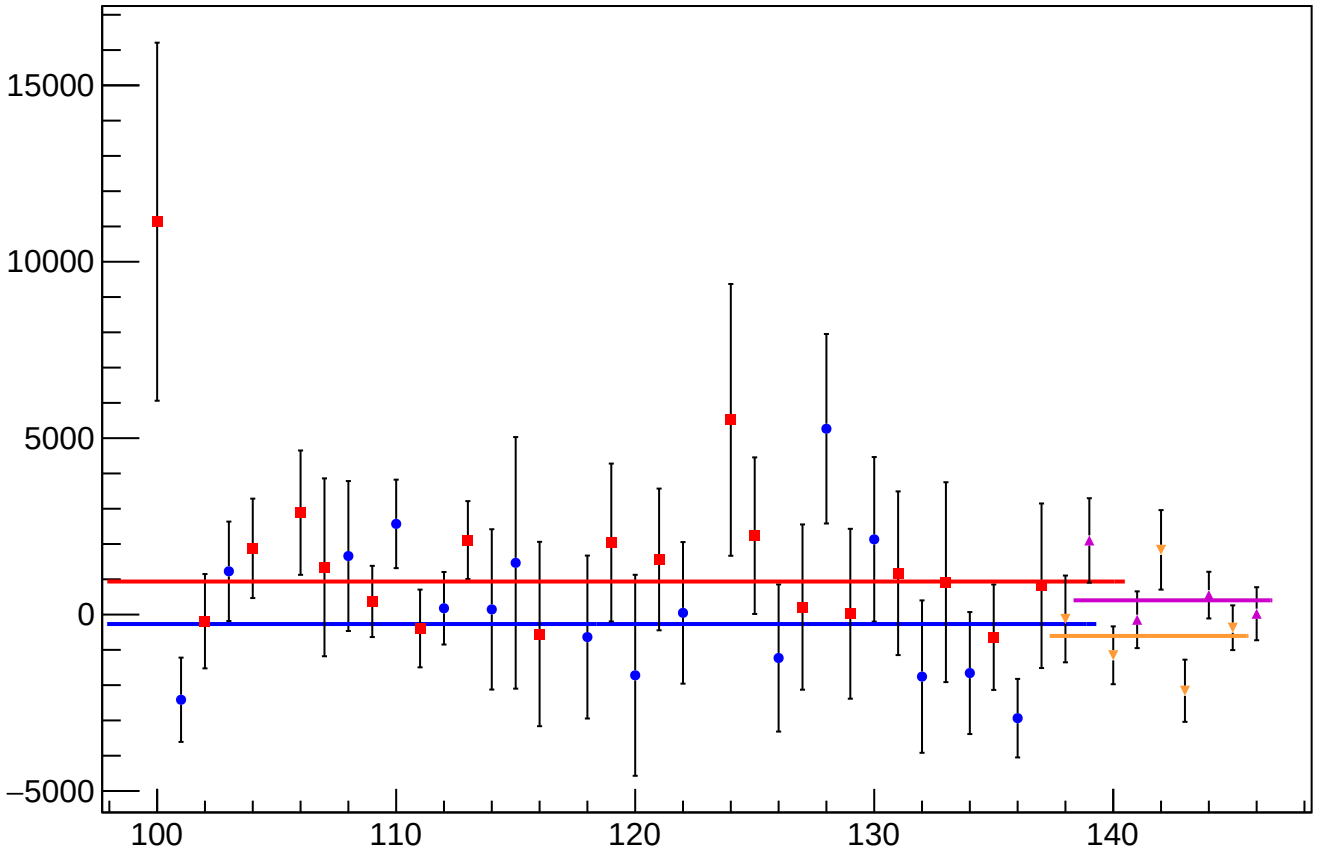
Left: 106.596+/-0.029 χ^2/NDF: 267961.9/8

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 102.354+/-0.023 χ^2/NDF:782906.6/19

Out: 102.101+/-0.023 χ^2/NDF:1116267.1/23

All: 102.226+/-0.016 χ^2/NDF: 1899235.9/43



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -604.919+/-385.929 χ^2/NDF:8.5/4

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 404.161+/-398.316 χ^2/NDF:2.8/3

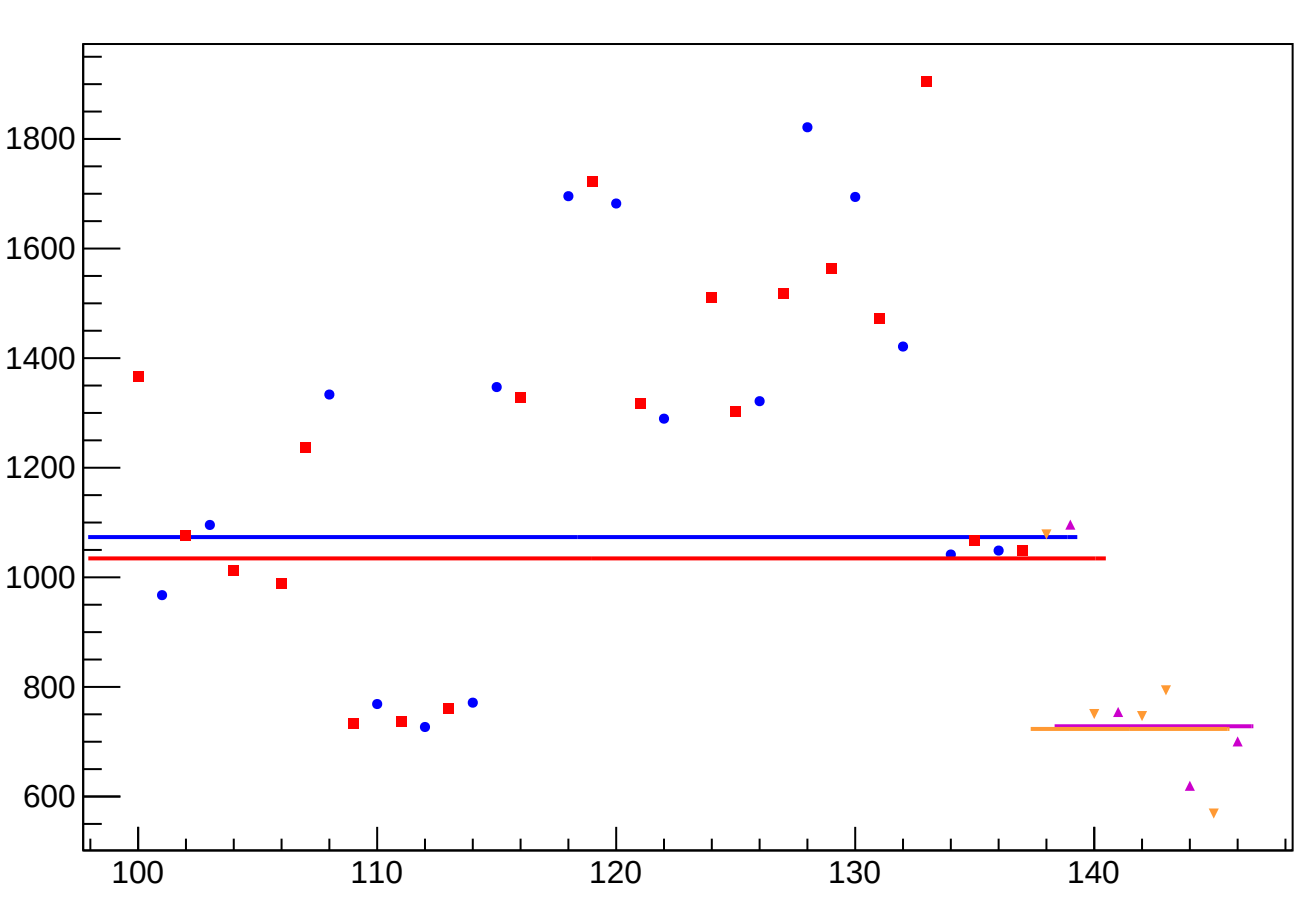
Left: -116.313+/-277.169 χ^2/NDF: 14.6/8

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 83.579+/-288.051 χ^2/NDF:27.6/19

Out: 145.598+/-276.465 χ^2/NDF:29.4/23

All: 115.861+/-199.460 χ^2/NDF: 57.1/43



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 723.337+/-0.273 χ^2/NDF:301180.4/4

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 728.219+/-0.282 χ^2/NDF:247942.2/3

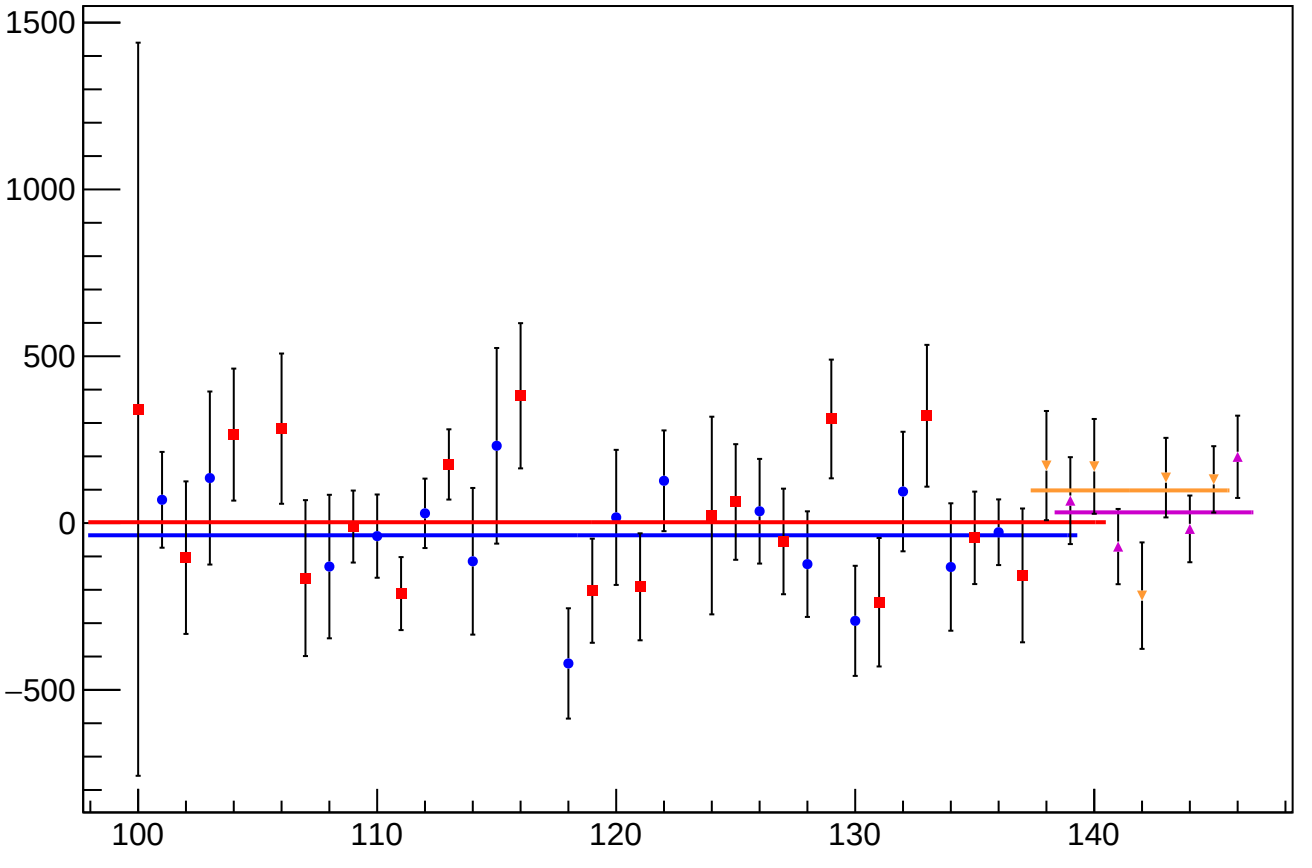
Left: 725.701+/-0.196 χ^2/NDF: 549277.5/8

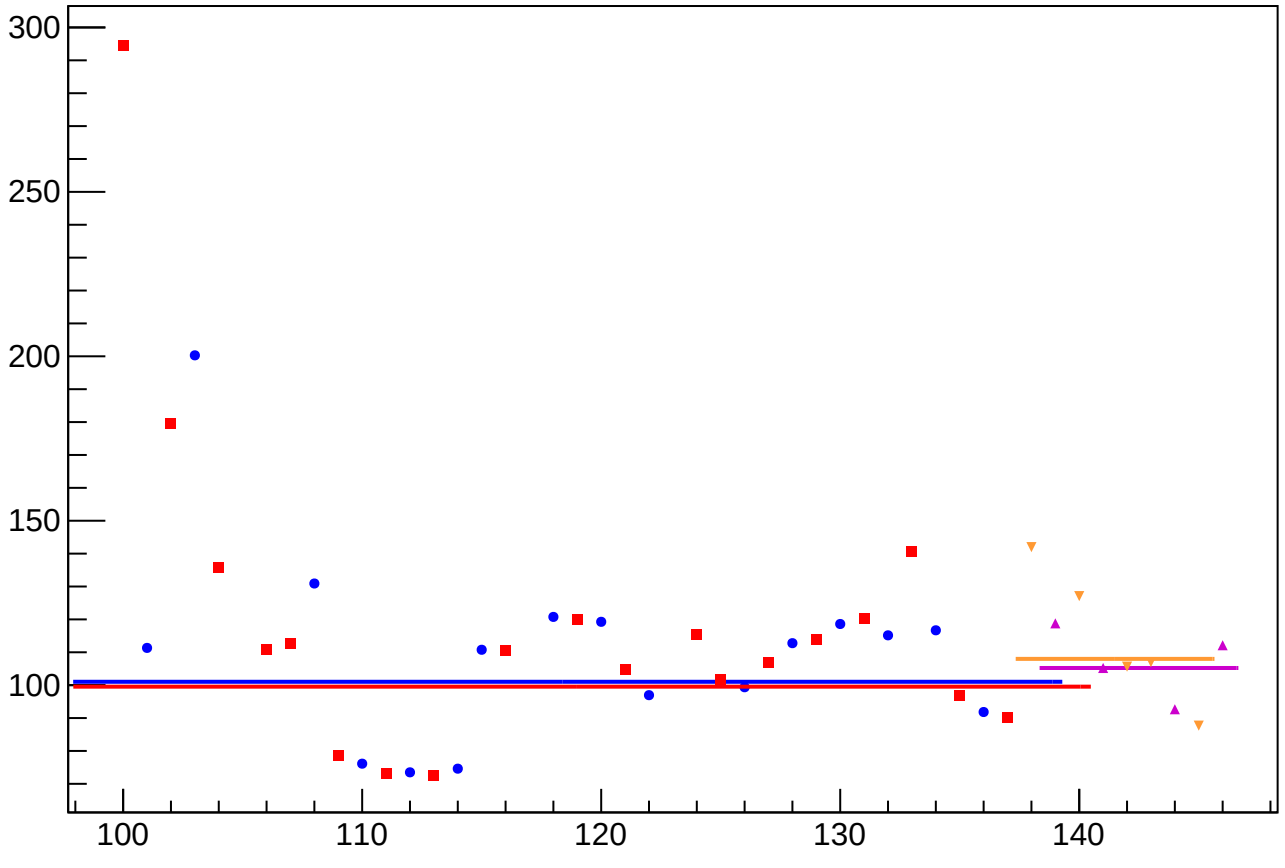
Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 892.905+/-0.204 χ^2/NDF:2041712.0/19

Out: 874.837+/-0.195 χ^2/NDF:2163609.8/23

All: 883.500+/-0.141 χ^2/NDF: 4209417.7/43


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
Right In: -36.589+/-38.991 χ²/NDF: 12.9/15
Left Out: 97.905+/-57.971 χ²/NDF:4.6/4
Right Out: 2.566+/-38.165 χ²/NDF: 24.7/18
Left In: 32.111+/-57.414 χ²/NDF:3.0/3
Left: 64.690+/-40.793 χ²/NDF: 8.2/8
Right: -16.593+/-27.274 χ²/NDF: 38.1/34
In: -14.905+/-32.256 χ²/NDF:16.8/19
Out: 31.393+/-31.877 χ²/NDF:31.2/23
All: 8.518+/-22.673 χ²/NDF: 49.1/43



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.995+/-0.041 χ^2/NDF:206132.6/4

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.224+/-0.041 χ^2/NDF:59512.2/3

Left: 106.596+/-0.029 χ^2/NDF: 267953.1/8

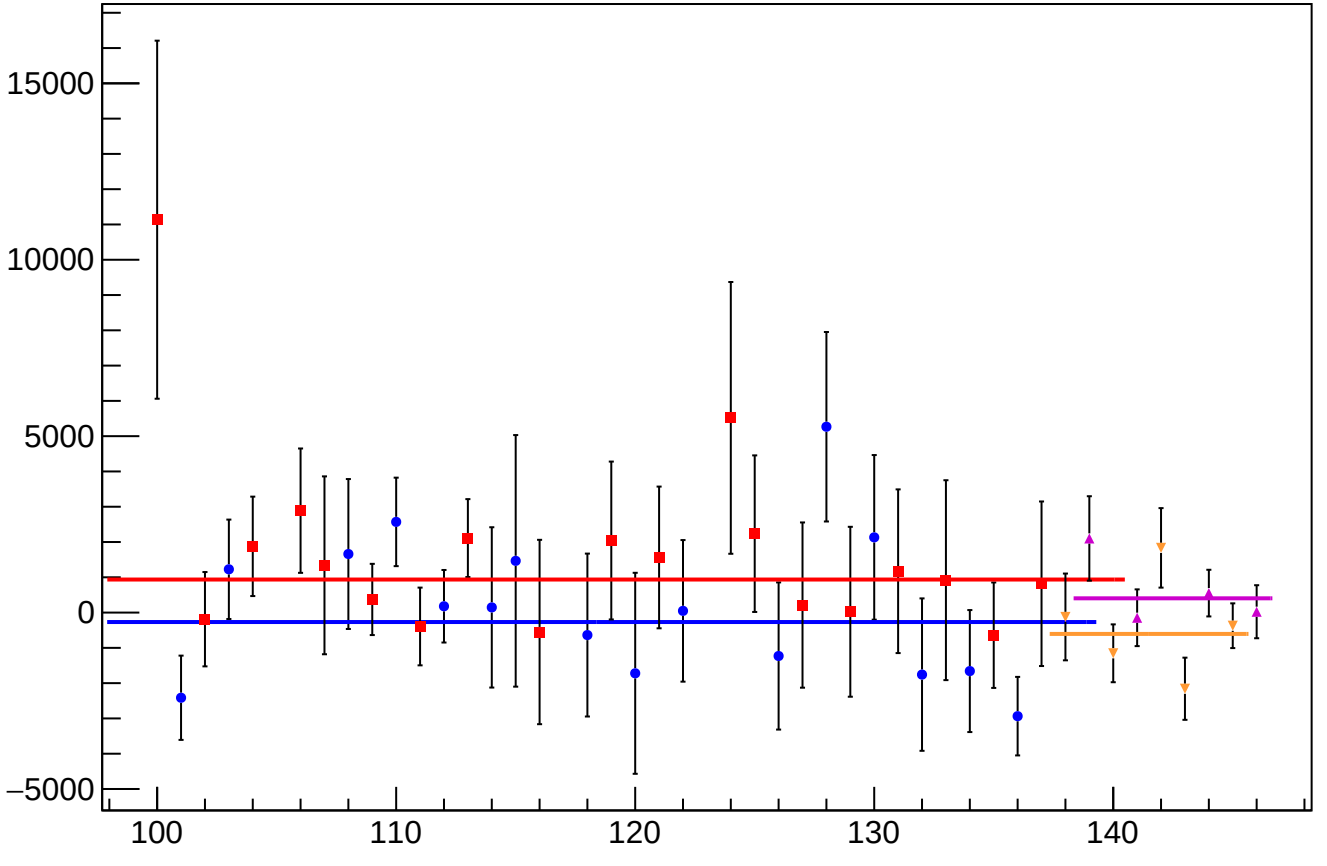
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 102.355+/-0.023 χ^2/NDF:782904.6/19

Out: 102.102+/-0.023 χ^2/NDF:1116265.0/23

All: 102.227+/-0.016 χ^2/NDF: 1899231.8/43

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: -604.922+/-385.928 χ^2/NDF:8.5/4

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 404.161+/-398.315 χ^2/NDF:2.8/3

Left: -116.315+/-277.168 χ^2/NDF: 14.6/8

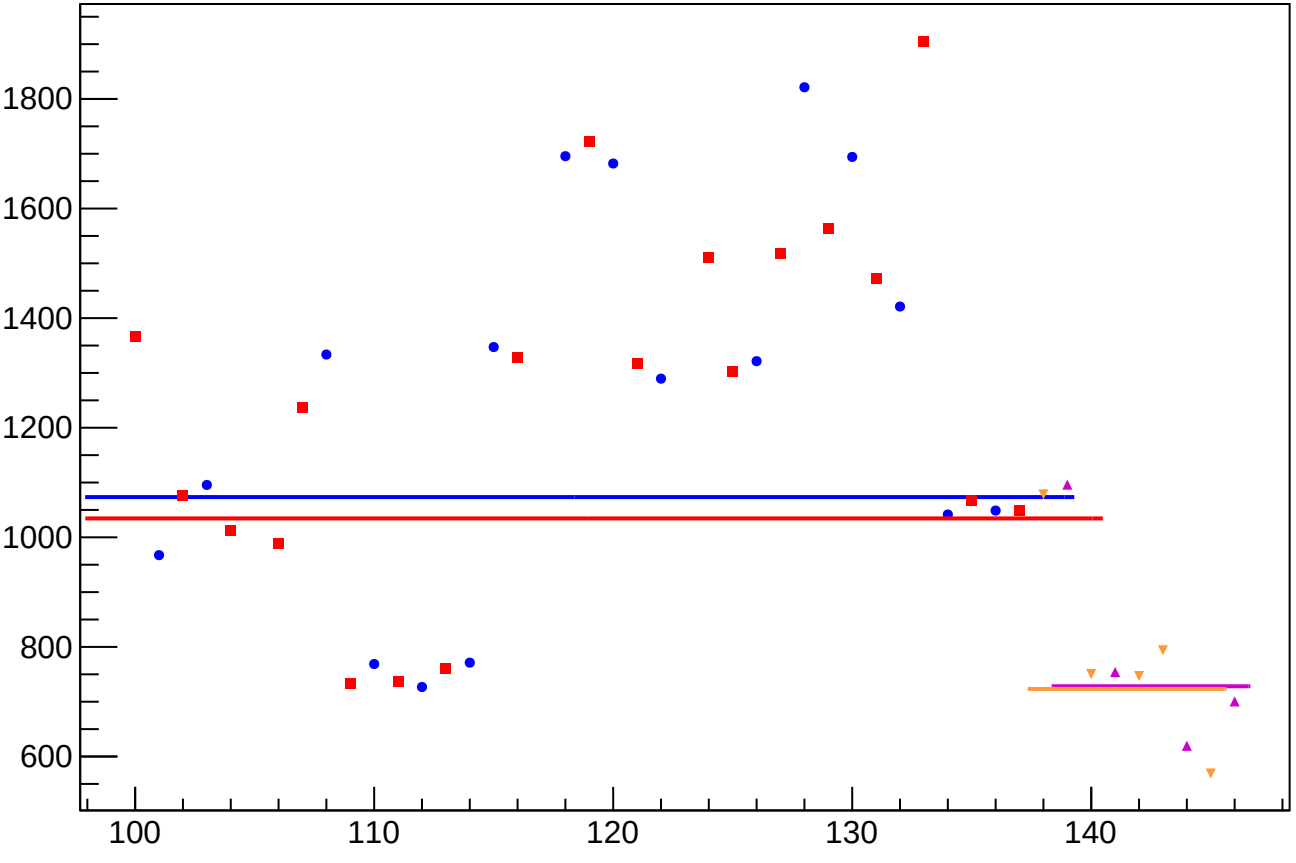
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 83.580+/-288.050 χ^2/NDF:27.6/19

Out: 145.596+/-276.464 χ^2/NDF:29.4/23

All: 115.860+/-199.460 χ^2/NDF: 57.1/43

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: 723.336+/-0.273 χ^2/NDF:301181.9/4

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 728.219+/-0.282 χ^2/NDF:247942.3/3

Left: 725.700+/-0.196 χ^2/NDF: 549279.2/8

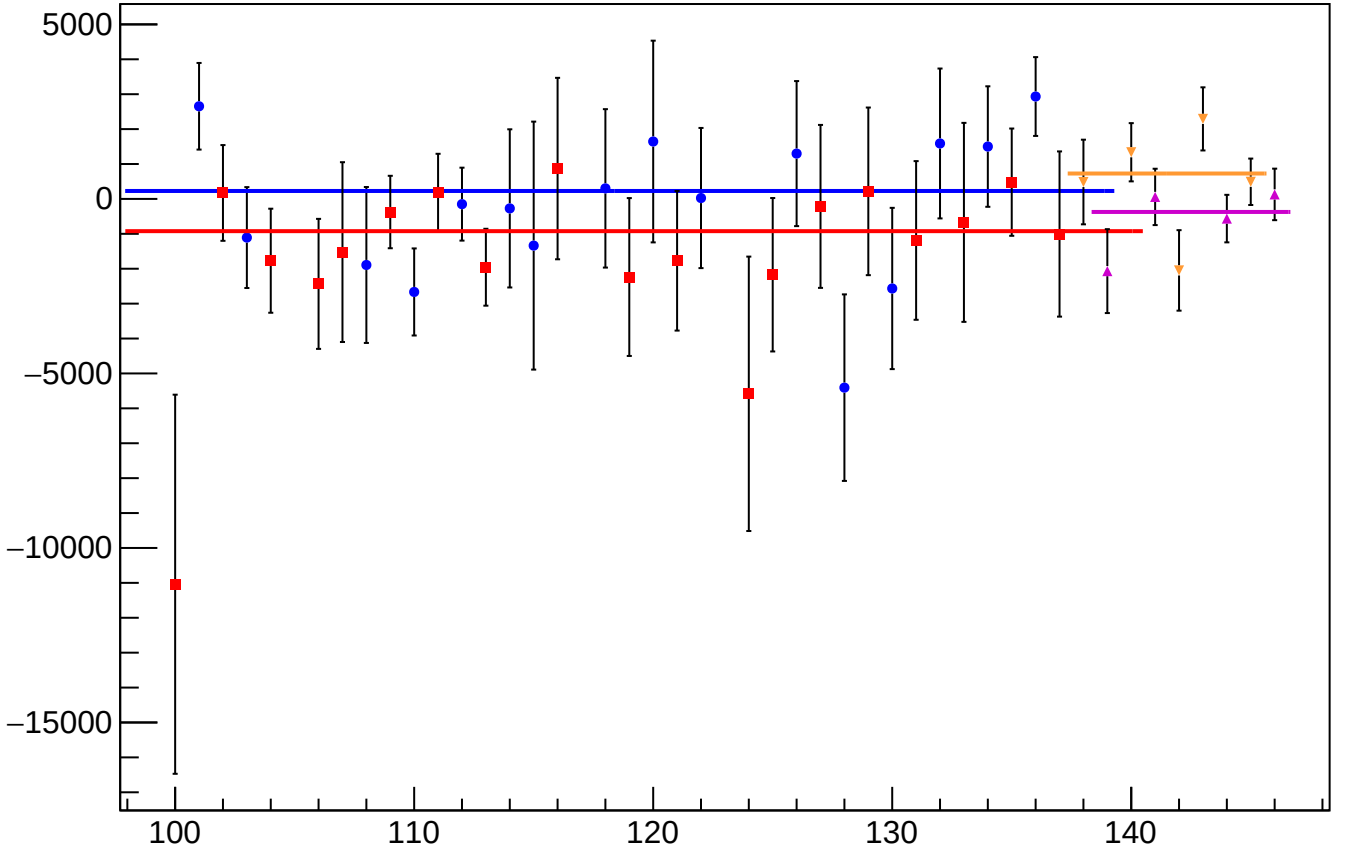
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 892.903+/-0.204 χ^2/NDF:2041715.3/19

Out: 874.835+/-0.195 χ^2/NDF:2163615.4/23

All: 883.499+/-0.141 χ^2/NDF: 4209426.7/43

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 727.682+/-396.716 χ^2/NDF:9.5/4

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -373.398+/-400.883 χ^2/NDF:2.8/3

Left: 182.894+/-281.982 χ^2/NDF: 16.1/8

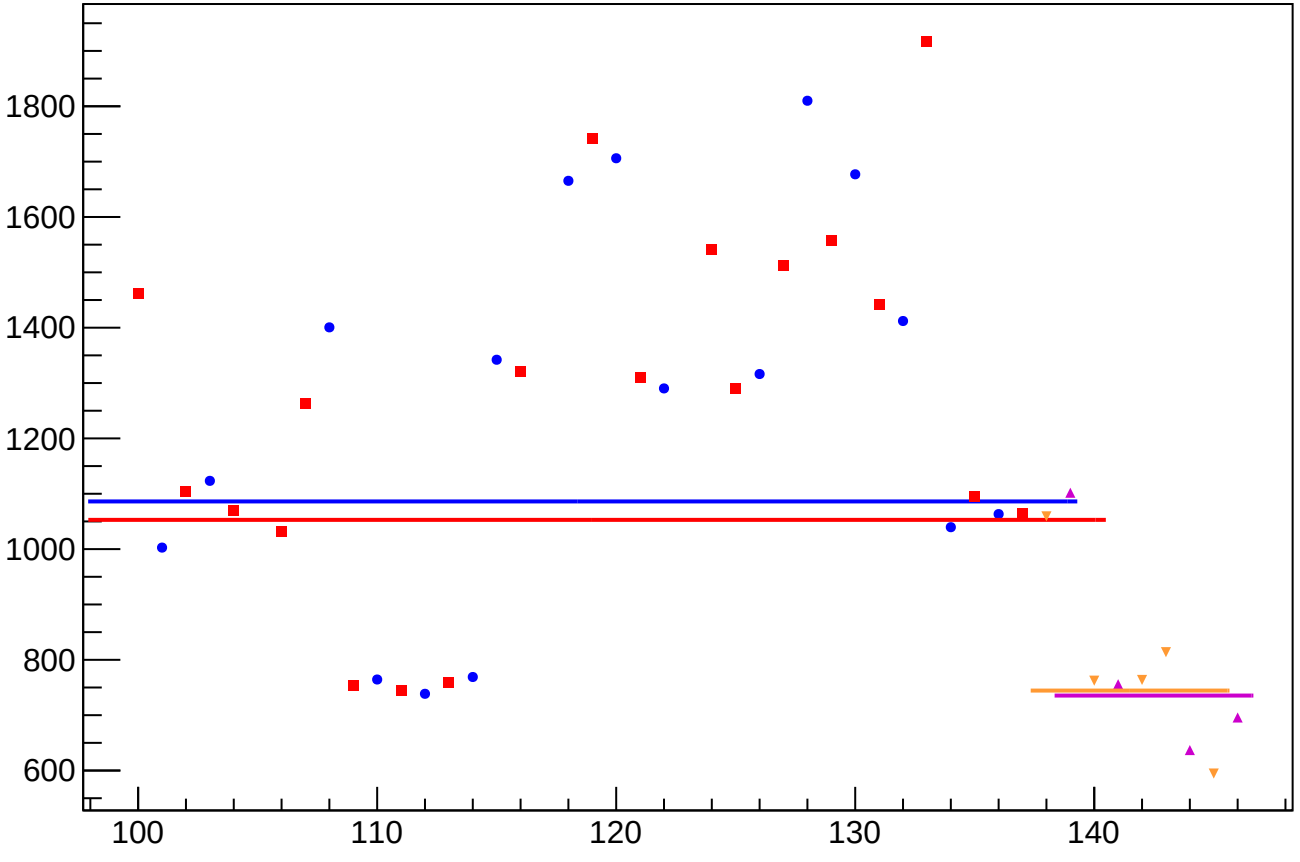
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -88.243+/-290.593 χ^2/NDF:28.3/19

Out: -84.800+/-282.751 χ^2/NDF:29.2/23

All: -86.474+/-202.651 χ^2/NDF: 57.5/43

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 744.452+/-0.281 χ^2/NDF:249613.9/4

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 735.434+/-0.283 χ^2/NDF:234774.1/3

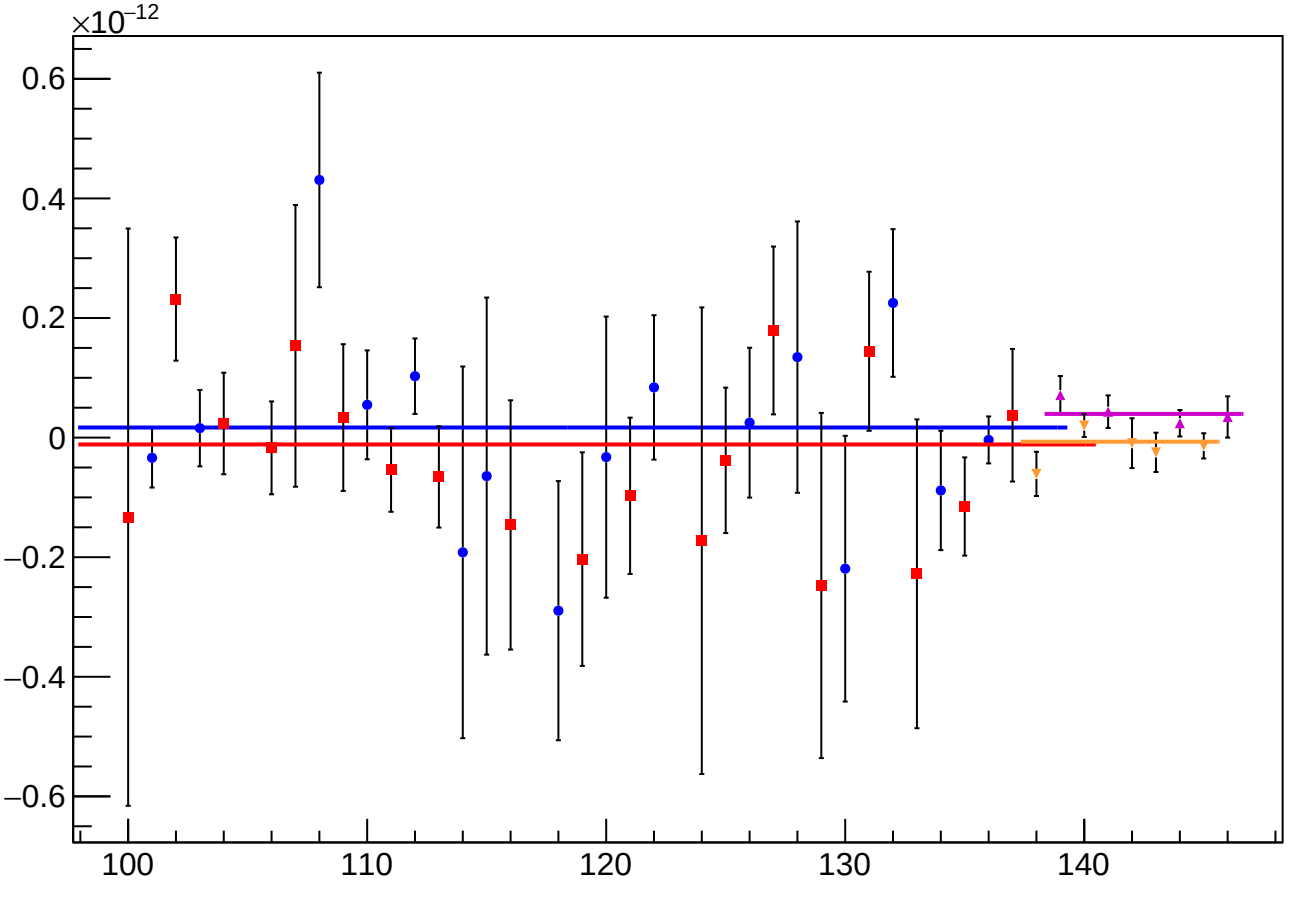
Left: 739.990+/-0.199 χ^2/NDF: 484899.3/8

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 901.859+/-0.205 χ^2/NDF:2008615.7/19

Out: 896.179+/-0.200 χ^2/NDF:2038627.6/23

All: 898.941+/-0.143 χ^2/NDF: 4047635.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/3

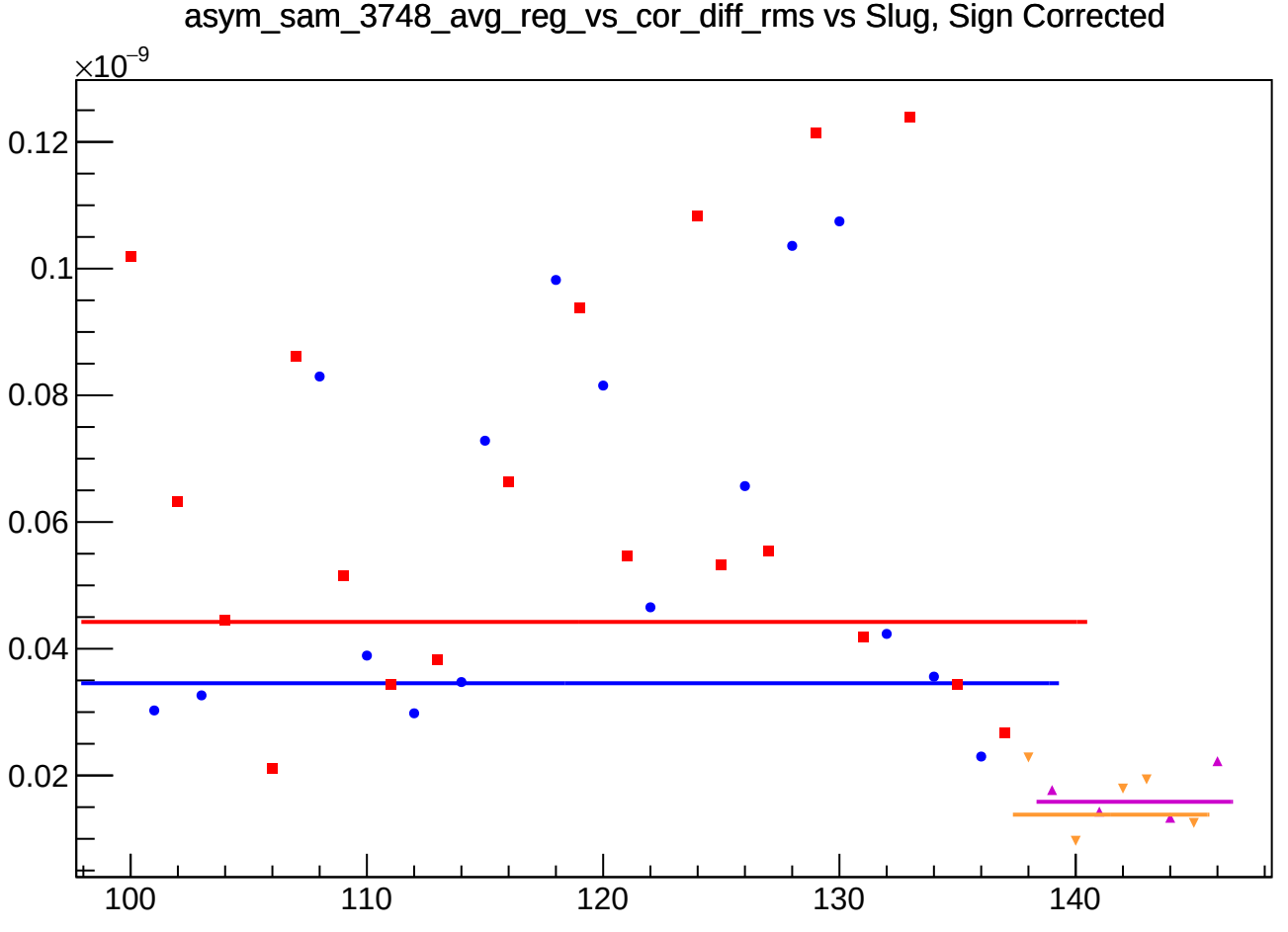
Left: 0.000+/-0.000 χ^2/NDF: 12.5/8

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:19.2/19

Out: -0.000+/-0.000 χ^2/NDF:20.4/23

All: 0.000+/-0.000 χ^2/NDF: 46.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:295872.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:108042.2/3

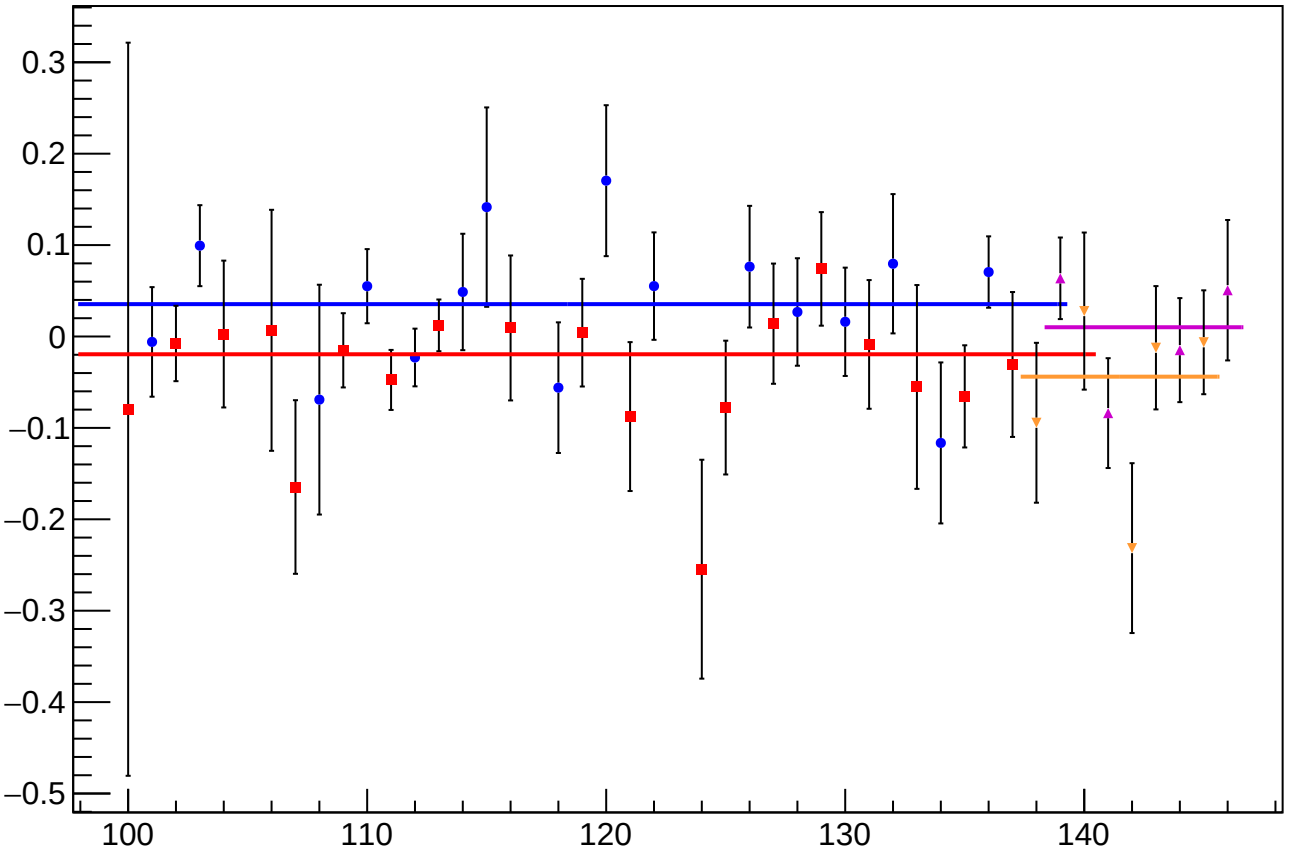
Left: 0.000+/-0.000 χ^2/NDF: 428800.1/8

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2345071.3/19

Out: 0.000+/-0.000 χ^2/NDF:3514958.3/23

All: 0.000+/-0.000 χ^2/NDF: 5909378.5/43



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.044+/-0.033 χ^2/NDF:5.8/4

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.010+/-0.028 χ^2/NDF:4.4/3

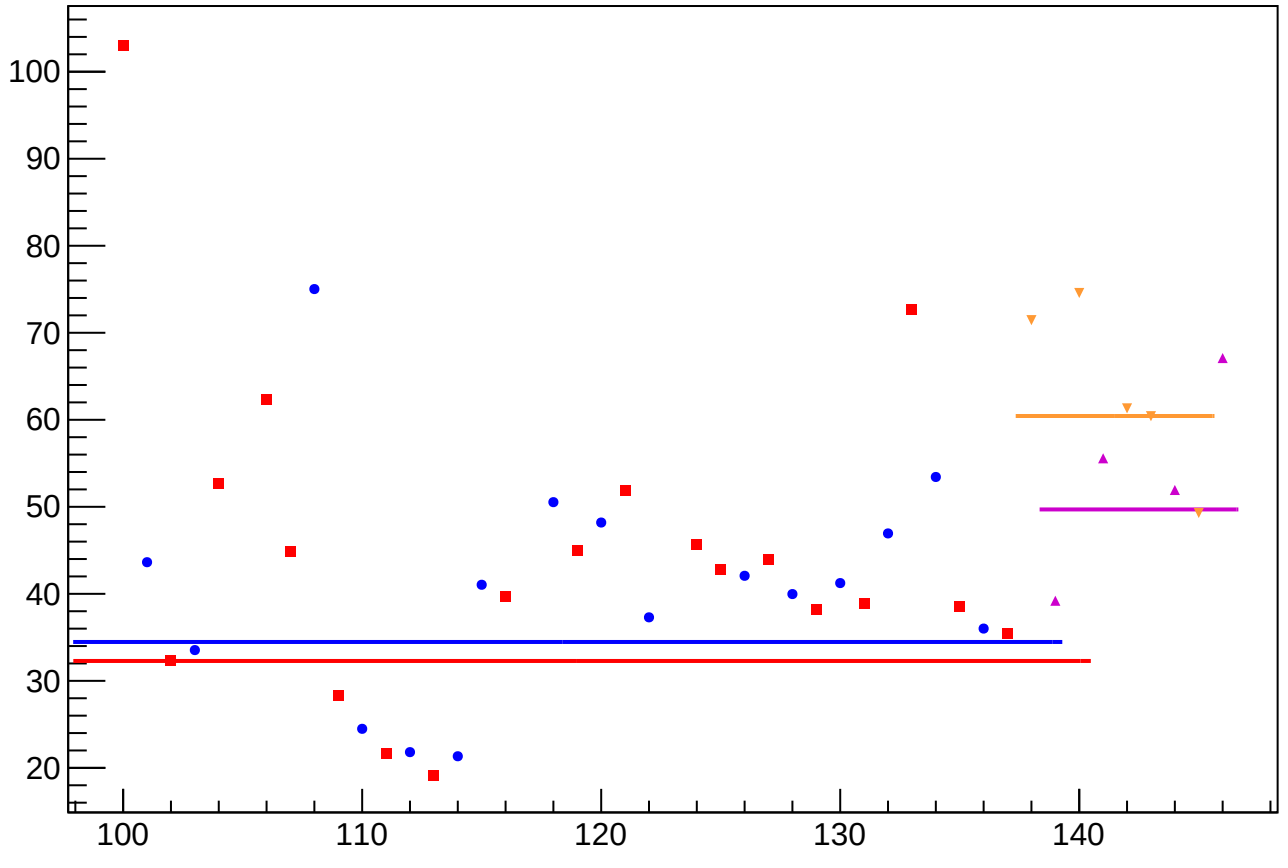
Left: -0.013+/-0.021 χ^2/NDF: 11.7/8

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.012 χ^2/NDF:21.9/19

Out: -0.023+/-0.012 χ^2/NDF:19.6/23

All: 0.003+/-0.009 χ^2/NDF: 50.9/43



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 60.436+/-0.023 χ^2/NDF:162930.8/4

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.698+/-0.020 χ^2/NDF:235336.5/3

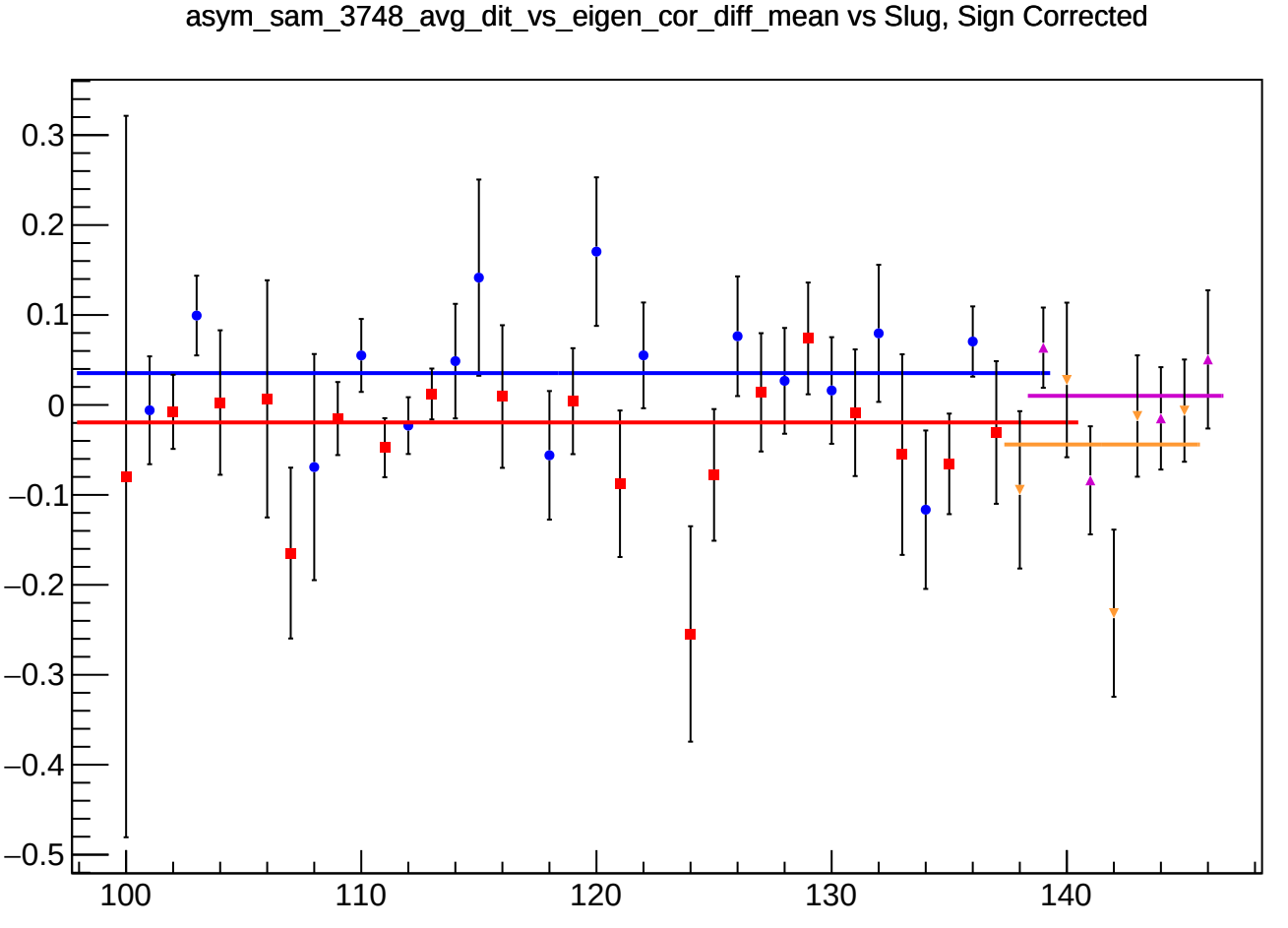
Left: 54.210+/-0.015 χ^2/NDF: 520125.5/8

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

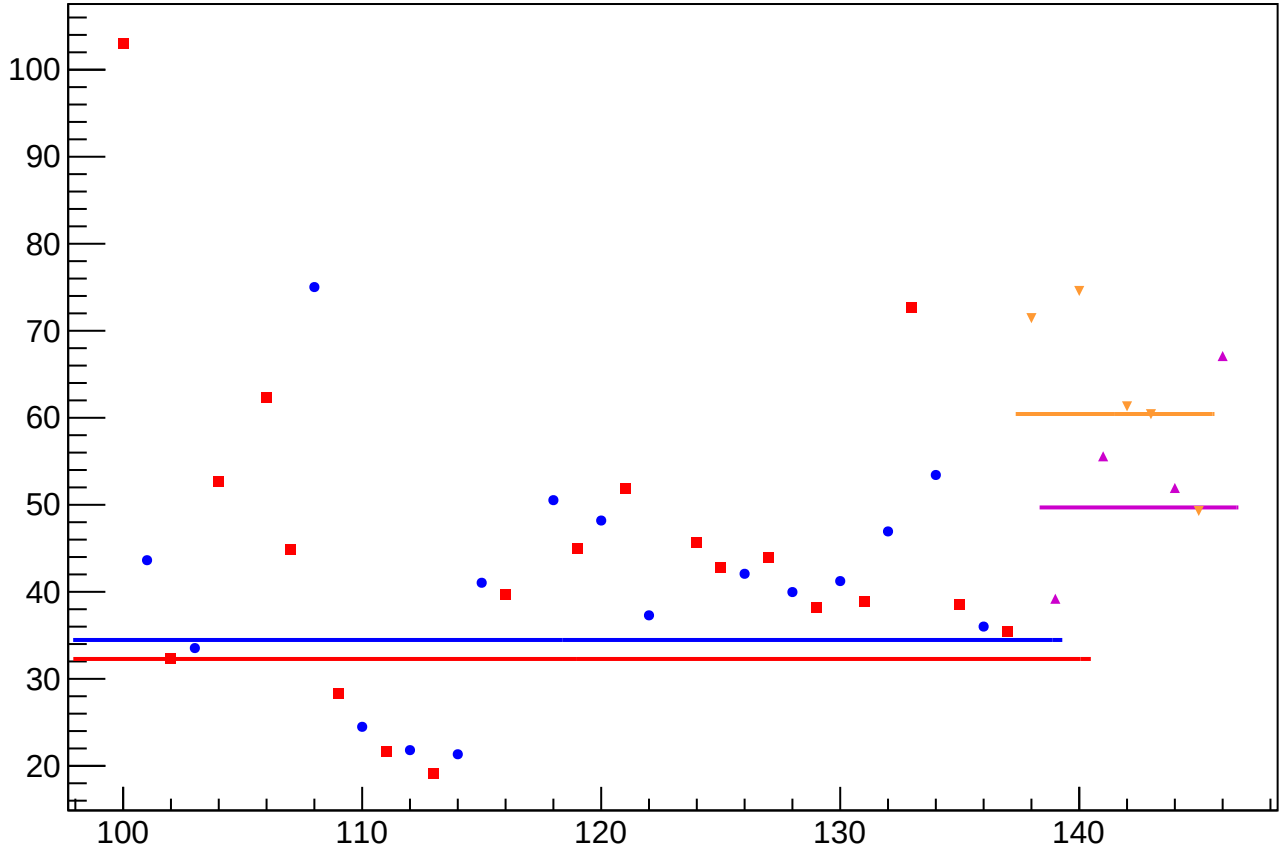
In: 37.442+/-0.009 χ^2/NDF:1875909.8/19

Out: 36.104+/-0.009 χ^2/NDF:3084116.3/23

All: 36.759+/-0.006 χ^2/NDF: 4971794.7/43


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: -0.044+/-0.033 χ²/NDF:5.8/4
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.010+/-0.028 χ²/NDF:4.4/3
Left: -0.013+/-0.021 χ²/NDF: 11.7/8
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.030+/-0.012 χ²/NDF:21.9/19
Out: -0.023+/-0.012 χ²/NDF:19.6/23
All: 0.003+/-0.009 χ²/NDF: 50.9/43

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 60.436+/-0.023 χ^2/NDF:162930.8/4

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.698+/-0.020 χ^2/NDF:235336.5/3

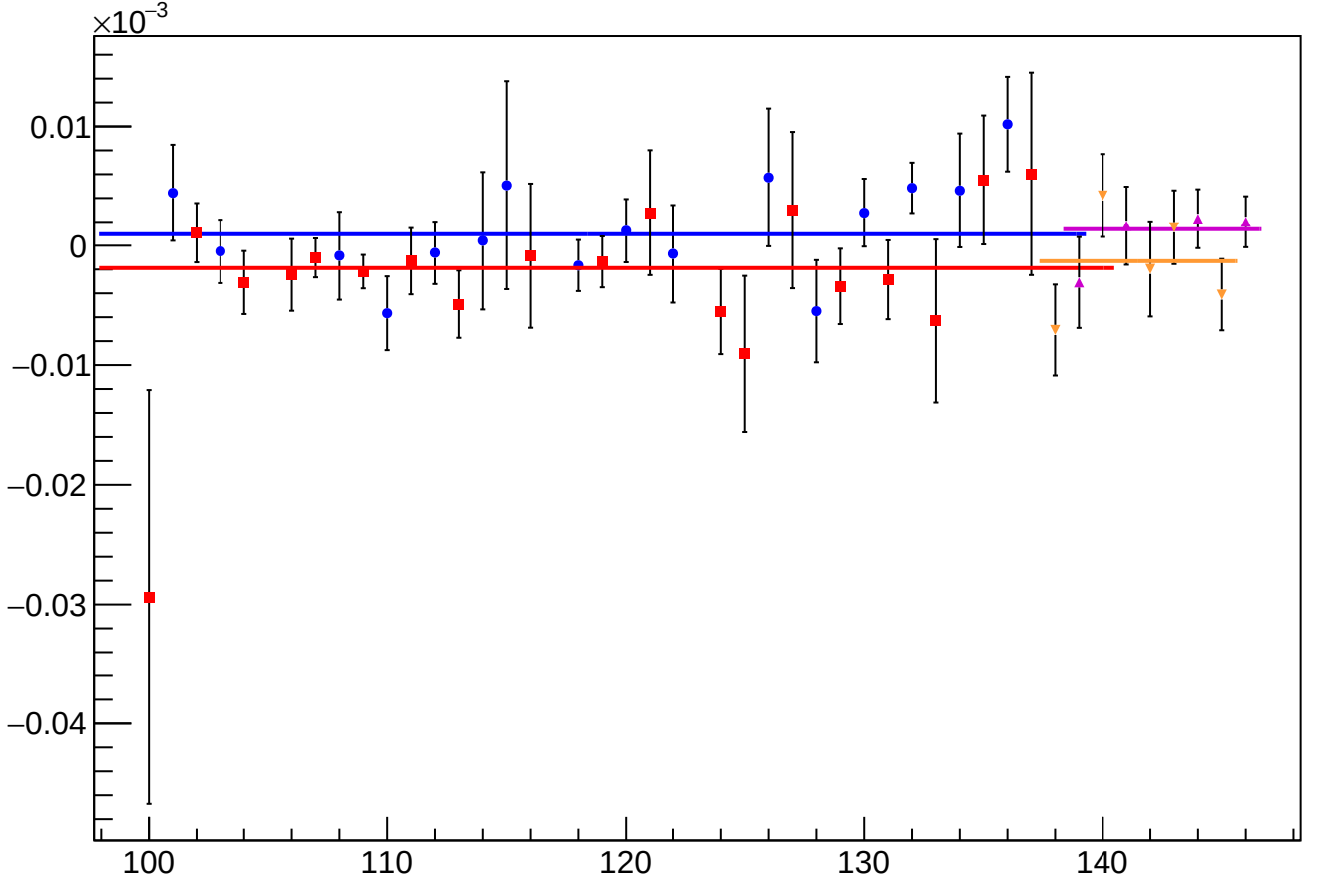
Left: 54.210+/-0.015 χ^2/NDF: 520125.5/8

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 37.442+/-0.009 χ^2/NDF:1875909.8/19

Out: 36.104+/-0.009 χ^2/NDF:3084116.3/23

All: 36.759+/-0.006 χ^2/NDF: 4971794.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

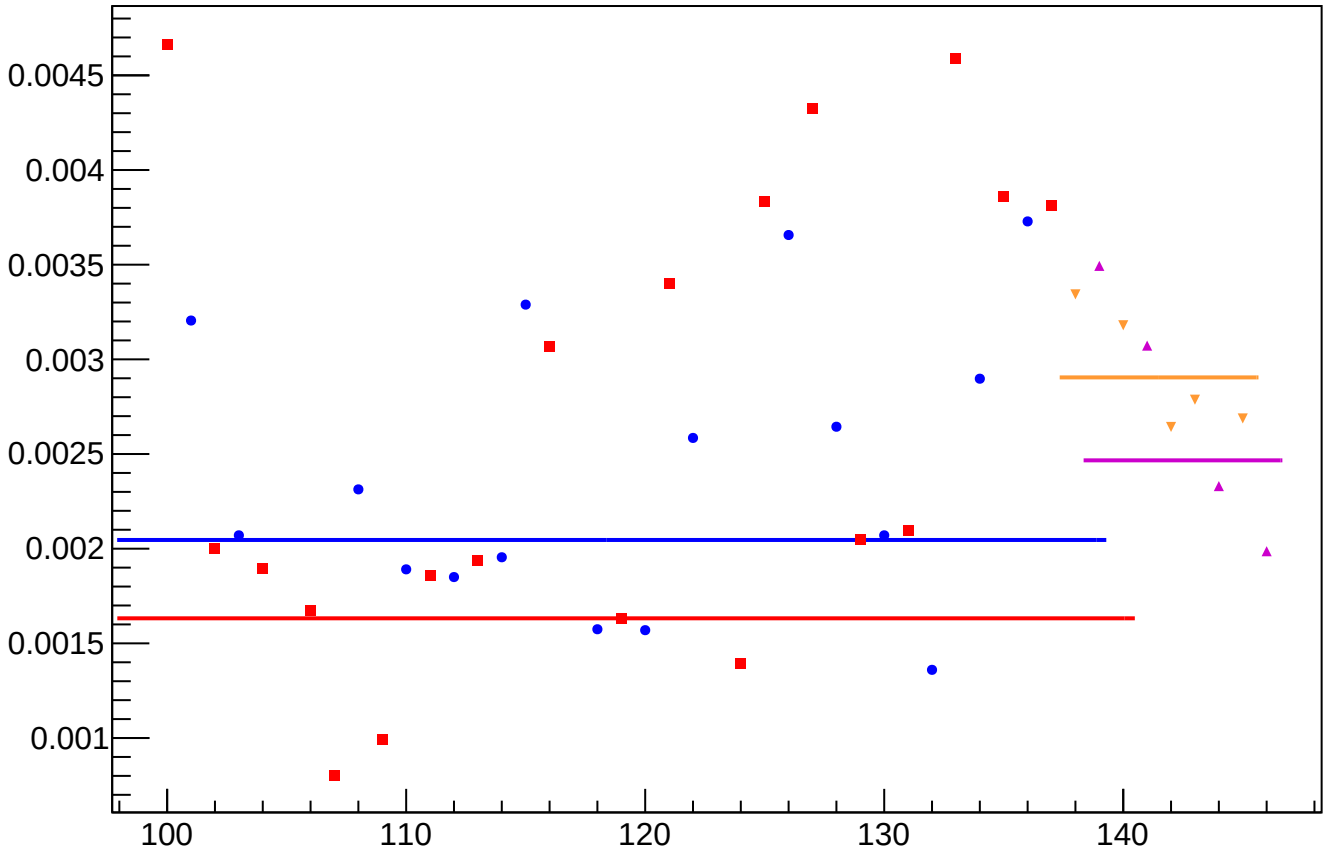
Left: 0.000+/-0.000 χ^2/NDF: 9.9/8

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:22.6/19

Out: -0.000+/-0.000 χ^2/NDF:19.6/23

All: -0.000+/-0.000 χ^2/NDF: 51.7/43



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:61146.9/4

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:320845.7/3

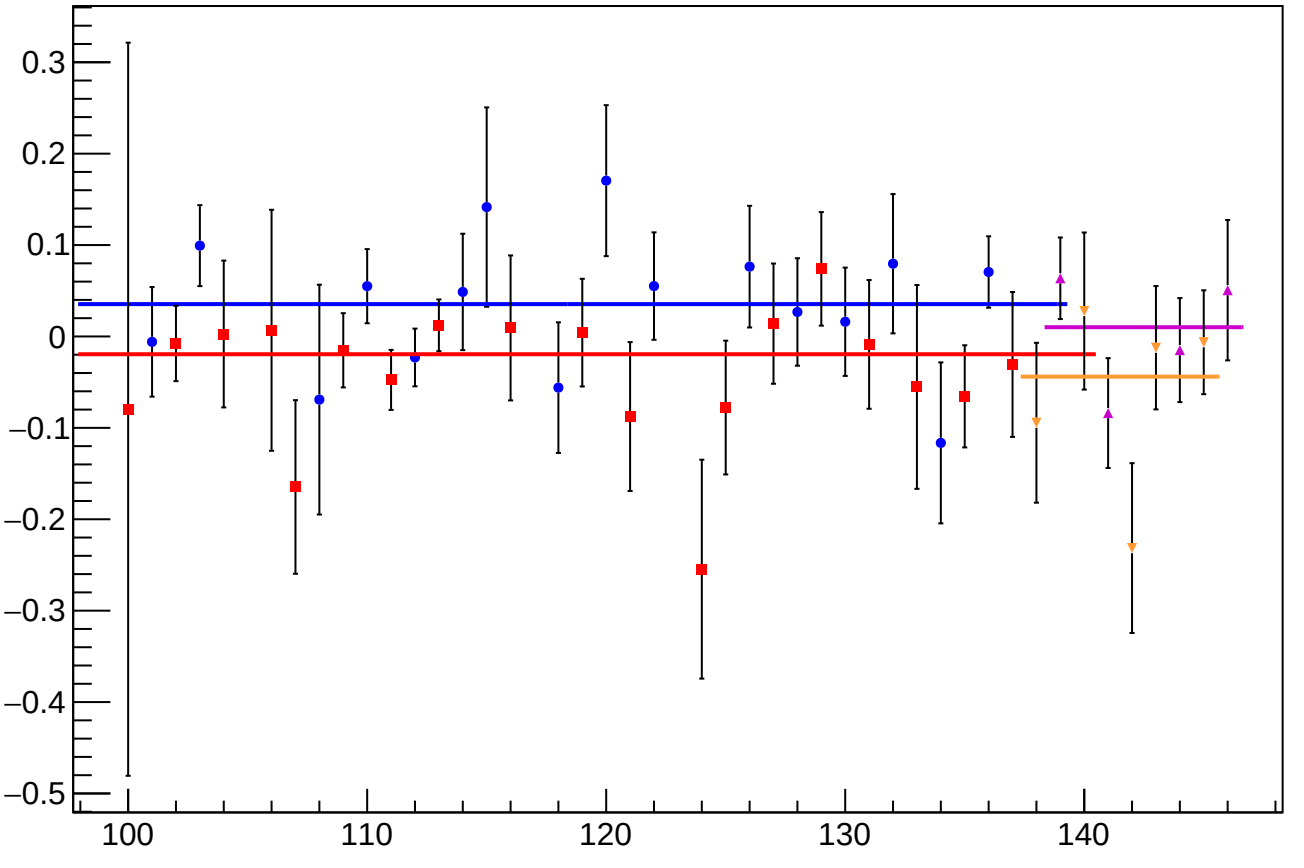
Left: 0.003+/-0.000 χ^2/NDF: 474410.2/8

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:1723448.9/19

Out: 0.002+/-0.000 χ^2/NDF:4160063.8/23

All: 0.002+/-0.000 χ^2/NDF: 6118622.0/43



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.044+/-0.033 χ^2/NDF:5.8/4

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.010+/-0.028 χ^2/NDF:4.4/3

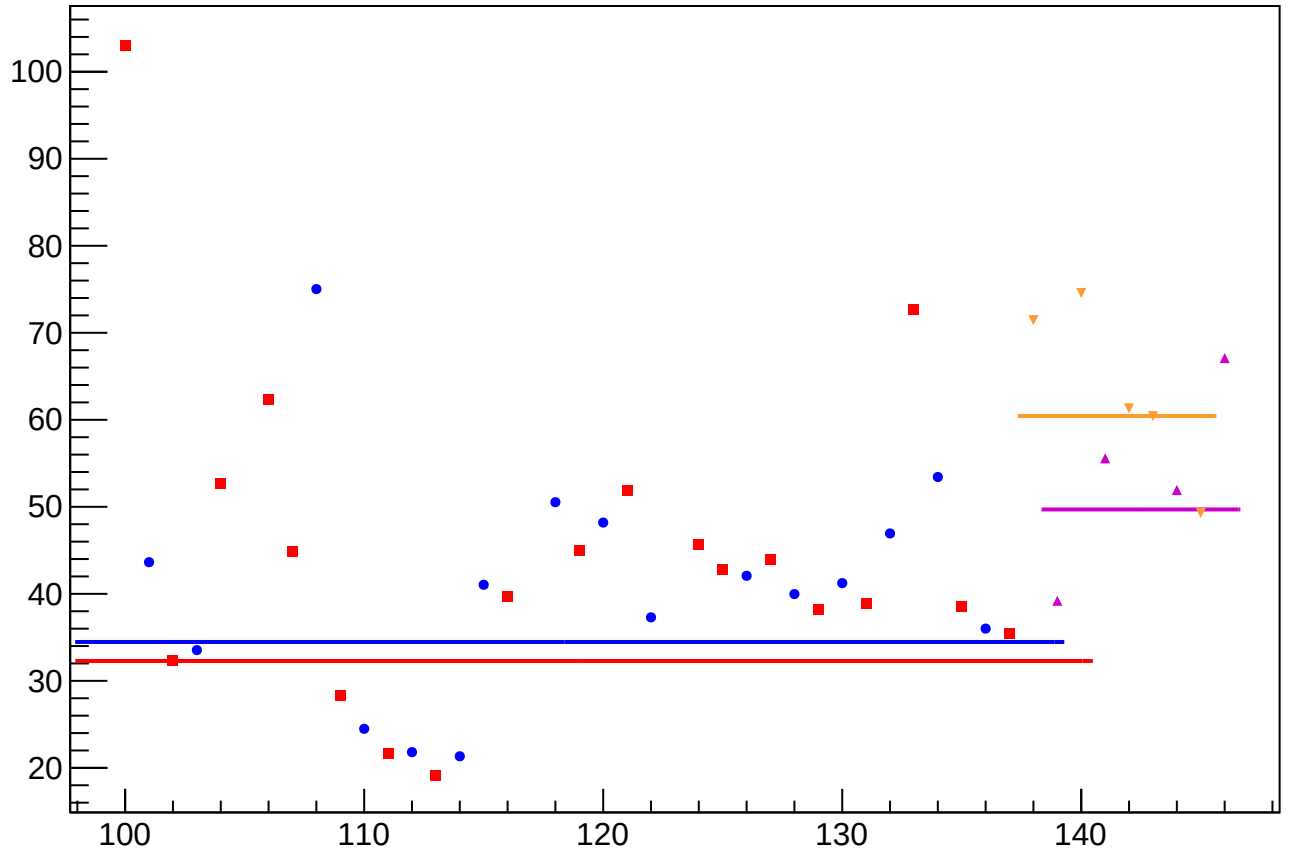
Left: -0.013+/-0.021 χ^2/NDF: 11.7/8

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.012 χ^2/NDF:21.9/19

Out: -0.023+/-0.012 χ^2/NDF:19.6/23

All: 0.003+/-0.009 χ^2/NDF: 50.9/43



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 60.437+/-0.023 χ^2/NDF:162912.7/4

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.698+/-0.020 χ^2/NDF:235359.0/3

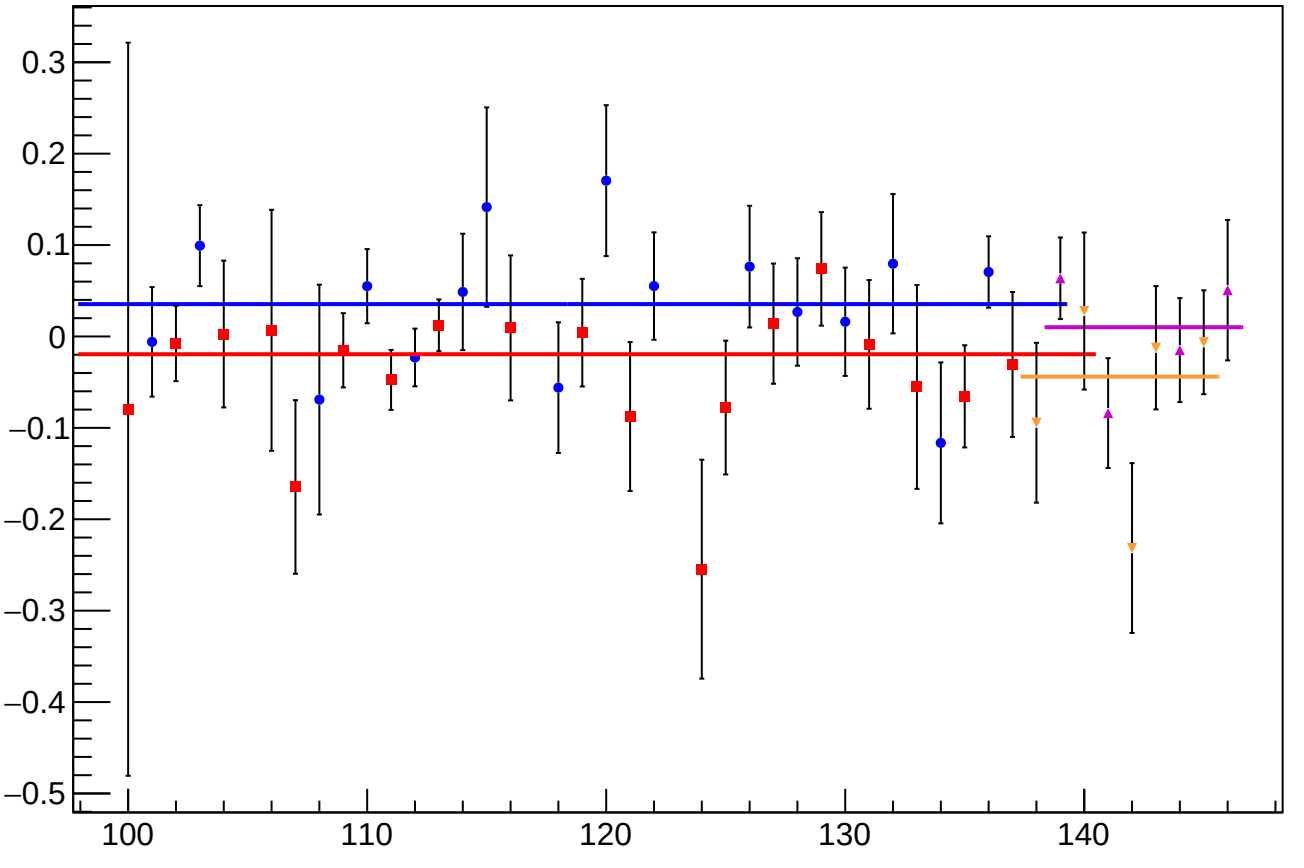
Left: 54.211+/-0.015 χ^2/NDF: 520142.9/8

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 37.442+/-0.009 χ^2/NDF:1875878.3/19

Out: 36.104+/-0.009 χ^2/NDF:3084088.9/23

All: 36.759+/-0.006 χ^2/NDF: 4971734.1/43



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.044+/-0.033 χ^2/NDF:5.8/4

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.010+/-0.028 χ^2/NDF:4.4/3

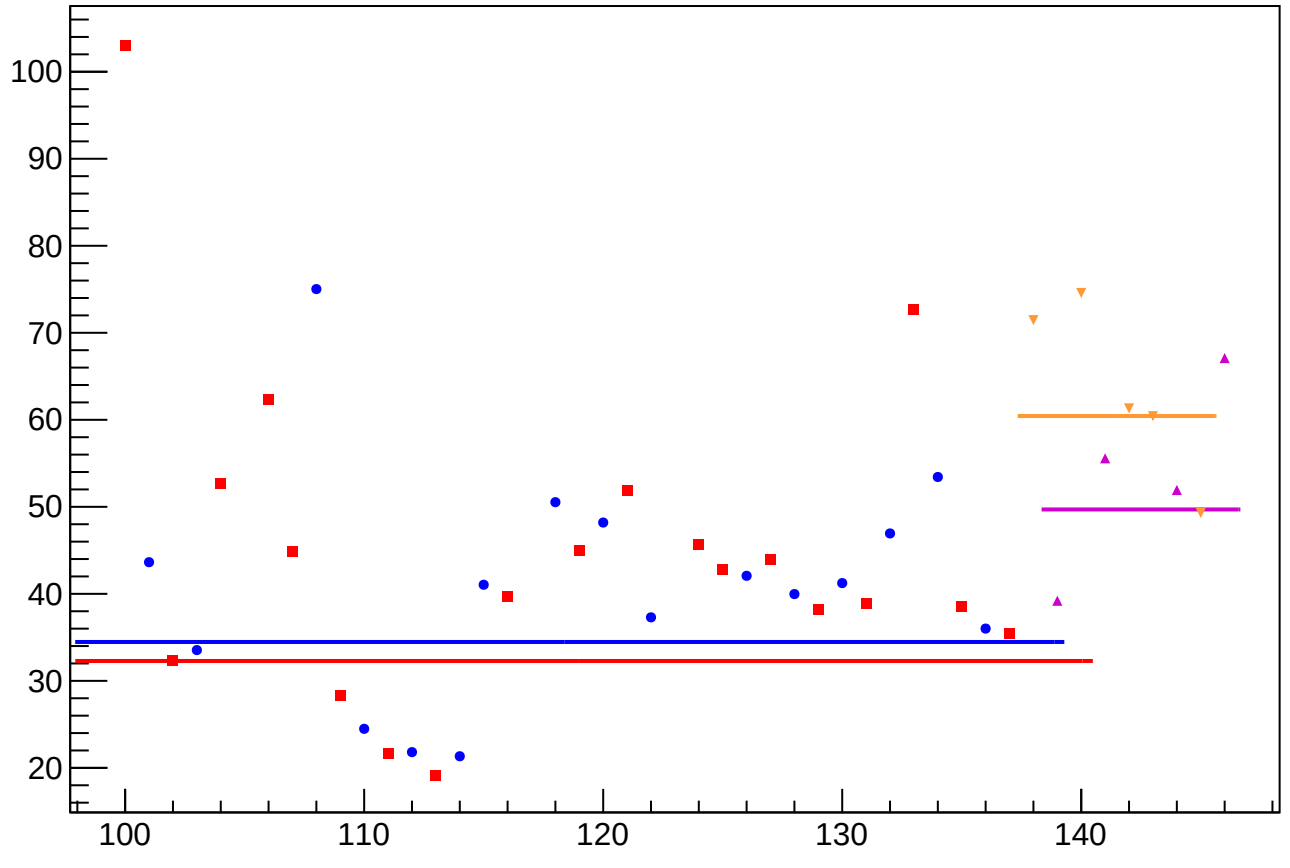
Left: -0.013+/-0.021 χ^2/NDF: 11.7/8

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.012 χ^2/NDF:21.9/19

Out: -0.023+/-0.012 χ^2/NDF:19.6/23

All: 0.003+/-0.009 χ^2/NDF: 50.9/43



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 60.437+/-0.023 χ^2/NDF:162912.7/4

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.698+/-0.020 χ^2/NDF:235359.0/3

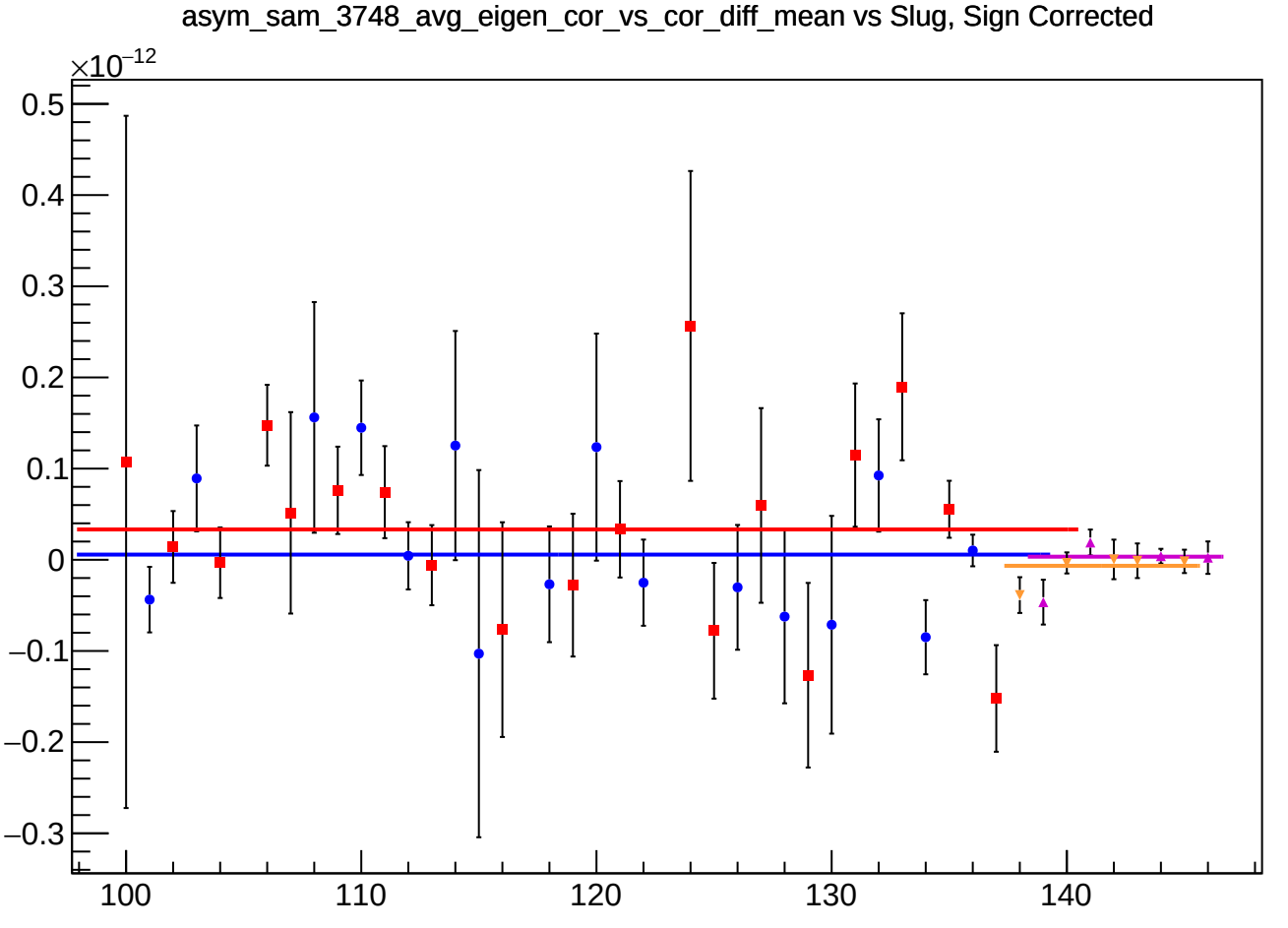
Left: 54.211+/-0.015 χ^2/NDF: 520142.9/8

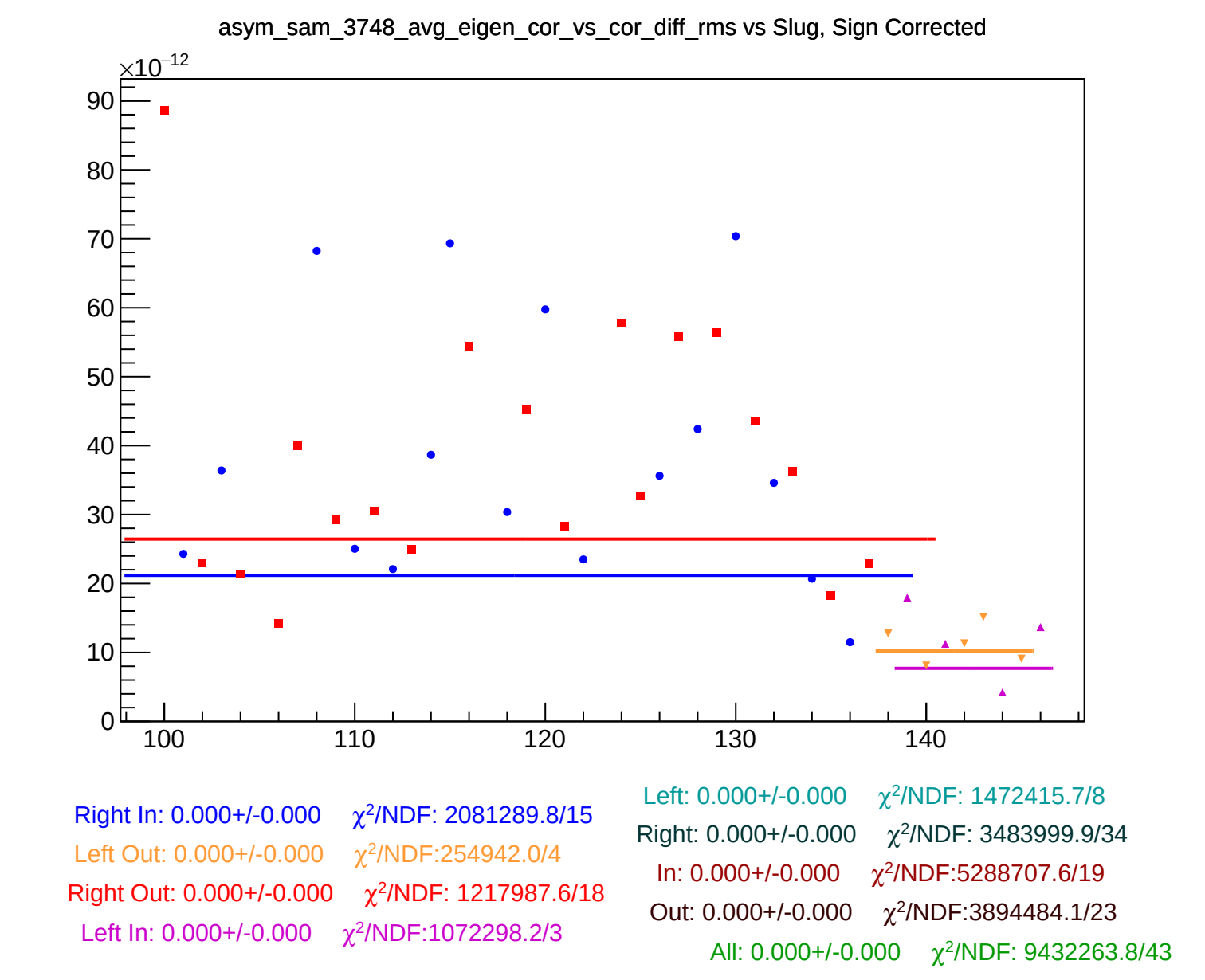
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

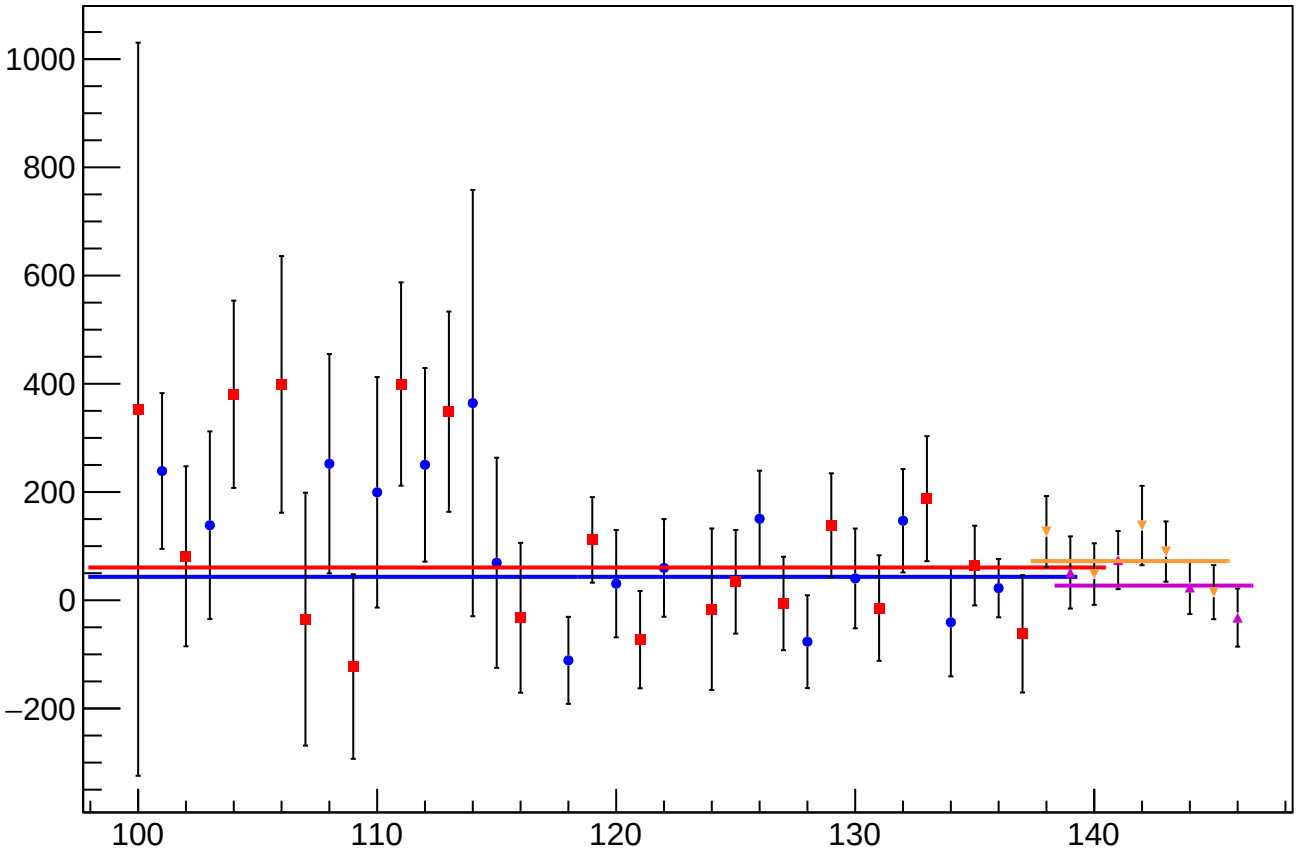
In: 37.442+/-0.009 χ^2/NDF:1875878.3/19

Out: 36.104+/-0.009 χ^2/NDF:3084088.9/23

All: 36.759+/-0.006 χ^2/NDF: 4971734.1/43


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: -0.000+/-0.000 χ²/NDF:3.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:5.3/3
Left: -0.000+/-0.000 χ²/NDF: 9.6/8
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:28.9/19
Out: 0.000+/-0.000 χ²/NDF:43.9/23
All: 0.000+/-0.000 χ²/NDF: 72.9/43


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
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:254942.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:1072298.2/3
Left: 0.000+/-0.000 χ²/NDF: 1472415.7/8
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:5288707.6/19
Out: 0.000+/-0.000 χ²/NDF:3894484.1/23
All: 0.000+/-0.000 χ²/NDF: 9432263.8/43



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 72.386+/-26.274 χ^2/NDF:3.1/4

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 27.081+/-27.416 χ^2/NDF:2.1/3

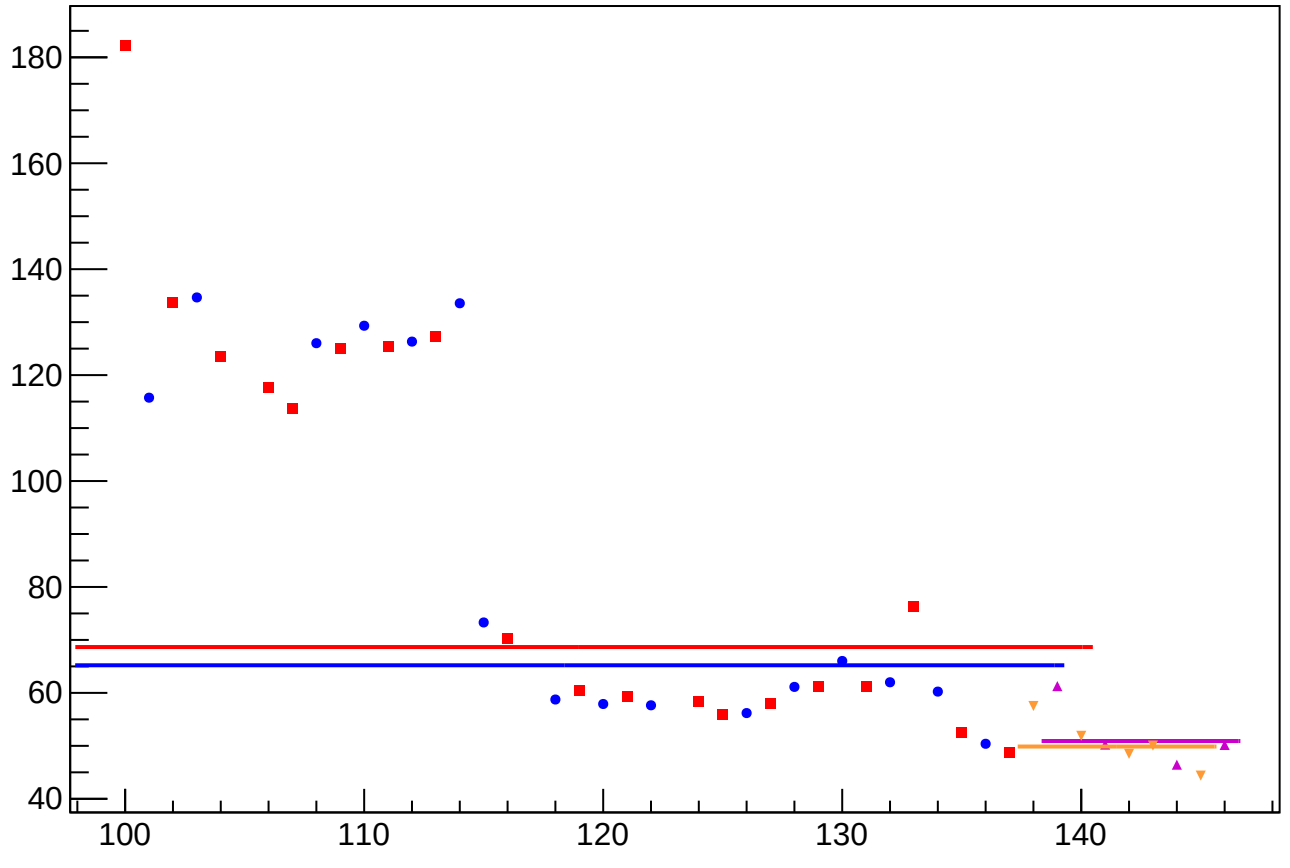
Left: 50.696+/-18.969 χ^2/NDF: 6.6/8

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 35.660+/-18.781 χ^2/NDF:17.3/19

Out: 66.621+/-18.794 χ^2/NDF:23.6/23

All: 51.130+/-13.285 χ^2/NDF: 42.2/43



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 49.871+/-0.019 χ^2/NDF:54486.0/4

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

Left: 50.371+/-0.013 χ^2/NDF: 121414.3/8

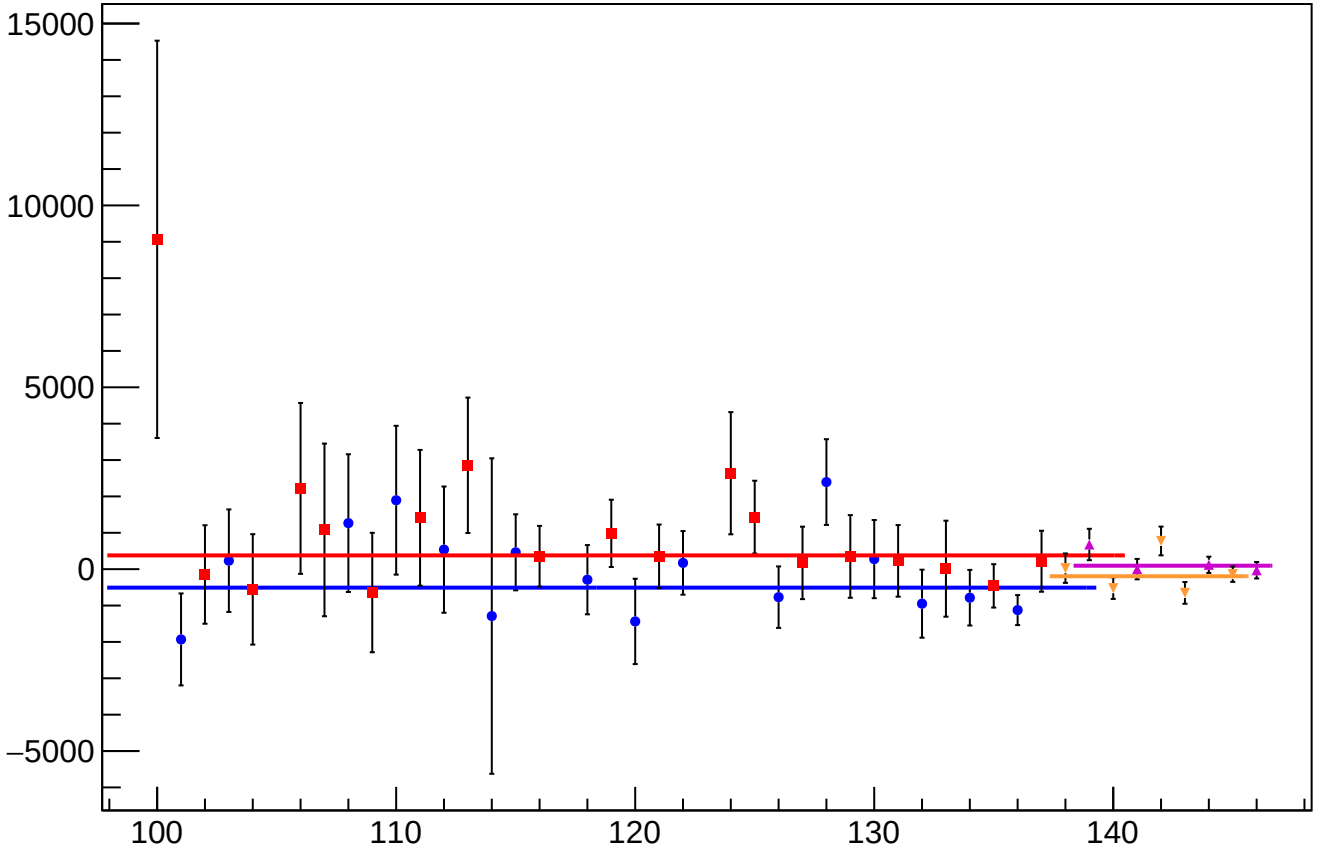
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 58.503+/-0.013 χ^2/NDF:1800597.7/19

Out: 59.044+/-0.013 χ^2/NDF:2194672.6/23

All: 58.773+/-0.009 χ^2/NDF: 3996101.5/43

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: -194.545+/-132.229 χ^2/NDF:10.0/4

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 95.496+/-131.629 χ^2/NDF:2.3/3

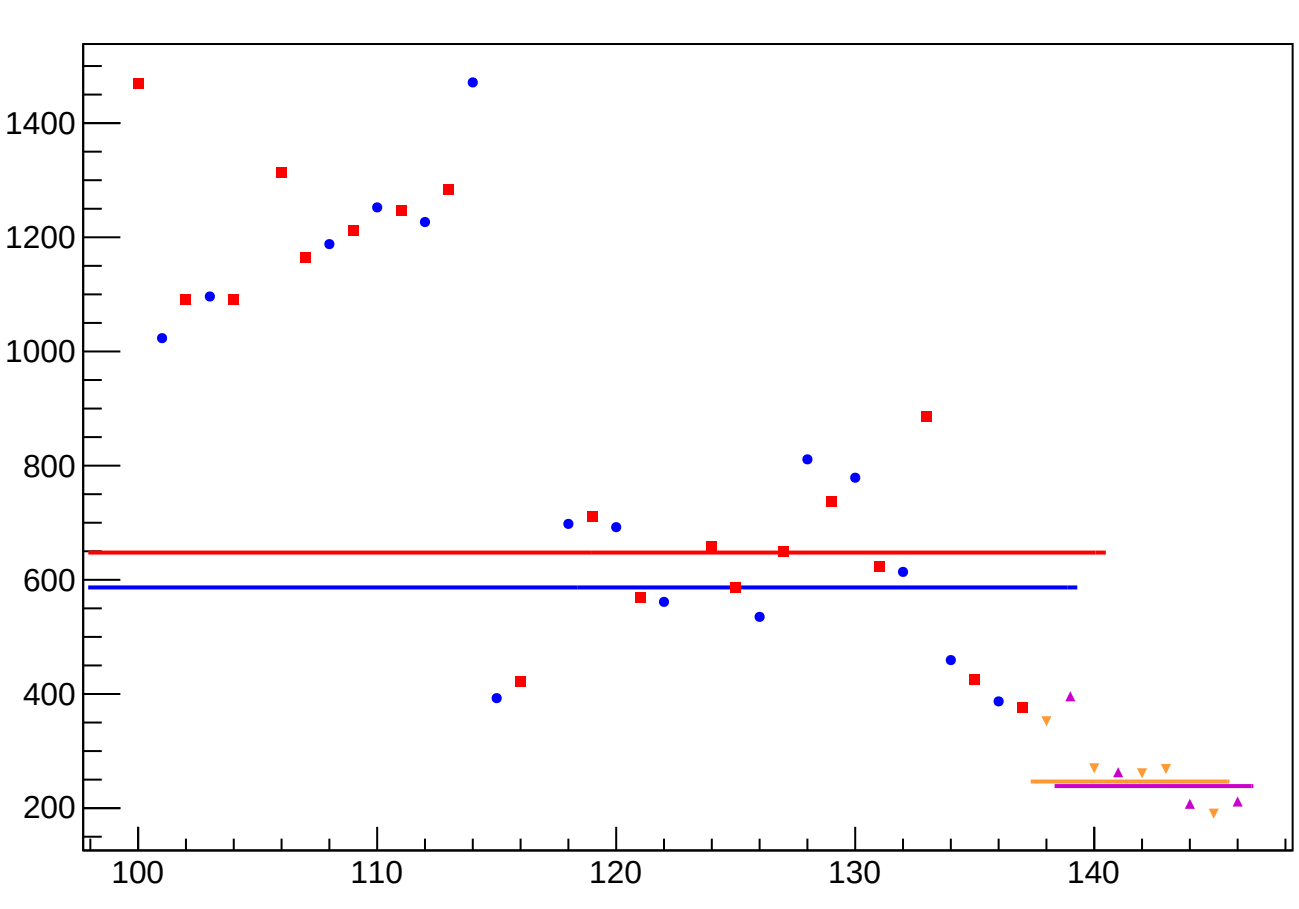
Left: -48.864+/-93.287 χ^2/NDF: 14.7/8

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -46.809+/-115.066 χ^2/NDF:22.8/19

Out: -74.079+/-117.522 χ^2/NDF:25.7/23

All: -60.156+/-82.219 χ^2/NDF: 48.5/43



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 246.708+/-0.094 χ^2/NDF:301792.3/4

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 238.696+/-0.093 χ^2/NDF:348609.6/3

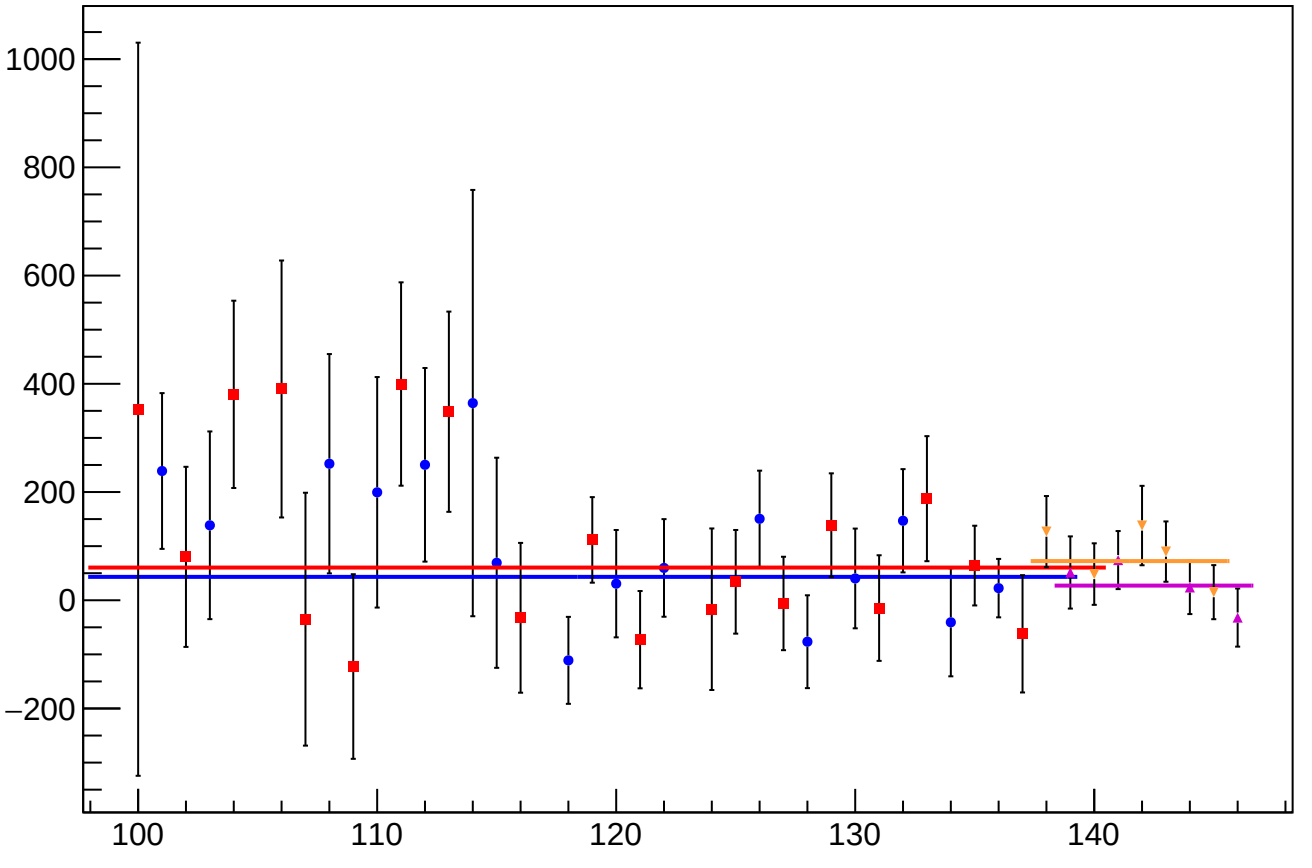
Left: 242.684+/-0.066 χ^2/NDF: 654089.2/8

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 320.753+/-0.081 χ^2/NDF:5697514.5/19

Out: 330.955+/-0.083 χ^2/NDF:6272030.6/23

All: 325.746+/-0.058 χ^2/NDF: 11977239.9/43



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 72.389+/-26.274 χ^2/NDF:3.1/4

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 27.084+/-27.416 χ^2/NDF:2.1/3

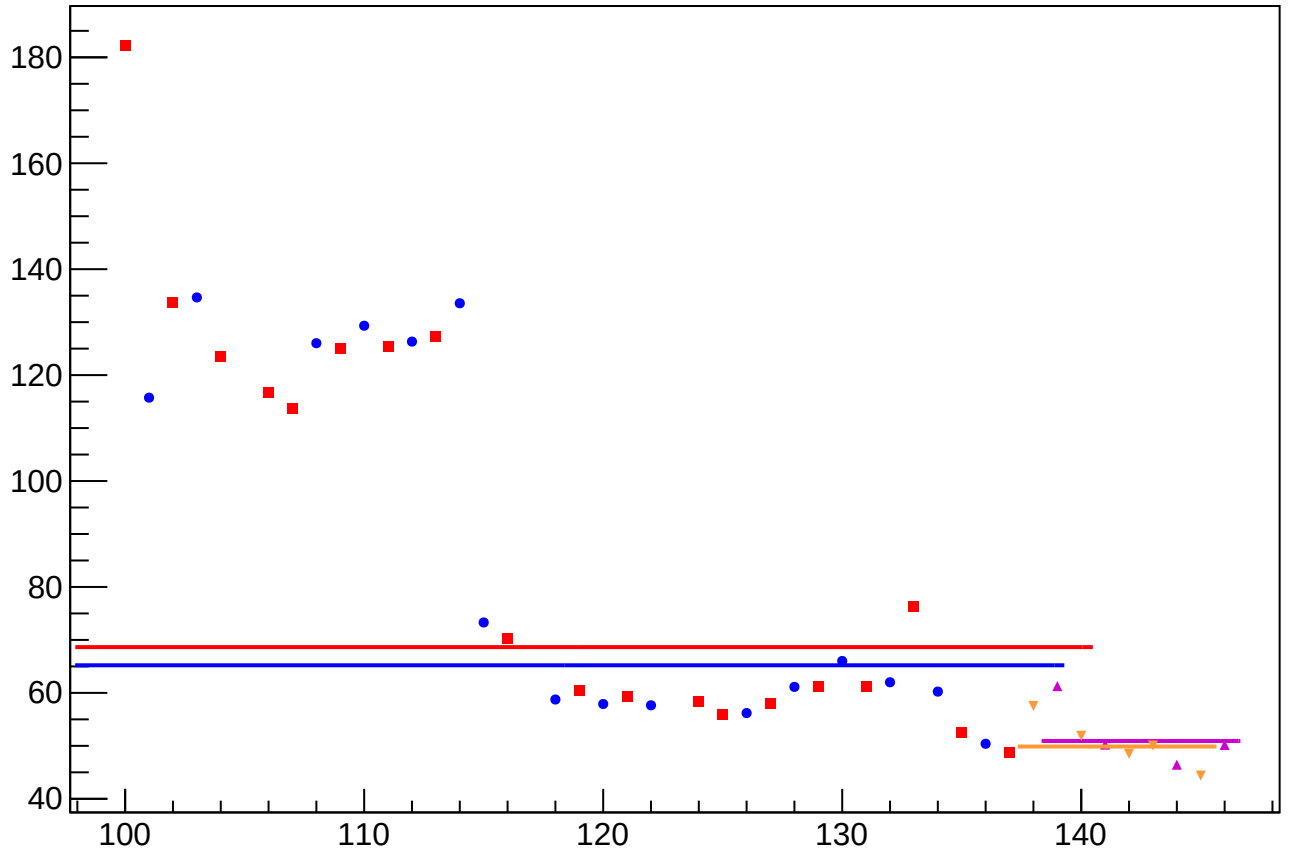
Left: 50.700+/-18.969 χ^2/NDF: 6.6/8

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 35.658+/-18.781 χ^2/NDF:17.3/19

Out: 66.550+/-18.794 χ^2/NDF:23.5/23

All: 51.093+/-13.285 χ^2/NDF: 42.1/43



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.871+/-0.019 χ^2/NDF:54486.0/4

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

Left: 50.371+/-0.013 χ^2/NDF: 121414.3/8

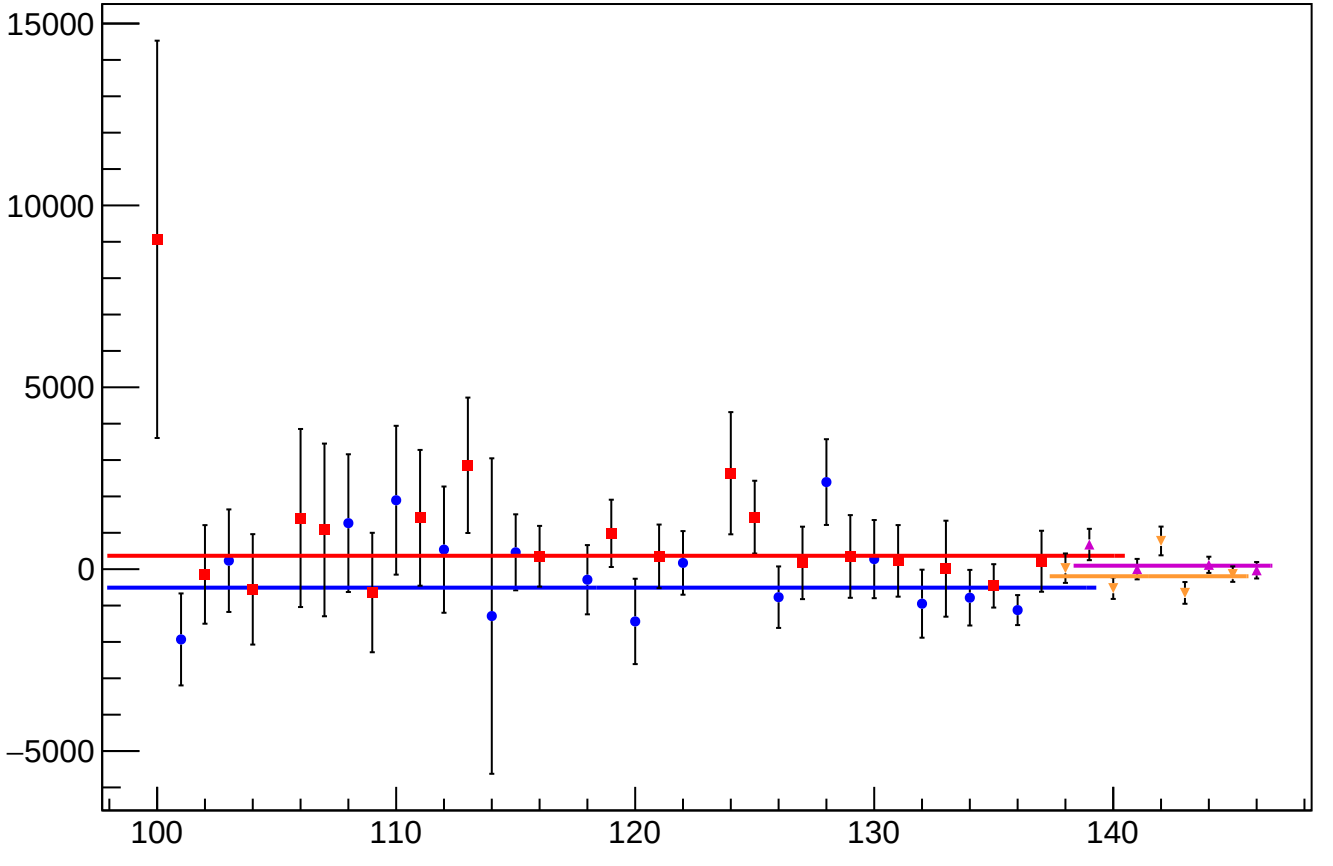
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 58.503+/-0.013 χ^2/NDF:1800599.9/19

Out: 59.037+/-0.013 χ^2/NDF:2190549.6/23

All: 58.770+/-0.009 χ^2/NDF: 3991958.4/43

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: -194.541+/-132.229 χ^2/NDF:10.0/4

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 95.495+/-131.629 χ^2/NDF:2.3/3

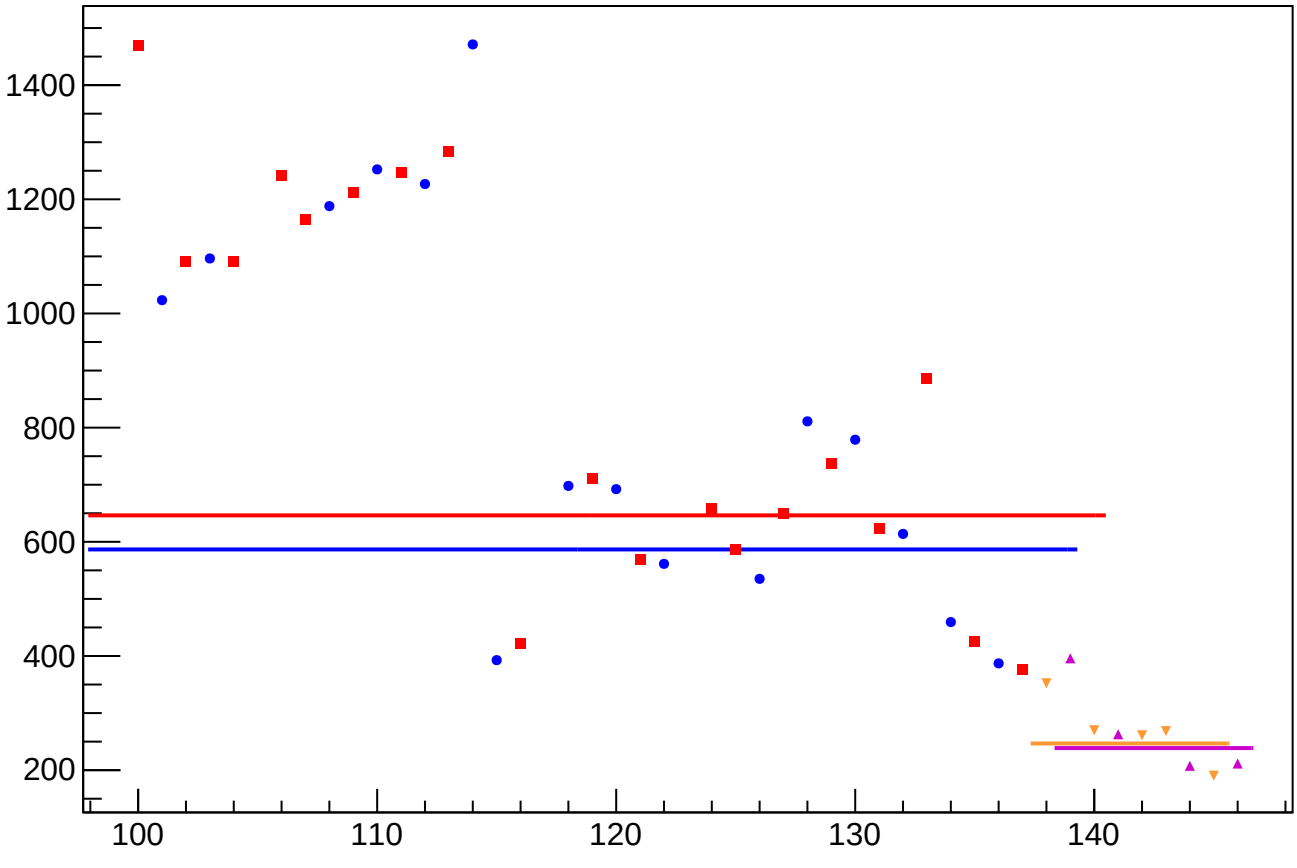
Left: -48.863+/-93.287 χ^2/NDF: 14.7/8

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -46.805+/-115.066 χ^2/NDF:22.8/19

Out: -76.386+/-117.534 χ^2/NDF:25.1/23

All: -61.282+/-82.223 χ^2/NDF: 48.0/43



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 246.707+/-0.094 χ^2/NDF:301792.3/4

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 238.697+/-0.093 χ^2/NDF:348608.5/3

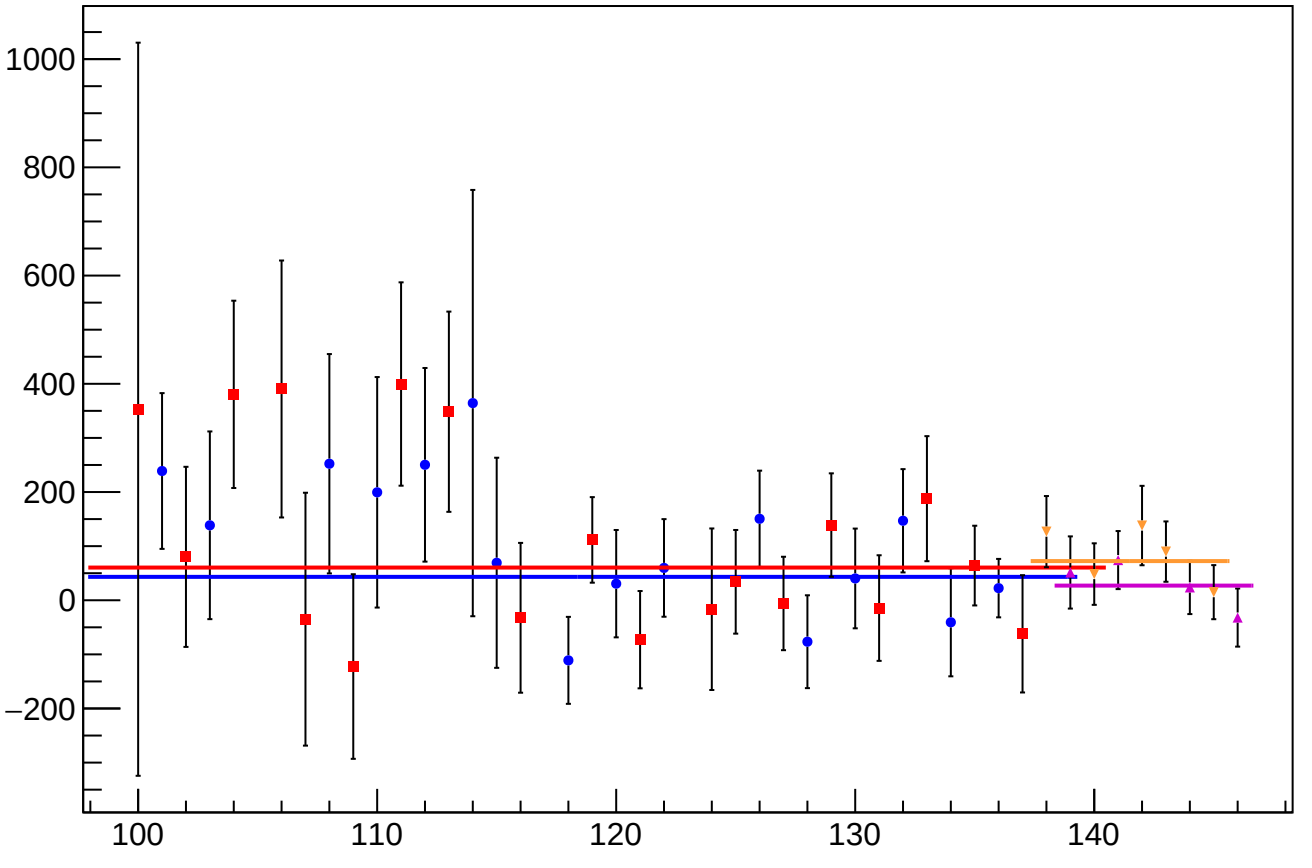
Left: 242.684+/-0.066 χ^2/NDF: 654087.5/8

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 320.753+/-0.081 χ^2/NDF:5697532.8/19

Out: 330.593+/-0.083 χ^2/NDF:6199495.4/23

All: 325.568+/-0.058 χ^2/NDF: 11904186.2/43



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 72.389+/-26.274 χ^2/NDF:3.1/4

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 27.084+/-27.416 χ^2/NDF:2.1/3

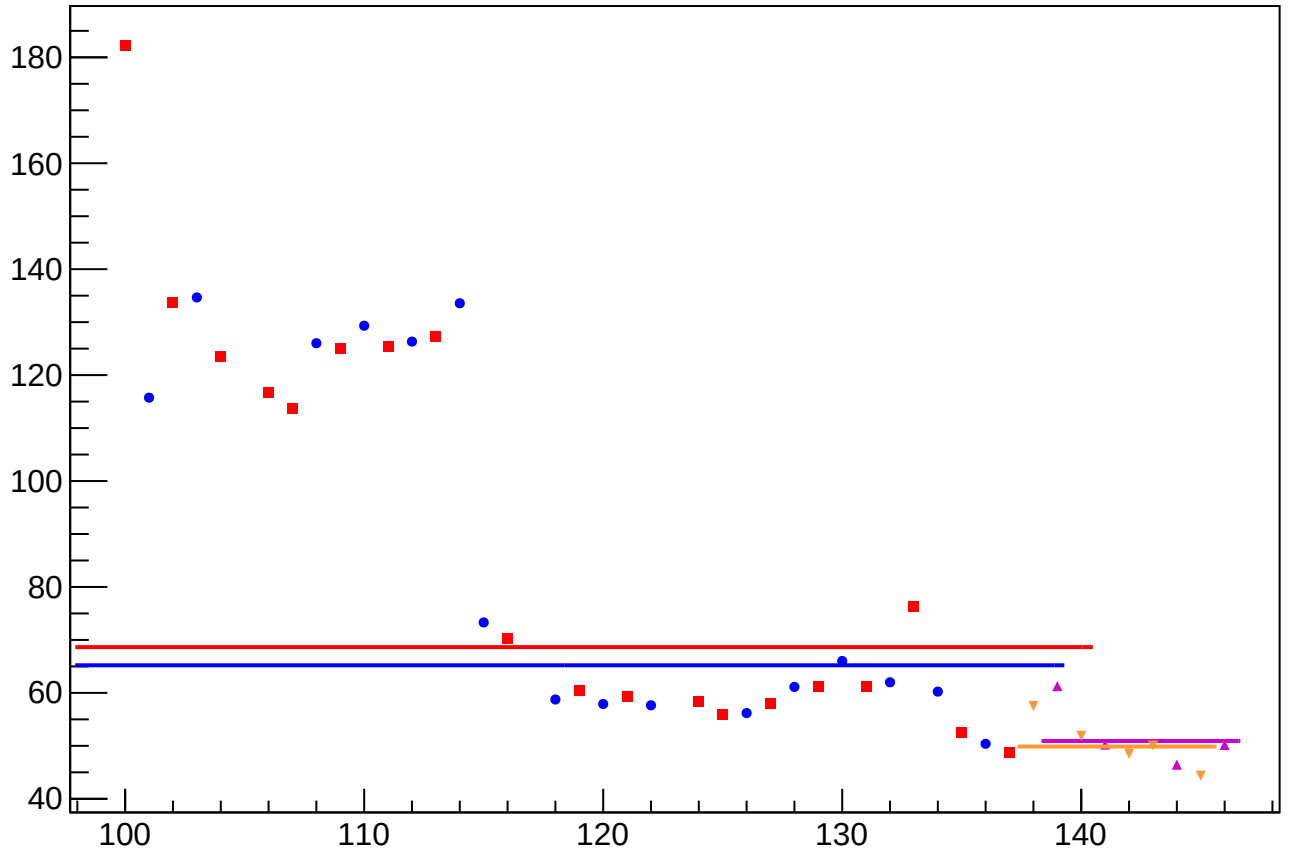
Left: 50.700+/-18.969 χ^2/NDF: 6.6/8

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 35.658+/-18.781 χ^2/NDF:17.3/19

Out: 66.550+/-18.794 χ^2/NDF:23.5/23

All: 51.093+/-13.285 χ^2/NDF: 42.1/43



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.871+/-0.019 χ^2/NDF:54486.0/4

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

Left: 50.371+/-0.013 χ^2/NDF: 121414.3/8

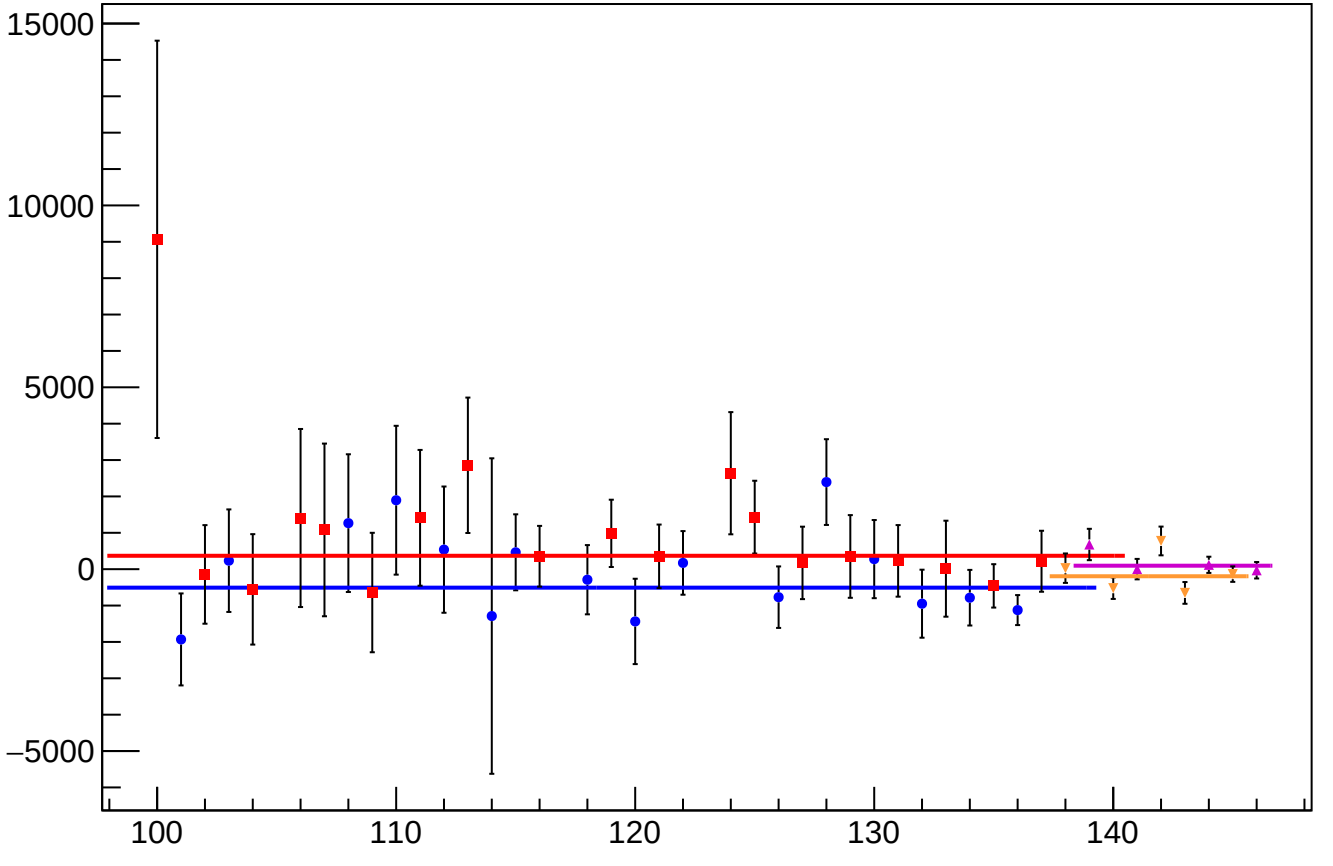
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 58.503+/-0.013 χ^2/NDF:1800599.9/19

Out: 59.037+/-0.013 χ^2/NDF:2190549.6/23

All: 58.770+/-0.009 χ^2/NDF: 3991958.4/43

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: -194.541+/-132.229 χ^2/NDF:10.0/4

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 95.495+/-131.629 χ^2/NDF:2.3/3

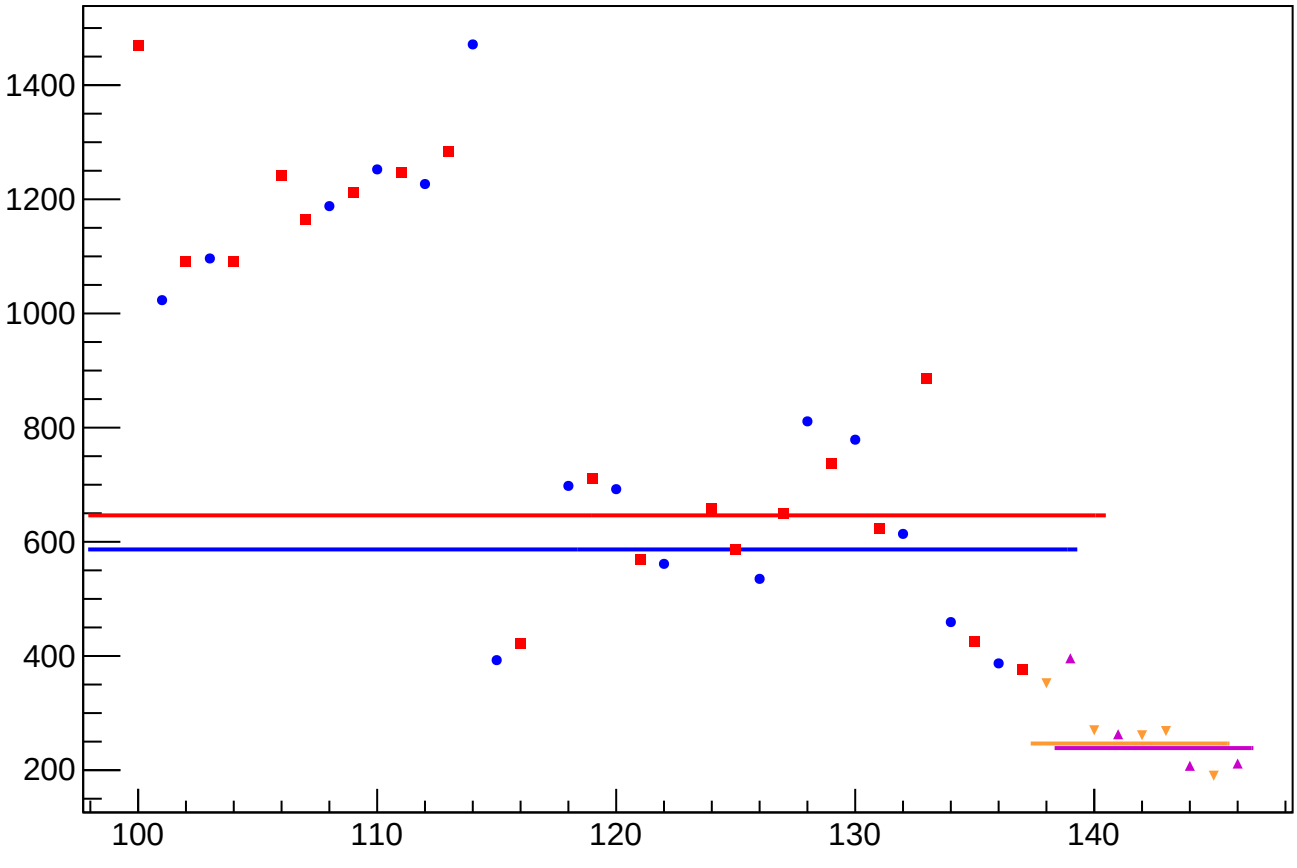
Left: -48.863+/-93.287 χ^2/NDF: 14.7/8

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -46.805+/-115.066 χ^2/NDF:22.8/19

Out: -76.386+/-117.534 χ^2/NDF:25.1/23

All: -61.282+/-82.223 χ^2/NDF: 48.0/43



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 246.707+/-0.094 χ^2/NDF:301792.3/4

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 238.697+/-0.093 χ^2/NDF:348608.5/3

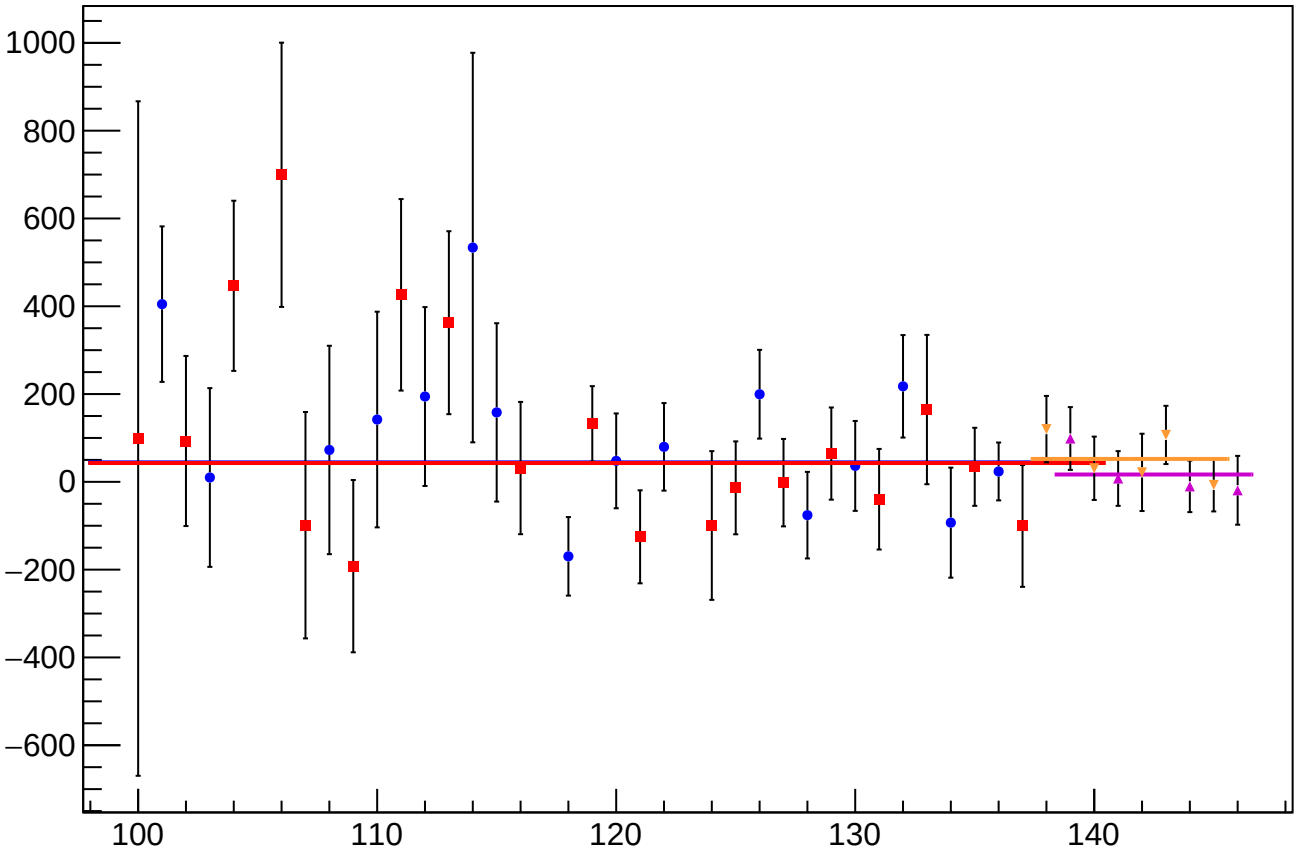
Left: 242.684+/-0.066 χ^2/NDF: 654087.5/8

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 320.753+/-0.081 χ^2/NDF:5697532.8/19

Out: 330.593+/-0.083 χ^2/NDF:6199495.4/23

All: 325.568+/-0.058 χ^2/NDF: 11904186.2/43



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 52.217+/-31.658 χ^2/NDF:2.7/4

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 16.731+/-33.221 χ^2/NDF:1.8/3

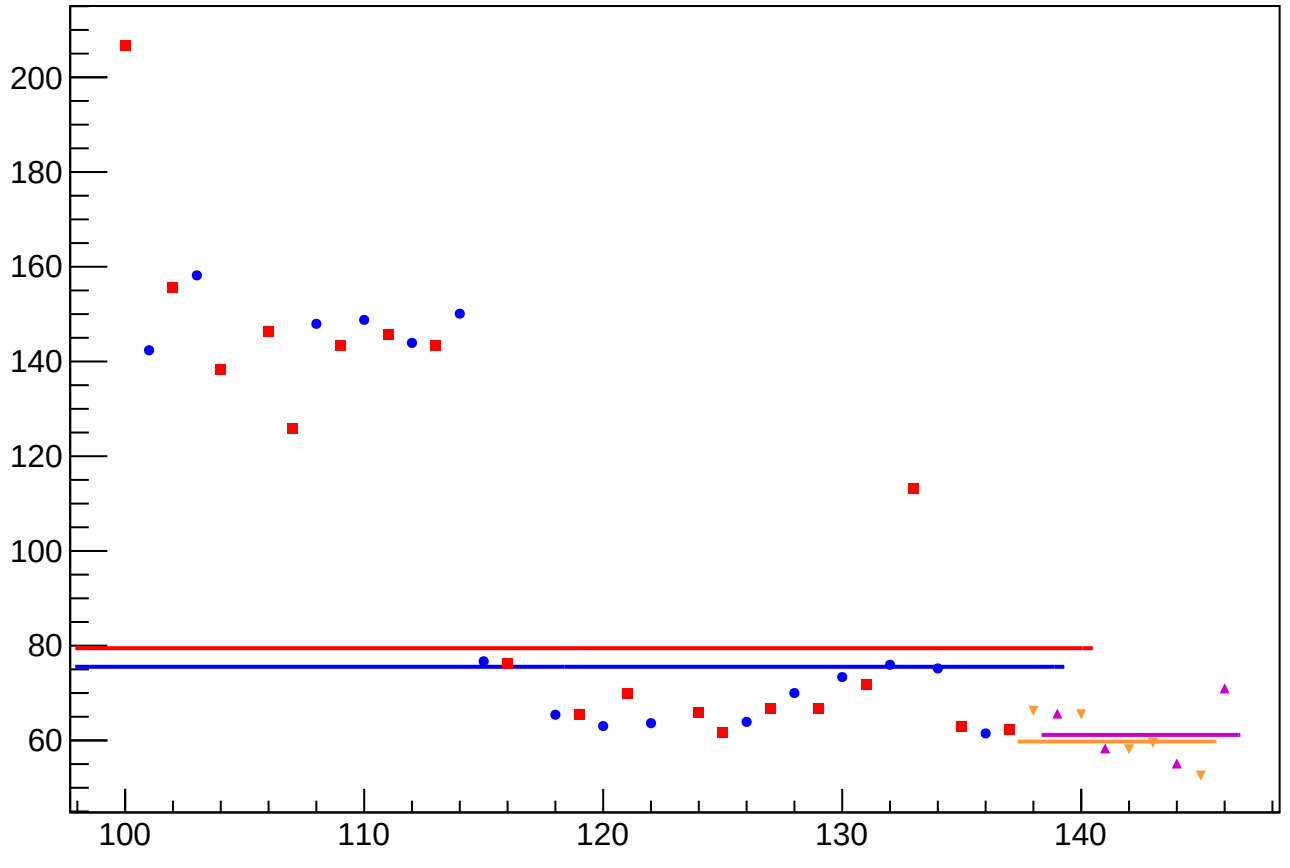
Left: 35.328+/-22.918 χ^2/NDF: 5.0/8

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 32.006+/-22.227 χ^2/NDF:21.8/19

Out: 47.498+/-22.239 χ^2/NDF:26.0/23

All: 39.748+/-15.721 χ^2/NDF: 48.0/43



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 59.763+/-0.022 χ^2/NDF:56493.1/4

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 61.161+/-0.023 χ^2/NDF:64580.7/3

Left: 60.429+/-0.016 χ^2/NDF: 122930.9/8

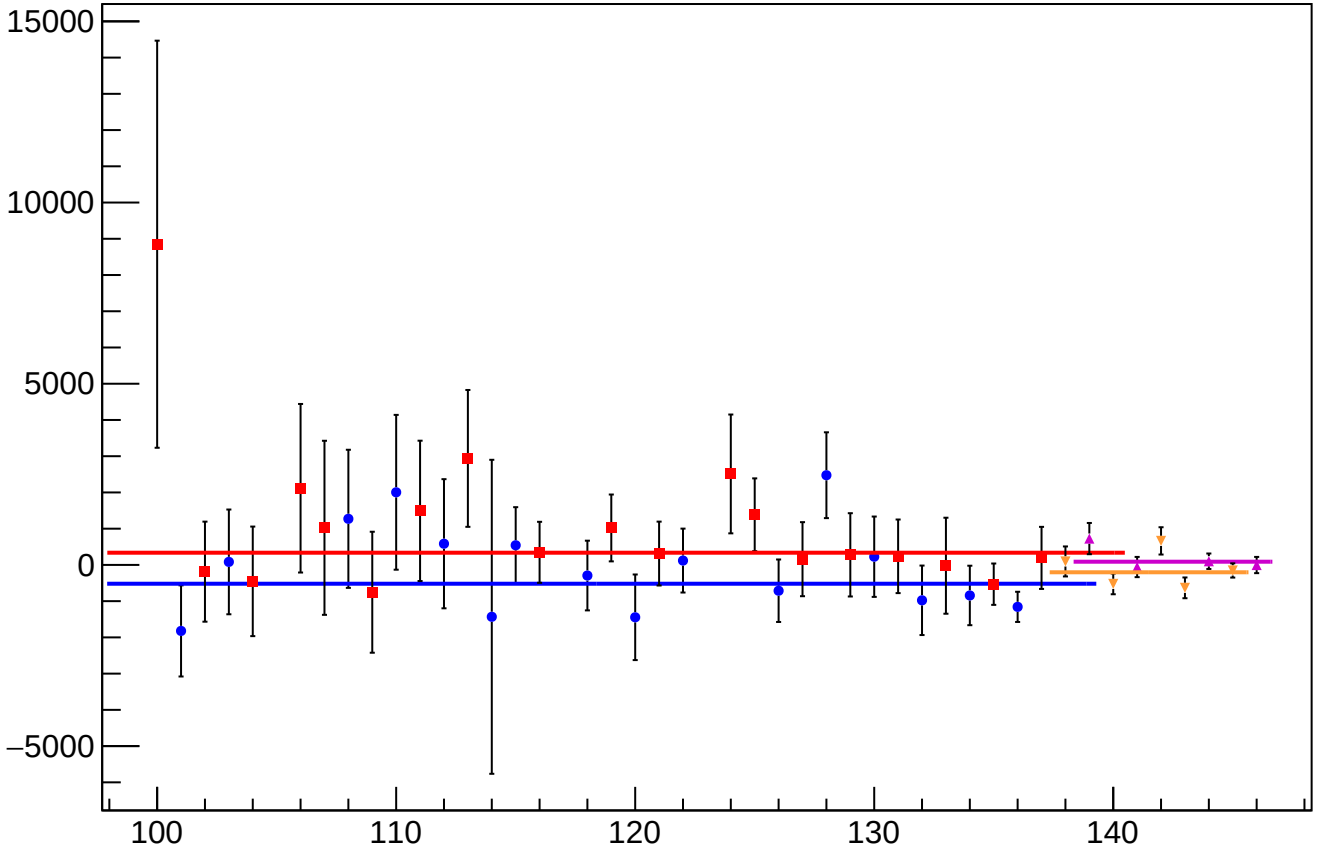
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 69.105+/-0.016 χ^2/NDF:1737193.4/19

Out: 69.743+/-0.016 χ^2/NDF:2132489.0/23

All: 69.424+/-0.011 χ^2/NDF: 3870504.0/43

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: -203.221+/-125.747 χ^2/NDF:9.4/4

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 88.508+/-128.965 χ^2/NDF:2.6/3

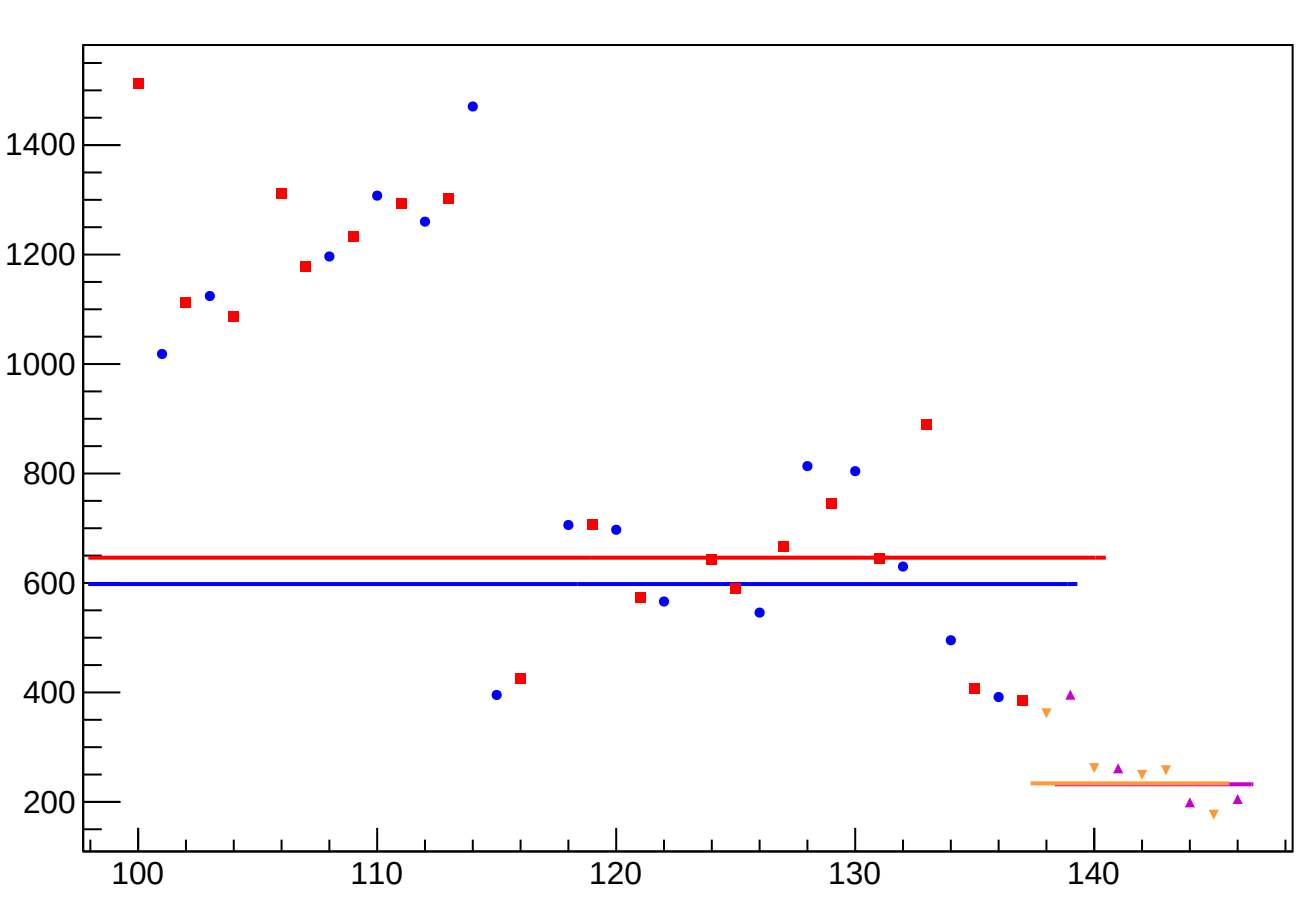
Left: -61.042+/-90.033 χ^2/NDF: 14.6/8

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -46.510+/-113.741 χ^2/NDF:23.4/19

Out: -98.674+/-112.919 χ^2/NDF:24.9/23

All: -72.781+/-80.135 χ^2/NDF: 48.4/43



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 233.868+/-0.089 χ^2/NDF:397575.4/4

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 232.162+/-0.091 χ^2/NDF:387041.4/3

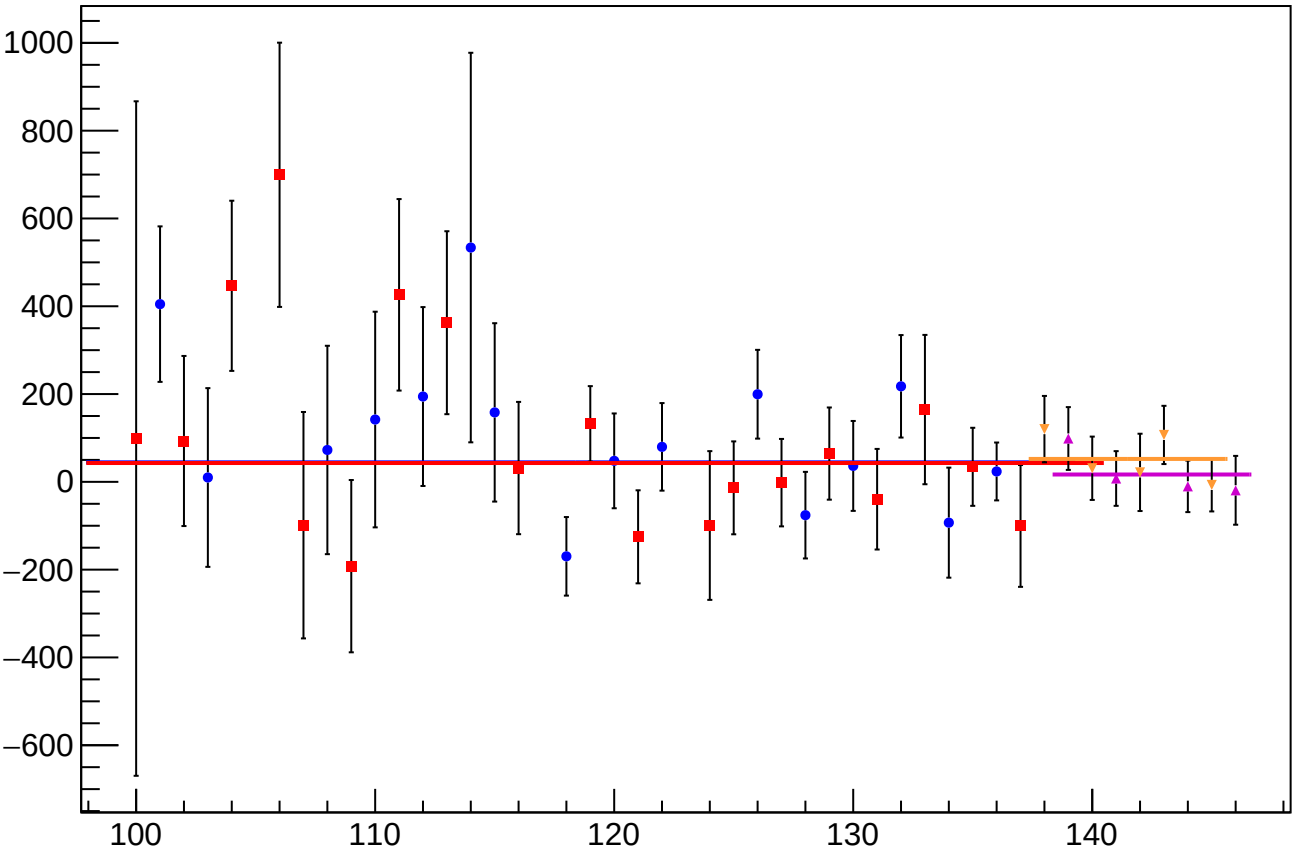
Left: 233.037+/-0.064 χ^2/NDF: 784796.2/8

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 313.446+/-0.080 χ^2/NDF:6011124.3/19

Out: 313.704+/-0.080 χ^2/NDF:6766590.2/23

All: 313.576+/-0.057 χ^2/NDF: 12777719.7/43



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 52.216+/-31.658 χ^2/NDF:2.7/4

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 16.731+/-33.221 χ^2/NDF:1.8/3

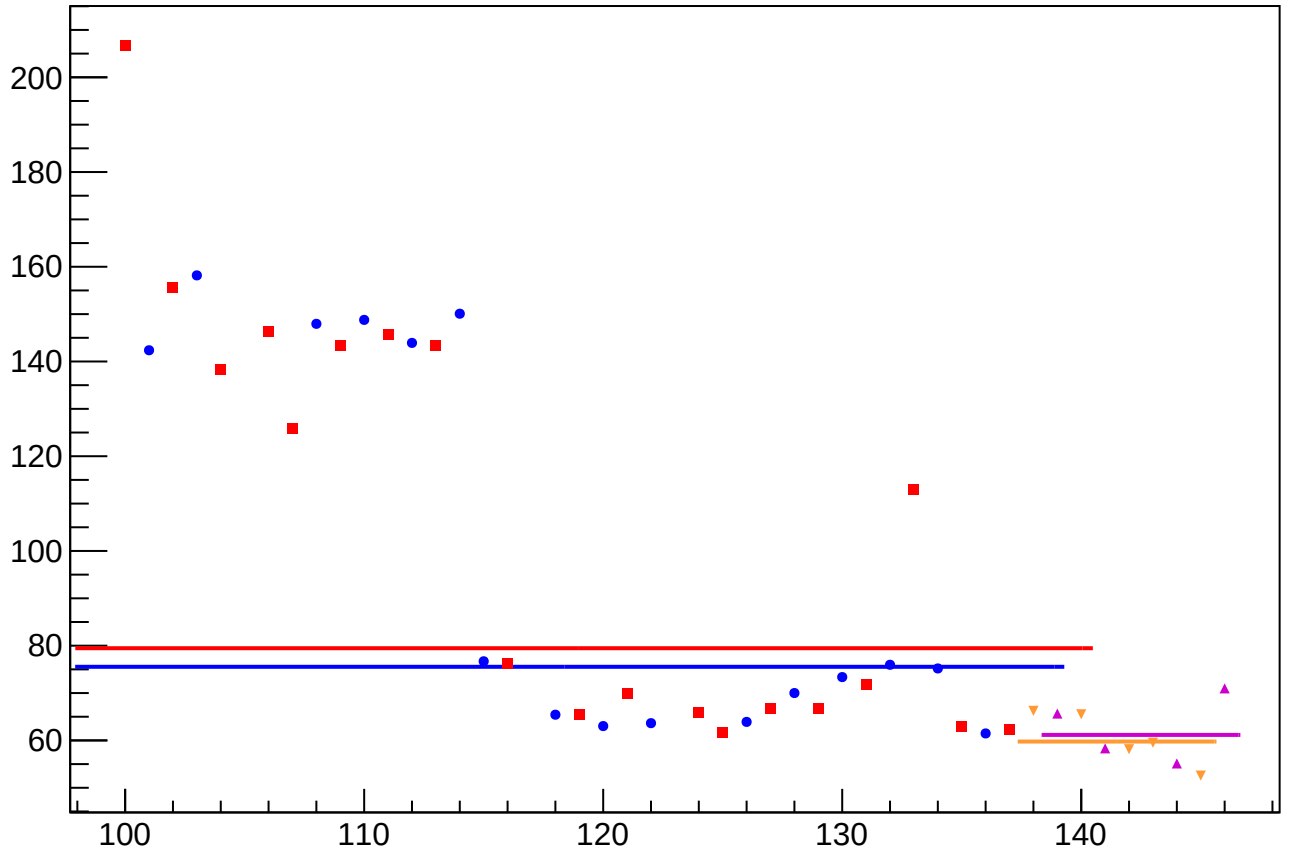
Left: 35.328+/-22.918 χ^2/NDF: 5.0/8

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 32.007+/-22.227 χ^2/NDF:21.8/19

Out: 47.497+/-22.239 χ^2/NDF:26.0/23

All: 39.748+/-15.721 χ^2/NDF: 48.0/43



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 59.763+/-0.022 χ^2/NDF:56488.0/4

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 61.162+/-0.023 χ^2/NDF:64579.8/3

Left: 60.429+/-0.016 χ^2/NDF: 122925.0/8

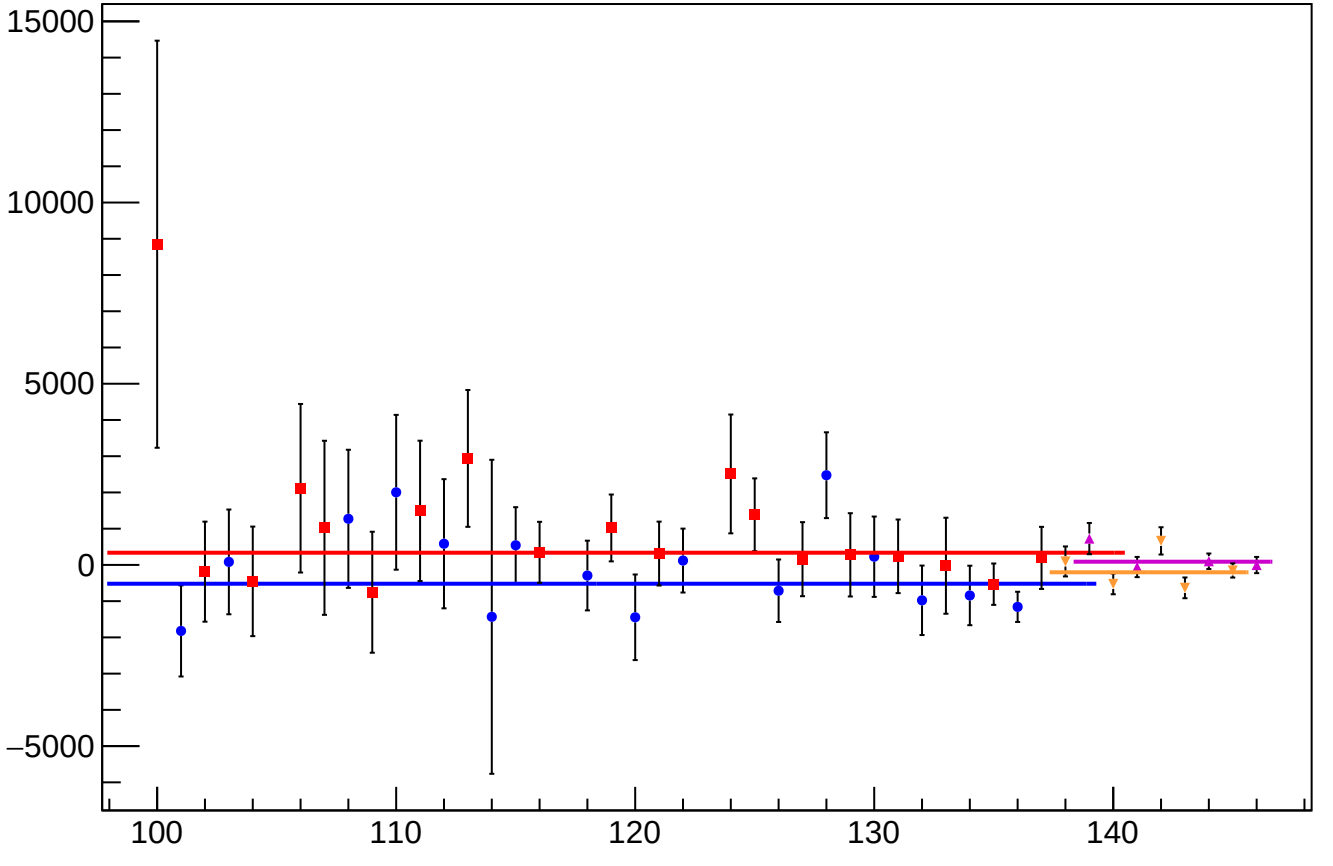
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 69.105+/-0.016 χ^2/NDF:1737162.3/19

Out: 69.743+/-0.016 χ^2/NDF:2132457.3/23

All: 69.424+/-0.011 χ^2/NDF: 3870441.3/43

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: -203.223+/-125.747 χ^2/NDF:9.4/4

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 88.508+/-128.965 χ^2/NDF:2.6/3

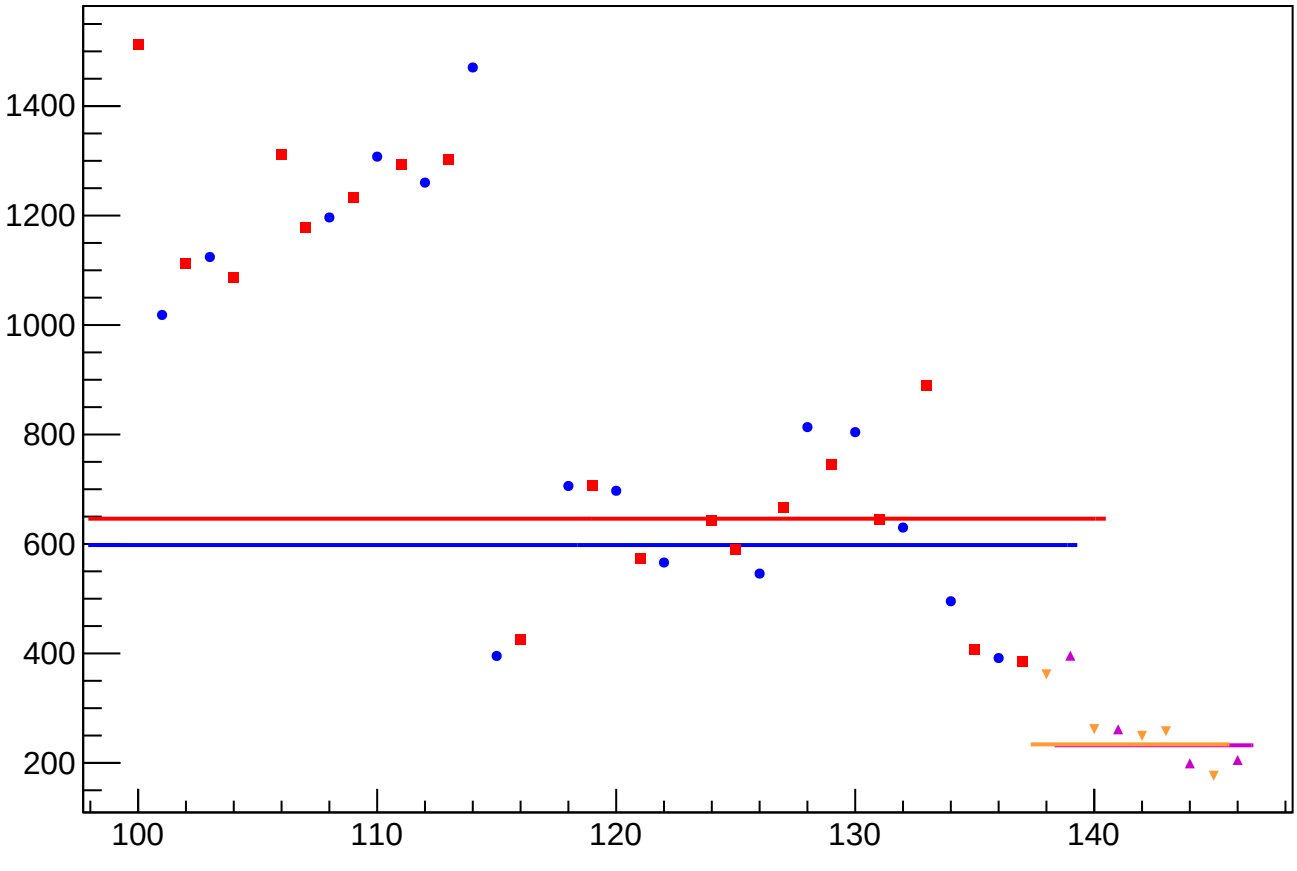
Left: -61.042+/-90.033 χ^2/NDF: 14.6/8

Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -46.509+/-113.741 χ^2/NDF:23.4/19

Out: -98.675+/-112.919 χ^2/NDF:24.9/23

All: -72.781+/-80.135 χ^2/NDF: 48.4/43



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 233.868+/-0.089 χ^2/NDF:397576.3/4

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 232.162+/-0.091 χ^2/NDF:387037.5/3

Left: 233.037+/-0.064 χ^2/NDF: 784793.1/8

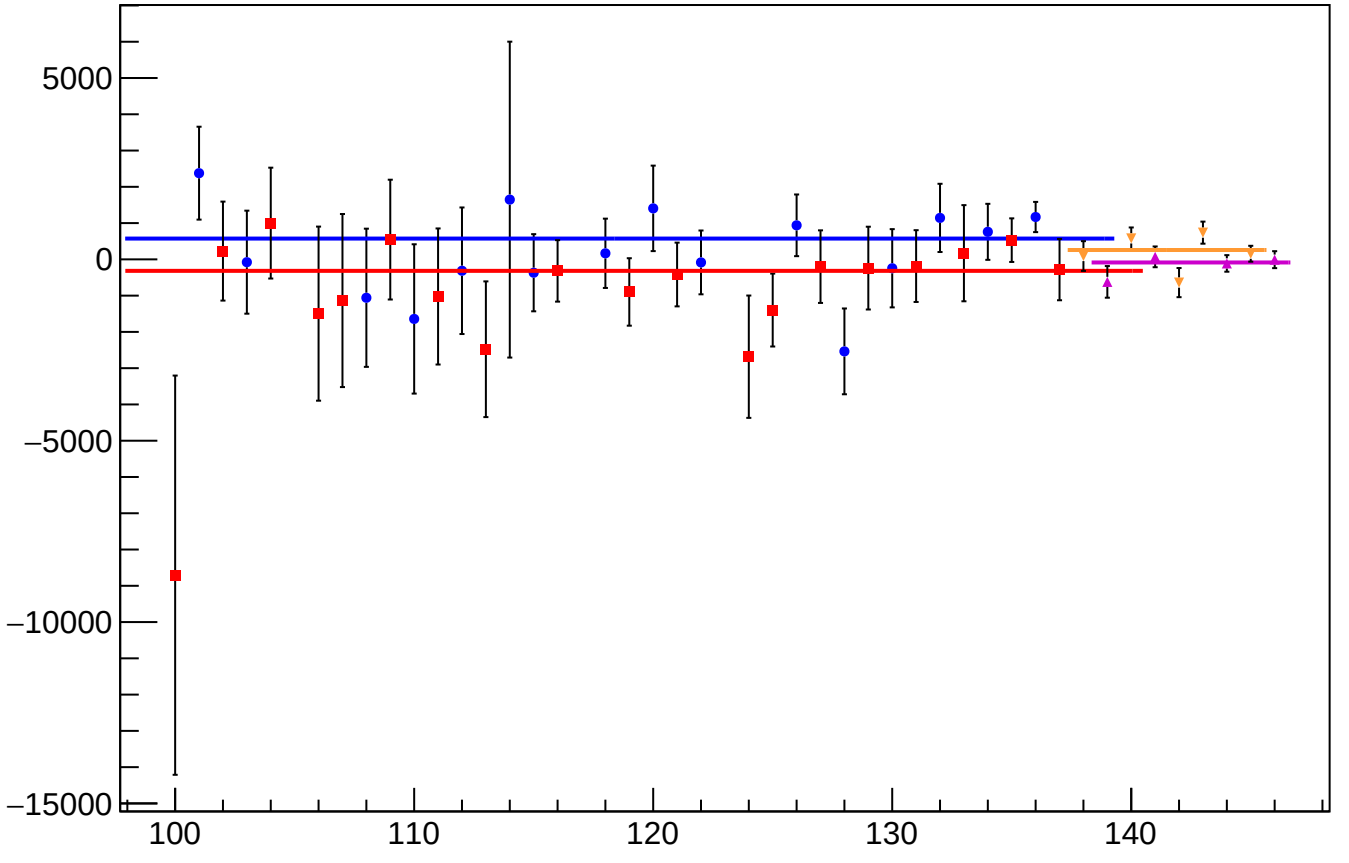
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 313.445+/-0.080 χ^2/NDF:6011106.7/19

Out: 313.703+/-0.080 χ^2/NDF:6766589.5/23

All: 313.575+/-0.057 χ^2/NDF: 12777701.4/43

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 257.964+/-135.060 χ^2/NDF:9.0/4

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -85.718+/-134.911 χ^2/NDF:1.9/3

Left: 85.934+/-95.449 χ^2/NDF: 14.2/8

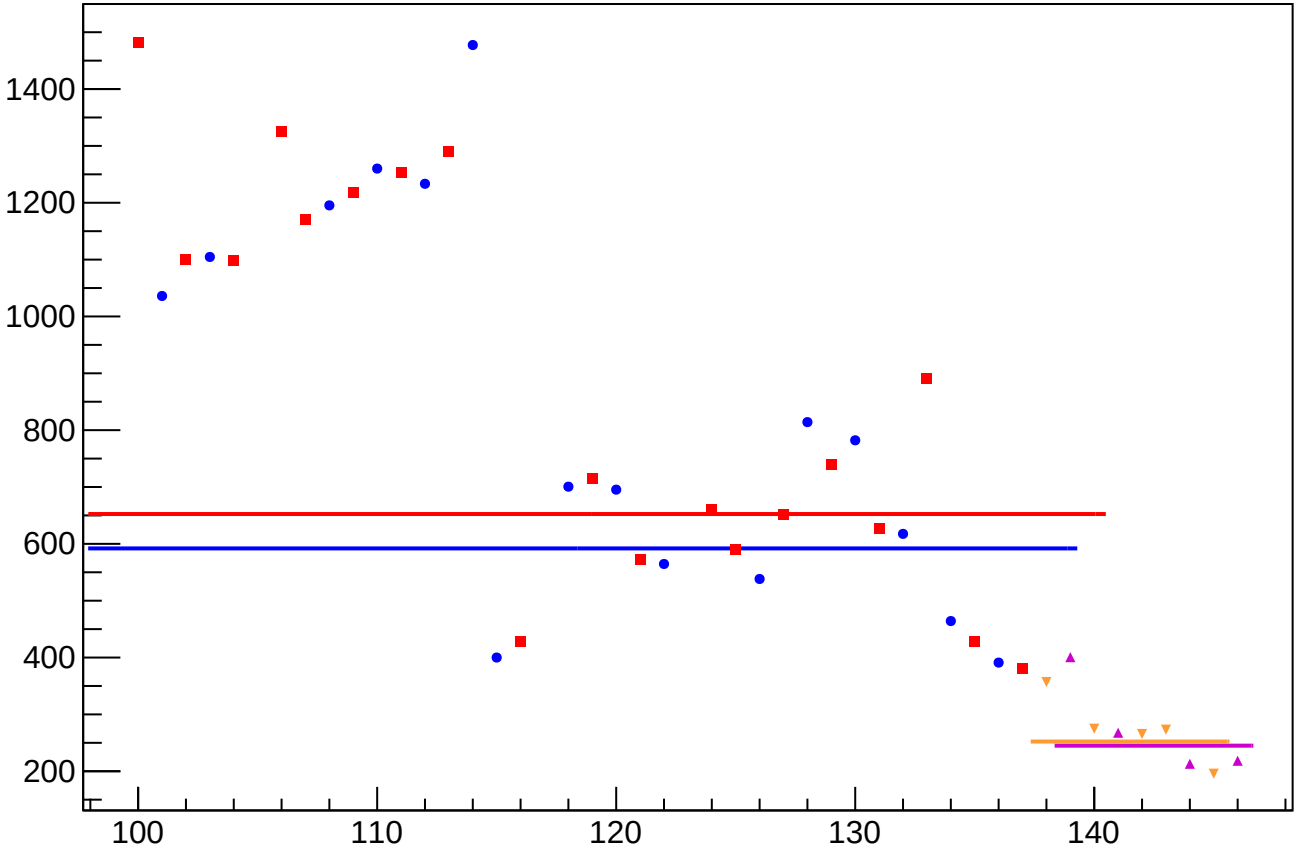
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 73.627+/-117.476 χ^2/NDF:24.3/19

Out: 134.508+/-119.680 χ^2/NDF:23.9/23

All: 103.502+/-83.836 χ^2/NDF: 48.3/43

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 252.268+/-0.096 χ^2/NDF:286858.7/4

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 245.010+/-0.095 χ^2/NDF:332218.9/3

Left: 248.635+/-0.067 χ^2/NDF: 621968.2/8

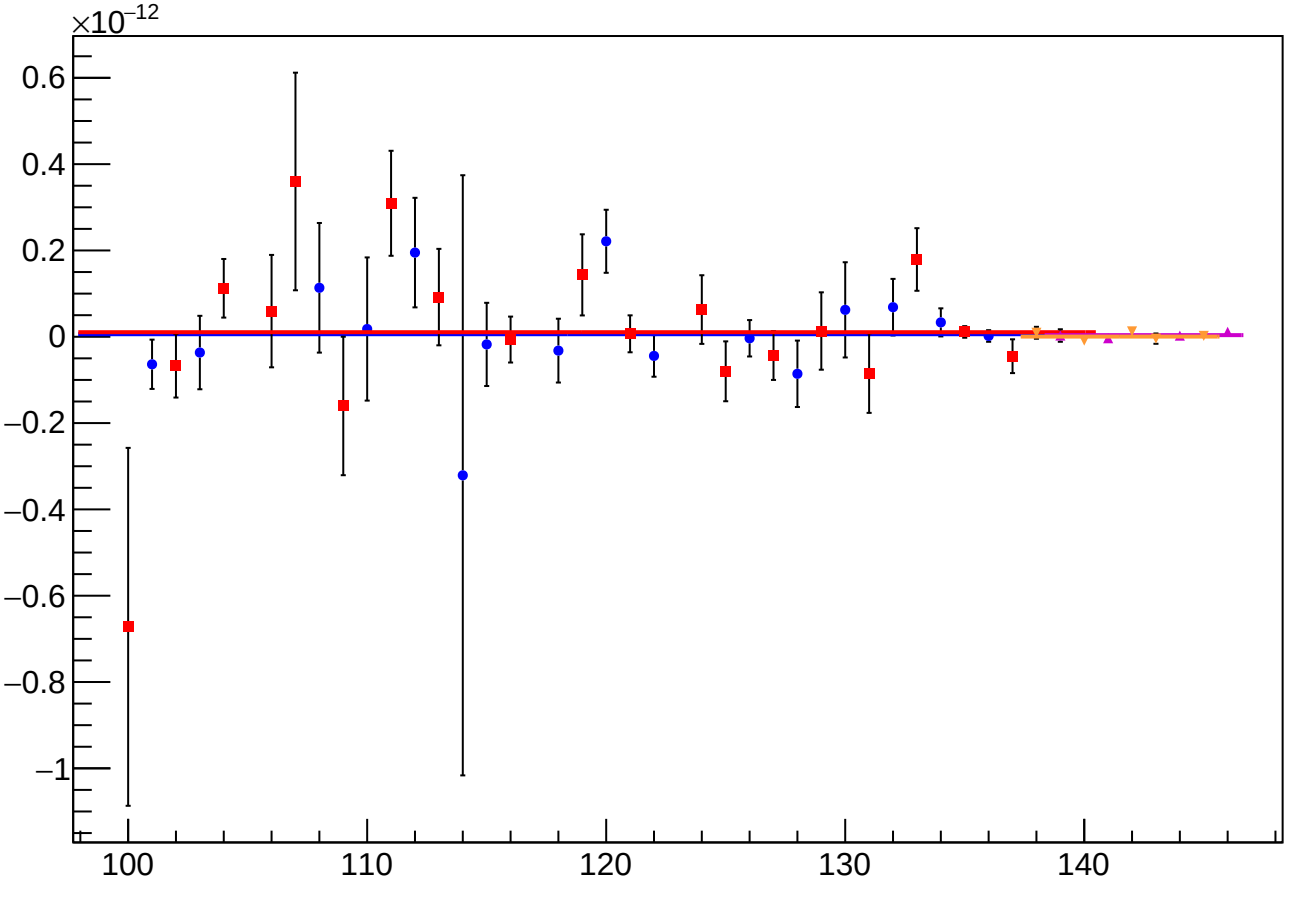
Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 328.894+/-0.083 χ^2/NDF:5566029.3/19

Out: 338.222+/-0.085 χ^2/NDF:6148332.7/23

All: 333.471+/-0.059 χ^2/NDF: 11720550.1/43

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

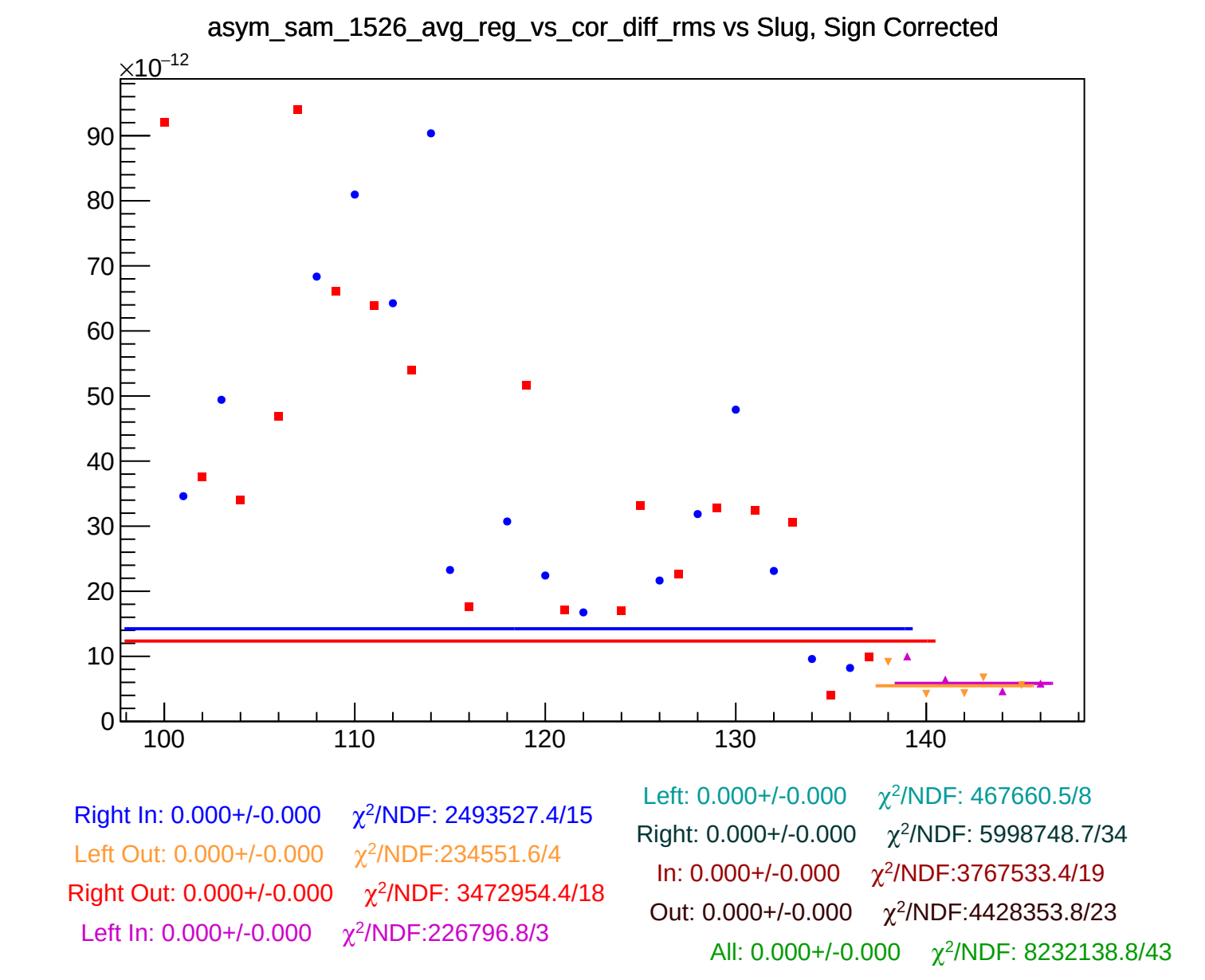
Left: 0.000+/-0.000 χ^2/NDF: 4.5/8

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

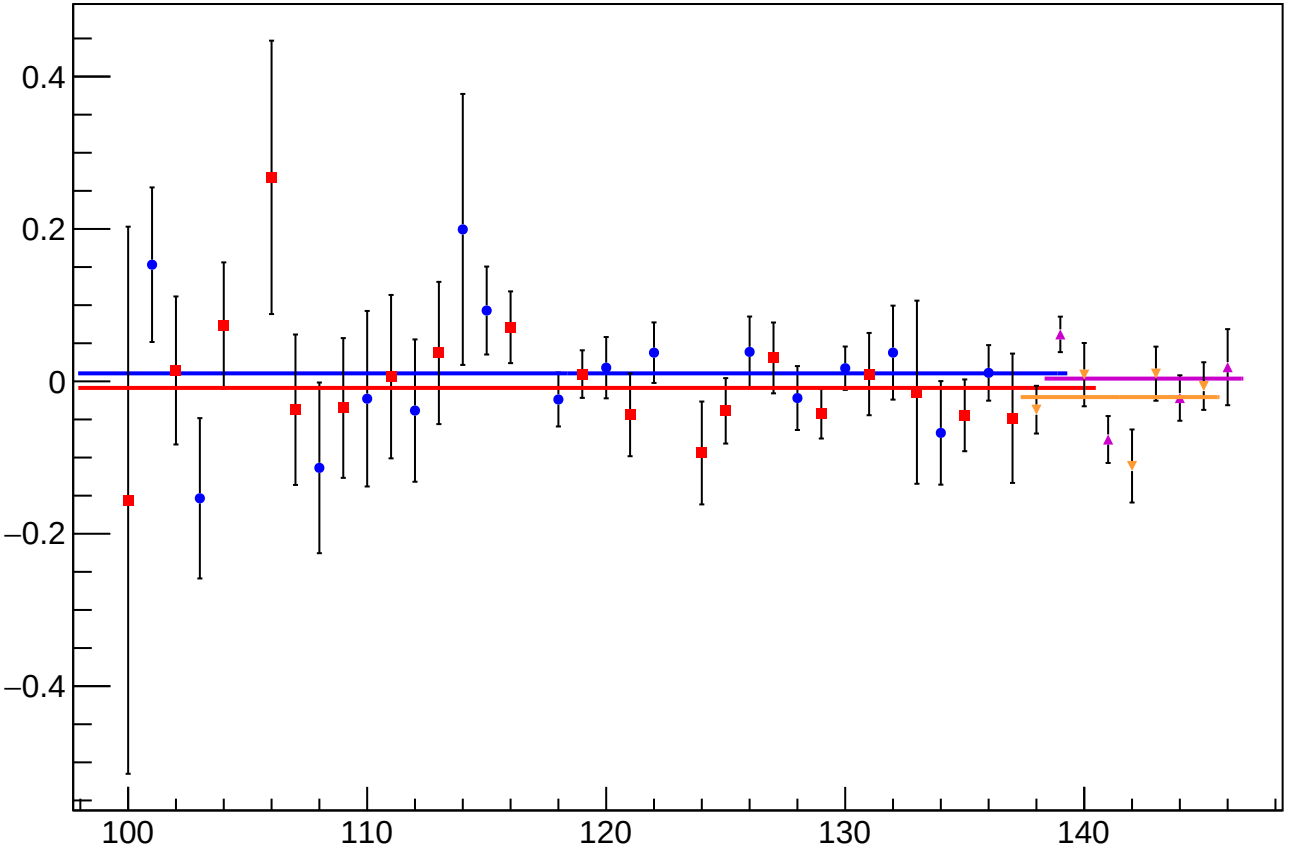
In: 0.000+/-0.000 χ^2/NDF:19.3/19

Out: 0.000+/-0.000 χ^2/NDF:33.5/23

All: 0.000+/-0.000 χ^2/NDF: 52.9/43


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
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:234551.6/4
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:226796.8/3
Left: 0.000+/-0.000 χ²/NDF: 467660.5/8
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:3767533.4/19
Out: 0.000+/-0.000 χ²/NDF:4428353.8/23
All: 0.000+/-0.000 χ²/NDF: 8232138.8/43

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.016 χ^2/NDF:5.3/4

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.004+/-0.015 χ^2/NDF:13.8/3

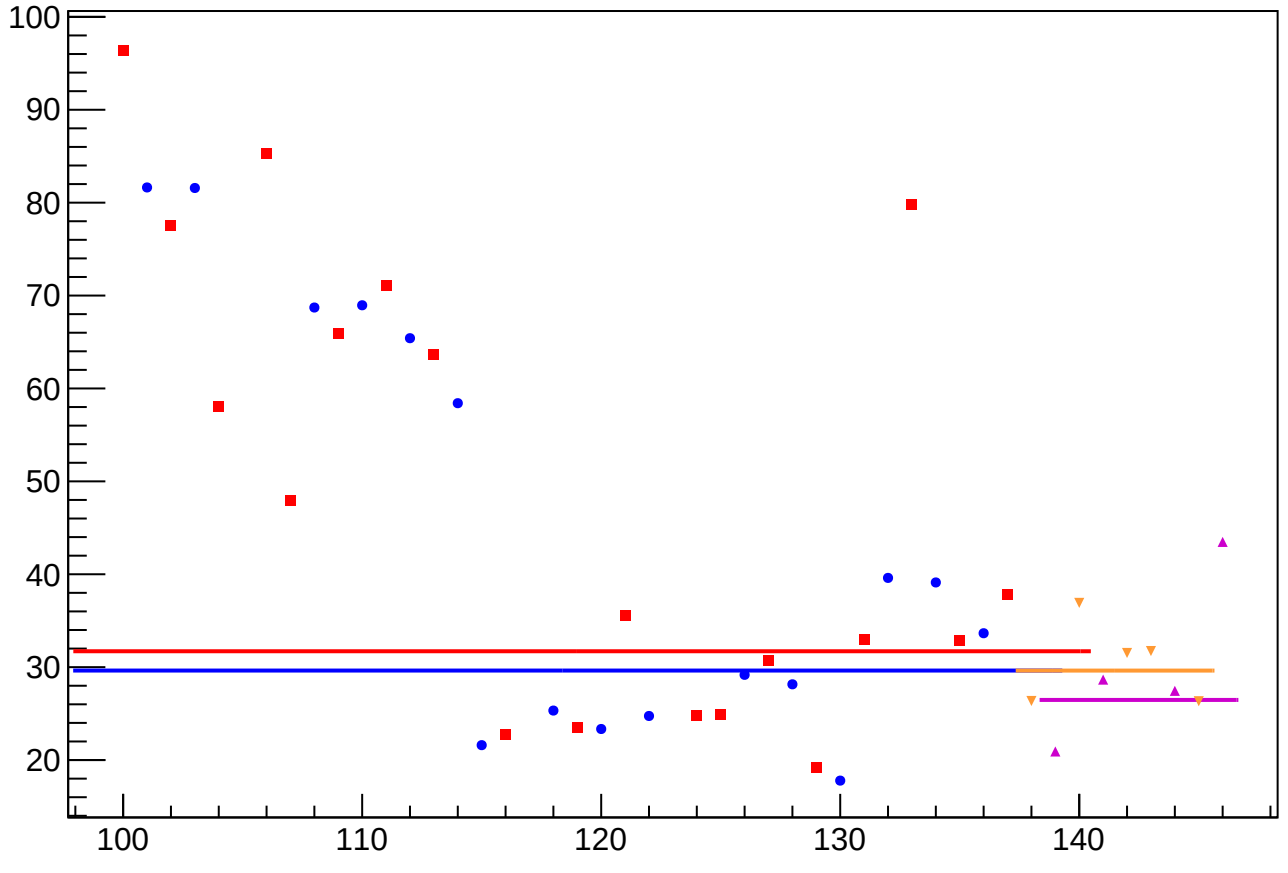
Left: -0.008+/-0.011 χ^2/NDF: 20.3/8

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.008+/-0.010 χ^2/NDF:27.0/19

Out: -0.013+/-0.010 χ^2/NDF:18.1/23

All: -0.002+/-0.007 χ^2/NDF: 47.4/43



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.631+/-0.011 χ^2/NDF:115878.2/4

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 26.472+/-0.011 χ^2/NDF:358008.5/3

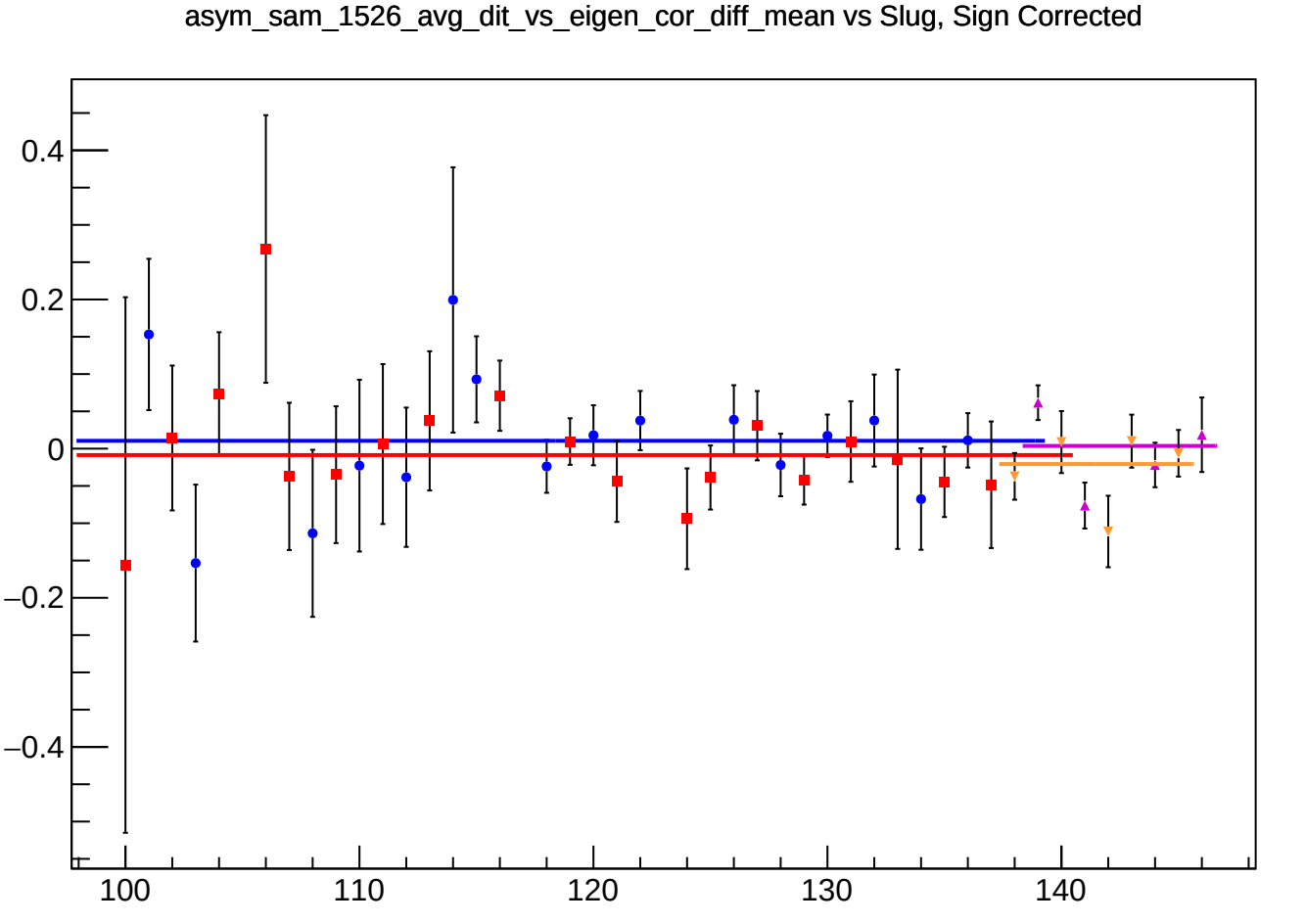
Left: 27.942+/-0.008 χ^2/NDF: 515002.2/8

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

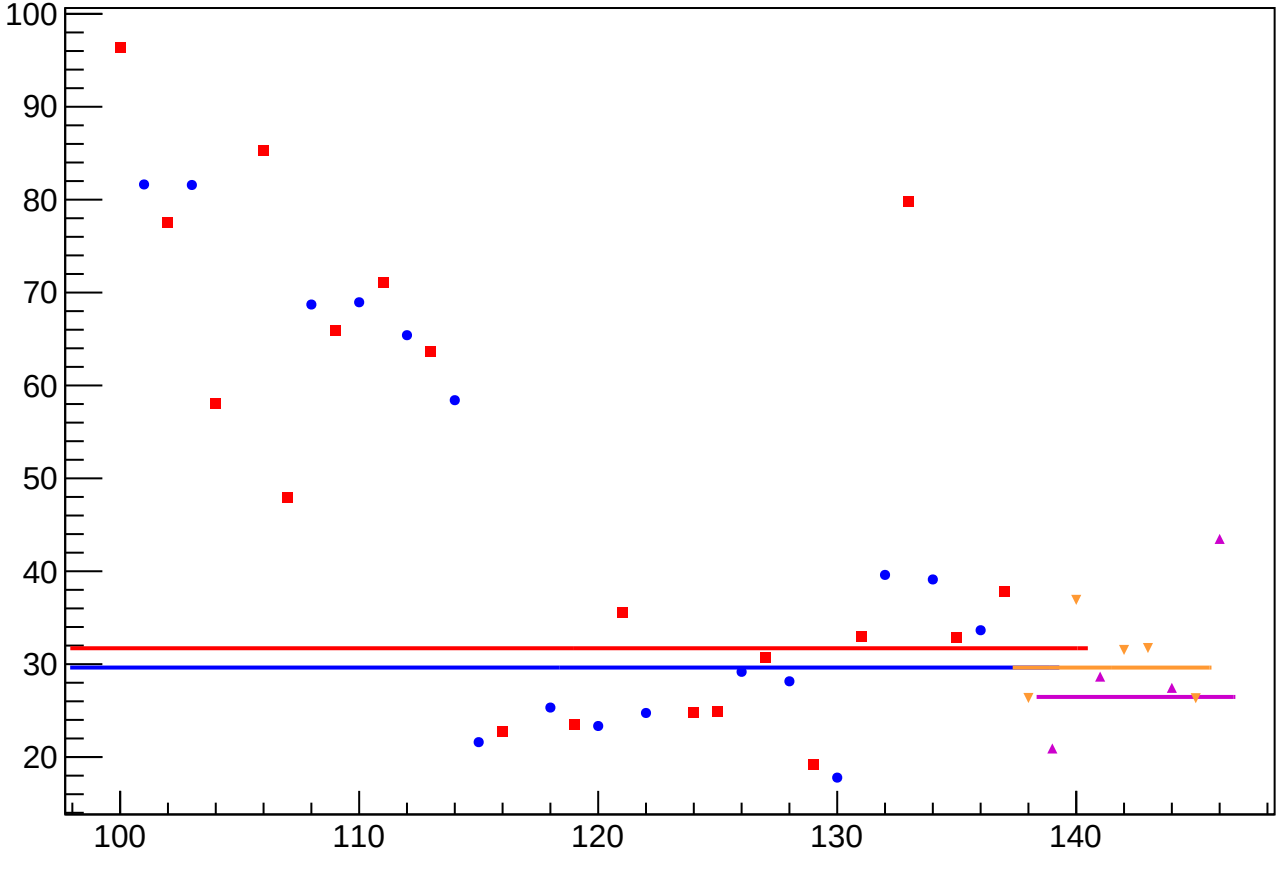
In: 28.335+/-0.007 χ^2/NDF:2858621.5/19

Out: 30.873+/-0.007 χ^2/NDF:2787268.1/23

All: 29.528+/-0.005 χ^2/NDF: 5711151.7/43


asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: -0.021+/-0.016 χ²/NDF:5.3/4
Right Out: -0.009+/-0.013 χ²/NDF: 12.4/18
Left In: 0.004+/-0.015 χ²/NDF:13.8/3
Left: -0.008+/-0.011 χ²/NDF: 20.3/8
Right: 0.001+/-0.009 χ²/NDF: 26.7/34
In: 0.008+/-0.010 χ²/NDF:27.0/19
Out: -0.013+/-0.010 χ²/NDF:18.1/23
All: -0.002+/-0.007 χ²/NDF: 47.4/43

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 29.631+/-0.011 χ^2/NDF:115878.2/4

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 26.472+/-0.011 χ^2/NDF:358008.5/3

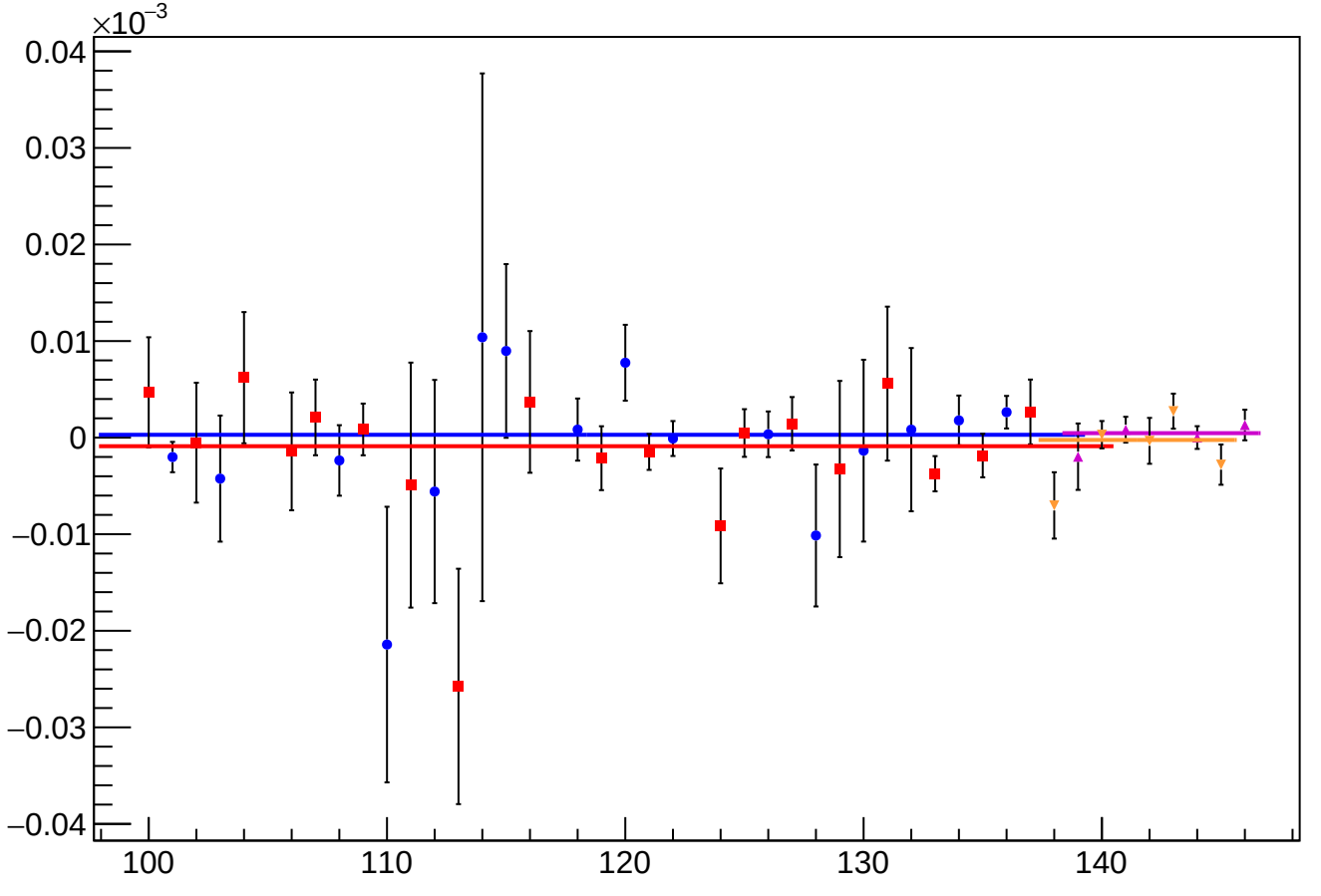
Left: 27.942+/-0.008 χ^2/NDF: 515002.2/8

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.335+/-0.007 χ^2/NDF:2858621.5/19

Out: 30.873+/-0.007 χ^2/NDF:2787268.1/23

All: 29.528+/-0.005 χ^2/NDF: 5711151.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/4

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

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

Left: 0.000+/-0.000 χ^2/NDF: 9.6/8

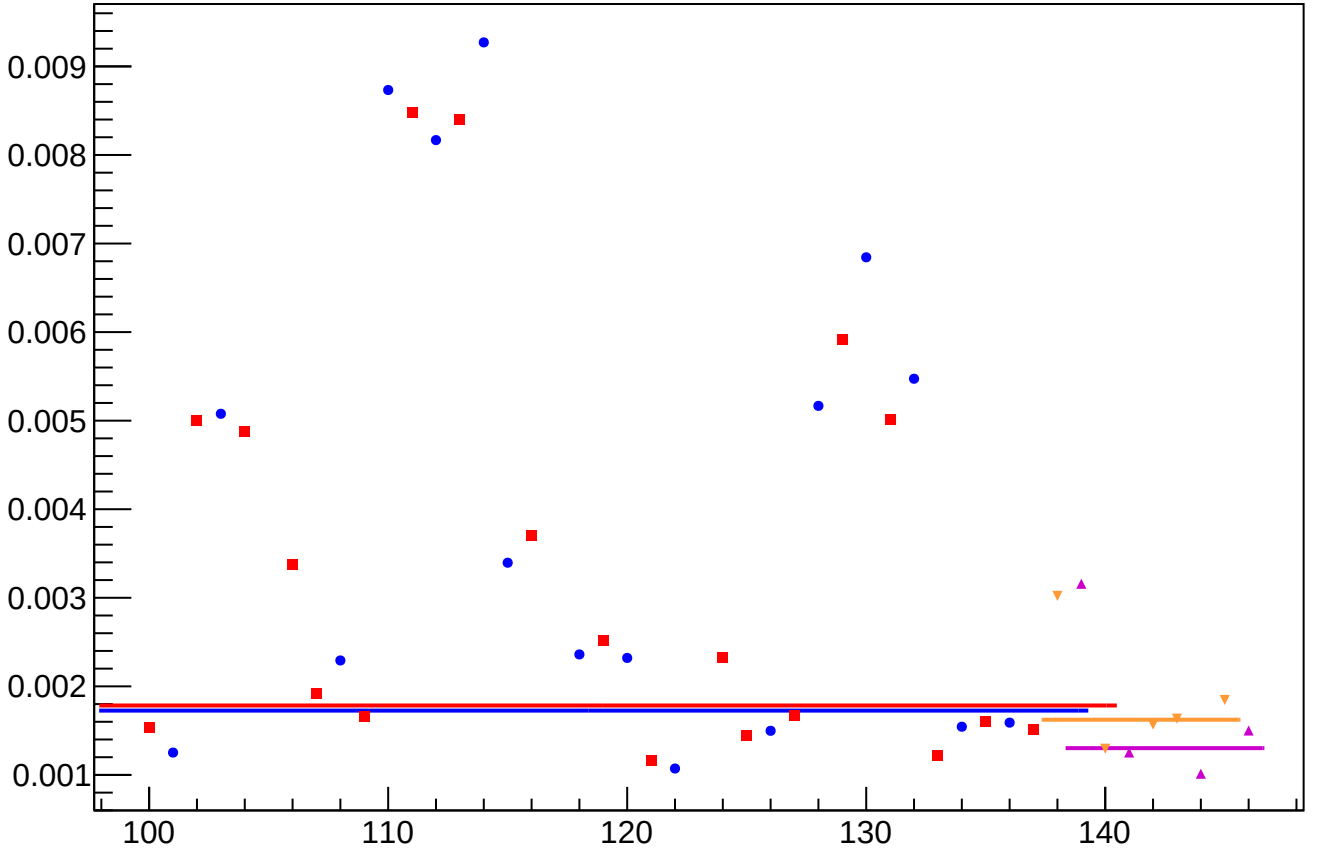
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:15.8/19

Out: -0.000+/-0.000 χ^2/NDF:23.9/23

All: -0.000+/-0.000 χ^2/NDF: 41.3/43

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:462405.9/4

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:737681.8/3

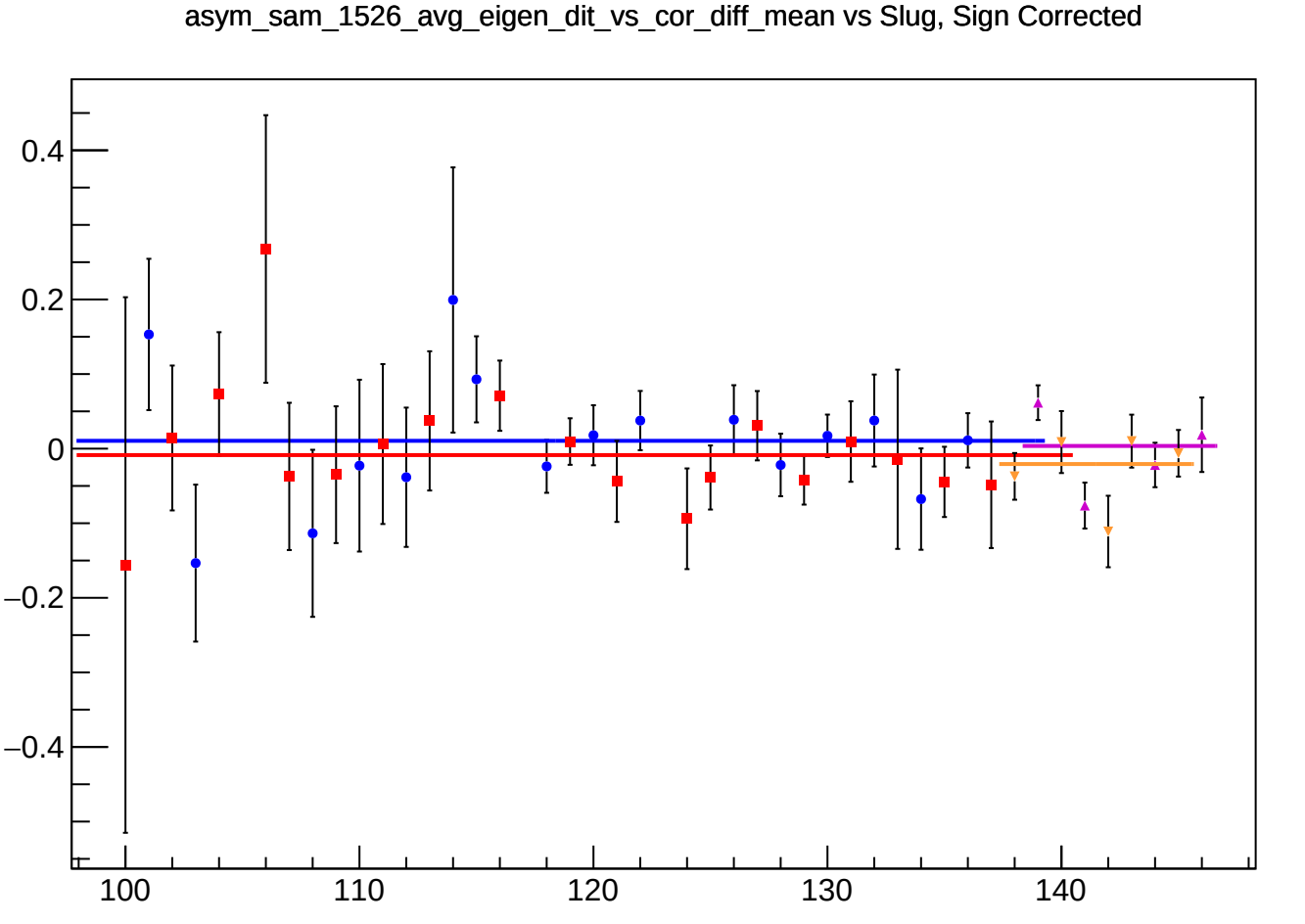
Left: 0.001+/-0.000 χ^2/NDF: 1353992.6/8

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

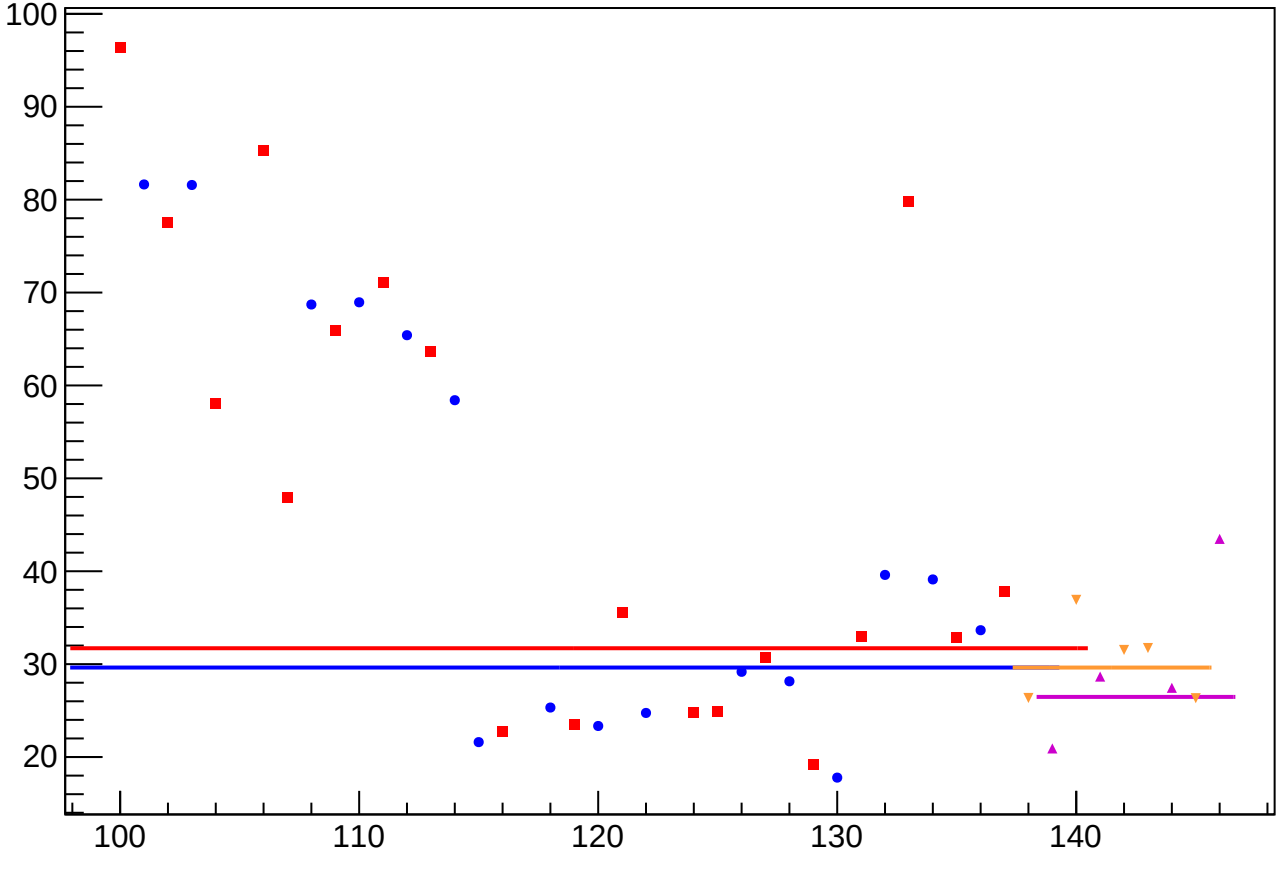
In: 0.002+/-0.000 χ^2/NDF:4983345.0/19

Out: 0.002+/-0.000 χ^2/NDF:4218713.0/23

All: 0.002+/-0.000 χ^2/NDF: 9332508.6/43


asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: -0.021+/-0.016 χ²/NDF:5.3/4
Right Out: -0.009+/-0.013 χ²/NDF: 12.4/18
Left In: 0.004+/-0.015 χ²/NDF:13.8/3
Left: -0.008+/-0.011 χ²/NDF: 20.3/8
Right: 0.001+/-0.009 χ²/NDF: 26.7/34
In: 0.008+/-0.010 χ²/NDF:27.0/19
Out: -0.013+/-0.010 χ²/NDF:18.1/23
All: -0.002+/-0.007 χ²/NDF: 47.4/43

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.632+/-0.011 χ^2/NDF:115870.8/4

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 26.473+/-0.011 χ^2/NDF:358003.5/3

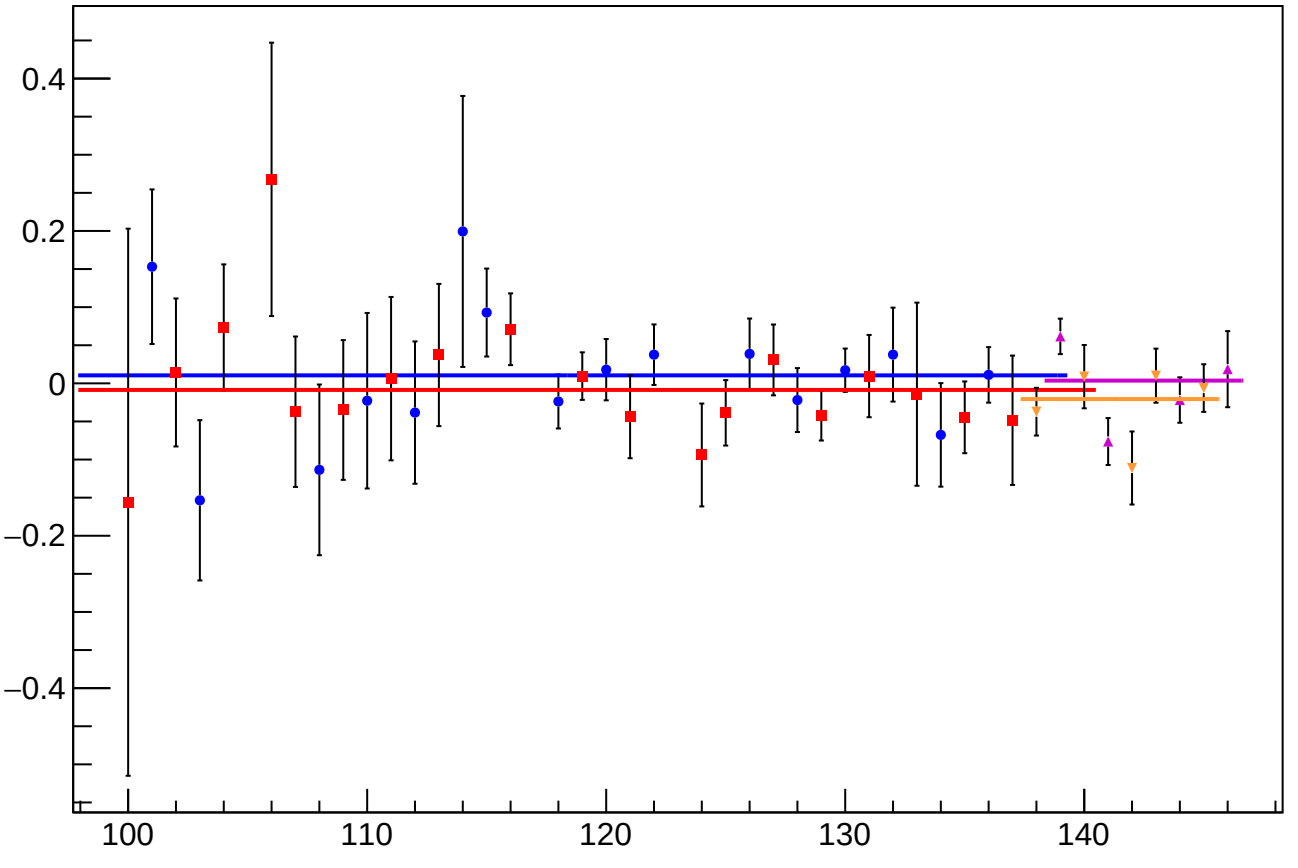
Left: 27.943+/-0.008 χ^2/NDF: 514988.1/8

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.334+/-0.007 χ^2/NDF:2858763.5/19

Out: 30.873+/-0.007 χ^2/NDF:2787396.4/23

All: 29.528+/-0.005 χ^2/NDF: 5711420.2/43



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.021+/-0.016 χ^2/NDF:5.3/4

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.004+/-0.015 χ^2/NDF:13.8/3

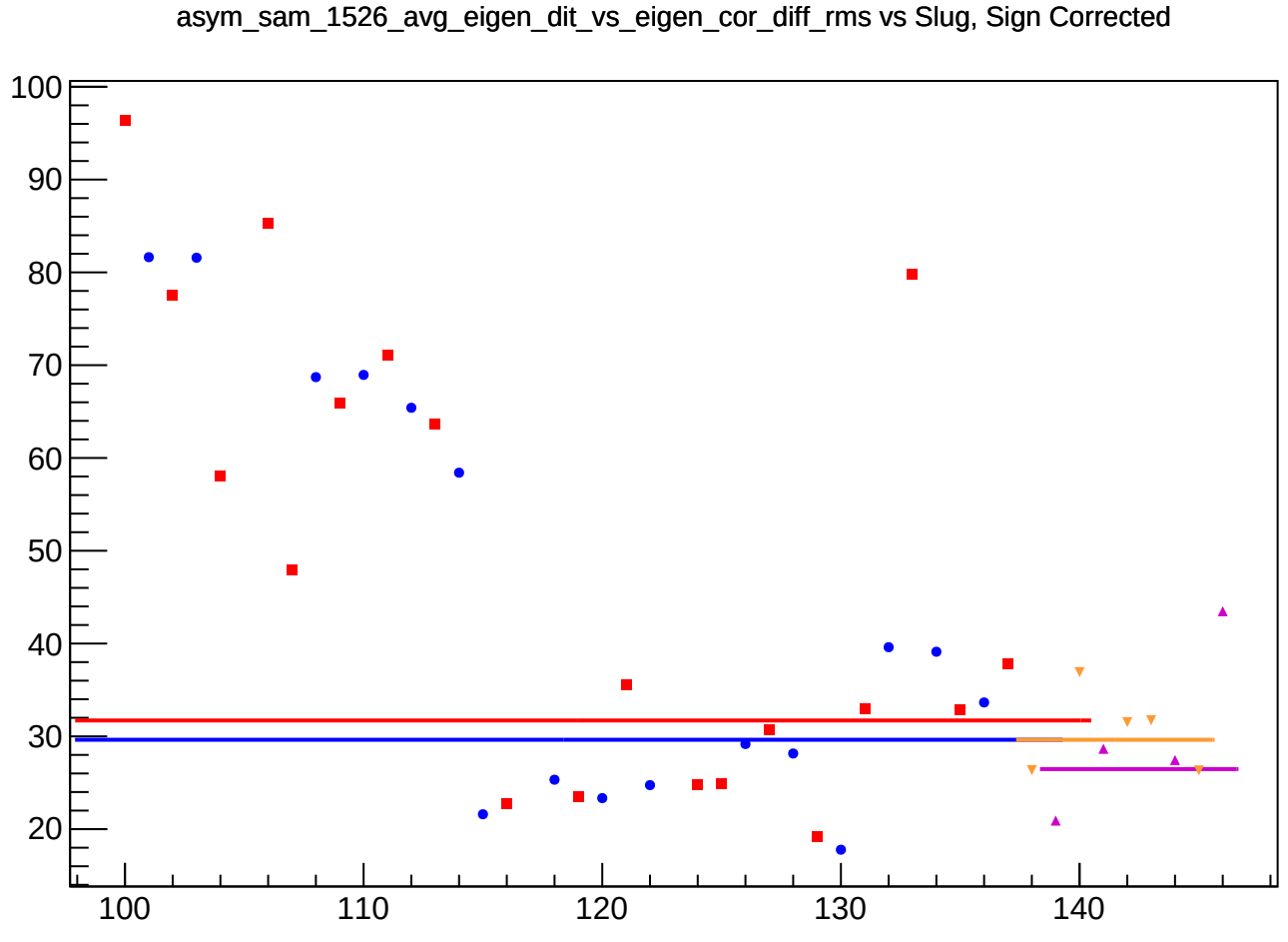
Left: -0.008+/-0.011 χ^2/NDF: 20.3/8

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.008+/-0.010 χ^2/NDF:27.0/19

Out: -0.013+/-0.010 χ^2/NDF:18.1/23

All: -0.002+/-0.007 χ^2/NDF: 47.4/43



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 29.632+/-0.011 χ^2/NDF:115870.8/4

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 26.473+/-0.011 χ^2/NDF:358003.5/3

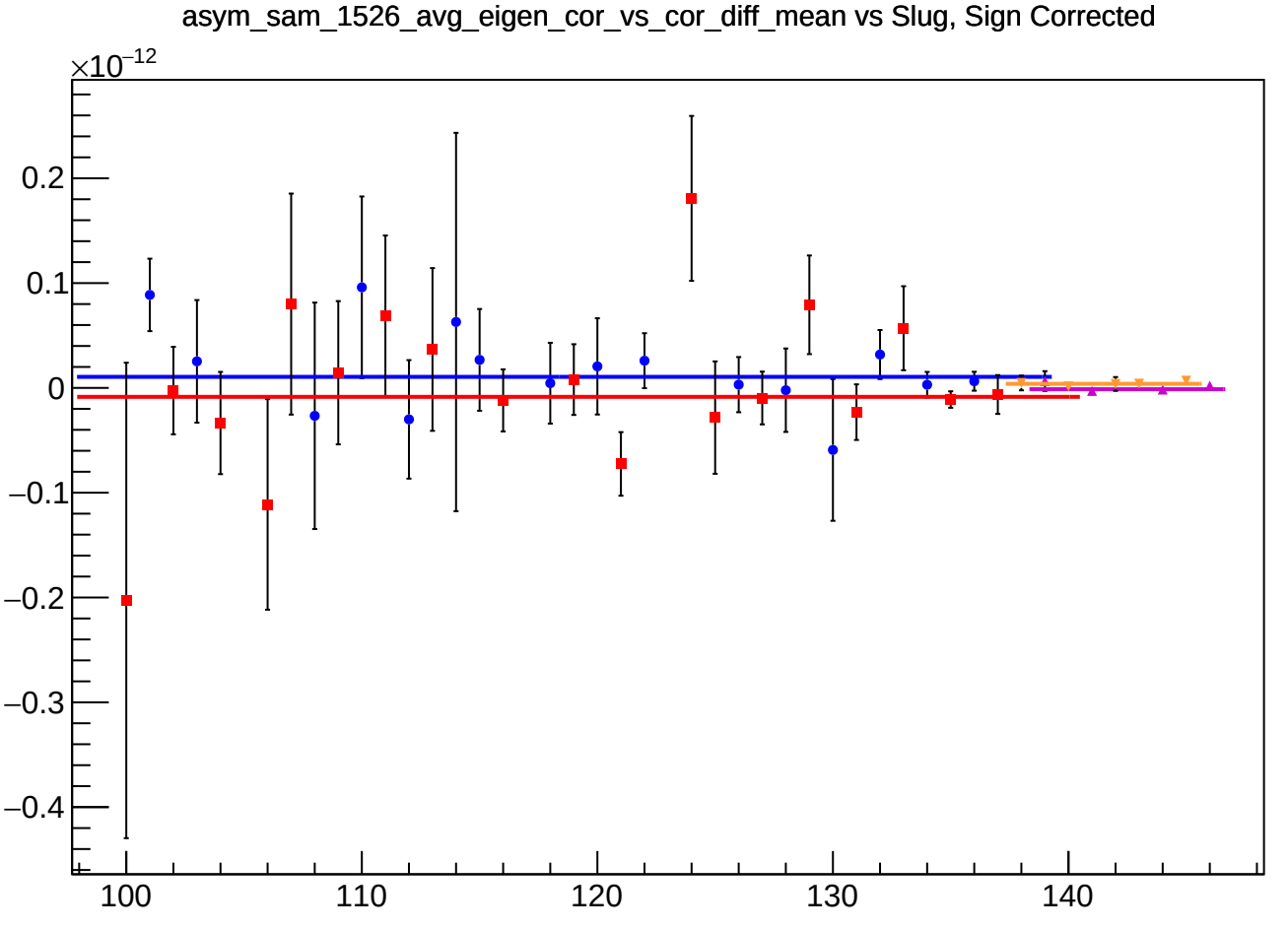
Left: 27.943+/-0.008 χ^2/NDF: 514988.1/8

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.334+/-0.007 χ^2/NDF:2858763.5/19

Out: 30.873+/-0.007 χ^2/NDF:2787396.4/23

All: 29.528+/-0.005 χ^2/NDF: 5711420.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/4

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

Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

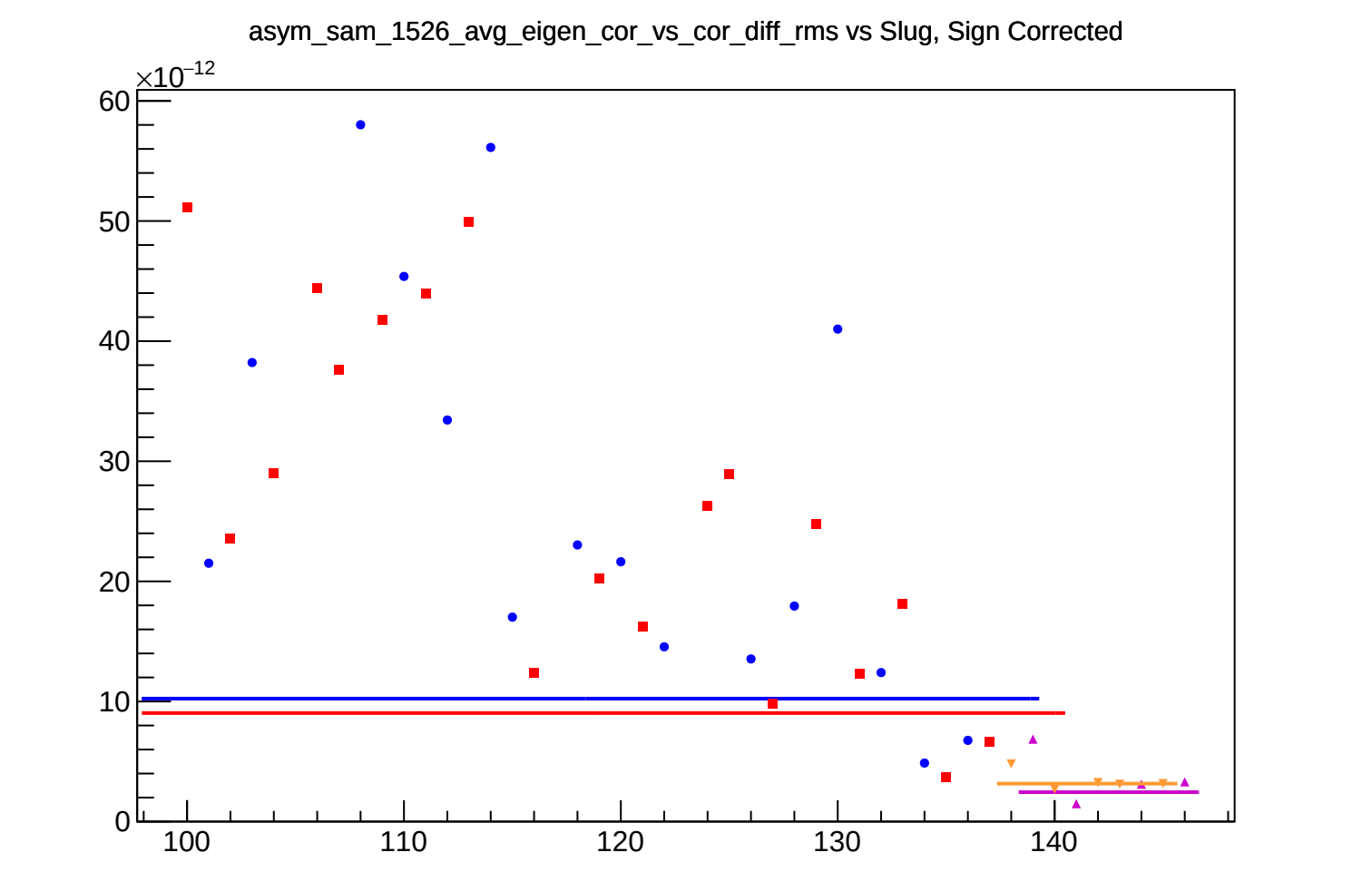
Left: 0.000+/-0.000 χ^2/NDF: 5.7/8

Right: 0.000+/-0.000 χ^2/NDF: 36.6/34

In: -0.000+/-0.000 χ^2/NDF:15.1/19

Out: 0.000+/-0.000 χ^2/NDF:26.3/23

All: 0.000+/-0.000 χ^2/NDF: 42.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:140535.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:812433.2/3

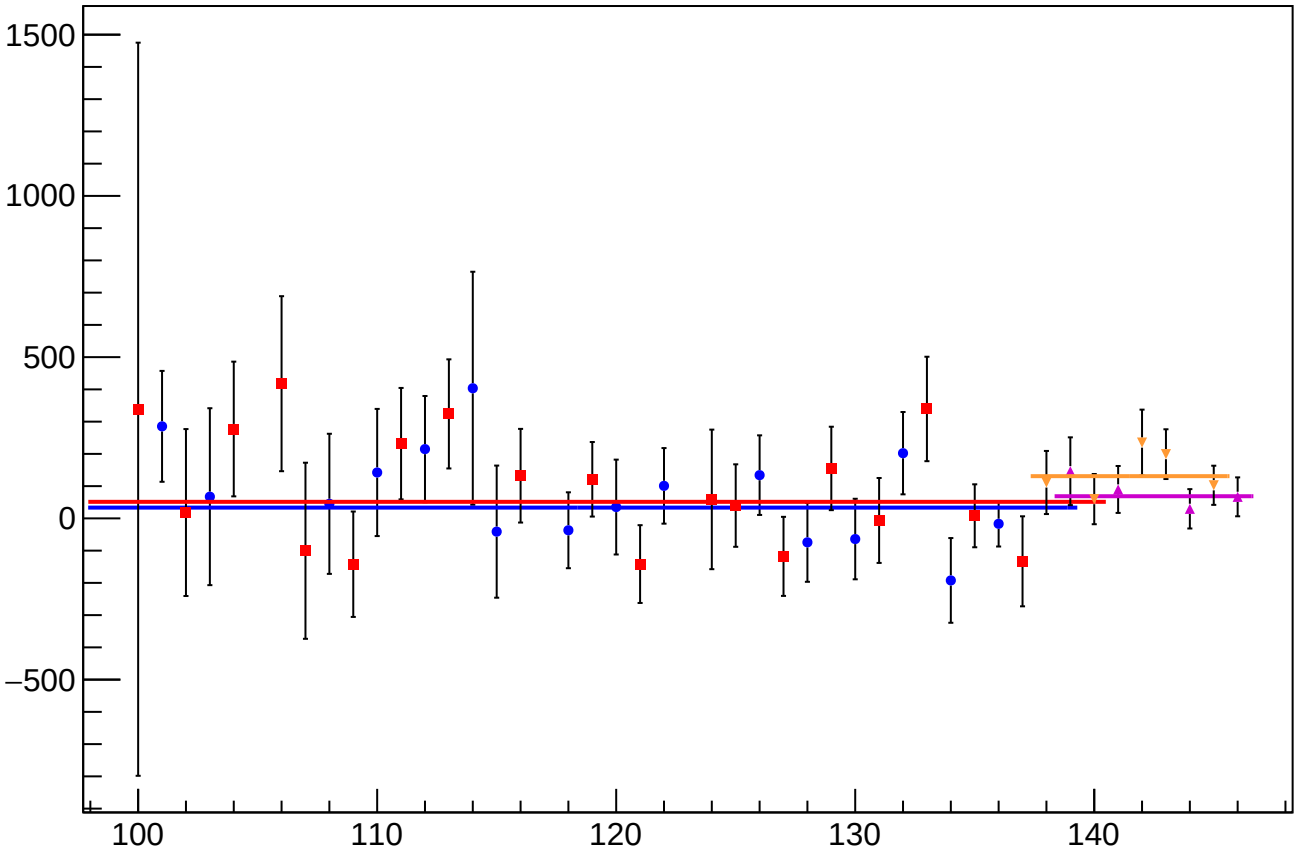
Left: 0.000+/-0.000 χ^2/NDF: 1073557.8/8

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7370157.7/19

Out: 0.000+/-0.000 χ^2/NDF:6395998.1/23

All: 0.000+/-0.000 χ^2/NDF: 13873837.9/43



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 130.924+/-35.257 χ^2/NDF:2.9/4

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 68.696+/-34.868 χ^2/NDF:1.0/3

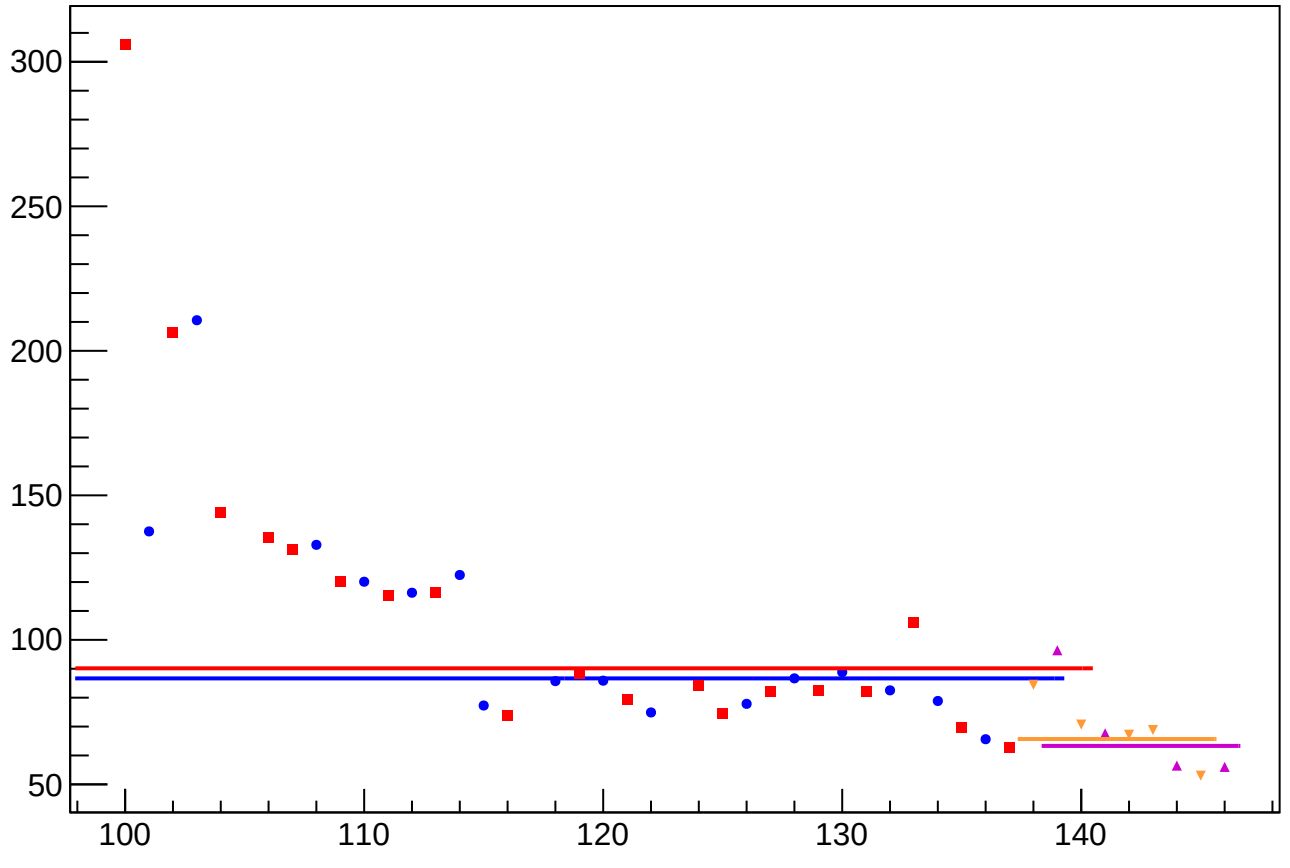
Left: 99.465+/-24.792 χ^2/NDF: 5.5/8

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 50.557+/-24.299 χ^2/NDF:14.4/19

Out: 90.668+/-24.786 χ^2/NDF:25.1/23

All: 70.215+/-17.351 χ^2/NDF: 40.8/43



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.698+/-0.025 χ^2/NDF:172603.9/4

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

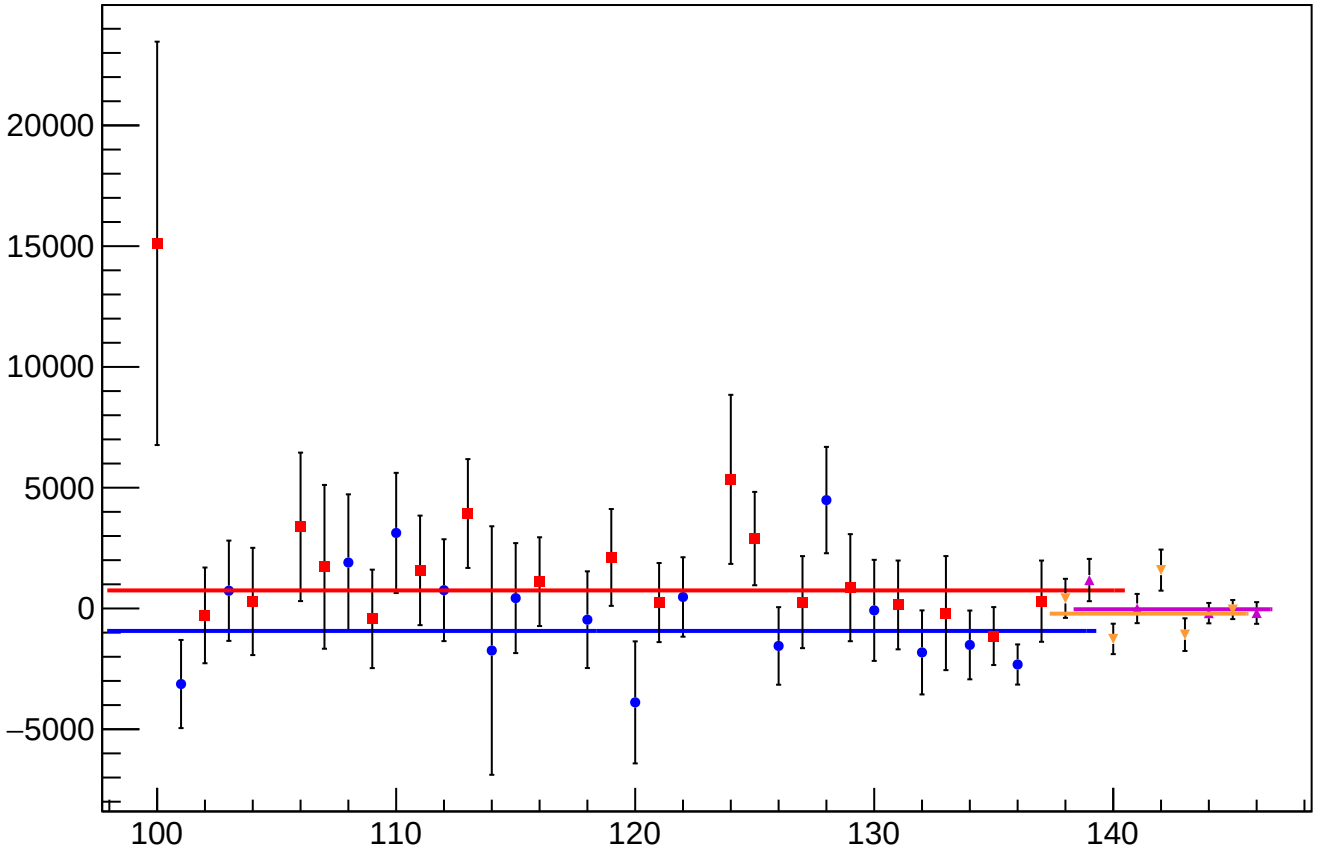
Left: 64.488+/-0.018 χ^2/NDF: 436750.4/8

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 75.321+/-0.017 χ^2/NDF:1760063.7/19

Out: 78.067+/-0.018 χ^2/NDF:1809253.9/23

All: 76.667+/-0.012 χ^2/NDF: 3581835.8/43



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -214.049+/-266.921 χ^2/NDF:9.7/4

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -33.063+/-261.811 χ^2/NDF:2.2/3

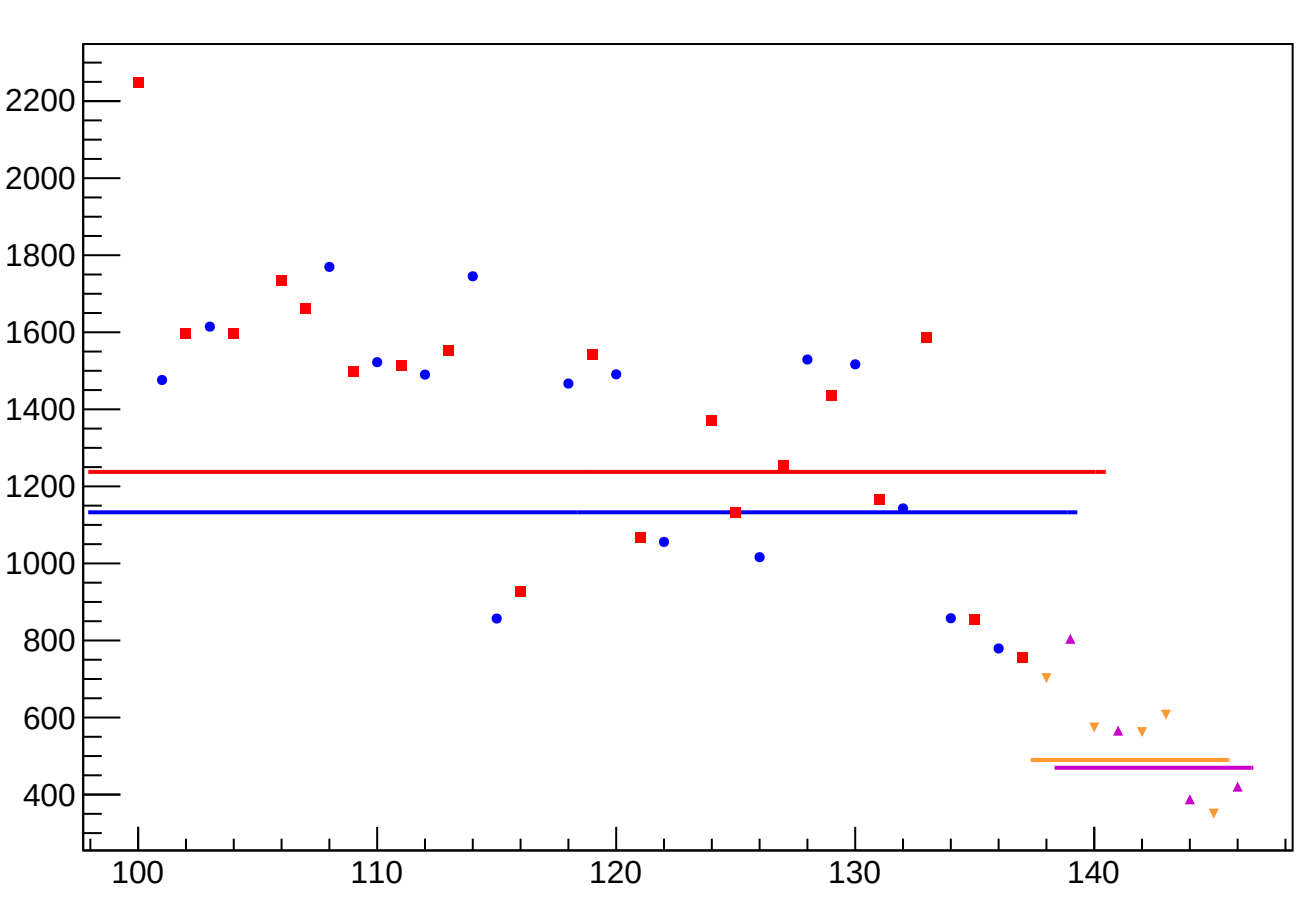
Left: -121.807+/-186.909 χ^2/NDF: 12.1/8

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -266.843+/-225.112 χ^2/NDF:23.8/19

Out: 21.963+/-231.849 χ^2/NDF:25.9/23

All: -126.697+/-161.507 χ^2/NDF: 50.4/43



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 489.761+/-0.189 χ^2/NDF:497878.9/4

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 469.577+/-0.185 χ^2/NDF:441605.3/3

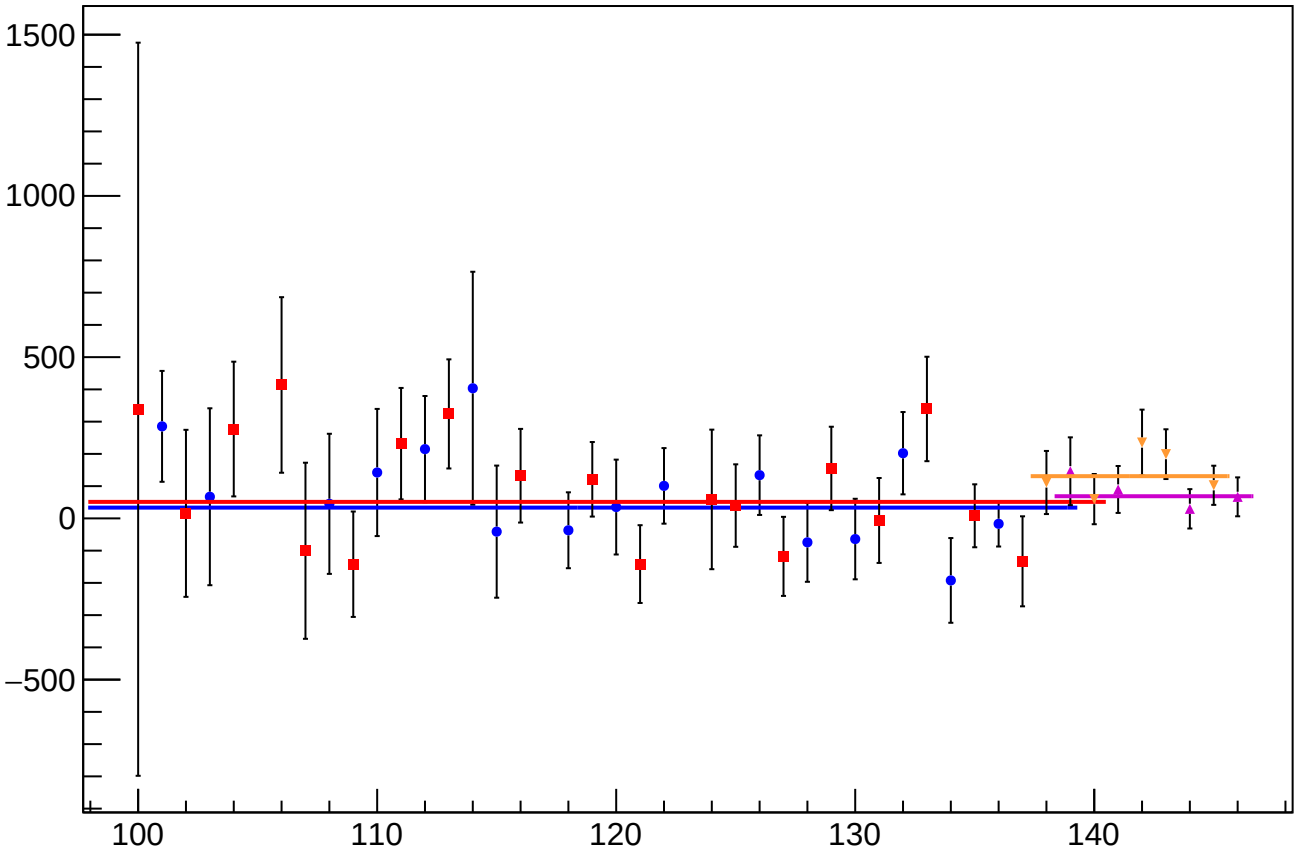
Left: 479.474+/-0.132 χ^2/NDF: 945312.5/8

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 642.447+/-0.159 χ^2/NDF:4910473.8/19

Out: 673.373+/-0.164 χ^2/NDF:5247710.0/23

All: 657.454+/-0.114 χ^2/NDF: 10176500.7/43



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 130.926+/-35.257 χ^2/NDF:2.9/4

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 68.696+/-34.868 χ^2/NDF:1.0/3

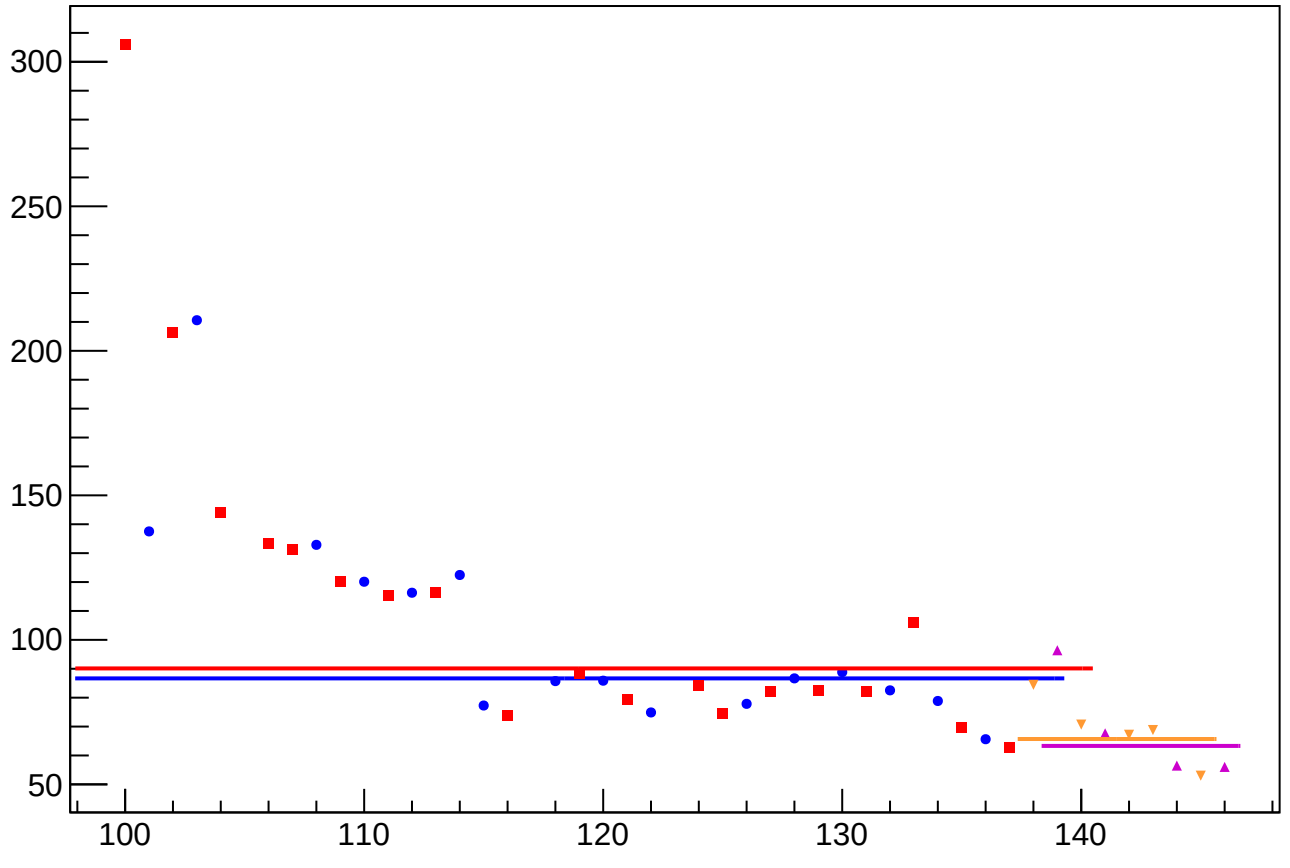
Left: 99.466+/-24.792 χ^2/NDF: 5.5/8

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 50.553+/-24.299 χ^2/NDF:14.4/19

Out: 90.597+/-24.787 χ^2/NDF:25.0/23

All: 70.177+/-17.352 χ^2/NDF: 40.7/43



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.698+/-0.025 χ^2/NDF:172603.9/4

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

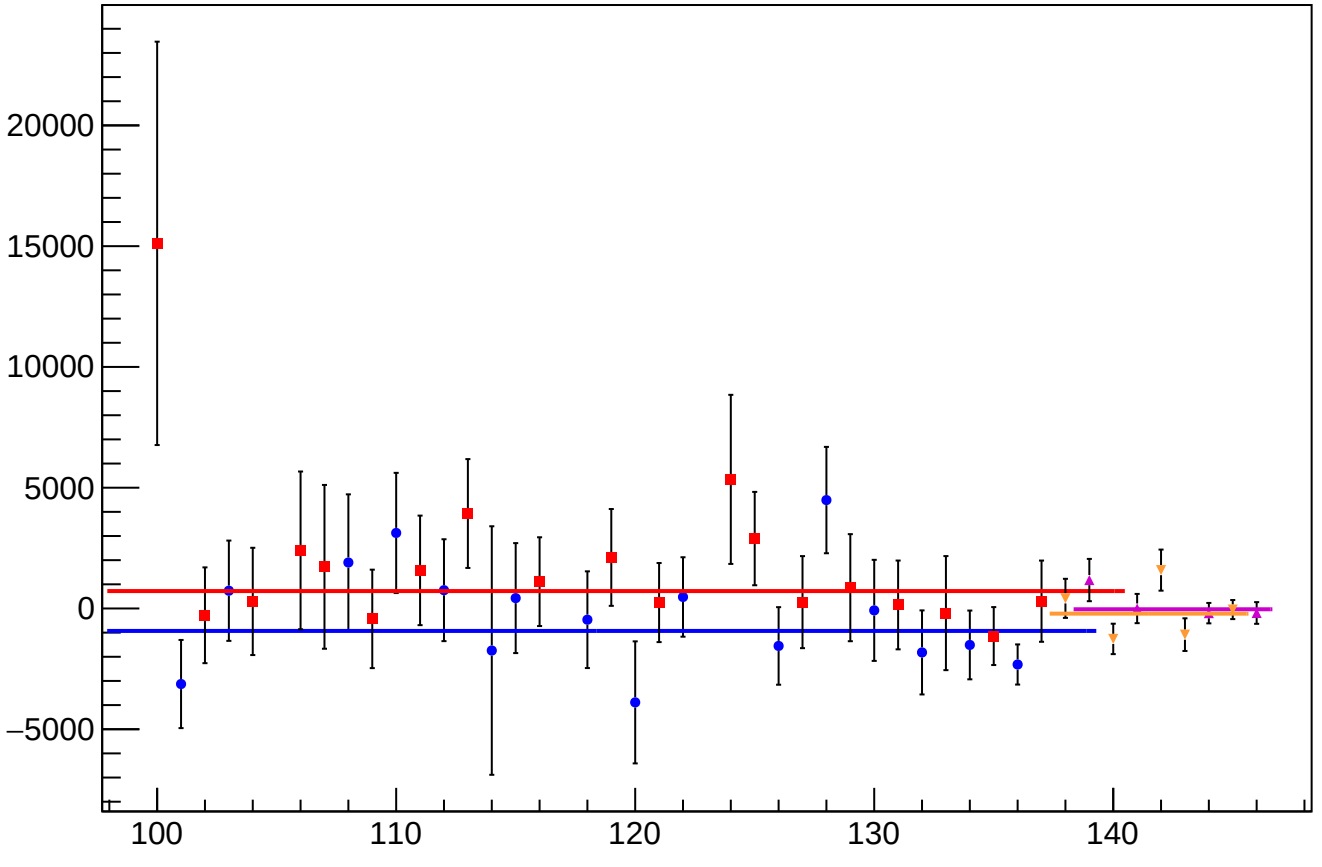
Left: 64.488+/-0.018 χ^2/NDF: 436750.4/8

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 75.321+/-0.017 χ^2/NDF:1760066.3/19

Out: 78.048+/-0.018 χ^2/NDF:1803056.1/23

All: 76.657+/-0.012 χ^2/NDF: 3575463.2/43



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -214.042+/-266.921 χ^2/NDF:9.7/4

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -33.059+/-261.811 χ^2/NDF:2.2/3

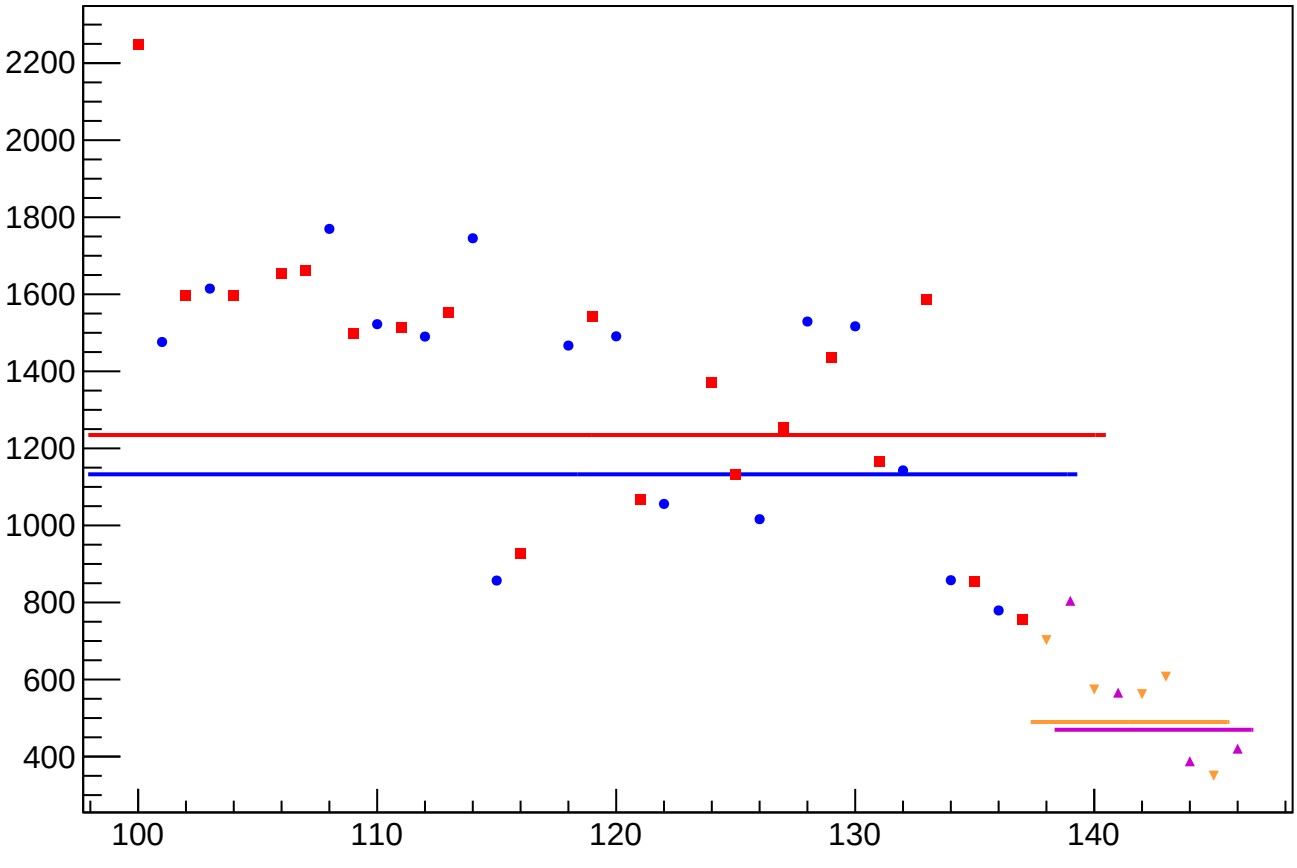
Left: -121.802+/-186.909 χ^2/NDF: 12.1/8

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -266.831+/-225.113 χ^2/NDF:23.8/19

Out: 14.966+/-231.926 χ^2/NDF:25.2/23

All: -130.132+/-161.534 χ^2/NDF: 49.7/43



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 489.760+/-0.189 χ^2/NDF:497879.0/4

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 469.577+/-0.185 χ^2/NDF:441606.2/3

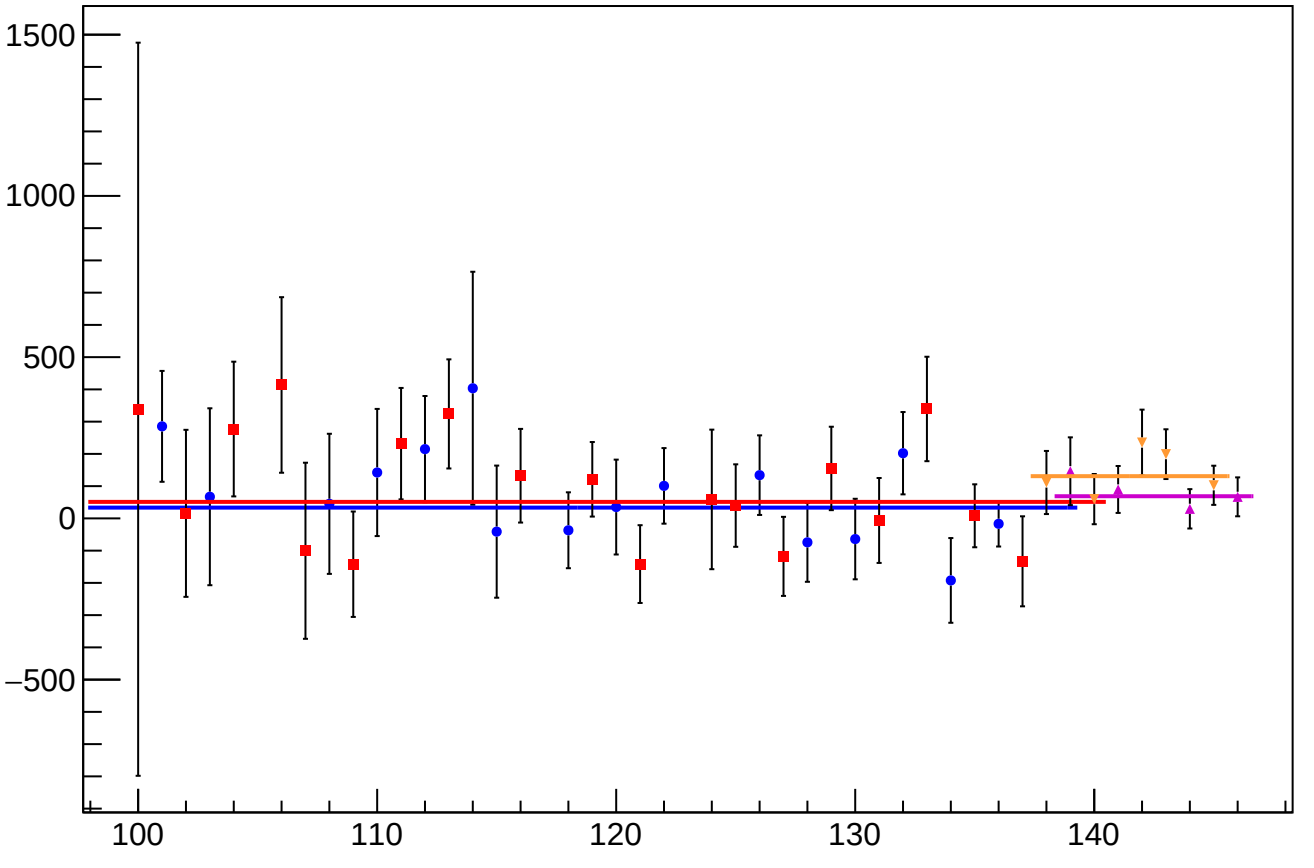
Left: 479.474+/-0.132 χ^2/NDF: 945313.2/8

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 642.446+/-0.159 χ^2/NDF:4910510.5/19

Out: 672.289+/-0.164 χ^2/NDF:5191164.8/23

All: 656.923+/-0.114 χ^2/NDF: 10118725.5/43



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 130.926+/-35.257 χ^2/NDF:2.9/4

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 68.696+/-34.868 χ^2/NDF:1.0/3

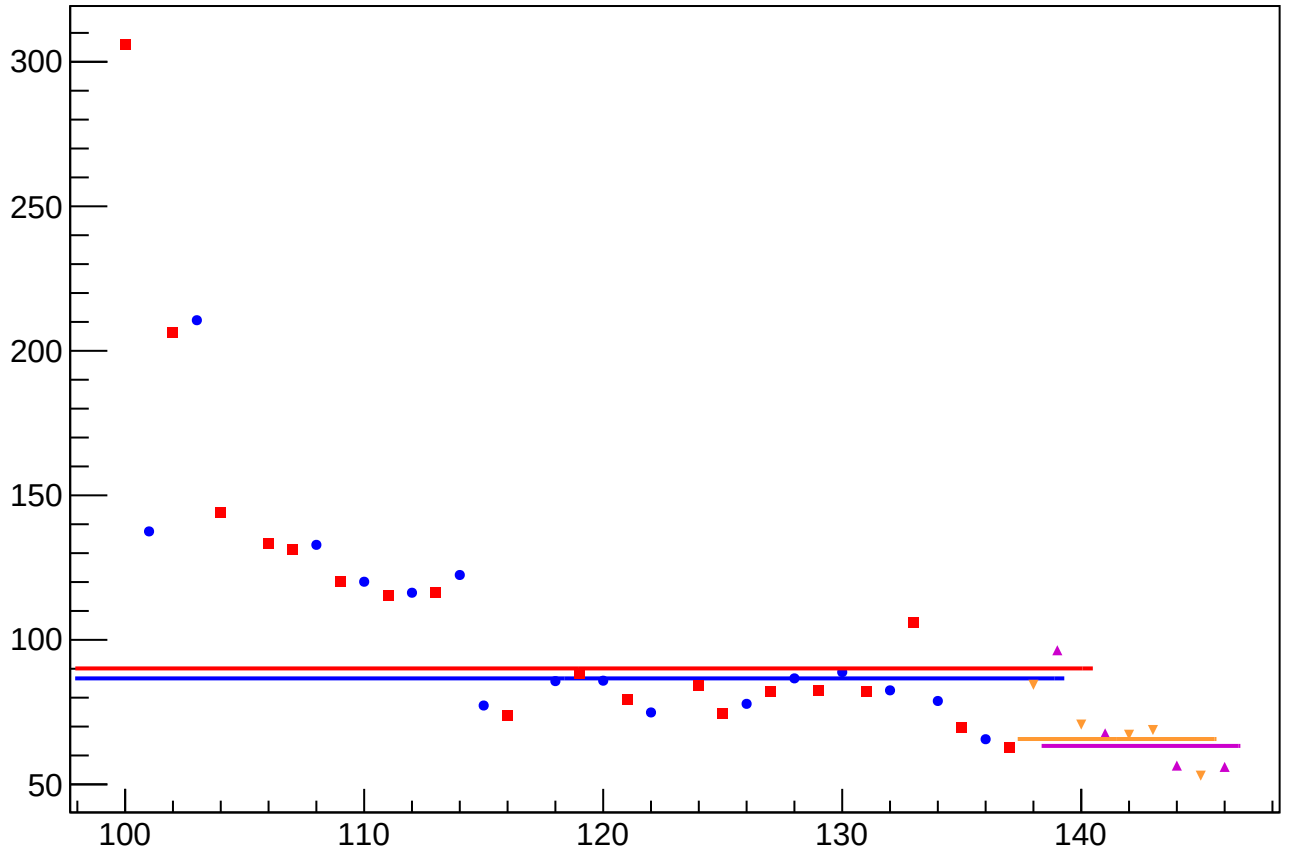
Left: 99.466+/-24.792 χ^2/NDF: 5.5/8

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 50.553+/-24.299 χ^2/NDF:14.4/19

Out: 90.597+/-24.787 χ^2/NDF:25.0/23

All: 70.177+/-17.352 χ^2/NDF: 40.7/43



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.698+/-0.025 χ^2/NDF:172603.9/4

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

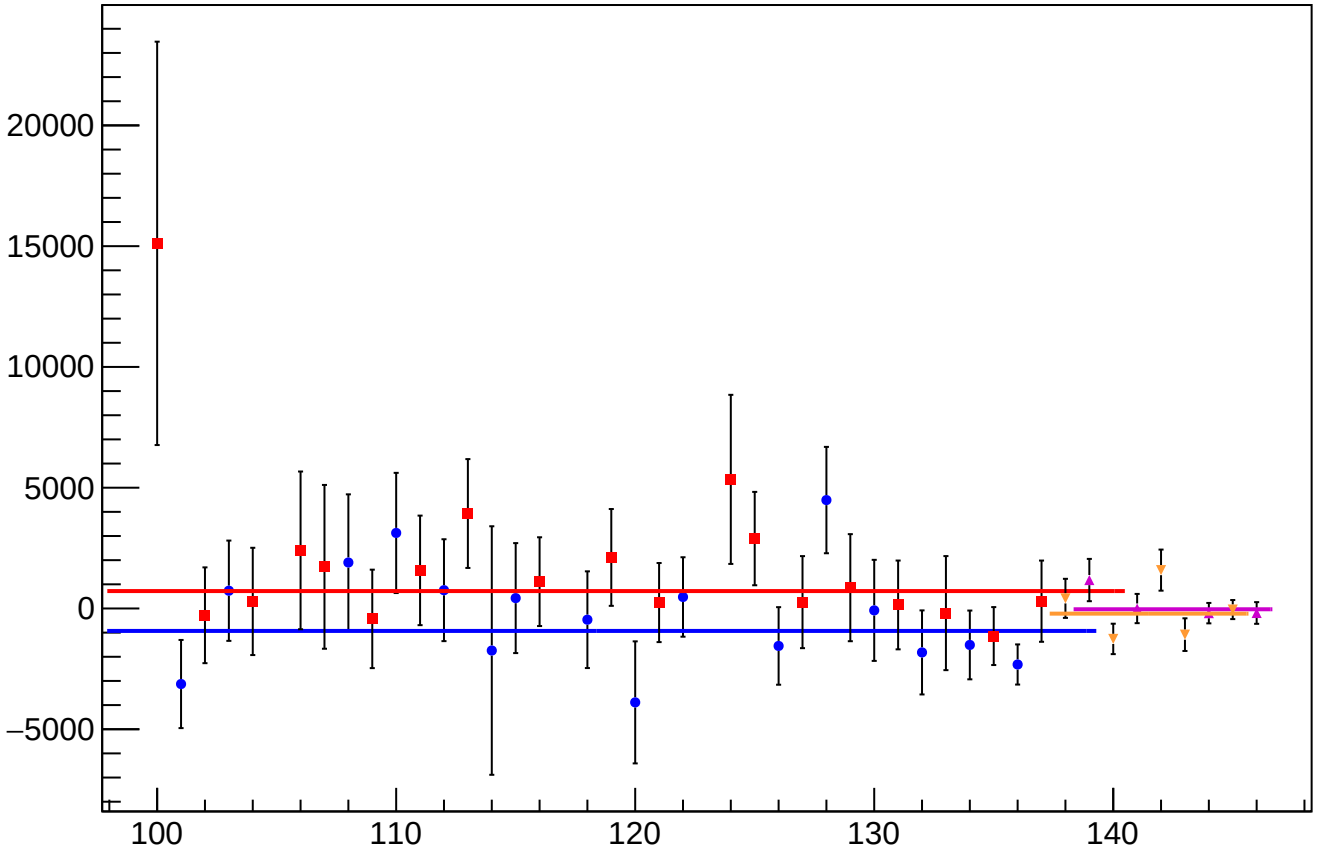
Left: 64.488+/-0.018 χ^2/NDF: 436750.4/8

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 75.321+/-0.017 χ^2/NDF:1760066.3/19

Out: 78.048+/-0.018 χ^2/NDF:1803056.1/23

All: 76.657+/-0.012 χ^2/NDF: 3575463.2/43



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -214.042+/-266.921 χ^2/NDF:9.7/4

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -33.059+/-261.811 χ^2/NDF:2.2/3

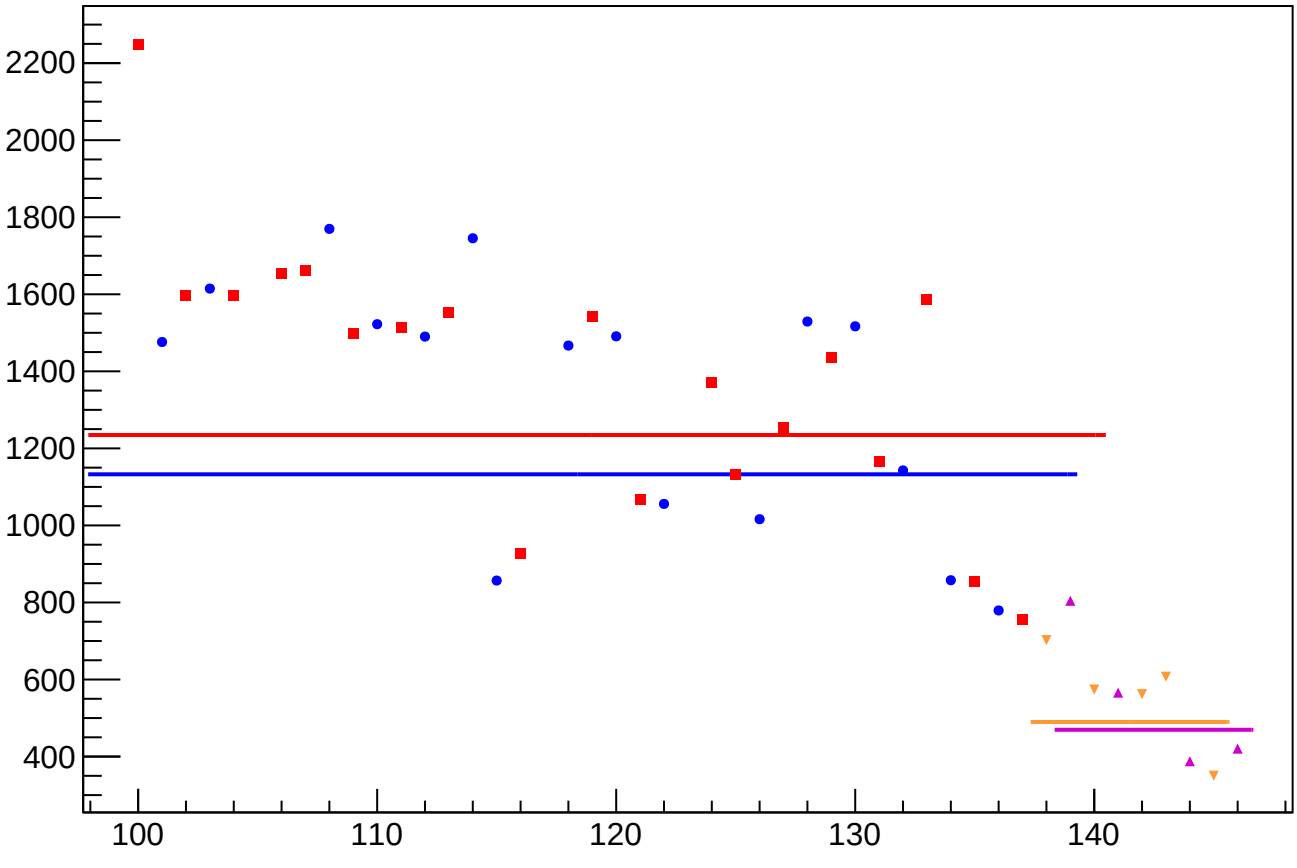
Left: -121.802+/-186.909 χ^2/NDF: 12.1/8

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -266.831+/-225.113 χ^2/NDF:23.8/19

Out: 14.966+/-231.926 χ^2/NDF:25.2/23

All: -130.132+/-161.534 χ^2/NDF: 49.7/43



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 489.760+/-0.189 χ^2/NDF:497879.0/4

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 469.577+/-0.185 χ^2/NDF:441606.2/3

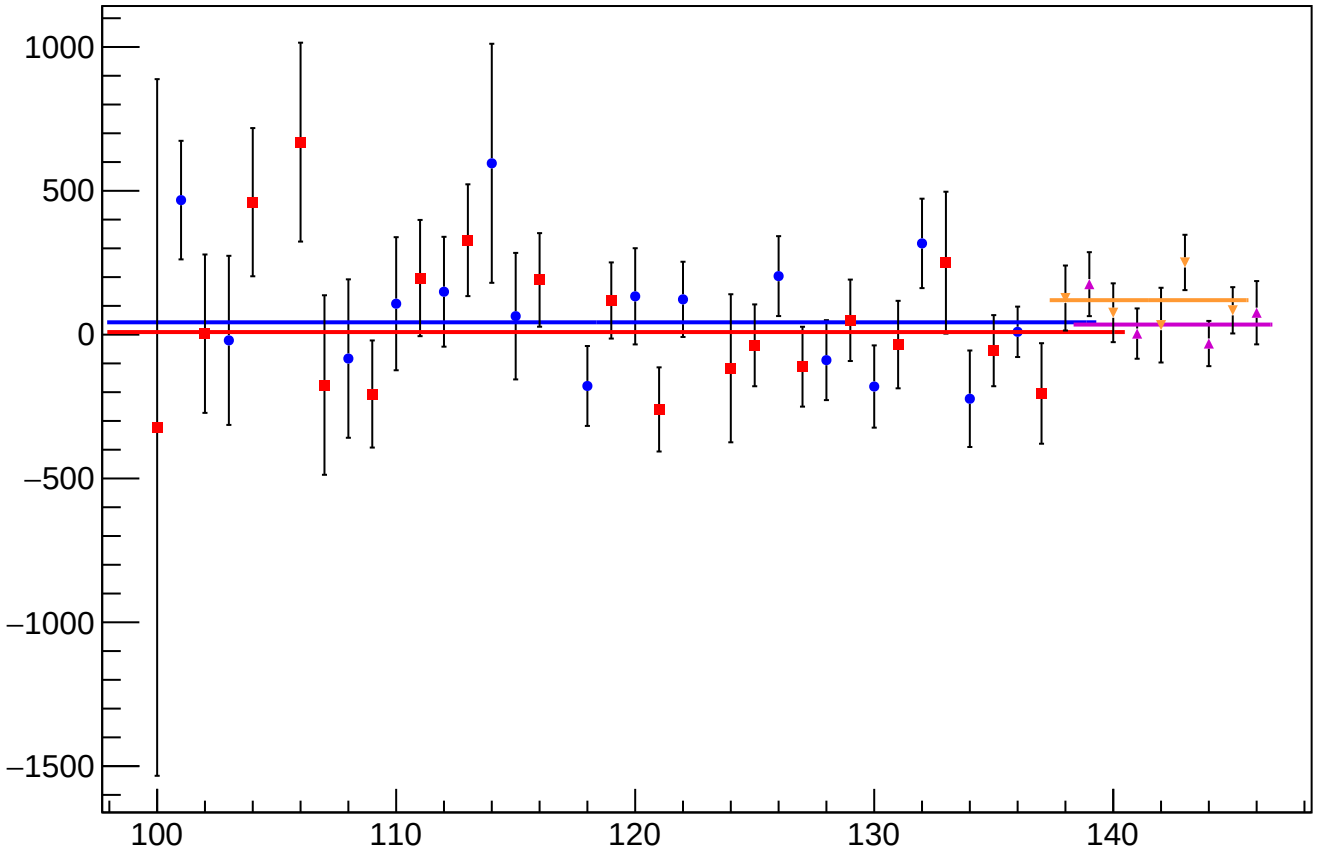
Left: 479.474+/-0.132 χ^2/NDF: 945313.2/8

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 642.446+/-0.159 χ^2/NDF:4910510.5/19

Out: 672.289+/-0.164 χ^2/NDF:5191164.8/23

All: 656.923+/-0.114 χ^2/NDF: 10118725.5/43



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 119.851+/-44.910 χ^2/NDF:2.7/4

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 35.057+/-46.822 χ^2/NDF:2.6/3

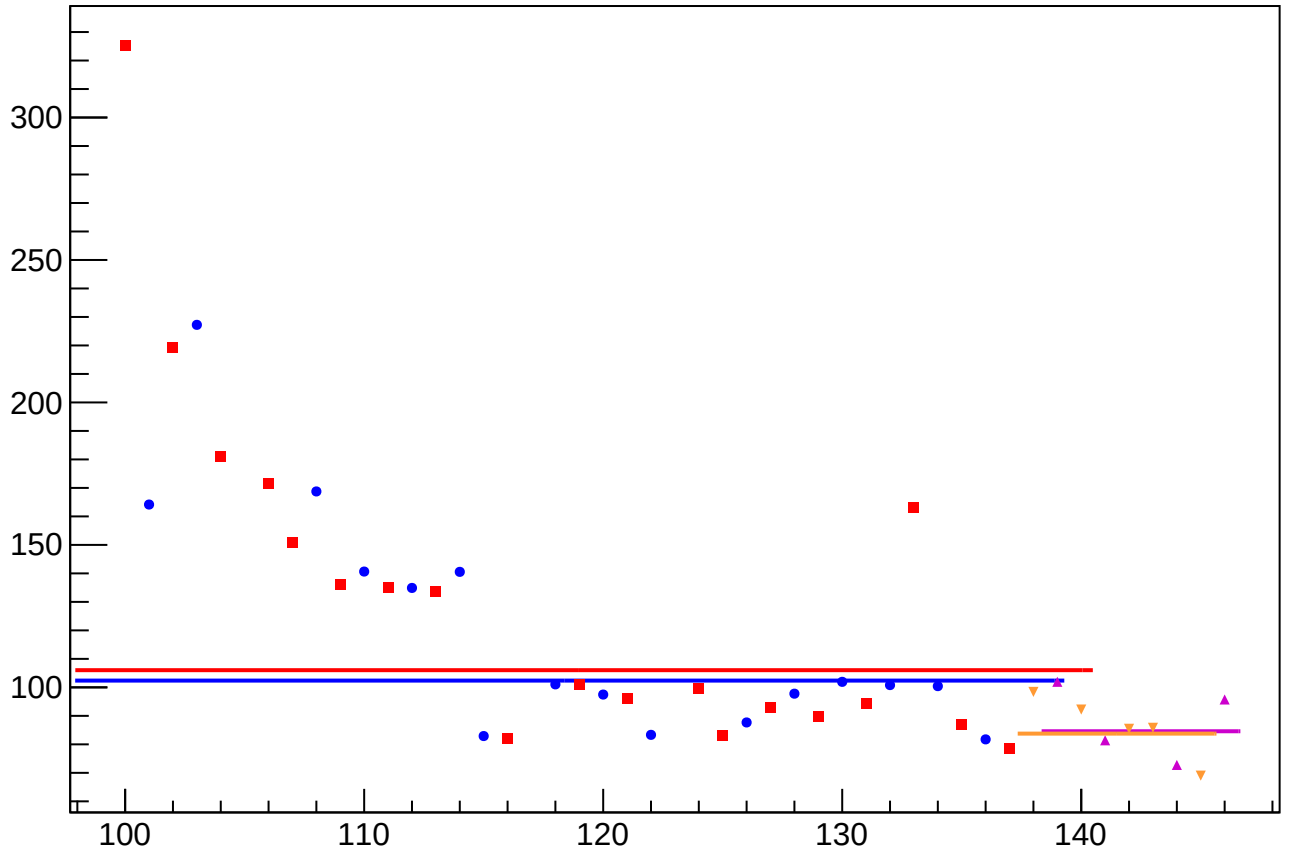
Left: 79.221+/-32.411 χ^2/NDF: 7.0/8

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 39.605+/-30.390 χ^2/NDF:22.9/19

Out: 59.465+/-30.303 χ^2/NDF:27.3/23

All: 49.563+/-21.458 χ^2/NDF: 50.5/43



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 83.766+/-0.032 χ^2/NDF:115636.7/4

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 84.595+/-0.033 χ^2/NDF:117138.8/3

Left: 84.163+/-0.023 χ^2/NDF: 233102.1/8

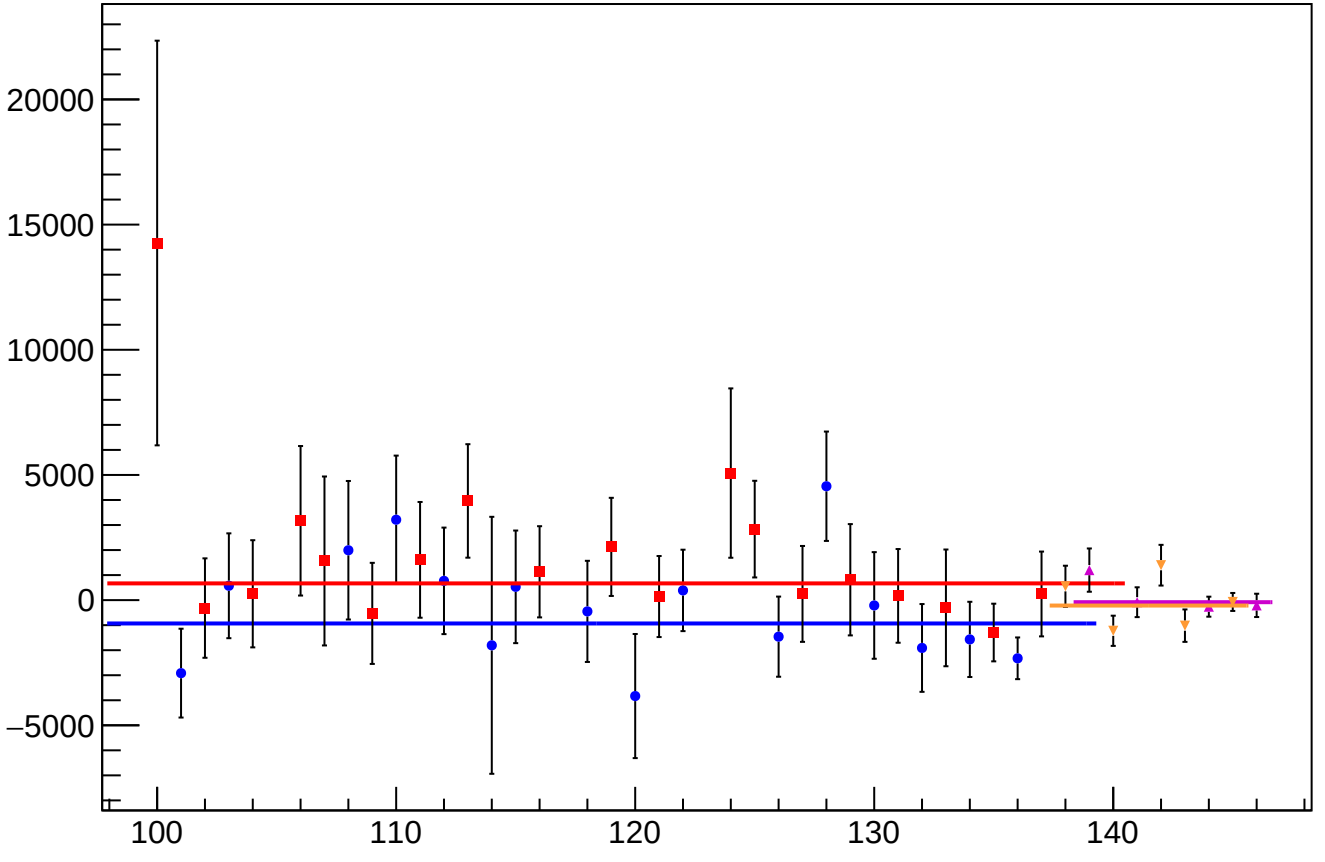
Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 94.887+/-0.021 χ^2/NDF:1266423.1/19

Out: 95.894+/-0.021 χ^2/NDF:1574736.2/23

All: 95.392+/-0.015 χ^2/NDF: 2842261.5/43

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -216.679+/-250.956 χ^2/NDF:9.3/4

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -82.261+/-257.930 χ^2/NDF:2.5/3

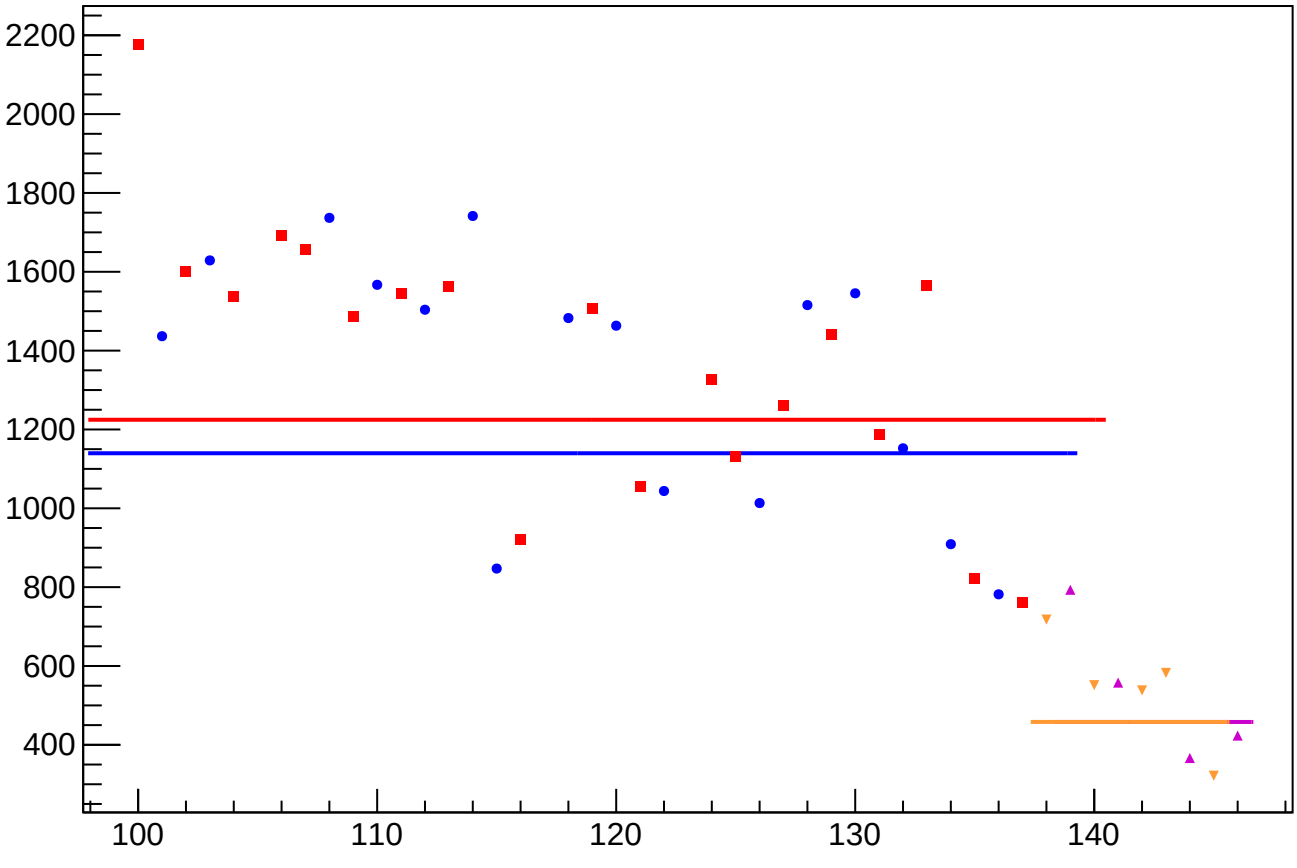
Left: -151.312+/-179.868 χ^2/NDF: 11.9/8

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -297.688+/-222.866 χ^2/NDF:23.7/19

Out: -15.815+/-220.654 χ^2/NDF:25.6/23

All: -155.346+/-156.802 χ^2/NDF: 50.1/43



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 458.080+/-0.177 χ^2/NDF:628679.0/4

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 457.976+/-0.182 χ^2/NDF:472868.7/3

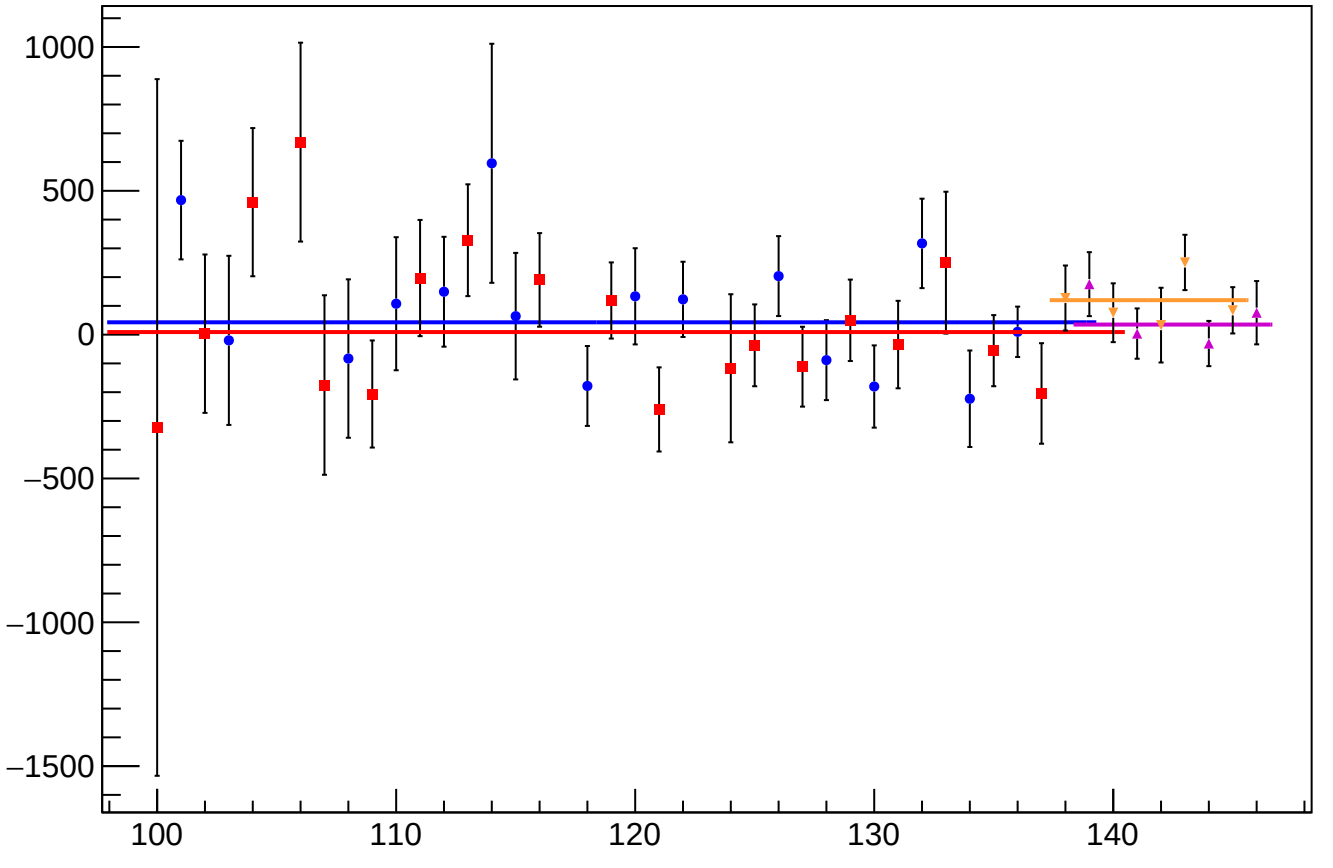
Left: 458.029+/-0.127 χ^2/NDF: 1101547.8/8

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 630.720+/-0.158 χ^2/NDF:5106329.4/19

Out: 632.022+/-0.156 χ^2/NDF:5785410.0/23

All: 631.377+/-0.111 χ^2/NDF: 10891773.9/43



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 119.848+/-44.910 χ^2/NDF:2.7/4

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 35.058+/-46.822 χ^2/NDF:2.6/3

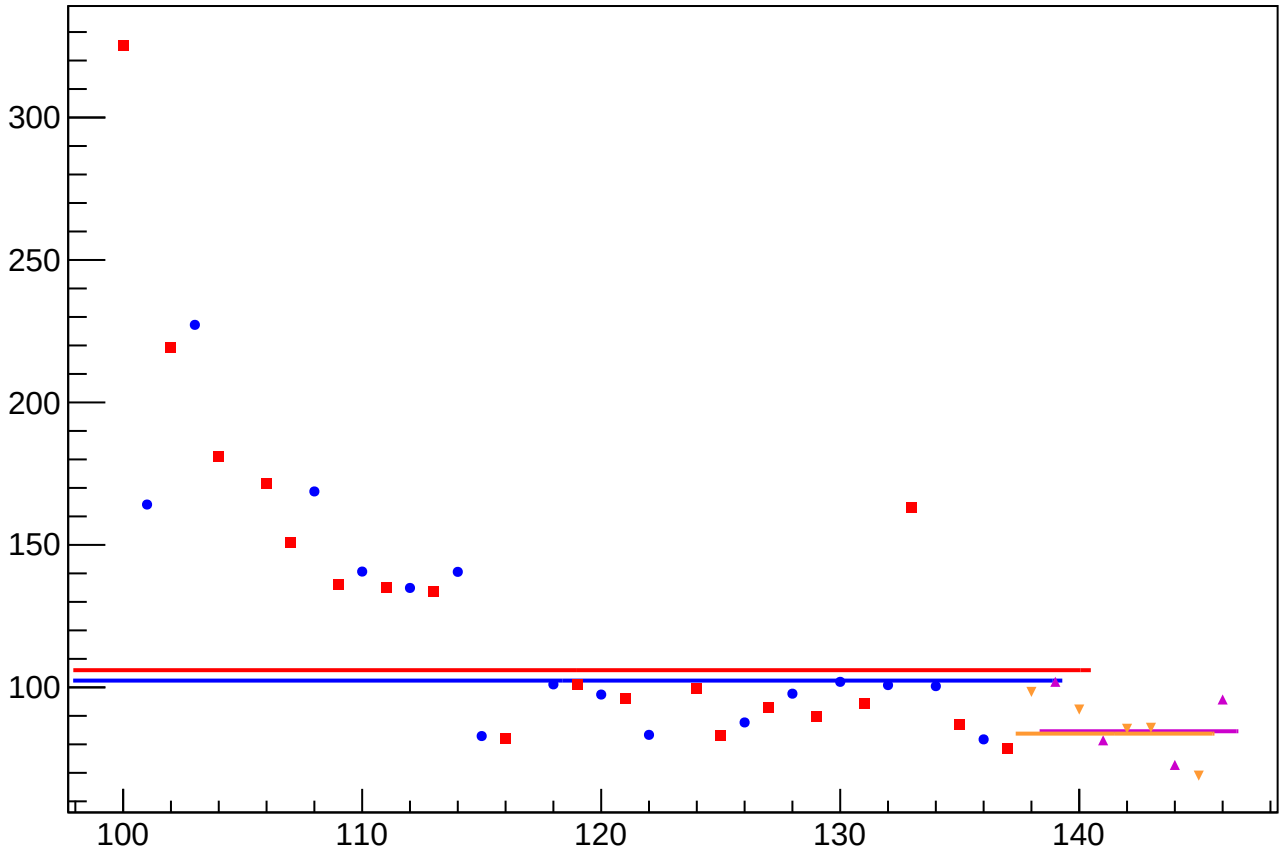
Left: 79.220+/-32.411 χ^2/NDF: 7.0/8

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 39.605+/-30.390 χ^2/NDF:22.9/19

Out: 59.462+/-30.303 χ^2/NDF:27.3/23

All: 49.562+/-21.458 χ^2/NDF: 50.5/43



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 83.766+/-0.032 χ^2/NDF:115627.1/4

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 84.595+/-0.033 χ^2/NDF:117136.2/3

Left: 84.163+/-0.023 χ^2/NDF: 233089.9/8

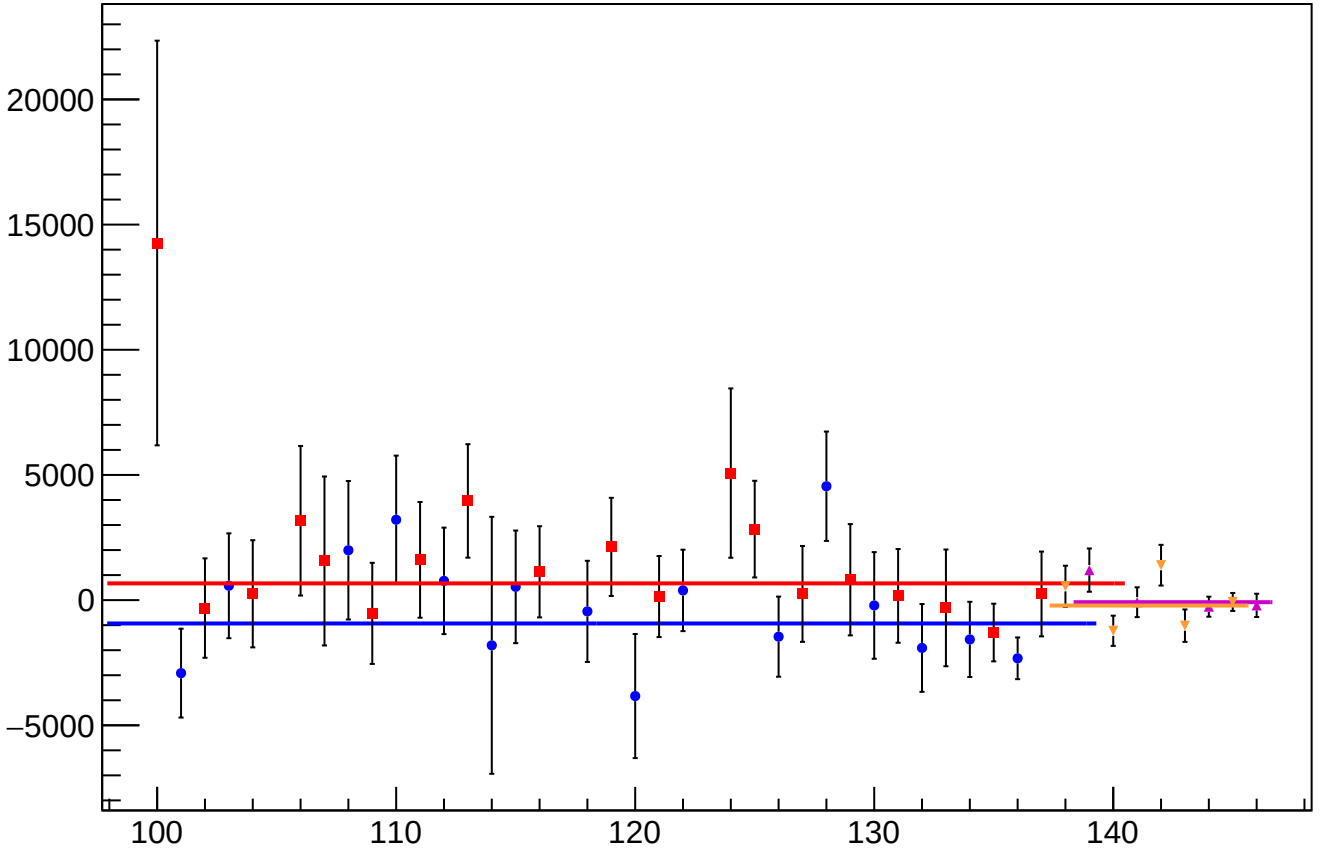
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 94.887+/-0.021 χ^2/NDF:1266403.4/19

Out: 95.894+/-0.021 χ^2/NDF:1574714.1/23

All: 95.392+/-0.015 χ^2/NDF: 2842220.0/43

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: -216.682+/-250.955 χ^2/NDF:9.3/4

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -82.261+/-257.930 χ^2/NDF:2.5/3

Left: -151.313+/-179.867 χ^2/NDF: 11.9/8

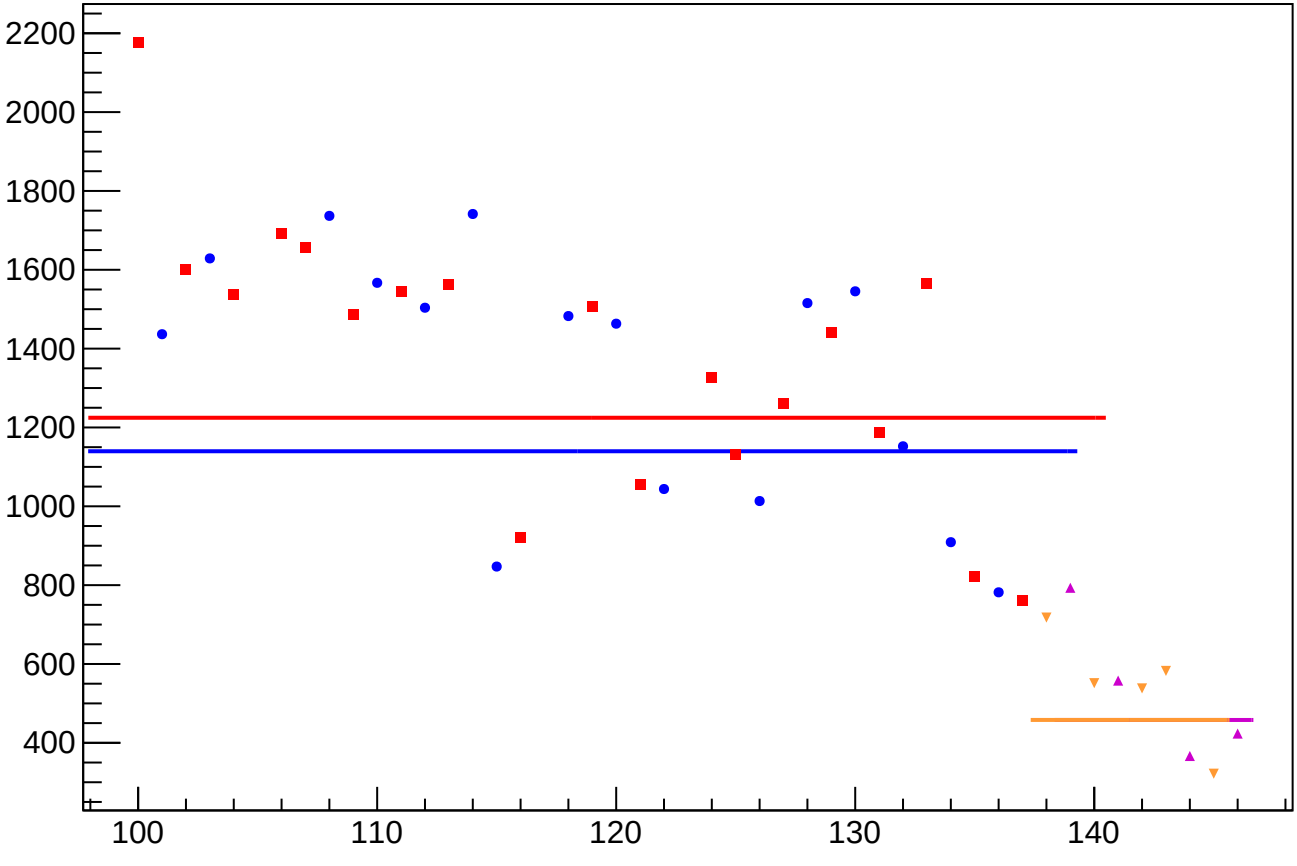
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -297.687+/-222.866 χ^2/NDF:23.7/19

Out: -15.817+/-220.653 χ^2/NDF:25.6/23

All: -155.346+/-156.802 χ^2/NDF: 50.1/43

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: 458.078+/-0.177 χ^2/NDF:628686.8/4

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 457.975+/-0.182 χ^2/NDF:472869.9/3

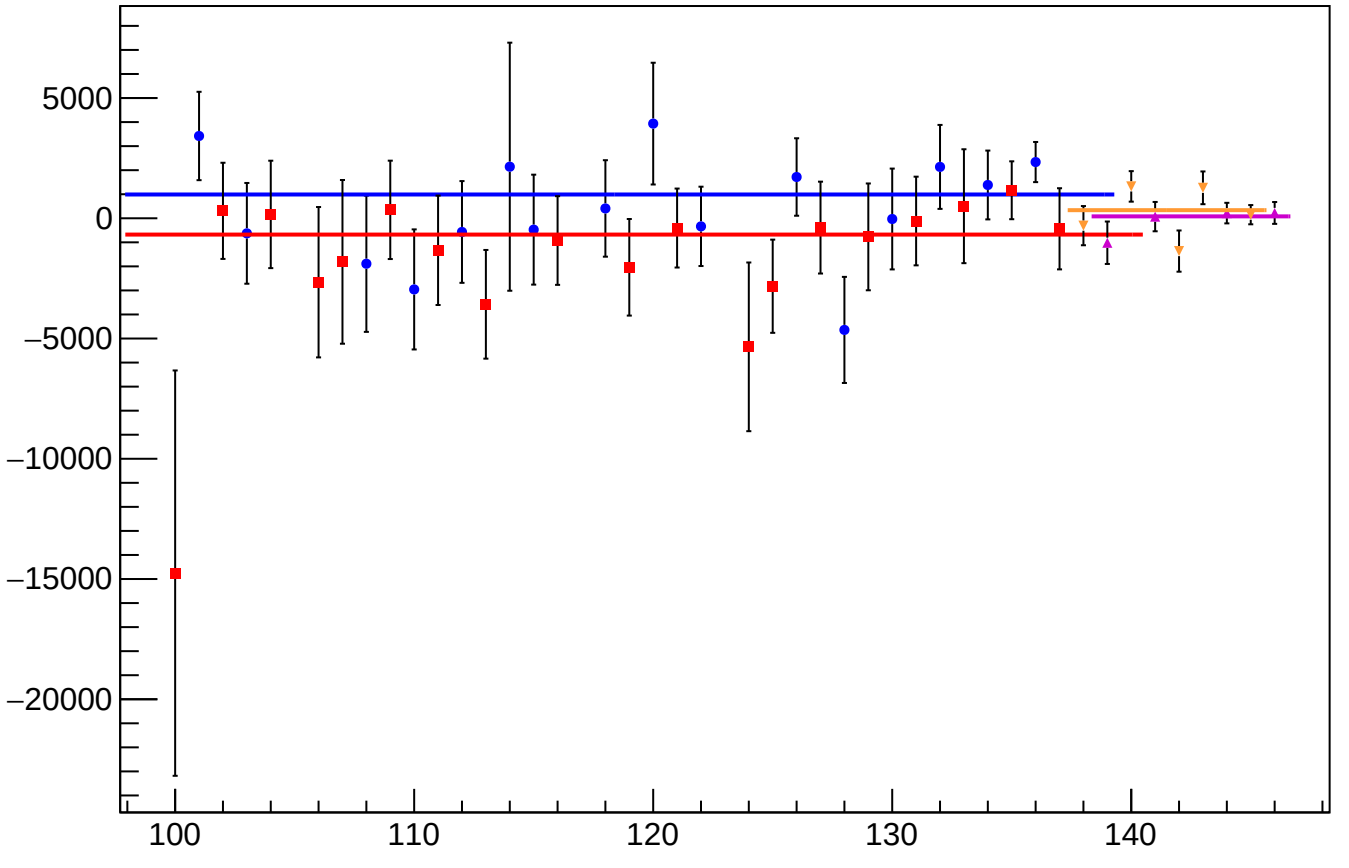
Left: 458.028+/-0.127 χ^2/NDF: 1101556.9/8

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 630.719+/-0.158 χ^2/NDF:5106324.6/19

Out: 632.020+/-0.156 χ^2/NDF:5785422.8/23

All: 631.376+/-0.111 χ^2/NDF: 10891781.9/43



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 337.141+/-269.545 χ^2/NDF:9.1/4

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 79.425+/-264.471 χ^2/NDF:1.7/3

Left: 205.834+/-188.778 χ^2/NDF: 11.3/8

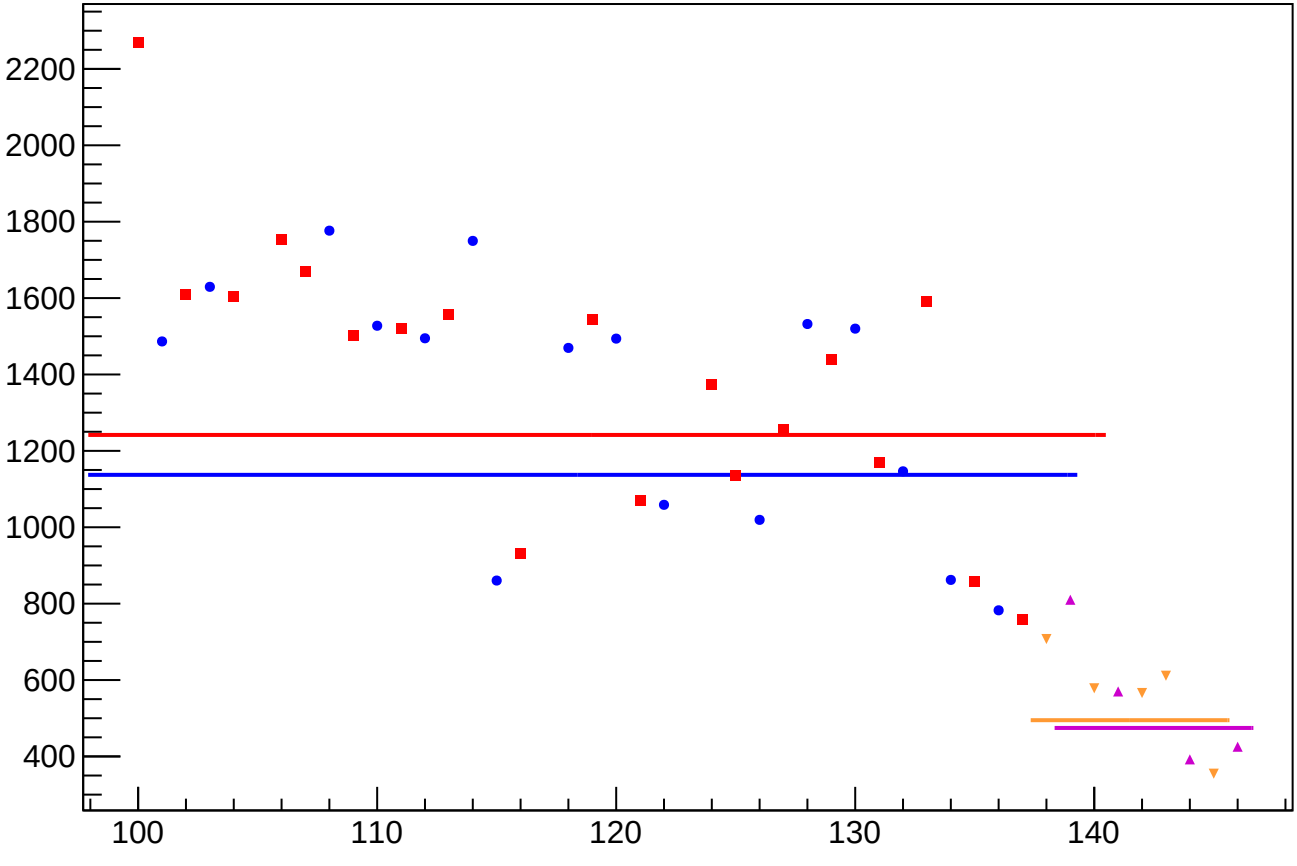
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 318.800+/-227.033 χ^2/NDF:23.9/19

Out: 85.706+/-233.779 χ^2/NDF:24.5/23

All: 205.665+/-162.869 χ^2/NDF: 48.9/43

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 494.880+/-0.191 χ^2/NDF:488286.3/4

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 474.578+/-0.187 χ^2/NDF:436194.7/3

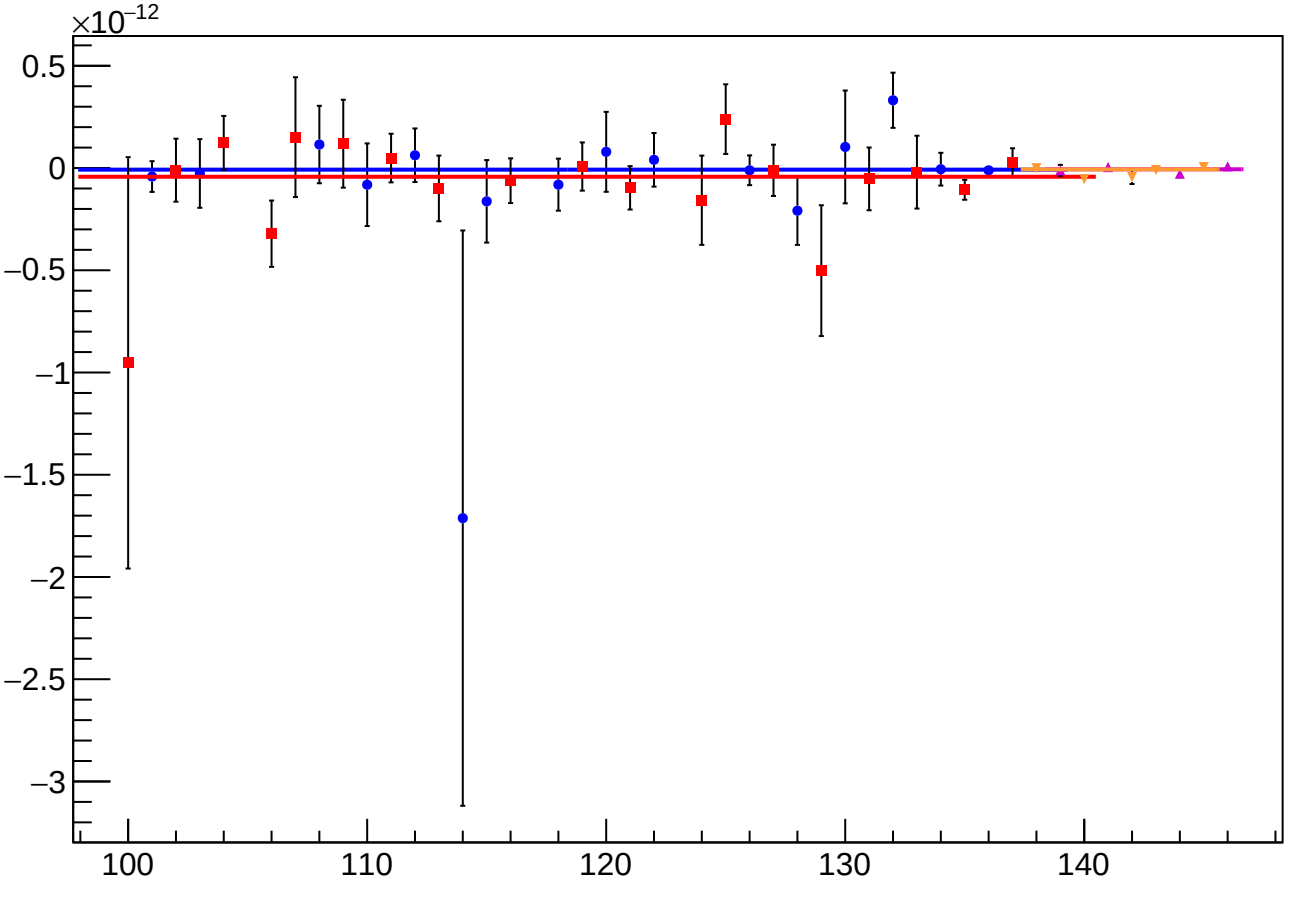
Left: 484.536+/-0.133 χ^2/NDF: 930261.8/8

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 648.906+/-0.161 χ^2/NDF:4862949.2/19

Out: 679.926+/-0.165 χ^2/NDF:5191940.3/23

All: 663.962+/-0.115 χ^2/NDF: 10073012.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/3

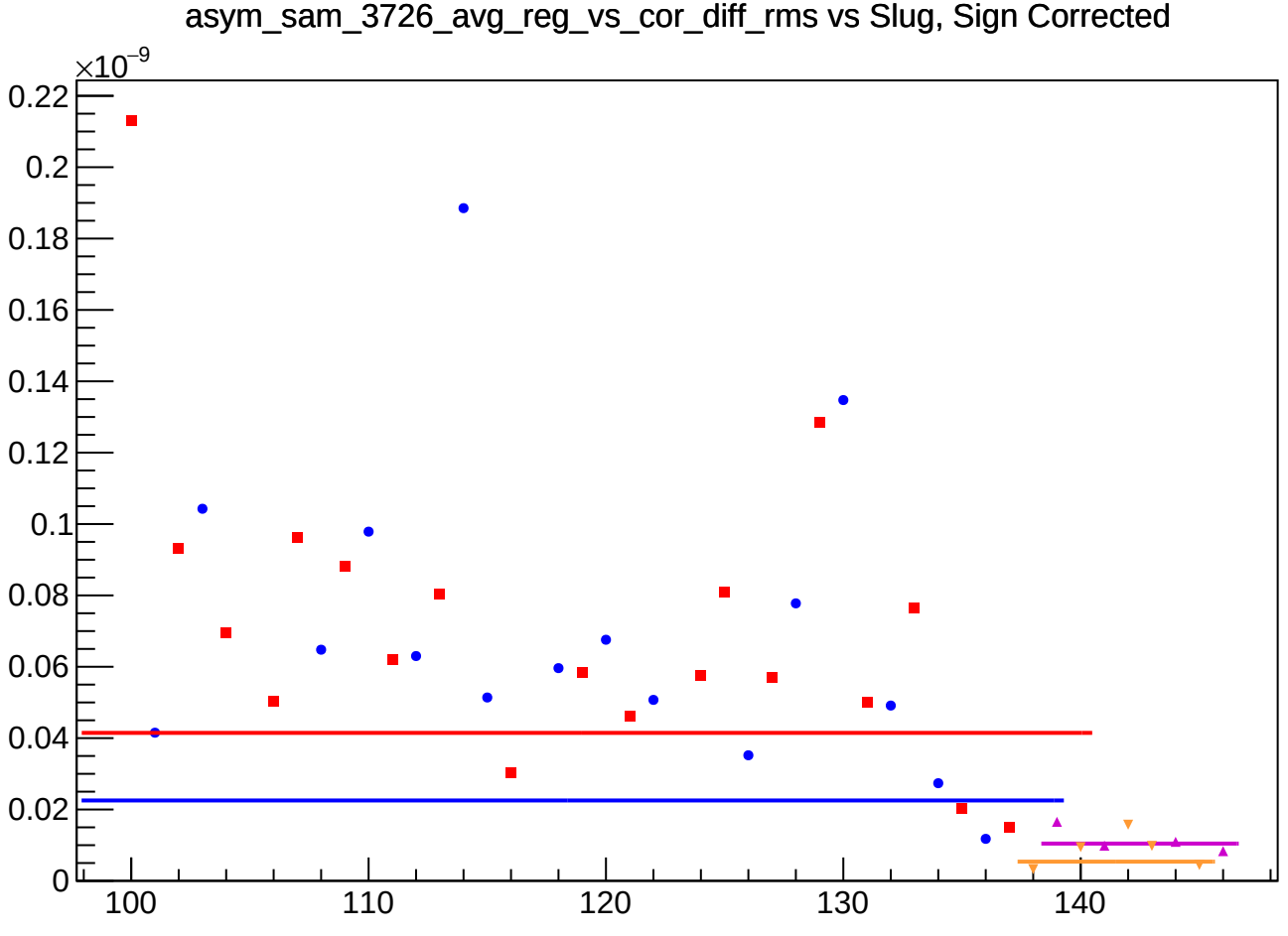
Left: -0.000+/-0.000 χ^2/NDF: 12.9/8

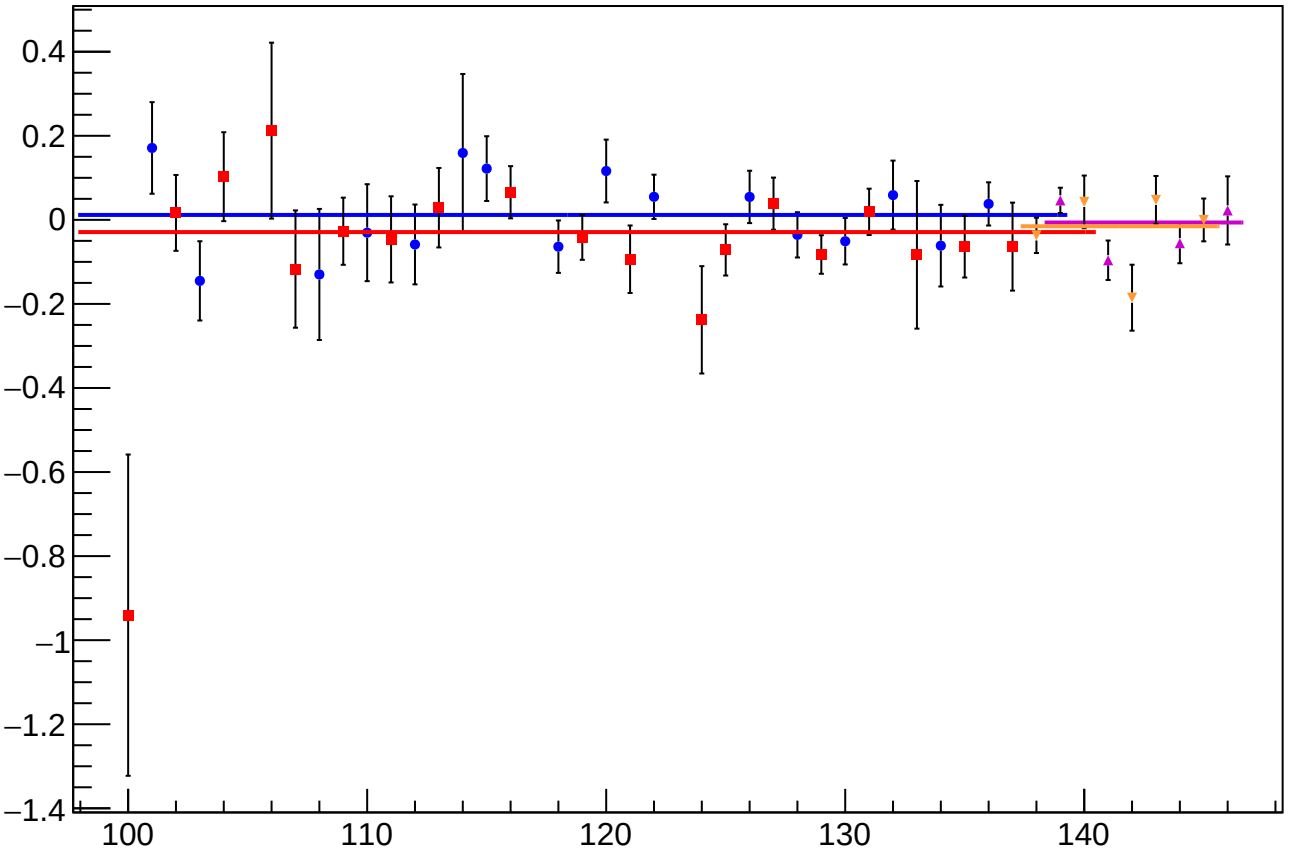
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:14.6/19

Out: -0.000+/-0.000 χ^2/NDF:27.2/23

All: -0.000+/-0.000 χ^2/NDF: 41.9/43


asym_sam_3726_avg_reg_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
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:499629.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:144790.2/3
Left: 0.000+/-0.000 χ²/NDF: 1070472.6/8
Right: 0.000+/-0.000 χ²/NDF: 5394567.7/34
In: 0.000+/-0.000 χ²/NDF:3752483.0/19
Out: 0.000+/-0.000 χ²/NDF:5741108.8/23
All: 0.000+/-0.000 χ²/NDF: 10241666.2/43



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.015+/-0.024 χ^2/NDF:7.1/4

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.022 χ^2/NDF:7.9/3

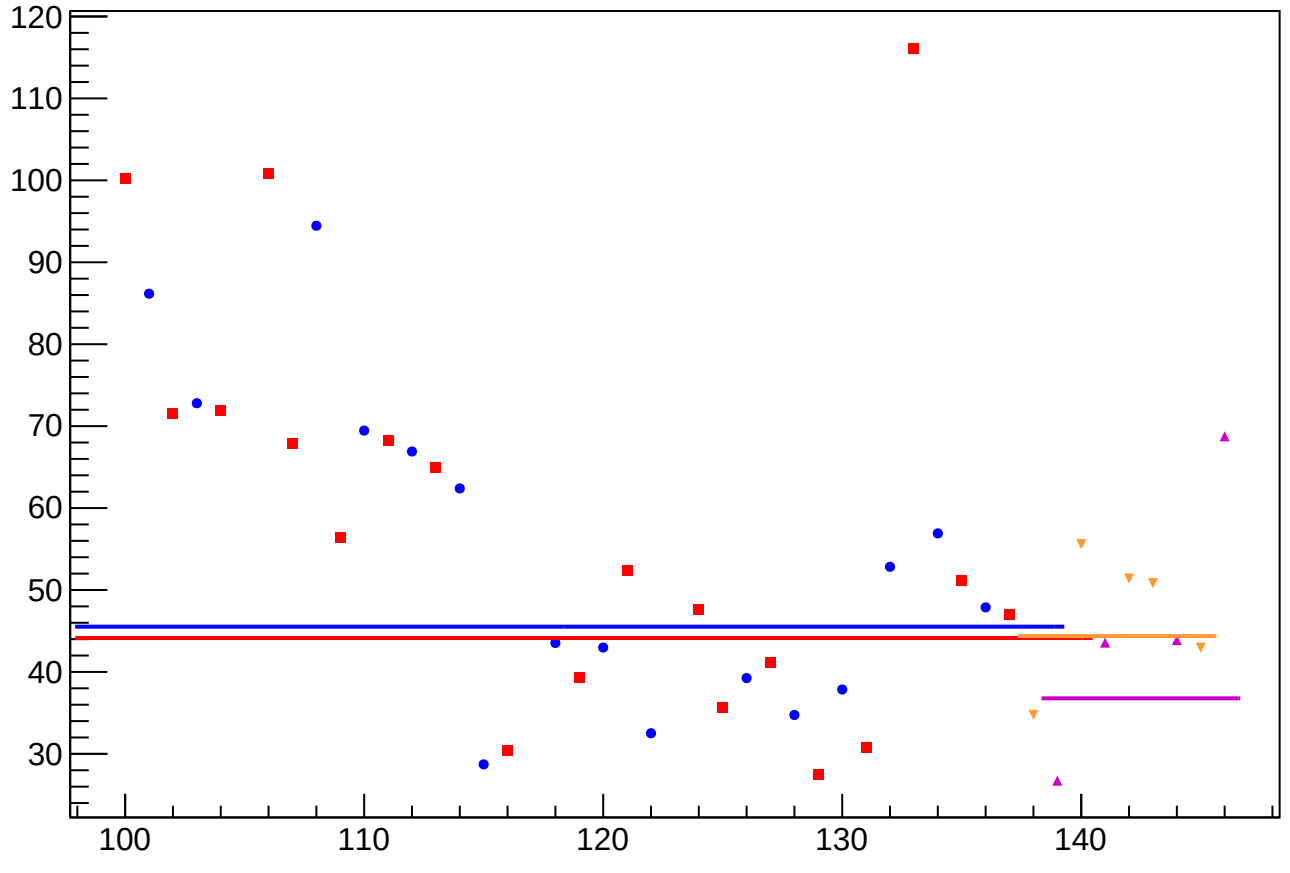
Left: -0.010+/-0.016 χ^2/NDF: 15.1/8

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.014 χ^2/NDF:25.2/19

Out: -0.024+/-0.014 χ^2/NDF:26.9/23

All: -0.010+/-0.010 χ^2/NDF: 54.0/43



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.372+/-0.017 χ^2/NDF:211914.3/4

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 36.778+/-0.015 χ^2/NDF:620008.5/3

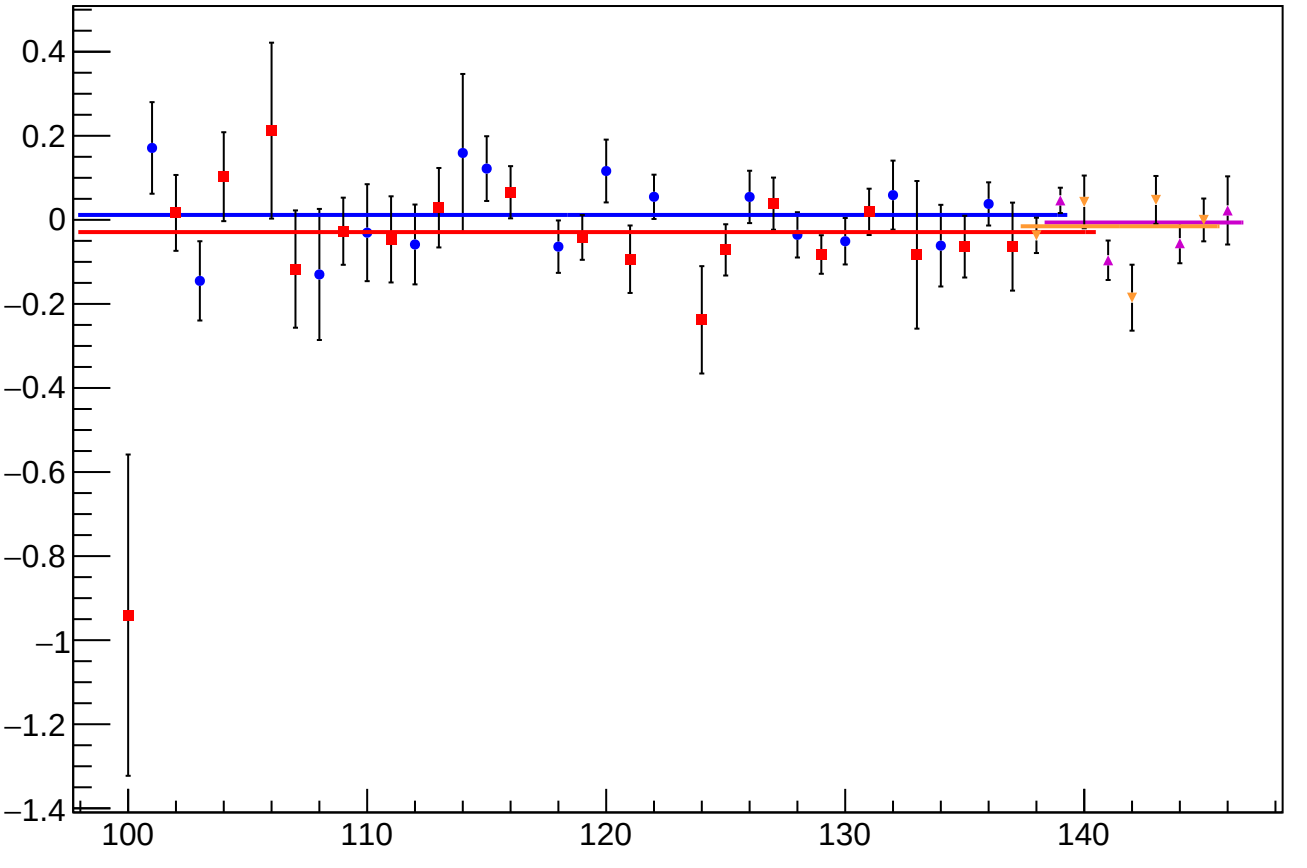
Left: 40.106+/-0.011 χ^2/NDF: 940515.1/8

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.861+/-0.010 χ^2/NDF:2064993.7/19

Out: 44.221+/-0.010 χ^2/NDF:1955461.5/23

All: 43.002+/-0.007 χ^2/NDF: 4048103.1/43



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.015+/-0.024 χ^2/NDF:7.1/4

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.022 χ^2/NDF:7.9/3

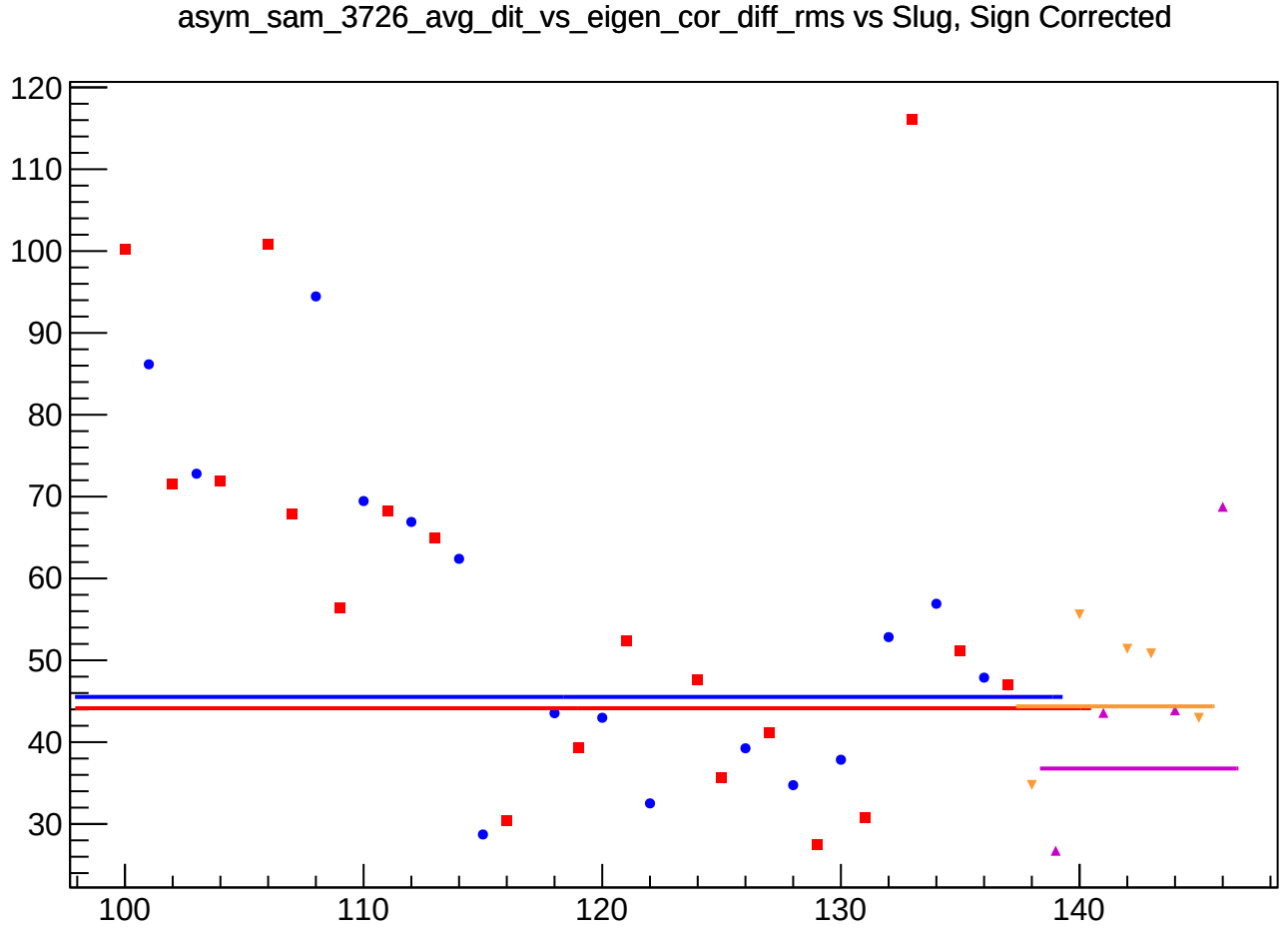
Left: -0.010+/-0.016 χ^2/NDF: 15.1/8

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.014 χ^2/NDF:25.2/19

Out: -0.024+/-0.014 χ^2/NDF:26.9/23

All: -0.010+/-0.010 χ^2/NDF: 54.0/43



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 44.372+/-0.017 χ^2/NDF:211914.3/4

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 36.778+/-0.015 χ^2/NDF:620008.5/3

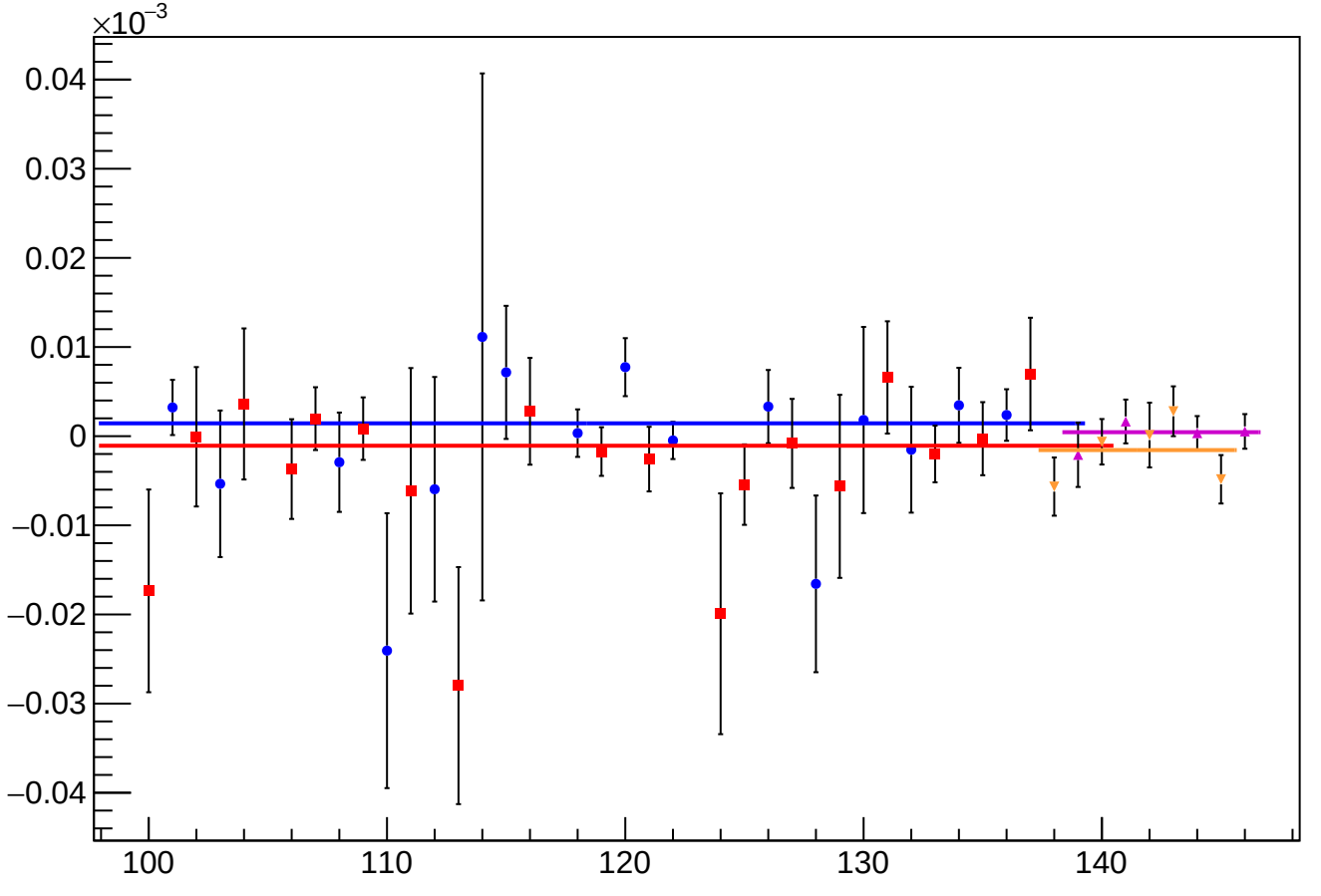
Left: 40.106+/-0.011 χ^2/NDF: 940515.1/8

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.861+/-0.010 χ^2/NDF:2064993.7/19

Out: 44.221+/-0.010 χ^2/NDF:1955461.5/23

All: 43.002+/-0.007 χ^2/NDF: 4048103.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/4

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

Left: -0.000+/-0.000 χ^2/NDF: 7.9/8

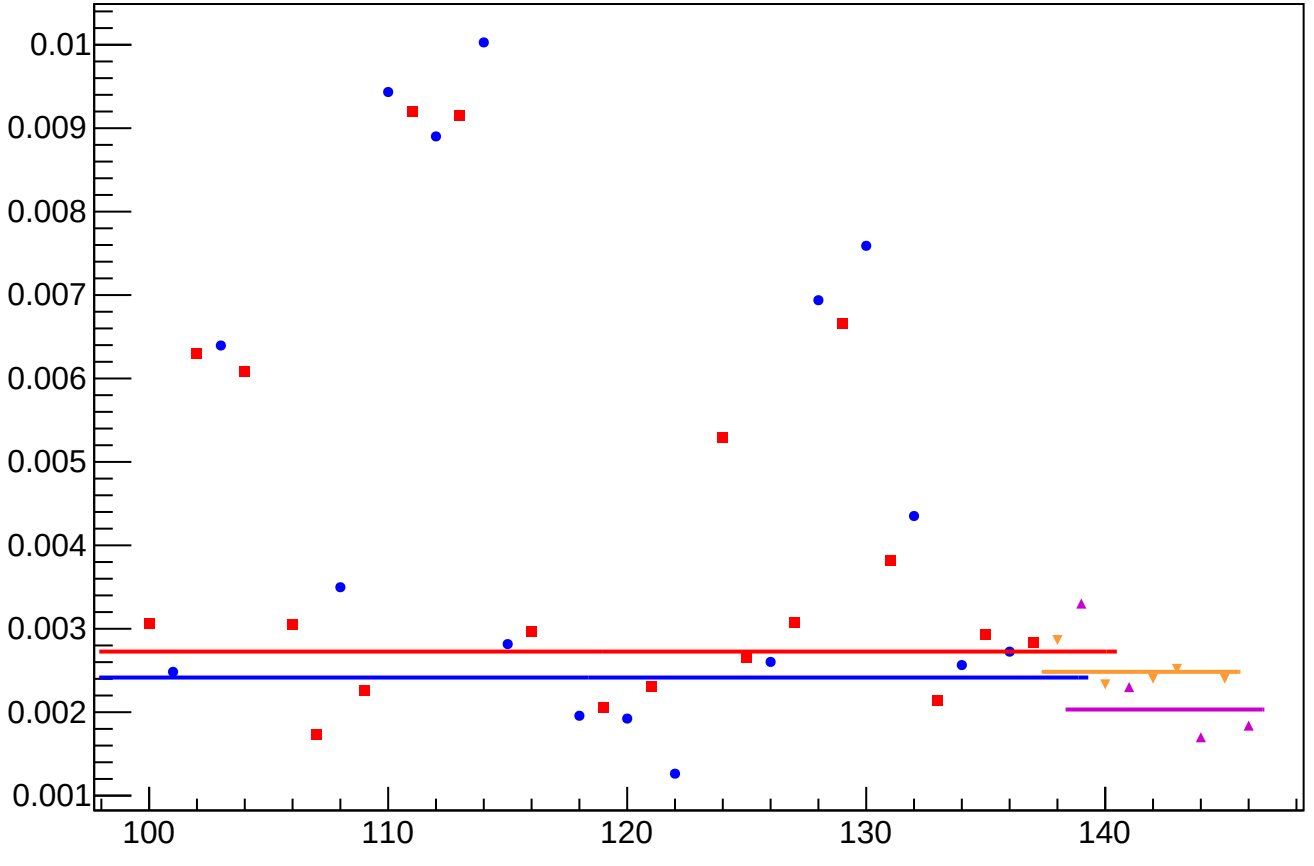
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:15.4/19

Out: -0.000+/-0.000 χ^2/NDF:20.7/23

All: -0.000+/-0.000 χ^2/NDF: 40.0/43

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:37304.4/4

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:351949.7/3

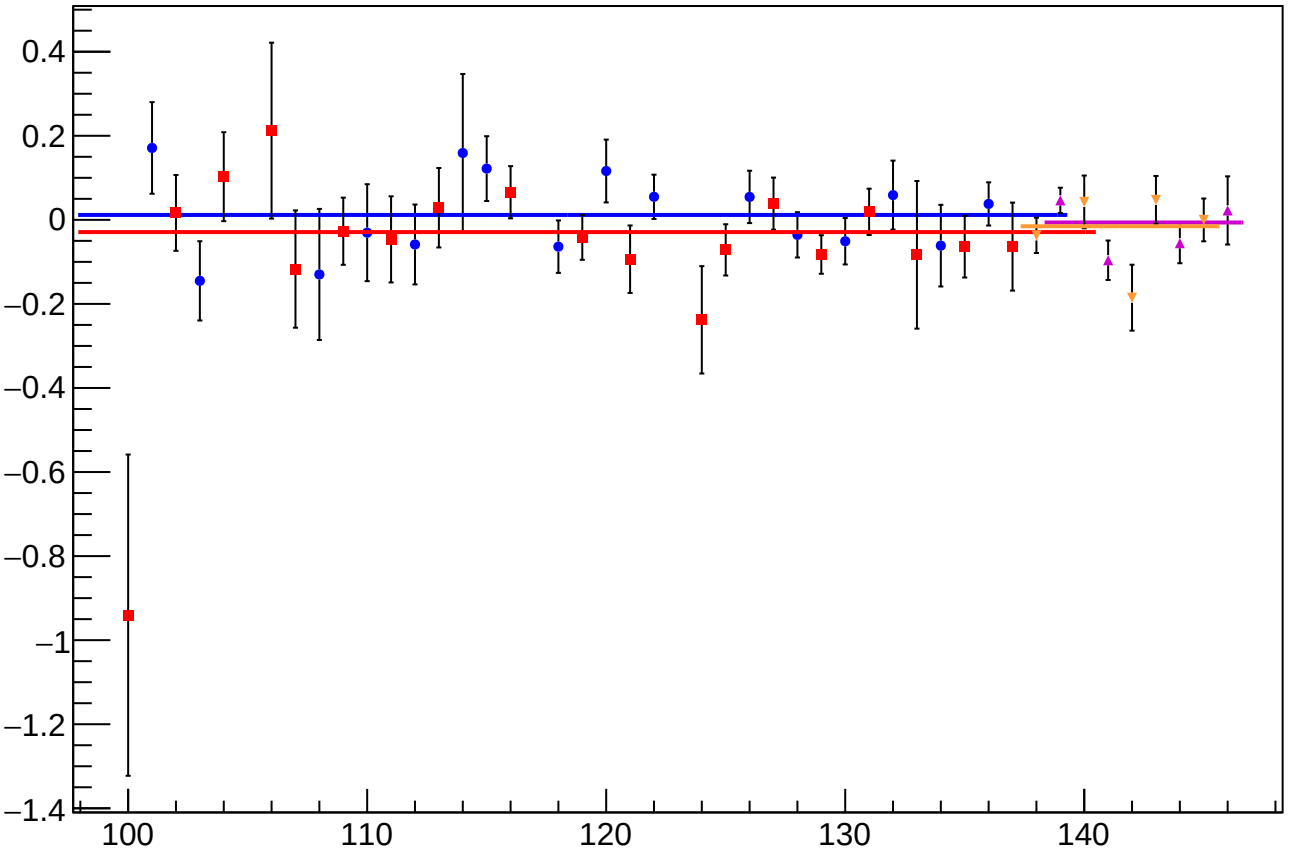
Left: 0.002+/-0.000 χ^2/NDF: 525966.4/8

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:3908412.7/19

Out: 0.003+/-0.000 χ^2/NDF:2582234.2/23

All: 0.002+/-0.000 χ^2/NDF: 6715407.2/43



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: -0.015+/-0.024 χ^2/NDF:7.1/4

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.022 χ^2/NDF:7.9/3

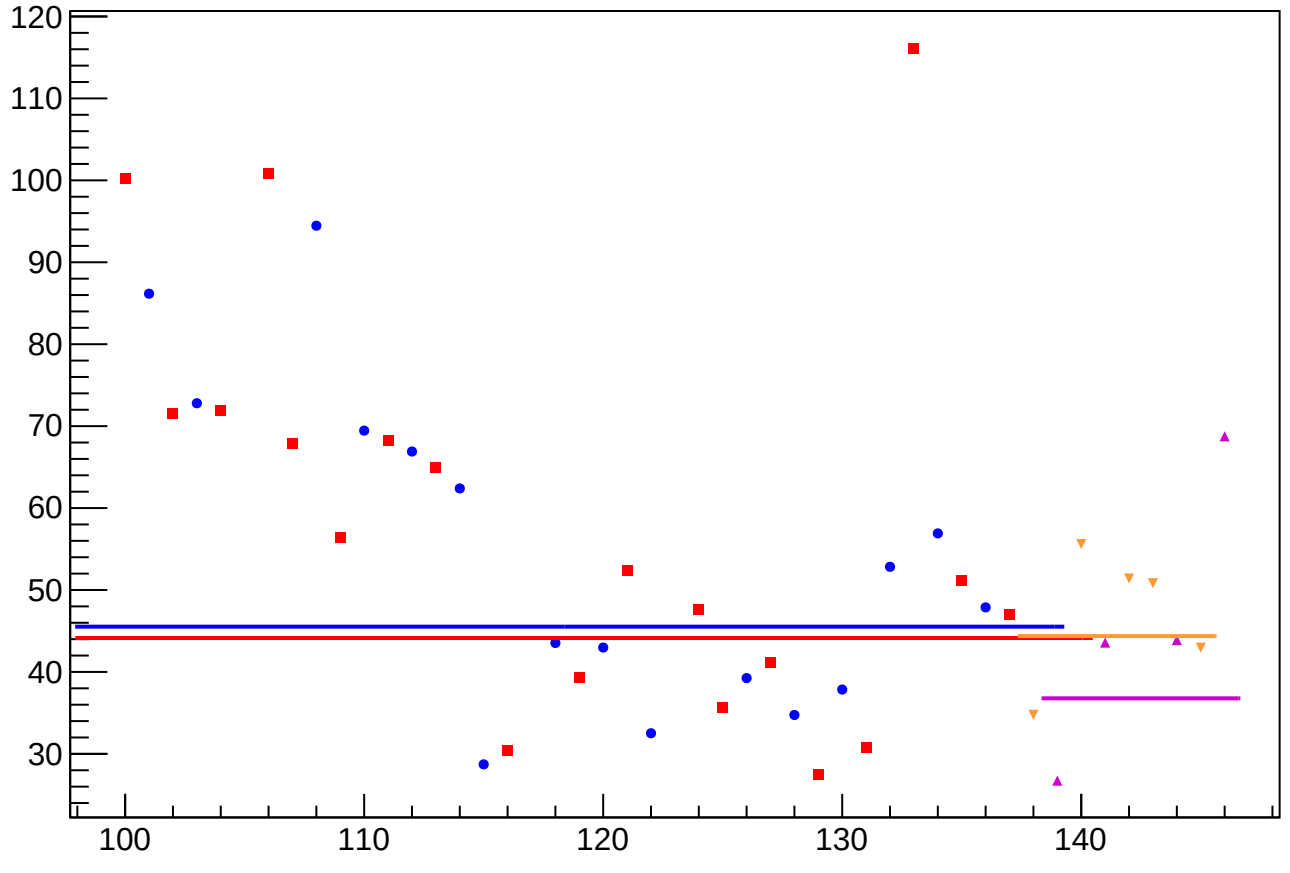
Left: -0.010+/-0.016 χ^2/NDF: 15.1/8

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.014 χ^2/NDF:25.2/19

Out: -0.024+/-0.014 χ^2/NDF:26.9/23

All: -0.010+/-0.010 χ^2/NDF: 54.0/43



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 44.372+/-0.017 χ^2/NDF:211928.8/4

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 36.778+/-0.015 χ^2/NDF:620025.1/3

Left: 40.106+/-0.011 χ^2/NDF: 940548.0/8

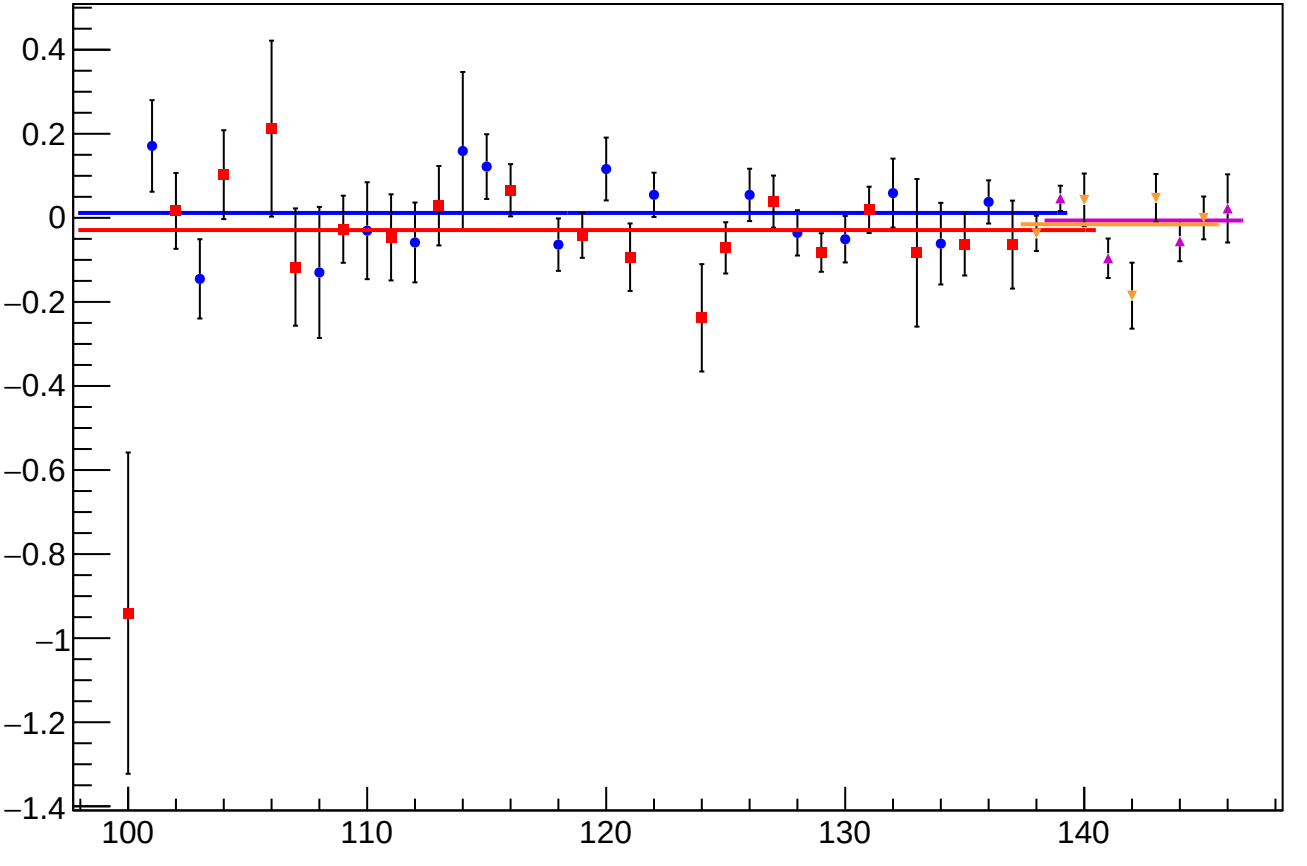
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.861+/-0.010 χ^2/NDF:2064954.2/19

Out: 44.222+/-0.010 χ^2/NDF:1955396.1/23

All: 43.003+/-0.007 χ^2/NDF: 4048003.2/43

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: -0.015+/-0.024 χ^2/NDF:7.1/4

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.022 χ^2/NDF:7.9/3

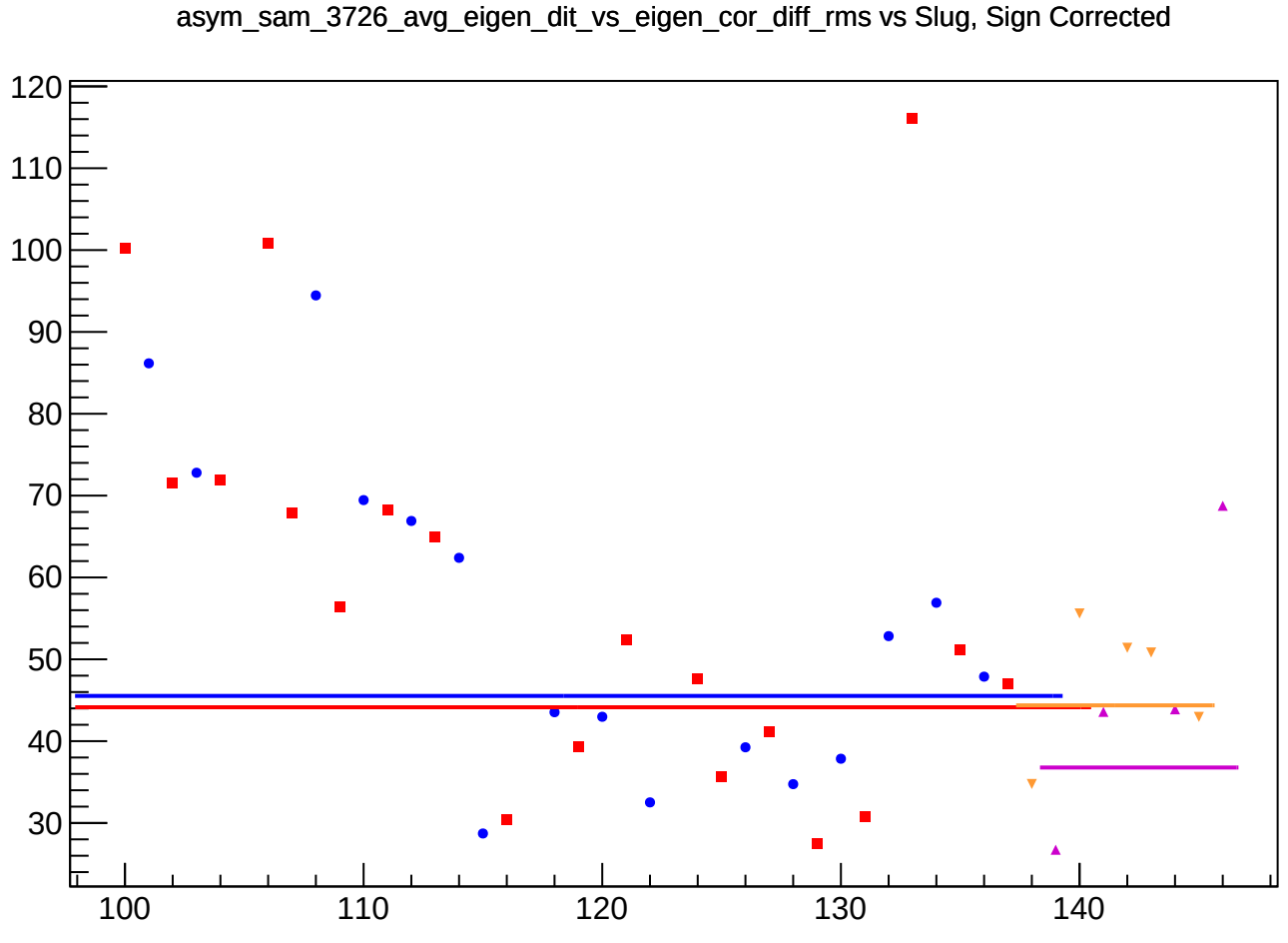
Left: -0.010+/-0.016 χ^2/NDF: 15.1/8

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.014 χ^2/NDF:25.2/19

Out: -0.024+/-0.014 χ^2/NDF:26.9/23

All: -0.010+/-0.010 χ^2/NDF: 54.0/43



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 44.372+/-0.017 χ^2/NDF:211928.8/4

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 36.778+/-0.015 χ^2/NDF:620025.1/3

Left: 40.106+/-0.011 χ^2/NDF: 940548.0/8

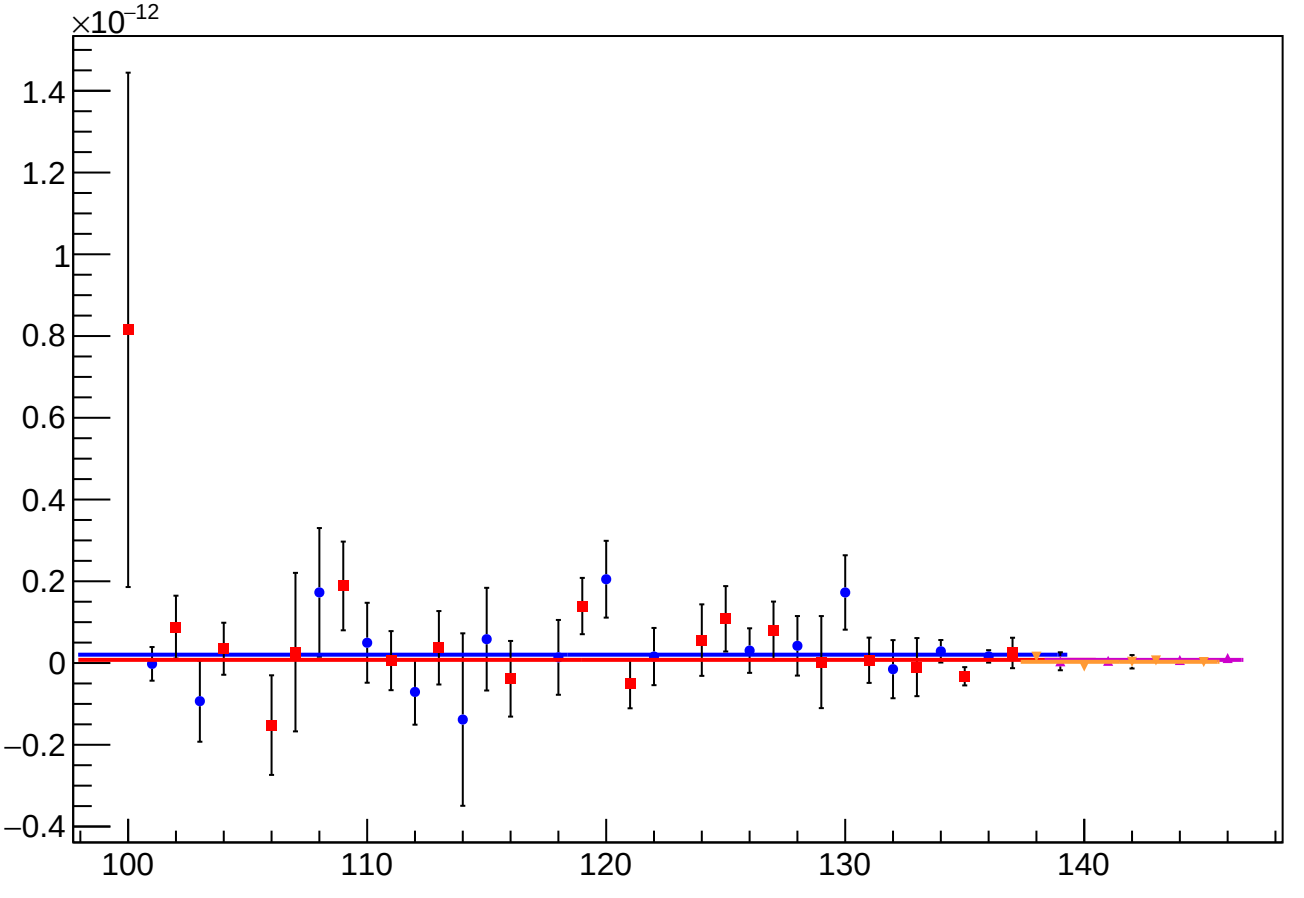
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.861+/-0.010 χ^2/NDF:2064954.2/19

Out: 44.222+/-0.010 χ^2/NDF:1955396.1/23

All: 43.003+/-0.007 χ^2/NDF: 4048003.2/43

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.3/3

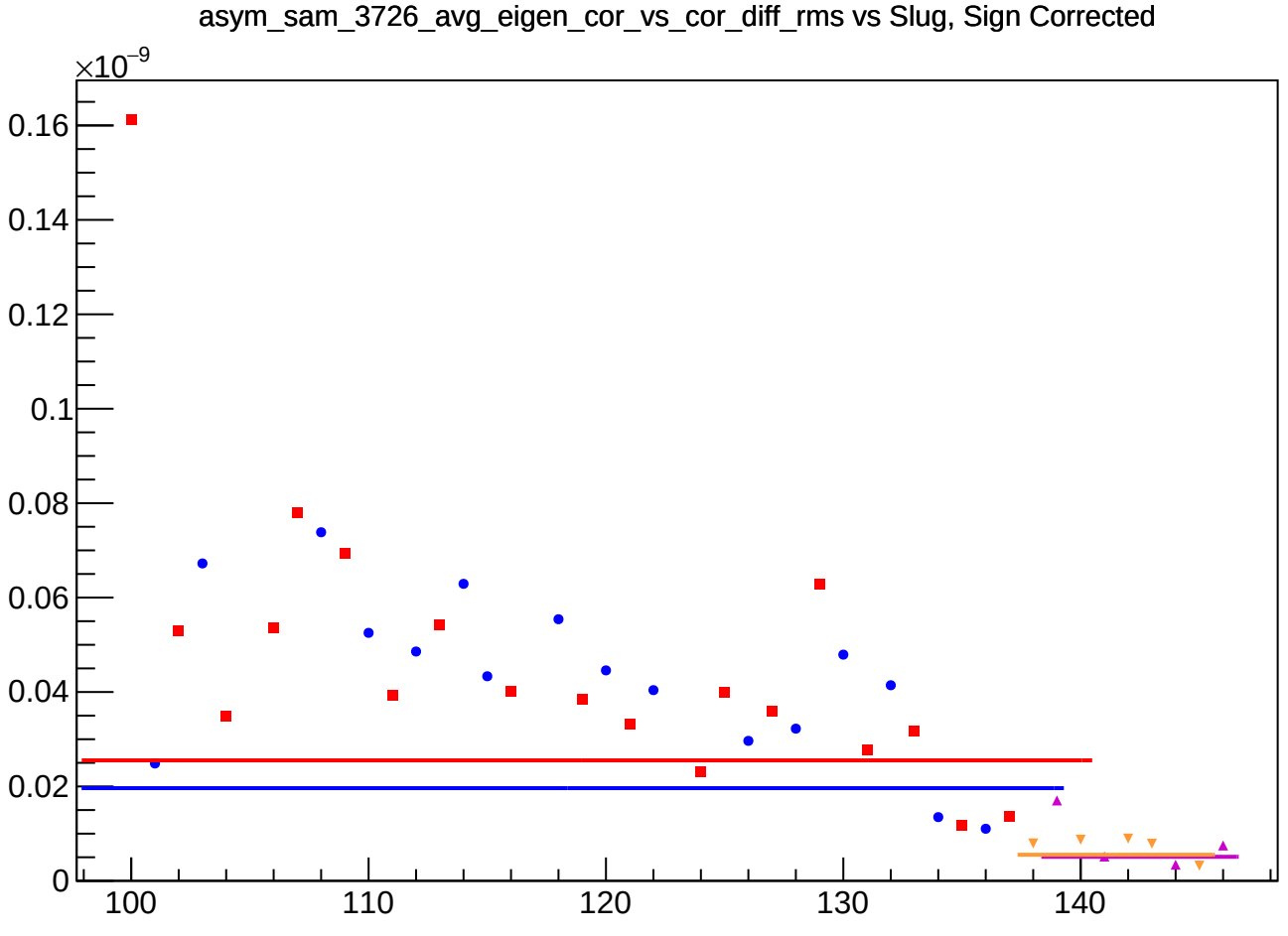
Left: 0.000+/-0.000 χ^2/NDF: 3.2/8

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:13.2/19

Out: 0.000+/-0.000 χ^2/NDF:21.1/23

All: 0.000+/-0.000 χ^2/NDF: 35.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:758699.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:874760.1/3

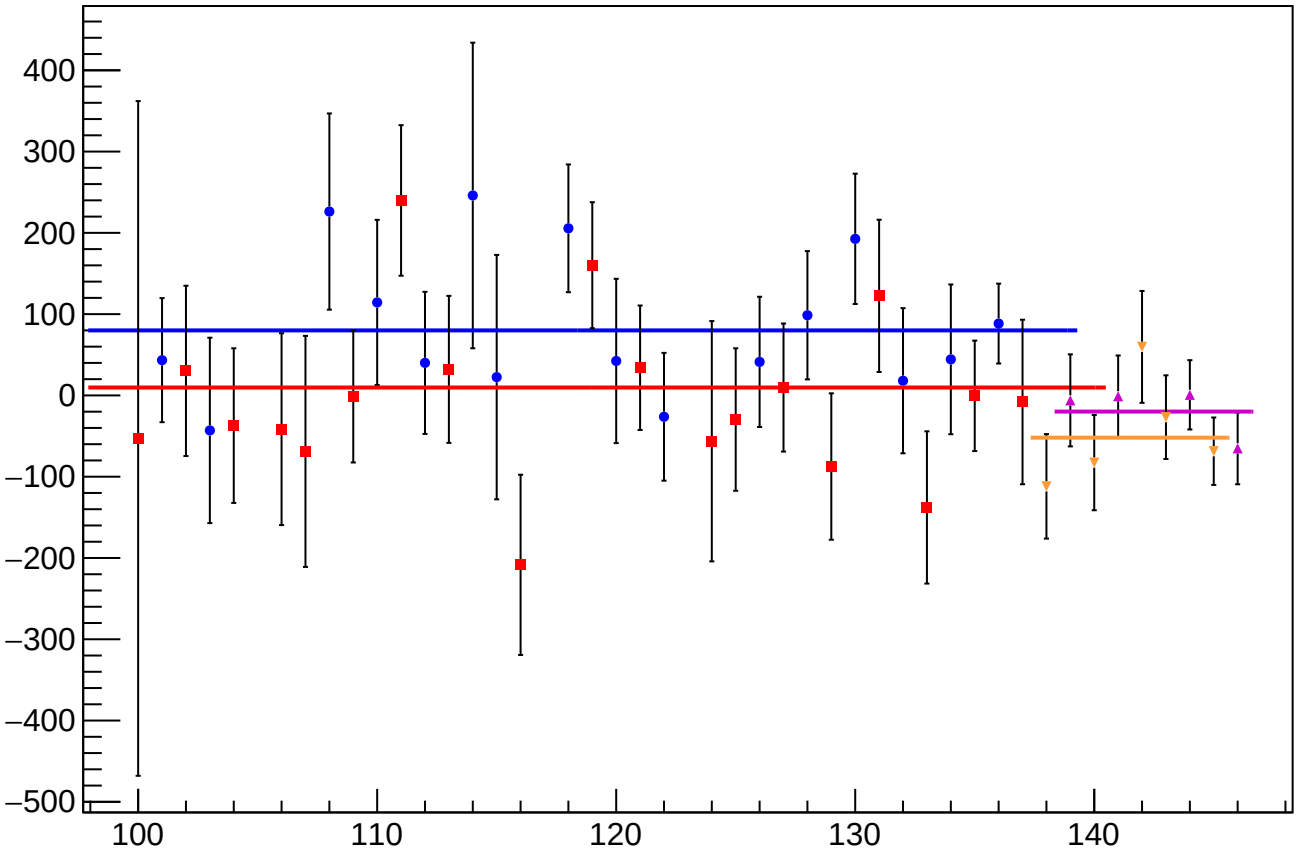
Left: 0.000+/-0.000 χ^2/NDF: 1644214.1/8

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7081736.6/19

Out: 0.000+/-0.000 χ^2/NDF:7368842.8/23

All: 0.000+/-0.000 χ^2/NDF: 14456200.2/43



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -51.981+/-24.235 χ^2/NDF:4.2/4

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -19.883+/-23.765 χ^2/NDF:1.5/3

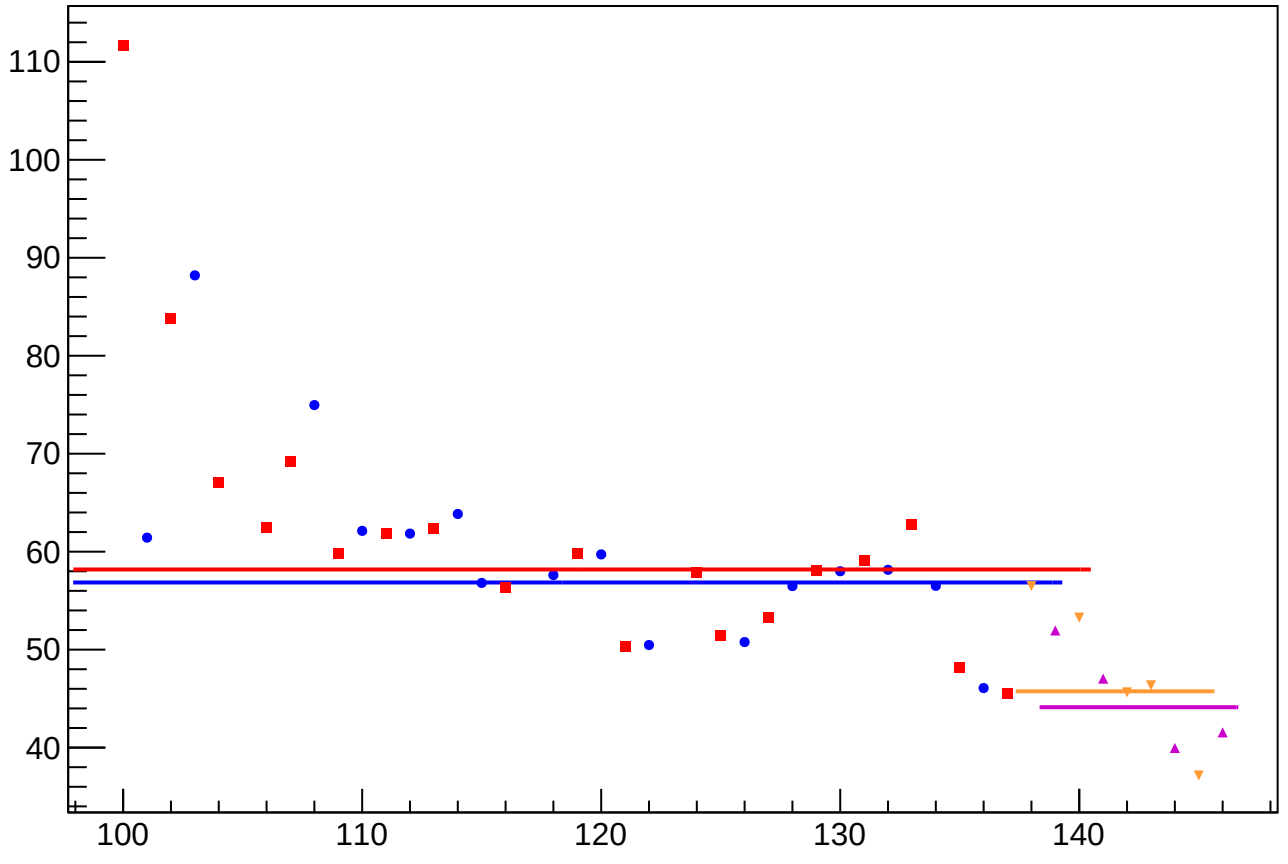
Left: -35.618+/-16.968 χ^2/NDF: 6.6/8

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 35.100+/-15.933 χ^2/NDF:22.8/19

Out: -17.614+/-16.132 χ^2/NDF:28.1/23

All: 9.070+/-11.336 χ^2/NDF: 56.3/43



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 45.746+/-0.017 χ^2/NDF:174814.2/4

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

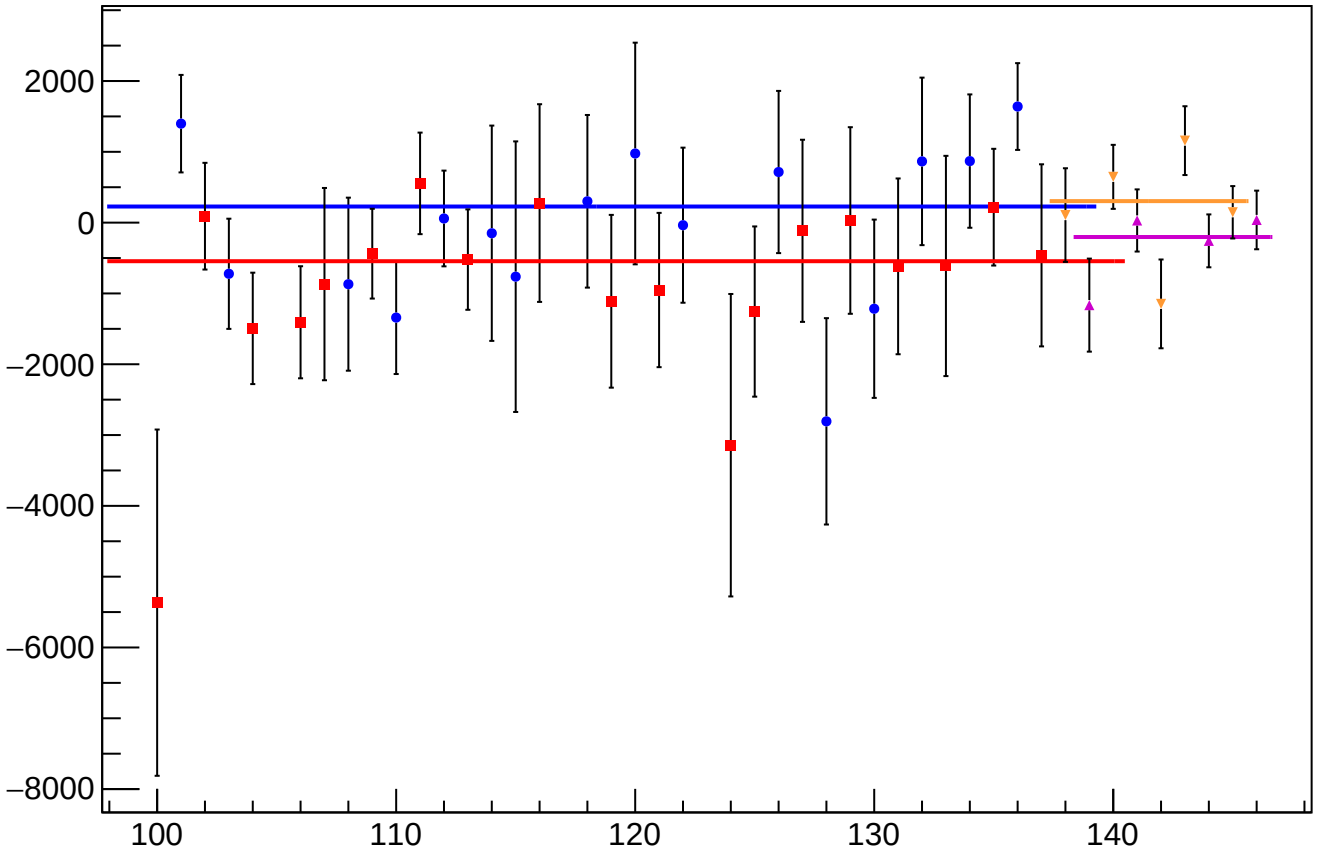
Left: 44.919+/-0.012 χ^2/NDF: 250207.0/8

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 51.132+/-0.011 χ^2/NDF:728393.2/19

Out: 52.671+/-0.011 χ^2/NDF:782741.0/23

All: 51.892+/-0.008 χ^2/NDF: 1520354.3/43



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 303.743+/-216.800 χ^2/NDF:9.3/4

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -203.061+/-220.798 χ^2/NDF:2.8/3

Left: 54.971+/-154.695 χ^2/NDF: 14.8/8

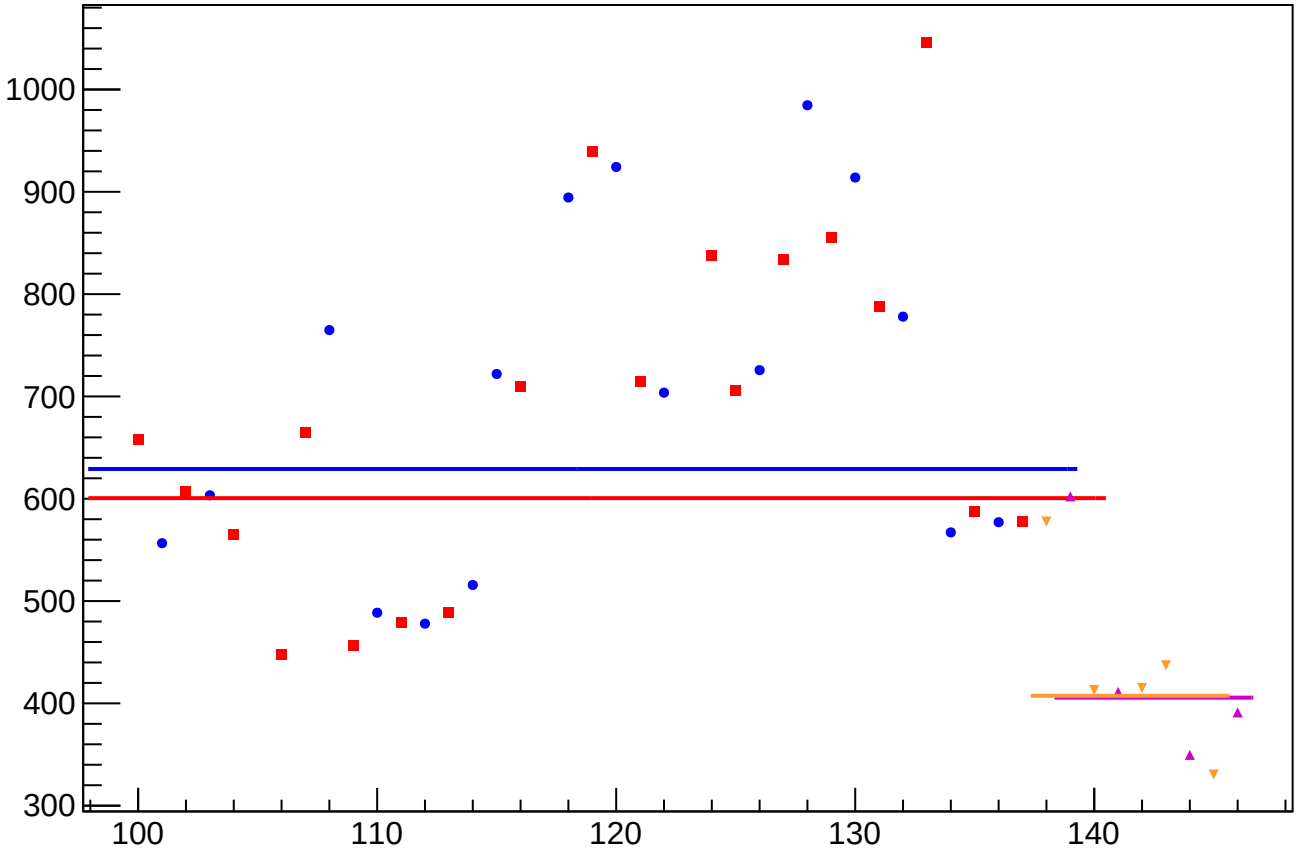
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -6.775+/-162.871 χ^2/NDF:26.2/19

Out: -100.570+/-156.863 χ^2/NDF:30.0/23

All: -55.435+/-112.983 χ^2/NDF: 56.3/43

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: 407.411+/-0.153 χ^2/NDF:227368.6/4

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 405.596+/-0.156 χ^2/NDF:226970.9/3

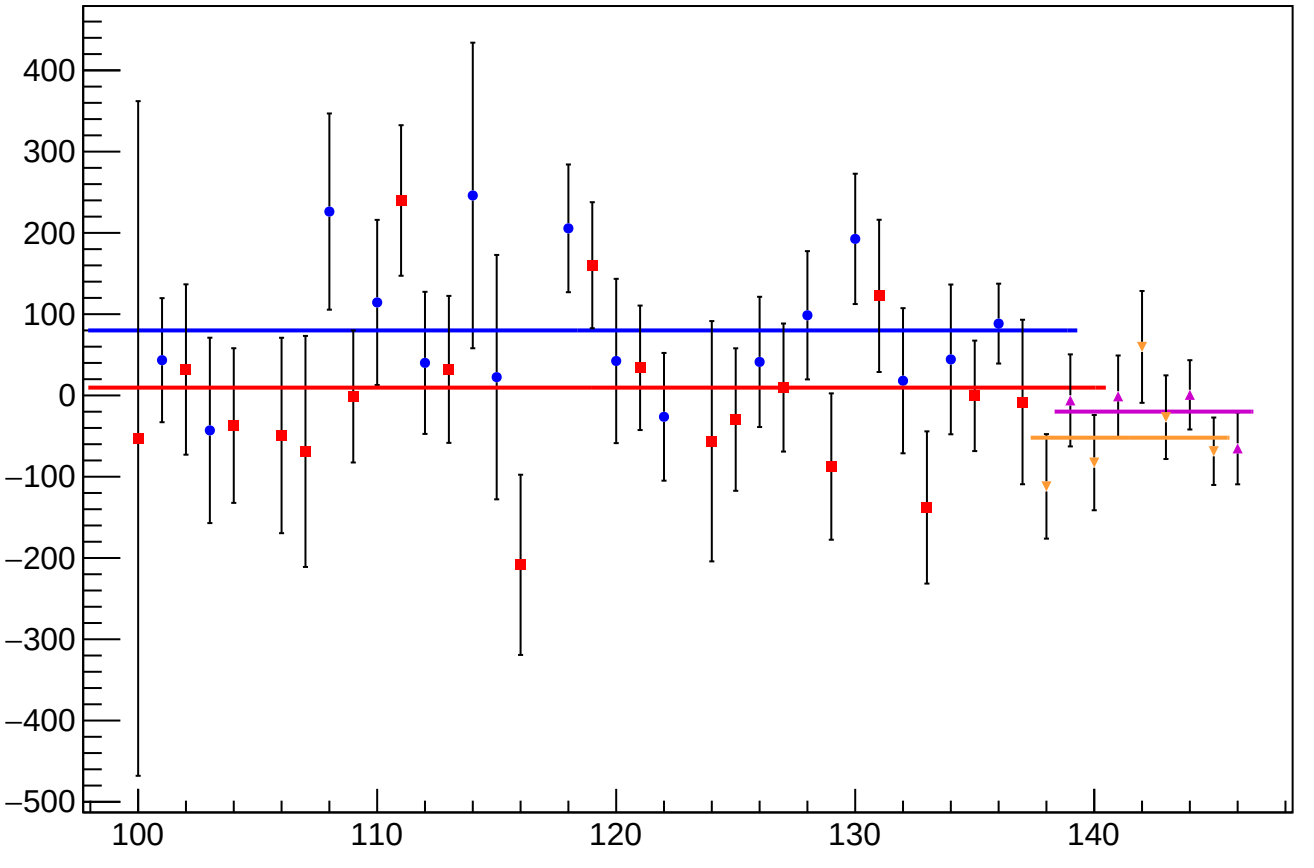
Left: 406.520+/-0.109 χ^2/NDF: 454408.4/8

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 507.484+/-0.115 χ^2/NDF:1853894.9/19

Out: 499.461+/-0.111 χ^2/NDF:1858649.3/23

All: 503.322+/-0.080 χ^2/NDF: 3715061.4/43



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -51.988+/-24.235 χ^2/NDF:4.2/4

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -19.889+/-23.765 χ^2/NDF:1.5/3

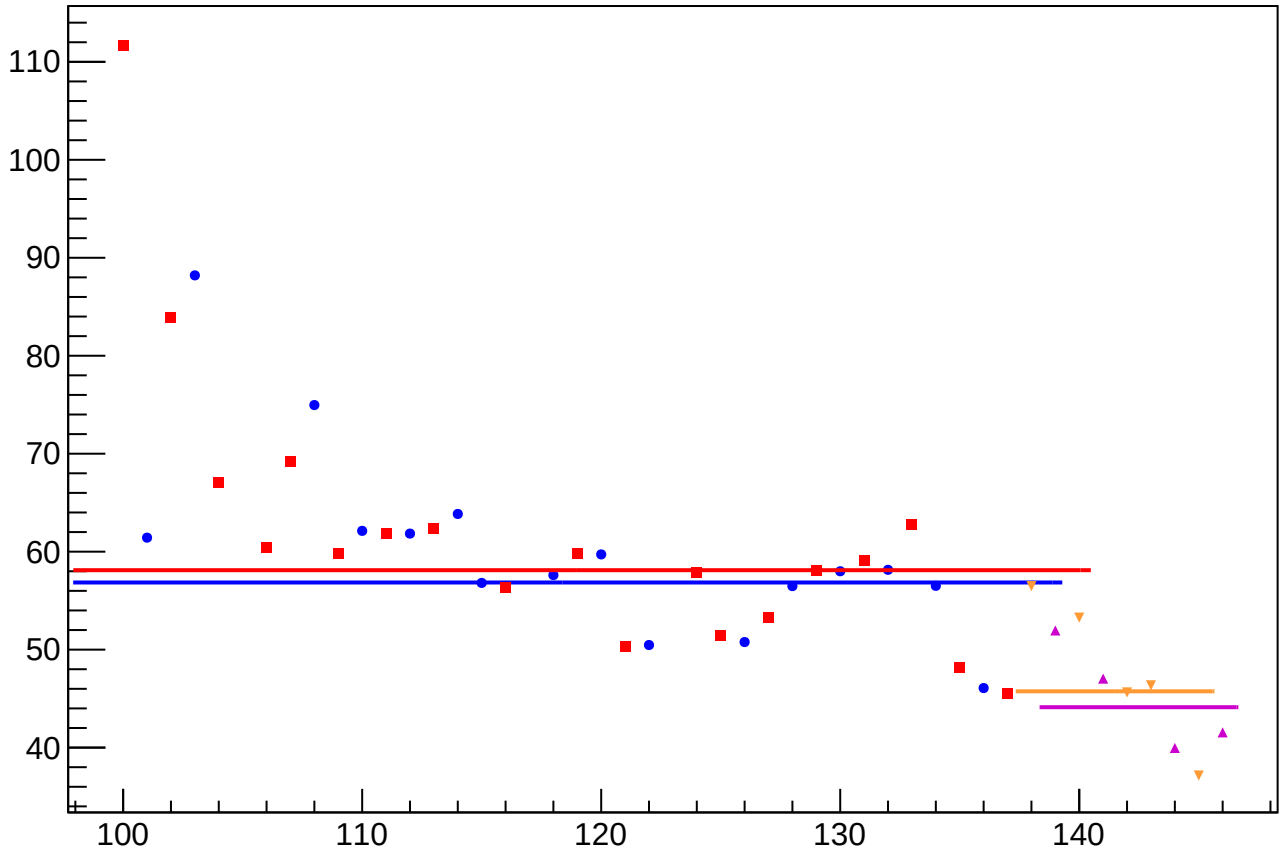
Left: -35.625+/-16.968 χ^2/NDF: 6.6/8

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 35.100+/-15.933 χ^2/NDF:22.8/19

Out: -17.698+/-16.138 χ^2/NDF:28.2/23

All: 9.038+/-11.338 χ^2/NDF: 56.4/43



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 45.746+/-0.017 χ^2/NDF:174814.2/4

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

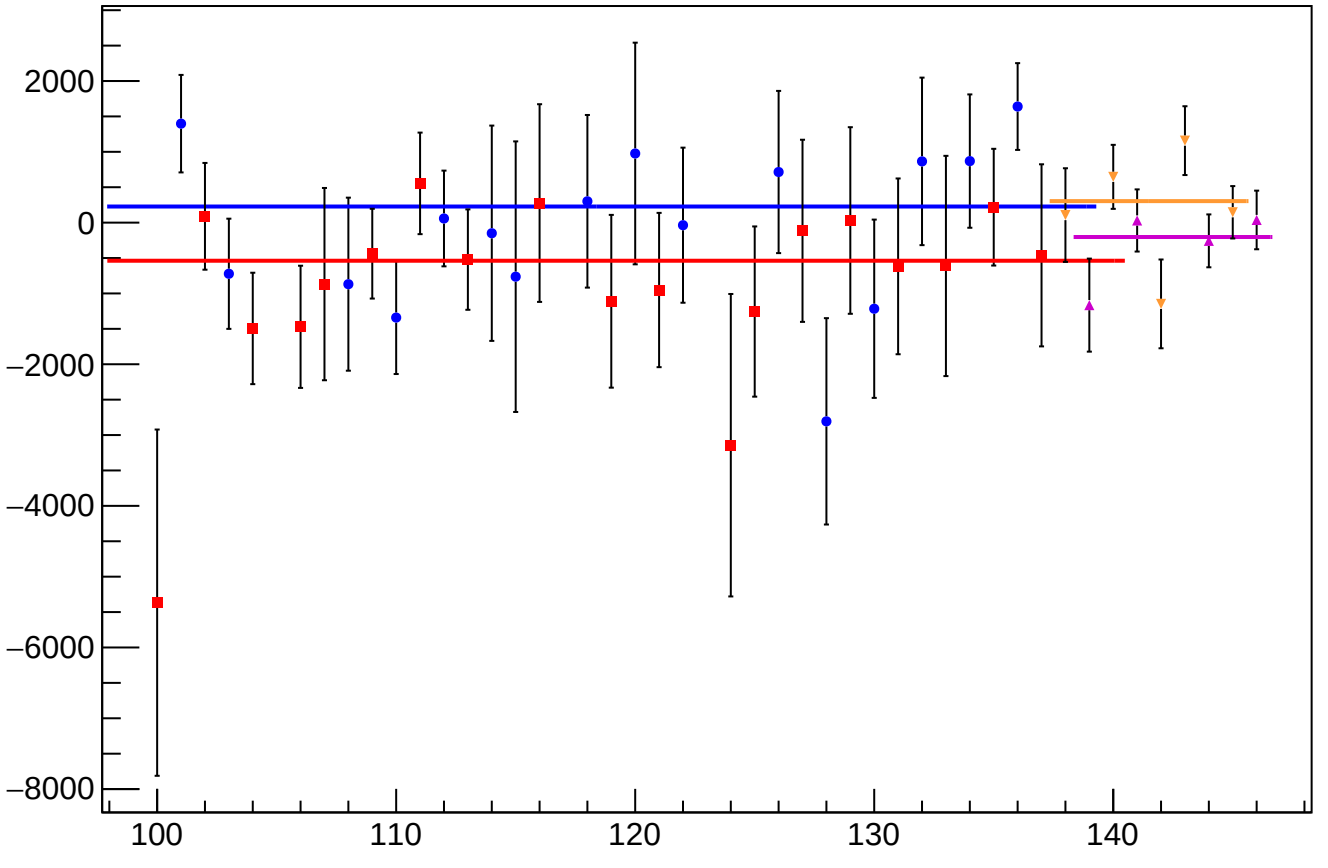
Left: 44.919+/-0.012 χ^2/NDF: 250207.0/8

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.132+/-0.011 χ^2/NDF:728397.2/19

Out: 52.628+/-0.011 χ^2/NDF:777531.3/23

All: 51.870+/-0.008 χ^2/NDF: 1514635.0/43



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 303.736+/-216.800 χ^2/NDF:9.3/4

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -203.068+/-220.798 χ^2/NDF:2.8/3

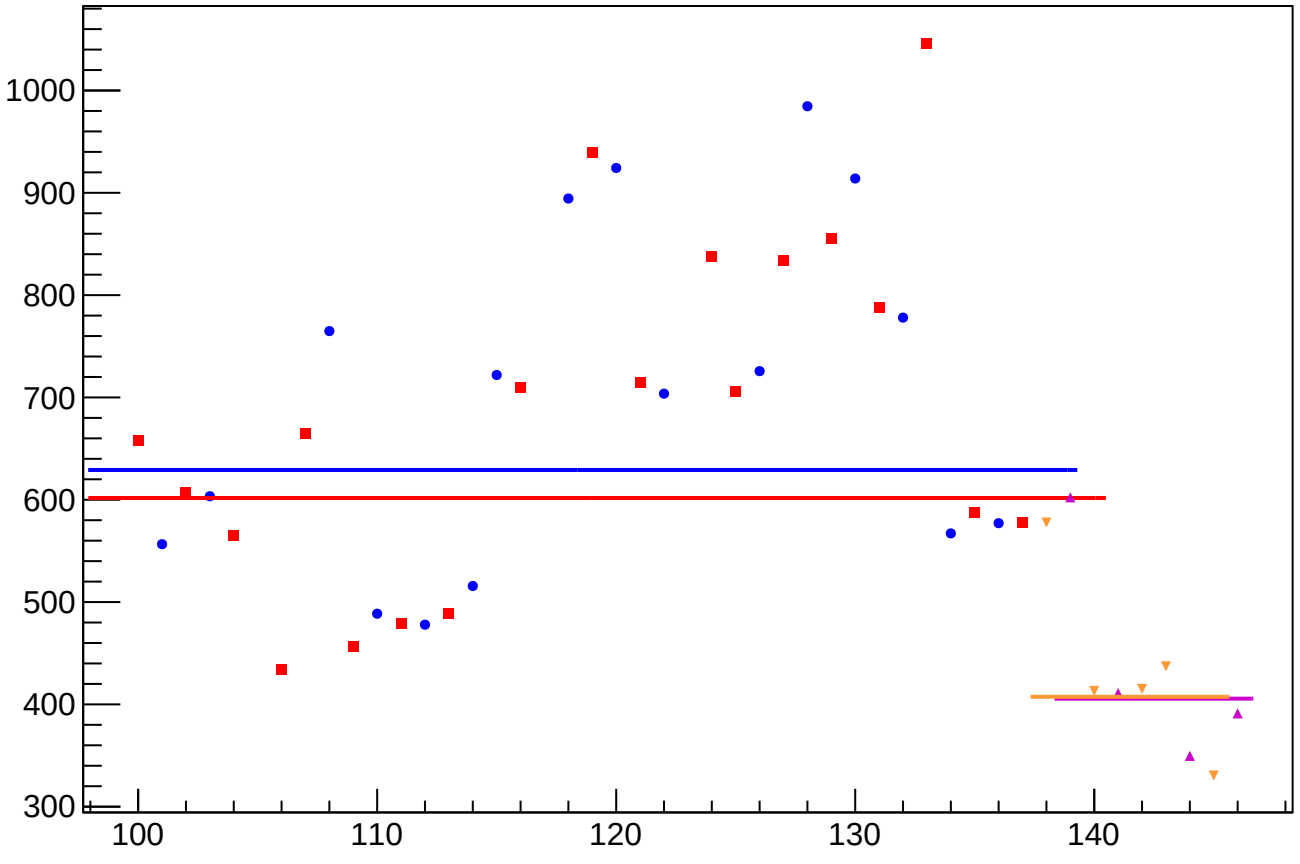
Left: 54.965+/-154.695 χ^2/NDF: 14.8/8

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -6.763+/-162.872 χ^2/NDF:26.2/19

Out: -94.619+/-157.357 χ^2/NDF:29.8/23

All: -52.204+/-113.168 χ^2/NDF: 56.1/43



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 407.411+/-0.153 χ^2/NDF:227368.3/4

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 405.596+/-0.156 χ^2/NDF:226970.2/3

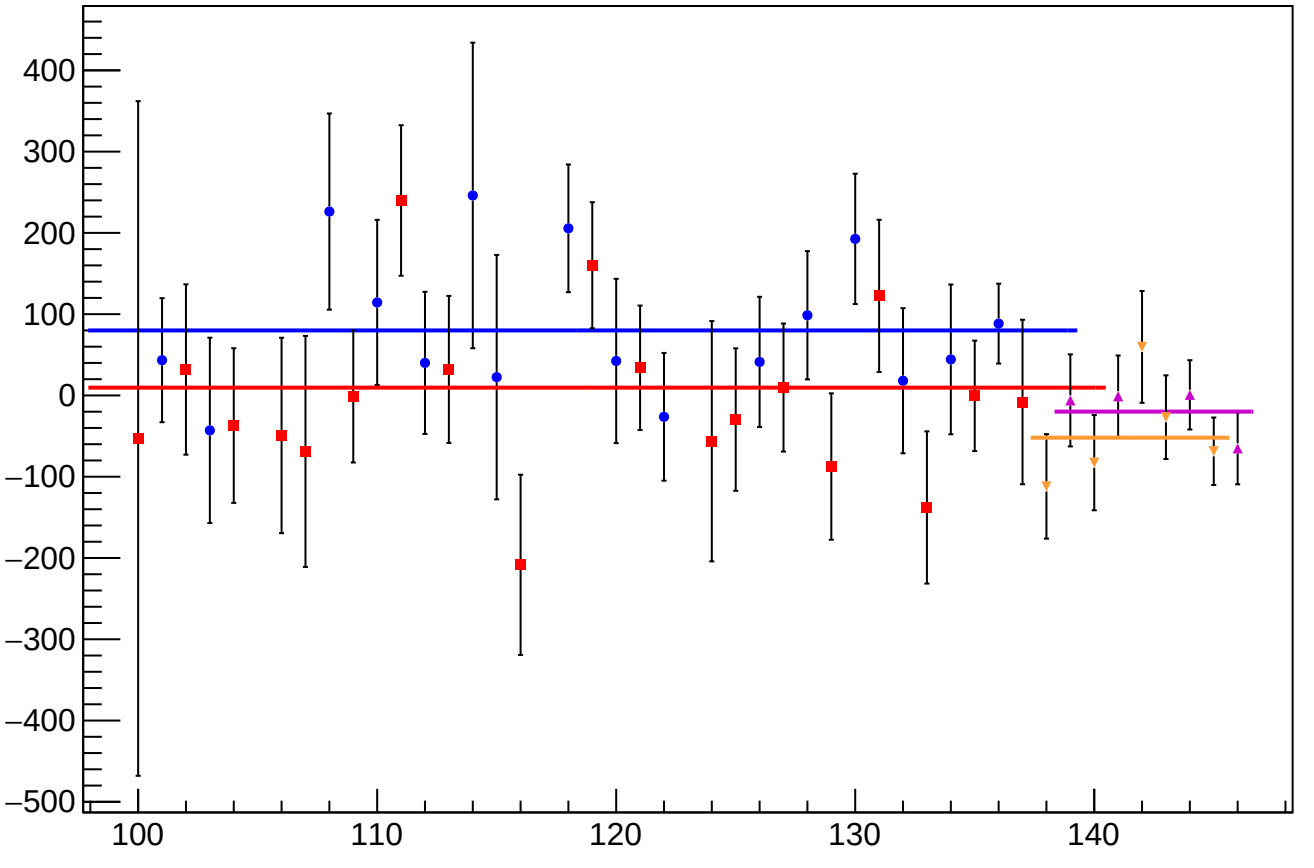
Left: 406.520+/-0.109 χ^2/NDF: 454407.3/8

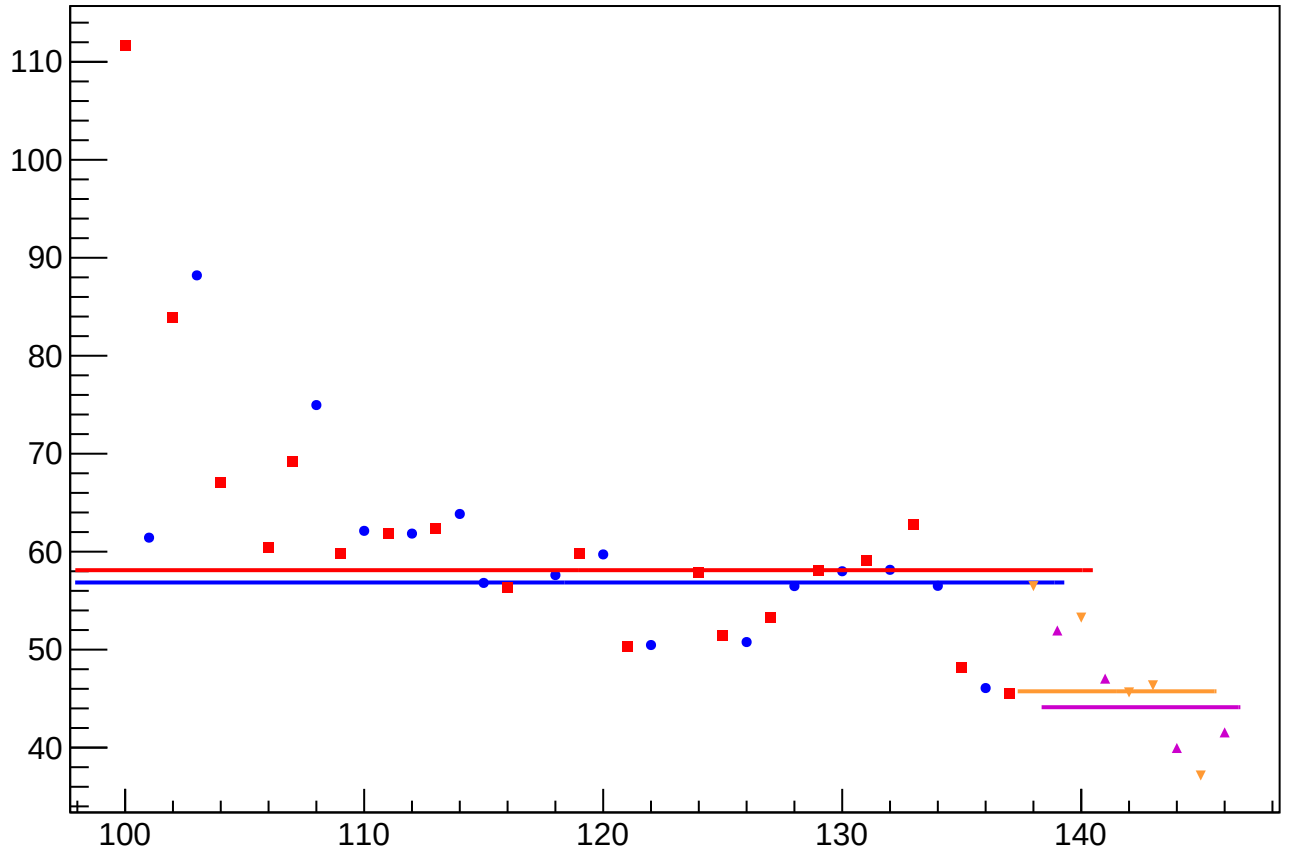
Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 507.485+/-0.115 χ^2/NDF:1853916.0/19

Out: 499.356+/-0.111 χ^2/NDF:1861625.5/23

All: 503.281+/-0.080 χ^2/NDF: 3718118.4/43


eigen_cor_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
−400
−500
100
110
120
130
140
Right In: 79.998+/-21.474 χ²/NDF: 11.6/15
Left Out: -51.988+/-24.235 χ²/NDF:4.2/4
Right Out: 9.619+/-21.631 χ²/NDF: 20.4/18
Left In: -19.889+/-23.765 χ²/NDF:1.5/3
Left: -35.625+/-16.968 χ²/NDF: 6.6/8
Right: 45.064+/-15.240 χ²/NDF: 37.3/34
In: 35.100+/-15.933 χ²/NDF:22.8/19
Out: -17.698+/-16.138 χ²/NDF:28.2/23
All: 9.038+/-11.338 χ²/NDF: 56.4/43



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 45.746+/-0.017 χ^2/NDF:174814.2/4

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

Left: 44.919+/-0.012 χ^2/NDF: 250207.0/8

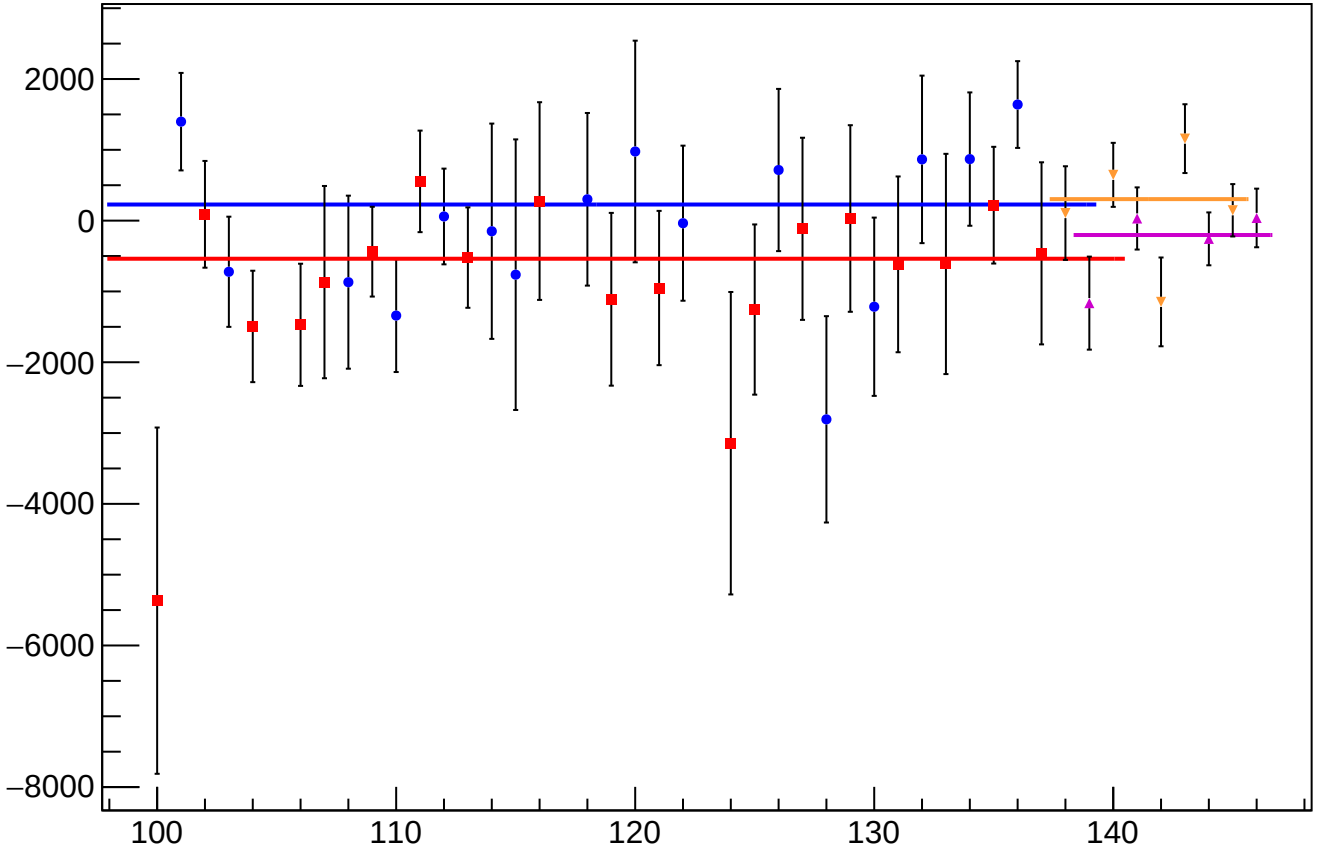
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.132+/-0.011 χ^2/NDF:728397.2/19

Out: 52.628+/-0.011 χ^2/NDF:777531.3/23

All: 51.870+/-0.008 χ^2/NDF: 1514635.0/43

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: 303.736+/-216.800 χ^2/NDF:9.3/4

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -203.068+/-220.798 χ^2/NDF:2.8/3

Left: 54.965+/-154.695 χ^2/NDF: 14.8/8

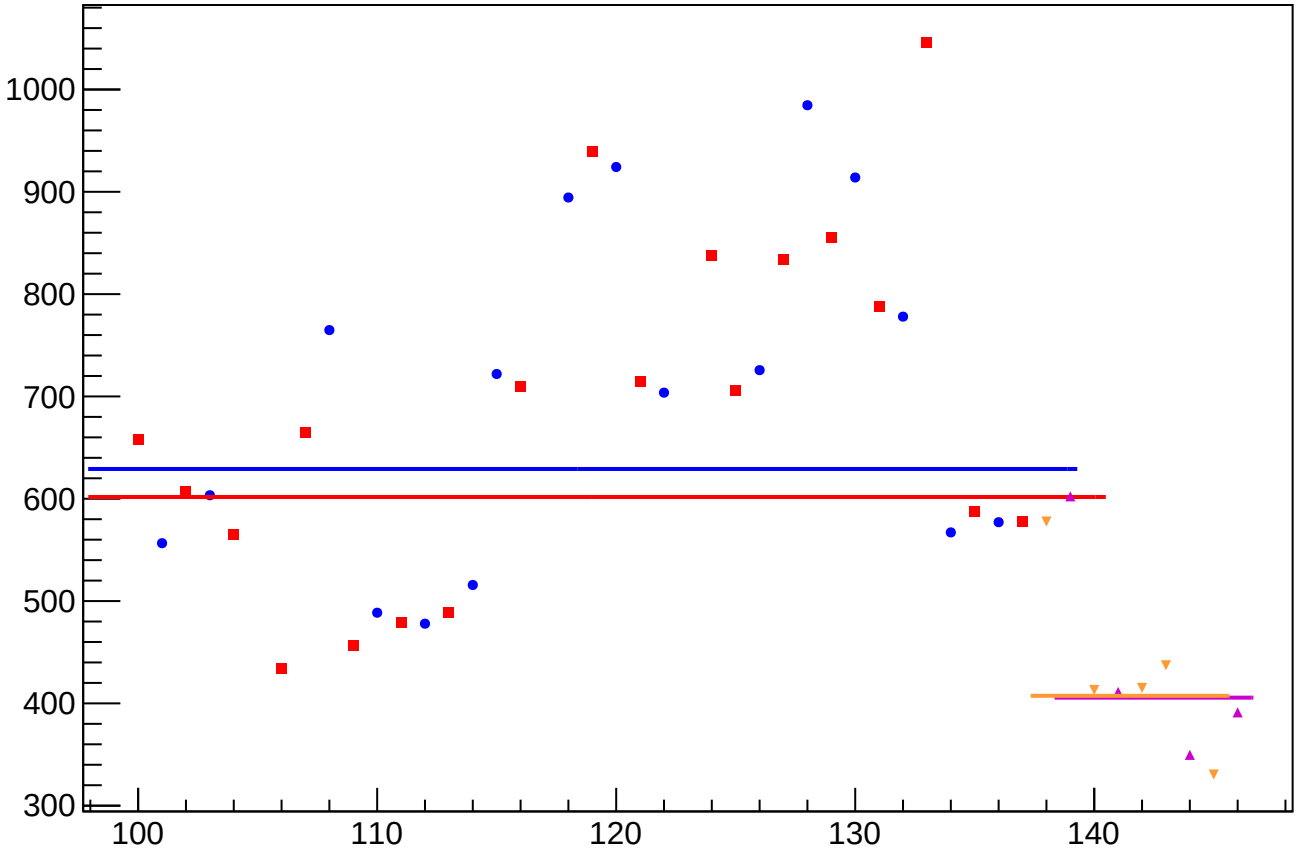
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -6.763+/-162.872 χ^2/NDF:26.2/19

Out: -94.619+/-157.357 χ^2/NDF:29.8/23

All: -52.204+/-113.168 χ^2/NDF: 56.1/43

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: 407.411+/-0.153 χ^2/NDF:227368.3/4

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 405.596+/-0.156 χ^2/NDF:226970.2/3

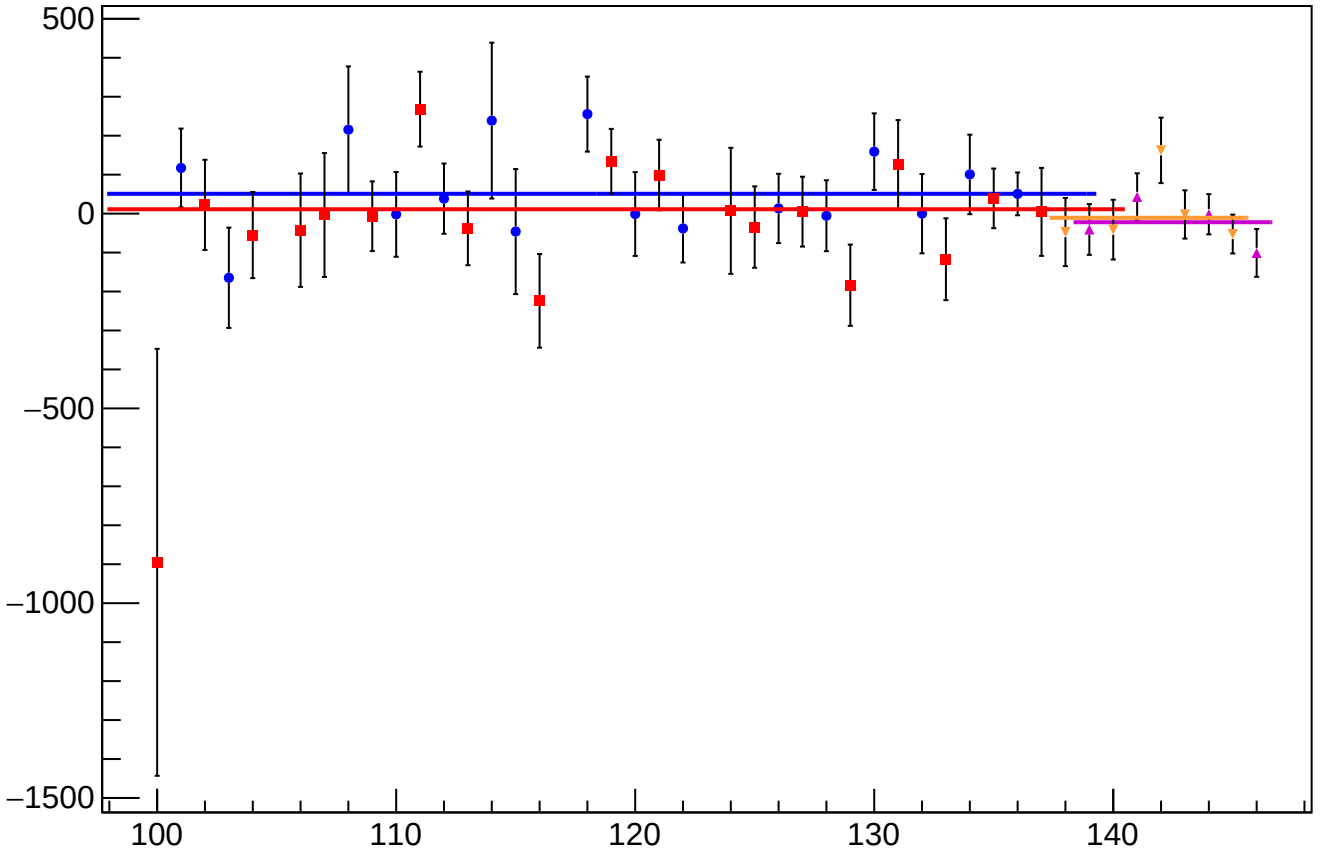
Left: 406.520+/-0.109 χ^2/NDF: 454407.3/8

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 507.485+/-0.115 χ^2/NDF:1853916.0/19

Out: 499.356+/-0.111 χ^2/NDF:1861625.5/23

All: 503.281+/-0.080 χ^2/NDF: 3718118.4/43



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.750+/-30.068 χ^2/NDF:5.3/4

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -22.110+/-29.511 χ^2/NDF:3.0/3

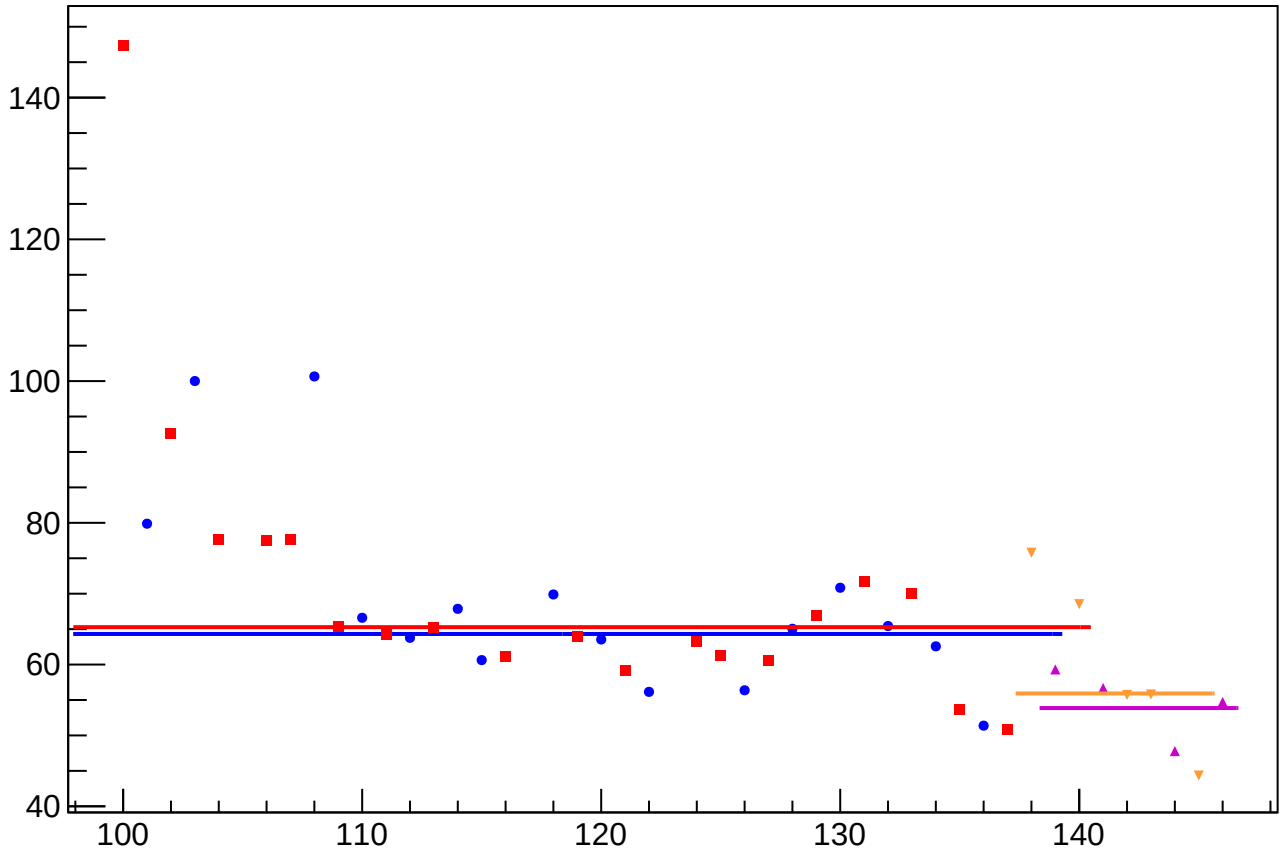
Left: -16.536+/-21.062 χ^2/NDF: 8.4/8

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 21.099+/-18.847 χ^2/NDF:20.5/19

Out: 2.554+/-18.911 χ^2/NDF:29.6/23

All: 11.858+/-13.349 χ^2/NDF: 50.6/43



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 55.919+/-0.021 χ^2/NDF:265034.0/4

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 53.864+/-0.021 χ^2/NDF:46400.9/3

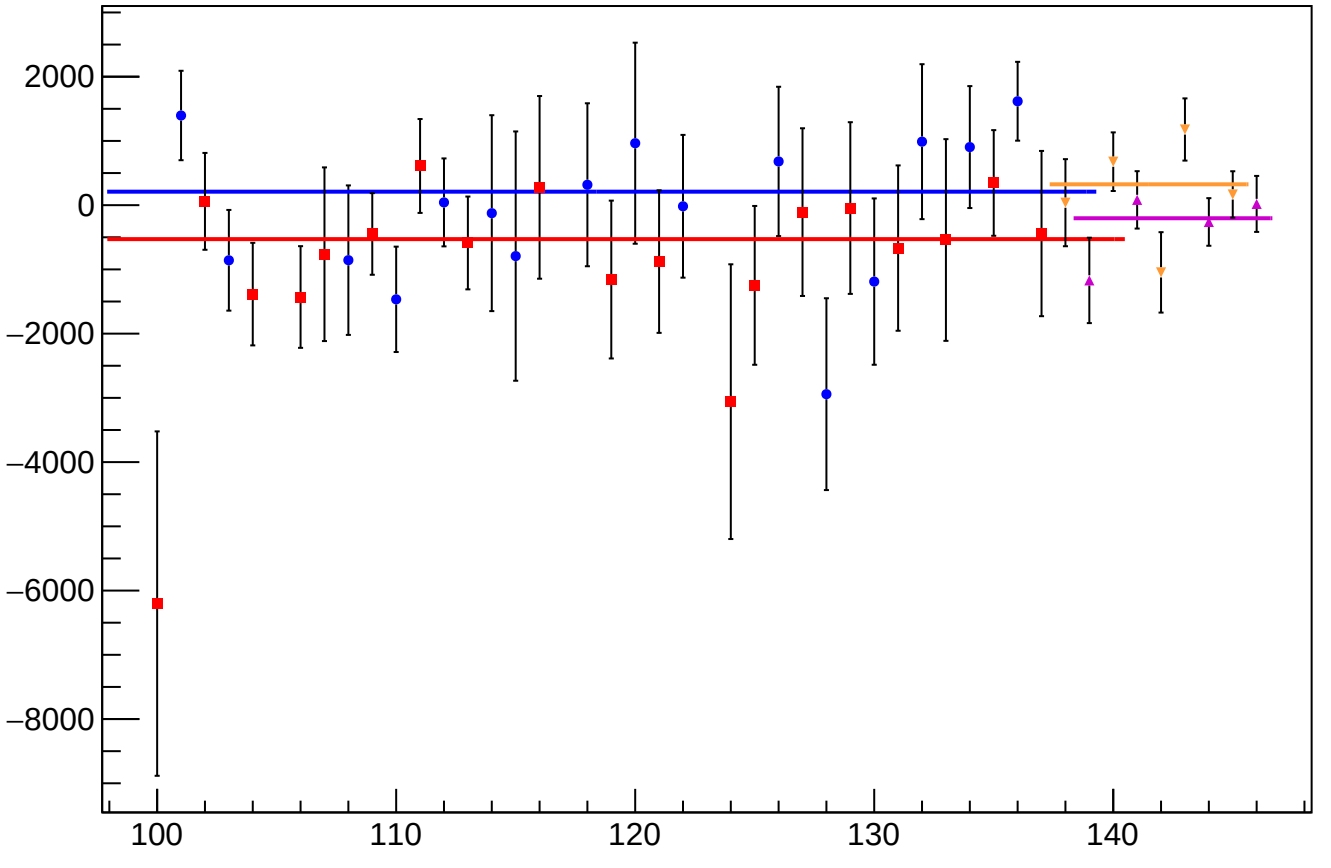
Left: 54.872+/-0.015 χ^2/NDF: 316192.5/8

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 60.053+/-0.013 χ^2/NDF:659941.0/19

Out: 61.575+/-0.013 χ^2/NDF:701283.9/23

All: 60.812+/-0.009 χ^2/NDF: 1367724.0/43



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 324.552+/-215.914 χ^2/NDF:8.9/4

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -203.735+/-224.625 χ^2/NDF:2.8/3

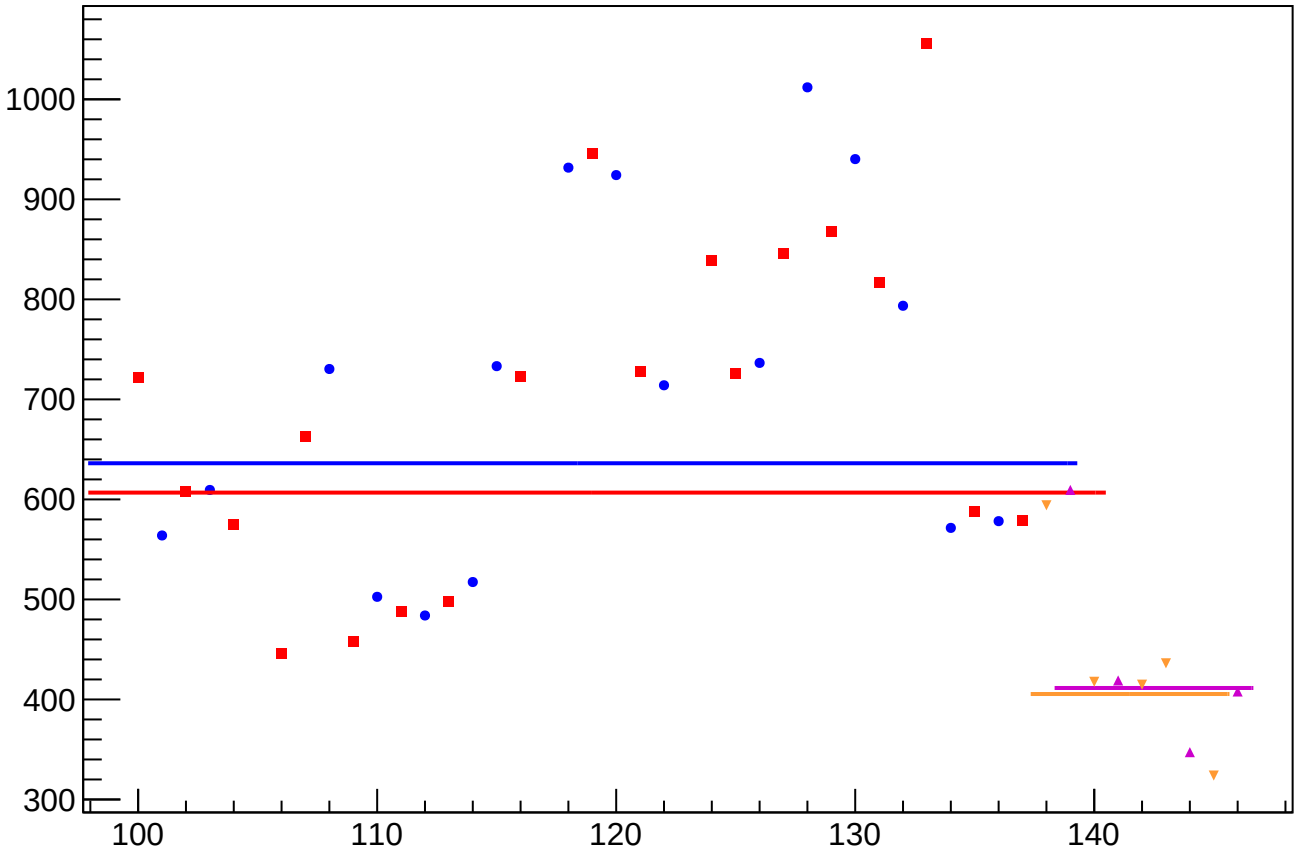
Left: 70.851+/-155.663 χ^2/NDF: 14.6/8

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -13.766+/-165.197 χ^2/NDF:26.8/19

Out: -75.729+/-157.315 χ^2/NDF:30.0/23

All: -46.260+/-113.923 χ^2/NDF: 56.9/43



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 405.442+/-0.153 χ^2/NDF:266589.4/4

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 411.465+/-0.159 χ^2/NDF:238057.8/3

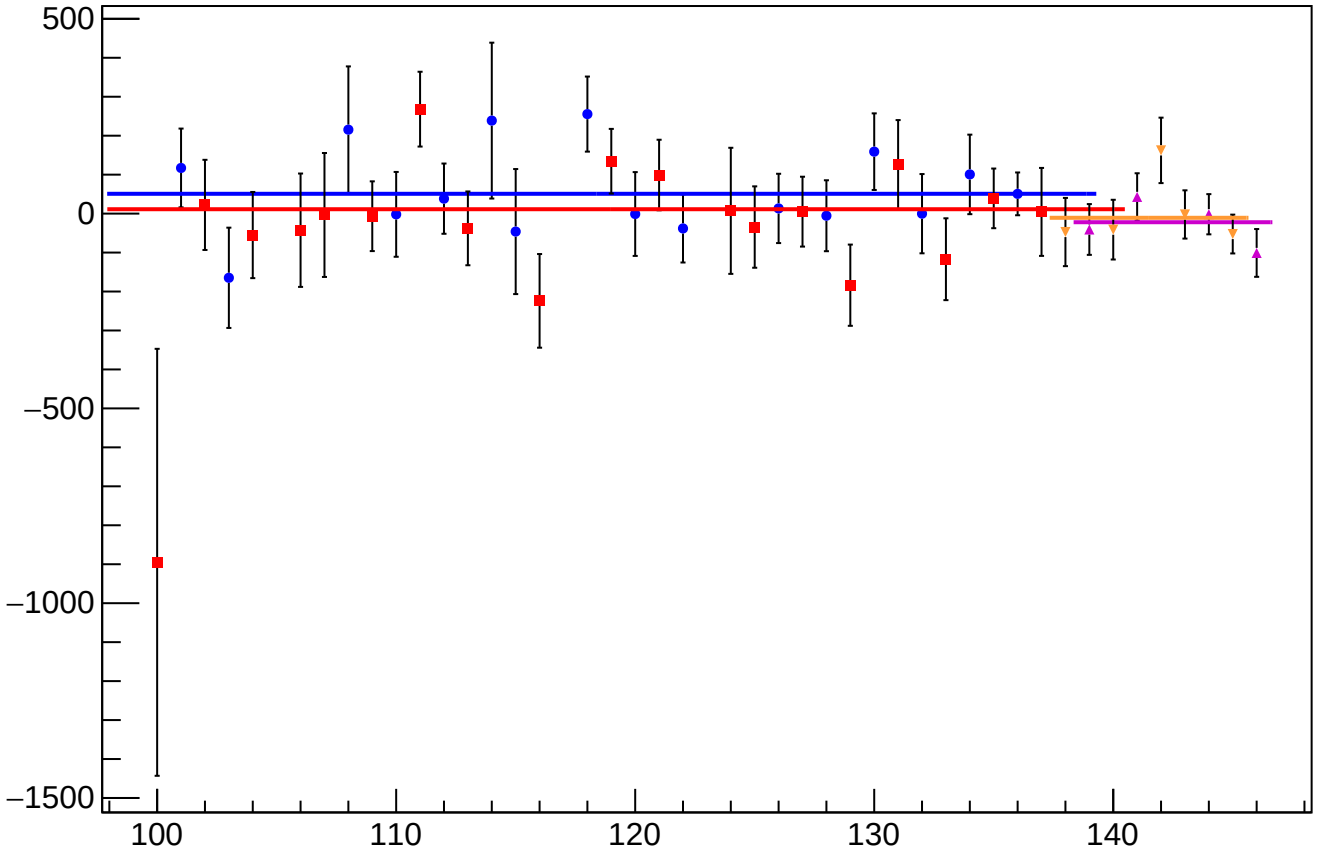
Left: 408.334+/-0.110 χ^2/NDF: 505394.4/8

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 514.624+/-0.117 χ^2/NDF:1862018.9/19

Out: 499.908+/-0.111 χ^2/NDF:1976522.5/23

All: 506.906+/-0.081 χ^2/NDF: 3846863.9/43



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.749+/-30.069 χ^2/NDF:5.3/4

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -22.109+/-29.511 χ^2/NDF:3.0/3

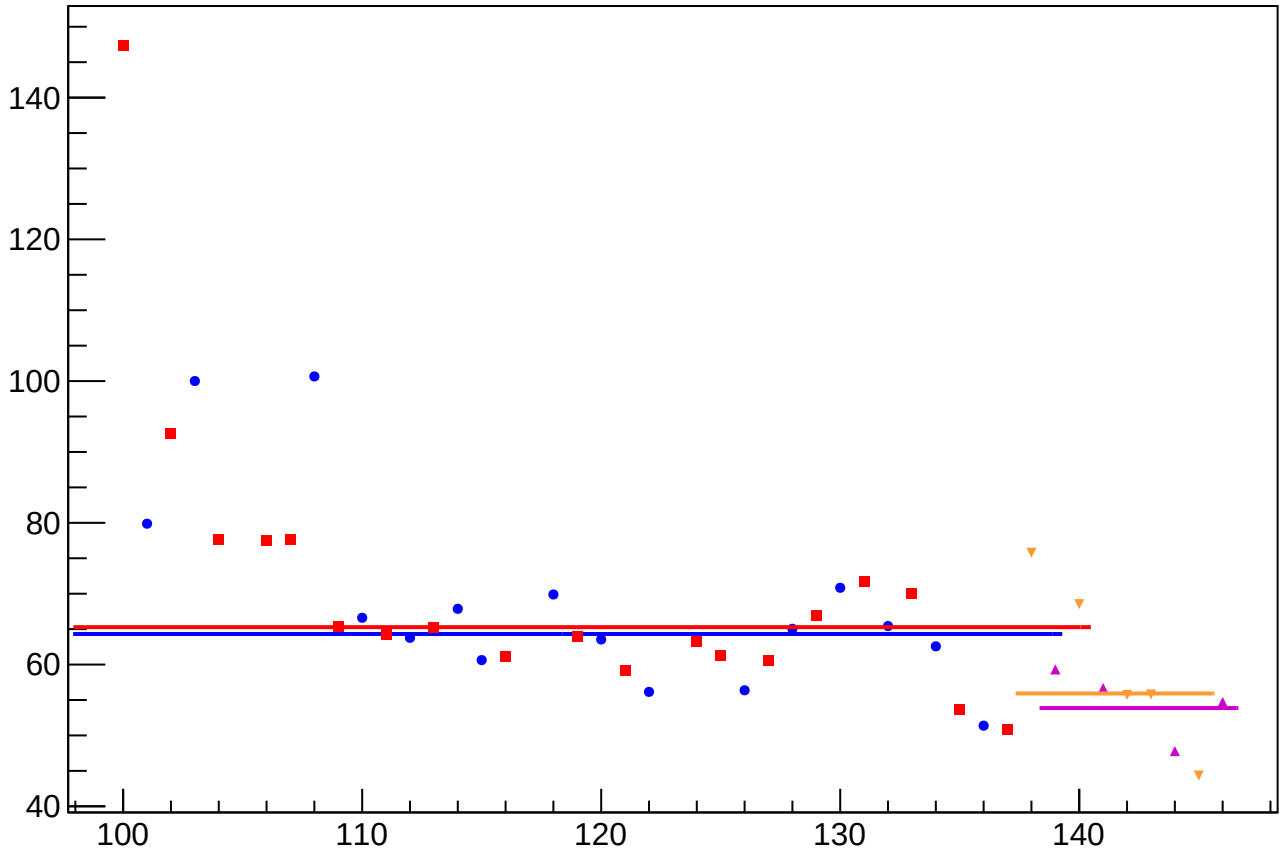
Left: -16.535+/-21.062 χ^2/NDF: 8.4/8

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 21.098+/-18.847 χ^2/NDF:20.5/19

Out: 2.554+/-18.911 χ^2/NDF:29.6/23

All: 11.858+/-13.349 χ^2/NDF: 50.6/43



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 55.919+/-0.021 χ^2/NDF:265021.0/4

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 53.864+/-0.021 χ^2/NDF:46397.1/3

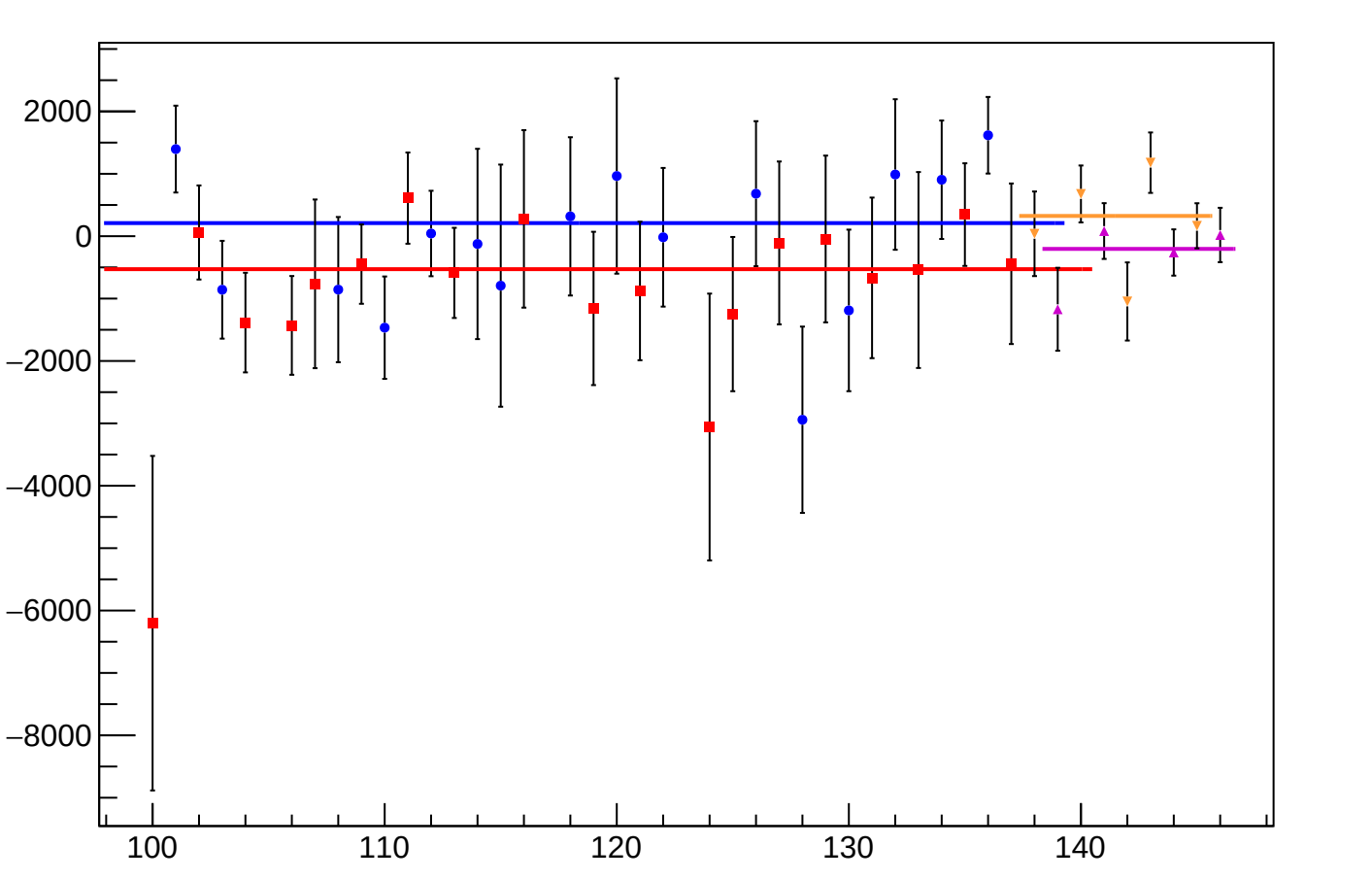
Left: 54.872+/-0.015 χ^2/NDF: 316176.4/8

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 60.053+/-0.013 χ^2/NDF:659931.0/19

Out: 61.575+/-0.013 χ^2/NDF:701265.3/23

All: 60.812+/-0.009 χ^2/NDF: 1367695.7/43



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 324.553+/-215.913 χ^2/NDF:8.9/4

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -203.735+/-224.625 χ^2/NDF:2.8/3

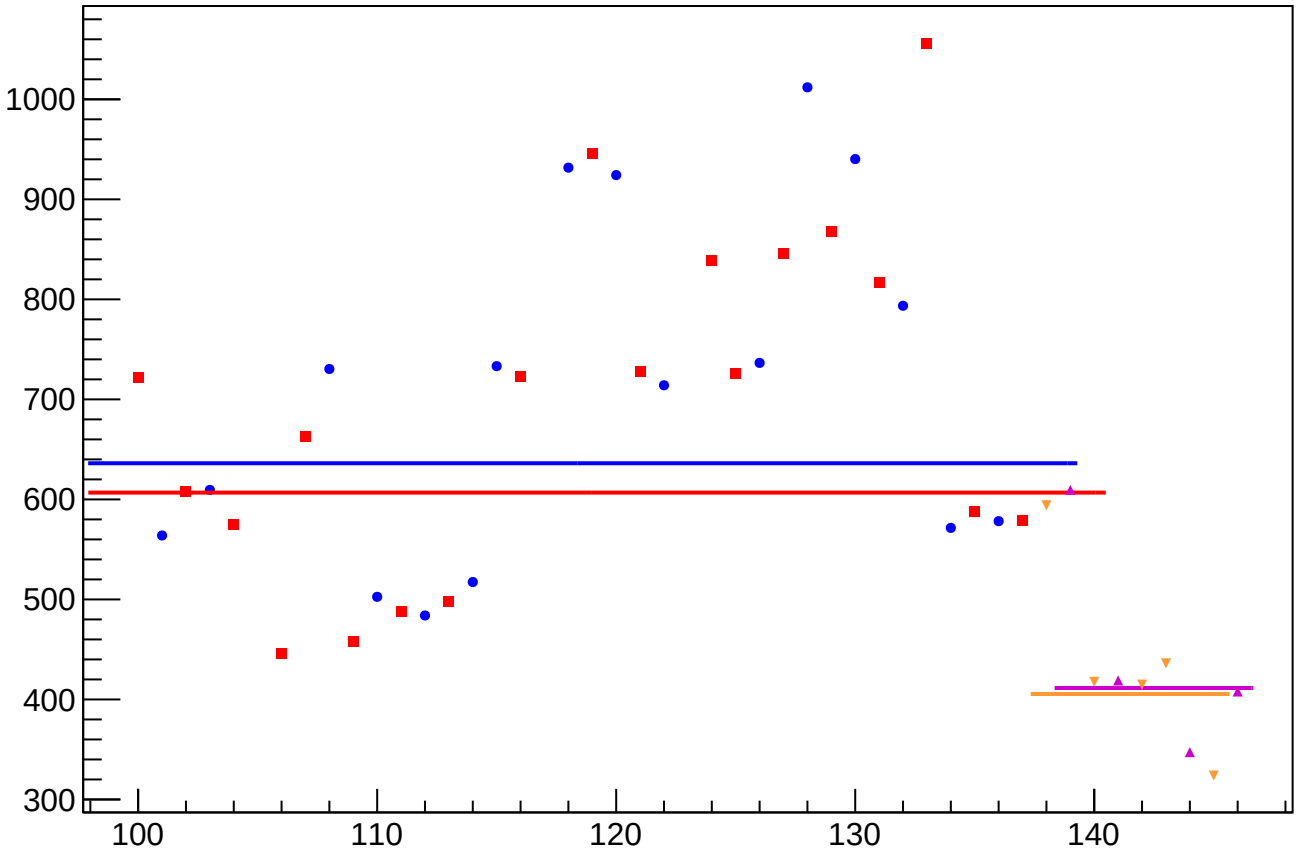
Left: 70.852+/-155.662 χ^2/NDF: 14.6/8

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -13.766+/-165.196 χ^2/NDF:26.8/19

Out: -75.727+/-157.315 χ^2/NDF:30.0/23

All: -46.260+/-113.923 χ^2/NDF: 56.9/43



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 405.441+/-0.153 χ^2/NDF:266591.1/4

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 411.464+/-0.159 χ^2/NDF:238057.4/3

Left: 408.333+/-0.110 χ^2/NDF: 505395.8/8

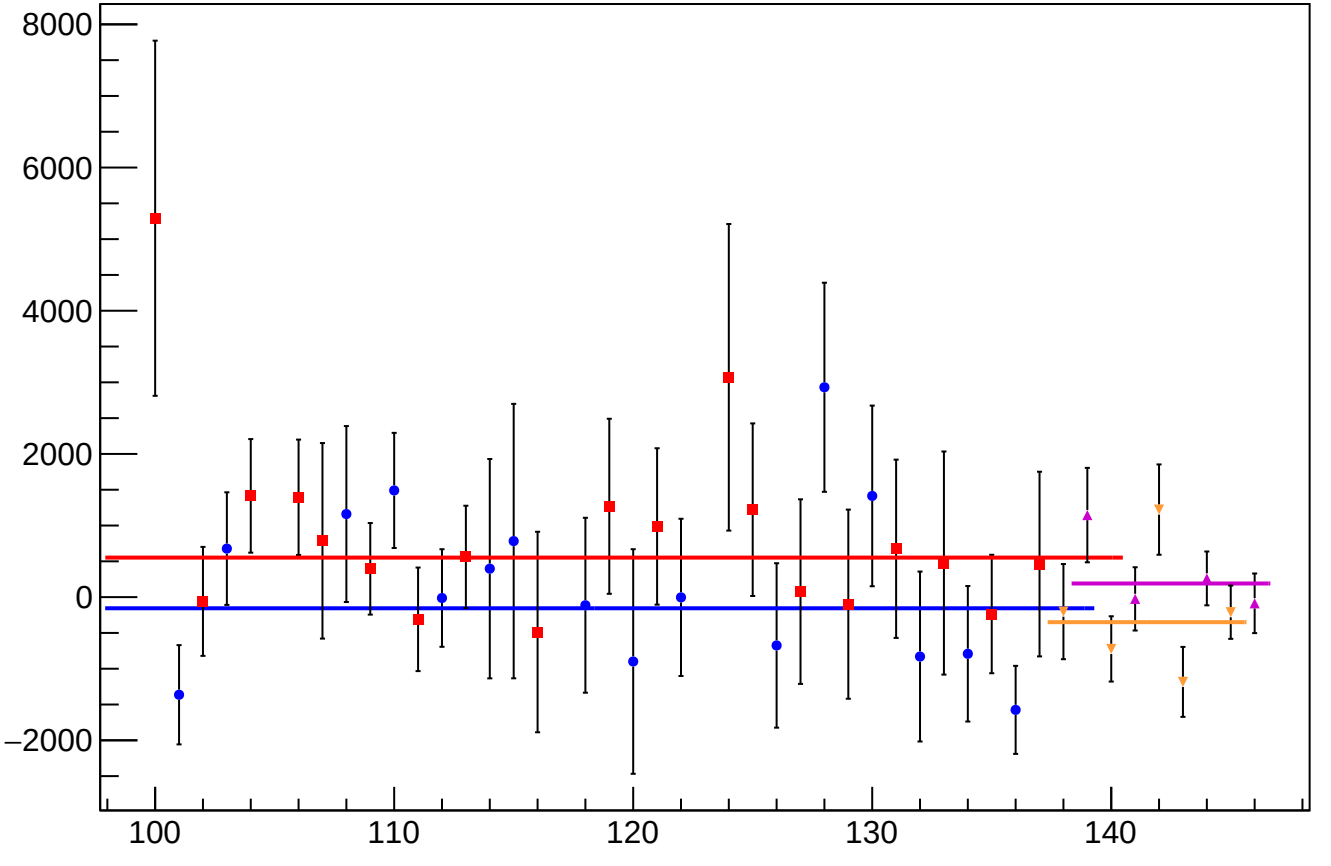
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 514.623+/-0.117 χ^2/NDF:1862024.9/19

Out: 499.907+/-0.111 χ^2/NDF:1976534.3/23

All: 506.905+/-0.081 χ^2/NDF: 3846882.1/43

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -349.737+/-218.236 χ^2/NDF:10.0/4

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 190.481+/-222.158 χ^2/NDF:2.8/3

Left: -84.438+/-155.684 χ^2/NDF: 15.8/8

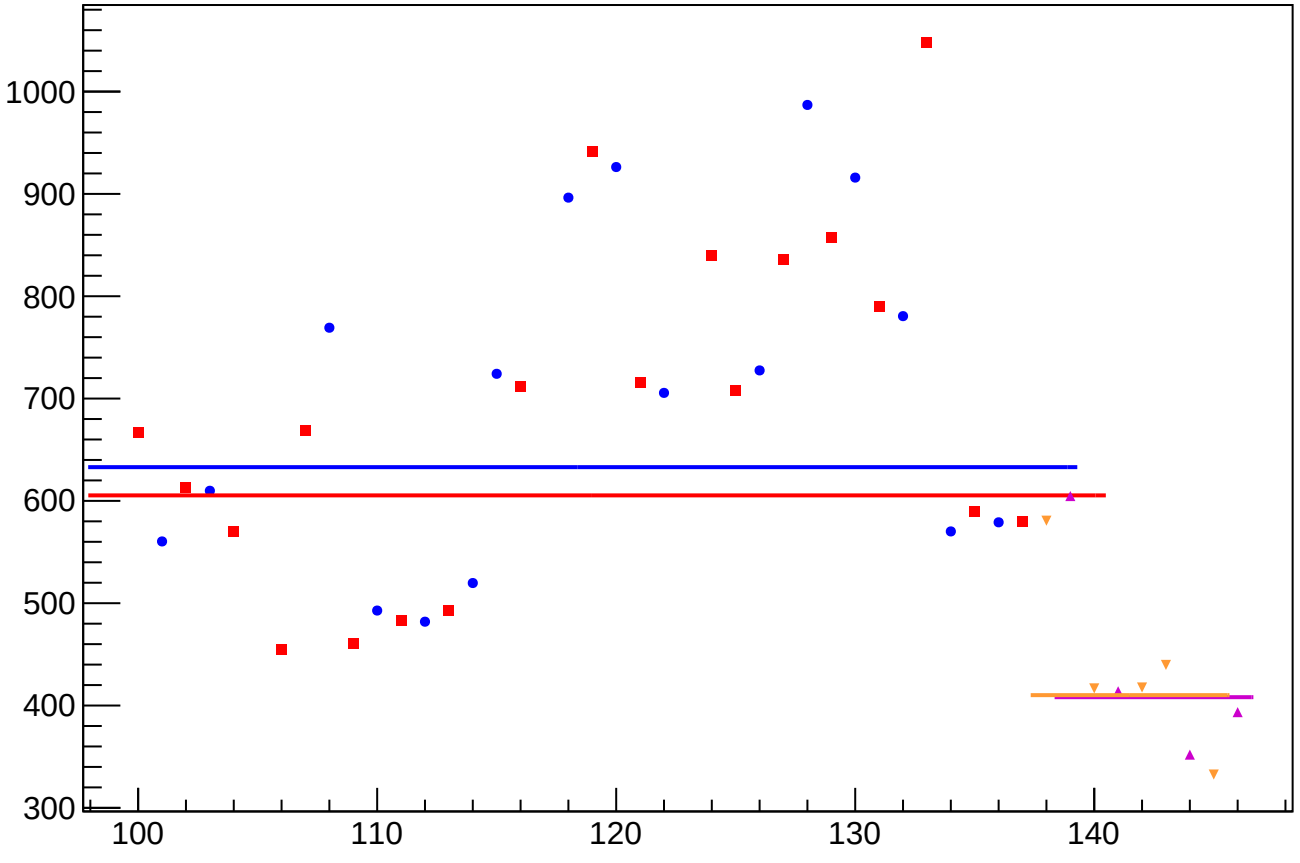
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 32.607+/-163.839 χ^2/NDF:26.4/19

Out: 79.742+/-157.948 χ^2/NDF:30.3/23

All: 57.037+/-113.712 χ^2/NDF: 56.7/43

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 410.156+/-0.154 χ^2/NDF:226559.0/4

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 408.163+/-0.157 χ^2/NDF:225045.0/3

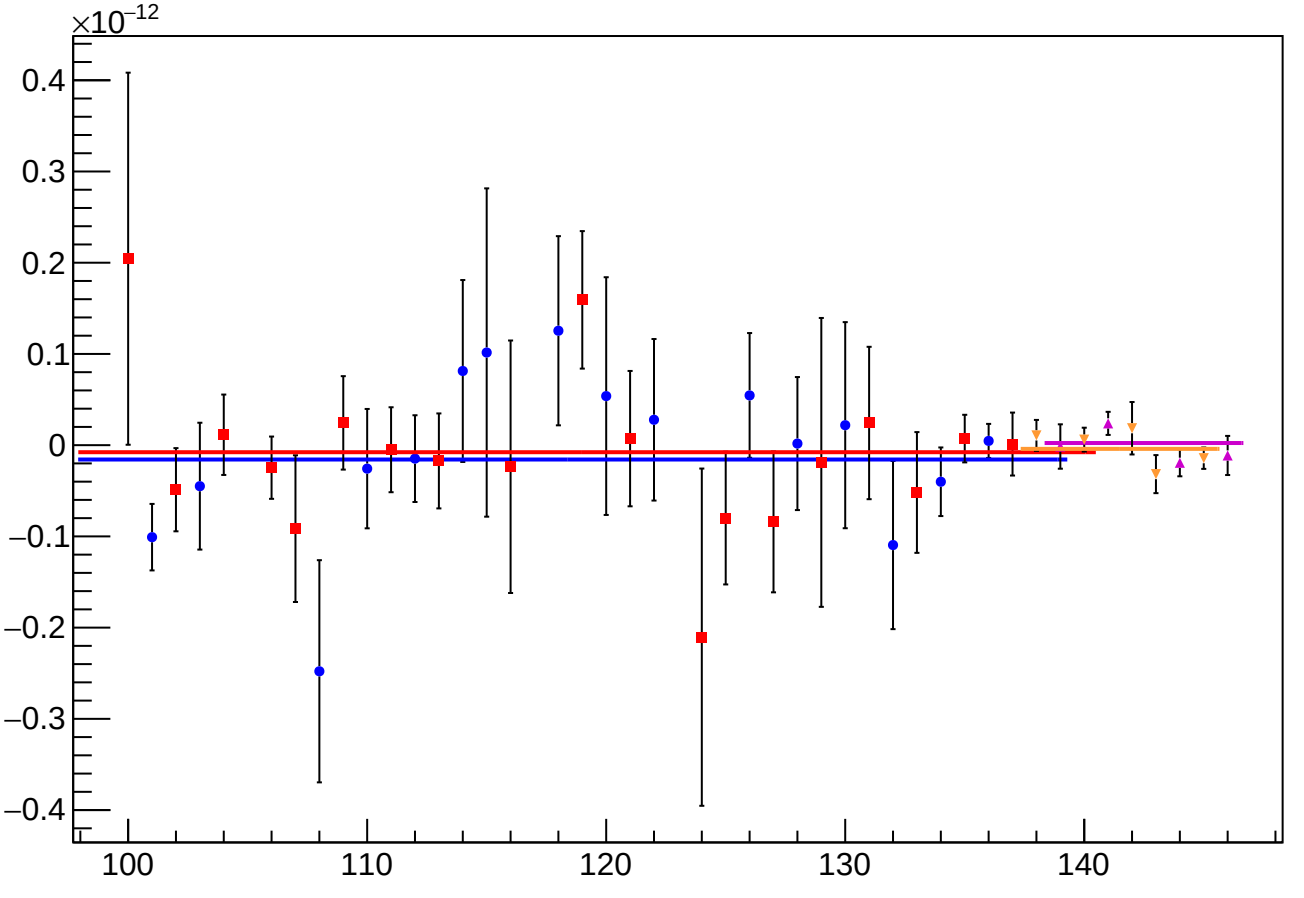
Left: 409.177+/-0.110 χ^2/NDF: 451685.9/8

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 510.698+/-0.116 χ^2/NDF:1840260.6/19

Out: 503.116+/-0.112 χ^2/NDF:1842615.3/23

All: 506.768+/-0.080 χ^2/NDF: 3685096.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/3

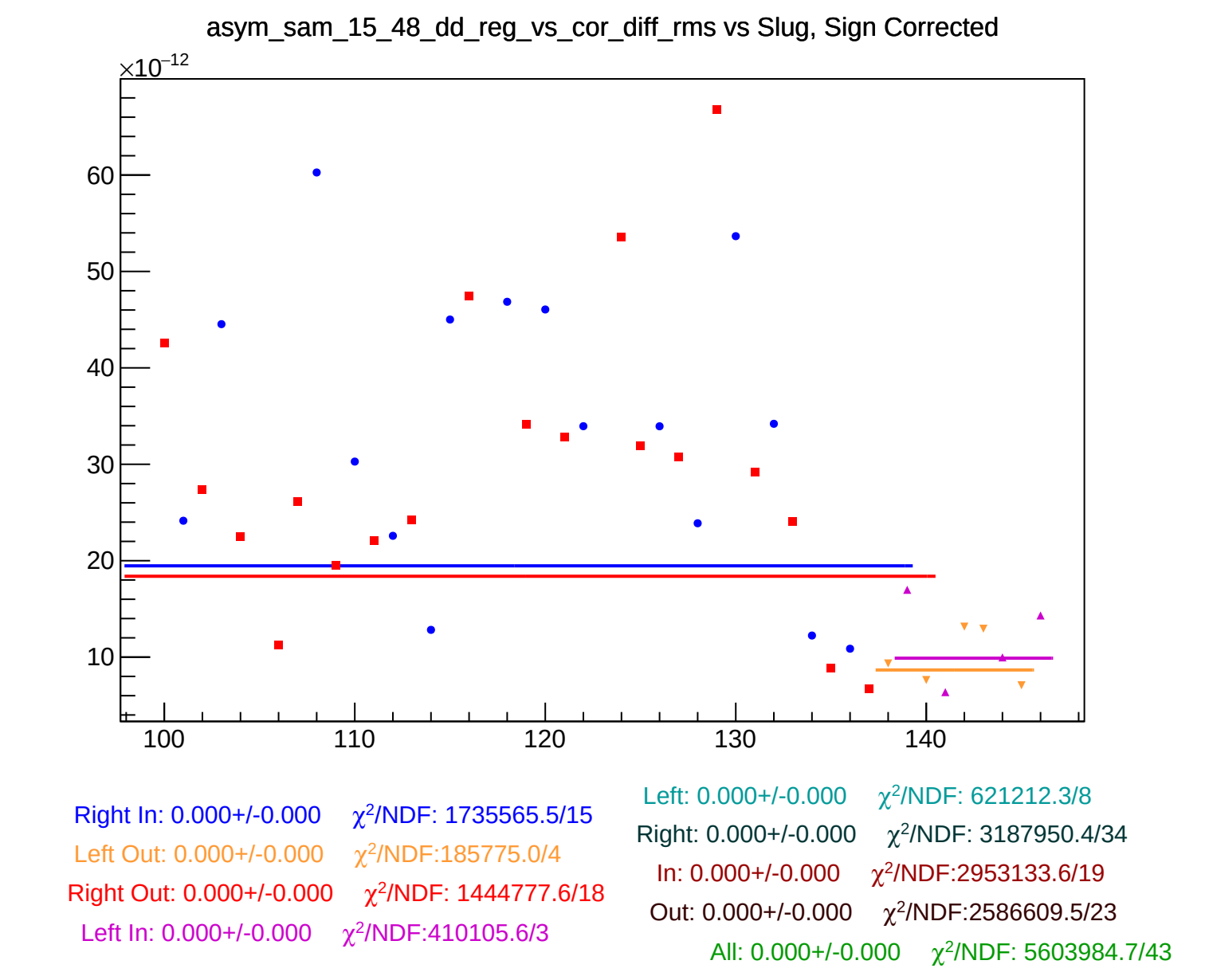
Left: -0.000+/-0.000 χ^2/NDF: 10.3/8

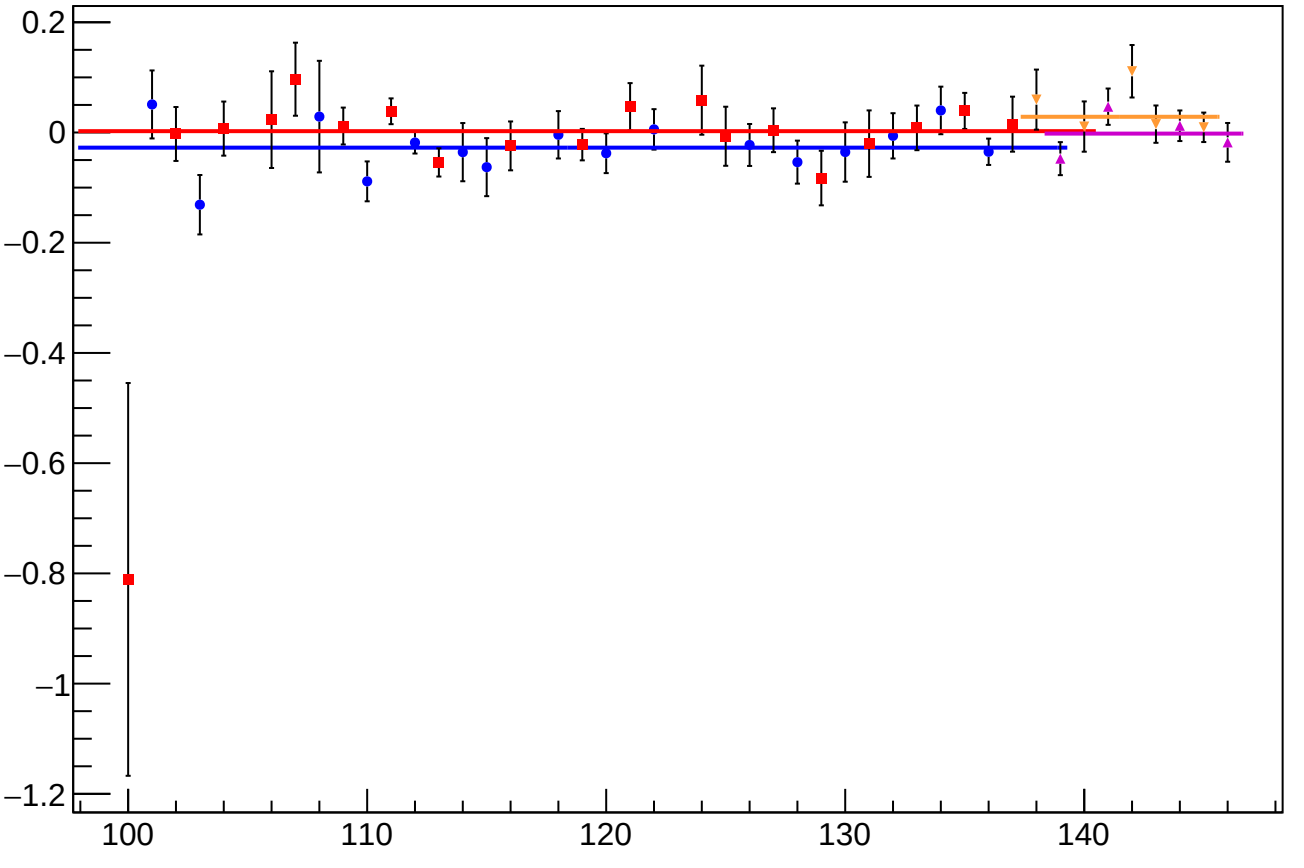
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: -0.000+/-0.000 χ^2/NDF:23.8/19

Out: -0.000+/-0.000 χ^2/NDF:17.5/23

All: -0.000+/-0.000 χ^2/NDF: 41.4/43


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
Right In: 0.000+/-0.000 χ²/NDF: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:185775.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:410105.6/3
Left: 0.000+/-0.000 χ²/NDF: 621212.3/8
Right: 0.000+/-0.000 χ²/NDF: 3187950.4/34
In: 0.000+/-0.000 χ²/NDF:2953133.6/19
Out: 0.000+/-0.000 χ²/NDF:2586609.5/23
All: 0.000+/-0.000 χ²/NDF: 5603984.7/43



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.029+/-0.017 χ^2/NDF:4.2/4

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.016 χ^2/NDF:5.0/3

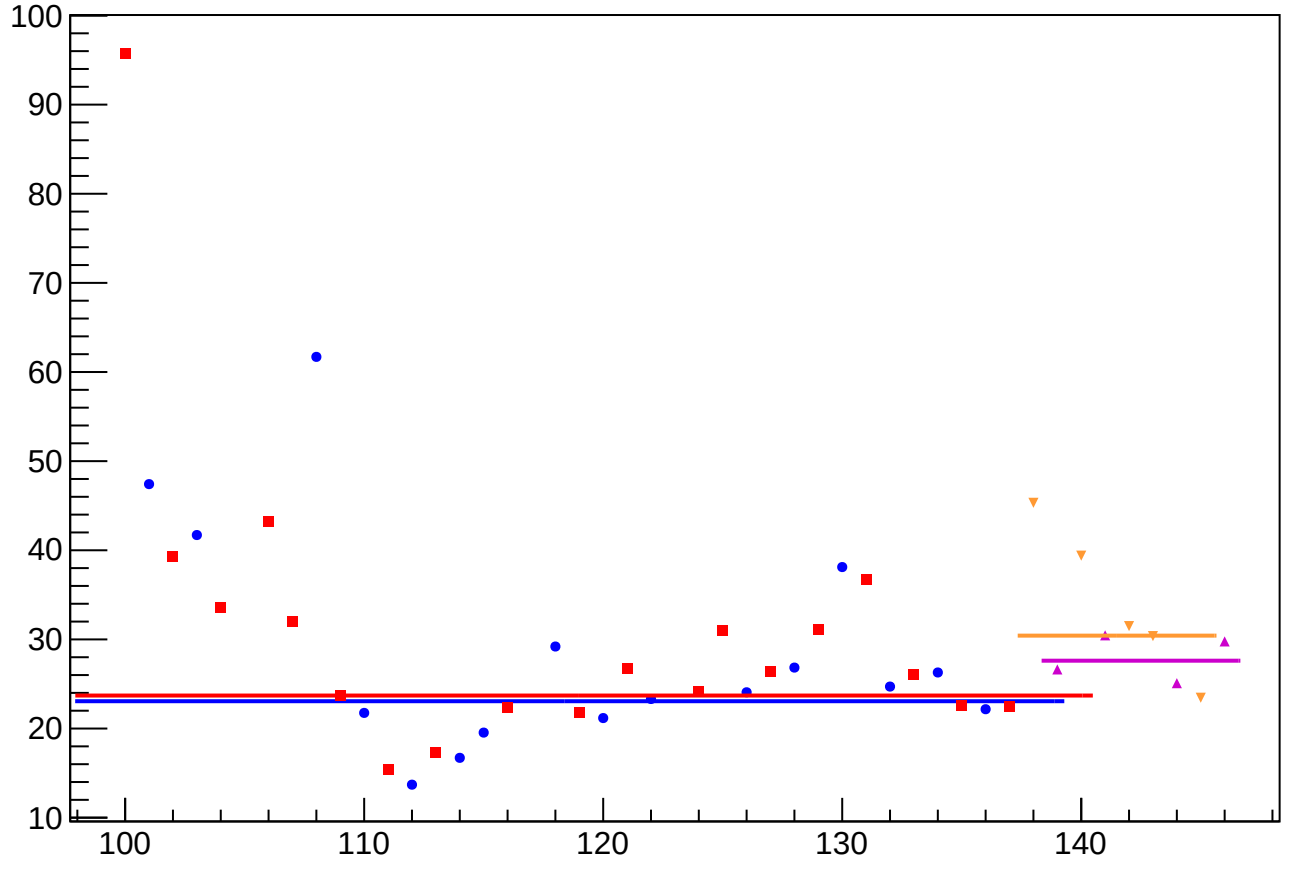
Left: 0.012+/-0.011 χ^2/NDF: 10.9/8

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/19

Out: 0.009+/-0.008 χ^2/NDF:28.1/23

All: -0.006+/-0.006 χ^2/NDF: 55.2/43



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 30.424+/-0.012 χ^2/NDF:363807.9/4

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.612+/-0.011 χ^2/NDF:41153.1/3

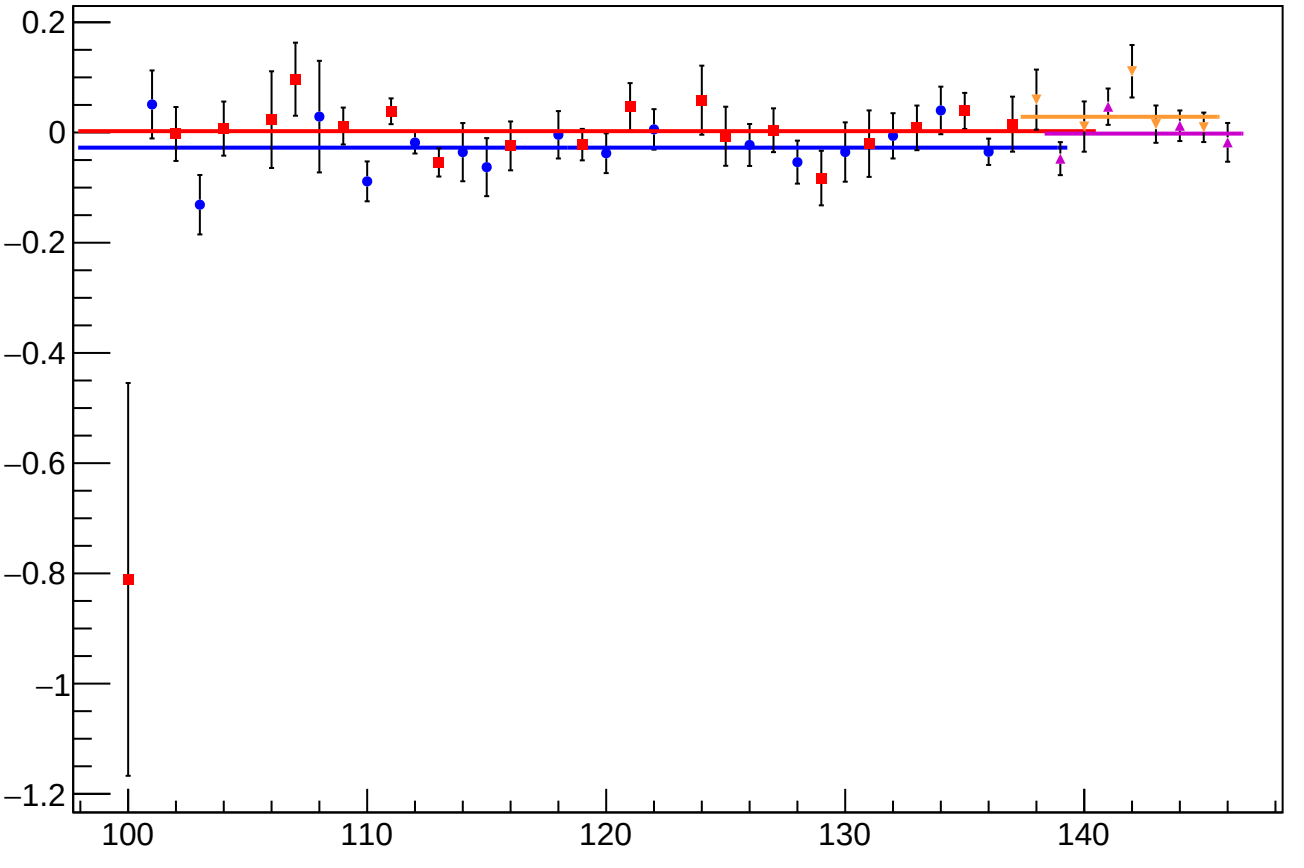
Left: 28.906+/-0.008 χ^2/NDF: 435112.5/8

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.283+/-0.006 χ^2/NDF:1731070.5/19

Out: 25.272+/-0.006 χ^2/NDF:1696788.4/23

All: 24.772+/-0.004 χ^2/NDF: 3442827.3/43



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.029+/-0.017 χ^2/NDF:4.2/4

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.016 χ^2/NDF:5.0/3

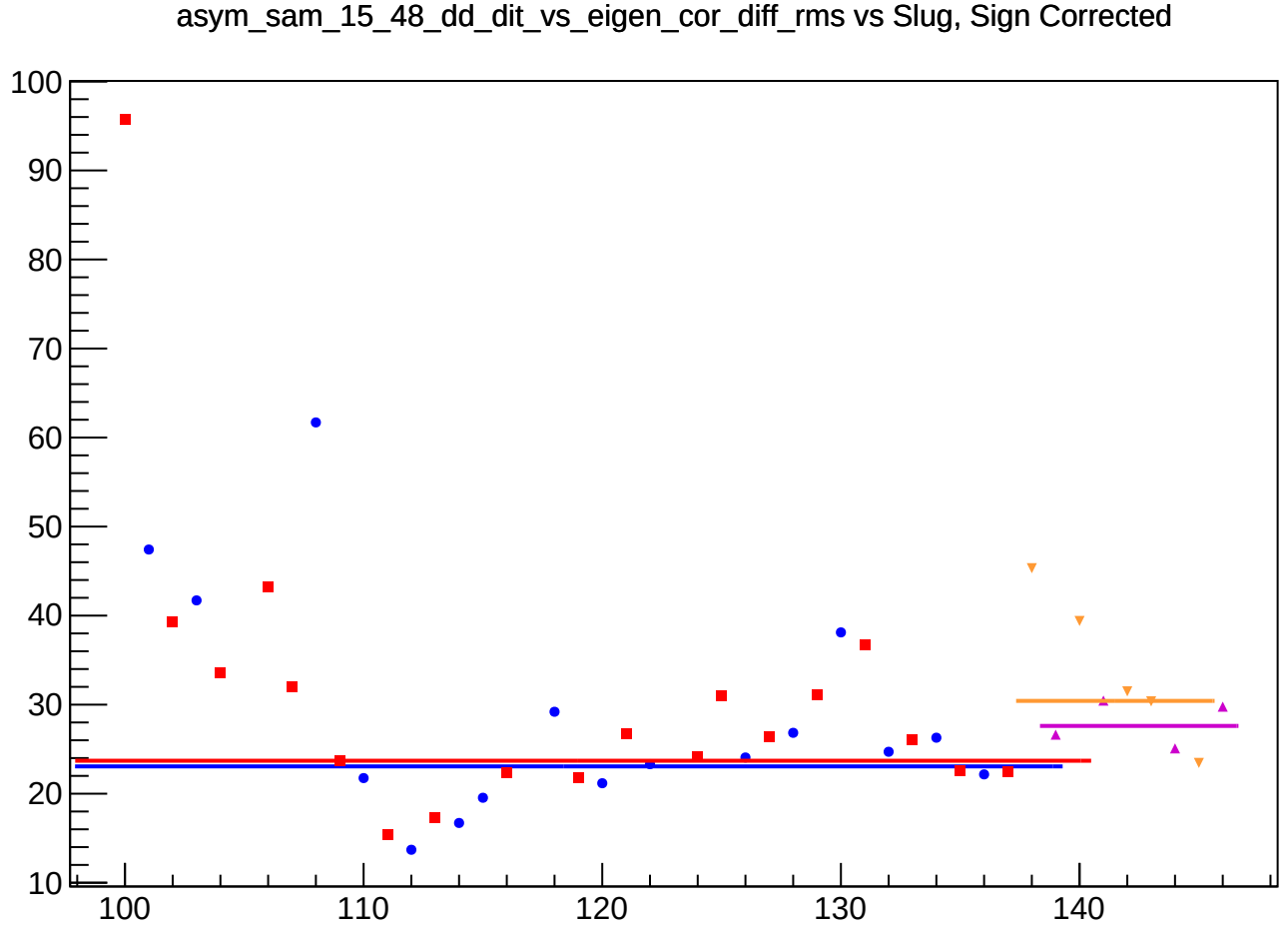
Left: 0.012+/-0.011 χ^2/NDF: 10.9/8

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/19

Out: 0.009+/-0.008 χ^2/NDF:28.1/23

All: -0.006+/-0.006 χ^2/NDF: 55.2/43



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 30.424+/-0.012 χ^2/NDF:363807.9/4

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.612+/-0.011 χ^2/NDF:41153.1/3

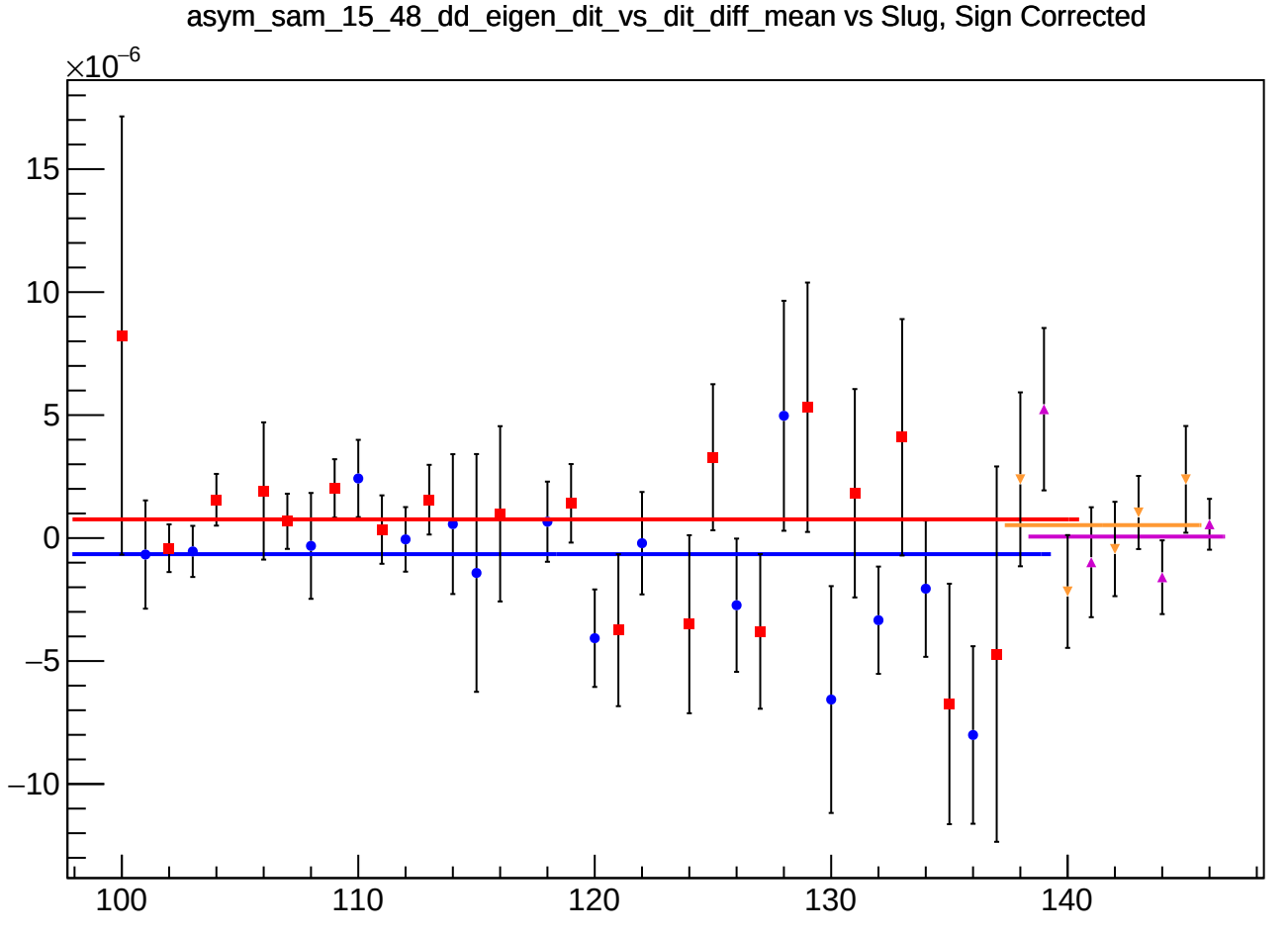
Left: 28.906+/-0.008 χ^2/NDF: 435112.5/8

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.283+/-0.006 χ^2/NDF:1731070.5/19

Out: 25.272+/-0.006 χ^2/NDF:1696788.4/23

All: 24.772+/-0.004 χ^2/NDF: 3442827.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/4

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

Left In: 0.000+/-0.000 χ^2/NDF:4.1/3

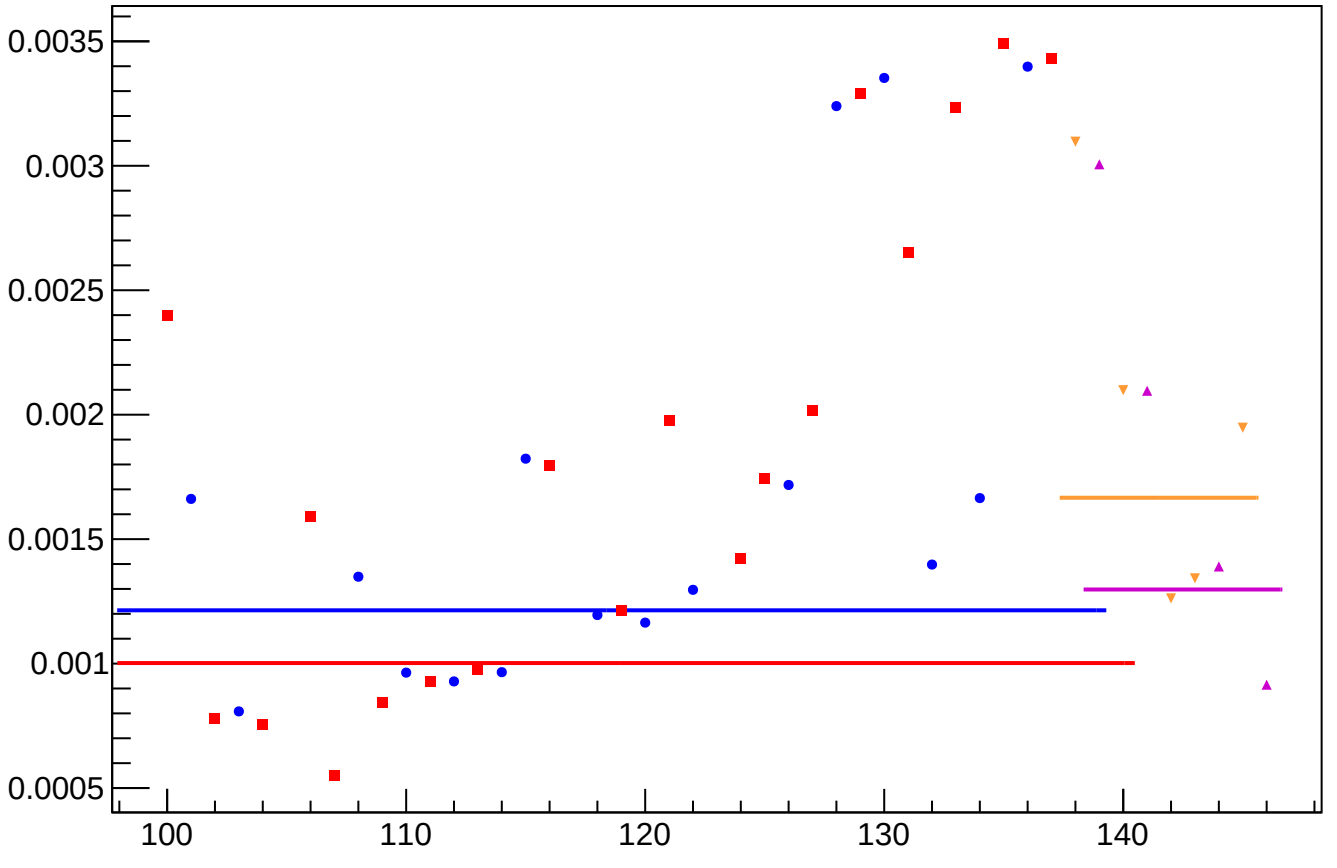
Left: 0.000+/-0.000 χ^2/NDF: 7.1/8

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:22.3/19

Out: 0.000+/-0.000 χ^2/NDF:18.0/23

All: 0.000+/-0.000 χ^2/NDF: 44.5/43



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:615601.8/4

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1071873.9/3

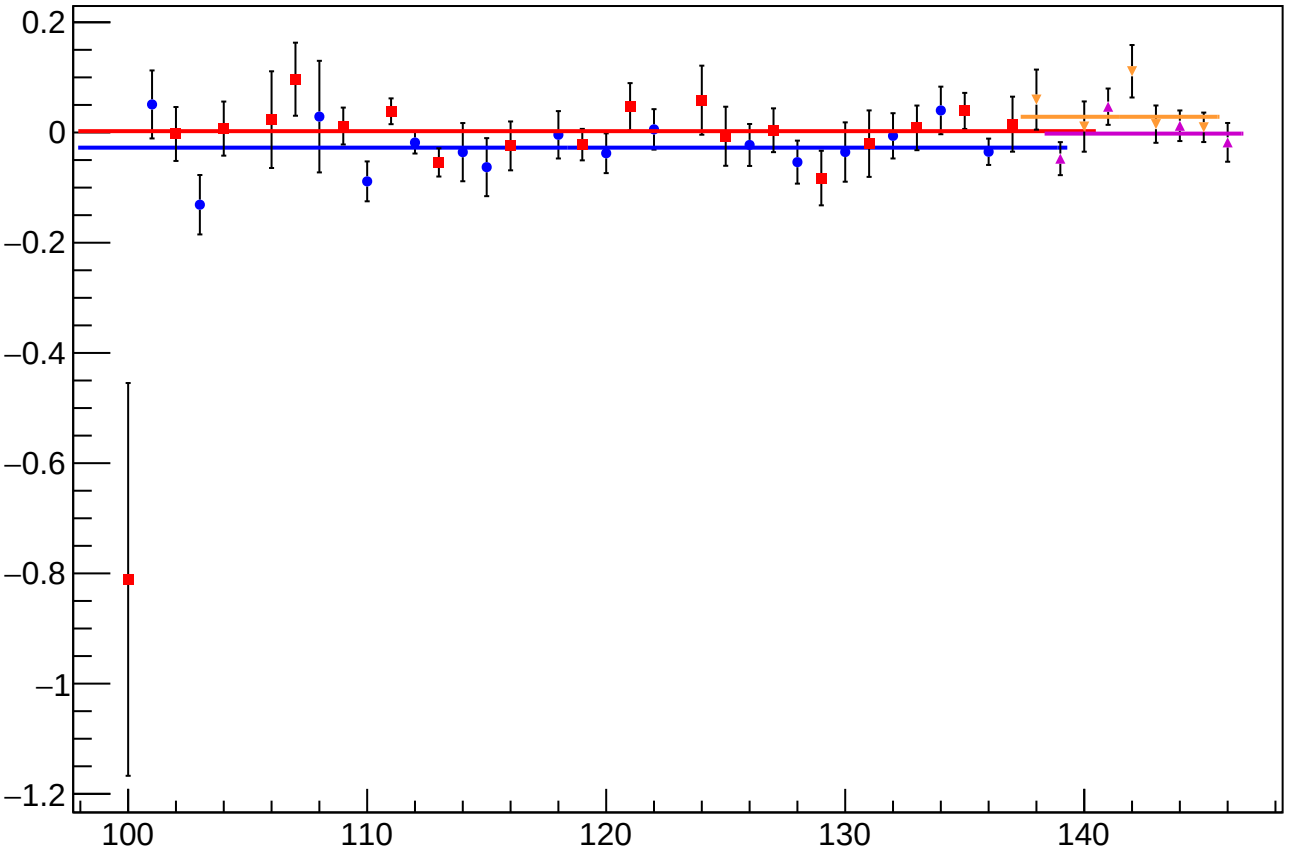
Left: 0.001+/-0.000 χ^2/NDF: 1878017.8/8

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:3355789.2/19

Out: 0.001+/-0.000 χ^2/NDF:4771341.3/23

All: 0.001+/-0.000 χ^2/NDF: 8217410.6/43



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.029+/-0.017 χ^2/NDF:4.2/4

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.016 χ^2/NDF:5.0/3

Left: 0.012+/-0.011 χ^2/NDF: 10.9/8

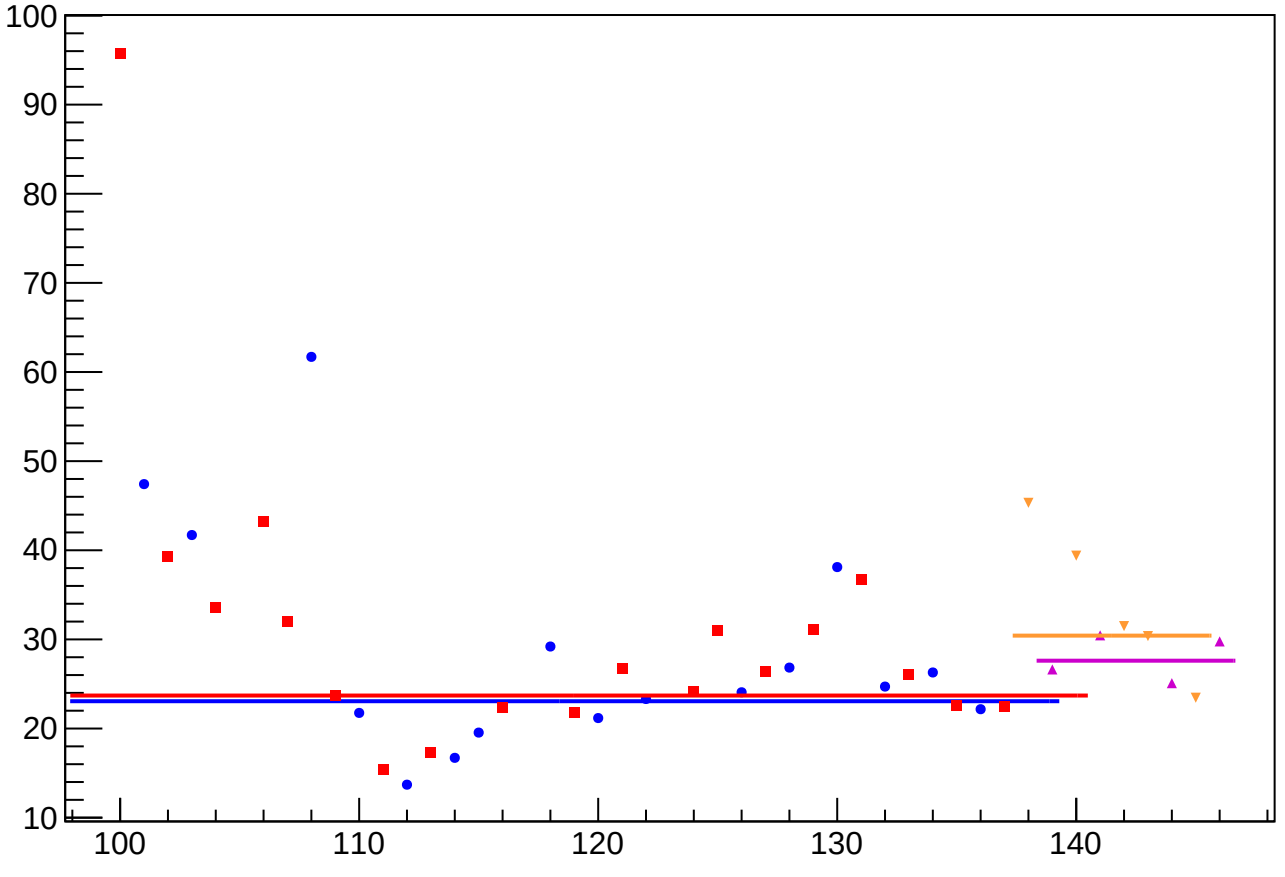
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/19

Out: 0.009+/-0.008 χ^2/NDF:28.1/23

All: -0.006+/-0.006 χ^2/NDF: 55.2/43

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: 30.425+/-0.012 χ^2/NDF:363757.0/4

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.612+/-0.011 χ^2/NDF:41155.1/3

Left: 28.906+/-0.008 χ^2/NDF: 435074.1/8

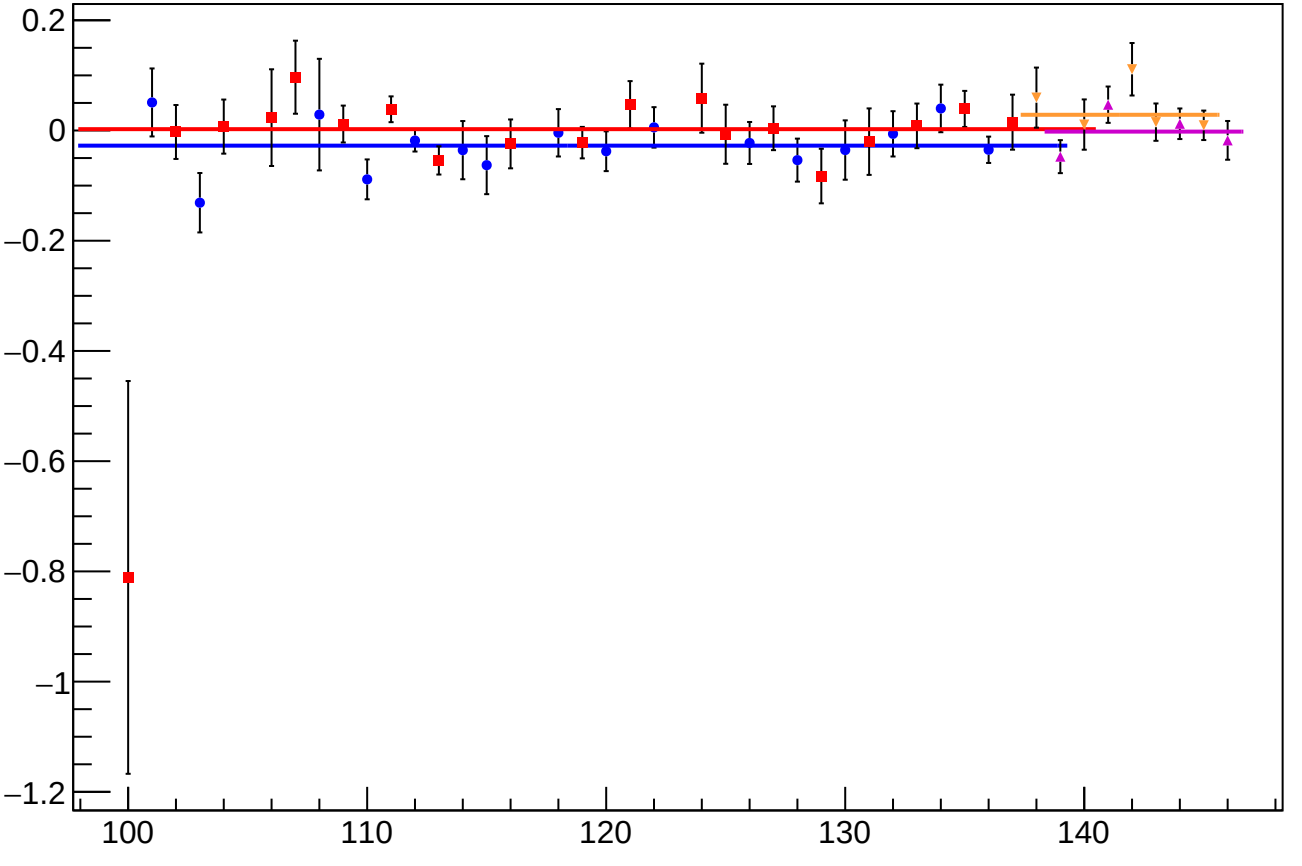
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.283+/-0.006 χ^2/NDF:1731098.9/19

Out: 25.272+/-0.006 χ^2/NDF:1696826.3/23

All: 24.772+/-0.004 χ^2/NDF: 3442895.0/43

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: 0.029+/-0.017 χ^2/NDF:4.2/4

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.016 χ^2/NDF:5.0/3

Left: 0.012+/-0.011 χ^2/NDF: 10.9/8

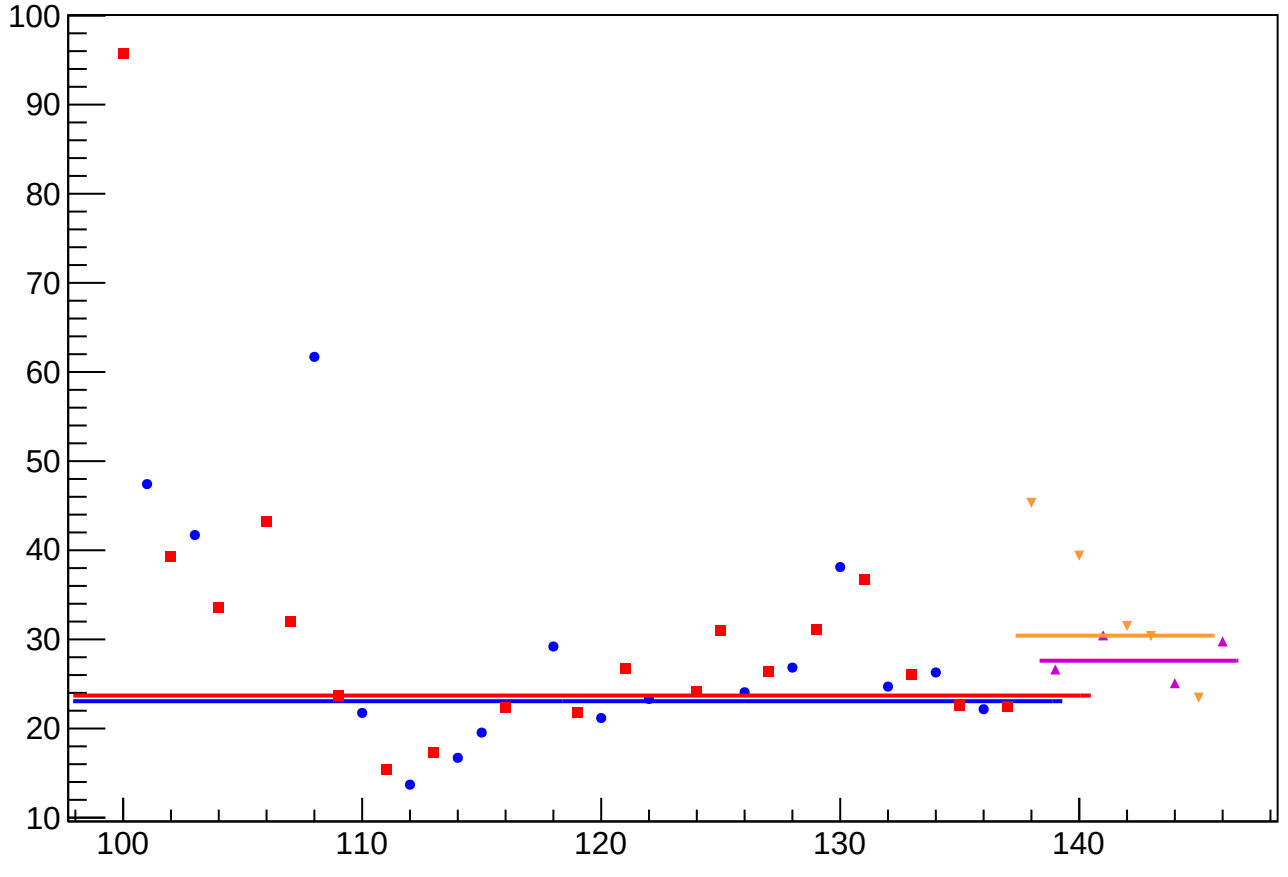
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/19

Out: 0.009+/-0.008 χ^2/NDF:28.1/23

All: -0.006+/-0.006 χ^2/NDF: 55.2/43

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: 30.425+/-0.012 χ^2/NDF:363757.0/4

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.612+/-0.011 χ^2/NDF:41155.1/3

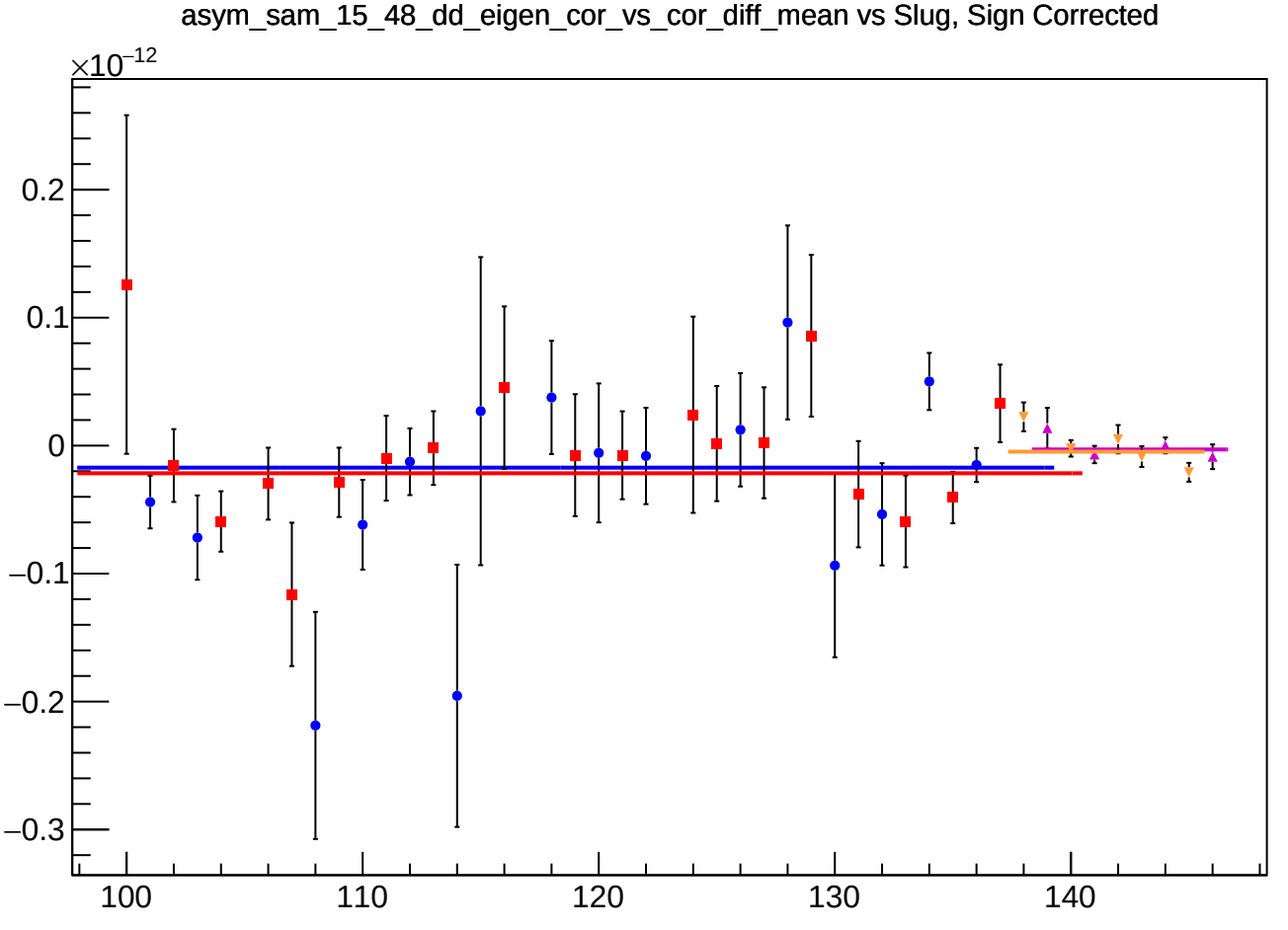
Left: 28.906+/-0.008 χ^2/NDF: 435074.1/8

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.283+/-0.006 χ^2/NDF:1731098.9/19

Out: 25.272+/-0.006 χ^2/NDF:1696826.3/23

All: 24.772+/-0.004 χ^2/NDF: 3442895.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/3

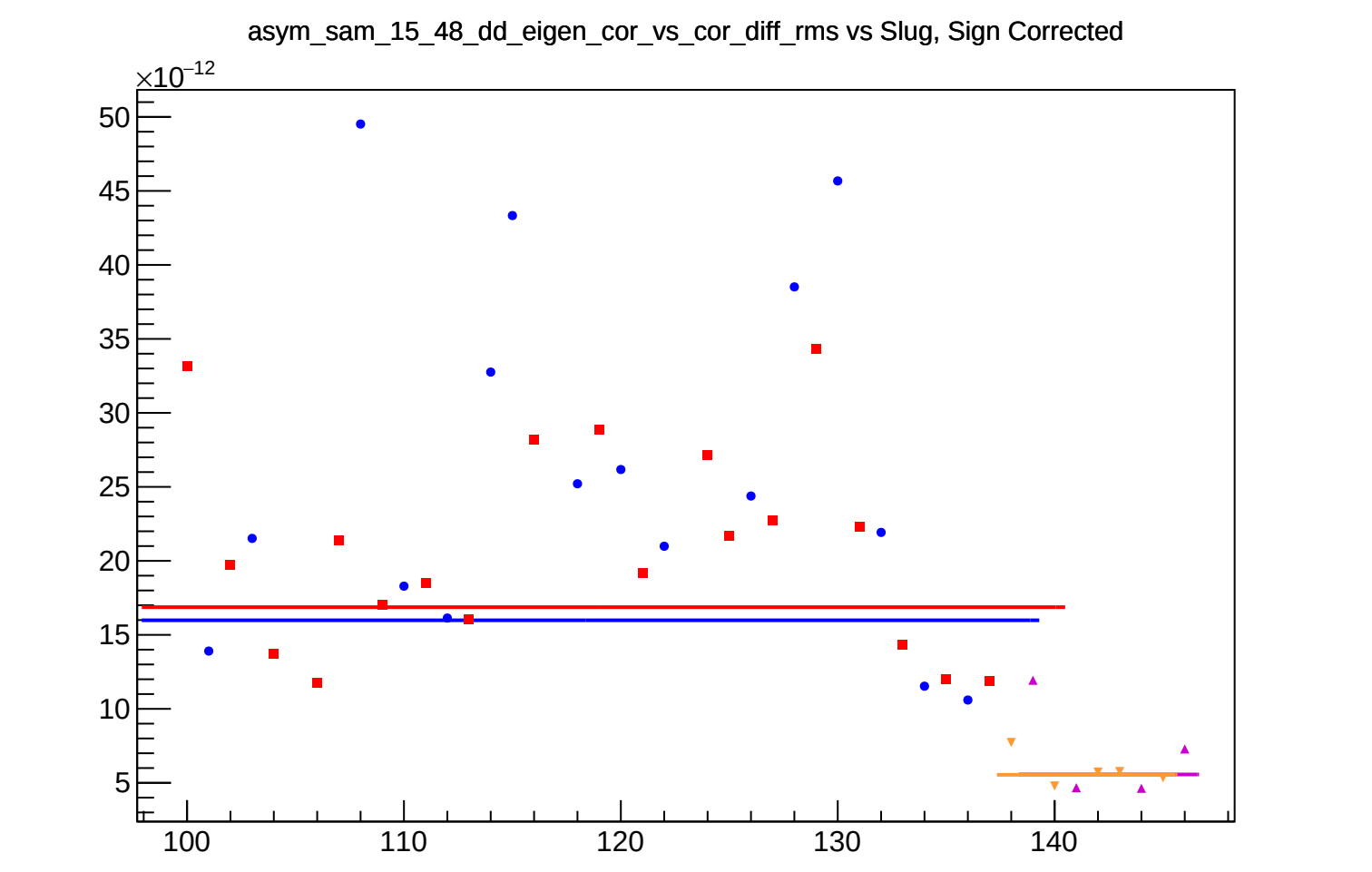
Left: -0.000+/-0.000 χ^2/NDF: 13.9/8

Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:34.5/19

Out: -0.000+/-0.000 χ^2/NDF:33.5/23

All: -0.000+/-0.000 χ^2/NDF: 68.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:105785.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:465202.3/3

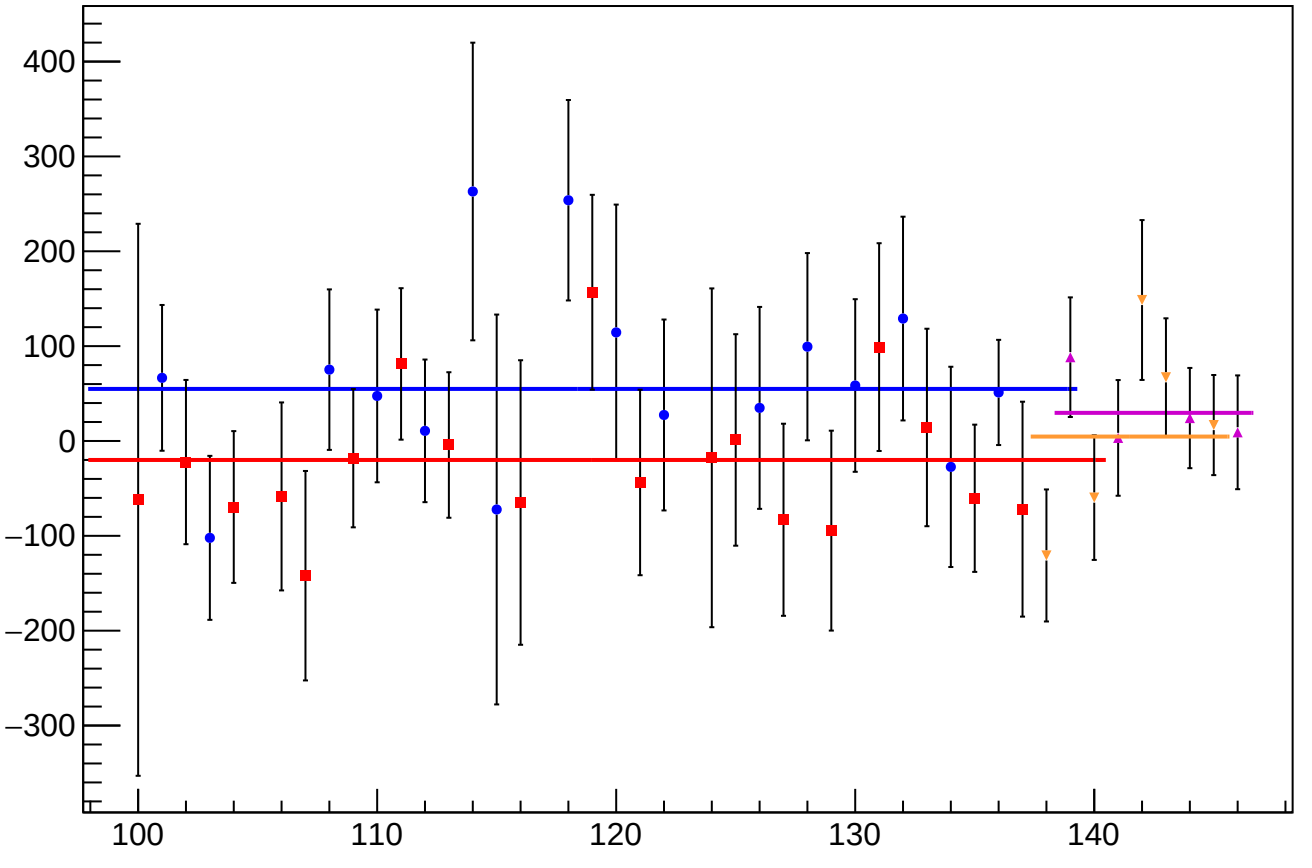
Left: 0.000+/-0.000 χ^2/NDF: 571021.1/8

Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:5074521.7/19

Out: 0.000+/-0.000 χ^2/NDF:4324931.9/23

All: 0.000+/-0.000 χ^2/NDF: 9402355.7/43



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 4.651+/-28.909 χ^2/NDF:8.2/4

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 29.646+/-29.408 χ^2/NDF:1.2/3

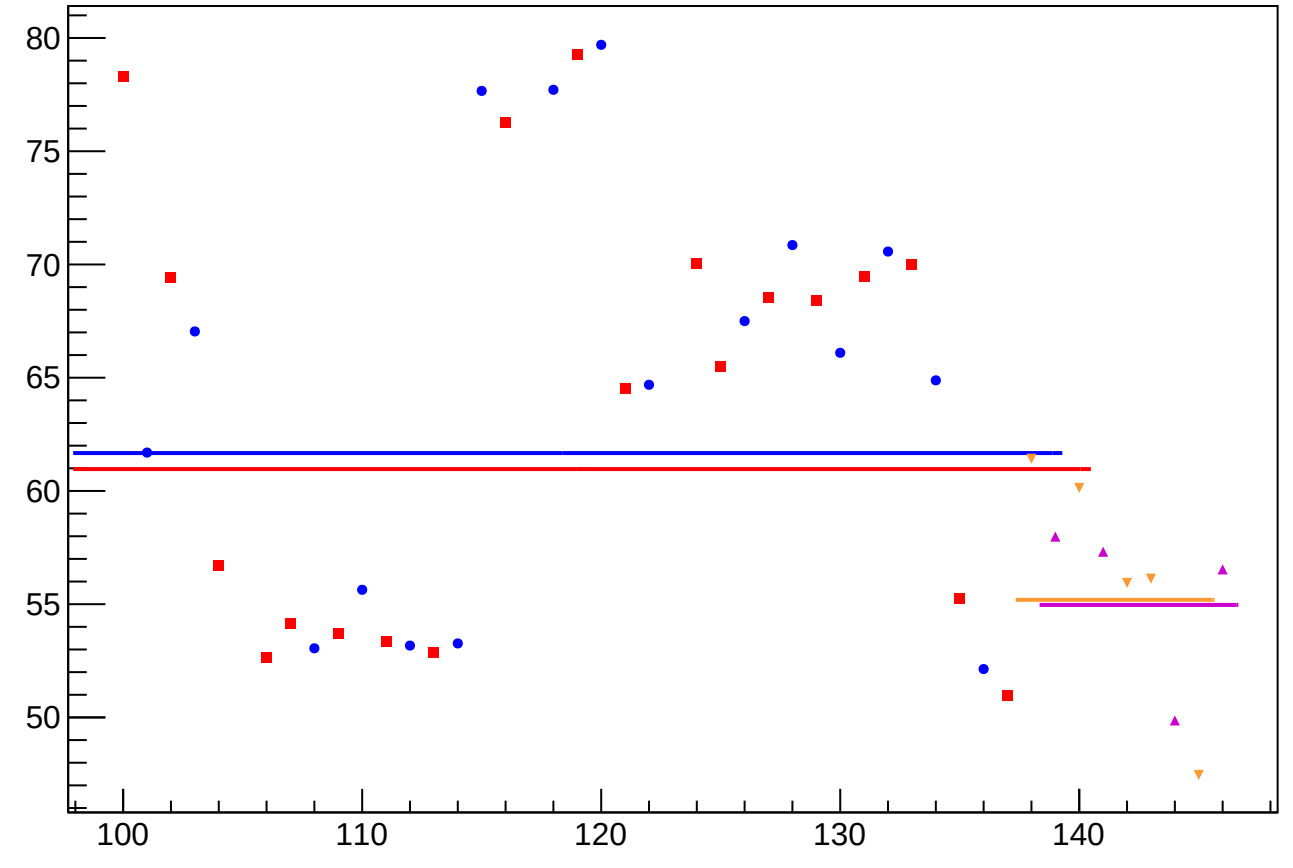
Left: 16.935+/-20.616 χ^2/NDF: 9.7/8

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 45.212+/-18.204 χ^2/NDF:12.7/19

Out: -10.676+/-17.791 χ^2/NDF:17.9/23

All: 16.627+/-12.724 χ^2/NDF: 35.3/43



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 55.193+/-0.020 χ^2/NDF:70864.7/4

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

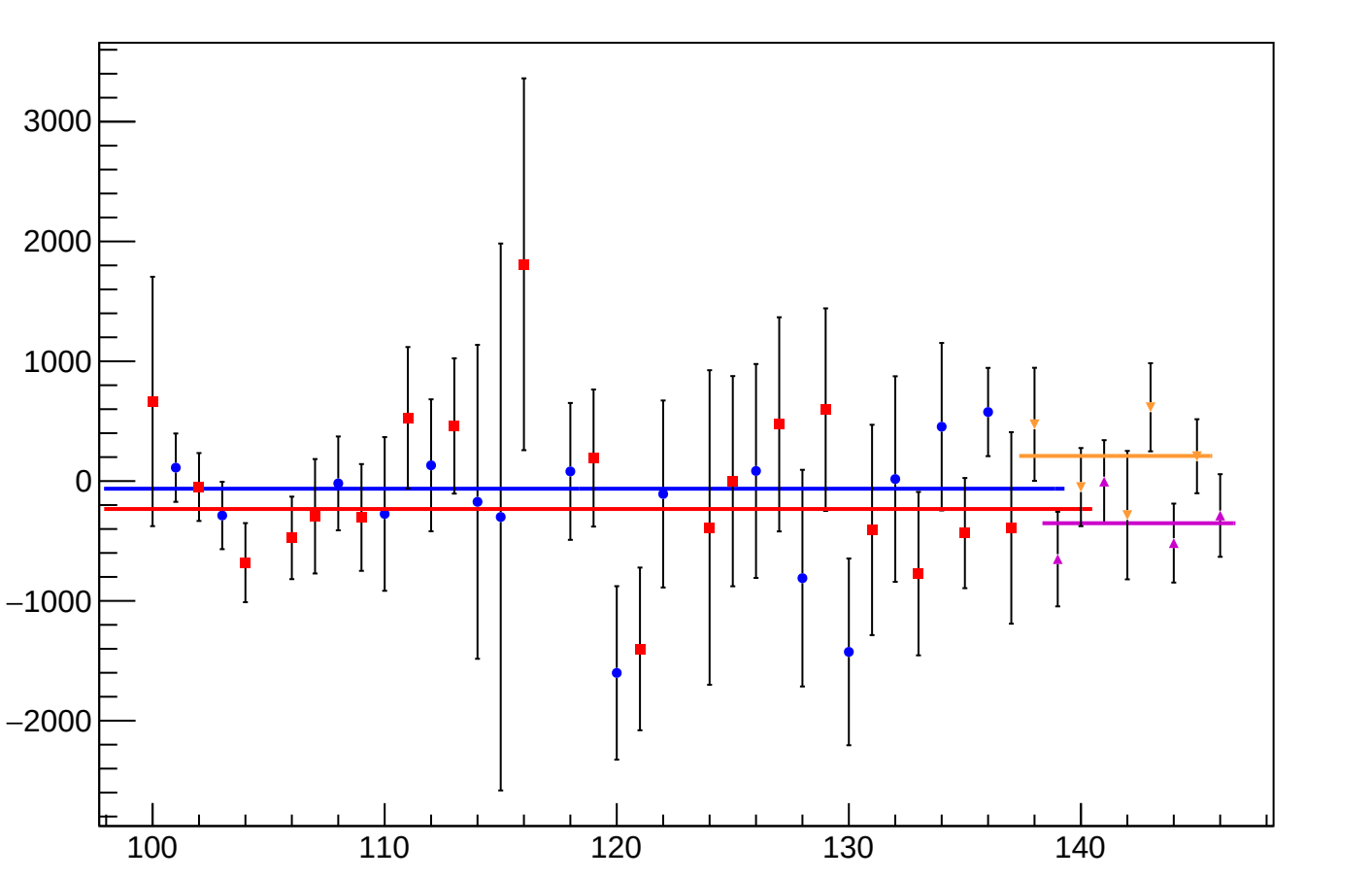
Left: 55.082+/-0.015 χ^2/NDF: 98465.6/8

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 59.104+/-0.013 χ^2/NDF:358781.6/19

Out: 58.780+/-0.013 χ^2/NDF:404605.1/23

All: 58.938+/-0.009 χ^2/NDF: 763709.9/43



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 209.711+/-168.441 χ^2/NDF:3.0/4

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -351.755+/-175.665 χ^2/NDF:1.9/3

Left: -59.240+/-121.579 χ^2/NDF: 10.2/8

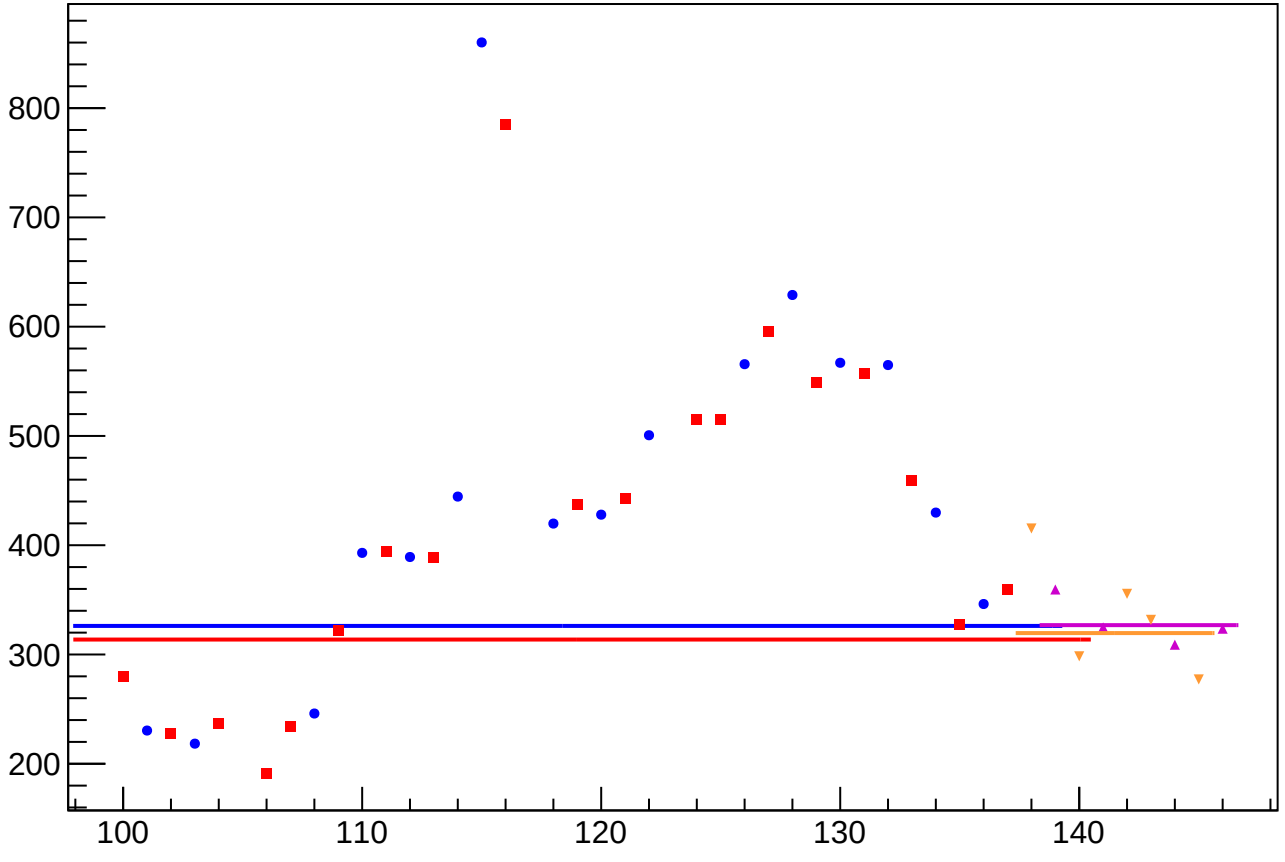
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -165.390+/-104.328 χ^2/NDF:16.8/19

Out: -79.509+/-99.225 χ^2/NDF:22.0/23

All: -120.298+/-71.899 χ^2/NDF: 39.2/43

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 319.594+/-0.119 χ^2/NDF:139638.4/4

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 326.860+/-0.124 χ^2/NDF:19826.5/3

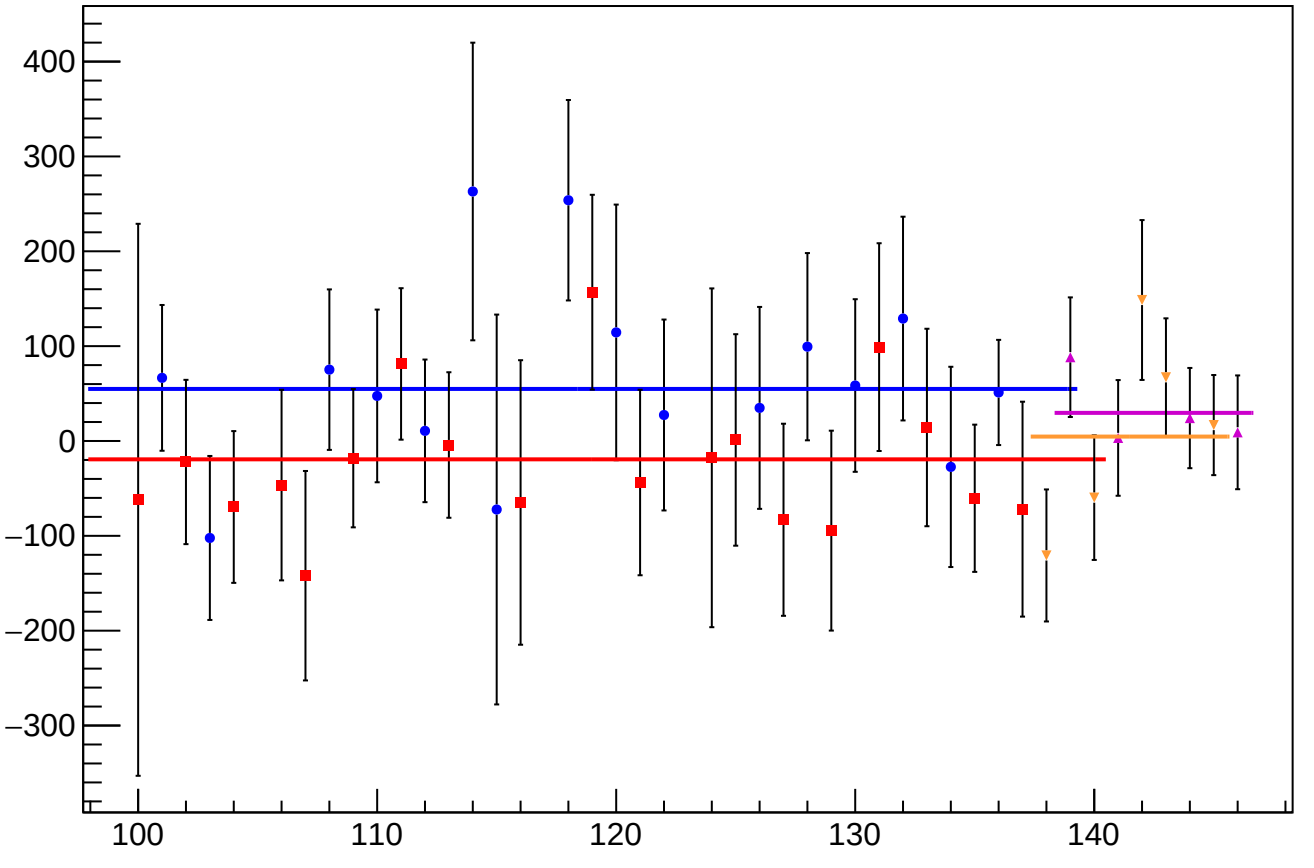
Left: 323.075+/-0.086 χ^2/NDF: 161247.8/8

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 326.399+/-0.074 χ^2/NDF:1753843.3/19

Out: 315.727+/-0.070 χ^2/NDF:1928599.8/23

All: 320.796+/-0.051 χ^2/NDF: 3693431.1/43



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 4.642+/-28.909 χ^2/NDF:8.2/4

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 29.639+/-29.408 χ^2/NDF:1.2/3

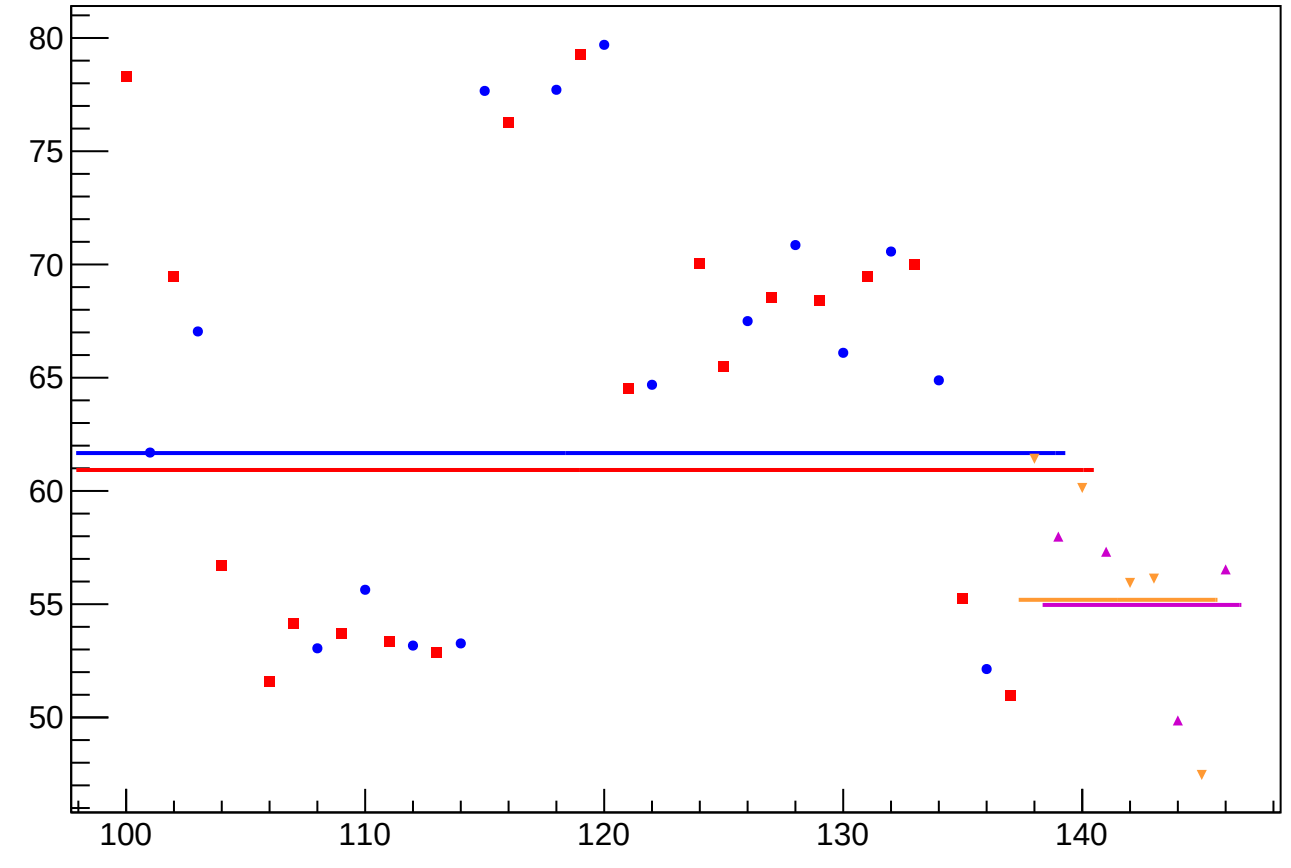
Left: 16.927+/-20.616 χ^2/NDF: 9.7/8

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 45.206+/-18.204 χ^2/NDF:12.7/19

Out: -10.257+/-17.799 χ^2/NDF:17.8/23

All: 16.851+/-12.726 χ^2/NDF: 35.2/43



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 55.193+/-0.020 χ^2/NDF:70864.7/4

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

Left: 55.082+/-0.015 χ^2/NDF: 98465.6/8

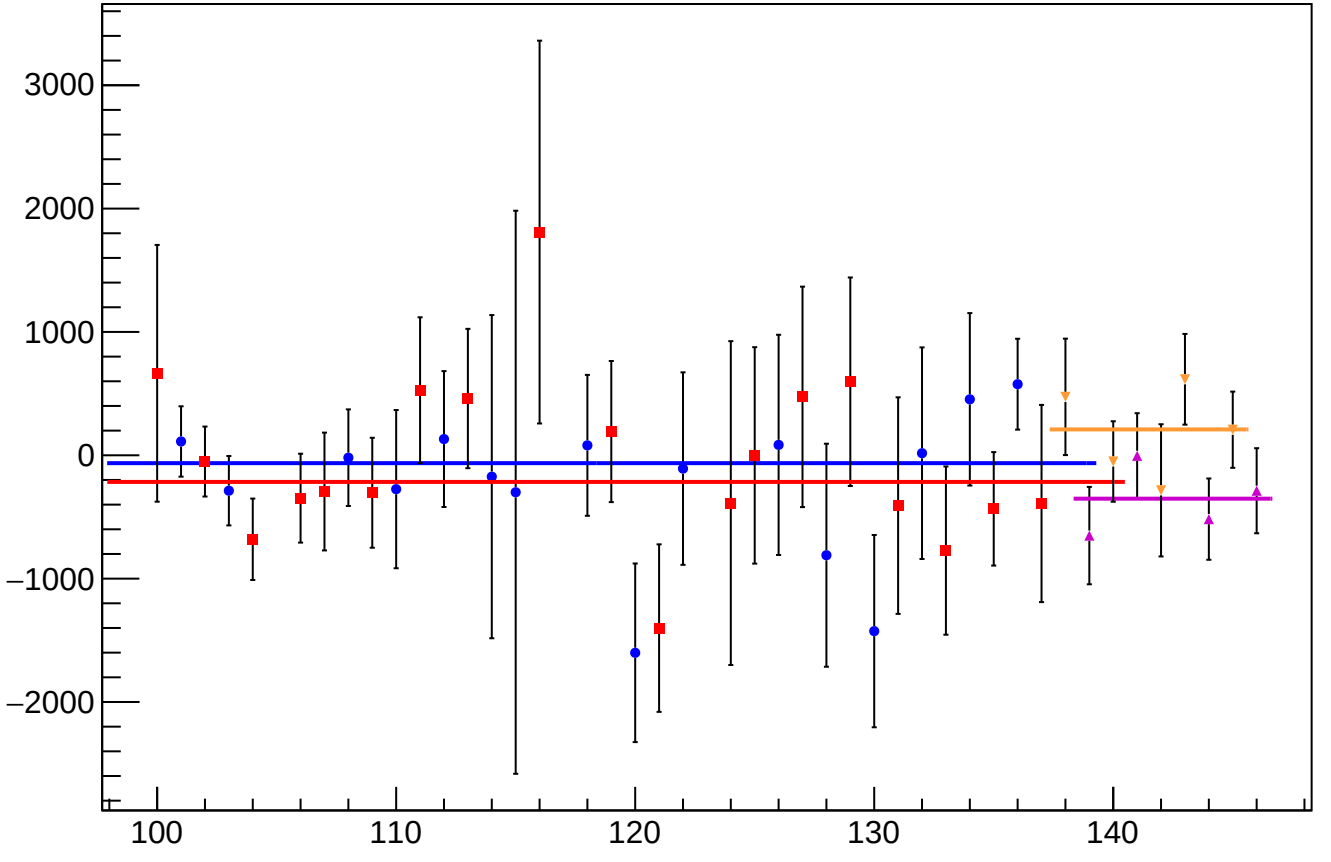
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 59.104+/-0.013 χ^2/NDF:358781.9/19

Out: 58.753+/-0.013 χ^2/NDF:407276.2/23

All: 58.924+/-0.009 χ^2/NDF: 766438.1/43

asym_sam_37_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 209.704+/-168.441 χ^2/NDF:3.0/4

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -351.760+/-175.665 χ^2/NDF:1.9/3

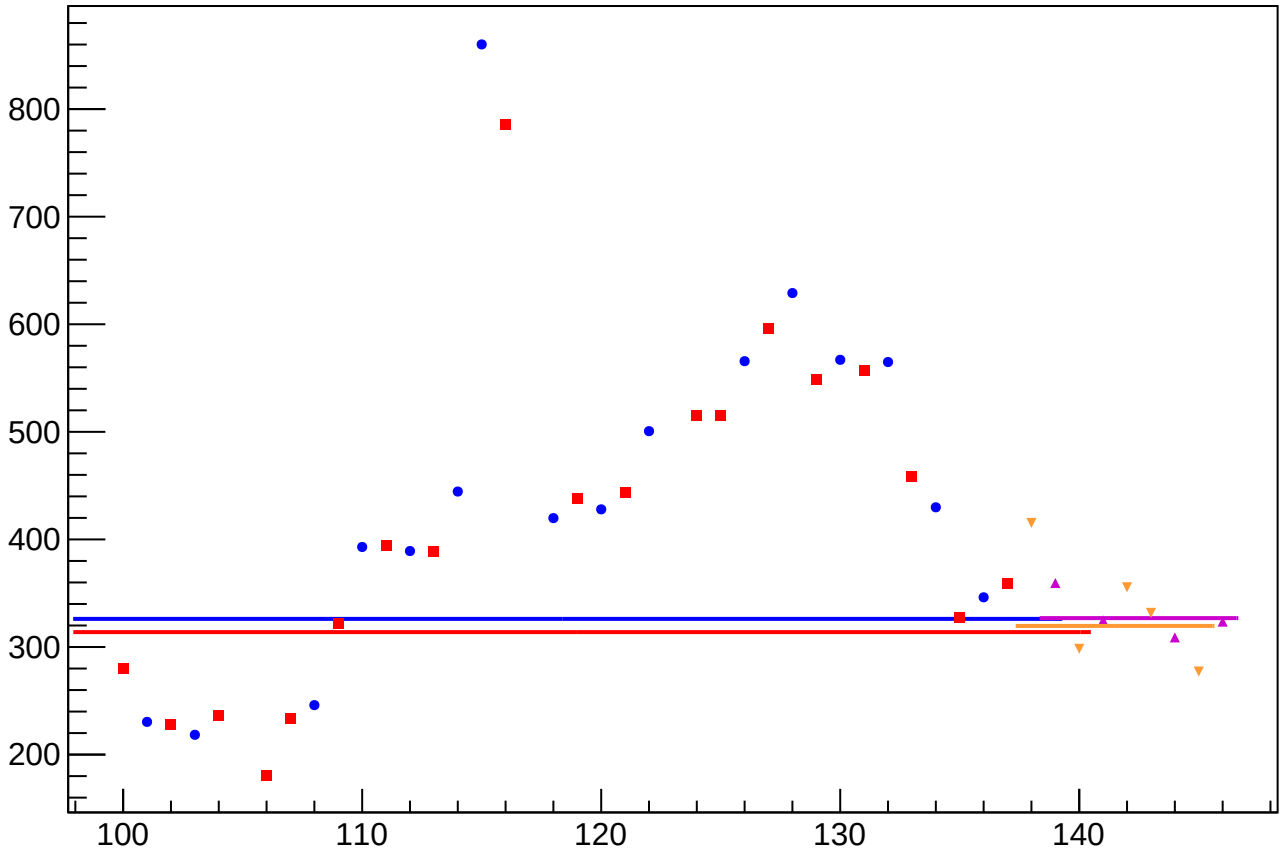
Left: -59.245+/-121.579 χ^2/NDF: 10.2/8

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -165.383+/-104.328 χ^2/NDF:16.8/19

Out: -67.119+/-99.593 χ^2/NDF:21.3/23

All: -113.970+/-72.039 χ^2/NDF: 38.5/43



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 319.594+/-0.119 χ^2/NDF:139639.9/4

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 326.861+/-0.124 χ^2/NDF:19825.9/3

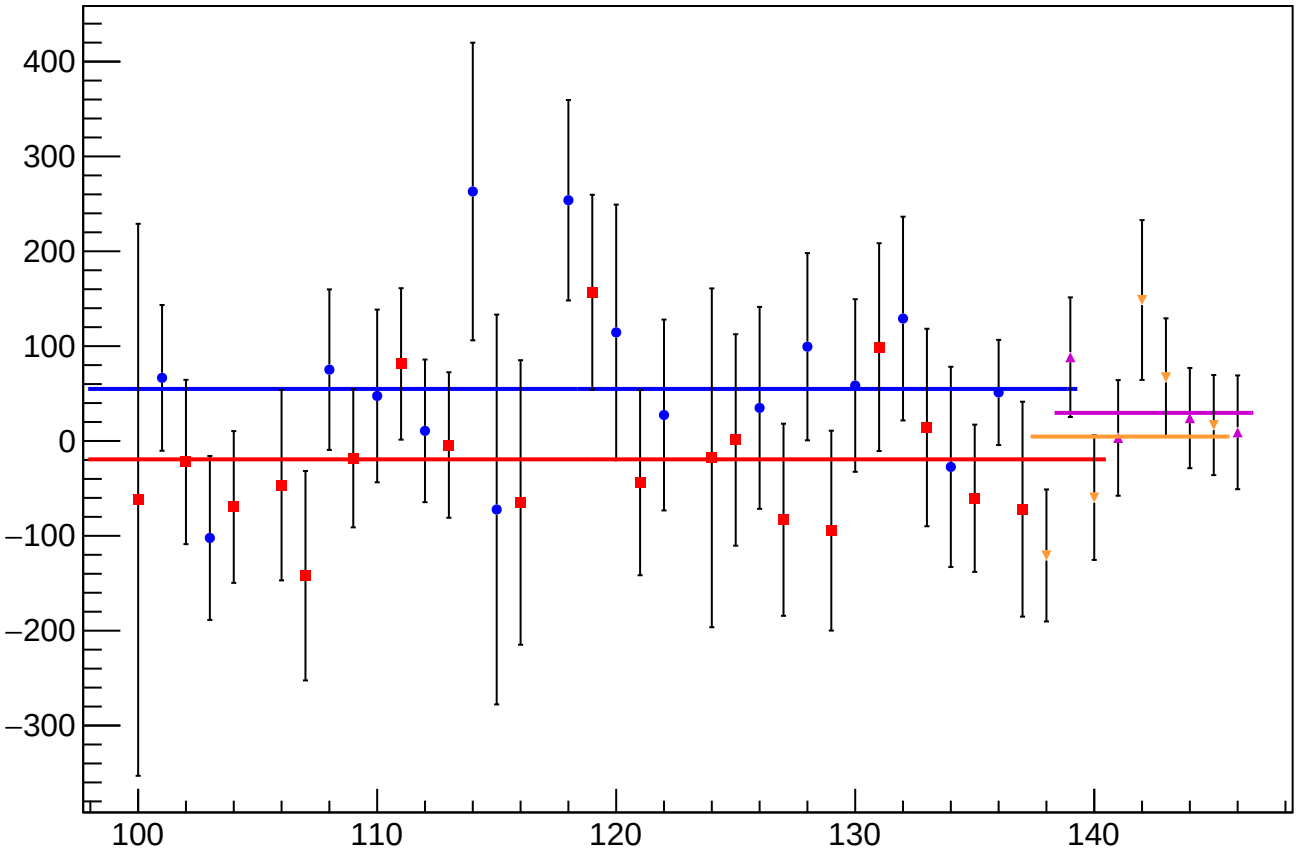
Left: 323.075+/-0.086 χ^2/NDF: 161249.0/8

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 326.401+/-0.074 χ^2/NDF:1753781.7/19

Out: 315.865+/-0.070 χ^2/NDF:1946926.1/23

All: 320.888+/-0.051 χ^2/NDF: 3711379.7/43



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 4.642+/-28.909 χ^2/NDF:8.2/4

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 29.639+/-29.408 χ^2/NDF:1.2/3

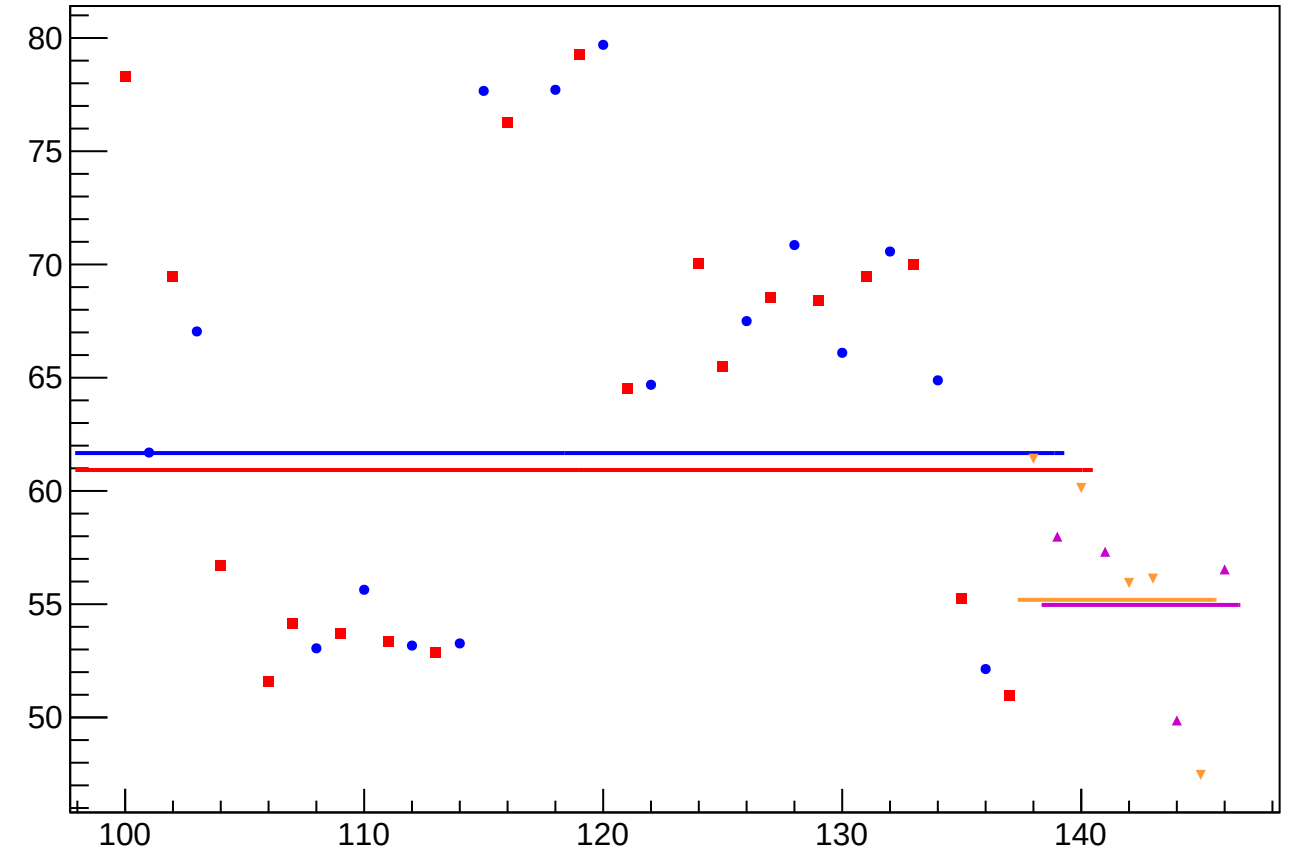
Left: 16.927+/-20.616 χ^2/NDF: 9.7/8

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 45.206+/-18.204 χ^2/NDF:12.7/19

Out: -10.257+/-17.799 χ^2/NDF:17.8/23

All: 16.851+/-12.726 χ^2/NDF: 35.2/43



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 55.193+/-0.020 χ^2/NDF:70864.7/4

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

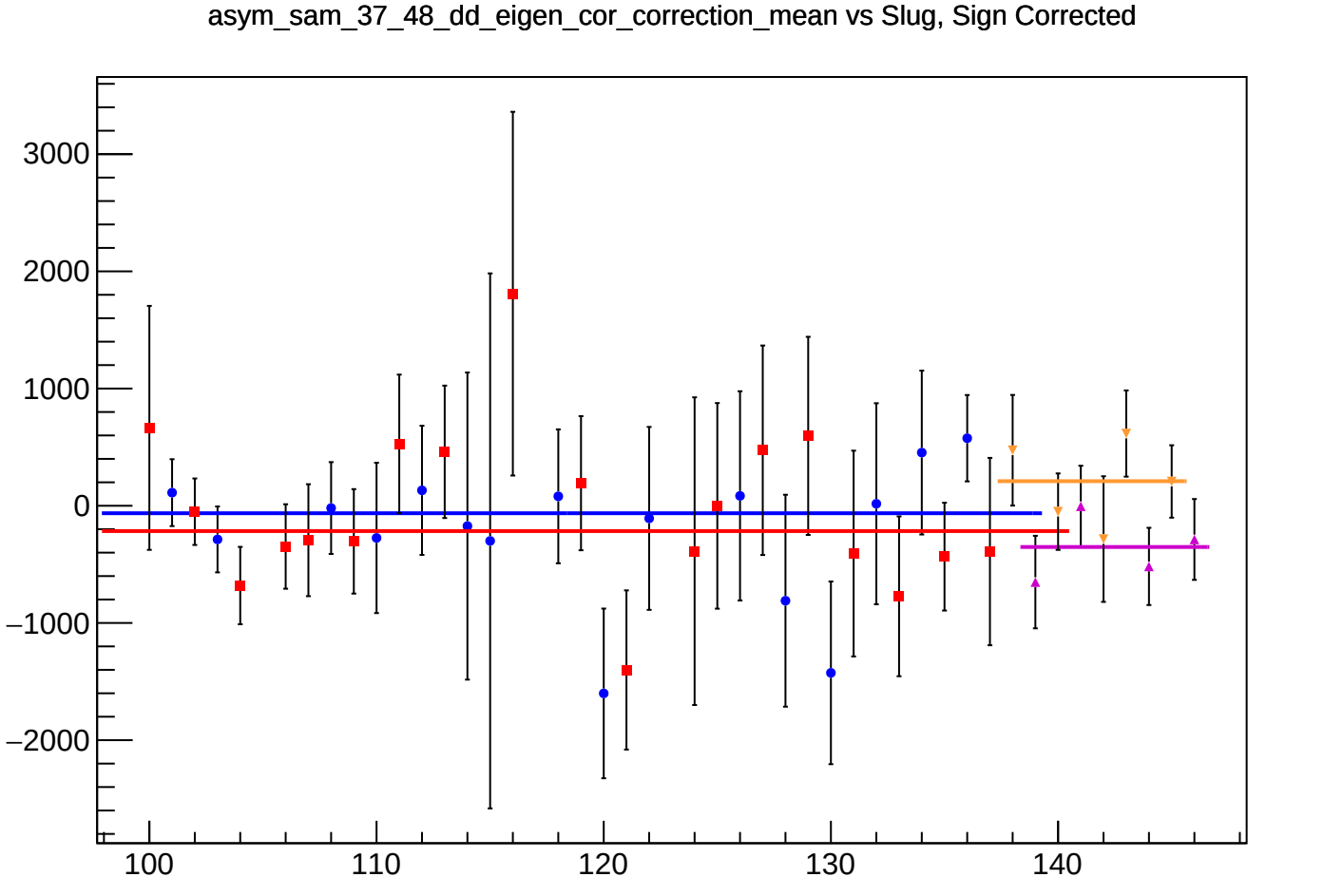
Left: 55.082+/-0.015 χ^2/NDF: 98465.6/8

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 59.104+/-0.013 χ^2/NDF:358781.9/19

Out: 58.753+/-0.013 χ^2/NDF:407276.2/23

All: 58.924+/-0.009 χ^2/NDF: 766438.1/43



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 209.704+/-168.441 χ^2/NDF:3.0/4

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -351.760+/-175.665 χ^2/NDF:1.9/3

Left: -59.245+/-121.579 χ^2/NDF: 10.2/8

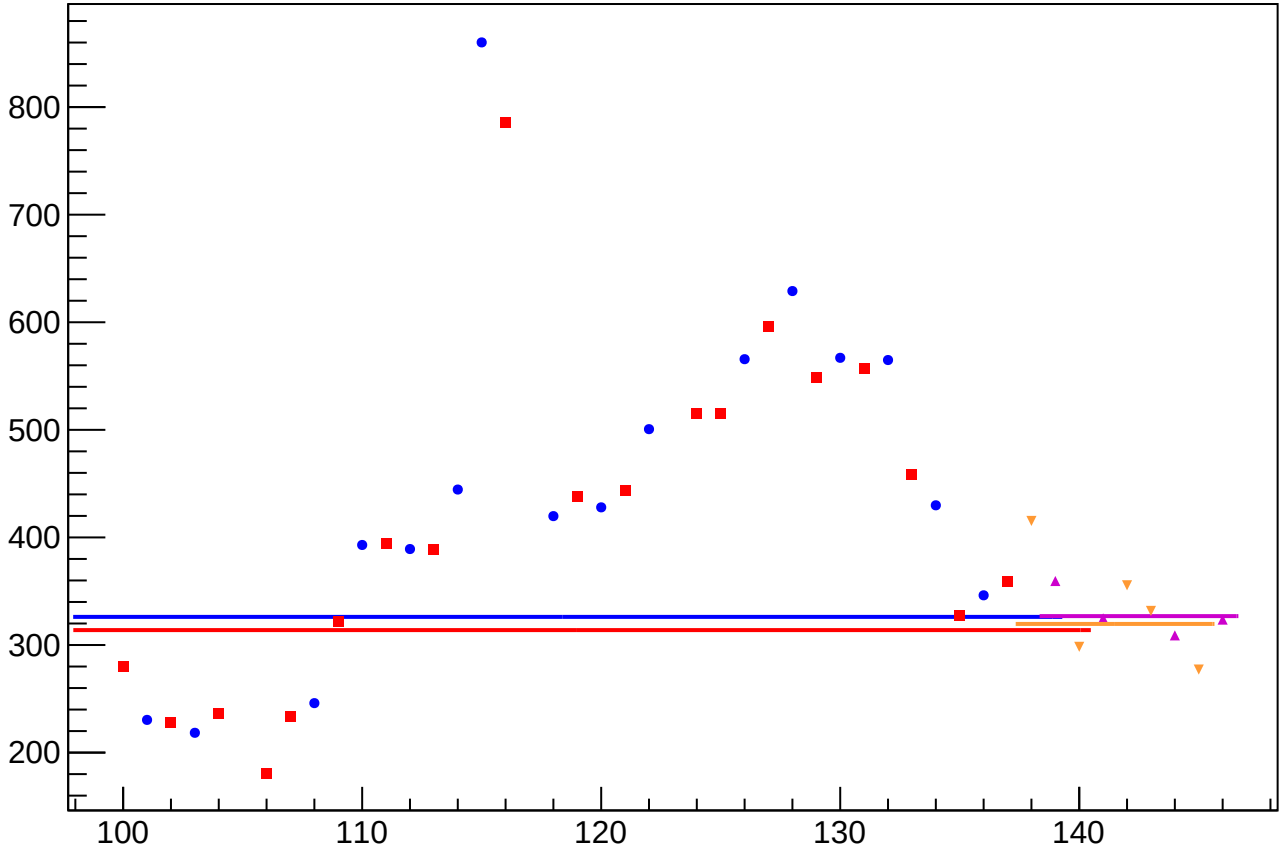
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -165.383+/-104.328 χ^2/NDF:16.8/19

Out: -67.119+/-99.593 χ^2/NDF:21.3/23

All: -113.970+/-72.039 χ^2/NDF: 38.5/43

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: 319.594+/-0.119 χ^2/NDF:139639.9/4

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 326.861+/-0.124 χ^2/NDF:19825.9/3

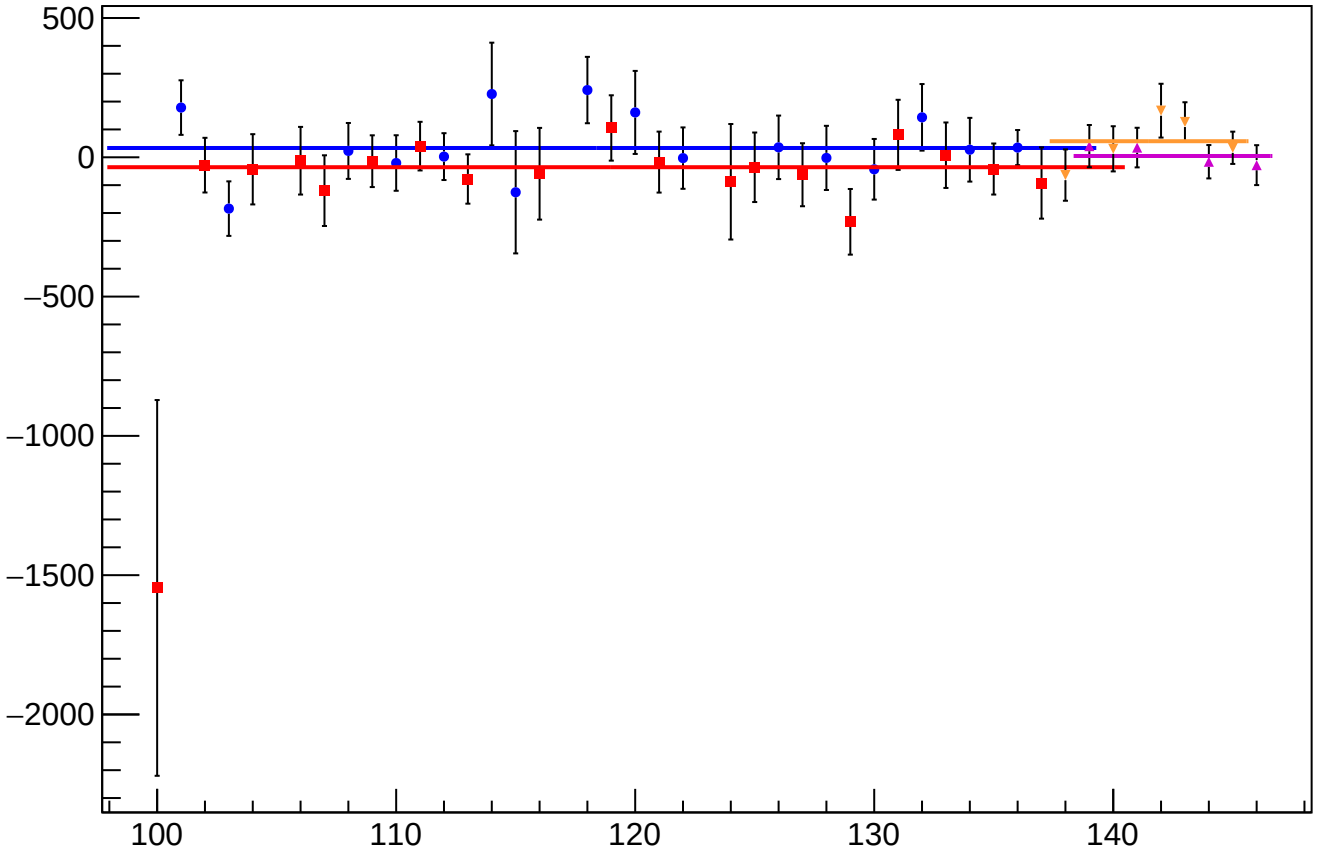
Left: 323.075+/-0.086 χ^2/NDF: 161249.0/8

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 326.401+/-0.074 χ^2/NDF:1753781.7/19

Out: 315.865+/-0.070 χ^2/NDF:1946926.1/23

All: 320.888+/-0.051 χ^2/NDF: 3711379.7/43



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 57.723+/-33.814 χ^2/NDF:4.3/4

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 4.676+/-34.393 χ^2/NDF:0.7/3

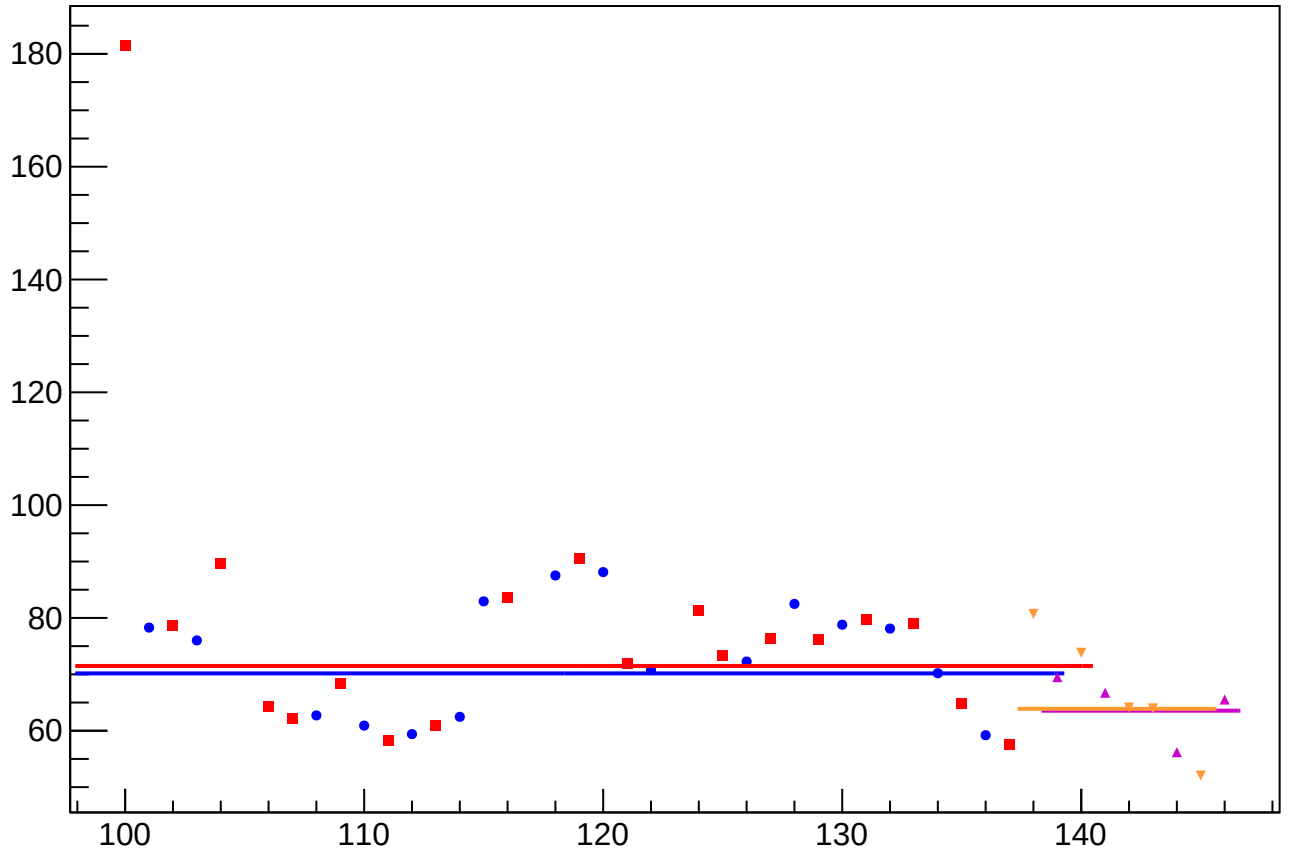
Left: 31.650+/-24.112 χ^2/NDF: 6.2/8

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 22.742+/-20.949 χ^2/NDF:15.7/19

Out: -0.017+/-20.875 χ^2/NDF:21.1/23

All: 11.322+/-14.787 χ^2/NDF: 37.4/43



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 63.892+/-0.024 χ^2/NDF:180272.7/4

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 63.555+/-0.024 χ^2/NDF:48030.3/3

Left: 63.726+/-0.017 χ^2/NDF: 228400.6/8

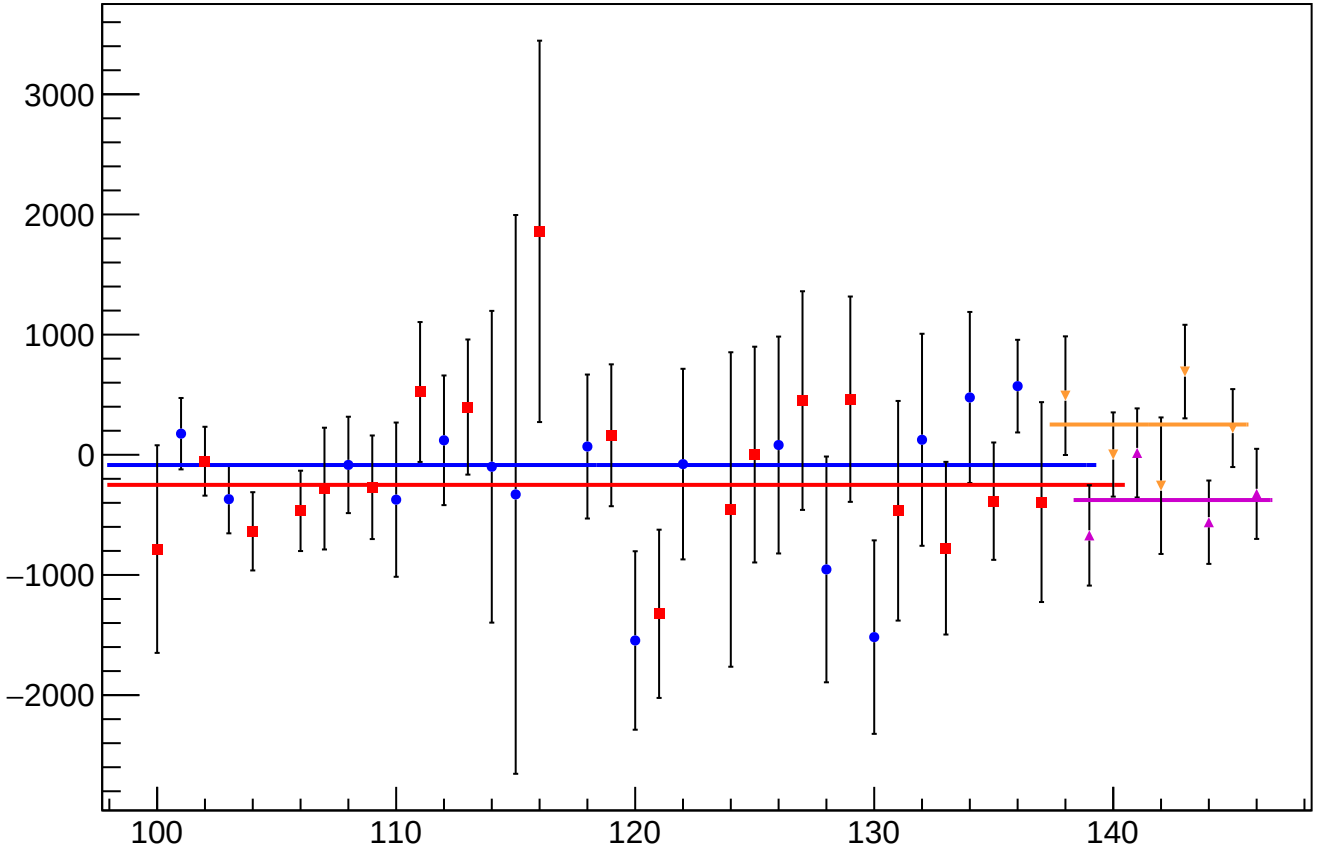
Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 67.714+/-0.015 χ^2/NDF:363779.7/19

Out: 68.590+/-0.015 χ^2/NDF:568371.1/23

All: 68.153+/-0.010 χ^2/NDF: 933904.6/43

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 251.887+/-178.321 χ^2/NDF:2.8/4

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -376.552+/-187.545 χ^2/NDF:1.9/3

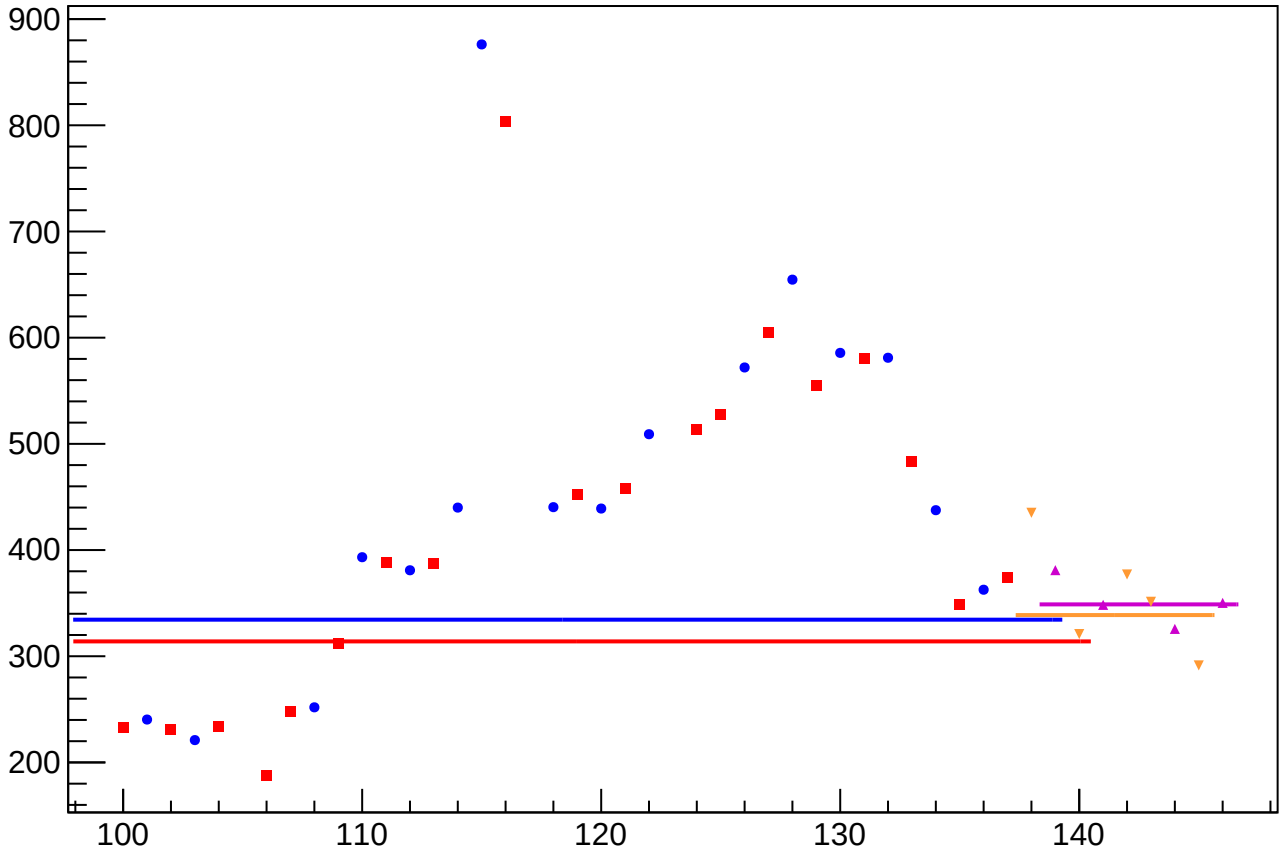
Left: -46.499+/-129.230 χ^2/NDF: 10.6/8

Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -182.563+/-108.422 χ^2/NDF:17.2/19

Out: -87.956+/-101.418 χ^2/NDF:20.7/23

All: -132.105+/-74.066 χ^2/NDF: 38.3/43



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 338.770+/-0.126 χ^2/NDF:135188.0/4

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 348.834+/-0.133 χ^2/NDF:20797.1/3

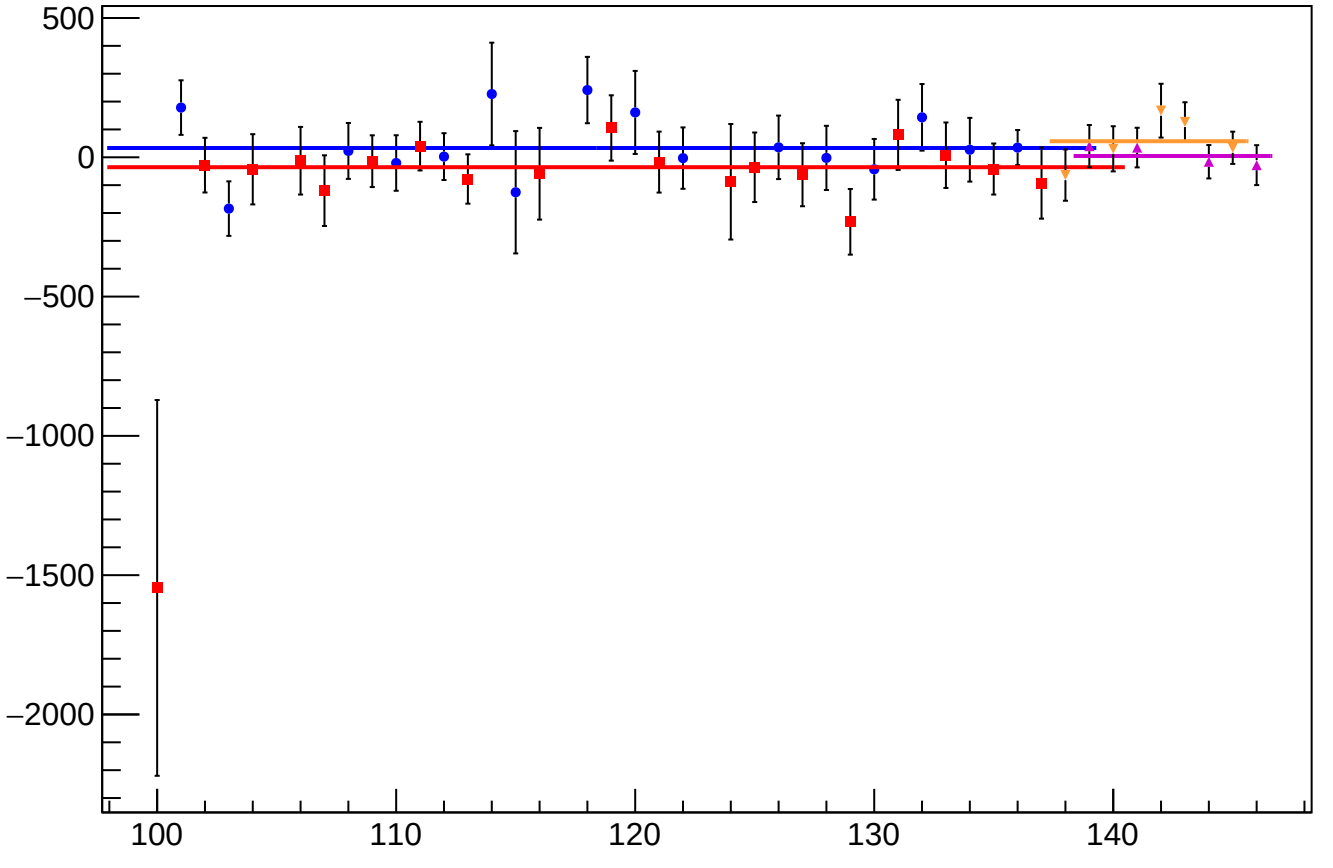
Left: 343.549+/-0.091 χ^2/NDF: 159009.6/8

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 339.245+/-0.077 χ^2/NDF:1759260.9/19

Out: 321.993+/-0.072 χ^2/NDF:2065963.0/23

All: 330.043+/-0.052 χ^2/NDF: 3852230.7/43



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 57.722+/-33.814 χ^2/NDF:4.3/4

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 4.677+/-34.393 χ^2/NDF:0.7/3

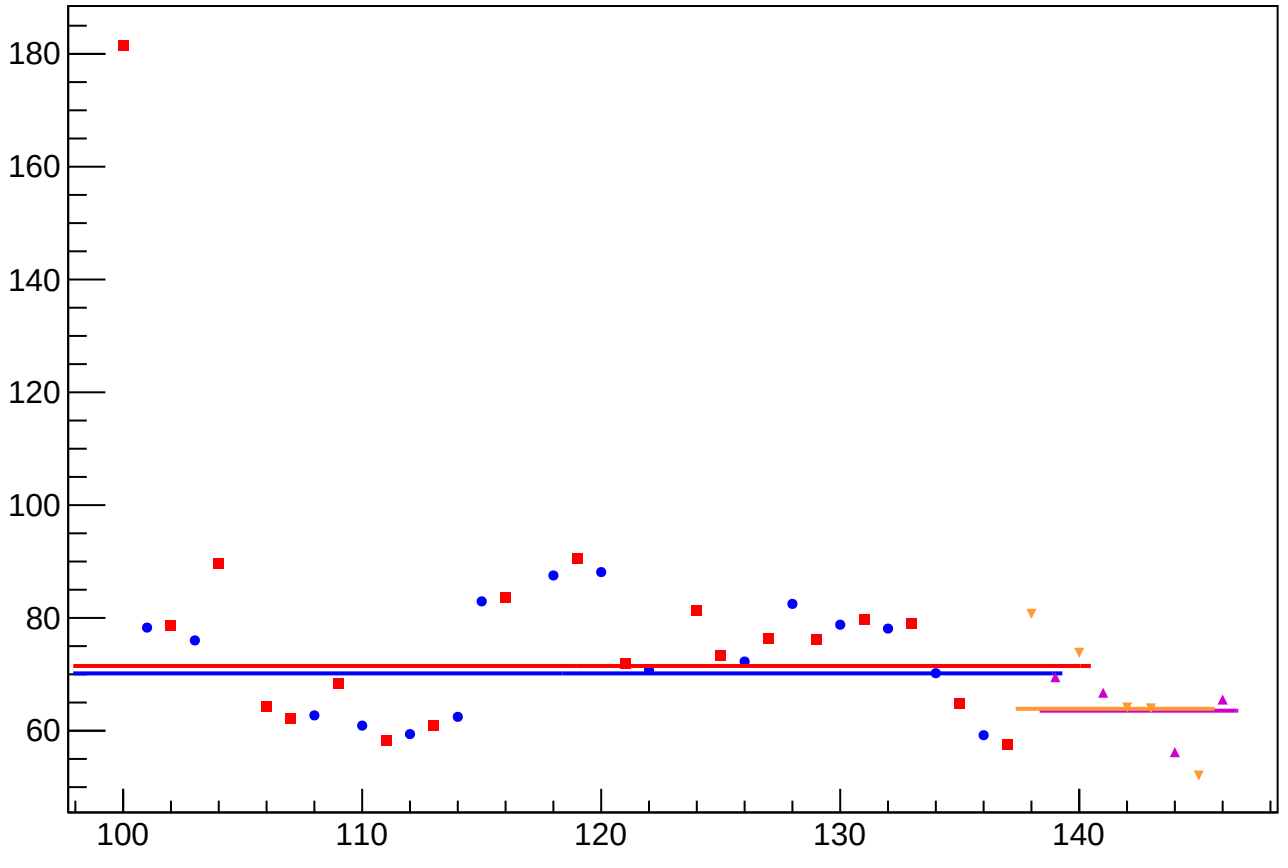
Left: 31.650+/-24.112 χ^2/NDF: 6.2/8

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 22.742+/-20.949 χ^2/NDF:15.7/19

Out: -0.018+/-20.875 χ^2/NDF:21.1/23

All: 11.322+/-14.787 χ^2/NDF: 37.4/43



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 63.892+/-0.024 χ^2/NDF:180273.6/4

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 63.555+/-0.024 χ^2/NDF:48028.9/3

Left: 63.726+/-0.017 χ^2/NDF: 228400.0/8

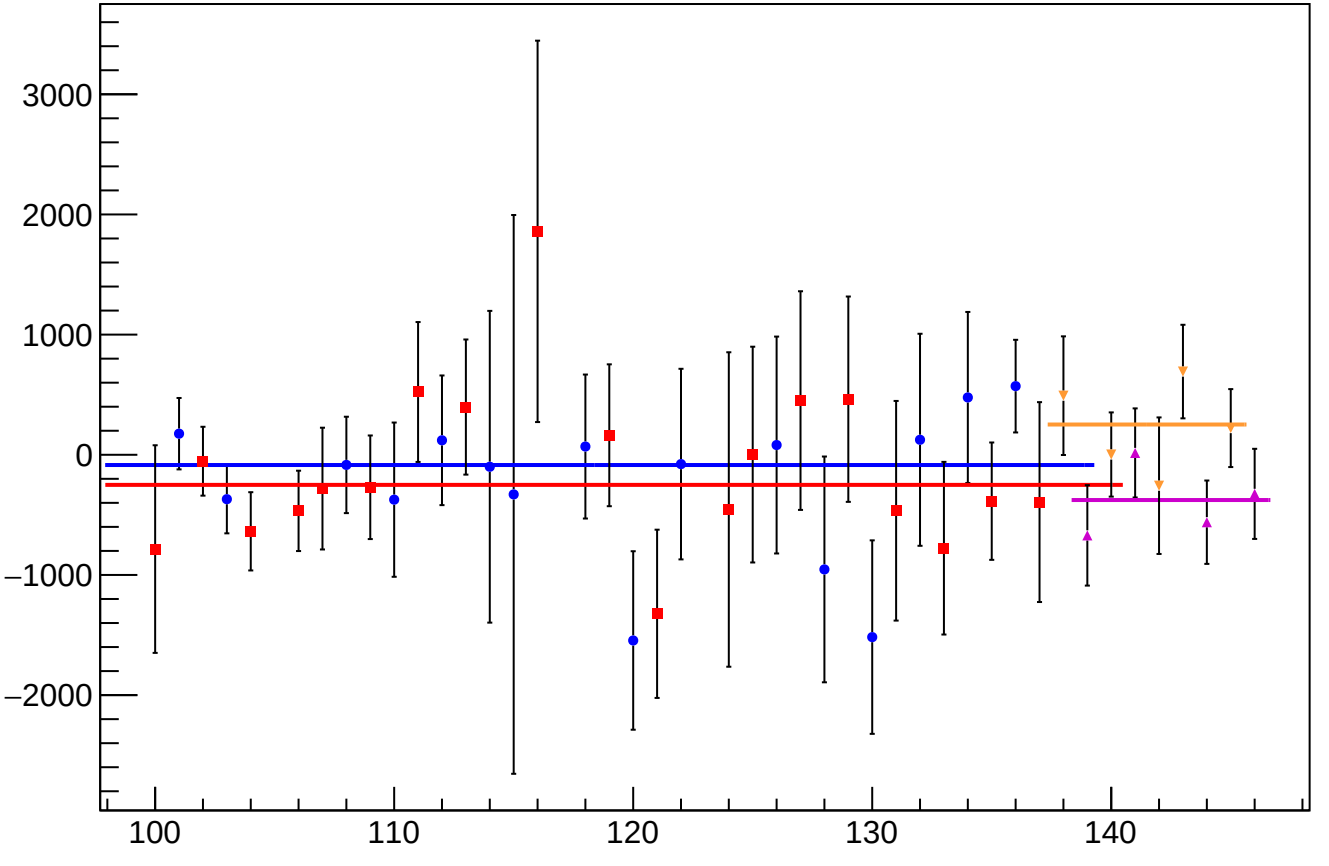
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 67.714+/-0.015 χ^2/NDF:363783.9/19

Out: 68.590+/-0.015 χ^2/NDF:568382.5/23

All: 68.153+/-0.010 χ^2/NDF: 933920.0/43

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: 251.887+/-178.321 χ^2/NDF:2.8/4

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -376.551+/-187.545 χ^2/NDF:1.9/3

Left: -46.498+/-129.230 χ^2/NDF: 10.6/8

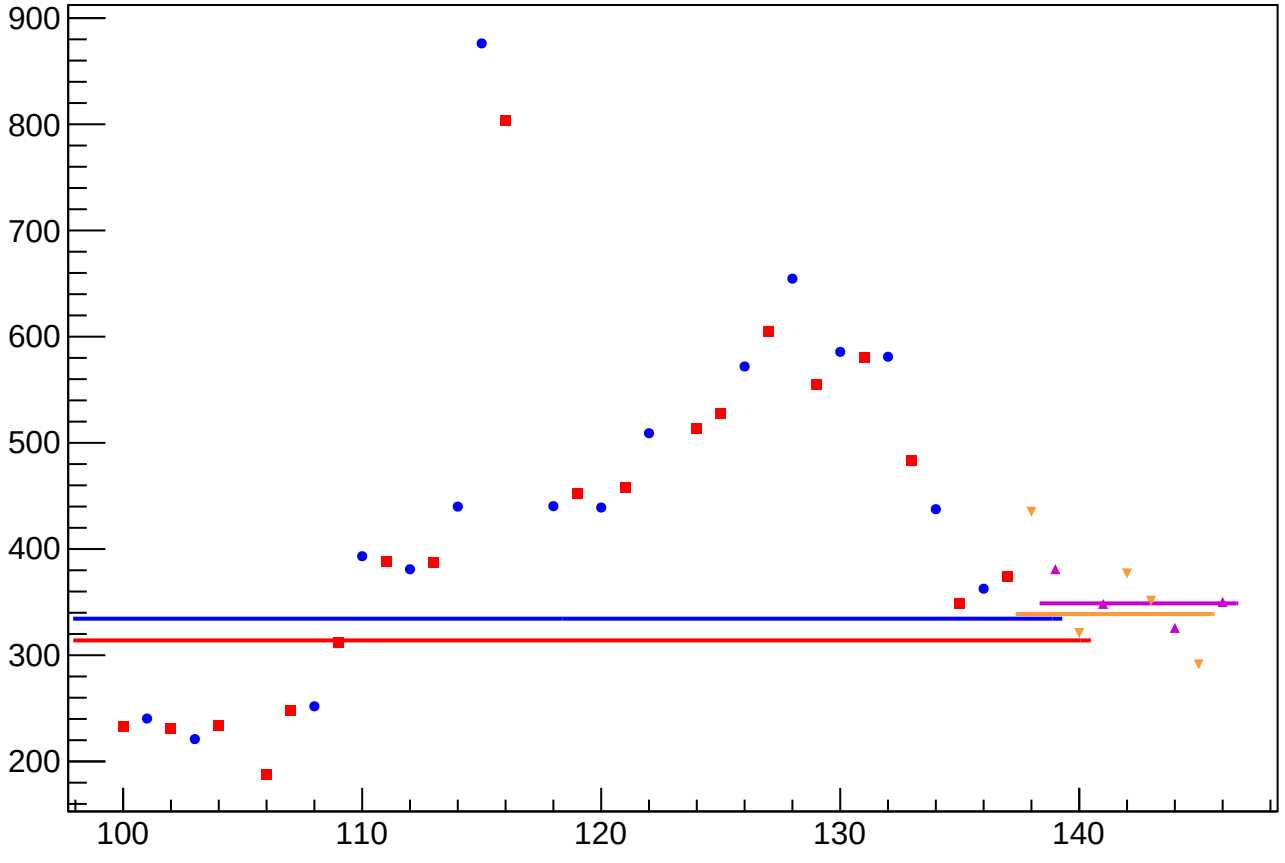
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -182.564+/-108.422 χ^2/NDF:17.2/19

Out: -87.956+/-101.418 χ^2/NDF:20.7/23

All: -132.106+/-74.066 χ^2/NDF: 38.3/43

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: 338.770+/-0.126 χ^2/NDF:135189.3/4

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 348.834+/-0.133 χ^2/NDF:20797.0/3

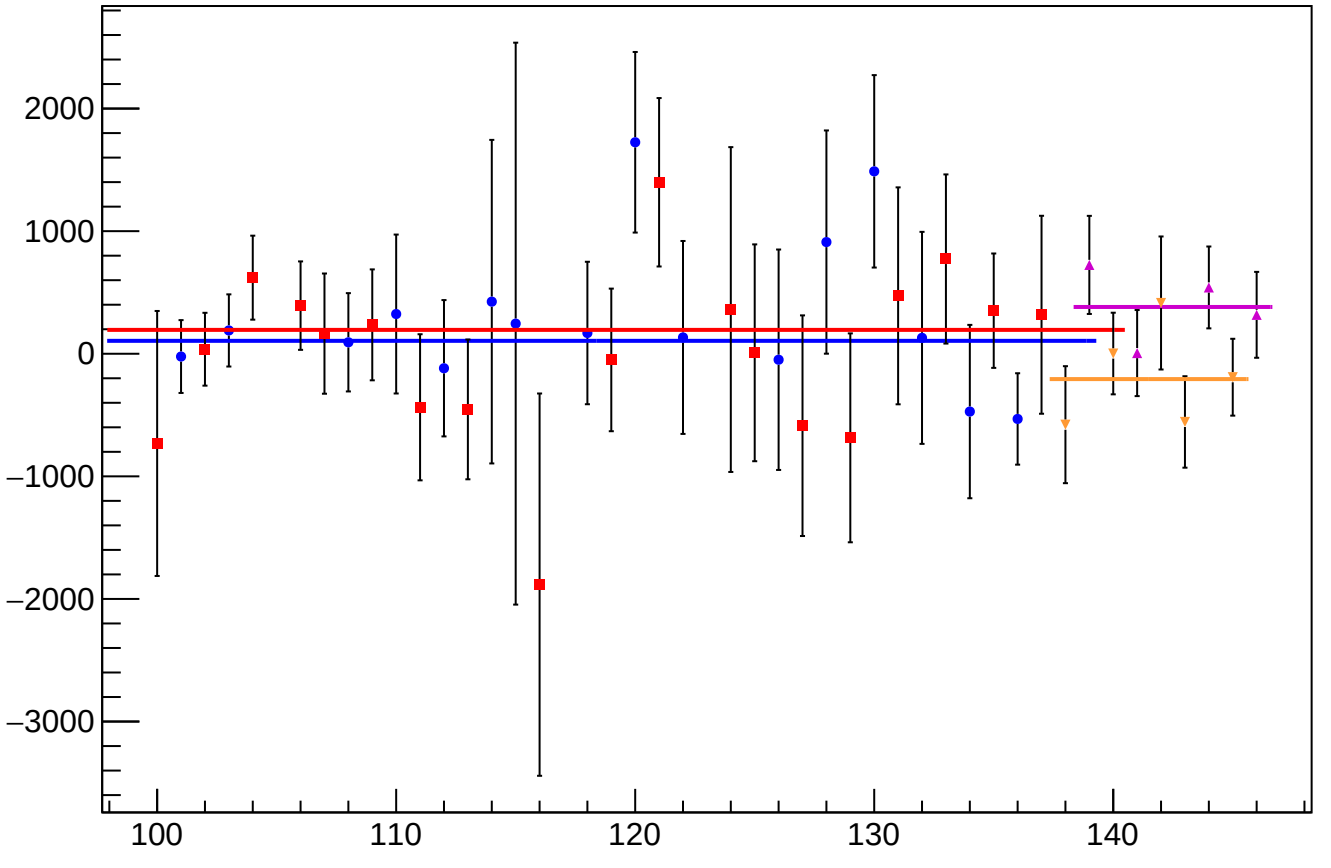
Left: 343.548+/-0.091 χ^2/NDF: 159011.2/8

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 339.245+/-0.077 χ^2/NDF:1759259.6/19

Out: 321.993+/-0.072 χ^2/NDF:2065961.6/23

All: 330.043+/-0.052 χ^2/NDF: 3852228.9/43



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -206.668+/-171.053 χ^2/NDF:3.2/4

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 381.632+/-178.227 χ^2/NDF:2.1/3

Left: 75.404+/-123.411 χ^2/NDF: 11.0/8

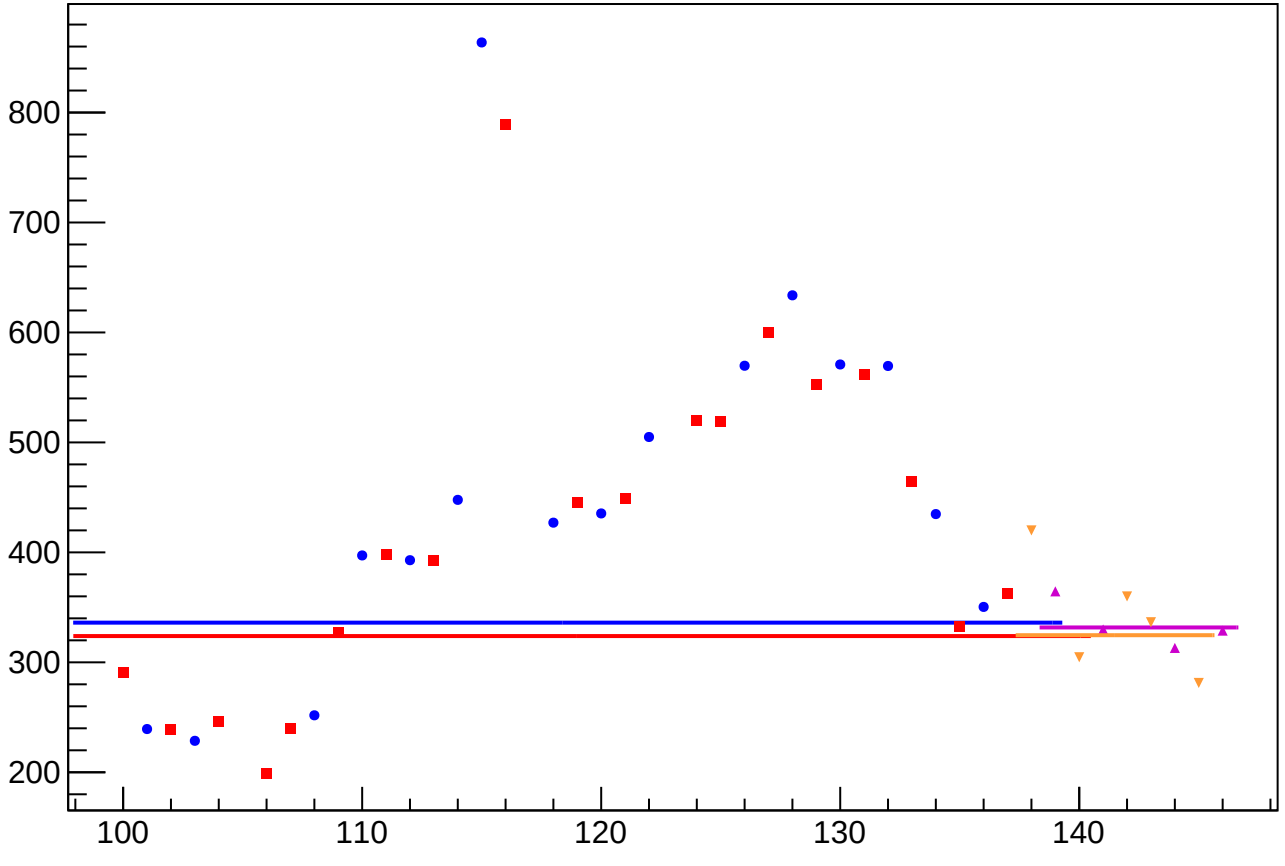
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 204.242+/-106.616 χ^2/NDF:16.6/19

Out: 53.241+/-101.552 χ^2/NDF:19.9/23

All: 125.070+/-73.533 χ^2/NDF: 37.6/43

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 324.670+/-0.121 χ^2/NDF:135860.1/4

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 331.713+/-0.126 χ^2/NDF:19878.2/3

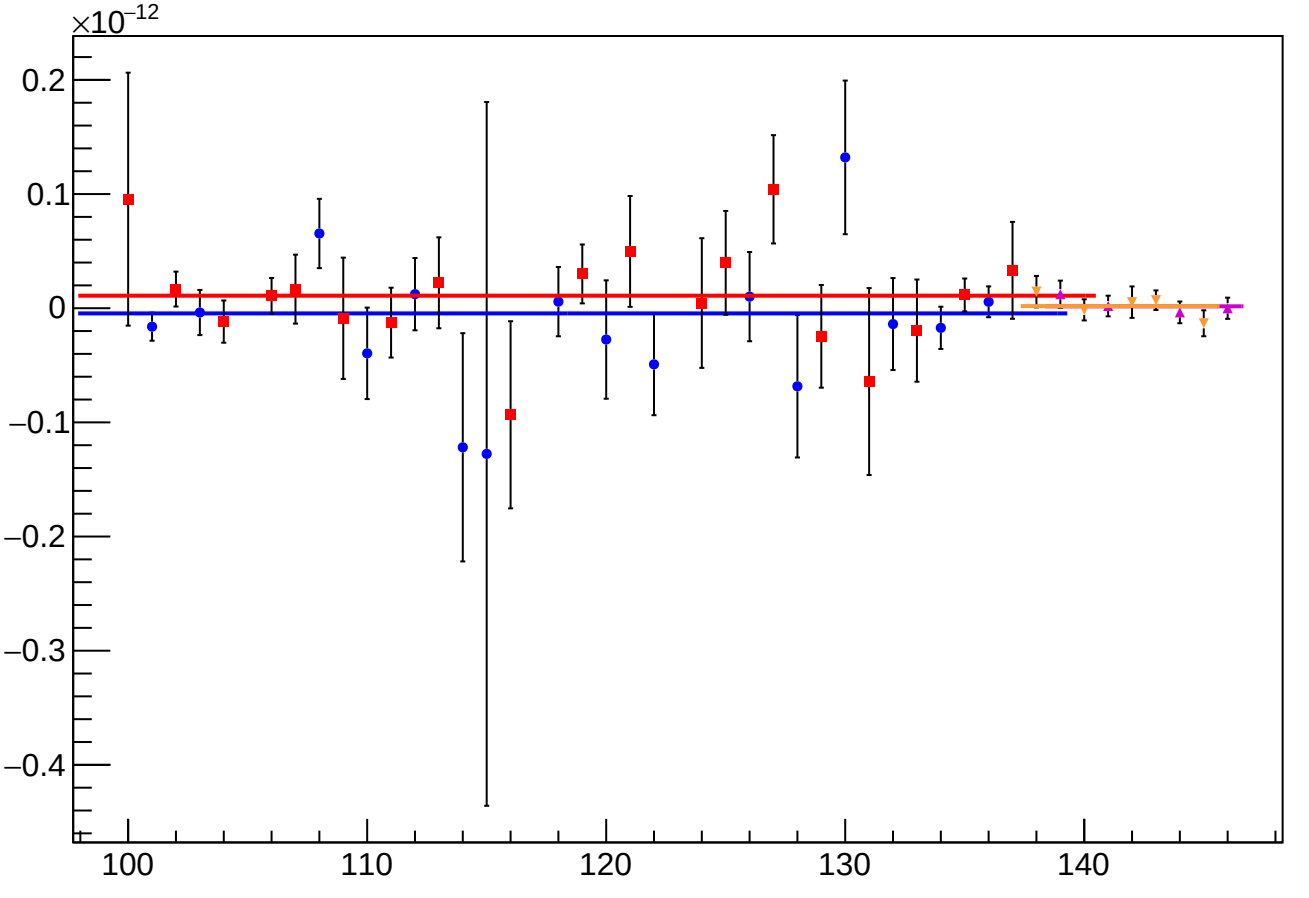
Left: 328.047+/-0.087 χ^2/NDF: 157363.9/8

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 334.525+/-0.075 χ^2/NDF:1639650.8/19

Out: 324.162+/-0.072 χ^2/NDF:1801308.2/23

All: 329.091+/-0.052 χ^2/NDF: 3450866.1/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

Left: 0.000+/-0.000 χ^2/NDF: 4.3/8

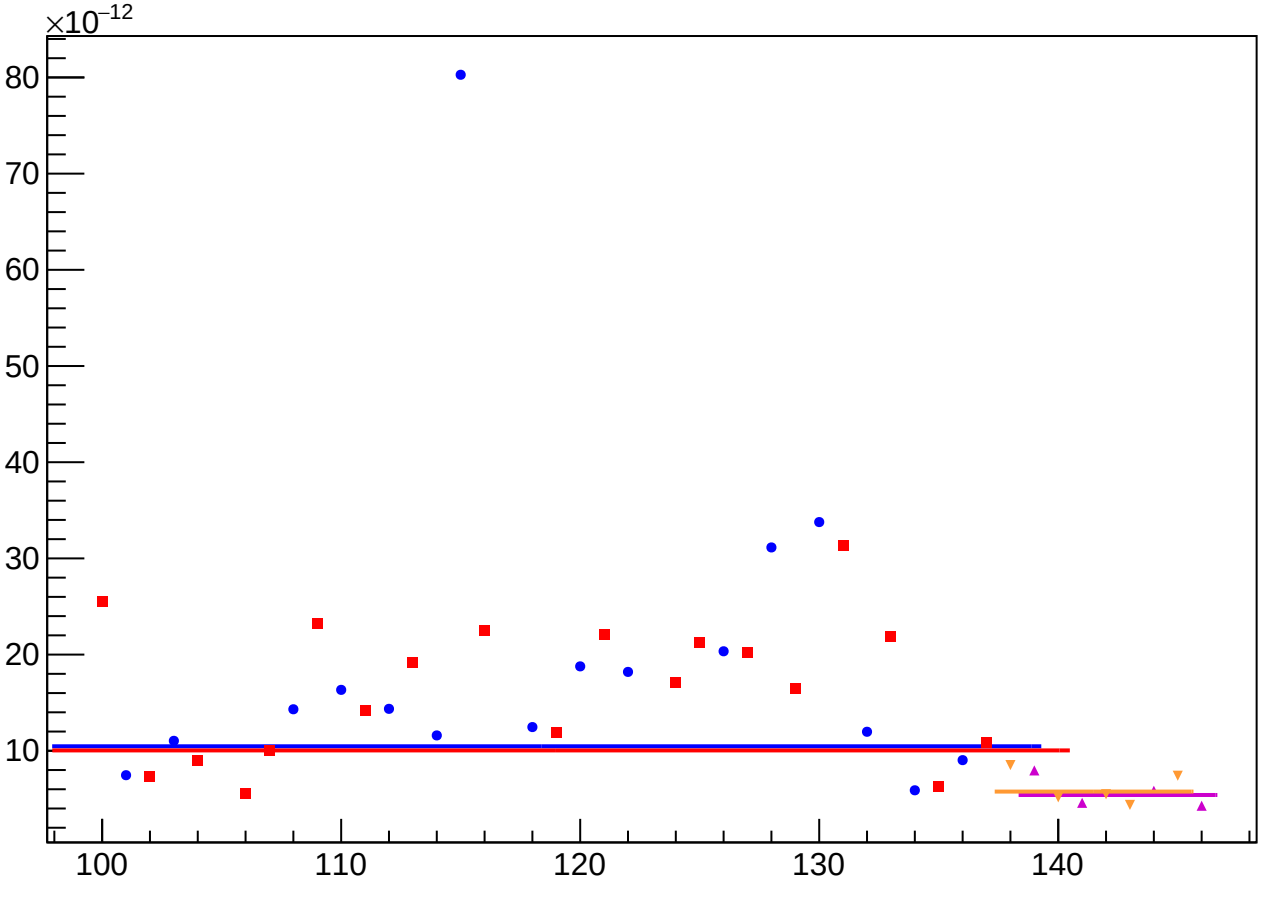
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:18.2/19

Out: 0.000+/-0.000 χ^2/NDF:16.8/23

All: 0.000+/-0.000 χ^2/NDF: 36.1/43

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:183277.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:141827.3/3

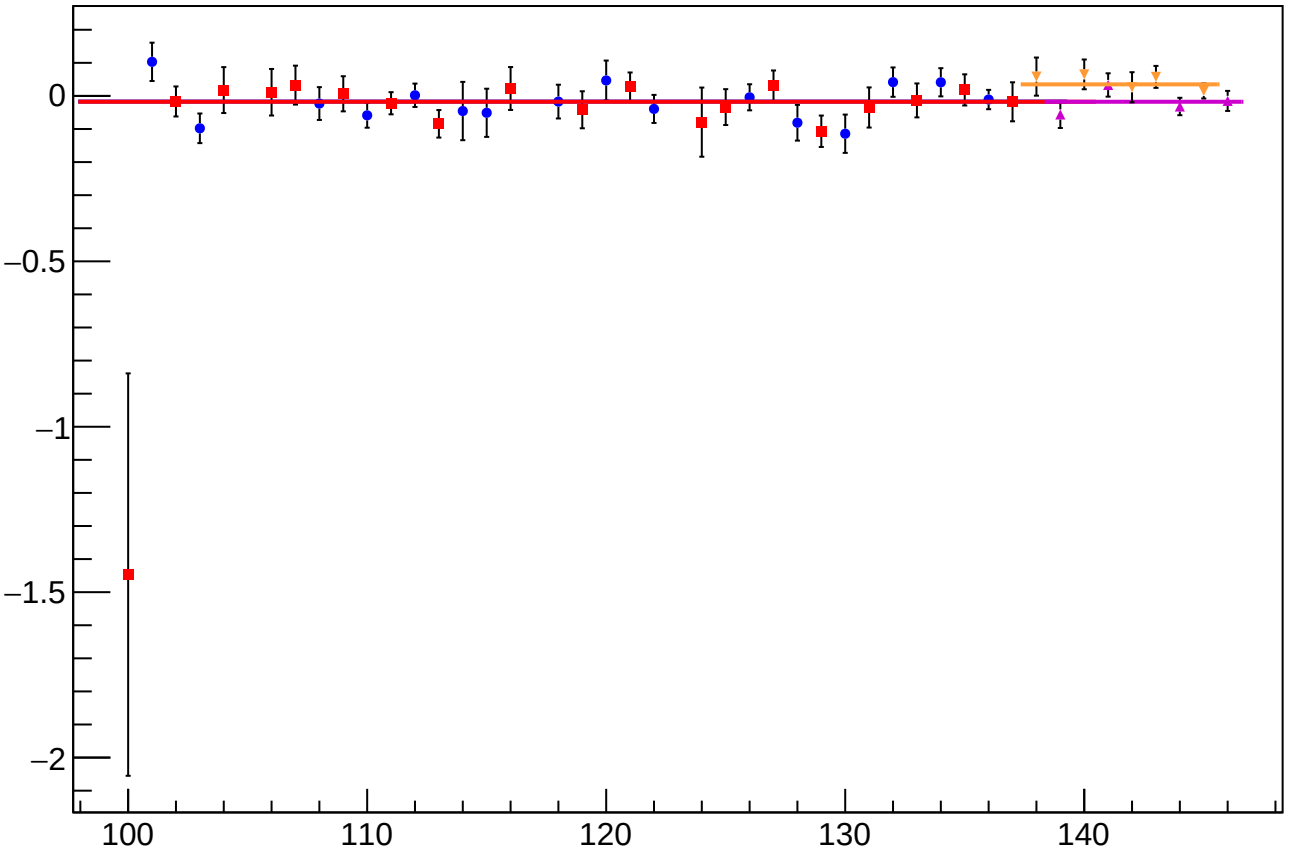
Left: 0.000+/-0.000 χ^2/NDF: 330468.0/8

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2109728.0/19

Out: 0.000+/-0.000 χ^2/NDF:2170330.7/23

All: 0.000+/-0.000 χ^2/NDF: 4280186.5/43



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.035+/-0.016 χ^2/NDF:1.9/4

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.018+/-0.016 χ^2/NDF:3.3/3

Left: 0.009+/-0.011 χ^2/NDF: 10.7/8

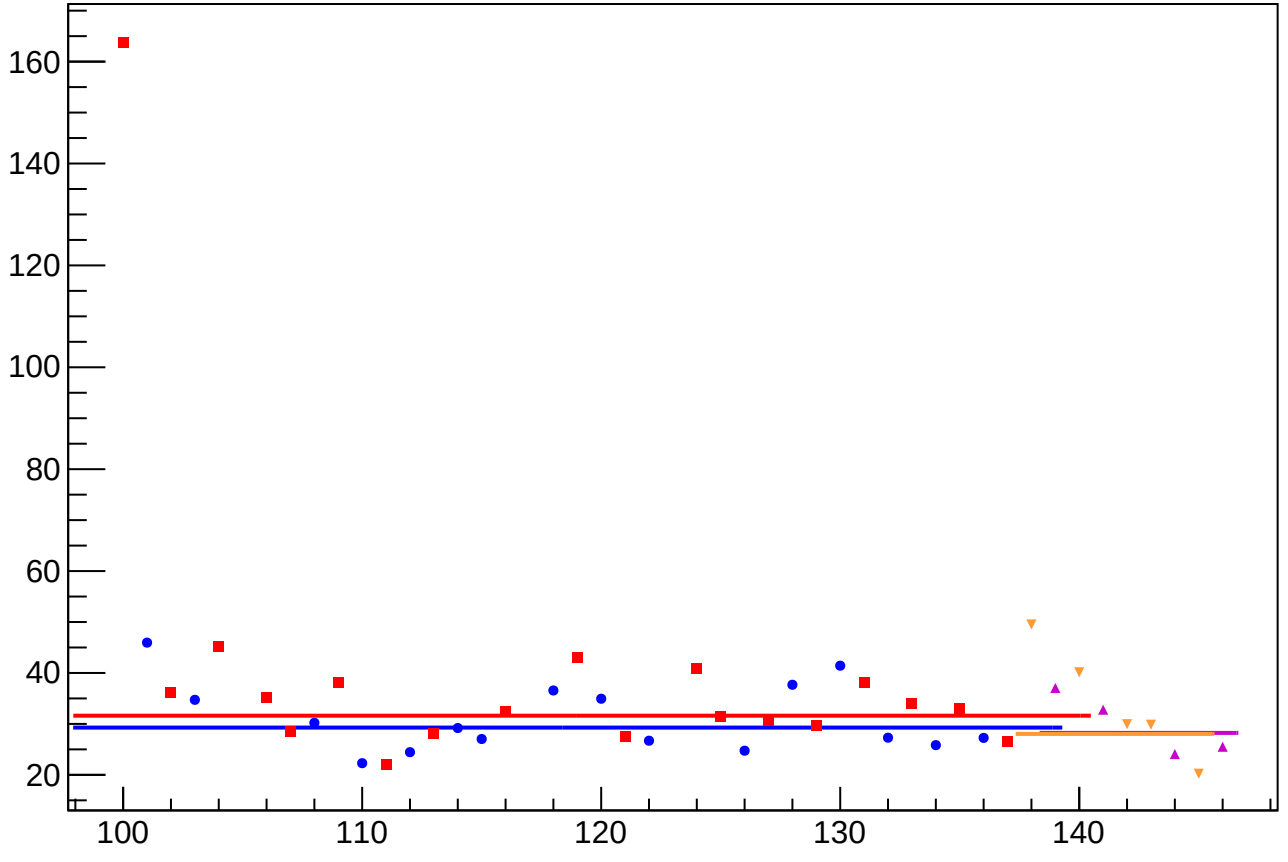
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.009 χ^2/NDF:22.1/19

Out: 0.002+/-0.010 χ^2/NDF:25.8/23

All: -0.008+/-0.007 χ^2/NDF: 50.0/43

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.036+/-0.011 χ^2/NDF:666493.3/4

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.236+/-0.011 χ^2/NDF:192465.0/3

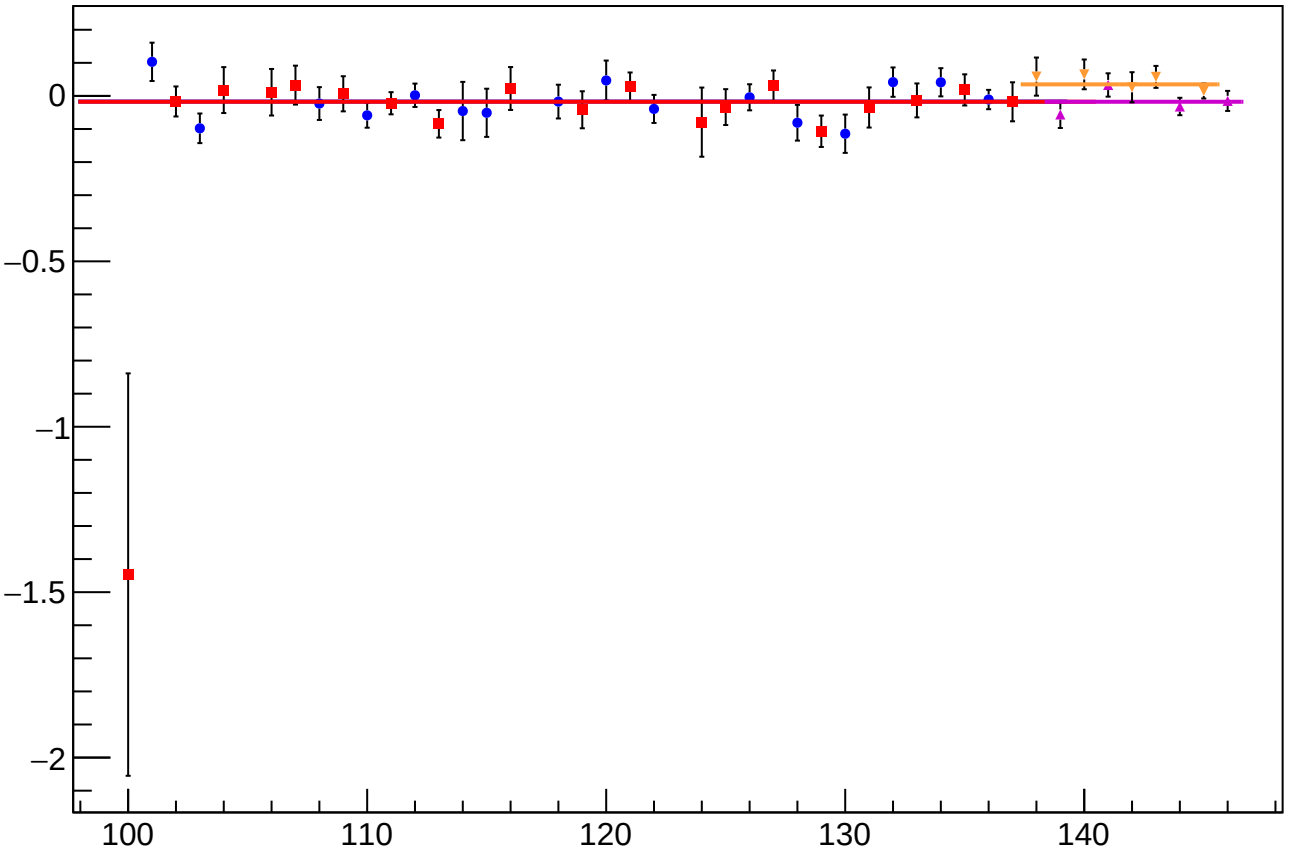
Left: 28.134+/-0.008 χ^2/NDF: 859117.8/8

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.928+/-0.007 χ^2/NDF:758801.8/19

Out: 30.270+/-0.007 χ^2/NDF:1304321.6/23

All: 29.576+/-0.005 χ^2/NDF: 2083498.5/43



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.035+/-0.016 χ^2/NDF:1.9/4

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.018+/-0.016 χ^2/NDF:3.3/3

Left: 0.009+/-0.011 χ^2/NDF: 10.7/8

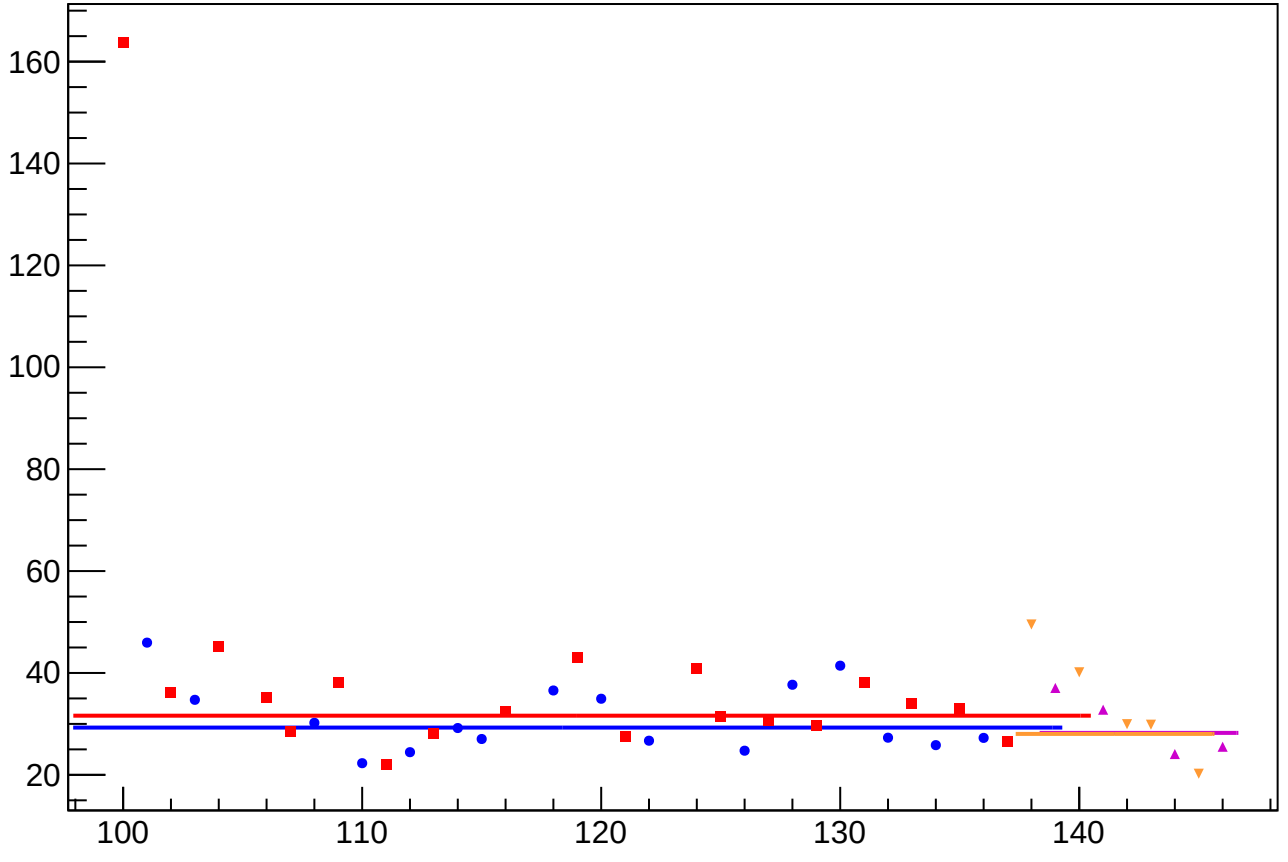
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.009 χ^2/NDF:22.1/19

Out: 0.002+/-0.010 χ^2/NDF:25.8/23

All: -0.008+/-0.007 χ^2/NDF: 50.0/43

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: 28.036+/-0.011 χ^2/NDF:666493.3/4

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.236+/-0.011 χ^2/NDF:192465.0/3

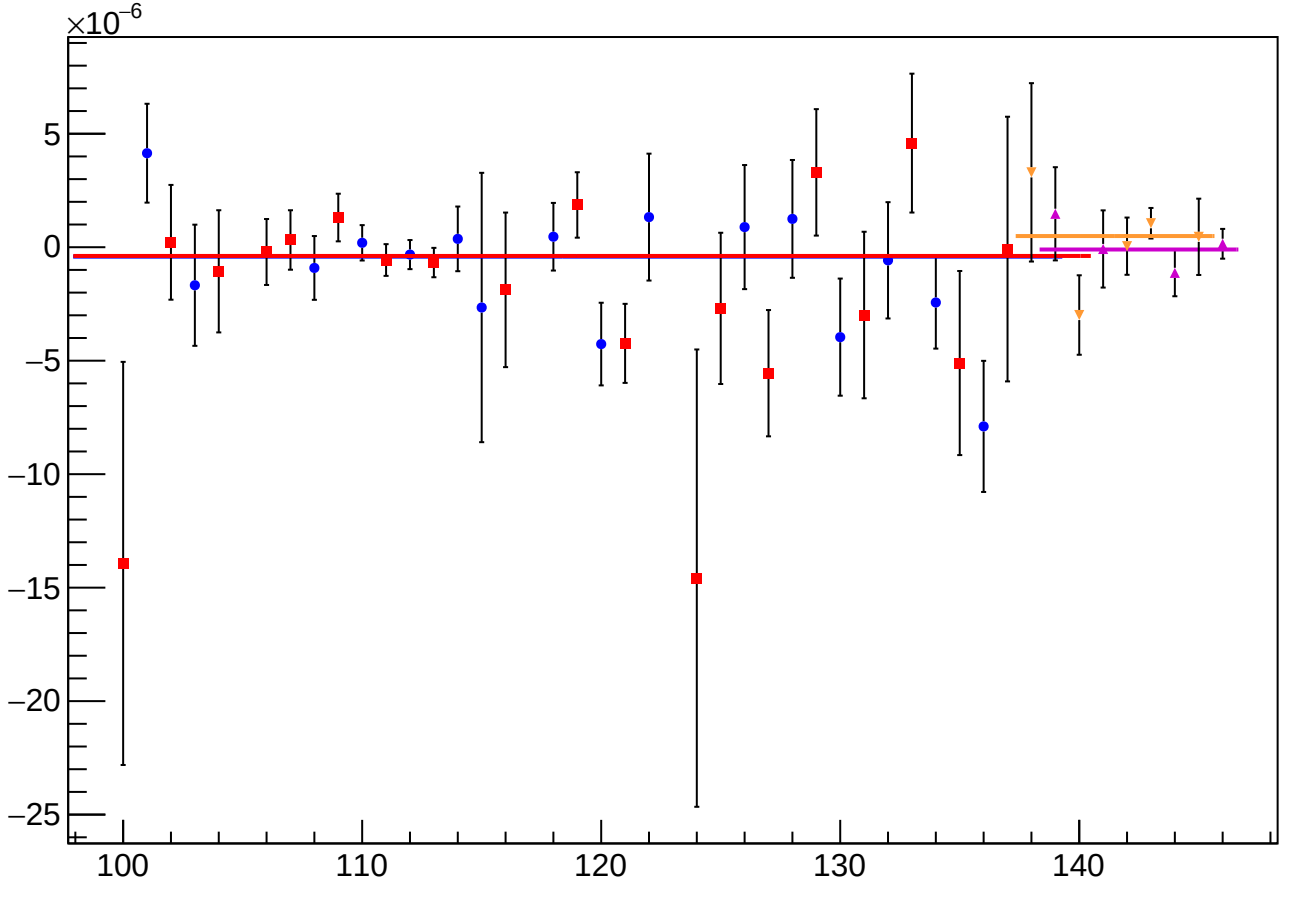
Left: 28.134+/-0.008 χ^2/NDF: 859117.8/8

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.928+/-0.007 χ^2/NDF:758801.8/19

Out: 30.270+/-0.007 χ^2/NDF:1304321.6/23

All: 29.576+/-0.005 χ^2/NDF: 2083498.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/4

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

Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

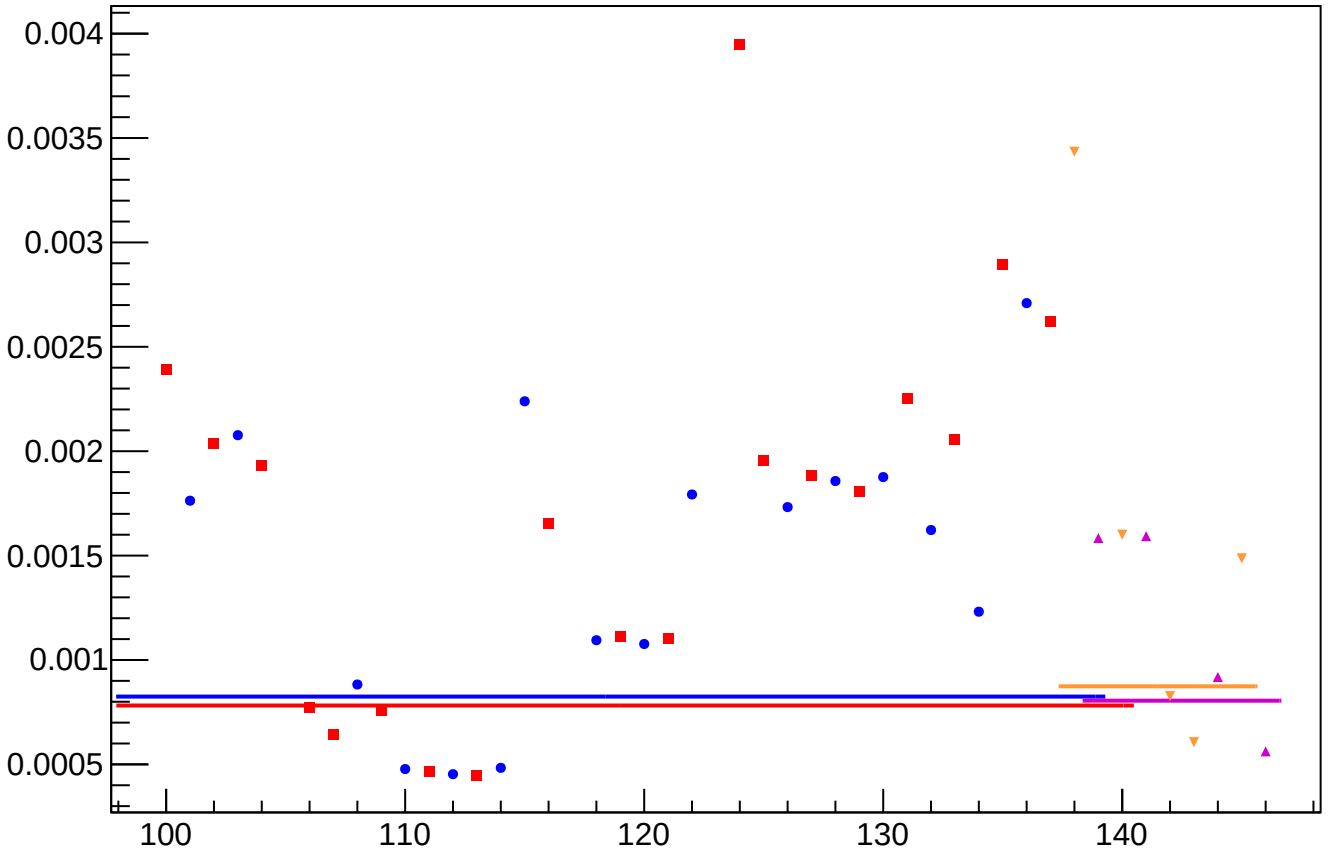
Left: 0.000+/-0.000 χ^2/NDF: 7.7/8

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:23.2/19

Out: -0.000+/-0.000 χ^2/NDF:32.5/23

All: -0.000+/-0.000 χ^2/NDF: 55.9/43



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1777652.5/4

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1014686.7/3

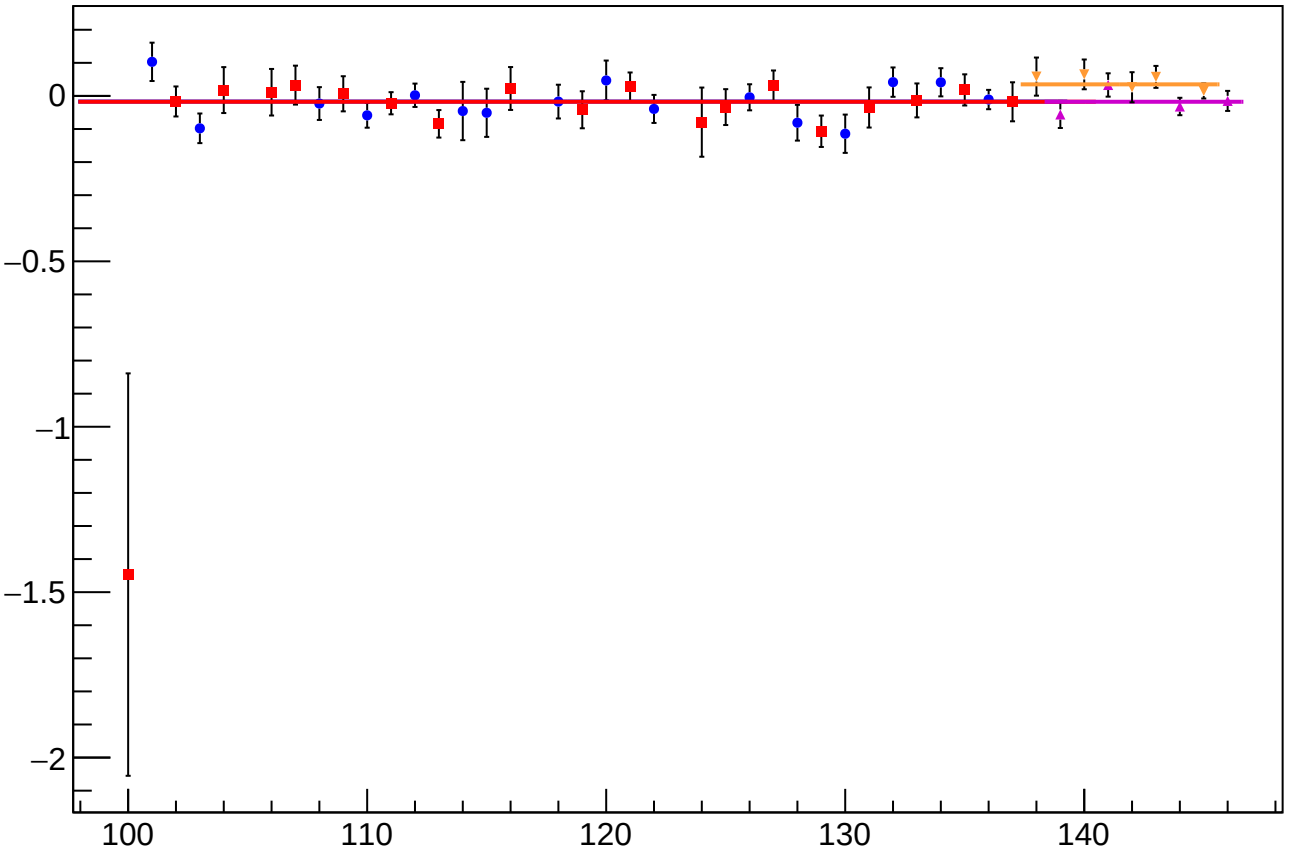
Left: 0.001+/-0.000 χ^2/NDF: 2809844.8/8

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:5465335.2/19

Out: 0.001+/-0.000 χ^2/NDF:6458227.4/23

All: 0.001+/-0.000 χ^2/NDF: 11924322.1/43



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.035+/-0.016 χ^2/NDF:1.9/4

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.018+/-0.016 χ^2/NDF:3.3/3

Left: 0.009+/-0.011 χ^2/NDF: 10.7/8

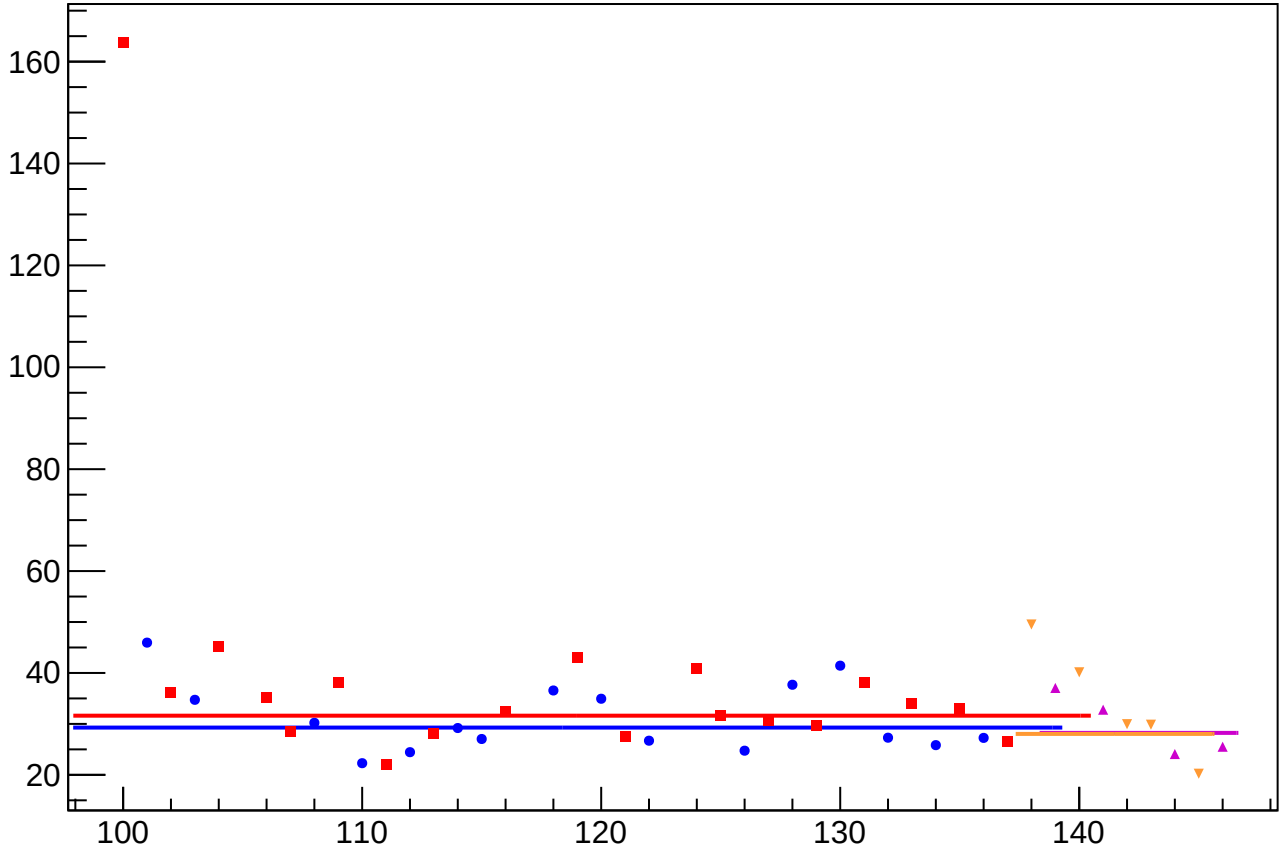
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.009 χ^2/NDF:22.1/19

Out: 0.002+/-0.010 χ^2/NDF:25.8/23

All: -0.008+/-0.007 χ^2/NDF: 50.0/43

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: 28.036+/-0.011 χ^2/NDF:666537.0/4

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.235+/-0.011 χ^2/NDF:192443.3/3

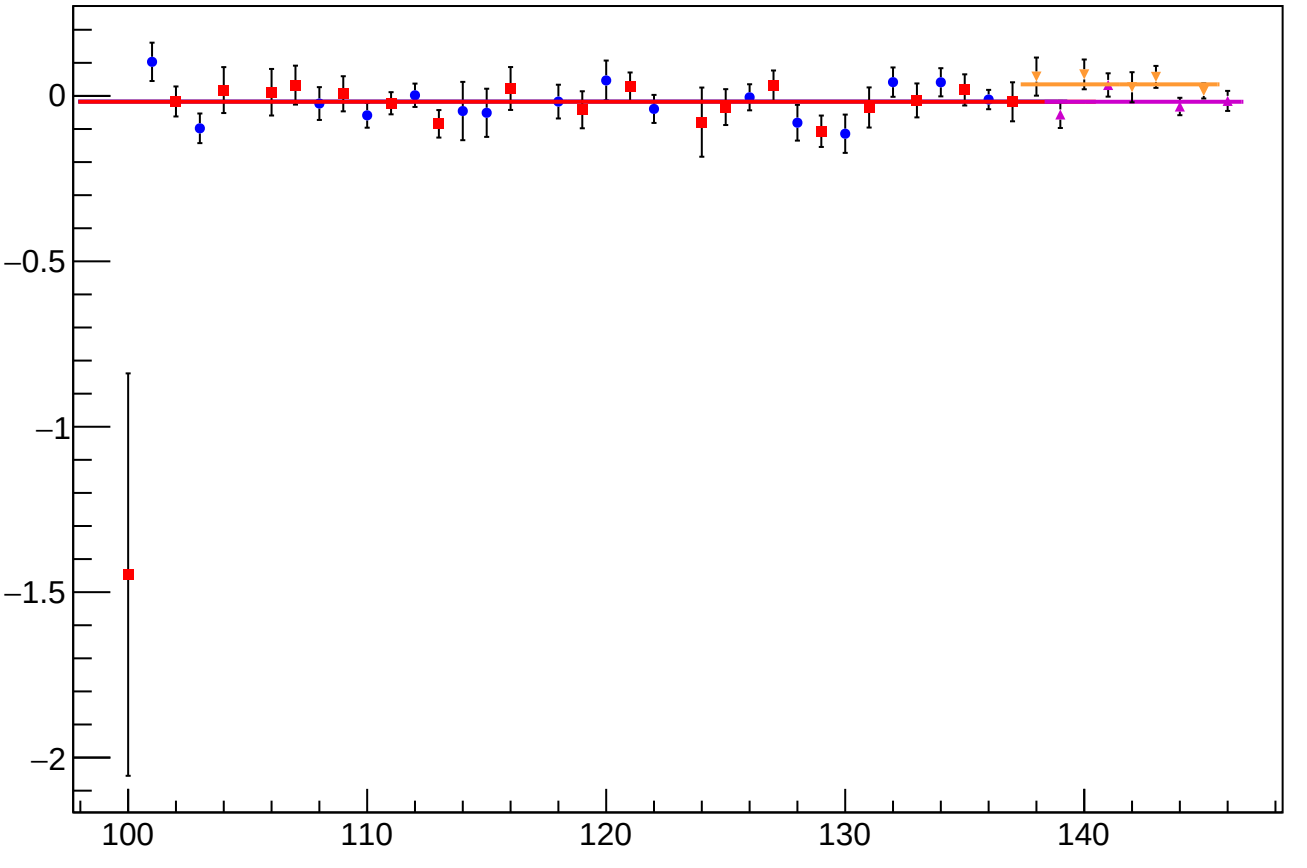
Left: 28.133+/-0.008 χ^2/NDF: 859140.8/8

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.928+/-0.007 χ^2/NDF:758781.9/19

Out: 30.270+/-0.007 χ^2/NDF:1304397.1/23

All: 29.576+/-0.005 χ^2/NDF: 2083548.8/43



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.035+/-0.016 χ^2/NDF:1.9/4

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.018+/-0.016 χ^2/NDF:3.3/3

Left: 0.009+/-0.011 χ^2/NDF: 10.7/8

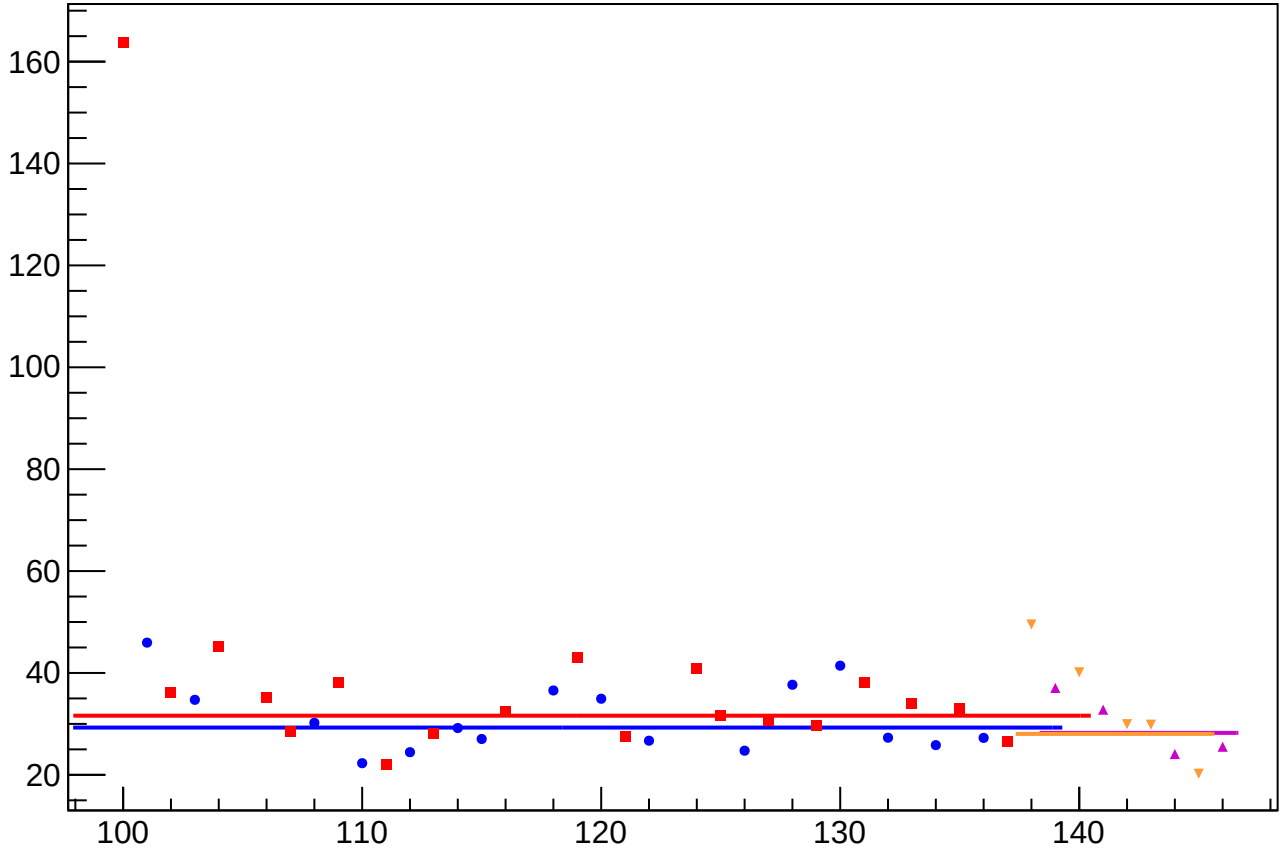
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.009 χ^2/NDF:22.1/19

Out: 0.002+/-0.010 χ^2/NDF:25.8/23

All: -0.008+/-0.007 χ^2/NDF: 50.0/43

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: 28.036+/-0.011 χ^2/NDF:666537.0/4

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.235+/-0.011 χ^2/NDF:192443.3/3

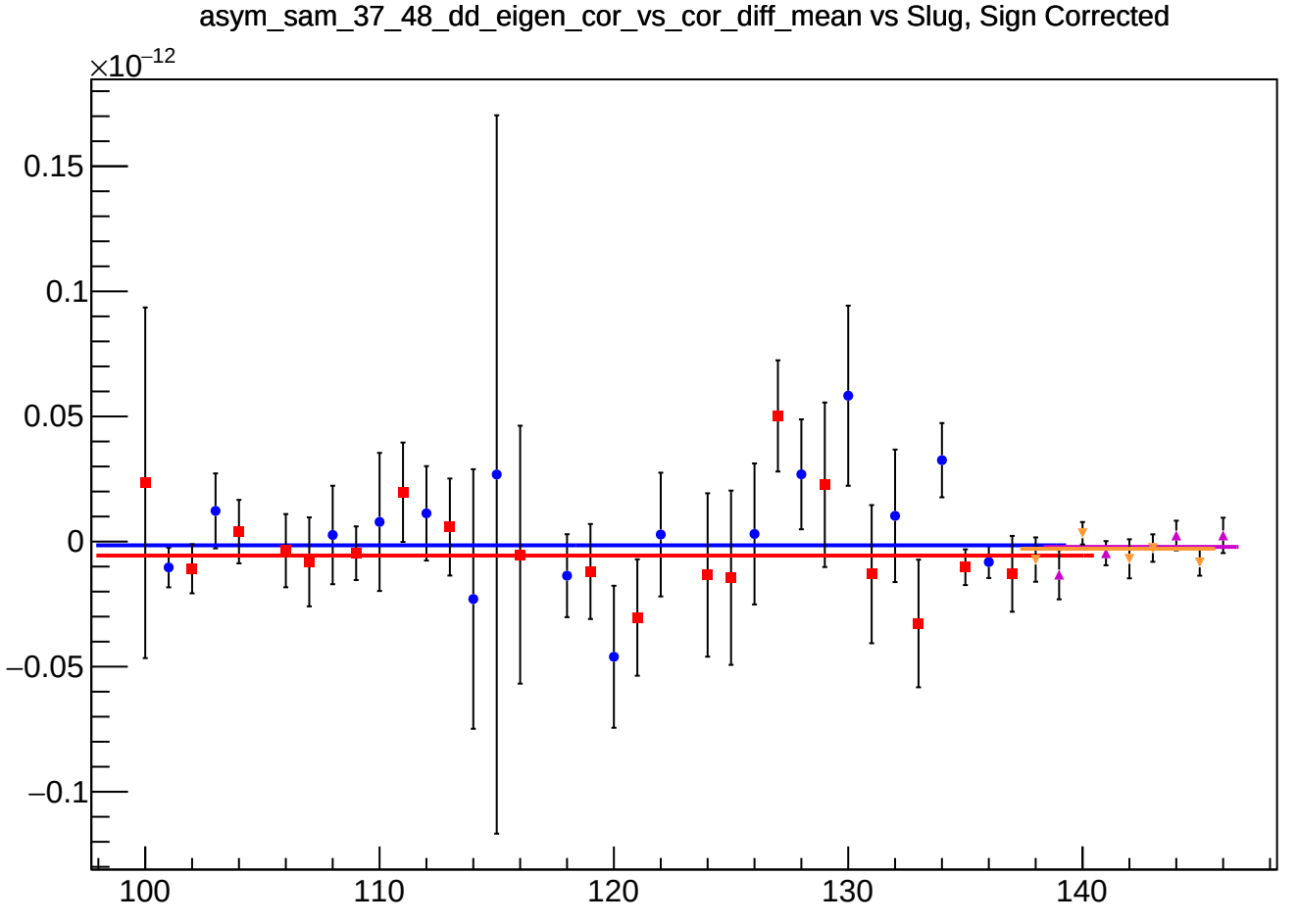
Left: 28.133+/-0.008 χ^2/NDF: 859140.8/8

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.928+/-0.007 χ^2/NDF:758781.9/19

Out: 30.270+/-0.007 χ^2/NDF:1304397.1/23

All: 29.576+/-0.005 χ^2/NDF: 2083548.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/3

Left: -0.000+/-0.000 χ^2/NDF: 6.0/8

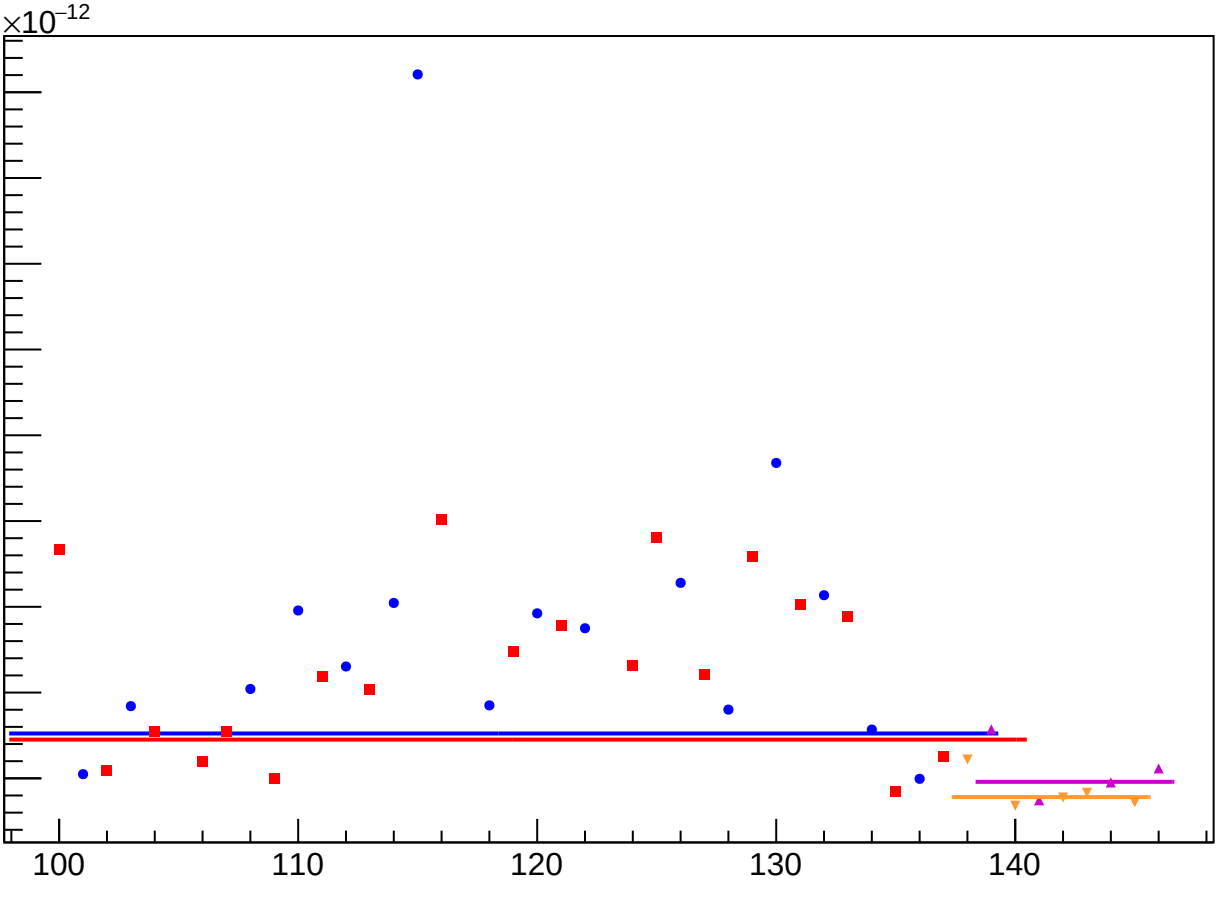
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:19.5/19

Out: -0.000+/-0.000 χ^2/NDF:17.1/23

All: -0.000+/-0.000 χ^2/NDF: 37.0/43

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:158164.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:316067.6/3

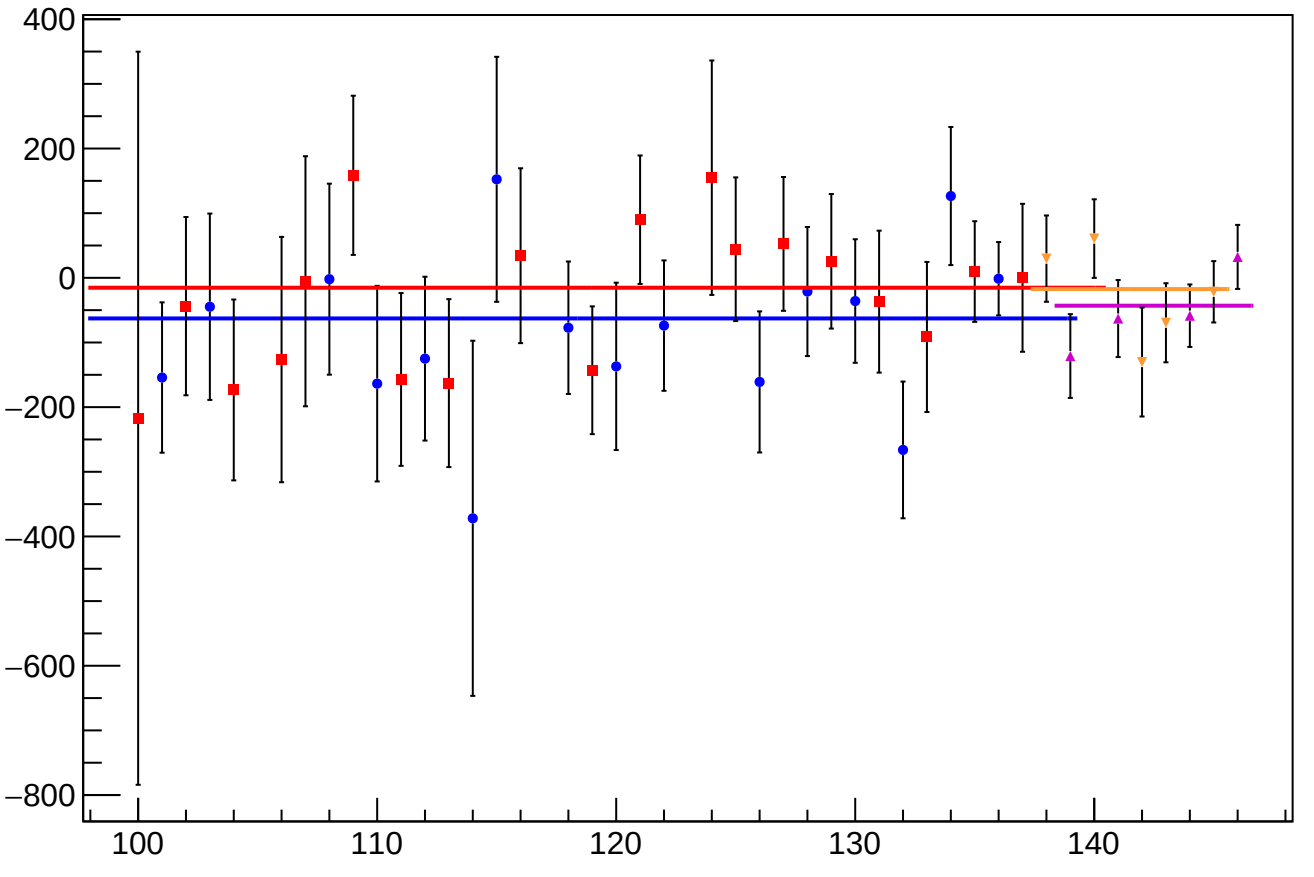
Left: 0.000+/-0.000 χ^2/NDF: 569516.1/8

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:2987425.6/19

Out: 0.000+/-0.000 χ^2/NDF:3274478.3/23

All: 0.000+/-0.000 χ^2/NDF: 6415363.7/43



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -17.376+/-27.239 χ^2/NDF:4.7/4

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -43.101+/-27.160 χ^2/NDF:4.0/3

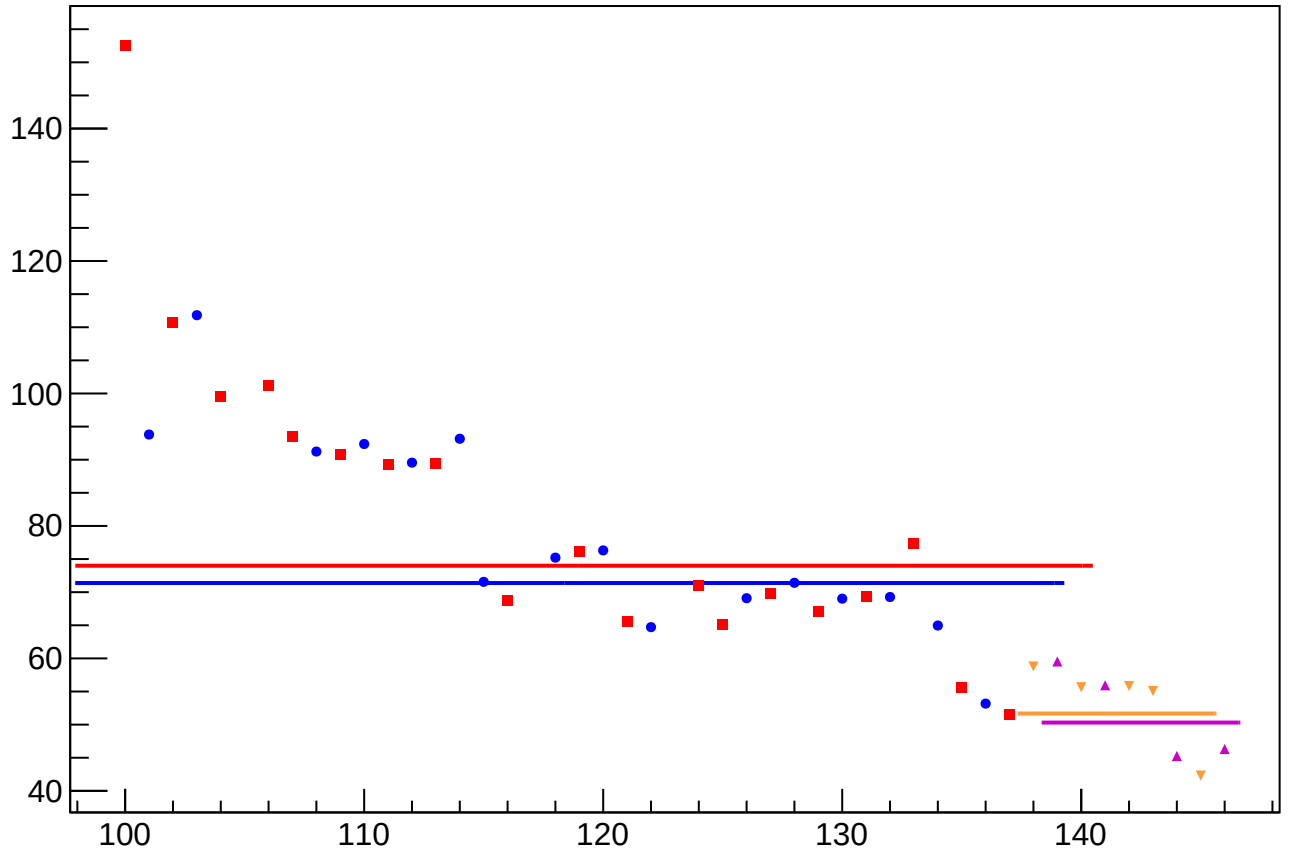
Left: -30.276+/-19.233 χ^2/NDF: 9.1/8

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -52.930+/-19.224 χ^2/NDF:17.7/19

Out: -16.352+/-19.446 χ^2/NDF:16.2/23

All: -34.851+/-13.671 χ^2/NDF: 35.7/43



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 51.677+/-0.019 χ^2/NDF:120187.7/4

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

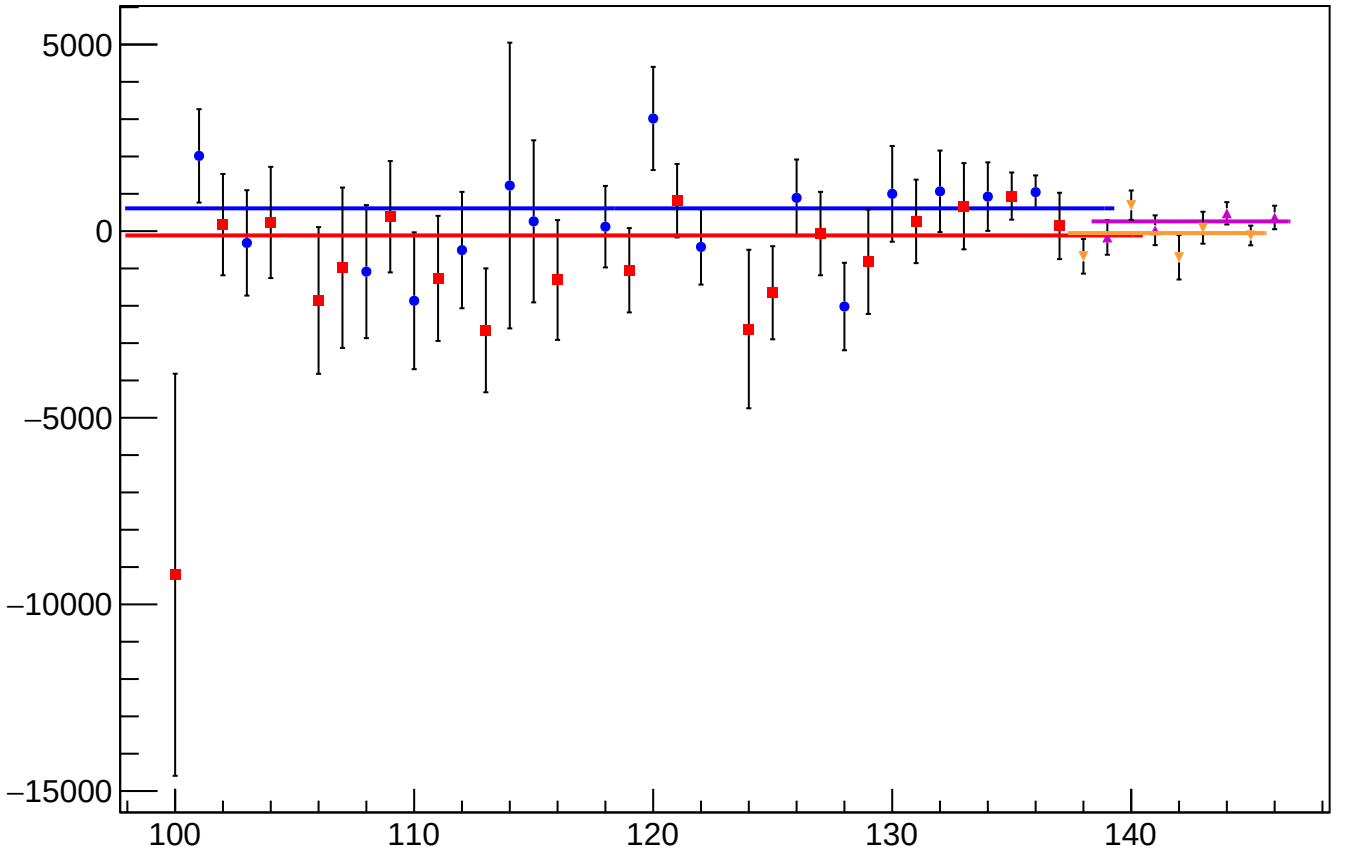
Left: 50.993+/-0.014 χ^2/NDF: 215934.2/8

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.827+/-0.014 χ^2/NDF:1284848.2/19

Out: 62.620+/-0.014 χ^2/NDF:1416923.0/23

All: 61.713+/-0.010 χ^2/NDF: 2710367.5/43



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: -52.036+/-172.109 χ^2/NDF:6.8/4

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 260.939+/-176.338 χ^2/NDF:1.8/3

Left: 100.654+/-123.168 χ^2/NDF: 10.2/8

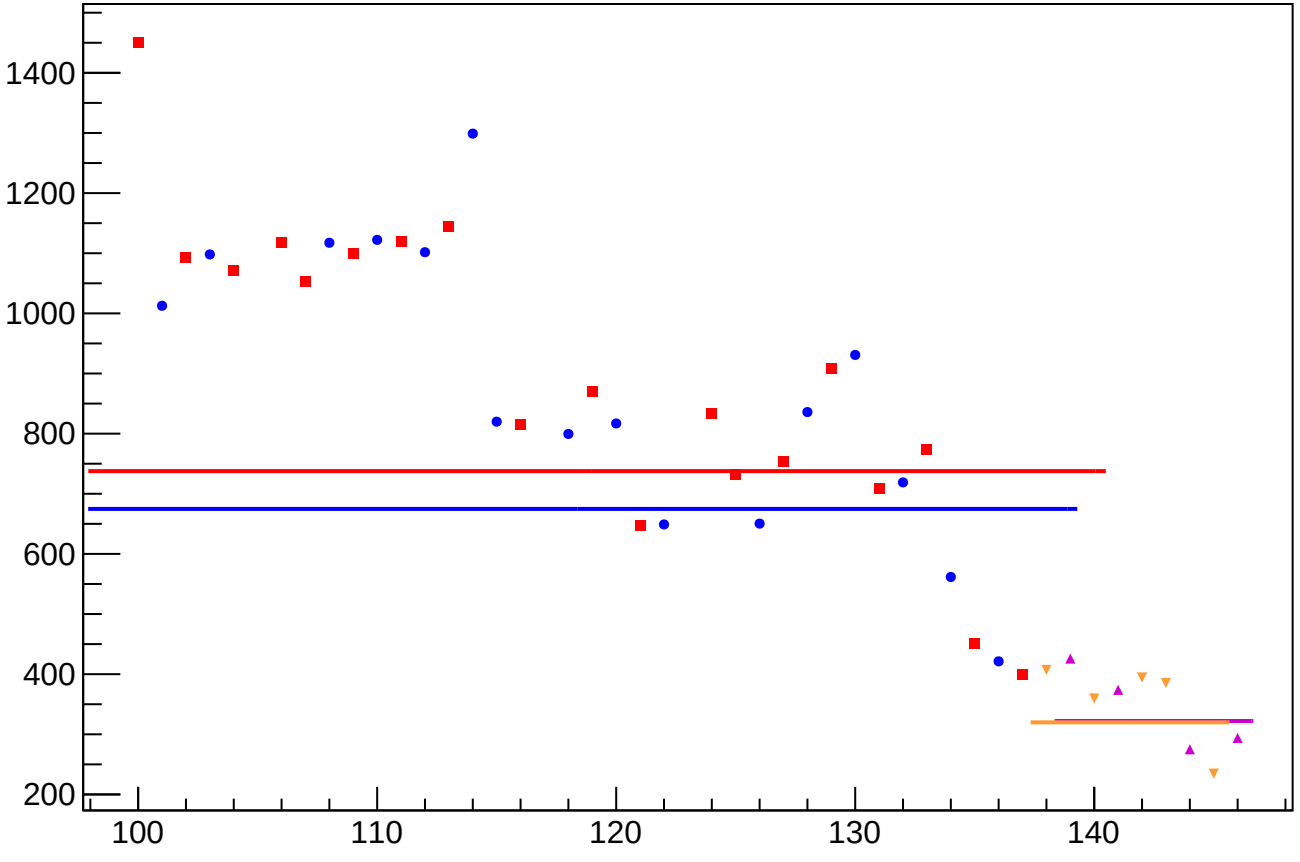
Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 367.233+/-147.110 χ^2/NDF:18.7/19

Out: -68.823+/-147.233 χ^2/NDF:22.3/23

All: 149.387+/-104.066 χ^2/NDF: 45.5/43

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: 319.860+/-0.122 χ^2/NDF:378397.8/4

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 322.112+/-0.125 χ^2/NDF:199158.9/3

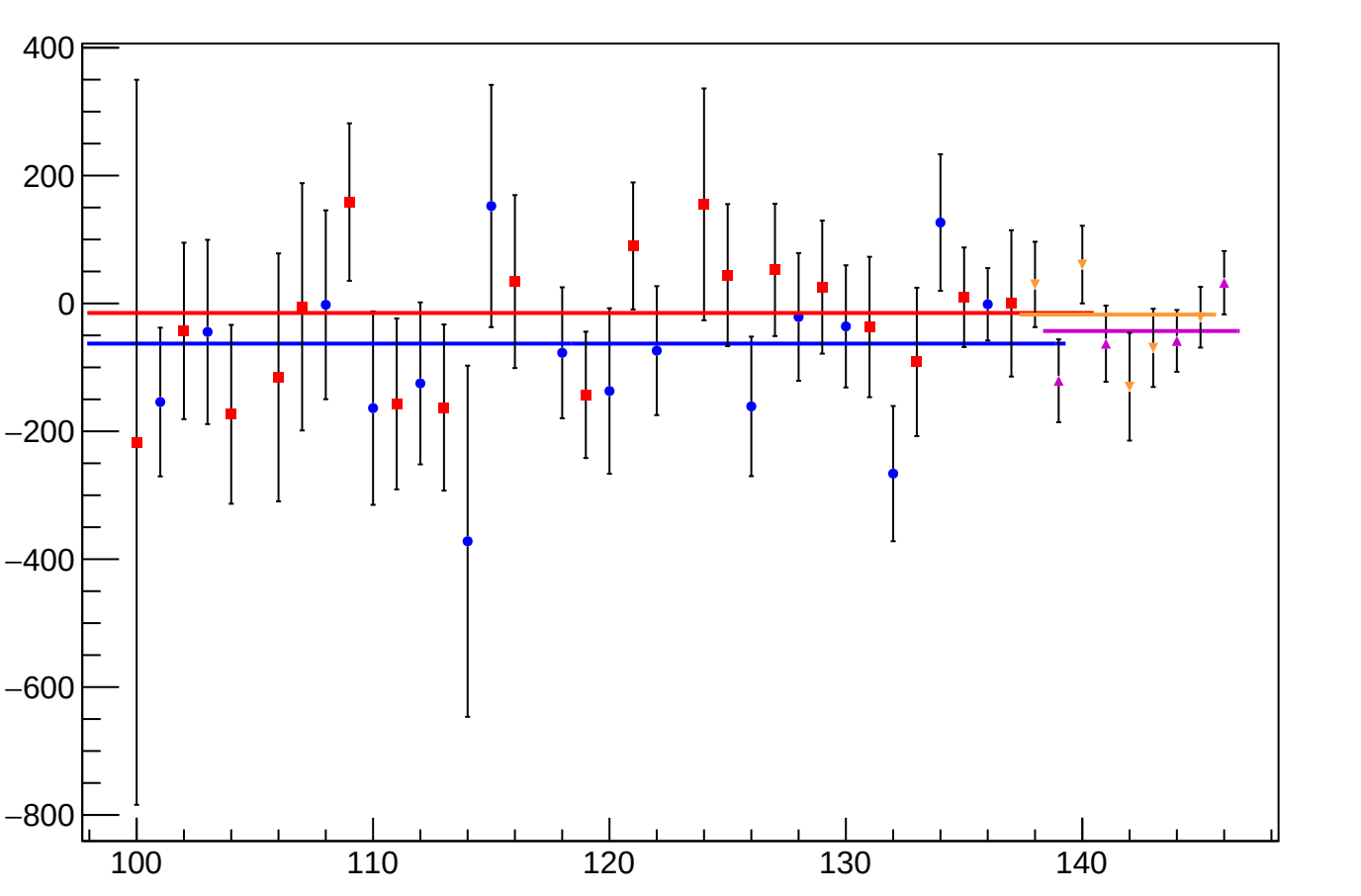
Left: 320.958+/-0.087 χ^2/NDF: 577723.7/8

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 429.347+/-0.104 χ^2/NDF:4249533.9/19

Out: 431.908+/-0.104 χ^2/NDF:5056059.1/23

All: 430.627+/-0.074 χ^2/NDF: 9305896.0/43



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -17.373+/-27.239 χ^2/NDF:4.7/4

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -43.102+/-27.160 χ^2/NDF:4.0/3

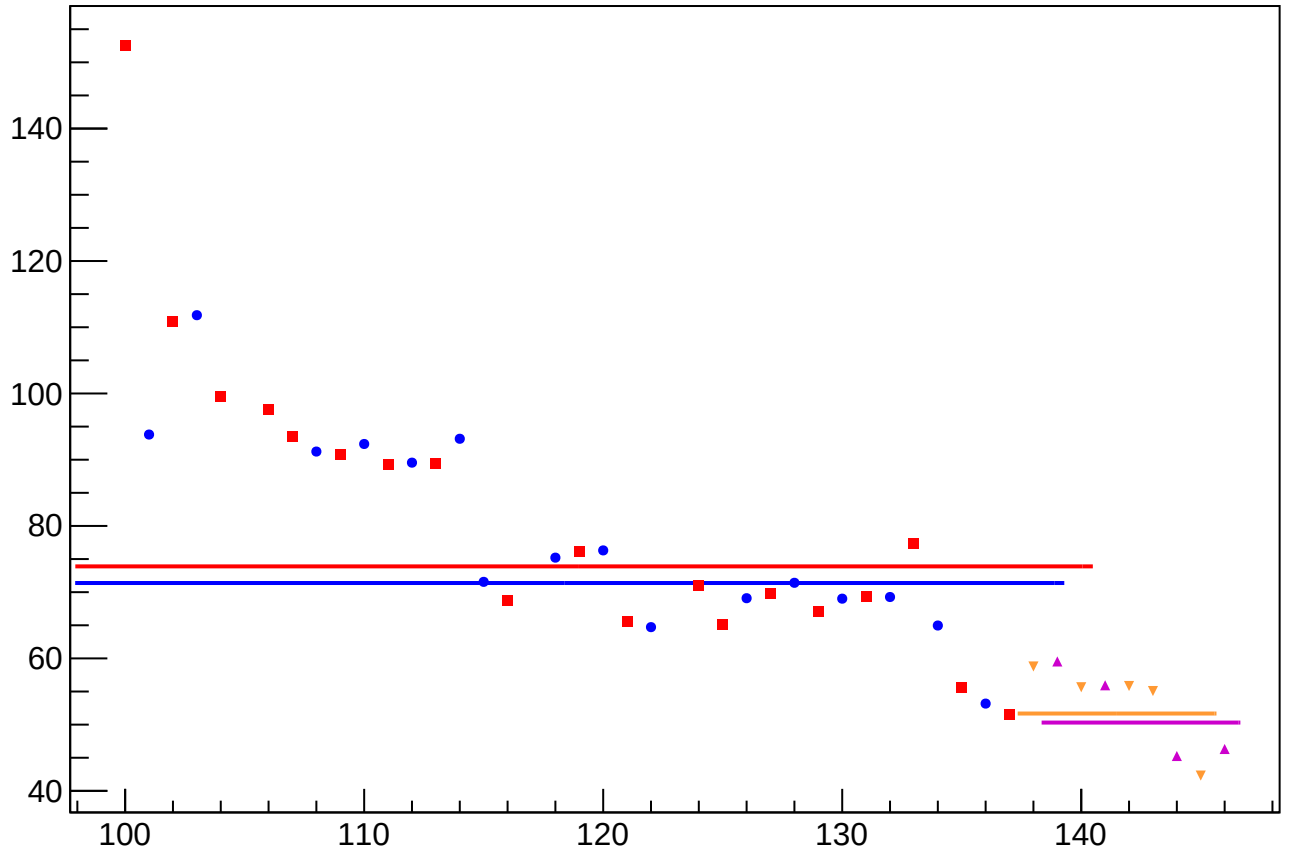
Left: -30.275+/-19.233 χ^2/NDF: 9.1/8

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -52.927+/-19.224 χ^2/NDF:17.7/19

Out: -16.176+/-19.450 χ^2/NDF:16.1/23

All: -34.767+/-13.673 χ^2/NDF: 35.6/43



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 51.677+/-0.019 χ^2/NDF:120187.7/4

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

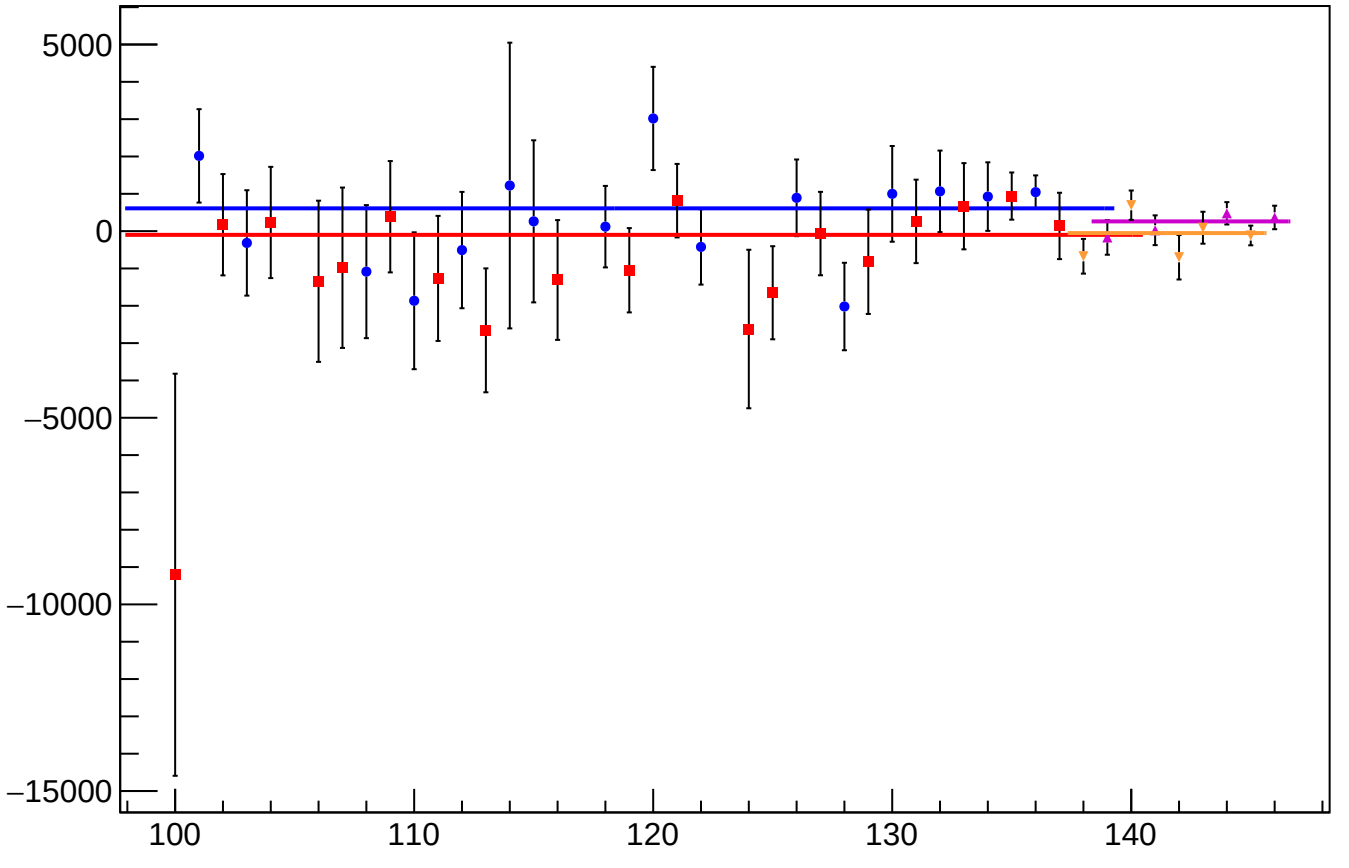
Left: 50.993+/-0.014 χ^2/NDF: 215934.2/8

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.827+/-0.014 χ^2/NDF:1284850.8/19

Out: 62.566+/-0.014 χ^2/NDF:1399303.3/23

All: 61.686+/-0.010 χ^2/NDF: 2692236.5/43



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -52.036+/-172.109 χ^2/NDF:6.8/4

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 260.935+/-176.338 χ^2/NDF:1.8/3

Left: 100.651+/-123.167 χ^2/NDF: 10.2/8

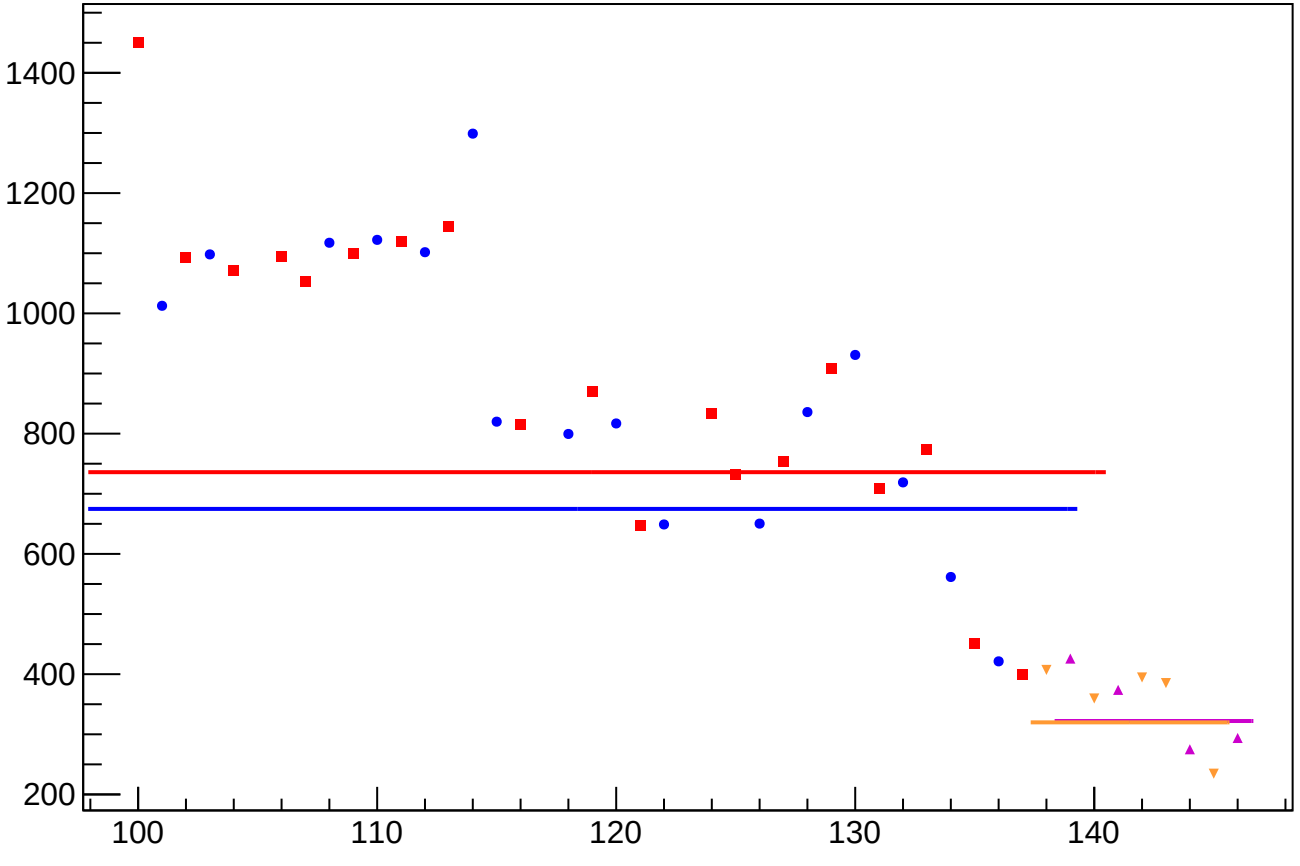
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 367.226+/-147.111 χ^2/NDF:18.7/19

Out: -64.746+/-147.305 χ^2/NDF:21.9/23

All: 151.526+/-104.092 χ^2/NDF: 44.9/43

asym_sam_15_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 319.859+/-0.122 χ^2/NDF:378402.3/4

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 322.112+/-0.125 χ^2/NDF:199159.6/3

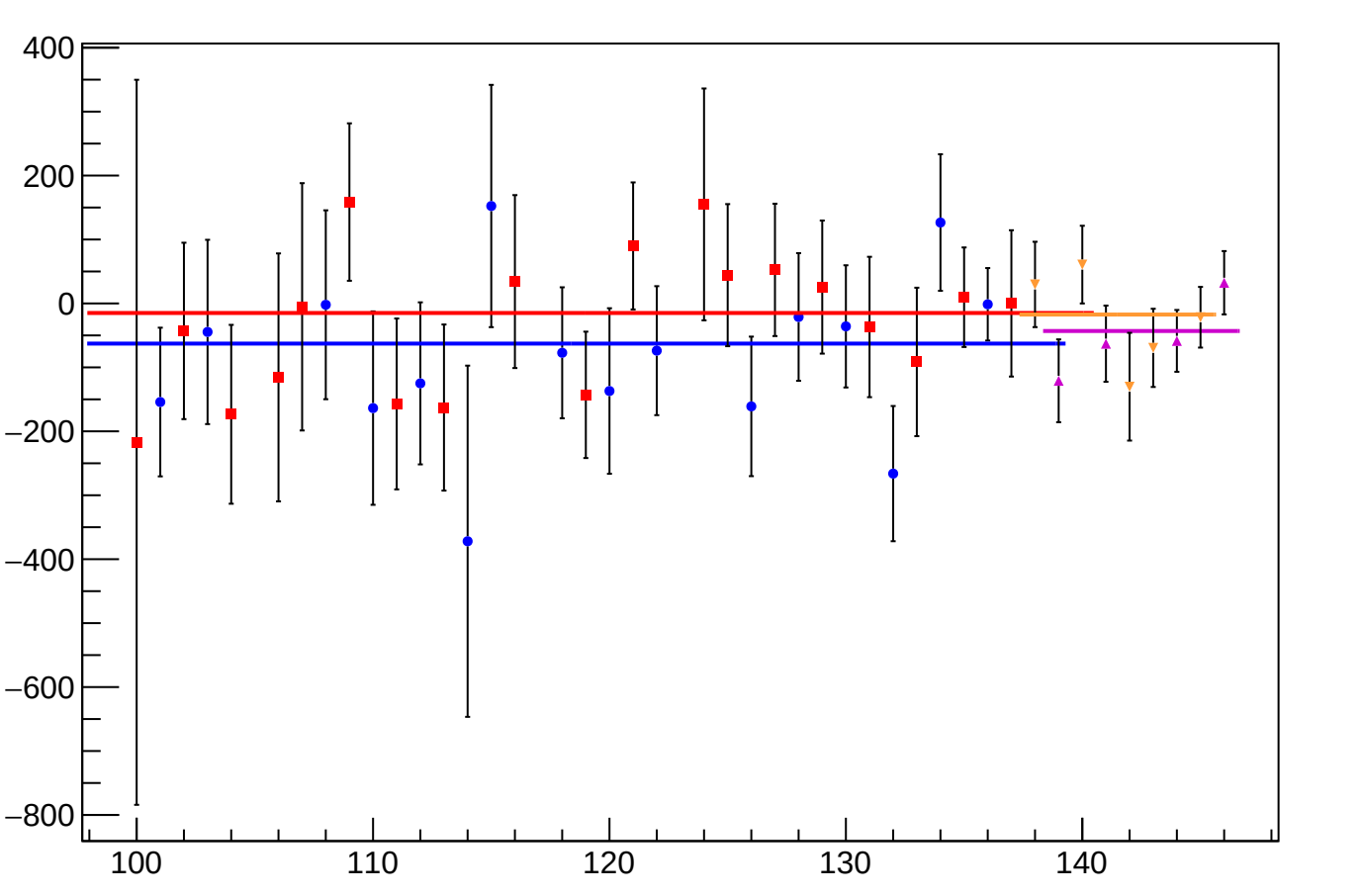
Left: 320.958+/-0.087 χ^2/NDF: 577729.0/8

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 429.347+/-0.104 χ^2/NDF:4249558.1/19

Out: 431.140+/-0.104 χ^2/NDF:5001441.5/23

All: 430.242+/-0.074 χ^2/NDF: 9251147.9/43



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -17.373+/-27.239 χ^2/NDF:4.7/4

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -43.102+/-27.160 χ^2/NDF:4.0/3

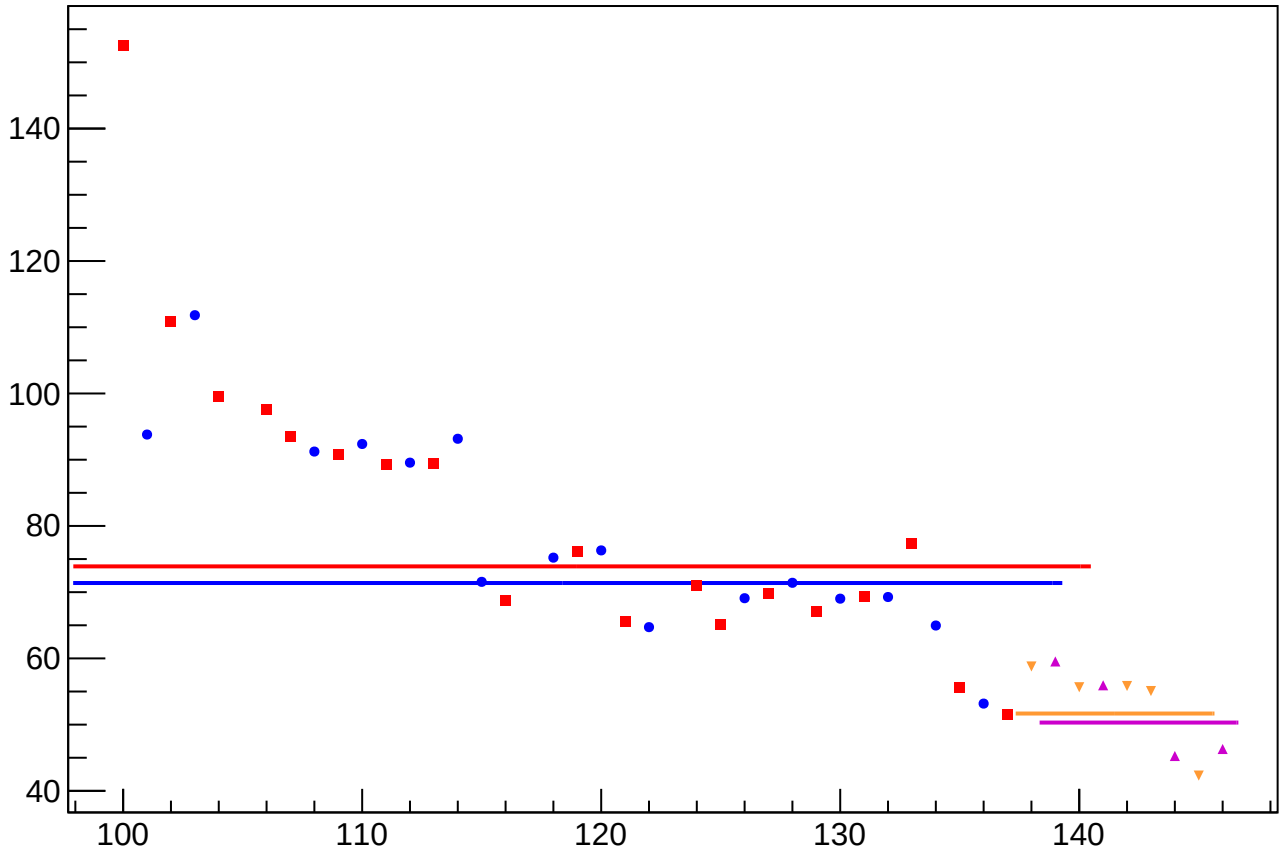
Left: -30.275+/-19.233 χ^2/NDF: 9.1/8

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -52.927+/-19.224 χ^2/NDF:17.7/19

Out: -16.176+/-19.450 χ^2/NDF:16.1/23

All: -34.767+/-13.673 χ^2/NDF: 35.6/43



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 51.677+/-0.019 χ^2/NDF:120187.7/4

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

Left: 50.993+/-0.014 χ^2/NDF: 215934.2/8

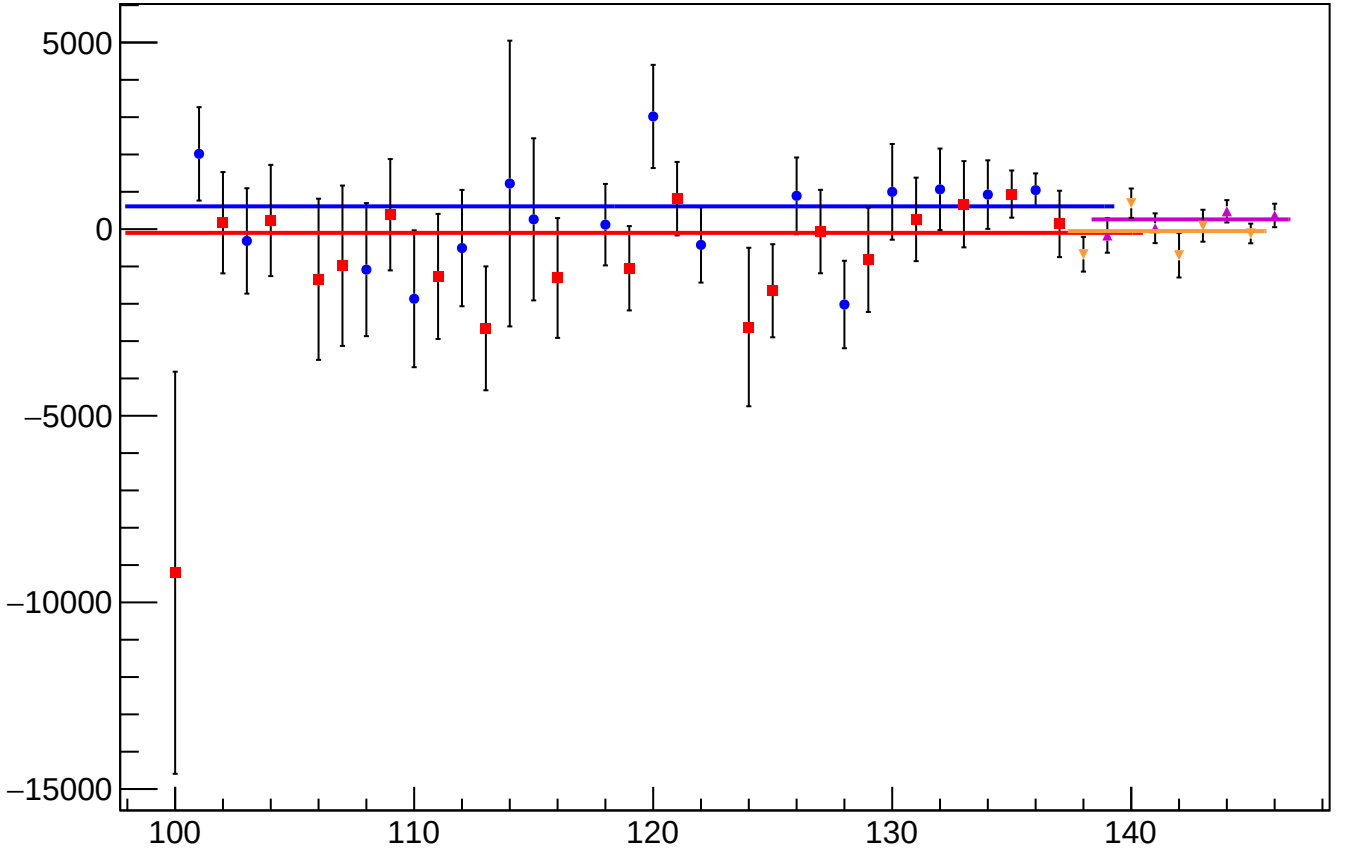
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.827+/-0.014 χ^2/NDF:1284850.8/19

Out: 62.566+/-0.014 χ^2/NDF:1399303.3/23

All: 61.686+/-0.010 χ^2/NDF: 2692236.5/43

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: -52.036+/-172.109 χ^2/NDF:6.8/4

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 260.935+/-176.338 χ^2/NDF:1.8/3

Left: 100.651+/-123.167 χ^2/NDF: 10.2/8

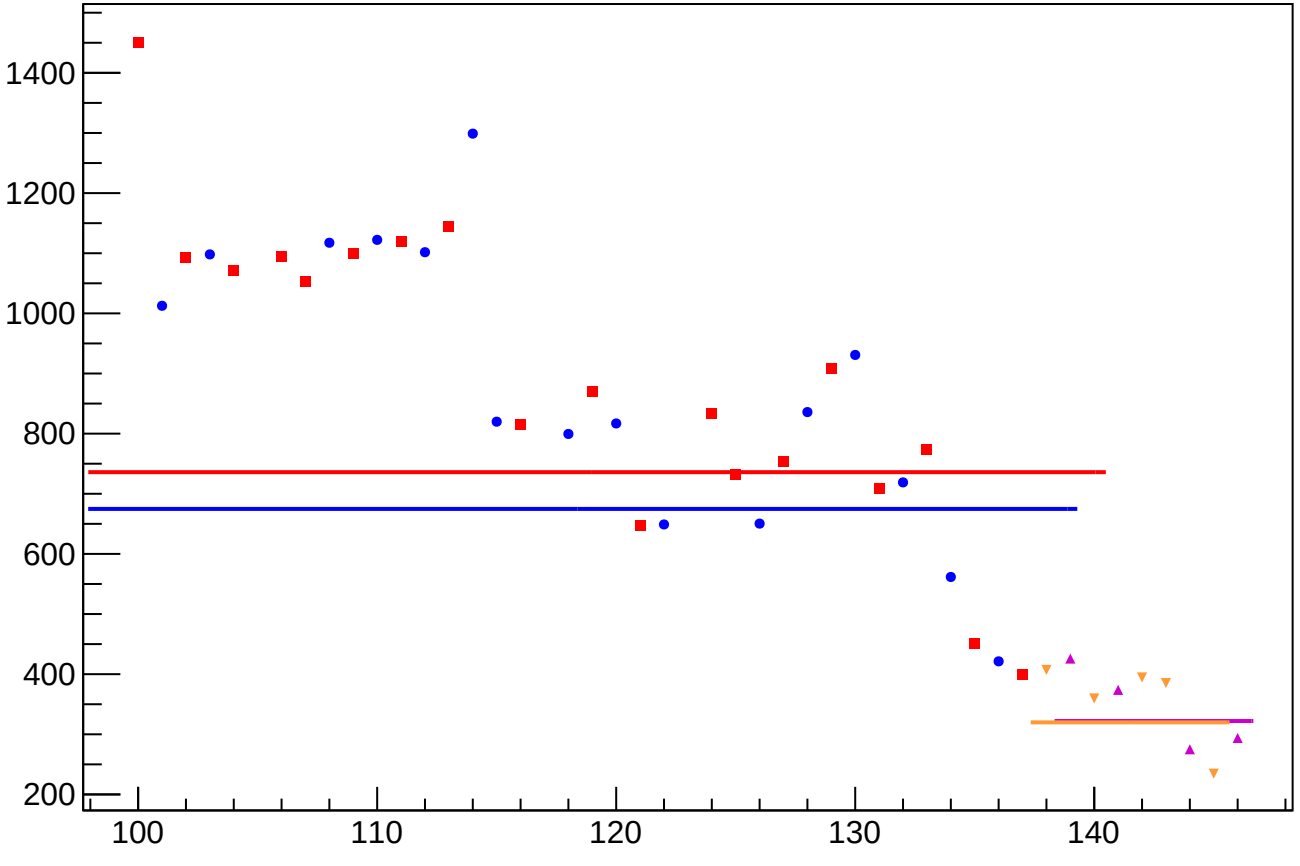
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 367.226+/-147.111 χ^2/NDF:18.7/19

Out: -64.746+/-147.305 χ^2/NDF:21.9/23

All: 151.526+/-104.092 χ^2/NDF: 44.9/43

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: 319.859+/-0.122 χ^2/NDF:378402.3/4

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 322.112+/-0.125 χ^2/NDF:199159.6/3

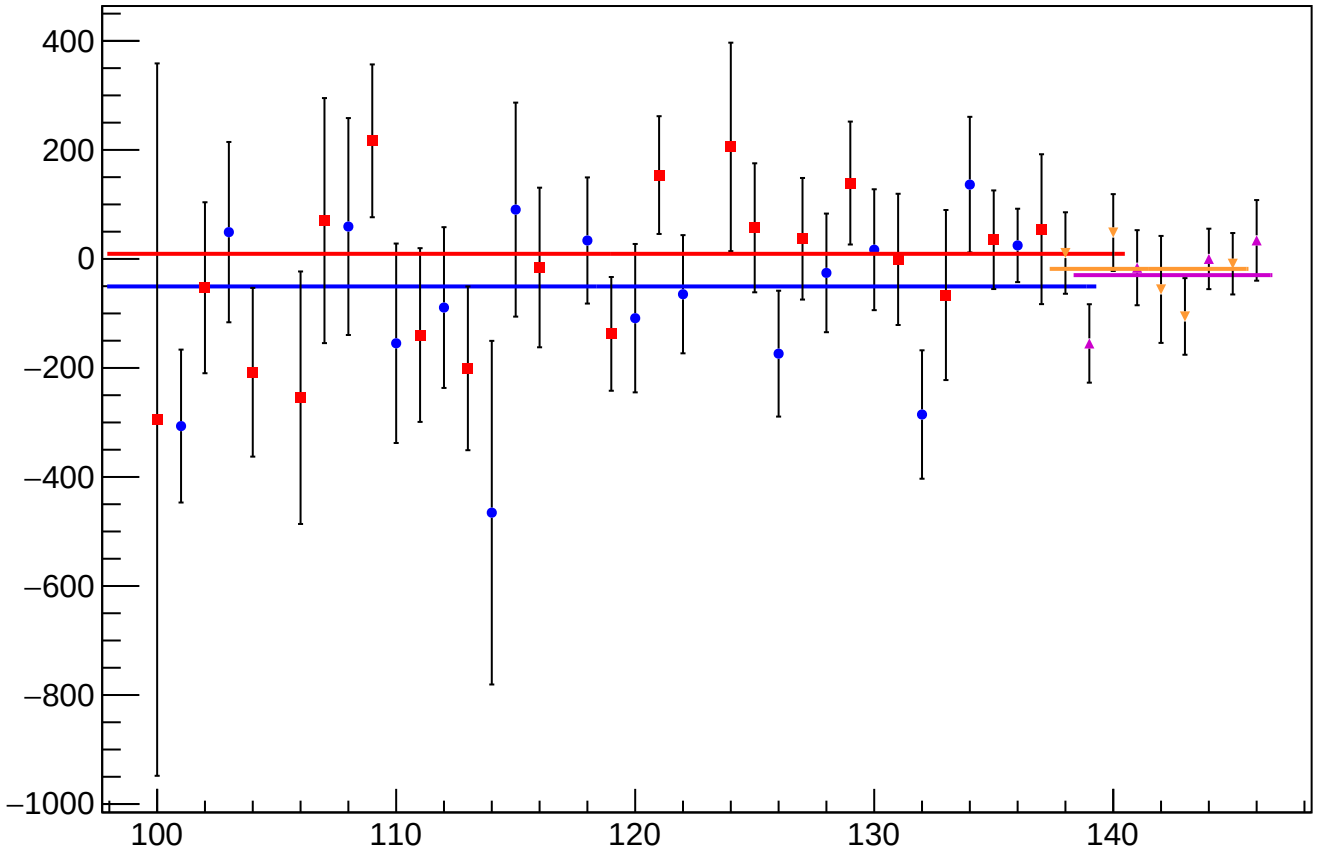
Left: 320.958+/-0.087 χ^2/NDF: 577729.0/8

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 429.347+/-0.104 χ^2/NDF:4249558.1/19

Out: 431.140+/-0.104 χ^2/NDF:5001441.5/23

All: 430.242+/-0.074 χ^2/NDF: 9251147.9/43



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -18.225+/-31.599 χ^2/NDF:2.8/4

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -29.716+/-33.108 χ^2/NDF:4.1/3

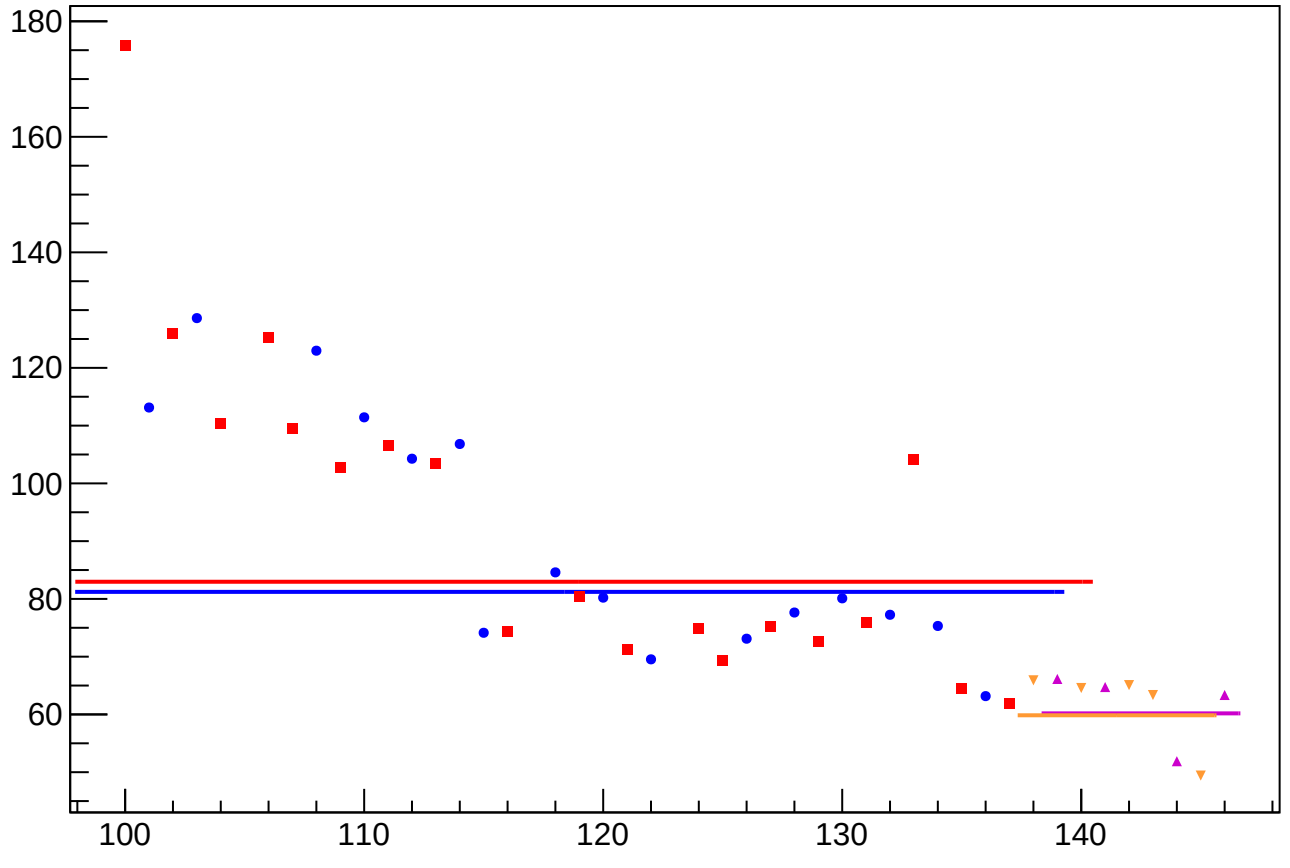
Left: -23.702+/-22.859 χ^2/NDF: 6.9/8

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -40.752+/-22.653 χ^2/NDF:20.7/19

Out: -4.262+/-22.214 χ^2/NDF:18.7/23

All: -22.150+/-15.860 χ^2/NDF: 40.8/43



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 59.852+/-0.022 χ^2/NDF:101336.7/4

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 60.184+/-0.023 χ^2/NDF:70865.1/3

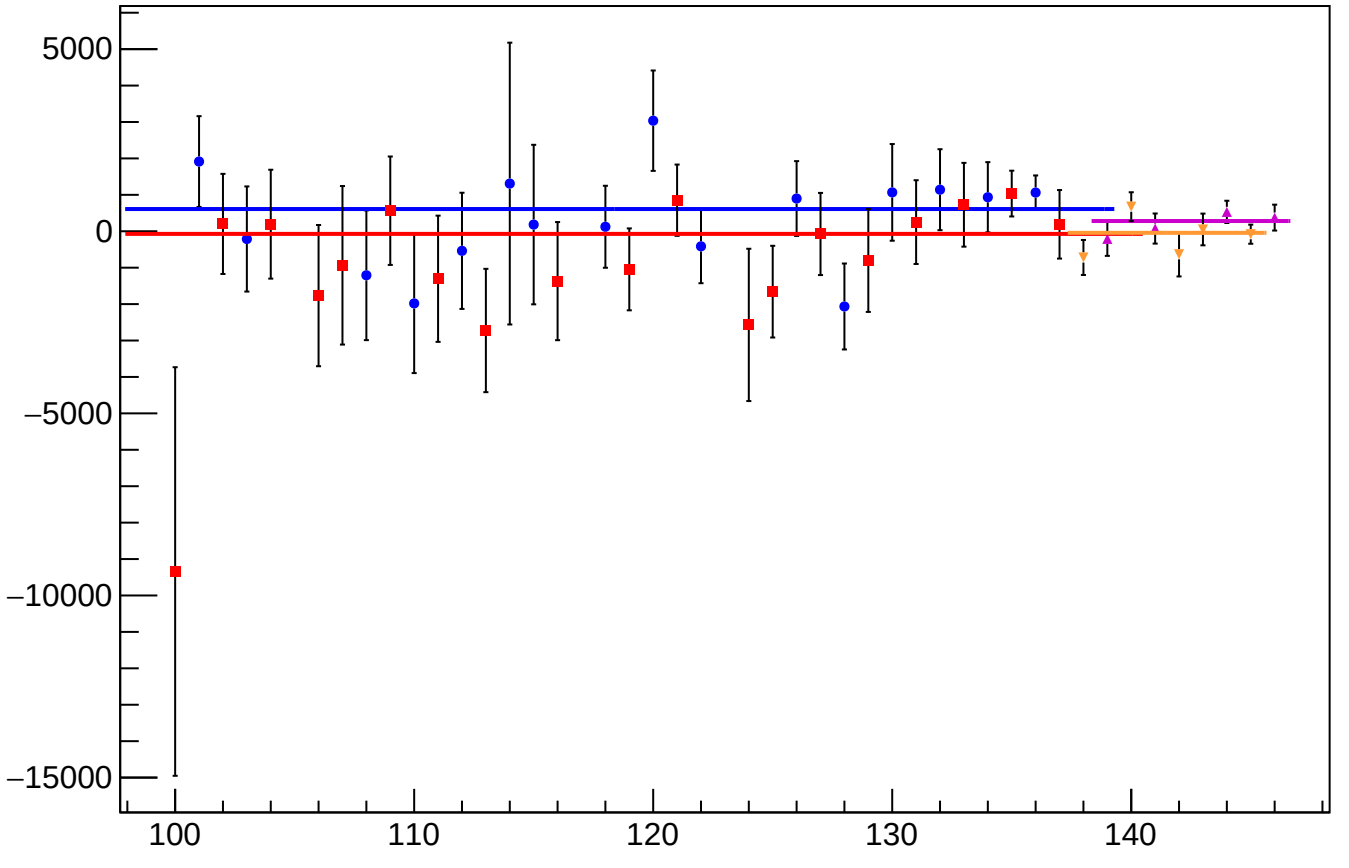
Left: 60.010+/-0.016 χ^2/NDF: 172306.7/8

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.371+/-0.016 χ^2/NDF:1163095.2/19

Out: 71.546+/-0.016 χ^2/NDF:1373200.8/23

All: 71.460+/-0.011 χ^2/NDF: 2536356.5/43



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: -42.946+/-173.523 χ^2/NDF:6.3/4

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 280.962+/-185.458 χ^2/NDF:2.1/3

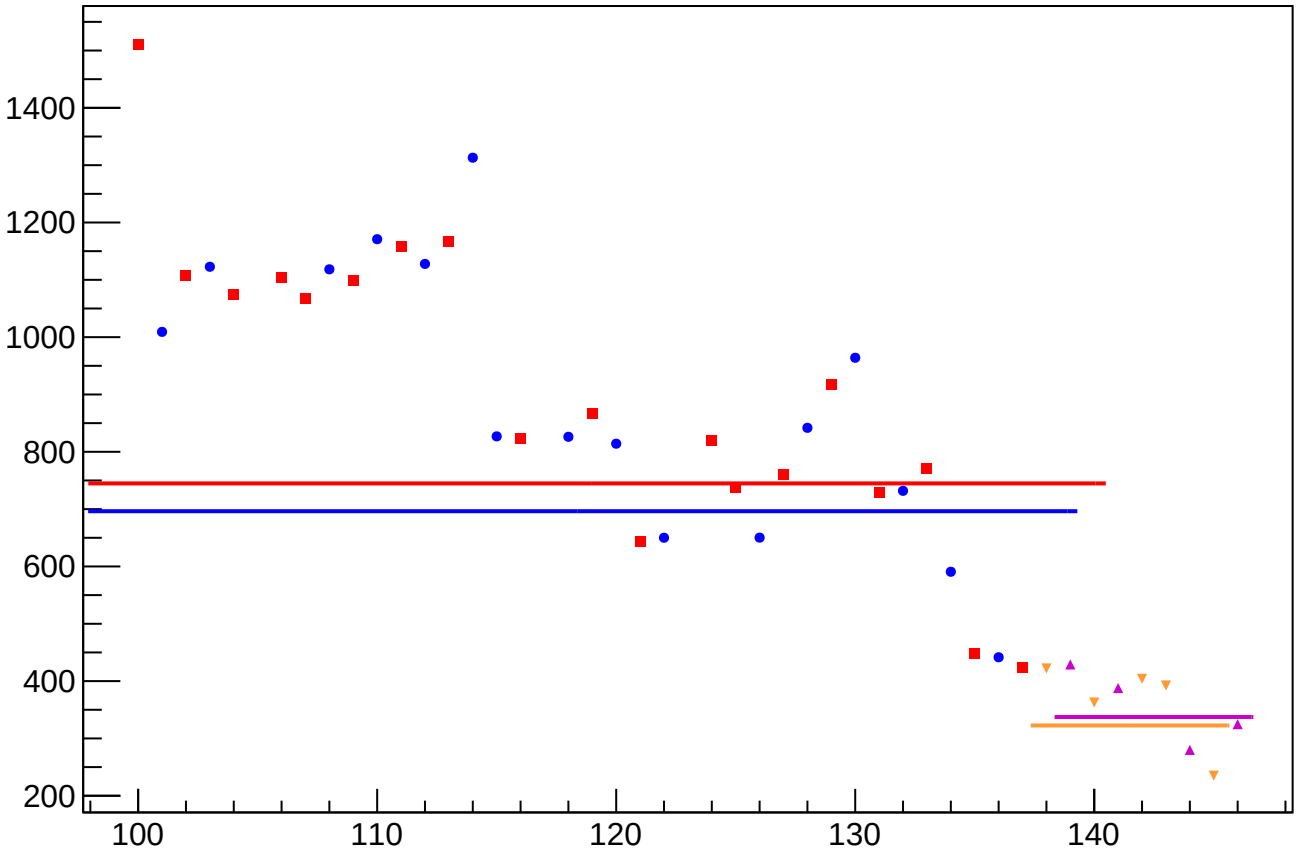
Left: 108.252+/-126.709 χ^2/NDF: 10.0/8

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 384.472+/-153.581 χ^2/NDF:18.9/19

Out: -50.814+/-148.469 χ^2/NDF:22.5/23

All: 159.464+/-106.745 χ^2/NDF: 45.5/43



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 322.598+/-0.123 χ^2/NDF:416148.8/4

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 337.393+/-0.131 χ^2/NDF:179928.4/3

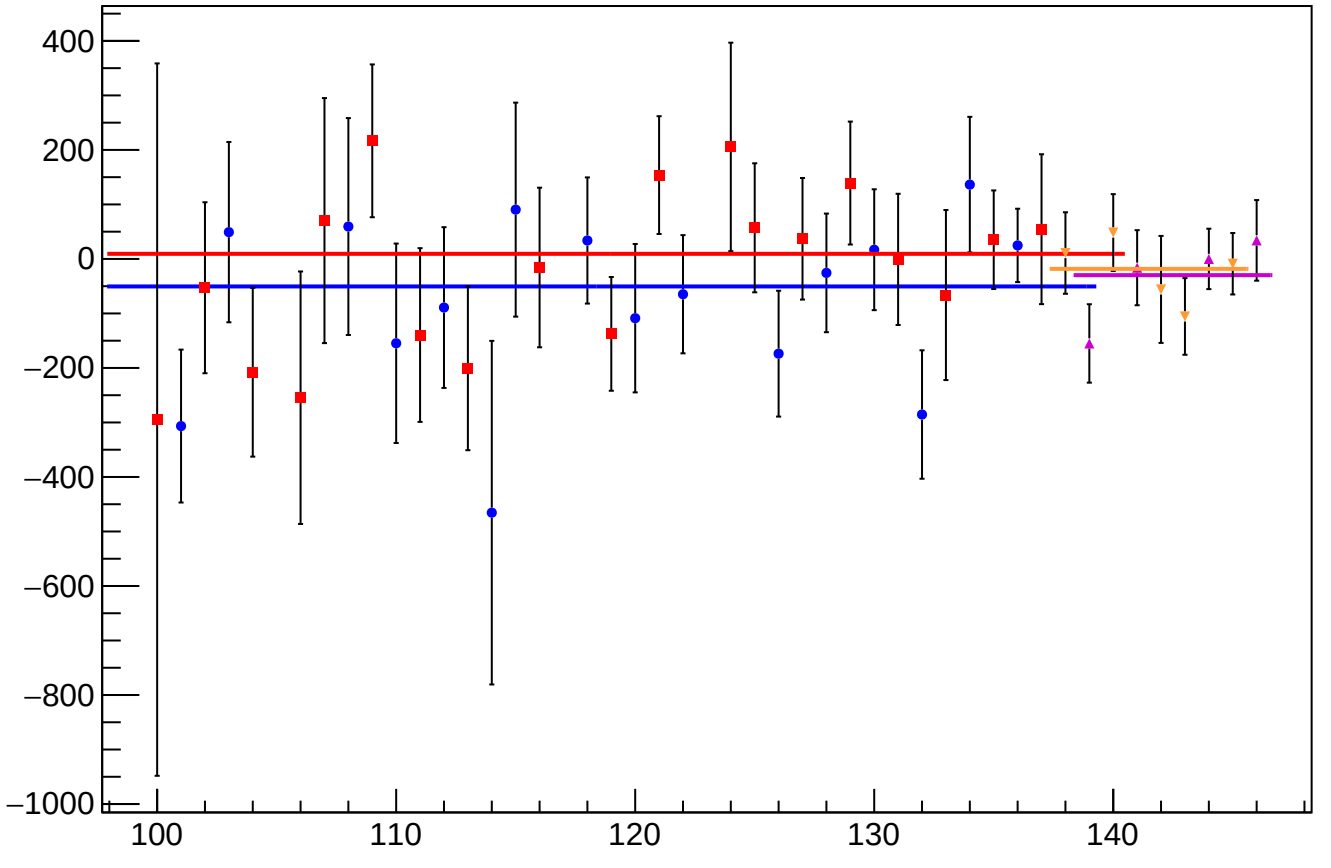
Left: 329.504+/-0.090 χ^2/NDF: 602863.8/8

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 450.190+/-0.109 χ^2/NDF:4049954.4/19

Out: 435.738+/-0.105 χ^2/NDF:5087931.3/23

All: 442.720+/-0.075 χ^2/NDF: 9147040.3/43



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -18.223+/-31.599 χ^2/NDF:2.8/4

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -29.715+/-33.108 χ^2/NDF:4.1/3

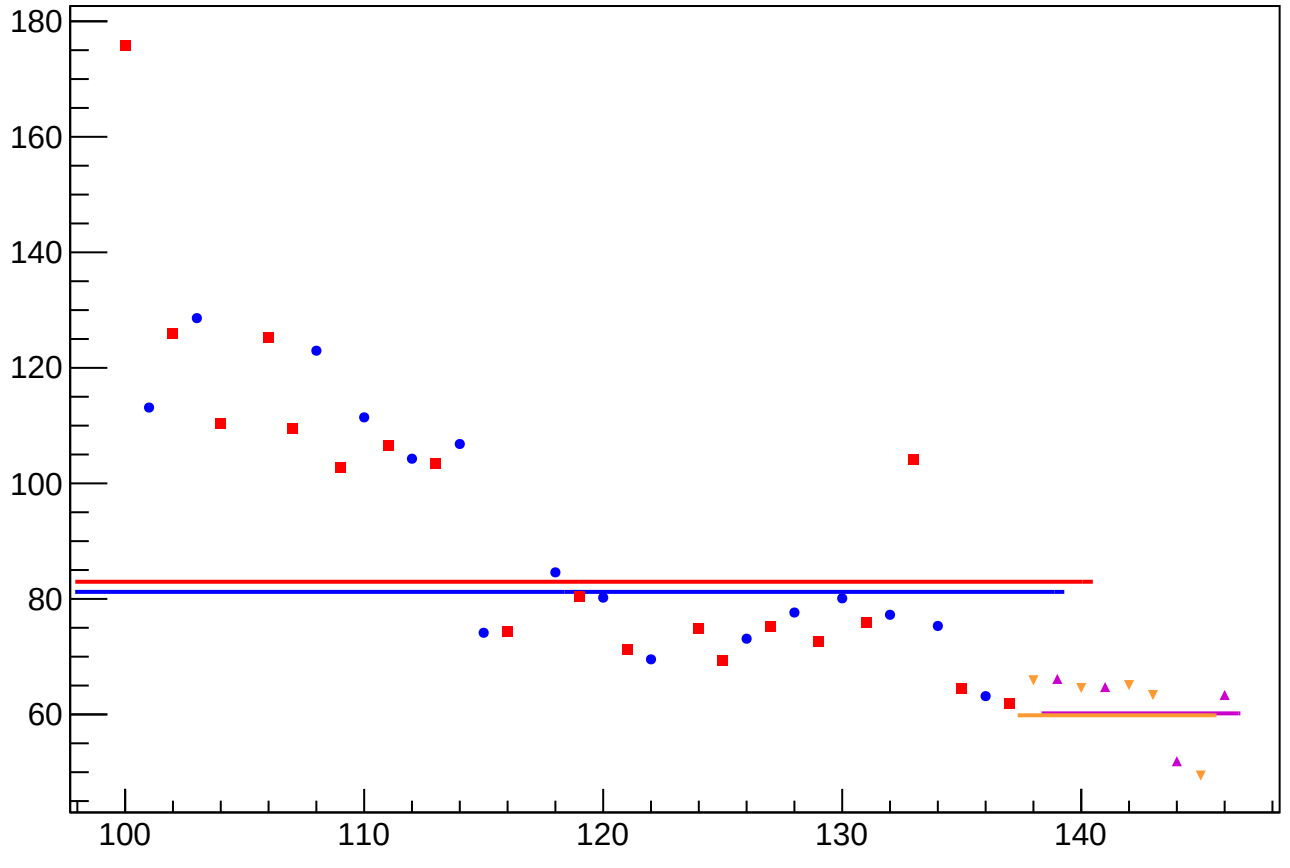
Left: -23.701+/-22.859 χ^2/NDF: 6.9/8

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -40.752+/-22.653 χ^2/NDF:20.7/19

Out: -4.261+/-22.214 χ^2/NDF:18.7/23

All: -22.149+/-15.860 χ^2/NDF: 40.8/43



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 59.853+/-0.022 χ^2/NDF:101333.8/4

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 60.184+/-0.023 χ^2/NDF:70865.8/3

Left: 60.011+/-0.016 χ^2/NDF: 172304.4/8

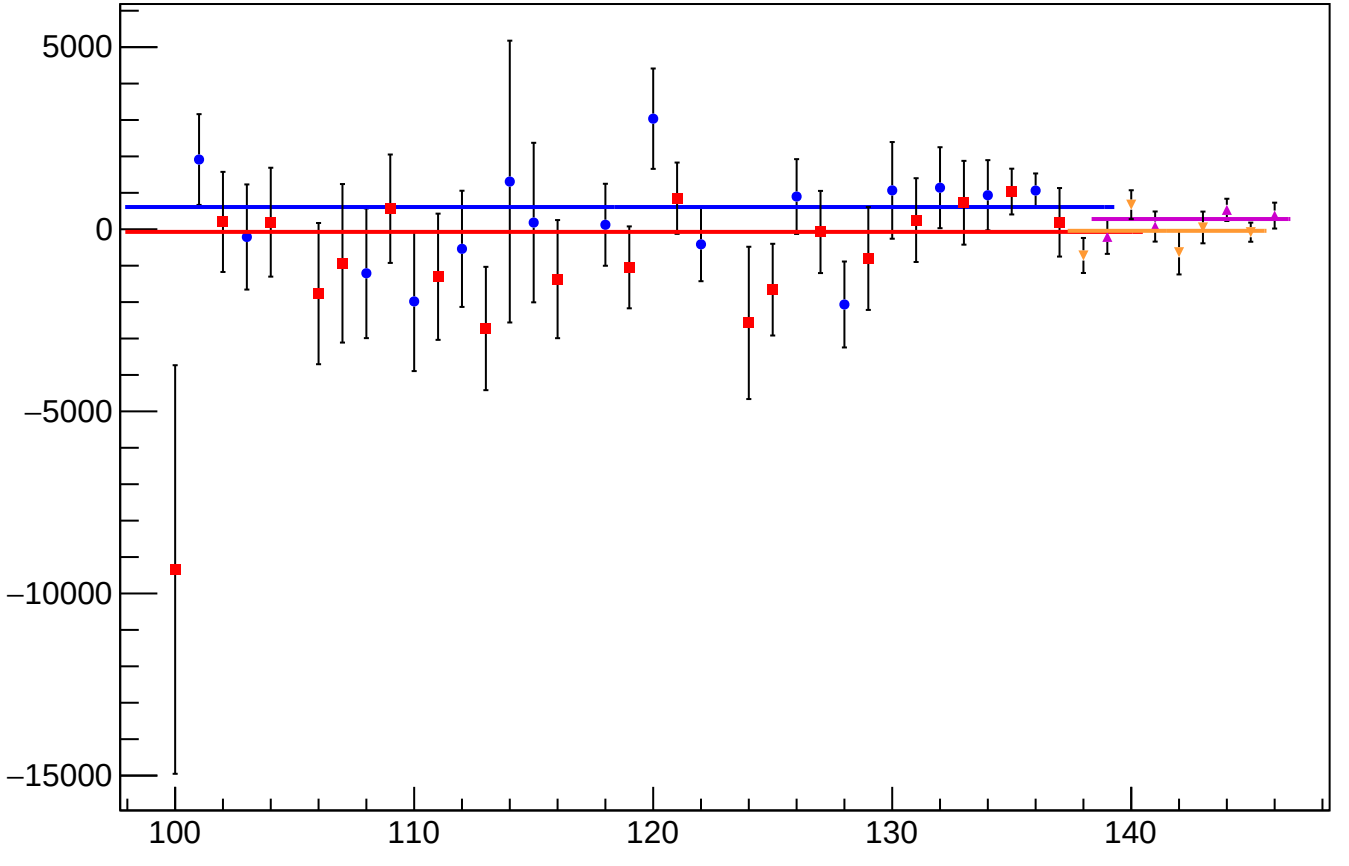
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.371+/-0.016 χ^2/NDF:1163055.2/19

Out: 71.546+/-0.016 χ^2/NDF:1373162.3/23

All: 71.460+/-0.011 χ^2/NDF: 2536278.1/43

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: -42.945+/-173.523 χ^2/NDF:6.3/4

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 280.962+/-185.458 χ^2/NDF:2.1/3

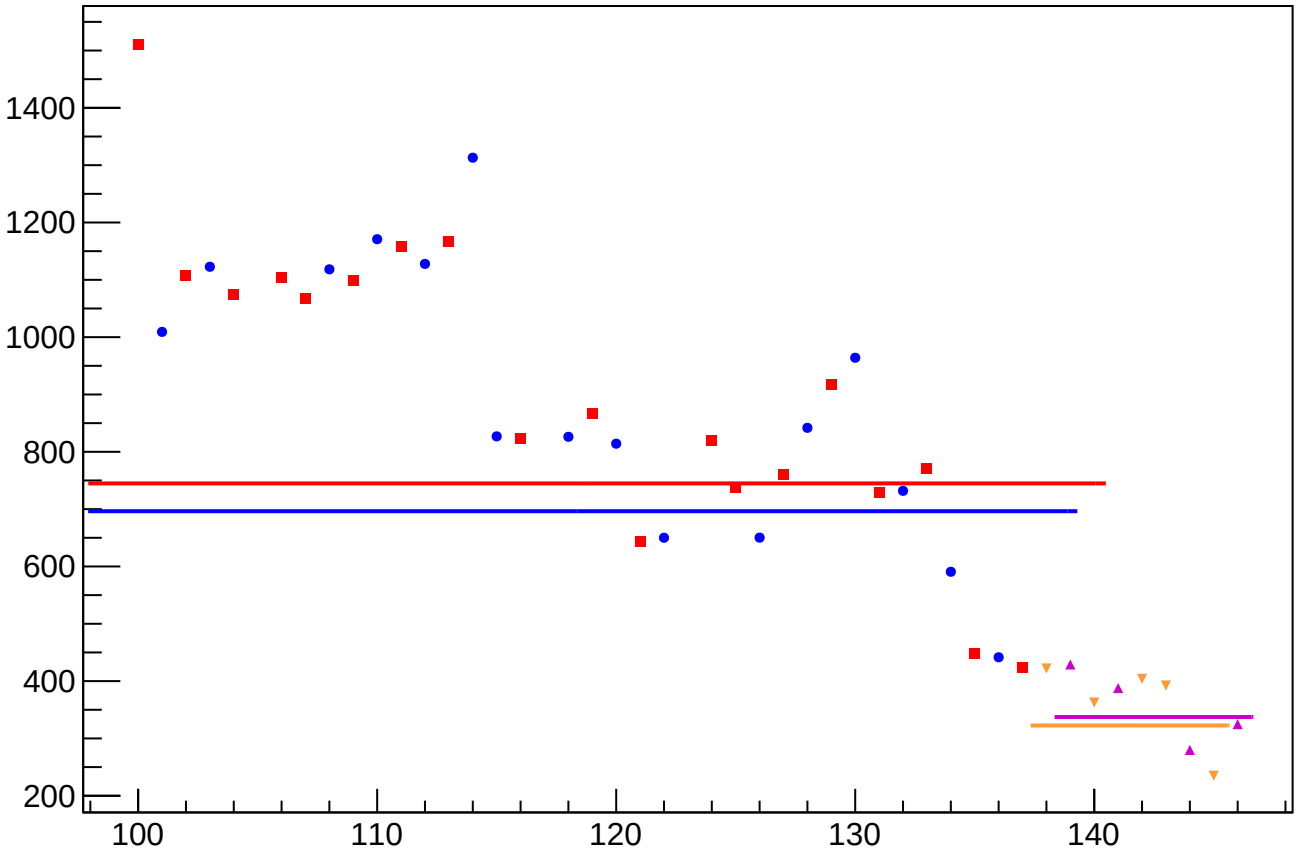
Left: 108.252+/-126.709 χ^2/NDF: 10.0/8

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 384.472+/-153.581 χ^2/NDF:18.9/19

Out: -50.814+/-148.468 χ^2/NDF:22.5/23

All: 159.464+/-106.745 χ^2/NDF: 45.5/43



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 322.598+/-0.123 χ^2/NDF:416158.8/4

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 337.393+/-0.131 χ^2/NDF:179930.1/3

Left: 329.504+/-0.090 χ^2/NDF: 602875.8/8

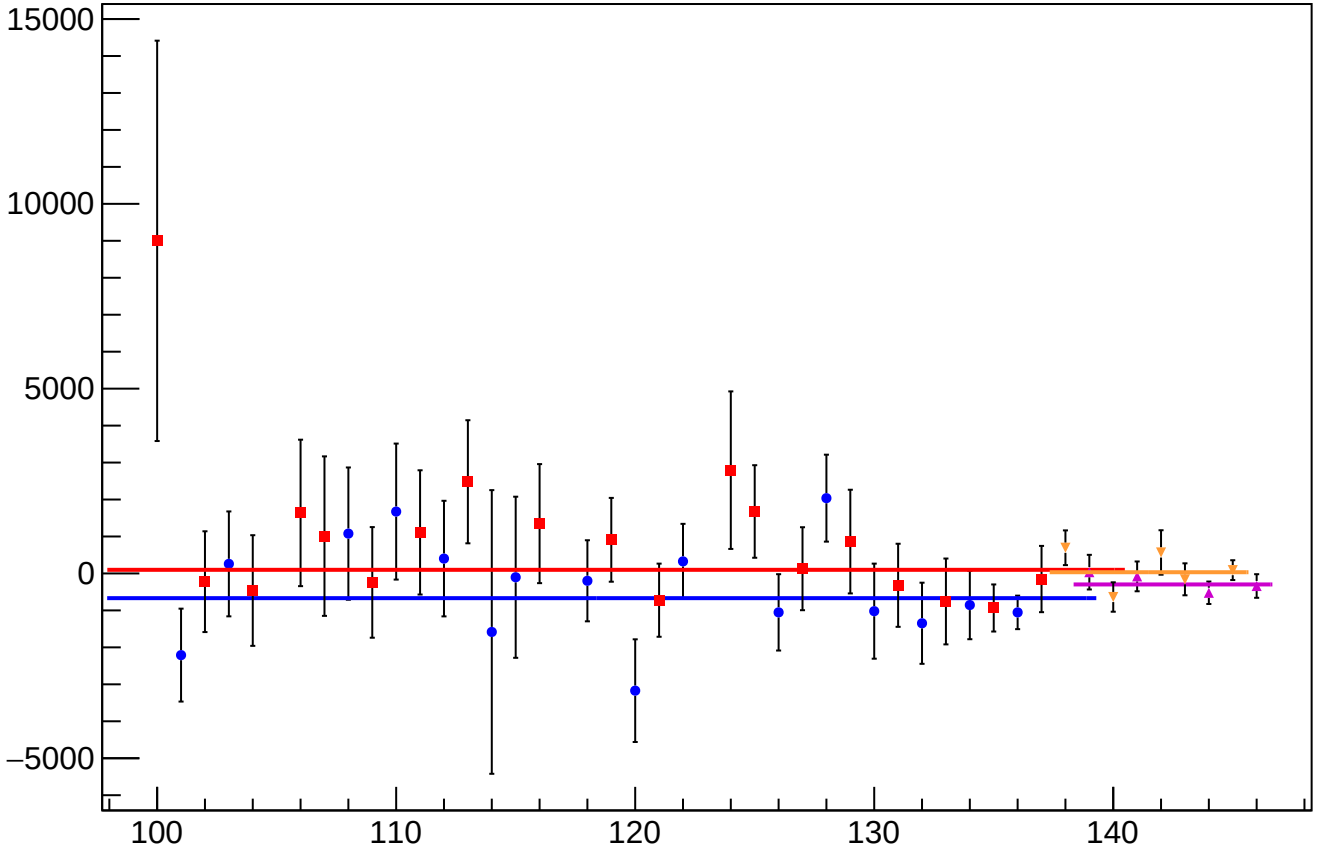
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 450.190+/-0.109 χ^2/NDF:4049937.0/19

Out: 435.738+/-0.105 χ^2/NDF:5087930.9/23

All: 442.720+/-0.075 χ^2/NDF: 9147023.1/43

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: 33.138+/-174.382 χ^2/NDF:5.9/4

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -297.579+/-178.556 χ^2/NDF:1.4/3

Left: -128.310+/-124.756 χ^2/NDF: 9.0/8

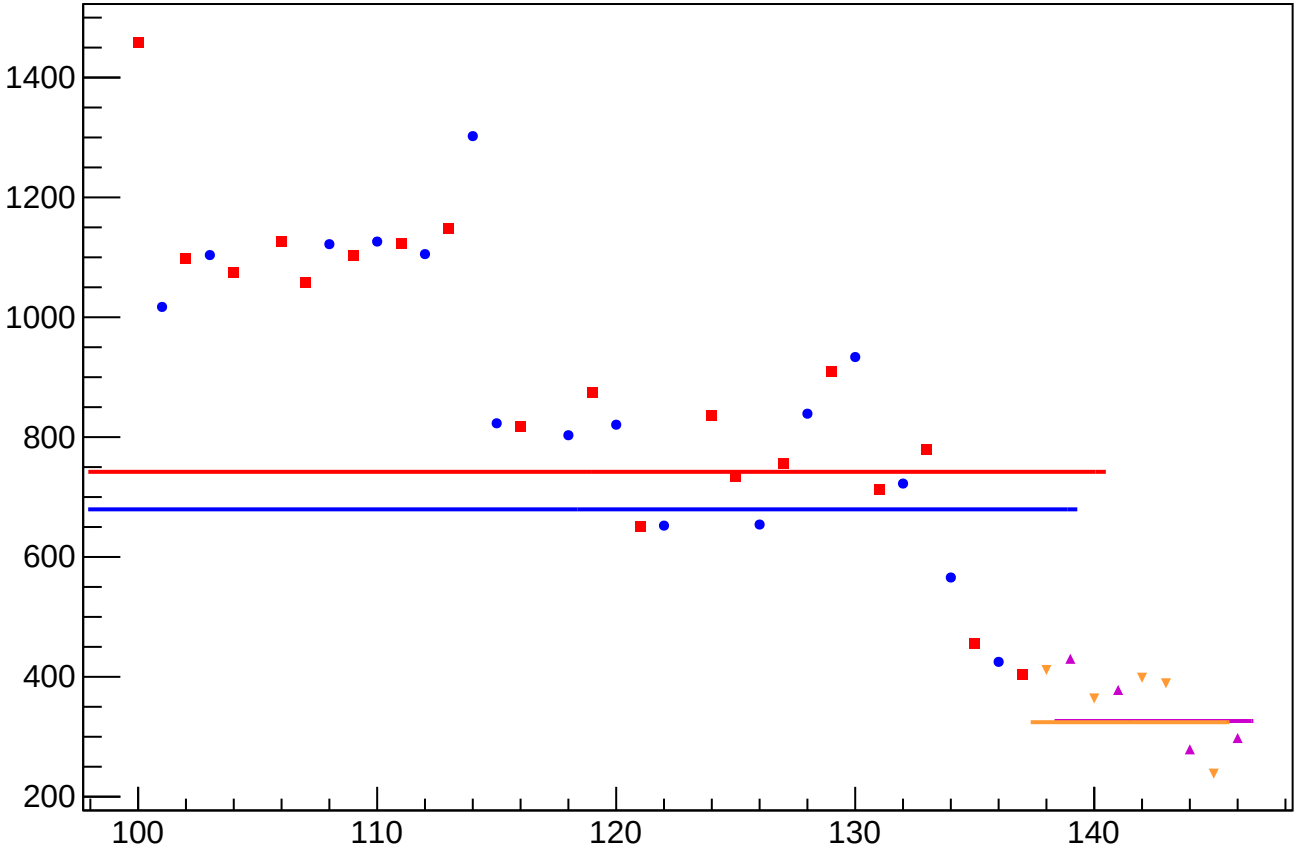
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -411.345+/-148.673 χ^2/NDF:18.8/19

Out: 50.728+/-148.872 χ^2/NDF:20.7/23

All: -180.618+/-105.198 χ^2/NDF: 44.4/43

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 324.322+/-0.123 χ^2/NDF:369471.9/4

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 326.326+/-0.126 χ^2/NDF:195451.2/3

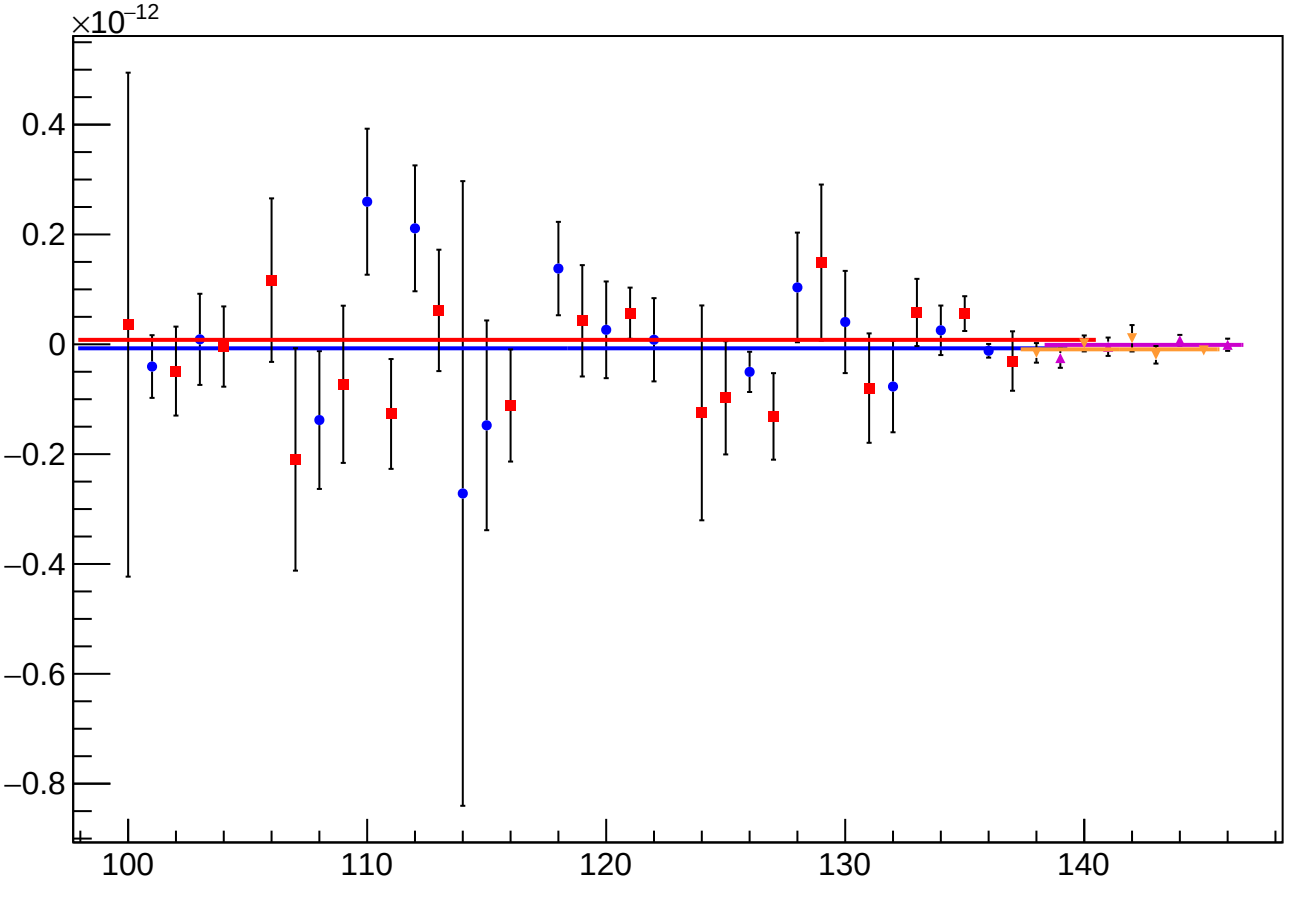
Left: 325.300+/-0.088 χ^2/NDF: 565052.0/8

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 434.638+/-0.105 χ^2/NDF:4195825.0/19

Out: 437.608+/-0.105 χ^2/NDF:4986518.7/23

All: 436.121+/-0.074 χ^2/NDF: 9182742.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/3

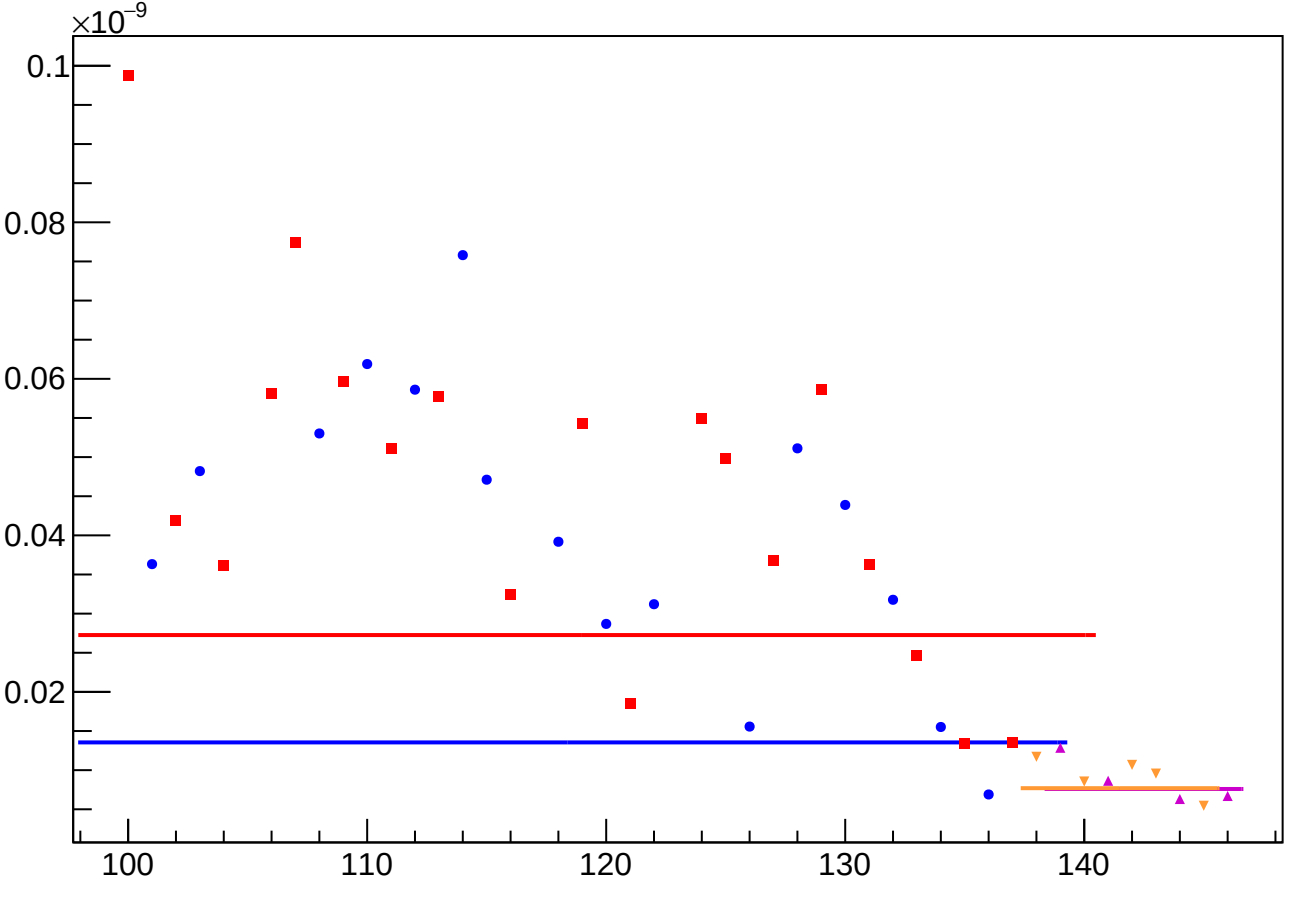
Left: -0.000+/-0.000 χ^2/NDF: 5.2/8

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:20.0/19

Out: -0.000+/-0.000 χ^2/NDF:19.7/23

All: -0.000+/-0.000 χ^2/NDF: 40.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:296196.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:229313.3/3

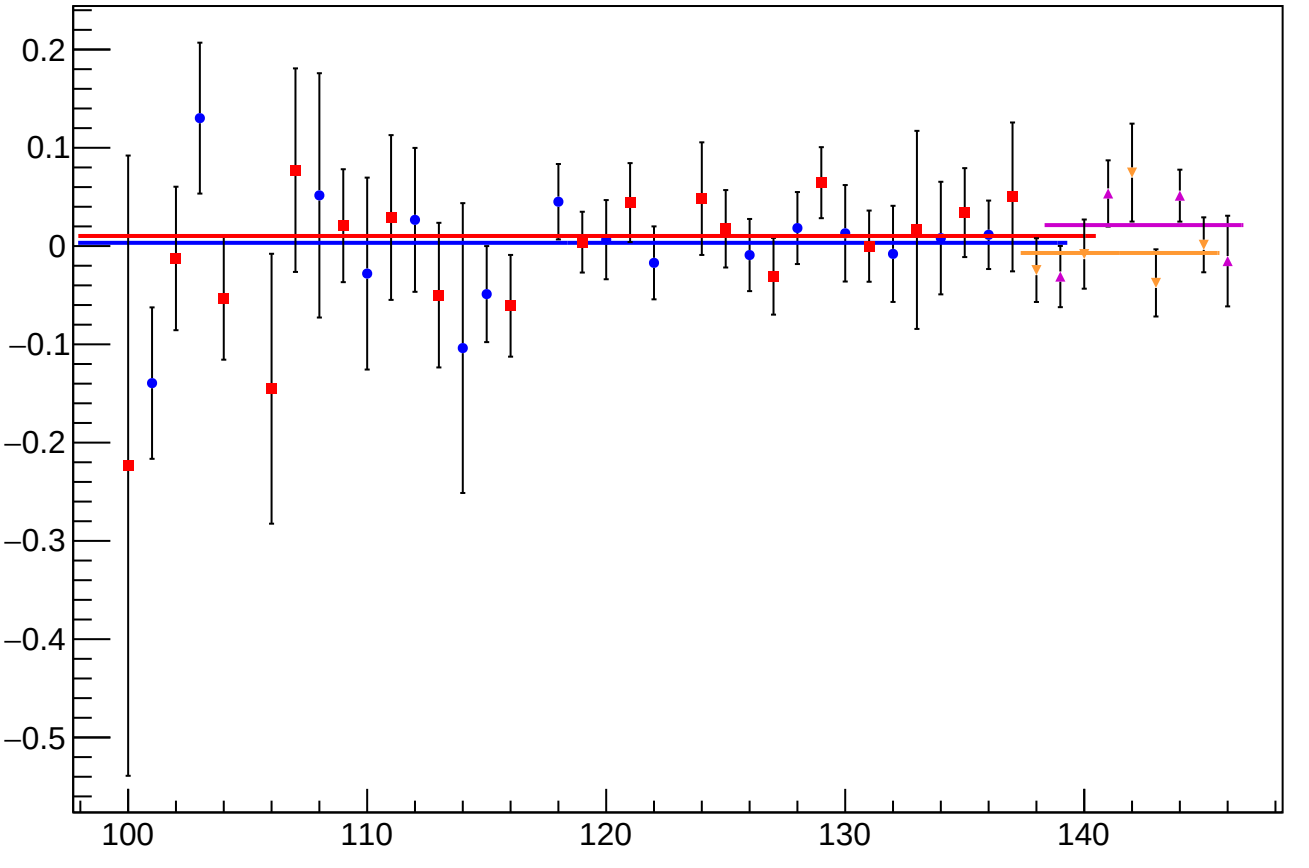
Left: 0.000+/-0.000 χ^2/NDF: 525777.3/8

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3749294.1/19

Out: 0.000+/-0.000 χ^2/NDF:4299395.2/23

All: 0.000+/-0.000 χ^2/NDF: 8064396.9/43



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.007+/-0.015 χ^2/NDF:3.9/4

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.021+/-0.016 χ^2/NDF:5.7/3

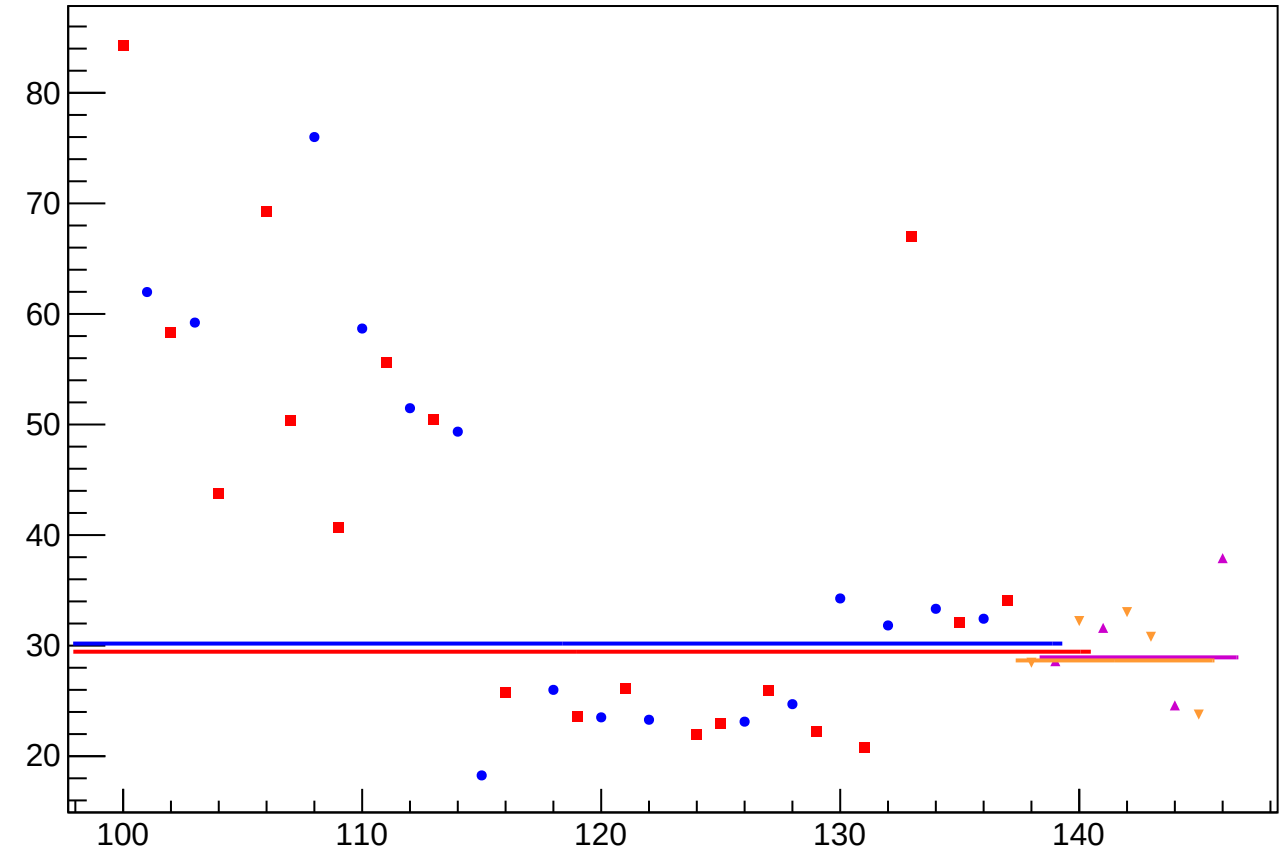
Left: 0.006+/-0.011 χ^2/NDF: 11.1/8

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.010+/-0.010 χ^2/NDF:16.6/19

Out: 0.004+/-0.009 χ^2/NDF:15.9/23

All: 0.007+/-0.007 χ^2/NDF: 32.7/43



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.662+/-0.011 χ^2/NDF:105122.6/4

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.938+/-0.011 χ^2/NDF:142482.1/3

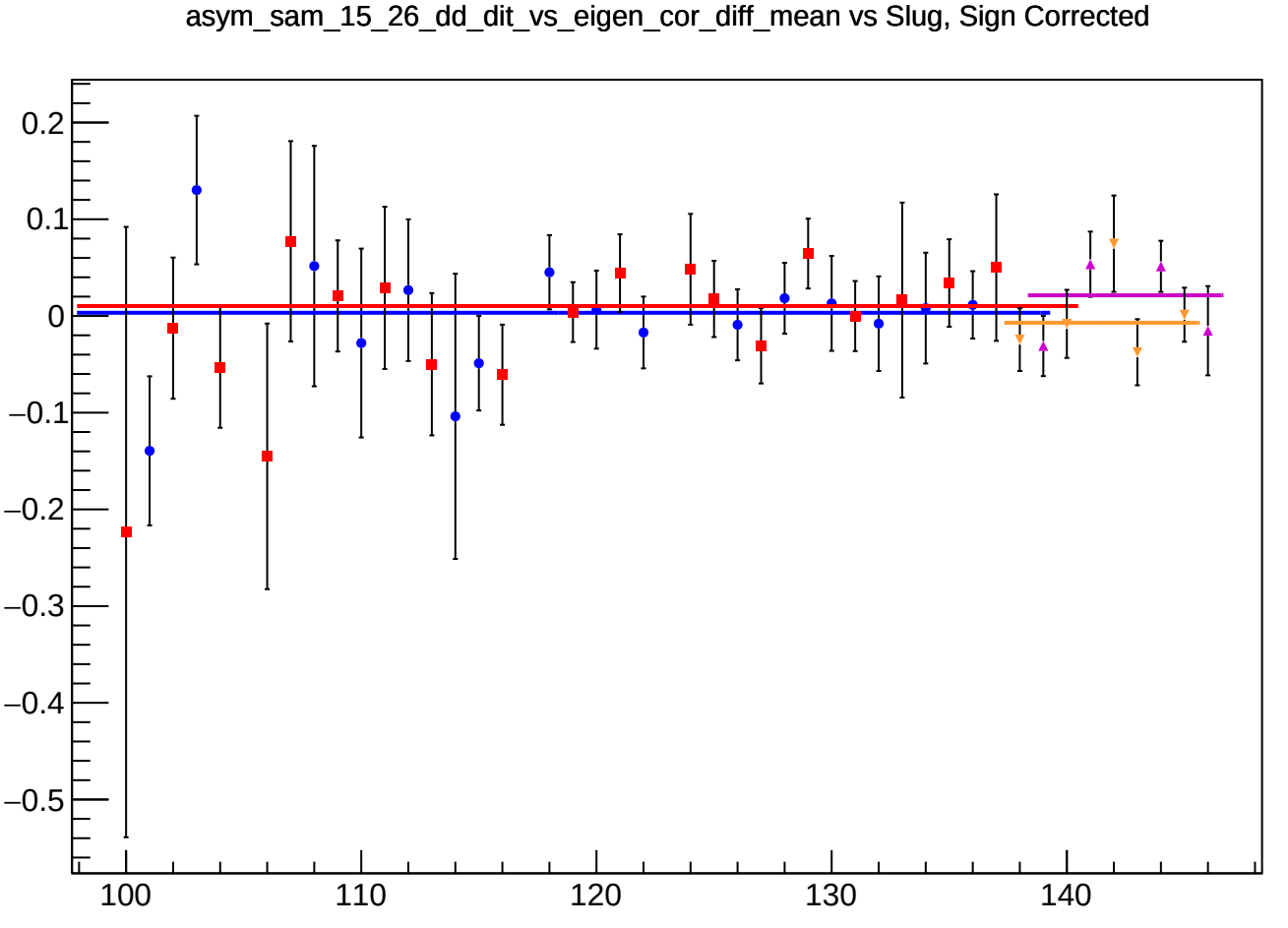
Left: 28.792+/-0.008 χ^2/NDF: 247914.4/8

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

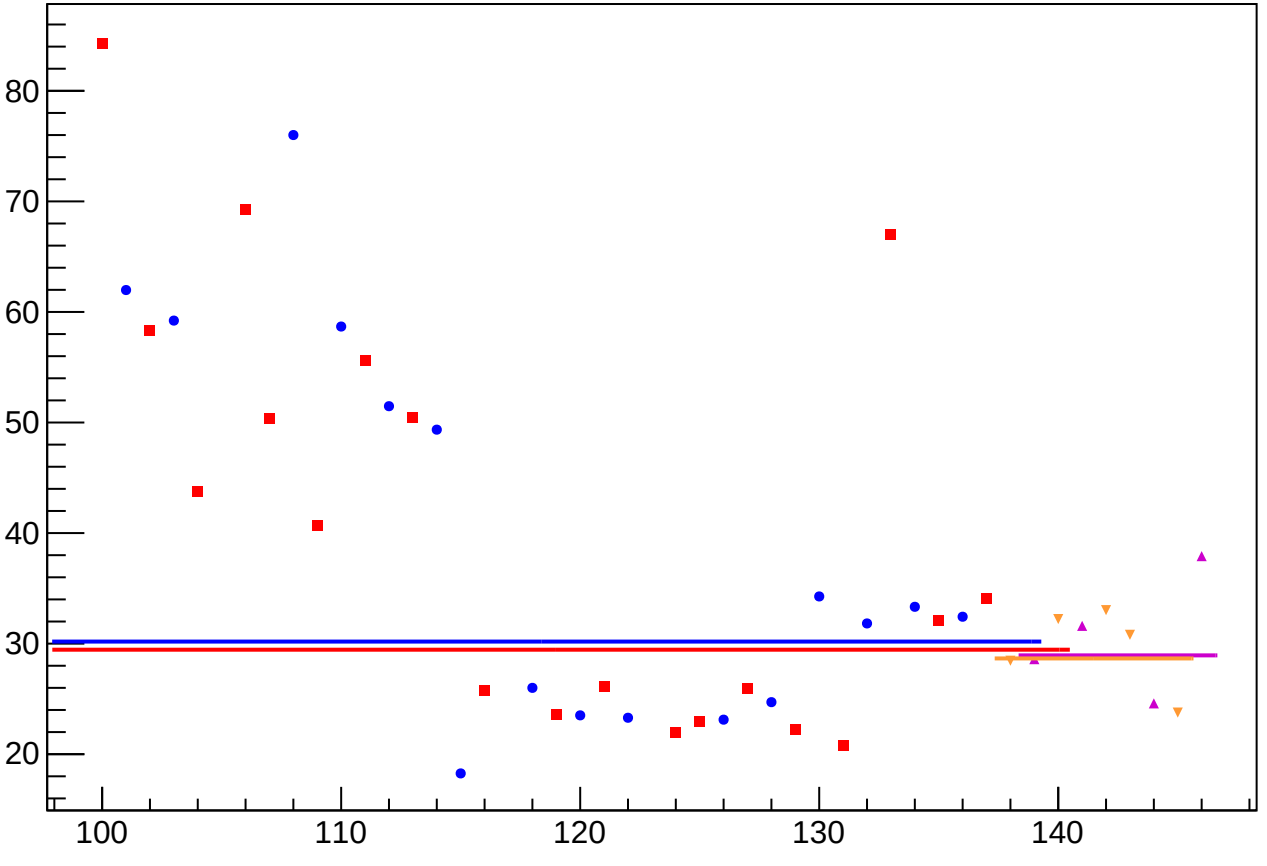
In: 29.731+/-0.007 χ^2/NDF:1837400.2/19

Out: 29.155+/-0.007 χ^2/NDF:1957110.7/23

All: 29.430+/-0.005 χ^2/NDF: 3798131.9/43


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.007+/-0.015 χ²/NDF:3.9/4
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.021+/-0.016 χ²/NDF:5.7/3
Left: 0.006+/-0.011 χ²/NDF: 11.1/8
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.010+/-0.010 χ²/NDF:16.6/19
Out: 0.004+/-0.009 χ²/NDF:15.9/23
All: 0.007+/-0.007 χ²/NDF: 32.7/43

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.662+/-0.011 χ^2/NDF:105122.6/4

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.938+/-0.011 χ^2/NDF:142482.1/3

Left: 28.792+/-0.008 χ^2/NDF: 247914.4/8

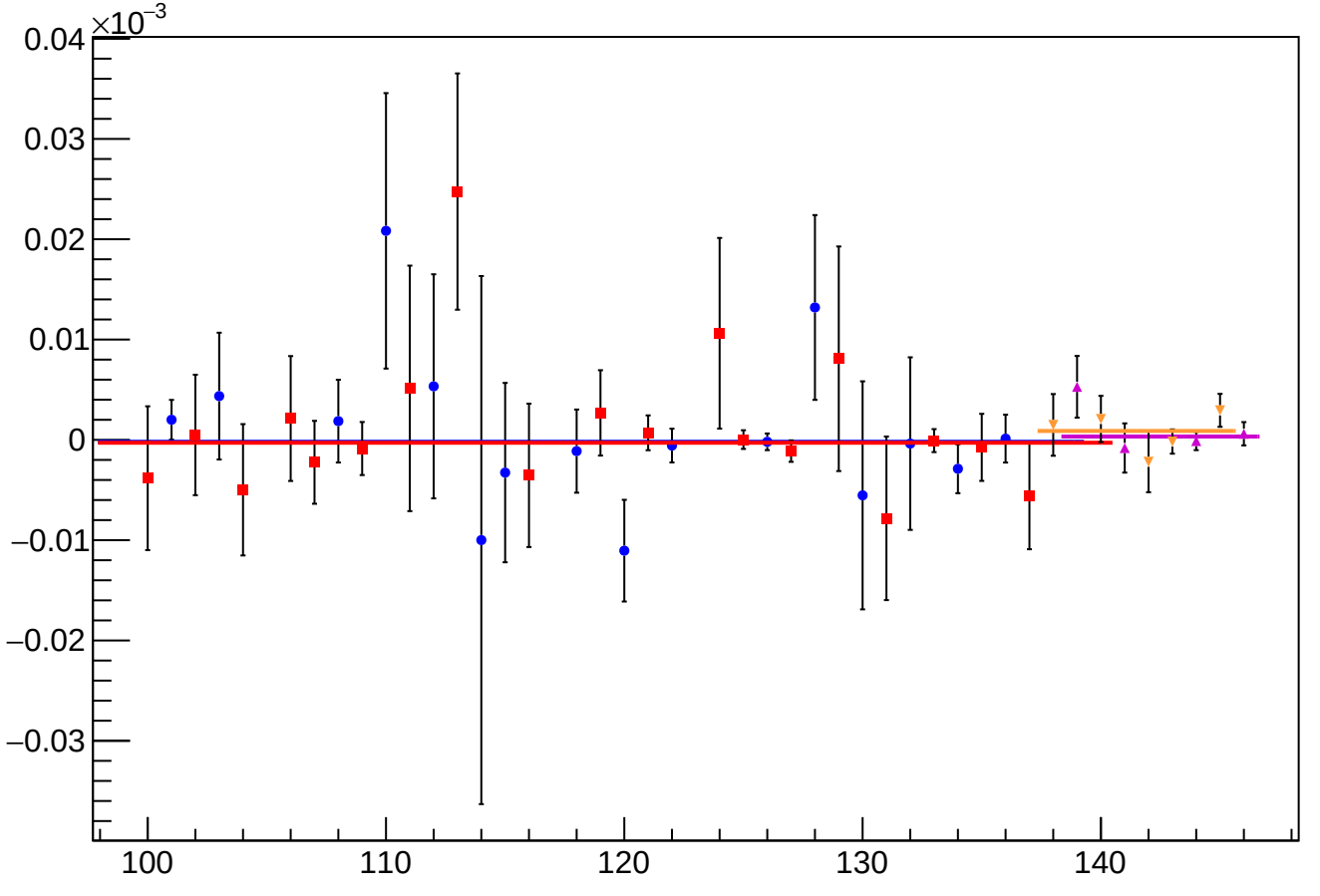
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.731+/-0.007 χ^2/NDF:1837400.2/19

Out: 29.155+/-0.007 χ^2/NDF:1957110.7/23

All: 29.430+/-0.005 χ^2/NDF: 3798131.9/43

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/4

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/3

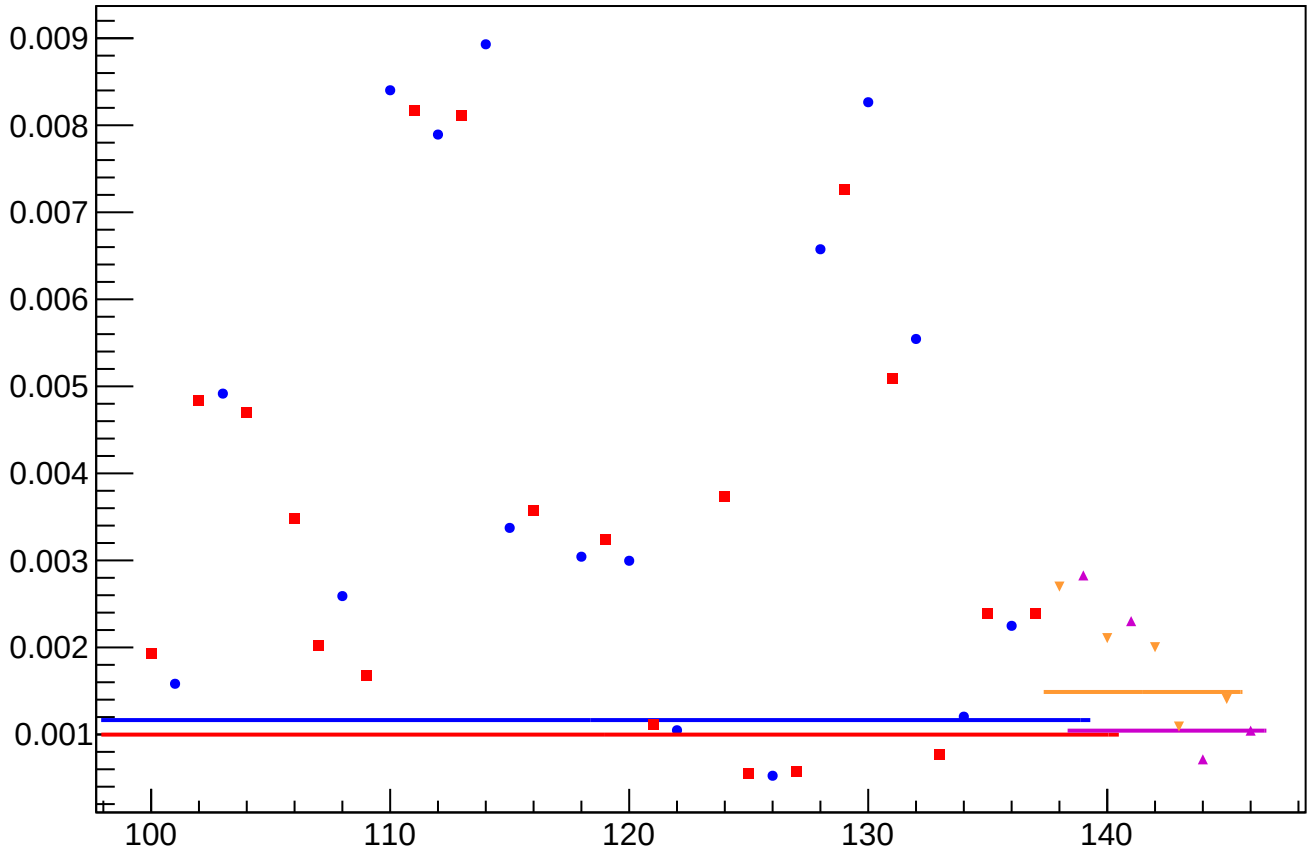
Left: 0.000+/-0.000 χ^2/NDF: 7.0/8

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:16.5/19

Out: 0.000+/-0.000 χ^2/NDF:16.5/23

All: 0.000+/-0.000 χ^2/NDF: 33.1/43



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:731815.9/4

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:1460048.3/3

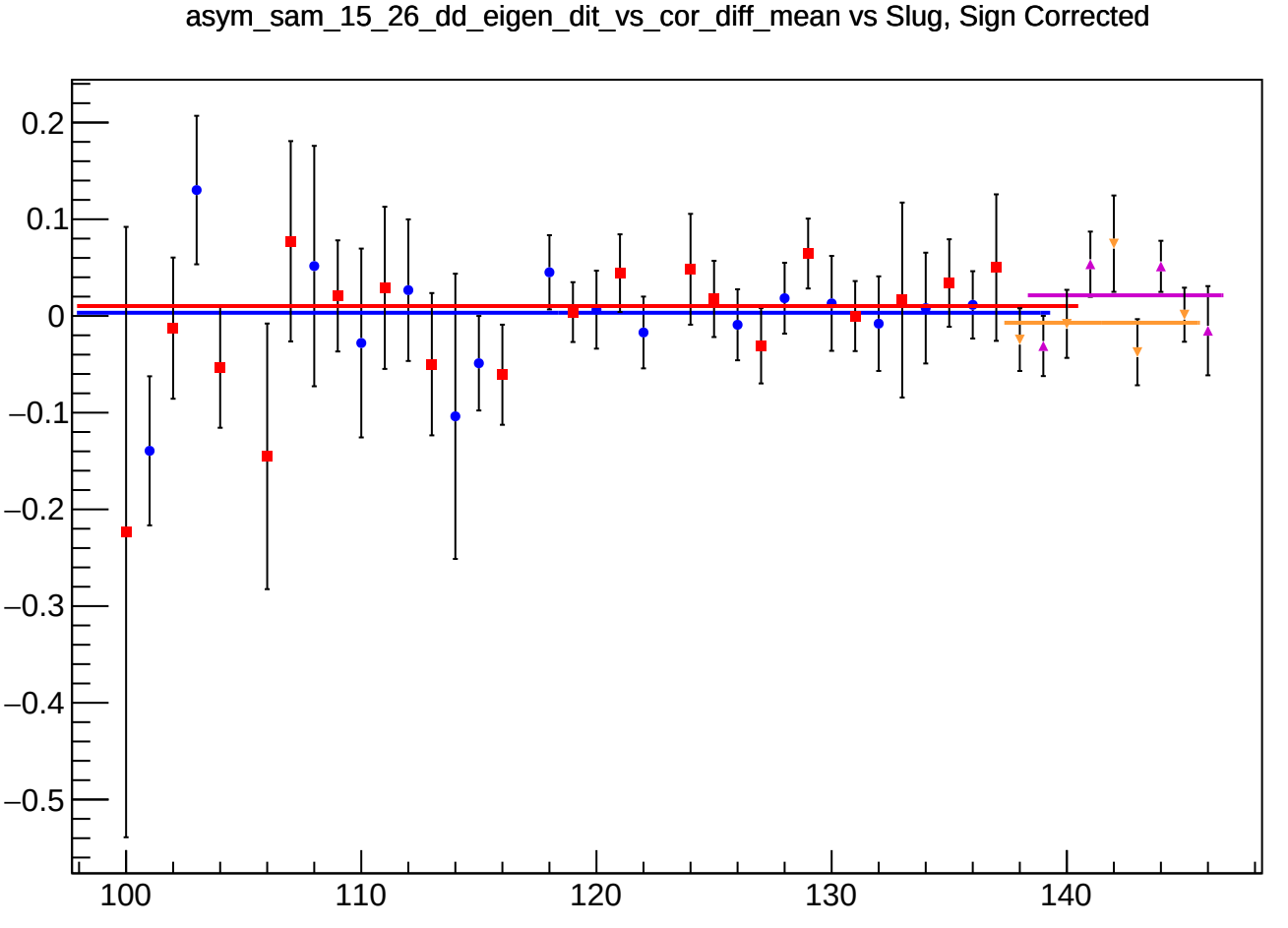
Left: 0.001+/-0.000 χ^2/NDF: 2538880.0/8

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:8377448.8/19

Out: 0.001+/-0.000 χ^2/NDF:8168878.1/23

All: 0.001+/-0.000 χ^2/NDF: 16550114.1/43



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.007+/-0.015 χ^2/NDF:3.9/4

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.021+/-0.016 χ^2/NDF:5.7/3

Left: 0.006+/-0.011 χ^2/NDF: 11.1/8

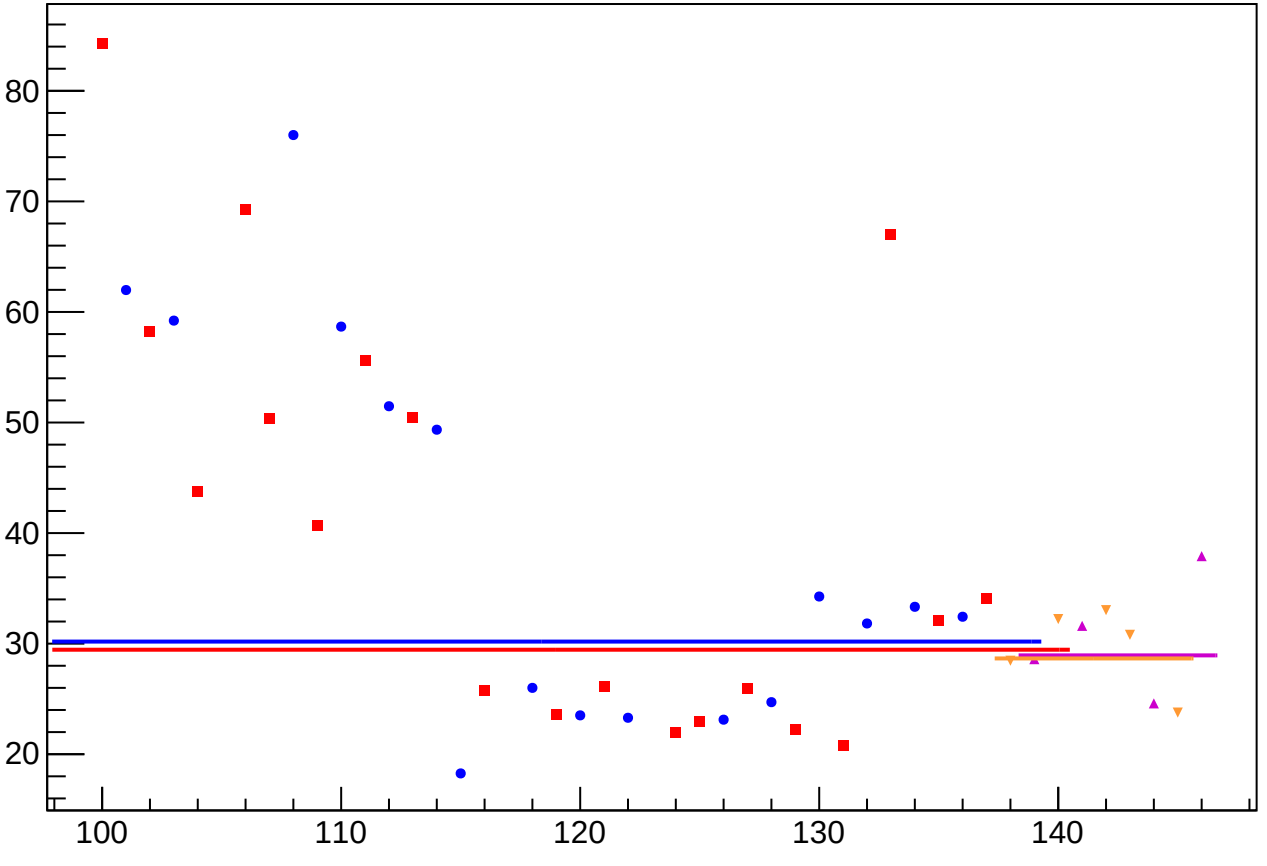
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.010+/-0.010 χ^2/NDF:16.6/19

Out: 0.004+/-0.009 χ^2/NDF:15.9/23

All: 0.007+/-0.007 χ^2/NDF: 32.7/43

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.662+/-0.011 χ^2/NDF:105109.7/4

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.939+/-0.011 χ^2/NDF:142482.9/3

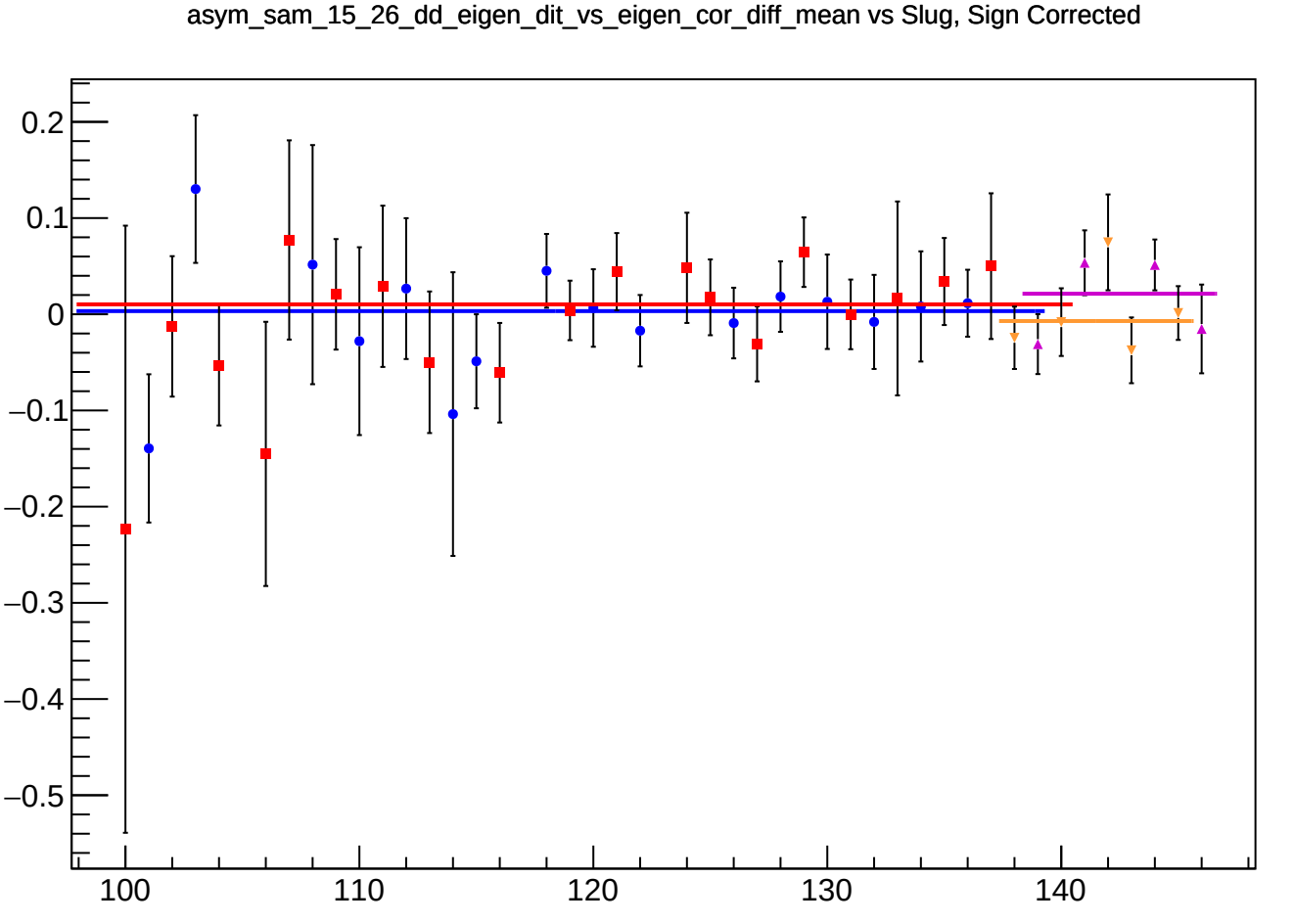
Left: 28.792+/-0.008 χ^2/NDF: 247902.2/8

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

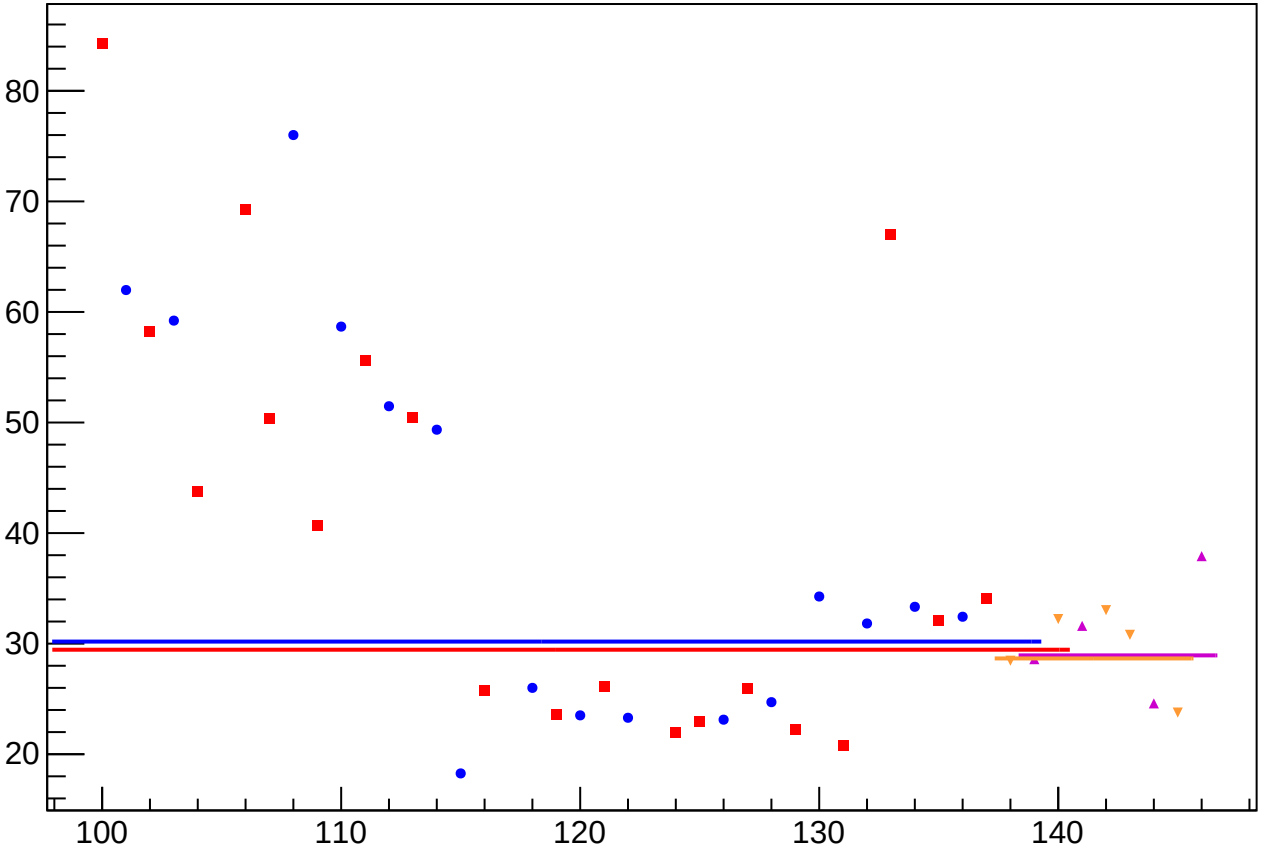
In: 29.731+/-0.007 χ^2/NDF:1837211.0/19

Out: 29.155+/-0.007 χ^2/NDF:1957084.9/23

All: 29.430+/-0.005 χ^2/NDF: 3797921.5/43


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.007+/-0.015 χ²/NDF:3.9/4
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.021+/-0.016 χ²/NDF:5.7/3
Left: 0.006+/-0.011 χ²/NDF: 11.1/8
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.010+/-0.010 χ²/NDF:16.6/19
Out: 0.004+/-0.009 χ²/NDF:15.9/23
All: 0.007+/-0.007 χ²/NDF: 32.7/43

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.662+/-0.011 χ^2/NDF:105109.7/4

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.939+/-0.011 χ^2/NDF:142482.9/3

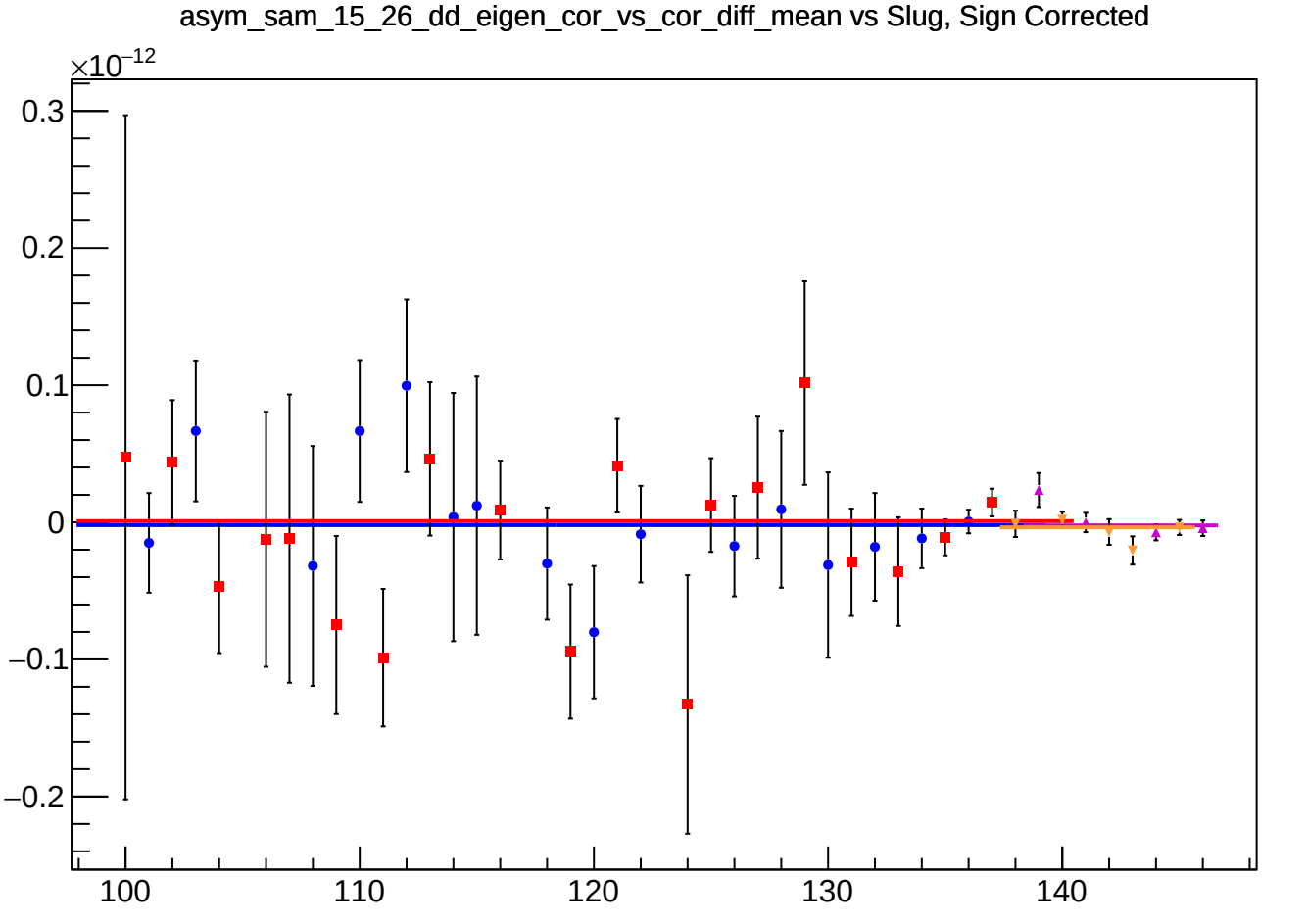
Left: 28.792+/-0.008 χ^2/NDF: 247902.2/8

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.731+/-0.007 χ^2/NDF:1837211.0/19

Out: 29.155+/-0.007 χ^2/NDF:1957084.9/23

All: 29.430+/-0.005 χ^2/NDF: 3797921.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.8/4

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

Left In: -0.000+/-0.000 χ^2/NDF:5.3/3

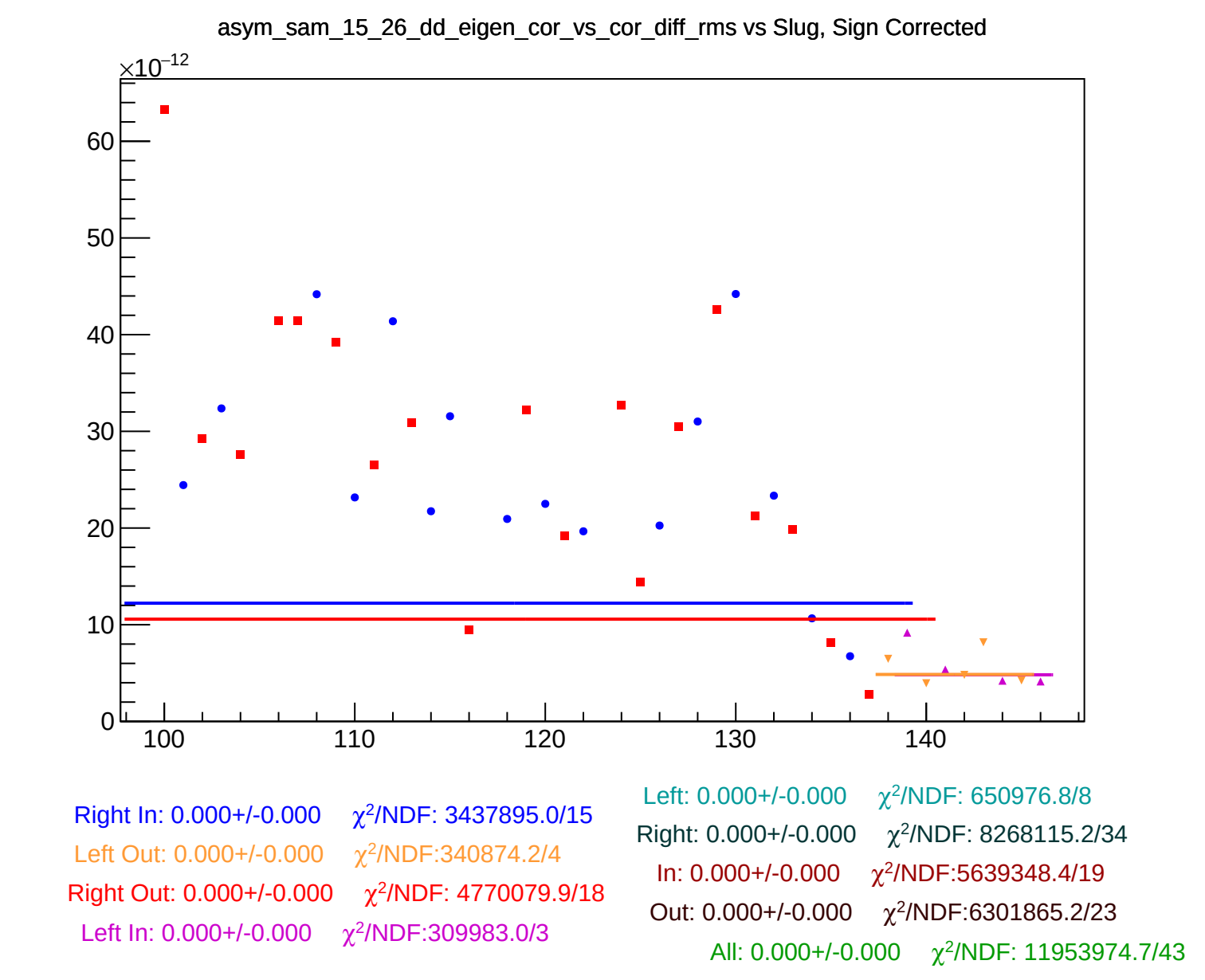
Left: -0.000+/-0.000 χ^2/NDF: 9.2/8

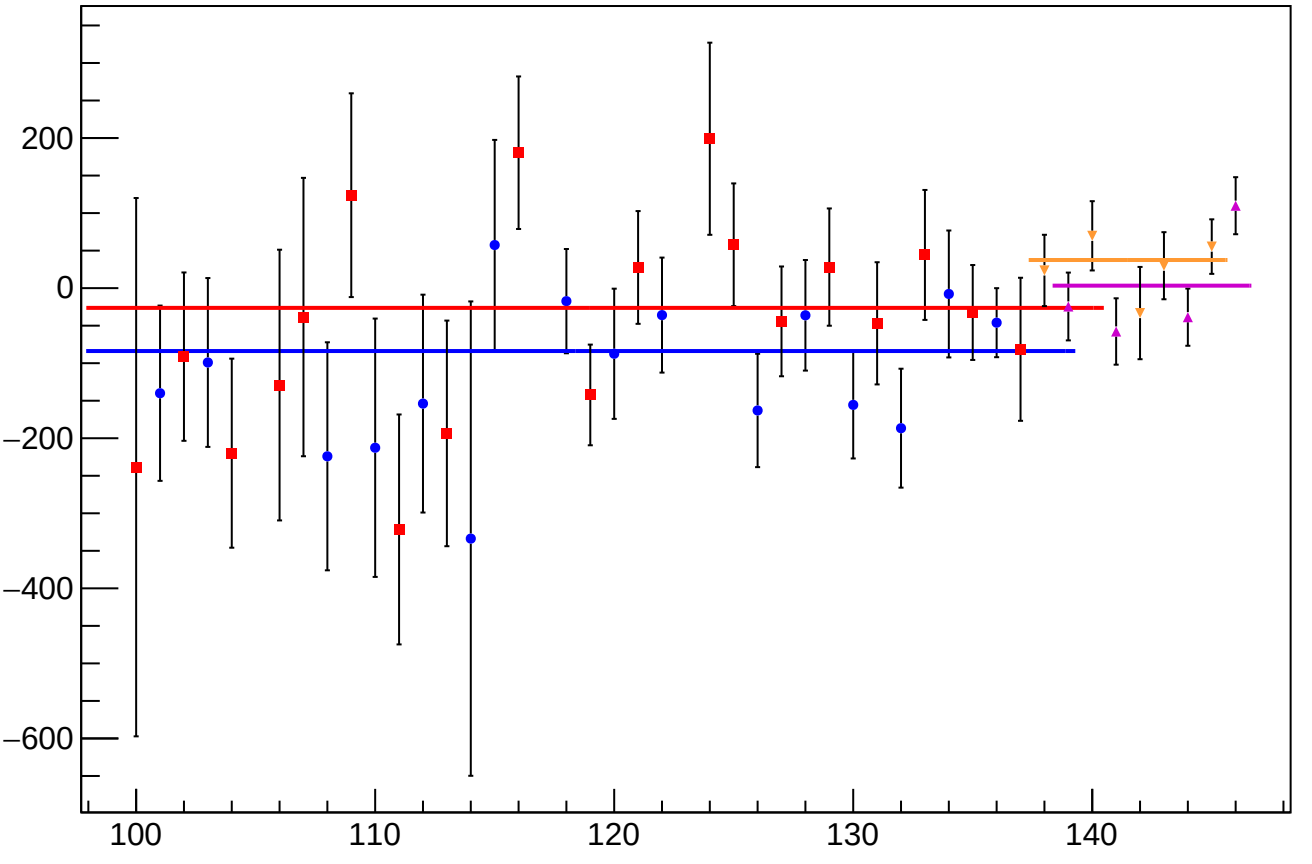
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:15.7/19

Out: -0.000+/-0.000 χ^2/NDF:25.6/23

All: -0.000+/-0.000 χ^2/NDF: 41.4/43


asym_sam_15_26_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
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:340874.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:309983.0/3
Left: 0.000+/-0.000 χ²/NDF: 650976.8/8
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:5639348.4/19
Out: 0.000+/-0.000 χ²/NDF:6301865.2/23
All: 0.000+/-0.000 χ²/NDF: 11953974.7/43



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 37.485+/-20.263 χ^2/NDF:2.2/4

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 3.312+/-20.488 χ^2/NDF:11.4/3

Left: 20.588+/-14.407 χ^2/NDF: 14.9/8

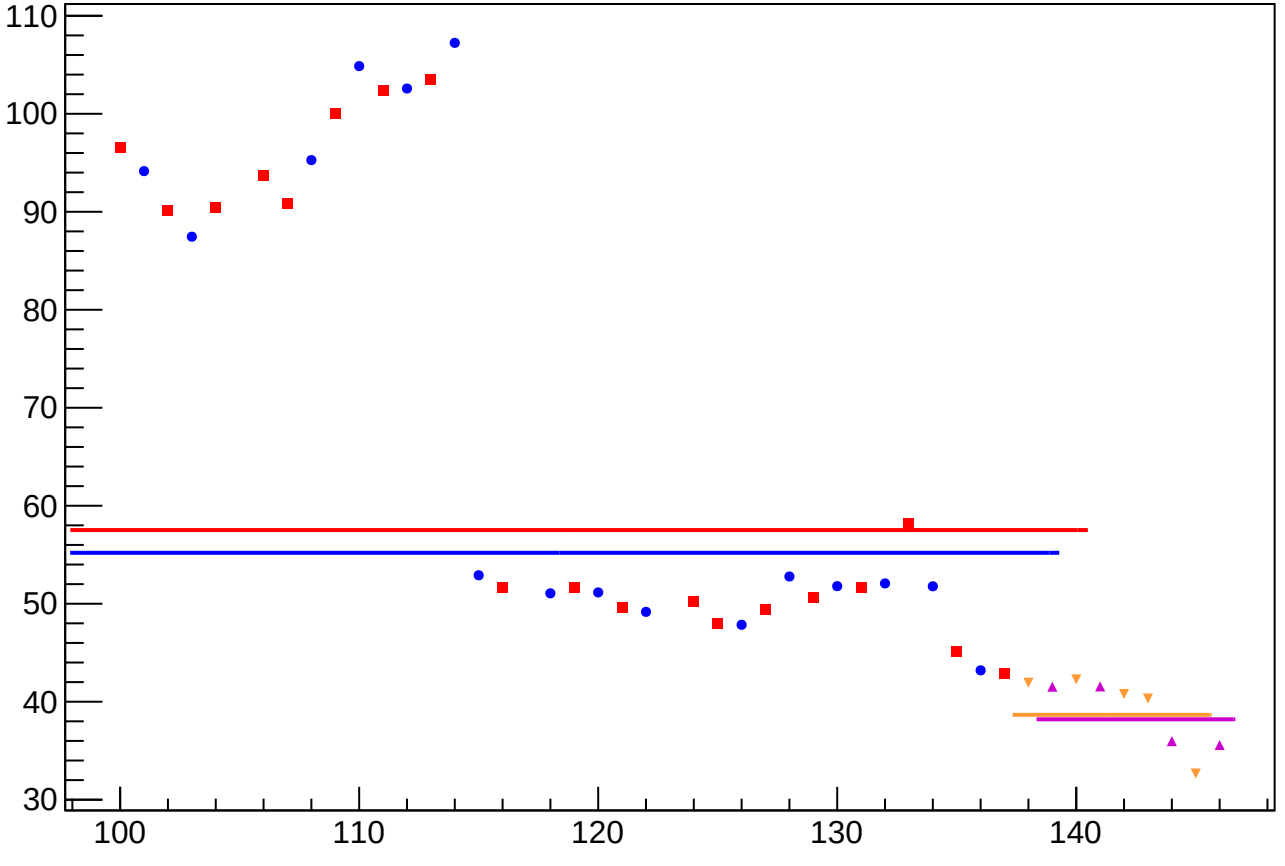
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -38.282+/-14.811 χ^2/NDF:30.5/19

Out: 8.306+/-14.925 χ^2/NDF:29.7/23

All: -15.167+/-10.513 χ^2/NDF: 65.1/43

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: 38.664+/-0.014 χ^2/NDF:81367.3/4

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

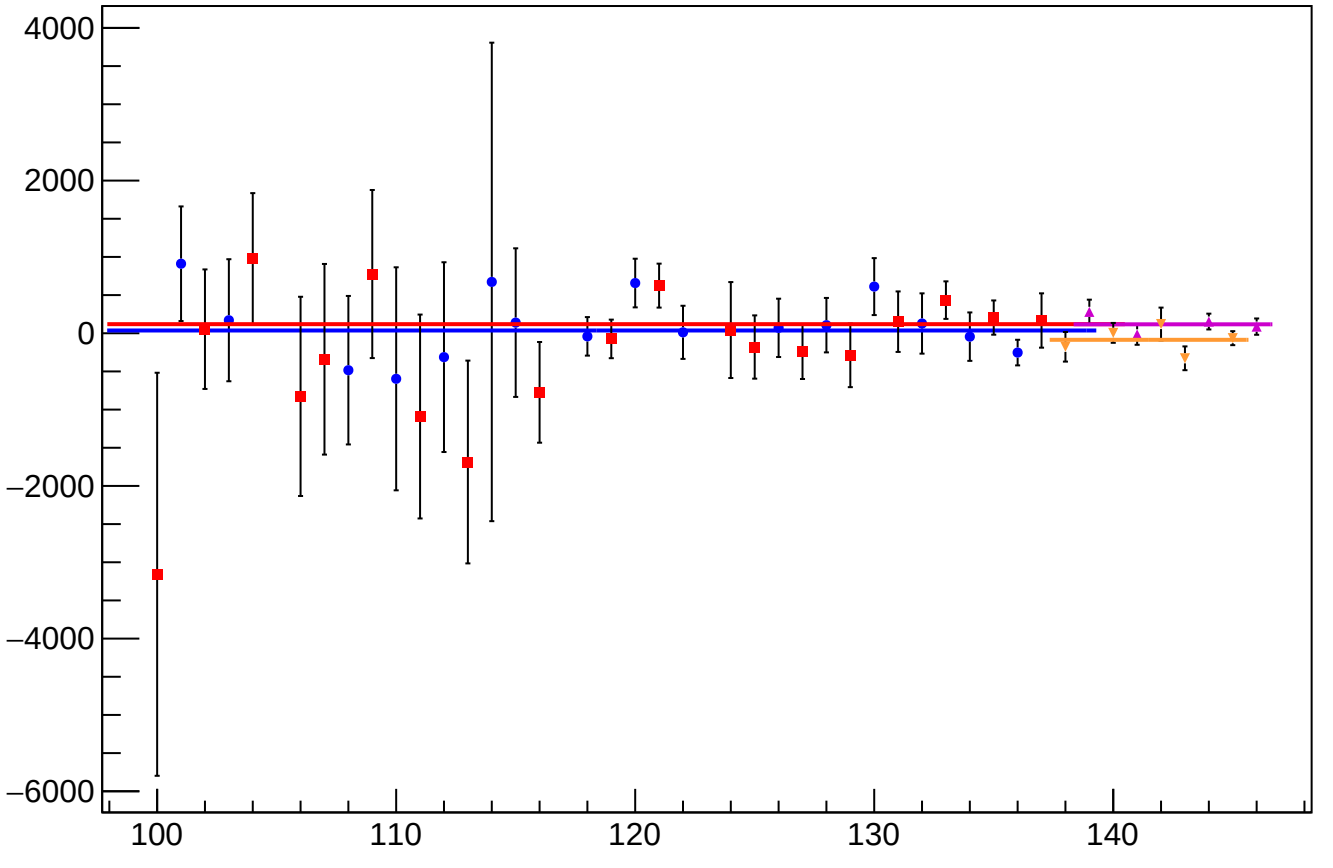
Left: 38.437+/-0.010 χ^2/NDF: 120647.8/8

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 46.318+/-0.010 χ^2/NDF:1848141.5/19

Out: 47.289+/-0.011 χ^2/NDF:2155407.3/23

All: 46.800+/-0.007 χ^2/NDF: 4007811.6/43



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -85.884+/-61.136 χ^2/NDF:4.1/4

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 117.231+/-60.414 χ^2/NDF:2.2/3

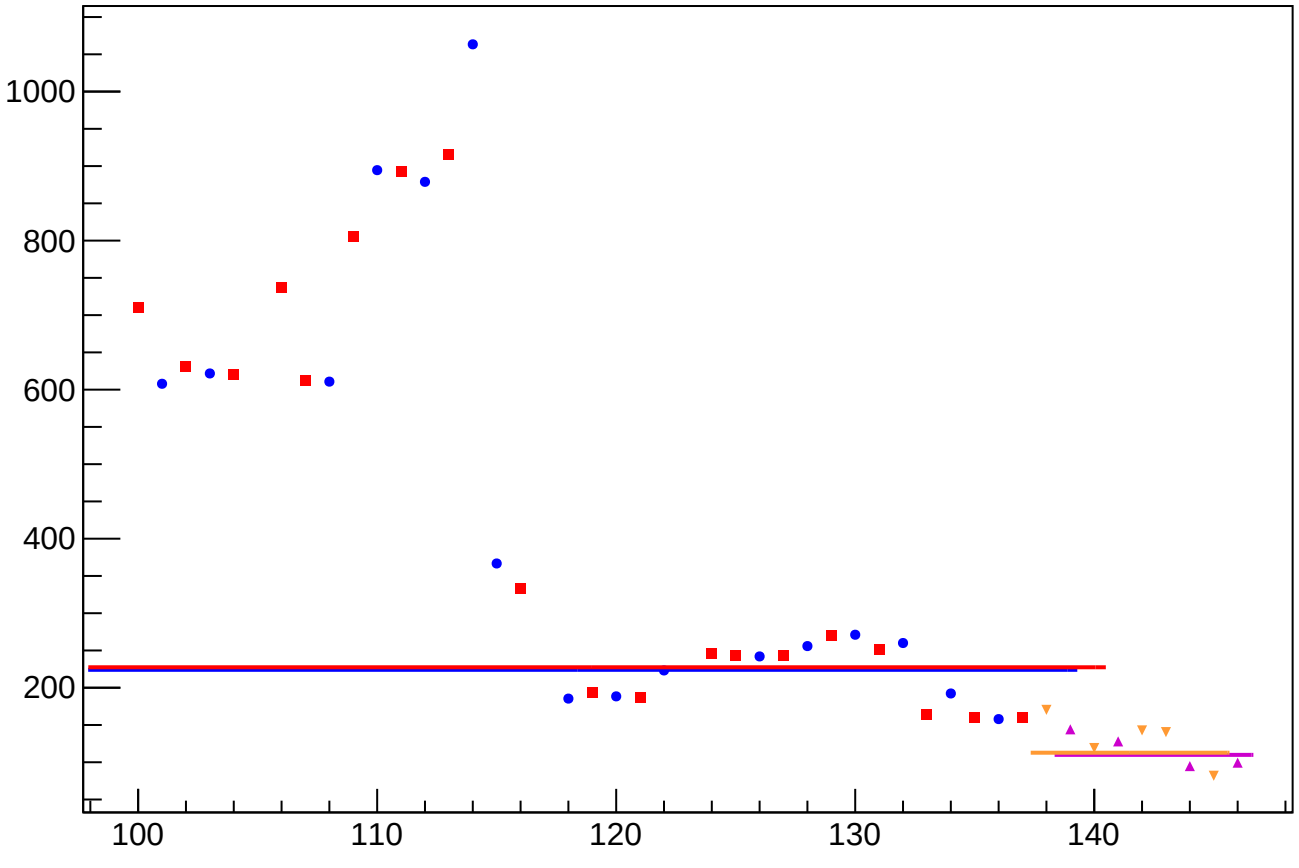
Left: 16.880+/-42.972 χ^2/NDF: 11.9/8

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 93.425+/-50.753 χ^2/NDF:14.1/19

Out: -26.573+/-51.541 χ^2/NDF:23.4/23

All: 34.351+/-36.163 χ^2/NDF: 40.3/43



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 112.803+/-0.043 χ^2/NDF:510019.2/4

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 109.898+/-0.043 χ^2/NDF:188895.4/3

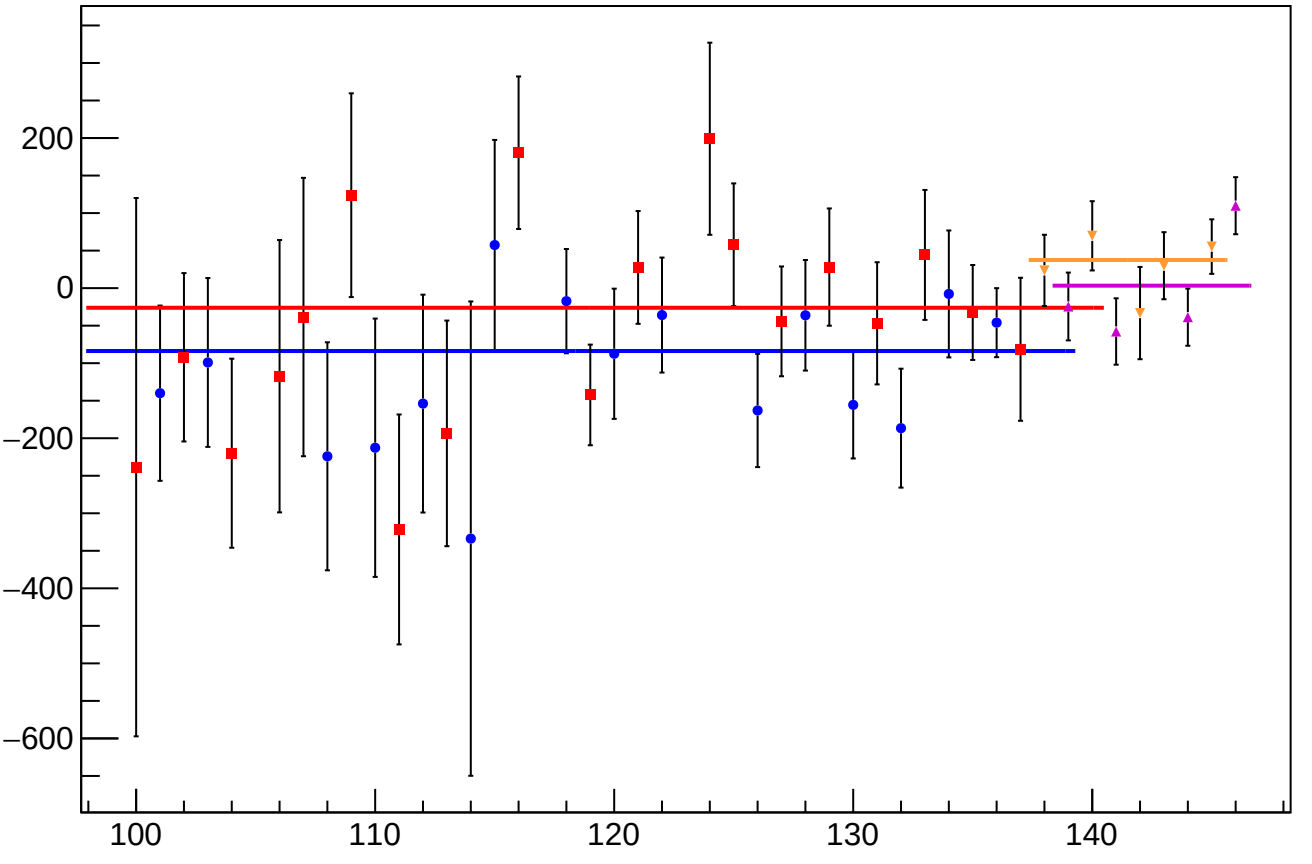
Left: 111.333+/-0.030 χ^2/NDF: 701199.8/8

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 143.485+/-0.036 χ^2/NDF:5257728.2/19

Out: 145.965+/-0.036 χ^2/NDF:6185088.4/23

All: 144.706+/-0.026 χ^2/NDF: 11445168.6/43



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 37.486+/-20.263 χ^2/NDF:2.2/4

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 3.310+/-20.488 χ^2/NDF:11.4/3

Left: 20.587+/-14.407 χ^2/NDF: 14.9/8

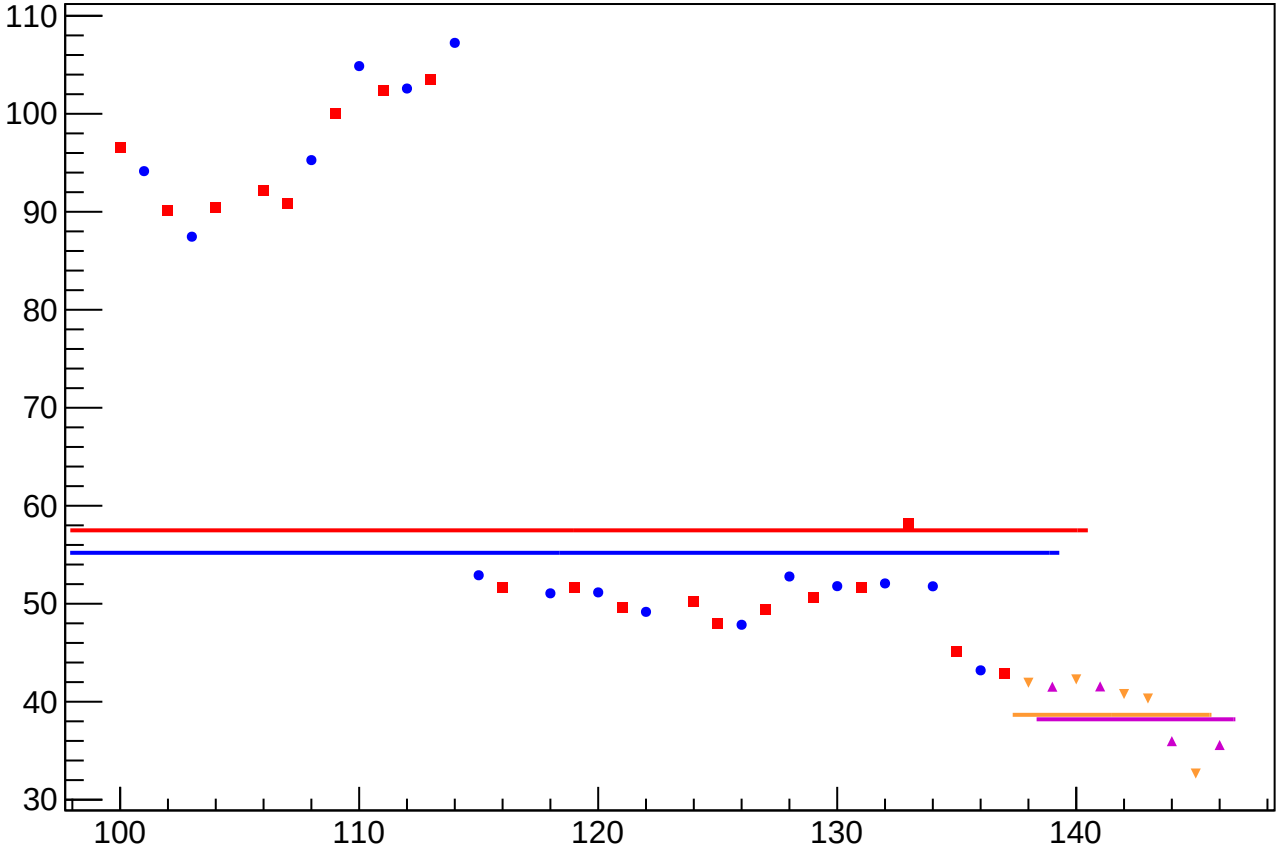
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -38.282+/-14.811 χ^2/NDF:30.5/19

Out: 8.382+/-14.926 χ^2/NDF:29.6/23

All: -15.131+/-10.513 χ^2/NDF: 65.0/43

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: 38.664+/-0.014 χ^2/NDF:81367.3/4

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

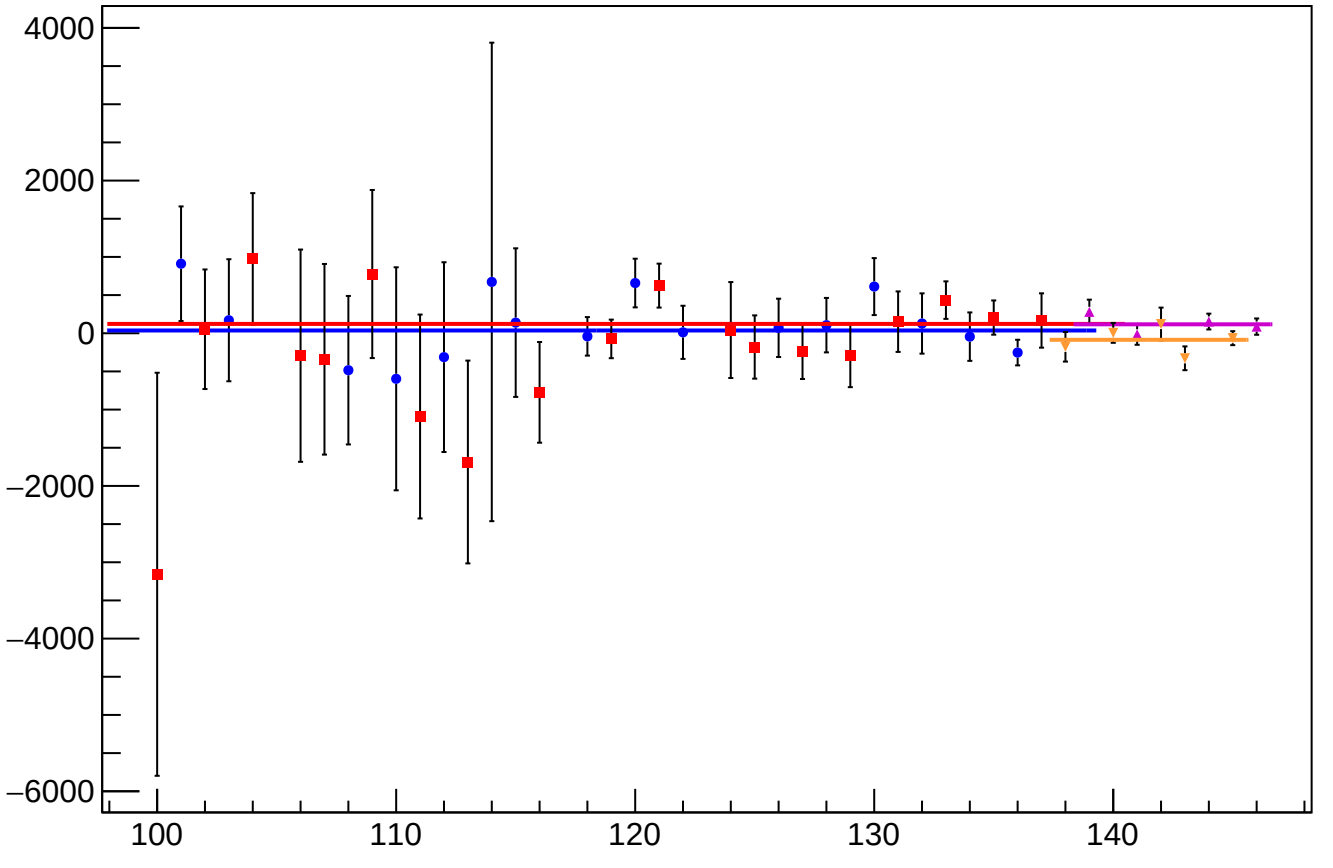
Left: 38.437+/-0.010 χ^2/NDF: 120647.8/8

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 46.318+/-0.010 χ^2/NDF:1848141.8/19

Out: 47.275+/-0.011 χ^2/NDF:2145495.2/23

All: 46.793+/-0.007 χ^2/NDF: 3997776.5/43



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -85.884+/-61.136 χ^2/NDF:4.1/4

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 117.230+/-60.414 χ^2/NDF:2.2/3

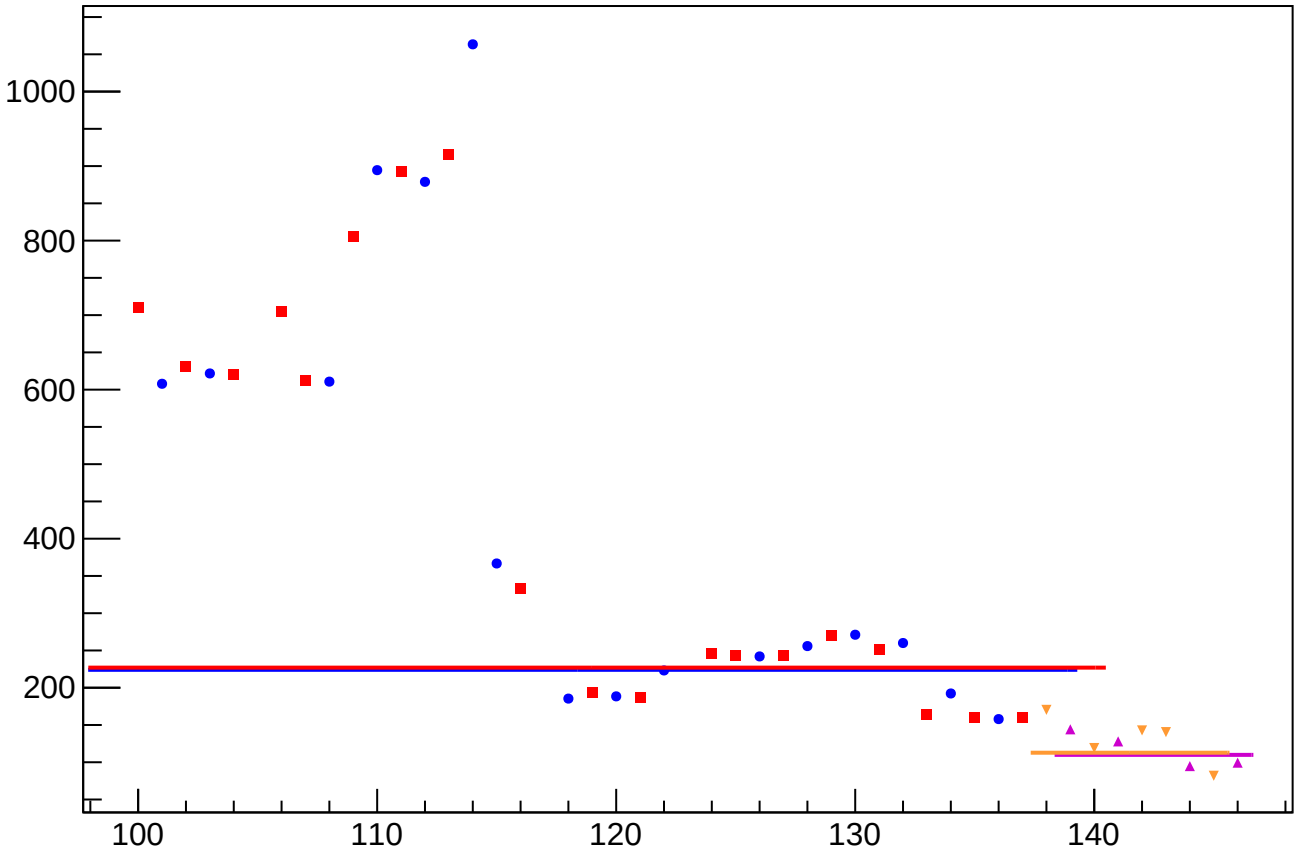
Left: 16.880+/-42.972 χ^2/NDF: 11.9/8

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 93.425+/-50.753 χ^2/NDF:14.1/19

Out: -25.697+/-51.546 χ^2/NDF:23.0/23

All: 34.787+/-36.165 χ^2/NDF: 39.9/43



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 112.803+/-0.043 χ^2/NDF:510022.5/4

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 109.897+/-0.043 χ^2/NDF:188897.1/3

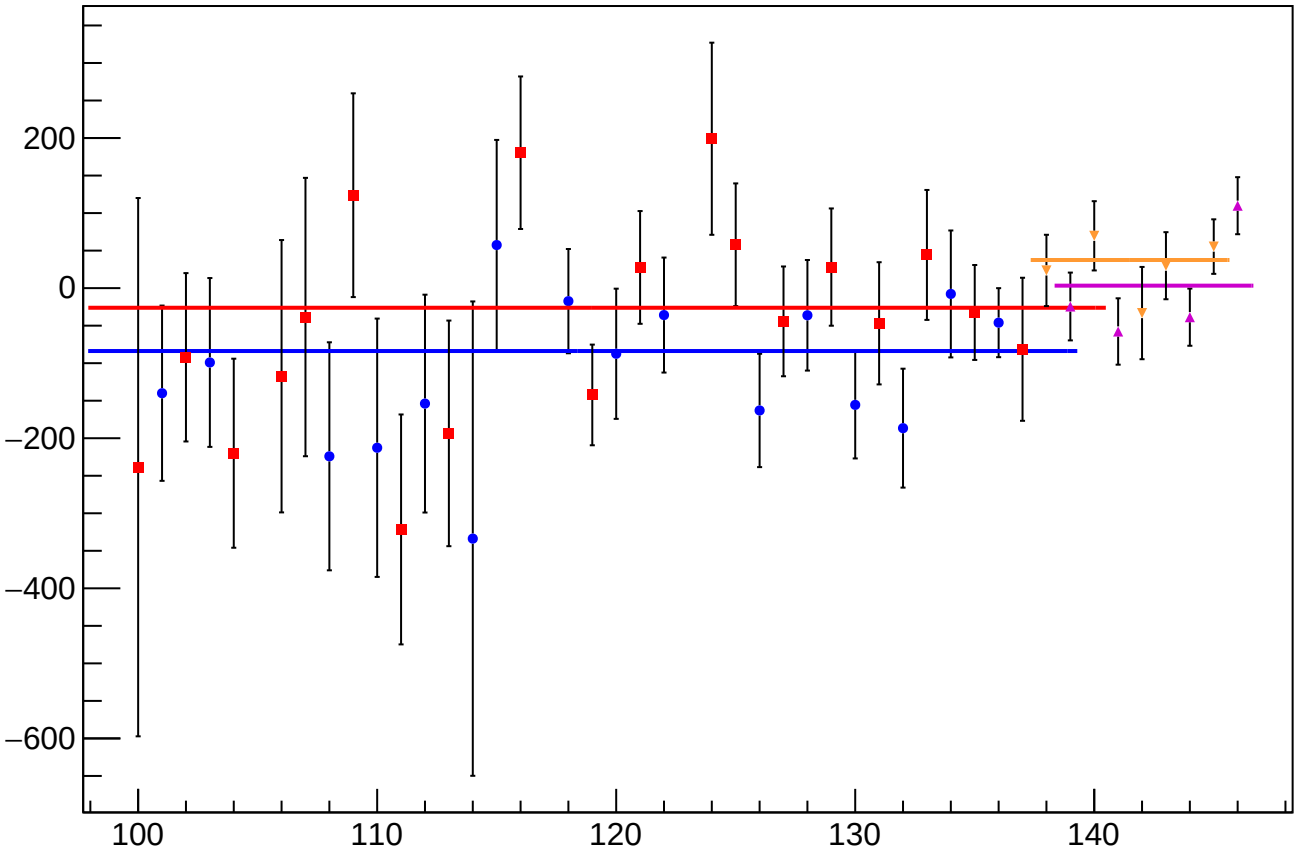
Left: 111.333+/-0.030 χ^2/NDF: 701204.8/8

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 143.484+/-0.036 χ^2/NDF:5257743.1/19

Out: 145.811+/-0.036 χ^2/NDF:6098476.4/23

All: 144.630+/-0.026 χ^2/NDF: 11358288.1/43



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 37.486+/-20.263 χ^2/NDF:2.2/4

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 3.310+/-20.488 χ^2/NDF:11.4/3

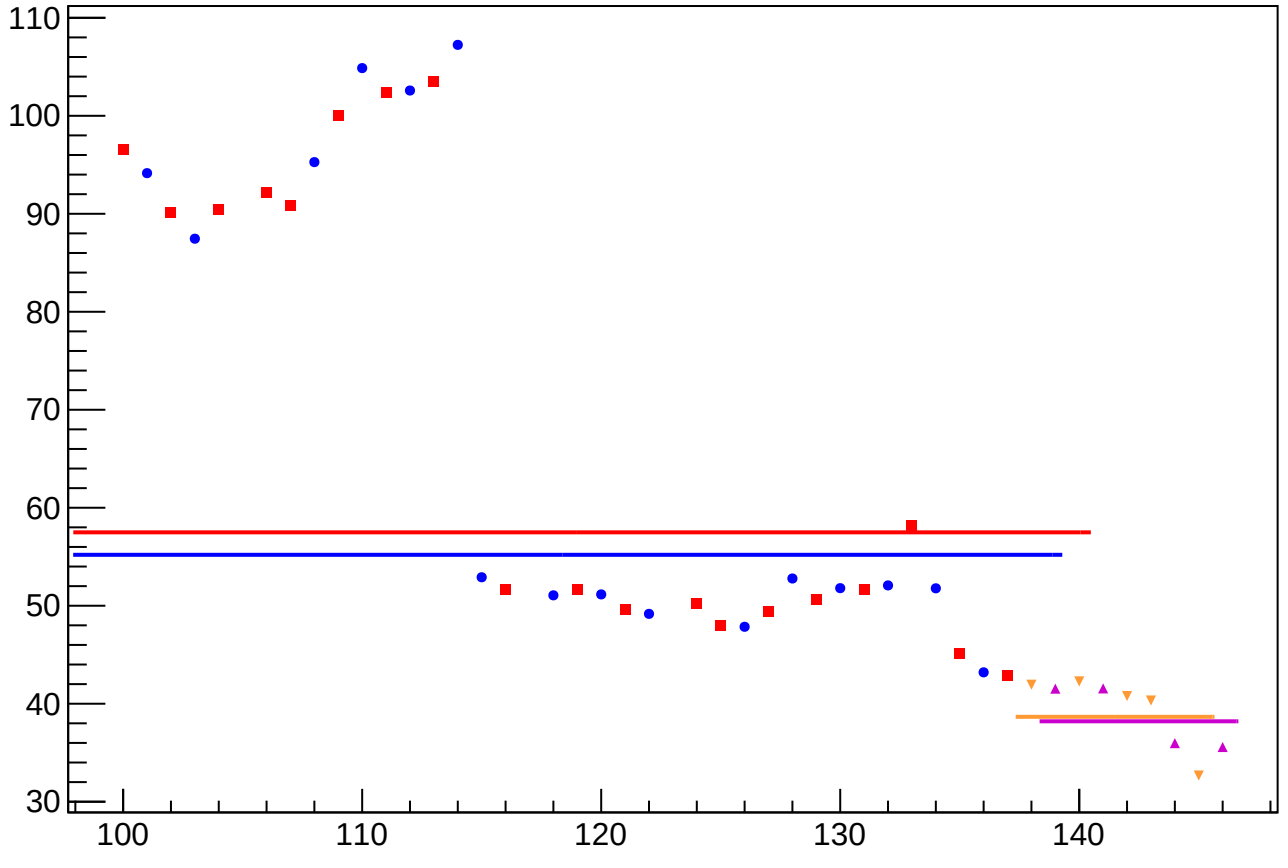
Left: 20.587+/-14.407 χ^2/NDF: 14.9/8

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -38.282+/-14.811 χ^2/NDF:30.5/19

Out: 8.382+/-14.926 χ^2/NDF:29.6/23

All: -15.131+/-10.513 χ^2/NDF: 65.0/43



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.664+/-0.014 χ^2/NDF:81367.3/4

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

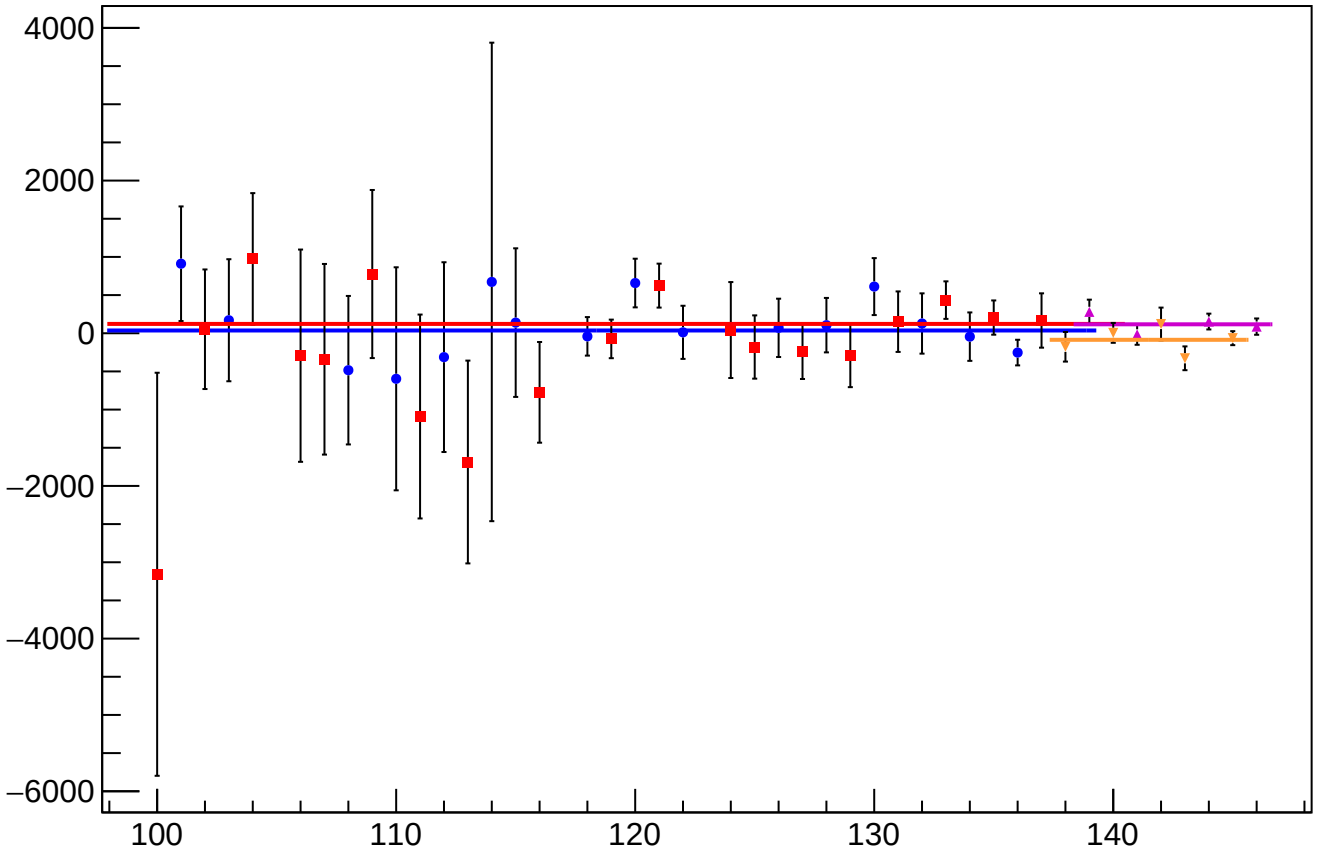
Left: 38.437+/-0.010 χ^2/NDF: 120647.8/8

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 46.318+/-0.010 χ^2/NDF:1848141.8/19

Out: 47.275+/-0.011 χ^2/NDF:2145495.2/23

All: 46.793+/-0.007 χ^2/NDF: 3997776.5/43



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -85.884+/-61.136 χ^2/NDF:4.1/4

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 117.230+/-60.414 χ^2/NDF:2.2/3

Left: 16.880+/-42.972 χ^2/NDF: 11.9/8

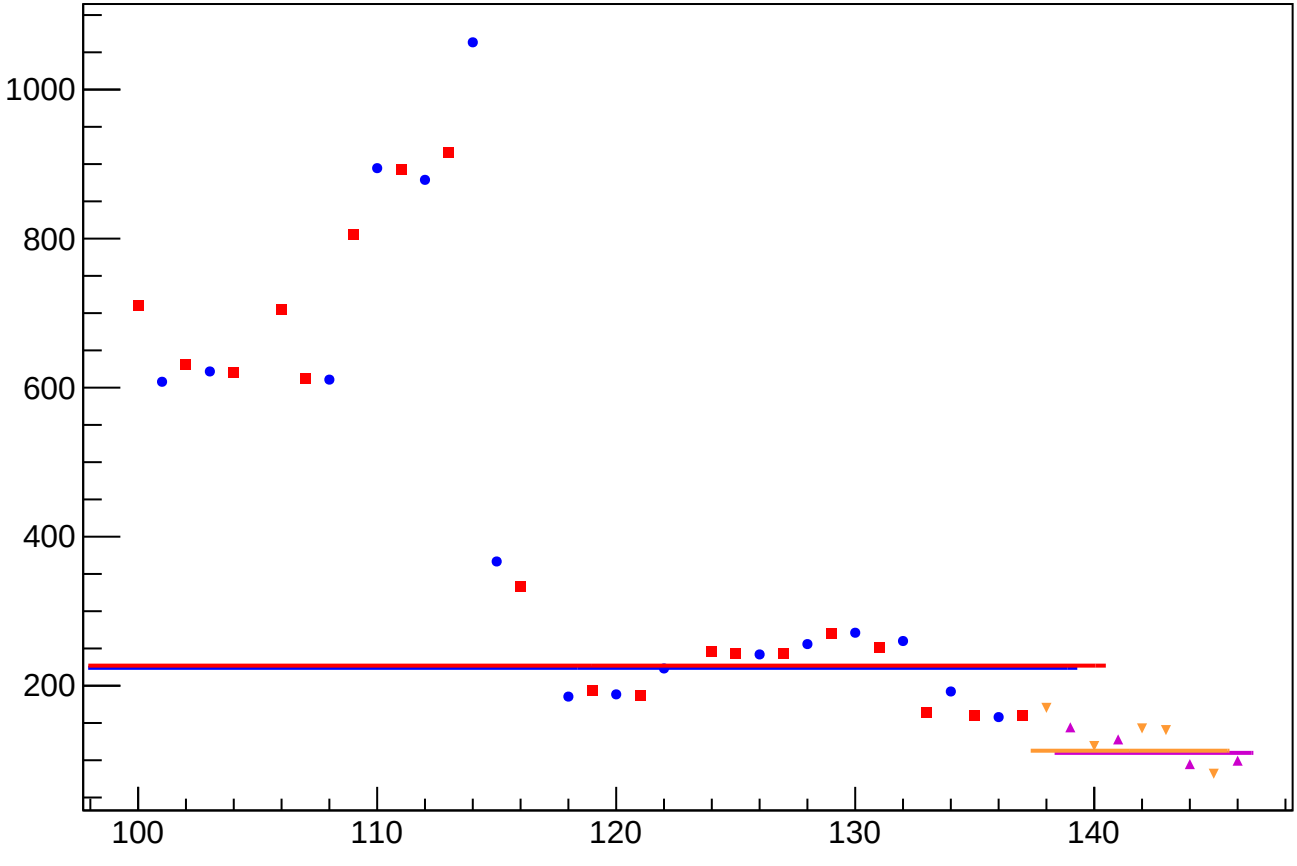
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 93.425+/-50.753 χ^2/NDF:14.1/19

Out: -25.697+/-51.546 χ^2/NDF:23.0/23

All: 34.787+/-36.165 χ^2/NDF: 39.9/43

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: 112.803+/-0.043 χ^2/NDF:510022.5/4

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 109.897+/-0.043 χ^2/NDF:188897.1/3

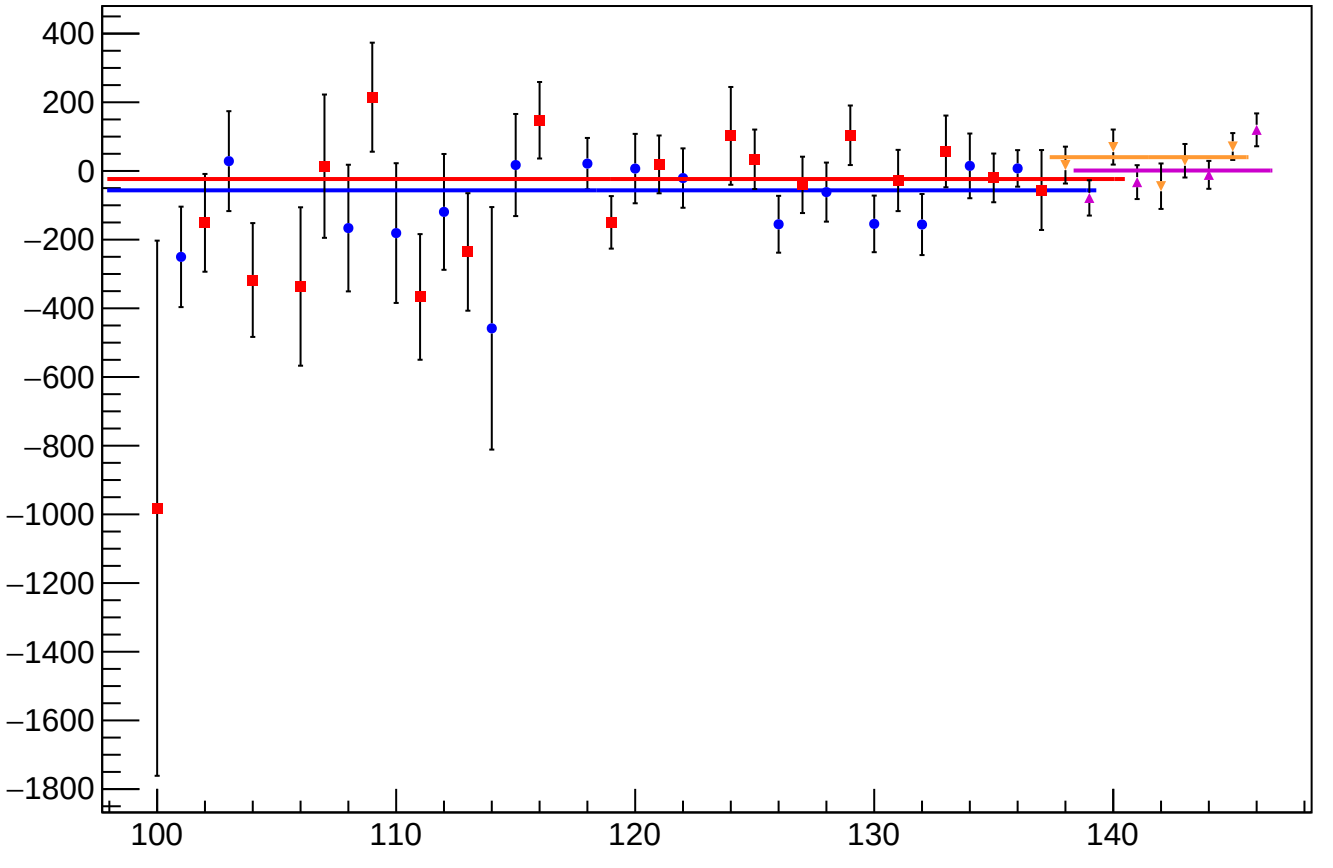
Left: 111.333+/-0.030 χ^2/NDF: 701204.8/8

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 143.484+/-0.036 χ^2/NDF:5257743.1/19

Out: 145.811+/-0.036 χ^2/NDF:6098476.4/23

All: 144.630+/-0.026 χ^2/NDF: 11358288.1/43



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 40.137+/-22.177 χ^2/NDF:2.8/4

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 1.307+/-23.367 χ^2/NDF:9.1/3

Left: 21.736+/-16.086 χ^2/NDF: 13.4/8

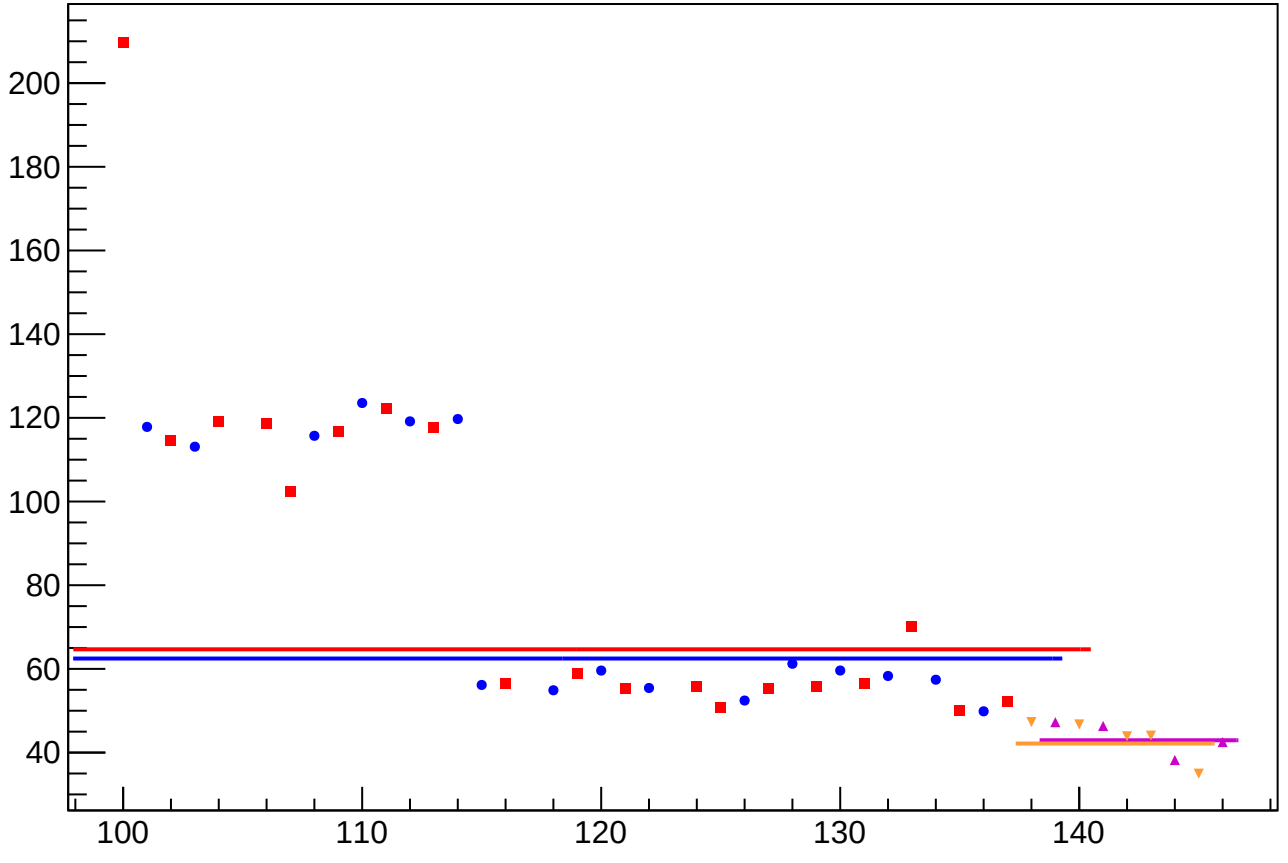
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -26.201+/-16.906 χ^2/NDF:24.3/19

Out: 12.316+/-16.637 χ^2/NDF:30.5/23

All: -6.634+/-11.858 χ^2/NDF: 57.4/43

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.160+/-0.016 χ^2/NDF:106542.4/4

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 42.941+/-0.017 χ^2/NDF:50799.8/3

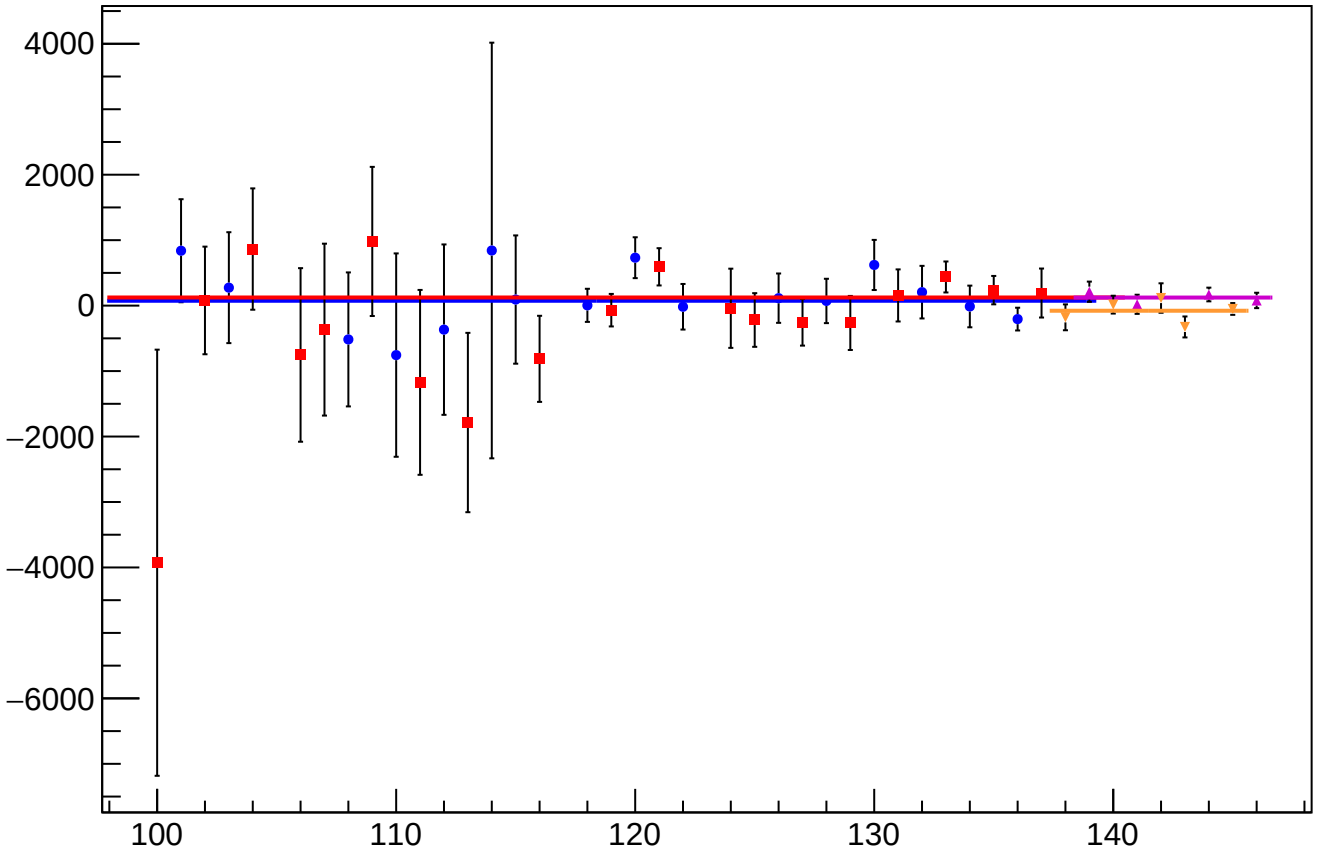
Left: 42.530+/-0.011 χ^2/NDF: 158519.6/8

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 52.250+/-0.012 χ^2/NDF:2065040.3/19

Out: 52.006+/-0.012 χ^2/NDF:2598750.5/23

All: 52.126+/-0.008 χ^2/NDF: 4664002.3/43



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -78.240+/-61.825 χ^2/NDF:4.0/4

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 123.194+/-62.963 χ^2/NDF:1.2/3

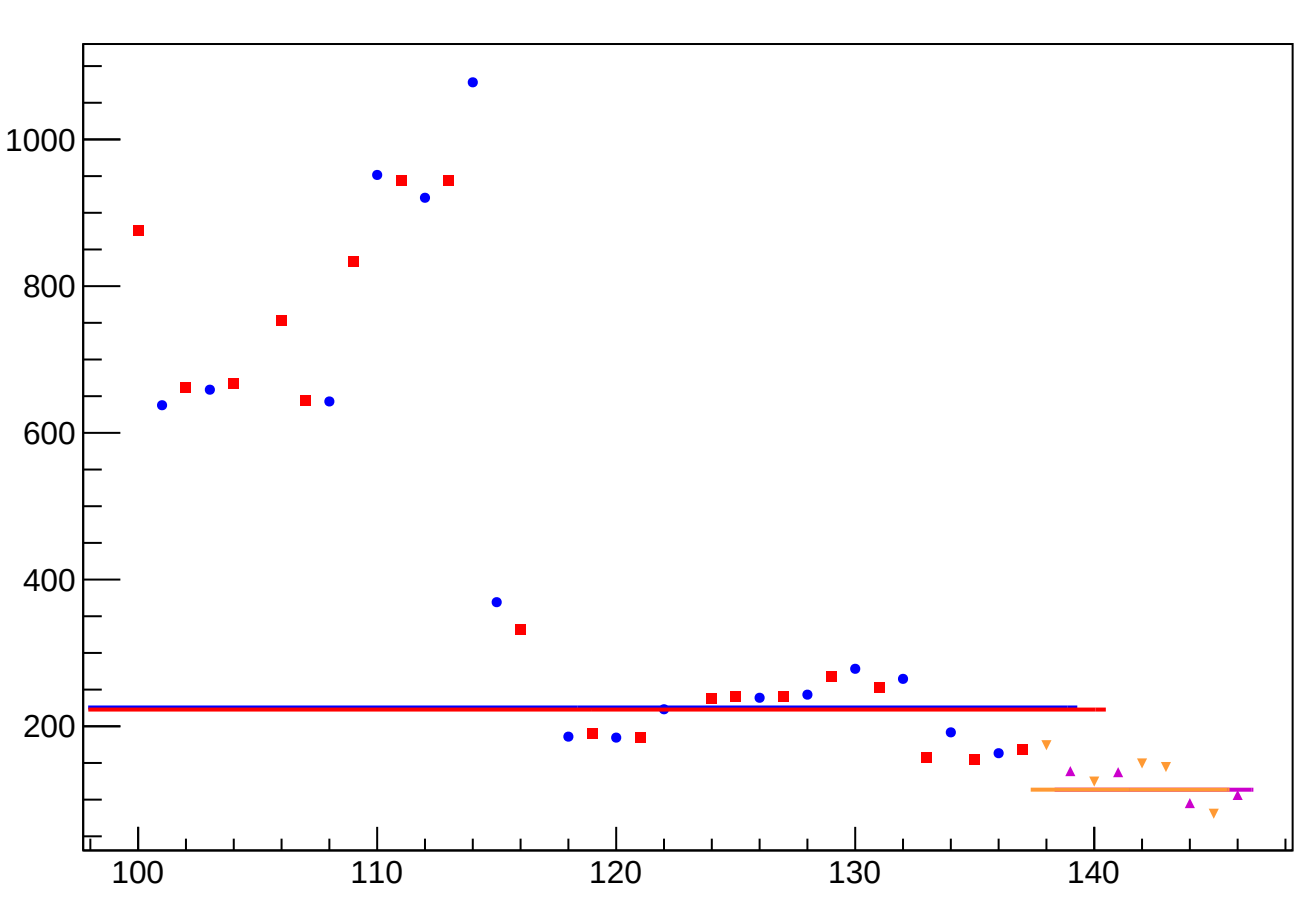
Left: 20.640+/-44.114 χ^2/NDF: 10.3/8

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 108.159+/-52.396 χ^2/NDF:12.6/19

Out: -17.711+/-51.763 χ^2/NDF:23.5/23

All: 44.459+/-36.824 χ^2/NDF: 39.0/43



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 113.604+/-0.044 χ^2/NDF:591526.6/4

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 113.534+/-0.045 χ^2/NDF:175507.7/3

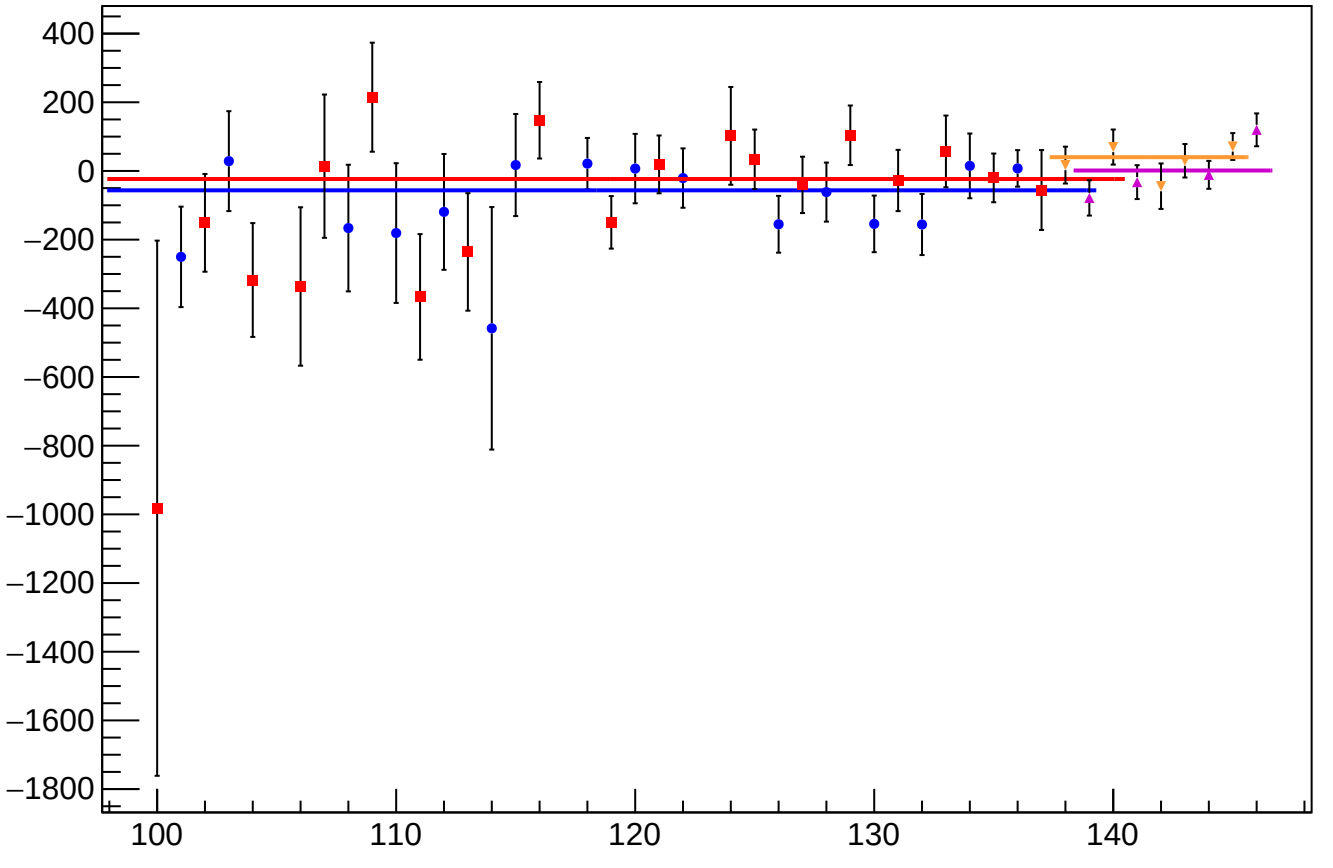
Left: 113.570+/-0.031 χ^2/NDF: 767035.5/8

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 147.996+/-0.037 χ^2/NDF:5150136.1/19

Out: 146.249+/-0.037 χ^2/NDF:6304658.8/23

All: 147.112+/-0.026 χ^2/NDF: 11455920.8/43



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 40.138+/-22.177 χ^2/NDF:2.8/4

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 1.308+/-23.367 χ^2/NDF:9.1/3

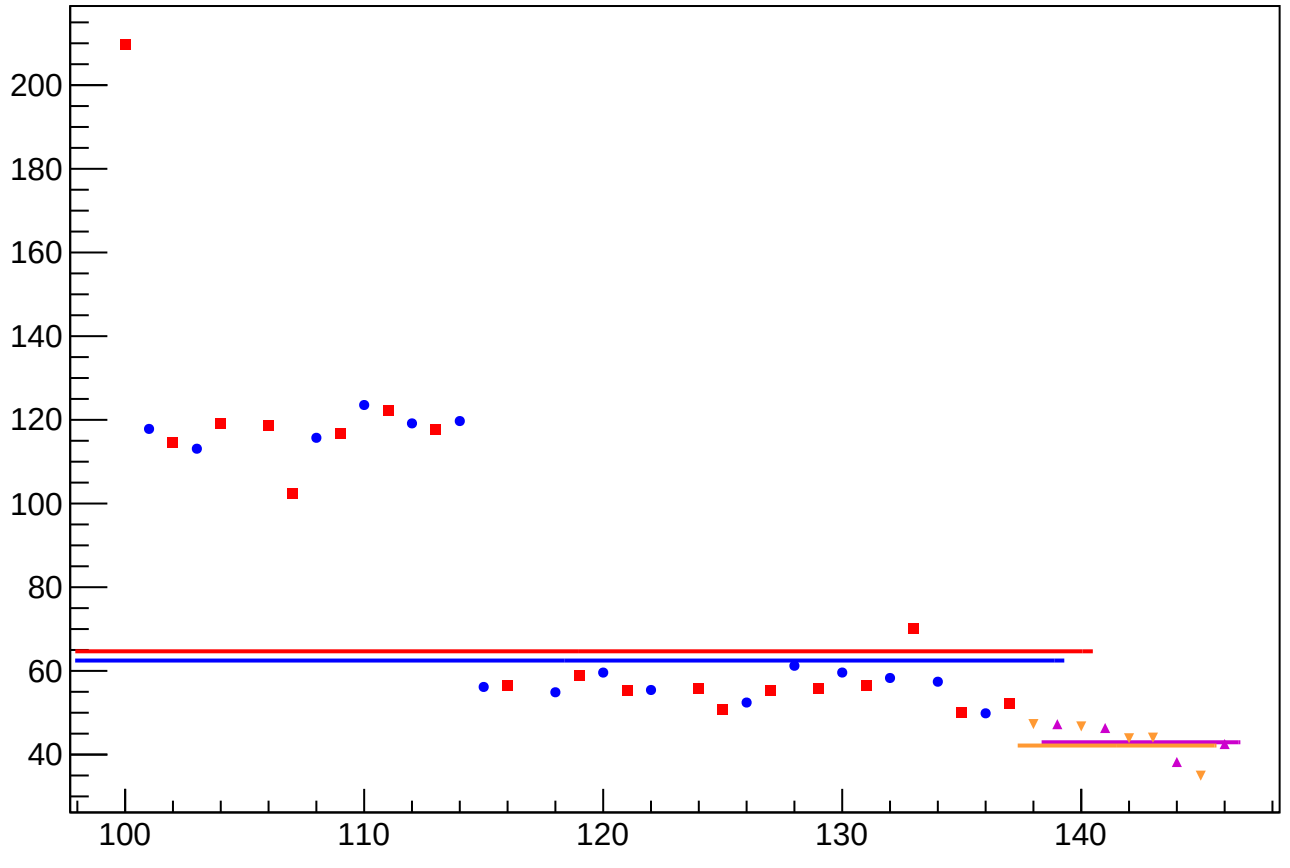
Left: 21.737+/-16.086 χ^2/NDF: 13.4/8

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -26.201+/-16.906 χ^2/NDF:24.3/19

Out: 12.315+/-16.637 χ^2/NDF:30.5/23

All: -6.635+/-11.858 χ^2/NDF: 57.4/43



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.160+/-0.016 χ^2/NDF:106546.1/4

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.941+/-0.017 χ^2/NDF:50798.7/3

Left: 42.530+/-0.011 χ^2/NDF: 158522.0/8

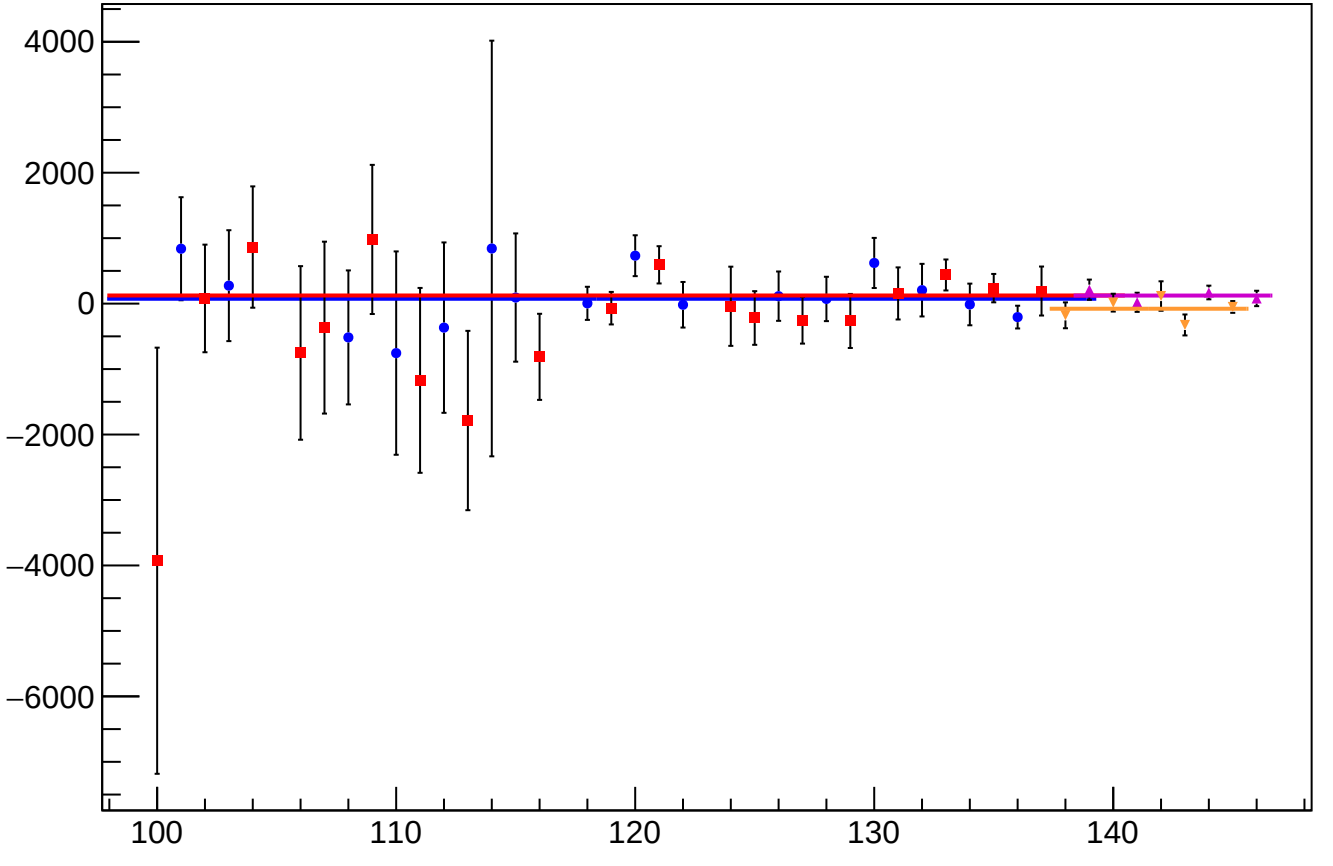
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 52.250+/-0.012 χ^2/NDF:2064988.8/19

Out: 52.006+/-0.012 χ^2/NDF:2598708.2/23

All: 52.126+/-0.008 χ^2/NDF: 4663908.1/43

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: -78.239+/-61.825 χ^2/NDF:4.0/4

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 123.194+/-62.963 χ^2/NDF:1.2/3

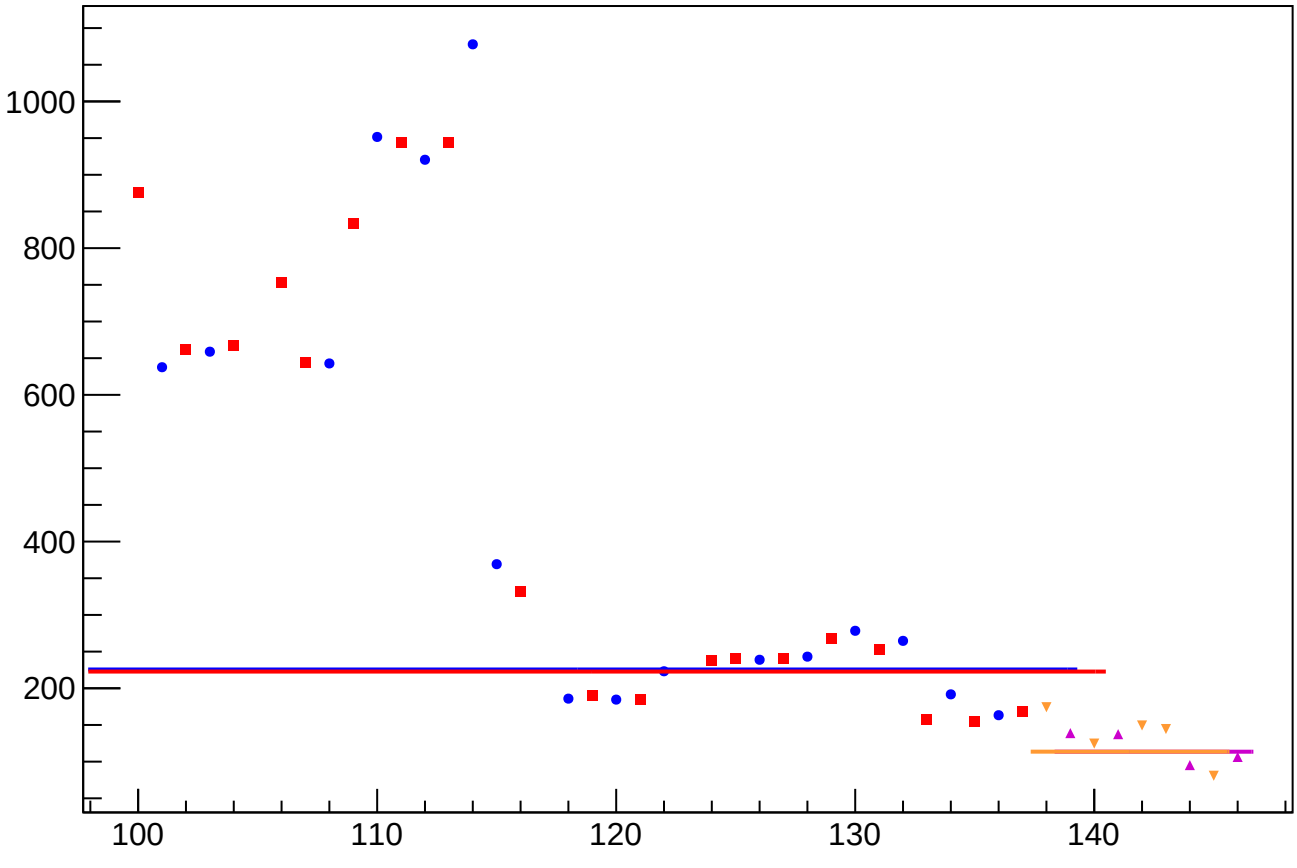
Left: 20.641+/-44.114 χ^2/NDF: 10.3/8

Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 108.159+/-52.397 χ^2/NDF:12.6/19

Out: -17.711+/-51.764 χ^2/NDF:23.5/23

All: 44.459+/-36.824 χ^2/NDF: 39.0/43



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 113.604+/-0.044 χ^2/NDF:591534.1/4

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 113.535+/-0.045 χ^2/NDF:175512.9/3

Left: 113.570+/-0.031 χ^2/NDF: 767048.3/8

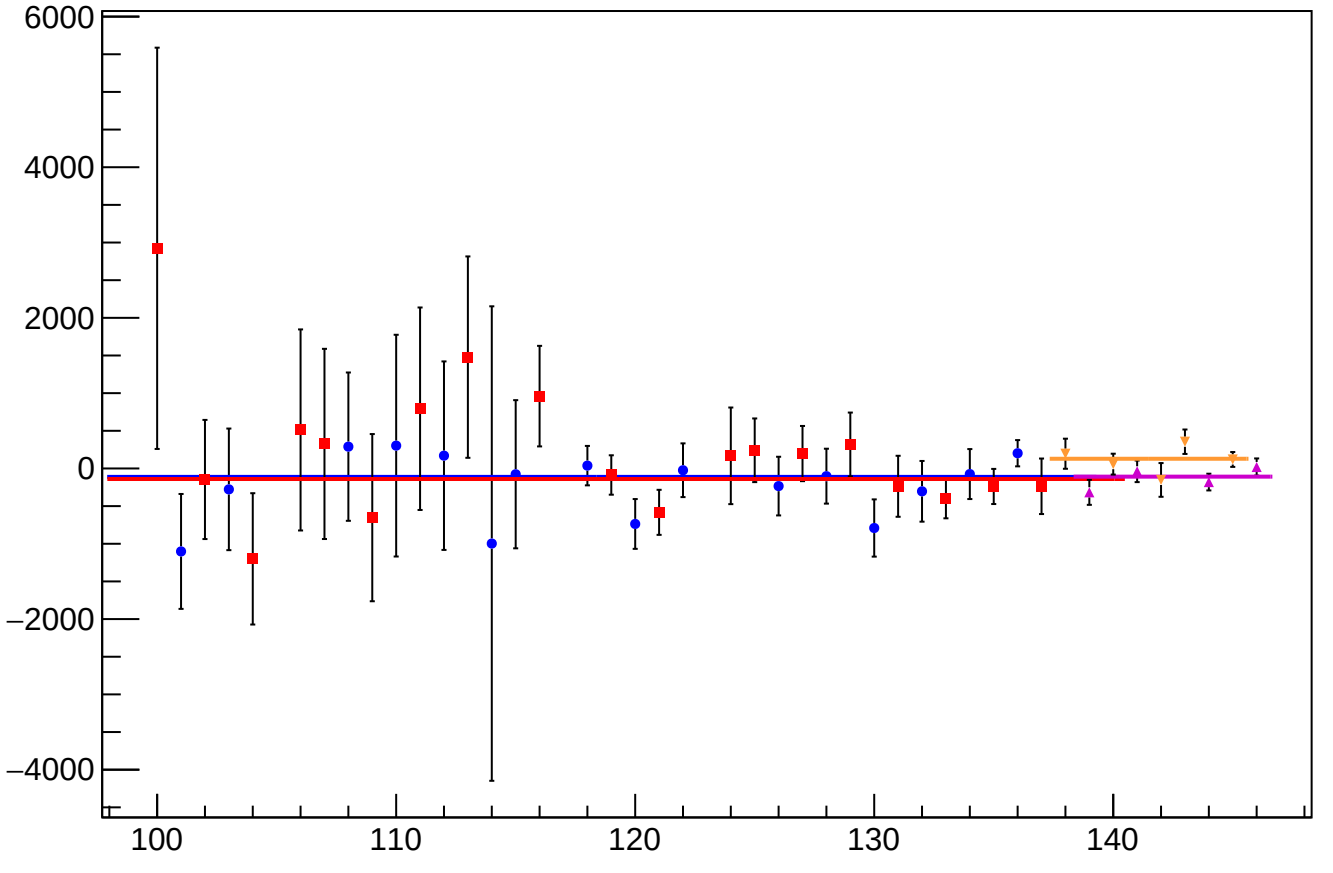
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 147.997+/-0.037 χ^2/NDF:5150120.9/19

Out: 146.249+/-0.037 χ^2/NDF:6304640.5/23

All: 147.112+/-0.026 χ^2/NDF: 11455886.9/43

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 128.834+/-64.833 χ^2/NDF:3.9/4

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -108.669+/-64.135 χ^2/NDF:3.5/3

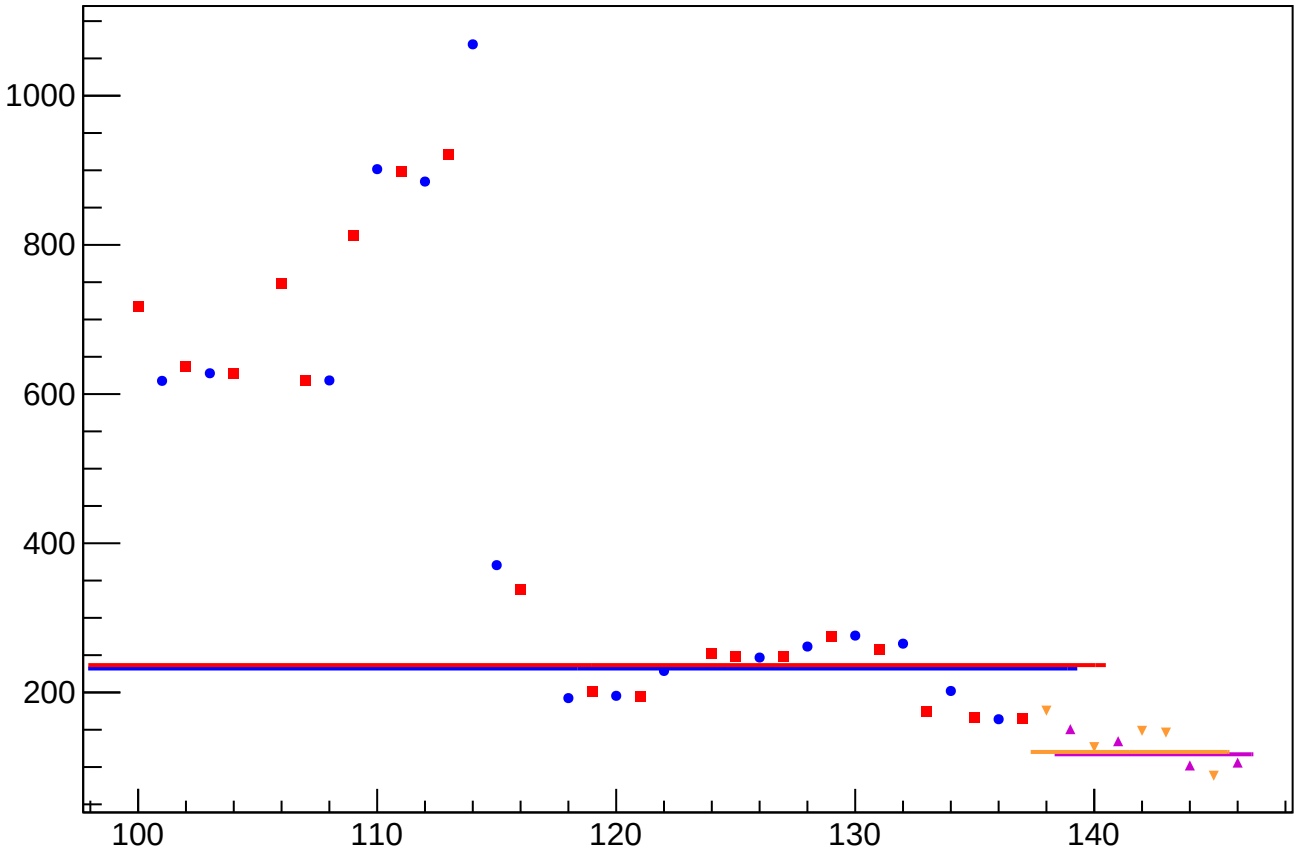
Left: 8.796+/-45.595 χ^2/NDF: 14.2/8

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -109.663+/-53.423 χ^2/NDF:16.3/19

Out: 48.350+/-54.266 χ^2/NDF:23.7/23

All: -31.894+/-38.070 χ^2/NDF: 44.3/43



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 120.219+/-0.046 χ^2/NDF:449699.7/4

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 117.088+/-0.045 χ^2/NDF:167197.9/3

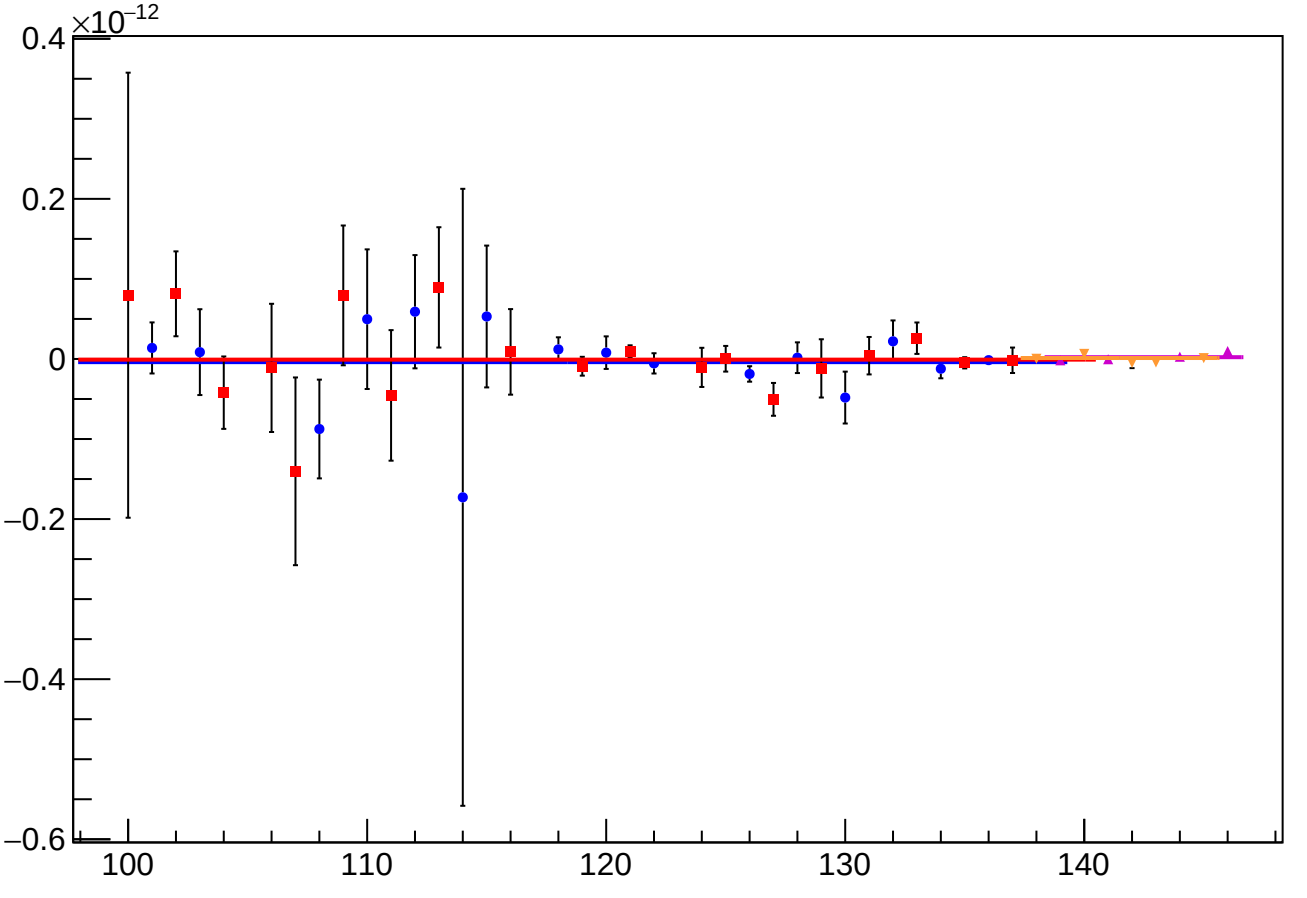
Left: 118.637+/-0.032 χ^2/NDF: 619254.3/8

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 152.302+/-0.038 χ^2/NDF:5022028.7/19

Out: 155.078+/-0.038 χ^2/NDF:5901874.6/23

All: 153.668+/-0.027 χ^2/NDF: 10926562.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/3

Left: 0.000+/-0.000 χ^2/NDF: 6.9/8

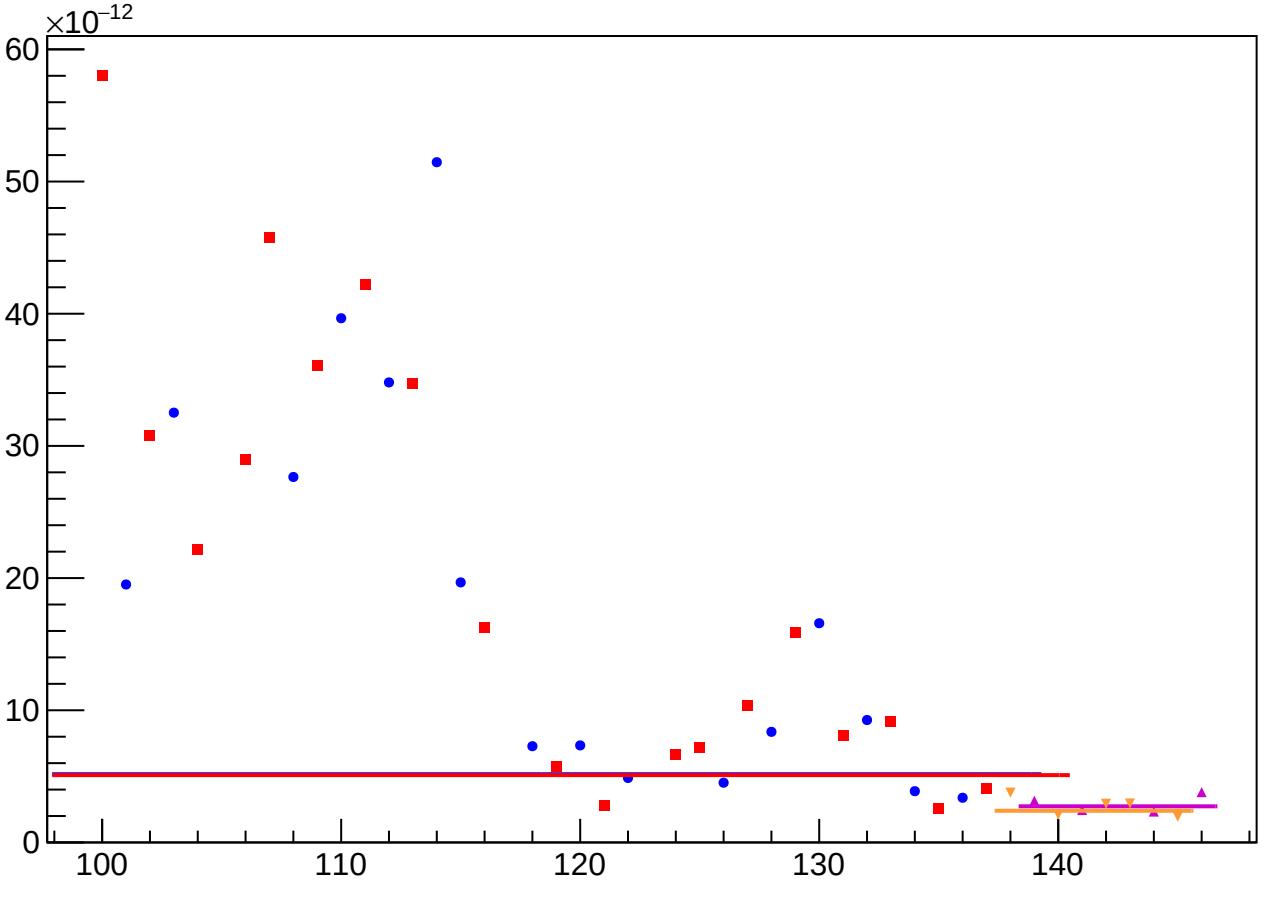
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:16.1/19

Out: 0.000+/-0.000 χ^2/NDF:22.5/23

All: 0.000+/-0.000 χ^2/NDF: 38.6/43

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:188600.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:113464.1/3

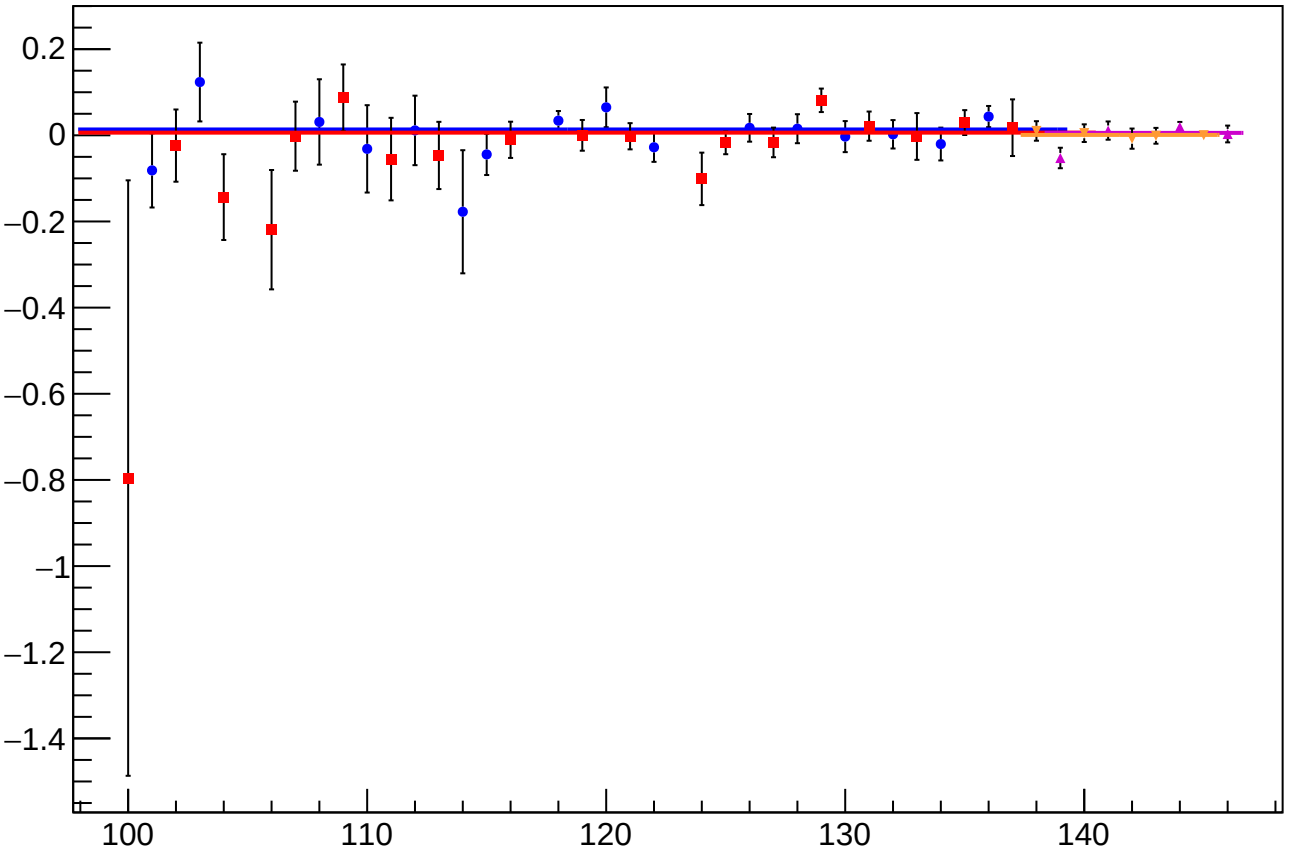
Left: 0.000+/-0.000 χ^2/NDF: 327894.1/8

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3371082.2/19

Out: 0.000+/-0.000 χ^2/NDF:4175696.4/23

All: 0.000+/-0.000 χ^2/NDF: 7613451.0/43



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.008 χ^2/NDF:0.4/4

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.006+/-0.009 χ^2/NDF:7.4/3

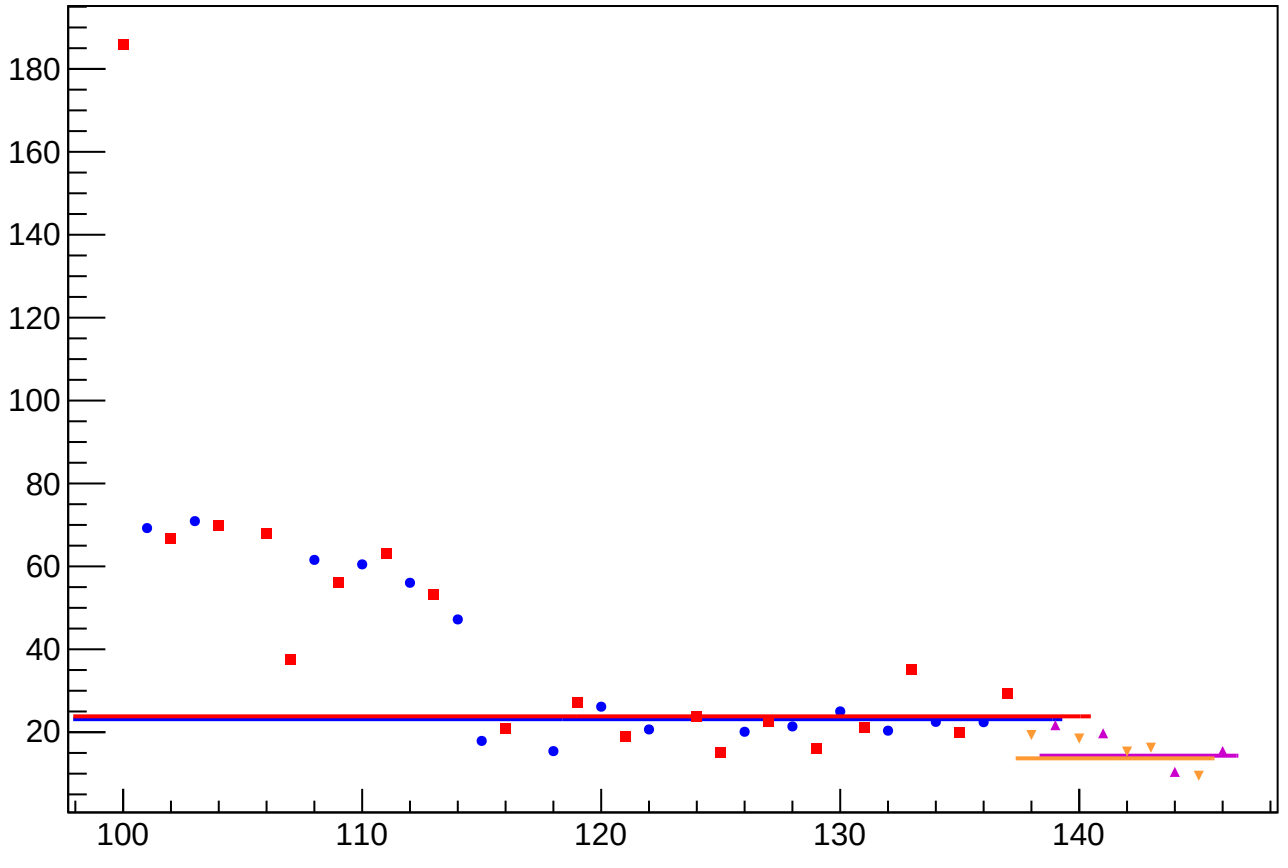
Left: 0.003+/-0.006 χ^2/NDF: 7.9/8

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.009+/-0.006 χ^2/NDF:20.1/19

Out: 0.003+/-0.006 χ^2/NDF:22.0/23

All: 0.006+/-0.004 χ^2/NDF: 42.6/43



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 13.695+/-0.005 χ^2/NDF:556930.5/4

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.335+/-0.006 χ^2/NDF:547791.3/3

Left: 13.983+/-0.004 χ^2/NDF: 1110947.6/8

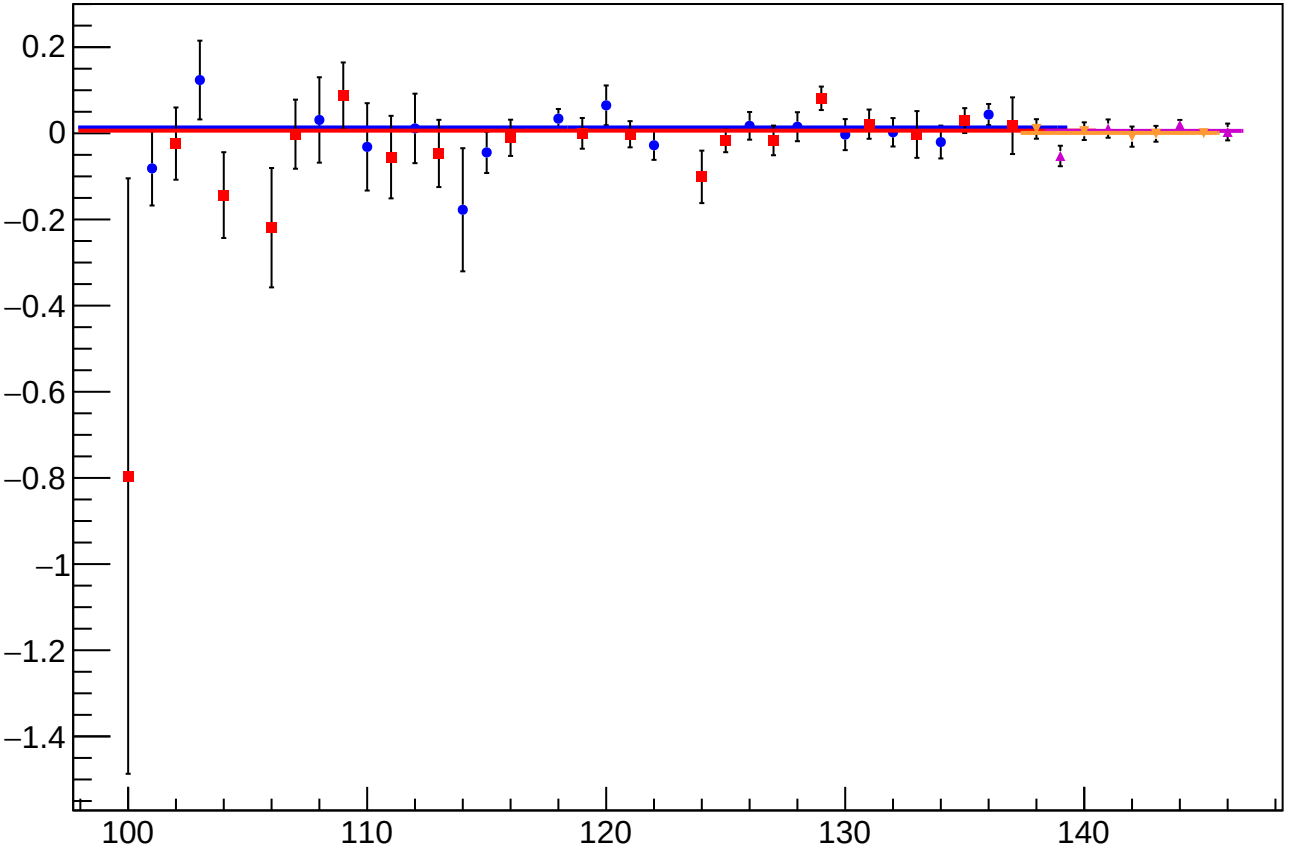
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.100+/-0.005 χ^2/NDF:3871143.9/19

Out: 17.422+/-0.004 χ^2/NDF:4735564.8/23

All: 17.743+/-0.003 χ^2/NDF: 8618369.3/43

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.008 χ^2/NDF:0.4/4

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.006+/-0.009 χ^2/NDF:7.4/3

Left: 0.003+/-0.006 χ^2/NDF: 7.9/8

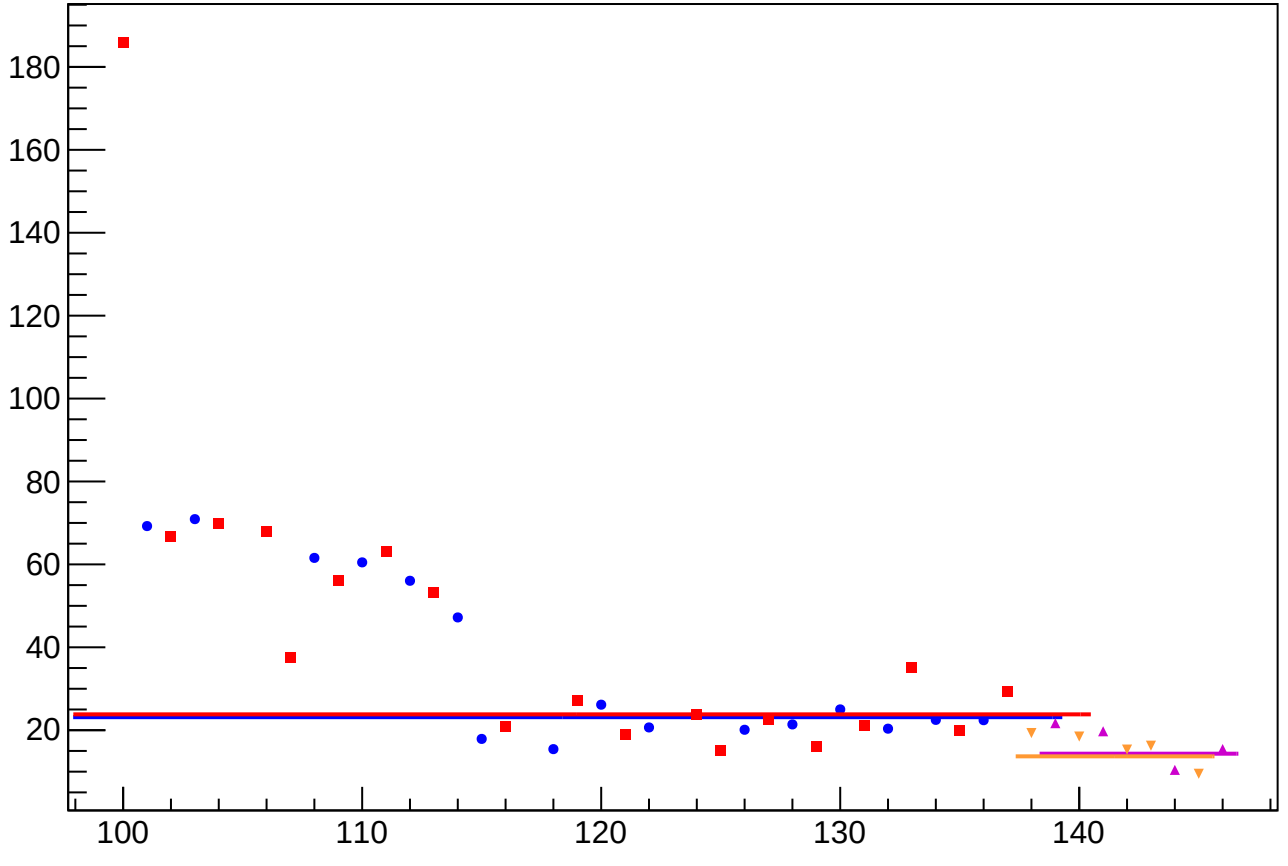
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.009+/-0.006 χ^2/NDF:20.1/19

Out: 0.003+/-0.006 χ^2/NDF:22.0/23

All: 0.006+/-0.004 χ^2/NDF: 42.6/43

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: 13.695+/-0.005 χ^2/NDF:556930.5/4

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.335+/-0.006 χ^2/NDF:547791.3/3

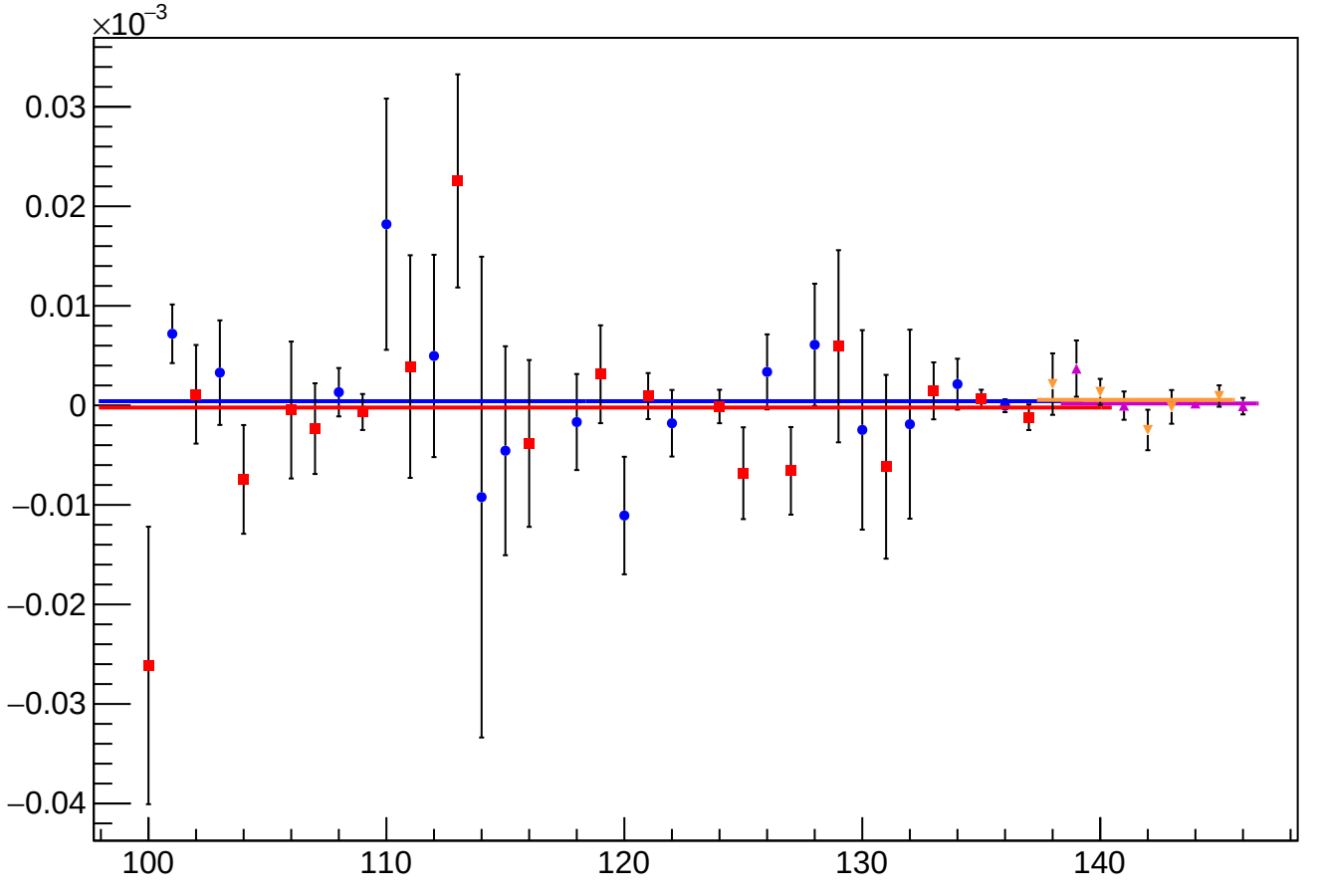
Left: 13.983+/-0.004 χ^2/NDF: 1110947.6/8

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.100+/-0.005 χ^2/NDF:3871143.9/19

Out: 17.422+/-0.004 χ^2/NDF:4735564.8/23

All: 17.743+/-0.003 χ^2/NDF: 8618369.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

Left: 0.000+/-0.000 χ^2/NDF: 5.1/8

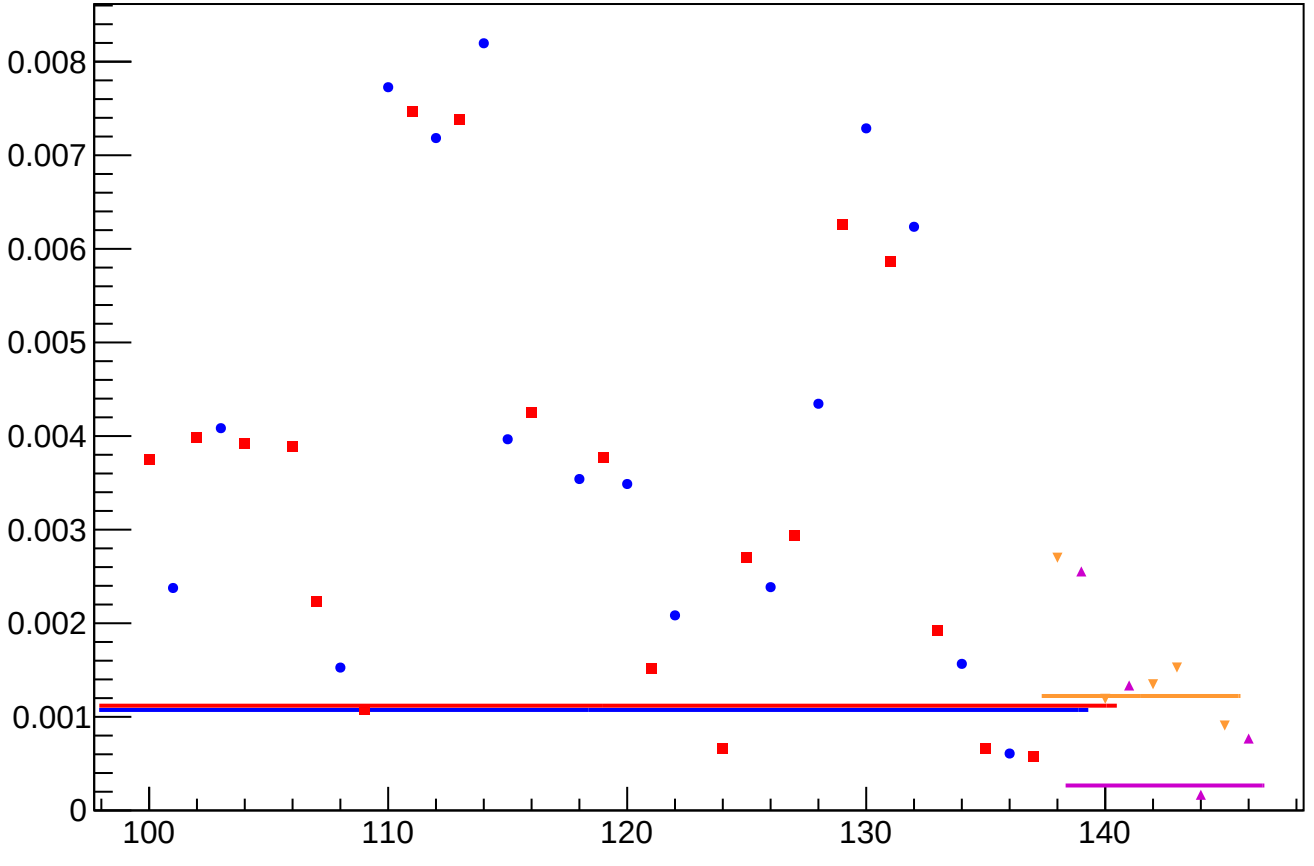
Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:17.1/19

Out: 0.000+/-0.000 χ^2/NDF:21.8/23

All: 0.000+/-0.000 χ^2/NDF: 38.9/43

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:703508.3/4

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3467659.7/3

Left: 0.000+/-0.000 χ^2/NDF: 7673534.7/8

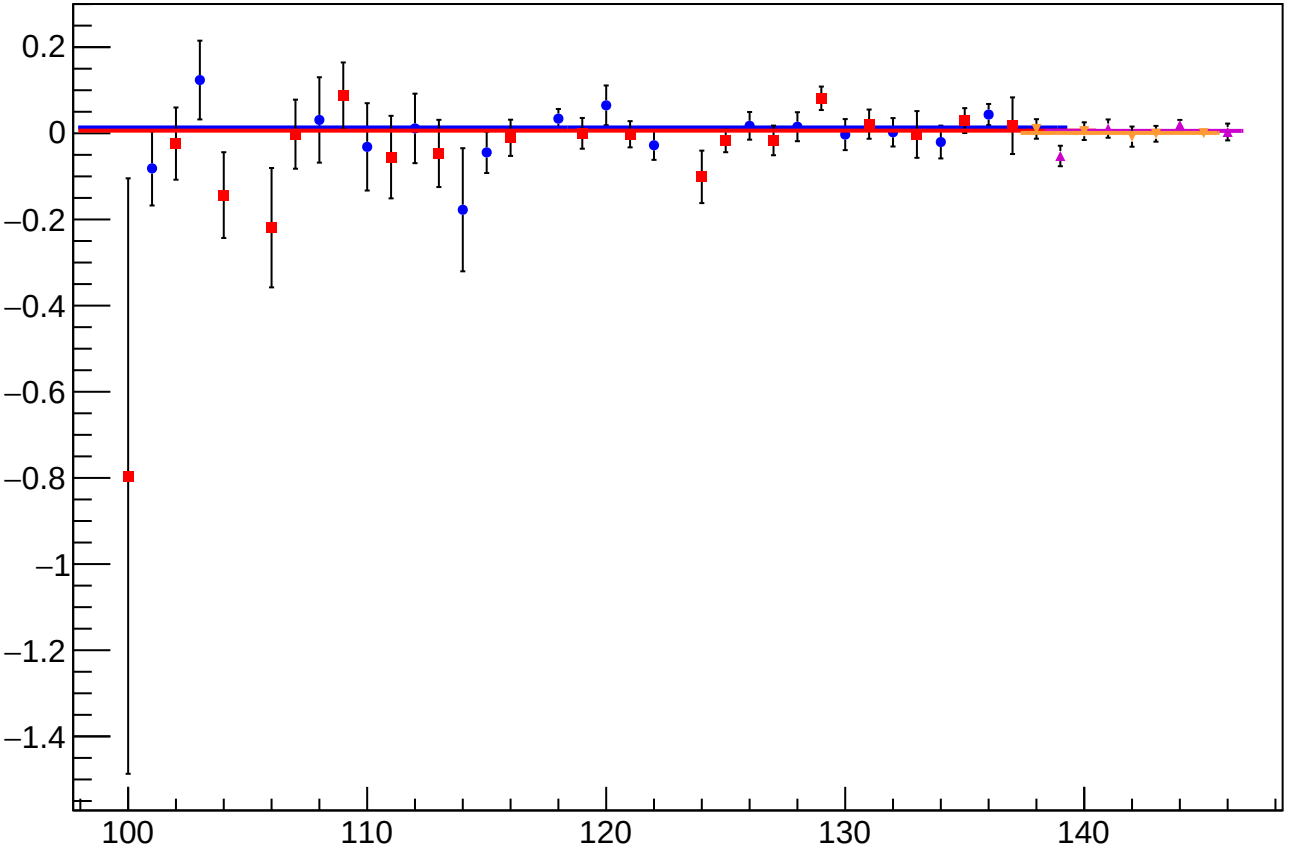
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.000+/-0.000 χ^2/NDF:14016064.2/19

Out: 0.001+/-0.000 χ^2/NDF:7527049.0/23

All: 0.001+/-0.000 χ^2/NDF: 26528976.6/43

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.008 χ^2/NDF:0.4/4

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.006+/-0.009 χ^2/NDF:7.4/3

Left: 0.003+/-0.006 χ^2/NDF: 7.9/8

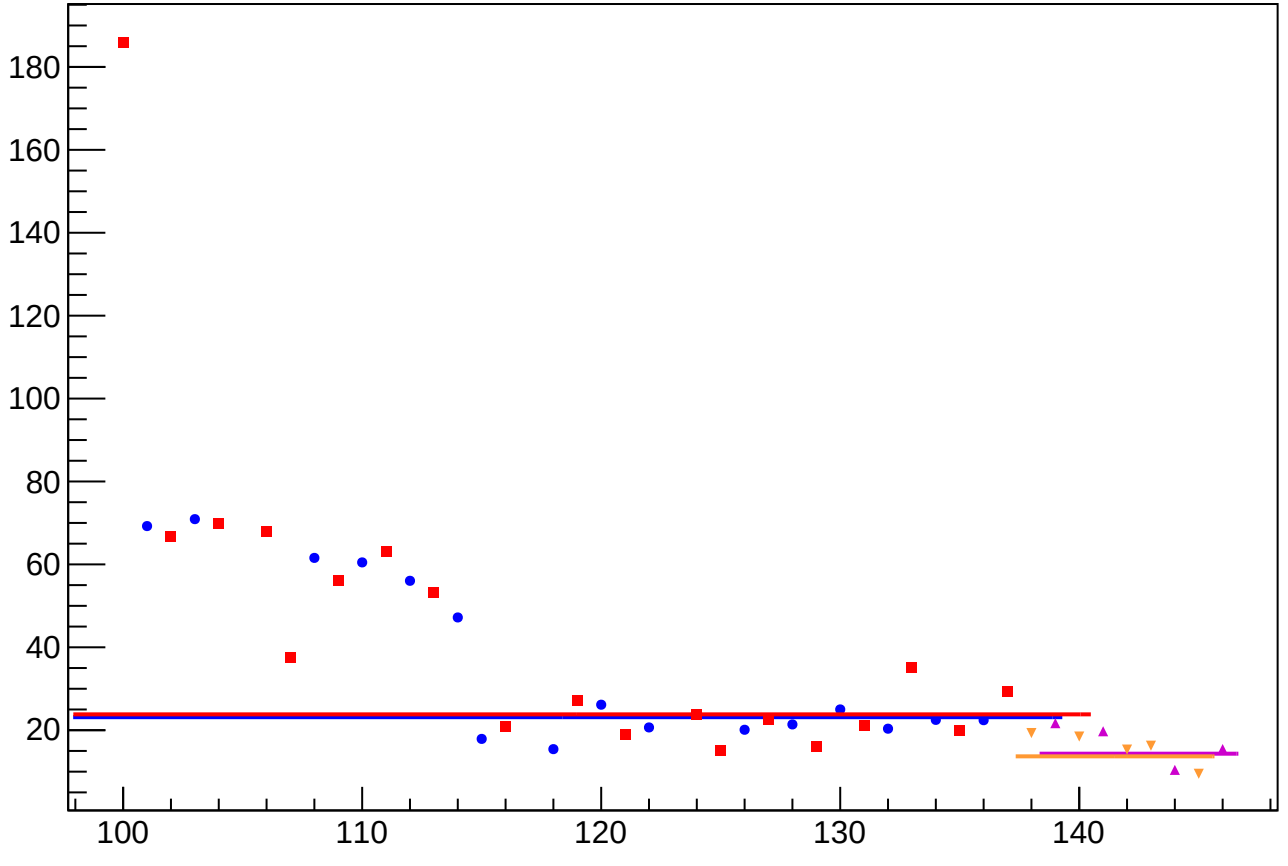
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.009+/-0.006 χ^2/NDF:20.1/19

Out: 0.003+/-0.006 χ^2/NDF:22.0/23

All: 0.006+/-0.004 χ^2/NDF: 42.6/43

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: 13.696+/-0.005 χ^2/NDF:557018.0/4

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.335+/-0.006 χ^2/NDF:547769.8/3

Left: 13.983+/-0.004 χ^2/NDF: 1111015.2/8

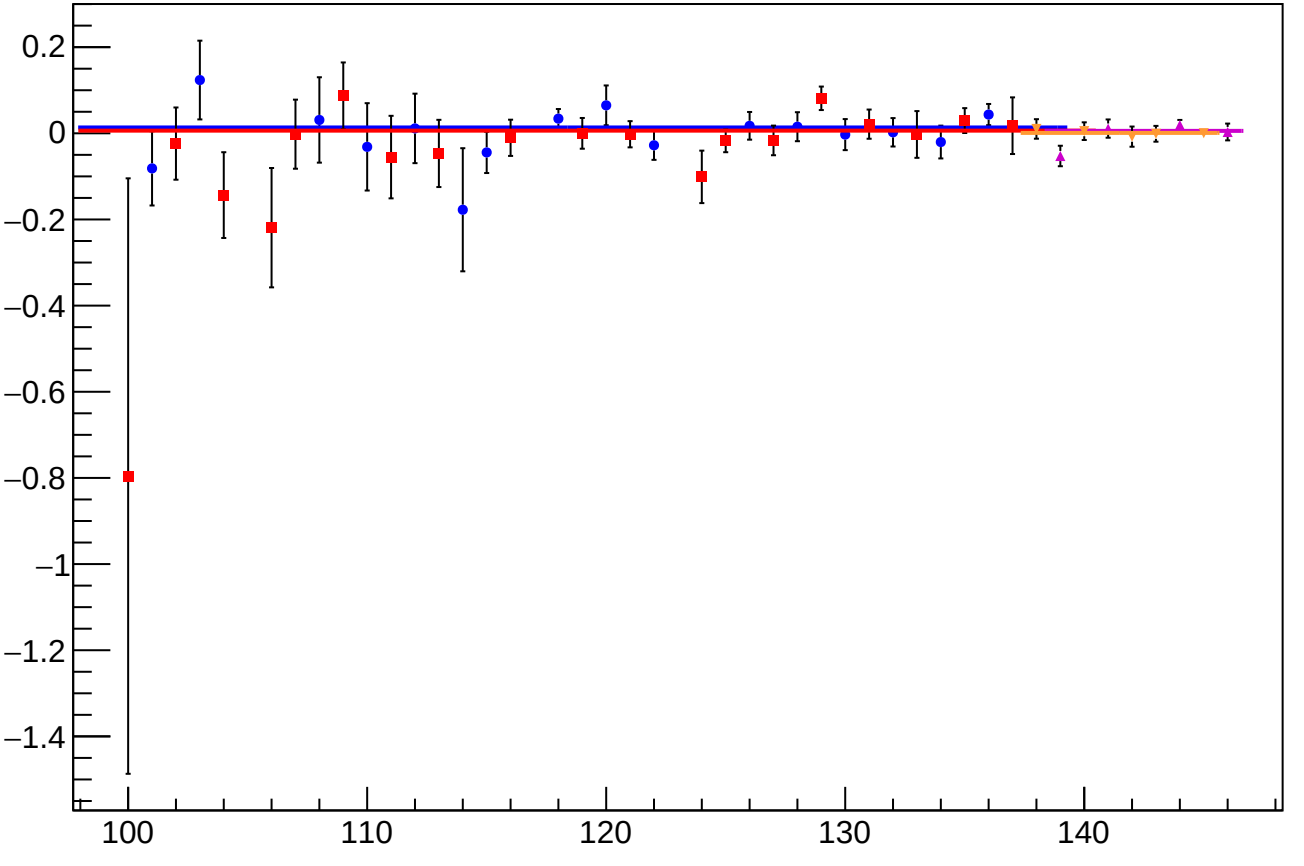
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.100+/-0.005 χ^2/NDF:3870896.2/19

Out: 17.422+/-0.004 χ^2/NDF:4735469.0/23

All: 17.743+/-0.003 χ^2/NDF: 8618019.4/43

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: 0.001+/-0.008 χ^2/NDF:0.4/4

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.006+/-0.009 χ^2/NDF:7.4/3

Left: 0.003+/-0.006 χ^2/NDF: 7.9/8

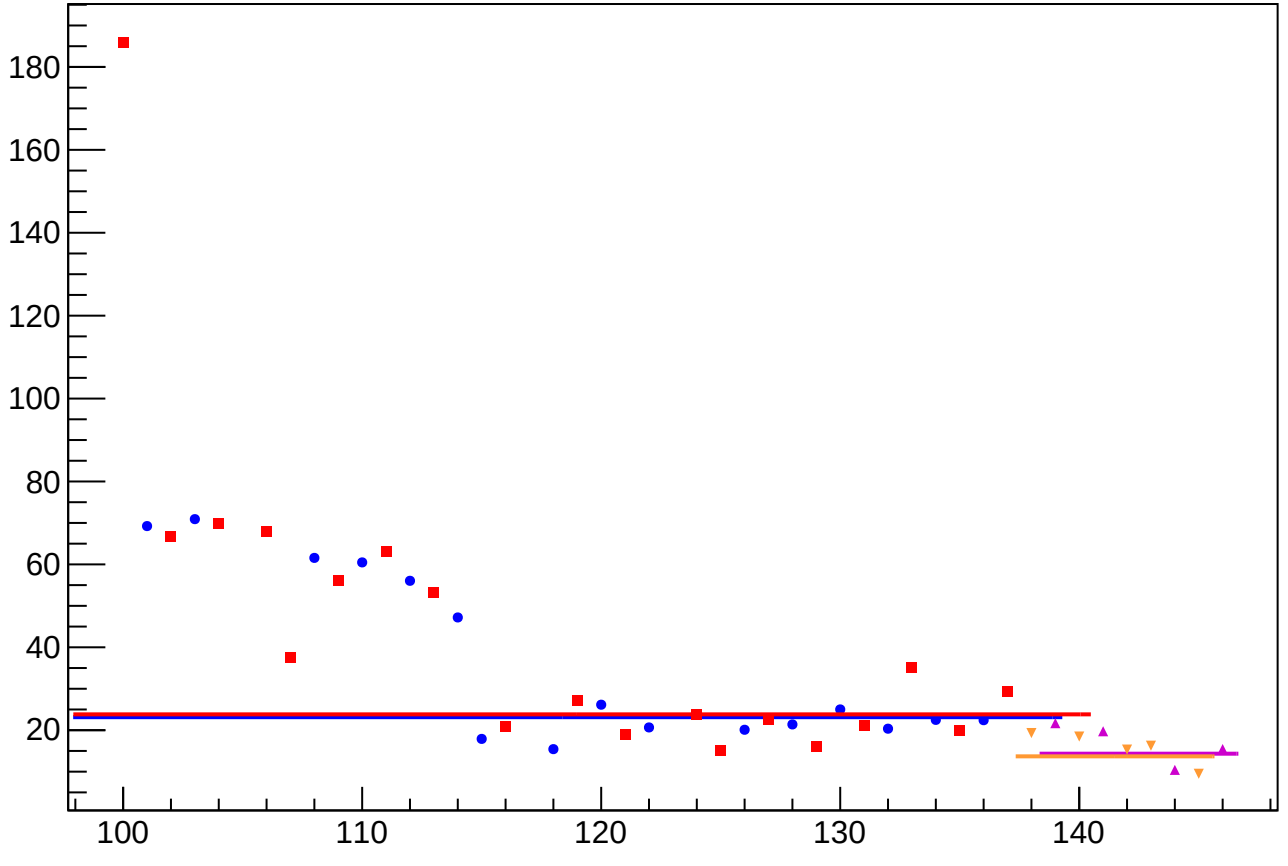
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.009+/-0.006 χ^2/NDF:20.1/19

Out: 0.003+/-0.006 χ^2/NDF:22.0/23

All: 0.006+/-0.004 χ^2/NDF: 42.6/43

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: 13.696+/-0.005 χ^2/NDF:557018.0/4

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.335+/-0.006 χ^2/NDF:547769.8/3

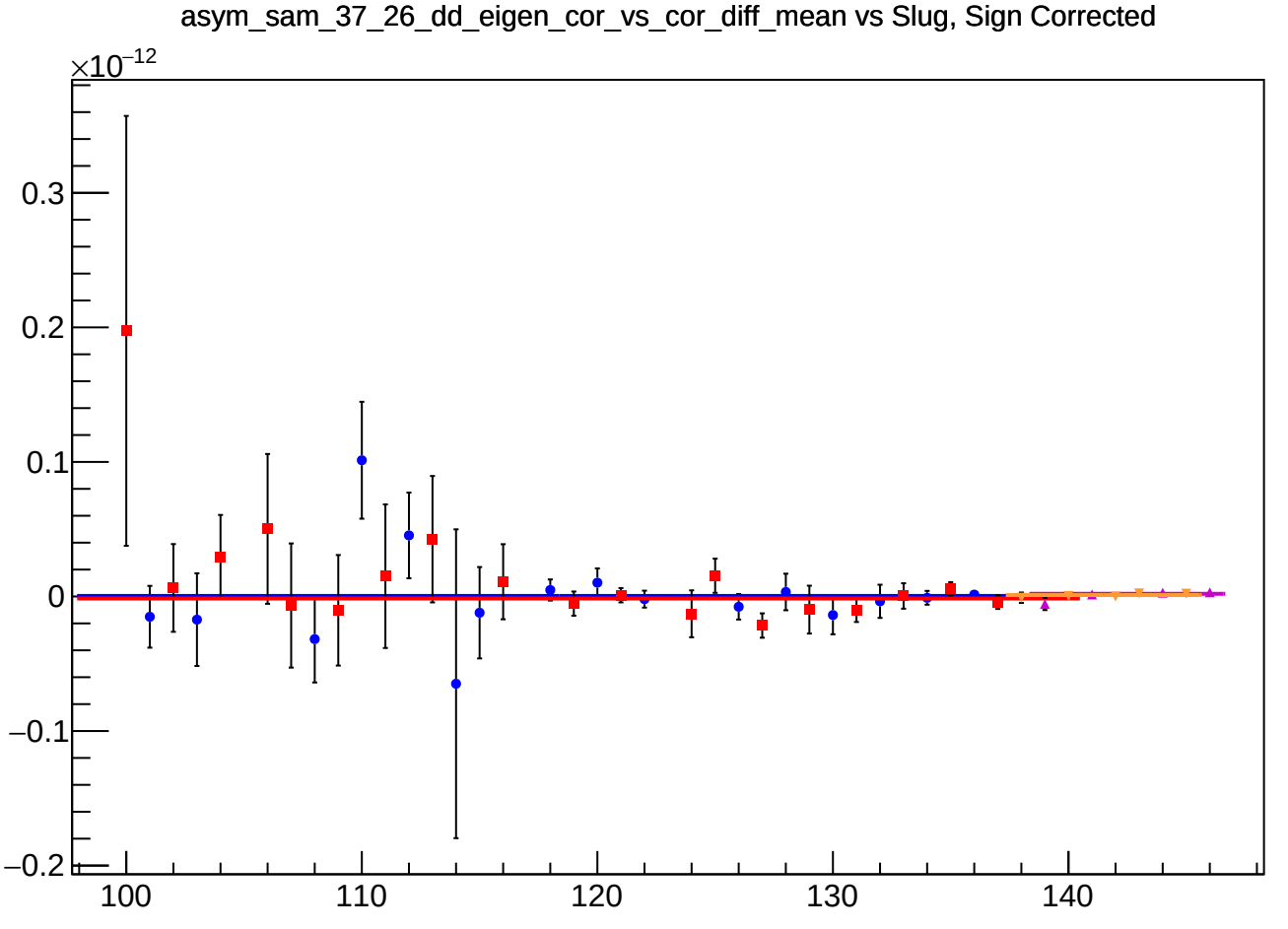
Left: 13.983+/-0.004 χ^2/NDF: 1111015.2/8

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.100+/-0.005 χ^2/NDF:3870896.2/19

Out: 17.422+/-0.004 χ^2/NDF:4735469.0/23

All: 17.743+/-0.003 χ^2/NDF: 8618019.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/3

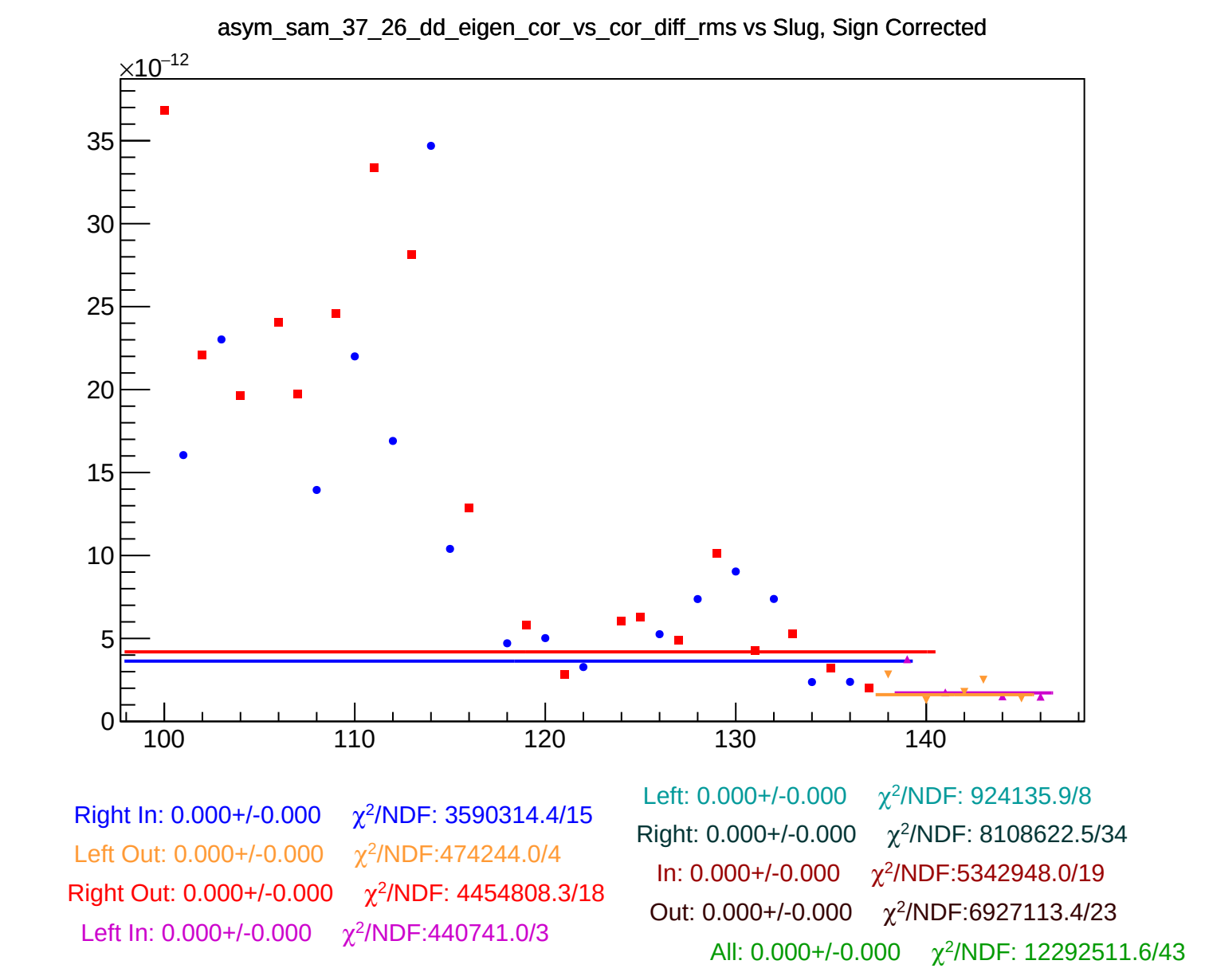
Left: 0.000+/-0.000 χ^2/NDF: 4.6/8

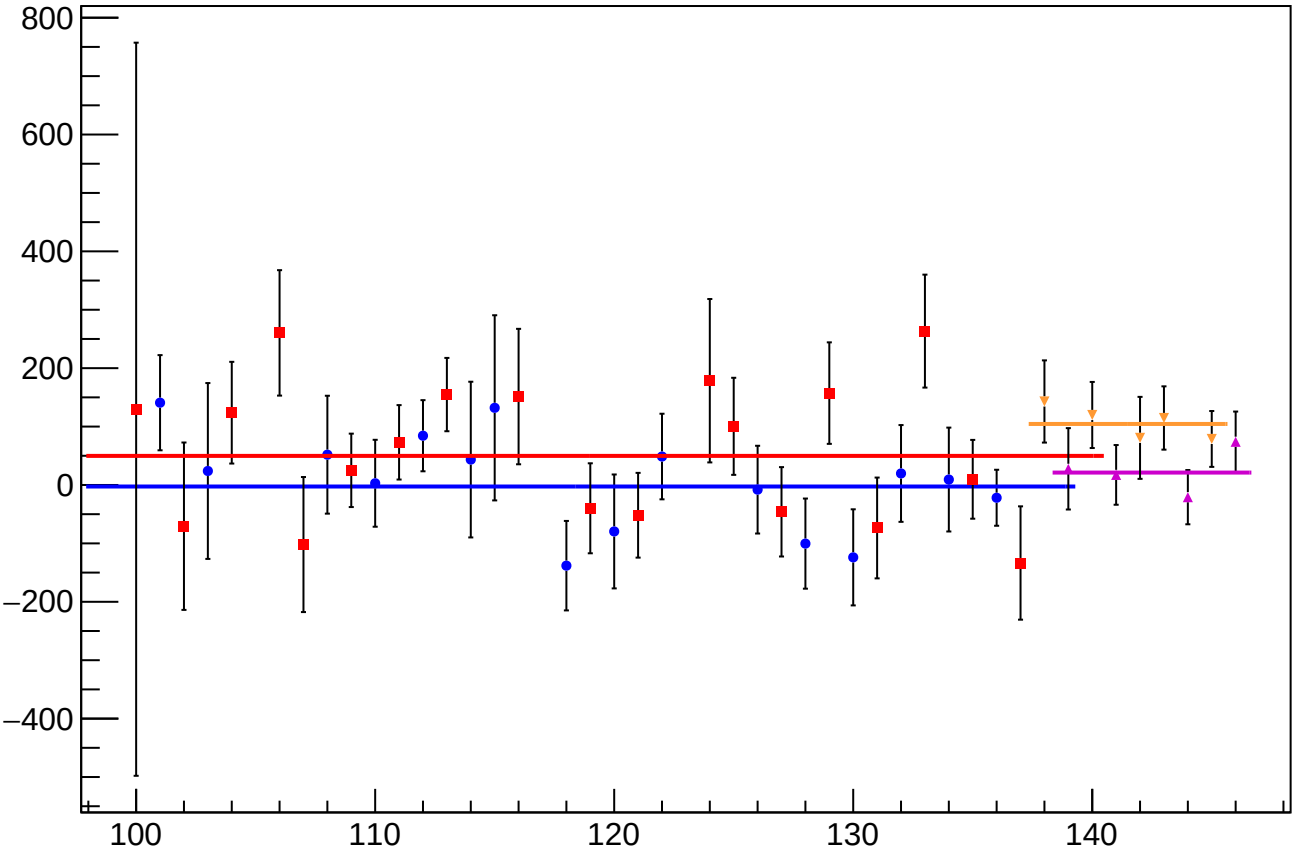
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:16.6/19

Out: 0.000+/-0.000 χ^2/NDF:17.5/23

All: 0.000+/-0.000 χ^2/NDF: 34.6/43


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:474244.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:440741.0/3
Left: 0.000+/-0.000 χ²/NDF: 924135.9/8
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5342948.0/19
Out: 0.000+/-0.000 χ²/NDF:6927113.4/23
All: 0.000+/-0.000 χ²/NDF: 12292511.6/43



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 104.477+/-25.860 χ^2/NDF:0.8/4

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 21.238+/-26.479 χ^2/NDF:1.9/3

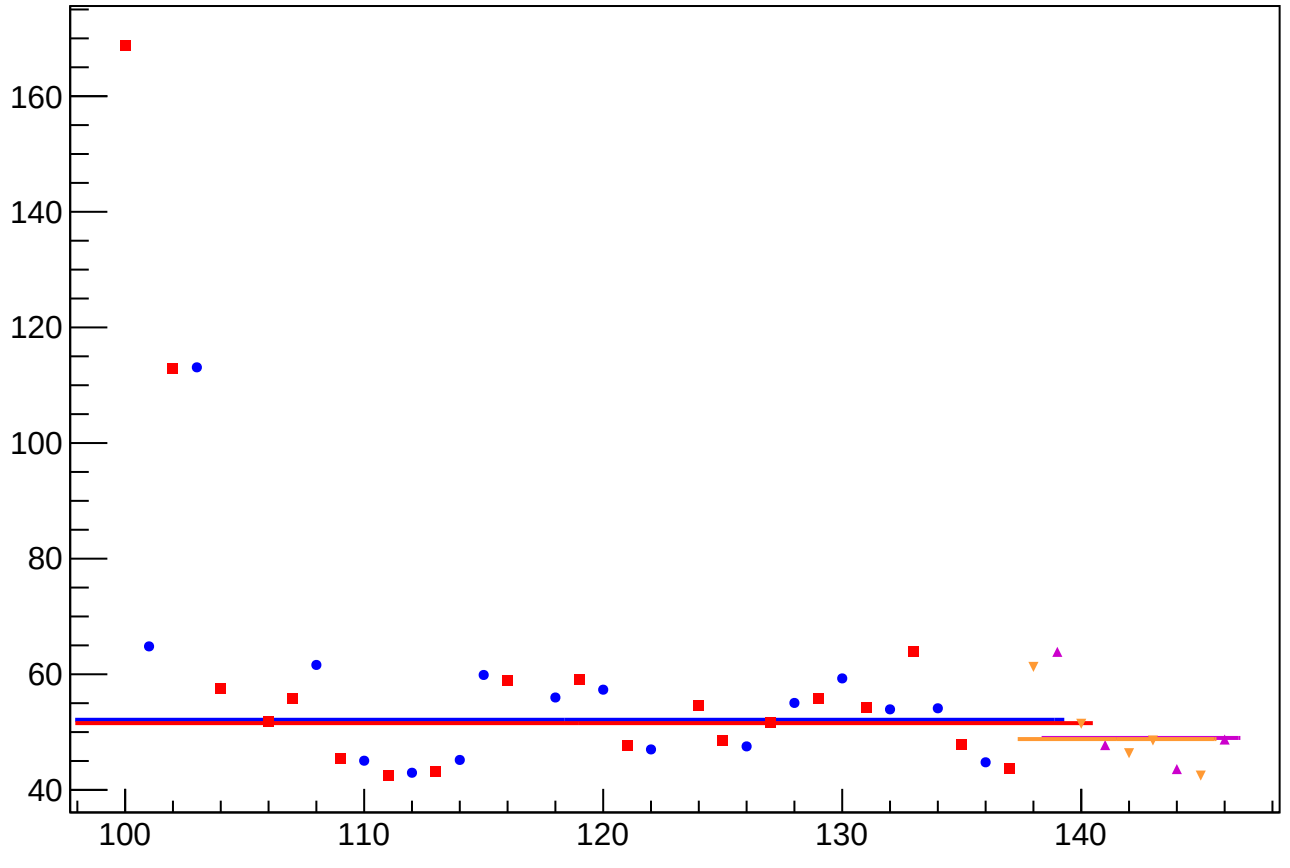
Left: 63.841+/-18.501 χ^2/NDF: 7.7/8

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 6.047+/-15.956 χ^2/NDF:17.0/19

Out: 69.783+/-15.631 χ^2/NDF:33.0/23

All: 38.571+/-11.166 χ^2/NDF: 58.1/43



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.792+/-0.018 χ^2/NDF:104690.4/4

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

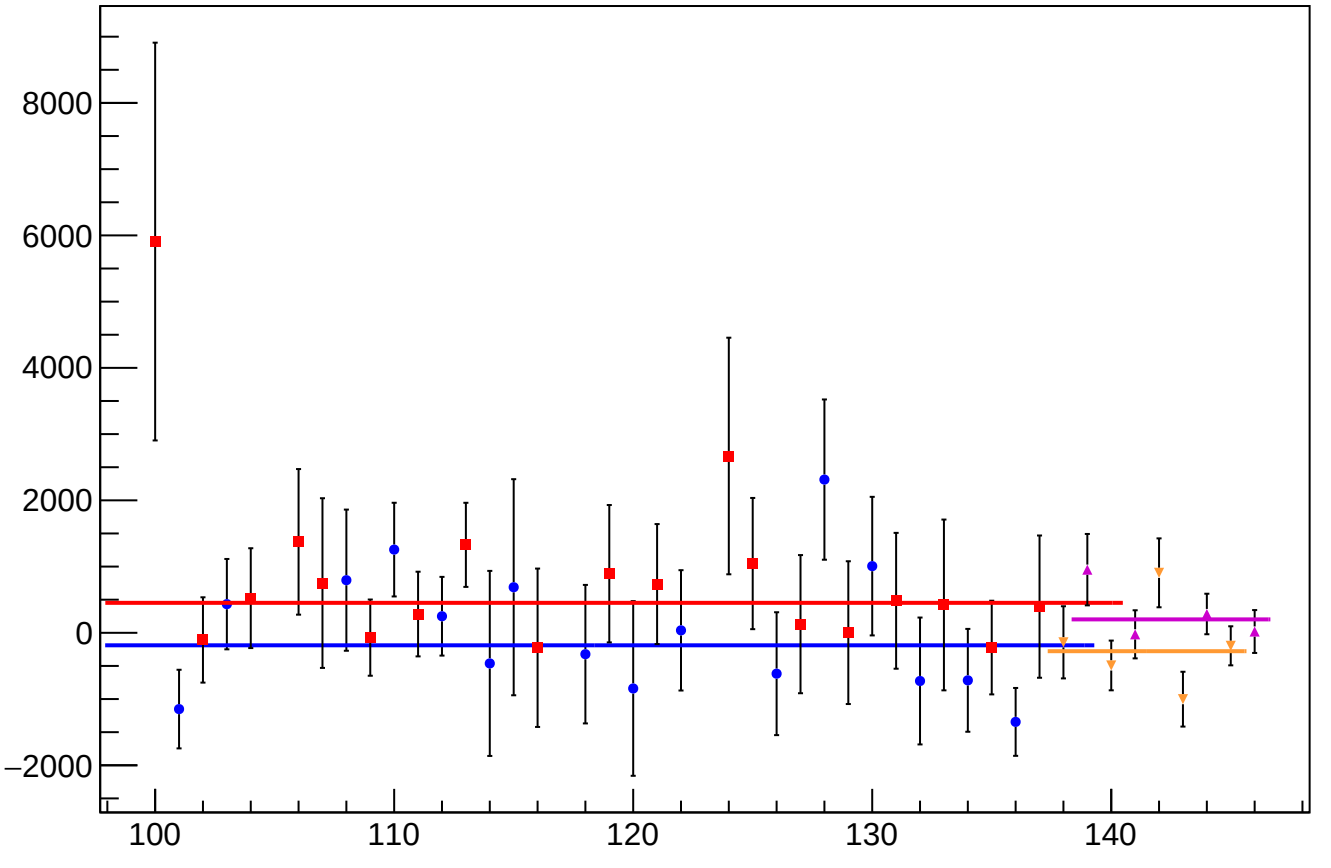
Left: 48.887+/-0.013 χ^2/NDF: 224274.8/8

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.988+/-0.011 χ^2/NDF:700380.7/19

Out: 50.542+/-0.011 χ^2/NDF:758689.2/23

All: 50.760+/-0.008 χ^2/NDF: 1459864.4/43



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -277.463+/-178.144 χ^2/NDF:8.7/4

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 202.642+/-178.844 χ^2/NDF:2.7/3

Left: -38.352+/-126.214 χ^2/NDF: 15.0/8

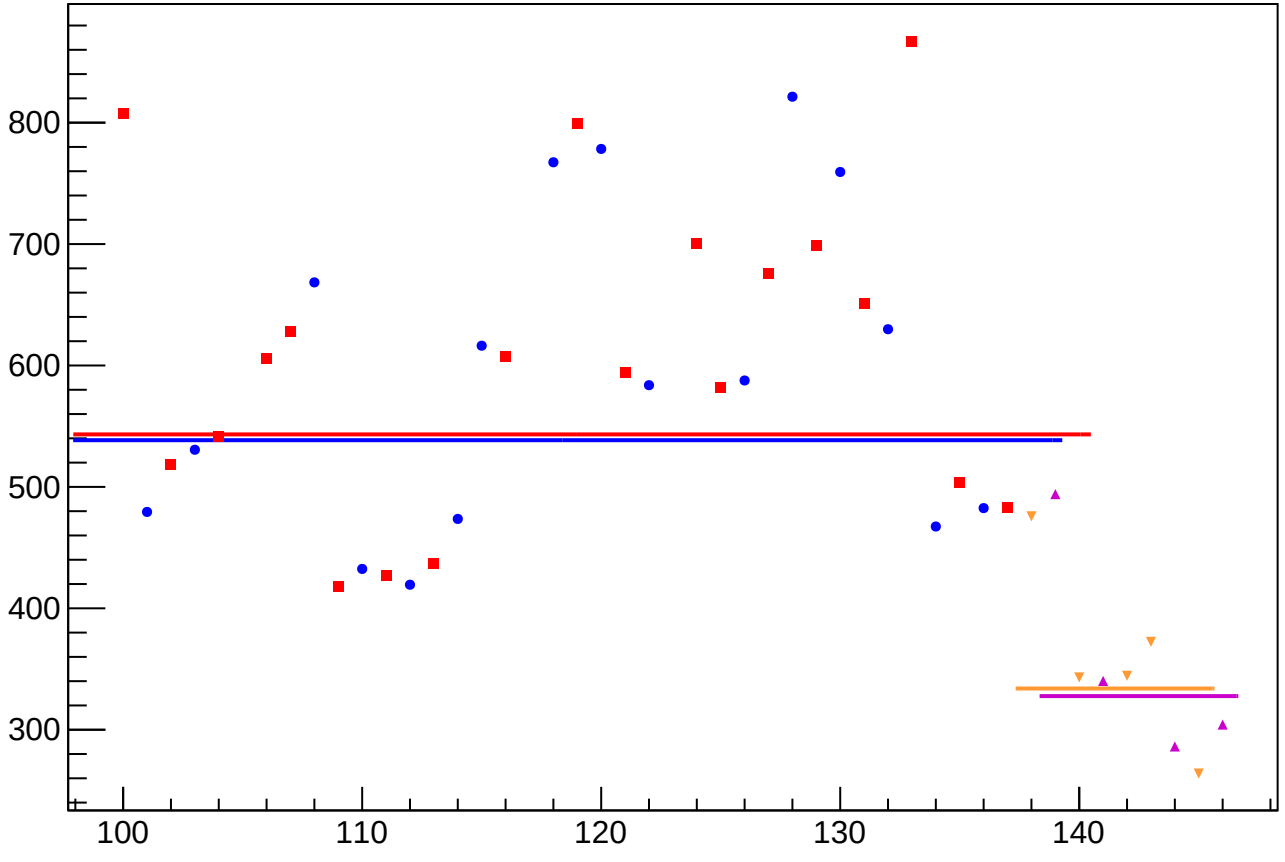
Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 34.331+/-134.996 χ^2/NDF:26.1/19

Out: 38.516+/-134.160 χ^2/NDF:27.3/23

All: 36.437+/-95.160 χ^2/NDF: 53.4/43

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 333.963+/-0.126 χ^2/NDF:267728.1/4

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 327.706+/-0.126 χ^2/NDF:240185.2/3

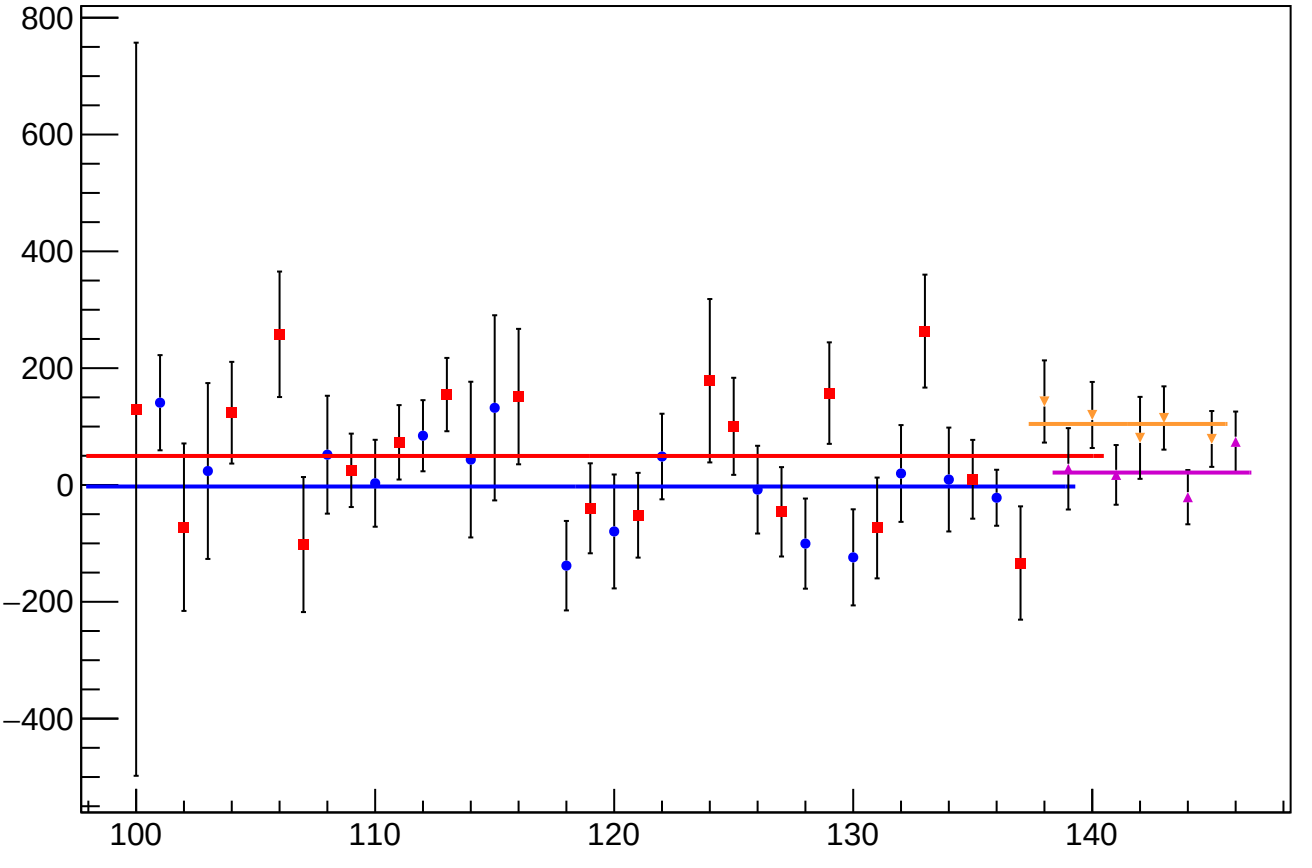
Left: 330.846+/-0.089 χ^2/NDF: 509142.1/8

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 418.383+/-0.095 χ^2/NDF:2049192.6/19

Out: 424.548+/-0.095 χ^2/NDF:2099581.9/23

All: 421.485+/-0.067 χ^2/NDF: 4150873.0/43



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 104.482+/-25.860 χ^2/NDF:0.8/4

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 21.239+/-26.479 χ^2/NDF:1.9/3

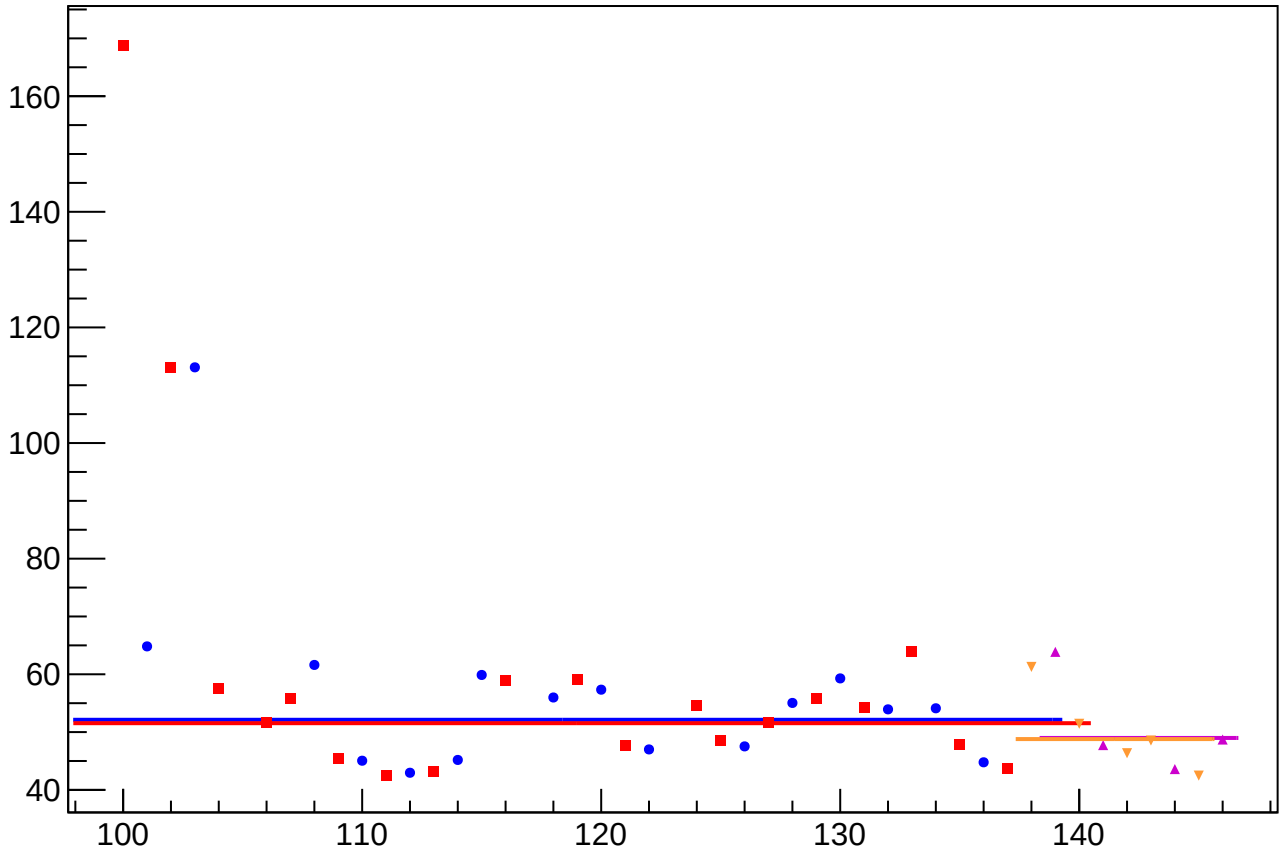
Left: 63.844+/-18.501 χ^2/NDF: 7.7/8

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 6.045+/-15.956 χ^2/NDF:17.0/19

Out: 69.711+/-15.631 χ^2/NDF:32.9/23

All: 38.533+/-11.166 χ^2/NDF: 58.0/43



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.792+/-0.018 χ^2/NDF:104690.4/4

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

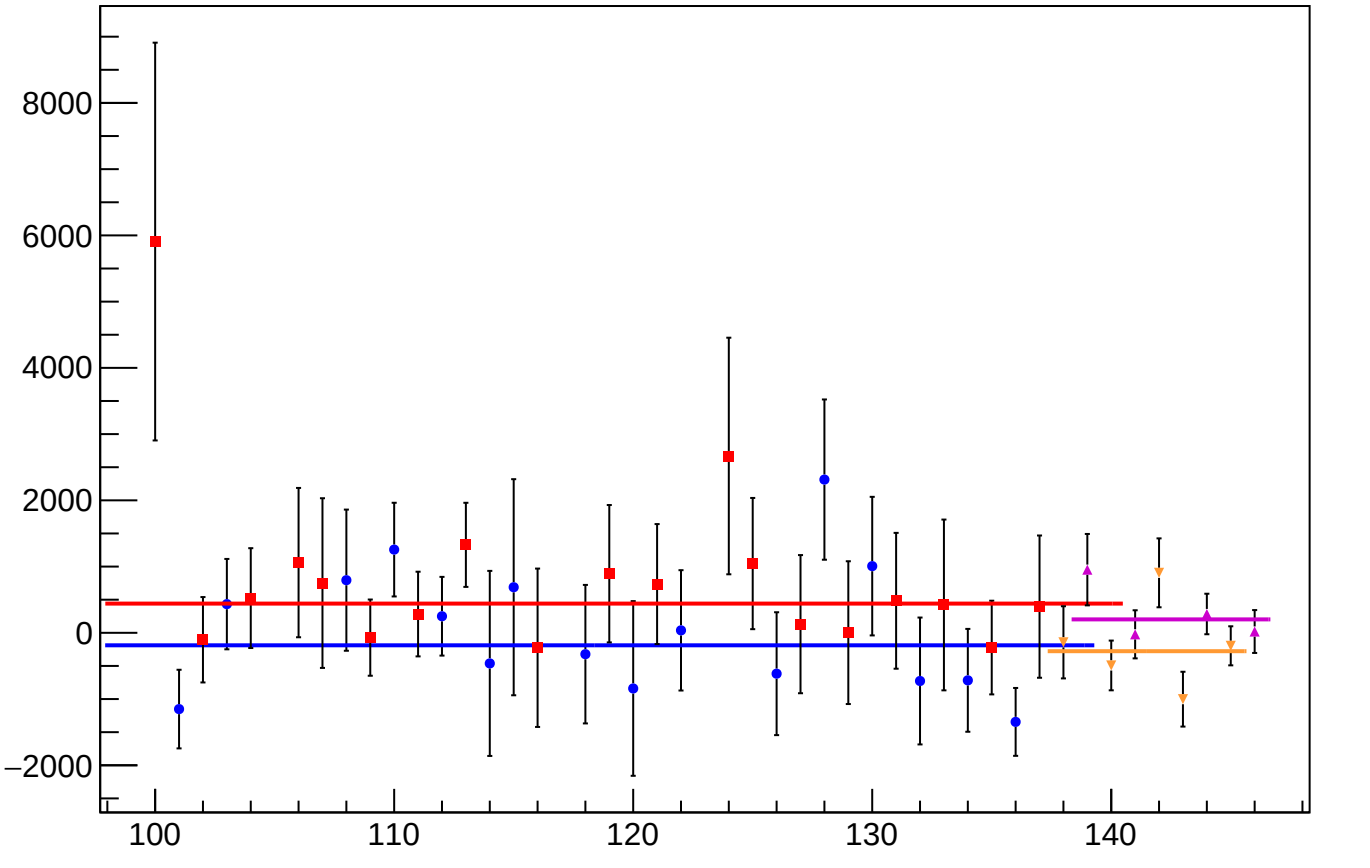
Left: 48.887+/-0.013 χ^2/NDF: 224274.8/8

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.988+/-0.011 χ^2/NDF:700383.0/19

Out: 50.536+/-0.011 χ^2/NDF:758801.1/23

All: 50.757+/-0.008 χ^2/NDF: 1460002.1/43



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -277.458+/-178.144 χ^2/NDF:8.7/4

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 202.644+/-178.844 χ^2/NDF:2.7/3

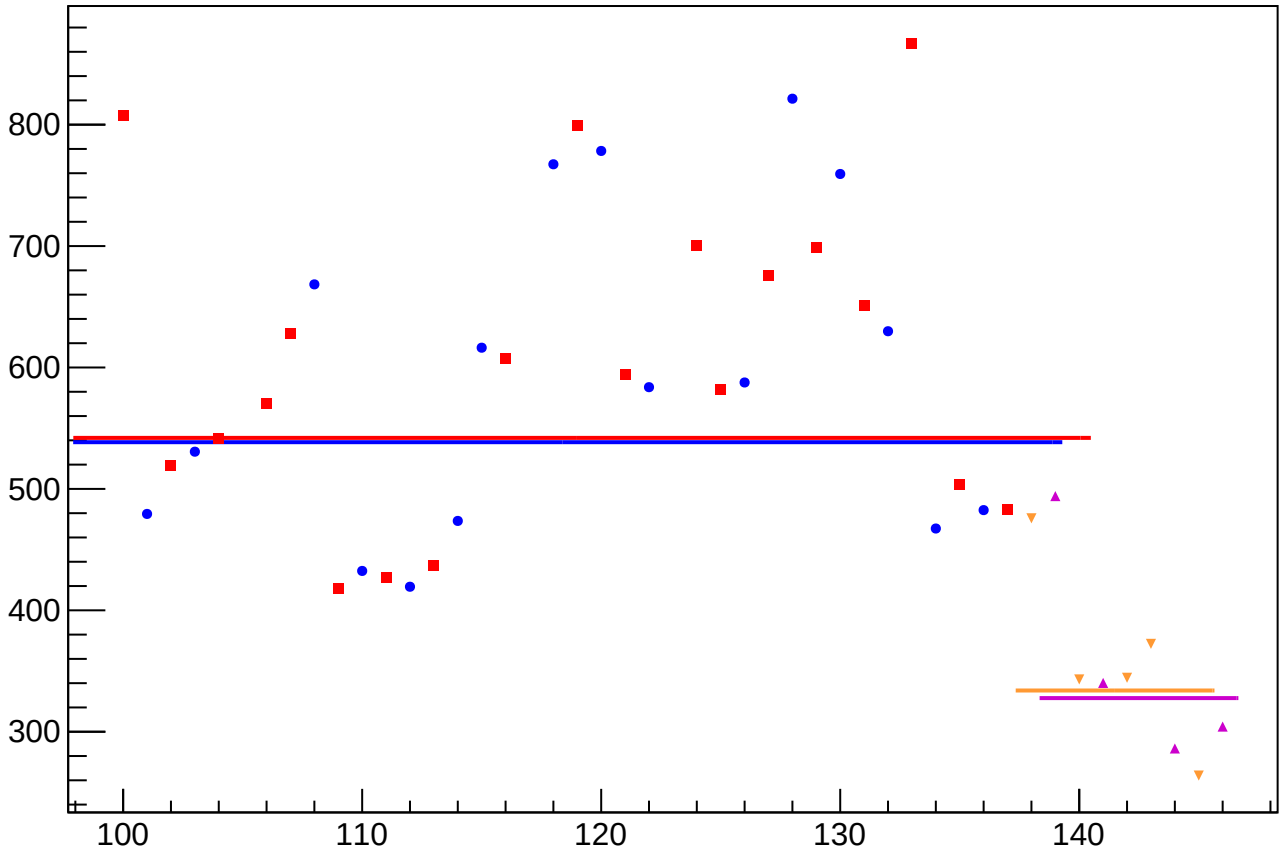
Left: -38.349+/-126.214 χ^2/NDF: 15.0/8

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 34.344+/-134.997 χ^2/NDF:26.1/19

Out: 33.263+/-134.214 χ^2/NDF:26.6/23

All: 33.800+/-95.179 χ^2/NDF: 52.8/43



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 333.962+/-0.126 χ^2/NDF:267728.1/4

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 327.706+/-0.126 χ^2/NDF:240185.1/3

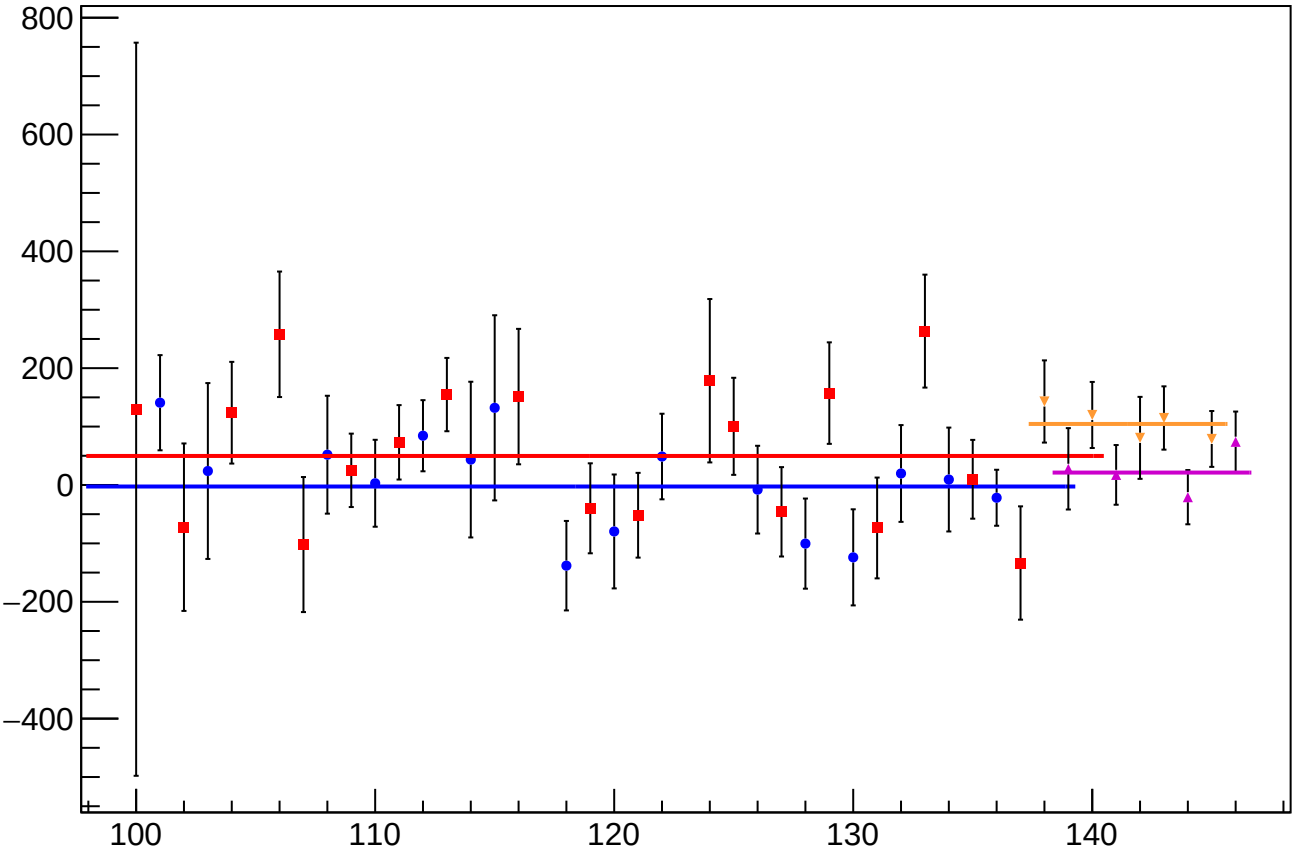
Left: 330.846+/-0.089 χ^2/NDF: 509141.9/8

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.385+/-0.095 χ^2/NDF:2049234.8/19

Out: 423.925+/-0.095 χ^2/NDF:2078916.0/23

All: 421.171+/-0.067 χ^2/NDF: 4129844.8/43



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 104.482+/-25.860 χ^2/NDF:0.8/4

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 21.239+/-26.479 χ^2/NDF:1.9/3

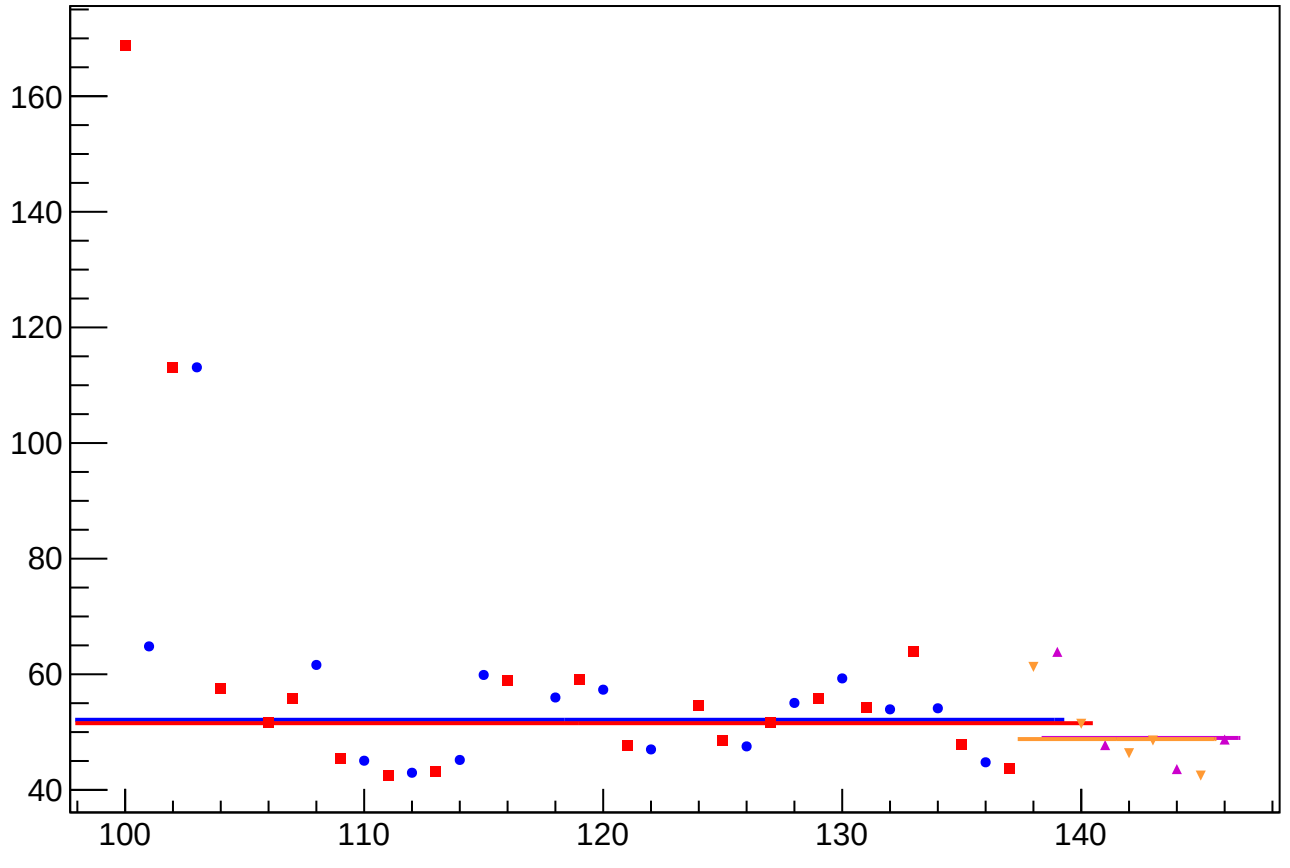
Left: 63.844+/-18.501 χ^2/NDF: 7.7/8

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 6.045+/-15.956 χ^2/NDF:17.0/19

Out: 69.711+/-15.631 χ^2/NDF:32.9/23

All: 38.533+/-11.166 χ^2/NDF: 58.0/43



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.792+/-0.018 χ^2/NDF:104690.4/4

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

Left: 48.887+/-0.013 χ^2/NDF: 224274.8/8

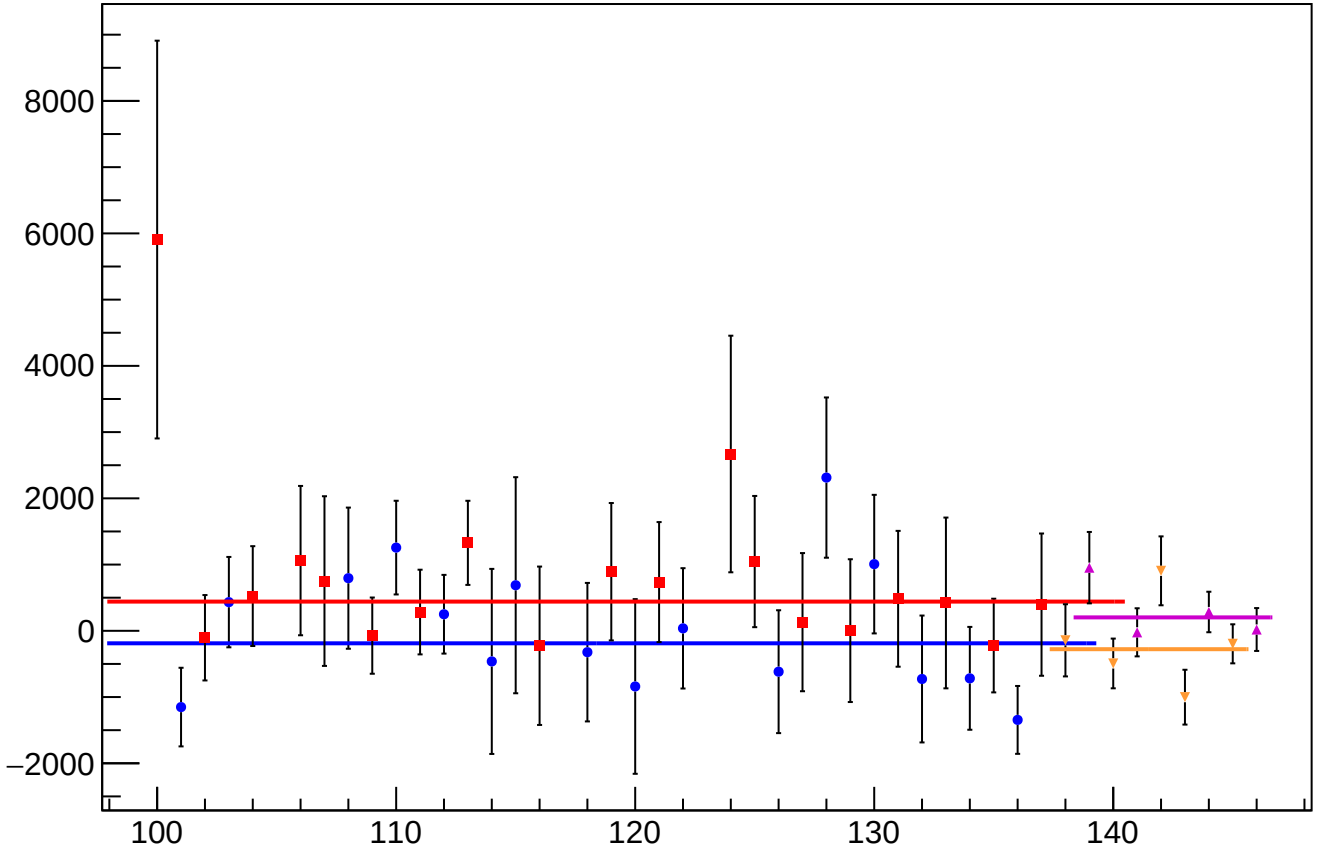
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.988+/-0.011 χ^2/NDF:700383.0/19

Out: 50.536+/-0.011 χ^2/NDF:758801.1/23

All: 50.757+/-0.008 χ^2/NDF: 1460002.1/43

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: -277.458+/-178.144 χ^2/NDF:8.7/4

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 202.644+/-178.844 χ^2/NDF:2.7/3

Left: -38.349+/-126.214 χ^2/NDF: 15.0/8

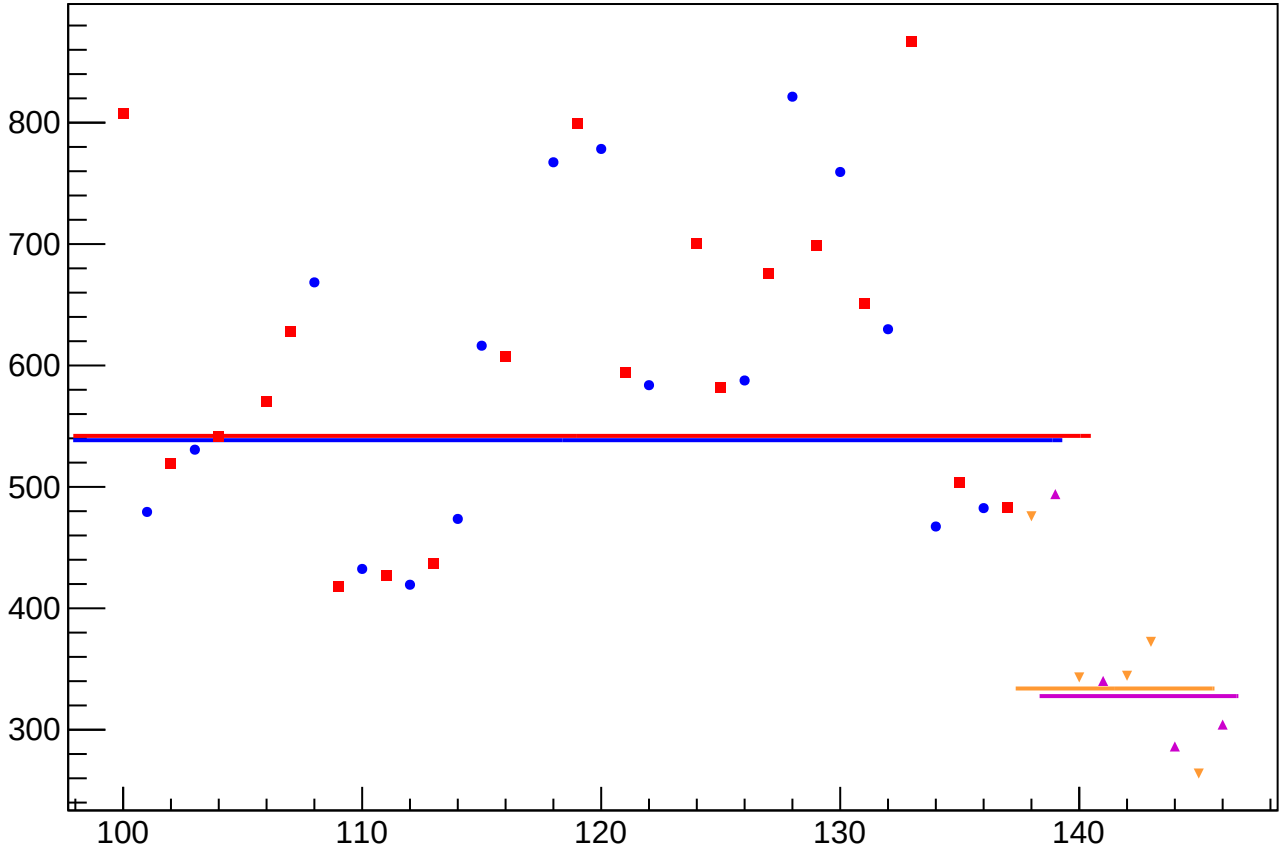
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 34.344+/-134.997 χ^2/NDF:26.1/19

Out: 33.263+/-134.214 χ^2/NDF:26.6/23

All: 33.800+/-95.179 χ^2/NDF: 52.8/43

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: 333.962+/-0.126 χ^2/NDF:267728.1/4

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 327.706+/-0.126 χ^2/NDF:240185.1/3

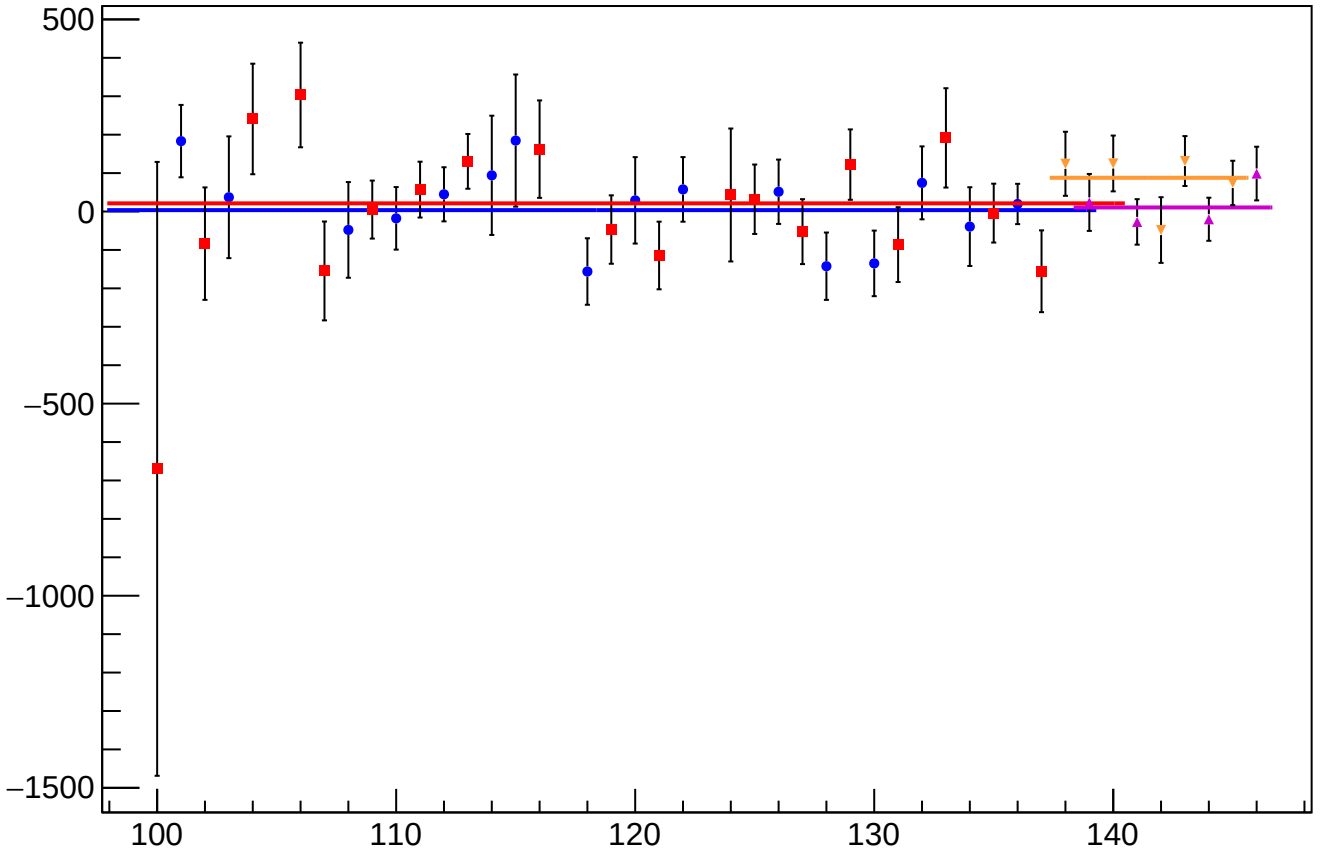
Left: 330.846+/-0.089 χ^2/NDF: 509141.9/8

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.385+/-0.095 χ^2/NDF:2049234.8/19

Out: 423.925+/-0.095 χ^2/NDF:2078916.0/23

All: 421.171+/-0.067 χ^2/NDF: 4129844.8/43



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 87.805+/-31.507 χ^2/NDF:3.5/4

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 10.558+/-31.779 χ^2/NDF:2.3/3

Left: 49.514+/-22.374 χ^2/NDF: 8.8/8

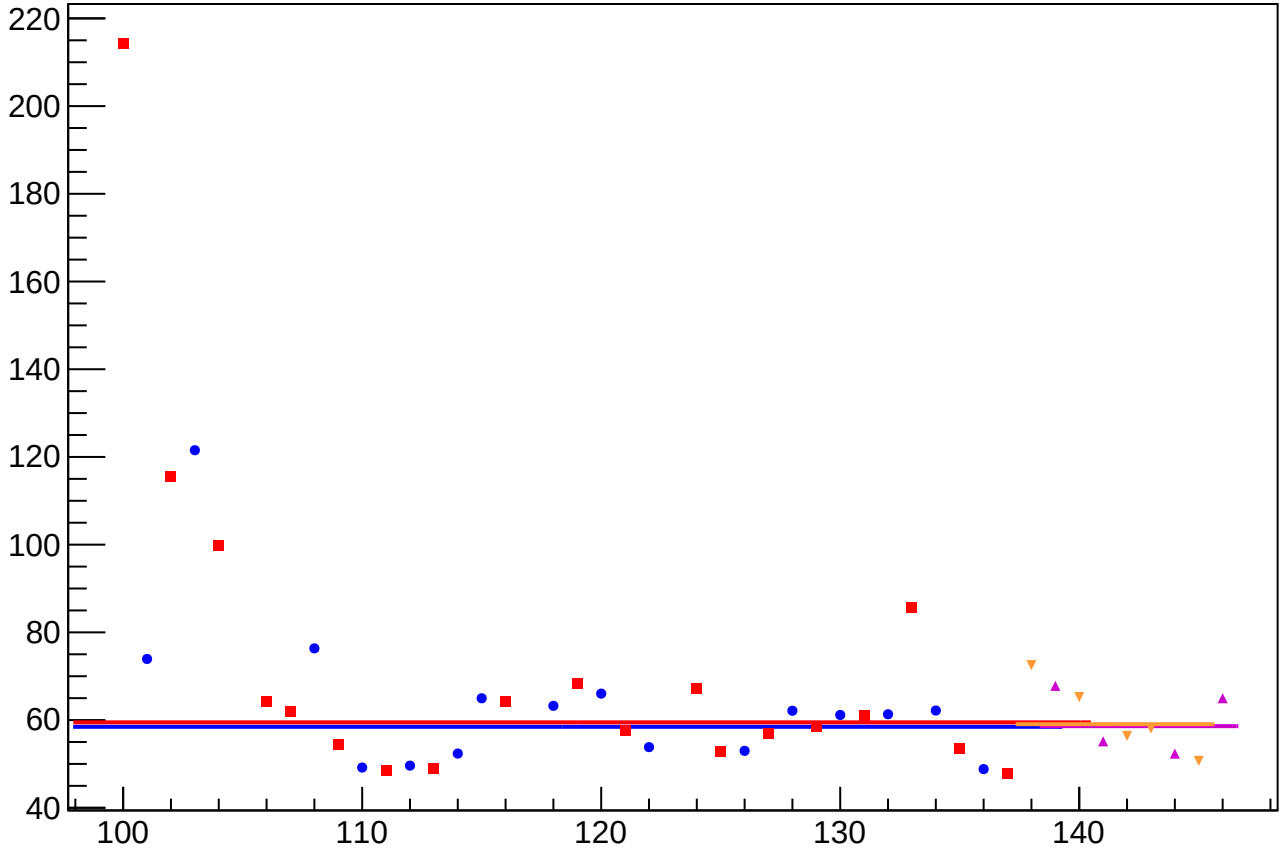
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 5.919+/-18.352 χ^2/NDF:18.5/19

Out: 44.085+/-18.454 χ^2/NDF:30.8/23

All: 24.897+/-13.013 χ^2/NDF: 51.5/43

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 59.063+/-0.022 χ^2/NDF:110996.1/4

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 58.616+/-0.022 χ^2/NDF:79187.8/3

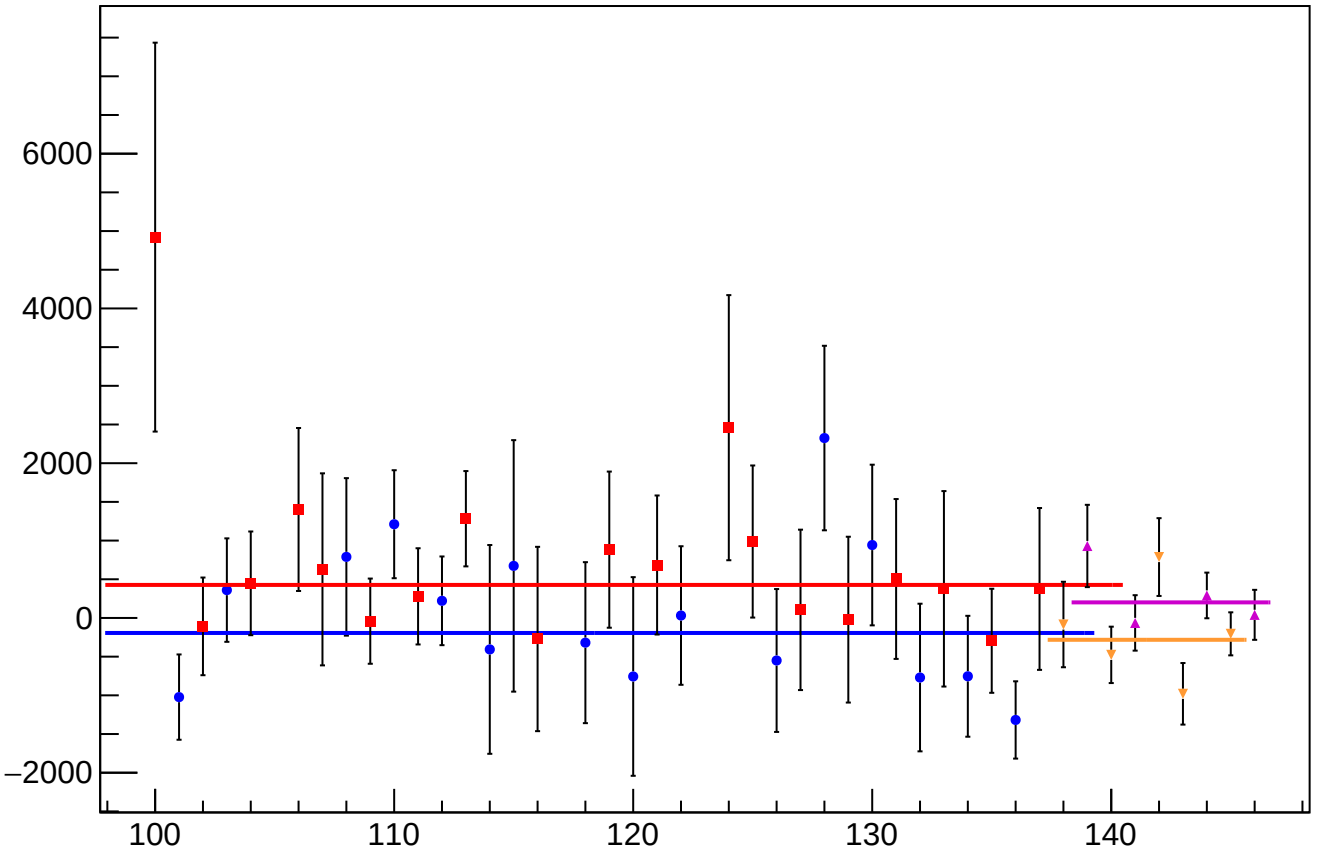
Left: 58.841+/-0.016 χ^2/NDF: 190383.8/8

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.515+/-0.013 χ^2/NDF:662201.9/19

Out: 59.340+/-0.013 χ^2/NDF:896110.8/23

All: 58.925+/-0.009 χ^2/NDF: 1560317.8/43



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -282.252+/-171.447 χ^2/NDF:8.1/4

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 201.261+/-175.681 χ^2/NDF:2.8/3

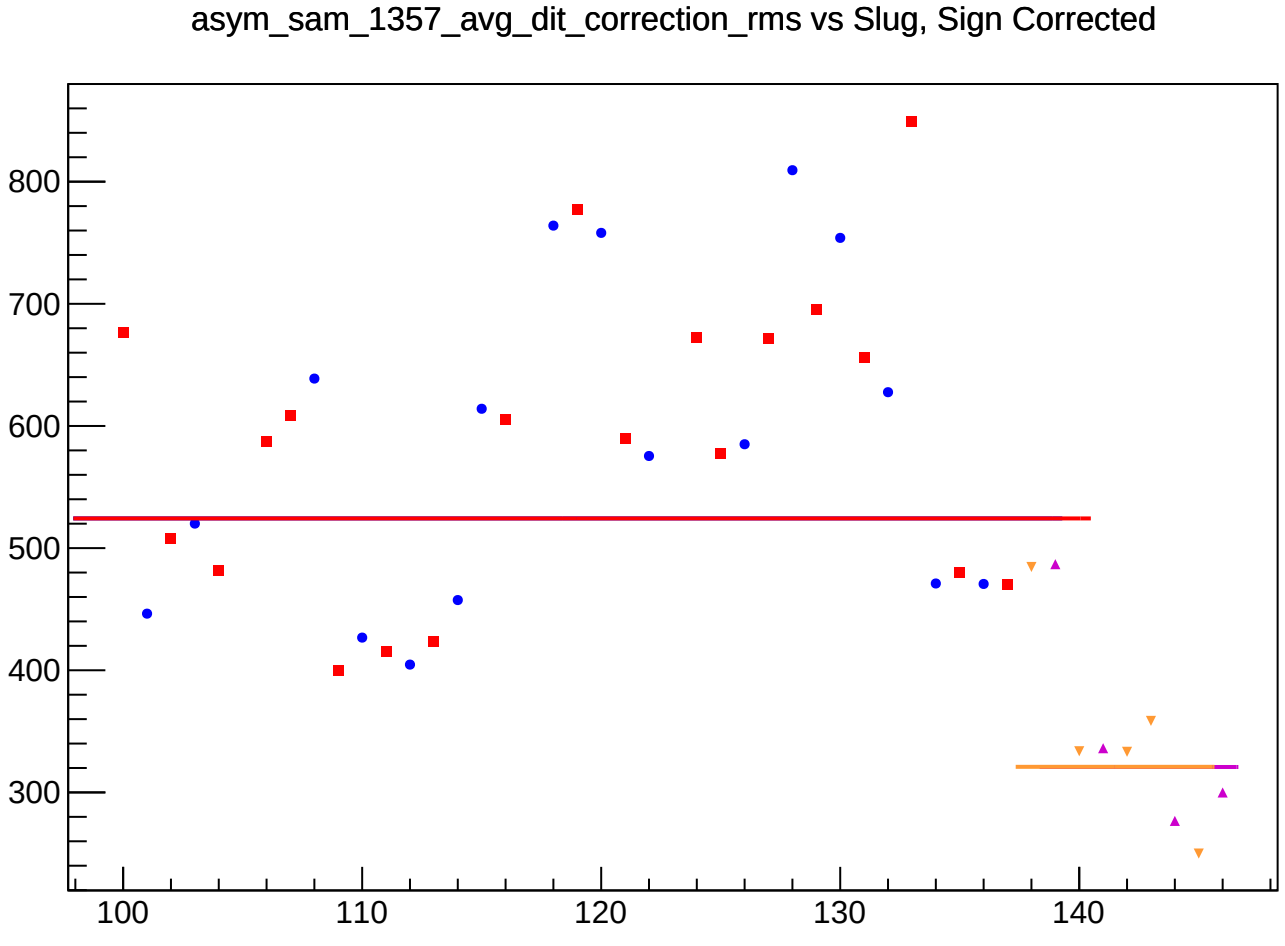
Left: -46.392+/-122.701 χ^2/NDF: 14.7/8

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 29.740+/-132.163 χ^2/NDF:25.8/19

Out: 23.402+/-129.330 χ^2/NDF:26.8/23

All: 26.502+/-92.436 χ^2/NDF: 52.5/43



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 320.954+/-0.121 χ^2/NDF:327433.3/4

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 320.820+/-0.124 χ^2/NDF:251770.9/3

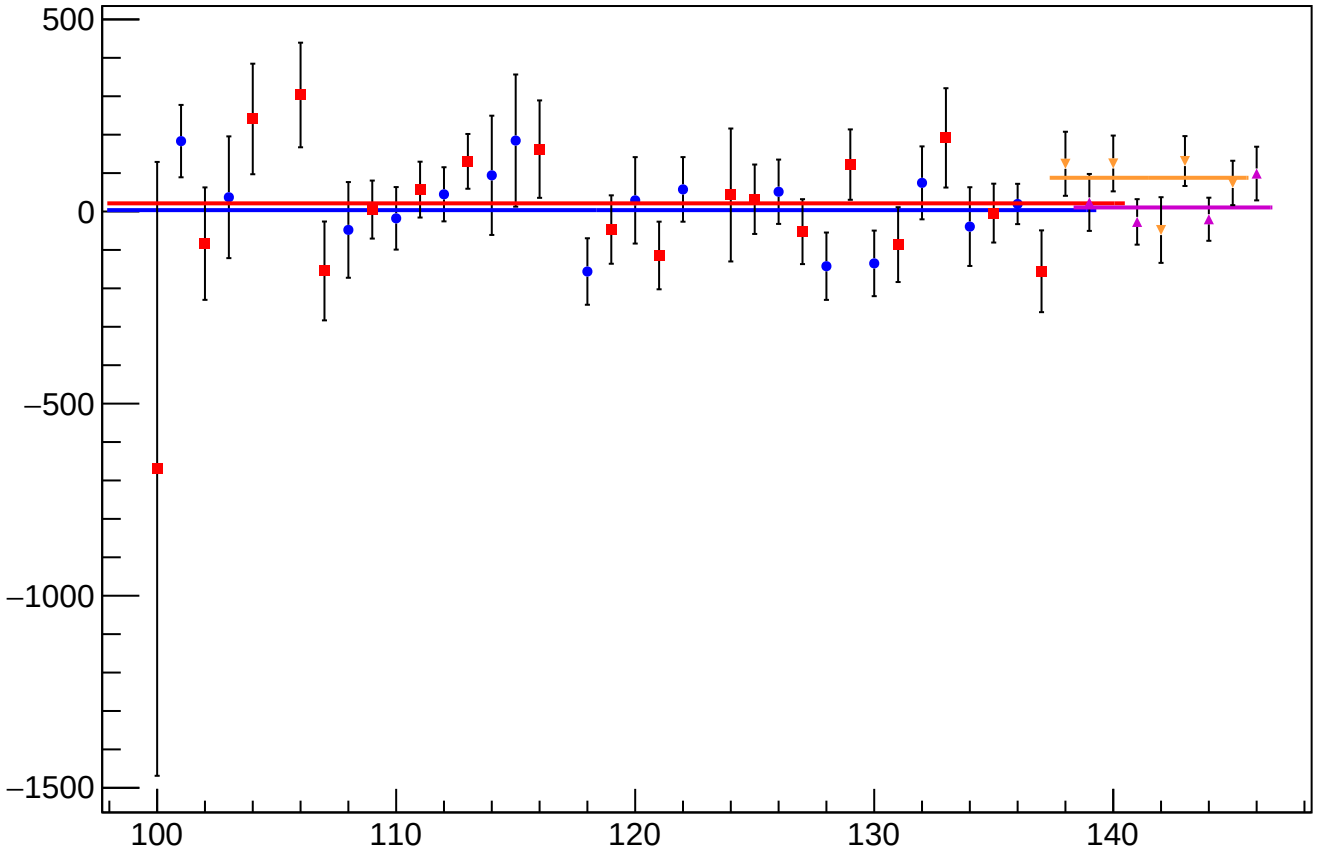
Left: 320.889+/-0.087 χ^2/NDF: 579204.8/8

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 409.153+/-0.093 χ^2/NDF:2075144.4/19

Out: 408.592+/-0.091 χ^2/NDF:2226079.7/23

All: 408.866+/-0.065 χ^2/NDF: 4301242.5/43



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 87.804+/-31.507 χ^2/NDF:3.5/4

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 10.559+/-31.779 χ^2/NDF:2.3/3

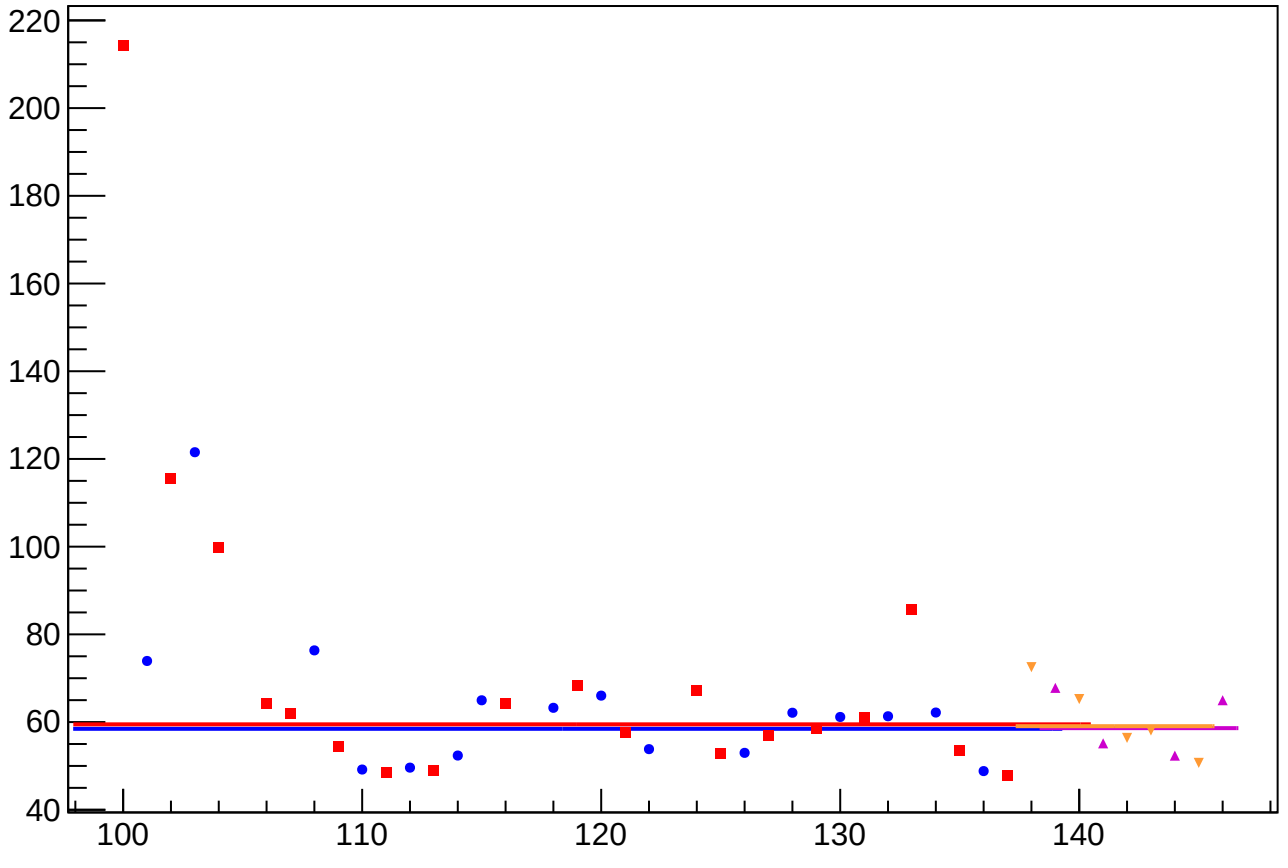
Left: 49.514+/-22.374 χ^2/NDF: 8.8/8

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 5.919+/-18.352 χ^2/NDF:18.5/19

Out: 44.084+/-18.454 χ^2/NDF:30.8/23

All: 24.896+/-13.013 χ^2/NDF: 51.5/43



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 59.063+/-0.022 χ^2/NDF:110995.7/4

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 58.616+/-0.022 χ^2/NDF:79186.8/3

Left: 58.842+/-0.016 χ^2/NDF: 190382.5/8

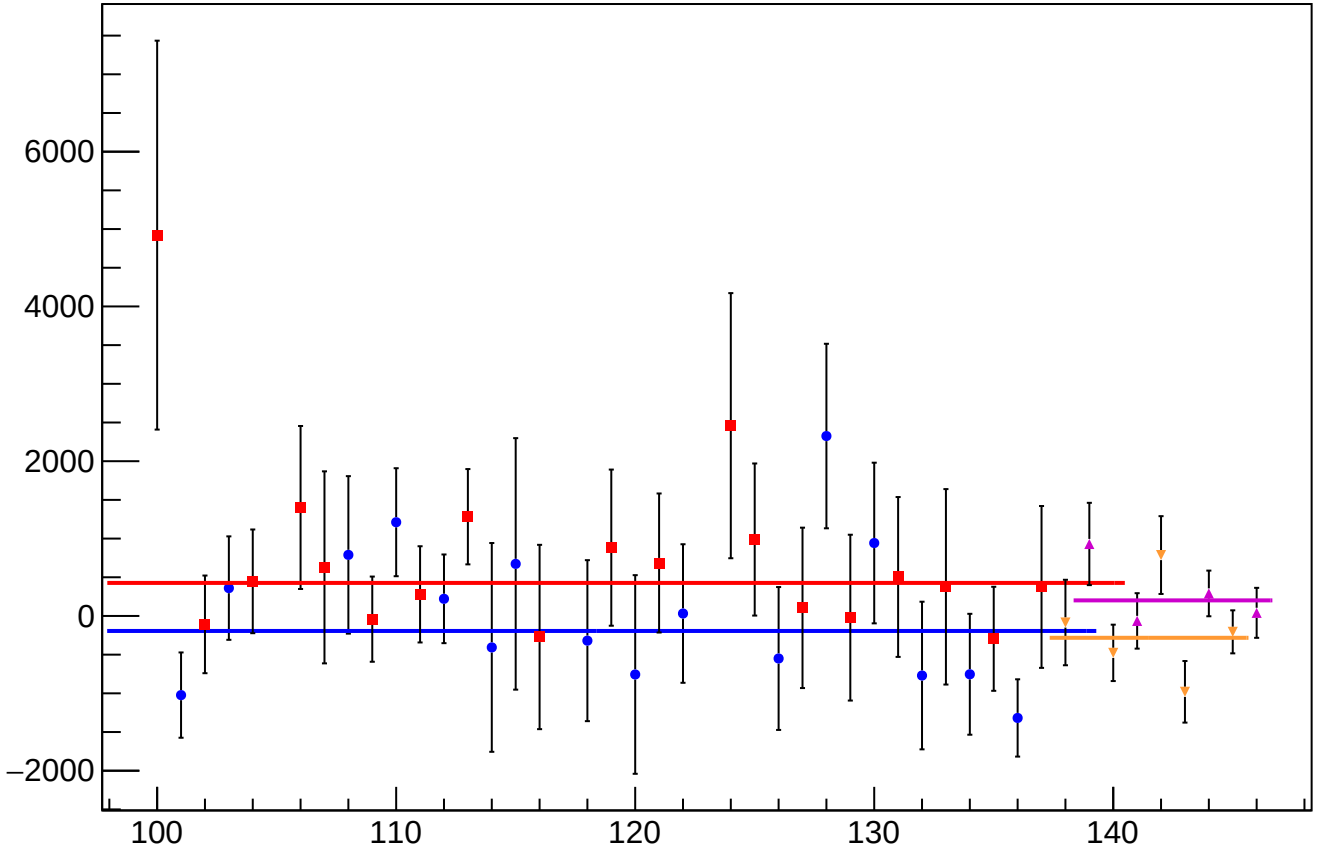
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.516+/-0.013 χ^2/NDF:662197.3/19

Out: 59.340+/-0.013 χ^2/NDF:896110.3/23

All: 58.925+/-0.009 χ^2/NDF: 1560313.0/43

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: -282.253+/-171.447 χ^2/NDF:8.1/4

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 201.262+/-175.681 χ^2/NDF:2.8/3

Left: -46.392+/-122.701 χ^2/NDF: 14.7/8

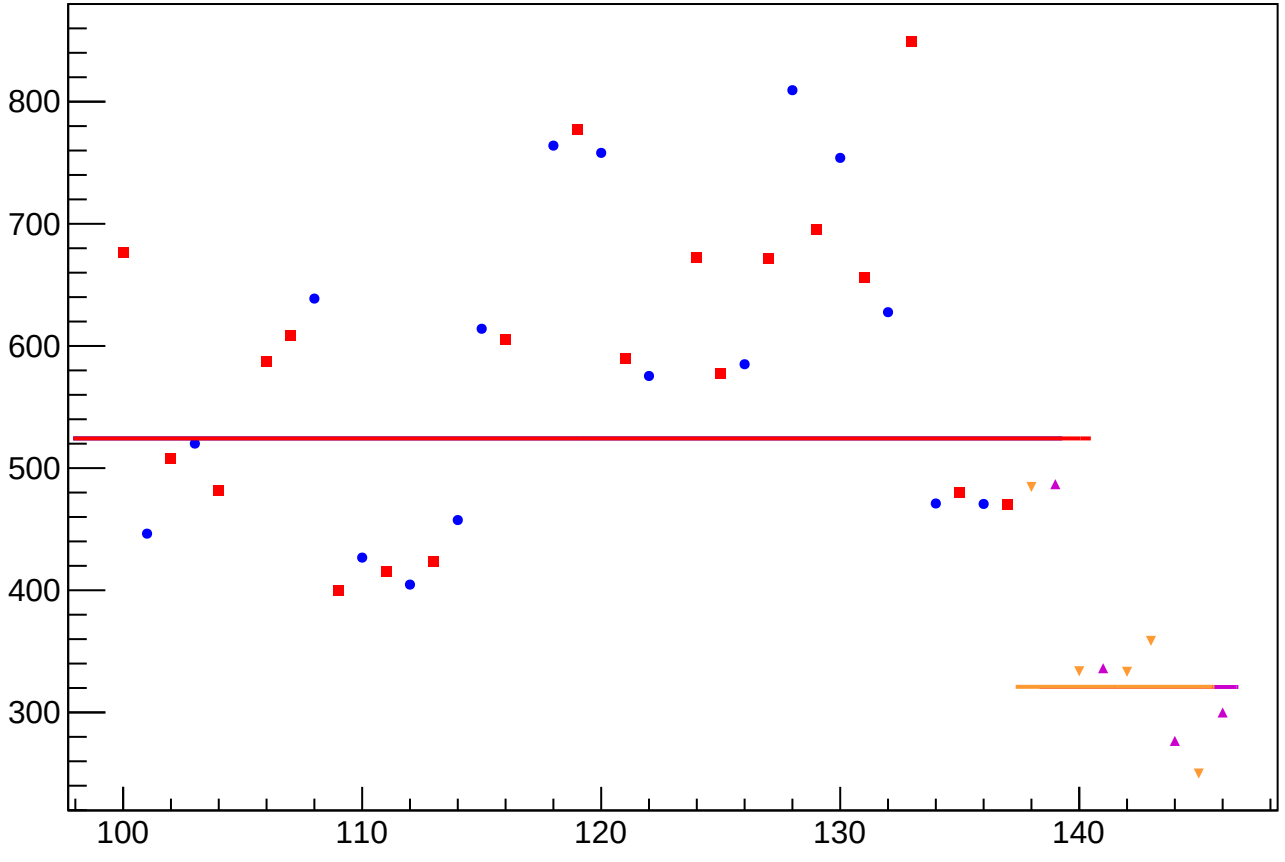
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 29.740+/-132.163 χ^2/NDF:25.8/19

Out: 23.401+/-129.330 χ^2/NDF:26.8/23

All: 26.502+/-92.435 χ^2/NDF: 52.5/43

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: 320.954+/-0.121 χ^2/NDF:327434.0/4

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 320.820+/-0.124 χ^2/NDF:251771.8/3

Left: 320.888+/-0.087 χ^2/NDF: 579206.3/8

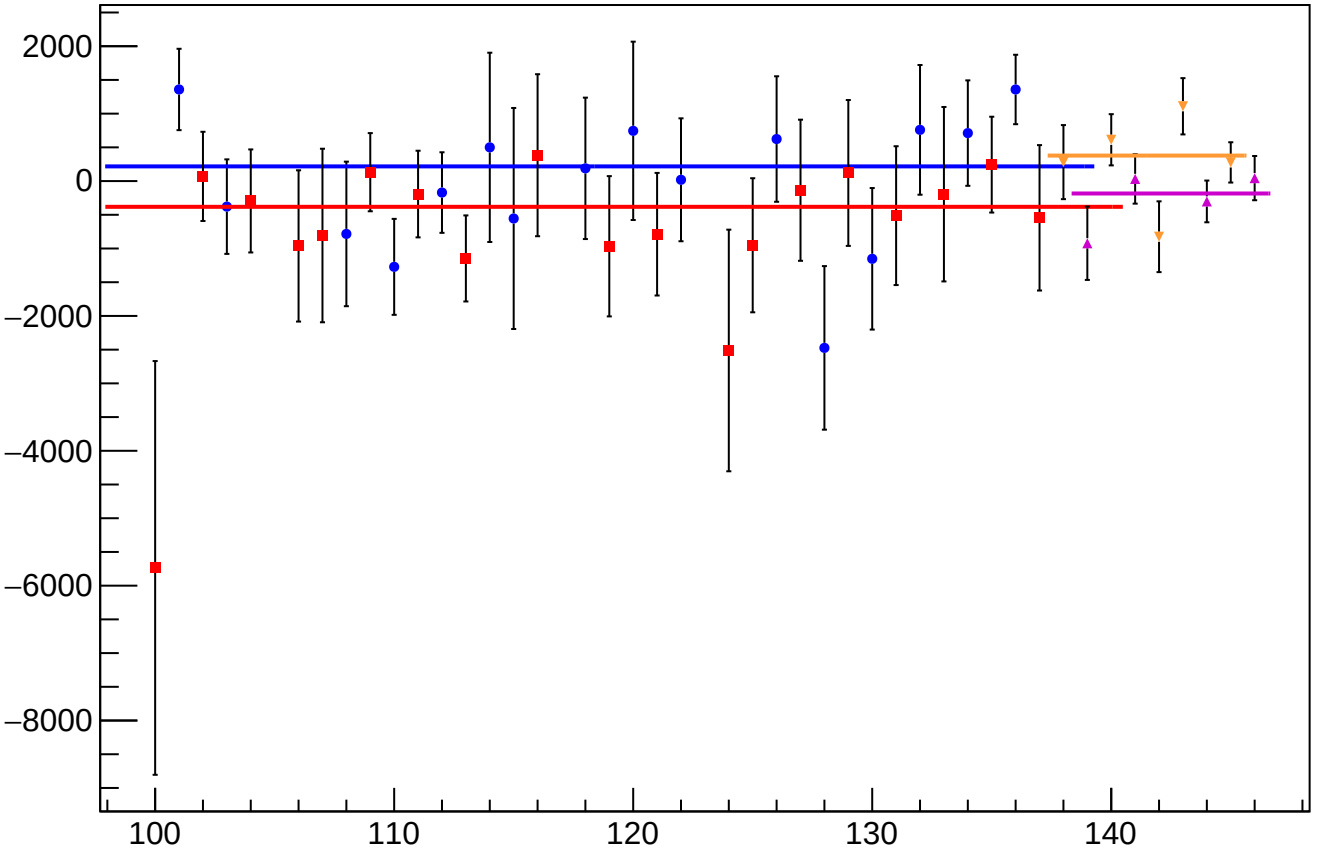
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 409.153+/-0.093 χ^2/NDF:2075141.3/19

Out: 408.592+/-0.091 χ^2/NDF:2226074.7/23

All: 408.866+/-0.065 χ^2/NDF: 4301234.4/43

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 378.073+/-180.123 χ^2/NDF:8.9/4

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -184.105+/-180.903 χ^2/NDF:2.8/3

Left: 98.199+/-127.641 χ^2/NDF: 16.5/8

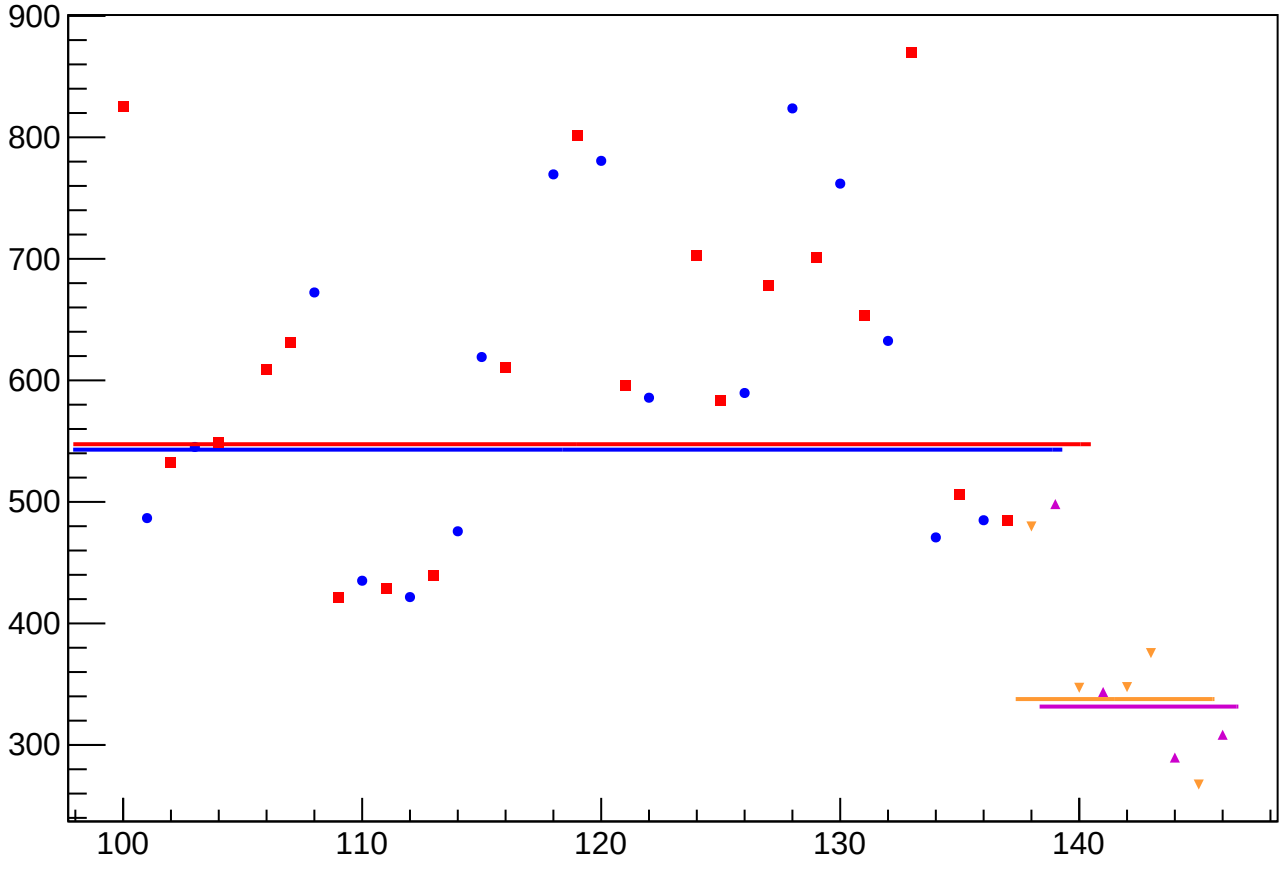
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -10.557+/-136.356 χ^2/NDF:27.8/19

Out: 48.065+/-135.479 χ^2/NDF:26.6/23

All: 18.943+/-96.107 χ^2/NDF: 54.5/43

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 337.767+/-0.127 χ^2/NDF:262849.3/4

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 331.588+/-0.128 χ^2/NDF:236830.3/3

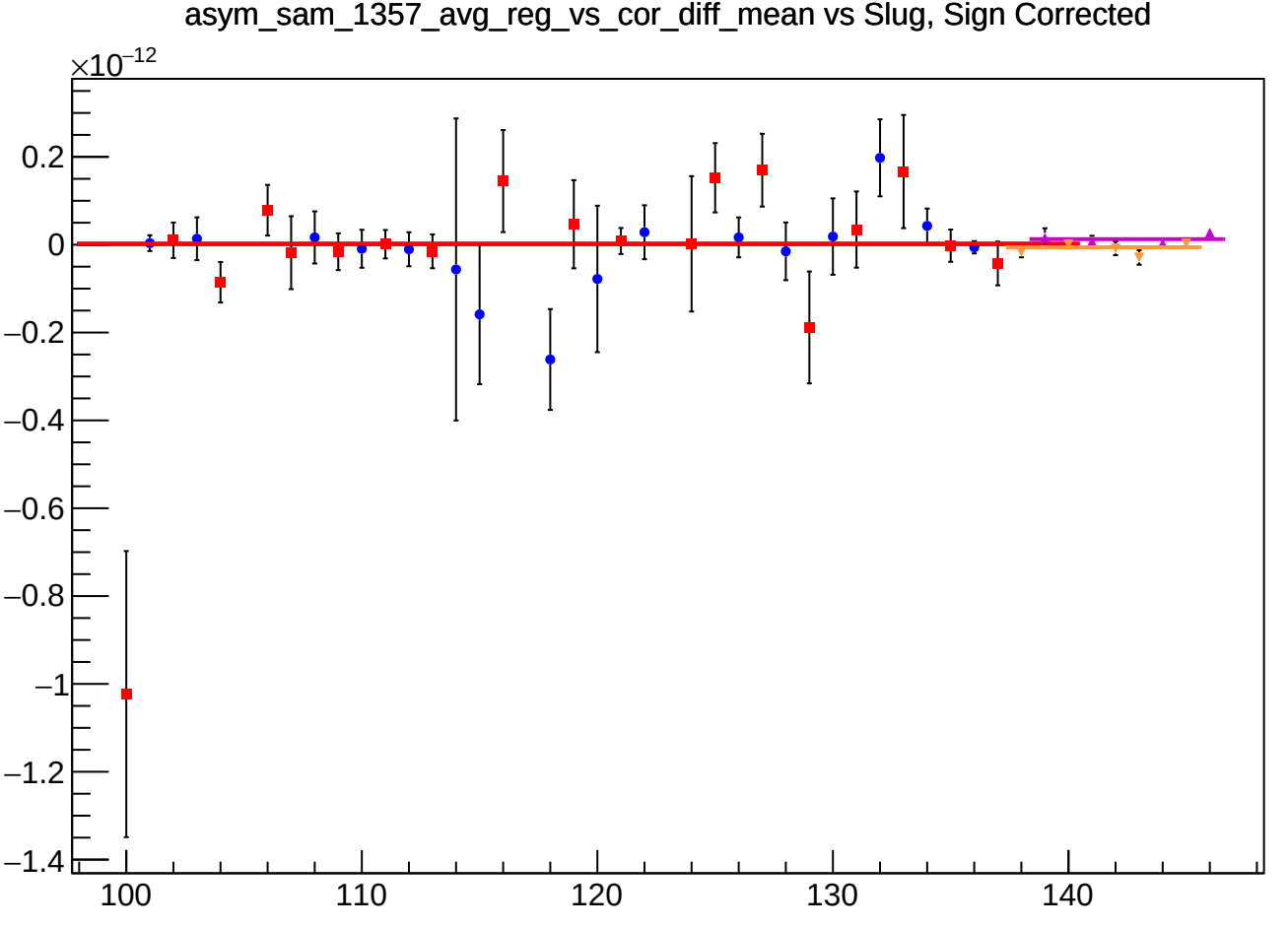
Left: 334.691+/-0.090 χ^2/NDF: 500851.4/8

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 422.887+/-0.096 χ^2/NDF:2021674.4/19

Out: 428.833+/-0.096 χ^2/NDF:2070307.7/23

All: 425.879+/-0.068 χ^2/NDF: 4093895.6/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/3

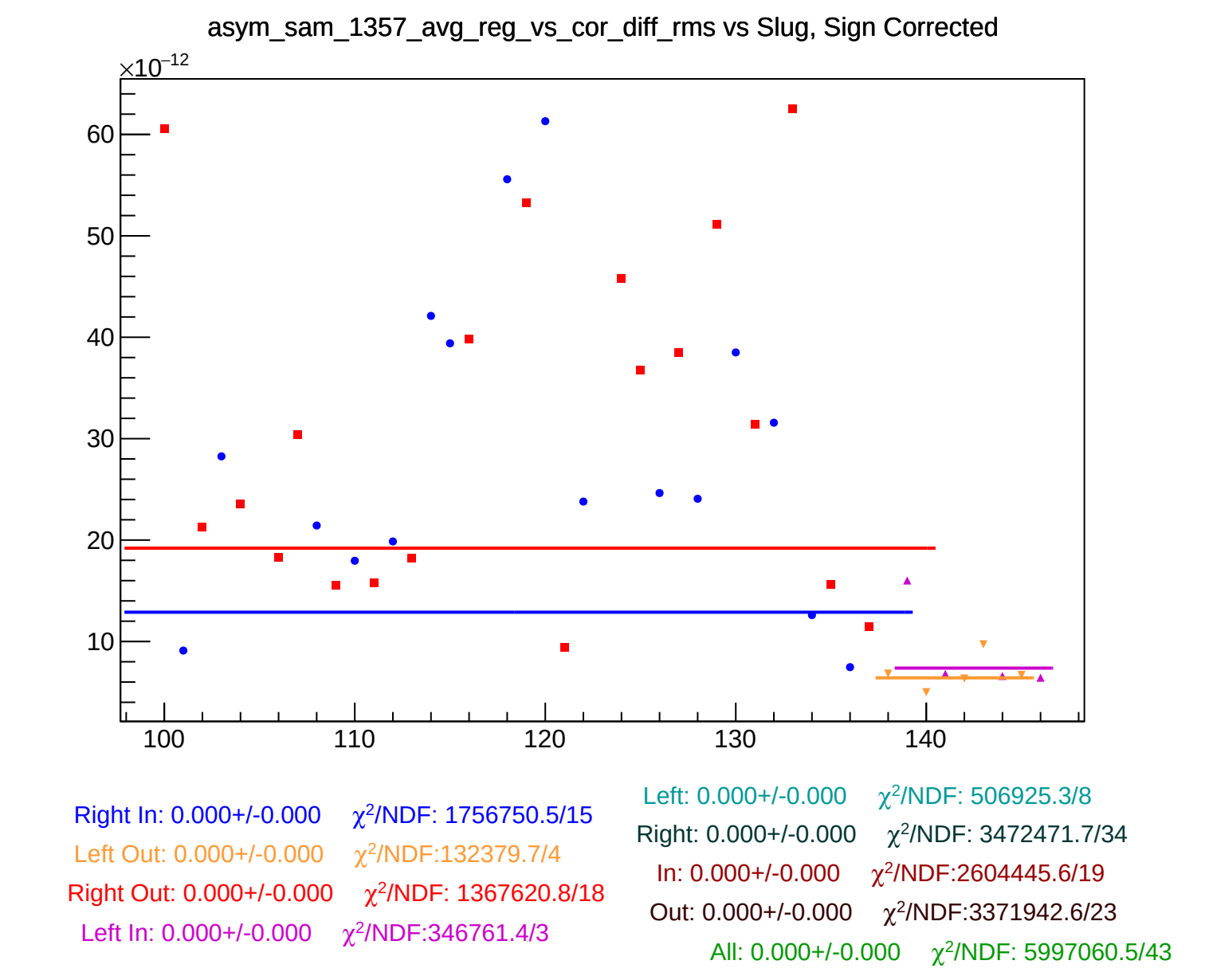
Left: 0.000+/-0.000 χ^2/NDF: 11.9/8

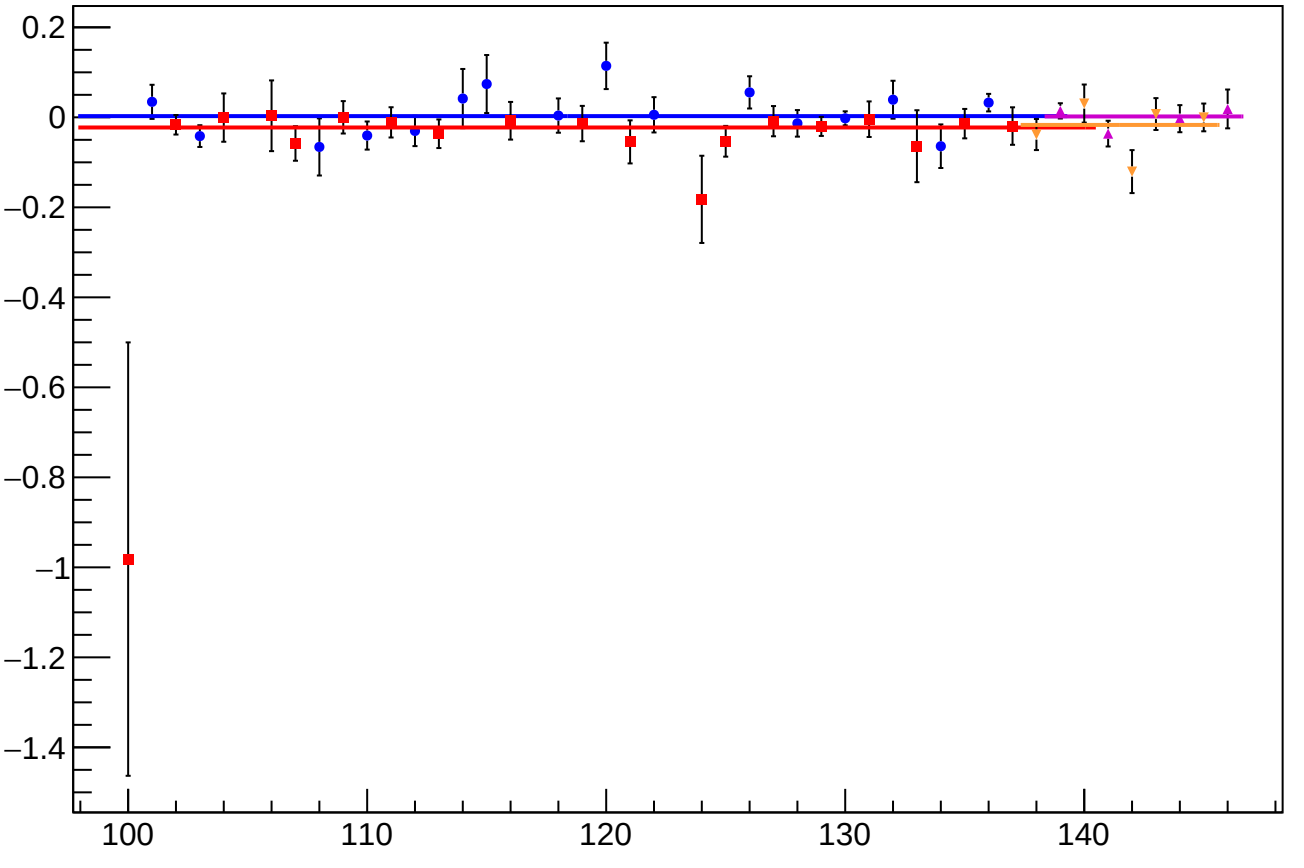
Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:17.4/19

Out: -0.000+/-0.000 χ^2/NDF:34.4/23

All: 0.000+/-0.000 χ^2/NDF: 55.6/43


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:132379.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:346761.4/3
Left: 0.000+/-0.000 χ²/NDF: 506925.3/8
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:2604445.6/19
Out: 0.000+/-0.000 χ²/NDF:3371942.6/23
All: 0.000+/-0.000 χ²/NDF: 5997060.5/43



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.017+/-0.016 χ^2/NDF:7.1/4

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.002+/-0.013 χ^2/NDF:2.5/3

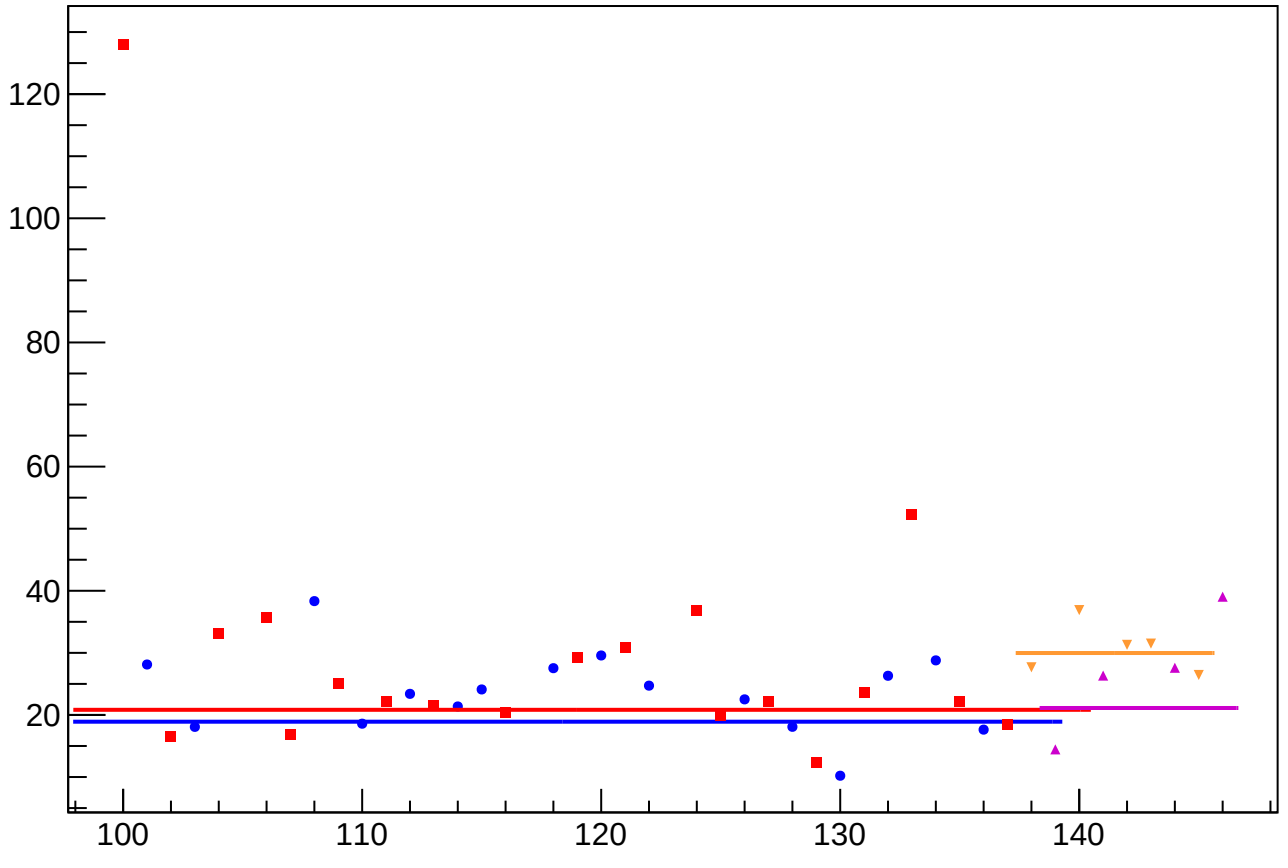
Left: -0.005+/-0.010 χ^2/NDF: 10.4/8

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.4/19

Out: -0.021+/-0.008 χ^2/NDF:18.0/23

All: -0.008+/-0.005 χ^2/NDF: 48.1/43



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 29.975+/-0.012 χ^2/NDF:93810.6/4

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.119+/-0.009 χ^2/NDF:813757.6/3

Left: 24.375+/-0.007 χ^2/NDF: 1273217.4/8

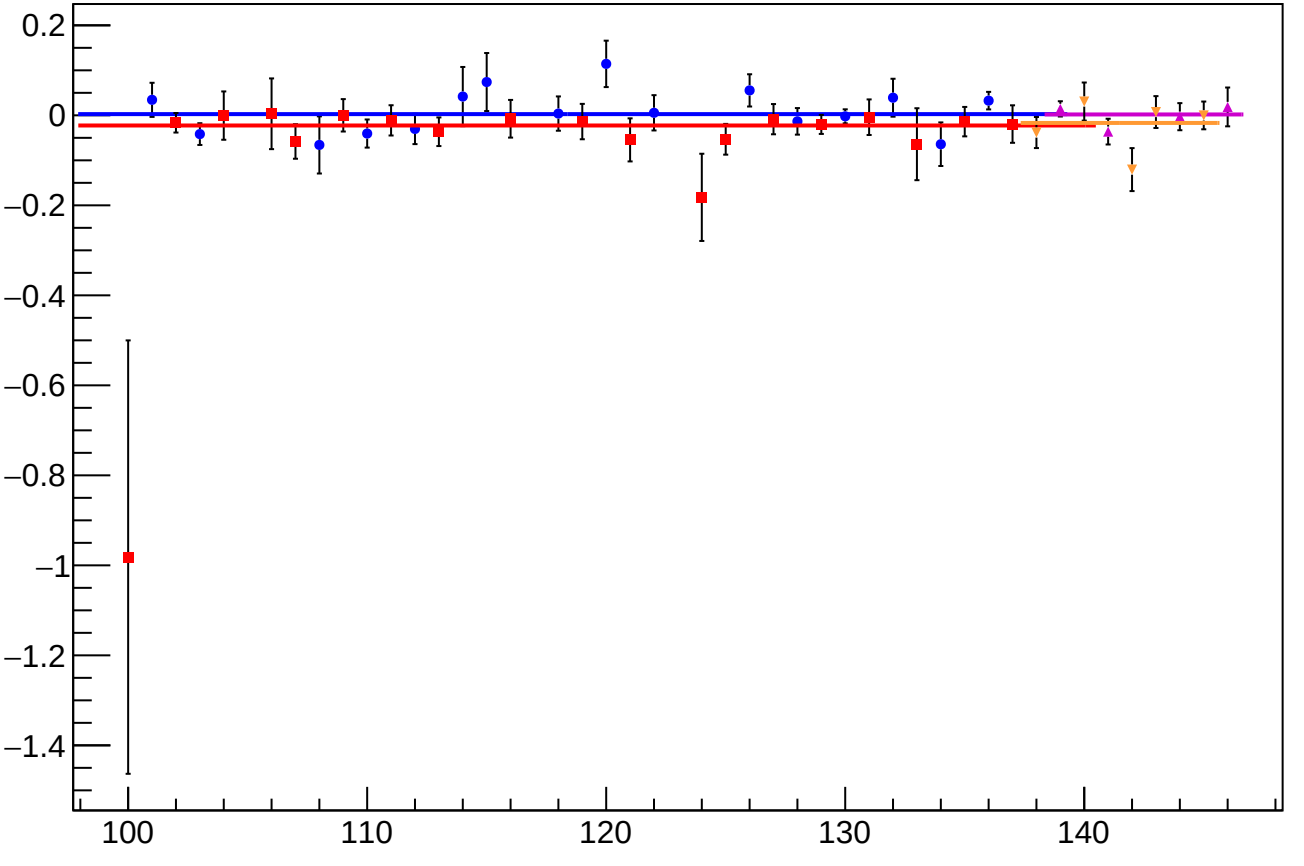
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.526+/-0.005 χ^2/NDF:2248707.2/19

Out: 22.733+/-0.005 χ^2/NDF:1873867.4/23

All: 20.929+/-0.004 χ^2/NDF: 4327223.4/43

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: -0.017+/-0.016 χ^2/NDF:7.1/4

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.002+/-0.013 χ^2/NDF:2.5/3

Left: -0.005+/-0.010 χ^2/NDF: 10.4/8

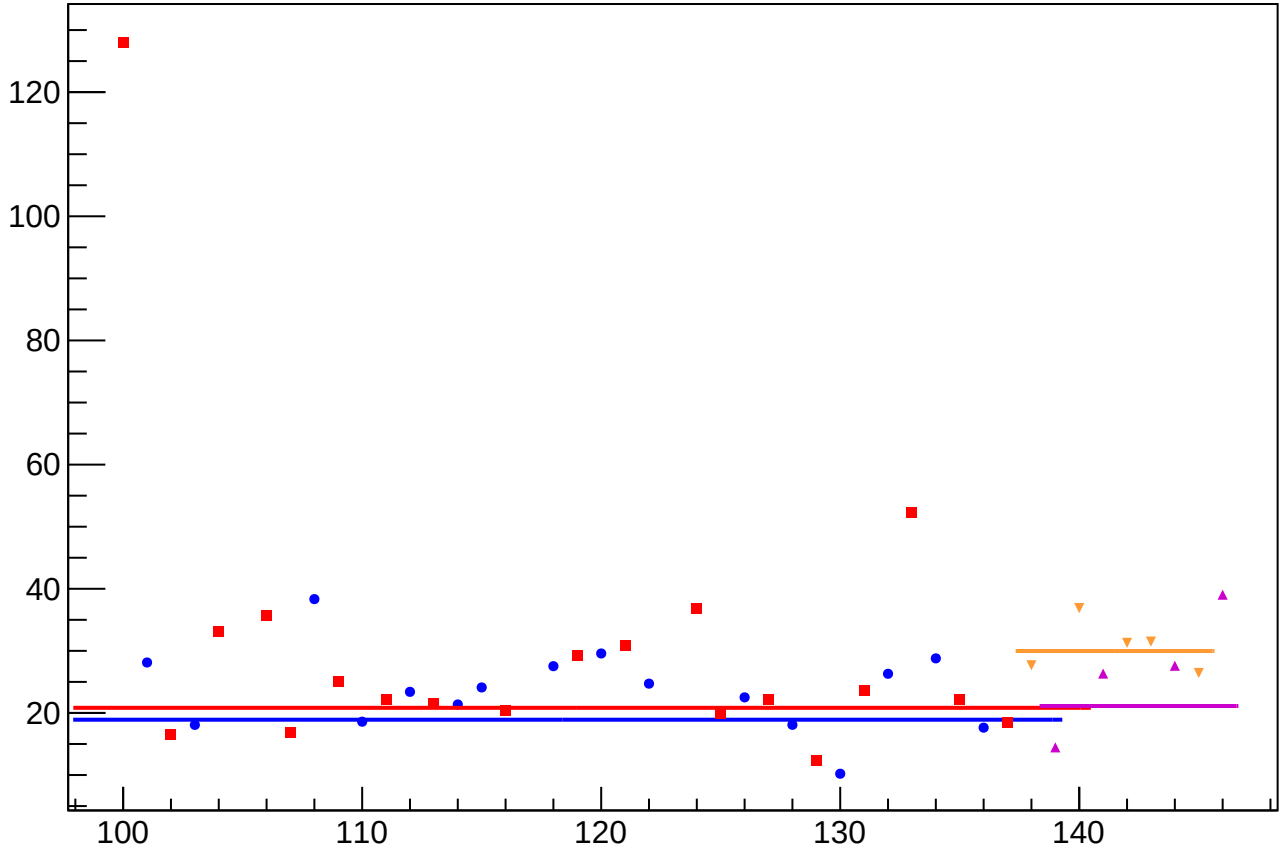
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.4/19

Out: -0.021+/-0.008 χ^2/NDF:18.0/23

All: -0.008+/-0.005 χ^2/NDF: 48.1/43

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: 29.975+/-0.012 χ^2/NDF:93810.6/4

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.119+/-0.009 χ^2/NDF:813757.6/3

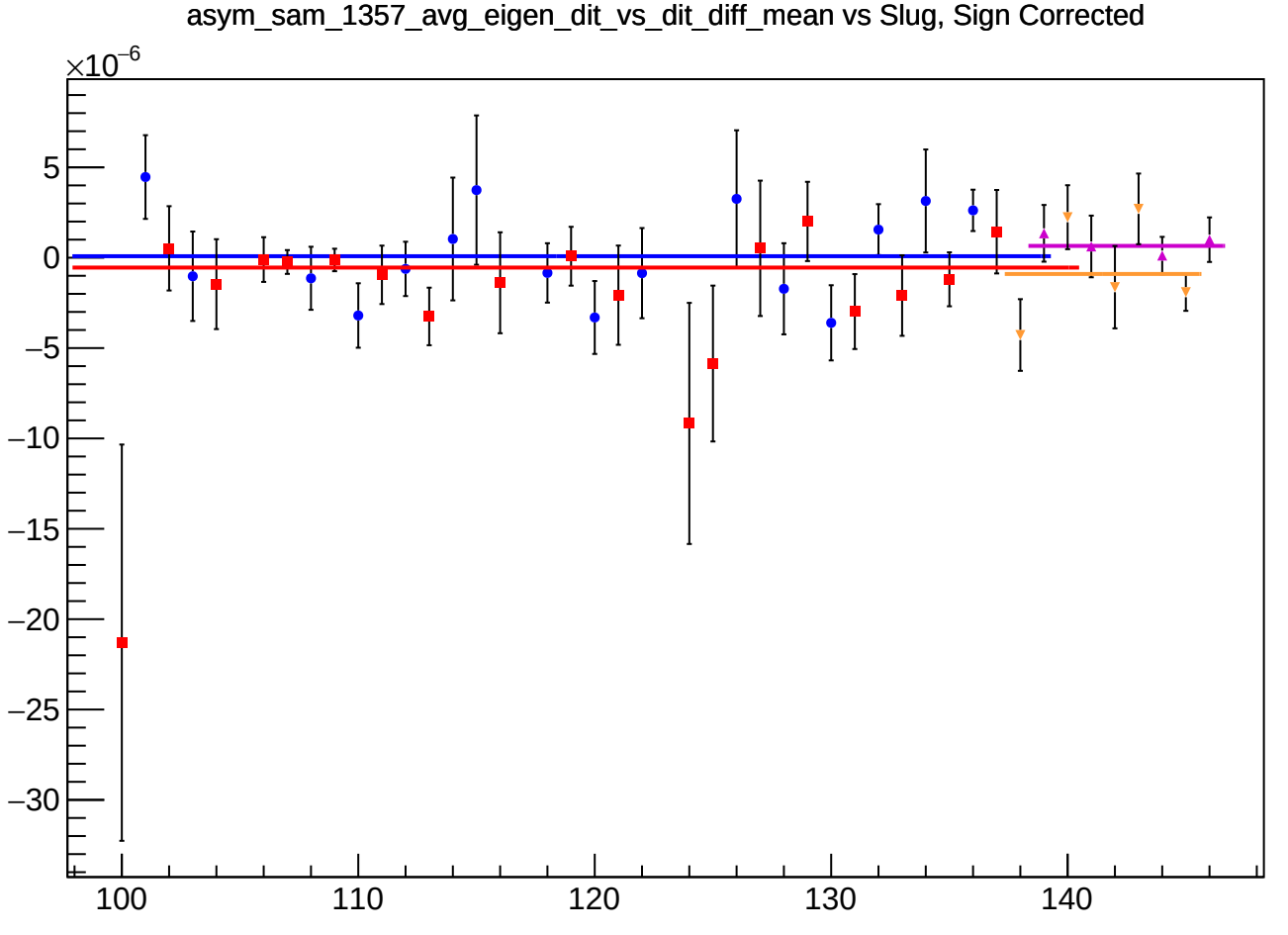
Left: 24.375+/-0.007 χ^2/NDF: 1273217.4/8

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.526+/-0.005 χ^2/NDF:2248707.2/19

Out: 22.733+/-0.005 χ^2/NDF:1873867.4/23

All: 20.929+/-0.004 χ^2/NDF: 4327223.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/3

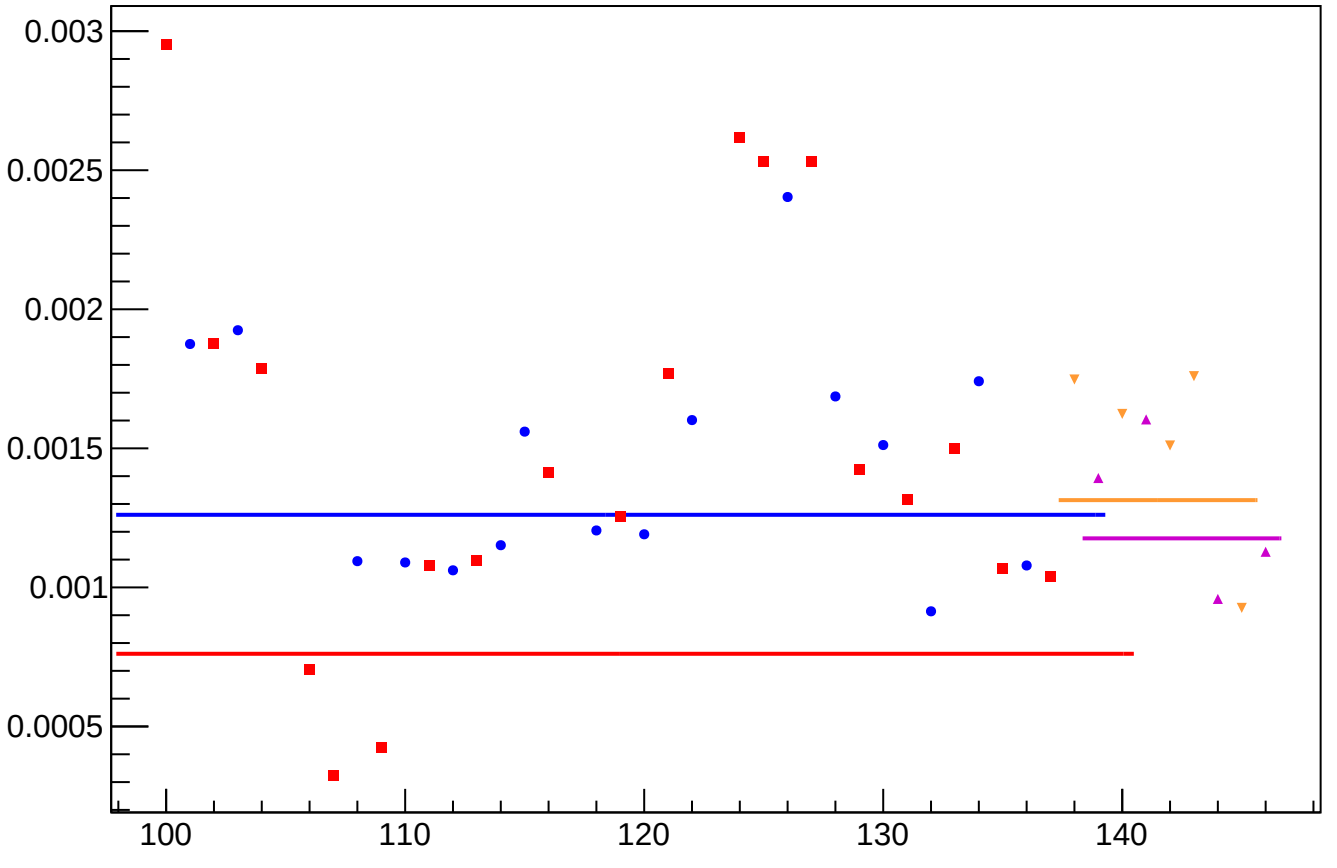
Left: -0.000+/-0.000 χ^2/NDF: 13.6/8

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:24.6/19

Out: -0.000+/-0.000 χ^2/NDF:26.3/23

All: -0.000+/-0.000 χ^2/NDF: 54.2/43



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:557936.2/4

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:255448.0/3

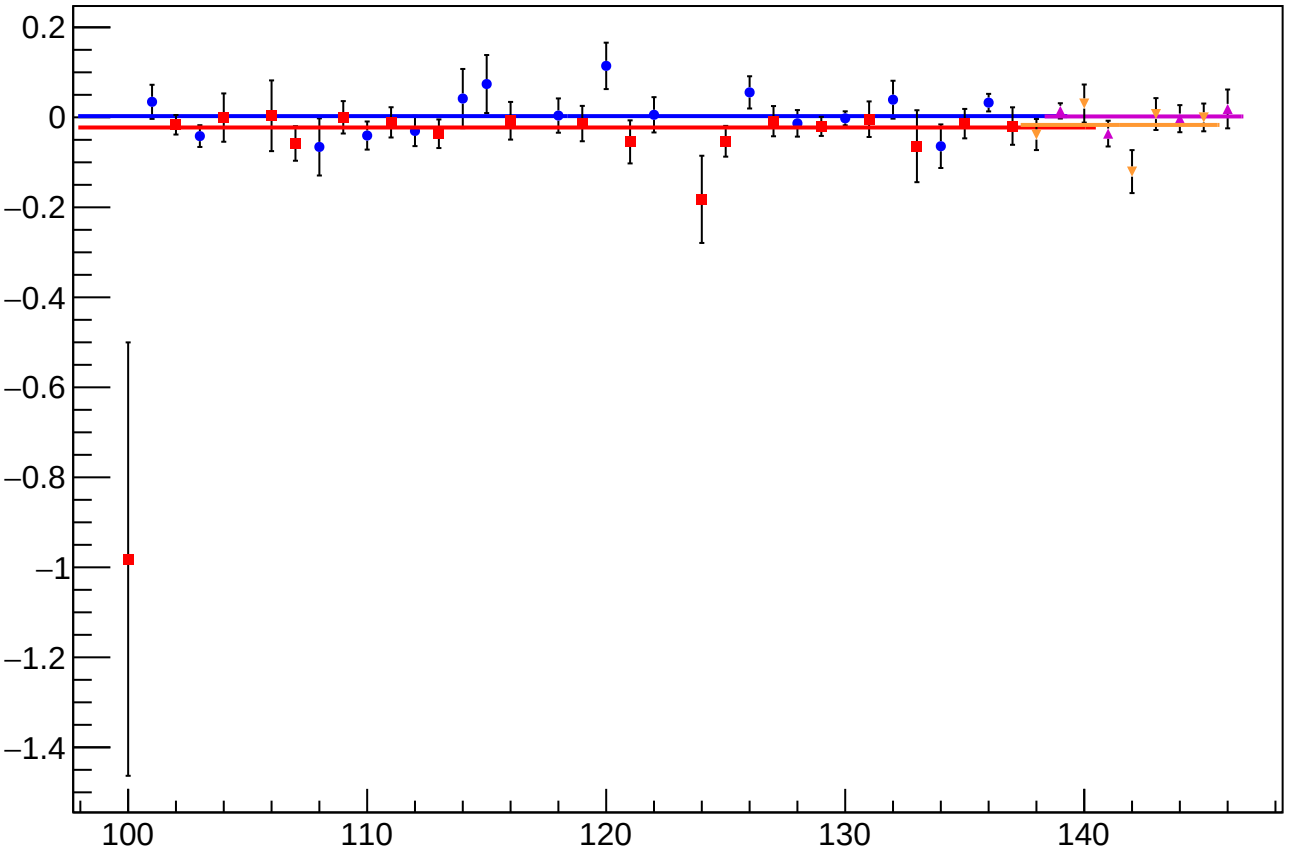
Left: 0.001+/-0.000 χ^2/NDF: 853787.7/8

Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1184388.5/19

Out: 0.001+/-0.000 χ^2/NDF:6210694.3/23

All: 0.001+/-0.000 χ^2/NDF: 8494700.6/43



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.017+/-0.016 χ^2/NDF:7.1/4

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.002+/-0.013 χ^2/NDF:2.5/3

Left: -0.005+/-0.010 χ^2/NDF: 10.4/8

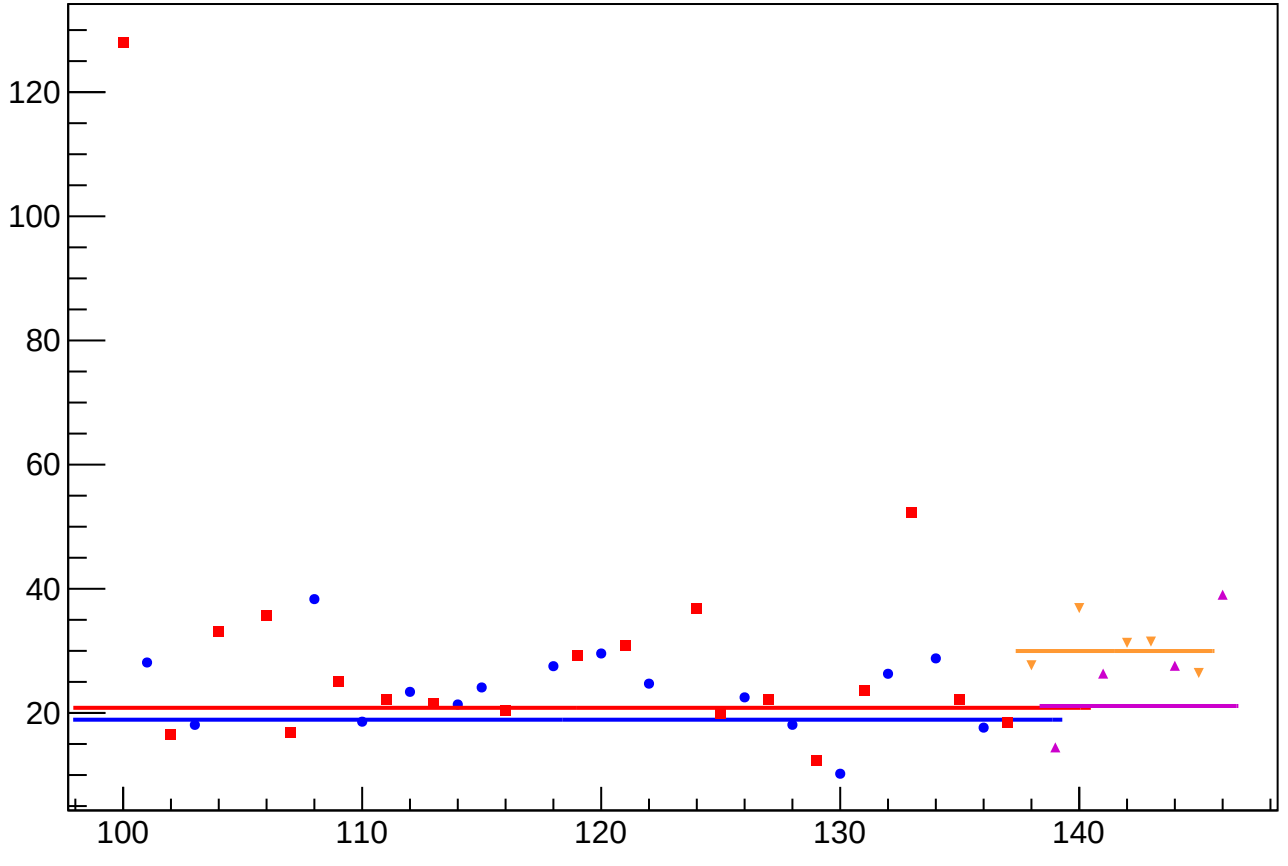
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.4/19

Out: -0.021+/-0.008 χ^2/NDF:18.0/23

All: -0.008+/-0.005 χ^2/NDF: 48.1/43

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: 29.975+/-0.012 χ^2/NDF:93815.9/4

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 21.120+/-0.009 χ^2/NDF:813699.4/3

Left: 24.376+/-0.007 χ^2/NDF: 1273126.4/8

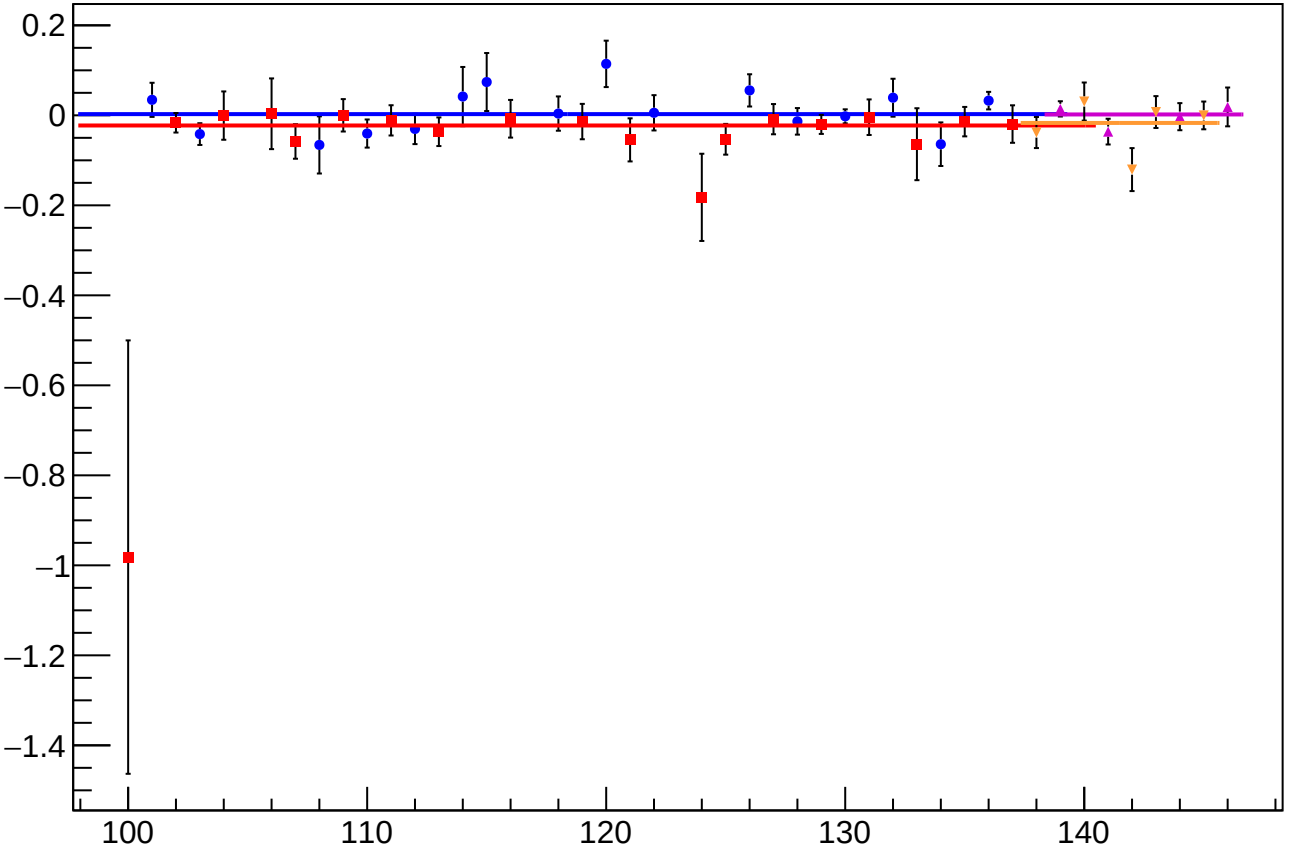
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.527+/-0.005 χ^2/NDF:2248545.3/19

Out: 22.733+/-0.005 χ^2/NDF:1873883.6/23

All: 20.929+/-0.004 χ^2/NDF: 4327040.8/43

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: -0.017+/-0.016 χ^2/NDF:7.1/4

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.002+/-0.013 χ^2/NDF:2.5/3

Left: -0.005+/-0.010 χ^2/NDF: 10.4/8

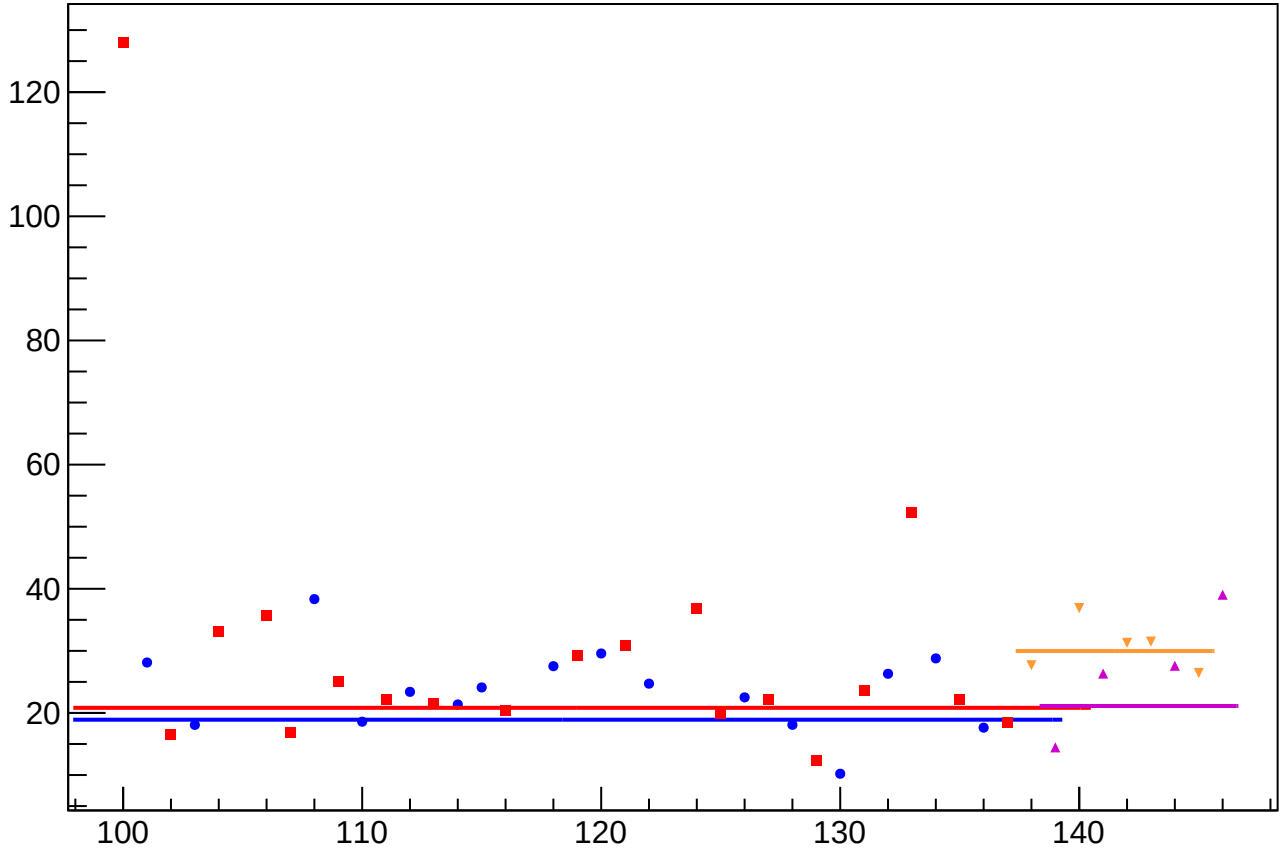
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.4/19

Out: -0.021+/-0.008 χ^2/NDF:18.0/23

All: -0.008+/-0.005 χ^2/NDF: 48.1/43

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: 29.975+/-0.012 χ^2/NDF:93815.9/4

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 21.120+/-0.009 χ^2/NDF:813699.4/3

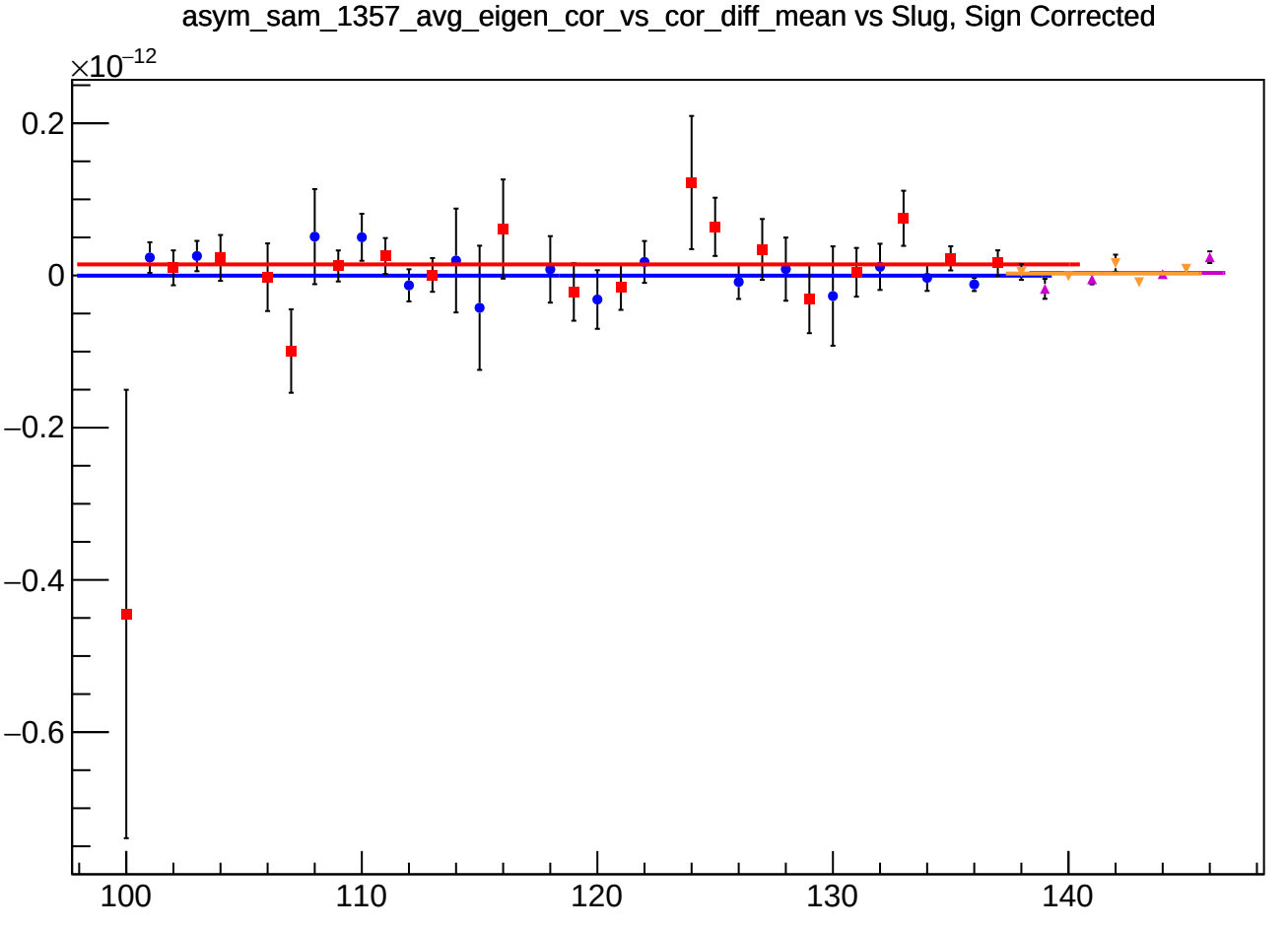
Left: 24.376+/-0.007 χ^2/NDF: 1273126.4/8

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.527+/-0.005 χ^2/NDF:2248545.3/19

Out: 22.733+/-0.005 χ^2/NDF:1873883.6/23

All: 20.929+/-0.004 χ^2/NDF: 4327040.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/3

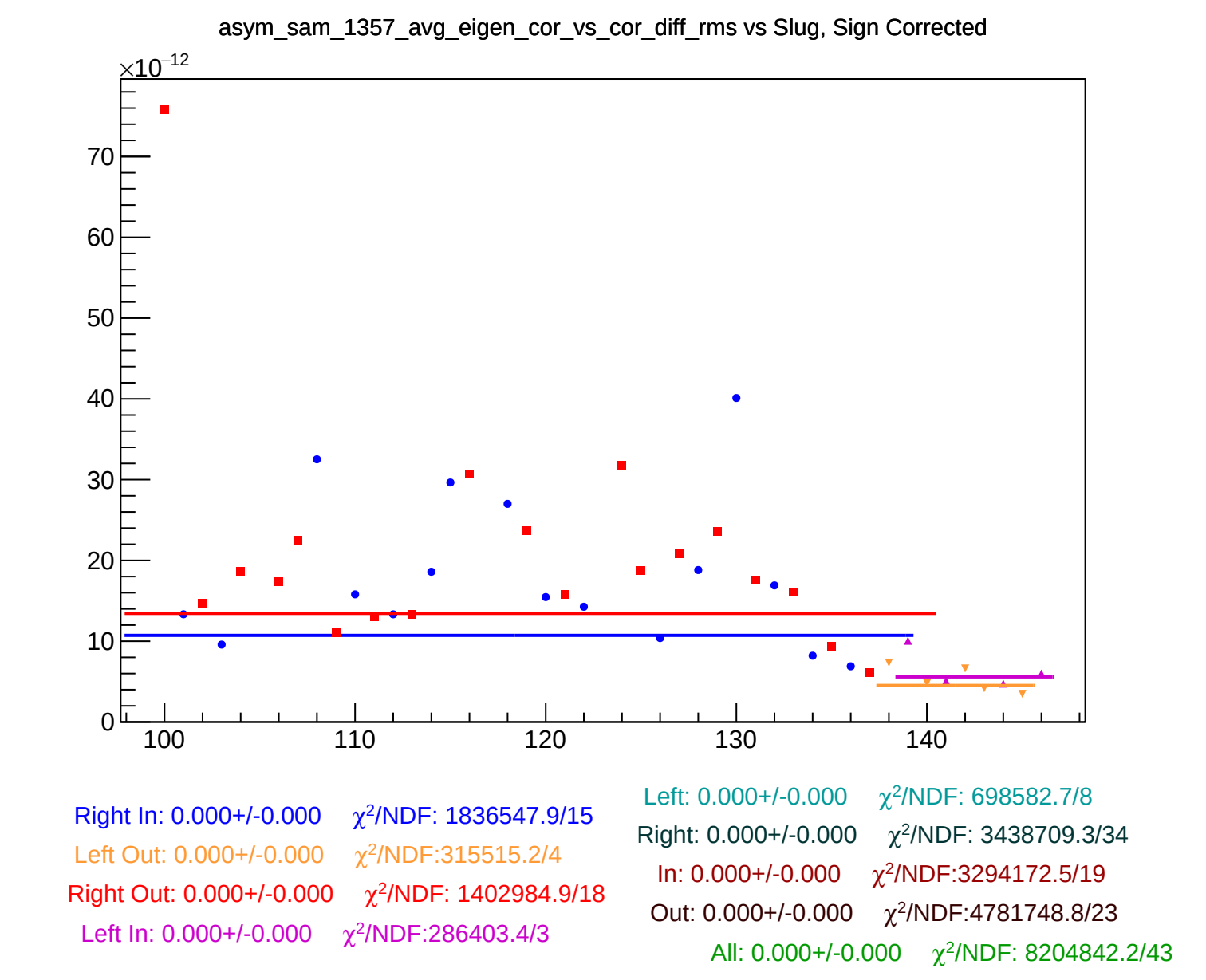
Left: 0.000+/-0.000 χ^2/NDF: 18.2/8

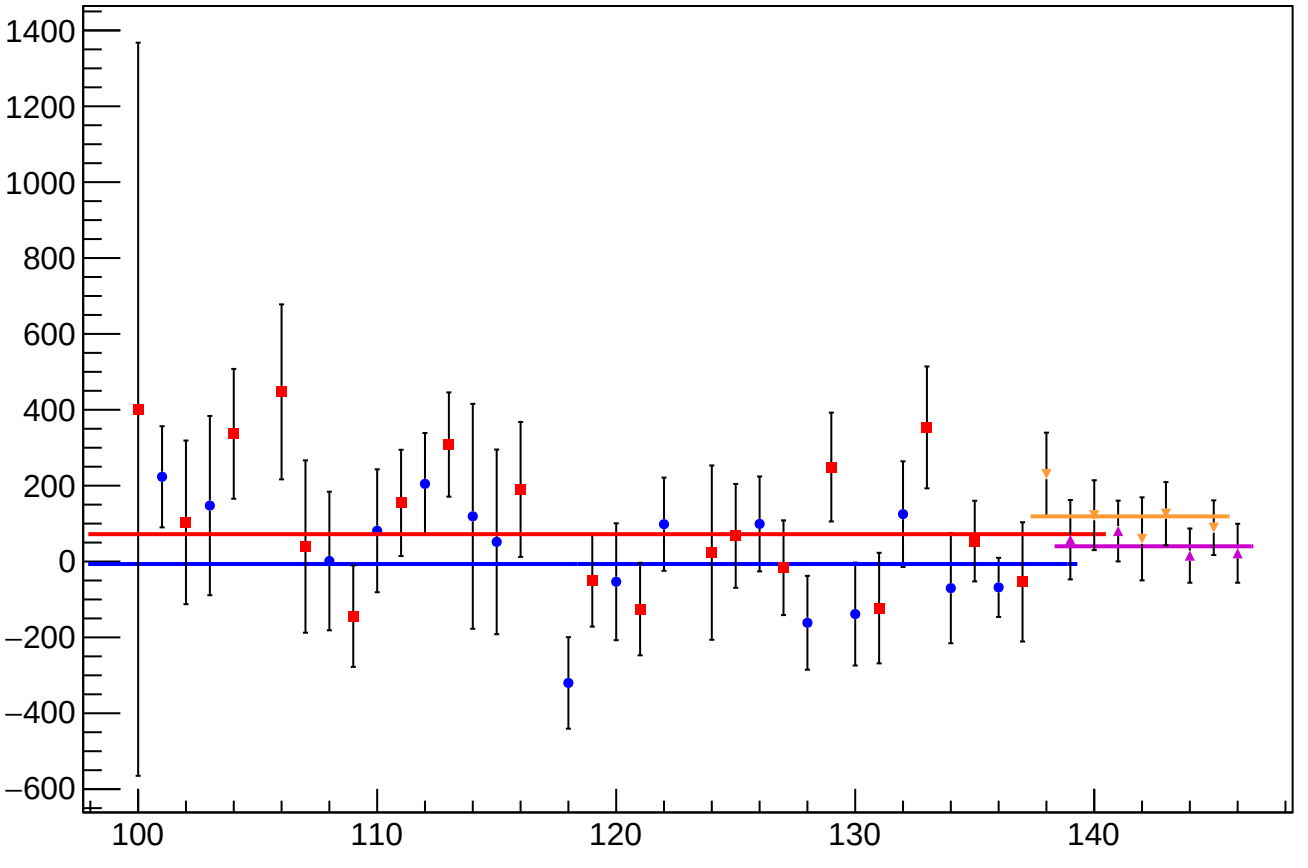
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:22.3/19

Out: 0.000+/-0.000 χ^2/NDF:27.1/23

All: 0.000+/-0.000 χ^2/NDF: 49.7/43


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
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:315515.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:286403.4/3
Left: 0.000+/-0.000 χ²/NDF: 698582.7/8
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:3294172.5/19
Out: 0.000+/-0.000 χ²/NDF:4781748.8/23
All: 0.000+/-0.000 χ²/NDF: 8204842.2/43



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 119.013+/-40.131 χ^2/NDF:1.5/4

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 40.170+/-40.547 χ^2/NDF:0.5/3

Left: 79.998+/-28.523 χ^2/NDF: 3.9/8

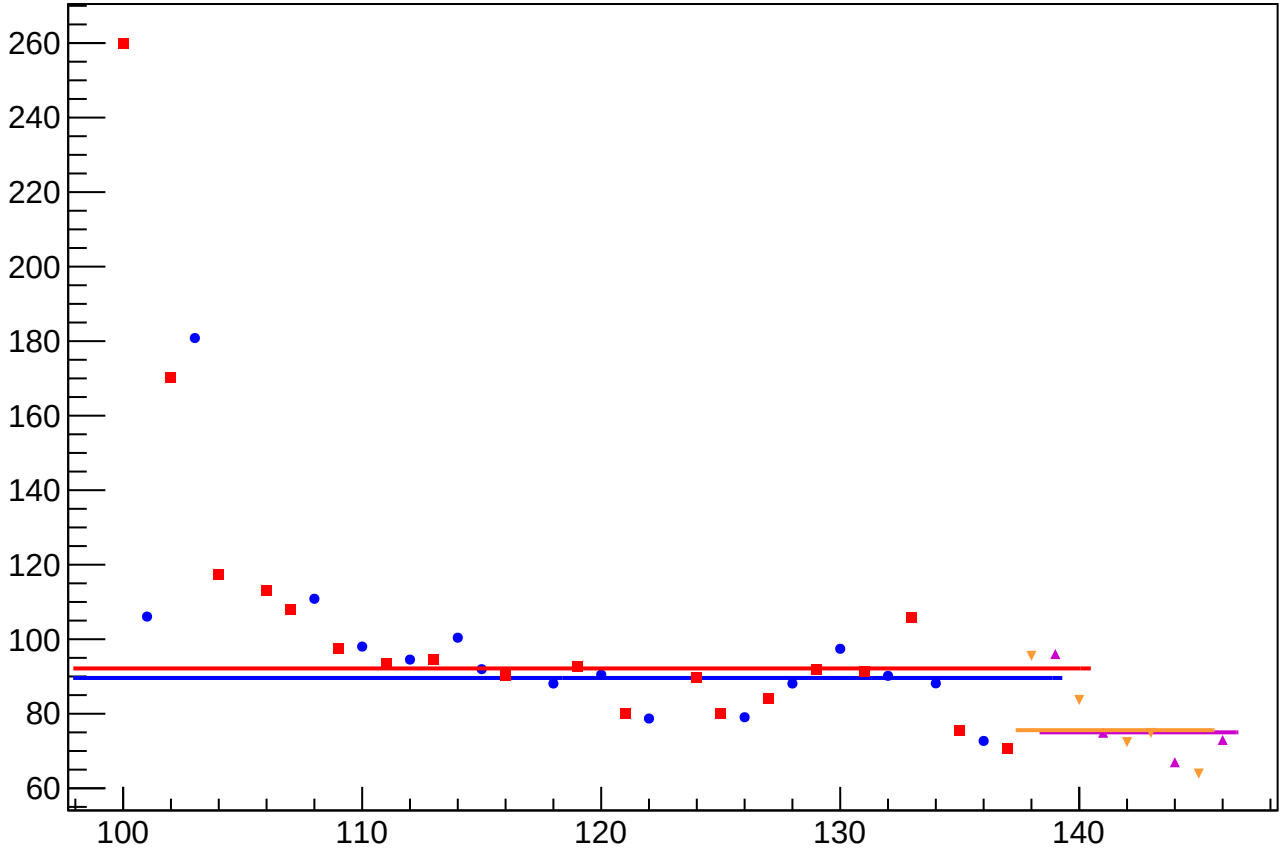
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 12.924+/-26.181 χ^2/NDF:20.2/19

Out: 92.304+/-26.327 χ^2/NDF:25.1/23

All: 52.392+/-18.564 χ^2/NDF: 49.8/43

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 75.594+/-0.028 χ^2/NDF:136041.5/4

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

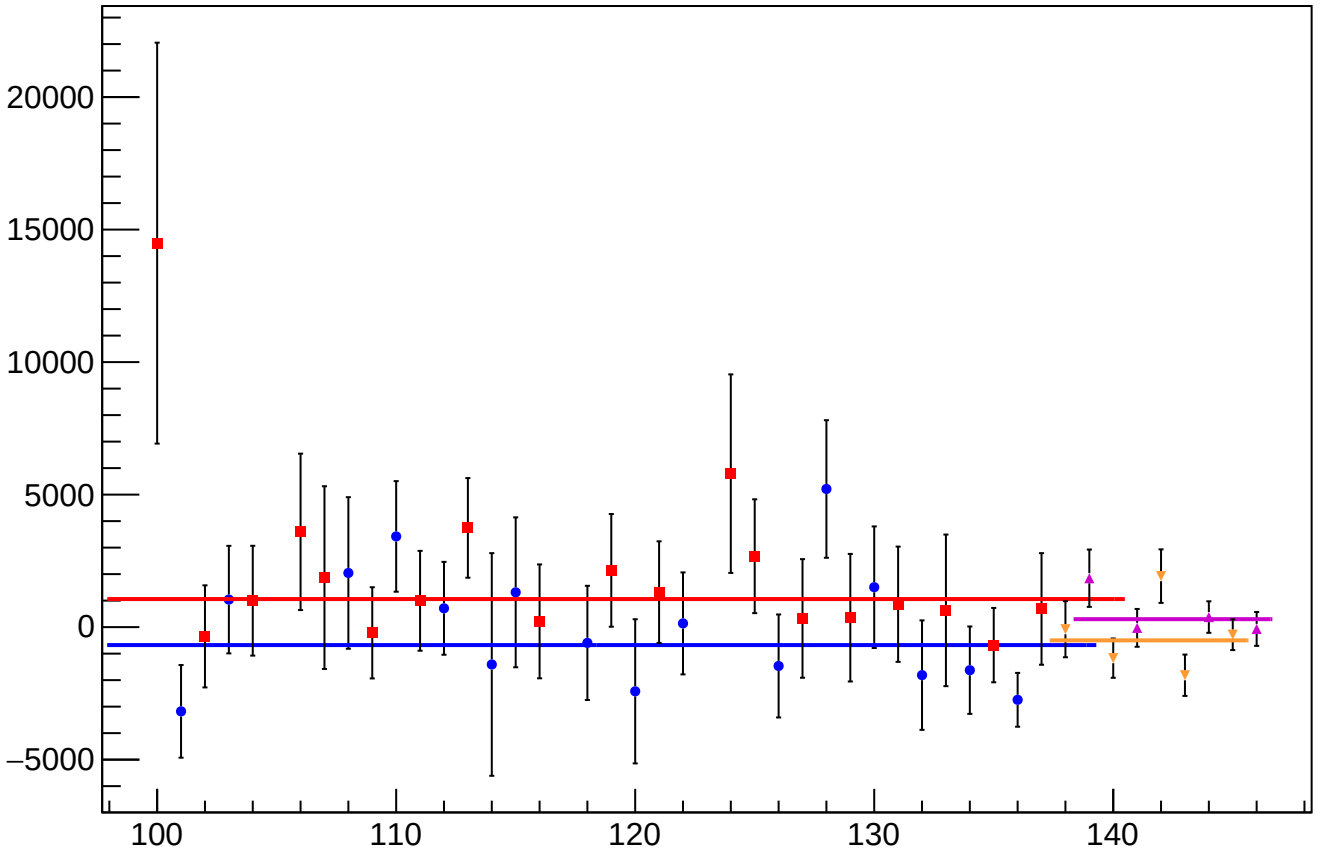
Left: 75.305+/-0.020 χ^2/NDF: 243502.9/8

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 83.519+/-0.019 χ^2/NDF:756693.1/19

Out: 85.031+/-0.019 χ^2/NDF:872264.6/23

All: 84.271+/-0.013 χ^2/NDF: 1632272.6/43



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -499.148+/-347.329 χ^2/NDF:9.7/4

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 300.248+/-351.346 χ^2/NDF:2.6/3

Left: -104.046+/-247.006 χ^2/NDF: 14.9/8

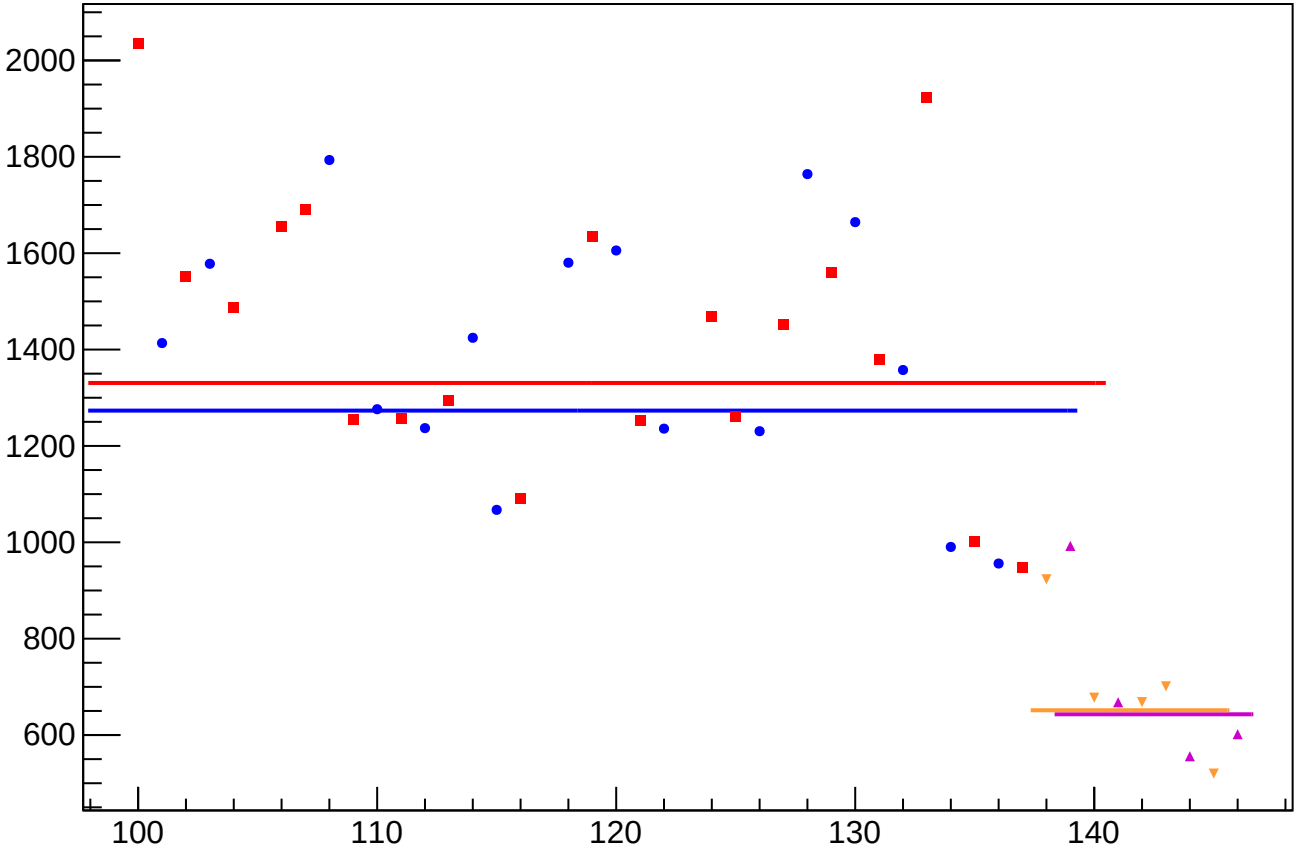
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -34.882+/-284.829 χ^2/NDF:25.5/19

Out: 12.954+/-284.574 χ^2/NDF:27.8/23

All: -10.942+/-201.314 χ^2/NDF: 53.3/43

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: 651.449+/-0.246 χ^2/NDF:245151.9/4

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 643.087+/-0.248 χ^2/NDF:262601.4/3

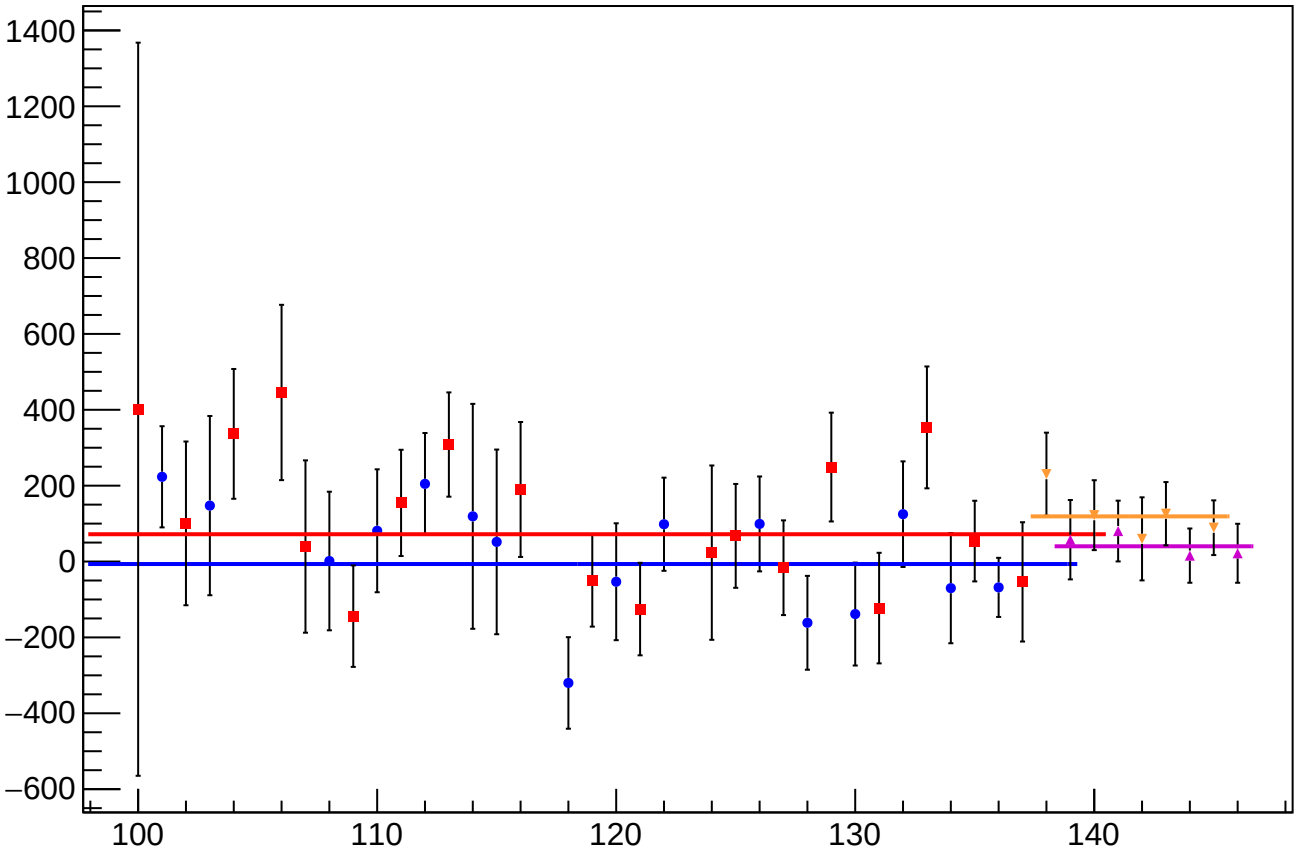
Left: 647.316+/-0.175 χ^2/NDF: 508326.3/8

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 859.131+/-0.201 χ^2/NDF:3066131.7/19

Out: 874.721+/-0.201 χ^2/NDF:3230069.7/23

All: 866.933+/-0.142 χ^2/NDF: 6299199.9/43



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 119.025+/-40.131 χ^2/NDF:1.5/4

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 40.179+/-40.547 χ^2/NDF:0.5/3

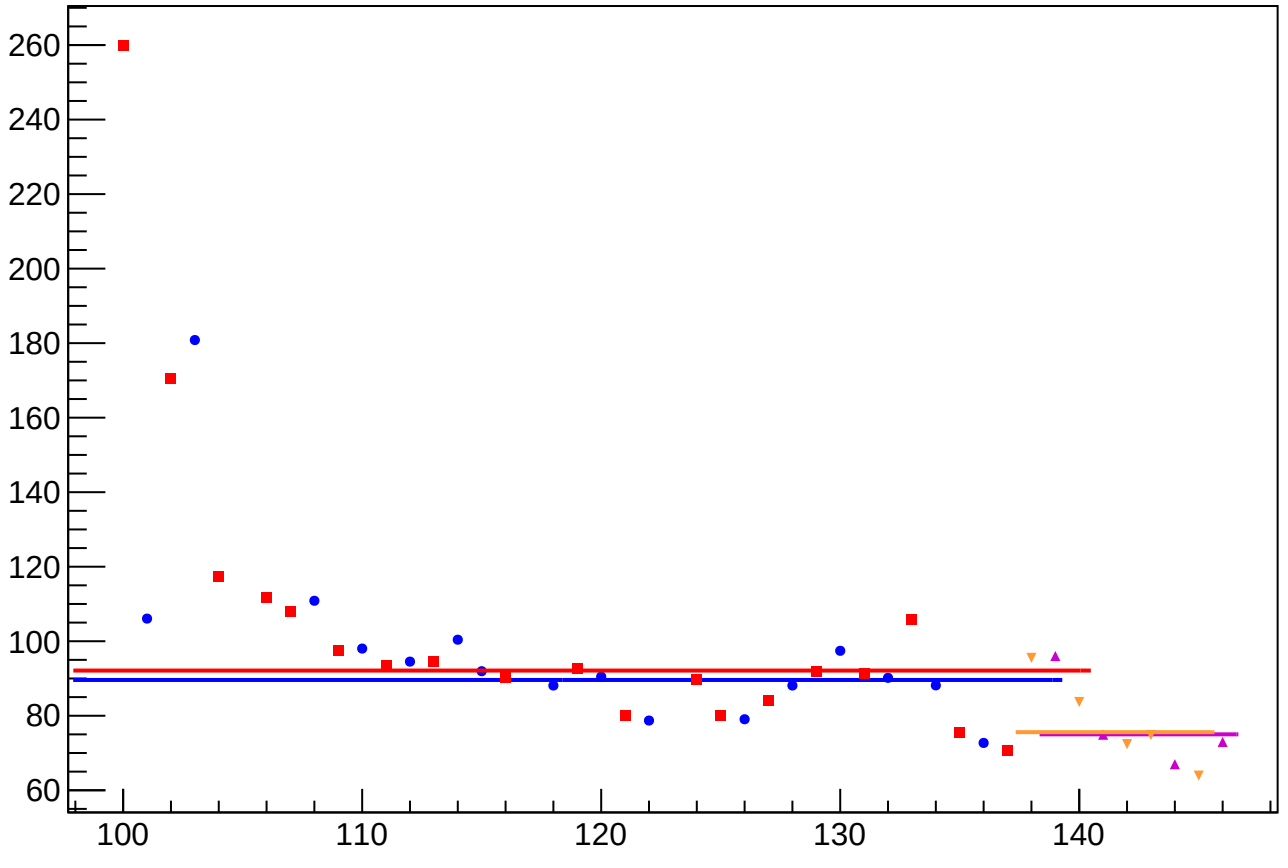
Left: 80.009+/-28.523 χ^2/NDF: 3.9/8

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 12.922+/-26.181 χ^2/NDF:20.2/19

Out: 92.229+/-26.328 χ^2/NDF:25.0/23

All: 52.353+/-18.565 χ^2/NDF: 49.8/43



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.594+/-0.028 χ^2/NDF:136041.5/4

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

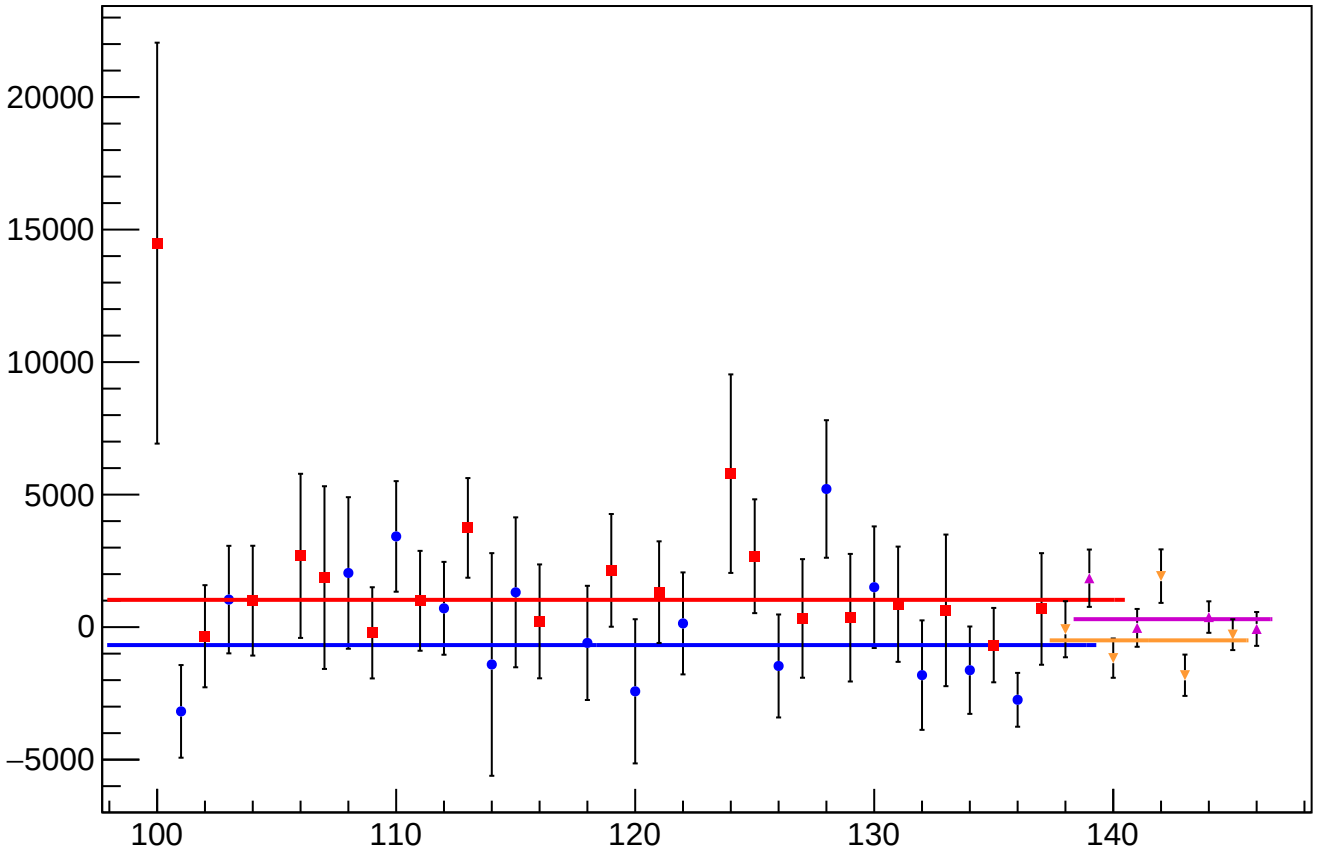
Left: 75.305+/-0.020 χ^2/NDF: 243502.9/8

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 83.519+/-0.019 χ^2/NDF:756696.6/19

Out: 85.012+/-0.019 χ^2/NDF:869745.2/23

All: 84.262+/-0.013 χ^2/NDF: 1629675.8/43



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -499.137+/-347.328 χ^2/NDF:9.7/4

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 300.255+/-351.346 χ^2/NDF:2.6/3

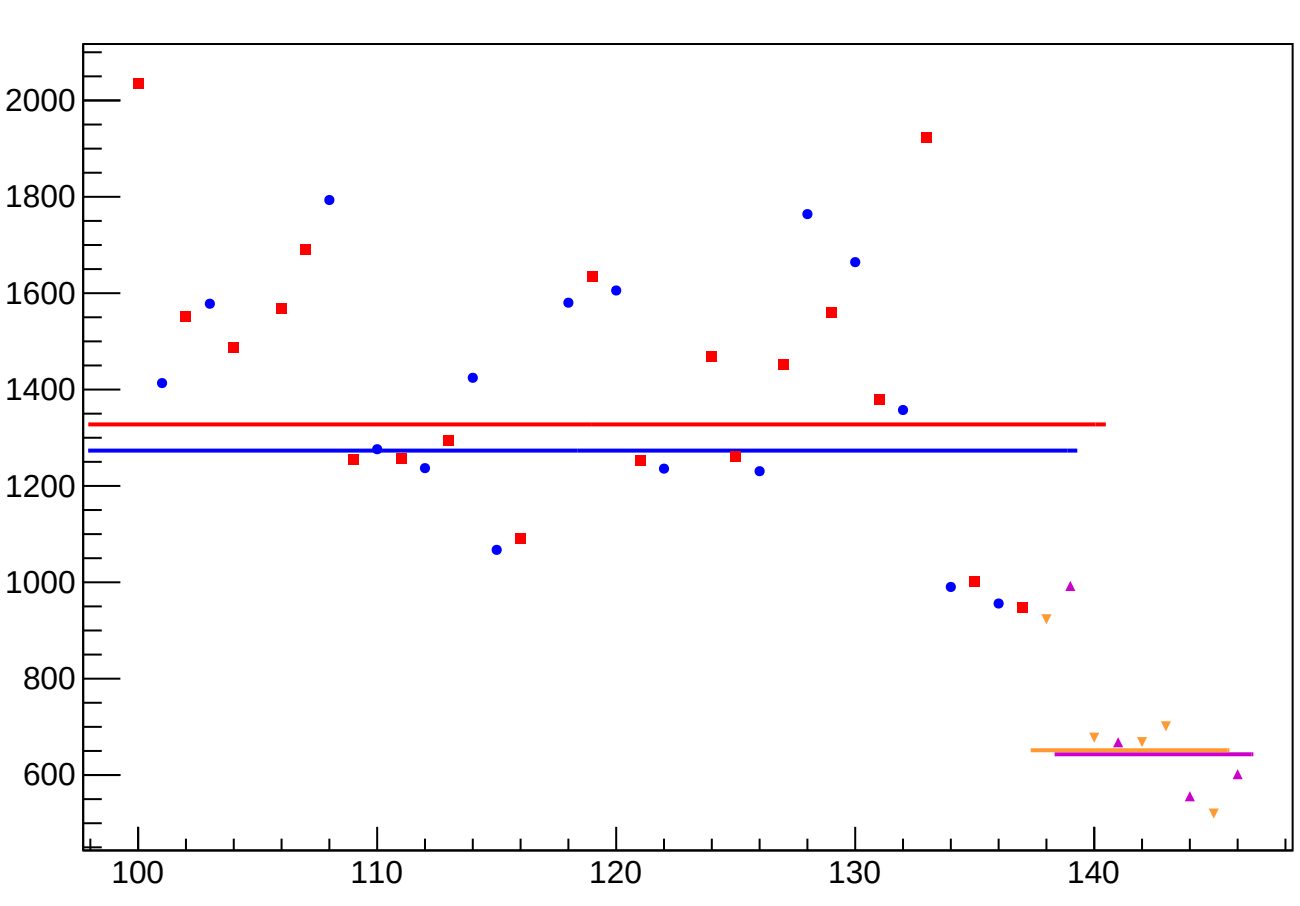
Left: -104.038+/-247.006 χ^2/NDF: 14.9/8

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -34.863+/-284.829 χ^2/NDF:25.5/19

Out: 2.402+/-284.700 χ^2/NDF:27.1/23

All: -16.222+/-201.359 χ^2/NDF: 52.6/43



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 651.448+/-0.246 χ^2/NDF:245151.8/4

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 643.087+/-0.248 χ^2/NDF:262600.7/3

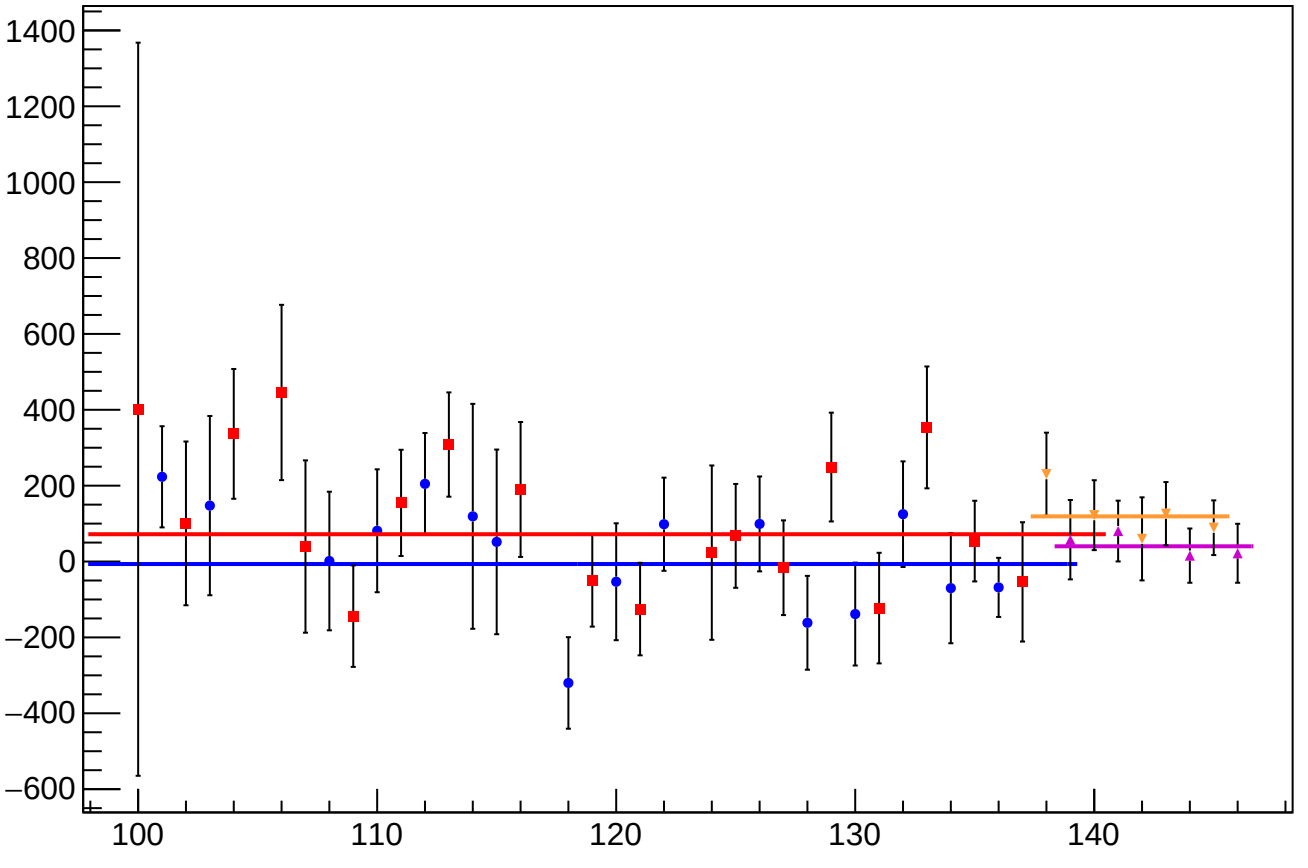
Left: 647.316+/-0.175 χ^2/NDF: 508325.4/8

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 859.131+/-0.201 χ^2/NDF:3066167.4/19

Out: 873.326+/-0.201 χ^2/NDF:3191033.0/23

All: 866.232+/-0.142 χ^2/NDF: 6259685.0/43



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 119.025+/-40.131 χ^2/NDF:1.5/4

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 40.179+/-40.547 χ^2/NDF:0.5/3

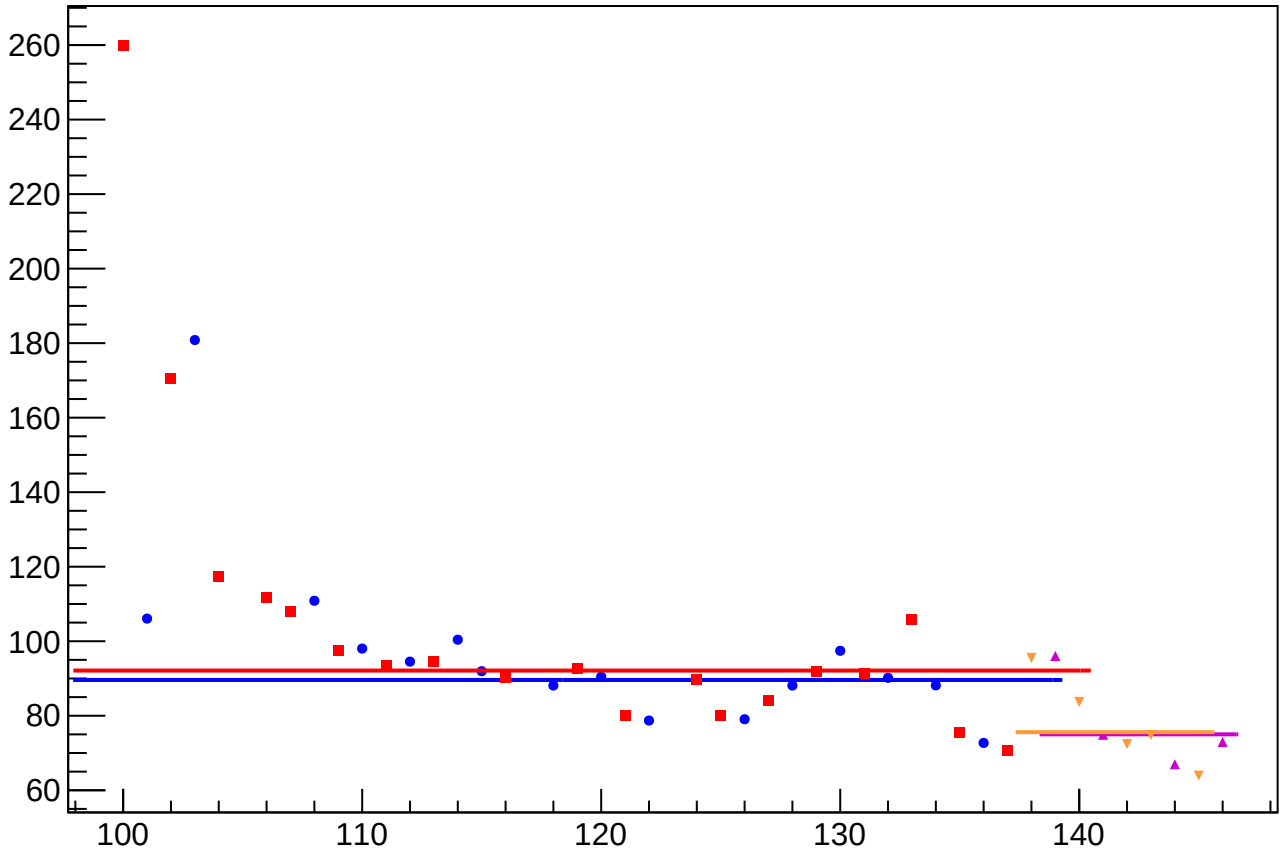
Left: 80.009+/-28.523 χ^2/NDF: 3.9/8

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 12.922+/-26.181 χ^2/NDF:20.2/19

Out: 92.229+/-26.328 χ^2/NDF:25.0/23

All: 52.353+/-18.565 χ^2/NDF: 49.8/43



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 75.594+/-0.028 χ^2/NDF:136041.5/4

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

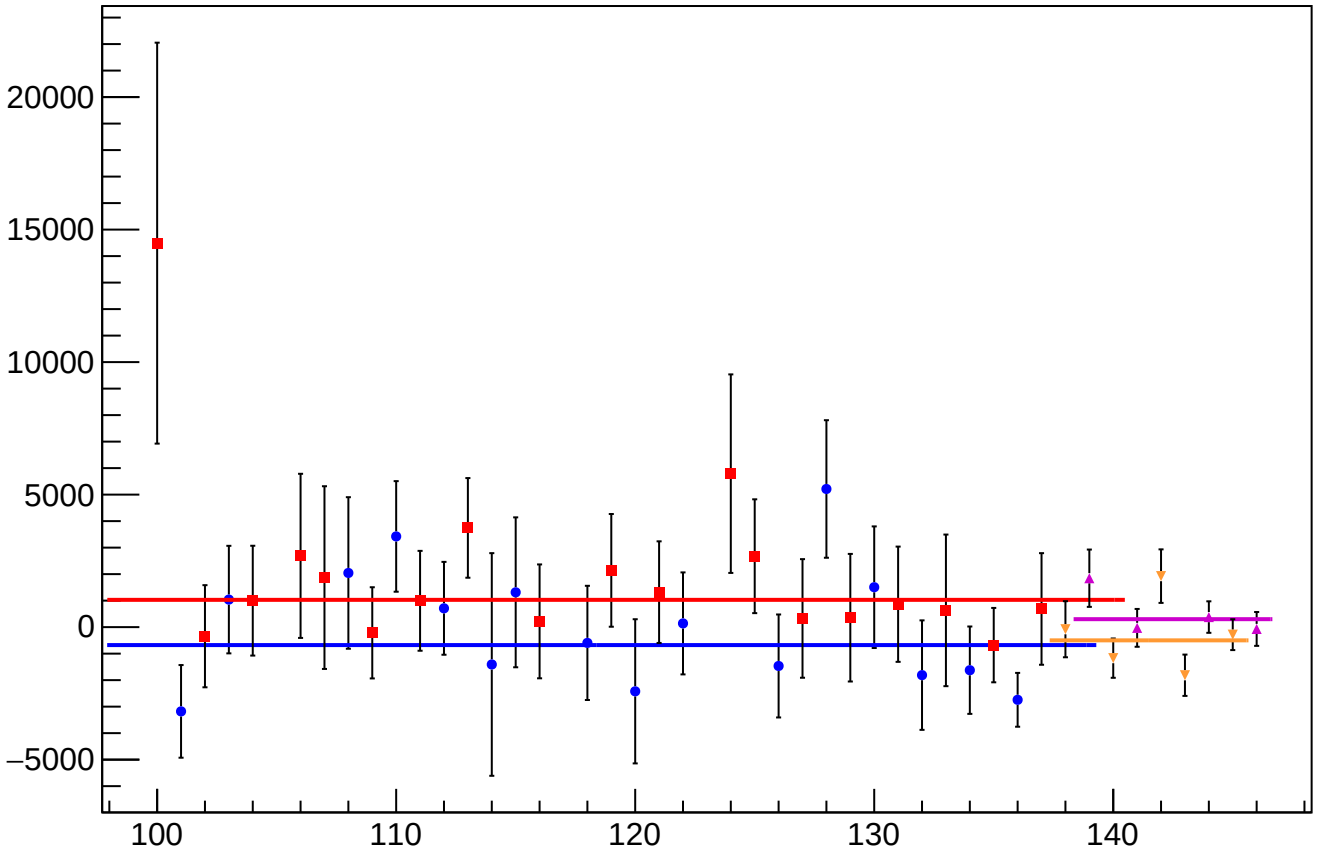
Left: 75.305+/-0.020 χ^2/NDF: 243502.9/8

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 83.519+/-0.019 χ^2/NDF:756696.6/19

Out: 85.012+/-0.019 χ^2/NDF:869745.2/23

All: 84.262+/-0.013 χ^2/NDF: 1629675.8/43



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -499.137+/-347.328 χ^2/NDF:9.7/4

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 300.255+/-351.346 χ^2/NDF:2.6/3

Left: -104.038+/-247.006 χ^2/NDF: 14.9/8

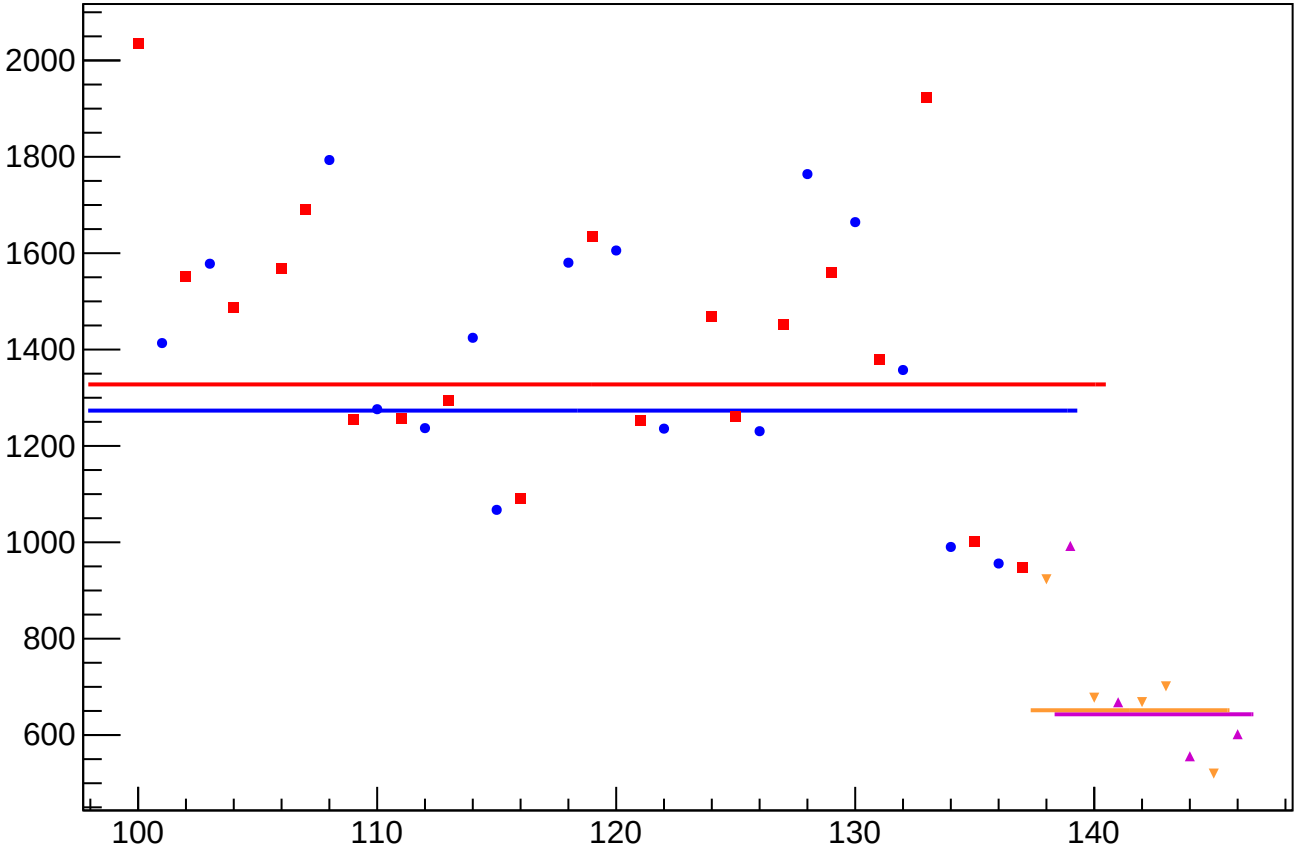
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -34.863+/-284.829 χ^2/NDF:25.5/19

Out: 2.402+/-284.700 χ^2/NDF:27.1/23

All: -16.222+/-201.359 χ^2/NDF: 52.6/43

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: 651.448+/-0.246 χ^2/NDF:245151.8/4

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 643.087+/-0.248 χ^2/NDF:262600.7/3

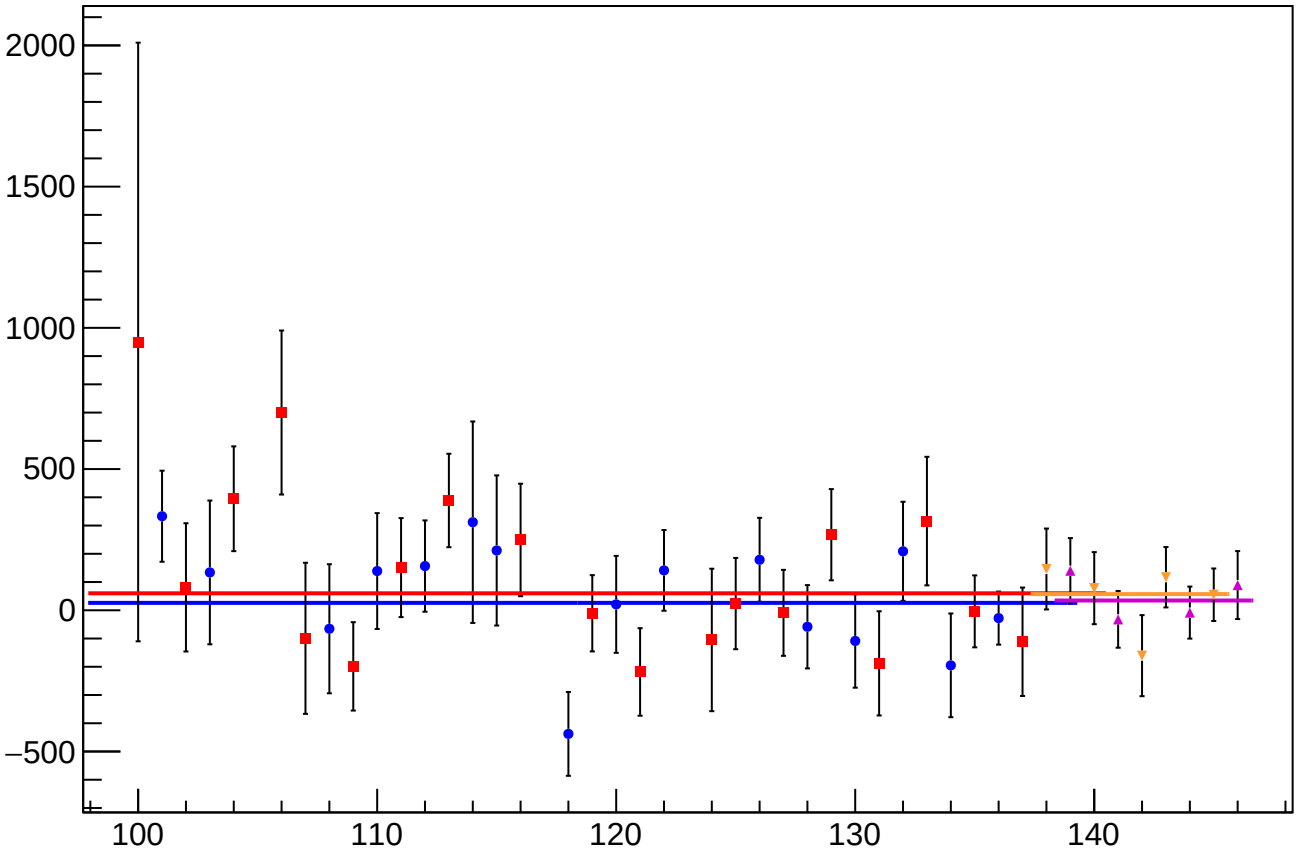
Left: 647.316+/-0.175 χ^2/NDF: 508325.4/8

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

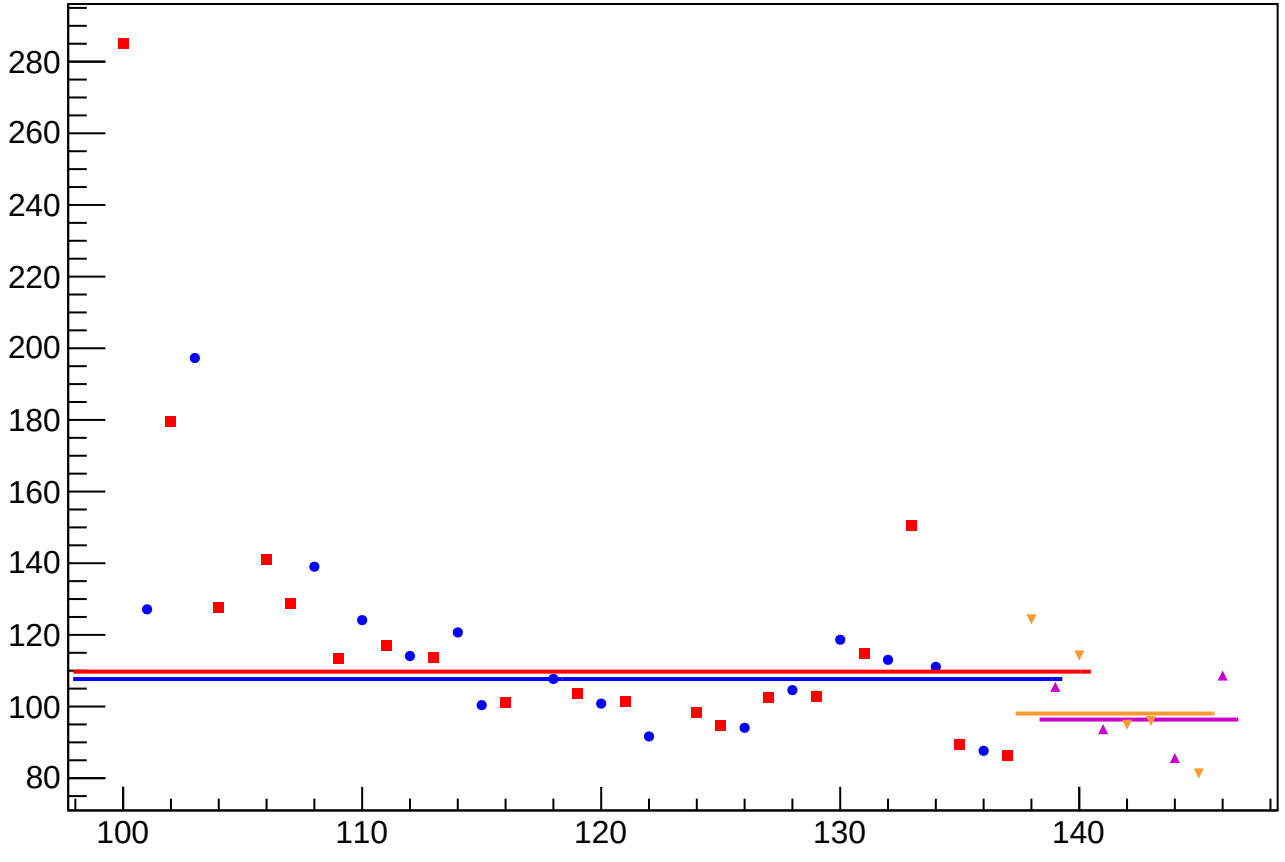
In: 859.131+/-0.201 χ^2/NDF:3066167.4/19

Out: 873.326+/-0.201 χ^2/NDF:3191033.0/23

All: 866.232+/-0.142 χ^2/NDF: 6259685.0/43


dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
100
110
120
130
140
Right In: 26.251+/-41.220 χ²/NDF: 21.4/15
Left Out: 57.295+/-52.557 χ²/NDF:3.0/4
Right Out: 60.119+/-41.528 χ²/NDF: 27.0/18
Left In: 34.600+/-52.636 χ²/NDF:1.7/3
Left: 45.965+/-37.191 χ²/NDF: 4.8/8
Right: 43.059+/-29.255 χ²/NDF: 48.7/34
In: 29.425+/-32.453 χ²/NDF:23.1/19
Out: 59.034+/-32.584 χ²/NDF:30.0/23
All: 44.170+/-22.994 χ²/NDF: 53.5/43

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 98.044+/-0.037 χ^2/NDF:166228.7/4

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 96.367+/-0.037 χ^2/NDF:61939.8/3

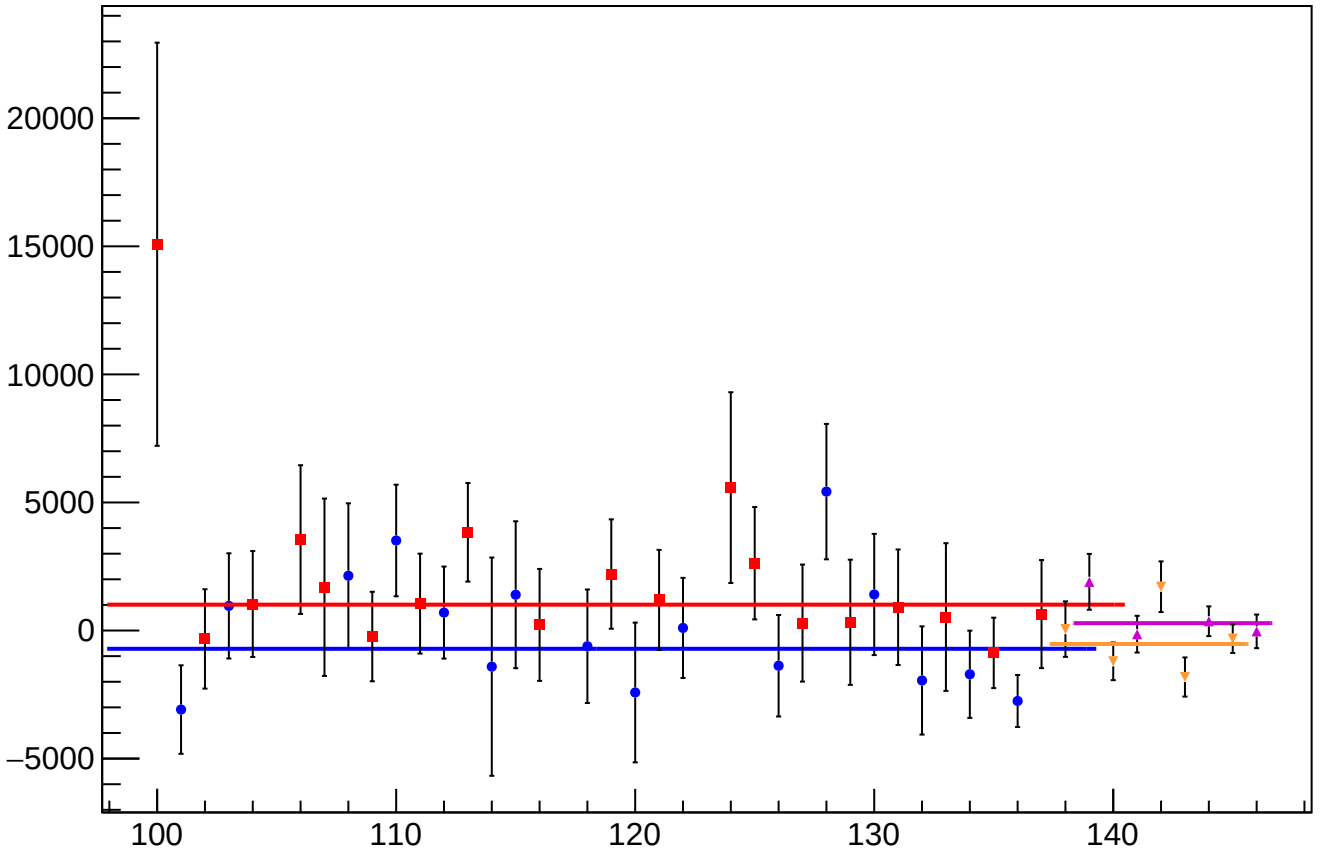
Left: 97.207+/-0.026 χ^2/NDF: 229184.3/8

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 103.379+/-0.023 χ^2/NDF:602330.0/19

Out: 105.244+/-0.023 χ^2/NDF:718991.7/23

All: 104.308+/-0.016 χ^2/NDF: 1324609.0/43



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -526.428+/-339.794 χ^2/NDF:9.2/4

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 287.588+/-351.977 χ^2/NDF:2.8/3

Left: -133.751+/-244.464 χ^2/NDF: 14.8/8

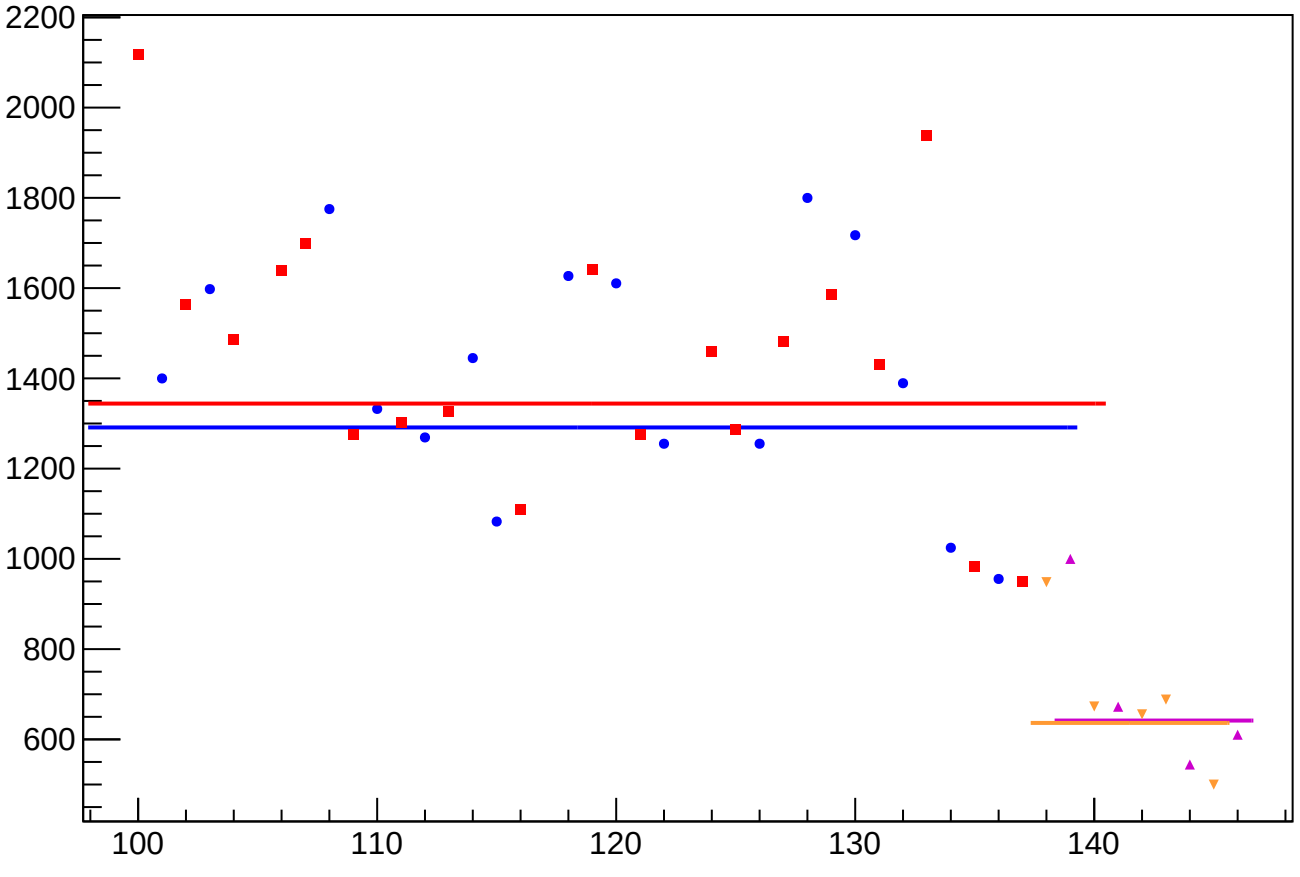
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -49.970+/-286.511 χ^2/NDF:25.6/19

Out: -42.667+/-281.282 χ^2/NDF:27.4/23

All: -46.252+/-200.719 χ^2/NDF: 53.1/43

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: 636.473+/-0.240 χ^2/NDF:301257.7/4

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 641.725+/-0.249 χ^2/NDF:280550.6/3

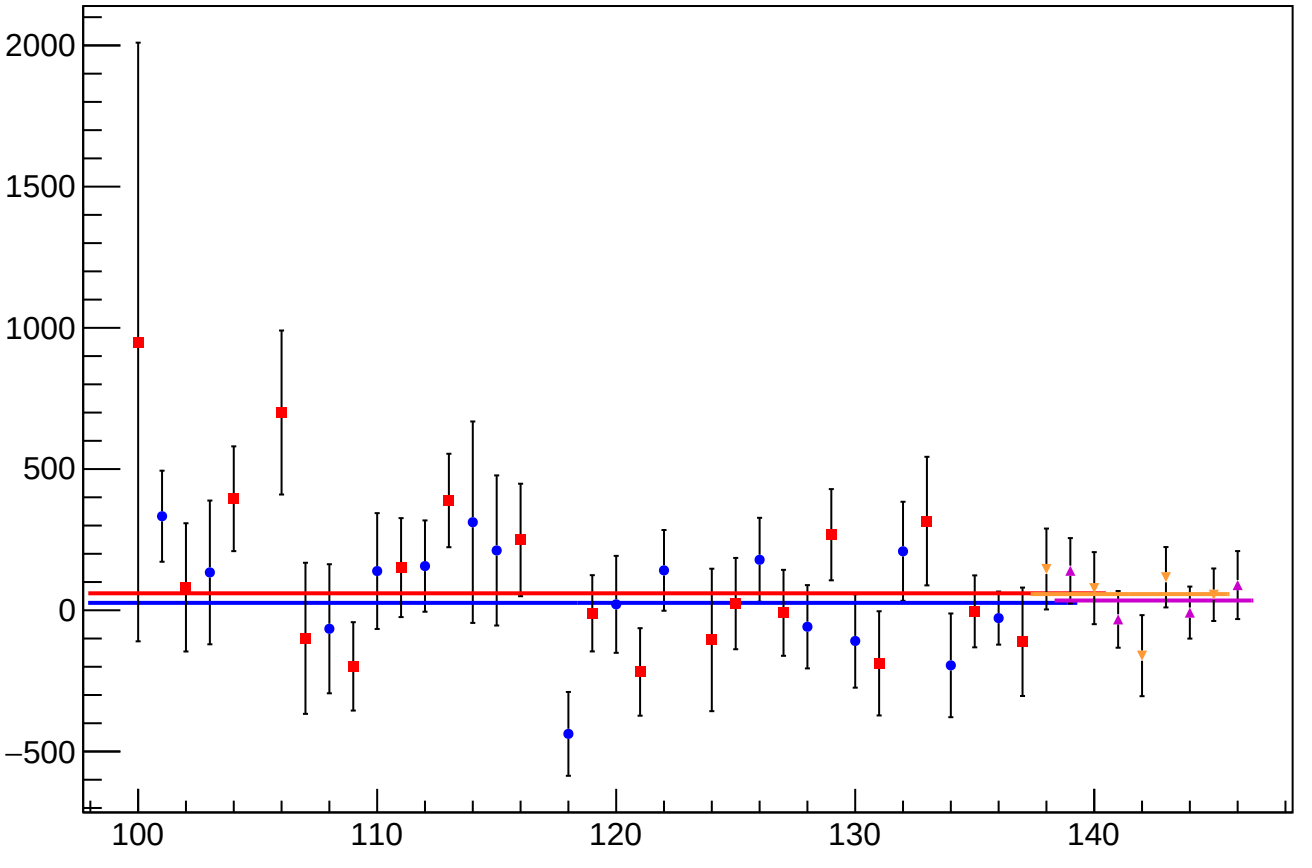
Left: 639.007+/-0.173 χ^2/NDF: 582038.8/8

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 860.864+/-0.203 χ^2/NDF:3189178.0/19

Out: 859.202+/-0.199 χ^2/NDF:3522385.6/23

All: 860.018+/-0.142 χ^2/NDF: 6711597.8/43



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 57.294+/-52.557 χ^2/NDF:3.0/4

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 34.600+/-52.636 χ^2/NDF:1.7/3

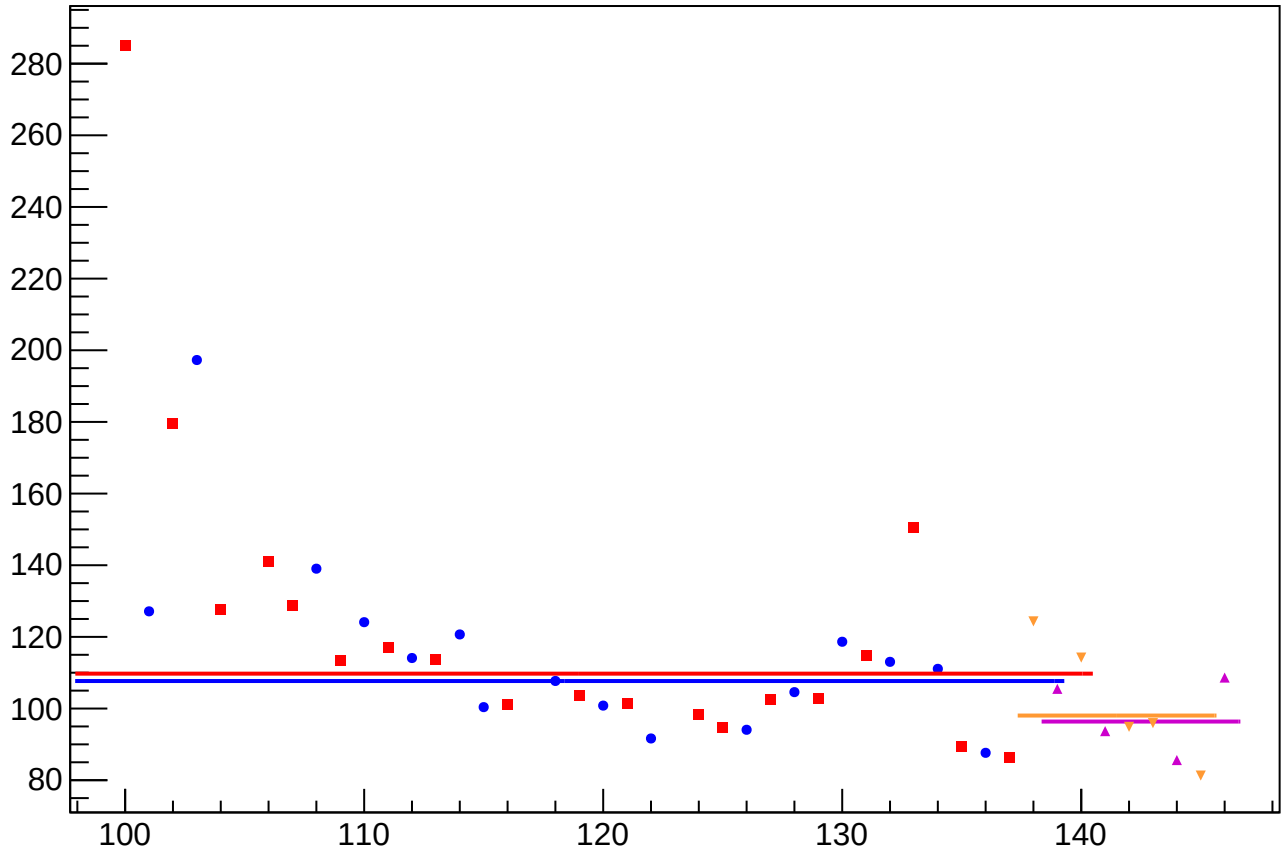
Left: 45.964+/-37.191 χ^2/NDF: 4.8/8

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 29.425+/-32.453 χ^2/NDF:23.1/19

Out: 59.032+/-32.584 χ^2/NDF:30.0/23

All: 44.169+/-22.994 χ^2/NDF: 53.5/43



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 98.044+/-0.037 χ^2/NDF:166215.6/4

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 96.368+/-0.037 χ^2/NDF:61937.8/3

Left: 97.207+/-0.026 χ^2/NDF: 229169.4/8

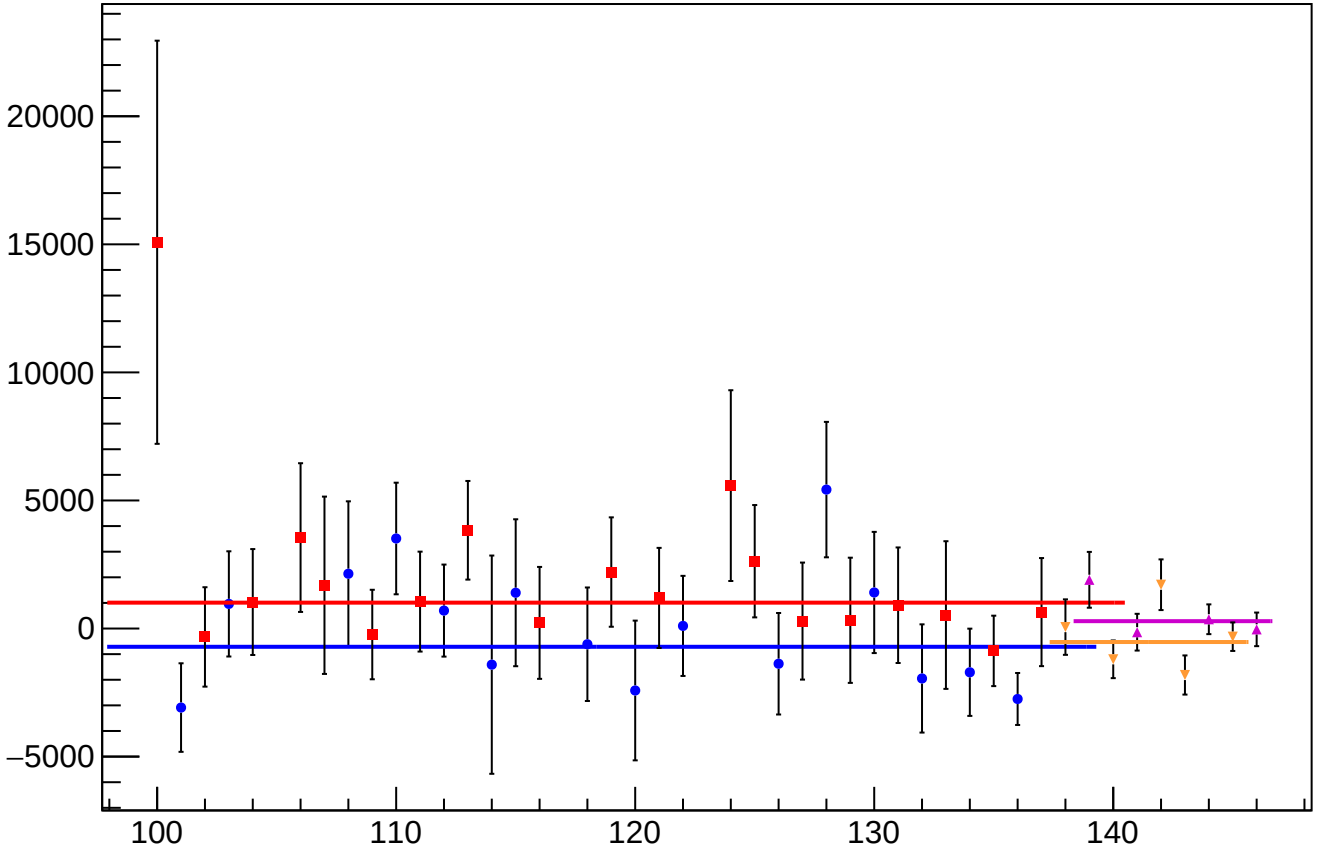
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 103.379+/-0.023 χ^2/NDF:602303.5/19

Out: 105.244+/-0.023 χ^2/NDF:718963.5/23

All: 104.308+/-0.016 χ^2/NDF: 1324554.7/43

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -526.430+/-339.793 χ^2/NDF:9.2/4

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 287.588+/-351.976 χ^2/NDF:2.8/3

Left: -133.752+/-244.464 χ^2/NDF: 14.8/8

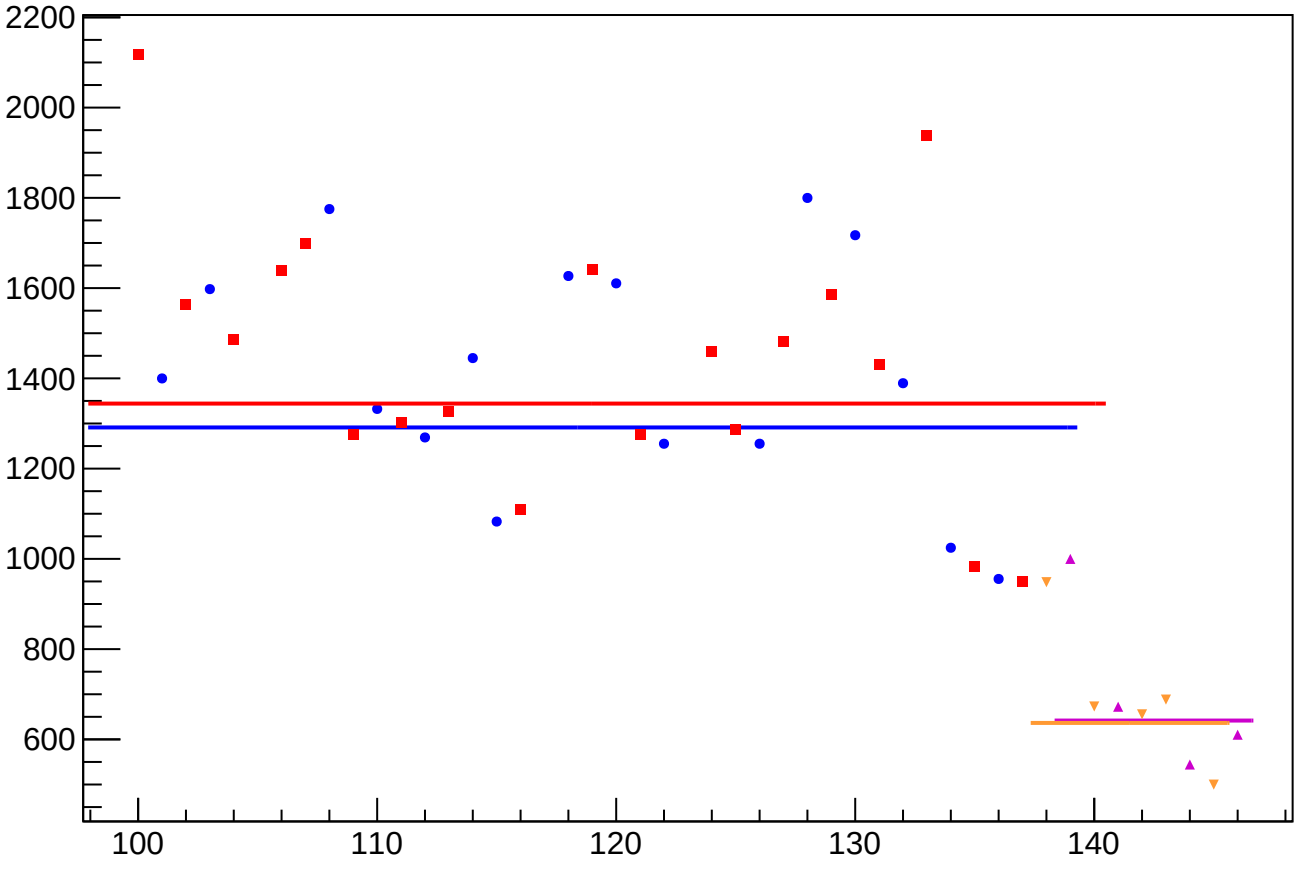
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -49.968+/-286.510 χ^2/NDF:25.6/19

Out: -42.670+/-281.281 χ^2/NDF:27.4/23

All: -46.252+/-200.719 χ^2/NDF: 53.1/43

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: 636.471+/-0.240 χ^2/NDF:301259.3/4

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 641.724+/-0.249 χ^2/NDF:280549.0/3

Left: 639.005+/-0.173 χ^2/NDF: 582038.8/8

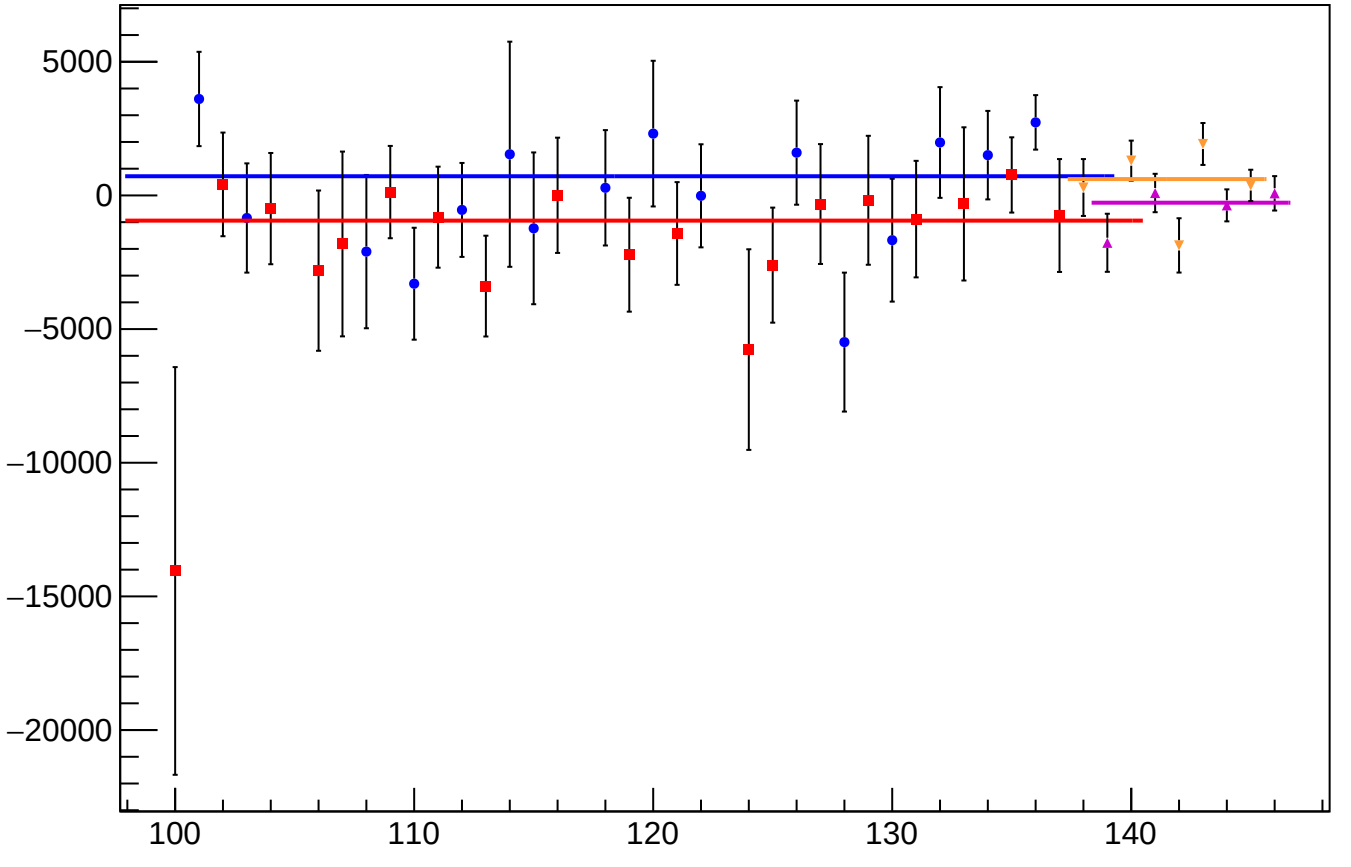
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 860.863+/-0.203 χ^2/NDF:3189170.8/19

Out: 859.199+/-0.199 χ^2/NDF:3522390.9/23

All: 860.016+/-0.142 χ^2/NDF: 6711596.0/43

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 611.536+/-349.772 χ^2/NDF:9.9/4

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -272.084+/-353.834 χ^2/NDF:2.5/3

Left: 174.827+/-248.750 χ^2/NDF: 15.5/8

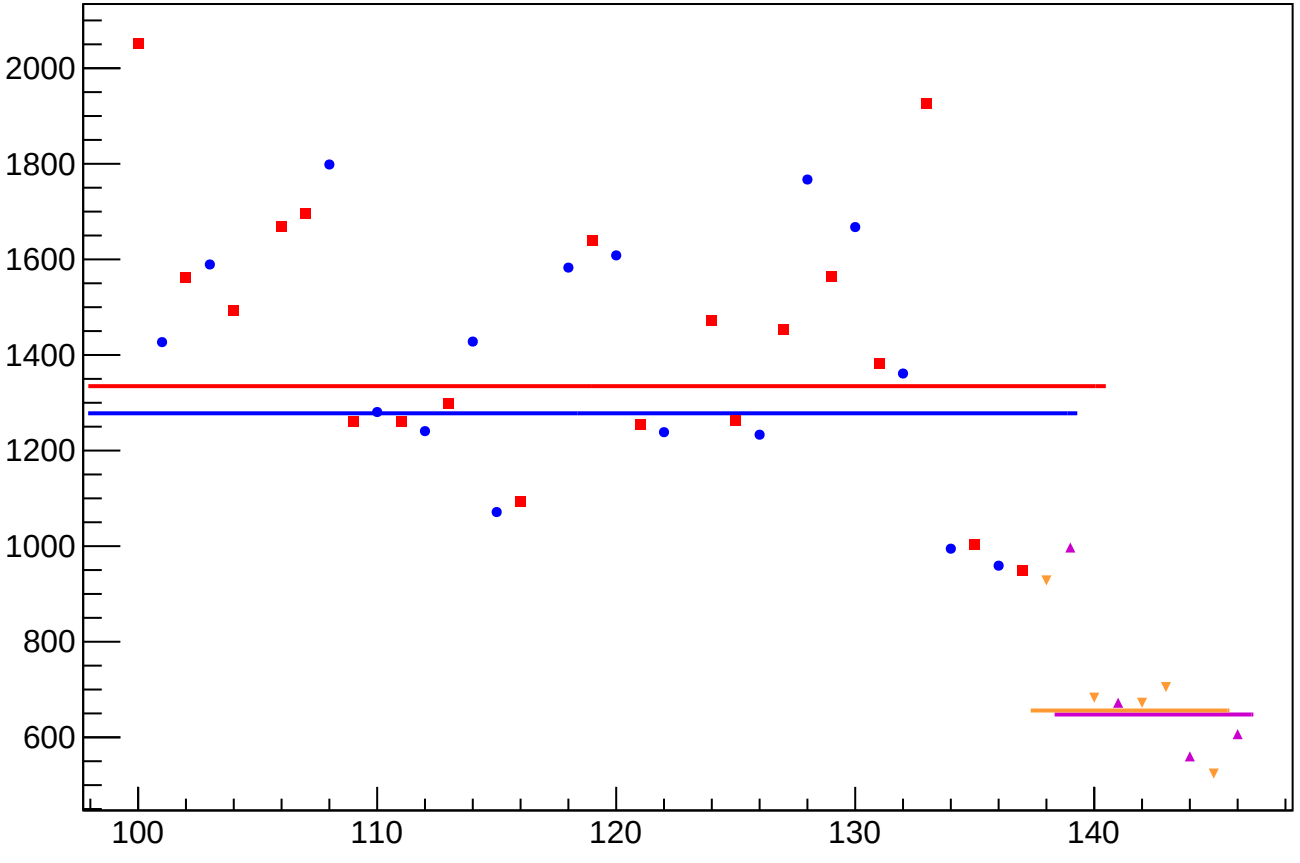
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 68.723+/-286.506 χ^2/NDF:26.1/19

Out: 98.307+/-286.237 χ^2/NDF:27.0/23

All: 83.529+/-202.495 χ^2/NDF: 53.1/43

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 656.120+/-0.247 χ^2/NDF:243126.3/4

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 647.773+/-0.250 χ^2/NDF:260264.1/3

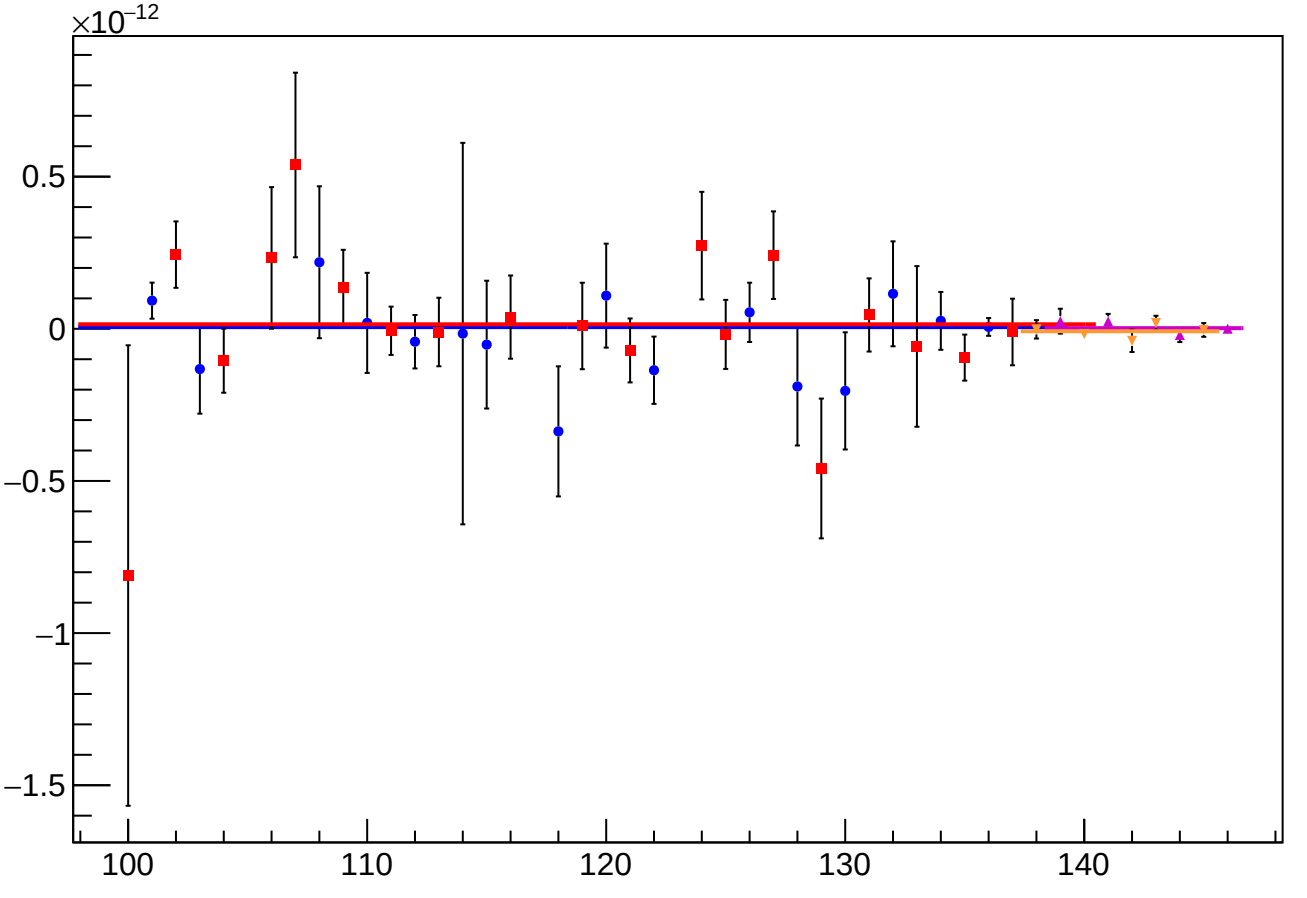
Left: 651.994+/-0.176 χ^2/NDF: 503953.3/8

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 864.786+/-0.203 χ^2/NDF:3042676.0/19

Out: 880.277+/-0.202 χ^2/NDF:3201946.0/23

All: 872.539+/-0.143 χ^2/NDF: 6247548.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/3

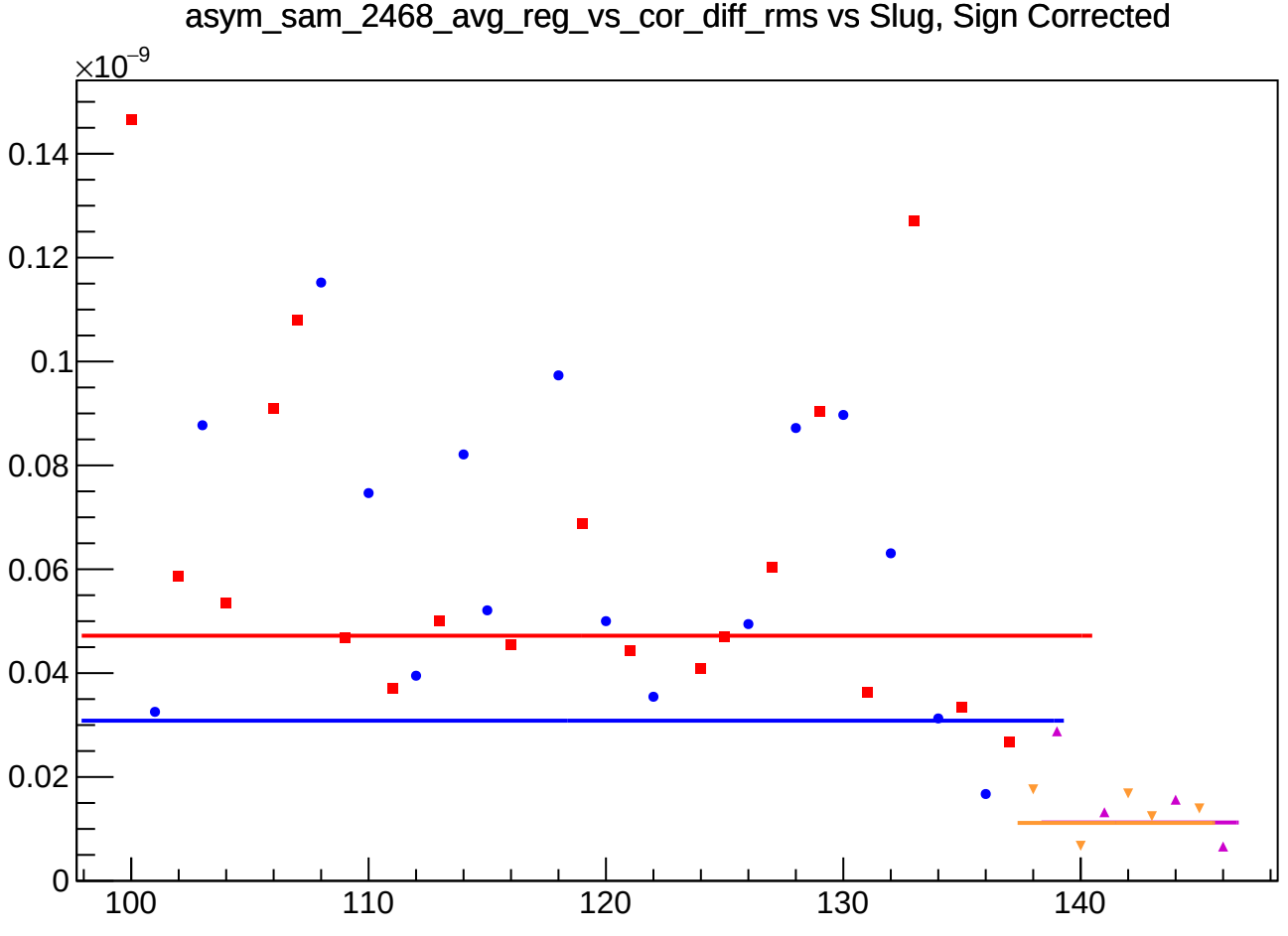
Left: -0.000+/-0.000 χ^2/NDF: 5.0/8

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:13.7/19

Out: -0.000+/-0.000 χ^2/NDF:26.8/23

All: -0.000+/-0.000 χ^2/NDF: 40.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:343312.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:655305.9/3

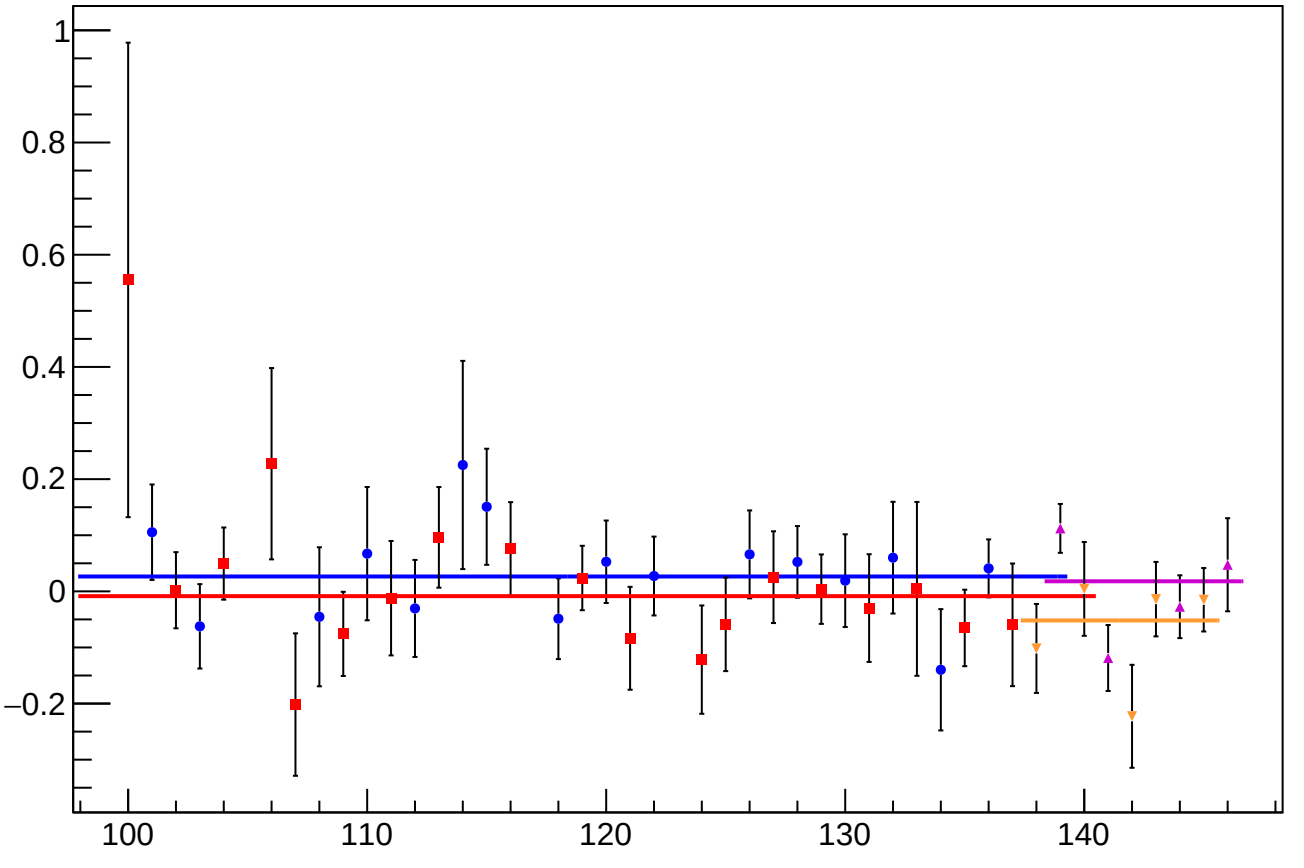
Left: 0.000+/-0.000 χ^2/NDF: 998678.8/8

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:3895823.1/19

Out: 0.000+/-0.000 χ^2/NDF:3888244.0/23

All: 0.000+/-0.000 χ^2/NDF: 7784082.2/43



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.052+/-0.032 χ^2/NDF:5.1/4

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.018+/-0.028 χ^2/NDF:10.9/3

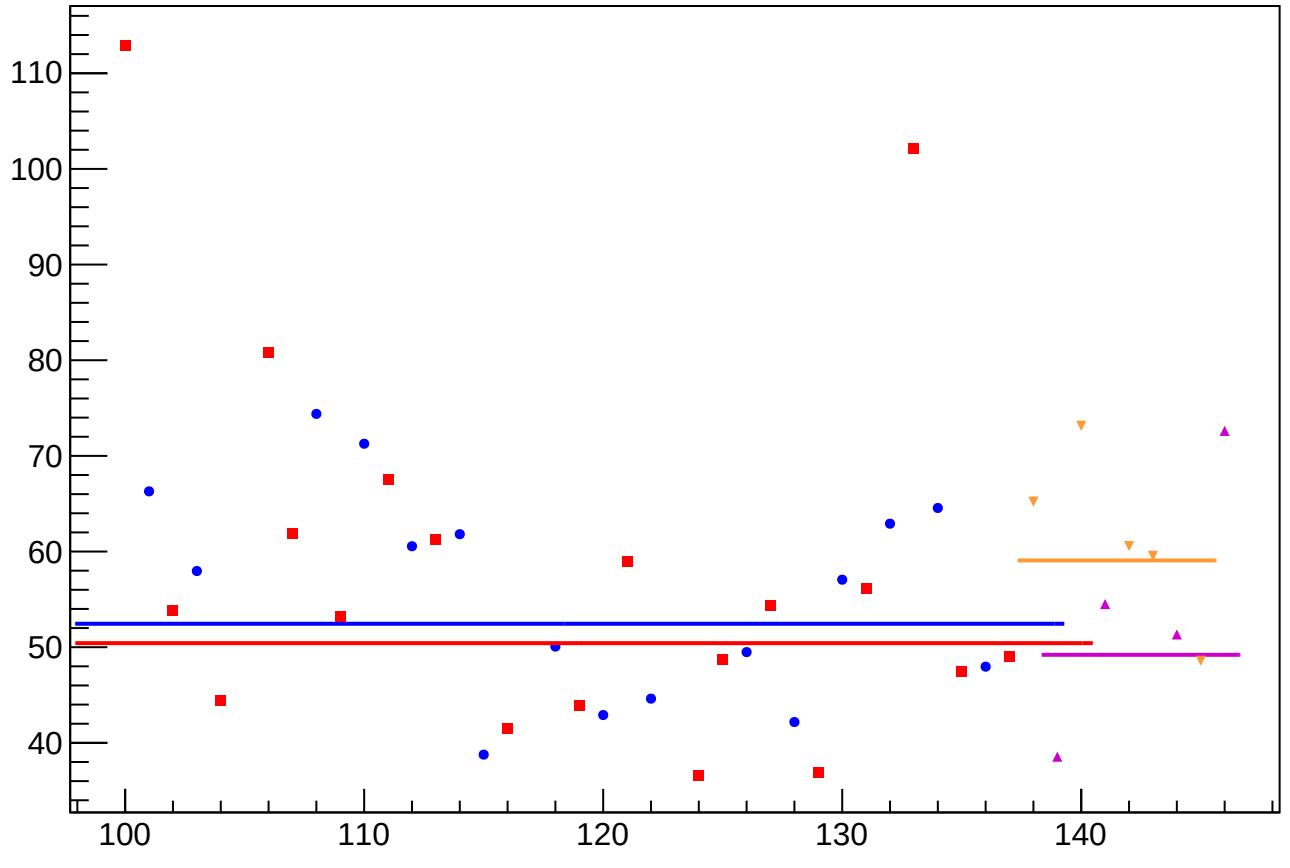
Left: -0.012+/-0.021 χ^2/NDF: 18.6/8

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.016 χ^2/NDF:20.9/19

Out: -0.020+/-0.017 χ^2/NDF:20.3/23

All: 0.002+/-0.012 χ^2/NDF: 44.7/43



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 59.069+/-0.023 χ^2/NDF:138041.3/4

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.206+/-0.020 χ^2/NDF:297966.1/3

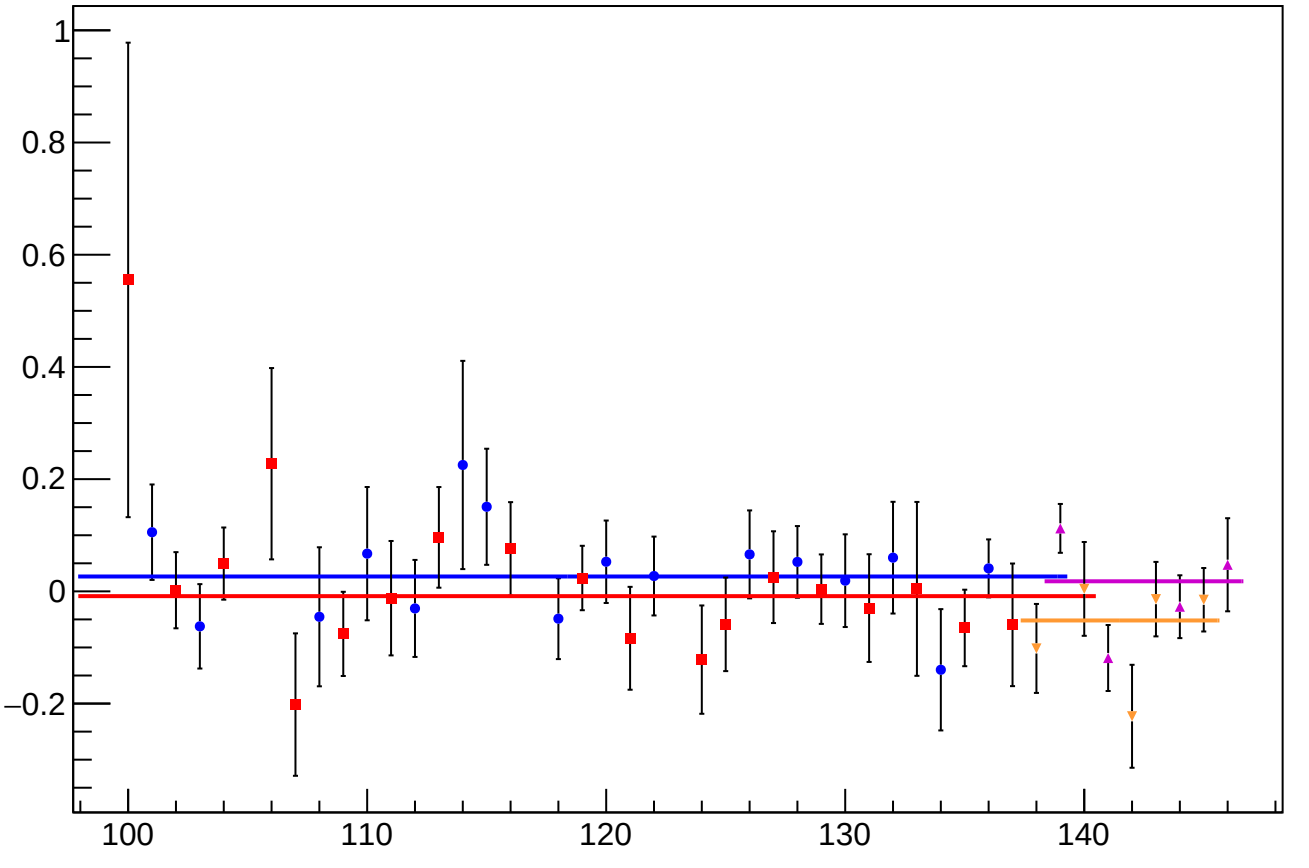
Left: 53.432+/-0.015 χ^2/NDF: 542800.0/8

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.322+/-0.012 χ^2/NDF:733578.4/19

Out: 52.732+/-0.012 χ^2/NDF:920033.6/23

All: 52.019+/-0.008 χ^2/NDF: 1660842.2/43



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.052+/-0.032 χ^2/NDF:5.1/4

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.018+/-0.028 χ^2/NDF:10.9/3

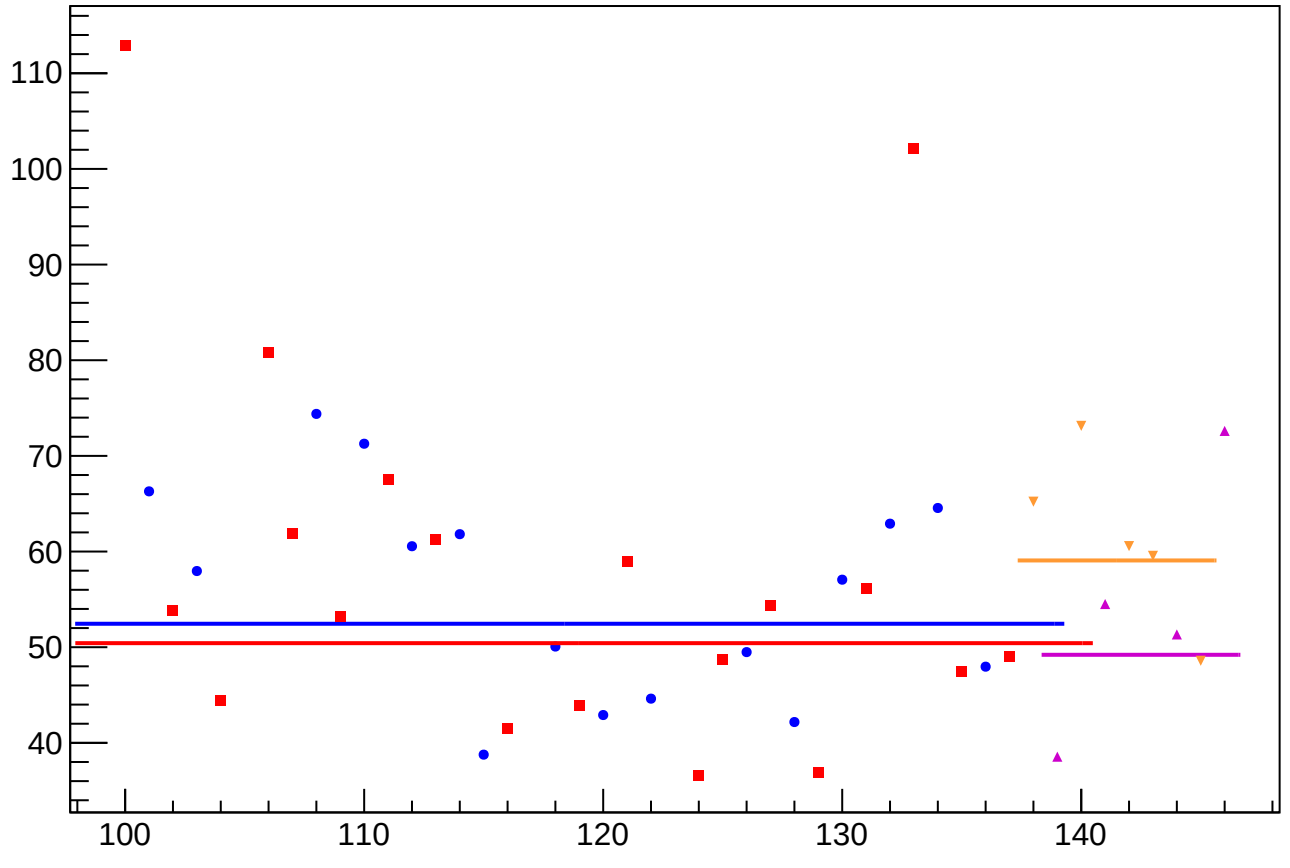
Left: -0.012+/-0.021 χ^2/NDF: 18.6/8

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.016 χ^2/NDF:20.9/19

Out: -0.020+/-0.017 χ^2/NDF:20.3/23

All: 0.002+/-0.012 χ^2/NDF: 44.7/43



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 59.069+/-0.023 χ^2/NDF:138041.3/4

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.206+/-0.020 χ^2/NDF:297966.1/3

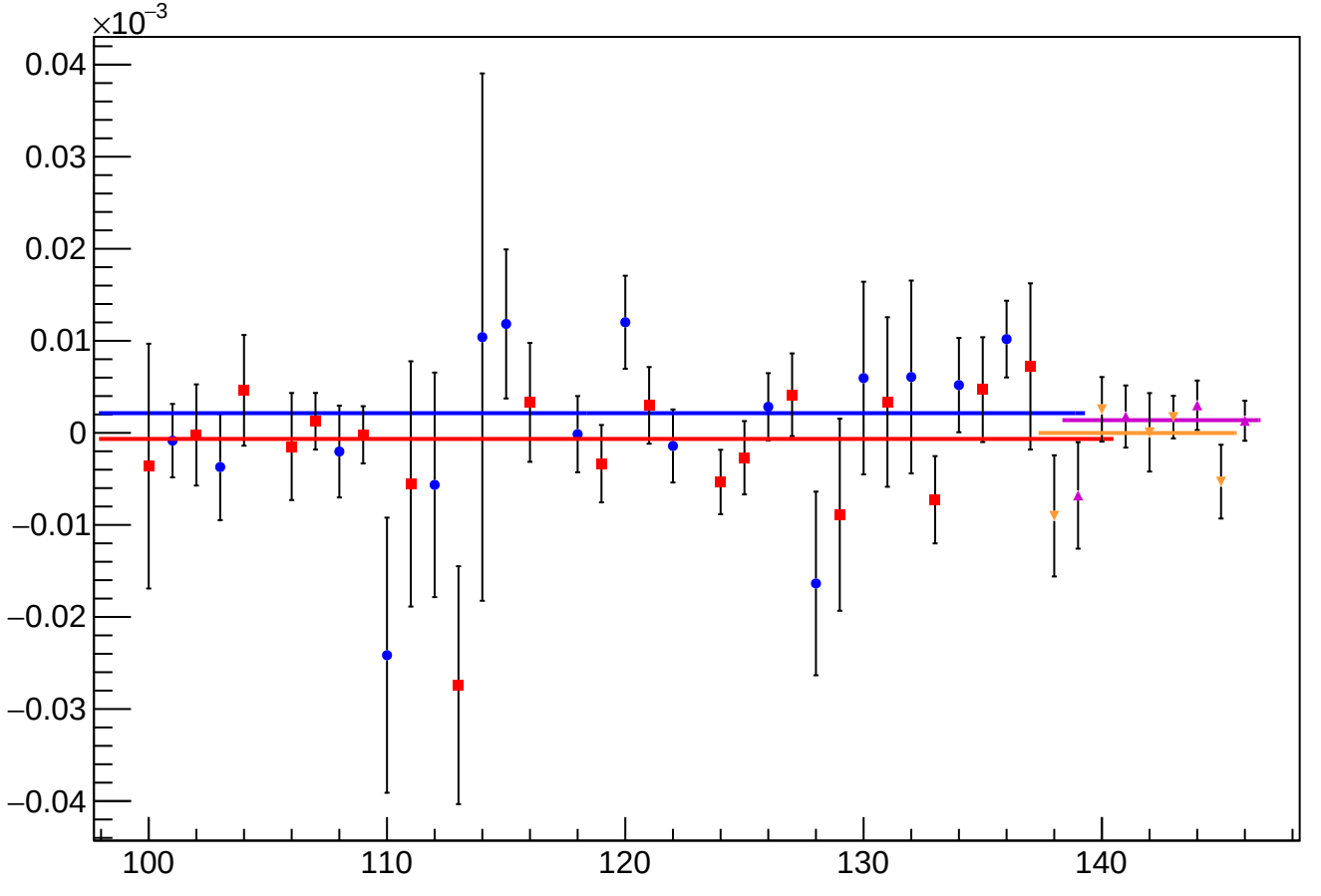
Left: 53.432+/-0.015 χ^2/NDF: 542800.0/8

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.322+/-0.012 χ^2/NDF:733578.4/19

Out: 52.732+/-0.012 χ^2/NDF:920033.6/23

All: 52.019+/-0.008 χ^2/NDF: 1660842.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/4

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/3

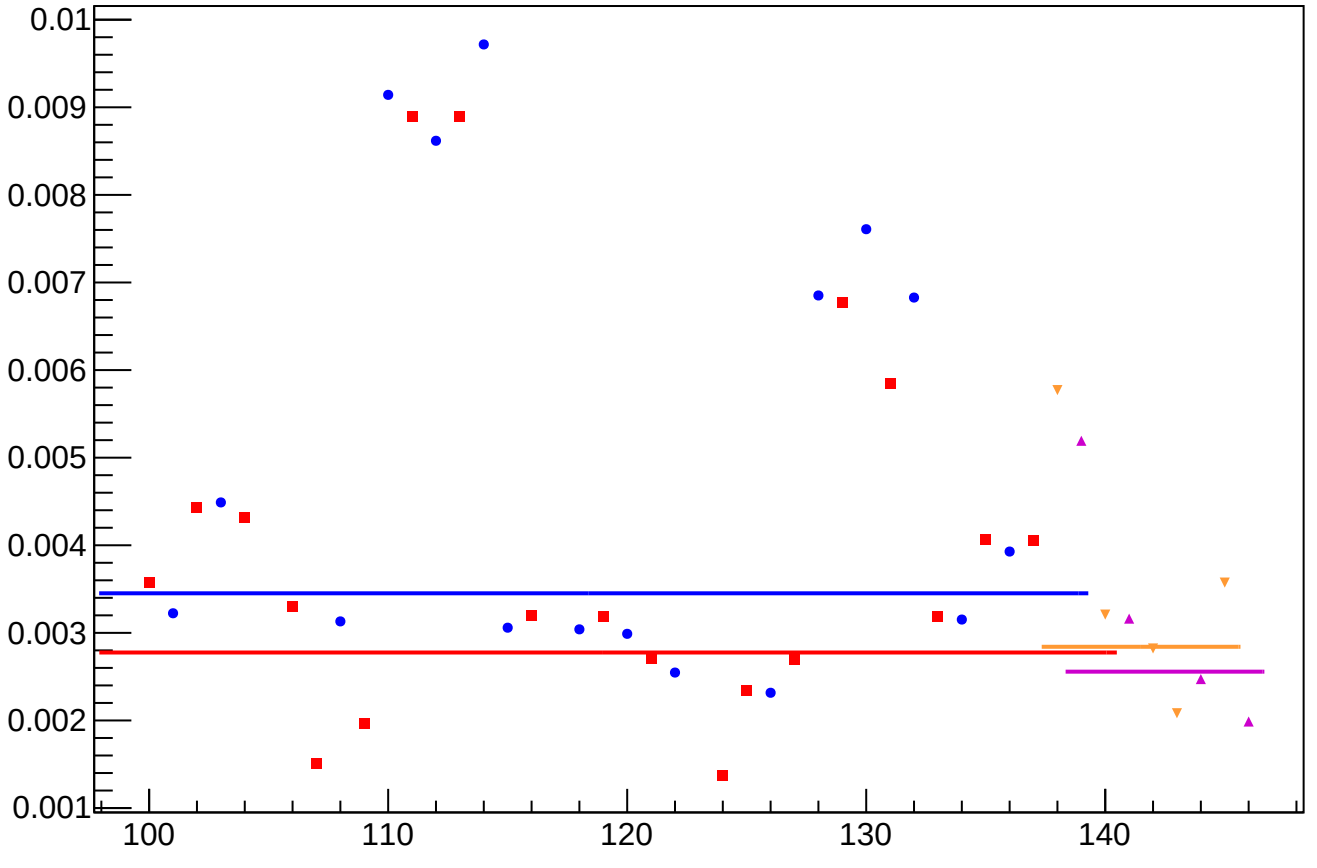
Left: 0.000+/-0.000 χ^2/NDF: 7.5/8

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.6/19

Out: -0.000+/-0.000 χ^2/NDF:19.6/23

All: 0.000+/-0.000 χ^2/NDF: 44.8/43



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:700548.2/4

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:618275.2/3

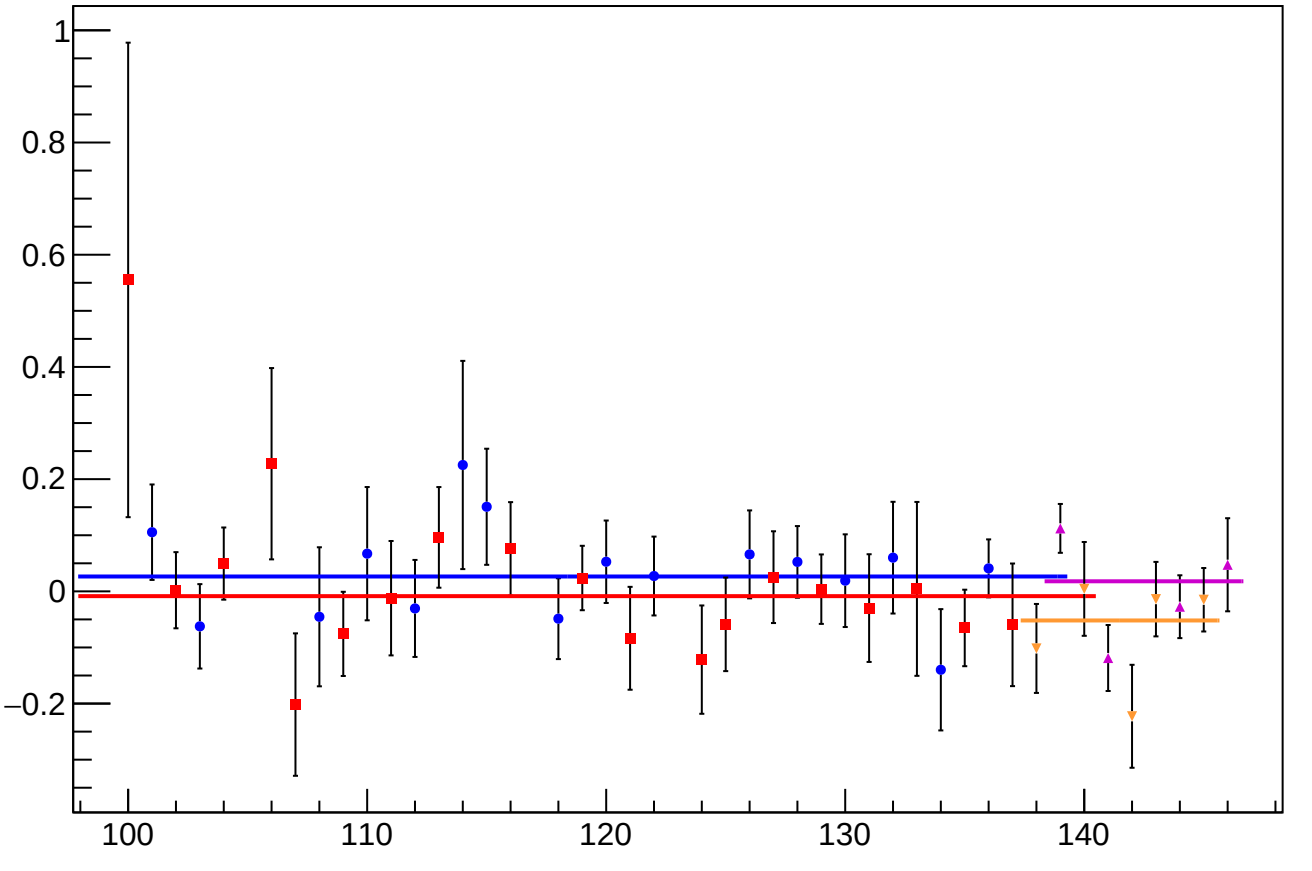
Left: 0.003+/-0.000 χ^2/NDF: 1354006.3/8

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:2963516.6/19

Out: 0.003+/-0.000 χ^2/NDF:3437754.7/23

All: 0.003+/-0.000 χ^2/NDF: 6457855.7/43



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: -0.052+/-0.032 χ^2/NDF:5.1/4

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.018+/-0.028 χ^2/NDF:10.9/3

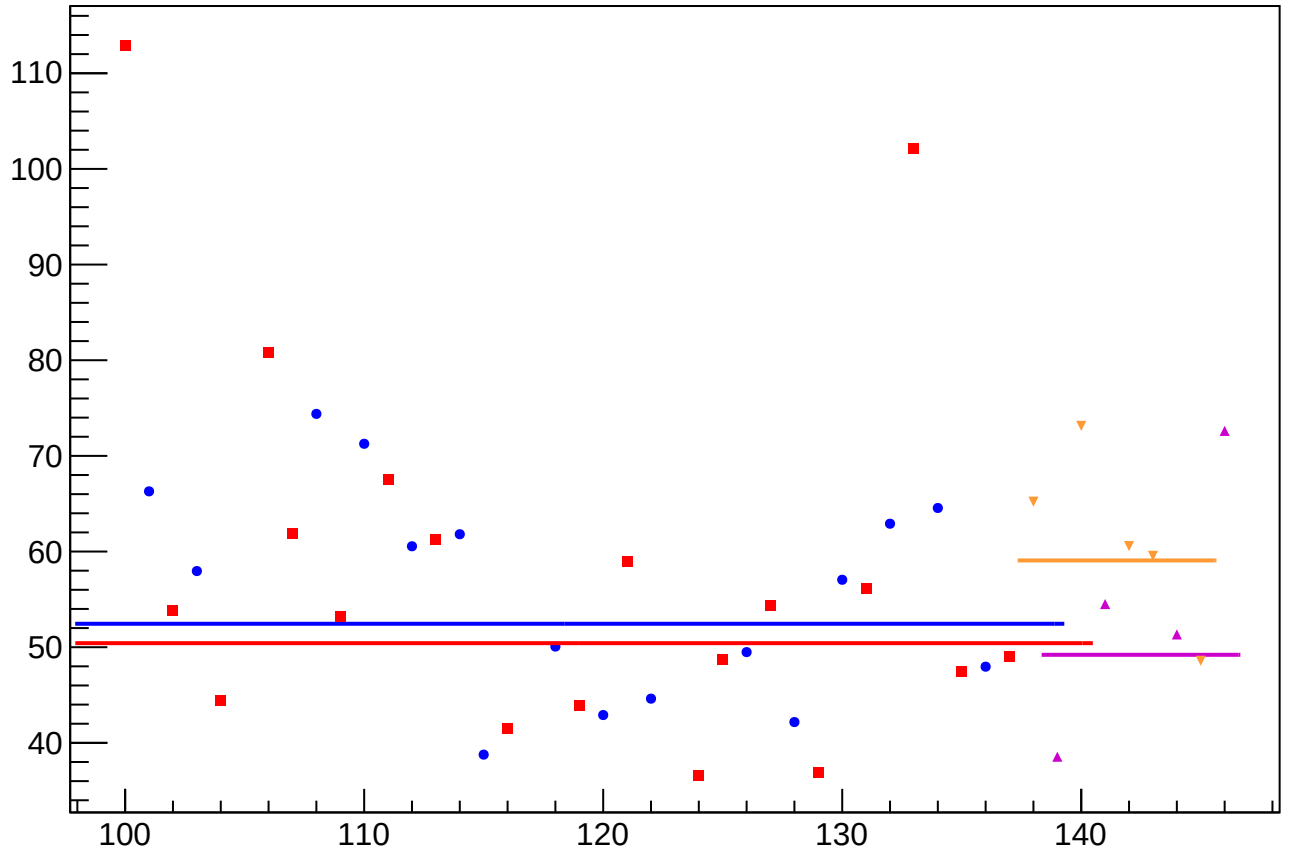
Left: -0.012+/-0.021 χ^2/NDF: 18.6/8

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.016 χ^2/NDF:20.9/19

Out: -0.020+/-0.017 χ^2/NDF:20.3/23

All: 0.002+/-0.012 χ^2/NDF: 44.7/43



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 59.070+/-0.023 χ^2/NDF:138010.1/4

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.205+/-0.020 χ^2/NDF:298004.9/3

Left: 53.433+/-0.015 χ^2/NDF: 542826.1/8

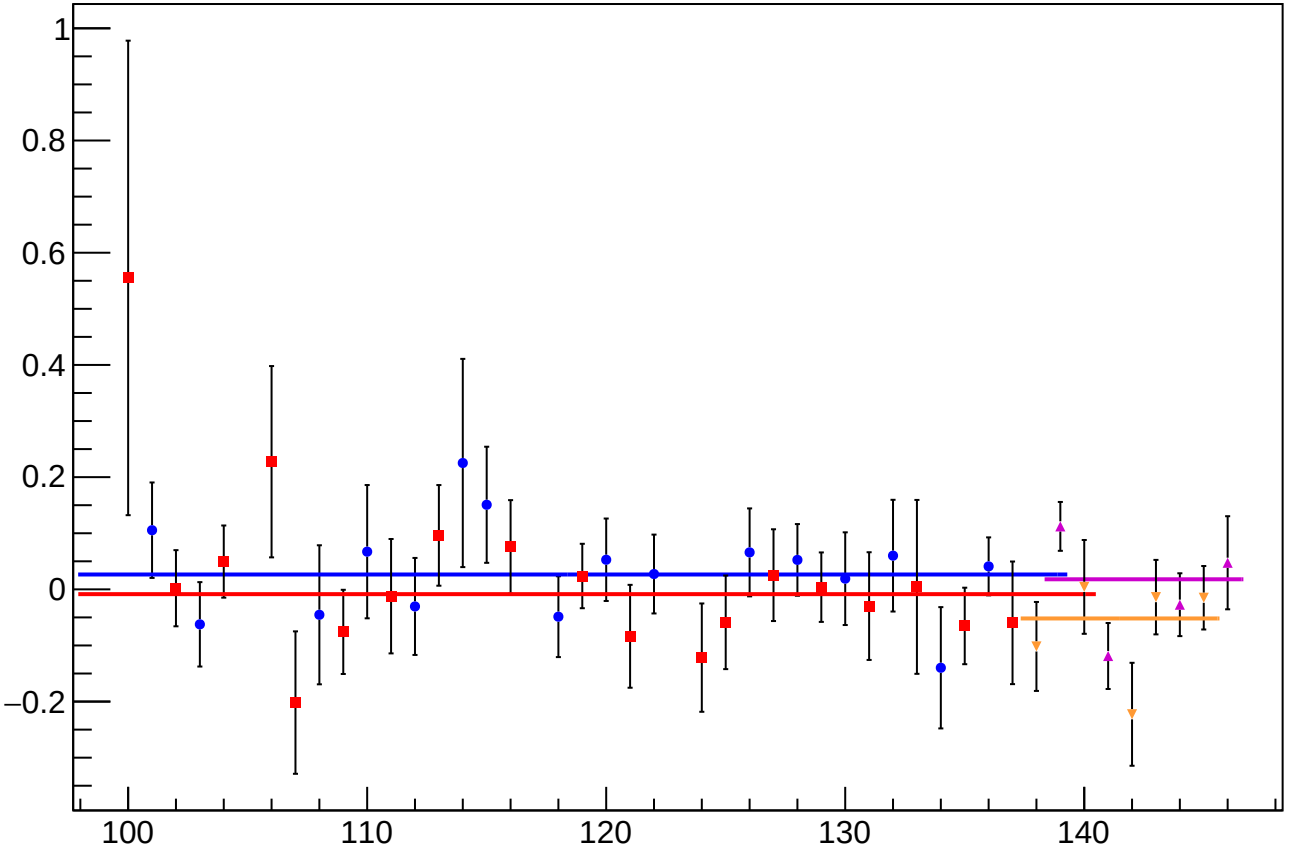
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.322+/-0.012 χ^2/NDF:733560.2/19

Out: 52.731+/-0.012 χ^2/NDF:920052.8/23

All: 52.018+/-0.008 χ^2/NDF: 1660843.8/43

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: -0.052+/-0.032 χ^2/NDF:5.1/4

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.018+/-0.028 χ^2/NDF:10.9/3

Left: -0.012+/-0.021 χ^2/NDF: 18.6/8

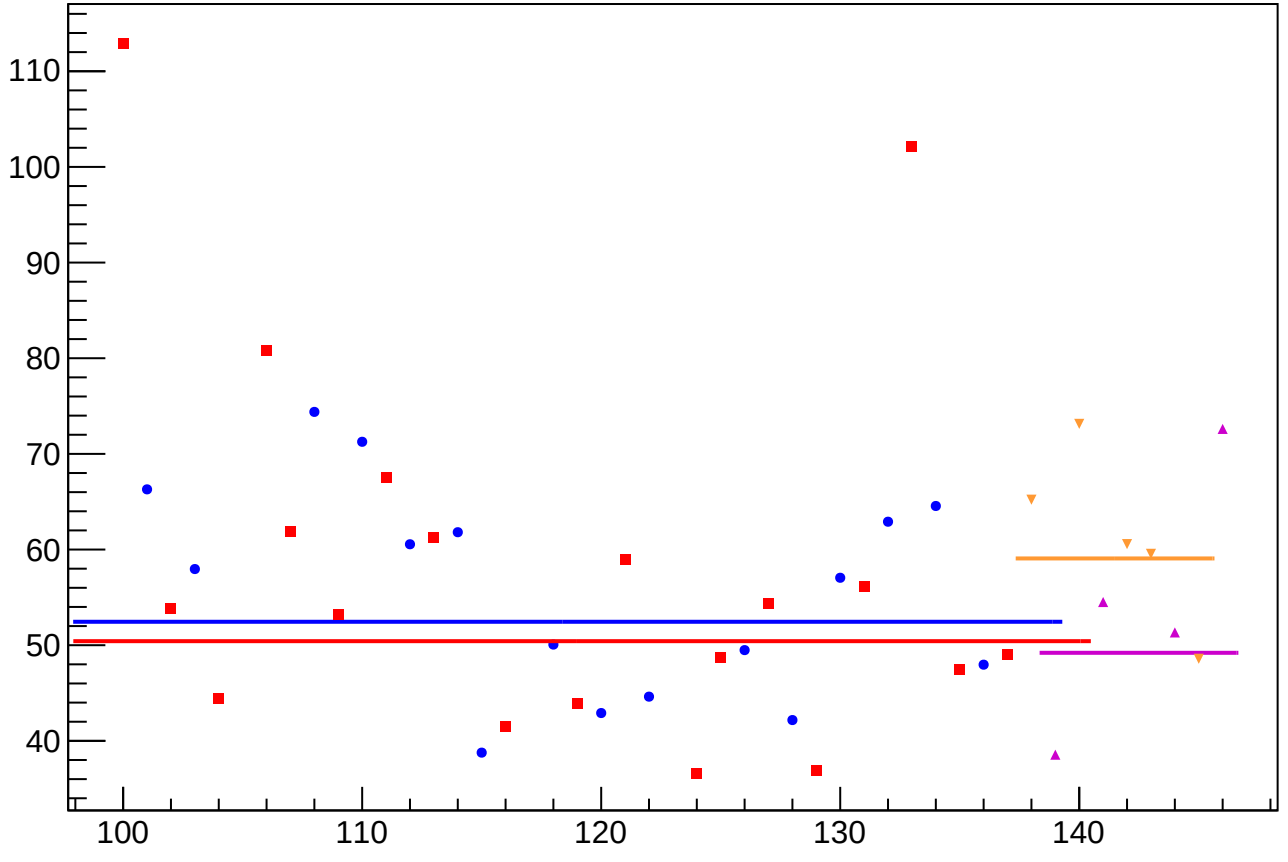
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.016 χ^2/NDF:20.9/19

Out: -0.020+/-0.017 χ^2/NDF:20.3/23

All: 0.002+/-0.012 χ^2/NDF: 44.7/43

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 59.070+/-0.023 χ^2/NDF:138010.1/4

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.205+/-0.020 χ^2/NDF:298004.9/3

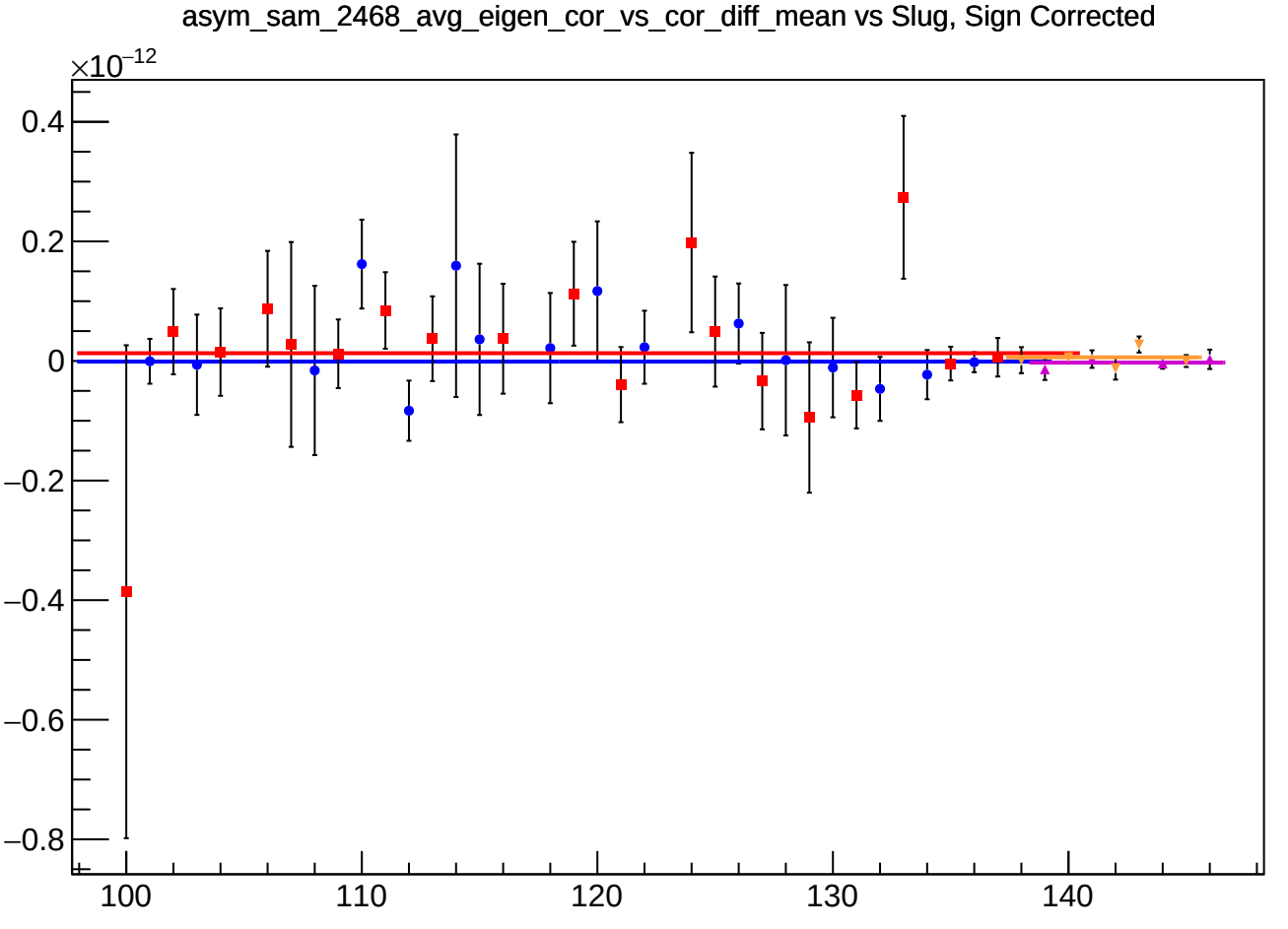
Left: 53.433+/-0.015 χ^2/NDF: 542826.1/8

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.322+/-0.012 χ^2/NDF:733560.2/19

Out: 52.731+/-0.012 χ^2/NDF:920052.8/23

All: 52.018+/-0.008 χ^2/NDF: 1660843.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

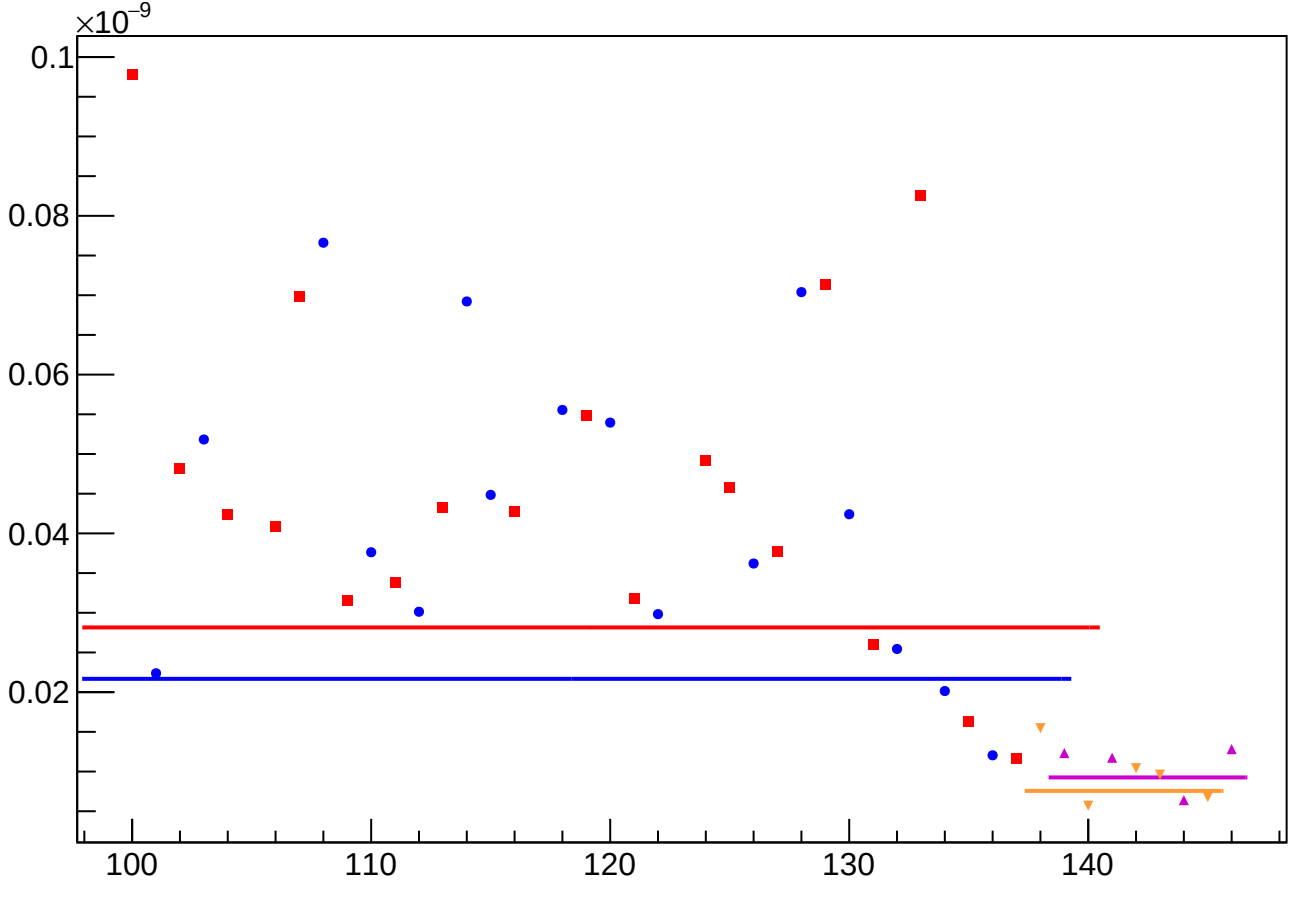
Left: 0.000+/-0.000 χ^2/NDF: 5.7/8

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:12.0/19

Out: 0.000+/-0.000 χ^2/NDF:17.8/23

All: 0.000+/-0.000 χ^2/NDF: 31.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:471649.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:411490.5/3

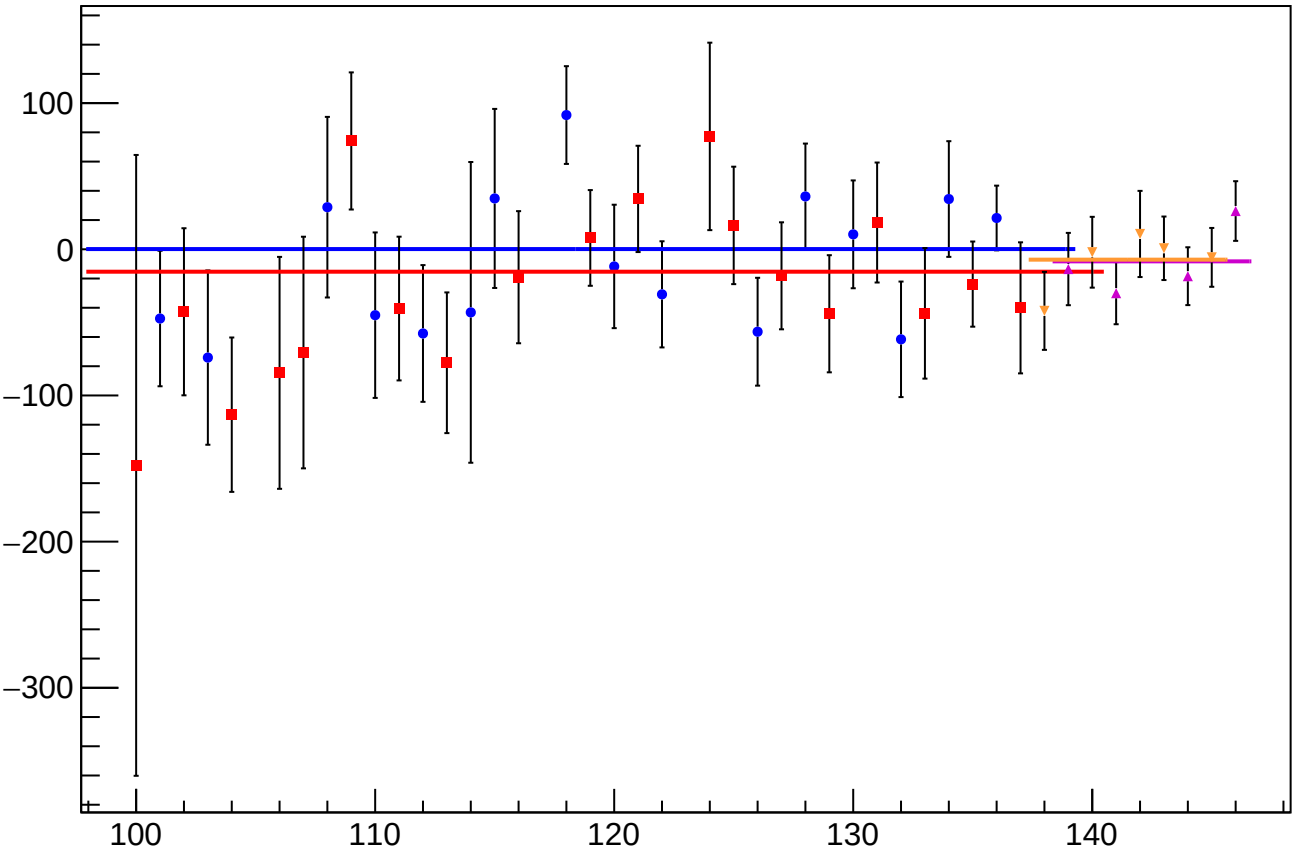
Left: 0.000+/-0.000 χ^2/NDF: 964809.8/8

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:4595015.7/19

Out: 0.000+/-0.000 χ^2/NDF:6407258.1/23

All: 0.000+/-0.000 χ^2/NDF: 11151937.5/43



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.093+/-10.630 χ^2/NDF:2.3/4

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -8.256+/-10.659 χ^2/NDF:4.2/3

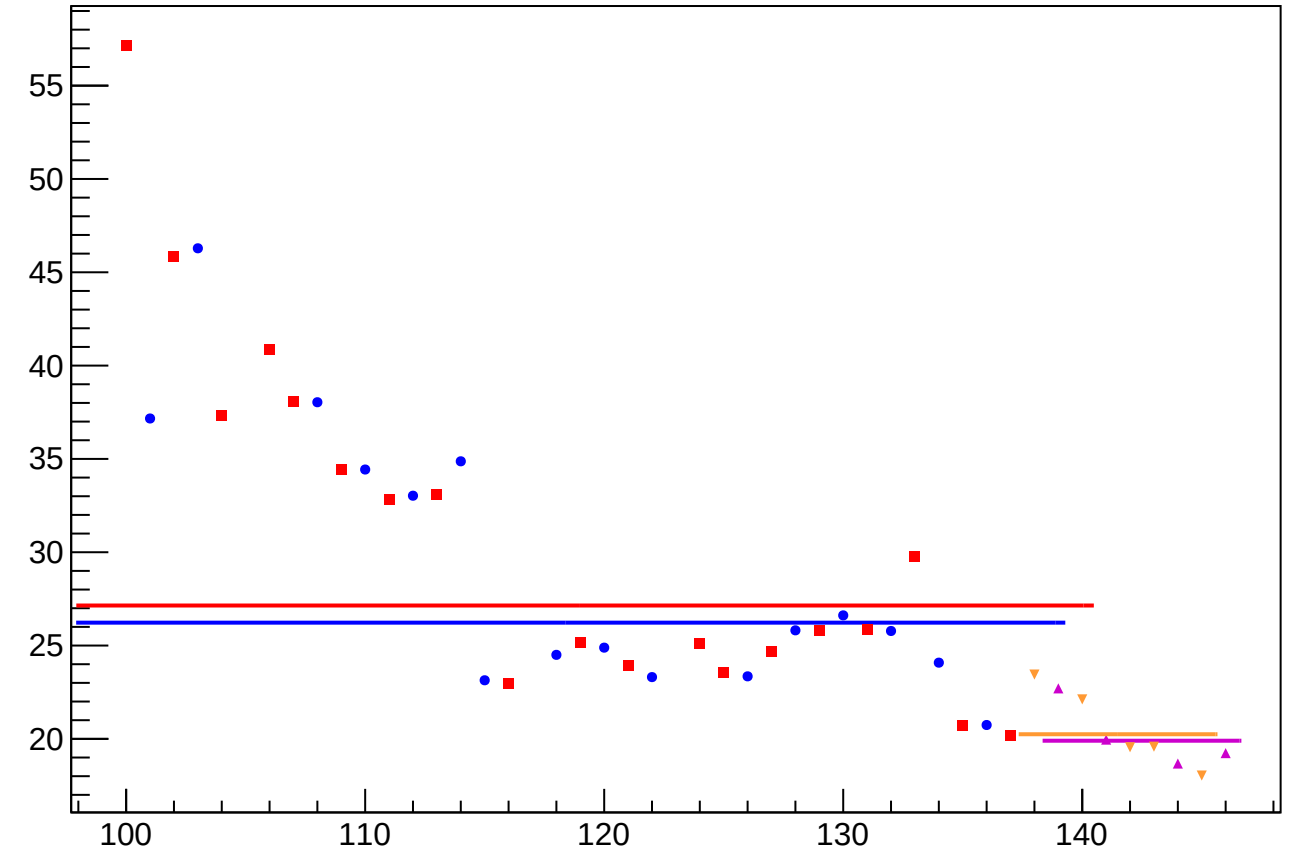
Left: -7.673+/-7.527 χ^2/NDF: 6.5/8

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -3.803+/-7.311 χ^2/NDF:25.9/19

Out: -11.356+/-7.385 χ^2/NDF:20.5/23

All: -7.541+/-5.196 χ^2/NDF: 46.9/43



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.248+/-0.008 χ^2/NDF:67820.1/4

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

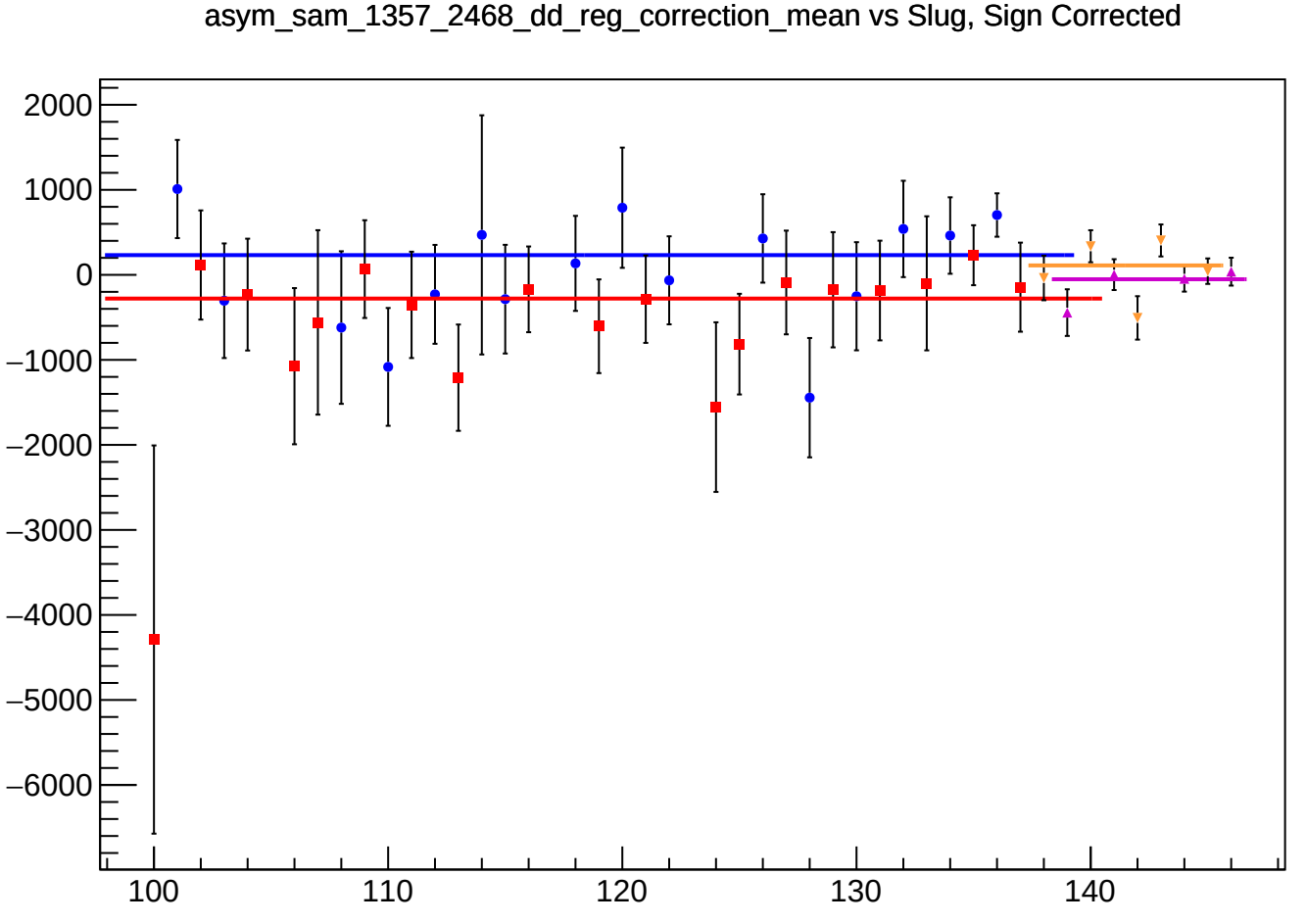
Left: 20.075+/-0.005 χ^2/NDF: 104380.1/8

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 23.250+/-0.005 χ^2/NDF:1084574.9/19

Out: 23.816+/-0.005 χ^2/NDF:1258893.6/23

All: 23.531+/-0.004 χ^2/NDF: 2349404.3/43



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 110.943+/-87.416 χ^2/NDF:10.2/4

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -51.663+/-89.512 χ^2/NDF:2.4/3

Left: 31.566+/-62.541 χ^2/NDF: 14.4/8

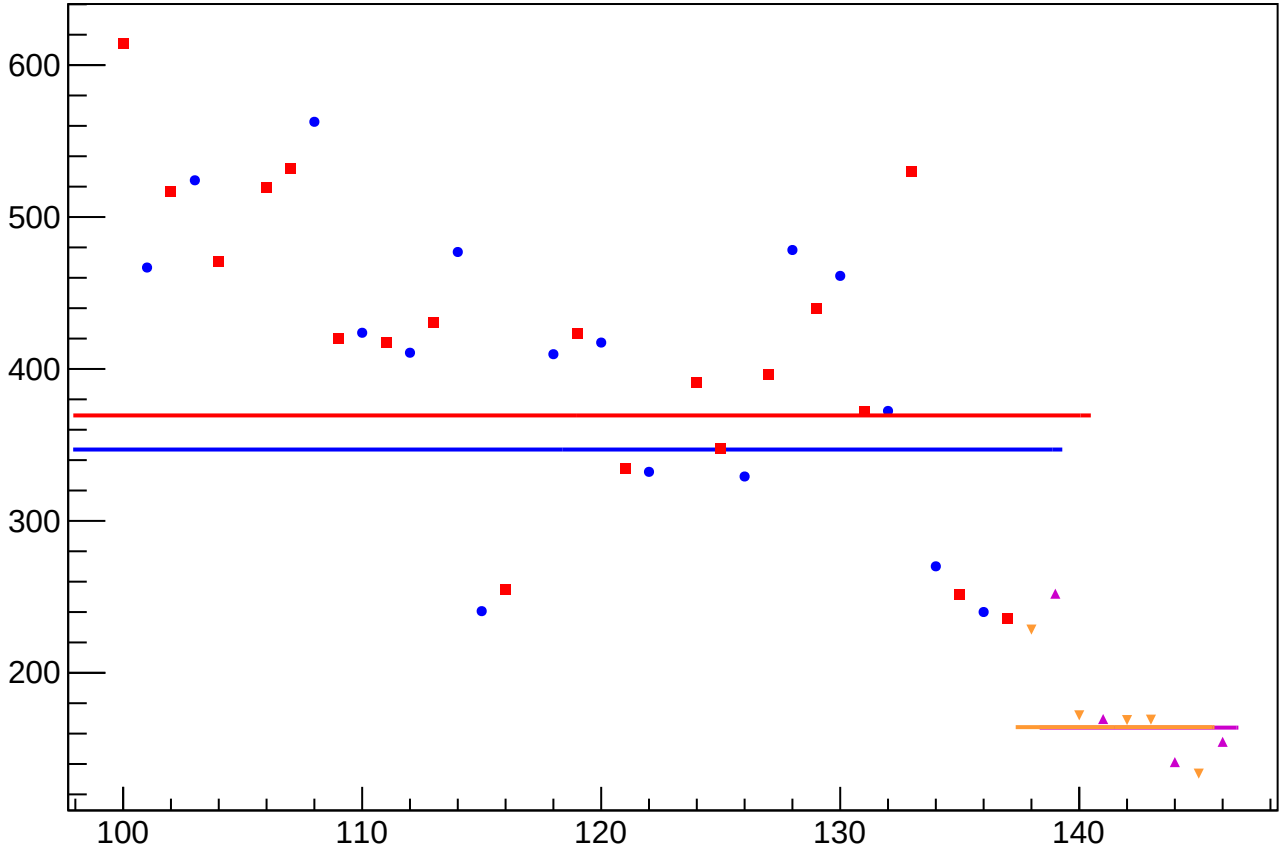
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 35.106+/-74.581 χ^2/NDF:25.2/19

Out: 1.508+/-74.144 χ^2/NDF:27.9/23

All: 18.208+/-52.581 χ^2/NDF: 53.2/43

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: 164.256+/-0.062 χ^2/NDF:208989.7/4

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 163.938+/-0.063 χ^2/NDF:260068.9/3

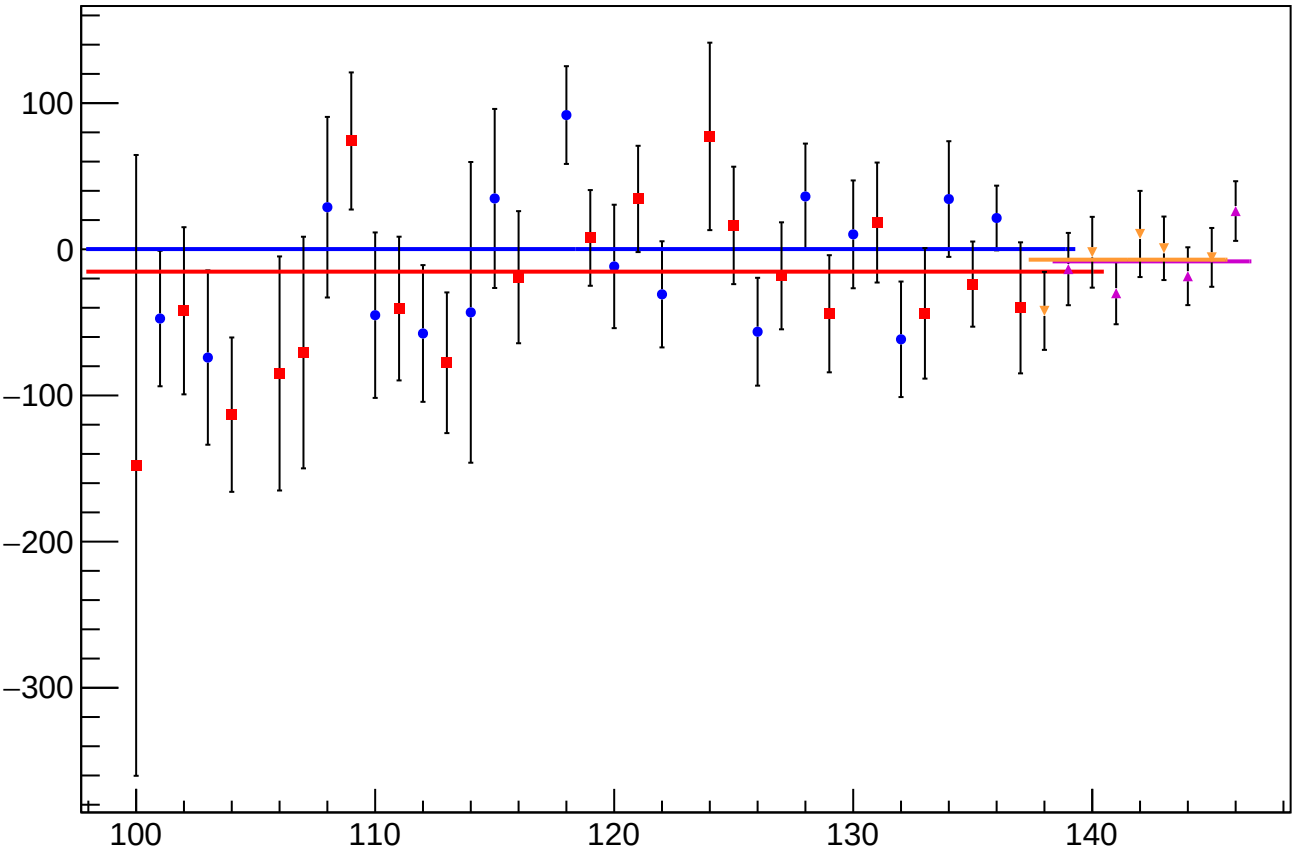
Left: 164.101+/-0.044 χ^2/NDF: 469071.5/8

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 219.907+/-0.053 χ^2/NDF:3875126.7/19

Out: 221.825+/-0.052 χ^2/NDF:4218965.6/23

All: 220.871+/-0.037 χ^2/NDF: 8094757.5/43



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.096+/-10.630 χ^2/NDF:2.3/4

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -8.260+/-10.659 χ^2/NDF:4.2/3

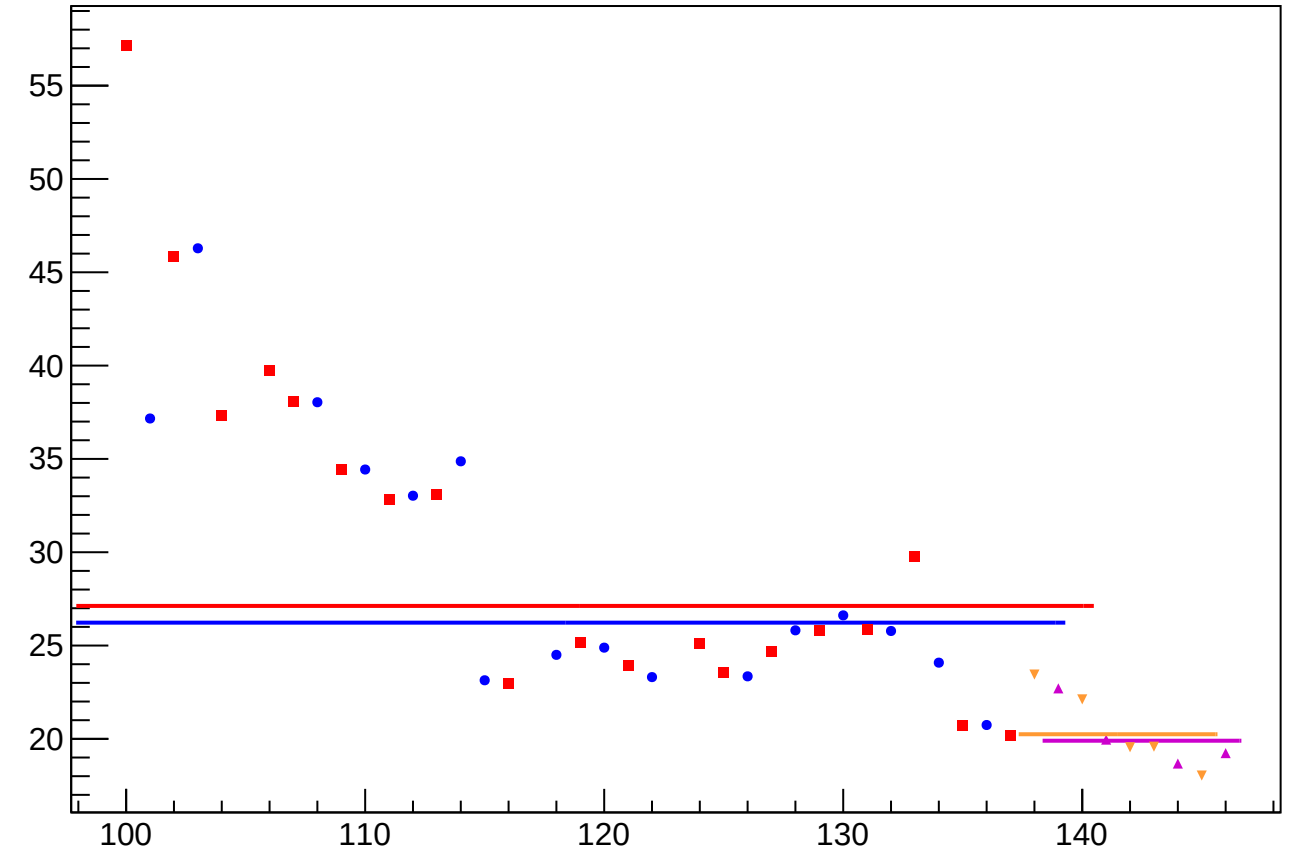
Left: -7.677+/-7.527 χ^2/NDF: 6.5/8

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -3.803+/-7.311 χ^2/NDF:25.9/19

Out: -11.336+/-7.386 χ^2/NDF:20.5/23

All: -7.531+/-5.196 χ^2/NDF: 46.9/43



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.248+/-0.008 χ^2/NDF:67820.1/4

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

Left: 20.075+/-0.005 χ^2/NDF: 104380.1/8

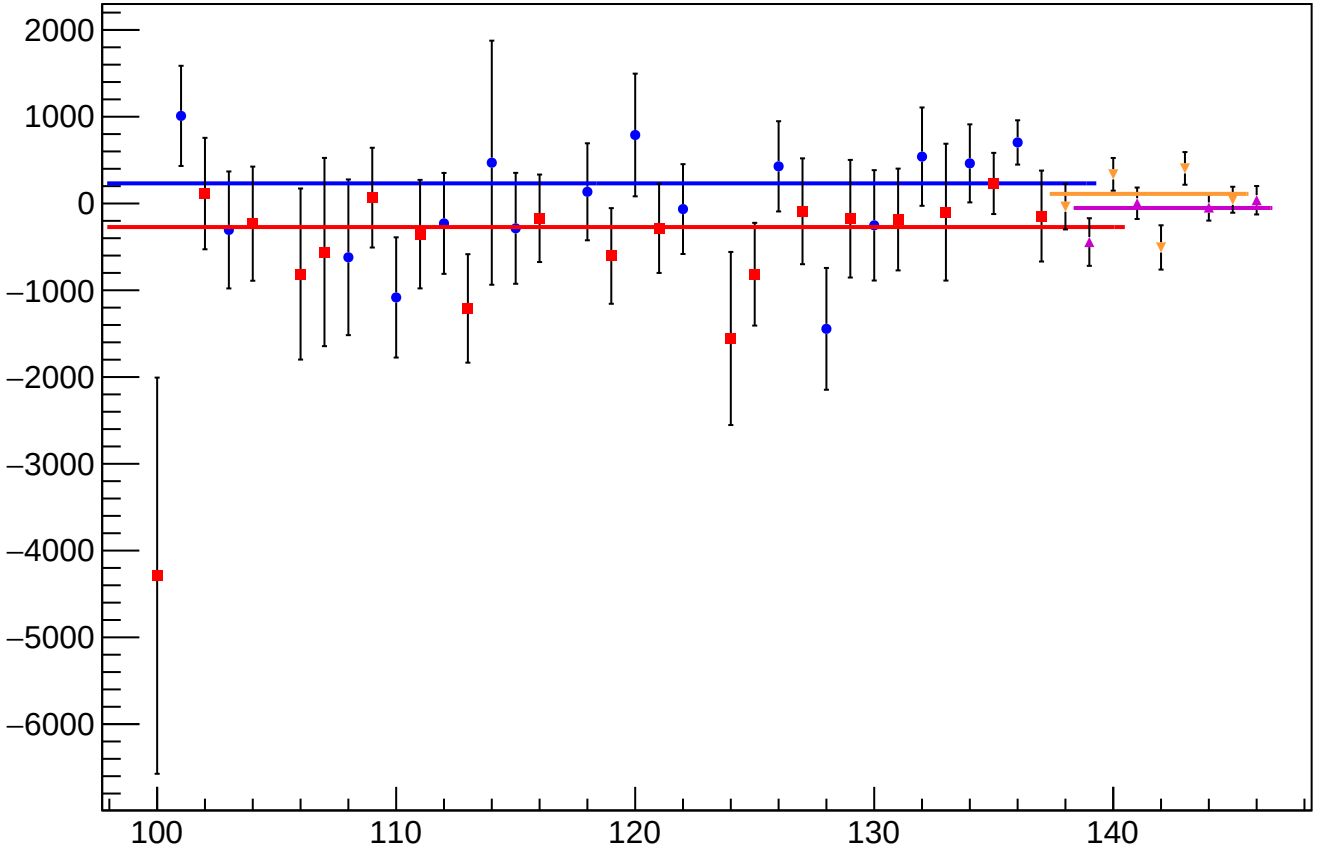
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 23.250+/-0.005 χ^2/NDF:1084578.3/19

Out: 23.805+/-0.005 χ^2/NDF:1246316.3/23

All: 23.525+/-0.004 χ^2/NDF: 2336582.7/43

asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 110.939+/-87.416 χ^2/NDF:10.2/4

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -51.666+/-89.512 χ^2/NDF:2.4/3

Left: 31.563+/-62.541 χ^2/NDF: 14.4/8

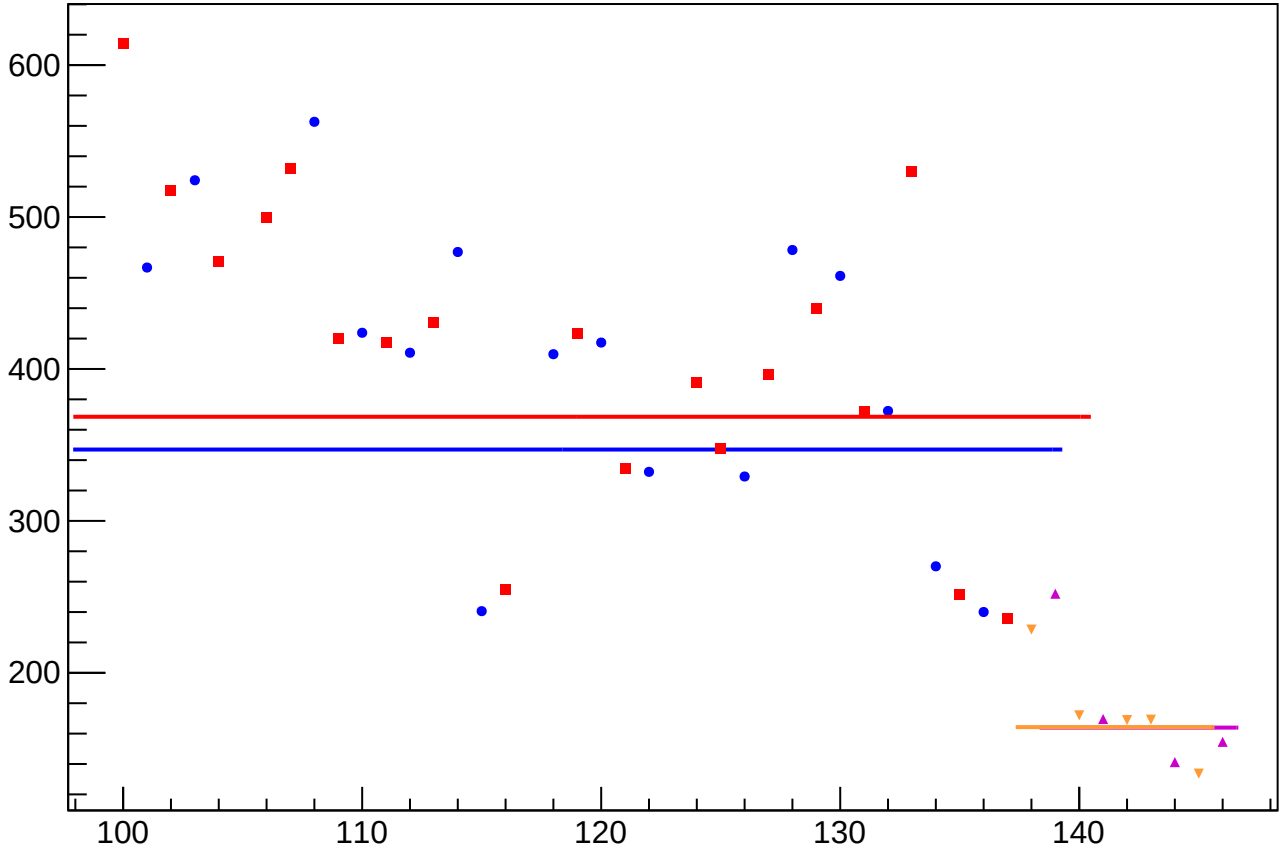
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 35.101+/-74.581 χ^2/NDF:25.2/19

Out: 3.886+/-74.176 χ^2/NDF:27.2/23

All: 19.409+/-52.593 χ^2/NDF: 52.4/43

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: 164.255+/-0.062 χ^2/NDF:208989.8/4

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 163.938+/-0.063 χ^2/NDF:260067.9/3

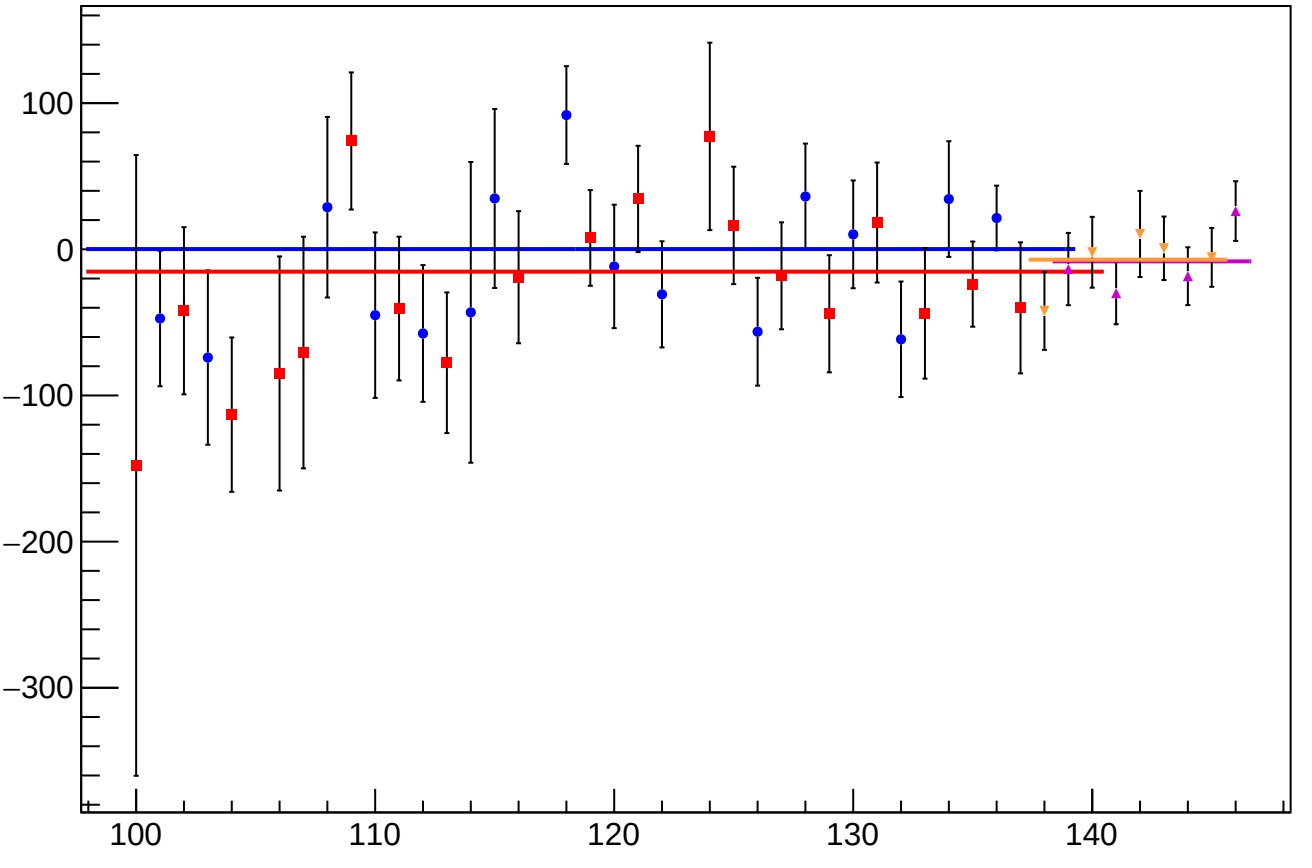
Left: 164.100+/-0.044 χ^2/NDF: 469070.6/8

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.907+/-0.053 χ^2/NDF:3875148.0/19

Out: 221.453+/-0.052 χ^2/NDF:4167423.0/23

All: 220.684+/-0.037 χ^2/NDF: 8043003.2/43



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -7.096+/-10.630 χ^2/NDF:2.3/4

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -8.260+/-10.659 χ^2/NDF:4.2/3

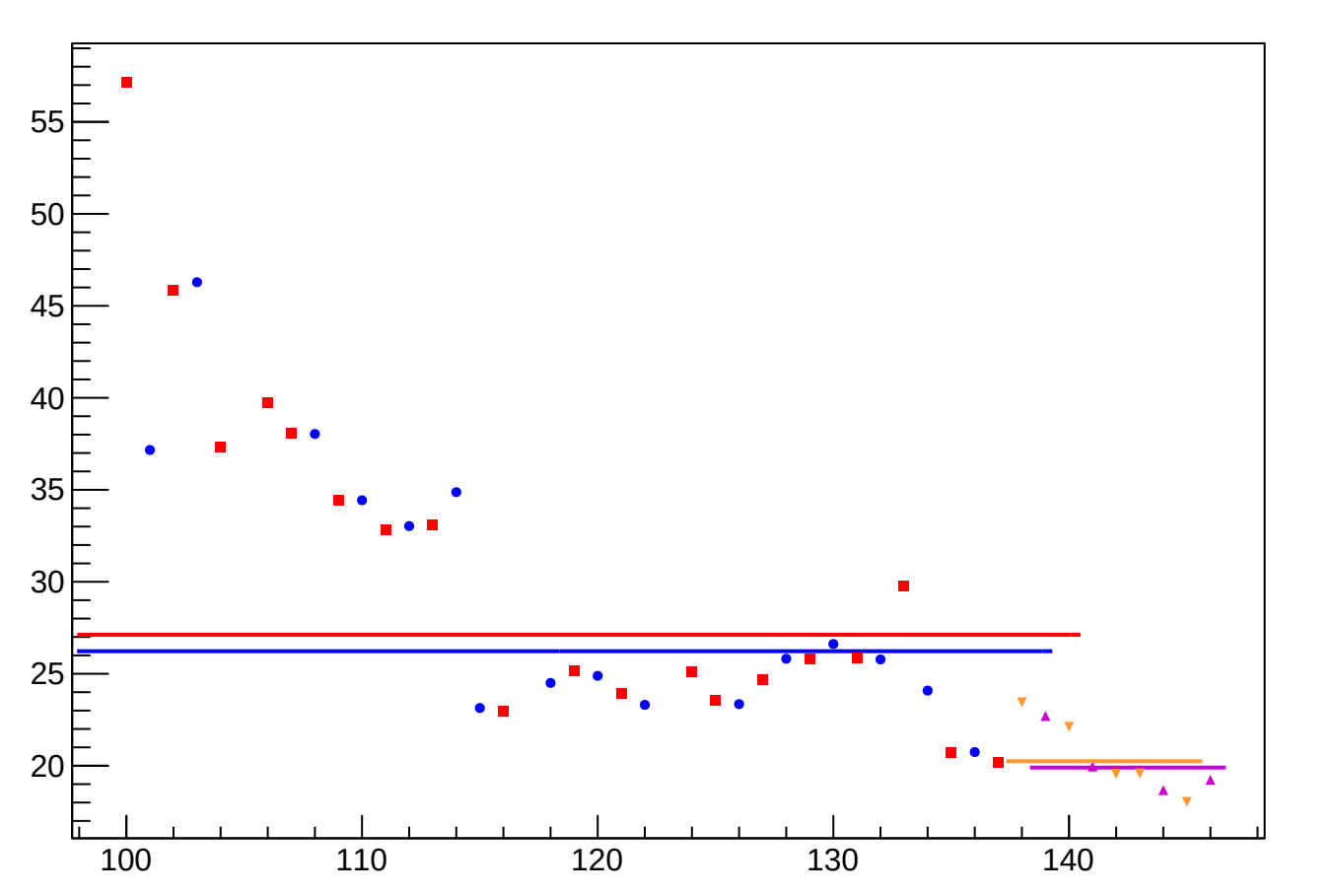
Left: -7.677+/-7.527 χ^2/NDF: 6.5/8

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -3.803+/-7.311 χ^2/NDF:25.9/19

Out: -11.336+/-7.386 χ^2/NDF:20.5/23

All: -7.531+/-5.196 χ^2/NDF: 46.9/43



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.248+/-0.008 χ^2/NDF:67820.1/4

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

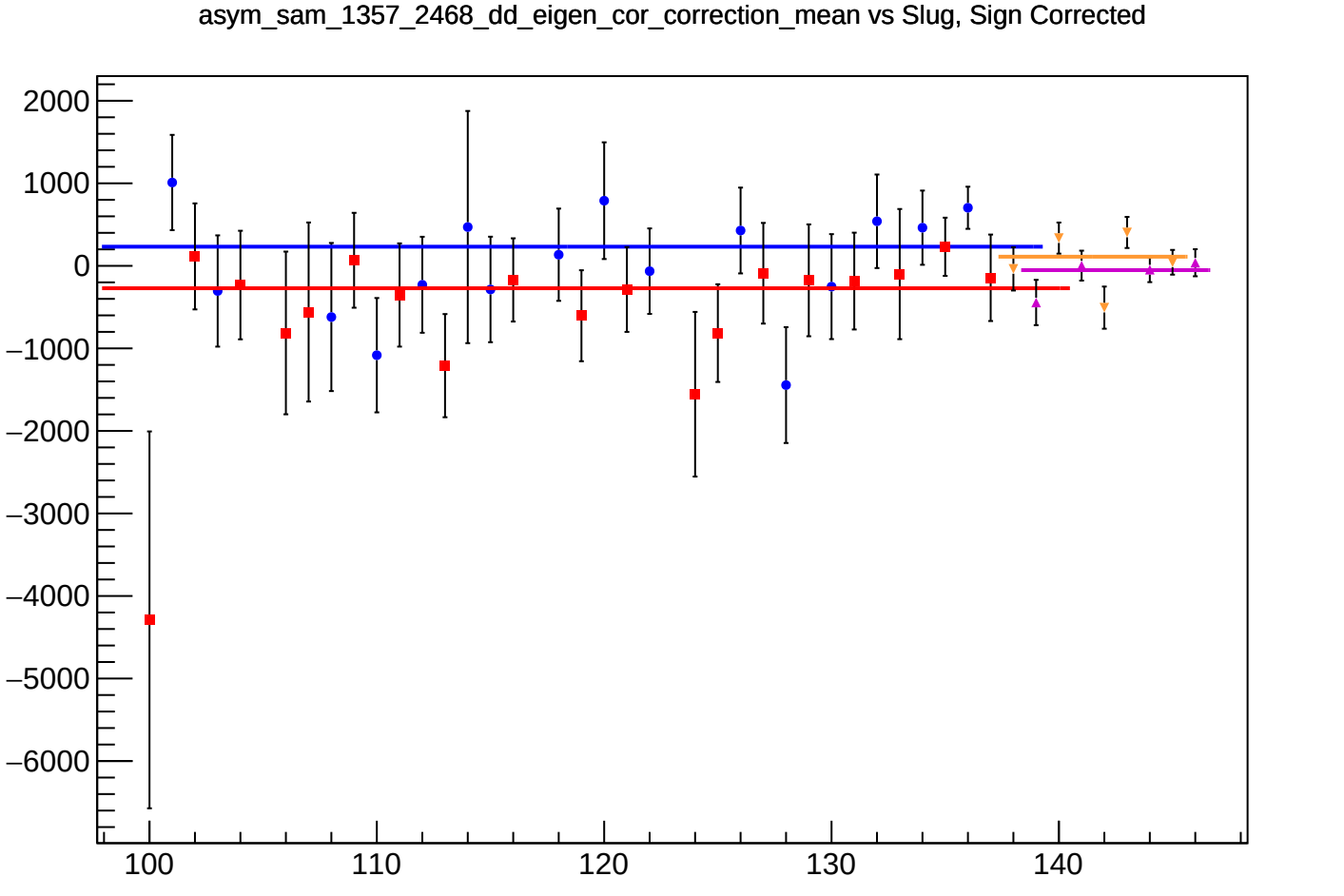
Left: 20.075+/-0.005 χ^2/NDF: 104380.1/8

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 23.250+/-0.005 χ^2/NDF:1084578.3/19

Out: 23.805+/-0.005 χ^2/NDF:1246316.3/23

All: 23.525+/-0.004 χ^2/NDF: 2336582.7/43



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 110.939+/-87.416 χ^2/NDF:10.2/4

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -51.666+/-89.512 χ^2/NDF:2.4/3

Left: 31.563+/-62.541 χ^2/NDF: 14.4/8

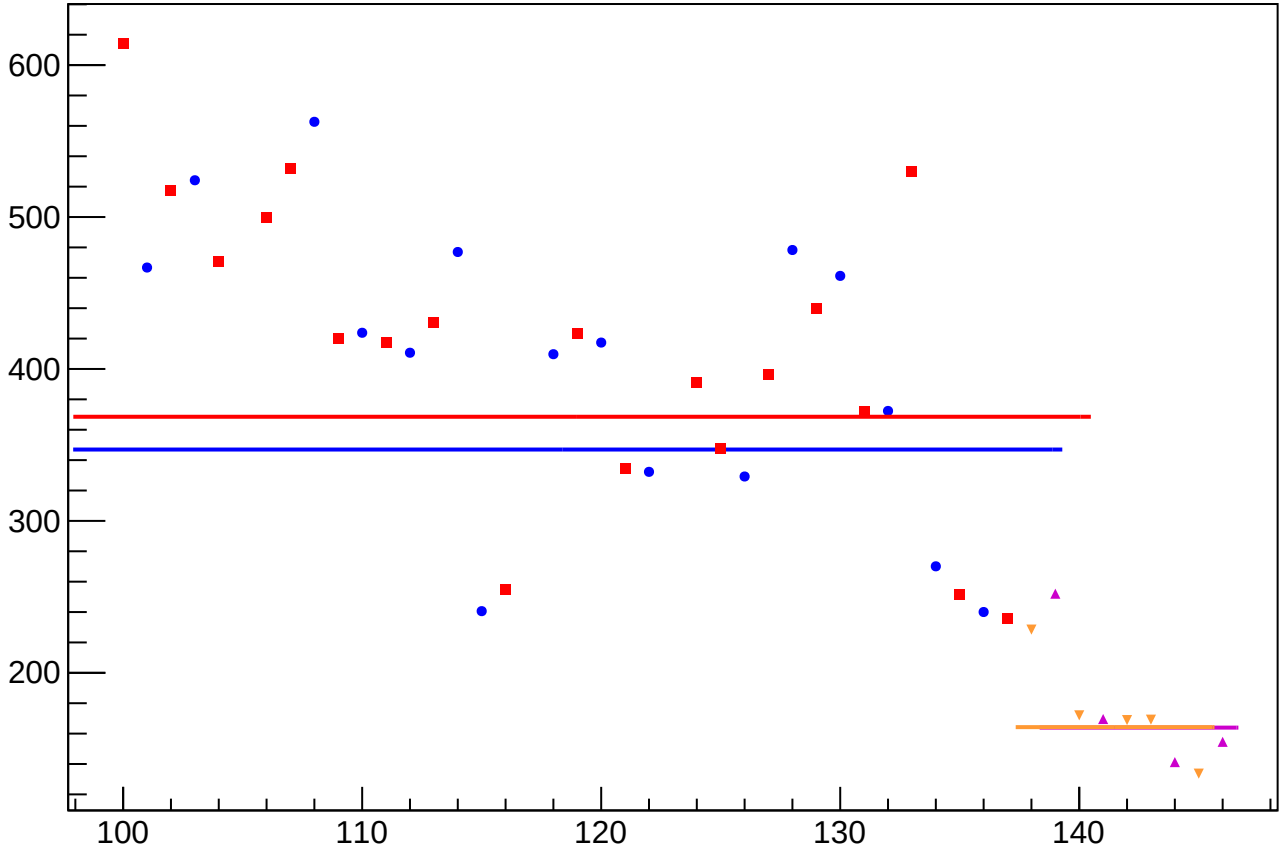
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 35.101+/-74.581 χ^2/NDF:25.2/19

Out: 3.886+/-74.176 χ^2/NDF:27.2/23

All: 19.409+/-52.593 χ^2/NDF: 52.4/43

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: 164.255+/-0.062 χ^2/NDF:208989.8/4

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 163.938+/-0.063 χ^2/NDF:260067.9/3

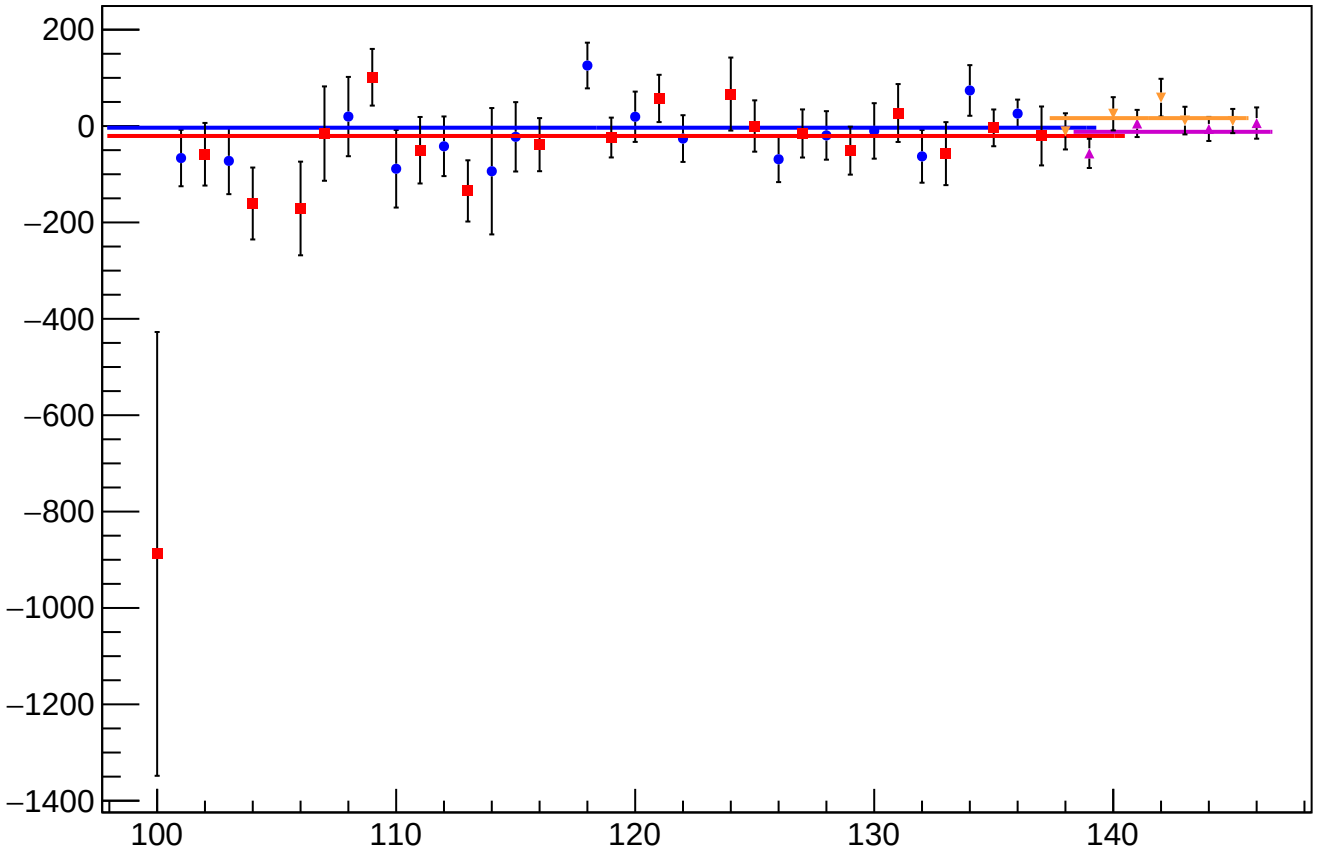
Left: 164.100+/-0.044 χ^2/NDF: 469070.6/8

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.907+/-0.053 χ^2/NDF:3875148.0/19

Out: 221.453+/-0.052 χ^2/NDF:4167423.0/23

All: 220.684+/-0.037 χ^2/NDF: 8043003.2/43



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 16.458+/-14.134 χ^2/NDF:1.9/4

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.963+/-14.282 χ^2/NDF:2.9/3

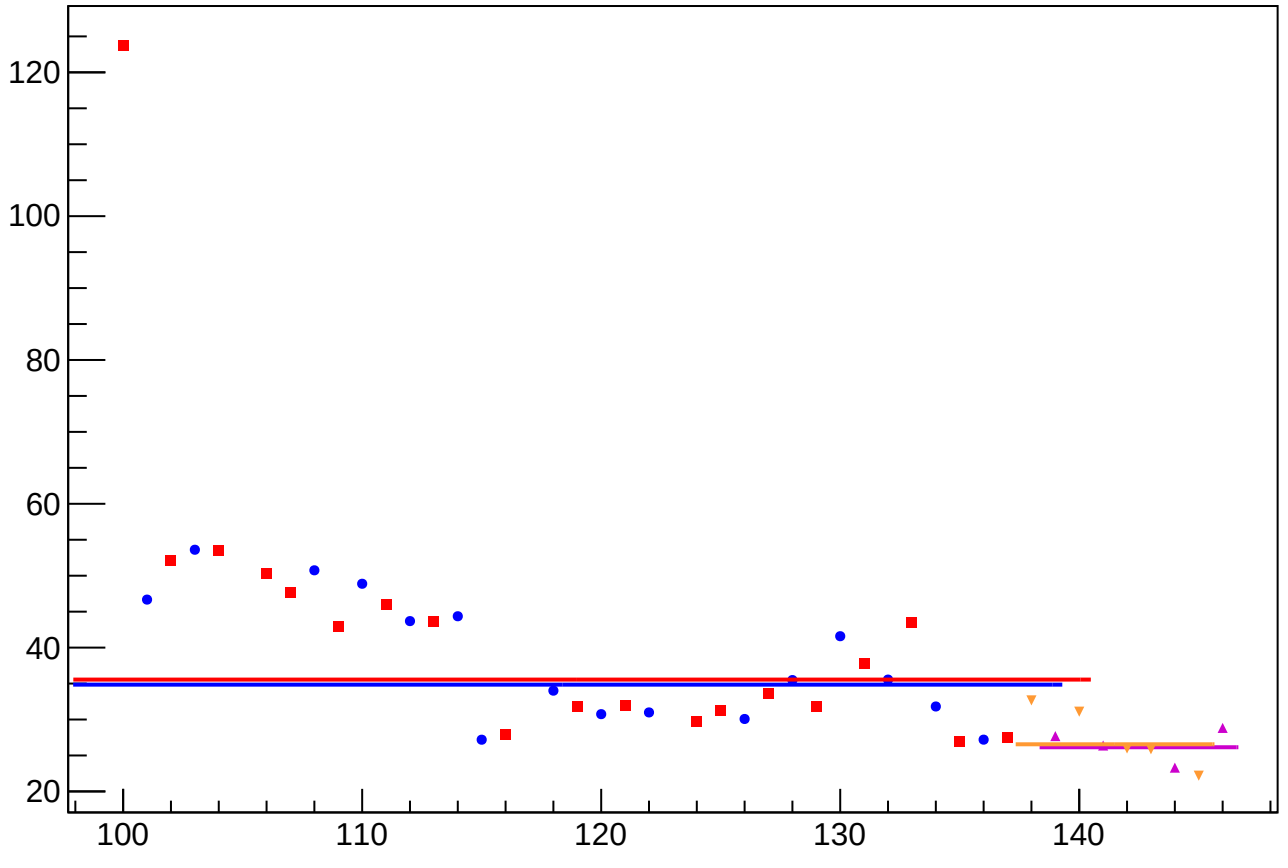
Left: 2.396+/-10.046 χ^2/NDF: 6.8/8

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.419+/-9.769 χ^2/NDF:21.6/19

Out: -2.939+/-9.753 χ^2/NDF:28.6/23

All: -5.175+/-6.902 χ^2/NDF: 50.3/43



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.555+/-0.010 χ^2/NDF:149605.0/4

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.143+/-0.010 χ^2/NDF:44932.3/3

Left: 26.351+/-0.007 χ^2/NDF: 195375.6/8

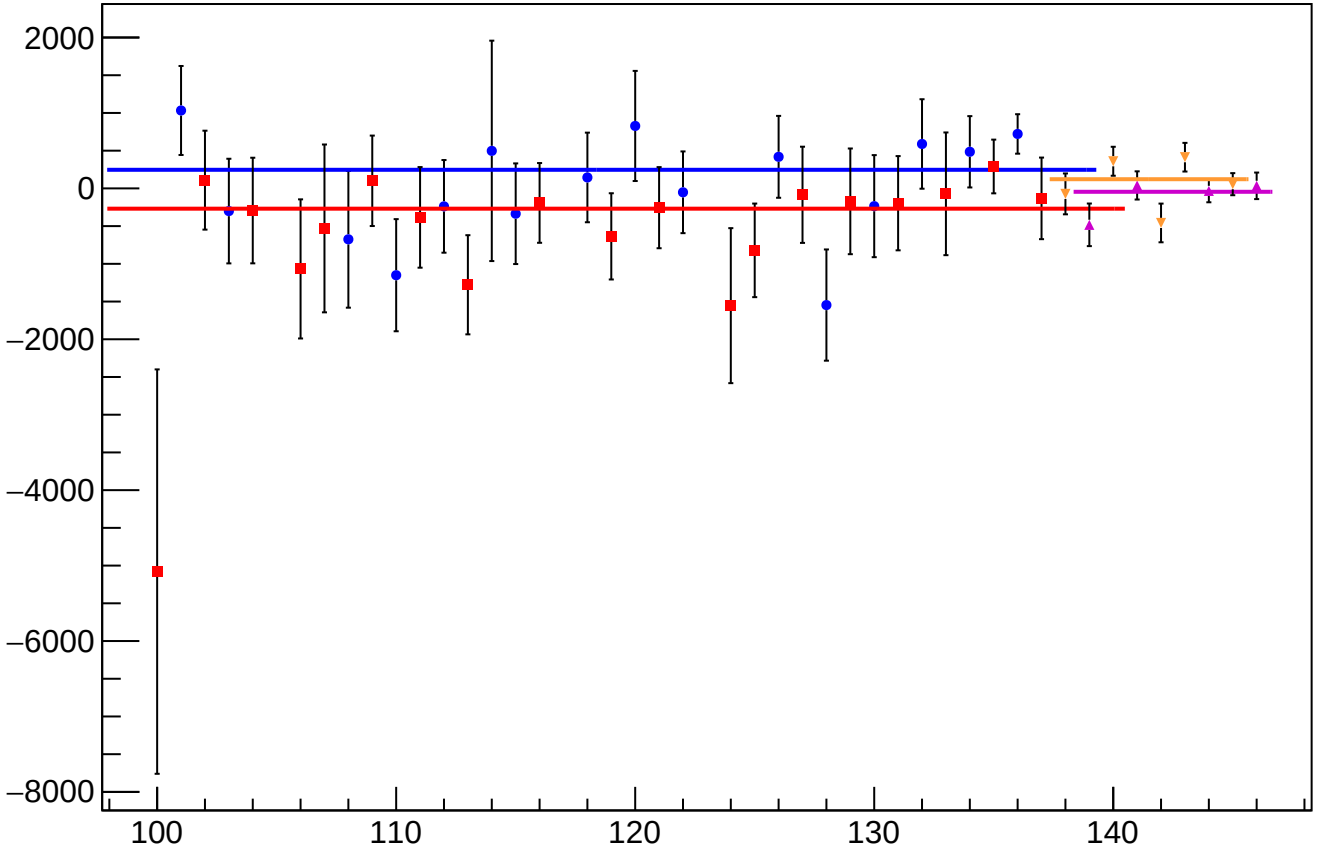
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 30.776+/-0.007 χ^2/NDF:1098625.9/19

Out: 31.268+/-0.007 χ^2/NDF:1354133.4/23

All: 31.023+/-0.005 χ^2/NDF: 2455301.2/43

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 121.697+/-87.577 χ^2/NDF:9.7/4

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -45.097+/-92.324 χ^2/NDF:2.8/3

Left: 42.698+/-63.538 χ^2/NDF: 14.3/8

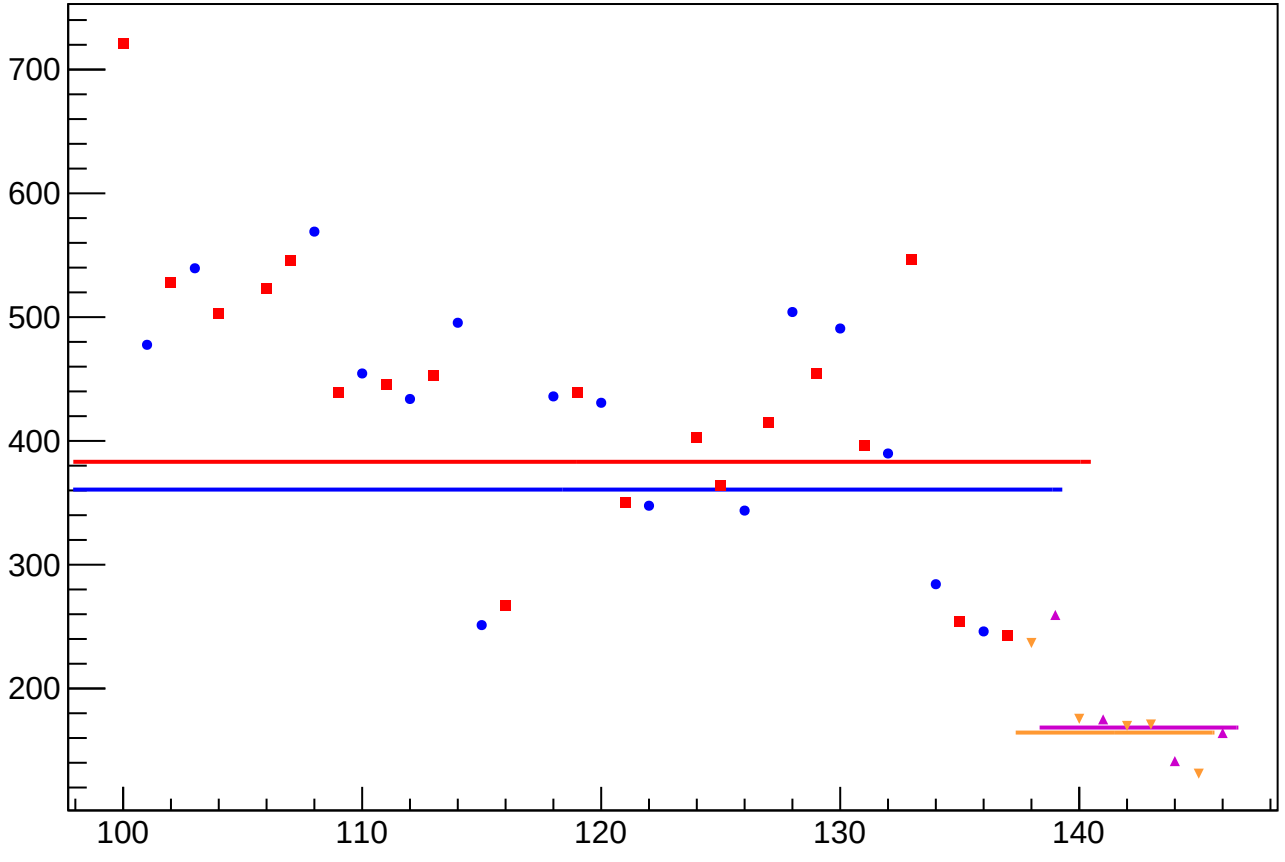
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 43.041+/-77.119 χ^2/NDF:25.6/19

Out: 17.602+/-75.006 χ^2/NDF:27.7/23

All: 29.968+/-53.769 χ^2/NDF: 53.3/43

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: 164.397+/-0.062 χ^2/NDF:255715.0/4

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 168.451+/-0.065 χ^2/NDF:275723.8/3

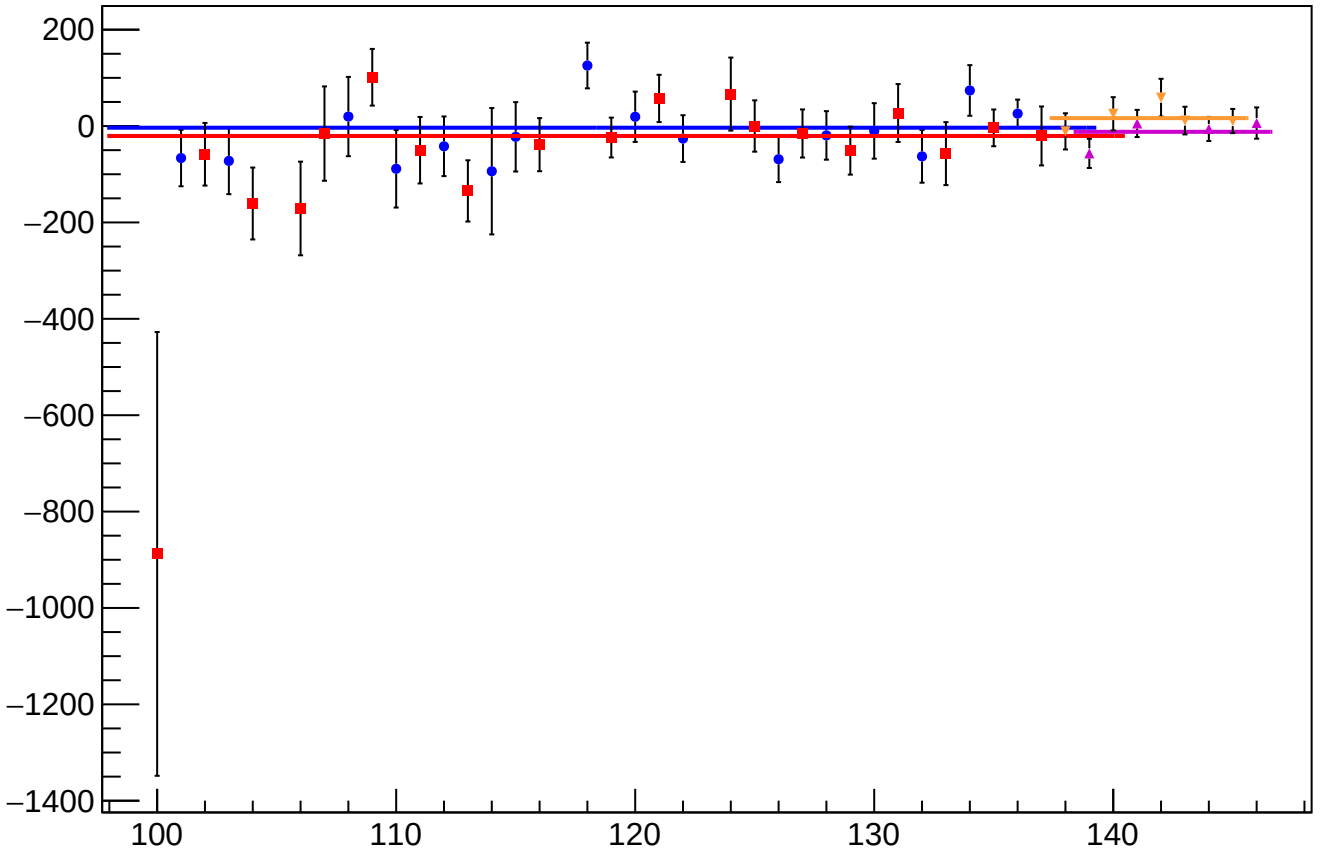
Left: 166.317+/-0.045 χ^2/NDF: 533468.6/8

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 226.556+/-0.055 χ^2/NDF:3989452.0/19

Out: 222.689+/-0.053 χ^2/NDF:4543632.3/23

All: 224.569+/-0.038 χ^2/NDF: 8535669.8/43



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 16.459+/-14.134 χ^2/NDF:1.9/4

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.963+/-14.282 χ^2/NDF:2.9/3

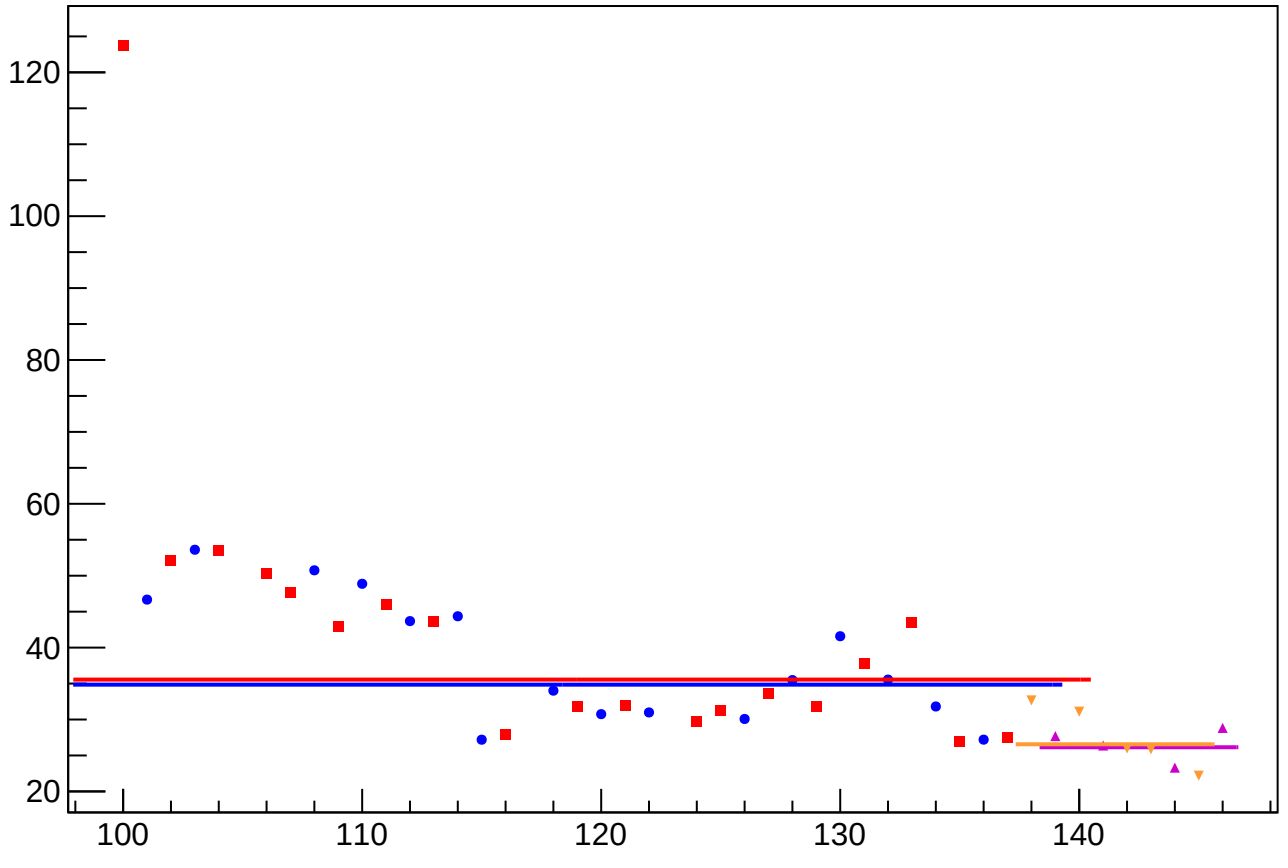
Left: 2.396+/-10.046 χ^2/NDF: 6.8/8

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.420+/-9.769 χ^2/NDF:21.6/19

Out: -2.938+/-9.753 χ^2/NDF:28.6/23

All: -5.175+/-6.902 χ^2/NDF: 50.3/43



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.555+/-0.010 χ^2/NDF:149588.2/4

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.143+/-0.010 χ^2/NDF:44927.6/3

Left: 26.351+/-0.007 χ^2/NDF: 195354.5/8

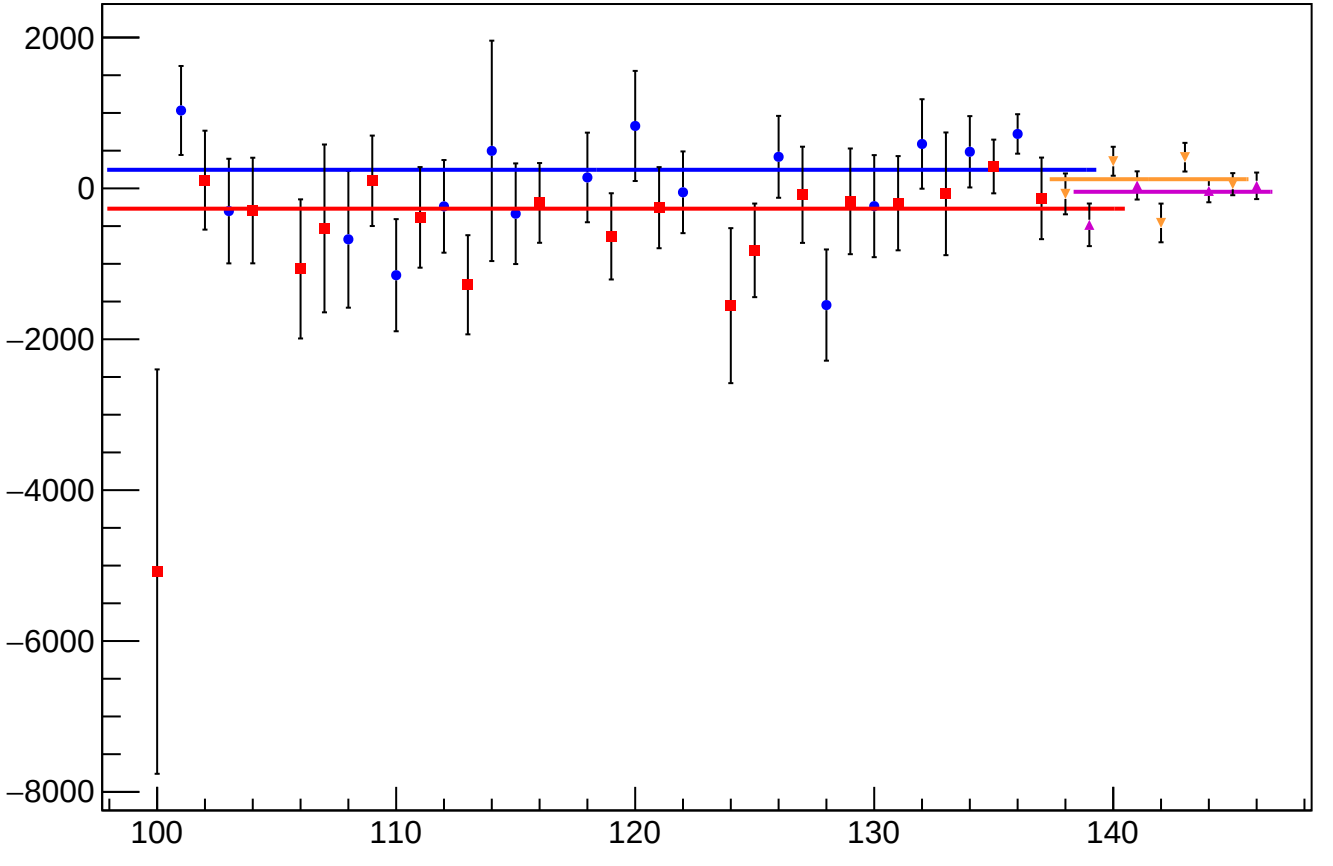
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 30.776+/-0.007 χ^2/NDF:1098534.5/19

Out: 31.268+/-0.007 χ^2/NDF:1354048.2/23

All: 31.023+/-0.005 χ^2/NDF: 2455125.6/43

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 121.697+/-87.577 χ^2/NDF:9.7/4

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -45.097+/-92.324 χ^2/NDF:2.8/3

Left: 42.698+/-63.538 χ^2/NDF: 14.3/8

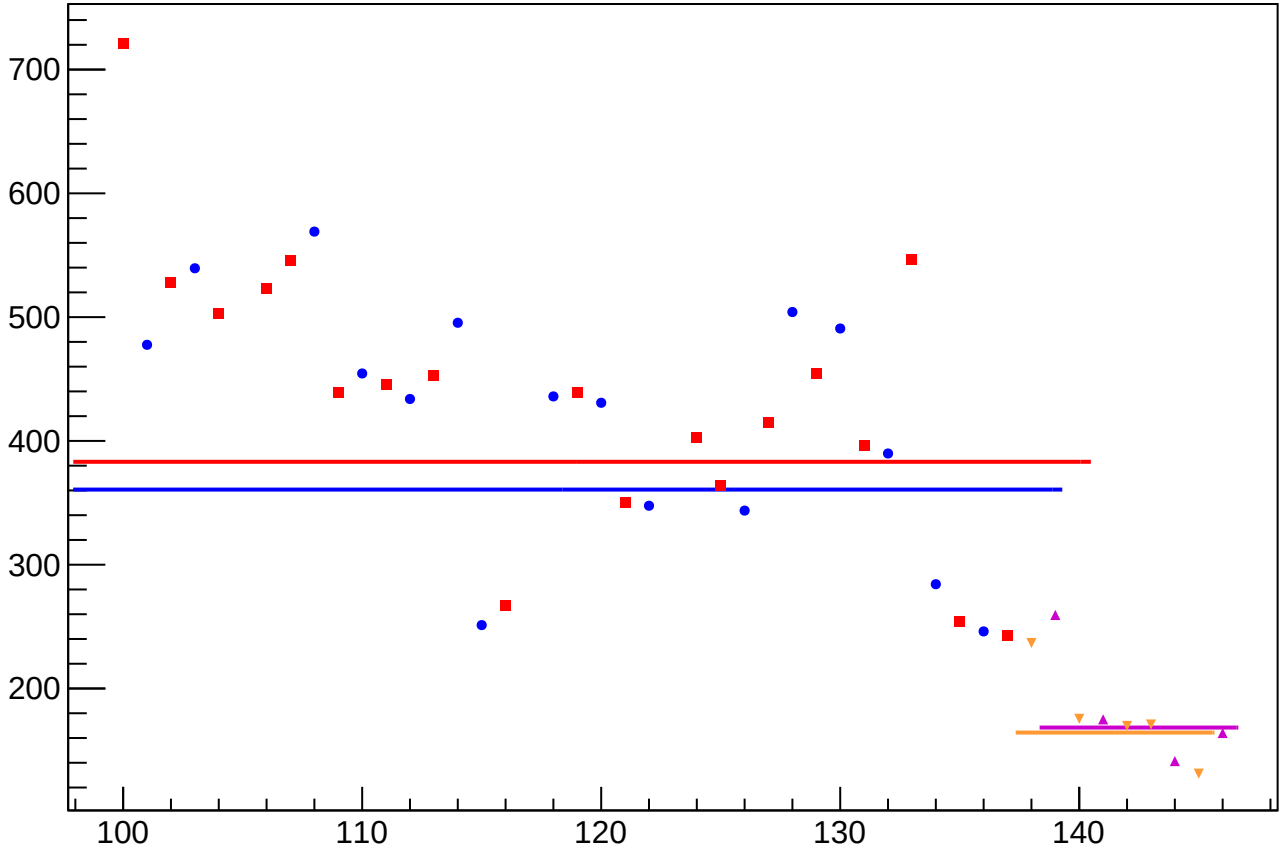
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 43.040+/-77.119 χ^2/NDF:25.6/19

Out: 17.603+/-75.005 χ^2/NDF:27.7/23

All: 29.968+/-53.769 χ^2/NDF: 53.3/43

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: 164.397+/-0.062 χ^2/NDF:255717.0/4

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 168.451+/-0.065 χ^2/NDF:275719.9/3

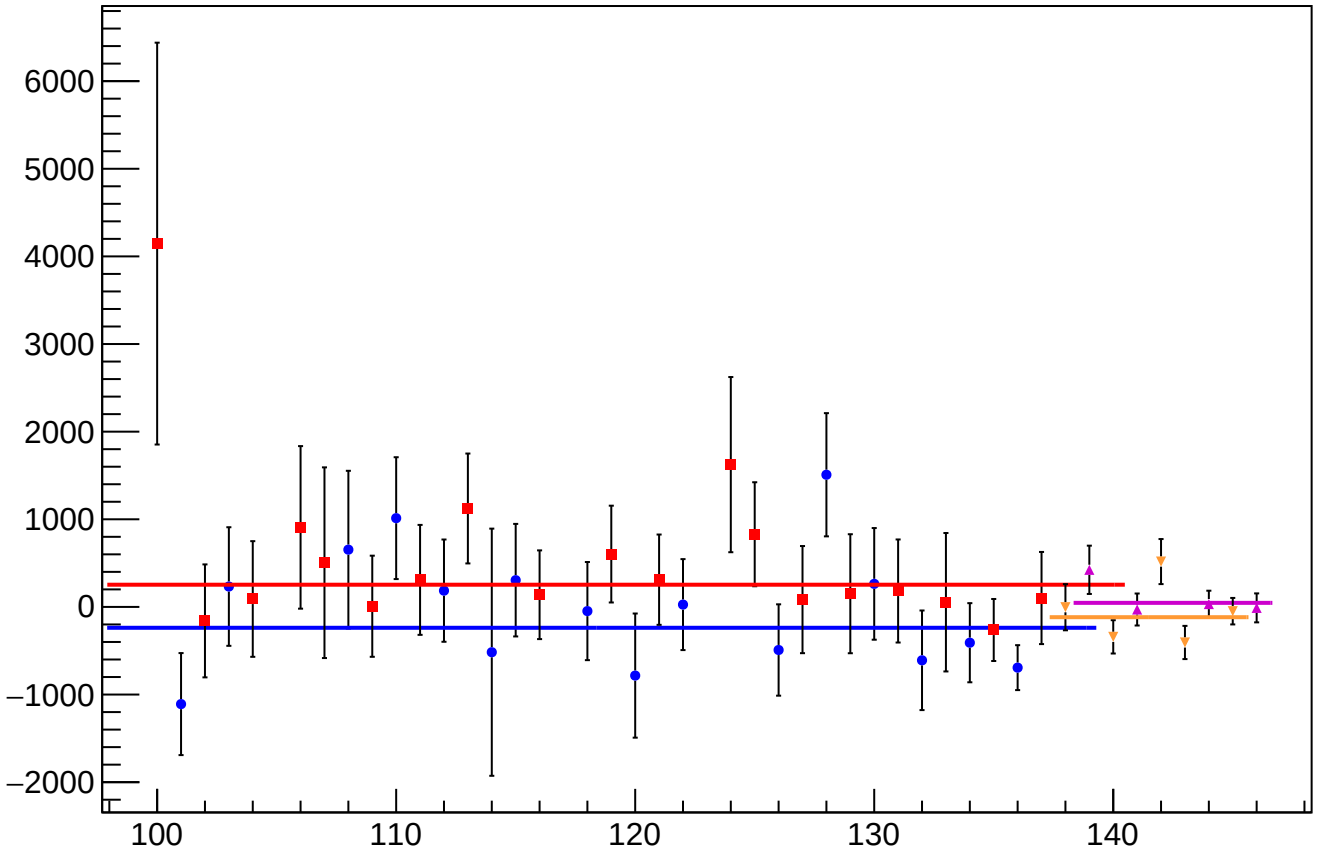
Left: 166.317+/-0.045 χ^2/NDF: 533467.0/8

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 226.556+/-0.055 χ^2/NDF:3989443.2/19

Out: 222.688+/-0.053 χ^2/NDF:4543646.8/23

All: 224.568+/-0.038 χ^2/NDF: 8535676.0/43



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -117.260+/-88.102 χ^2/NDF:10.2/4

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 46.385+/-90.204 χ^2/NDF:2.2/3

Left: -37.366+/-63.028 χ^2/NDF: 14.1/8

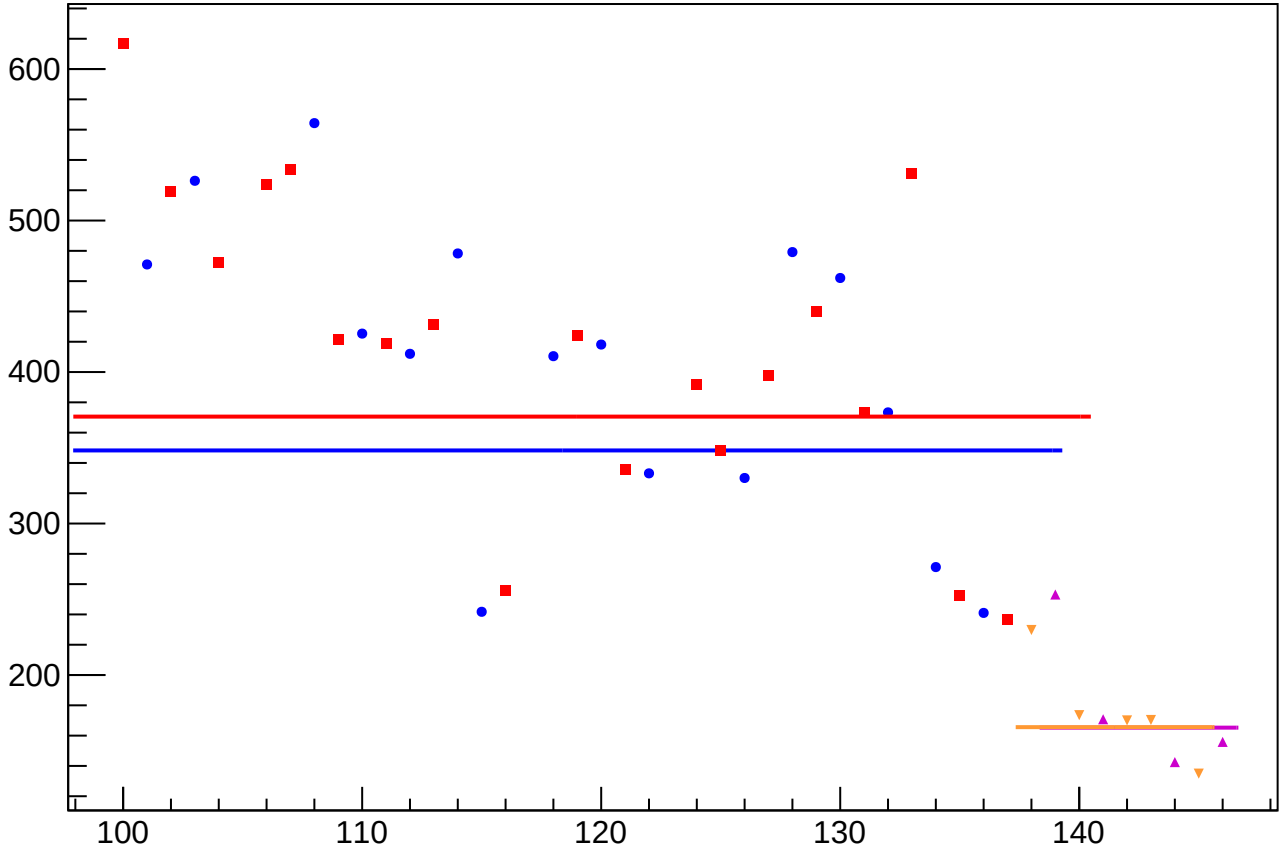
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -41.093+/-75.062 χ^2/NDF:25.2/19

Out: -12.543+/-74.628 χ^2/NDF:26.9/23

All: -26.735+/-52.923 χ^2/NDF: 52.1/43

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 165.594+/-0.062 χ^2/NDF:206254.5/4

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 165.267+/-0.064 χ^2/NDF:256329.9/3

Left: 165.435+/-0.045 χ^2/NDF: 462597.9/8

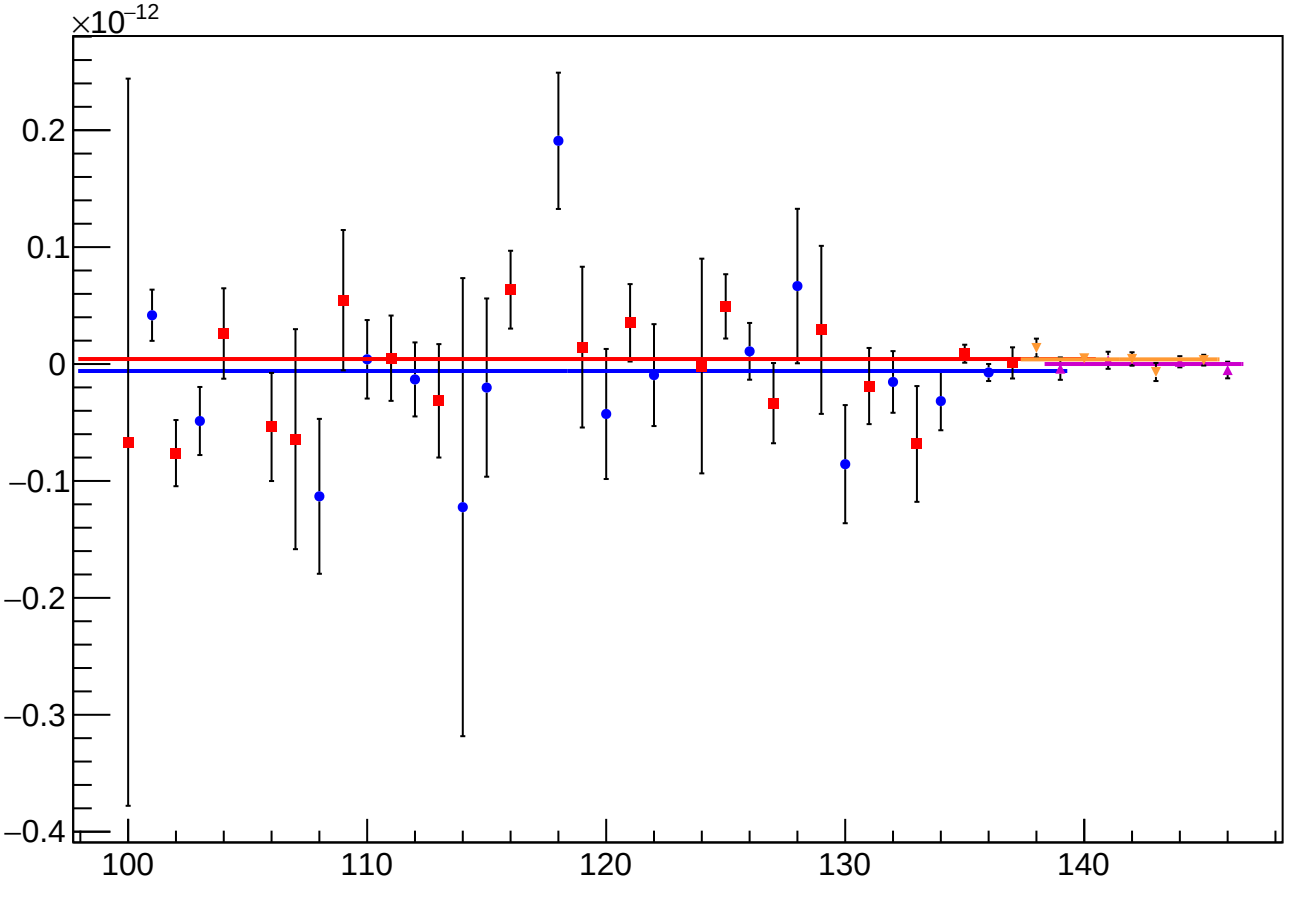
Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 221.546+/-0.053 χ^2/NDF:3844400.9/19

Out: 223.500+/-0.053 χ^2/NDF:4182698.6/23

All: 222.529+/-0.037 χ^2/NDF: 8027781.2/43

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

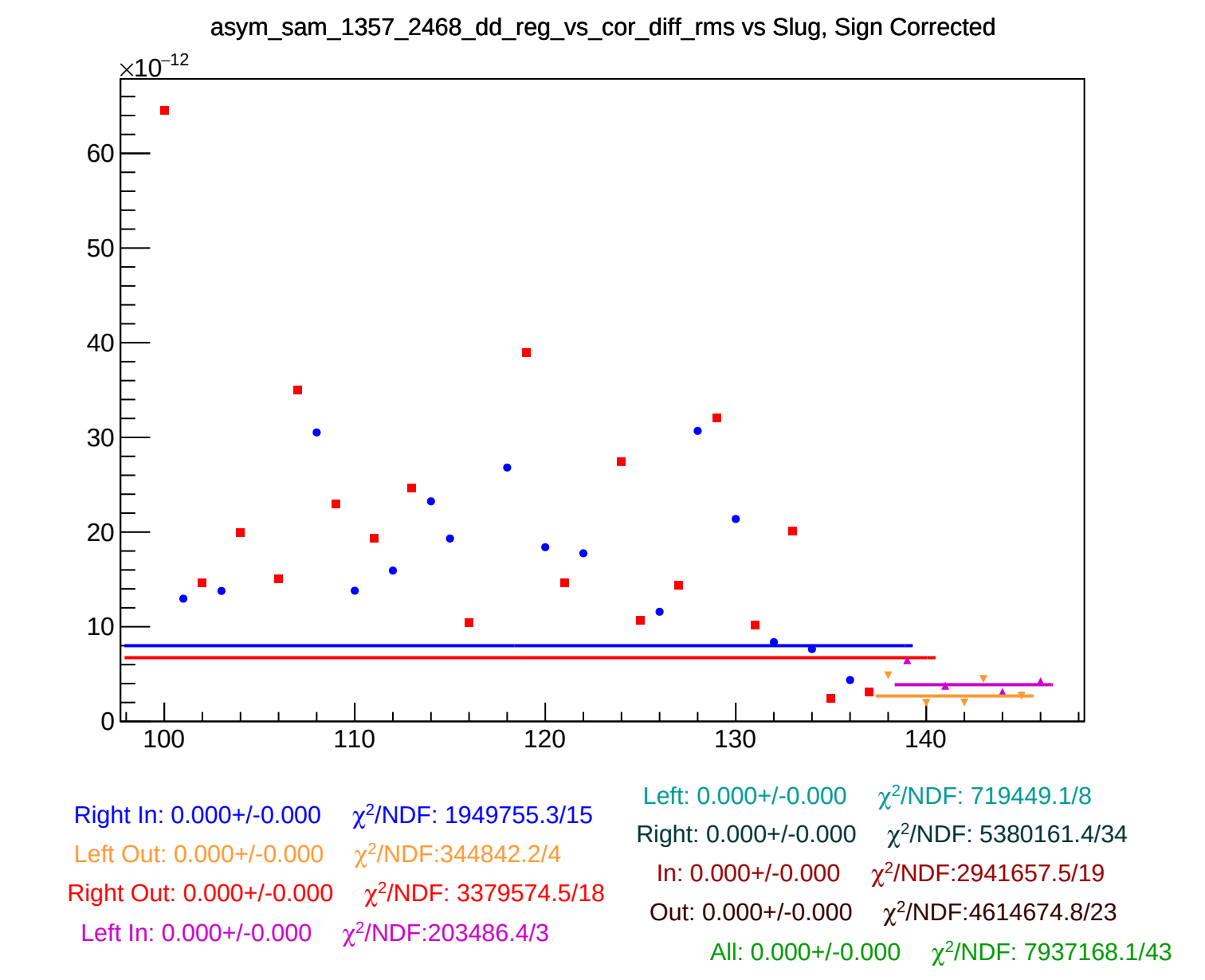
Left: 0.000+/-0.000 χ^2/NDF: 5.5/8

Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

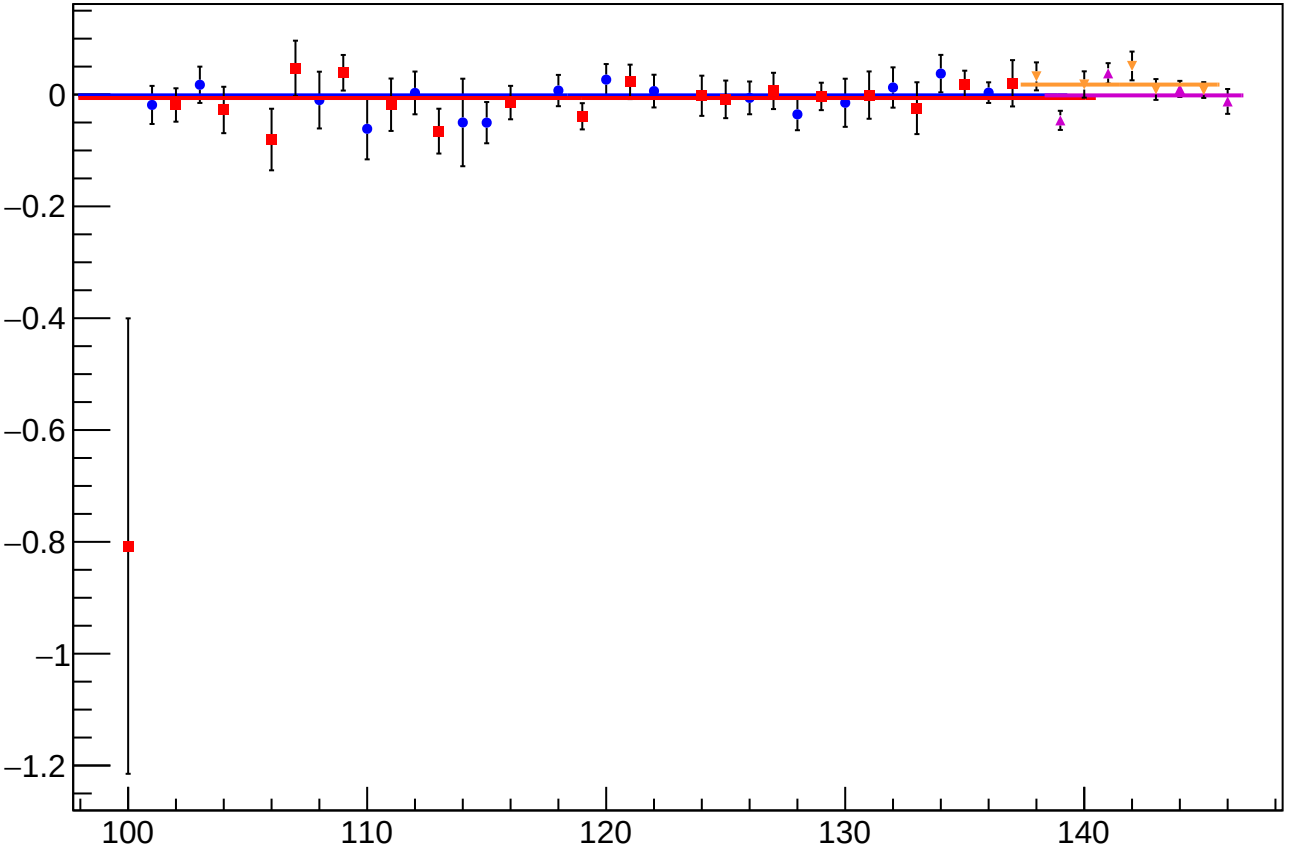
In: -0.000+/-0.000 χ^2/NDF:29.2/19

Out: 0.000+/-0.000 χ^2/NDF:26.4/23

All: 0.000+/-0.000 χ^2/NDF: 58.0/43


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:344842.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:203486.4/3
Left: 0.000+/-0.000 χ²/NDF: 719449.1/8
Right: 0.000+/-0.000 χ²/NDF: 5380161.4/34
In: 0.000+/-0.000 χ²/NDF:2941657.5/19
Out: 0.000+/-0.000 χ²/NDF:4614674.8/23
All: 0.000+/-0.000 χ²/NDF: 7937168.1/43

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.018+/-0.009 χ^2/NDF:2.7/4

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.009 χ^2/NDF:12.4/3

Left: 0.008+/-0.006 χ^2/NDF: 17.6/8

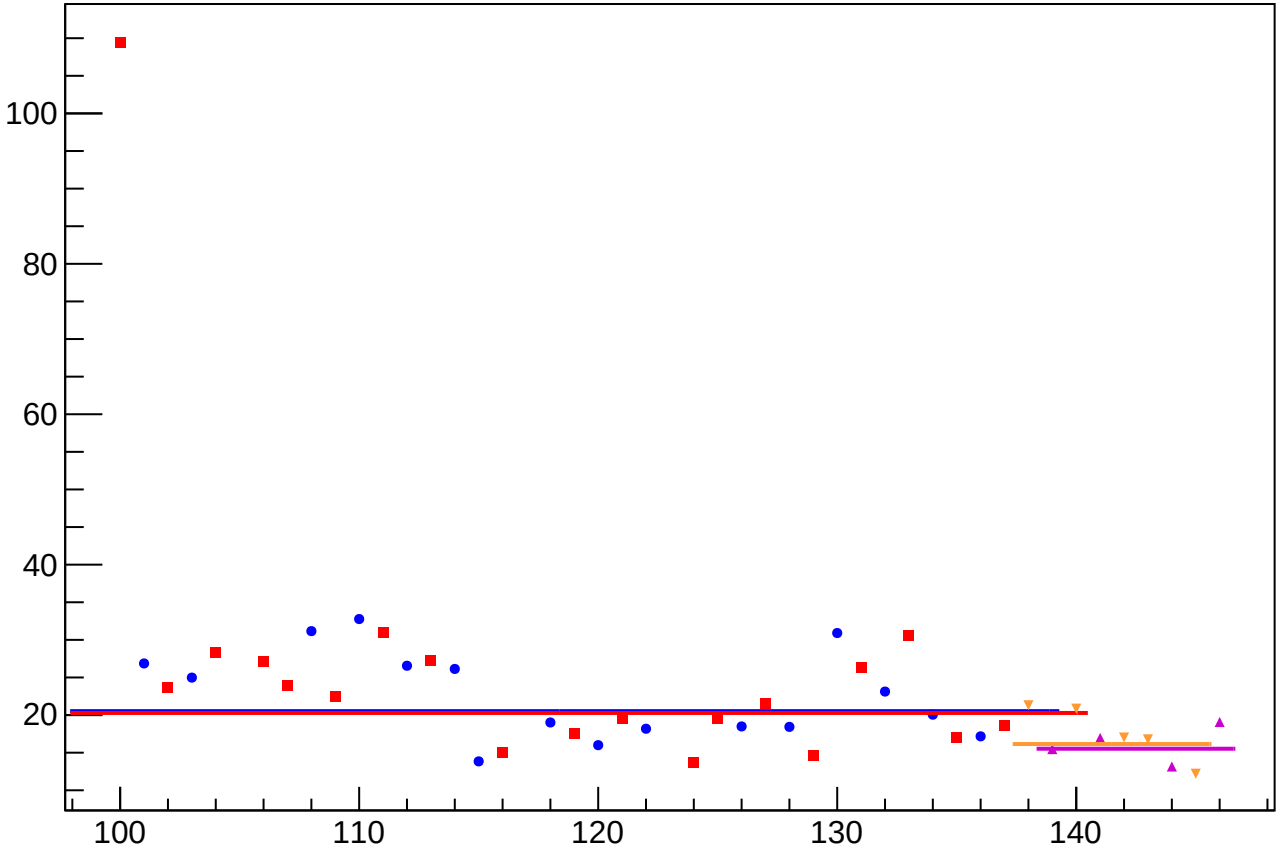
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.7/19

Out: 0.004+/-0.006 χ^2/NDF:23.1/23

All: 0.002+/-0.004 χ^2/NDF: 44.2/43

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.151+/-0.006 χ^2/NDF:325204.6/4

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.525+/-0.006 χ^2/NDF:117404.4/3

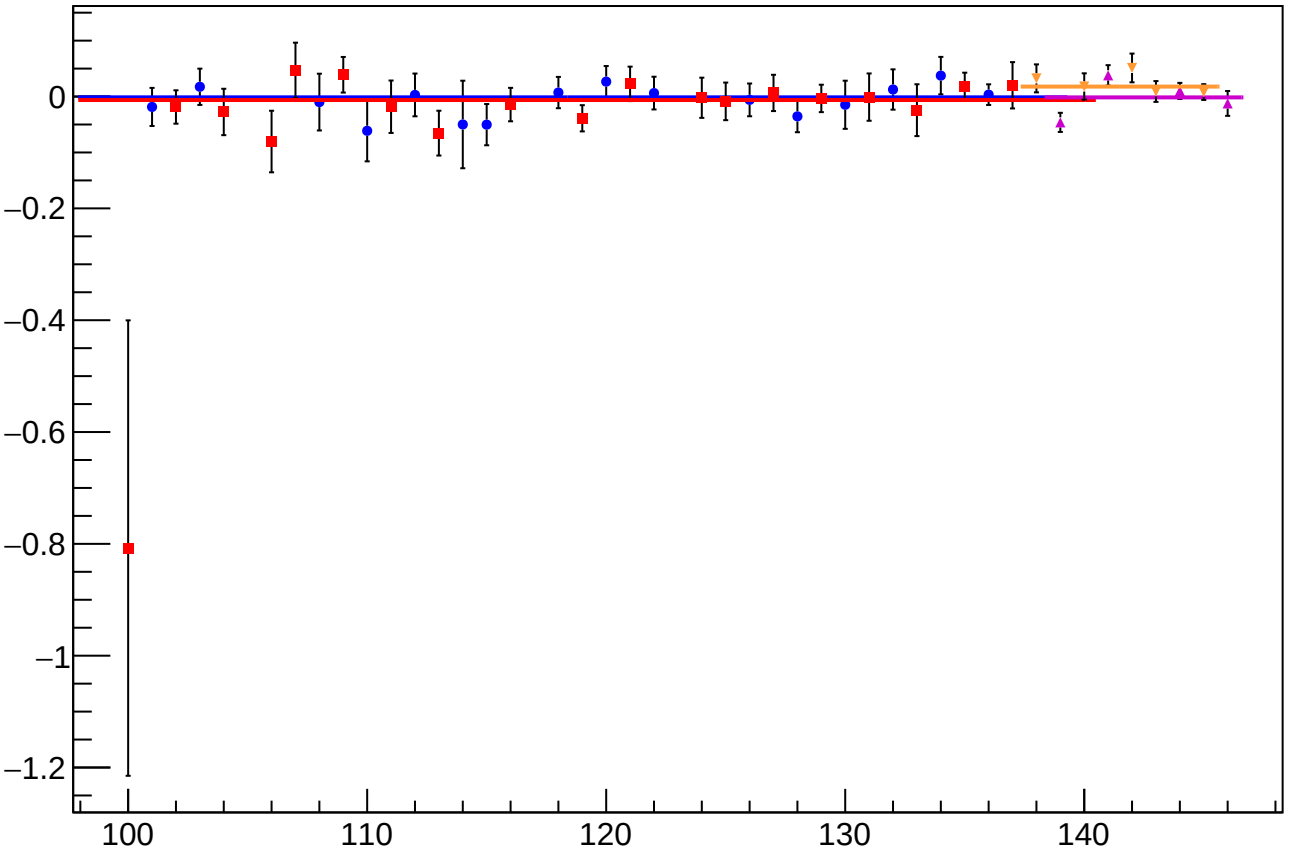
Left: 15.832+/-0.004 χ^2/NDF: 447726.3/8

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.208+/-0.004 χ^2/NDF:1179343.3/19

Out: 18.450+/-0.004 χ^2/NDF:1432962.3/23

All: 18.330+/-0.003 χ^2/NDF: 2613997.8/43



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.018+/-0.009 χ^2/NDF:2.7/4

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.009 χ^2/NDF:12.4/3

Left: 0.008+/-0.006 χ^2/NDF: 17.6/8

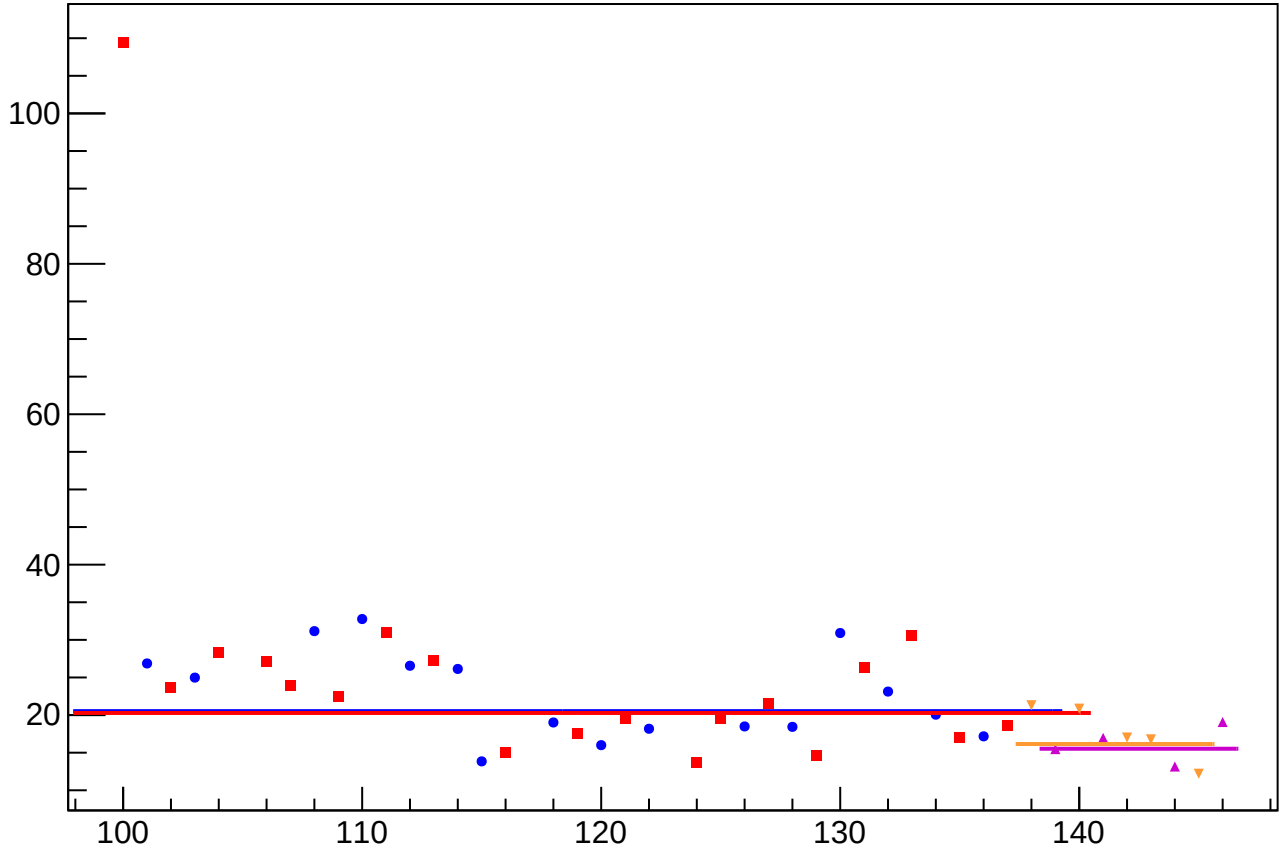
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.7/19

Out: 0.004+/-0.006 χ^2/NDF:23.1/23

All: 0.002+/-0.004 χ^2/NDF: 44.2/43

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.151+/-0.006 χ^2/NDF:325204.6/4

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.525+/-0.006 χ^2/NDF:117404.4/3

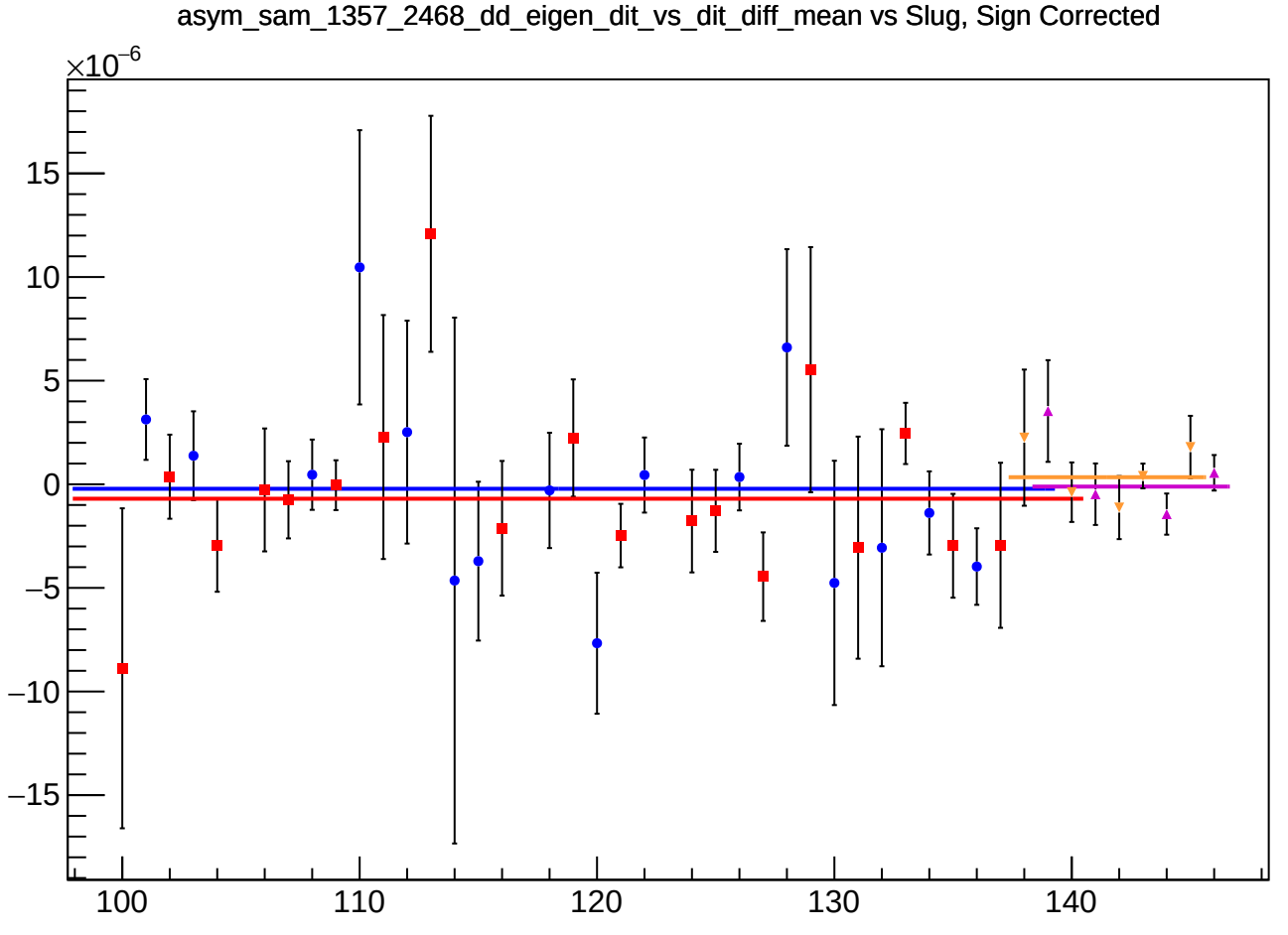
Left: 15.832+/-0.004 χ^2/NDF: 447726.3/8

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.208+/-0.004 χ^2/NDF:1179343.3/19

Out: 18.450+/-0.004 χ^2/NDF:1432962.3/23

All: 18.330+/-0.003 χ^2/NDF: 2613997.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/3

Left: 0.000+/-0.000 χ^2/NDF: 7.5/8

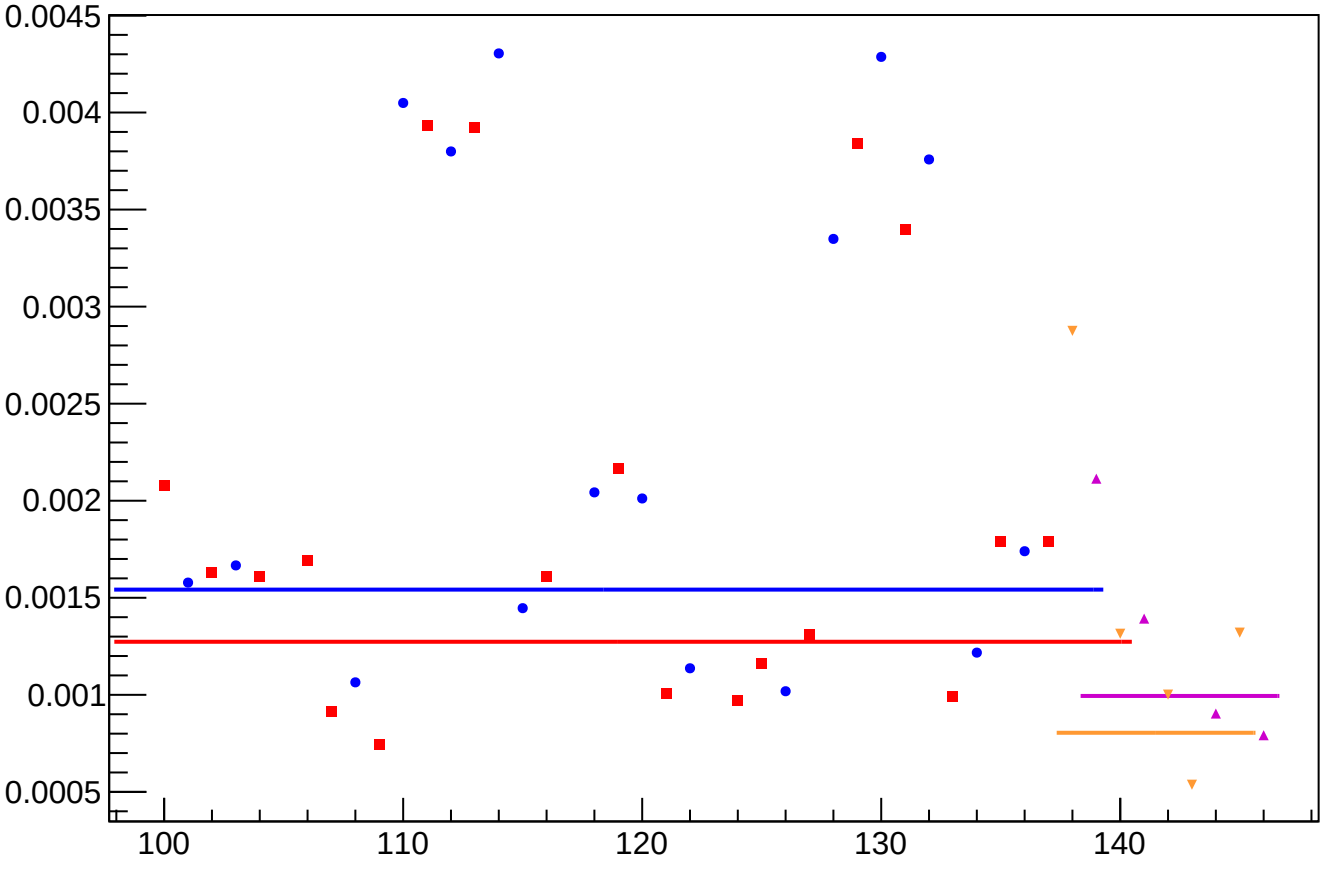
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:24.6/19

Out: -0.000+/-0.000 χ^2/NDF:25.6/23

All: -0.000+/-0.000 χ^2/NDF: 50.2/43

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1716411.2/4

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:688677.7/3

Left: 0.001+/-0.000 χ^2/NDF: 2531558.7/8

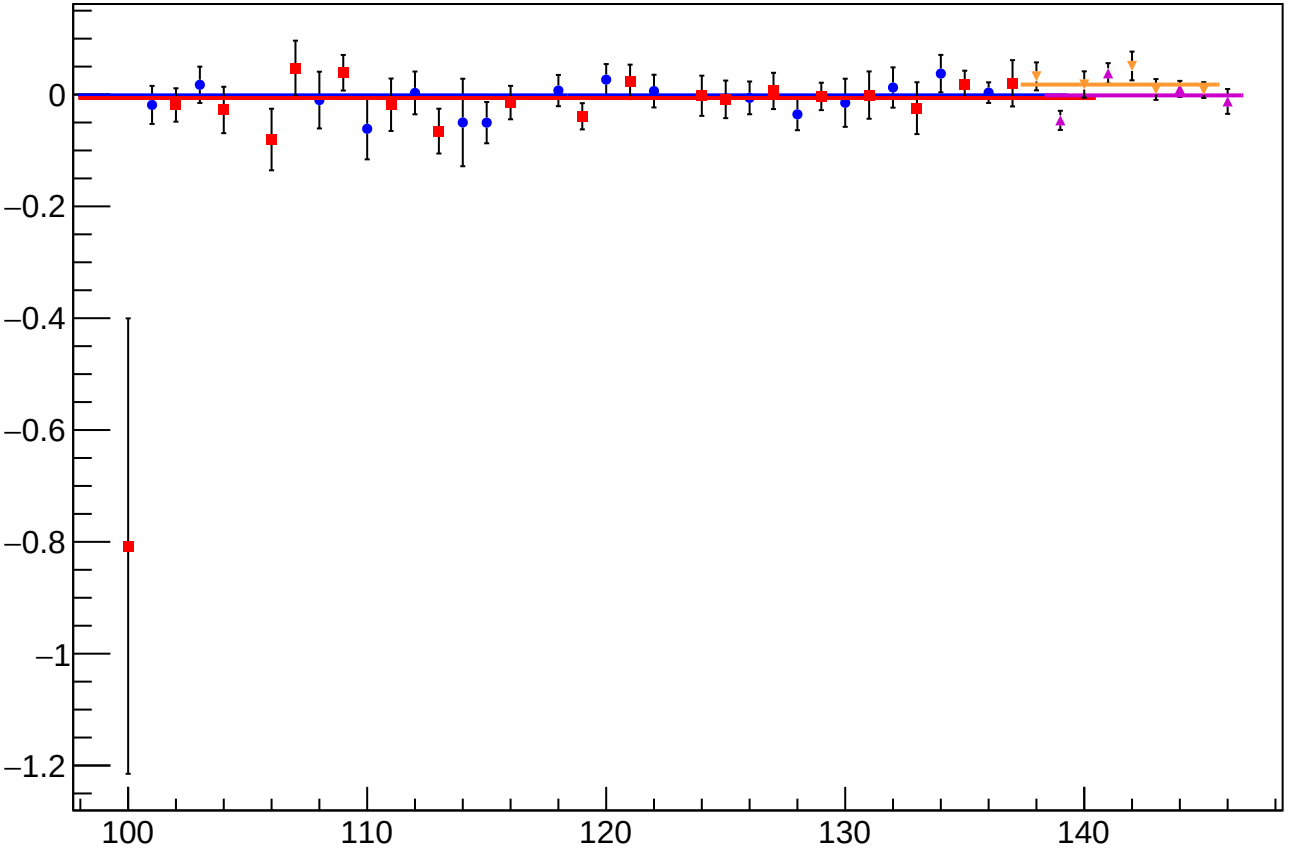
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:3925658.8/19

Out: 0.001+/-0.000 χ^2/NDF:5246210.5/23

All: 0.001+/-0.000 χ^2/NDF: 9496239.5/43

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: 0.018+/-0.009 χ^2/NDF:2.7/4

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.009 χ^2/NDF:12.4/3

Left: 0.008+/-0.006 χ^2/NDF: 17.6/8

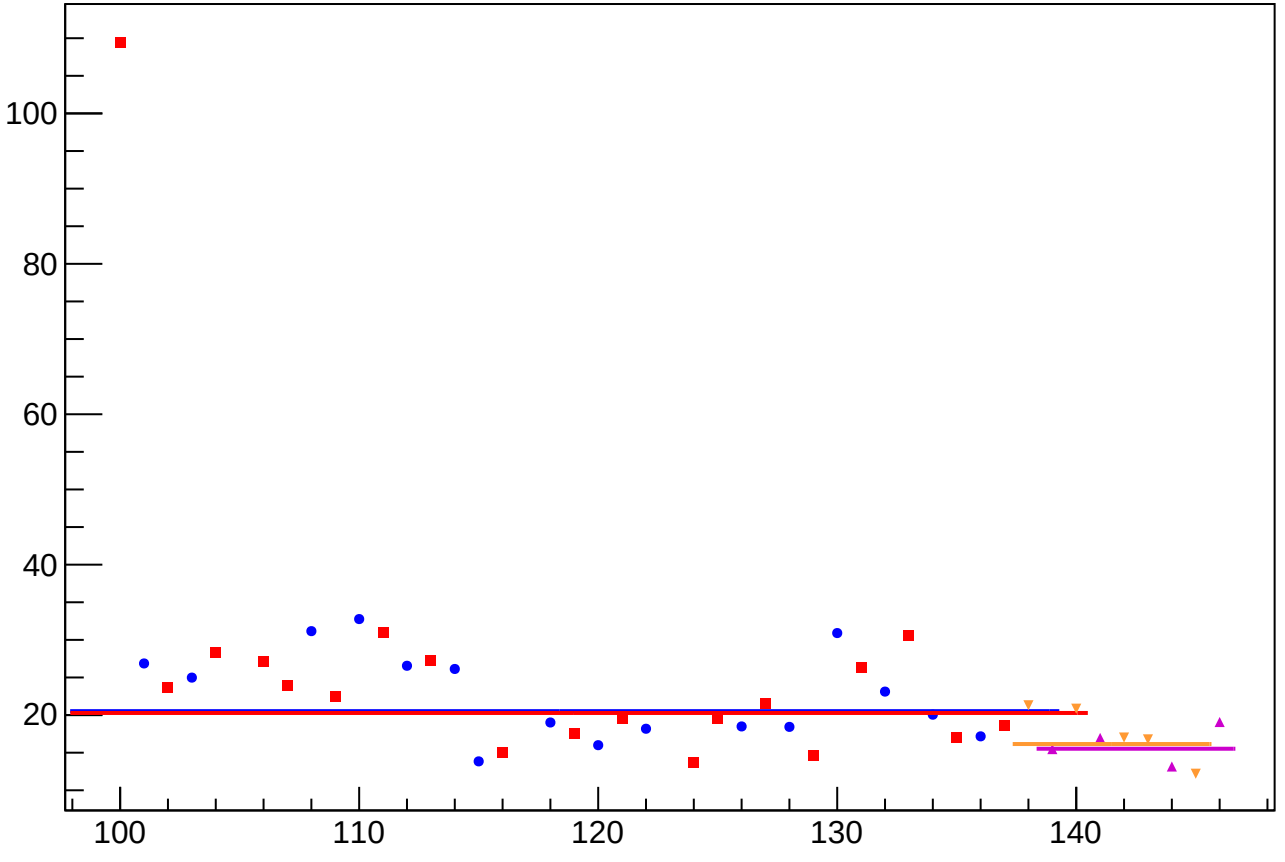
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.7/19

Out: 0.004+/-0.006 χ^2/NDF:23.1/23

All: 0.002+/-0.004 χ^2/NDF: 44.2/43

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.151+/-0.006 χ^2/NDF:325136.5/4

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.524+/-0.006 χ^2/NDF:117399.5/3

Left: 15.832+/-0.004 χ^2/NDF: 447658.5/8

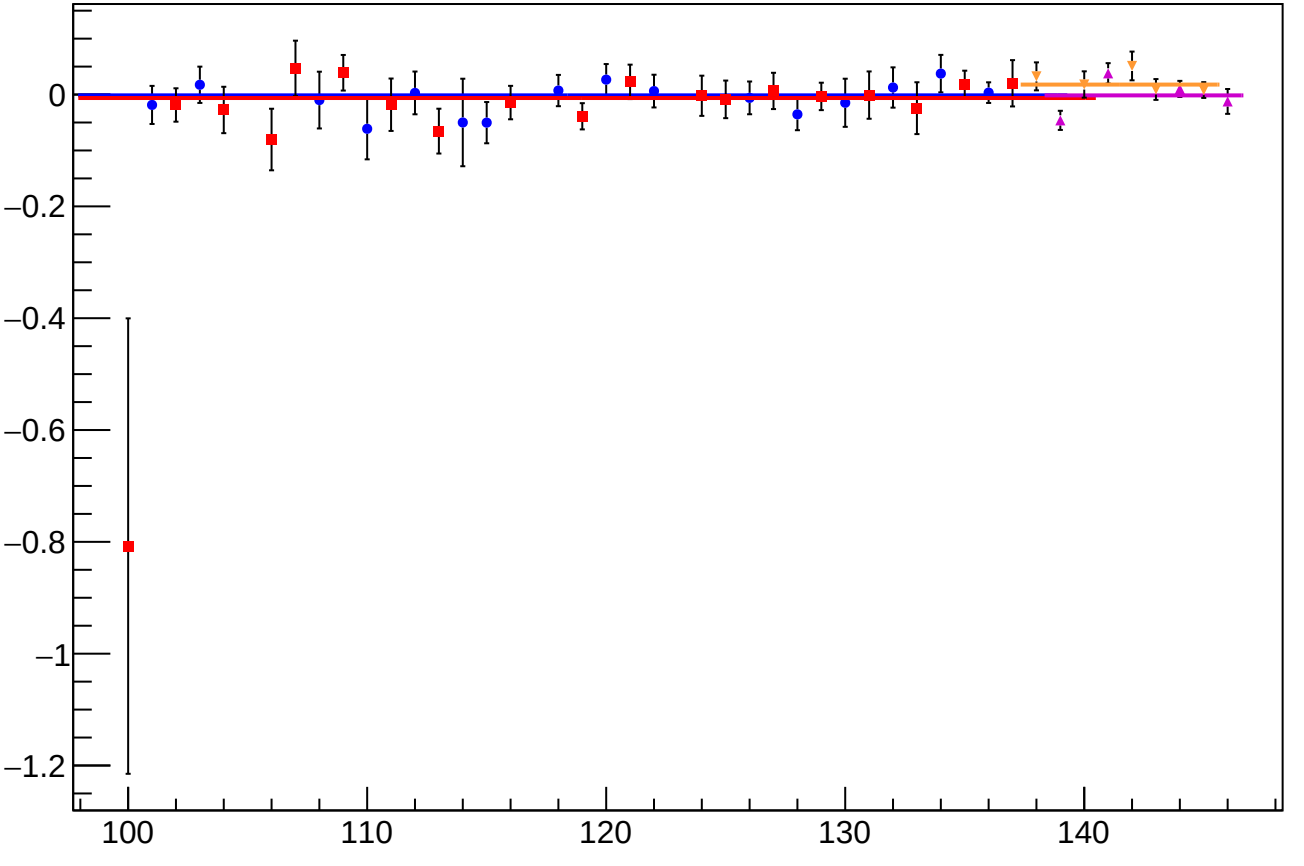
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.208+/-0.004 χ^2/NDF:1179162.3/19

Out: 18.450+/-0.004 χ^2/NDF:1432797.8/23

All: 18.329+/-0.003 χ^2/NDF: 2613653.6/43

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: 0.018+/-0.009 χ^2/NDF:2.7/4

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.009 χ^2/NDF:12.4/3

Left: 0.008+/-0.006 χ^2/NDF: 17.6/8

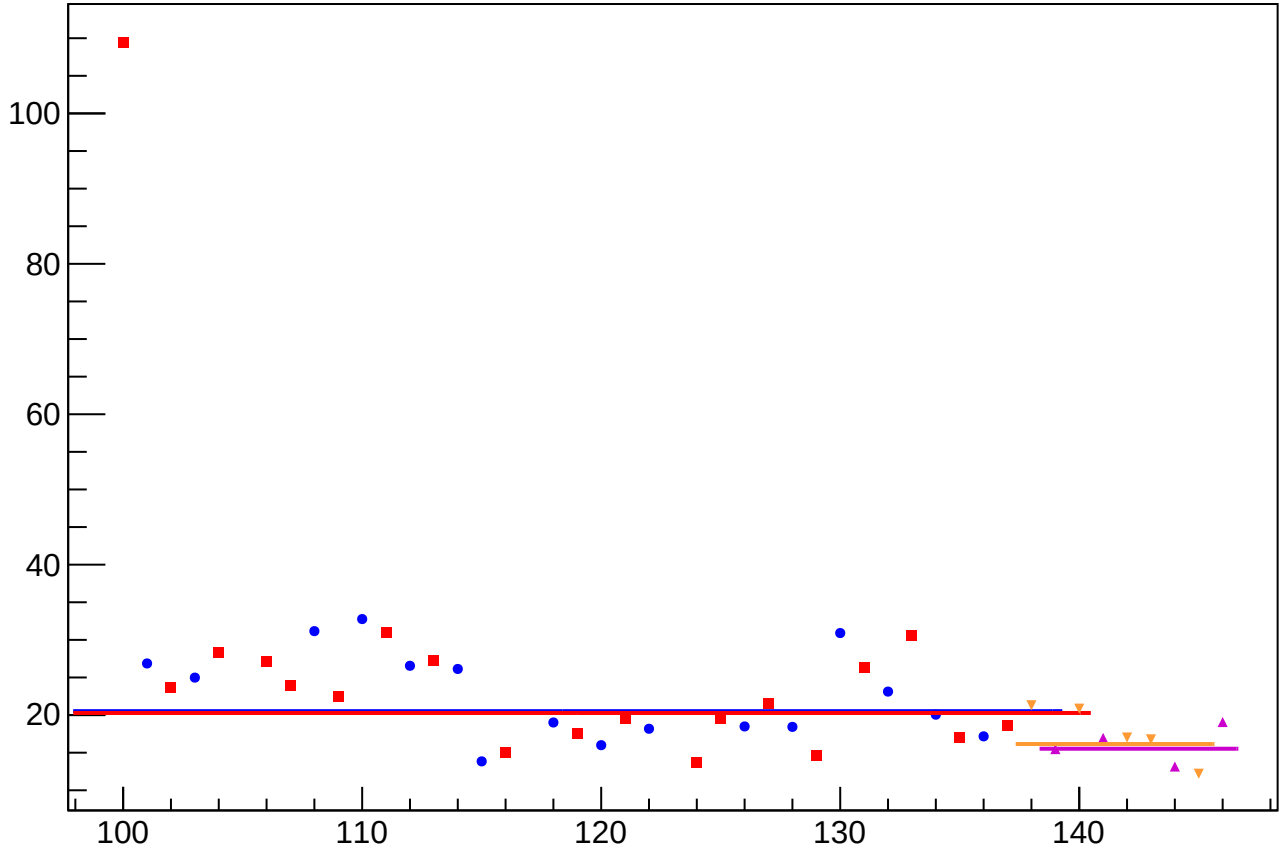
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.7/19

Out: 0.004+/-0.006 χ^2/NDF:23.1/23

All: 0.002+/-0.004 χ^2/NDF: 44.2/43

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.151+/-0.006 χ^2/NDF:325136.5/4

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.524+/-0.006 χ^2/NDF:117399.5/3

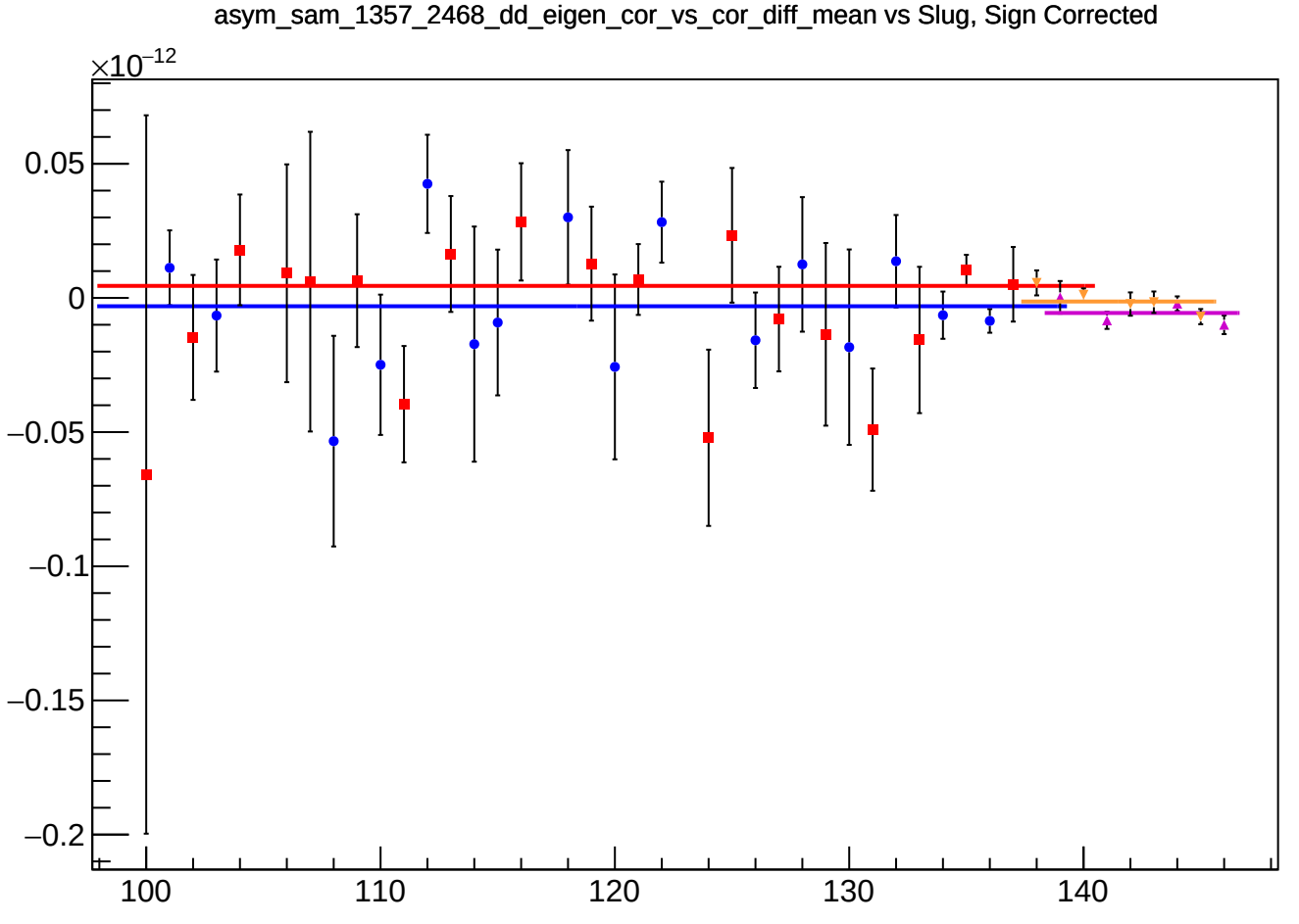
Left: 15.832+/-0.004 χ^2/NDF: 447658.5/8

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.208+/-0.004 χ^2/NDF:1179162.3/19

Out: 18.450+/-0.004 χ^2/NDF:1432797.8/23

All: 18.329+/-0.003 χ^2/NDF: 2613653.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/3

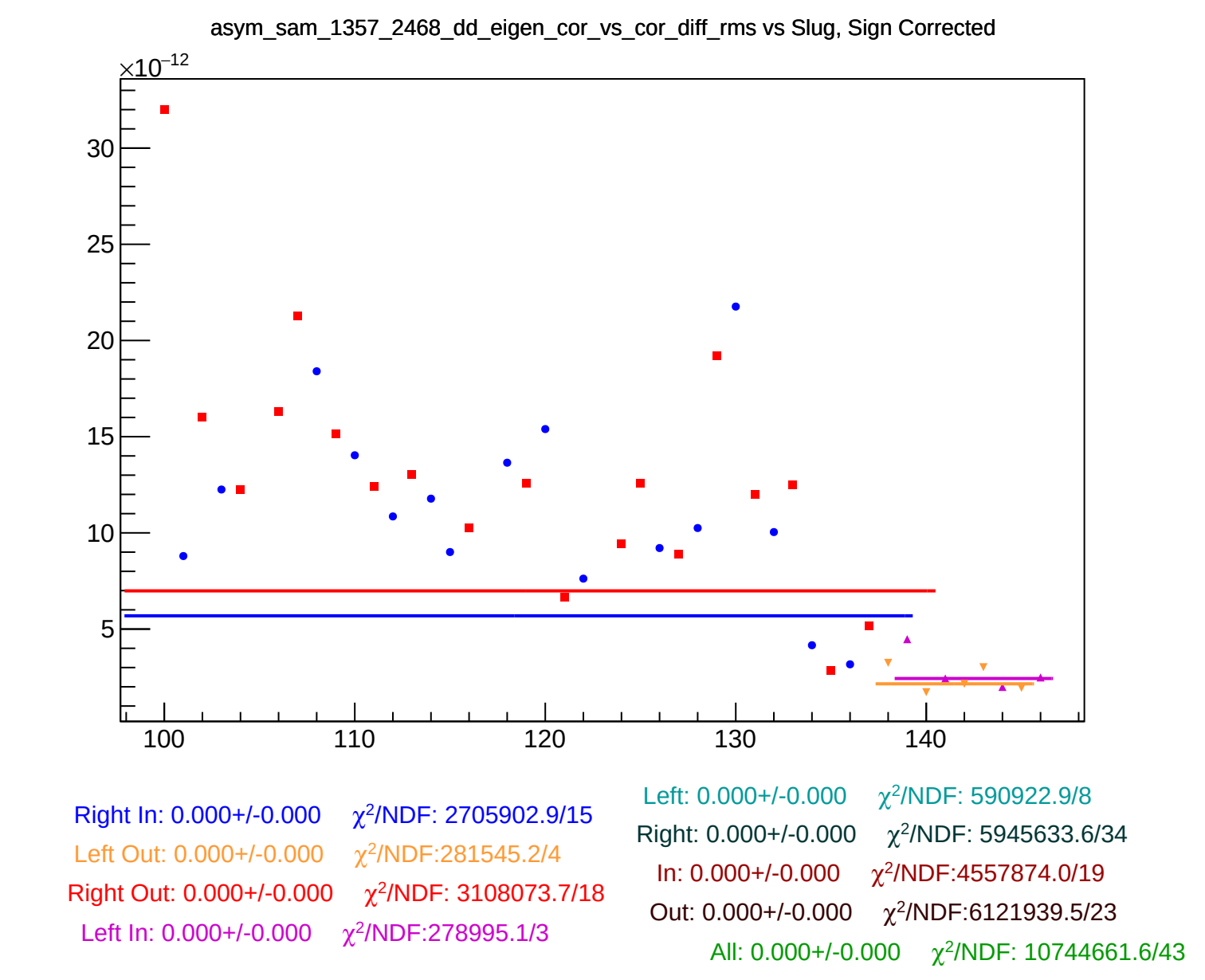
Left: -0.000+/-0.000 χ^2/NDF: 15.9/8

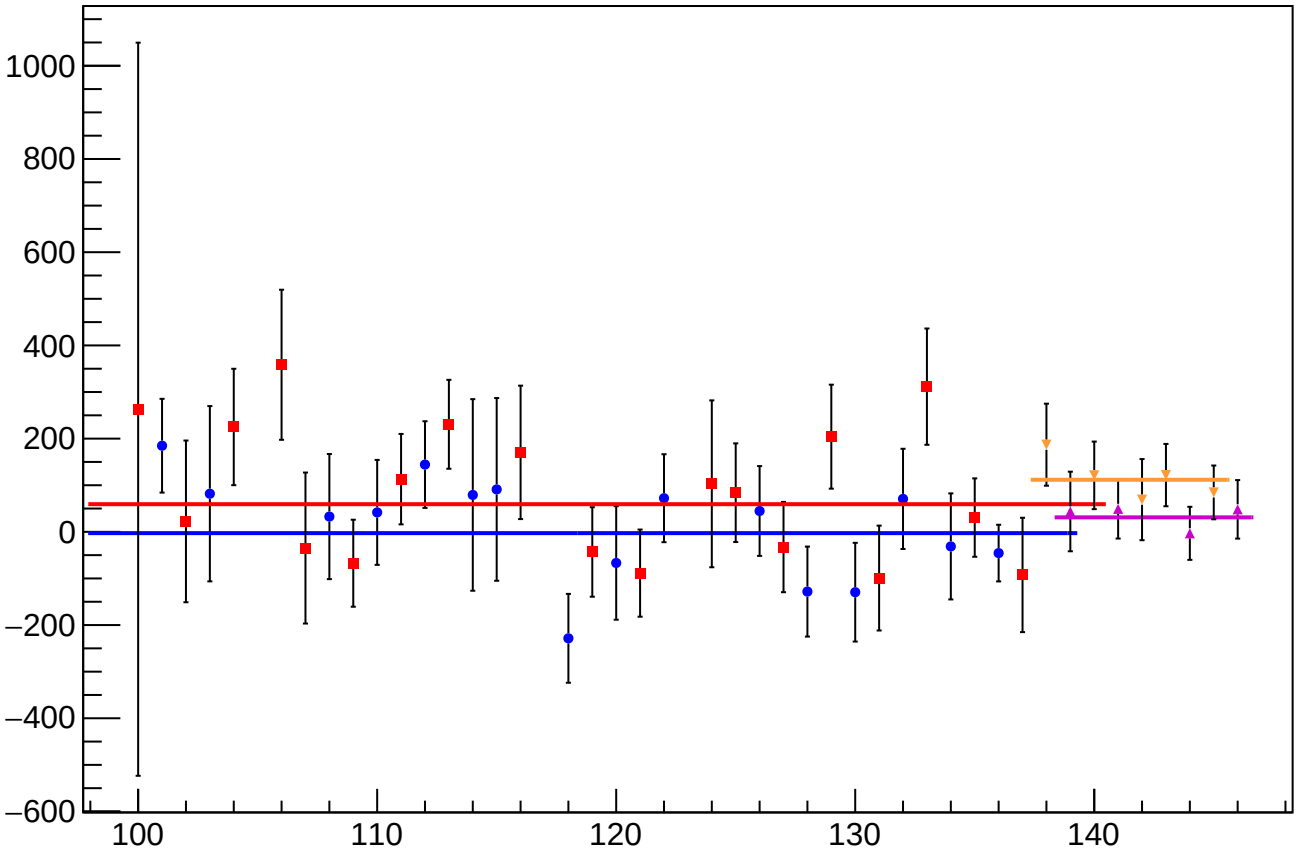
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:25.4/19

Out: -0.000+/-0.000 χ^2/NDF:28.0/23

All: -0.000+/-0.000 χ^2/NDF: 58.1/43


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
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:281545.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:278995.1/3
Left: 0.000+/-0.000 χ²/NDF: 590922.9/8
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:4557874.0/19
Out: 0.000+/-0.000 χ²/NDF:6121939.5/23
All: 0.000+/-0.000 χ²/NDF: 10744661.6/43



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 111.725+/-32.016 χ^2/NDF:1.2/4

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 31.080+/-32.515 χ^2/NDF:0.5/3

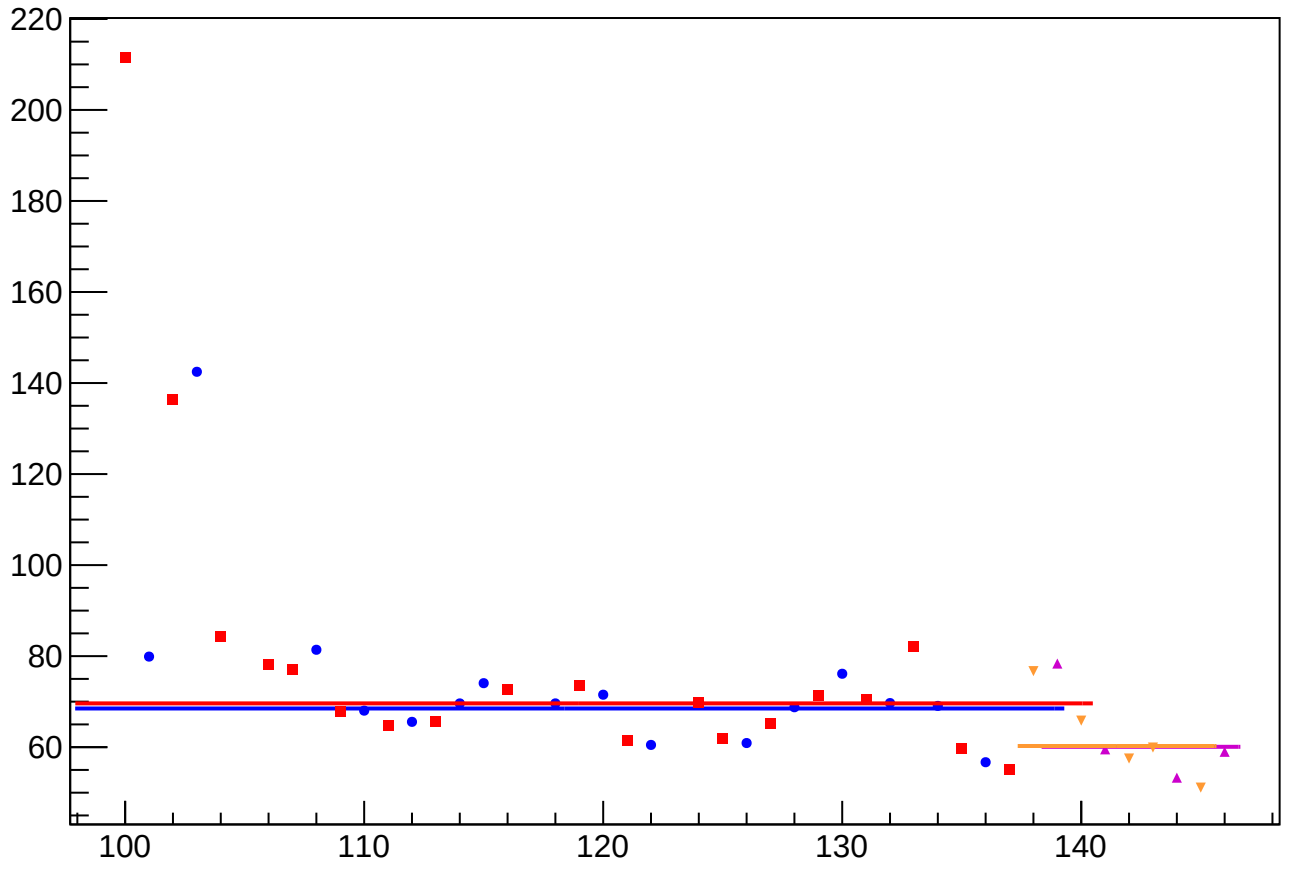
Left: 72.026+/-22.813 χ^2/NDF: 4.9/8

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 10.566+/-20.407 χ^2/NDF:18.9/19

Out: 80.530+/-20.360 χ^2/NDF:28.5/23

All: 45.629+/-14.414 χ^2/NDF: 53.3/43



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.258+/-0.023 χ^2/NDF:133950.2/4

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

Left: 60.170+/-0.016 χ^2/NDF: 254818.7/8

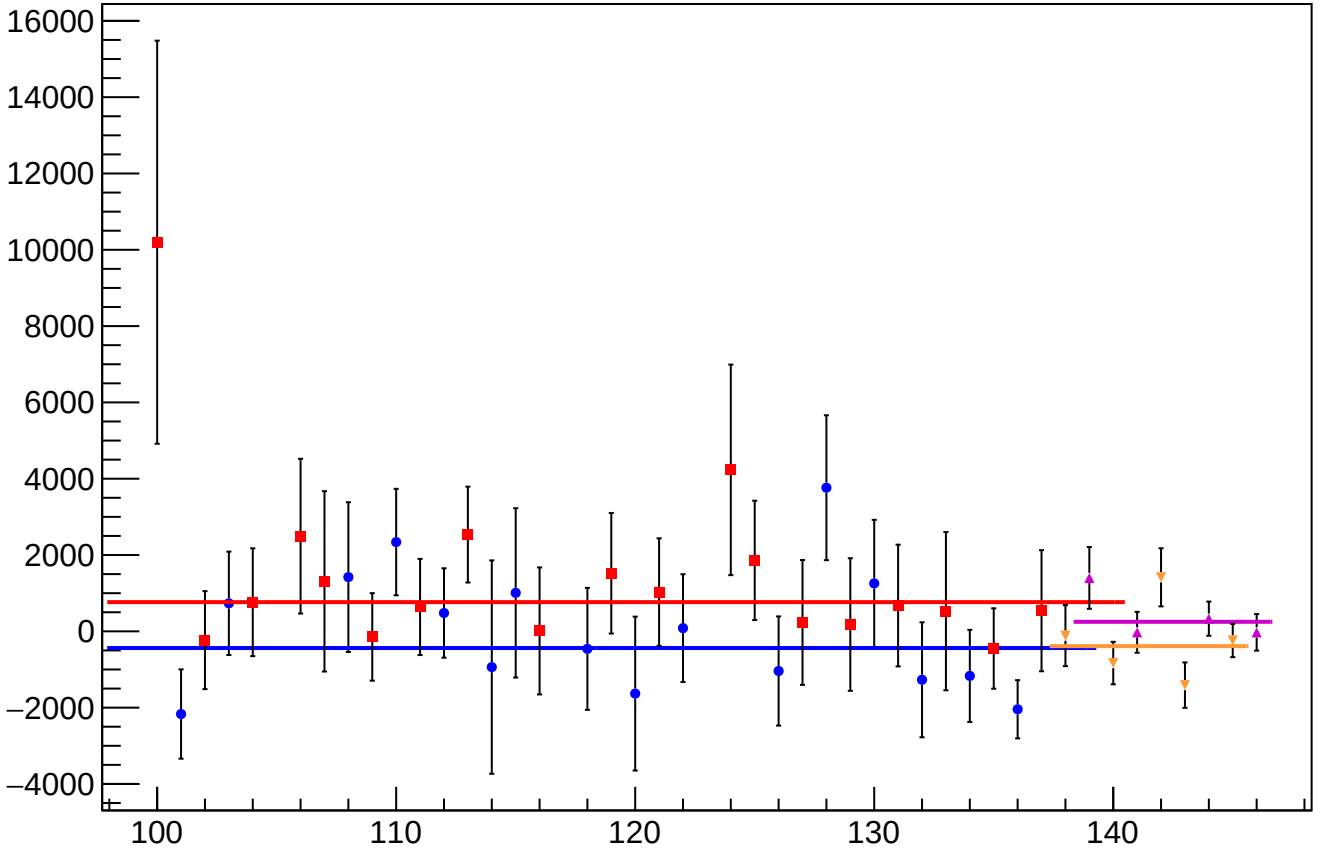
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 65.183+/-0.014 χ^2/NDF:673955.2/19

Out: 65.834+/-0.014 χ^2/NDF:756206.3/23

All: 65.509+/-0.010 χ^2/NDF: 1431181.4/43

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: -388.204+/-261.800 χ^2/NDF:9.4/4

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 250.325+/-264.033 χ^2/NDF:2.7/3

Left: -71.651+/-185.905 χ^2/NDF: 15.0/8

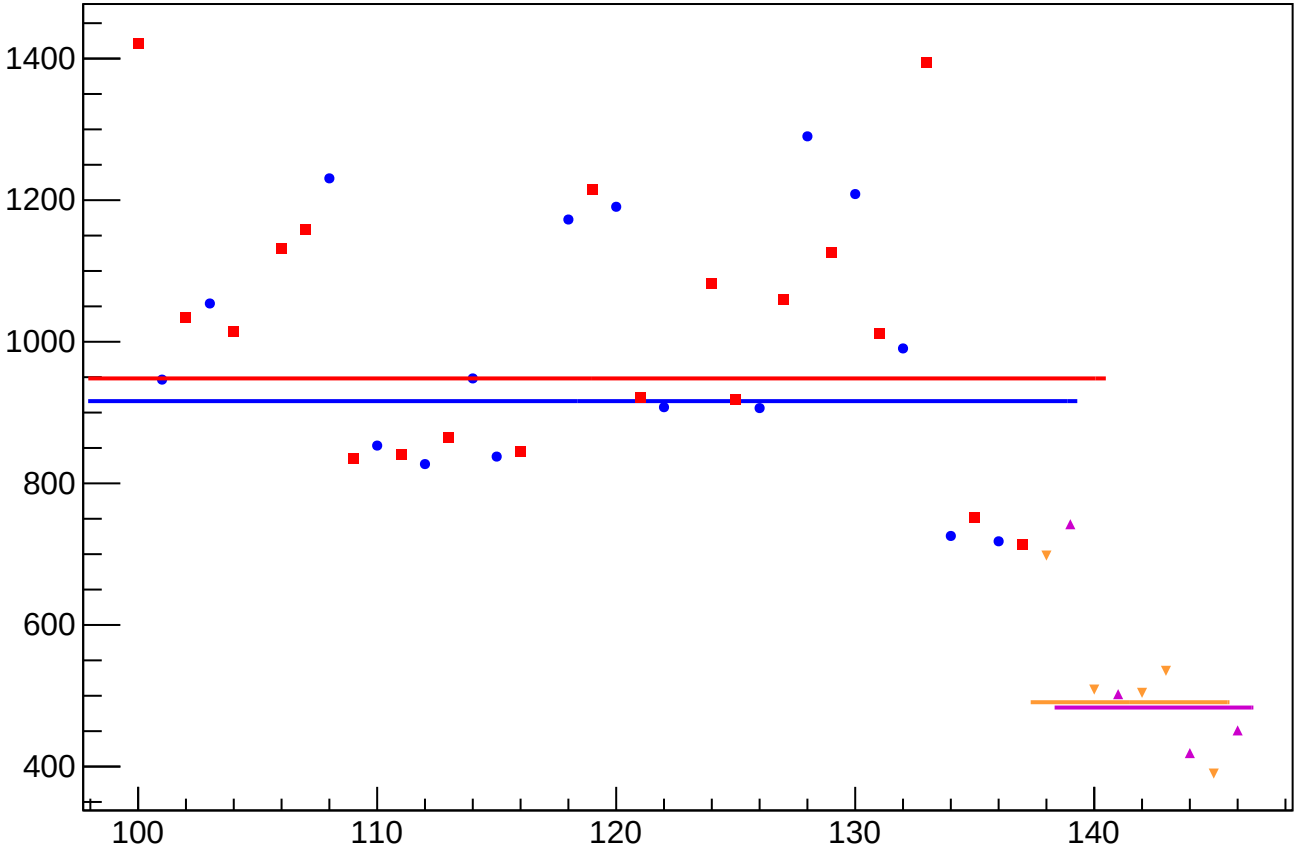
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -0.141+/-210.537 χ^2/NDF:25.7/19

Out: 21.057+/-210.292 χ^2/NDF:27.6/23

All: 10.470+/-148.785 χ^2/NDF: 53.3/43

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: 490.871+/-0.185 χ^2/NDF:254676.1/4

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 483.366+/-0.187 χ^2/NDF:257688.7/3

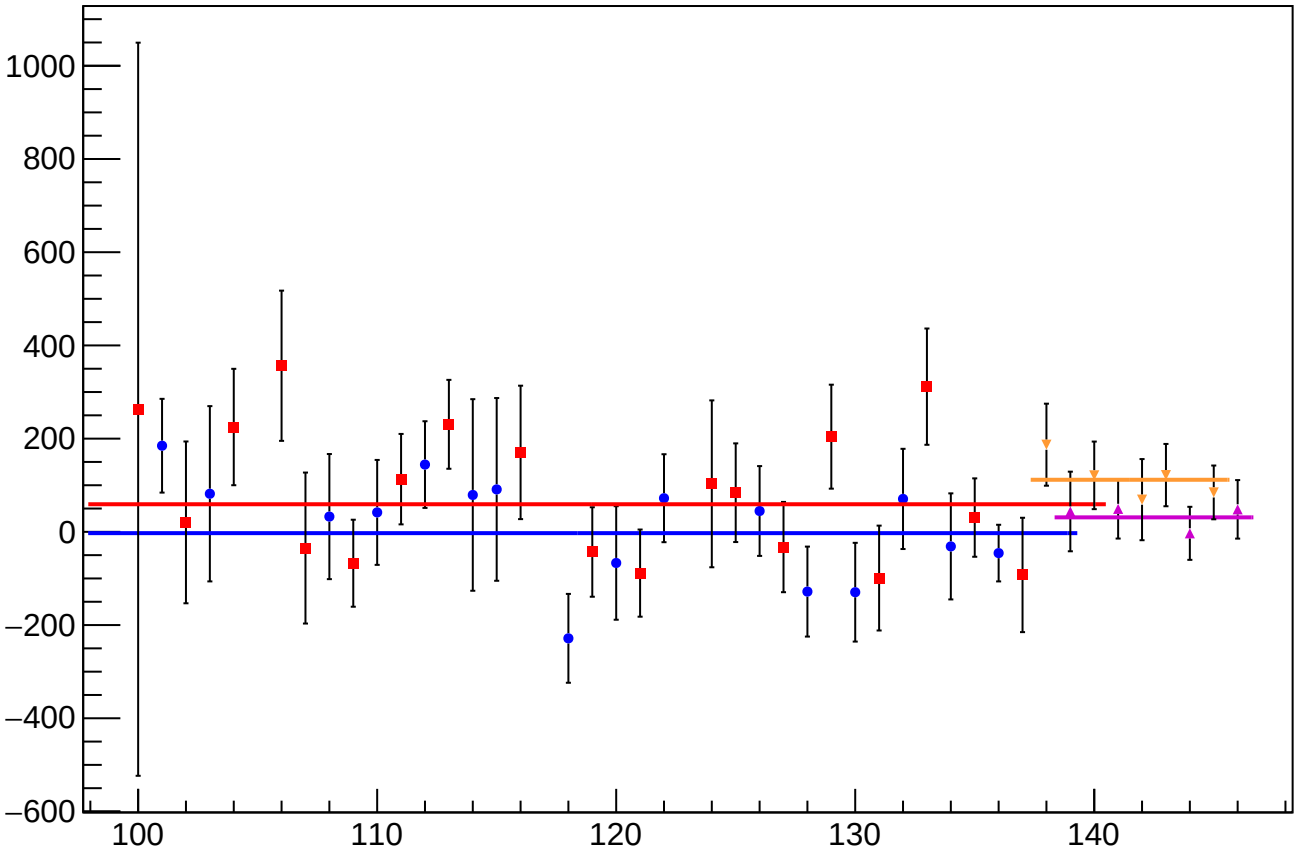
Left: 487.150+/-0.131 χ^2/NDF: 513179.5/8

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 640.981+/-0.149 χ^2/NDF:2723867.0/19

Out: 653.137+/-0.149 χ^2/NDF:2835484.0/23

All: 647.066+/-0.105 χ^2/NDF: 5562688.6/43



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 111.734+/-32.016 χ^2/NDF:1.2/4

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 31.084+/-32.515 χ^2/NDF:0.5/3

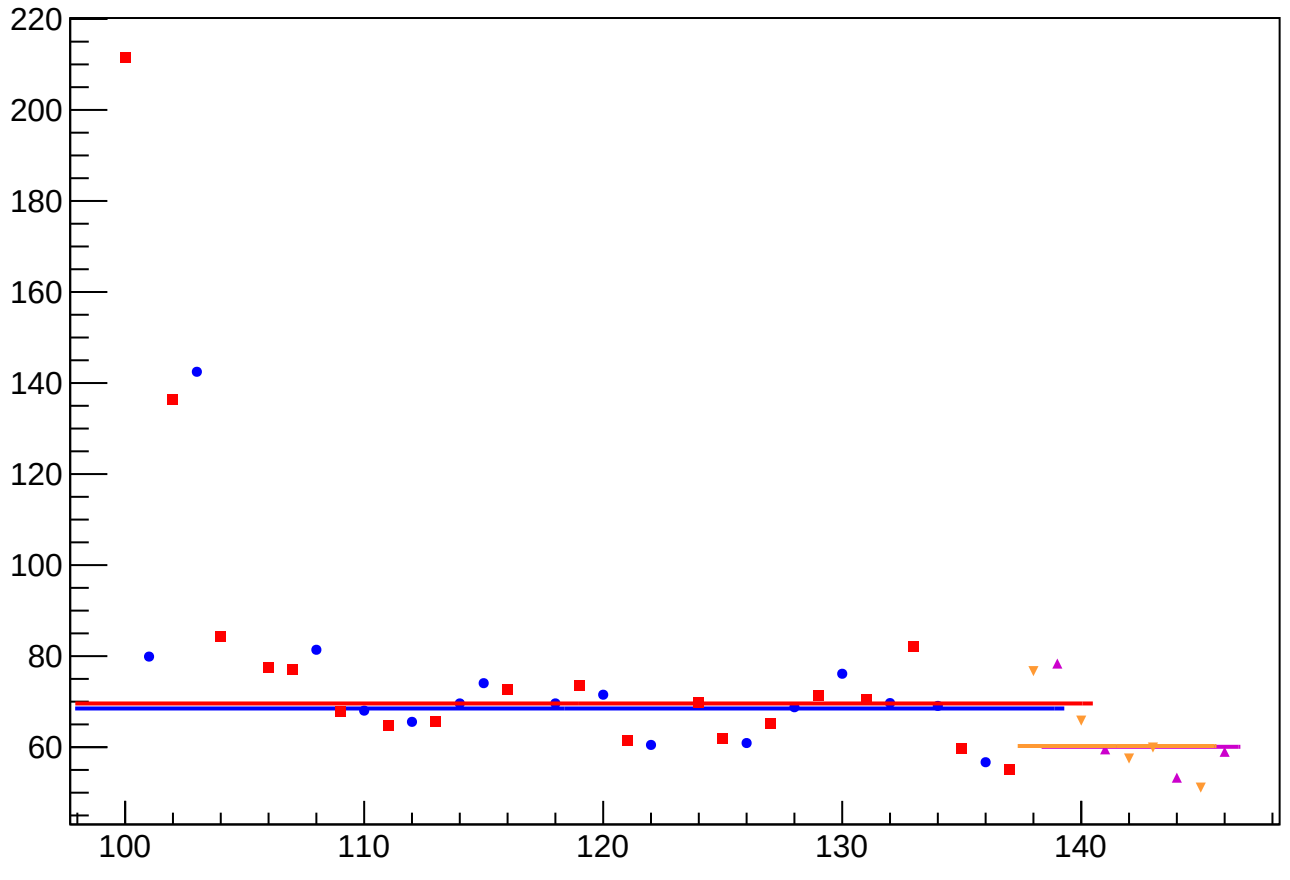
Left: 72.032+/-22.813 χ^2/NDF: 4.9/8

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 10.564+/-20.407 χ^2/NDF:18.9/19

Out: 80.462+/-20.361 χ^2/NDF:28.5/23

All: 45.593+/-14.414 χ^2/NDF: 53.3/43



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.258+/-0.023 χ^2/NDF:133950.2/4

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

Left: 60.170+/-0.016 χ^2/NDF: 254818.7/8

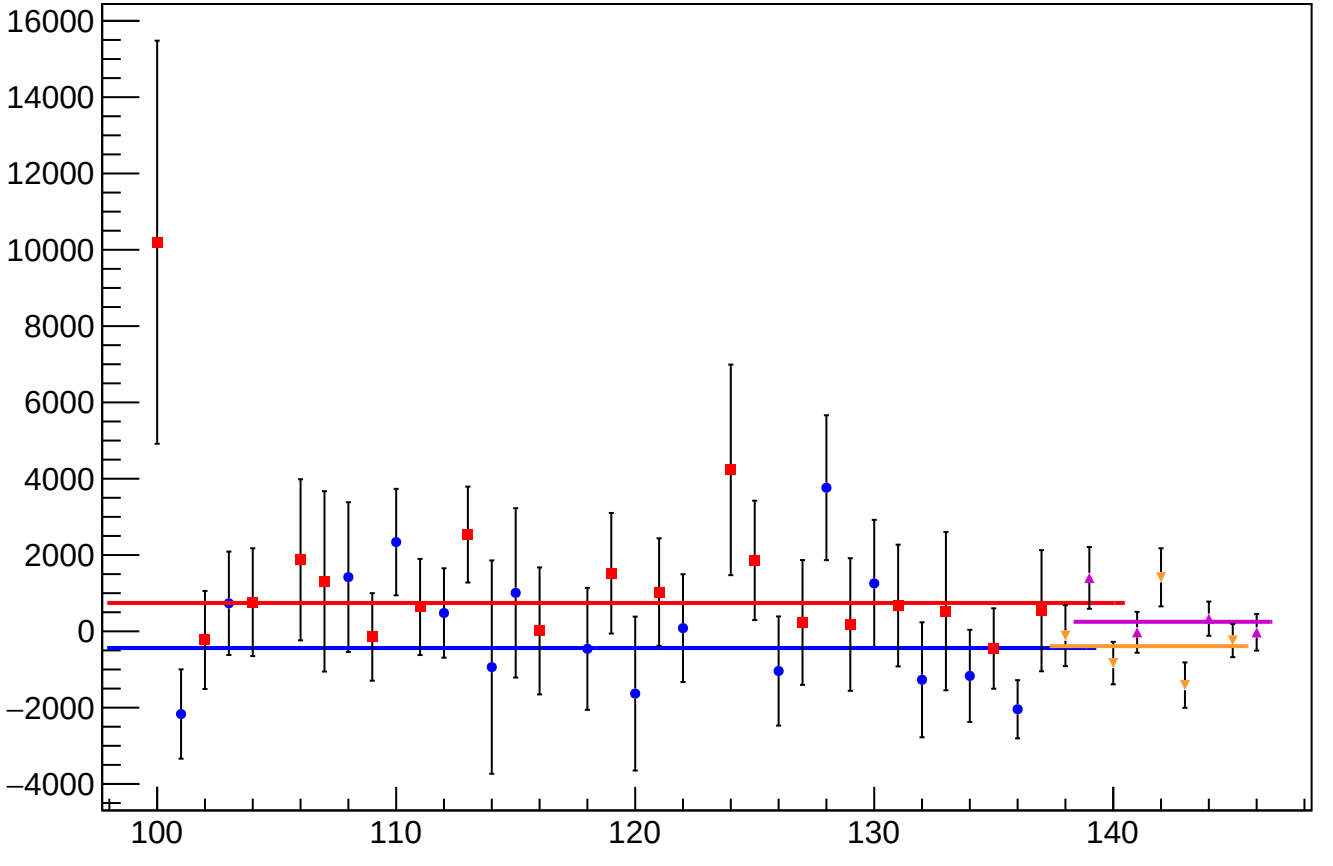
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 65.183+/-0.014 χ^2/NDF:673958.2/19

Out: 65.822+/-0.014 χ^2/NDF:755169.4/23

All: 65.503+/-0.010 χ^2/NDF: 1430111.4/43

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: -388.197+/-261.800 χ^2/NDF:9.4/4

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 250.330+/-264.033 χ^2/NDF:2.7/3

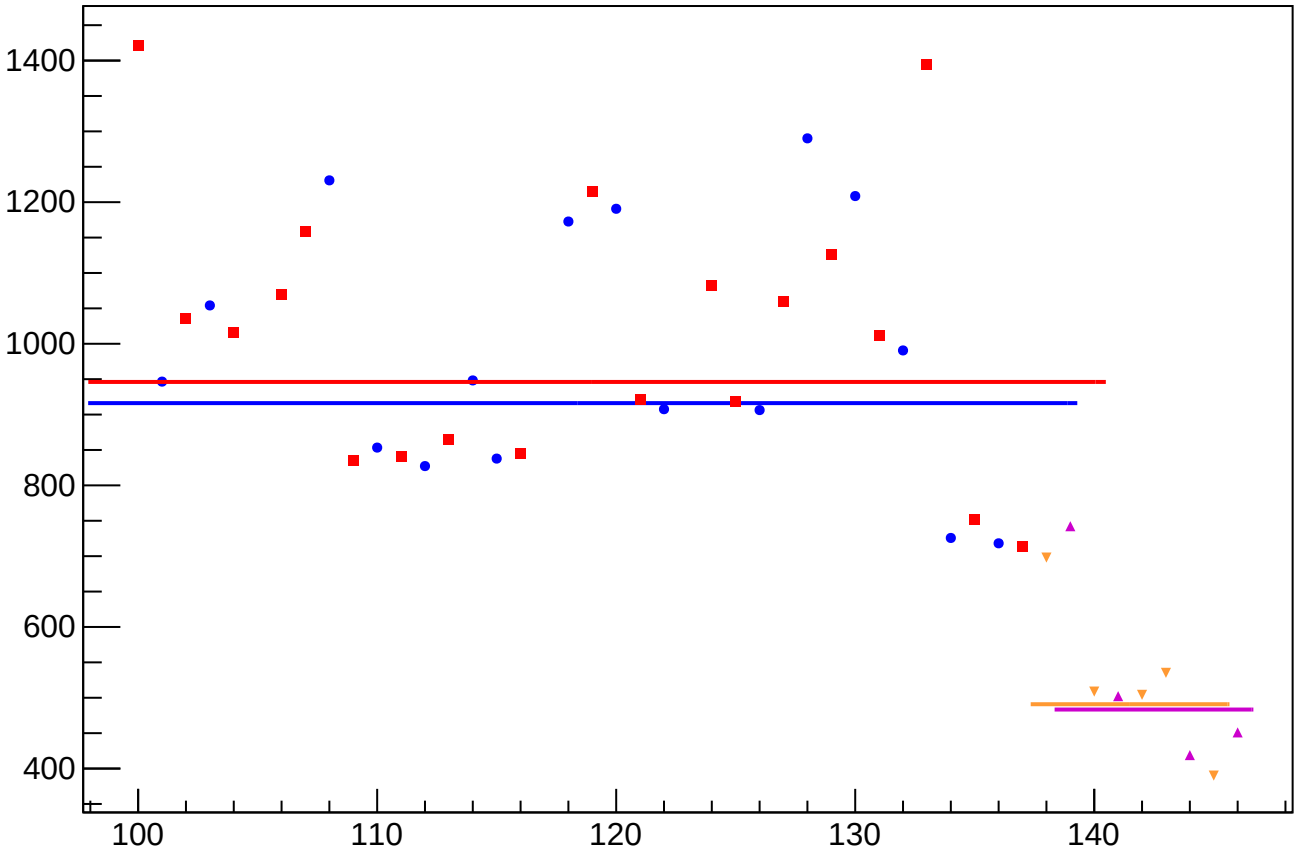
Left: -71.646+/-185.905 χ^2/NDF: 15.0/8

Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -0.126+/-210.537 χ^2/NDF:25.7/19

Out: 12.988+/-210.383 χ^2/NDF:26.9/23

All: 6.436+/-148.818 χ^2/NDF: 52.6/43



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 490.870+/-0.185 χ^2/NDF:254676.1/4

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 483.366+/-0.187 χ^2/NDF:257688.1/3

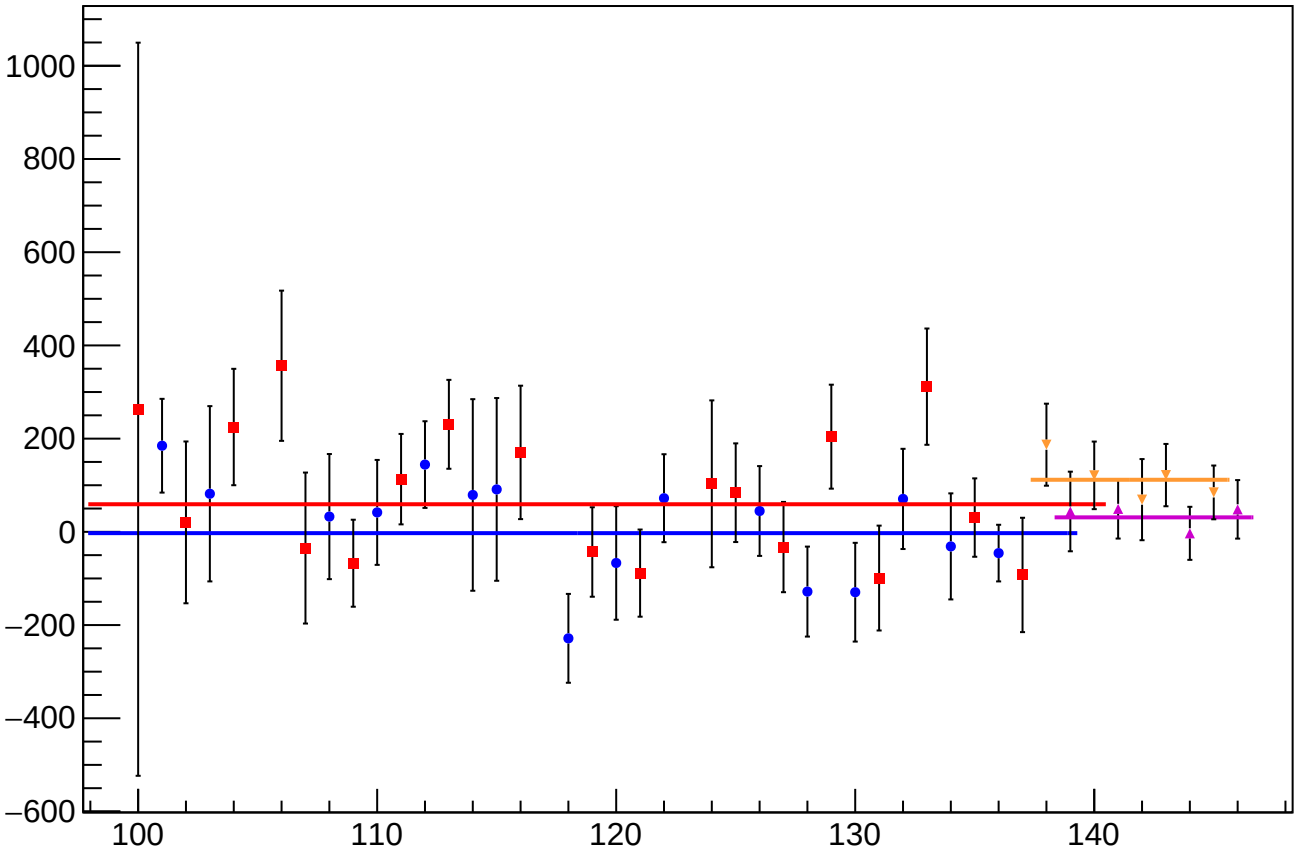
Left: 487.150+/-0.131 χ^2/NDF: 513178.8/8

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 640.982+/-0.149 χ^2/NDF:2723908.1/19

Out: 652.119+/-0.149 χ^2/NDF:2802049.9/23

All: 646.554+/-0.105 χ^2/NDF: 5528758.6/43



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 111.734+/-32.016 χ^2/NDF:1.2/4

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 31.084+/-32.515 χ^2/NDF:0.5/3

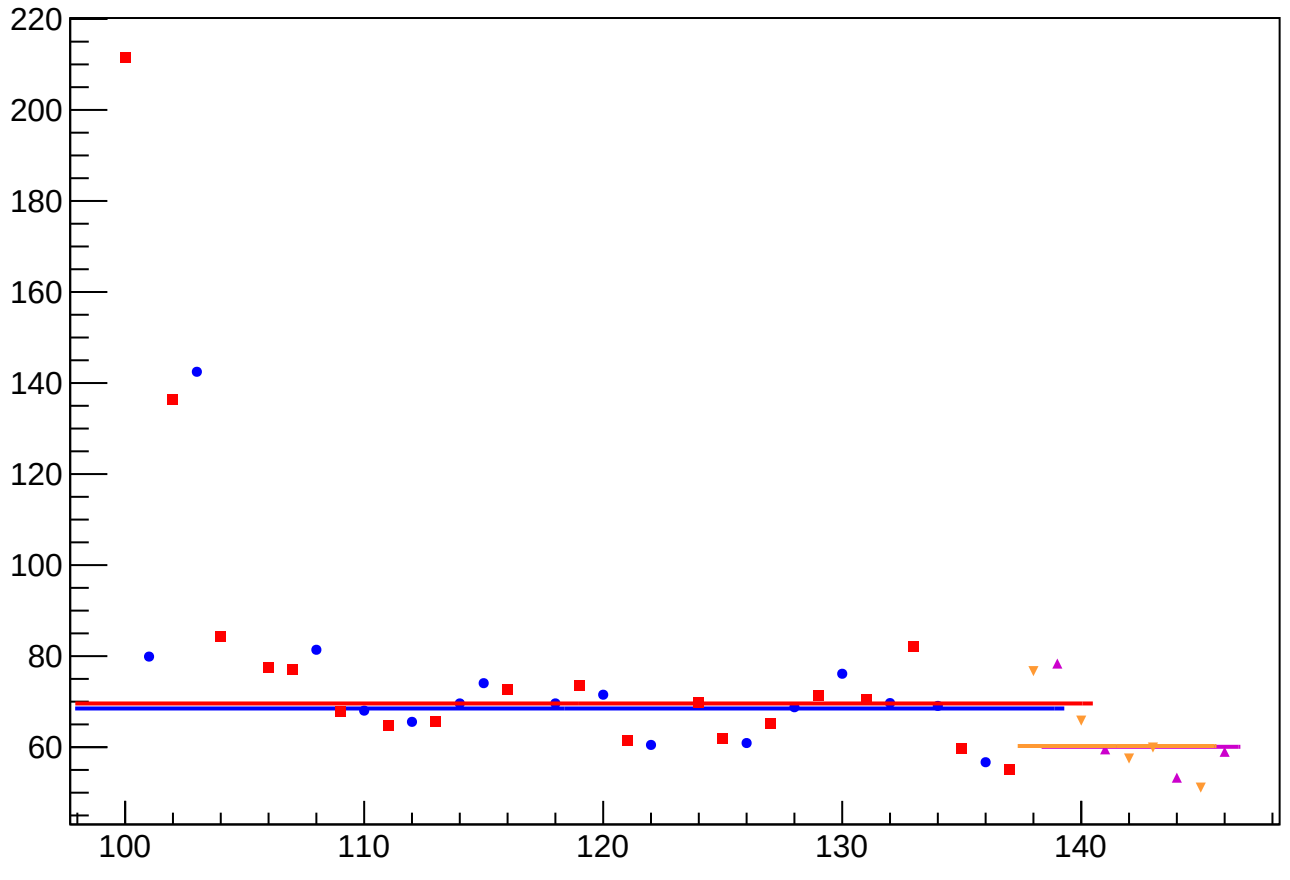
Left: 72.032+/-22.813 χ^2/NDF: 4.9/8

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 10.564+/-20.407 χ^2/NDF:18.9/19

Out: 80.462+/-20.361 χ^2/NDF:28.5/23

All: 45.593+/-14.414 χ^2/NDF: 53.3/43



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.258+/-0.023 χ^2/NDF:133950.2/4

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

Left: 60.170+/-0.016 χ^2/NDF: 254818.7/8

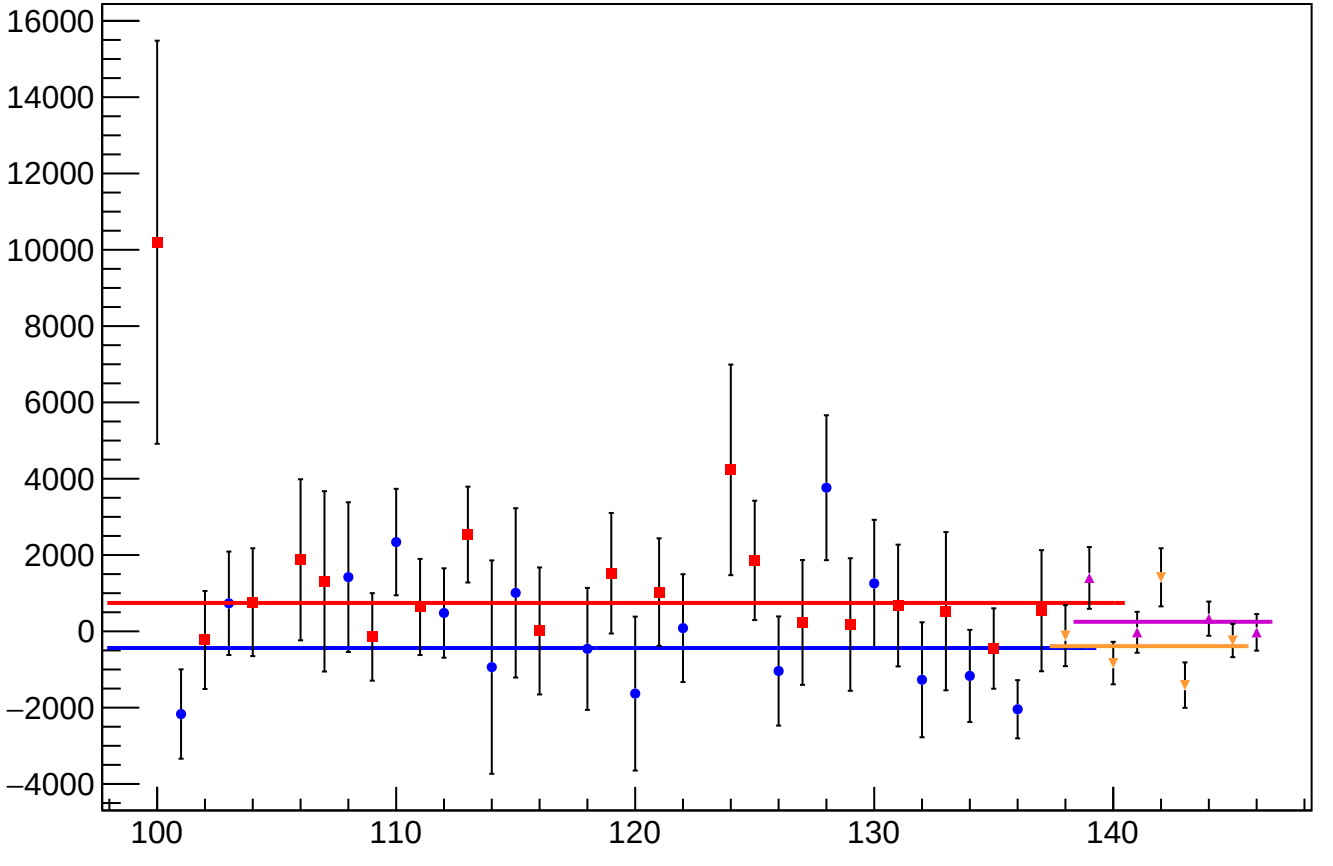
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 65.183+/-0.014 χ^2/NDF:673958.2/19

Out: 65.822+/-0.014 χ^2/NDF:755169.4/23

All: 65.503+/-0.010 χ^2/NDF: 1430111.4/43

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: -388.197+/-261.800 χ^2/NDF:9.4/4

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 250.330+/-264.033 χ^2/NDF:2.7/3

Left: -71.646+/-185.905 χ^2/NDF: 15.0/8

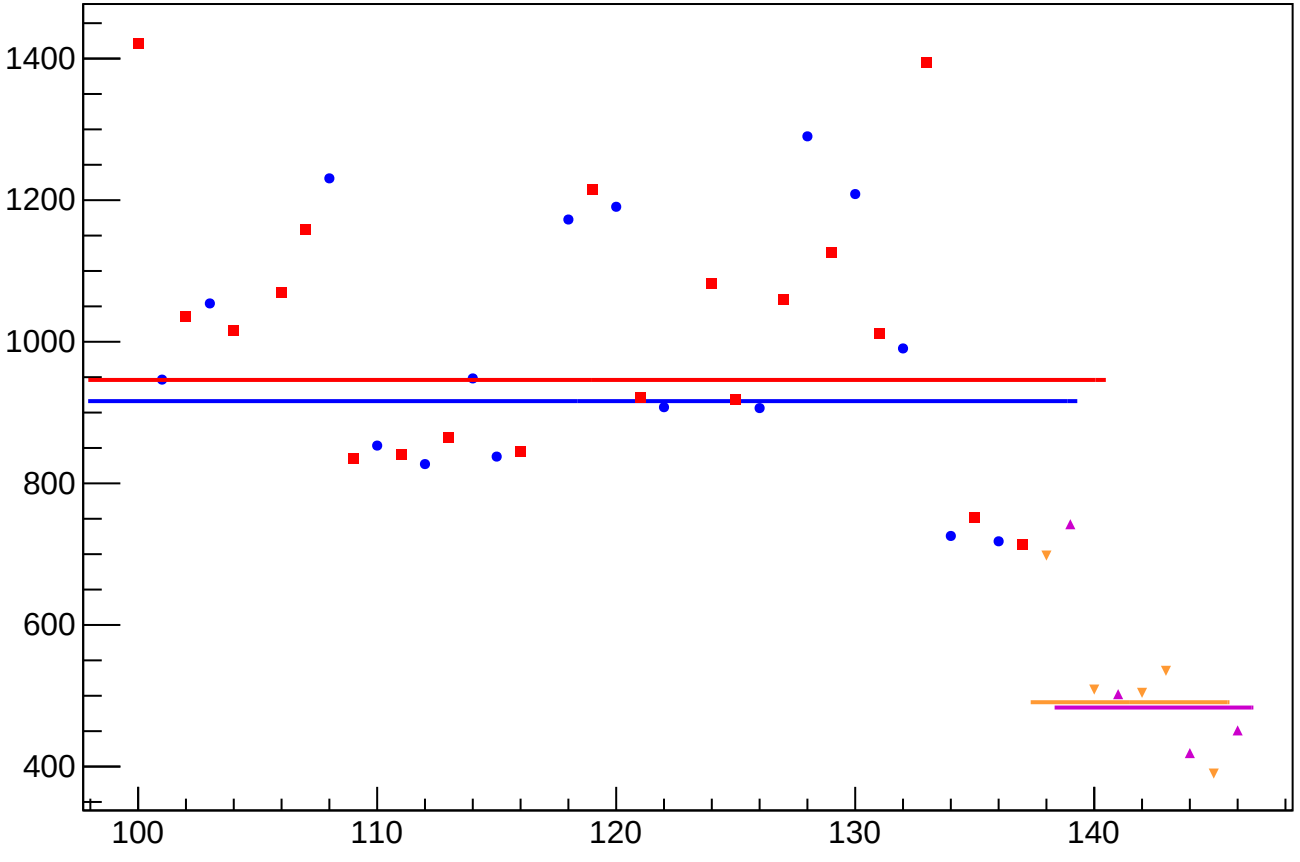
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -0.126+/-210.537 χ^2/NDF:25.7/19

Out: 12.988+/-210.383 χ^2/NDF:26.9/23

All: 6.436+/-148.818 χ^2/NDF: 52.6/43

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: 490.870+/-0.185 χ^2/NDF:254676.1/4

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 483.366+/-0.187 χ^2/NDF:257688.1/3

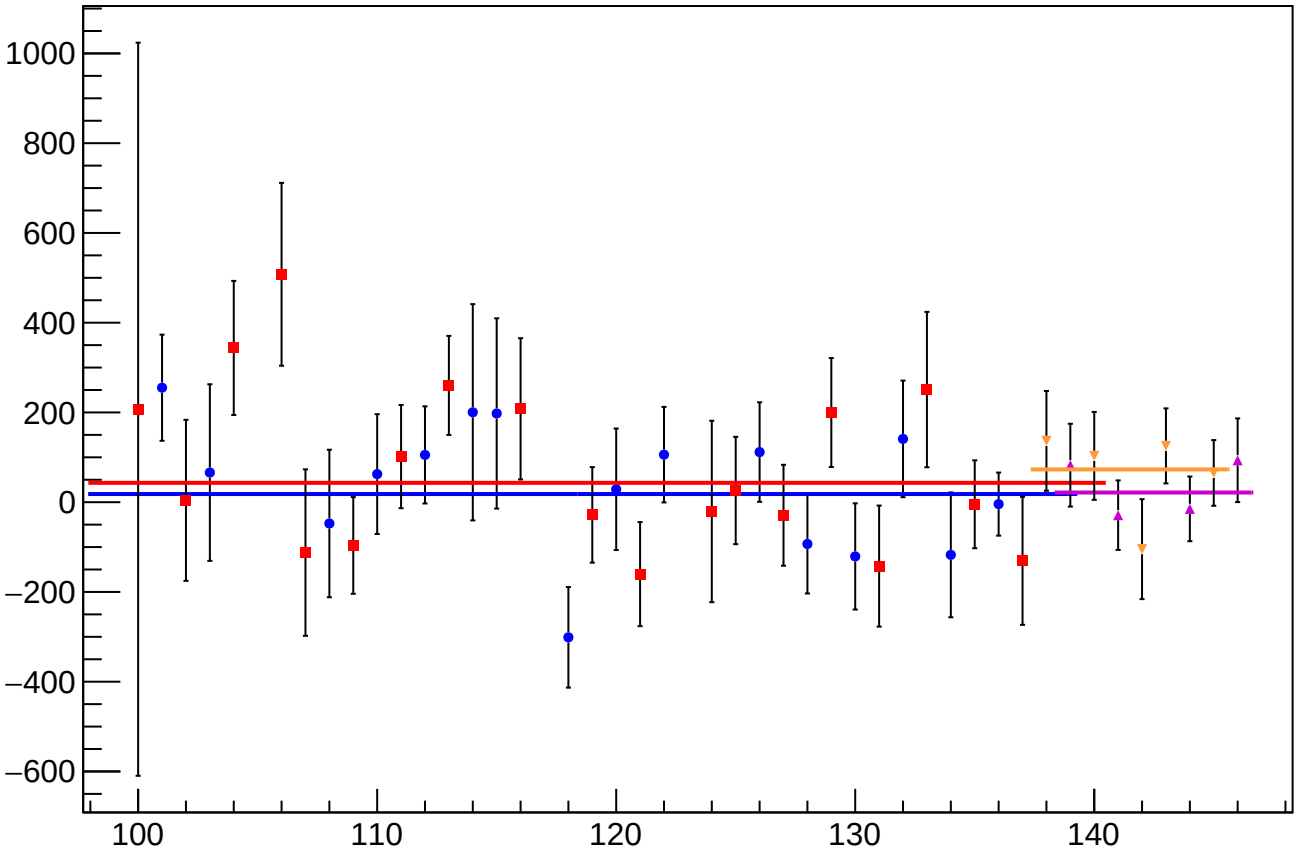
Left: 487.150+/-0.131 χ^2/NDF: 513178.8/8

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 640.982+/-0.149 χ^2/NDF:2723908.1/19

Out: 652.119+/-0.149 χ^2/NDF:2802049.9/23

All: 646.554+/-0.105 χ^2/NDF: 5528758.6/43



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 73.035+/-40.972 χ^2/NDF:3.4/4

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 21.555+/-41.108 χ^2/NDF:1.7/3

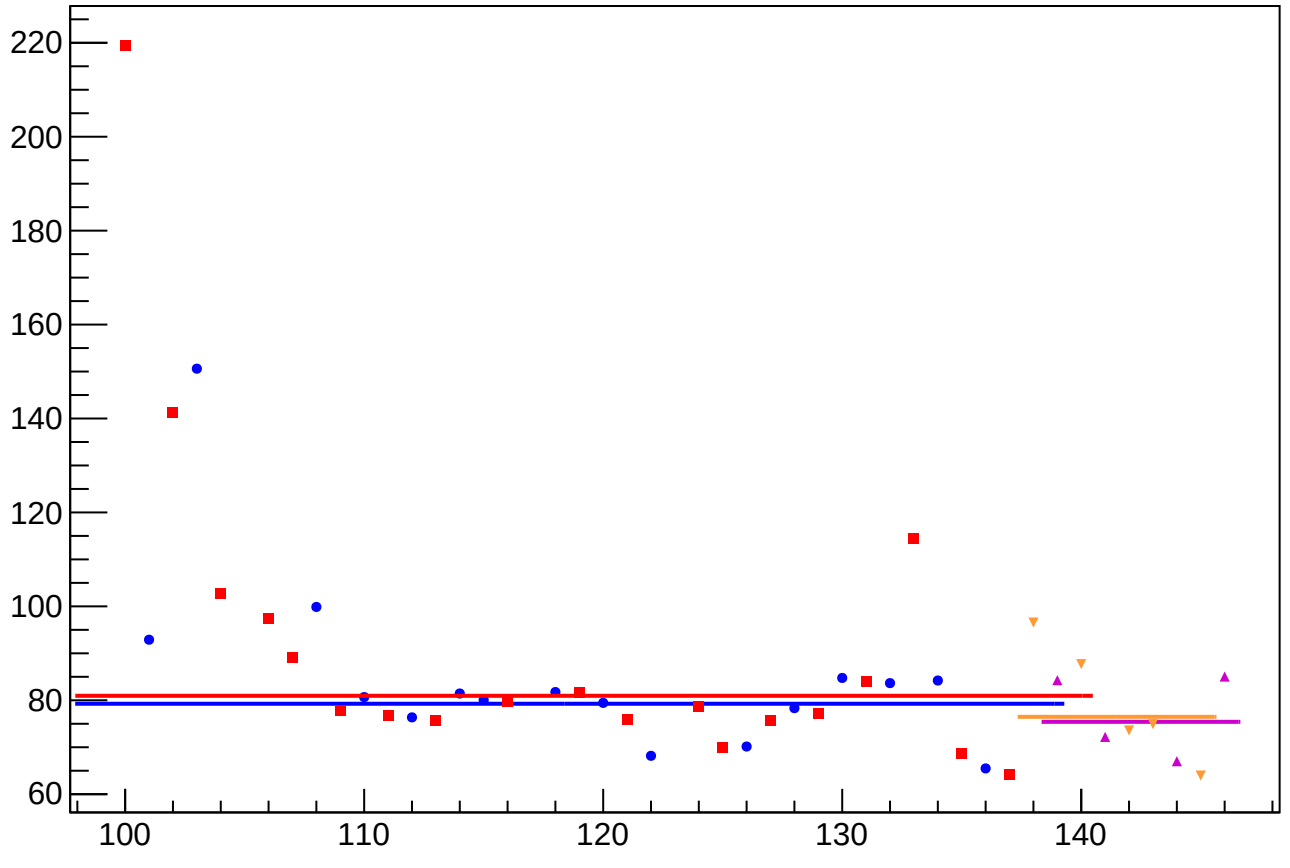
Left: 47.380+/-29.020 χ^2/NDF: 5.9/8

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 19.367+/-24.414 χ^2/NDF:21.9/19

Out: 53.896+/-24.572 χ^2/NDF:31.4/23

All: 36.521+/-17.319 χ^2/NDF: 54.3/43



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 76.480+/-0.029 χ^2/NDF:151917.2/4

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 75.413+/-0.029 χ^2/NDF:70406.2/3

Left: 75.949+/-0.021 χ^2/NDF: 222999.5/8

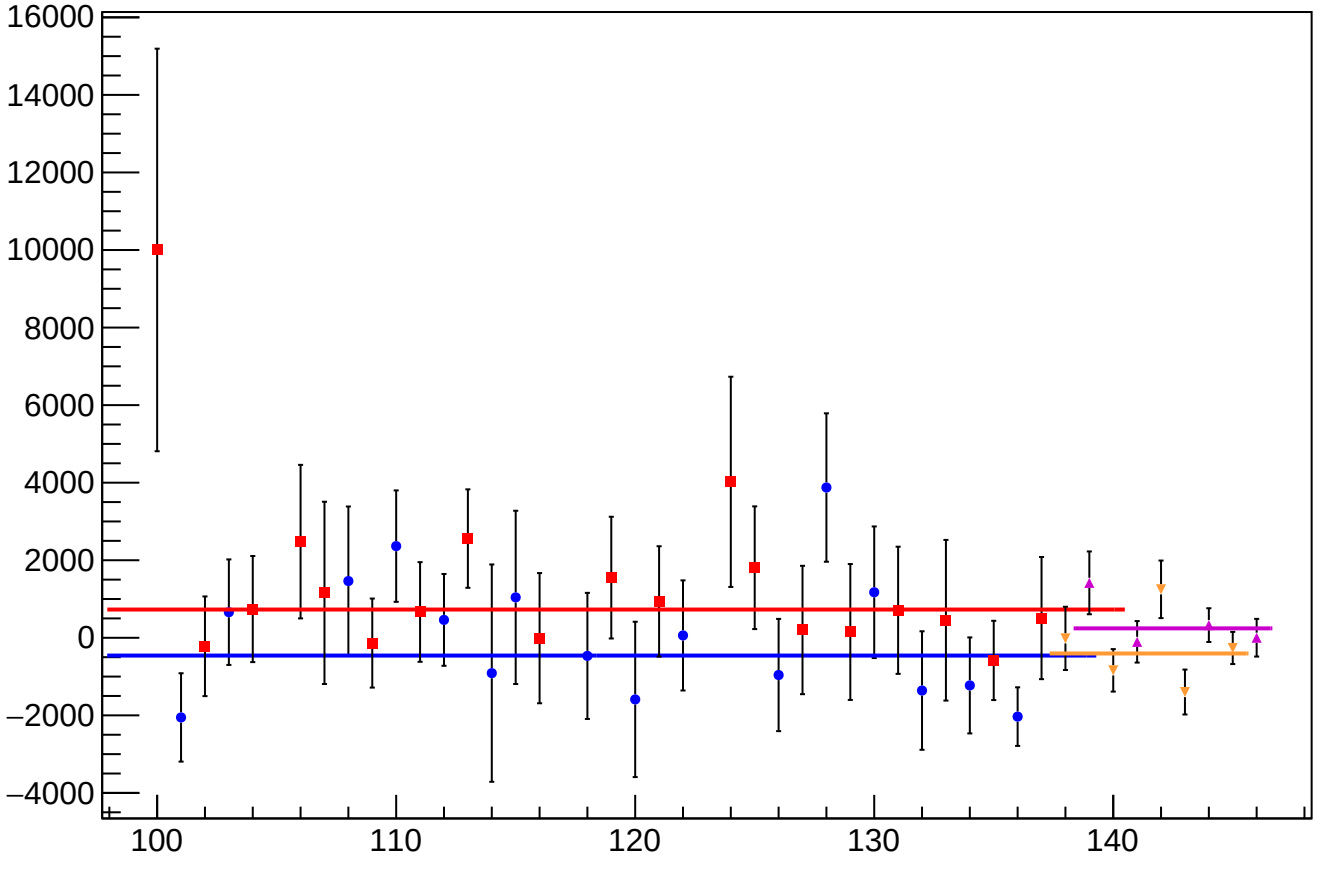
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 77.905+/-0.017 χ^2/NDF:526710.3/19

Out: 79.348+/-0.017 χ^2/NDF:681396.2/23

All: 78.622+/-0.012 χ^2/NDF: 1211575.6/43

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: -404.418+/-254.466 χ^2/NDF:8.9/4

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 243.280+/-262.421 χ^2/NDF:2.8/3

Left: -90.535+/-182.682 χ^2/NDF: 14.8/8

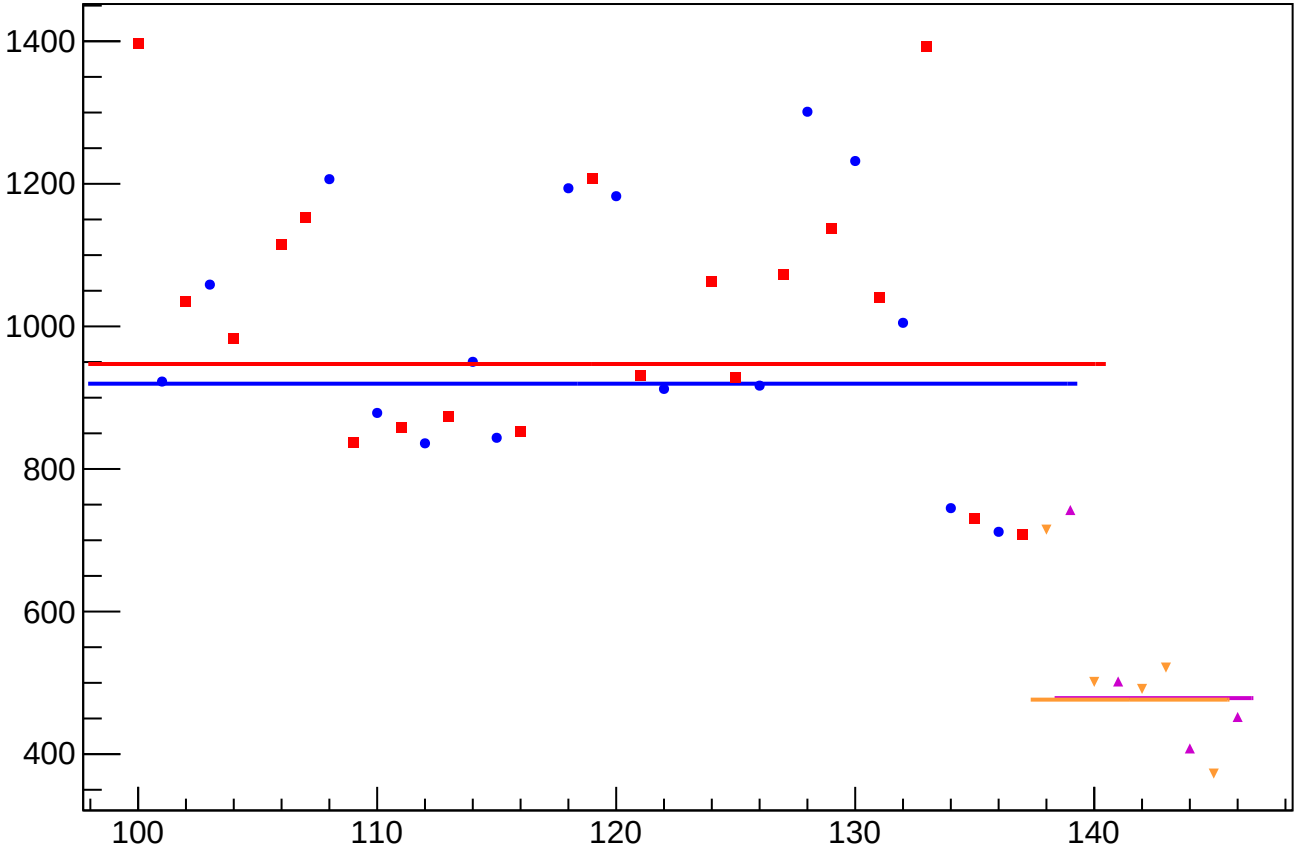
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -9.053+/-209.976 χ^2/NDF:25.7/19

Out: -16.312+/-206.337 χ^2/NDF:27.2/23

All: -12.746+/-147.172 χ^2/NDF: 52.9/43

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: 476.454+/-0.180 χ^2/NDF:312812.4/4

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 478.580+/-0.186 χ^2/NDF:274696.8/3

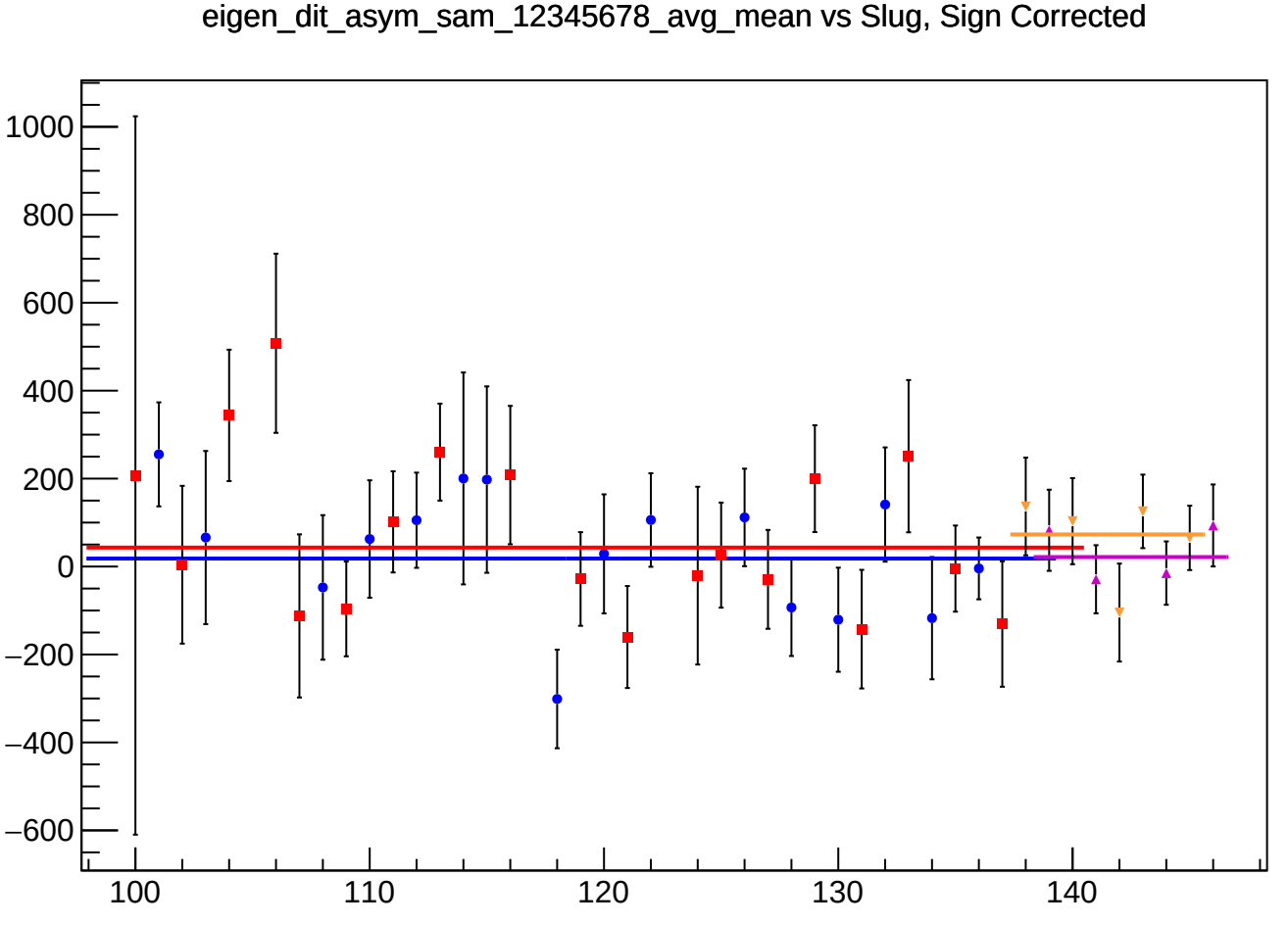
Left: 477.485+/-0.129 χ^2/NDF: 587576.8/8

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 637.257+/-0.148 χ^2/NDF:2822685.6/19

Out: 637.708+/-0.146 χ^2/NDF:3083326.3/23

All: 637.486+/-0.104 χ^2/NDF: 5906016.6/43



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 73.035+/-40.972 χ^2/NDF:3.4/4

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 21.556+/-41.108 χ^2/NDF:1.7/3

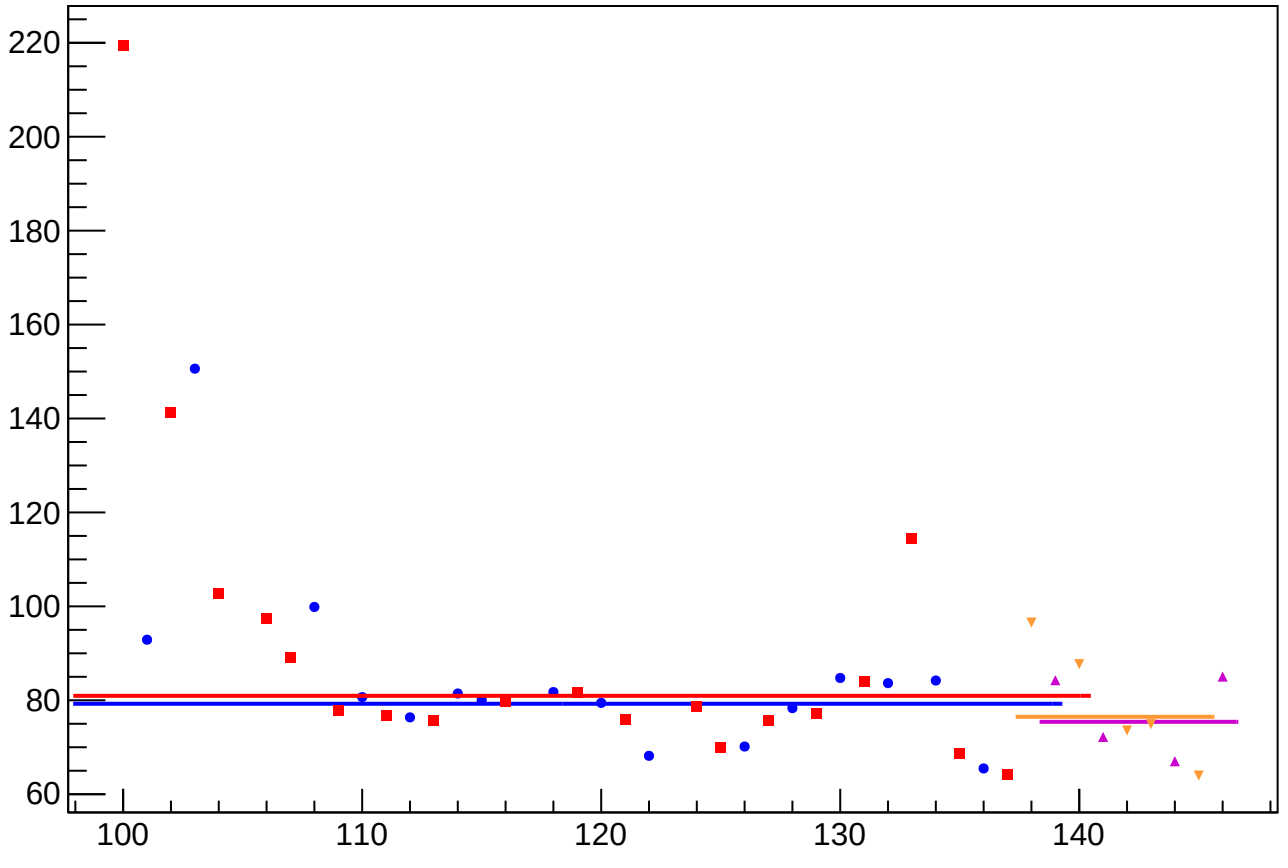
Left: 47.380+/-29.020 χ^2/NDF: 5.9/8

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 19.367+/-24.414 χ^2/NDF:21.9/19

Out: 53.894+/-24.572 χ^2/NDF:31.4/23

All: 36.520+/-17.319 χ^2/NDF: 54.3/43



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 76.481+/-0.029 χ^2/NDF:151908.7/4

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 75.414+/-0.029 χ^2/NDF:70405.1/3

Left: 75.949+/-0.021 χ^2/NDF: 222990.0/8

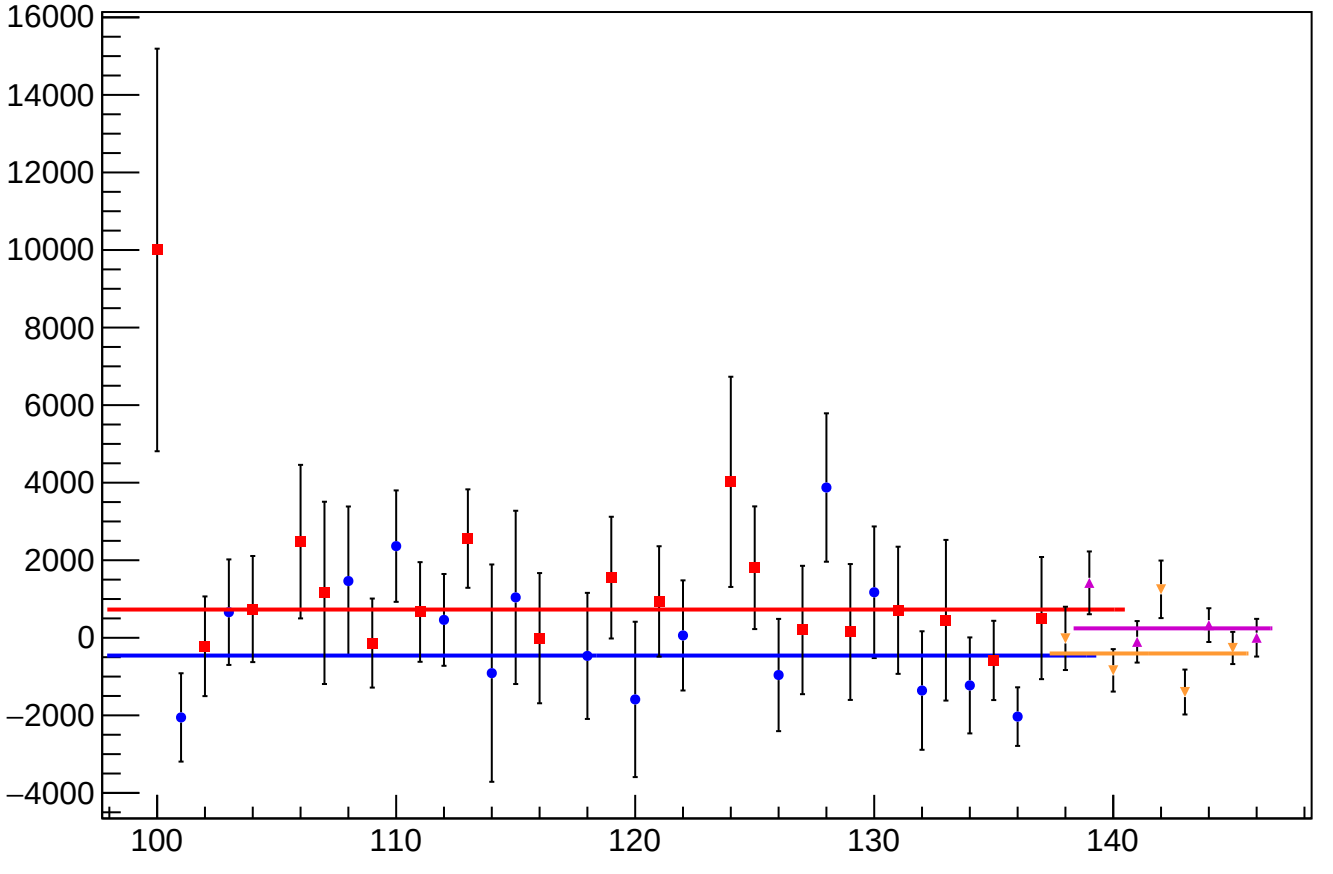
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 77.905+/-0.017 χ^2/NDF:526703.0/19

Out: 79.348+/-0.017 χ^2/NDF:681391.9/23

All: 78.622+/-0.012 χ^2/NDF: 1211564.3/43

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: -404.420+/-254.465 χ^2/NDF:8.9/4

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 243.281+/-262.421 χ^2/NDF:2.8/3

Left: -90.536+/-182.682 χ^2/NDF: 14.8/8

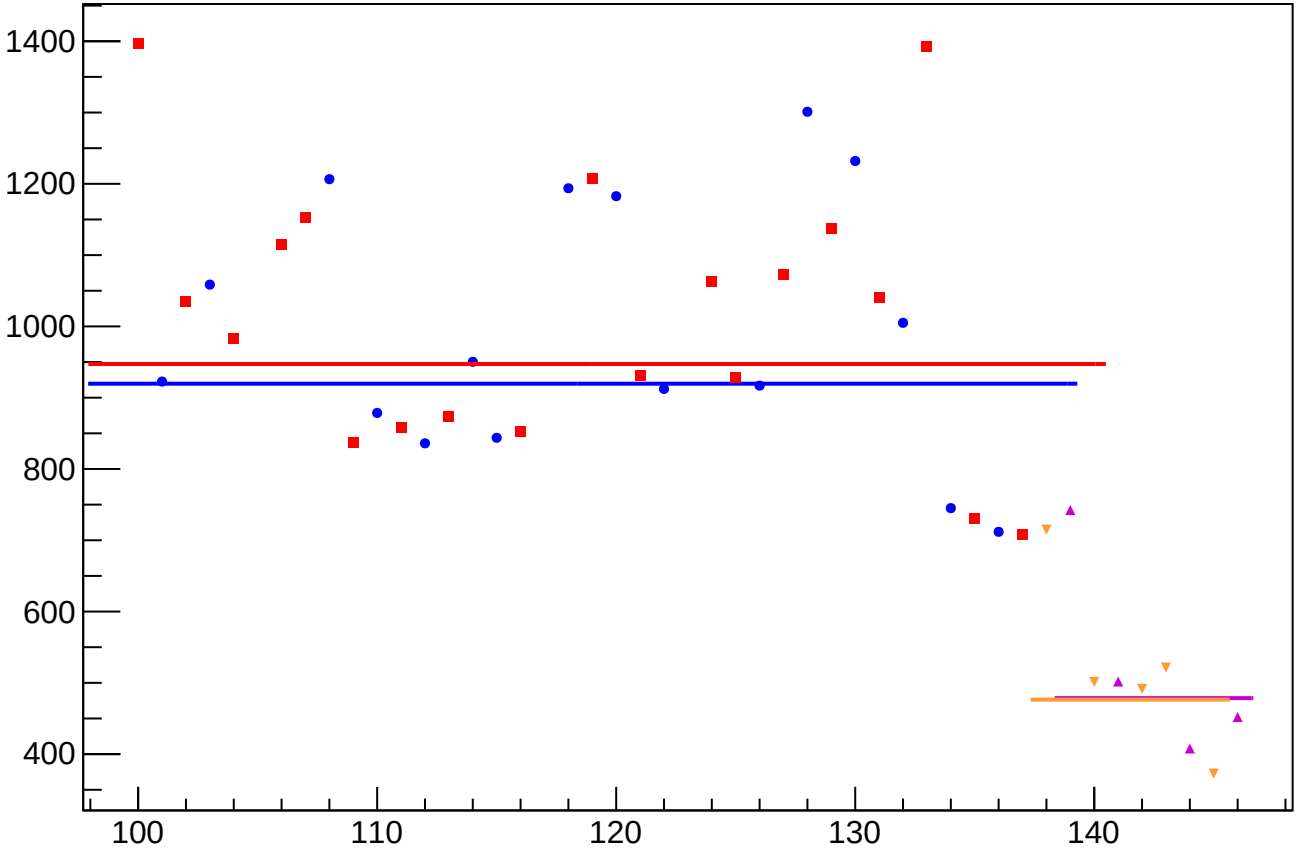
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -9.052+/-209.975 χ^2/NDF:25.7/19

Out: -16.314+/-206.337 χ^2/NDF:27.2/23

All: -12.746+/-147.172 χ^2/NDF: 52.9/43

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: 476.453+/-0.180 χ^2/NDF:312813.7/4

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 478.580+/-0.186 χ^2/NDF:274695.9/3

Left: 477.484+/-0.129 χ^2/NDF: 587577.3/8

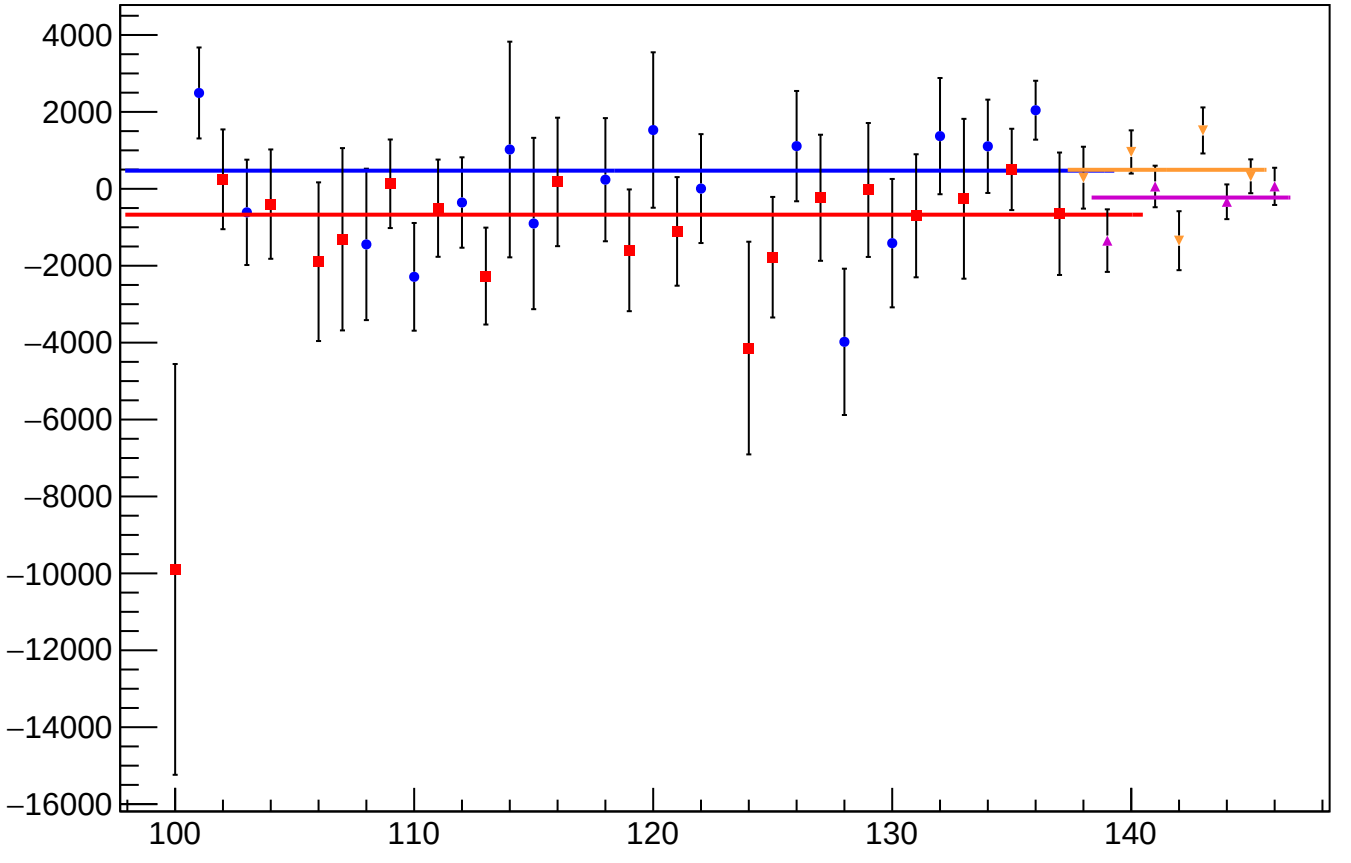
Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 637.256+/-0.148 χ^2/NDF:2822679.2/19

Out: 637.706+/-0.146 χ^2/NDF:3083327.6/23

All: 637.485+/-0.104 χ^2/NDF: 5906011.5/43

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 494.517+/-263.863 χ^2/NDF:9.6/4

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -227.063+/-266.151 χ^2/NDF:2.6/3

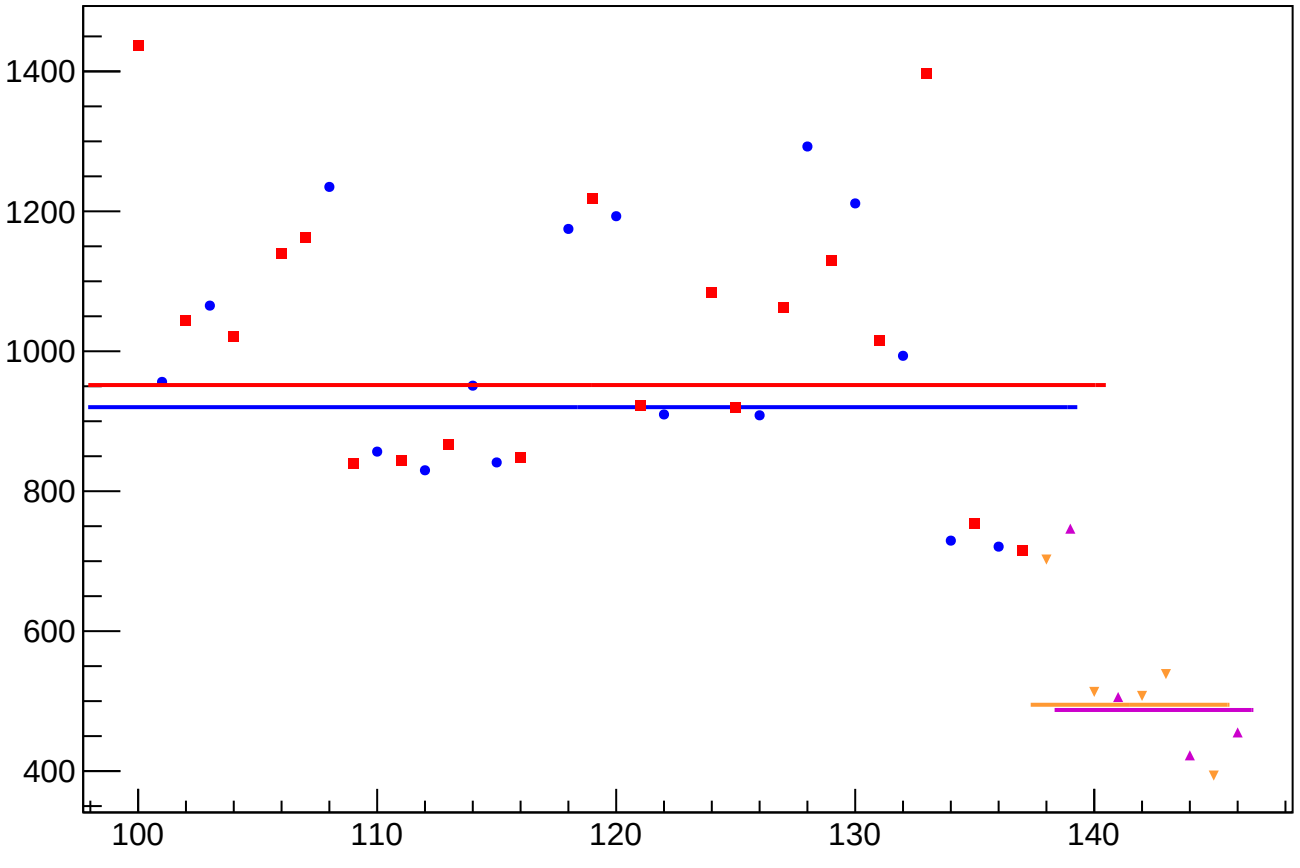
Left: 136.841+/-187.383 χ^2/NDF: 15.9/8

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 28.723+/-211.939 χ^2/NDF:26.6/19

Out: 78.472+/-211.668 χ^2/NDF:26.9/23

All: 53.629+/-149.768 χ^2/NDF: 53.5/43



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 494.812+/-0.187 χ^2/NDF:252124.1/4

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 487.348+/-0.188 χ^2/NDF:255247.9/3

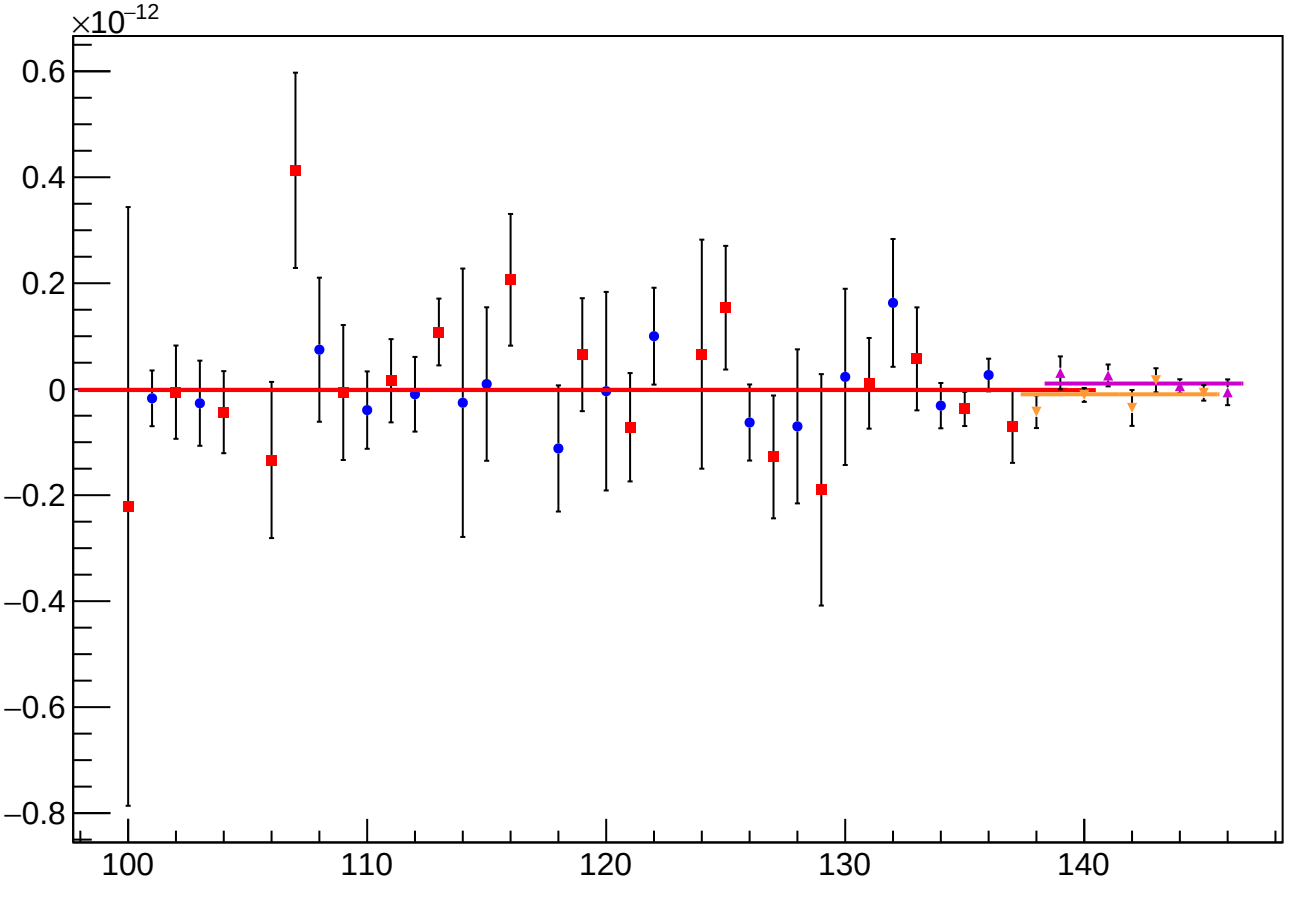
Left: 491.112+/-0.132 χ^2/NDF: 508165.4/8

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 645.697+/-0.150 χ^2/NDF:2698811.1/19

Out: 657.698+/-0.150 χ^2/NDF:2806156.3/23

All: 651.706+/-0.106 χ^2/NDF: 5508177.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

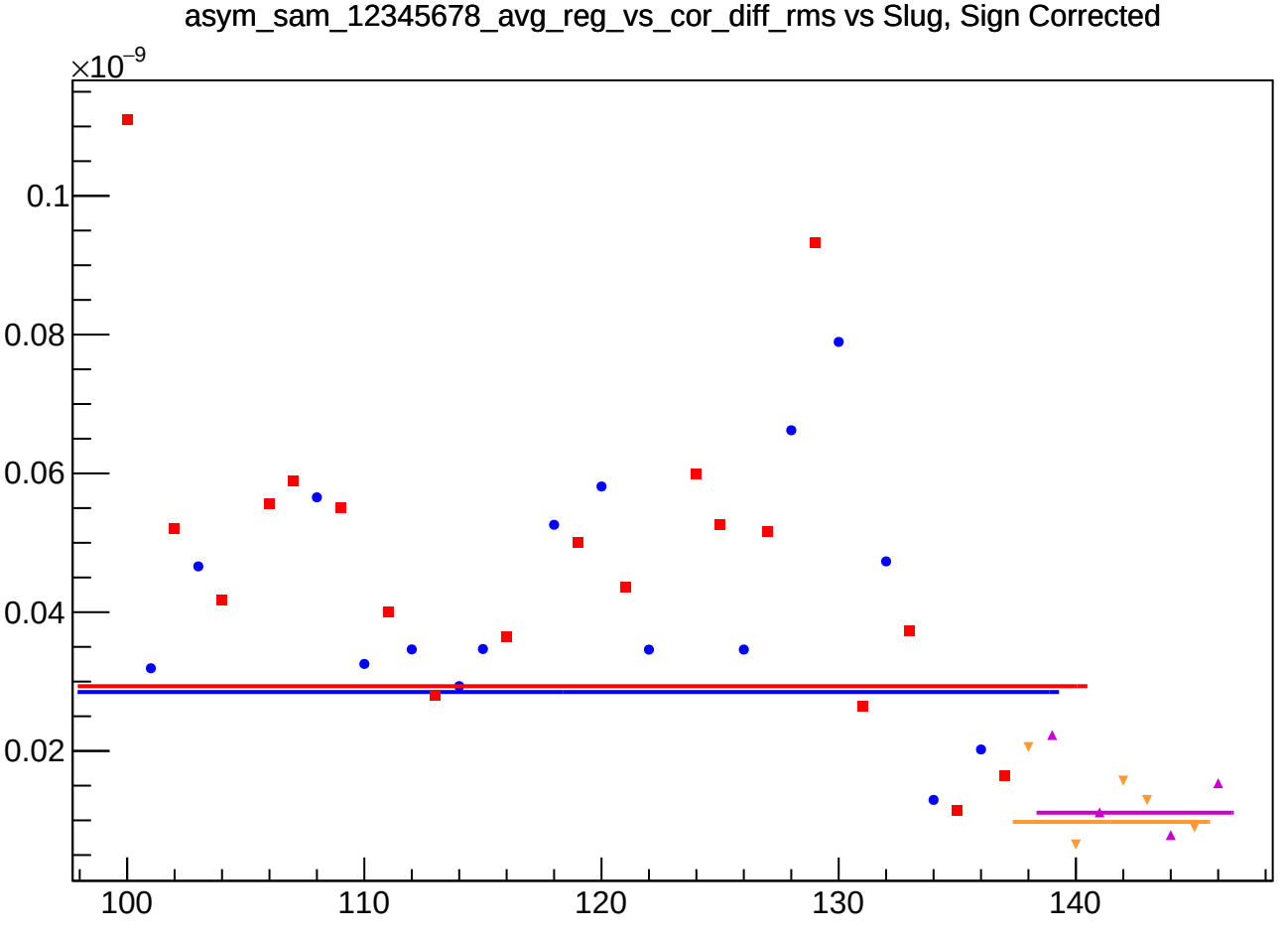
Left: -0.000+/-0.000 χ^2/NDF: 7.3/8

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:9.0/19

Out: -0.000+/-0.000 χ^2/NDF:22.7/23

All: -0.000+/-0.000 χ^2/NDF: 33.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:473498.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:443112.0/3

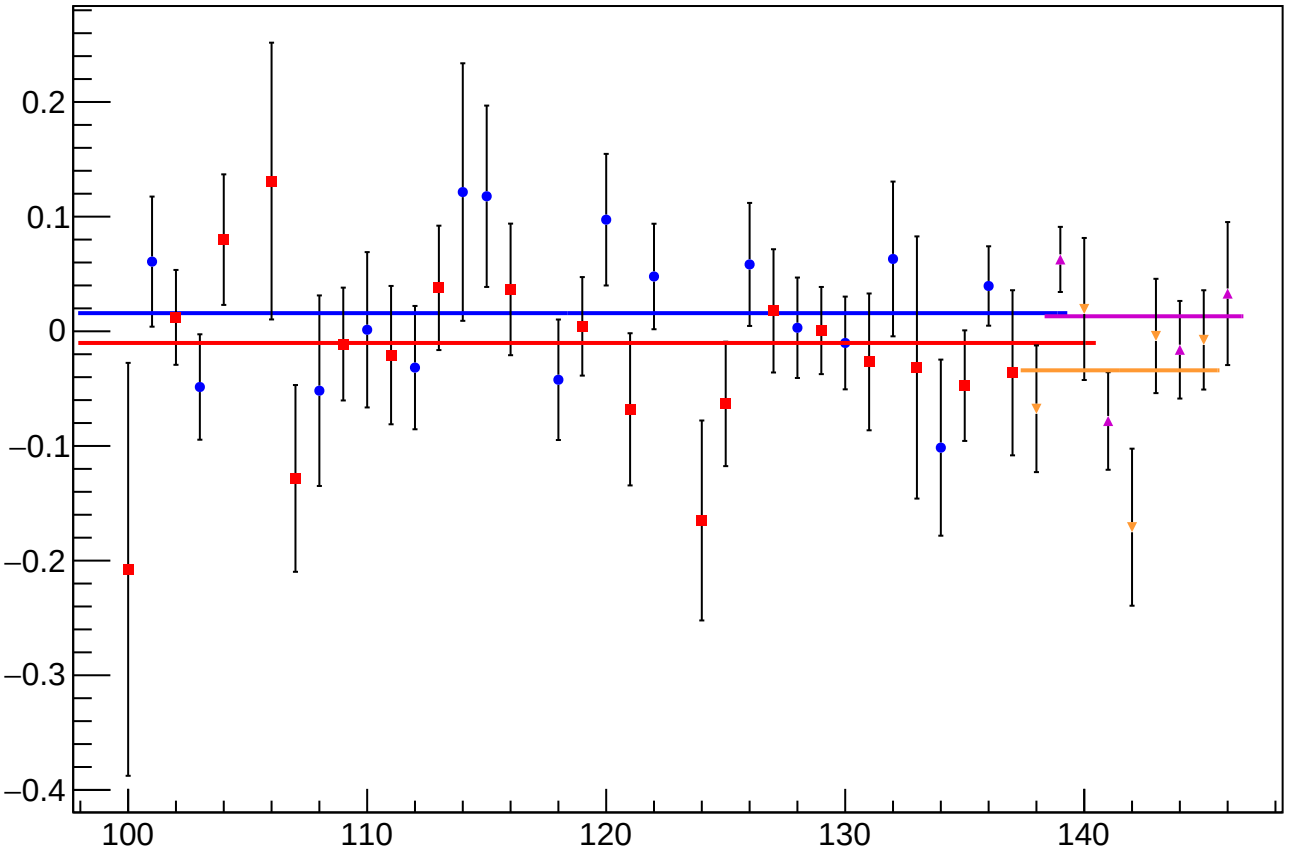
Left: 0.000+/-0.000 χ^2/NDF: 938487.0/8

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3089189.5/19

Out: 0.000+/-0.000 χ^2/NDF:3855435.1/23

All: 0.000+/-0.000 χ^2/NDF: 7016171.7/43



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.034+/-0.024 χ^2/NDF:5.8/4

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.013+/-0.020 χ^2/NDF:8.2/3

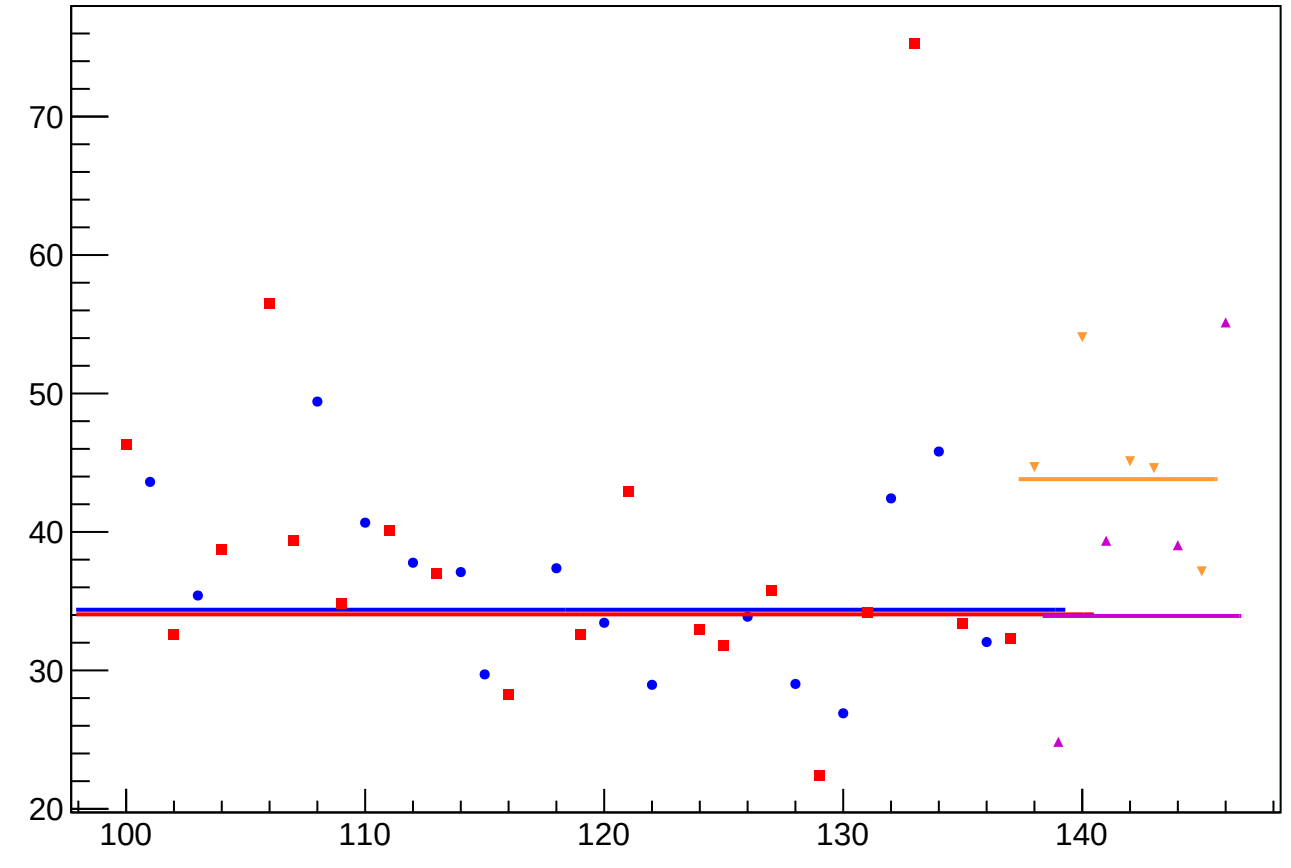
Left: -0.006+/-0.015 χ^2/NDF: 16.4/8

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.015+/-0.011 χ^2/NDF:23.0/19

Out: -0.016+/-0.012 χ^2/NDF:21.7/23

All: 0.000+/-0.008 χ^2/NDF: 48.4/43



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 43.813+/-0.017 χ^2/NDF:103813.6/4

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.933+/-0.014 χ^2/NDF:497534.3/3

Left: 37.889+/-0.011 χ^2/NDF: 804709.8/8

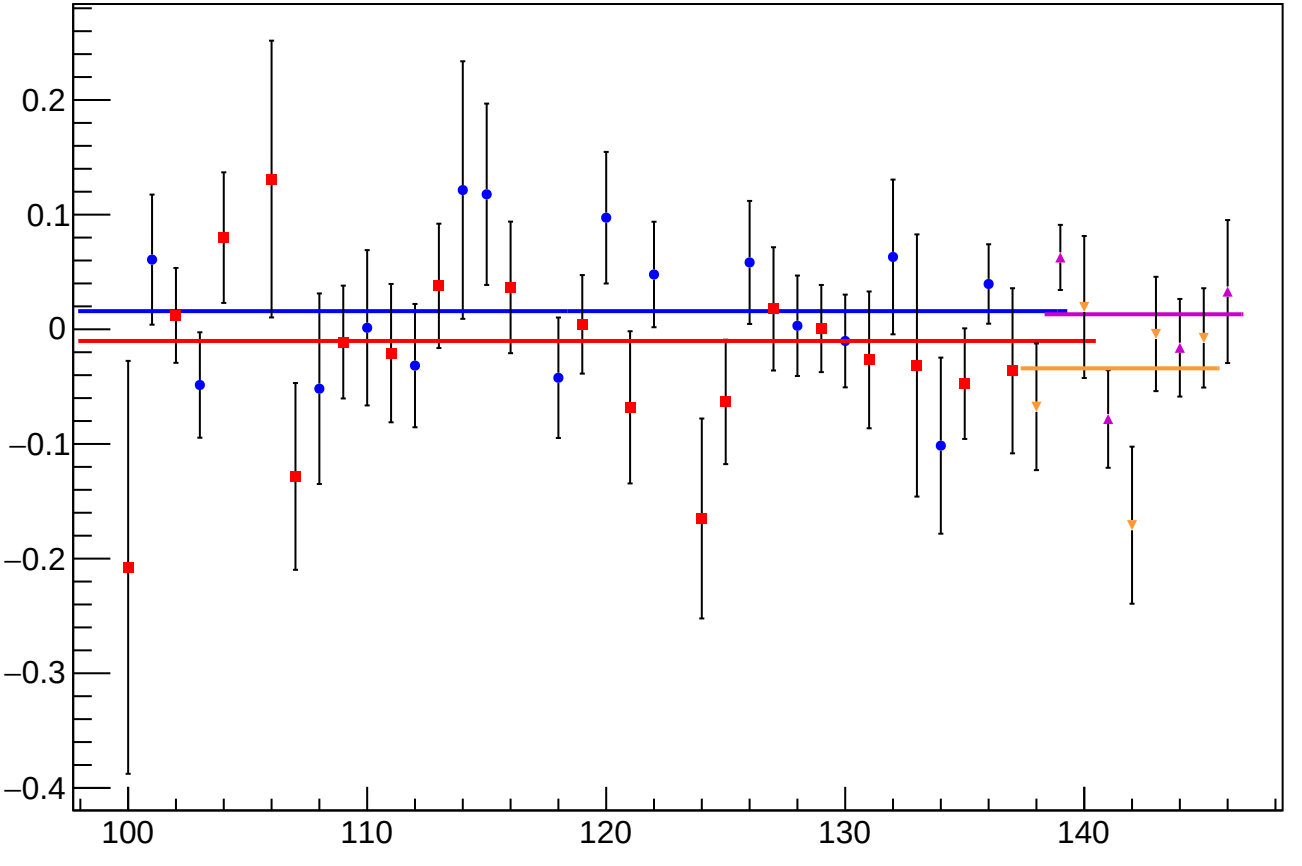
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.239+/-0.008 χ^2/NDF:866131.4/19

Out: 36.319+/-0.008 χ^2/NDF:1000819.0/23

All: 35.232+/-0.006 χ^2/NDF: 1900709.4/43

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: -0.034+/-0.024 χ^2/NDF:5.8/4

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.013+/-0.020 χ^2/NDF:8.2/3

Left: -0.006+/-0.015 χ^2/NDF: 16.4/8

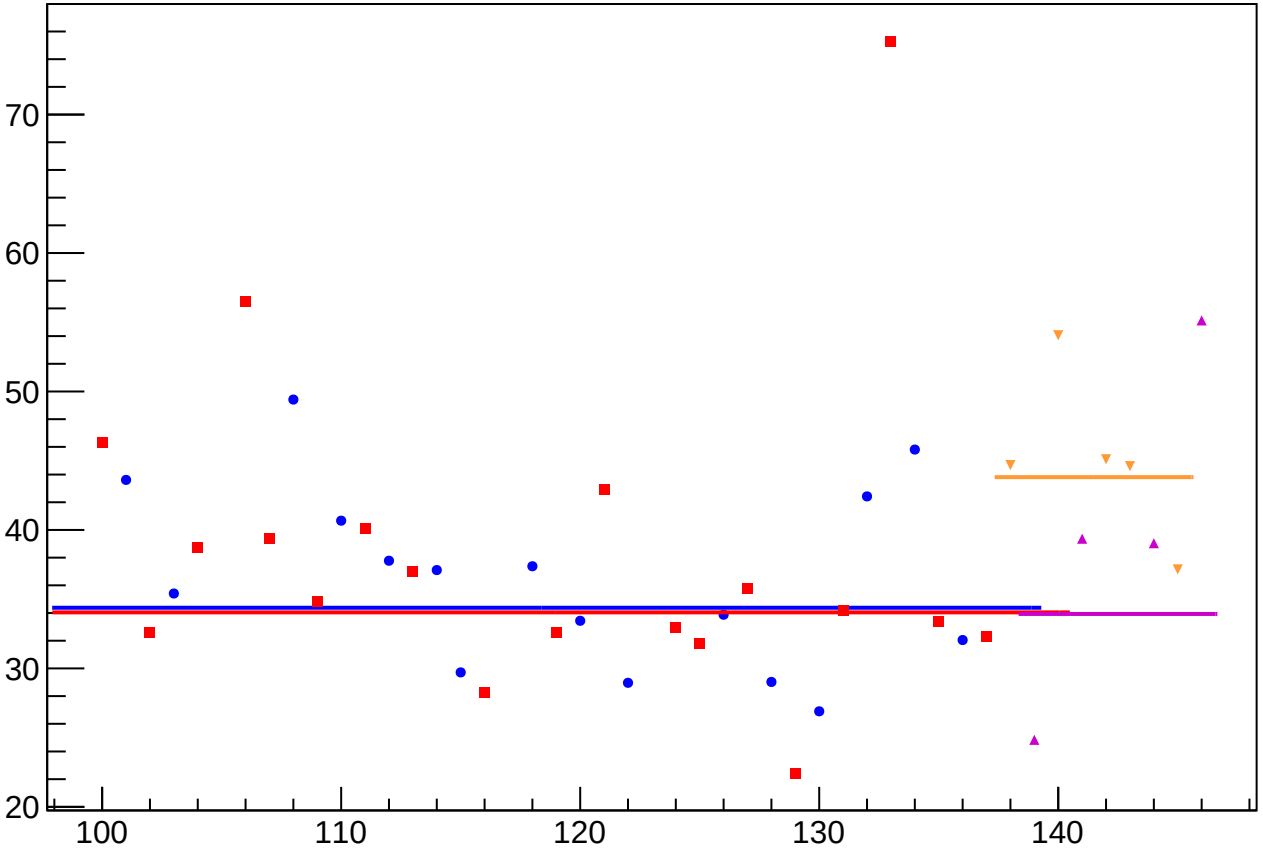
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.015+/-0.011 χ^2/NDF:23.0/19

Out: -0.016+/-0.012 χ^2/NDF:21.7/23

All: 0.000+/-0.008 χ^2/NDF: 48.4/43

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: 43.813+/-0.017 χ^2/NDF:103813.6/4

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.933+/-0.014 χ^2/NDF:497534.3/3

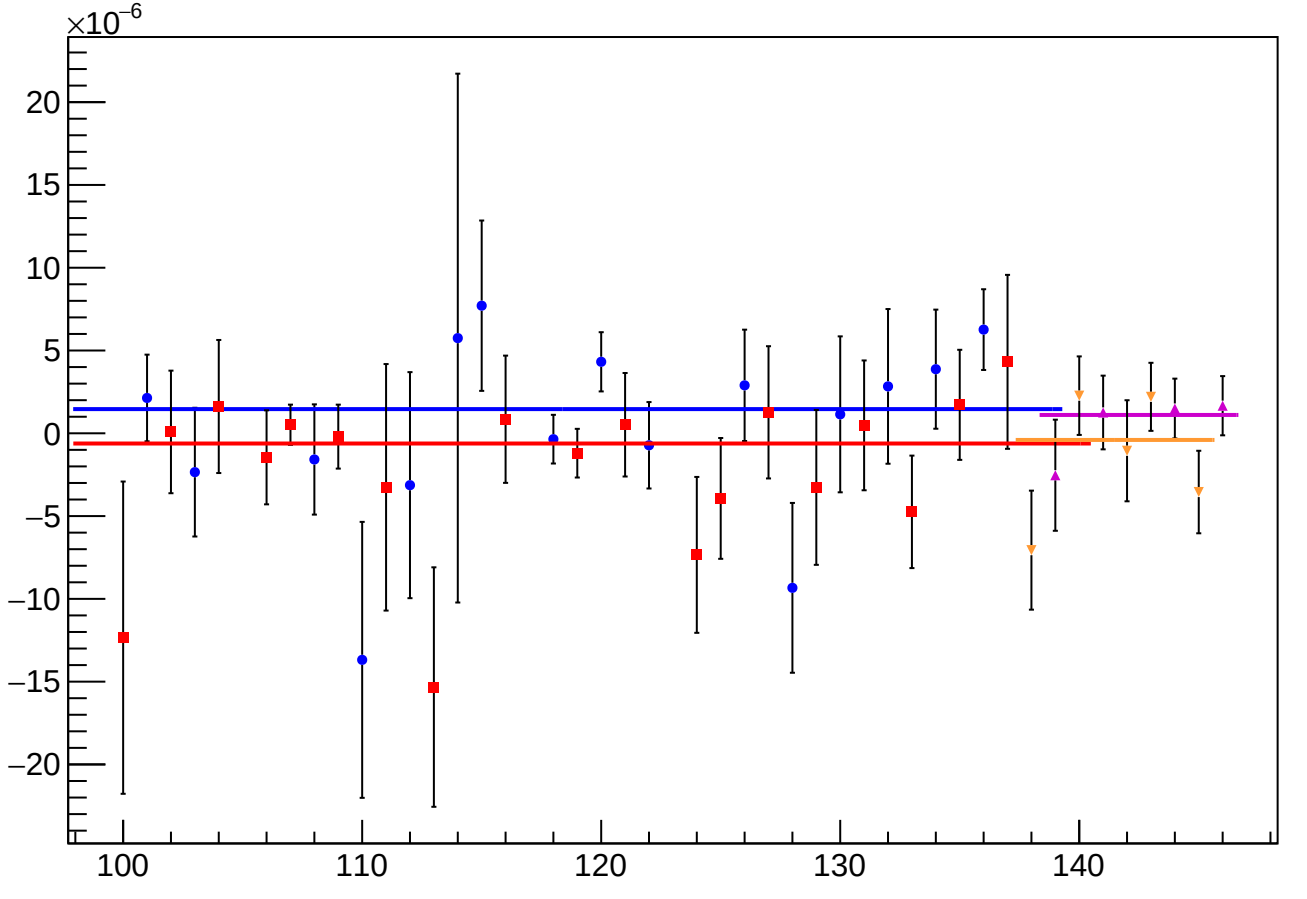
Left: 37.889+/-0.011 χ^2/NDF: 804709.8/8

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.239+/-0.008 χ^2/NDF:866131.4/19

Out: 36.319+/-0.008 χ^2/NDF:1000819.0/23

All: 35.232+/-0.006 χ^2/NDF: 1900709.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/3

Left: 0.000+/-0.000 χ^2/NDF: 10.2/8

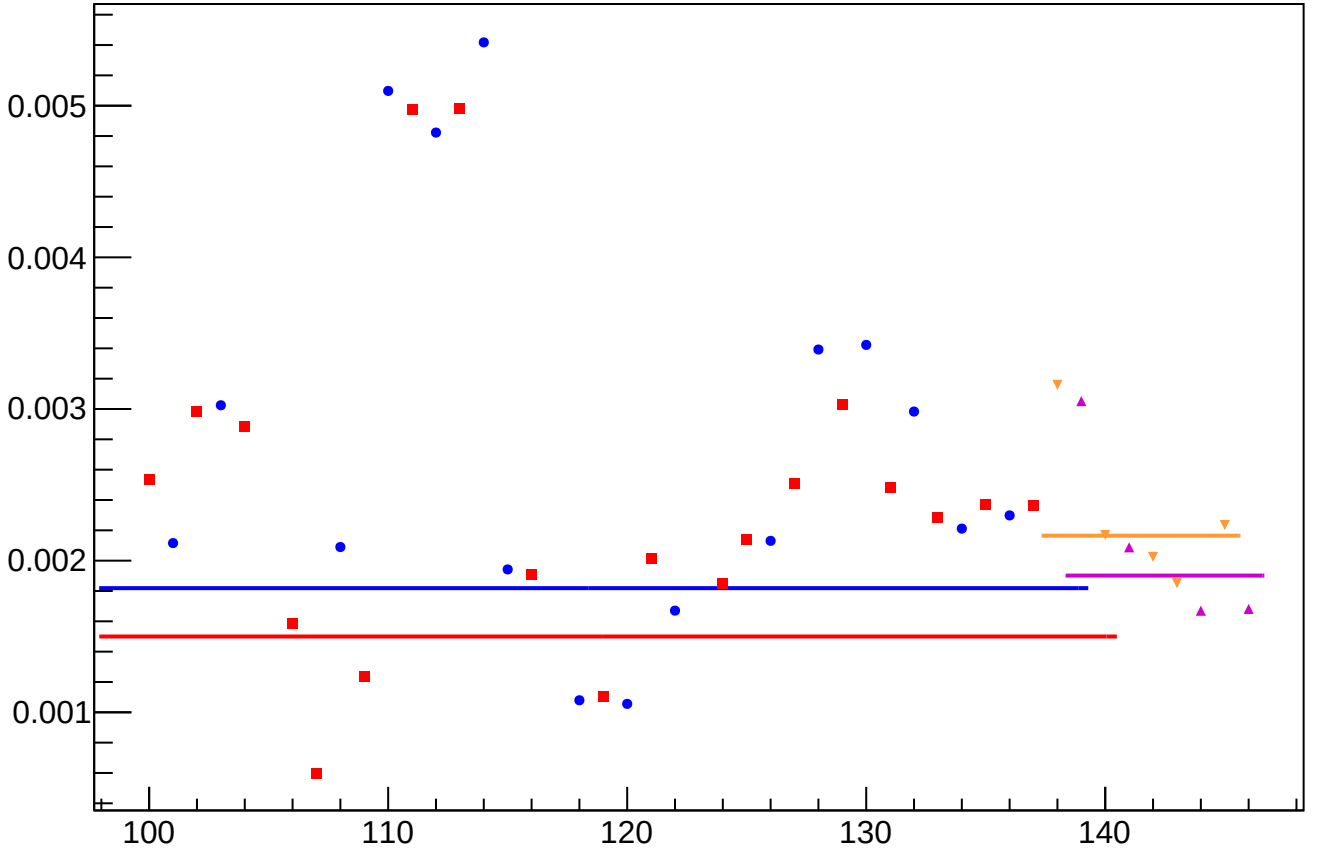
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:22.4/19

Out: -0.000+/-0.000 χ^2/NDF:21.9/23

All: 0.000+/-0.000 χ^2/NDF: 49.5/43

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:205267.6/4

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:312400.3/3

Left: 0.002+/-0.000 χ^2/NDF: 575011.6/8

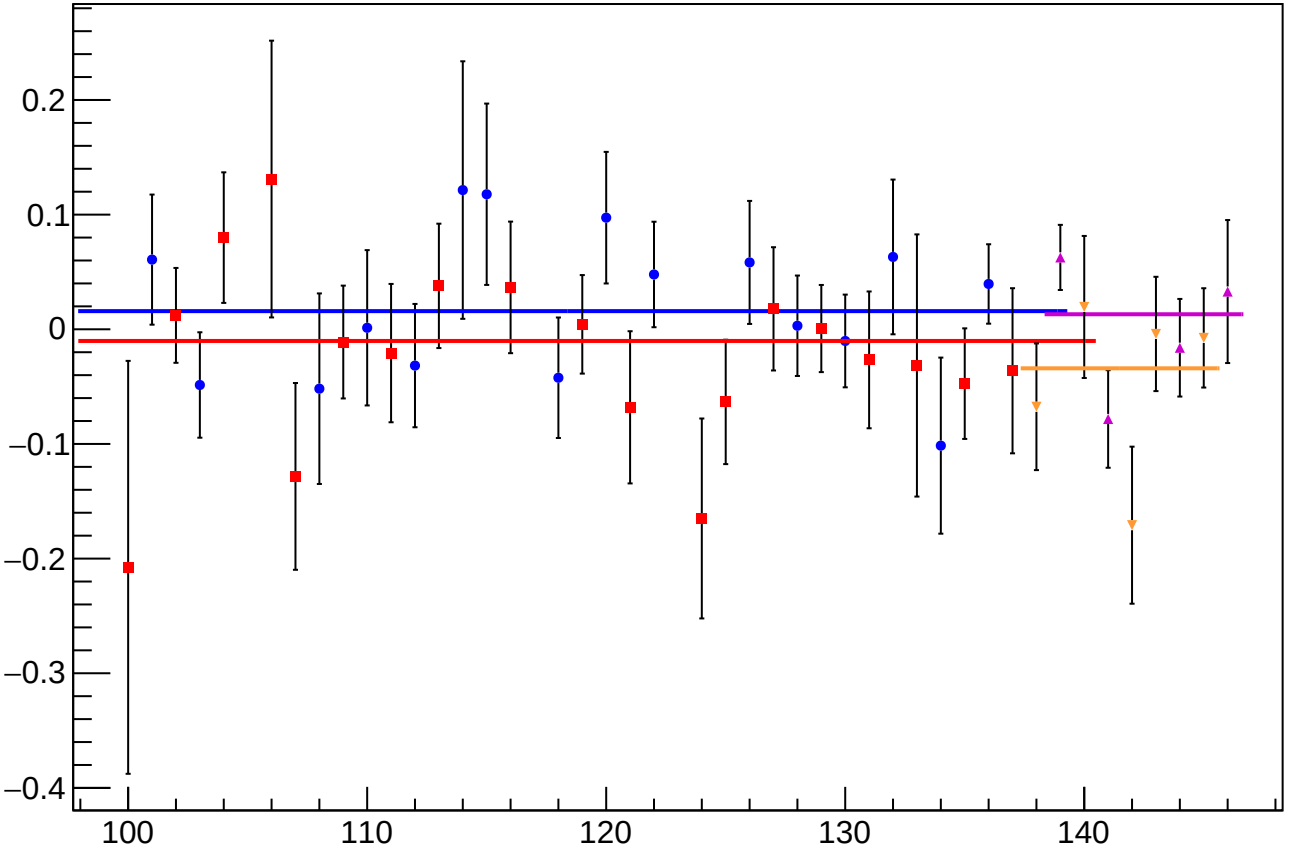
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:2890909.8/19

Out: 0.002+/-0.000 χ^2/NDF:4404898.2/23

All: 0.002+/-0.000 χ^2/NDF: 7396848.8/43

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.034+/-0.024 χ^2/NDF:5.8/4

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.013+/-0.020 χ^2/NDF:8.2/3

Left: -0.006+/-0.015 χ^2/NDF: 16.4/8

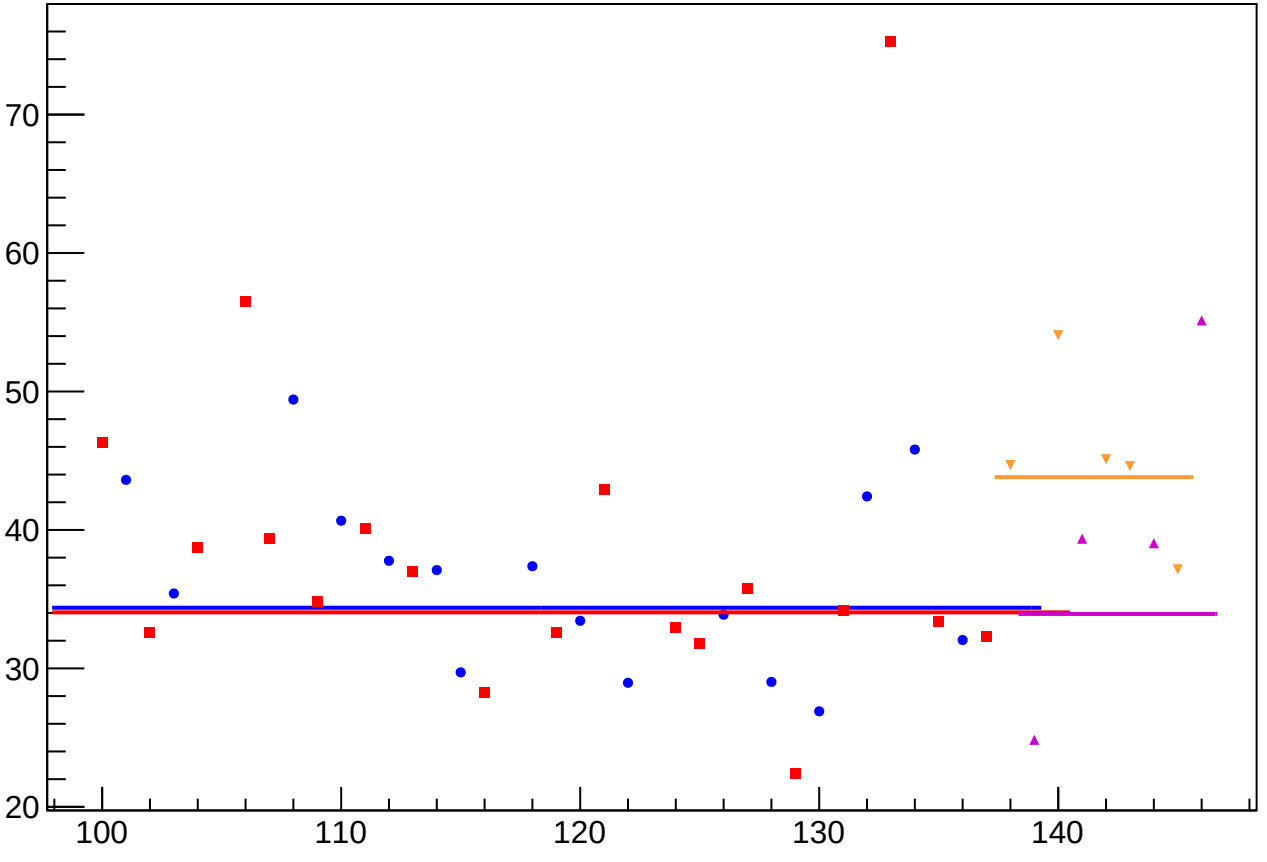
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.015+/-0.011 χ^2/NDF:23.0/19

Out: -0.016+/-0.012 χ^2/NDF:21.7/23

All: 0.000+/-0.008 χ^2/NDF: 48.4/43

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: 43.814+/-0.017 χ^2/NDF:103799.8/4

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 33.933+/-0.014 χ^2/NDF:497546.1/3

Left: 37.890+/-0.011 χ^2/NDF: 804713.7/8

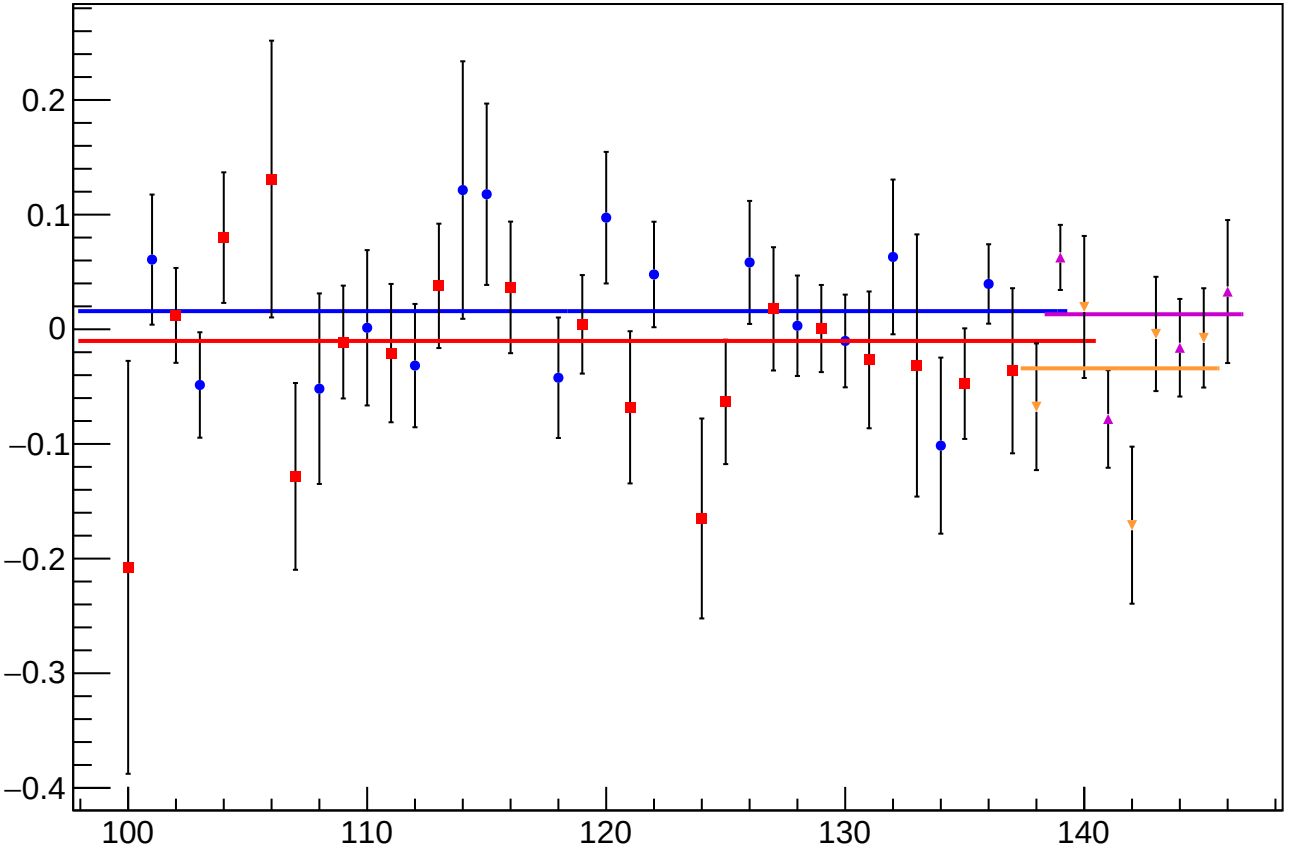
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.239+/-0.008 χ^2/NDF:866196.8/19

Out: 36.318+/-0.008 χ^2/NDF:1000904.8/23

All: 35.232+/-0.006 χ^2/NDF: 1900862.6/43

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: -0.034+/-0.024 χ^2/NDF:5.8/4

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.013+/-0.020 χ^2/NDF:8.2/3

Left: -0.006+/-0.015 χ^2/NDF: 16.4/8

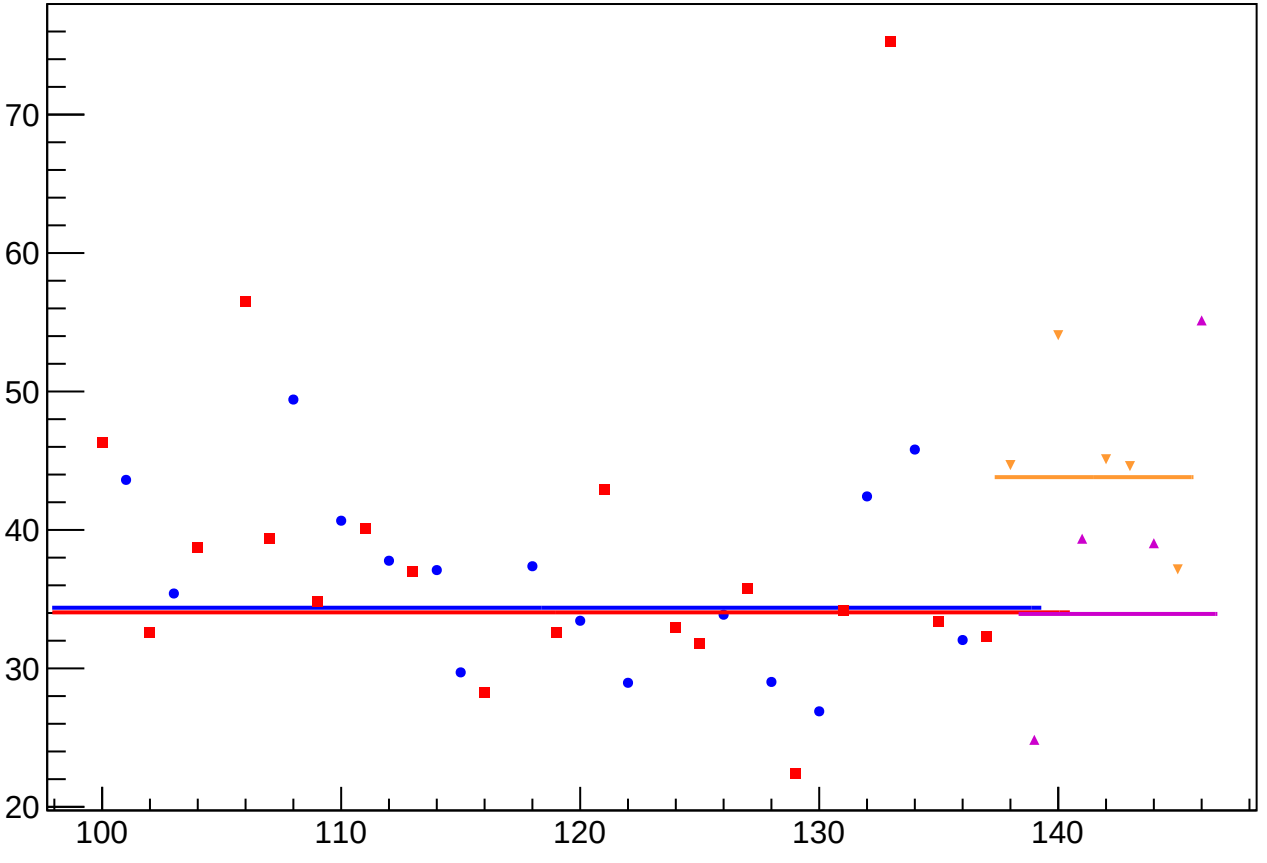
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.015+/-0.011 χ^2/NDF:23.0/19

Out: -0.016+/-0.012 χ^2/NDF:21.7/23

All: 0.000+/-0.008 χ^2/NDF: 48.4/43

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: 43.814+/-0.017 χ^2/NDF:103799.8/4

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 33.933+/-0.014 χ^2/NDF:497546.1/3

Left: 37.890+/-0.011 χ^2/NDF: 804713.7/8

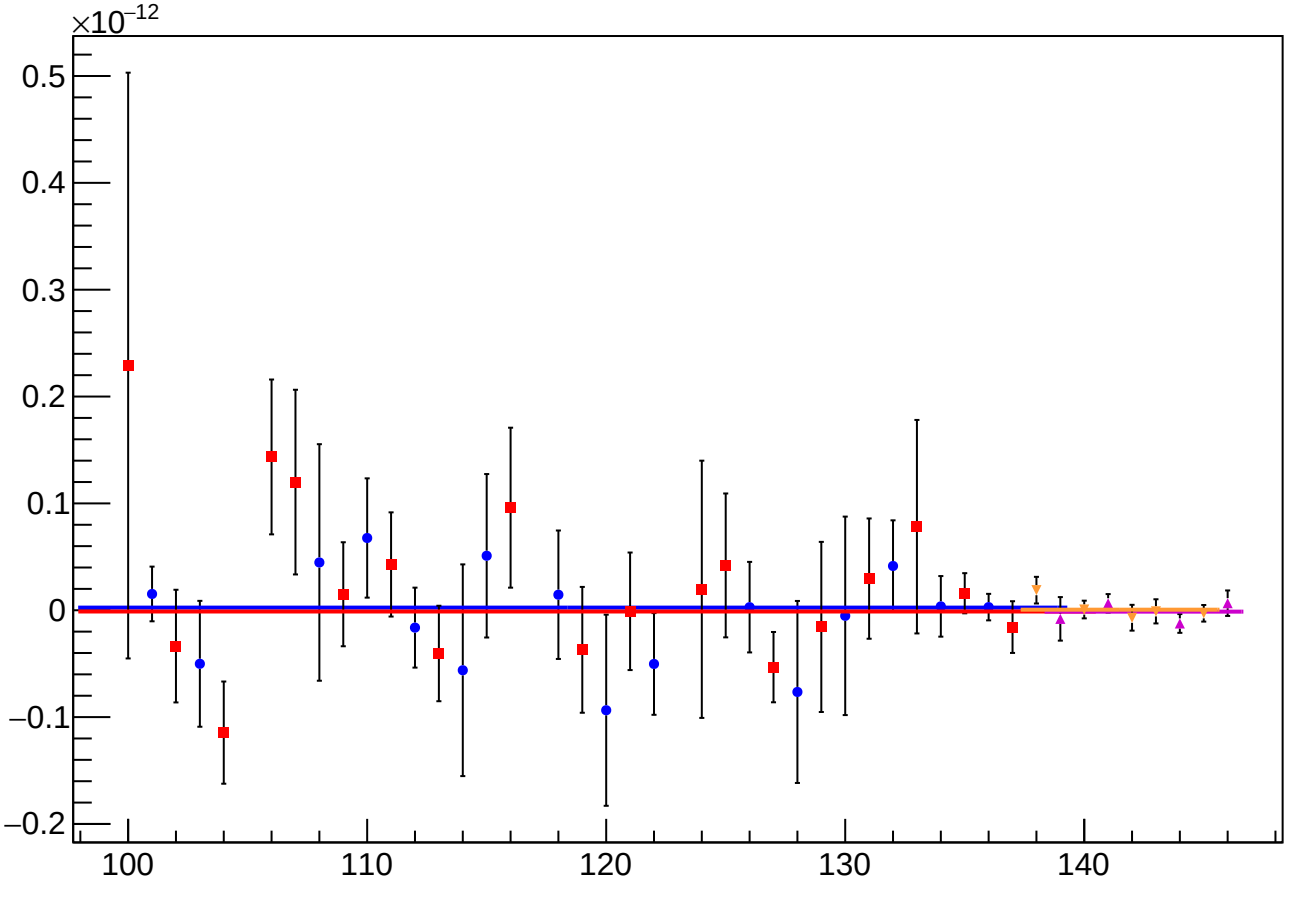
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.239+/-0.008 χ^2/NDF:866196.8/19

Out: 36.318+/-0.008 χ^2/NDF:1000904.8/23

All: 35.232+/-0.006 χ^2/NDF: 1900862.6/43

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/4

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/3

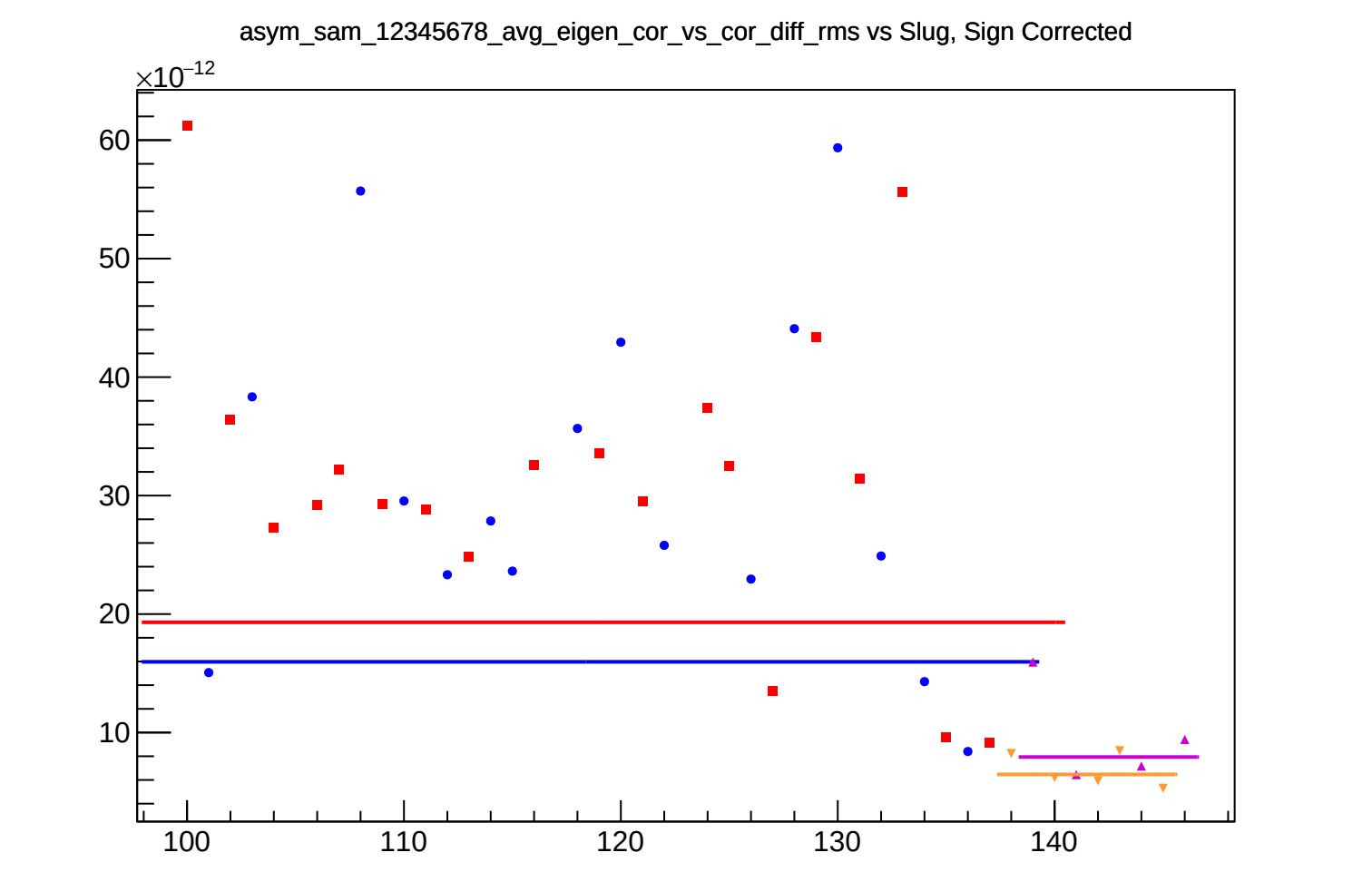
Left: -0.000+/-0.000 χ^2/NDF: 5.8/8

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:10.8/19

Out: 0.000+/-0.000 χ^2/NDF:24.3/23

All: 0.000+/-0.000 χ^2/NDF: 35.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:154105.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:414578.3/3

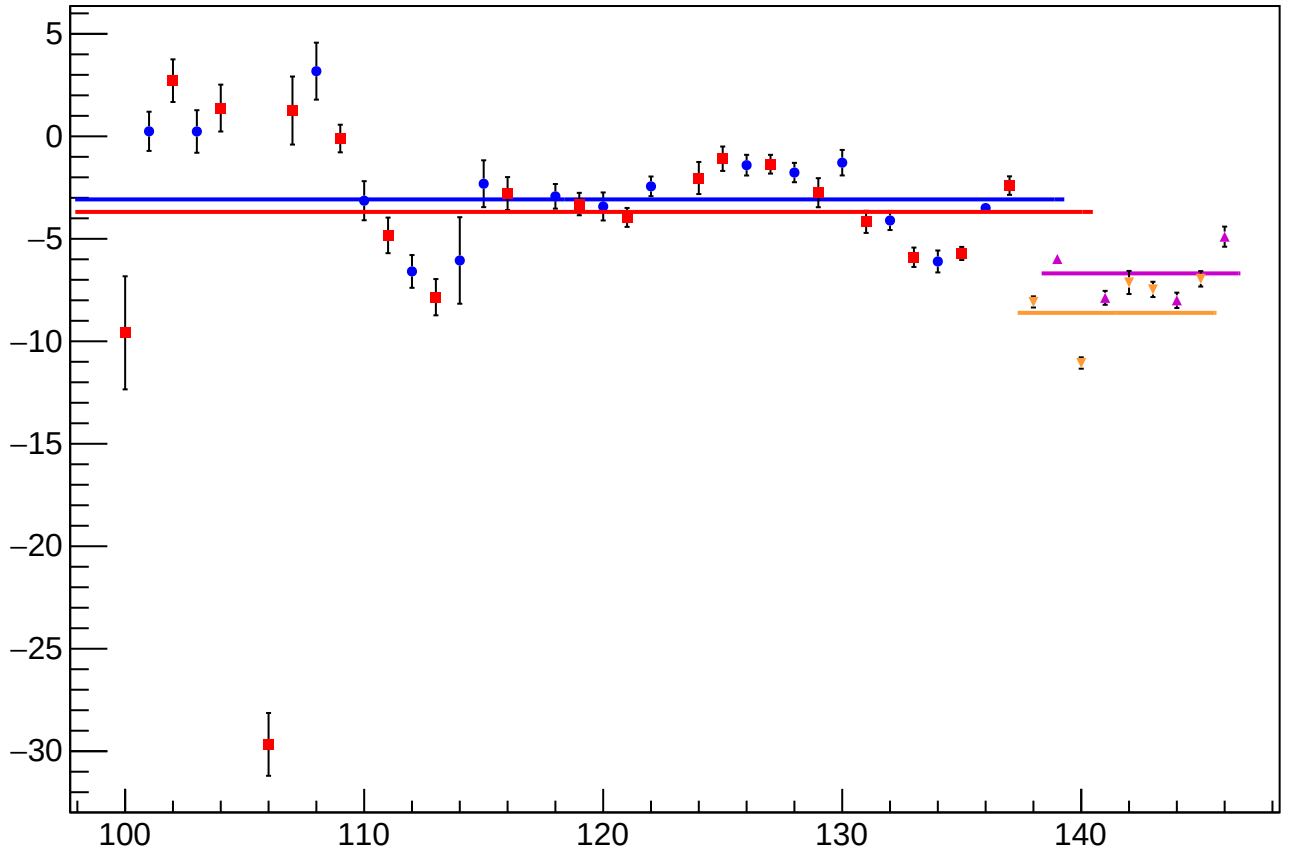
Left: 0.000+/-0.000 χ^2/NDF: 660318.3/8

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:4478941.0/19

Out: 0.000+/-0.000 χ^2/NDF:5270619.4/23

All: 0.000+/-0.000 χ^2/NDF: 9895615.8/43



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.611+/-0.151 χ^2/NDF:117.2/4

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.687+/-0.164 χ^2/NDF:46.5/3

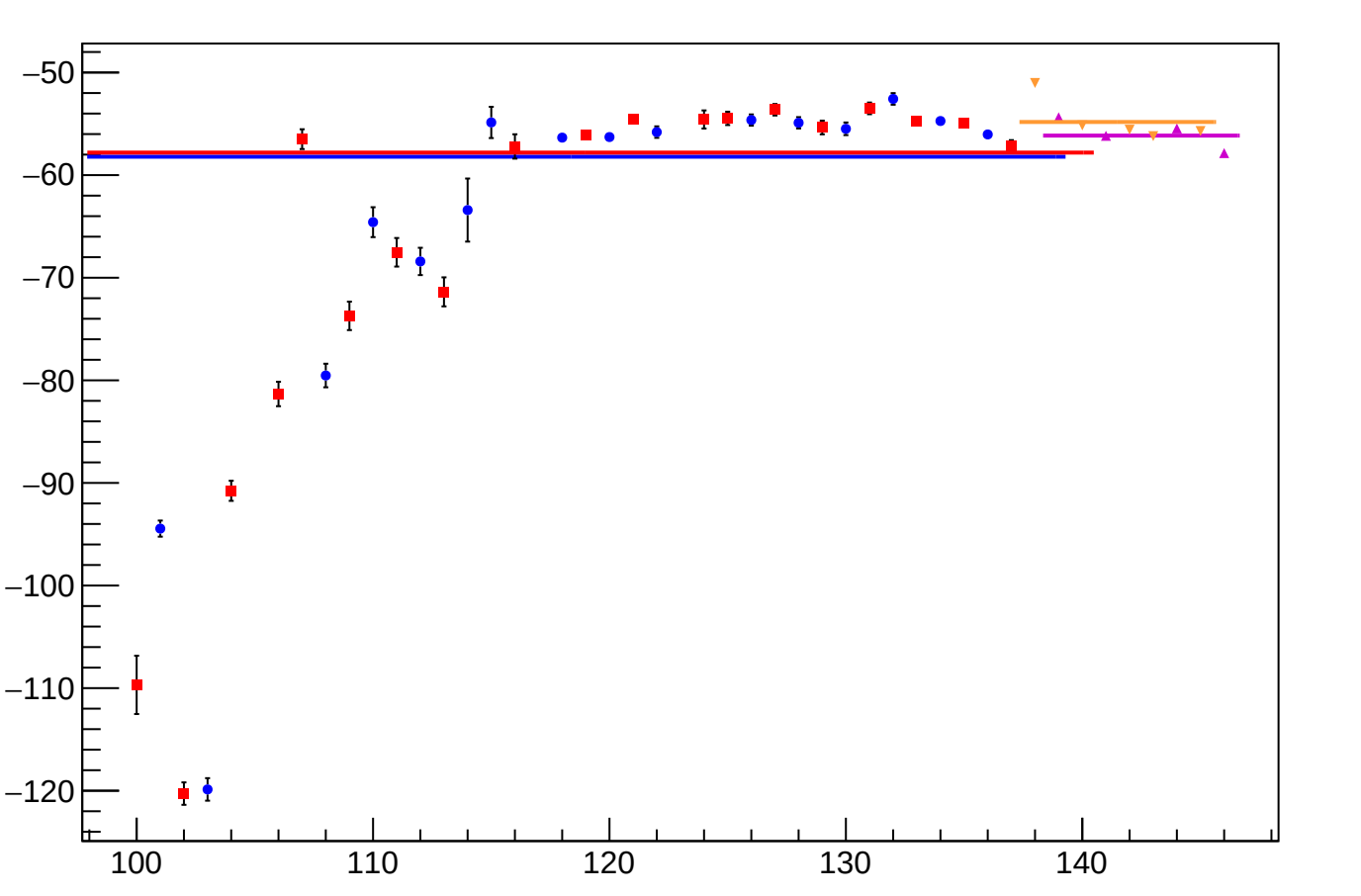
Left: -7.728+/-0.111 χ^2/NDF: 238.4/8

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -4.540+/-0.104 χ^2/NDF:469.2/19

Out: -5.968+/-0.103 χ^2/NDF:1223.5/23

All: -5.265+/-0.073 χ^2/NDF: 1787.8/43



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.821+/-0.130 χ^2/NDF:186.7/4

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -56.147+/-0.150 χ^2/NDF:54.3/3

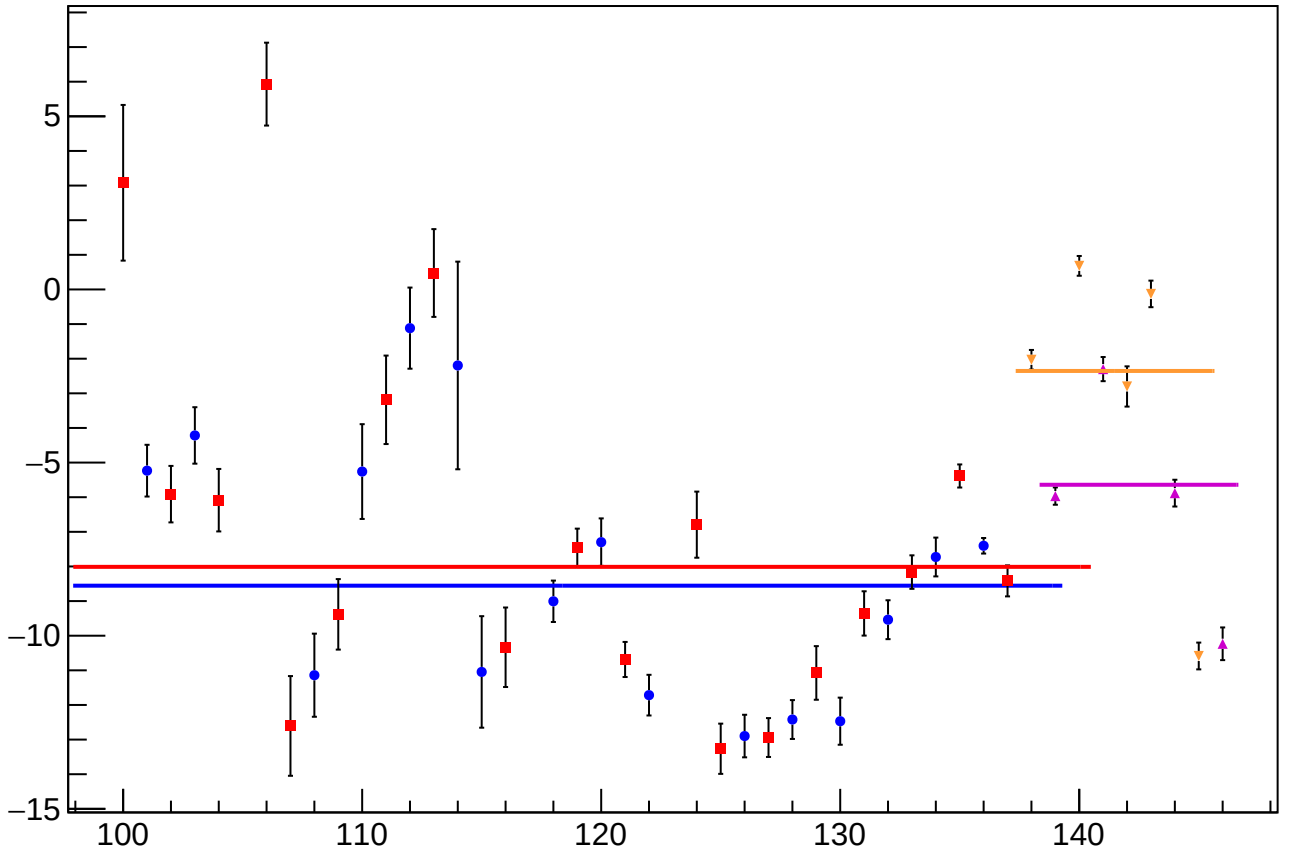
Left: -55.393+/-0.098 χ^2/NDF: 285.7/8

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -57.277+/-0.100 χ^2/NDF:6285.1/19

Out: -56.223+/-0.095 χ^2/NDF:6225.3/23

All: -56.720+/-0.069 χ^2/NDF: 12568.5/43



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -2.354+/-0.156 χ^2/NDF:601.5/4

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -5.641+/-0.168 χ^2/NDF:188.5/3

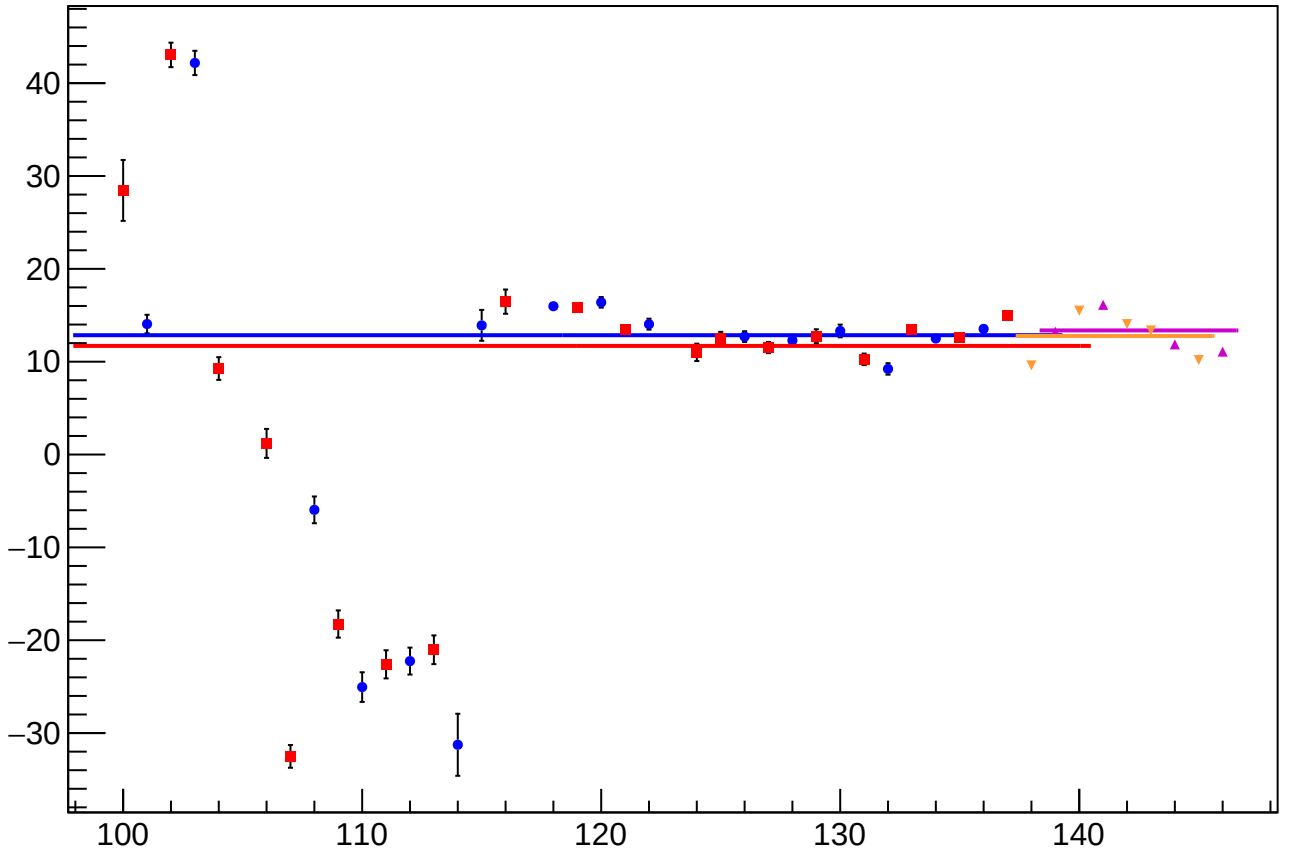
Left: -3.874+/-0.114 χ^2/NDF: 995.5/8

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.315+/-0.110 χ^2/NDF:661.9/19

Out: -5.238+/-0.109 χ^2/NDF:1761.6/23

All: -6.272+/-0.077 χ^2/NDF: 2603.6/43



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 12.767+/-0.151 χ^2/NDF:242.4/4

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 13.368+/-0.172 χ^2/NDF:144.3/3

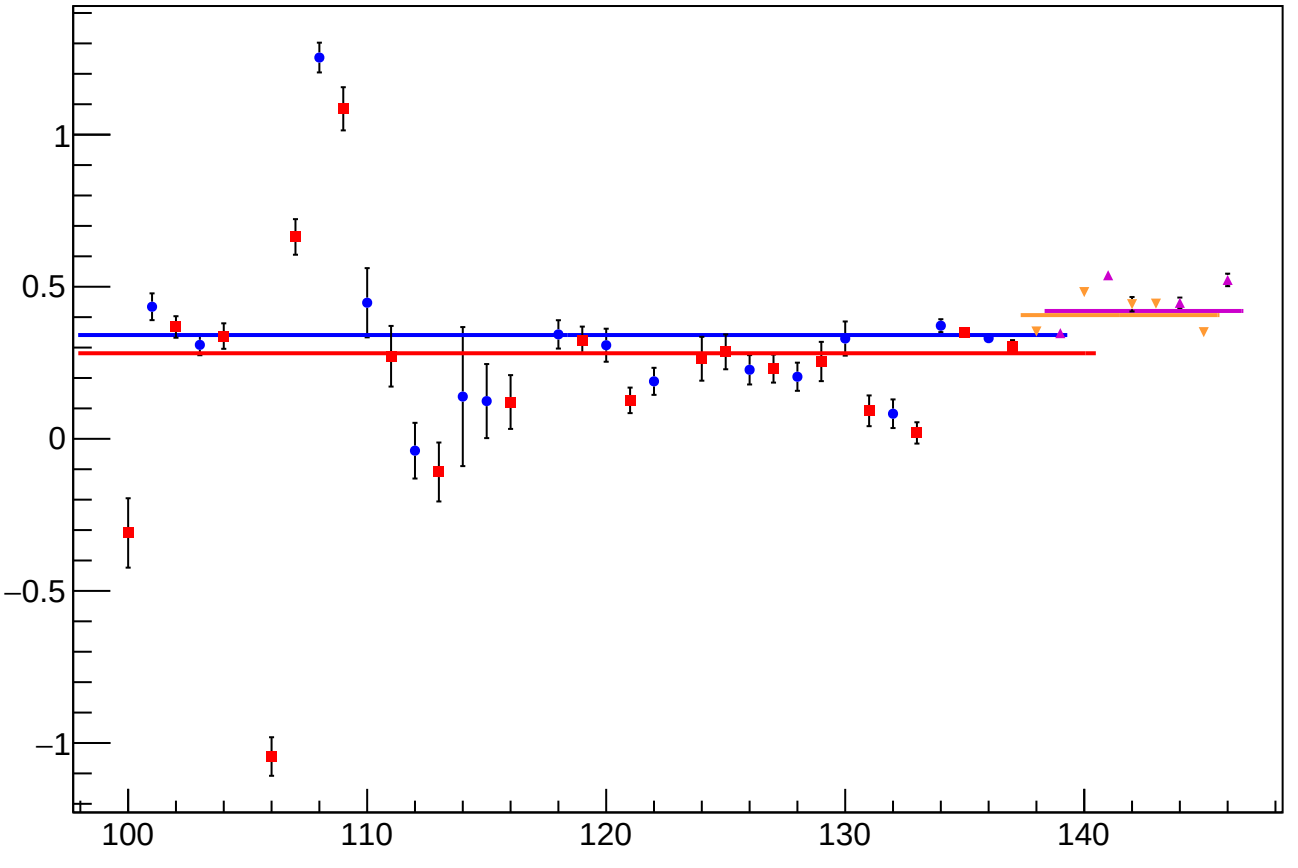
Left: 13.029+/-0.114 χ^2/NDF: 393.5/8

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.075+/-0.113 χ^2/NDF:2277.8/19

Out: 12.246+/-0.108 χ^2/NDF:3765.5/23

All: 12.642+/-0.078 χ^2/NDF: 6071.2/43



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.407+/-0.006 χ^2/NDF:81.5/4

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.420+/-0.007 χ^2/NDF:162.2/3

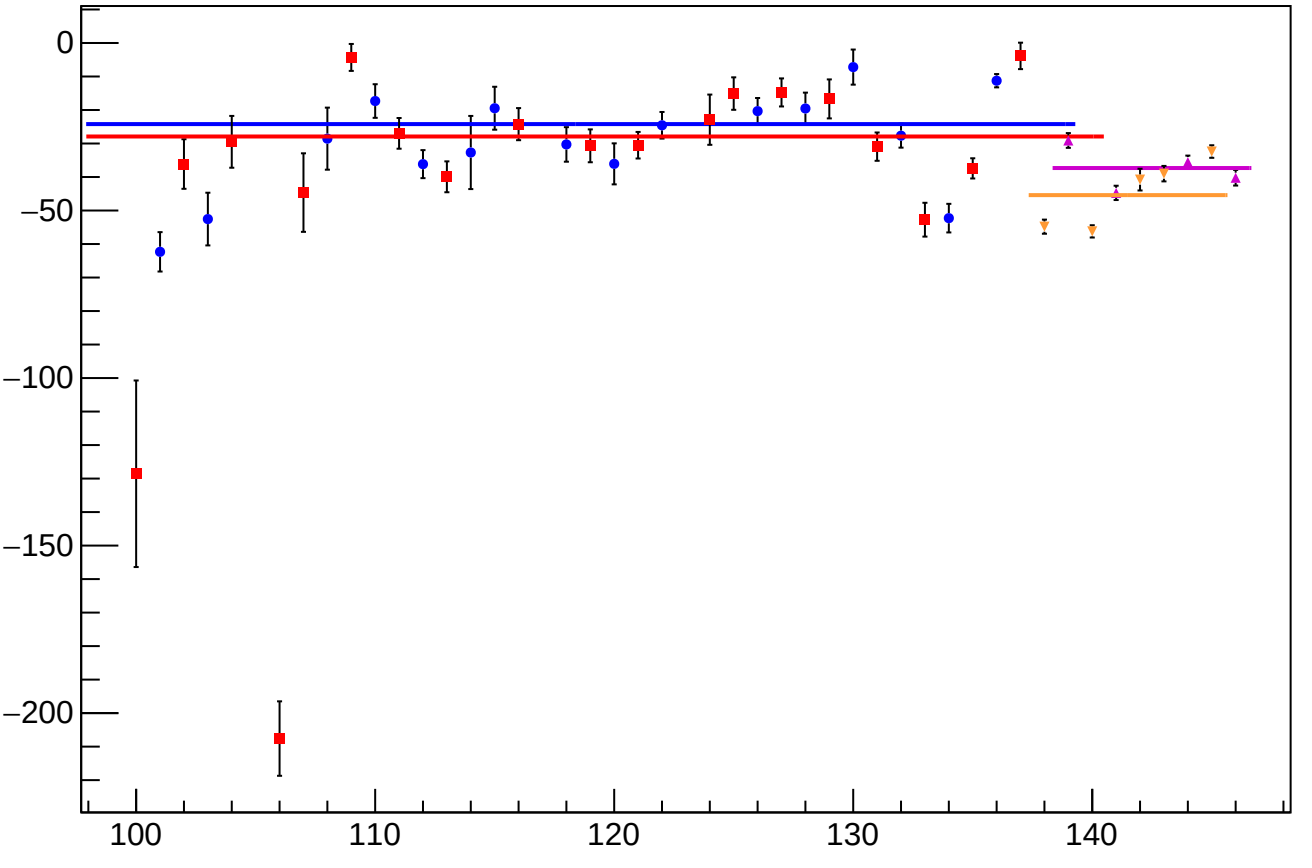
Left: 0.413+/-0.005 χ^2/NDF: 245.9/8

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.388+/-0.005 χ^2/NDF:656.6/19

Out: 0.361+/-0.005 χ^2/NDF:999.1/23

All: 0.375+/-0.004 χ^2/NDF: 1669.3/43



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -45.405+/-0.958 χ^2/NDF:112.6/4

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -37.318+/-1.070 χ^2/NDF:28.4/3

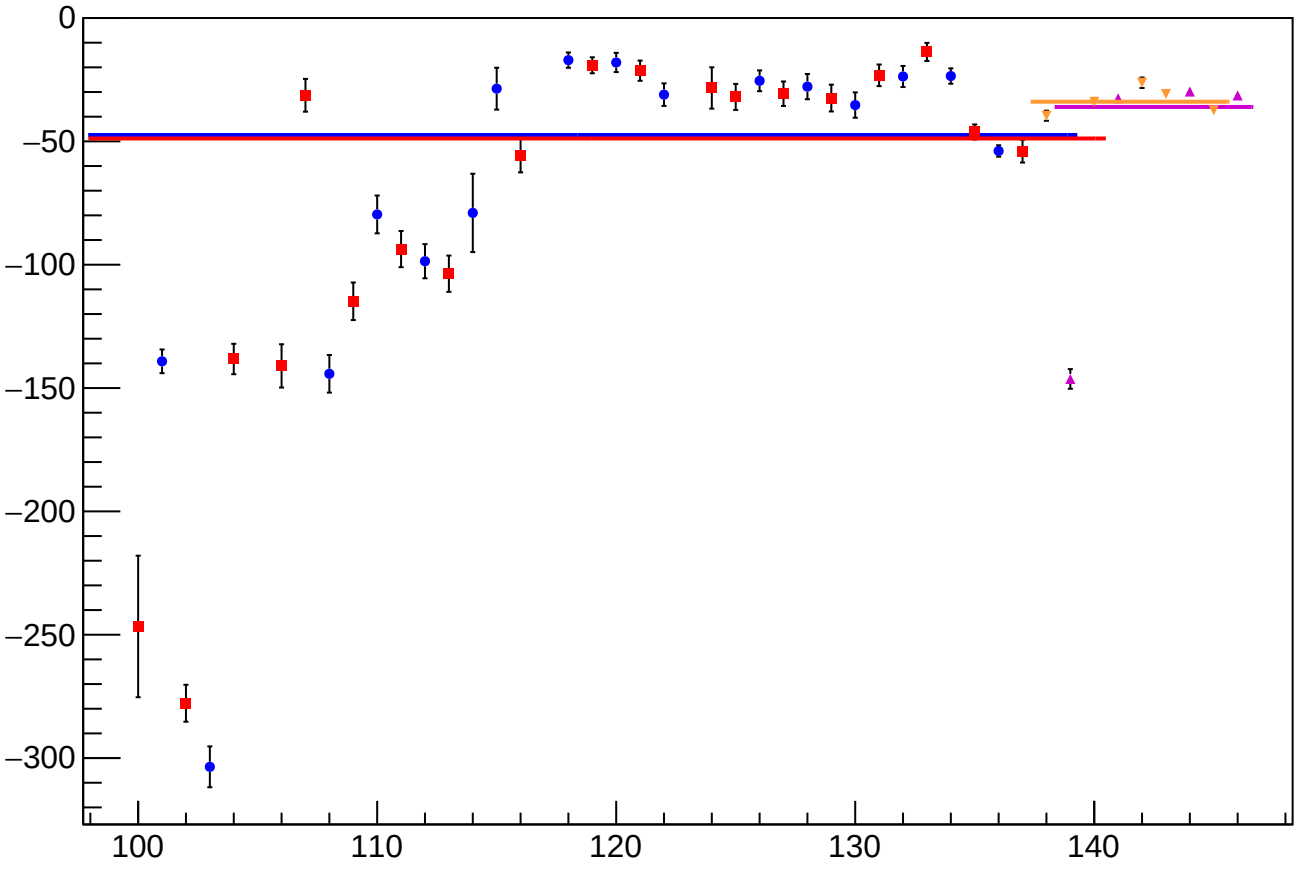
Left: -41.806+/-0.714 χ^2/NDF: 172.7/8

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -30.864+/-0.762 χ^2/NDF:273.1/19

Out: -38.141+/-0.733 χ^2/NDF:664.5/23

All: -34.646+/-0.528 χ^2/NDF: 985.0/43



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -33.931+/-0.773 χ^2/NDF:29.4/4

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -36.050+/-0.820 χ^2/NDF:801.0/3

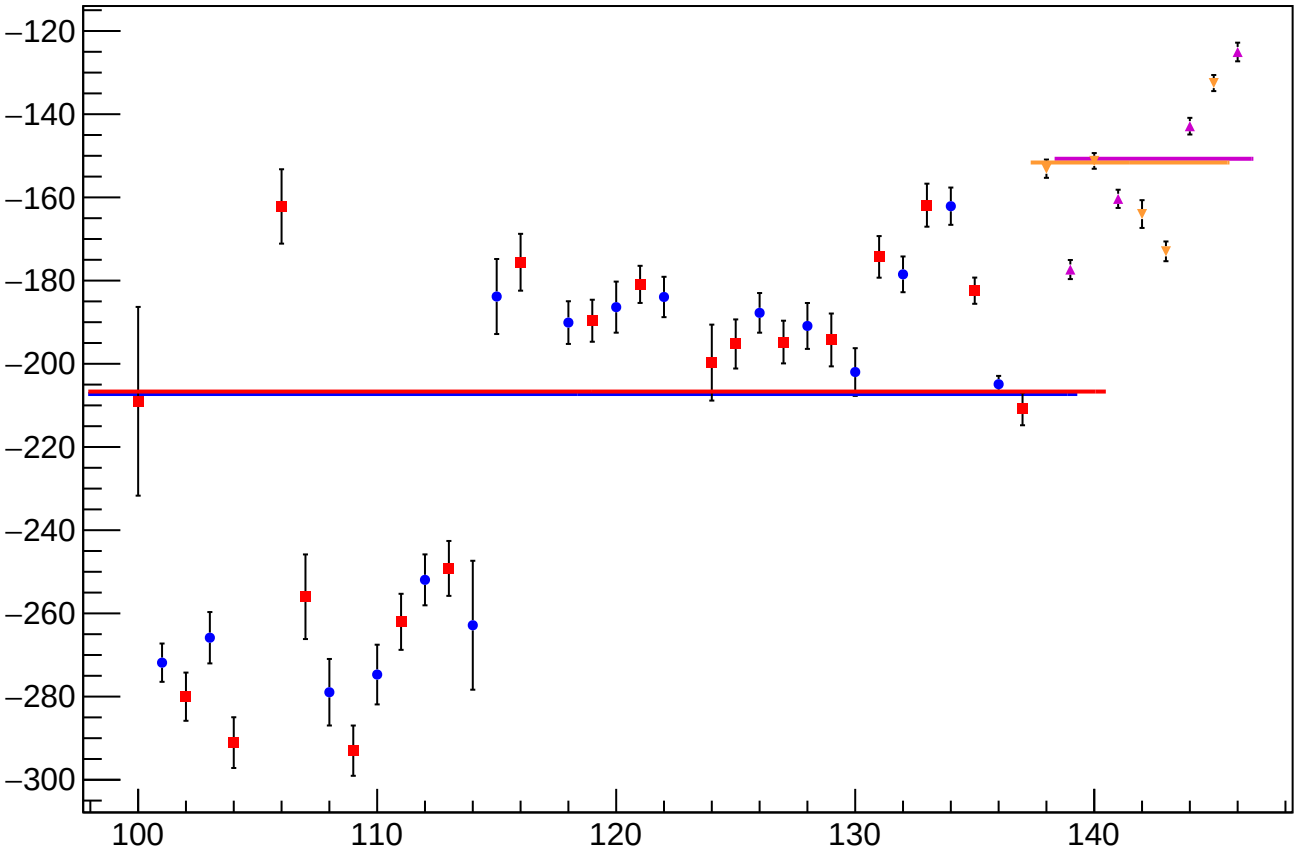
Left: -34.927+/-0.562 χ^2/NDF: 833.9/8

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -40.108+/-0.658 χ^2/NDF:2743.1/19

Out: -38.389+/-0.647 χ^2/NDF:1915.3/23

All: -39.234+/-0.461 χ^2/NDF: 4661.8/43



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -151.612+/-0.989 χ^2/NDF:192.8/4

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -150.715+/-1.087 χ^2/NDF:300.4/3

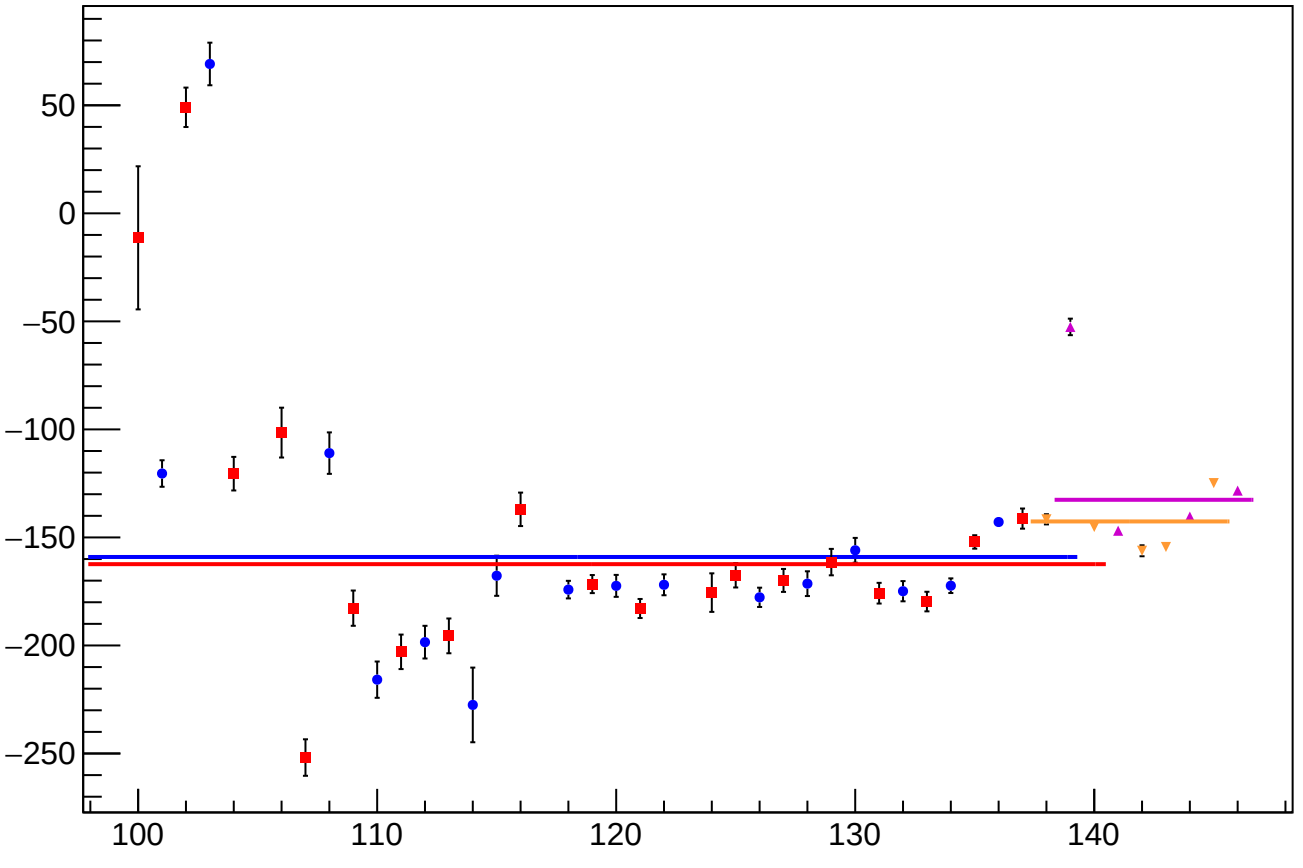
Left: -151.206+/-0.731 χ^2/NDF: 493.6/8

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -176.707+/-0.799 χ^2/NDF:2293.5/19

Out: -172.199+/-0.782 χ^2/NDF:2321.7/23

All: -174.406+/-0.559 χ^2/NDF: 4631.5/43



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -142.601+/-0.908 χ^2/NDF:168.3/4

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -132.583+/-0.977 χ^2/NDF:525.1/3

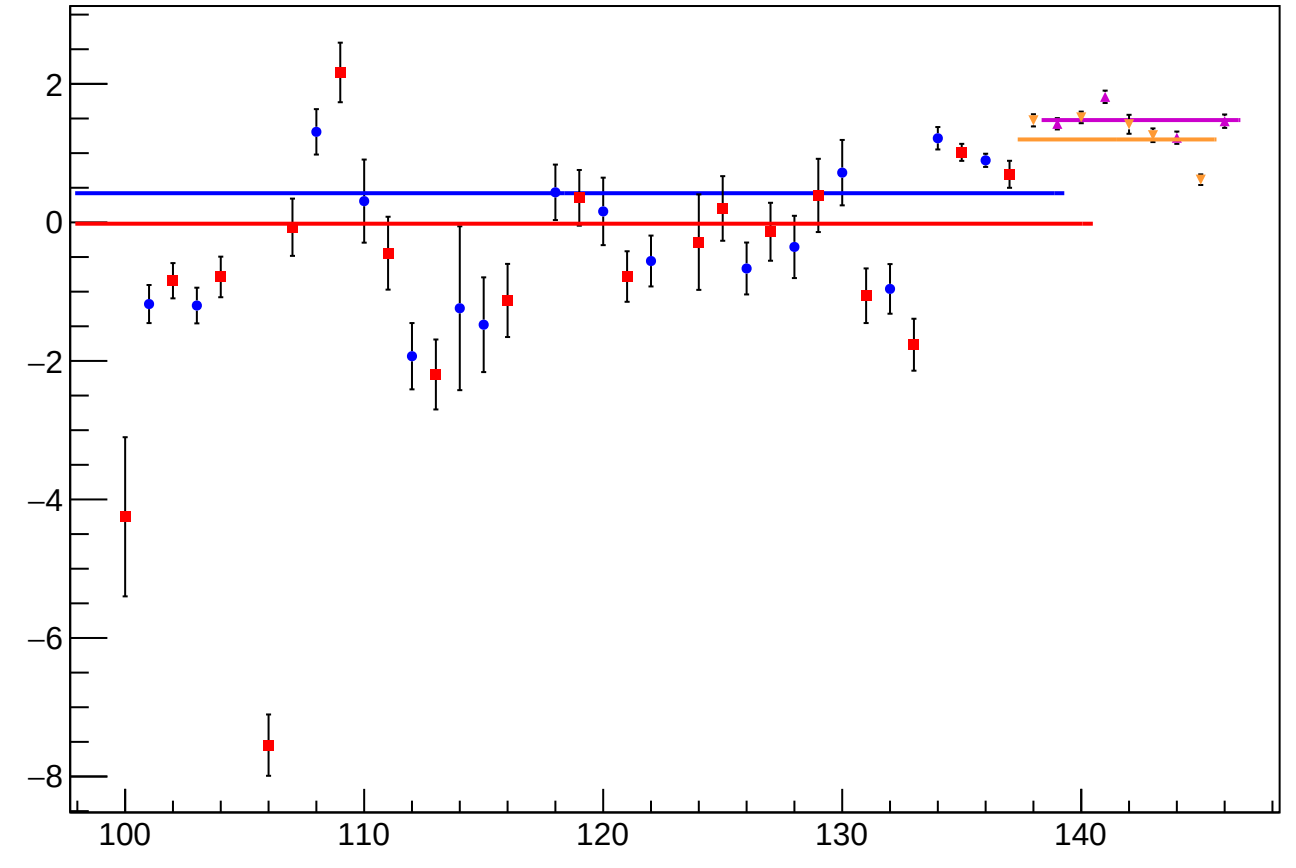
Left: -137.957+/-0.665 χ^2/NDF: 749.8/8

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -142.863+/-0.764 χ^2/NDF:1626.1/19

Out: -148.922+/-0.749 χ^2/NDF:1192.5/23

All: -145.953+/-0.535 χ^2/NDF: 2850.7/43



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.198+/-0.041 χ^2/NDF:84.5/4

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.477+/-0.044 χ^2/NDF:22.7/3

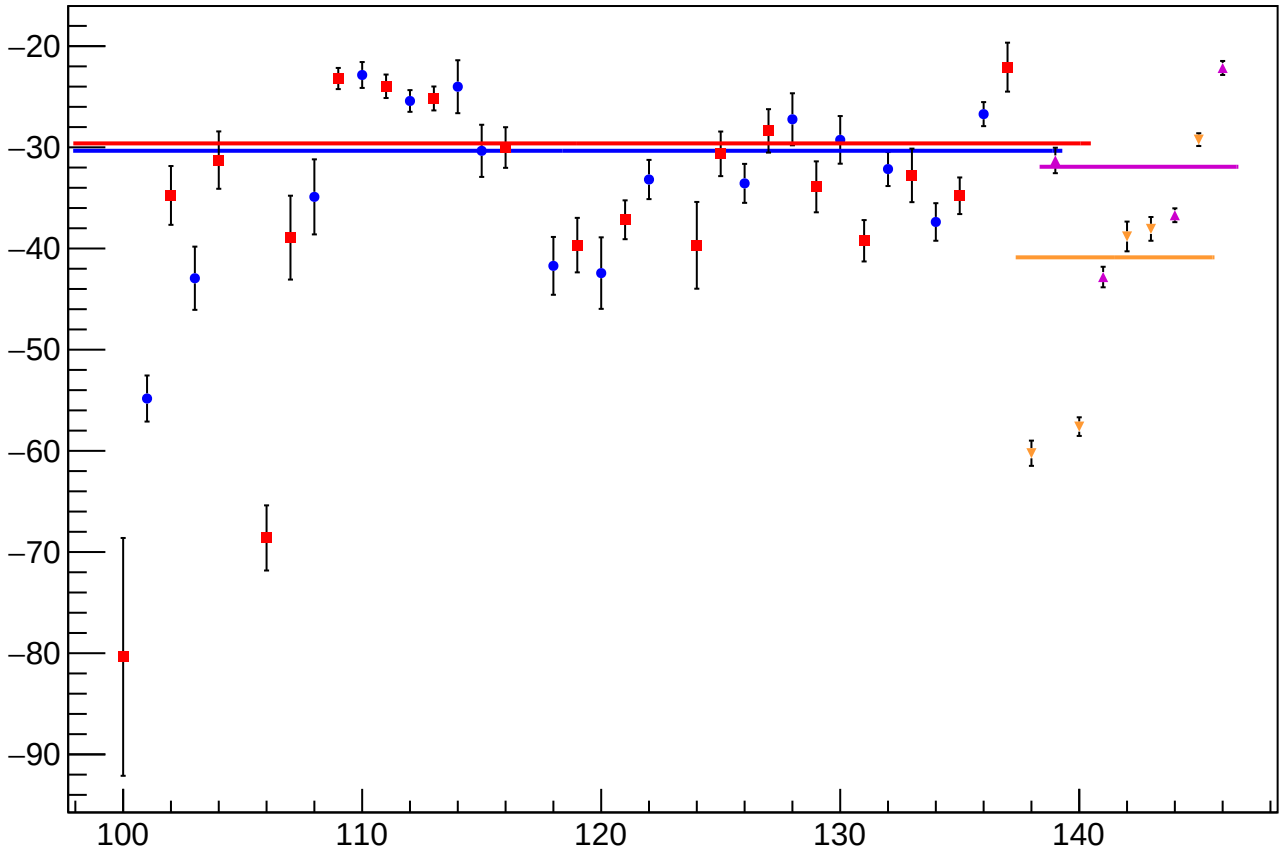
Left: 1.326+/-0.030 χ^2/NDF: 128.6/8

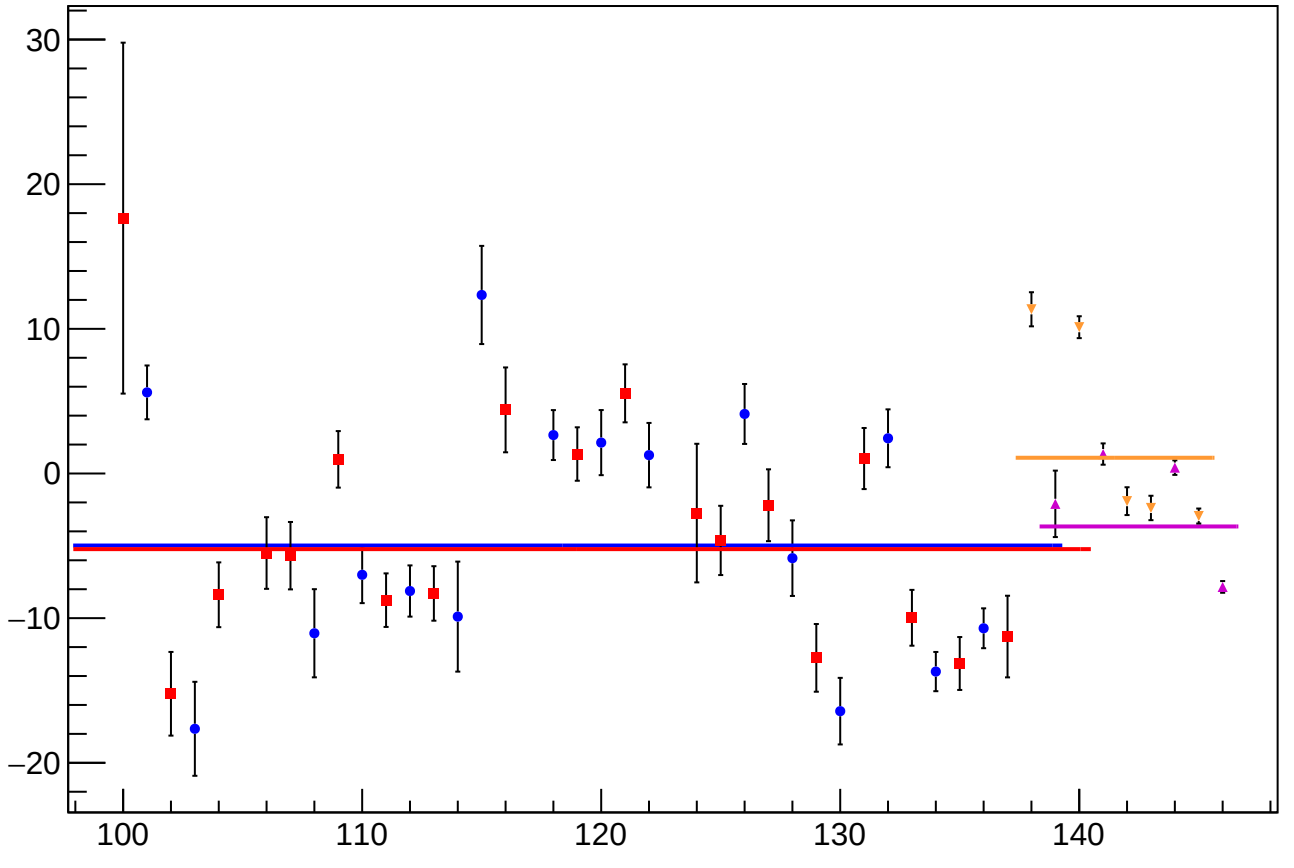
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.139+/-0.037 χ^2/NDF:400.8/19

Out: 0.902+/-0.036 χ^2/NDF:787.0/23

All: 1.018+/-0.026 χ^2/NDF: 1209.2/43


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -40.874+/-0.426 χ²/NDF:917.8/4
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -31.922+/-0.414 χ²/NDF:364.2/3
Left: -36.273+/-0.297 χ²/NDF: 1509.3/8
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -31.228+/-0.310 χ²/NDF:624.2/19
Out: -35.561+/-0.309 χ²/NDF:1577.1/23
All: -33.399+/-0.219 χ²/NDF: 2299.2/43



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: 1.088+/-0.339 χ^2/NDF:305.3/4

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -3.661+/-0.287 χ^2/NDF:218.9/3

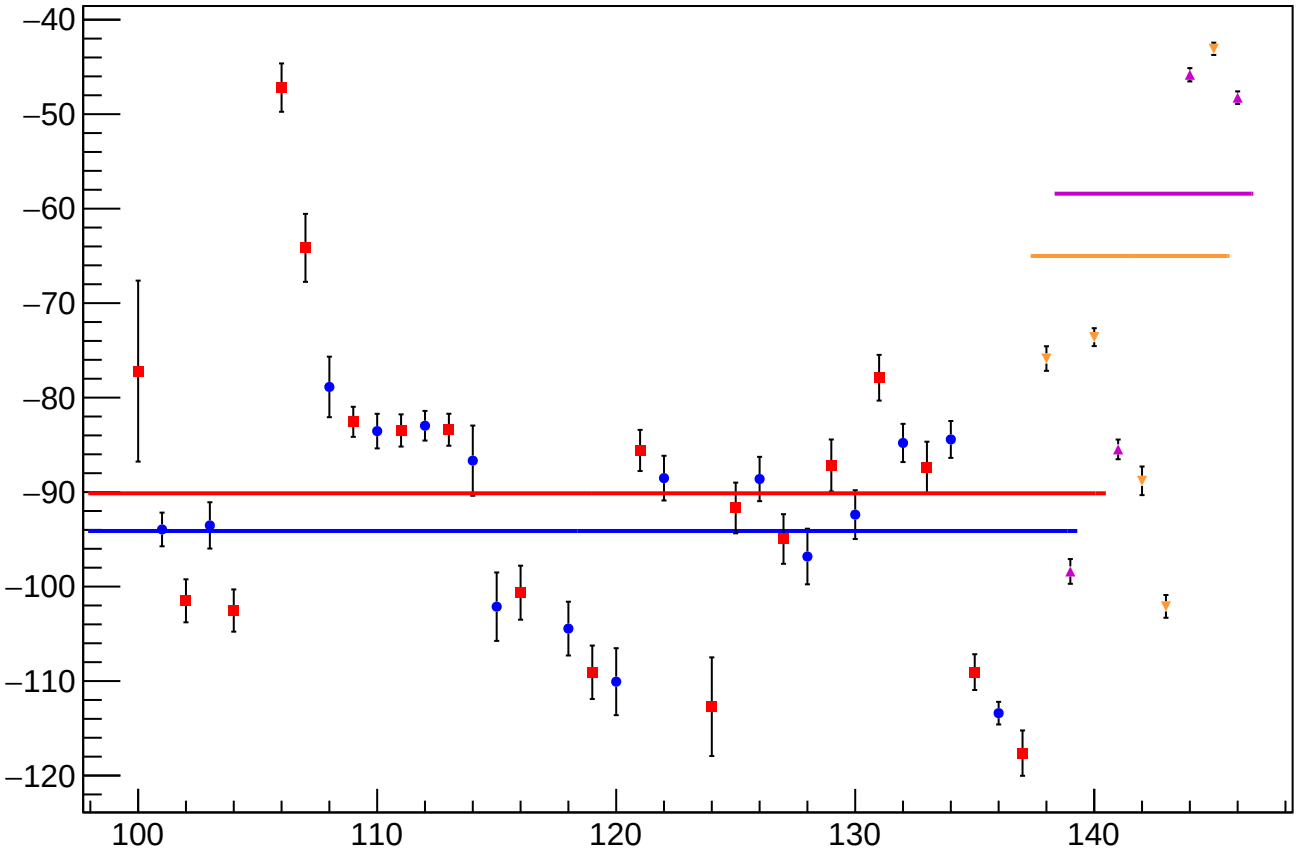
Left: -1.677+/-0.219 χ^2/NDF: 638.2/8

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -3.980+/-0.250 χ^2/NDF:461.3/19

Out: -0.780+/-0.285 χ^2/NDF:544.2/23

All: -2.584+/-0.188 χ^2/NDF: 1076.7/43



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -65.009+/-0.439 χ^2/NDF:2479.6/4

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -58.414+/-0.416 χ^2/NDF:2159.7/3

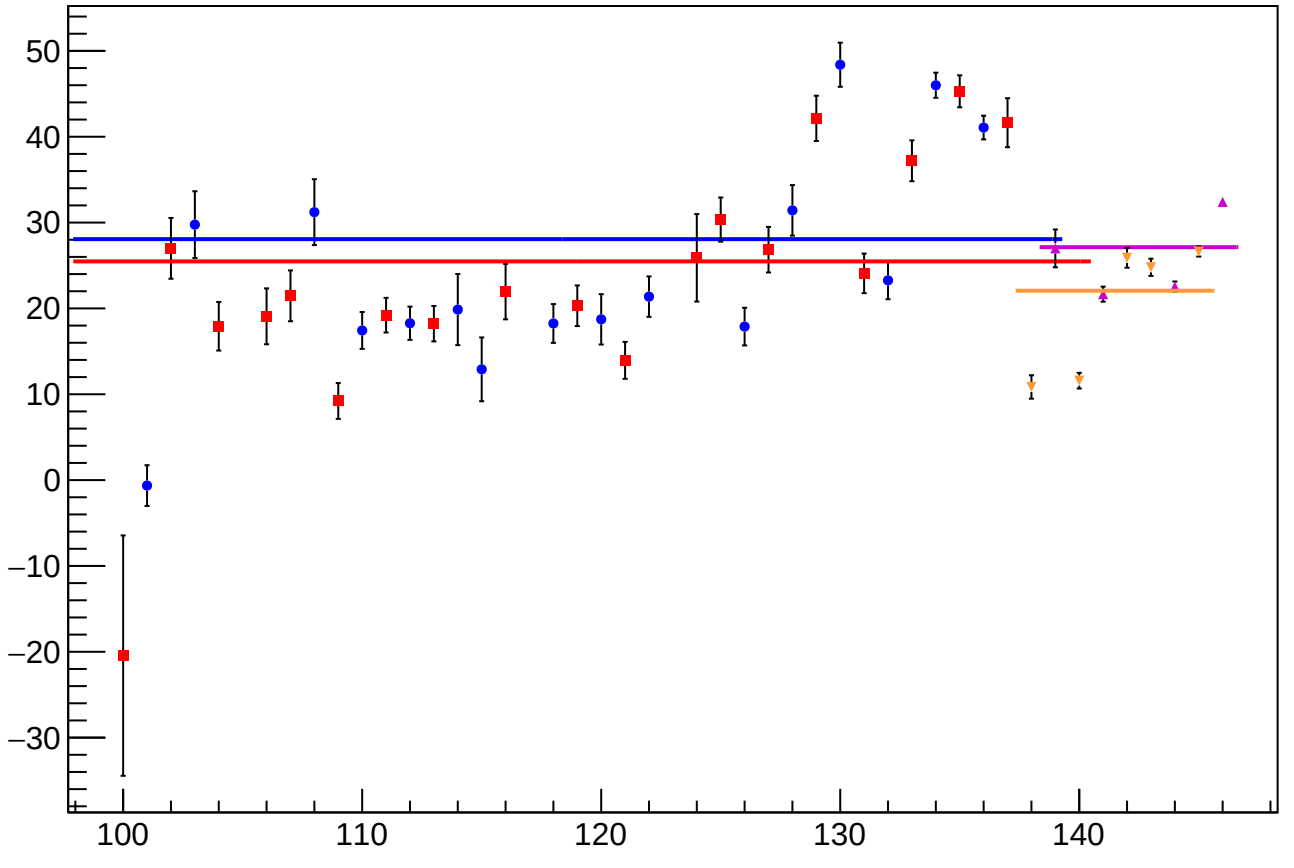
Left: -61.536+/-0.302 χ^2/NDF: 4758.2/8

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -71.807+/-0.329 χ^2/NDF:5388.1/19

Out: -74.935+/-0.341 χ^2/NDF:4563.4/23

All: -73.313+/-0.237 χ^2/NDF: 9995.1/43



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 22.061+/-0.397 χ^2/NDF:277.4/4

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 27.135+/-0.349 χ^2/NDF:206.1/3

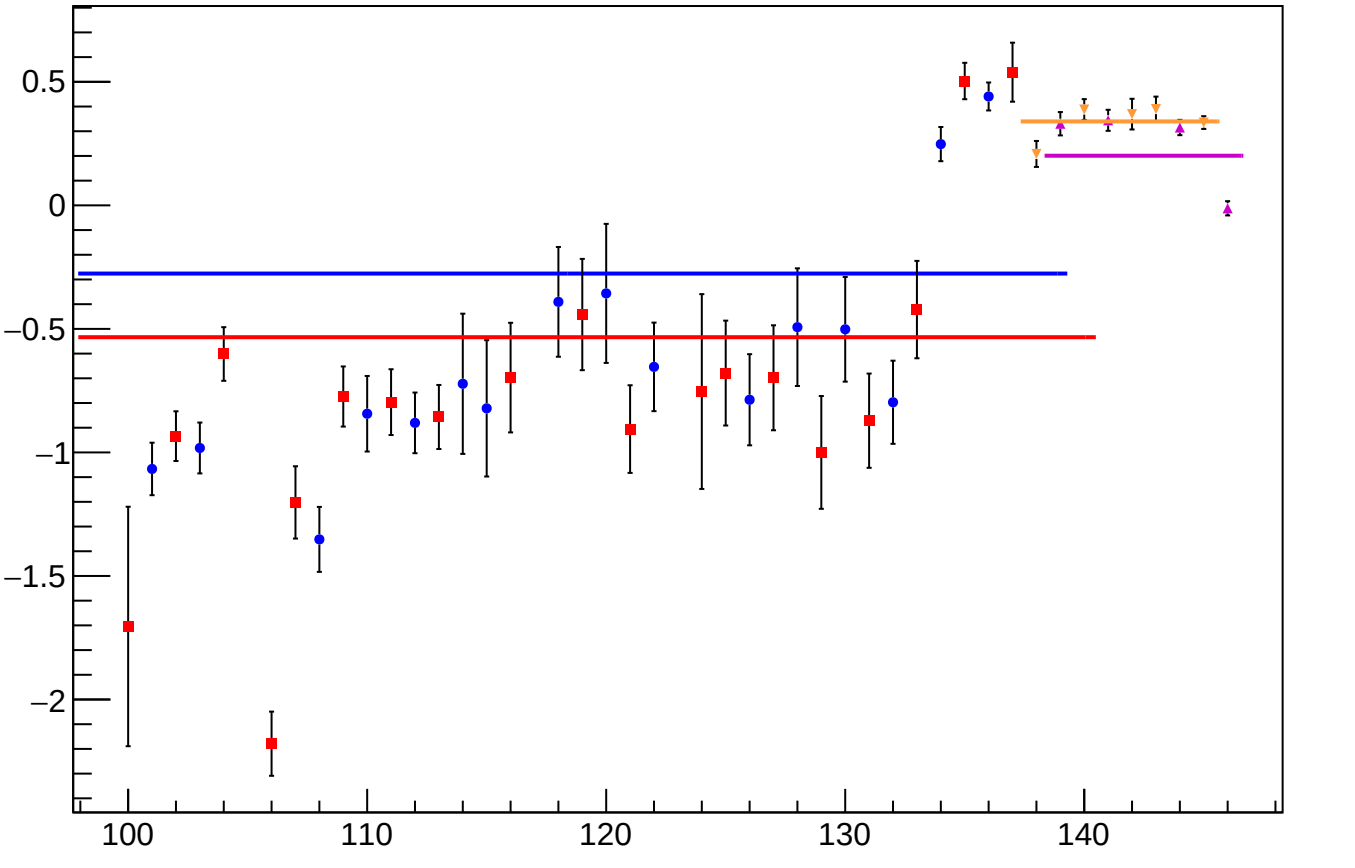
Left: 24.925+/-0.262 χ^2/NDF: 575.6/8

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 27.390+/-0.297 χ^2/NDF:791.1/19

Out: 23.125+/-0.330 χ^2/NDF:655.1/23

All: 25.476+/-0.221 χ^2/NDF: 1538.5/43



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.340+/-0.018 χ^2/NDF:8.8/4

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.201+/-0.018 χ^2/NDF:86.8/3

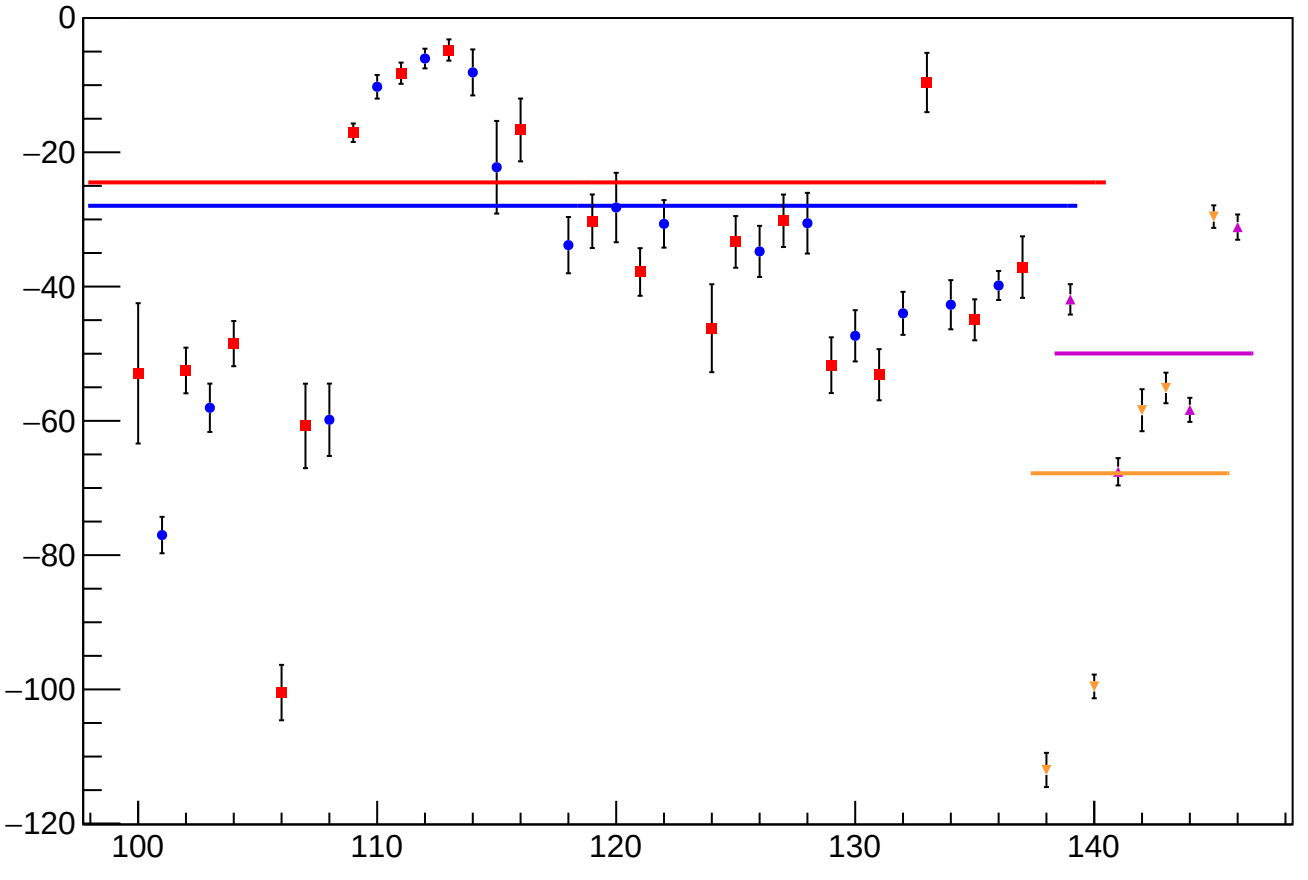
Left: 0.269+/-0.013 χ^2/NDF: 126.0/8

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.083+/-0.015 χ^2/NDF:724.7/19

Out: 0.138+/-0.016 χ^2/NDF:1062.4/23

All: 0.109+/-0.011 χ^2/NDF: 1793.4/43



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -67.808+/-0.943 χ^2/NDF:1182.3/4

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -49.962+/-0.985 χ^2/NDF:209.7/3

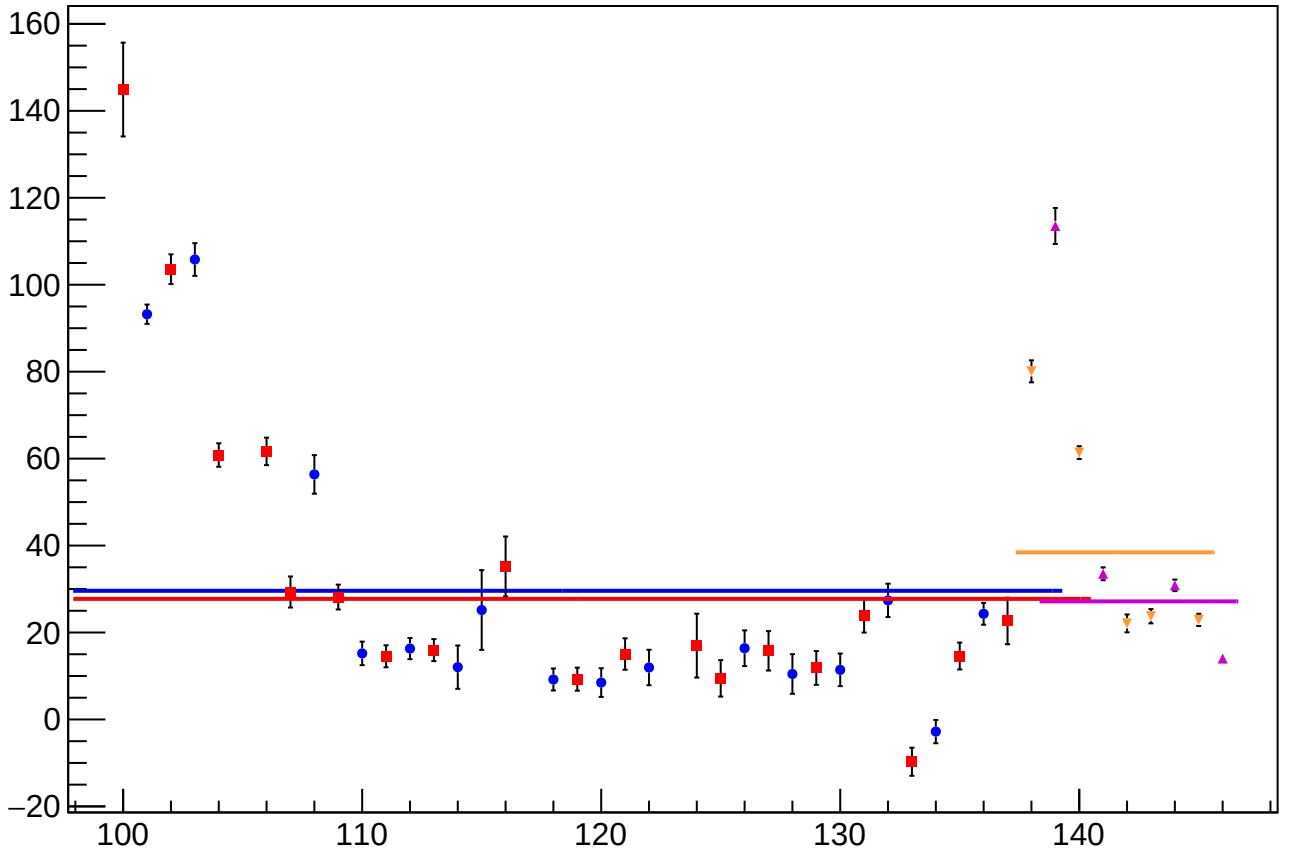
Left: -59.275+/-0.681 χ^2/NDF: 1563.3/8

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -35.731+/-0.585 χ^2/NDF:1427.0/19

Out: -38.814+/-0.542 χ^2/NDF:3584.8/23

All: -37.390+/-0.398 χ^2/NDF: 5026.7/43



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 38.434+/-0.759 χ^2/NDF:782.4/4

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 27.157+/-0.737 χ^2/NDF:592.1/3

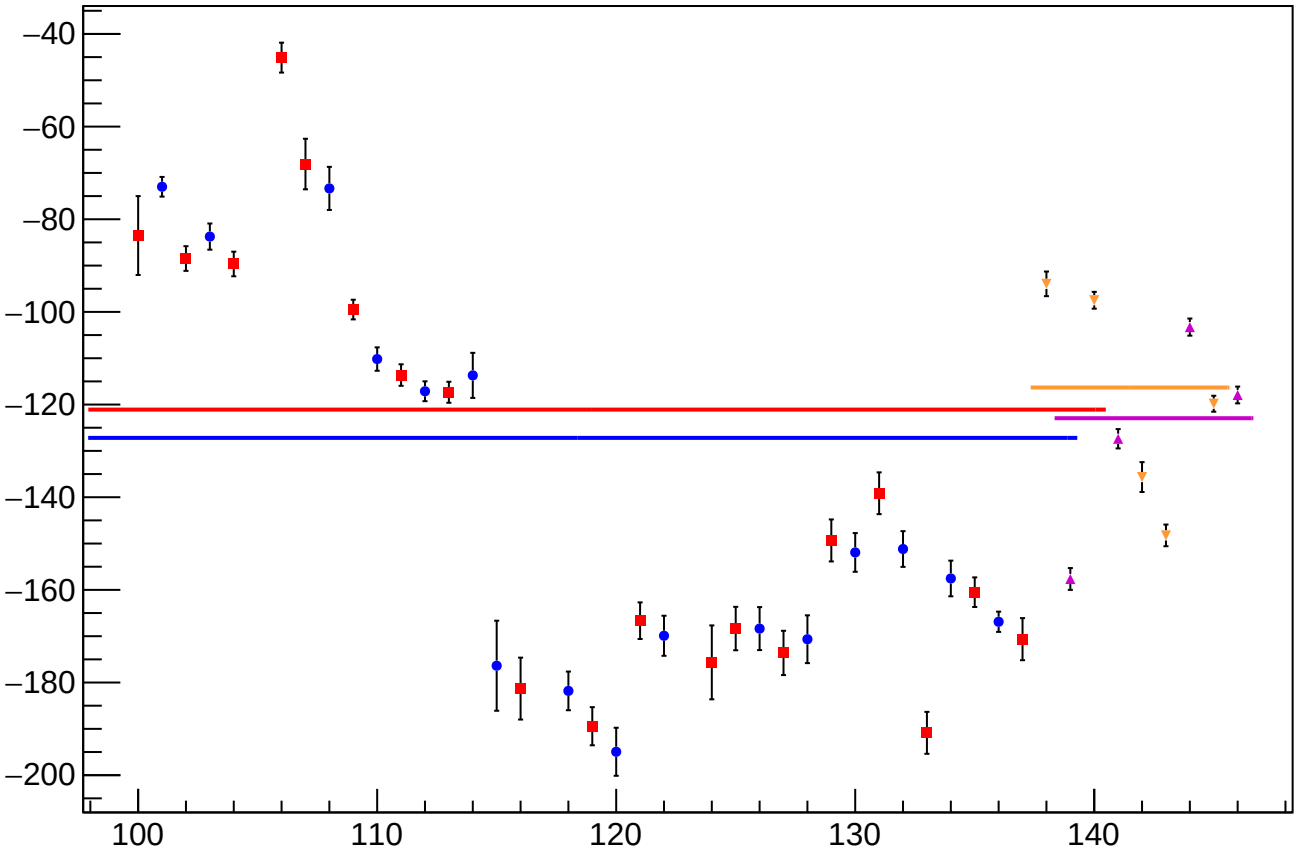
Left: 32.631+/-0.529 χ^2/NDF: 1488.2/8

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 28.265+/-0.544 χ^2/NDF:2262.7/19

Out: 33.348+/-0.550 χ^2/NDF:2062.0/23

All: 30.782+/-0.387 χ^2/NDF: 4368.0/43



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -116.318+/-0.971 χ^2/NDF:404.5/4

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -122.944+/-0.996 χ^2/NDF:342.7/3

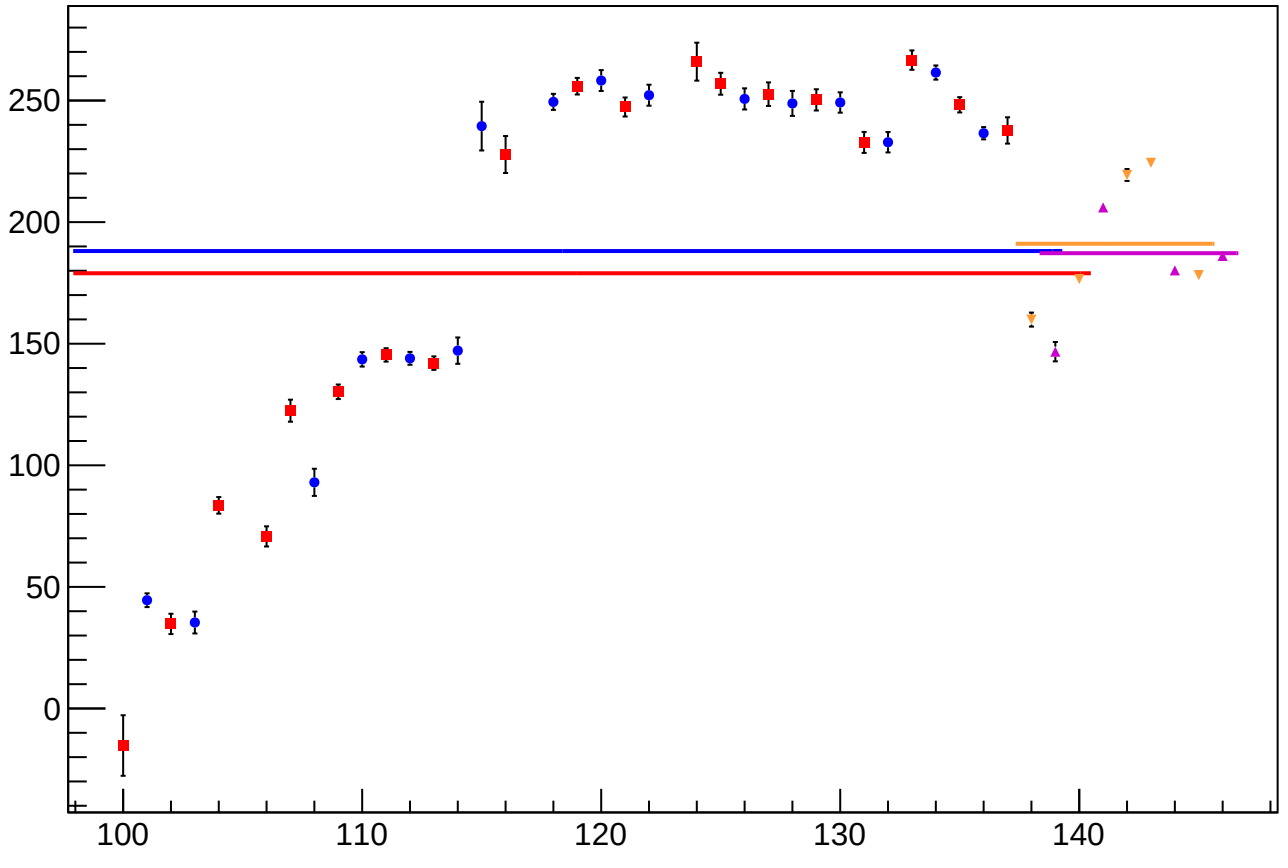
Left: -119.547+/-0.695 χ^2/NDF: 769.9/8

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -125.452+/-0.637 χ^2/NDF:2531.6/19

Out: -119.166+/-0.616 χ^2/NDF:2816.2/23

All: -122.204+/-0.443 χ^2/NDF: 5398.0/43



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 191.109+/-0.890 χ^2/NDF:674.6/4

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 187.224+/-0.879 χ^2/NDF:238.8/3

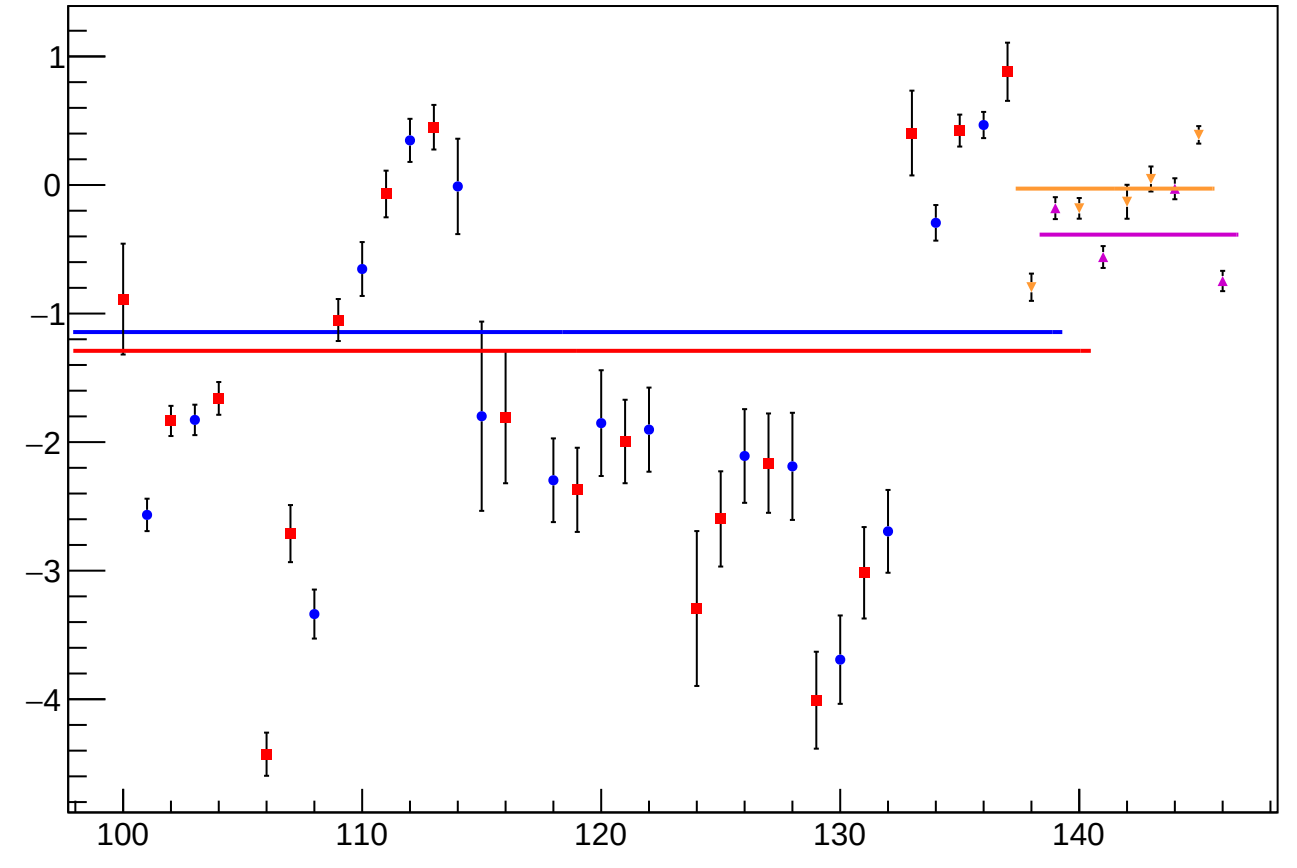
Left: 189.143+/-0.625 χ^2/NDF: 923.1/8

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 187.646+/-0.635 χ^2/NDF:7357.9/19

Out: 185.164+/-0.636 χ^2/NDF:7434.6/23

All: 186.407+/-0.449 χ^2/NDF: 14800.1/43



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.028+/-0.040 χ^2/NDF:94.8/4

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.386+/-0.041 χ^2/NDF:50.1/3

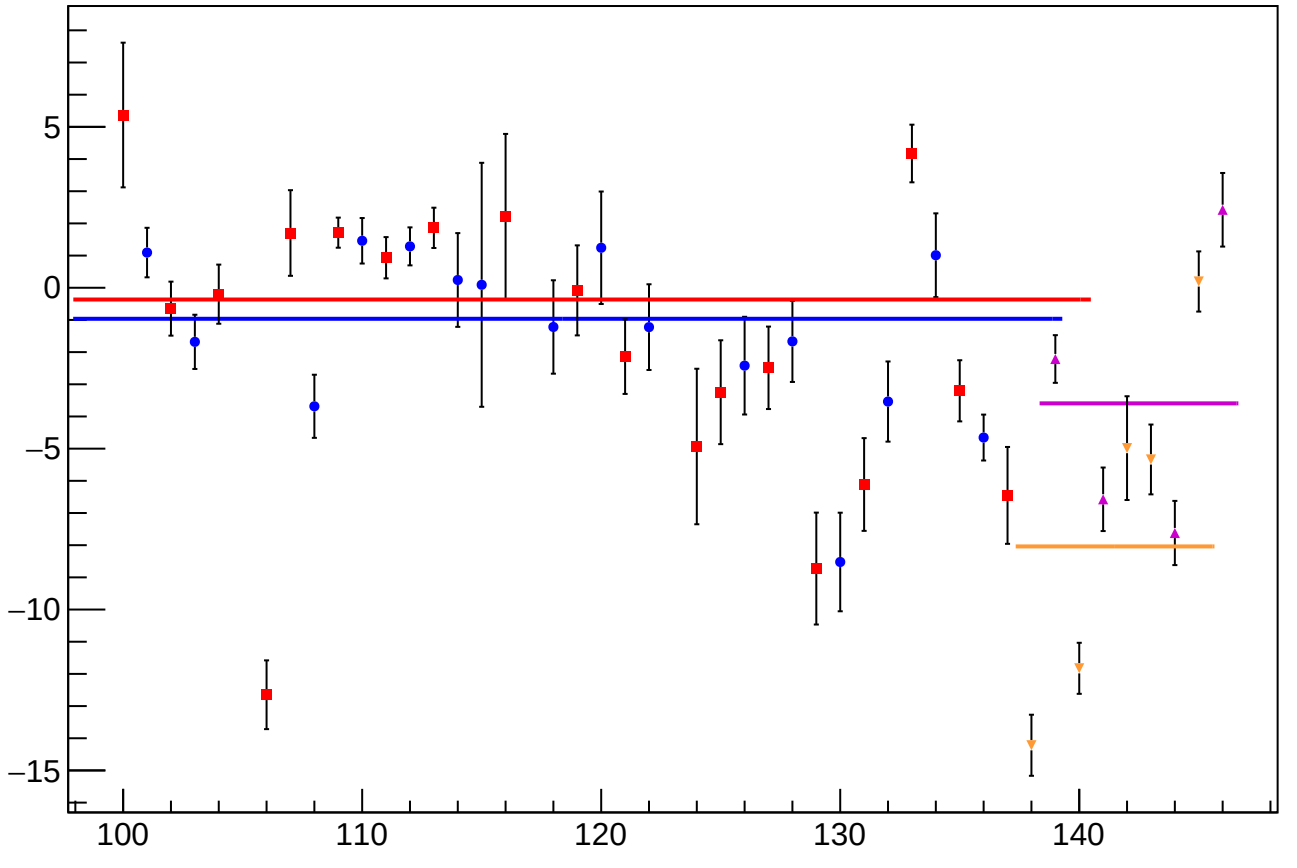
Left: -0.202+/-0.029 χ^2/NDF: 183.6/8

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.708+/-0.031 χ^2/NDF:980.7/19

Out: -0.554+/-0.031 χ^2/NDF:1505.7/23

All: -0.629+/-0.022 χ^2/NDF: 2498.8/43



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -8.039+/-0.444 χ^2/NDF:152.5/4

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -3.592+/-0.465 χ^2/NDF:56.6/3

Left: -5.921+/-0.321 χ^2/NDF: 256.9/8

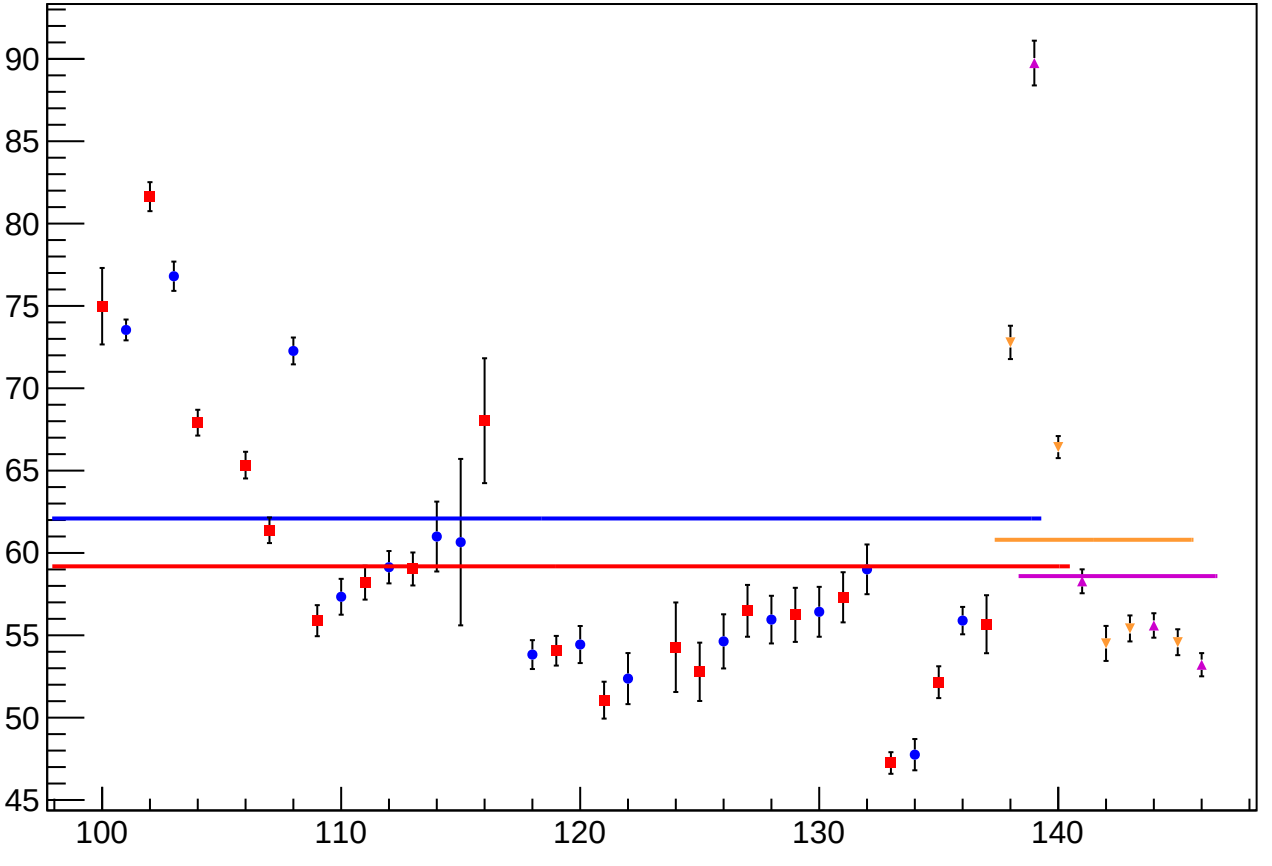
Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -1.564+/-0.222 χ^2/NDF:184.3/19

Out: -1.920+/-0.200 χ^2/NDF:671.5/23

All: -1.761+/-0.149 χ^2/NDF: 857.2/43

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 60.800+/-0.370 χ^2/NDF:355.0/4

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 58.595+/-0.400 χ^2/NDF:600.3/3

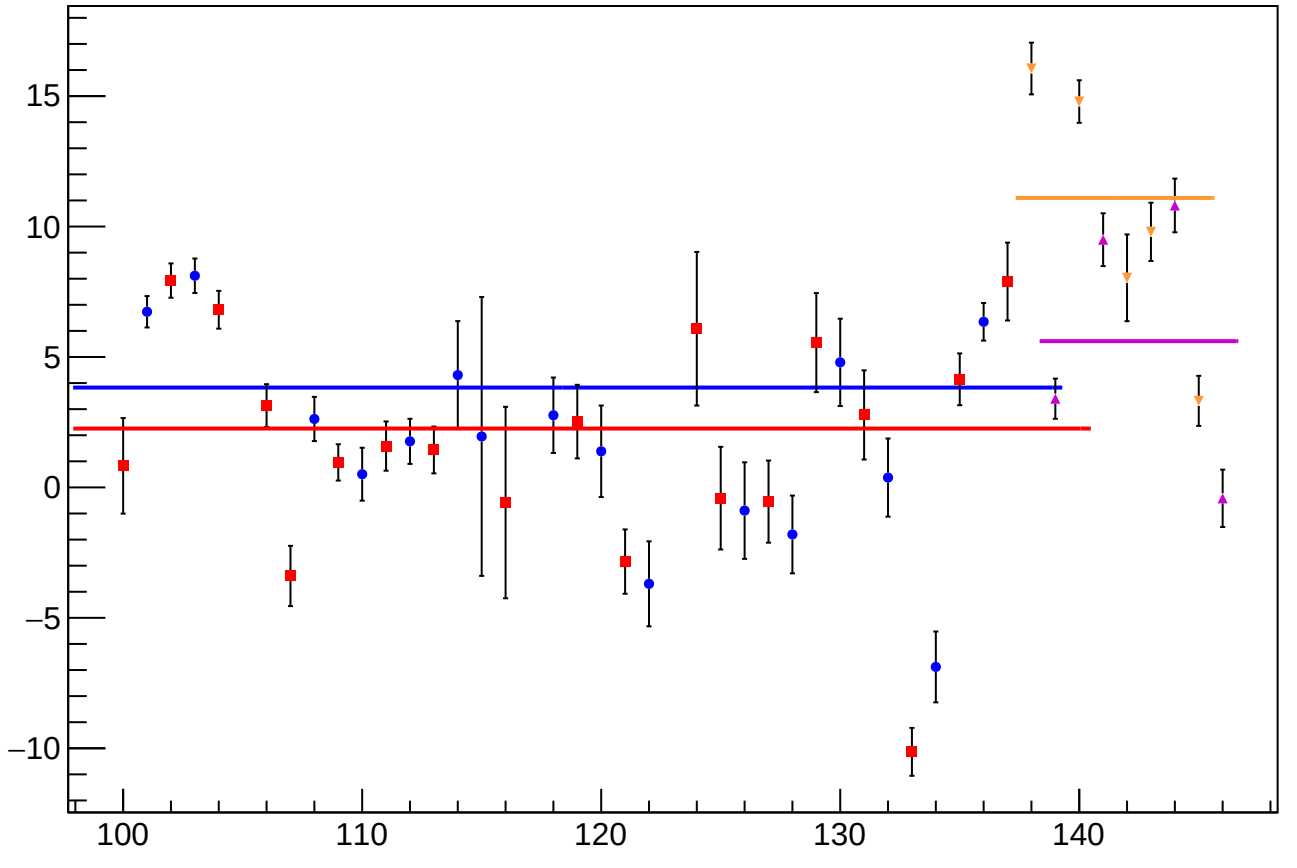
Left: 59.783+/-0.271 χ^2/NDF: 971.6/8

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 61.023+/-0.221 χ^2/NDF:1954.8/19

Out: 59.676+/-0.204 χ^2/NDF:1770.4/23

All: 60.294+/-0.150 χ^2/NDF: 3745.2/43



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 11.096+/-0.458 χ^2/NDF:116.1/4

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 5.607+/-0.475 χ^2/NDF:78.6/3

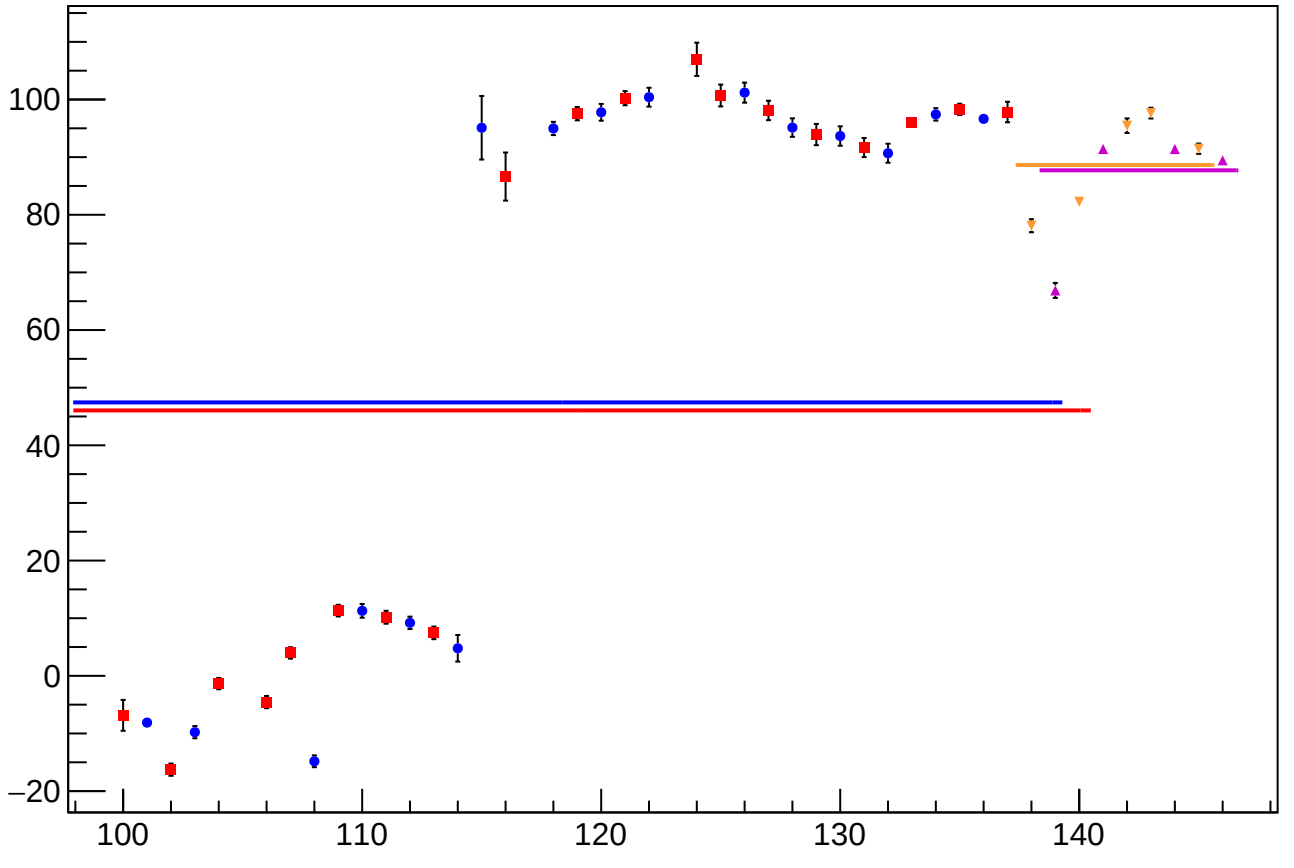
Left: 8.452+/-0.330 χ^2/NDF: 263.9/8

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 4.251+/-0.232 χ^2/NDF:297.9/19

Out: 4.243+/-0.217 χ^2/NDF:777.1/23

All: 4.247+/-0.158 χ^2/NDF: 1074.9/43



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 88.638+/-0.432 χ^2/NDF:282.2/4

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 87.712+/-0.466 χ^2/NDF:295.5/3

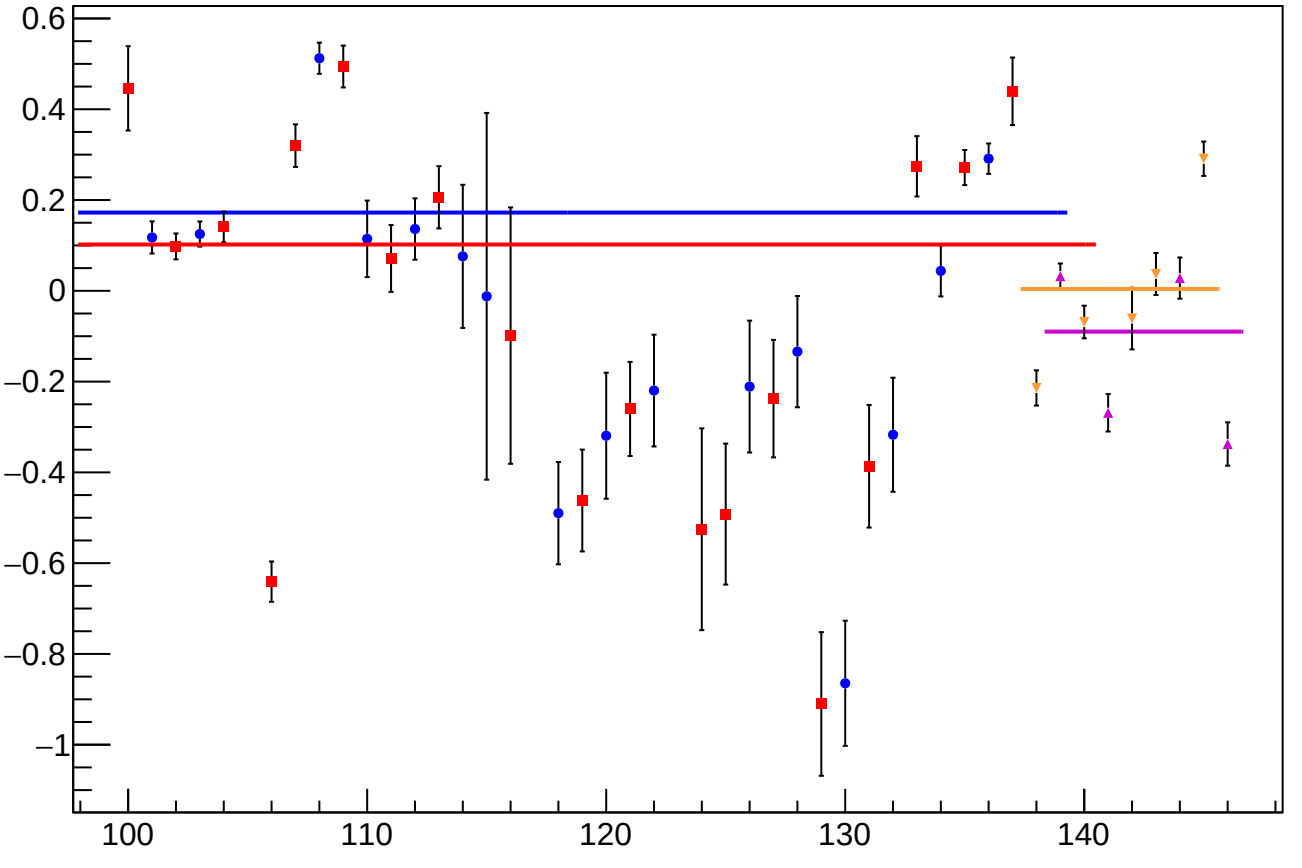
Left: 88.210+/-0.317 χ^2/NDF: 579.8/8

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 59.681+/-0.257 χ^2/NDF:32375.2/19

Out: 58.933+/-0.238 χ^2/NDF:35959.5/23

All: 59.277+/-0.174 χ^2/NDF: 68339.3/43



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: 0.004+/-0.019 χ^2/NDF:94.5/4

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.090+/-0.019 χ^2/NDF:71.5/3

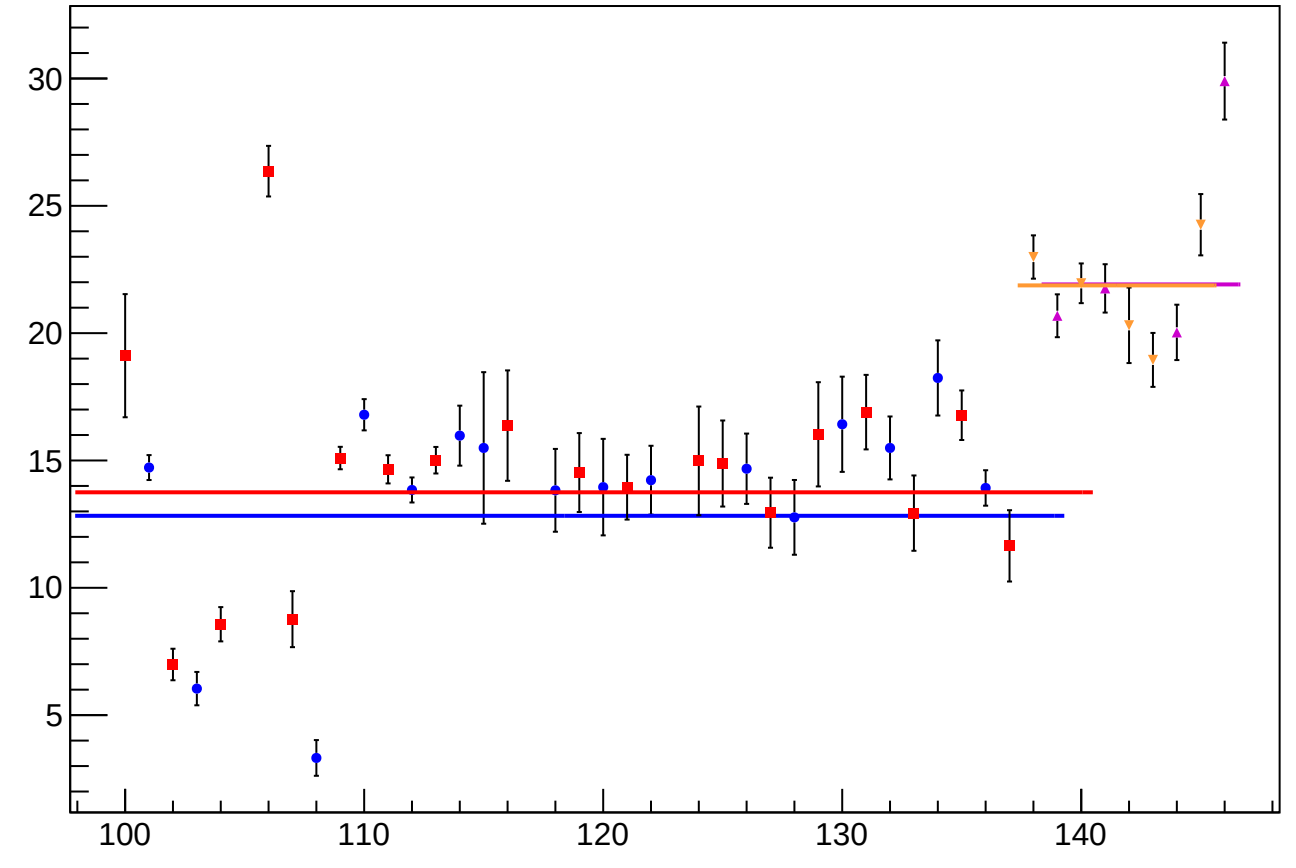
Left: -0.043+/-0.013 χ^2/NDF: 178.4/8

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.078+/-0.011 χ^2/NDF:459.6/19

Out: 0.069+/-0.011 χ^2/NDF:671.1/23

All: 0.074+/-0.008 χ^2/NDF: 1131.1/43



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.875+/-0.444 χ^2/NDF:14.4/4

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.914+/-0.513 χ^2/NDF:33.1/3

Left: 21.892+/-0.336 χ^2/NDF: 47.5/8

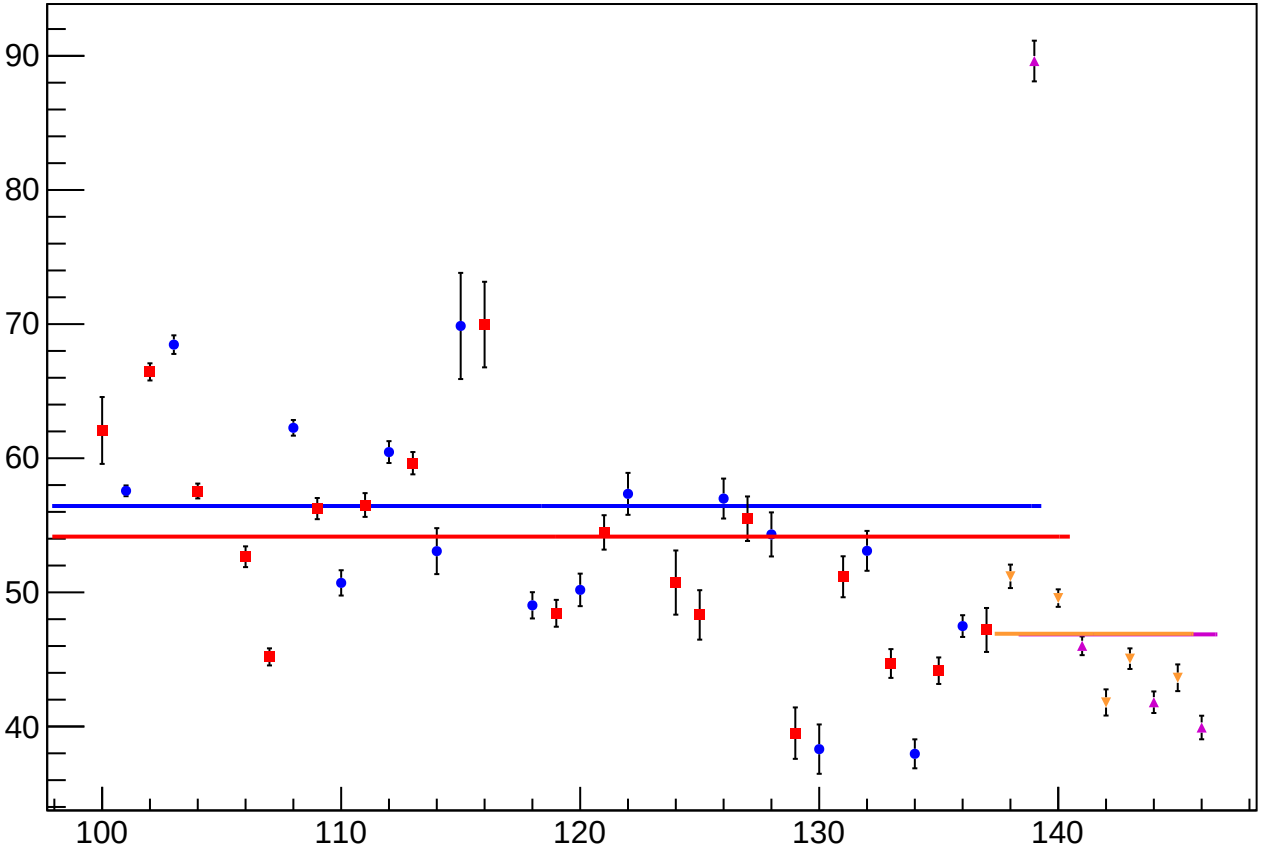
Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 14.176+/-0.198 χ^2/NDF:688.7/19

Out: 15.166+/-0.185 χ^2/NDF:694.4/23

All: 14.702+/-0.135 χ^2/NDF: 1396.4/43

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 46.914+/-0.367 χ^2/NDF:84.8/4

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 46.867+/-0.433 χ^2/NDF:897.5/3

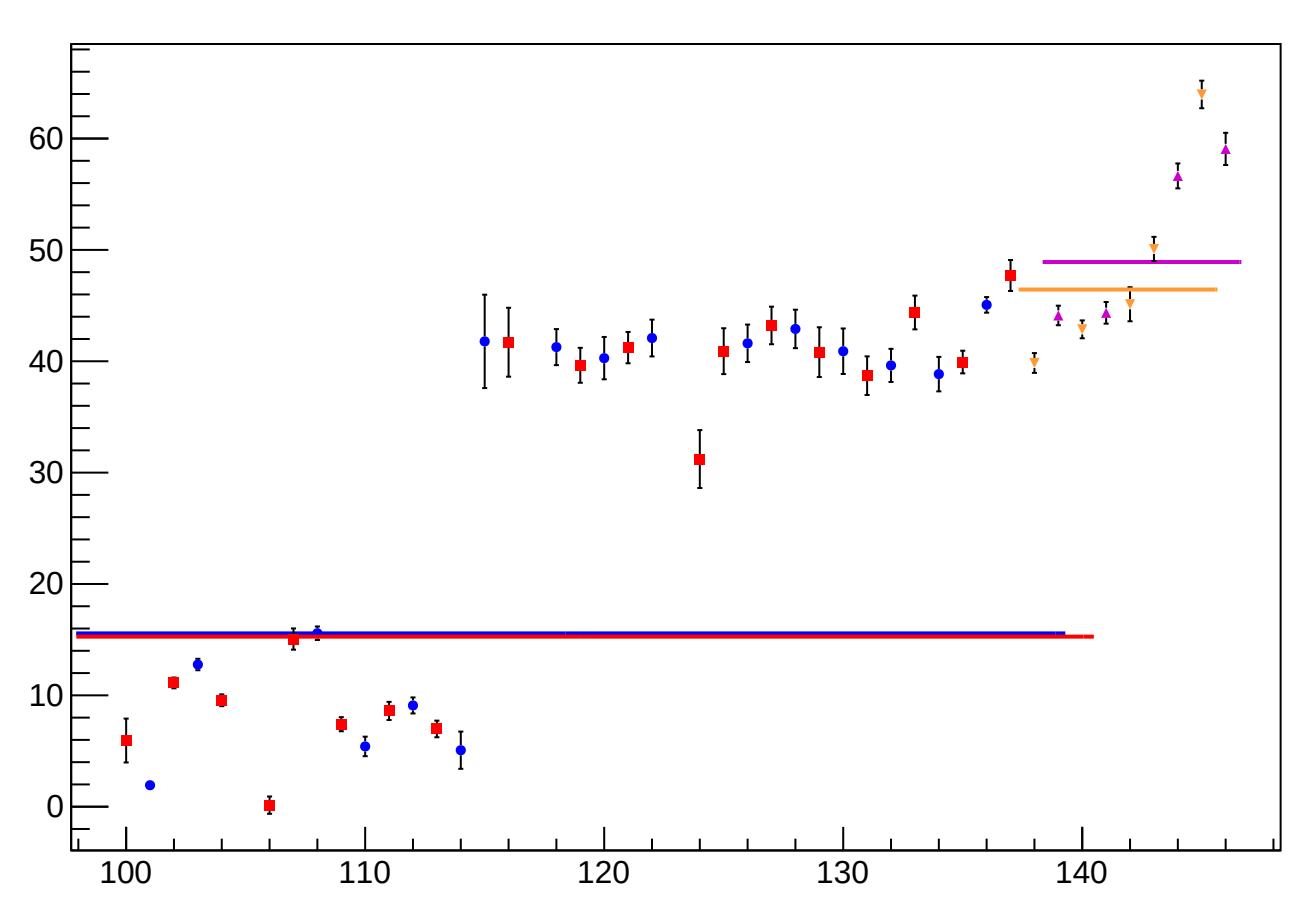
Left: 46.895+/-0.280 χ^2/NDF: 982.3/8

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 54.447+/-0.197 χ^2/NDF:2372.8/19

Out: 52.186+/-0.192 χ^2/NDF:1374.5/23

All: 53.282+/-0.137 χ^2/NDF: 3814.9/43



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 46.441+/-0.459 χ^2/NDF:287.0/4

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 48.913+/-0.525 χ^2/NDF:149.0/3

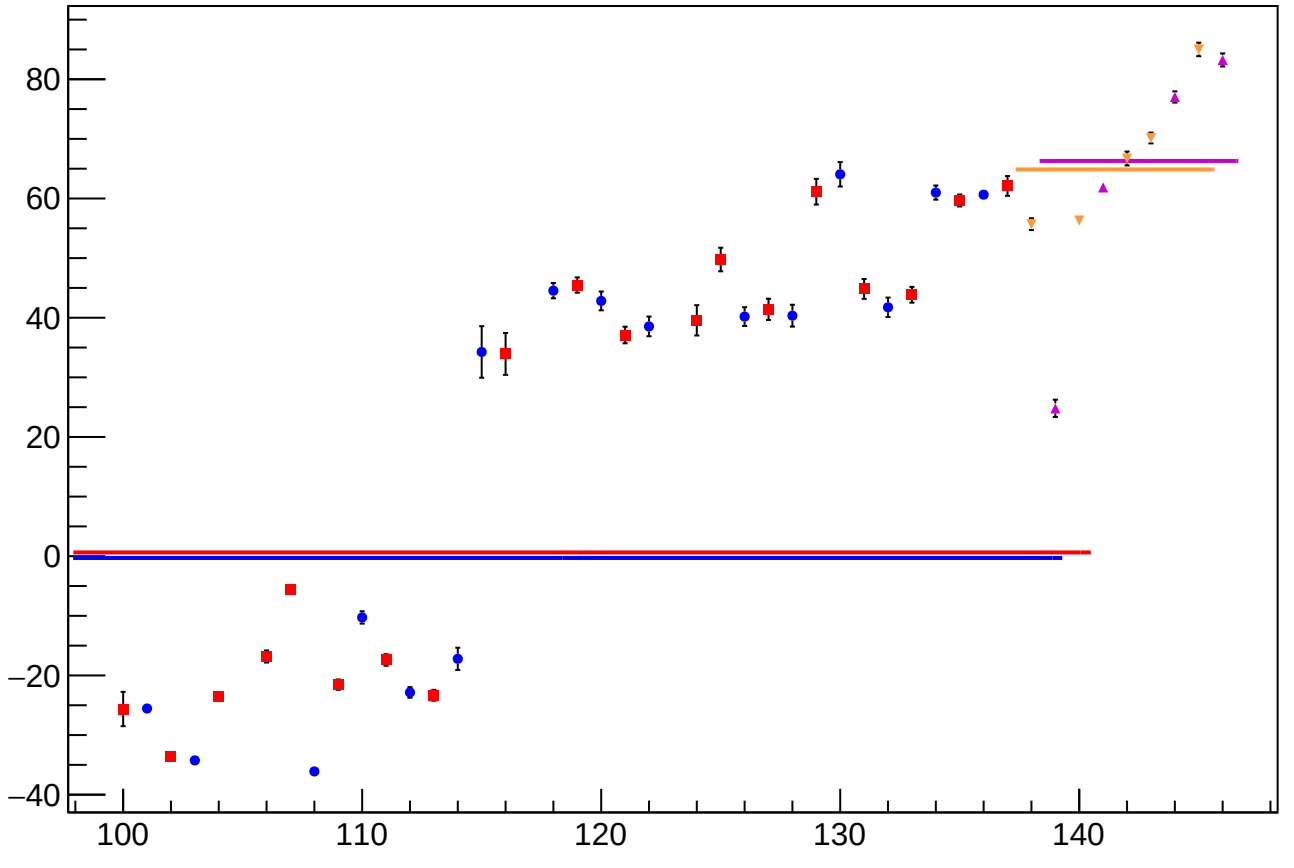
Left: 47.513+/-0.346 χ^2/NDF: 448.7/8

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 20.316+/-0.198 χ^2/NDF:8788.2/19

Out: 21.057+/-0.198 χ^2/NDF:7914.8/23

All: 20.687+/-0.140 χ^2/NDF: 16710.0/43



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.875+/-0.431 χ^2/NDF:555.6/4

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 66.300+/-0.507 χ^2/NDF:1209.7/3

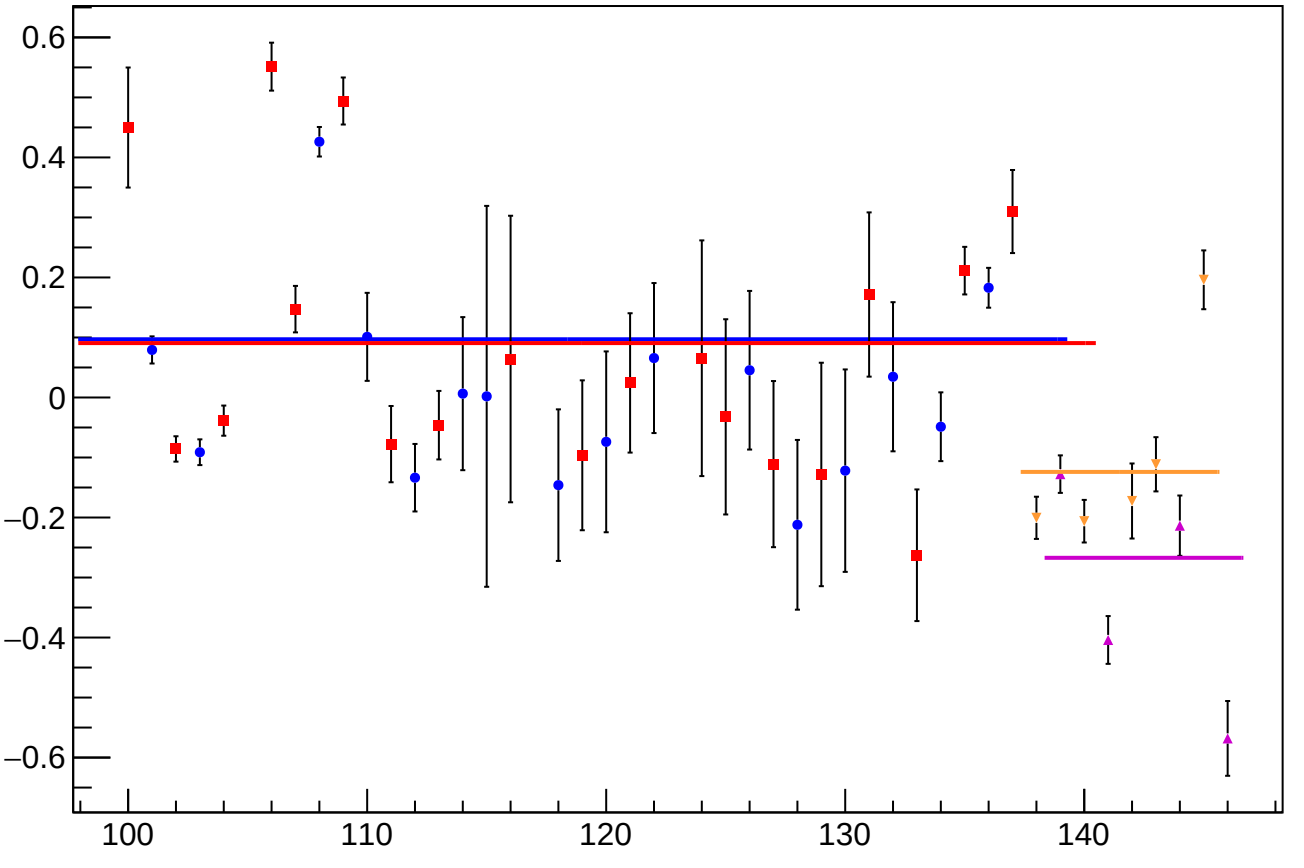
Left: 65.473+/-0.329 χ^2/NDF: 1769.9/8

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 13.679+/-0.232 χ^2/NDF:35861.2/19

Out: 18.110+/-0.225 χ^2/NDF:32740.6/23

All: 15.966+/-0.162 χ^2/NDF: 68789.4/43



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.124+/-0.019 χ^2/NDF:53.4/4

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.267+/-0.021 χ^2/NDF:56.2/3

Left: -0.189+/-0.014 χ^2/NDF: 135.4/8

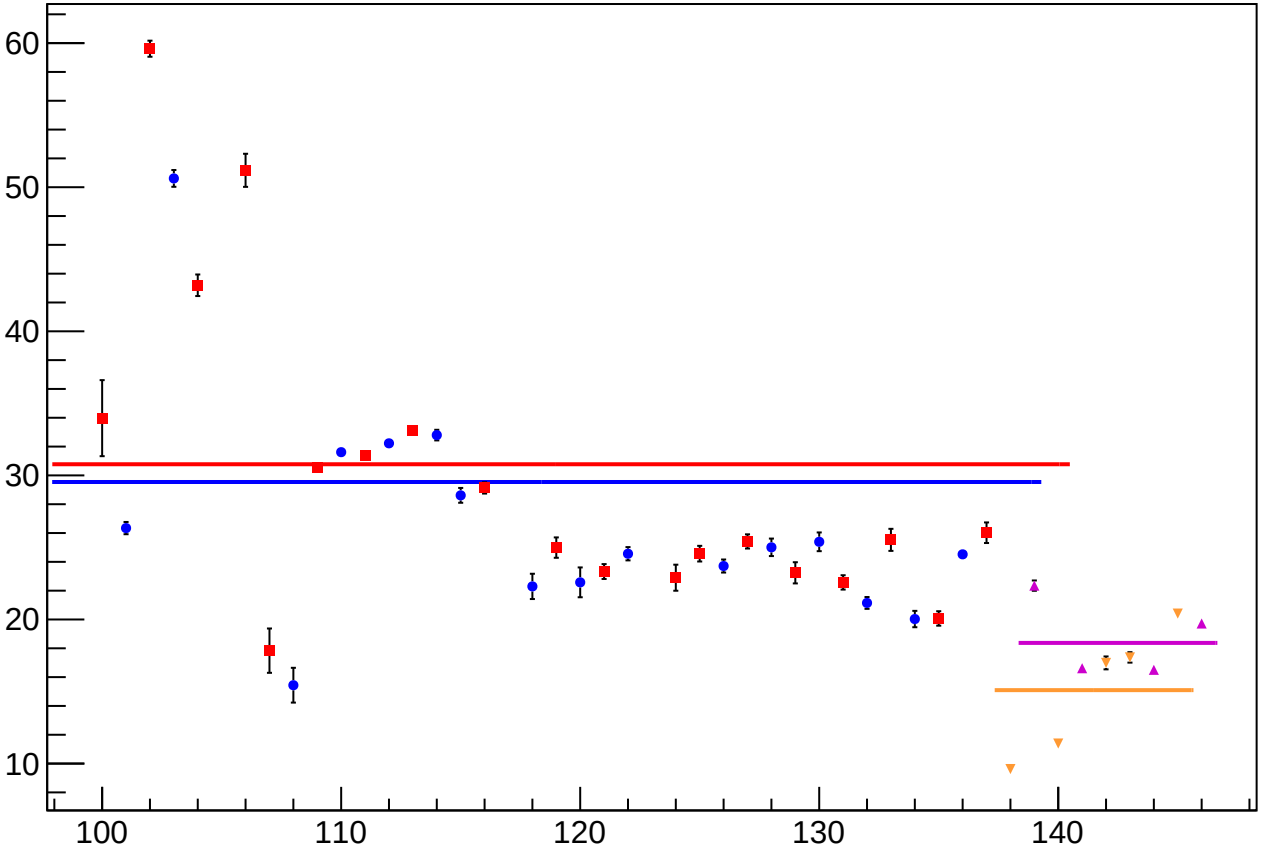
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: 0.015+/-0.010 χ^2/NDF:592.4/19

Out: 0.034+/-0.010 χ^2/NDF:546.6/23

All: 0.025+/-0.007 χ^2/NDF: 1140.9/43

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.096+/-0.144 χ^2/NDF:895.1/4

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 18.374+/-0.159 χ^2/NDF:216.0/3

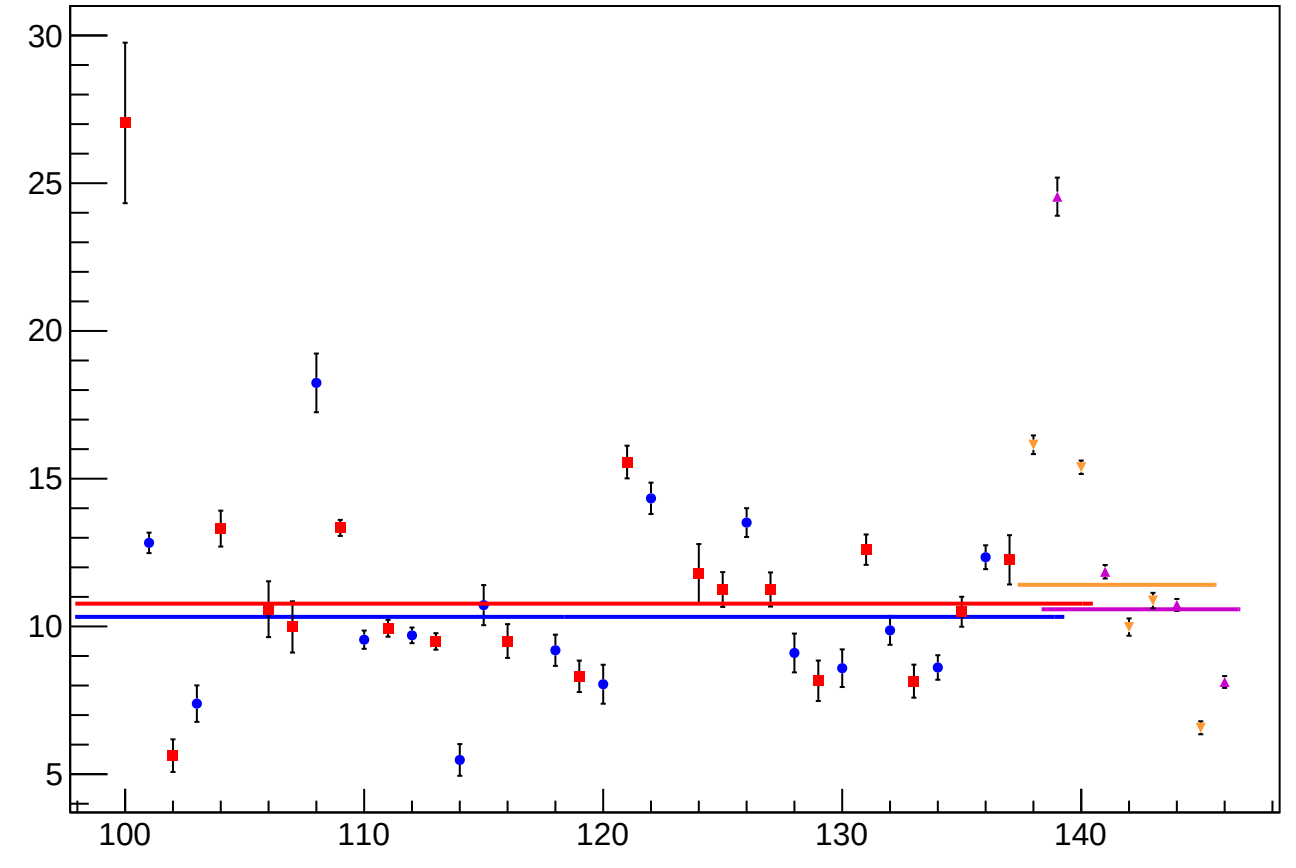
Left: 16.568+/-0.107 χ^2/NDF: 1344.6/8

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 26.749+/-0.080 χ^2/NDF:7276.5/19

Out: 27.056+/-0.070 χ^2/NDF:15047.0/23

All: 26.922+/-0.053 χ^2/NDF: 22331.9/43



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 11.408+/-0.115 χ^2/NDF:1037.9/4

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.580+/-0.119 χ^2/NDF:650.6/3

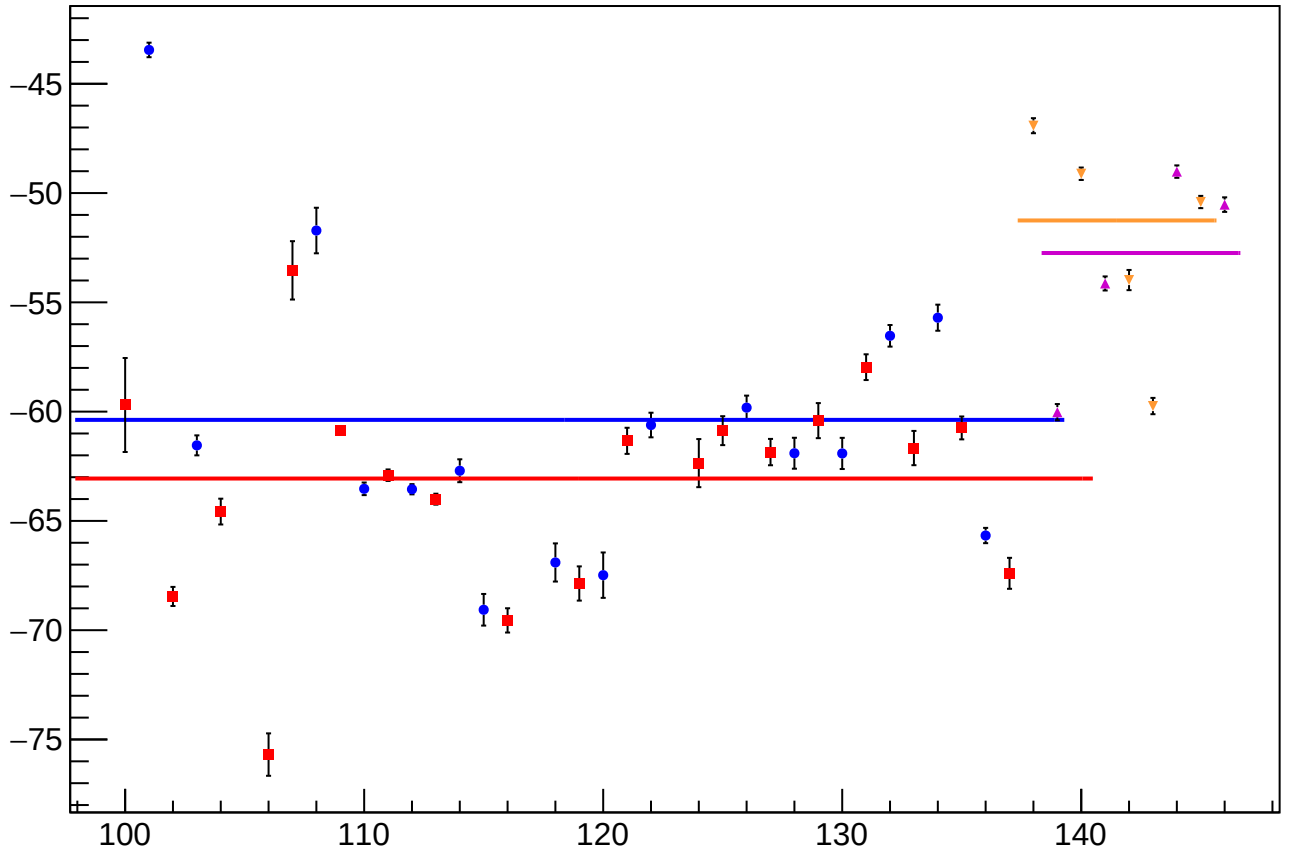
Left: 11.009+/-0.083 χ^2/NDF: 1713.6/8

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.447+/-0.082 χ^2/NDF:1055.7/19

Out: 11.085+/-0.080 χ^2/NDF:1469.4/23

All: 10.773+/-0.058 χ^2/NDF: 2555.8/43



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -51.254+/-0.148 χ^2/NDF:777.1/4

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -52.743+/-0.162 χ^2/NDF:617.2/3

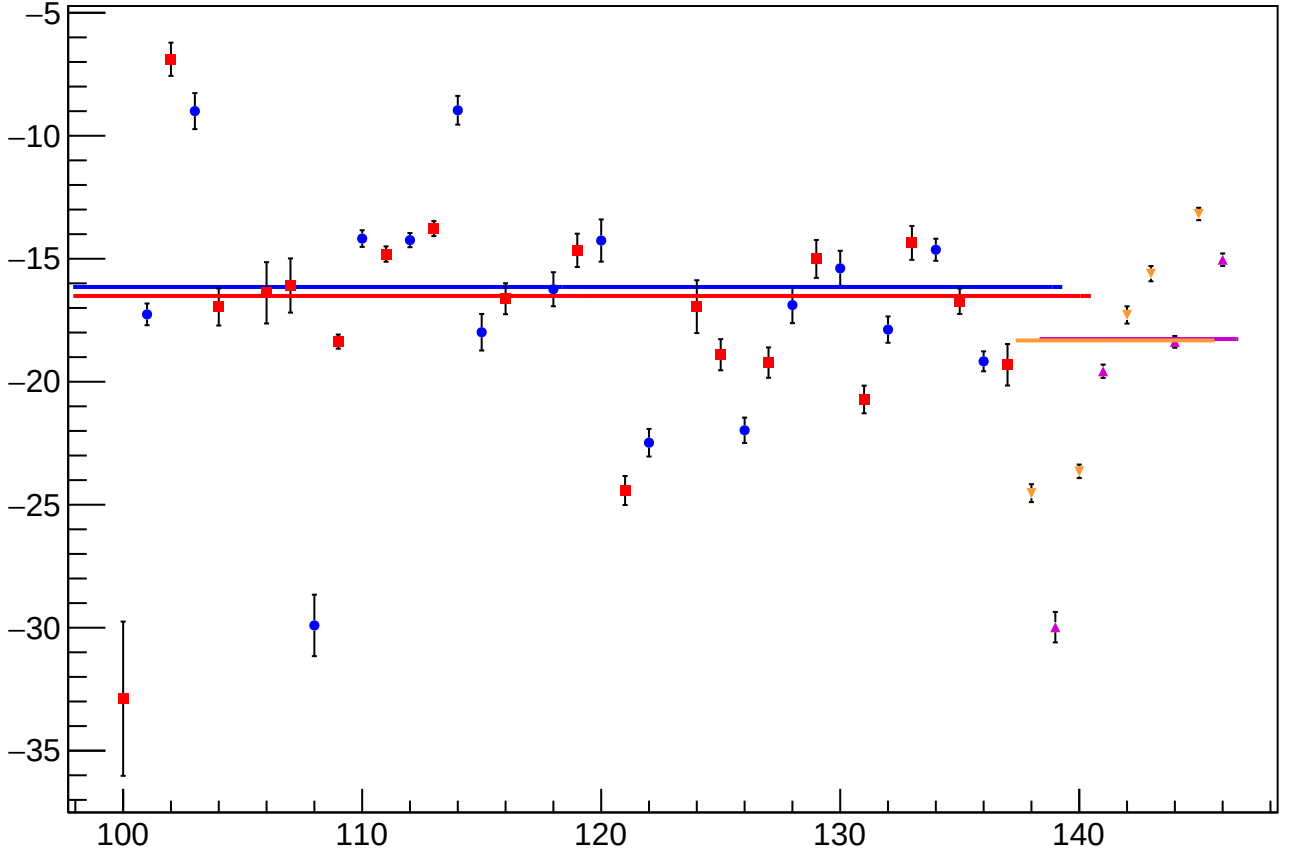
Left: -51.935+/-0.109 χ^2/NDF: 1440.3/8

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -57.872+/-0.093 χ^2/NDF:5712.4/19

Out: -59.012+/-0.087 χ^2/NDF:5778.0/23

All: -58.478+/-0.063 χ^2/NDF: 11570.8/43



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.321+/-0.135 χ^2/NDF:1164.3/4

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -18.263+/-0.142 χ^2/NDF:543.6/3

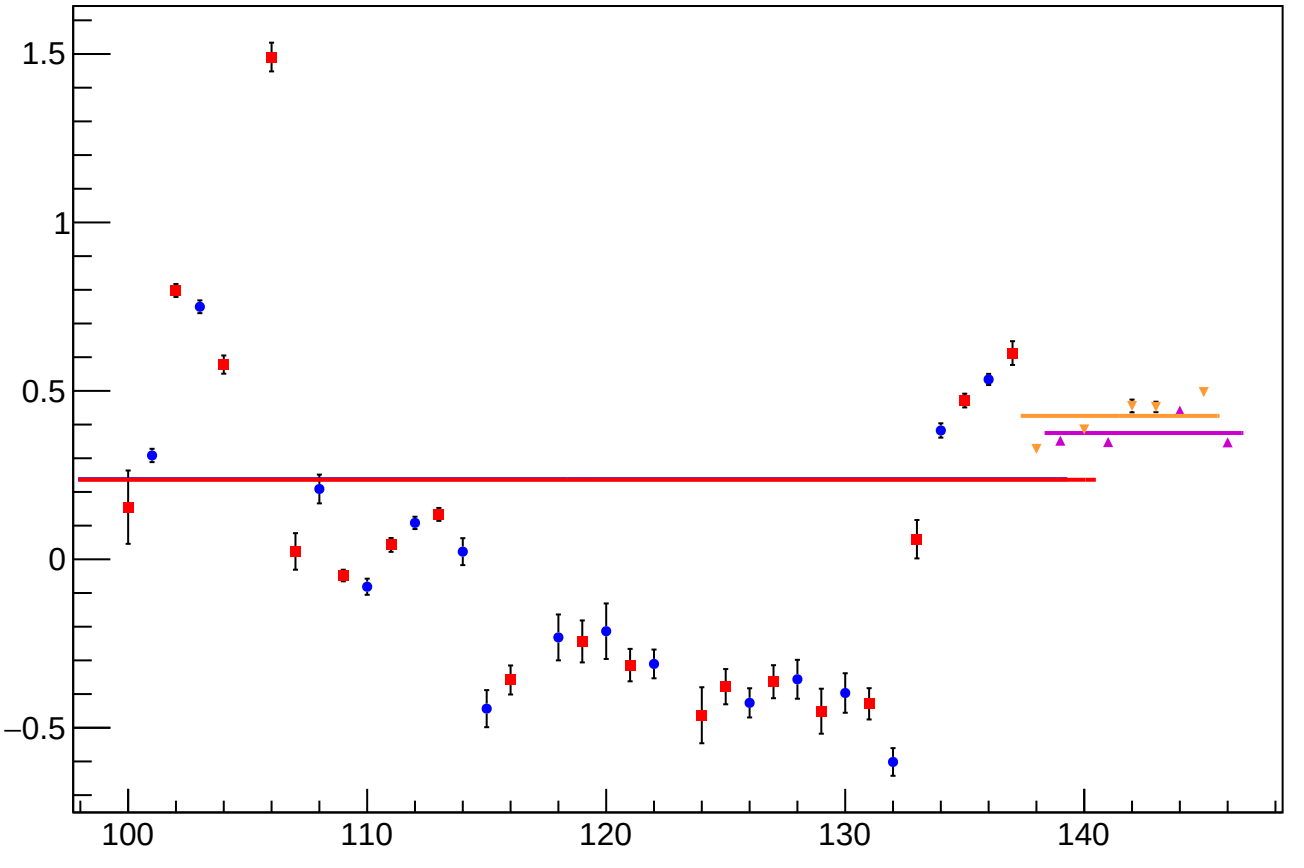
Left: -18.294+/-0.098 χ^2/NDF: 1708.0/8

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.085+/-0.095 χ^2/NDF:1463.5/19

Out: -17.345+/-0.092 χ^2/NDF:1946.0/23

All: -17.220+/-0.066 χ^2/NDF: 3413.4/43



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.426+/-0.006 χ^2/NDF:105.6/4

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.375+/-0.007 χ^2/NDF:38.3/3

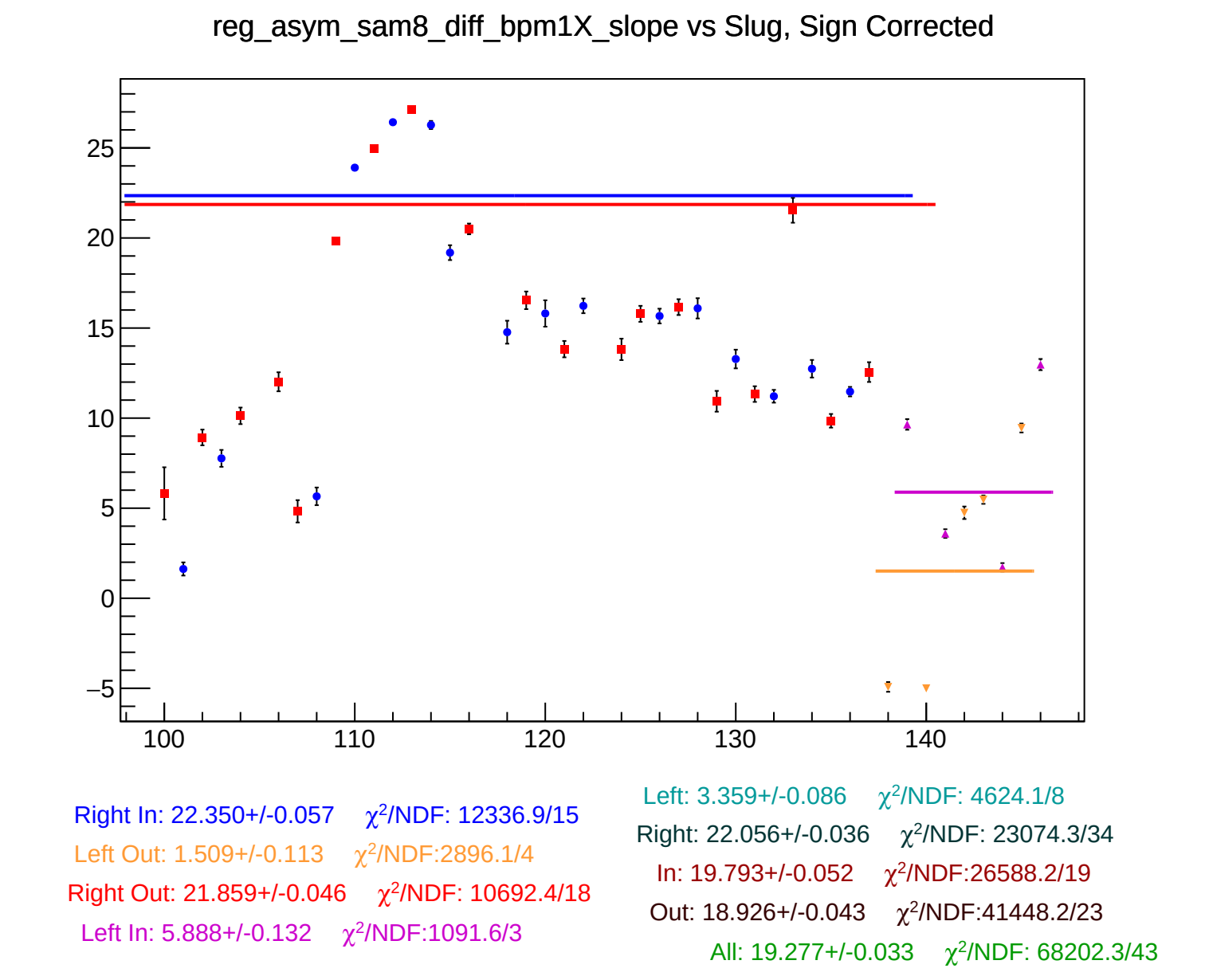
Left: 0.402+/-0.005 χ^2/NDF: 175.4/8

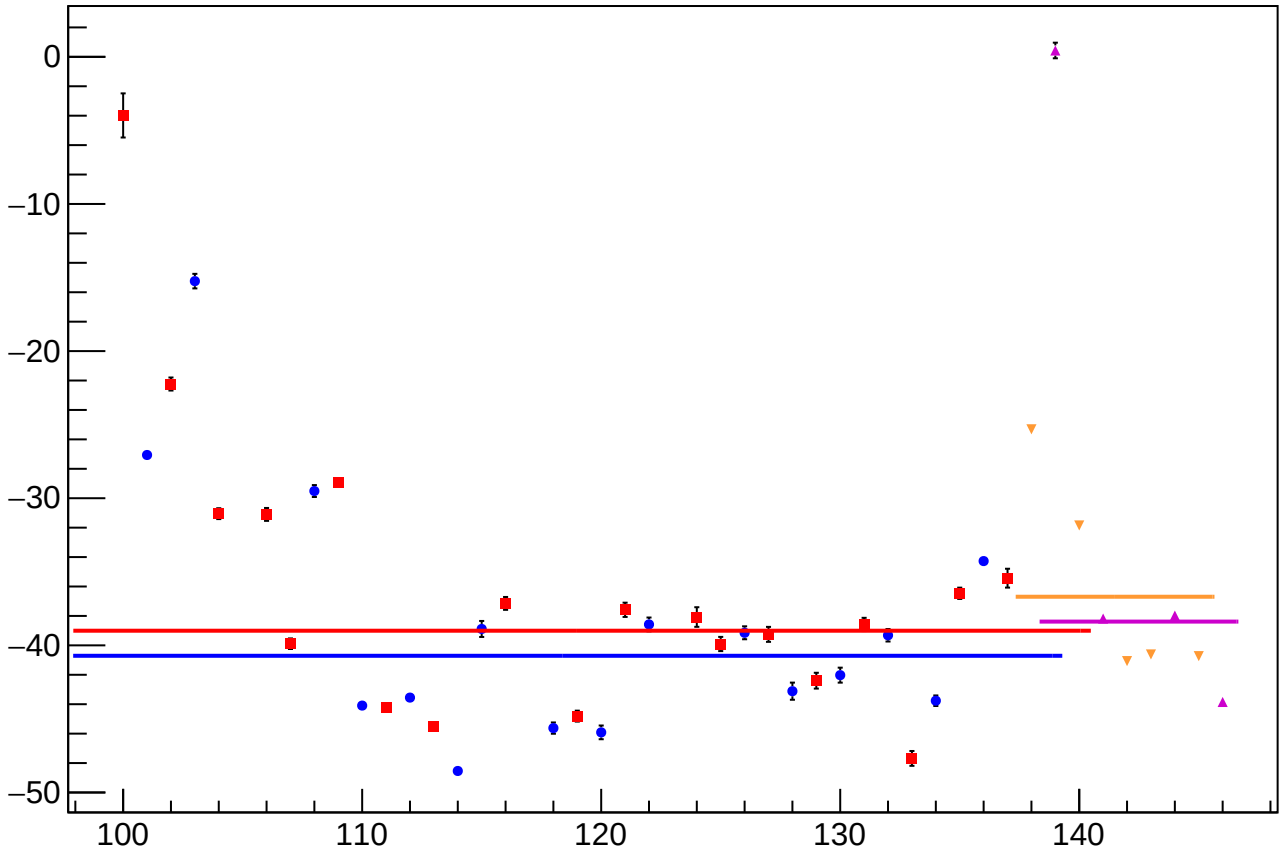
Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.310+/-0.005 χ^2/NDF:2870.6/19

Out: 0.344+/-0.005 χ^2/NDF:4108.6/23

All: 0.328+/-0.003 χ^2/NDF: 7004.9/43


reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
100
110
120
130
140
Right In: 22.350+/-0.057 χ²/NDF: 12336.9/15
Left Out: 1.509+/-0.113 χ²/NDF:2896.1/4
Right Out: 21.859+/-0.046 χ²/NDF: 10692.4/18
Left In: 5.888+/-0.132 χ²/NDF:1091.6/3
Left: 3.359+/-0.086 χ²/NDF: 4624.1/8
Right: 22.056+/-0.036 χ²/NDF: 23074.3/34
In: 19.793+/-0.052 χ²/NDF:26588.2/19
Out: 18.926+/-0.043 χ²/NDF:41448.2/23
All: 19.277+/-0.033 χ²/NDF: 68202.3/43



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -36.695+/-0.089 χ^2/NDF:3947.7/4

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -38.385+/-0.101 χ^2/NDF:6217.5/3

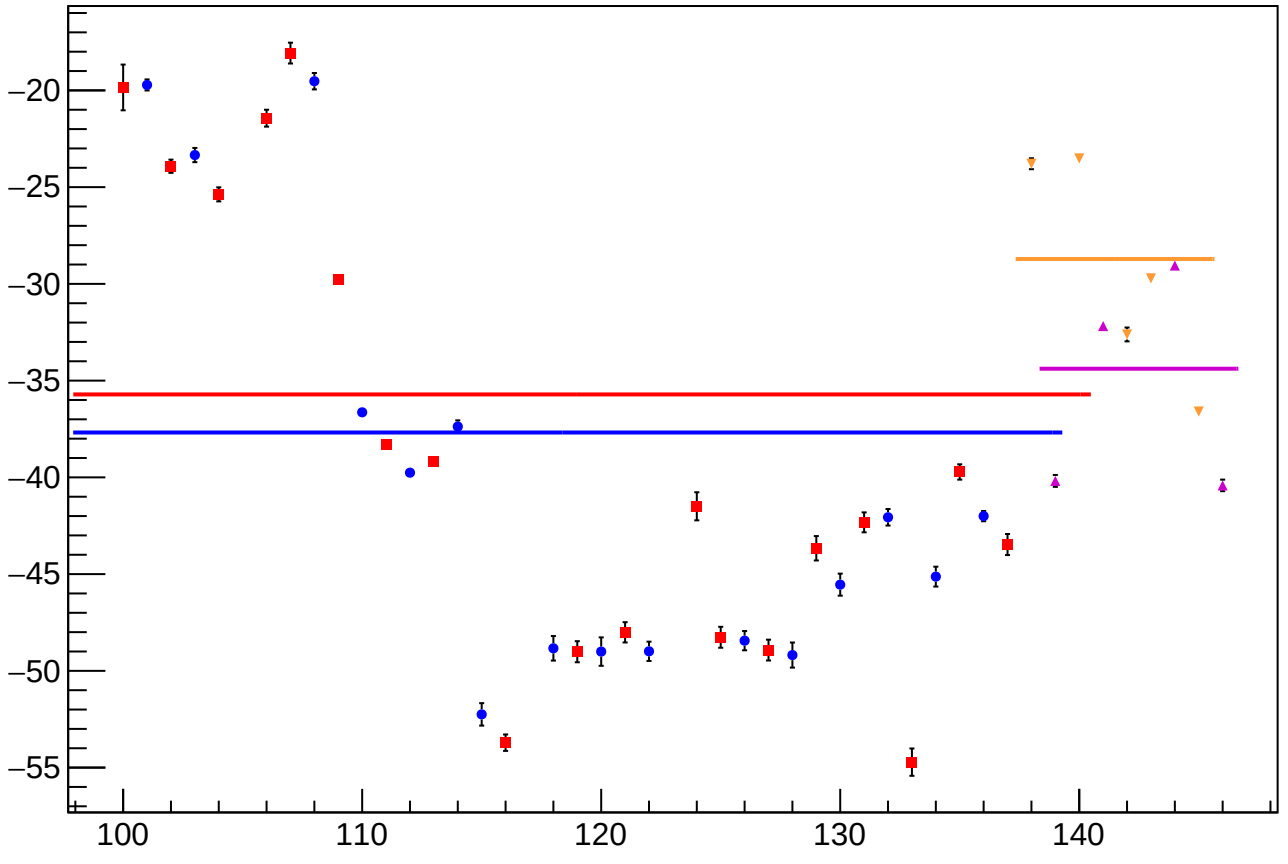
Left: -37.440+/-0.067 χ^2/NDF: 10323.2/8

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -39.857+/-0.061 χ^2/NDF:14336.3/19

Out: -38.109+/-0.056 χ^2/NDF:14458.9/23

All: -38.904+/-0.041 χ^2/NDF: 29244.5/43



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -28.713+/-0.116 χ^2/NDF:1951.4/4

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -34.385+/-0.134 χ^2/NDF:1334.4/3

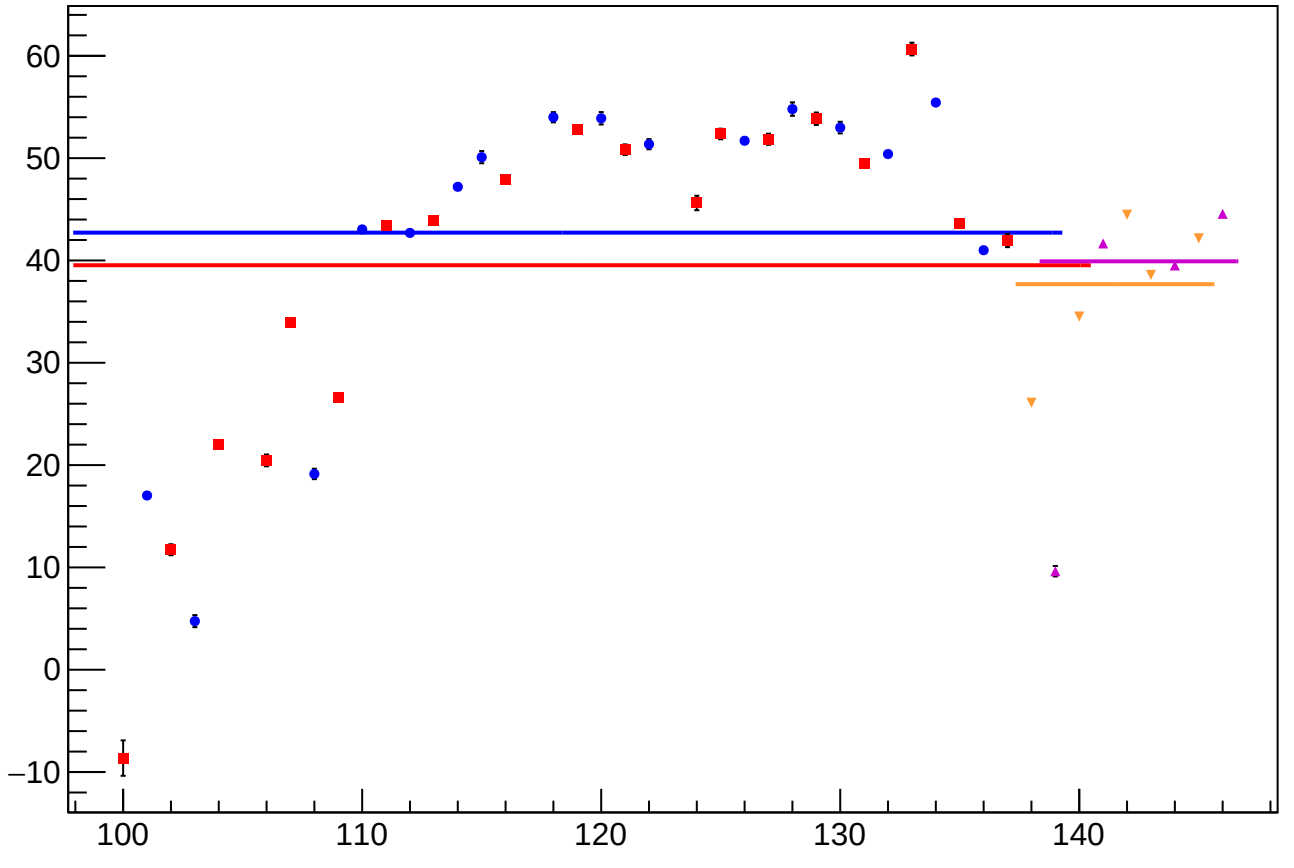
Left: -31.146+/-0.088 χ^2/NDF: 4305.0/8

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -36.917+/-0.065 χ^2/NDF:12651.4/19

Out: -34.075+/-0.056 χ^2/NDF:17998.2/23

All: -35.301+/-0.042 χ^2/NDF: 31748.8/43



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 37.678+/-0.105 χ^2/NDF:2713.5/4

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 39.916+/-0.120 χ^2/NDF:4017.4/3

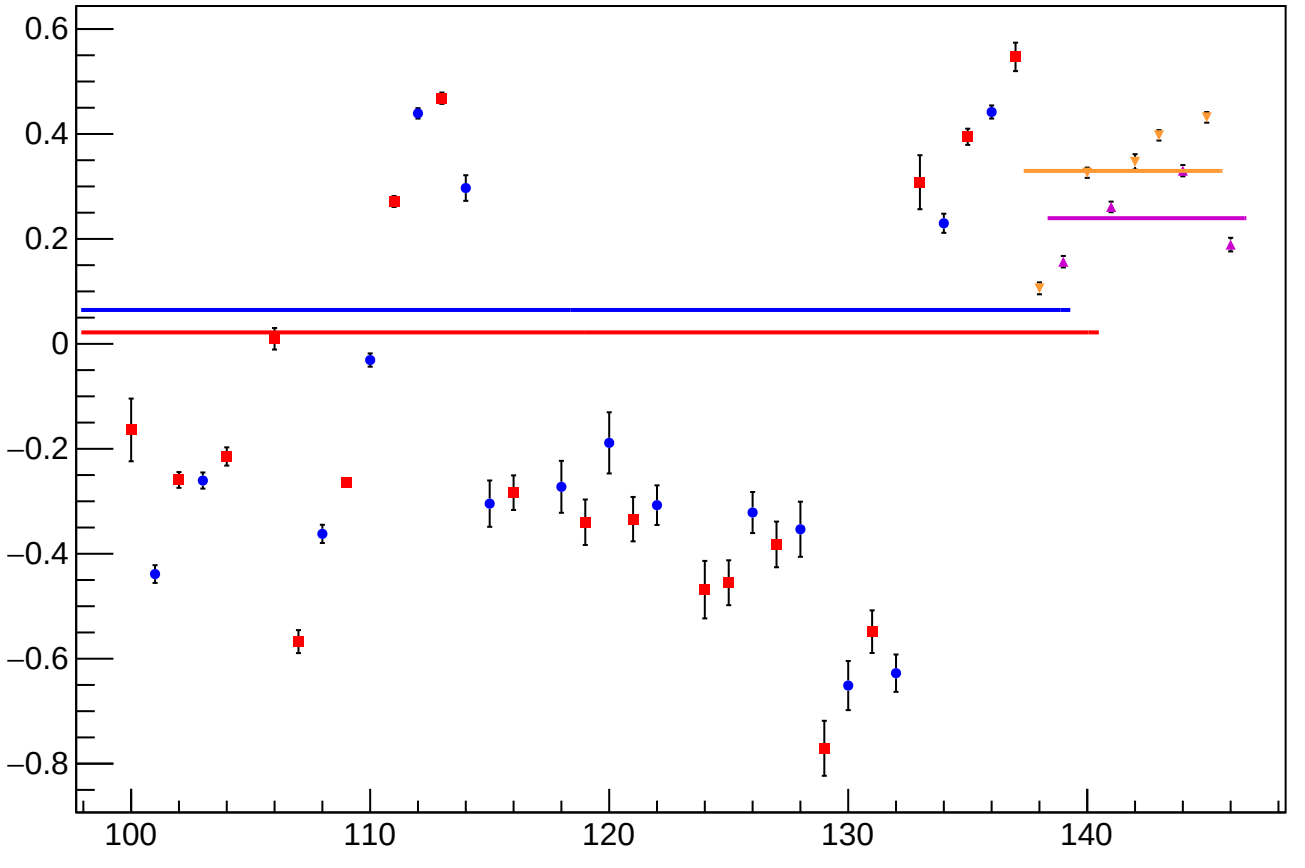
Left: 38.655+/-0.079 χ^2/NDF: 6928.5/8

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.776+/-0.069 χ^2/NDF:19147.3/19

Out: 38.873+/-0.063 χ^2/NDF:20892.1/23

All: 40.180+/-0.047 χ^2/NDF: 41003.8/43



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.330+/-0.005 χ^2/NDF:537.4/4

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.240+/-0.006 χ^2/NDF:148.2/3

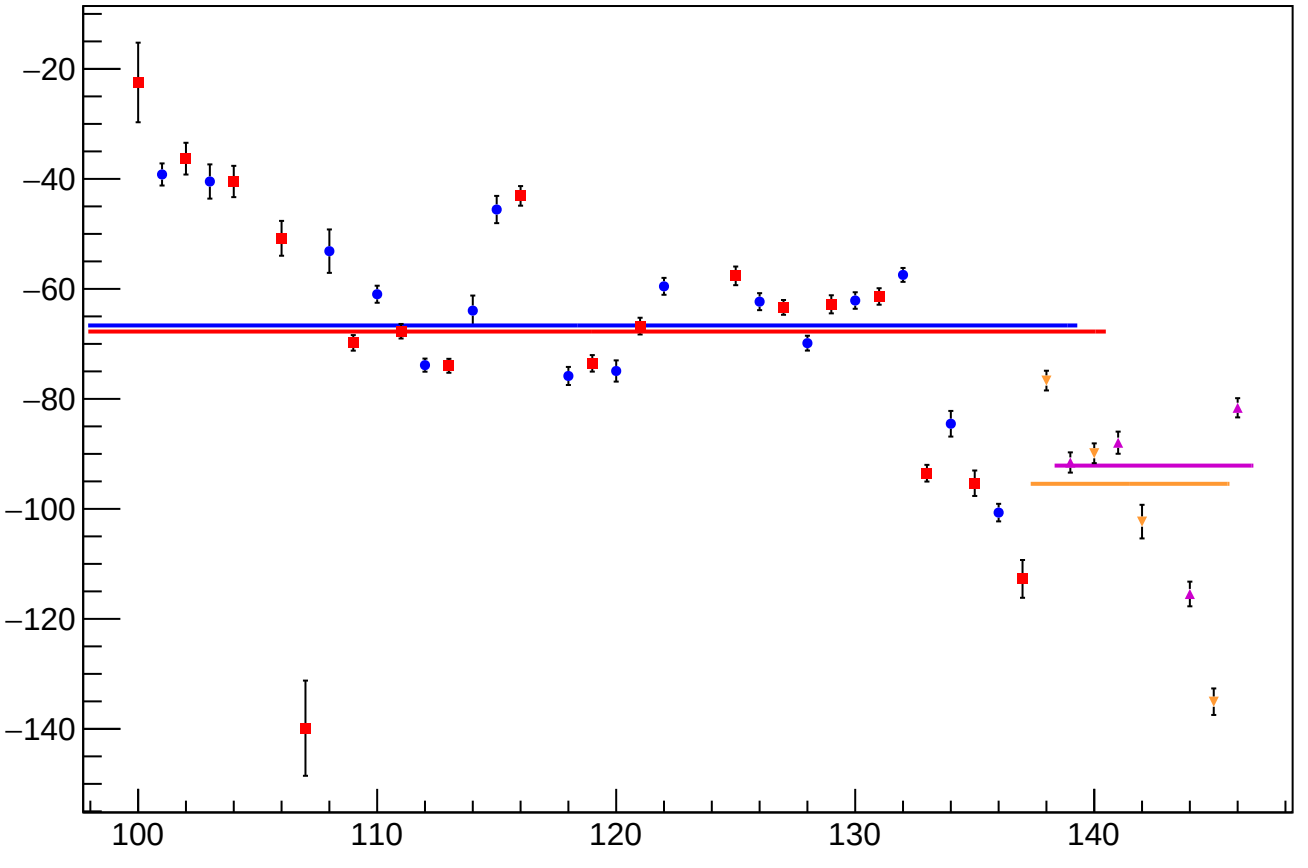
Left: 0.291+/-0.004 χ^2/NDF: 836.0/8

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.141+/-0.004 χ^2/NDF:6213.0/19

Out: 0.161+/-0.003 χ^2/NDF:9164.3/23

All: 0.152+/-0.002 χ^2/NDF: 15394.4/43



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -95.441+/-1.055 χ^2/NDF:394.1/3

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -92.129+/-0.967 χ^2/NDF:148.9/3

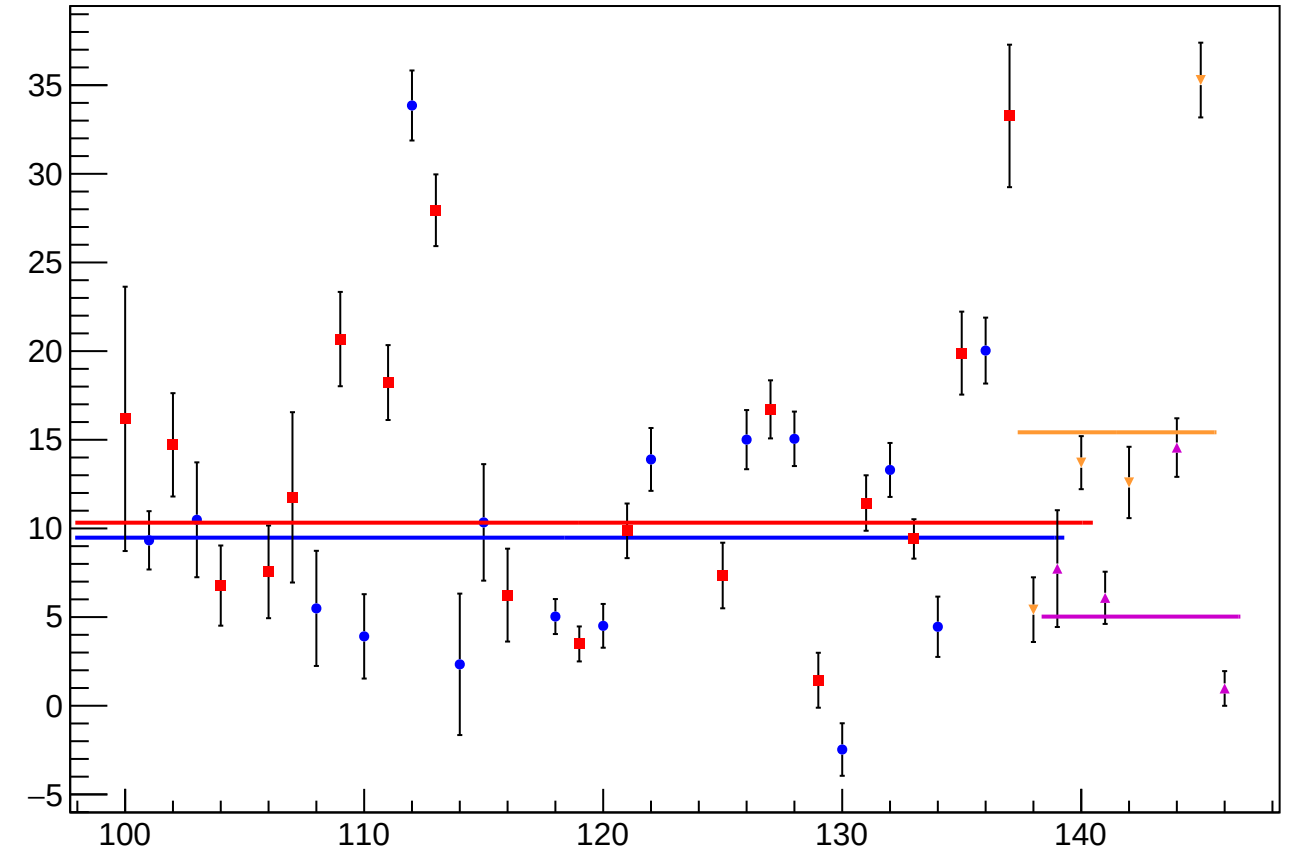
Left: -93.643+/-0.713 χ^2/NDF: 548.3/7

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -70.789+/-0.390 χ^2/NDF:1782.5/19

Out: -71.537+/-0.390 χ^2/NDF:2244.5/21

All: -71.163+/-0.276 χ^2/NDF: 4028.9/41



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 15.422+/-0.906 χ^2/NDF:122.2/3

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 5.028+/-0.713 χ^2/NDF:51.7/3

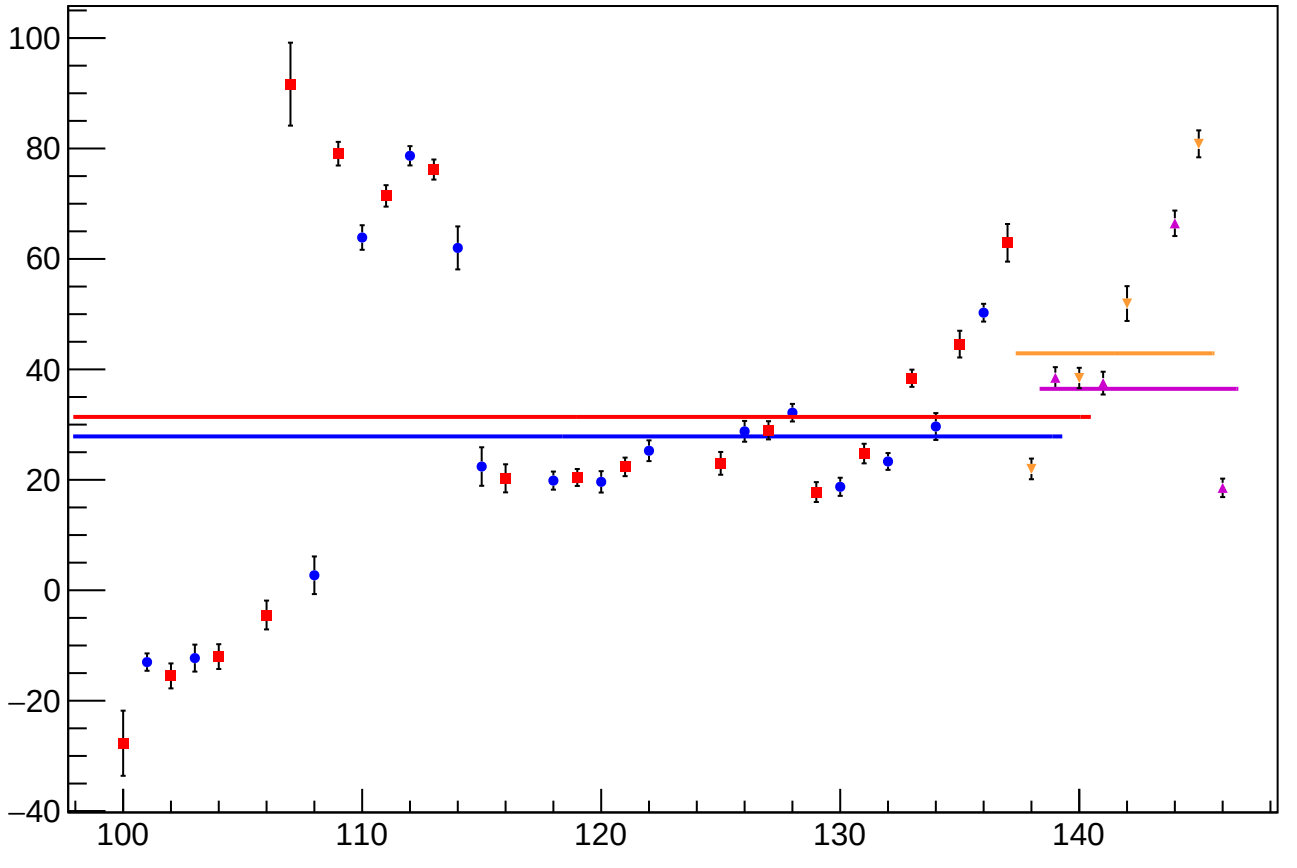
Left: 9.008+/-0.560 χ^2/NDF: 255.1/7

Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 8.301+/-0.367 χ^2/NDF:422.2/19

Out: 11.282+/-0.393 χ^2/NDF:411.3/21

All: 9.692+/-0.268 χ^2/NDF: 864.3/41



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 42.907+/-1.087 χ^2/NDF:380.8/3

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 36.480+/-0.975 χ^2/NDF:284.8/3

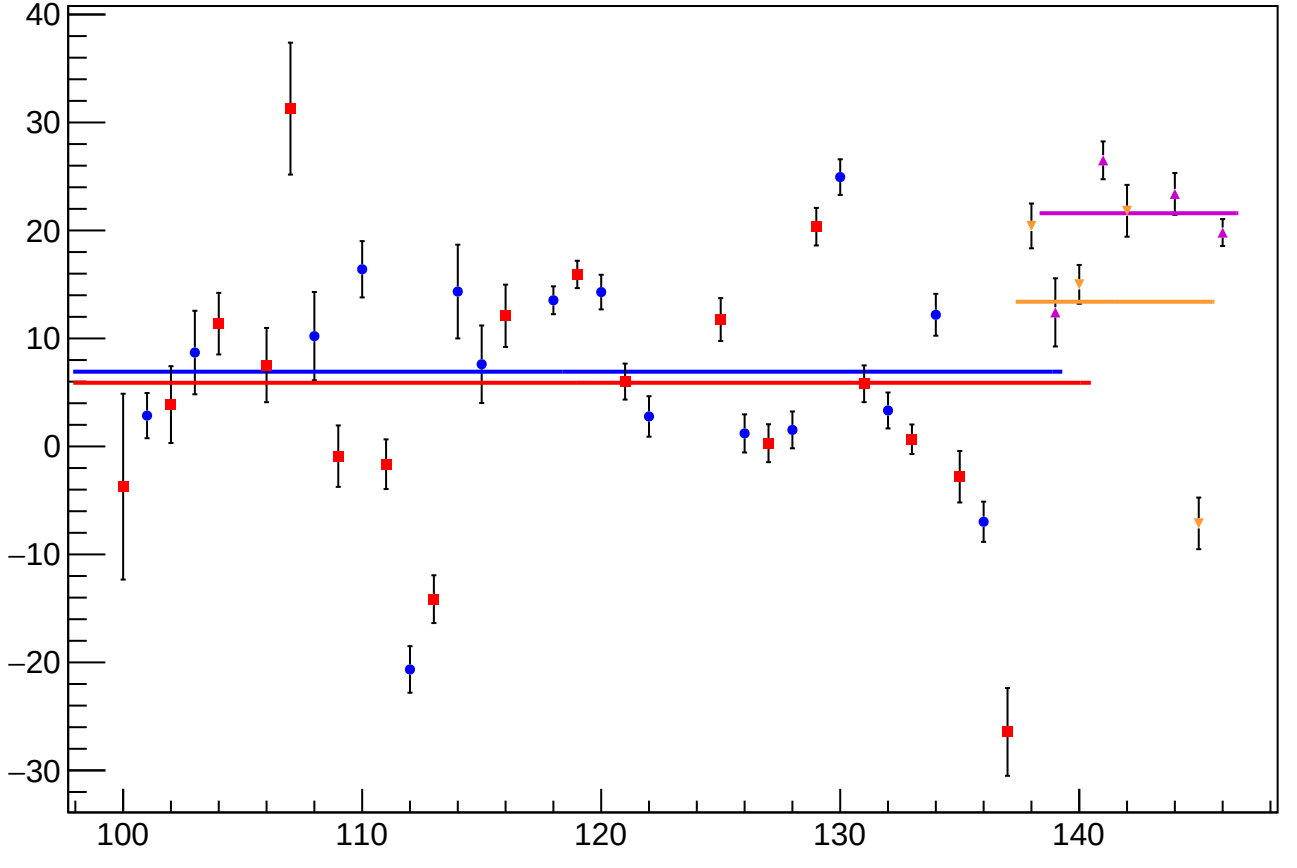
Left: 39.347+/-0.726 χ^2/NDF: 685.0/7

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 29.554+/-0.432 χ^2/NDF:2821.6/19

Out: 33.322+/-0.445 χ^2/NDF:3485.6/21

All: 31.385+/-0.310 χ^2/NDF: 6344.0/41



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 13.399+/-1.059 χ^2/NDF:98.3/3

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 21.596+/-0.865 χ^2/NDF:19.2/3

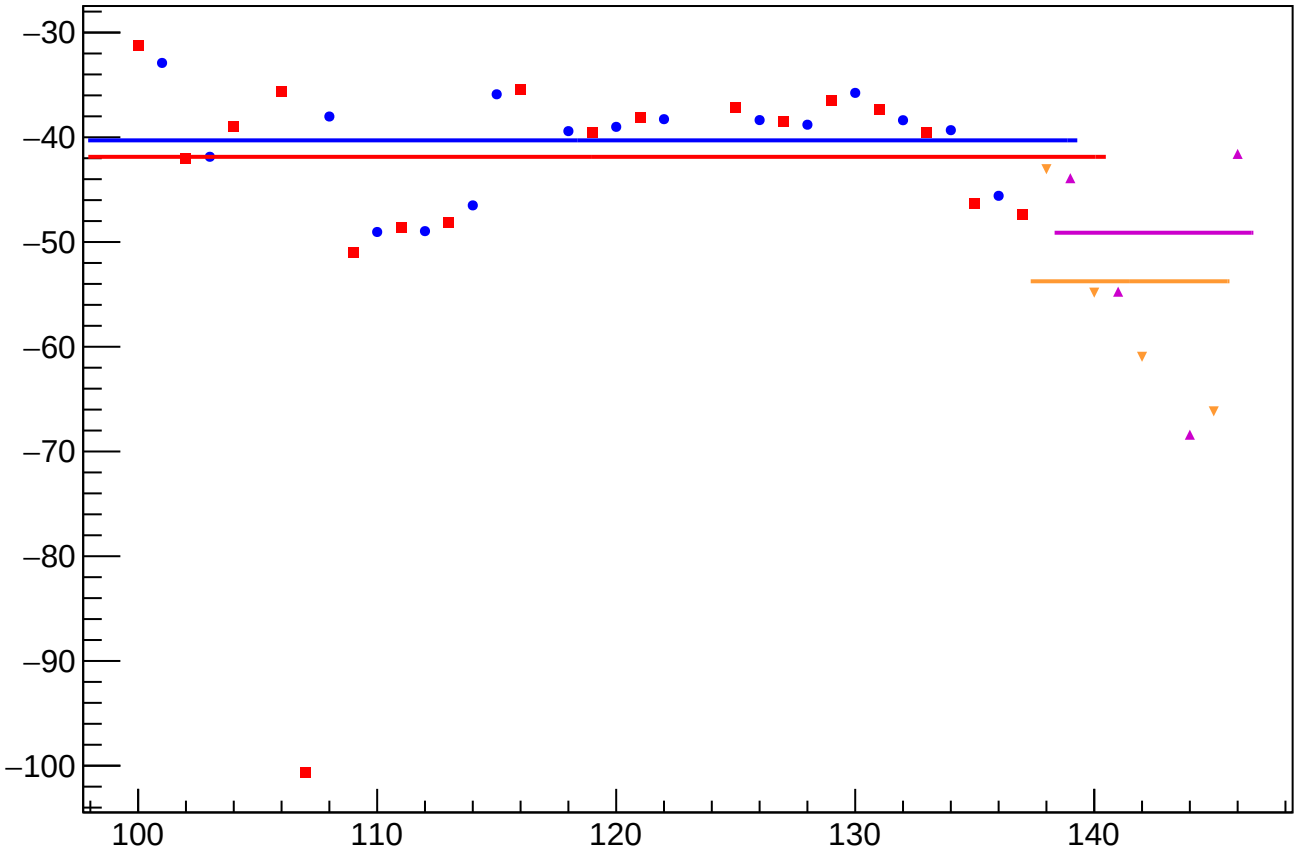
Left: 18.316+/-0.670 χ^2/NDF: 153.5/7

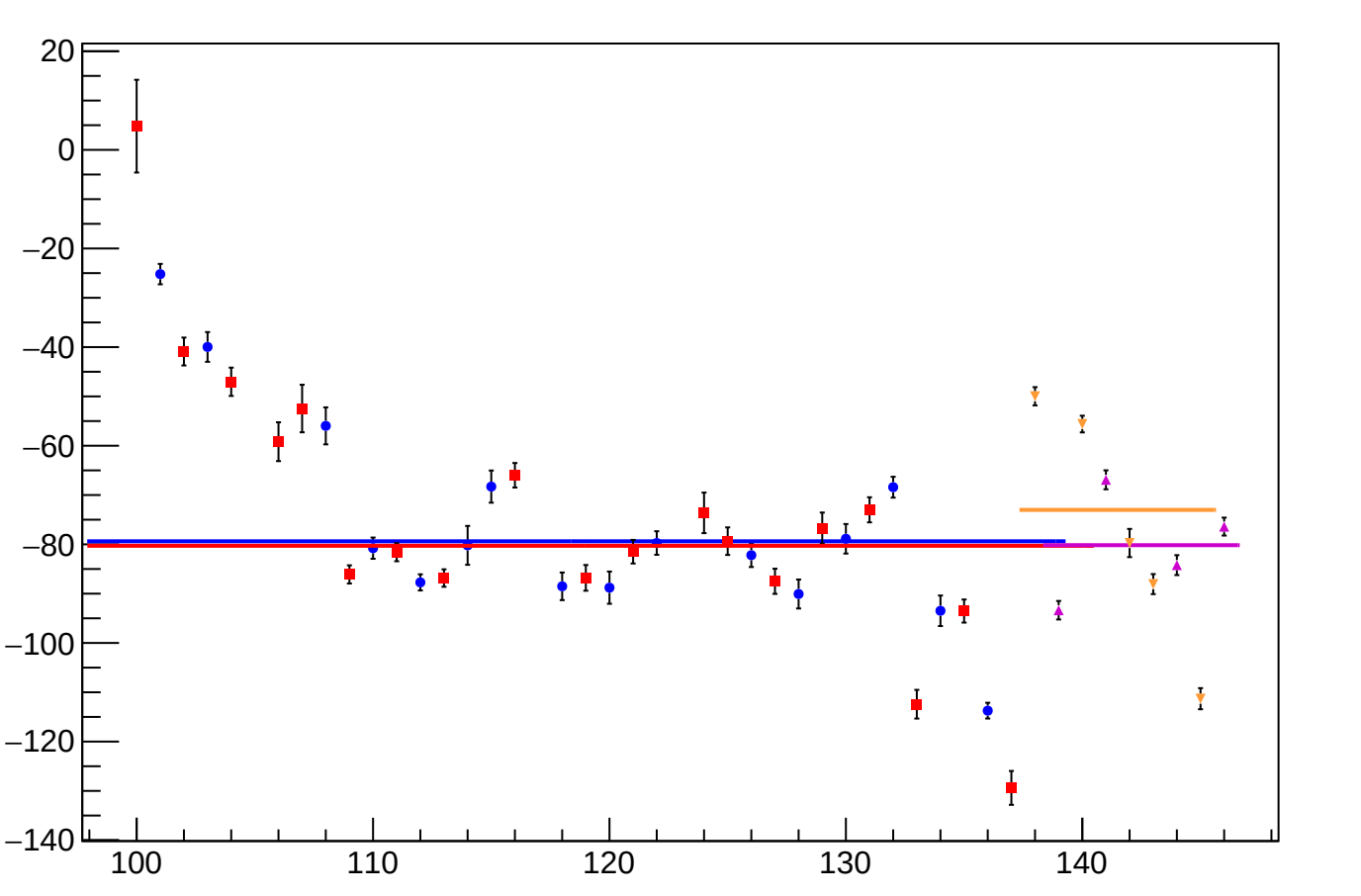
Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 10.546+/-0.430 χ^2/NDF:680.1/19

Out: 7.271+/-0.453 χ^2/NDF:507.0/21

All: 8.995+/-0.312 χ^2/NDF: 1214.6/41


reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
110
120
130
140
Right In: -40.293+/-0.031 χ²/NDF: 20663.5/15
Left Out: -53.750+/-0.045 χ²/NDF:40568.0/3
Right Out: -41.867+/-0.032 χ²/NDF: 58734.8/17
Left In: -49.113+/-0.039 χ²/NDF:55800.9/3
Left: -51.132+/-0.030 χ²/NDF: 102380.3/7
Right: -41.063+/-0.022 χ²/NDF: 80626.6/33
In: -43.713+/-0.025 χ²/NDF:107057.4/19
Out: -45.884+/-0.026 χ²/NDF:145608.7/21
All: -44.732+/-0.018 χ²/NDF: 256332.1/41



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -73.012+/-0.903 χ^2/NDF:642.2/4

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -80.172+/-0.953 χ^2/NDF:105.1/3

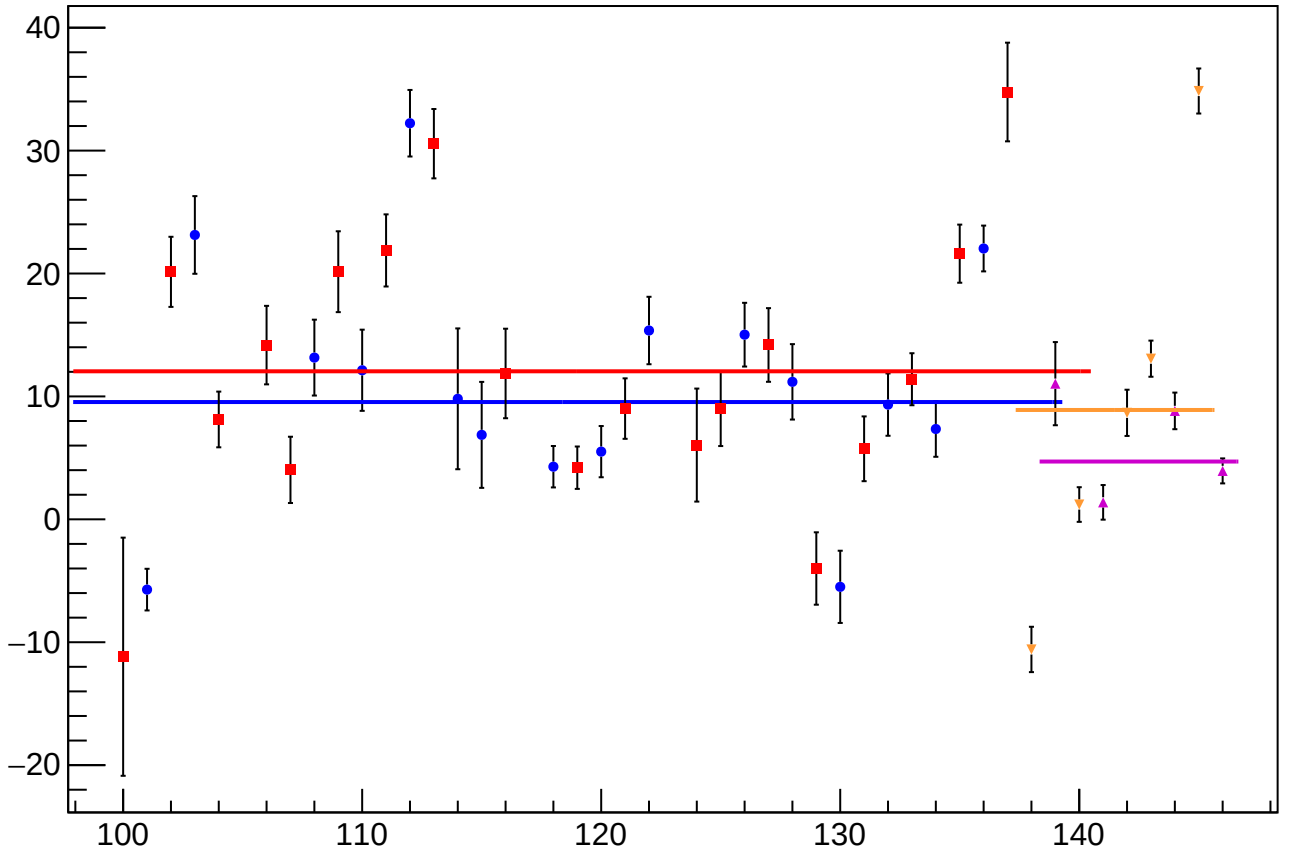
Left: -76.400+/-0.656 χ^2/NDF: 777.0/8

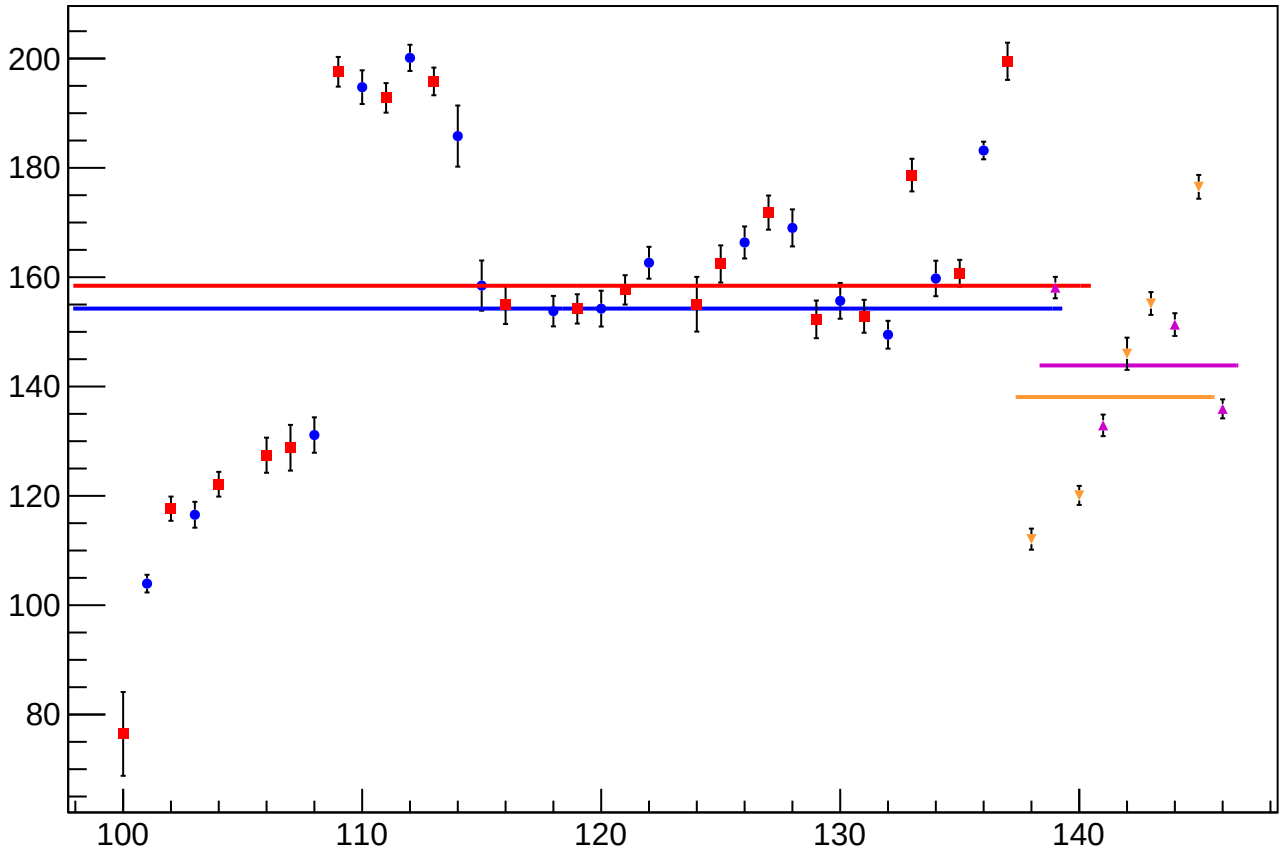
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -79.612+/-0.514 χ^2/NDF:1581.4/19

Out: -78.044+/-0.502 χ^2/NDF:1601.8/23

All: -78.809+/-0.359 χ^2/NDF: 3188.0/43


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 8.897+/-0.737 χ²/NDF:350.1/4
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 4.702+/-0.705 χ²/NDF:17.3/3
Left: 6.707+/-0.510 χ²/NDF: 384.3/8
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 7.427+/-0.466 χ²/NDF:310.9/19
Out: 10.699+/-0.482 χ²/NDF:556.4/23
All: 9.009+/-0.335 χ²/NDF: 891.1/43



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 138.082+/-0.930 χ^2/NDF:675.2/4

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 143.856+/-0.963 χ^2/NDF:117.5/3

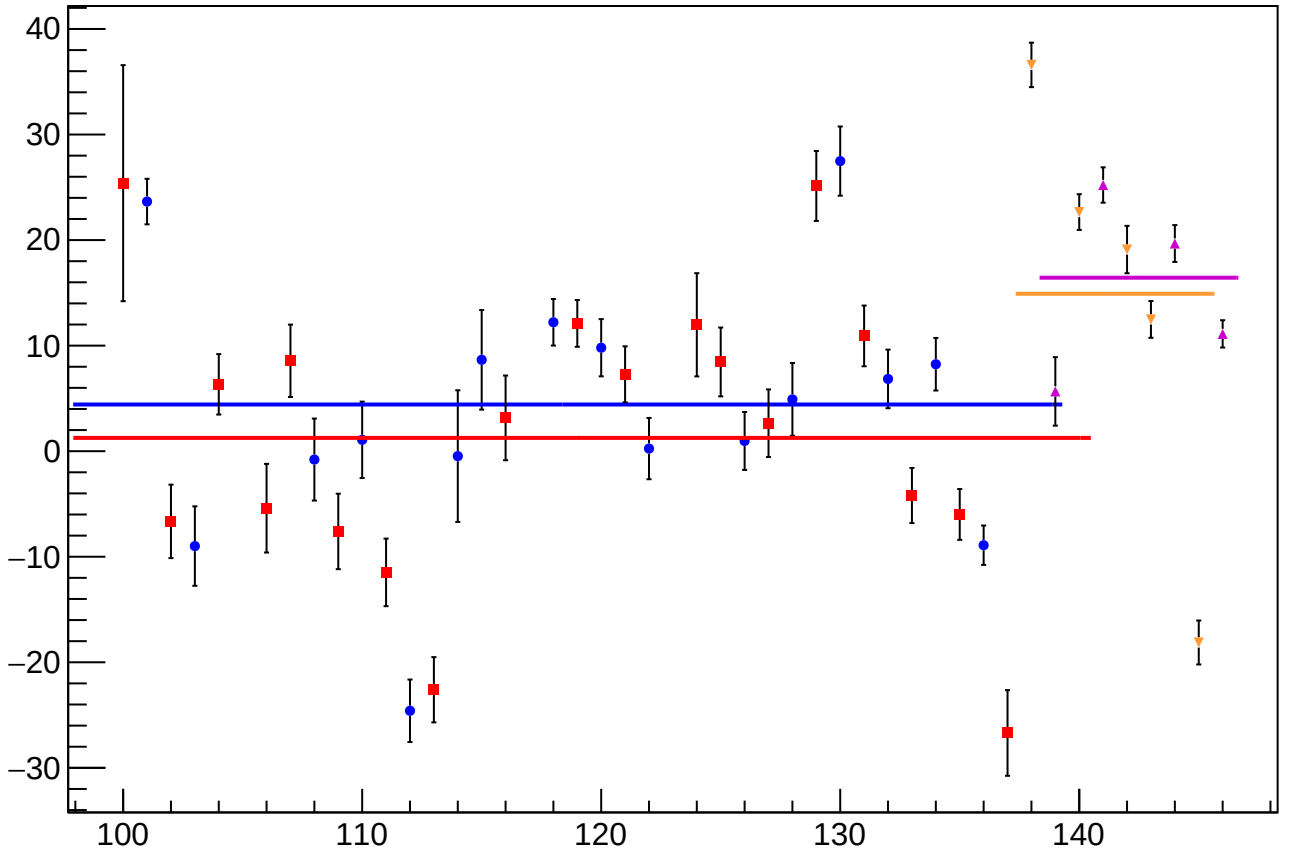
Left: 140.871+/-0.669 χ^2/NDF: 811.3/8

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 150.921+/-0.545 χ^2/NDF:2410.5/19

Out: 151.314+/-0.550 χ^2/NDF:2650.5/23

All: 151.116+/-0.387 χ^2/NDF: 5061.3/43



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 14.913+/-0.866 χ^2/NDF:384.1/4

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 16.436+/-0.853 χ^2/NDF:58.9/3

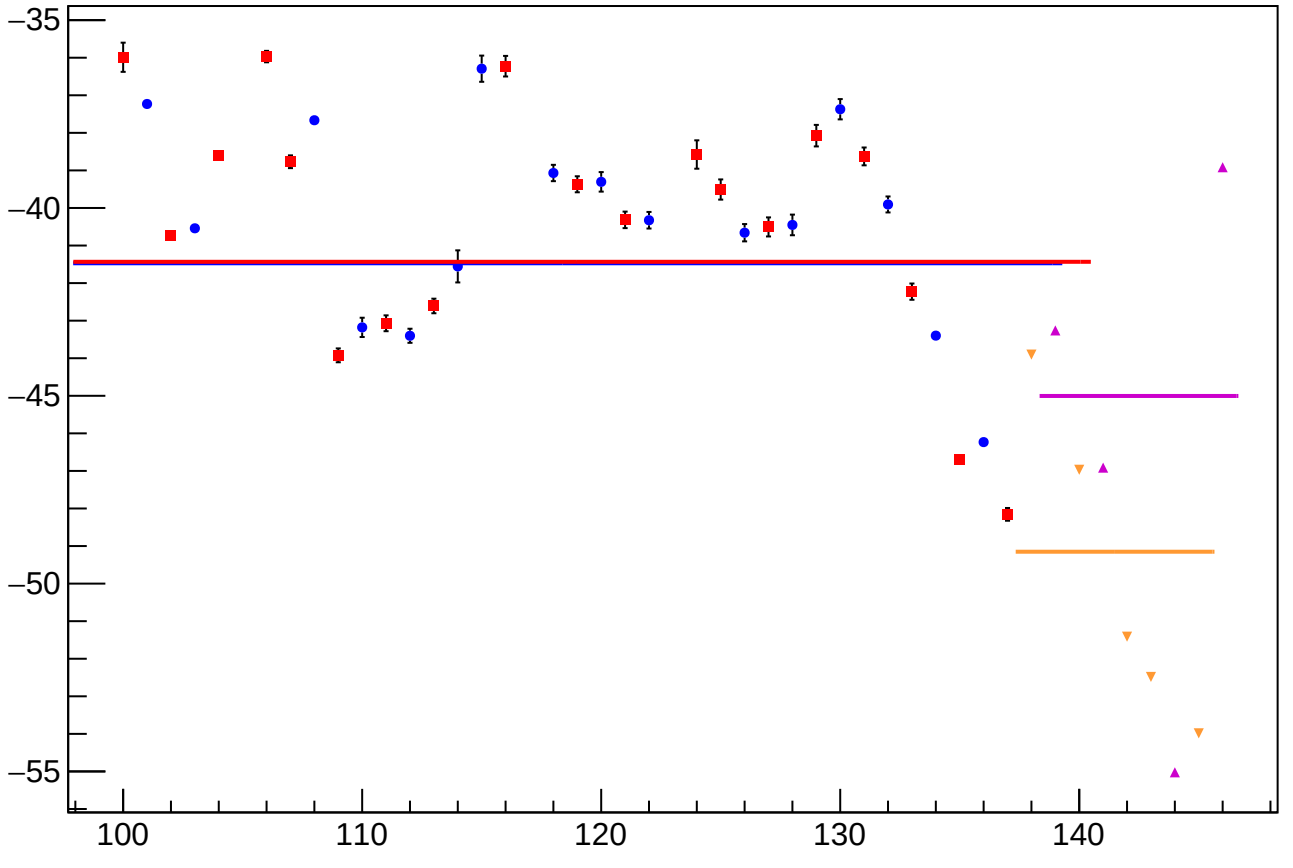
Left: 15.686+/-0.607 χ^2/NDF: 444.5/8

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 9.375+/-0.547 χ^2/NDF:491.6/19

Out: 6.948+/-0.559 χ^2/NDF:794.0/23

All: 8.187+/-0.391 χ^2/NDF: 1295.2/43



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -49.151+/-0.039 χ^2/NDF:10407.0/4

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -45.004+/-0.039 χ^2/NDF:19380.1/3

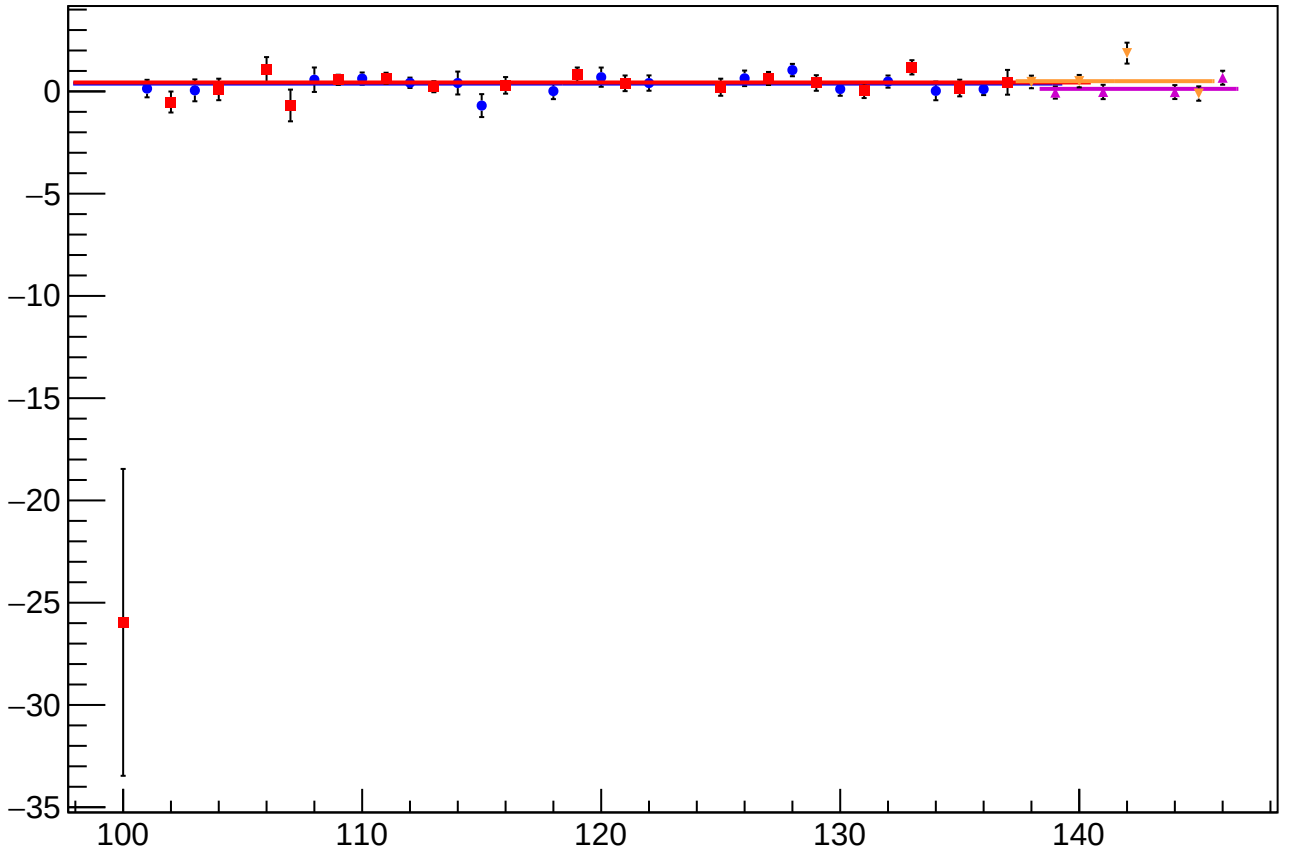
Left: -47.107+/-0.027 χ^2/NDF: 35471.2/8

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -43.190+/-0.027 χ^2/NDF:31471.7/19

Out: -45.380+/-0.028 χ^2/NDF:38146.7/23

All: -44.273+/-0.019 χ^2/NDF: 72798.2/43



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.500+/-0.174 χ^2/NDF:10.2/3

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.124+/-0.165 χ^2/NDF:3.3/3

Left: 0.302+/-0.120 χ^2/NDF: 15.9/7

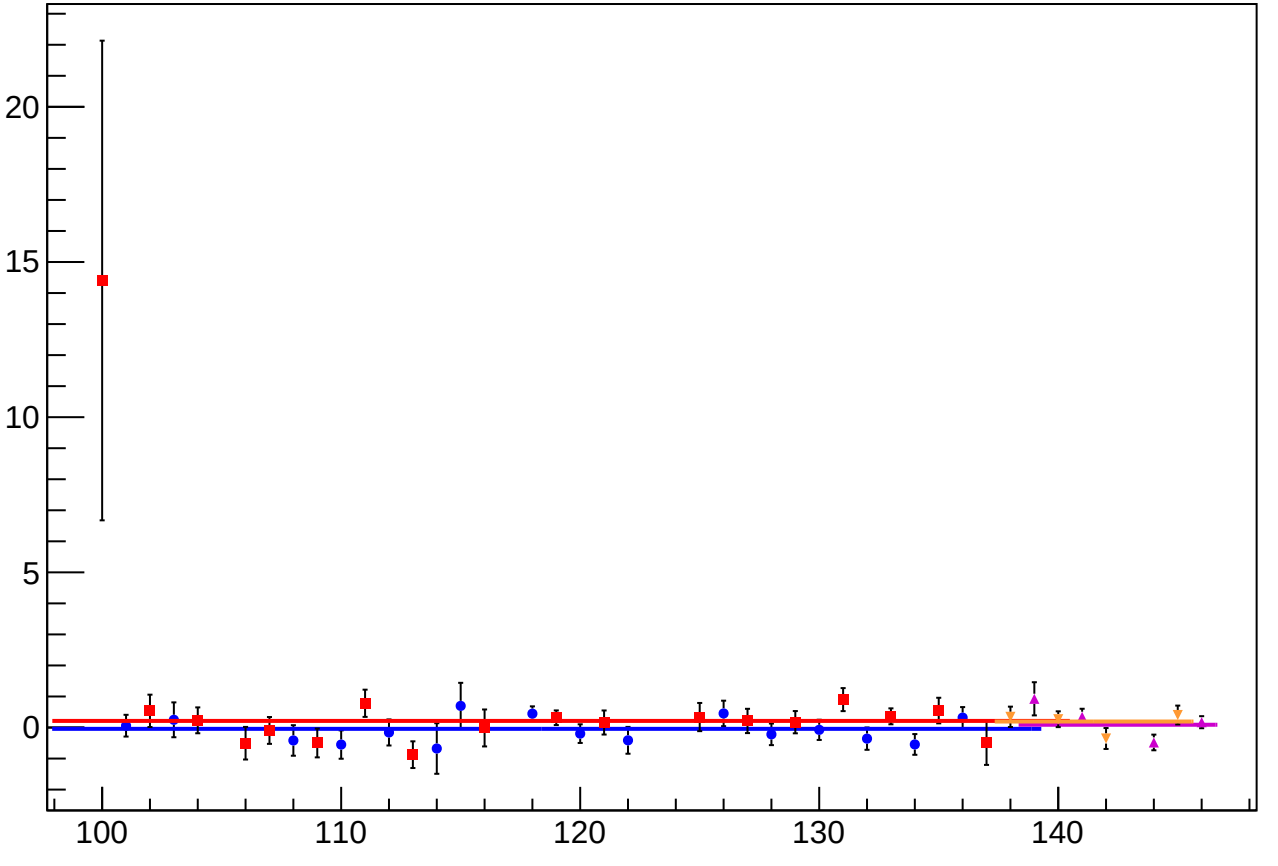
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.321+/-0.080 χ^2/NDF:19.2/19

Out: 0.450+/-0.080 χ^2/NDF:39.3/21

All: 0.386+/-0.057 χ^2/NDF: 59.7/41

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.193+/-0.150 χ^2/NDF:3.4/3

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.089+/-0.128 χ^2/NDF:8.7/3

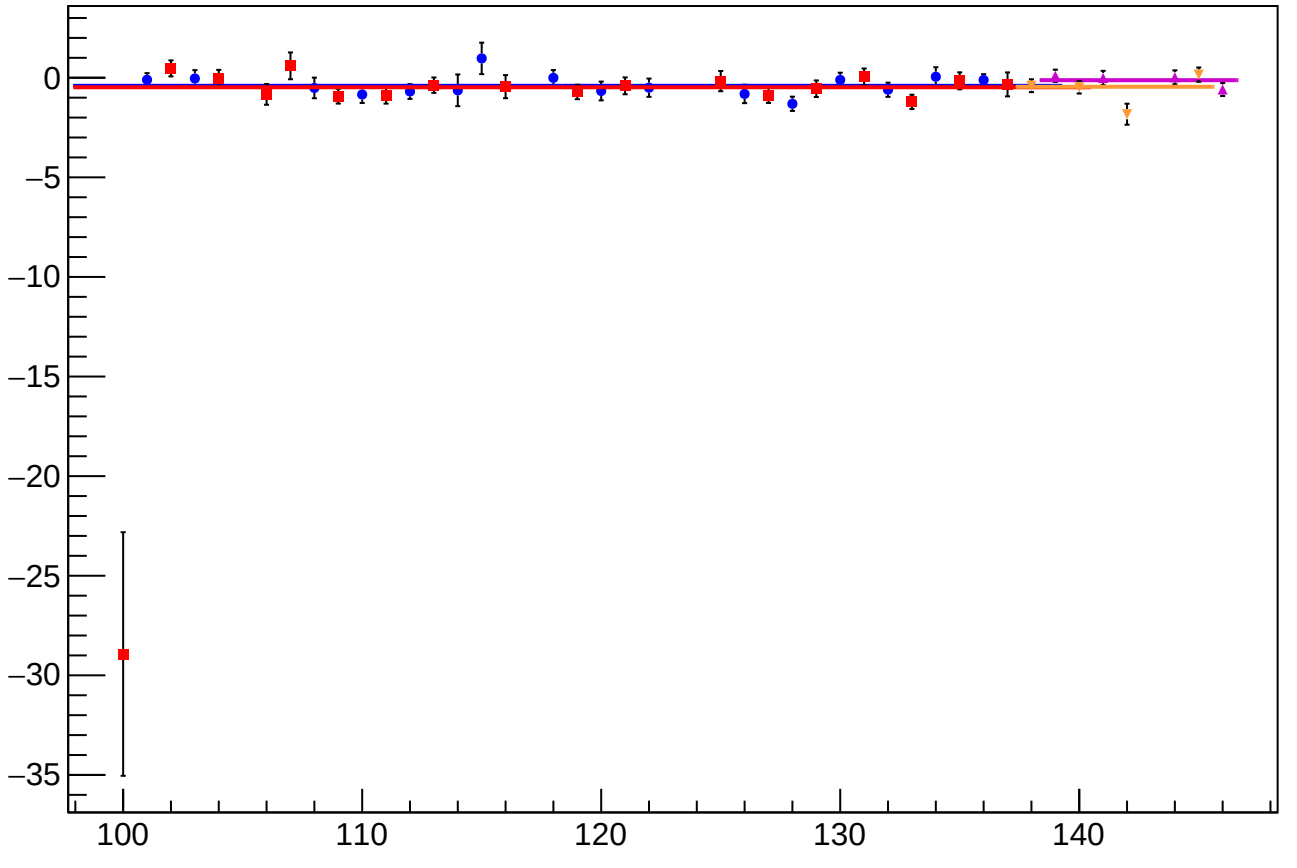
Left: 0.133+/-0.098 χ^2/NDF: 12.4/7

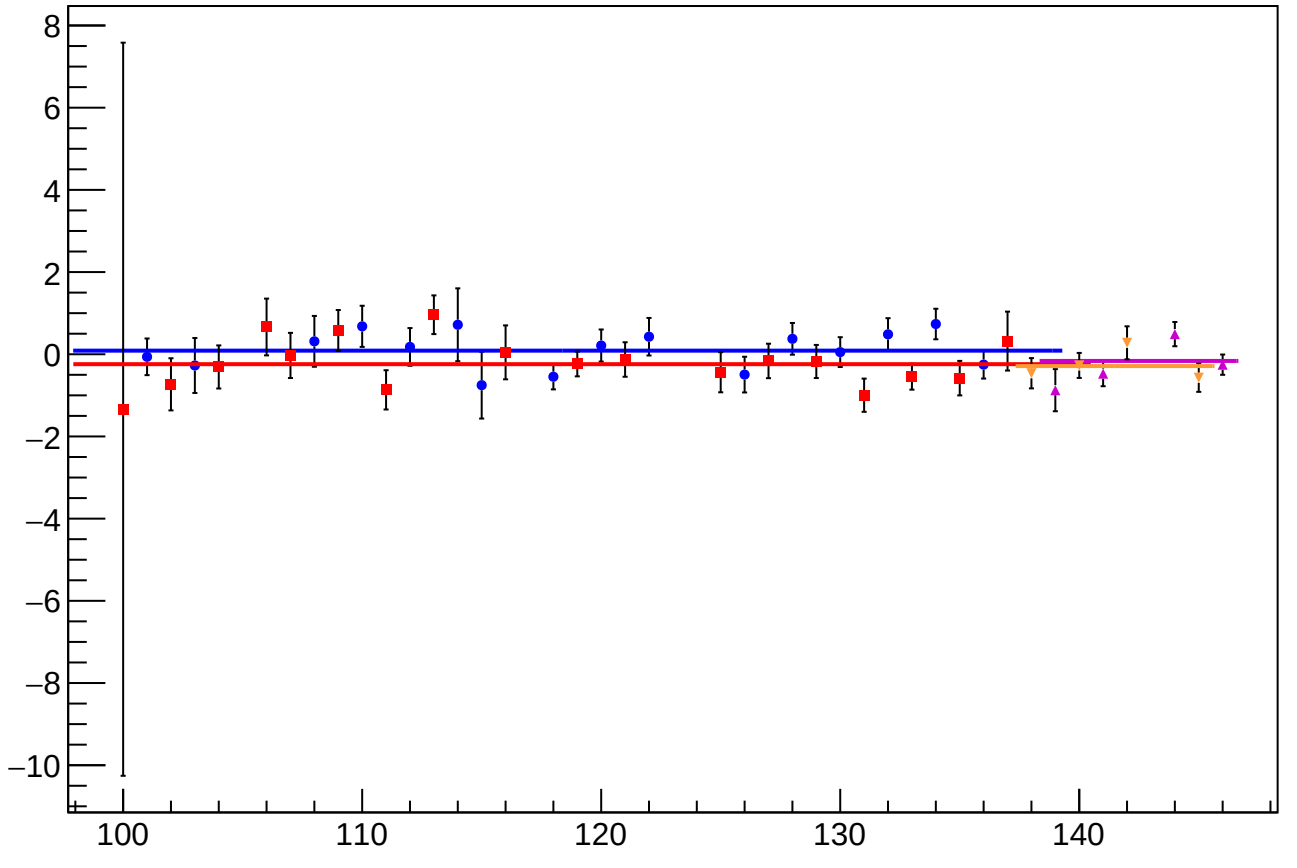
Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.003+/-0.076 χ^2/NDF:24.4/19

Out: 0.207+/-0.080 χ^2/NDF:25.8/21

All: 0.100+/-0.055 χ^2/NDF: 53.7/41


reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
Right In: -0.406+/-0.103 χ²/NDF: 17.8/15
Left Out: -0.453+/-0.179 χ²/NDF:9.7/3
Right Out: -0.478+/-0.104 χ²/NDF: 42.3/17
Left In: -0.123+/-0.167 χ²/NDF:2.8/3
Left: -0.277+/-0.122 χ²/NDF: 14.4/7
Right: -0.441+/-0.073 χ²/NDF: 60.3/33
In: -0.328+/-0.088 χ²/NDF:22.6/19
Out: -0.472+/-0.090 χ²/NDF:52.0/21
All: -0.398+/-0.063 χ²/NDF: 76.0/41



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.288+/-0.175 χ^2/NDF:2.9/3

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.163+/-0.154 χ^2/NDF:8.0/3

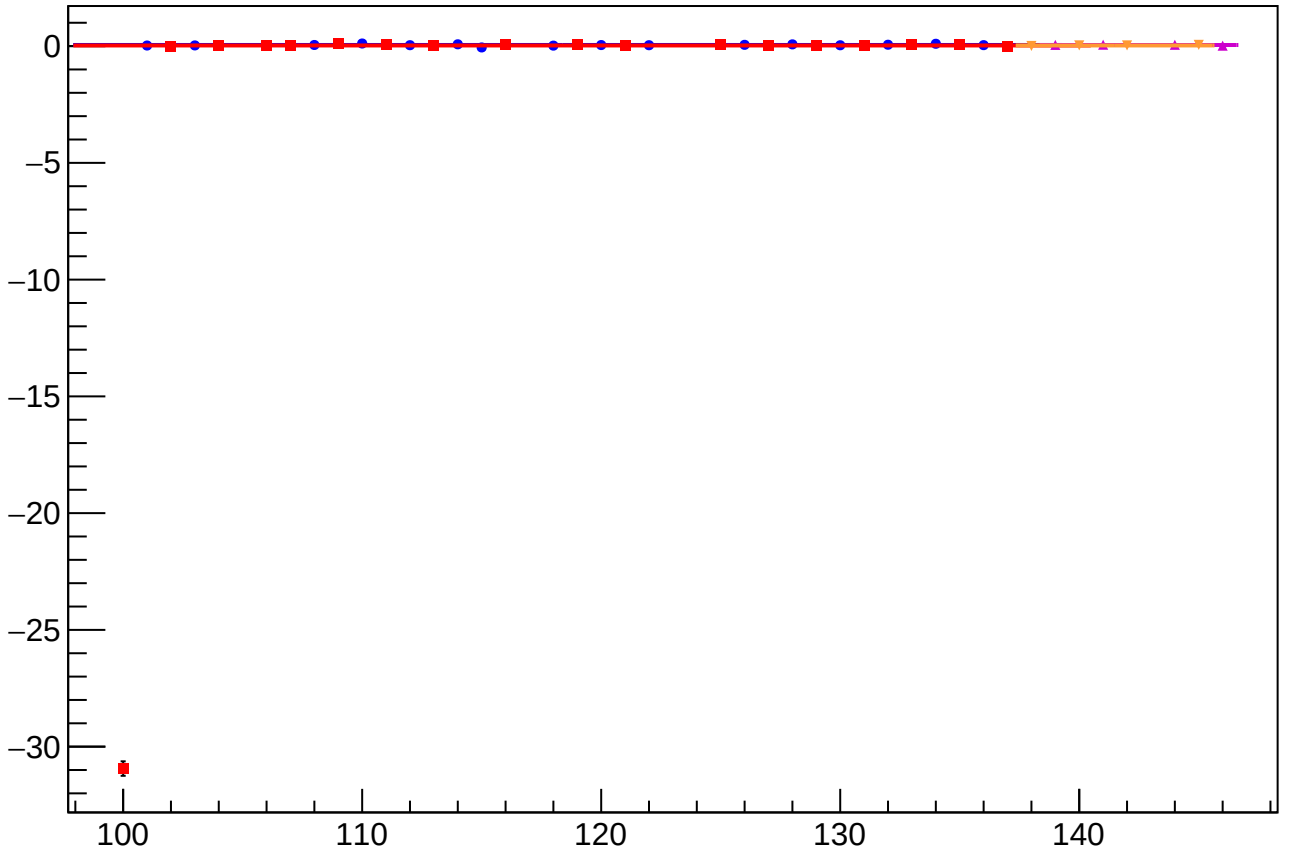
Left: -0.217+/-0.115 χ^2/NDF: 11.2/7

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: 0.005+/-0.089 χ^2/NDF:25.6/19

Out: -0.254+/-0.093 χ^2/NDF:22.6/21

All: -0.119+/-0.064 χ^2/NDF: 52.3/41



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.029+/-0.007 χ^2/NDF:6.2/3

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.047+/-0.007 χ^2/NDF:5.5/3

Left: 0.039+/-0.005 χ^2/NDF: 15.2/7

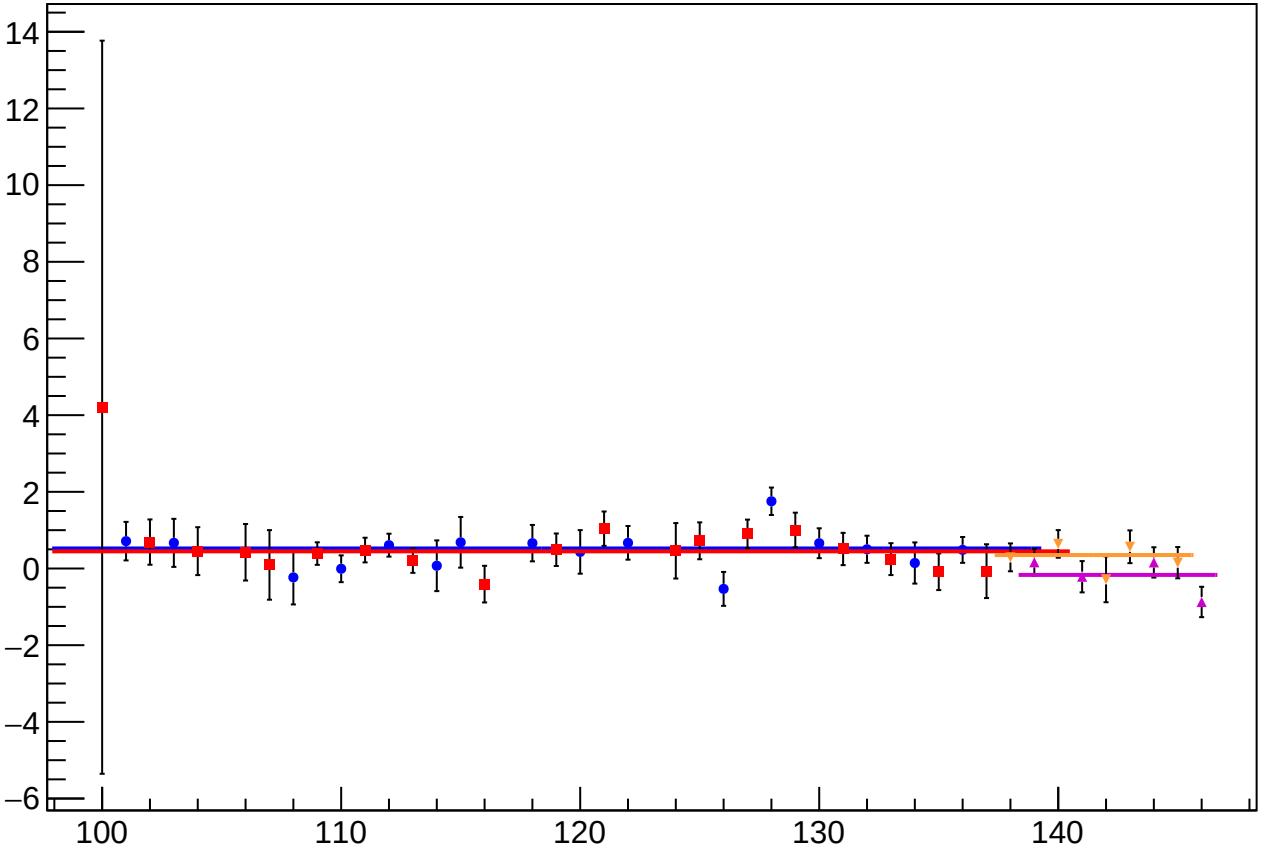
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.048+/-0.005 χ^2/NDF:24.7/19

Out: 0.028+/-0.005 χ^2/NDF:10027.1/21

All: 0.039+/-0.003 χ^2/NDF: 10060.7/41

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.351+/-0.184 χ^2/NDF:2.3/4

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.167+/-0.193 χ^2/NDF:4.8/3

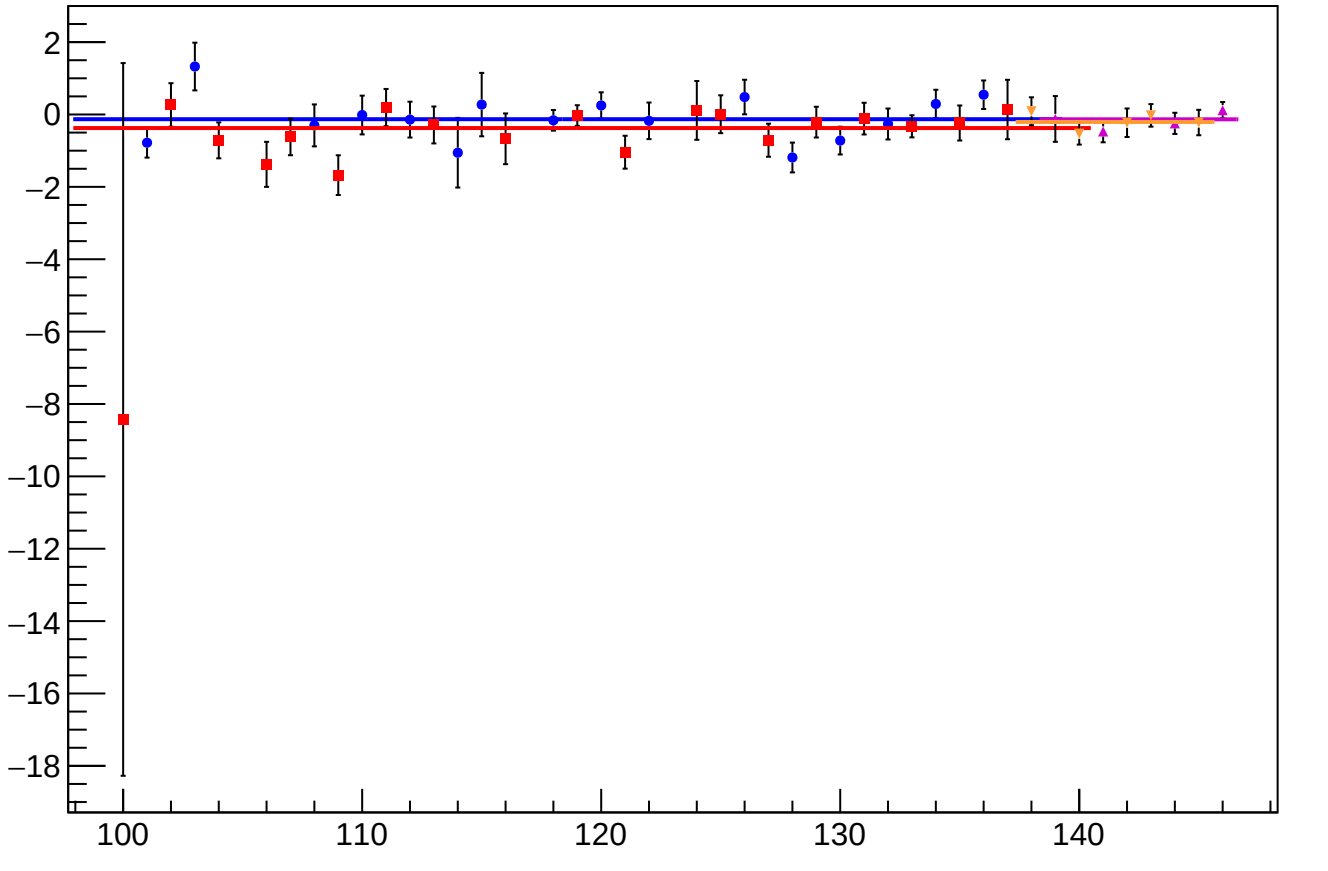
Left: 0.104+/-0.133 χ^2/NDF: 10.8/8

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.356+/-0.095 χ^2/NDF:37.1/19

Out: 0.424+/-0.091 χ^2/NDF:13.9/23

All: 0.391+/-0.066 χ^2/NDF: 51.3/43



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.206+/-0.153 χ^2/NDF:2.1/4

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.133+/-0.149 χ^2/NDF:2.7/3

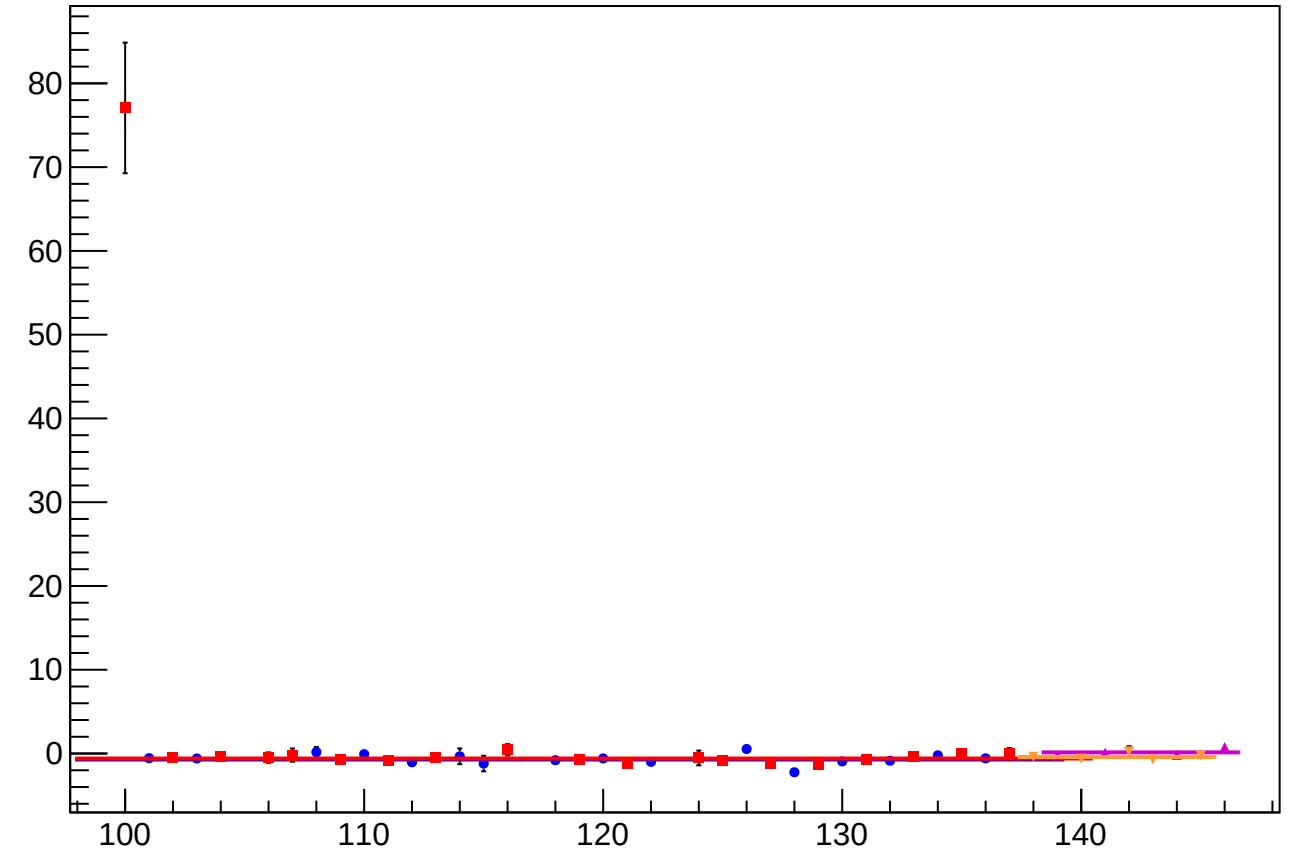
Left: -0.168+/-0.107 χ^2/NDF: 4.9/8

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.131+/-0.089 χ^2/NDF:27.2/19

Out: -0.316+/-0.090 χ^2/NDF:21.1/23

All: -0.223+/-0.063 χ^2/NDF: 50.4/43



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.421+/-0.190 χ^2/NDF:2.1/4

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.135+/-0.195 χ^2/NDF:4.2/3

Left: -0.151+/-0.136 χ^2/NDF: 10.5/8

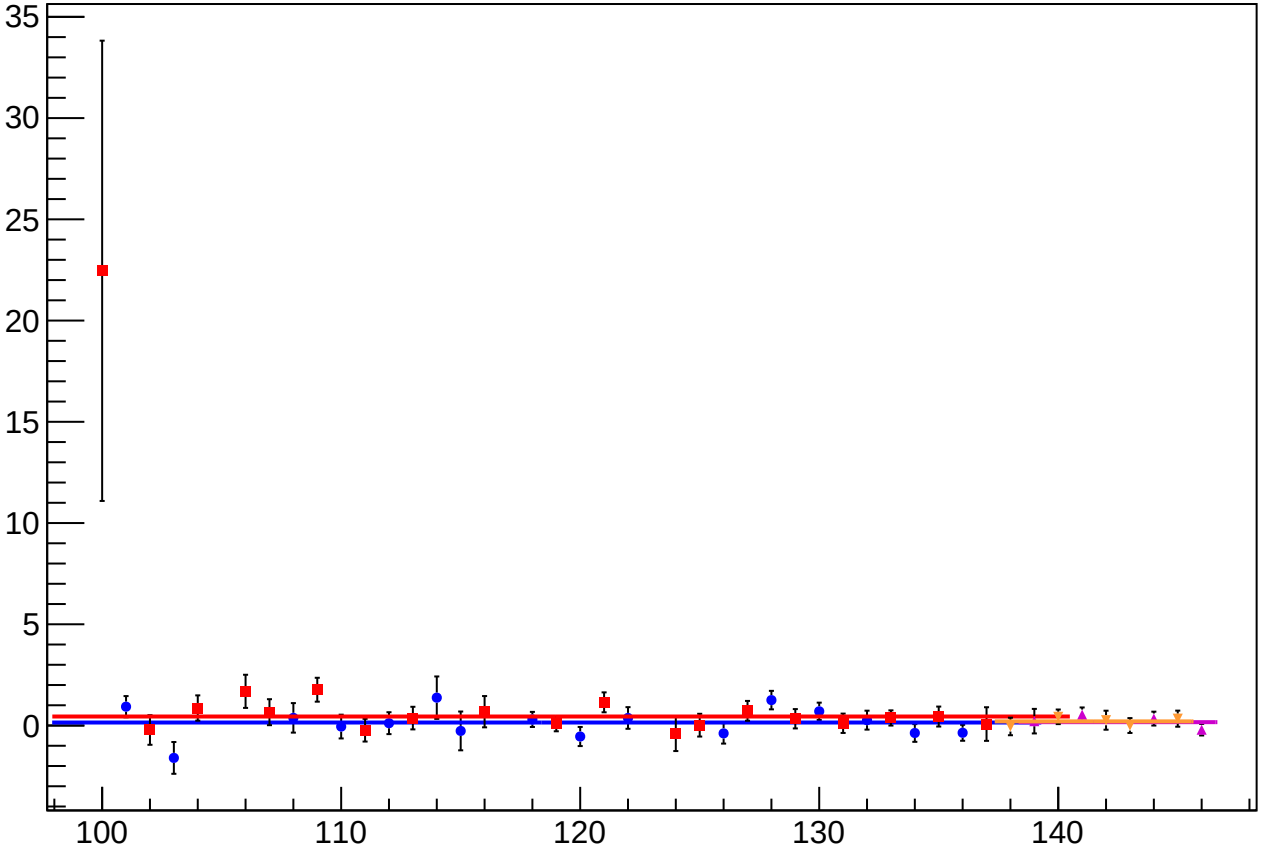
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.476+/-0.103 χ^2/NDF:42.7/19

Out: -0.546+/-0.102 χ^2/NDF:113.7/23

All: -0.511+/-0.073 χ^2/NDF: 156.6/43

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.204+/-0.179 χ^2/NDF:1.2/4

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.166+/-0.178 χ^2/NDF:3.1/3

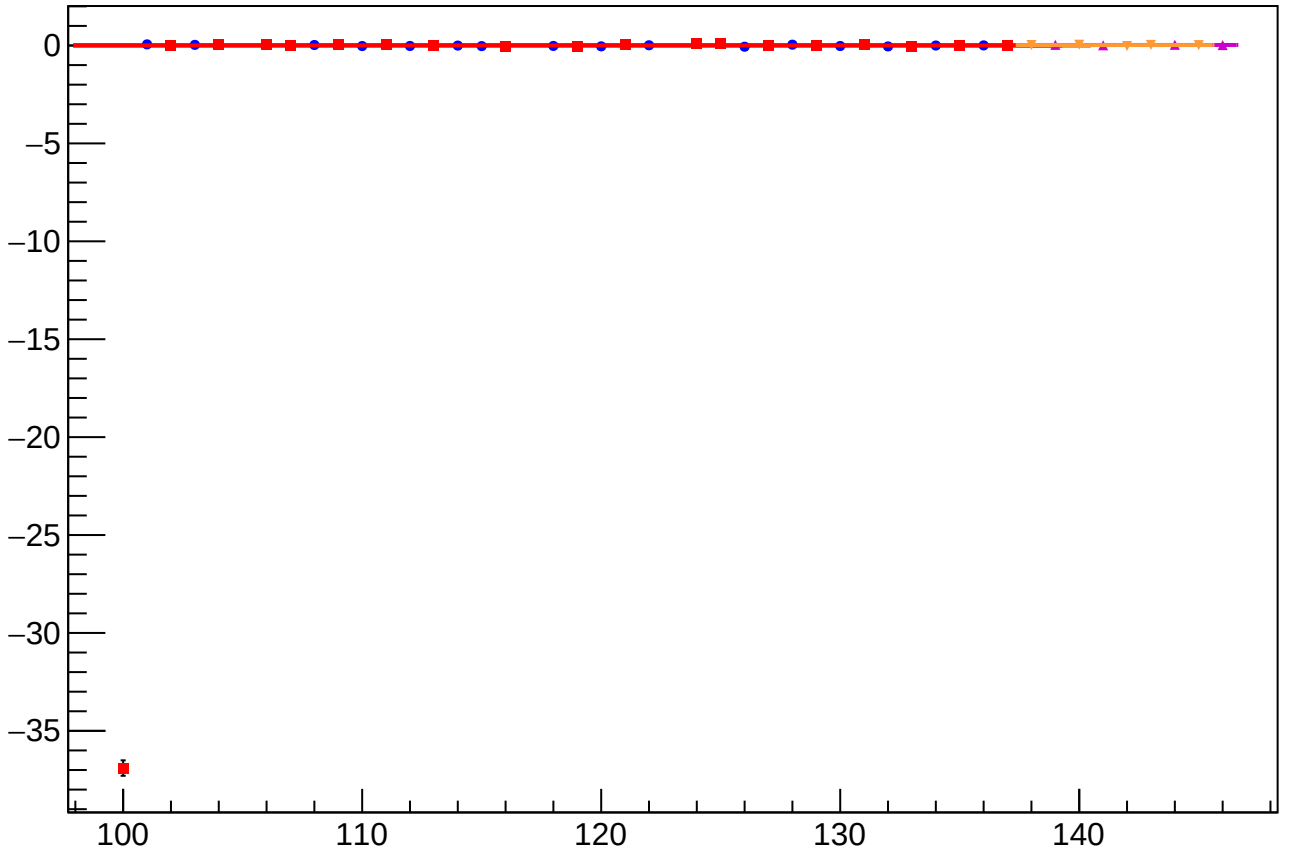
Left: 0.185+/-0.126 χ^2/NDF: 4.2/8

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.154+/-0.104 χ^2/NDF:26.3/19

Out: 0.363+/-0.104 χ^2/NDF:22.1/23

All: 0.258+/-0.074 χ^2/NDF: 50.4/43



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.022+/-0.008 χ^2/NDF:5.3/4

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.027+/-0.008 χ^2/NDF:1.4/3

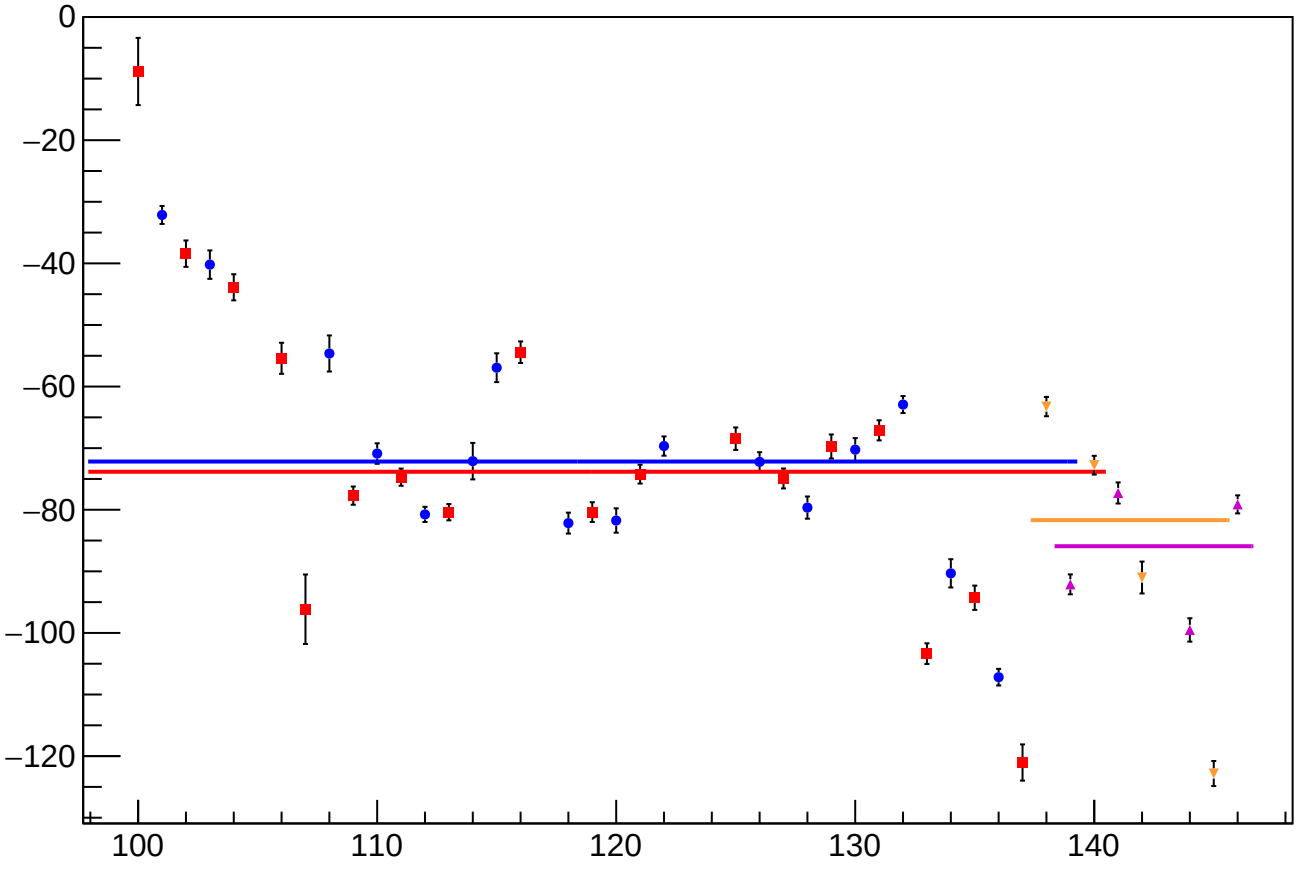
Left: 0.024+/-0.006 χ^2/NDF: 6.9/8

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.016+/-0.005 χ^2/NDF:22.7/19

Out: 0.012+/-0.005 χ^2/NDF:8762.0/23

All: 0.014+/-0.004 χ^2/NDF: 8785.0/43



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -81.688+/-0.901 χ^2/NDF:595.3/3

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -85.923+/-0.826 χ^2/NDF:112.7/3

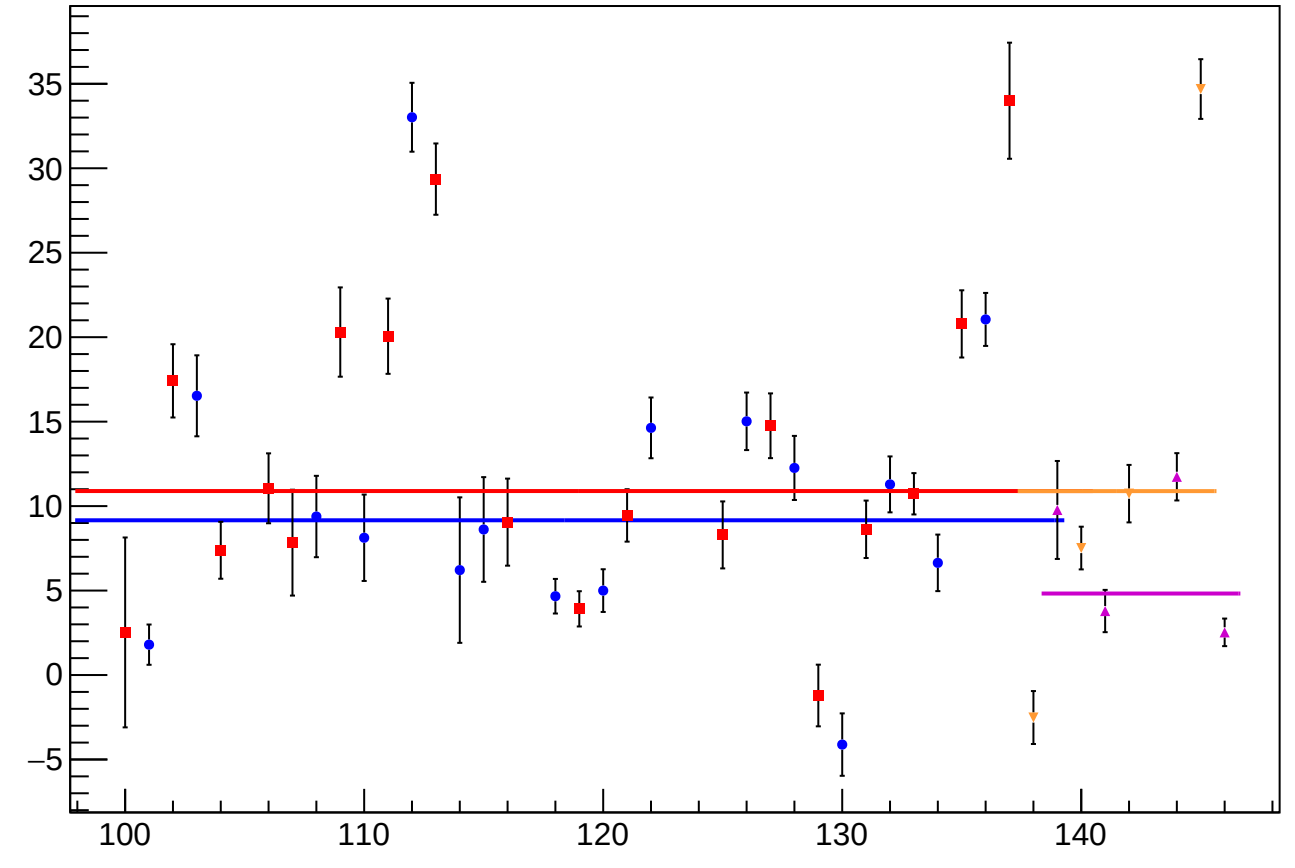
Left: -83.990+/-0.609 χ^2/NDF: 720.0/7

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -75.126+/-0.383 χ^2/NDF:2266.3/19

Out: -75.290+/-0.389 χ^2/NDF:2214.8/21

All: -75.207+/-0.273 χ^2/NDF: 4481.2/41



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 10.887+/-0.767 χ^2/NDF:261.6/3

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 4.825+/-0.601 χ^2/NDF:35.9/3

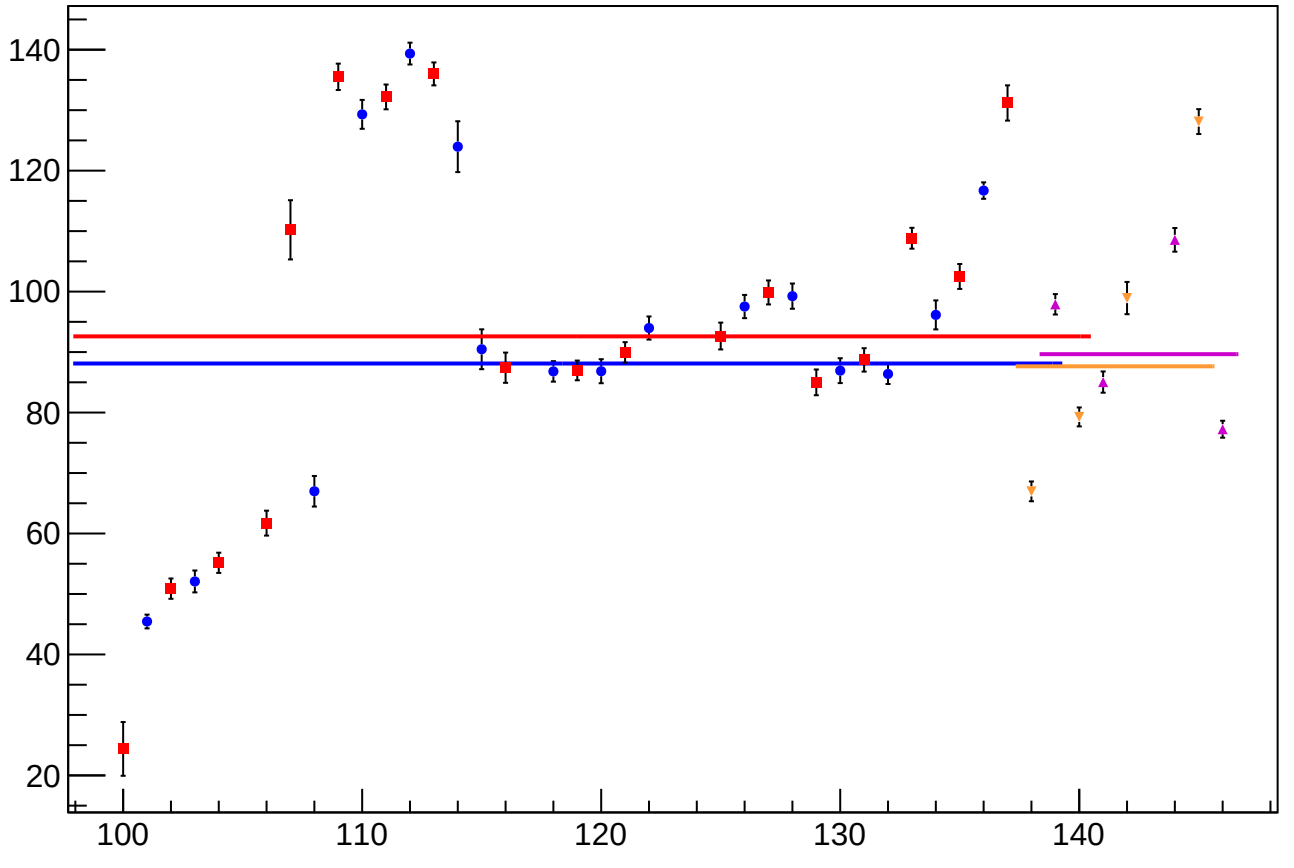
Left: 7.129+/-0.473 χ^2/NDF: 336.2/7

Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 7.715+/-0.347 χ^2/NDF:422.7/19

Out: 10.891+/-0.382 χ^2/NDF:551.8/21

All: 9.151+/-0.257 χ^2/NDF: 1012.4/41



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 87.644+/-0.929 χ^2/NDF:592.5/3

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 89.653+/-0.832 χ^2/NDF:202.5/3

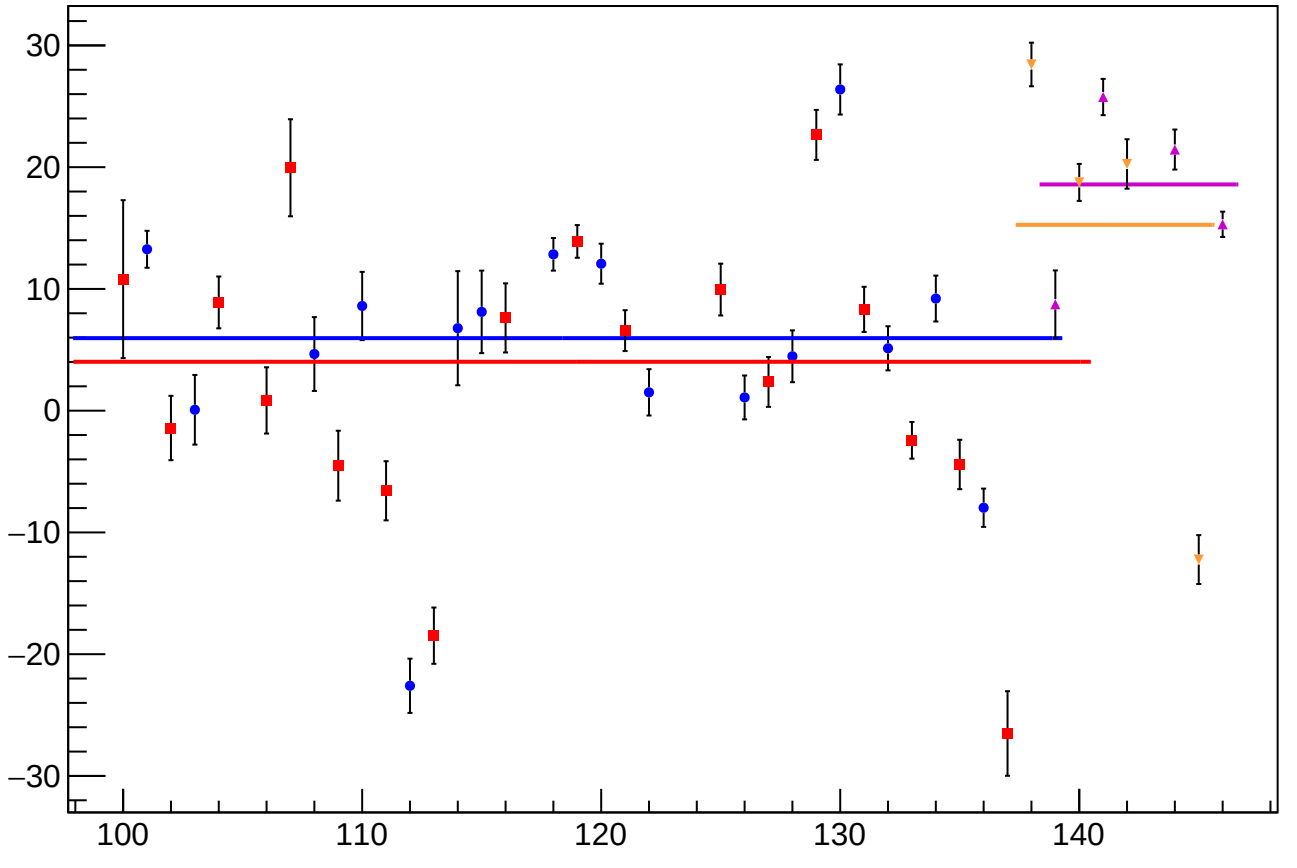
Left: 88.759+/-0.620 χ^2/NDF: 797.7/7

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 88.481+/-0.408 χ^2/NDF:3766.8/19

Out: 91.542+/-0.429 χ^2/NDF:3825.9/21

All: 89.937+/-0.296 χ^2/NDF: 7619.5/41



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 15.264+/-0.899 χ^2/NDF:253.2/3

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 18.581+/-0.730 χ^2/NDF:48.7/3

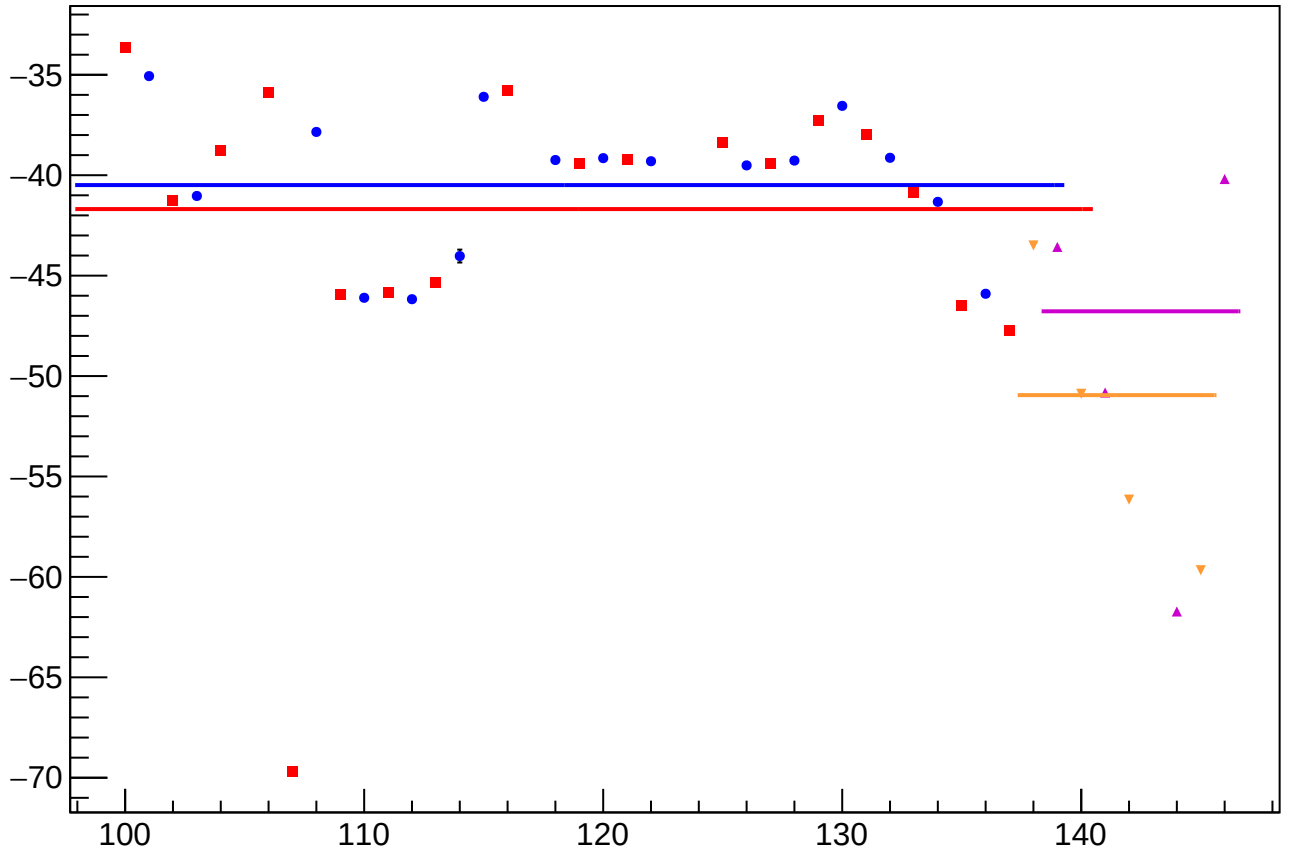
Left: 17.263+/-0.567 χ^2/NDF: 310.2/7

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 9.927+/-0.410 χ^2/NDF:680.2/19

Out: 6.750+/-0.443 χ^2/NDF:789.3/21

All: 8.464+/-0.301 χ^2/NDF: 1497.3/41



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -50.950+/-0.039 χ^2/NDF:26704.4/3

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -46.776+/-0.034 χ^2/NDF:46894.5/3

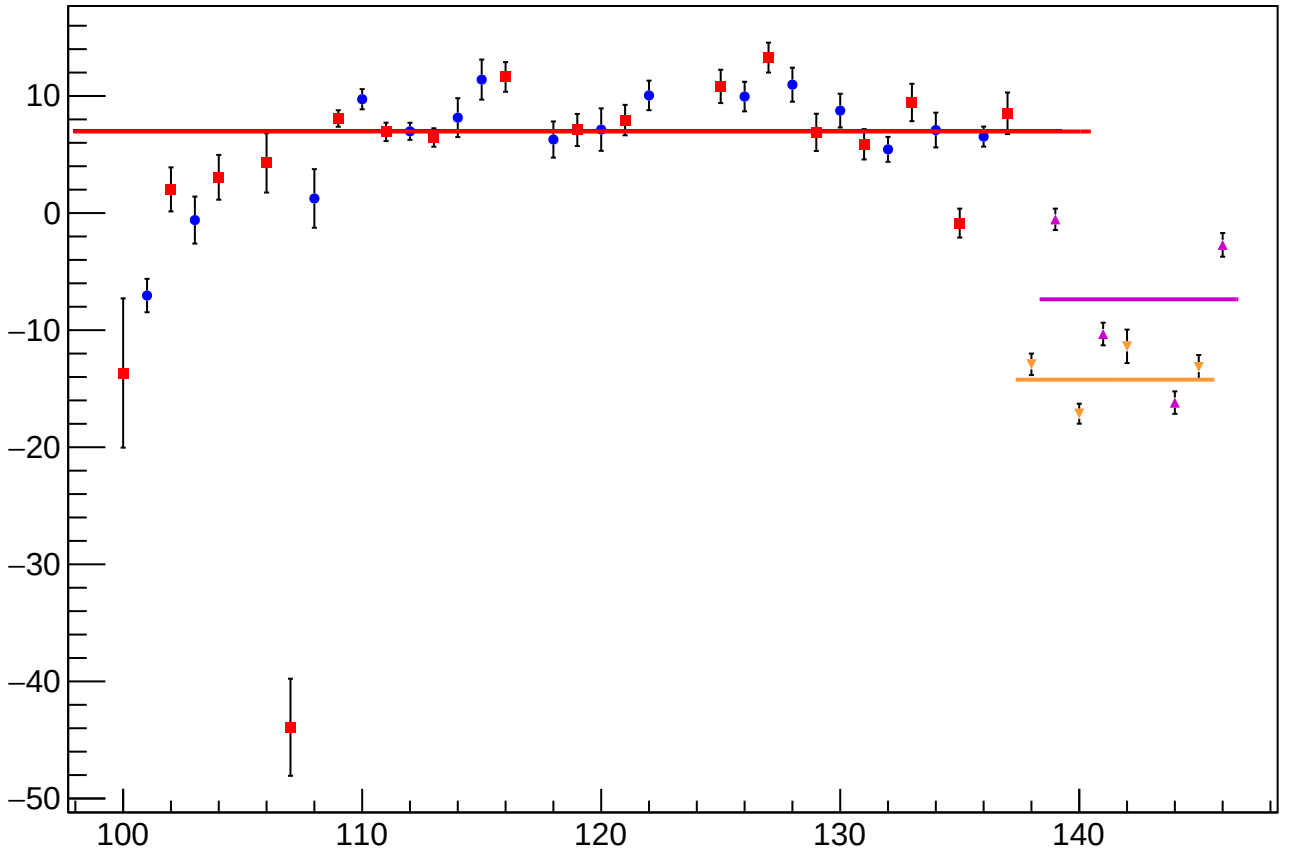
Left: -48.589+/-0.025 χ^2/NDF: 80236.8/7

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -43.085+/-0.022 χ^2/NDF:85360.2/19

Out: -45.073+/-0.023 χ^2/NDF:100218.0/21

All: -44.009+/-0.016 χ^2/NDF: 189477.6/41



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -14.231+/-0.500 χ^2/NDF:18.7/3

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -7.365+/-0.481 χ^2/NDF:170.6/3

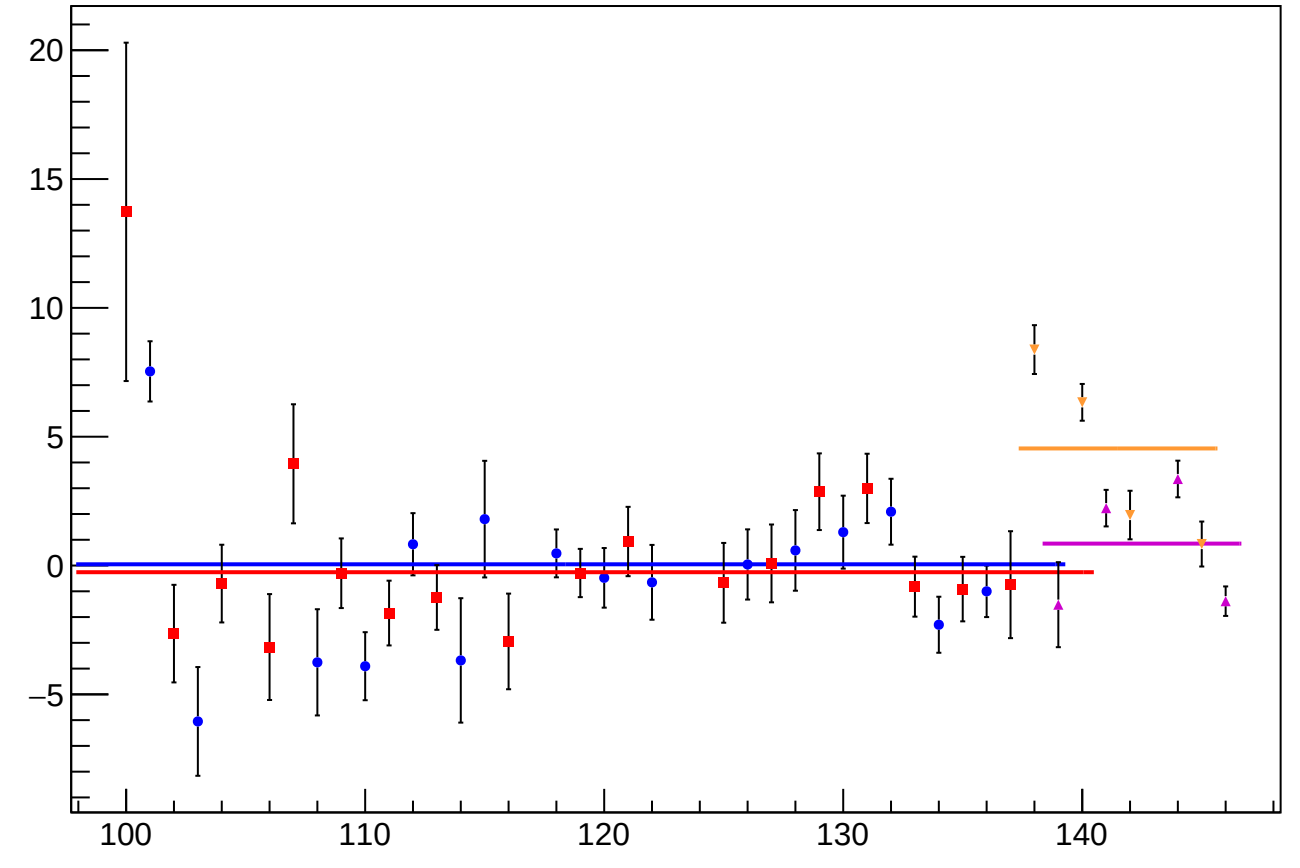
Left: -10.663+/-0.347 χ^2/NDF: 287.1/7

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 2.806+/-0.260 χ^2/NDF:959.0/19

Out: 1.409+/-0.256 χ^2/NDF:1609.7/21

All: 2.097+/-0.183 χ^2/NDF: 2583.3/41



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 4.544+/-0.426 χ^2/NDF:48.3/3

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.851+/-0.368 χ^2/NDF:33.5/3

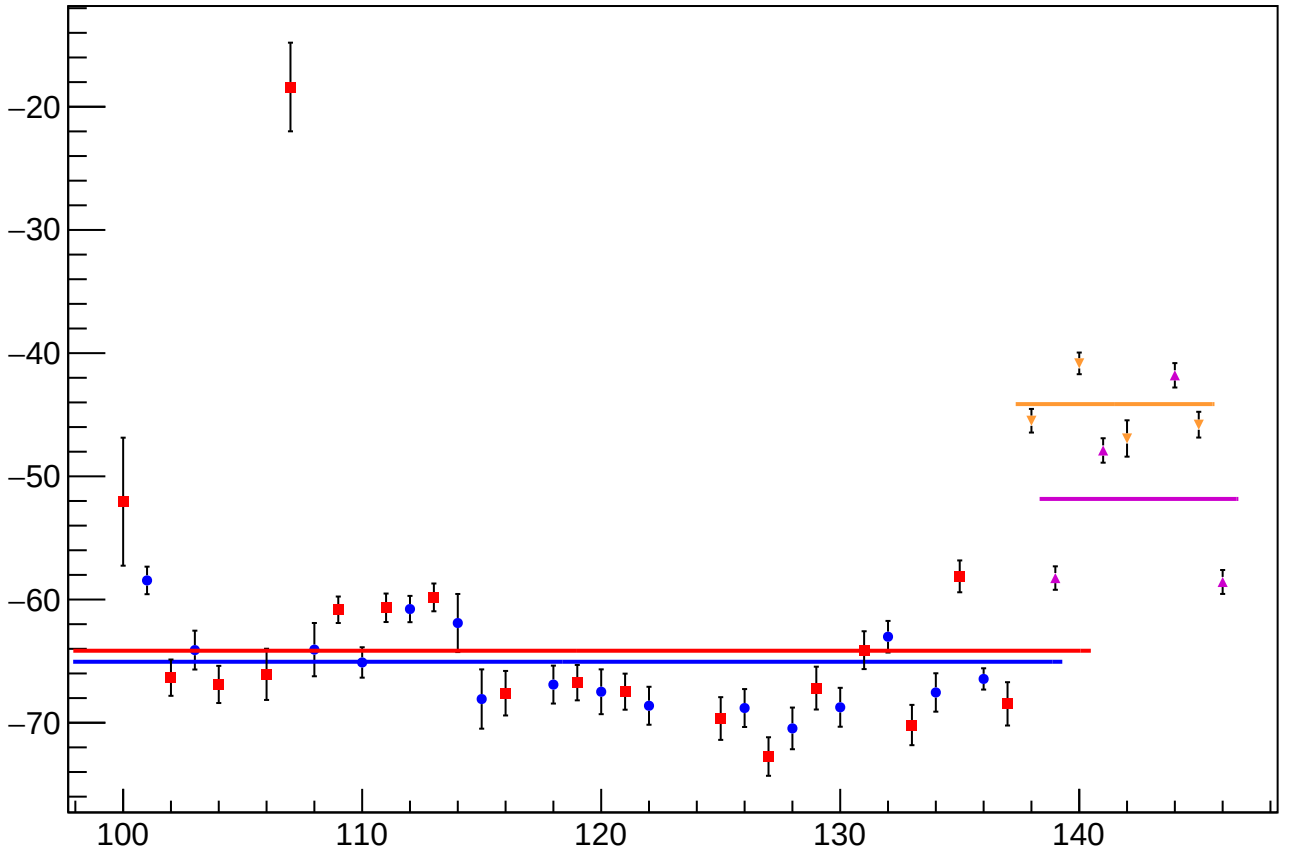
Left: 2.430+/-0.278 χ^2/NDF: 124.8/7

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 0.408+/-0.246 χ^2/NDF:111.1/19

Out: 1.641+/-0.268 χ^2/NDF:152.7/21

All: 0.973+/-0.181 χ^2/NDF: 275.3/41



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -44.136+/-0.516 χ^2/NDF:22.3/3

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -51.833+/-0.488 χ^2/NDF:212.1/3

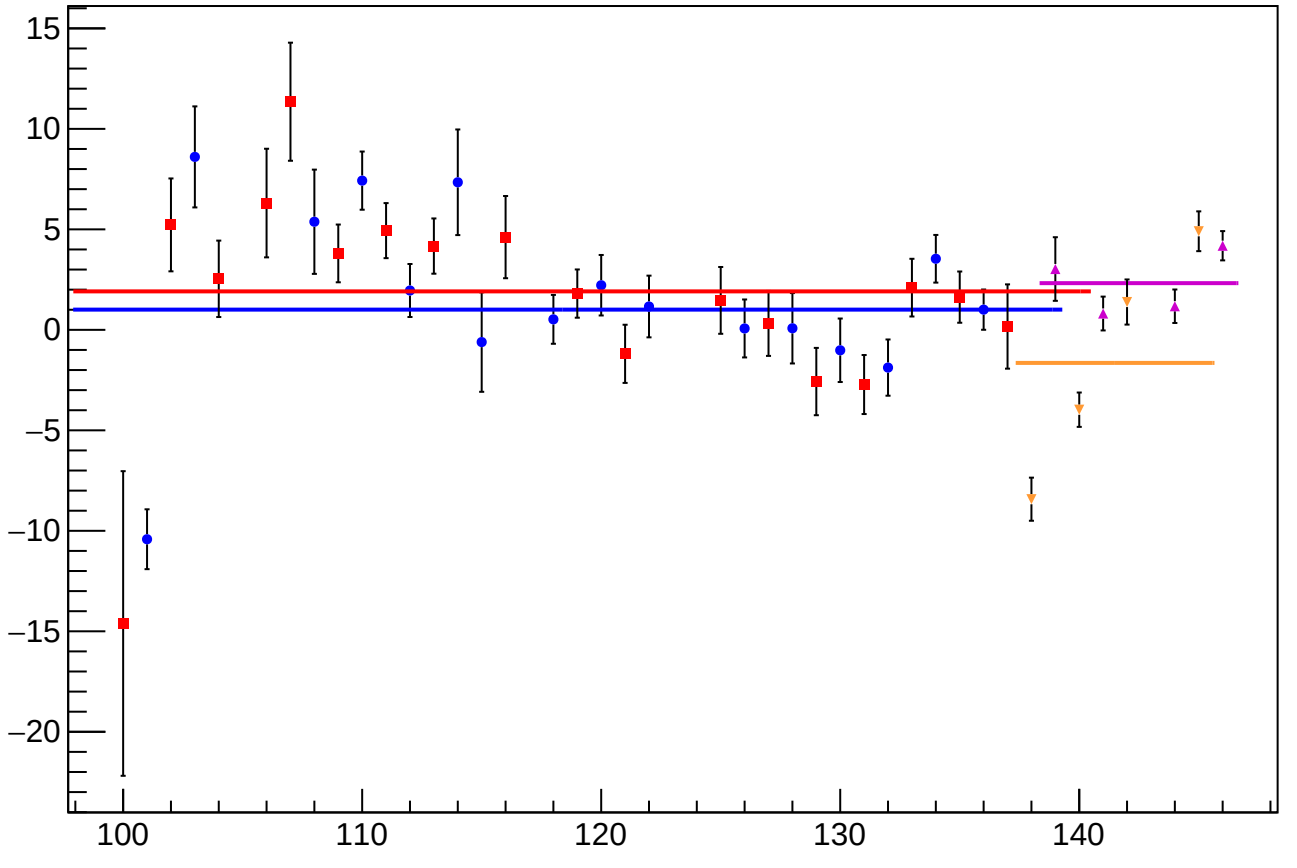
Left: -48.199+/-0.355 χ^2/NDF: 351.8/7

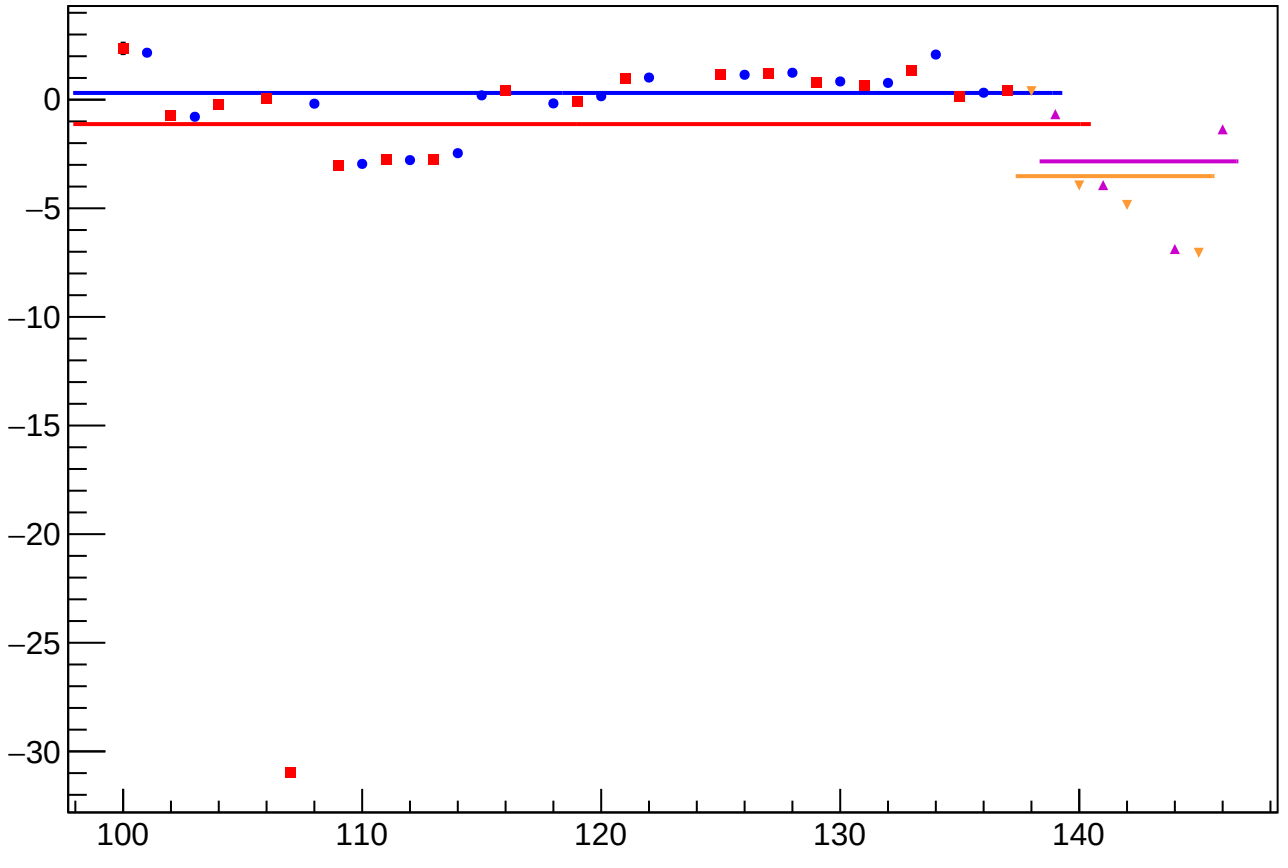
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -60.493+/-0.287 χ^2/NDF:785.6/19

Out: -57.590+/-0.295 χ^2/NDF:1337.7/21

All: -59.086+/-0.206 χ^2/NDF: 2173.1/41


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: -1.645+/-0.497 χ²/NDF:98.4/3
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 2.323+/-0.441 χ²/NDF:11.9/3
Left: 0.574+/-0.330 χ²/NDF: 146.0/7
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 1.560+/-0.286 χ²/NDF:126.3/19
Out: 0.558+/-0.307 χ²/NDF:184.7/21
All: 1.094+/-0.209 χ²/NDF: 316.7/41



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -3.520+/-0.021 χ^2/NDF:18556.7/3

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -2.839+/-0.020 χ^2/NDF:14345.8/3

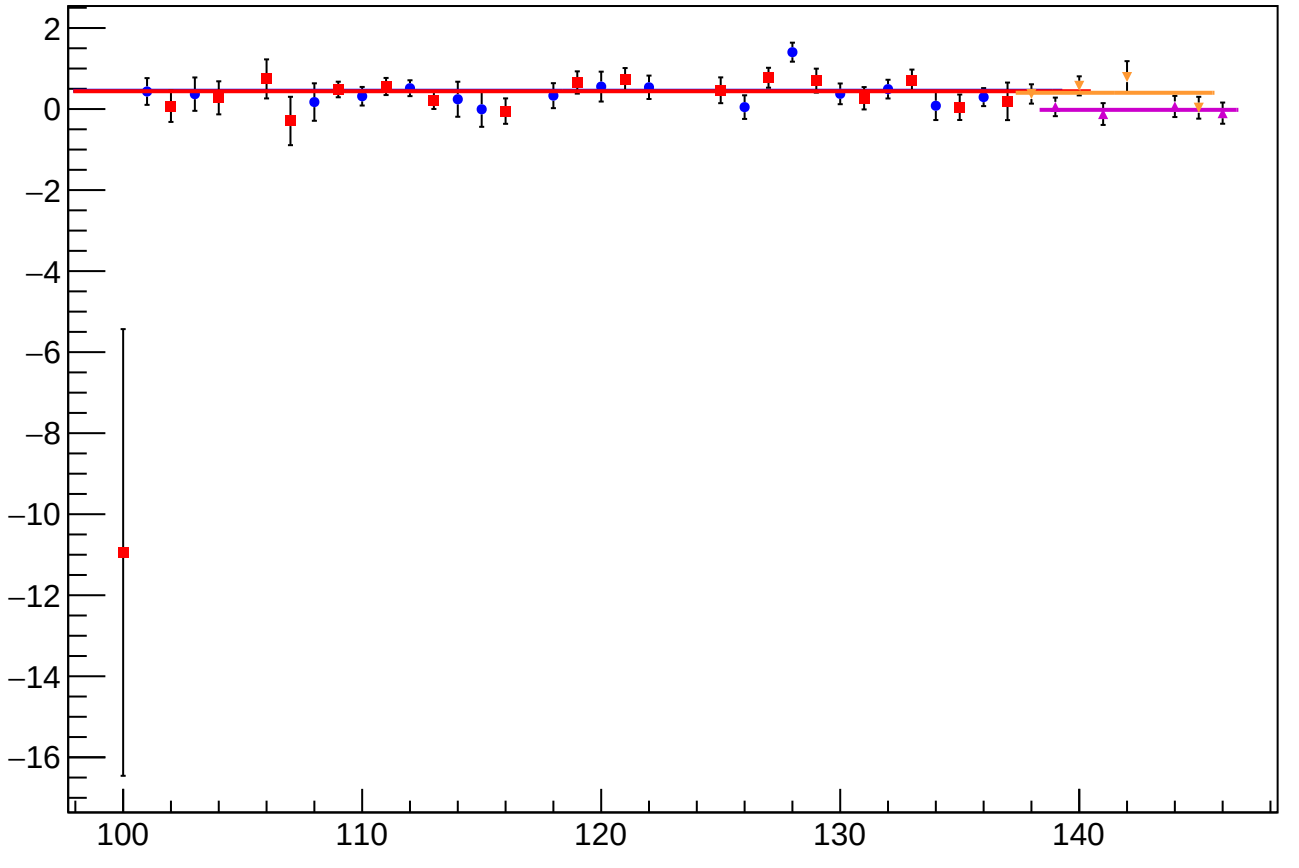
Left: -3.155+/-0.014 χ^2/NDF: 33451.7/7

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.364+/-0.014 χ^2/NDF:31080.1/19

Out: -2.375+/-0.015 χ^2/NDF:70980.5/21

All: -1.838+/-0.011 χ^2/NDF: 104366.3/41



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.402+/-0.134 χ^2/NDF:3.4/3

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: -0.020+/-0.127 χ^2/NDF:0.4/3

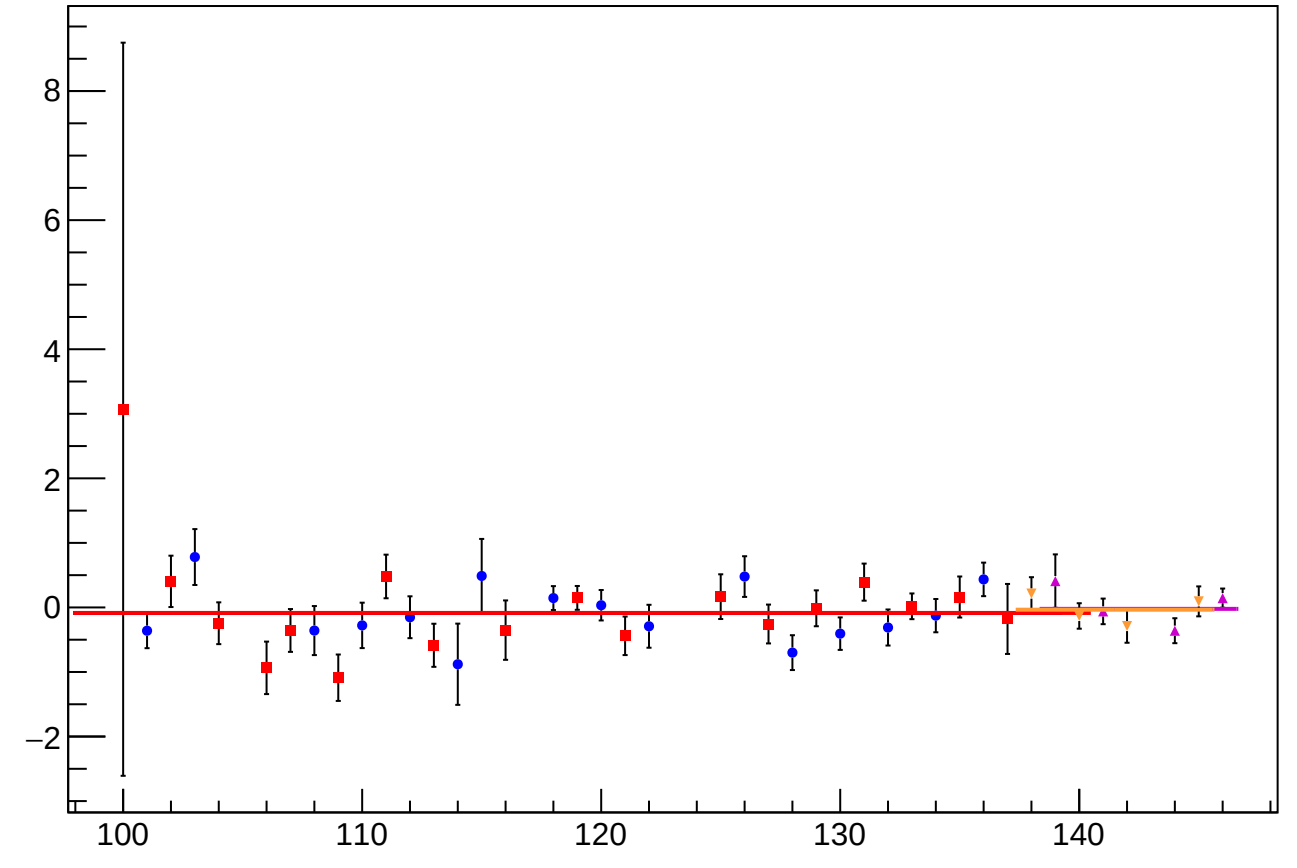
Left: 0.180+/-0.092 χ^2/NDF: 9.1/7

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.339+/-0.062 χ^2/NDF:33.6/19

Out: 0.432+/-0.062 χ^2/NDF:22.0/21

All: 0.386+/-0.044 χ^2/NDF: 56.7/41



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: -0.035+/-0.116 χ^2/NDF:2.5/3

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.022+/-0.098 χ^2/NDF:5.4/3

Left: -0.028+/-0.075 χ^2/NDF: 7.9/7

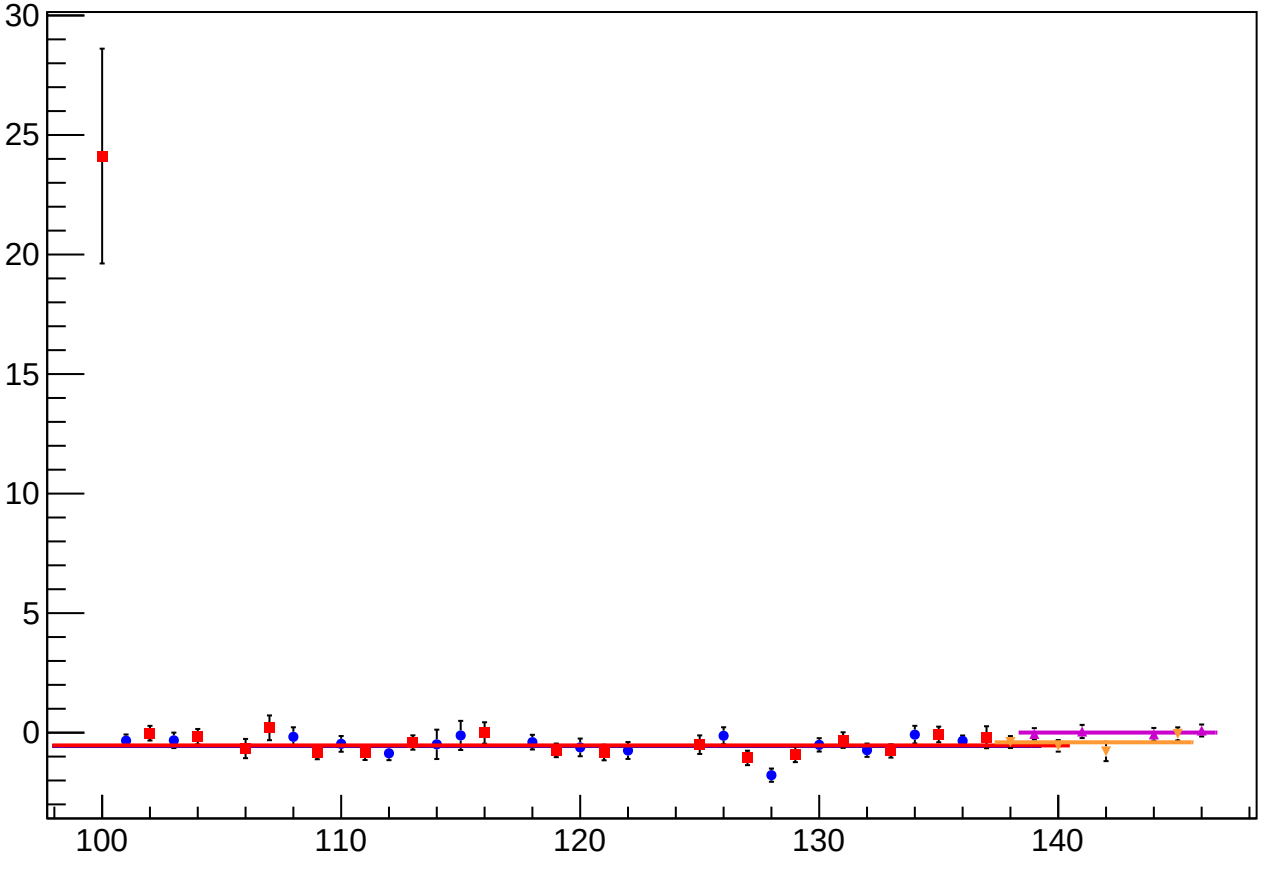
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.063+/-0.059 χ^2/NDF:31.1/19

Out: -0.071+/-0.062 χ^2/NDF:30.5/21

All: -0.067+/-0.043 χ^2/NDF: 61.6/41

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.403+/-0.138 χ^2/NDF:2.9/3

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: 0.004+/-0.129 χ^2/NDF:0.3/3

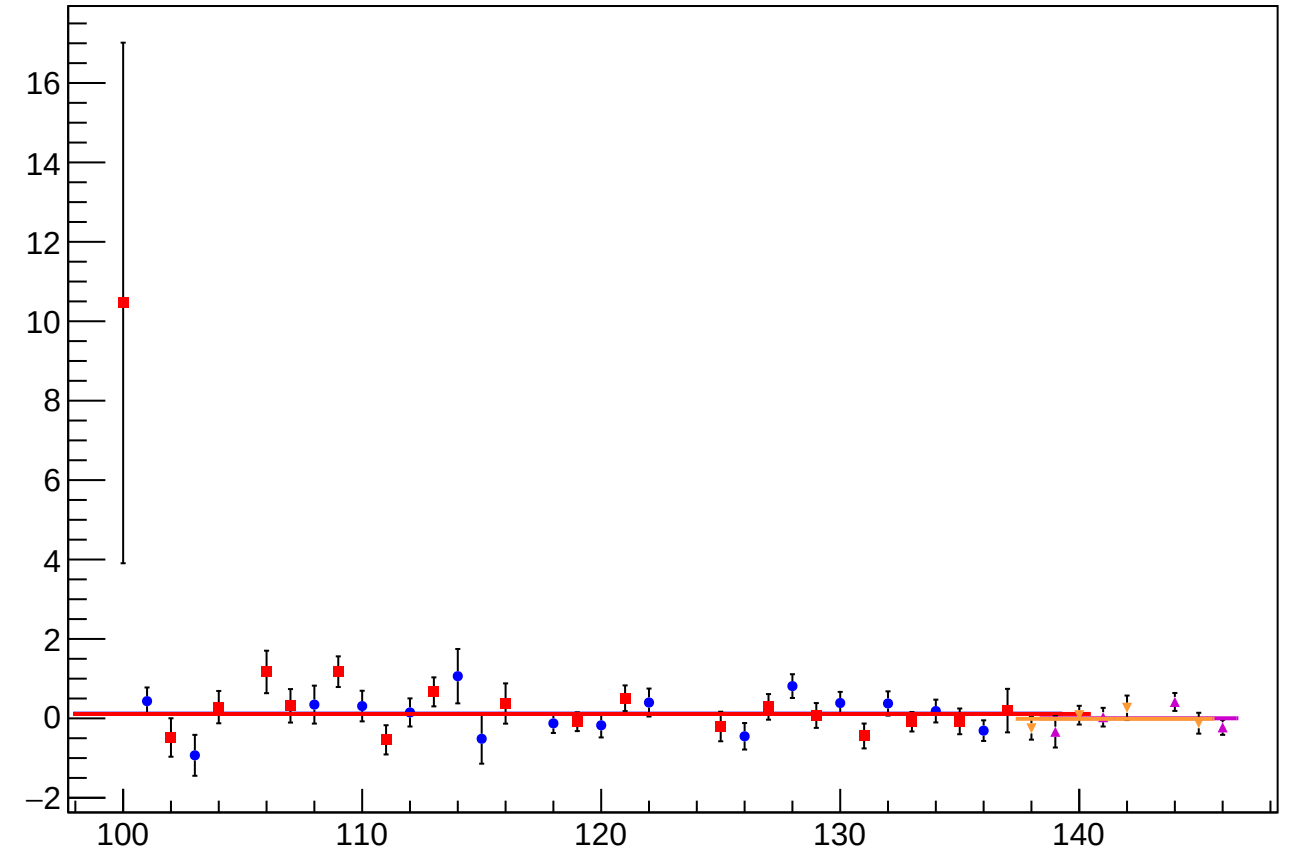
Left: -0.185+/-0.094 χ^2/NDF: 7.8/7

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.402+/-0.068 χ^2/NDF:42.4/19

Out: -0.500+/-0.070 χ^2/NDF:52.7/21

All: -0.450+/-0.049 χ^2/NDF: 96.2/41



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.011+/-0.134 χ^2/NDF:1.8/3

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.002+/-0.118 χ^2/NDF:5.5/3

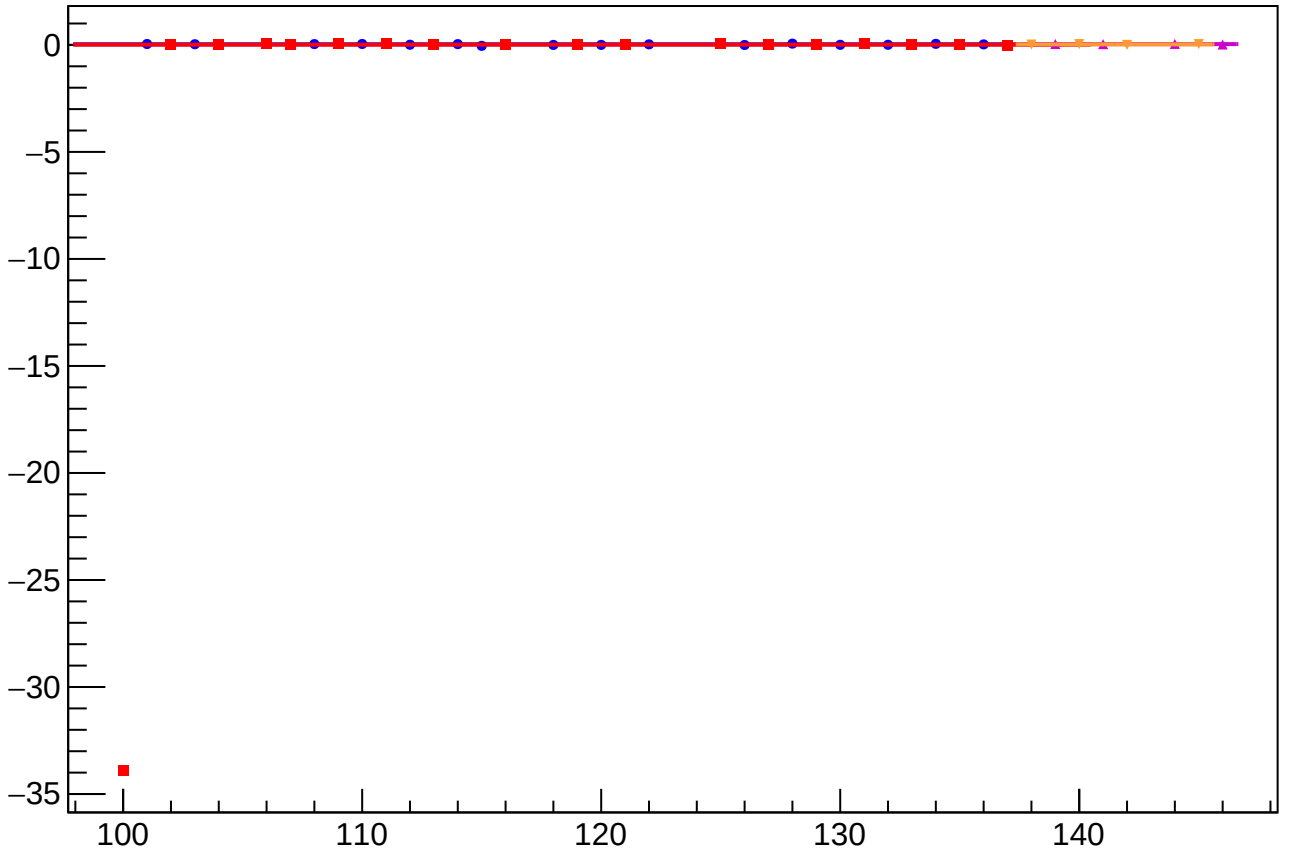
Left: -0.004+/-0.089 χ^2/NDF: 7.4/7

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.079+/-0.068 χ^2/NDF:29.8/19

Out: 0.076+/-0.072 χ^2/NDF:31.4/21

All: 0.078+/-0.049 χ^2/NDF: 61.2/41



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.025+/-0.006 χ^2/NDF:5.2/3

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.037+/-0.005 χ^2/NDF:3.5/3

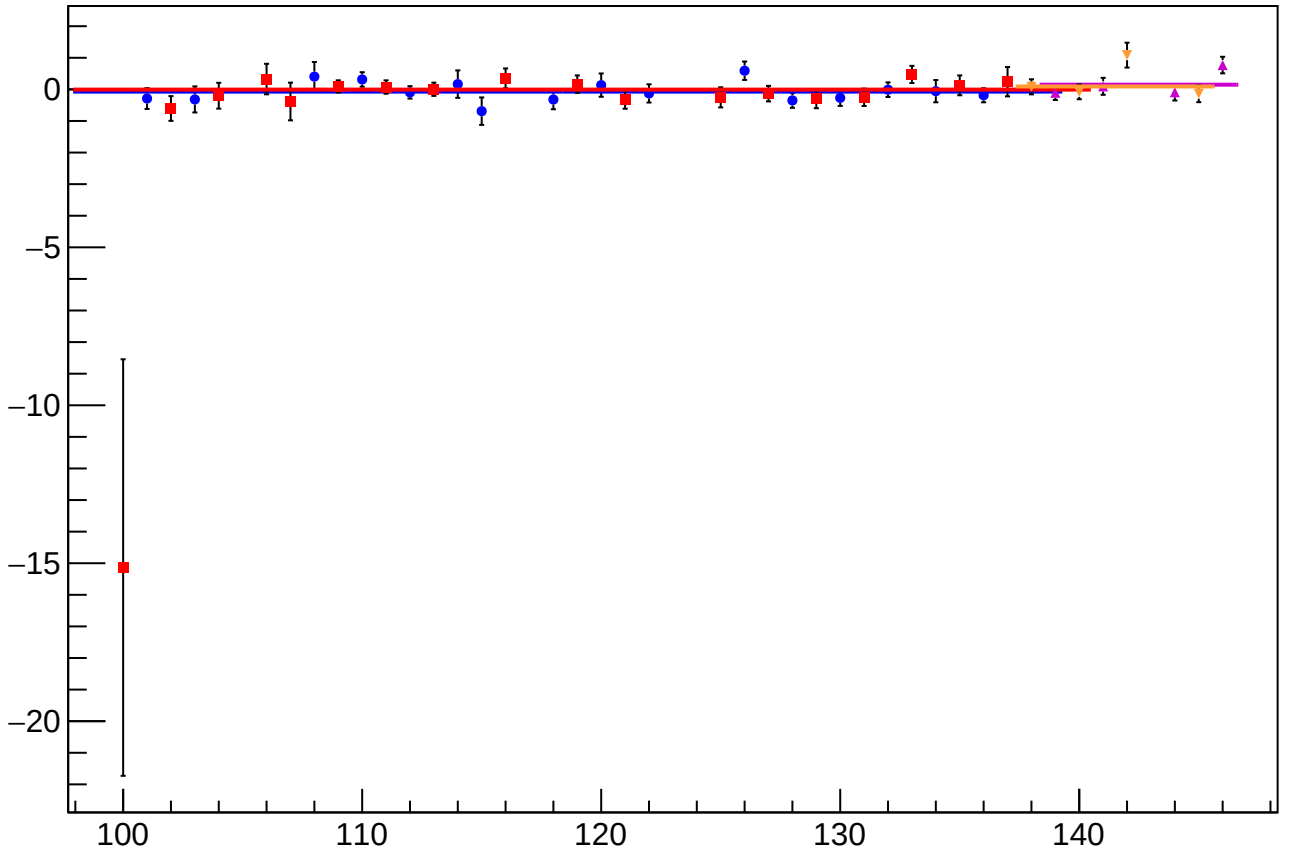
Left: 0.031+/-0.004 χ^2/NDF: 11.3/7

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.032+/-0.004 χ^2/NDF:20.0/19

Out: 0.017+/-0.004 χ^2/NDF:22270.2/21

All: 0.025+/-0.003 χ^2/NDF: 22298.4/41



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.092+/-0.134 χ^2/NDF:7.6/3

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.148+/-0.127 χ^2/NDF:7.8/3

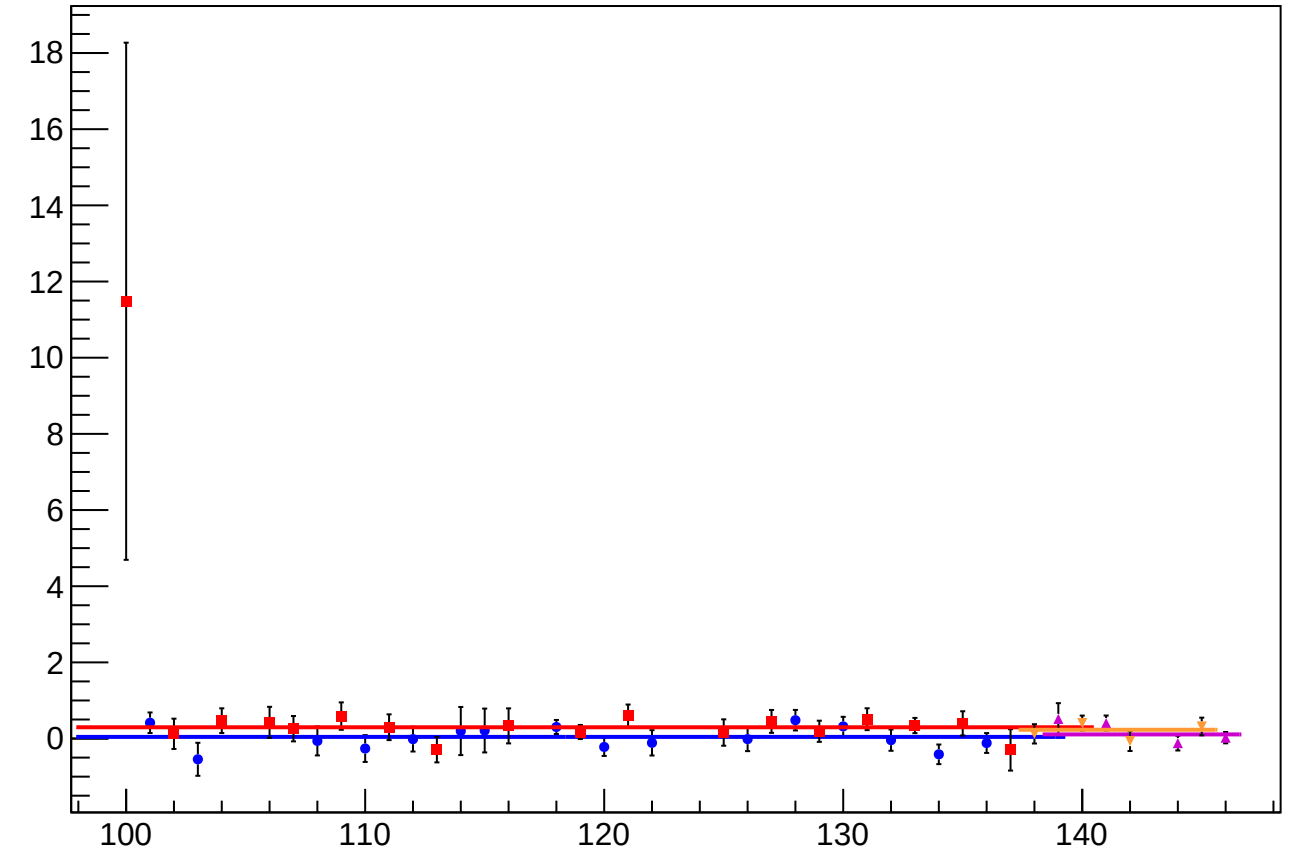
Left: 0.122+/-0.092 χ^2/NDF: 15.4/7

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: -0.018+/-0.062 χ^2/NDF:25.5/19

Out: 0.014+/-0.062 χ^2/NDF:26.2/21

All: -0.002+/-0.044 χ^2/NDF: 51.8/41



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.231+/-0.116 χ^2/NDF:2.4/3

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.109+/-0.098 χ^2/NDF:5.0/3

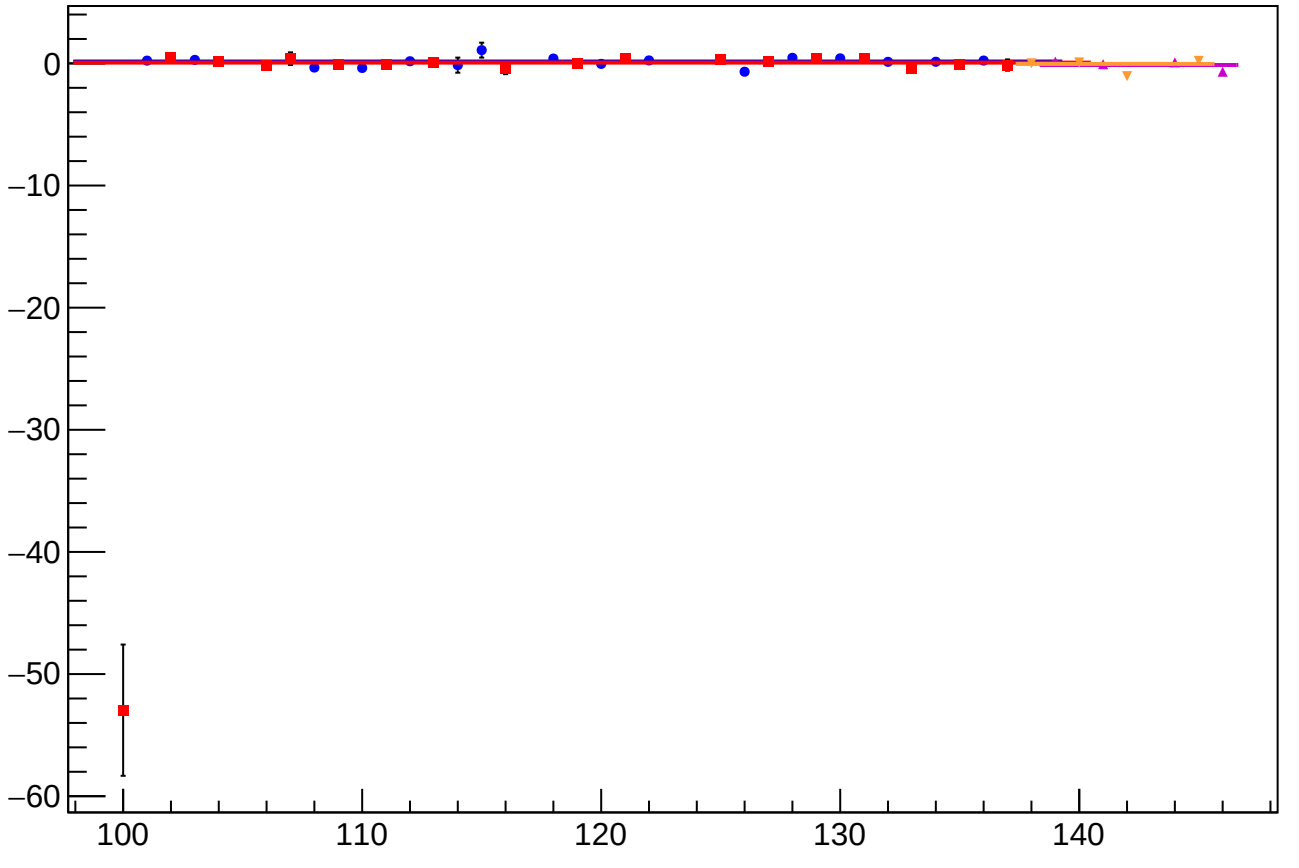
Left: 0.160+/-0.075 χ^2/NDF: 8.0/7

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.067+/-0.059 χ^2/NDF:21.0/19

Out: 0.277+/-0.062 χ^2/NDF:13.6/21

All: 0.166+/-0.043 χ^2/NDF: 40.7/41



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.043+/-0.138 χ^2/NDF:7.2/3

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.132+/-0.129 χ^2/NDF:6.8/3

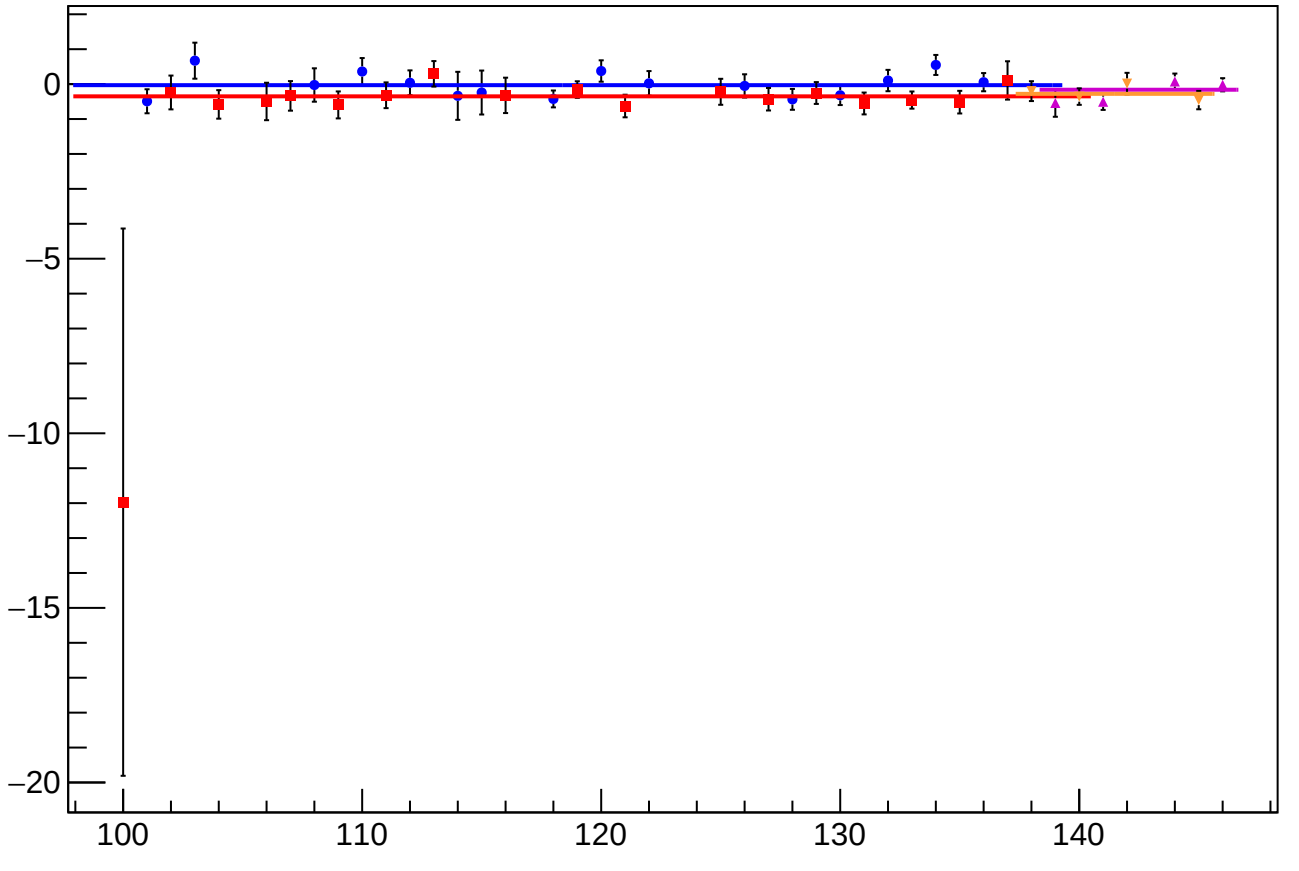
Left: -0.090+/-0.094 χ^2/NDF: 14.3/7

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.074+/-0.068 χ^2/NDF:26.0/19

Out: 0.038+/-0.070 χ^2/NDF:117.0/21

All: 0.057+/-0.049 χ^2/NDF: 143.1/41



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.279+/-0.134 χ^2/NDF:1.5/3

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.161+/-0.118 χ^2/NDF:4.7/3

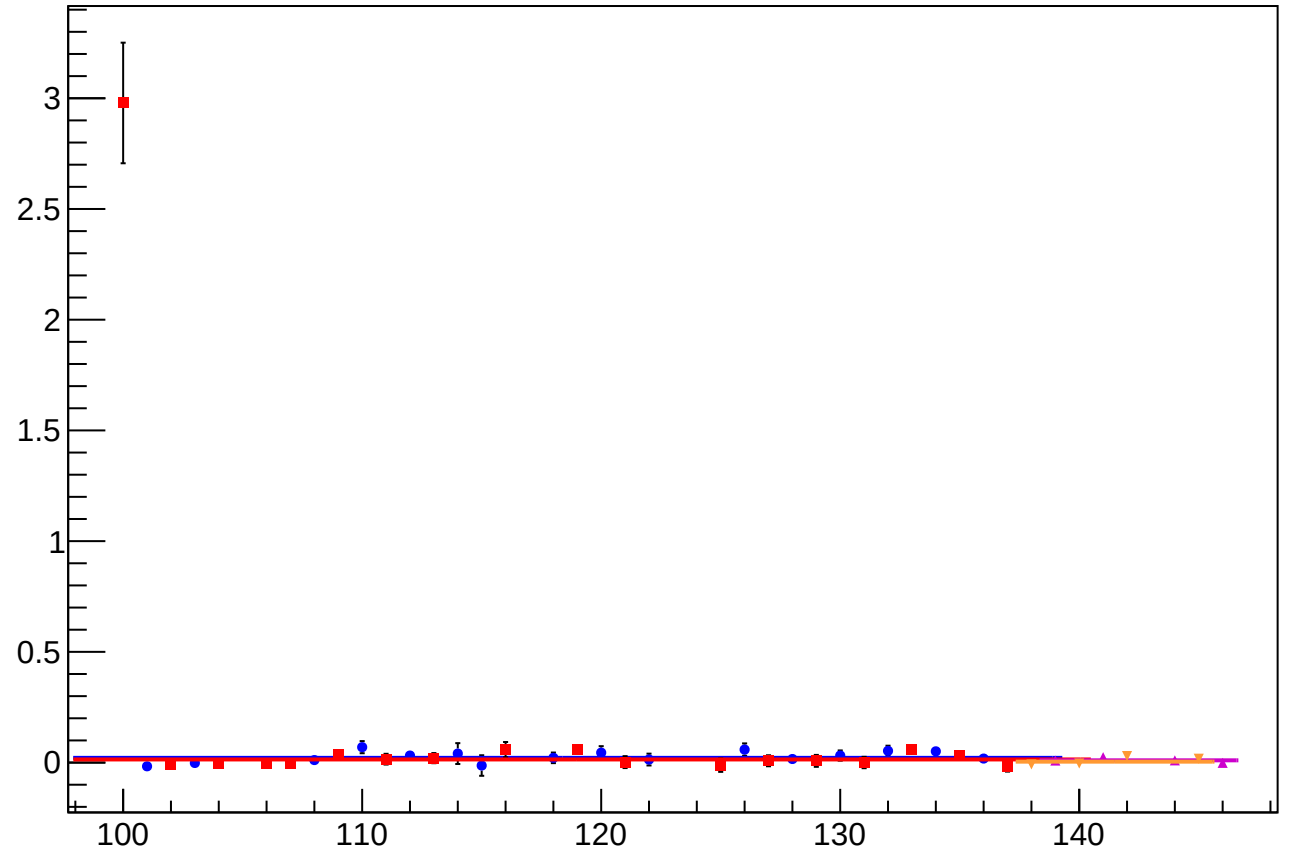
Left: -0.212+/-0.089 χ^2/NDF: 6.7/7

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.074+/-0.068 χ^2/NDF:22.3/19

Out: -0.330+/-0.072 χ^2/NDF:11.2/21

All: -0.196+/-0.049 χ^2/NDF: 40.2/41



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.004+/-0.006 χ^2/NDF:6.0/3

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.010+/-0.005 χ^2/NDF:2.7/3

Left: 0.007+/-0.004 χ^2/NDF: 9.4/7

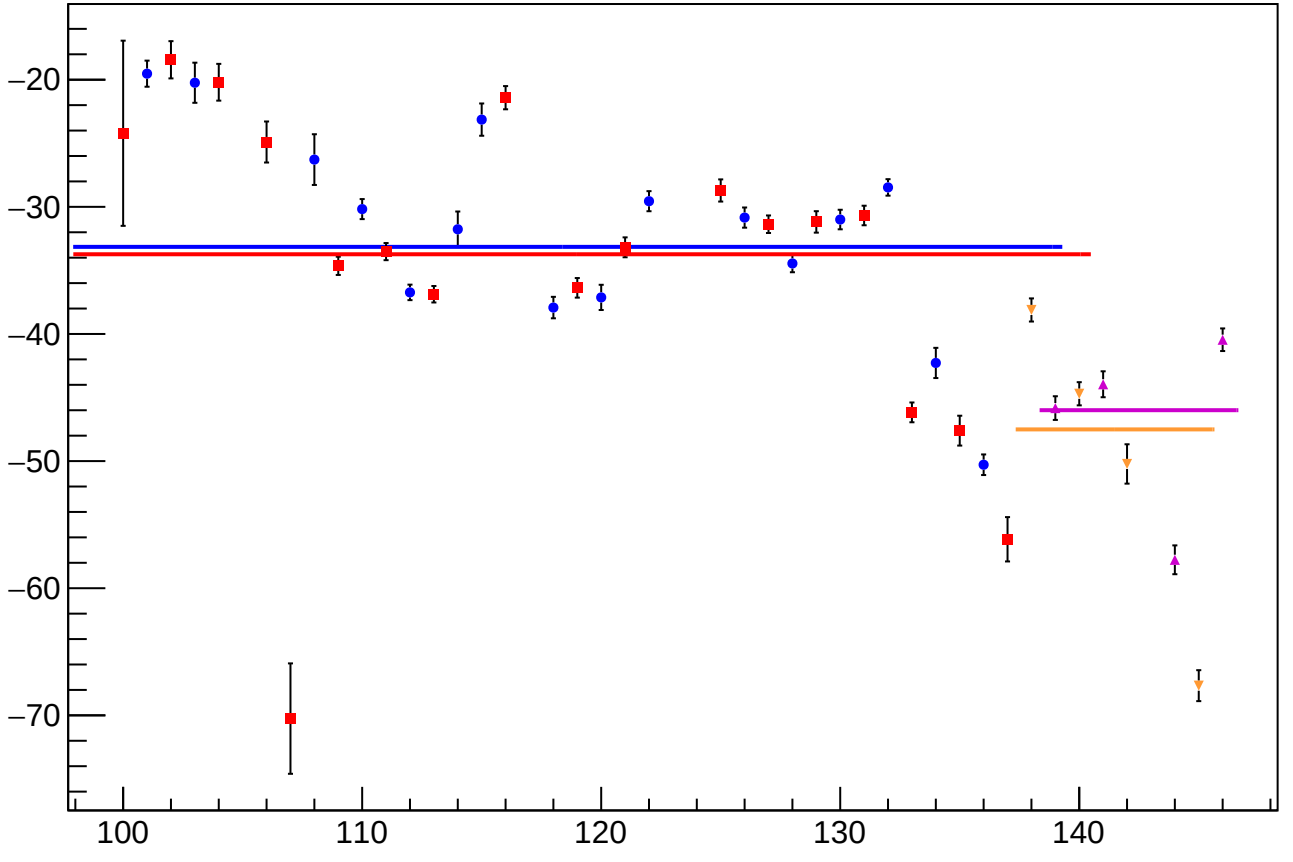
Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.016+/-0.004 χ^2/NDF:27.7/19

Out: 0.010+/-0.004 χ^2/NDF:148.7/21

All: 0.013+/-0.003 χ^2/NDF: 177.9/41

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -47.507+/-0.534 χ^2/NDF:393.4/3

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -45.996+/-0.491 χ^2/NDF:150.6/3

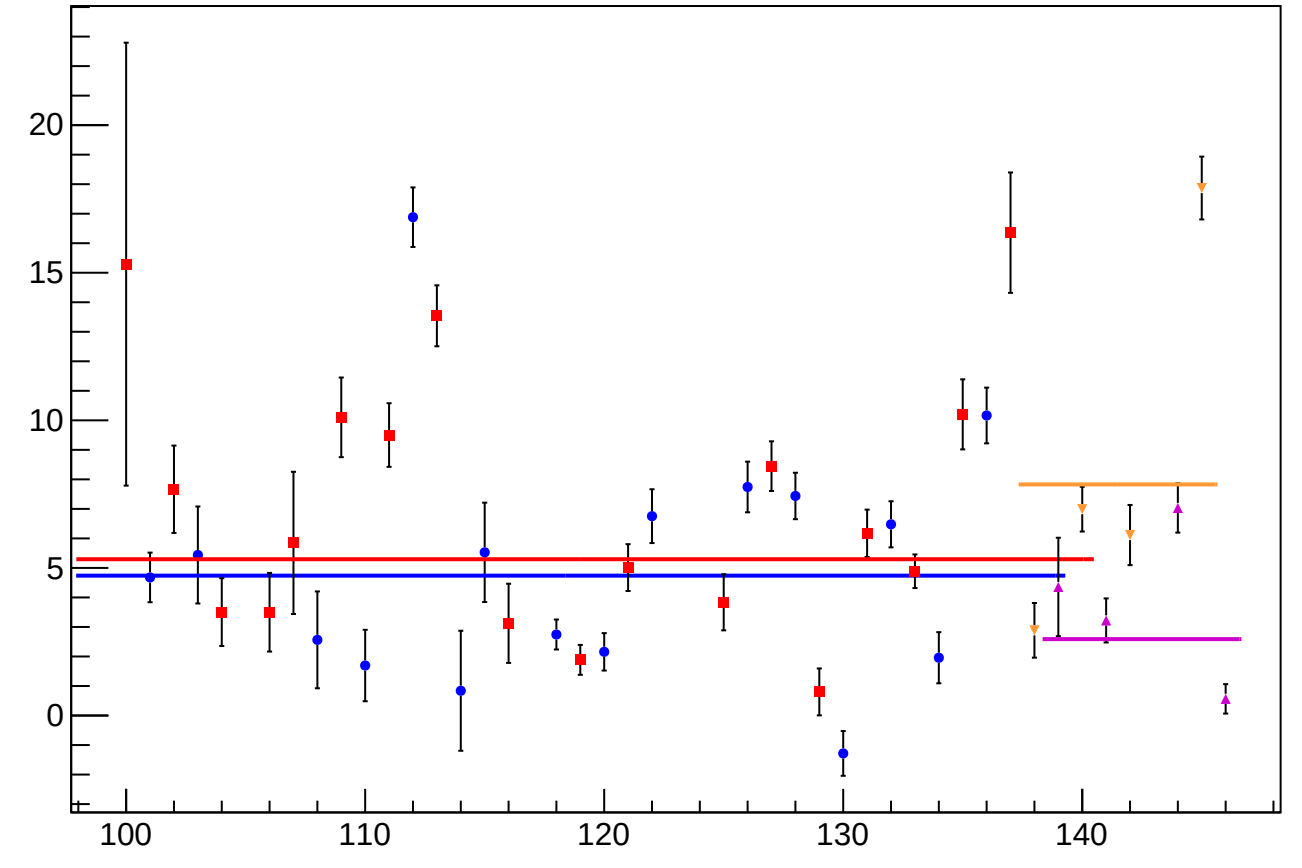
Left: -46.687+/-0.361 χ^2/NDF: 548.3/7

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -35.266+/-0.199 χ^2/NDF:1737.3/19

Out: -35.649+/-0.199 χ^2/NDF:2114.4/21

All: -35.457+/-0.141 χ^2/NDF: 3853.5/41



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 7.828+/-0.459 χ^2/NDF:121.6/3

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 2.589+/-0.362 χ^2/NDF:46.6/3

Left: 4.602+/-0.284 χ^2/NDF: 248.5/7

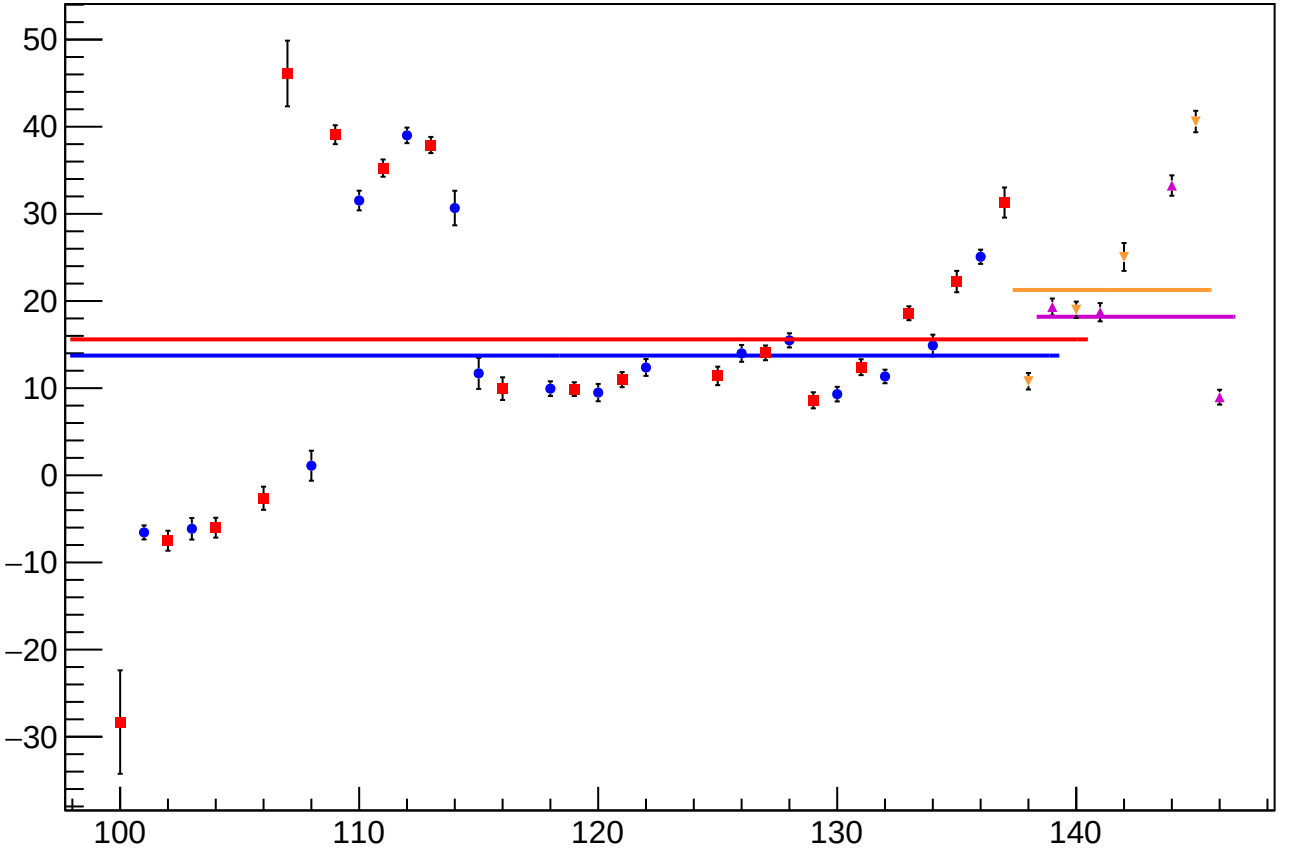
Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 4.163+/-0.188 χ^2/NDF:402.0/19

Out: 5.781+/-0.201 χ^2/NDF:391.2/21

All: 4.917+/-0.137 χ^2/NDF: 827.9/41

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: 21.269+/-0.551 χ^2/NDF:379.2/3

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 18.193+/-0.495 χ^2/NDF:285.4/3

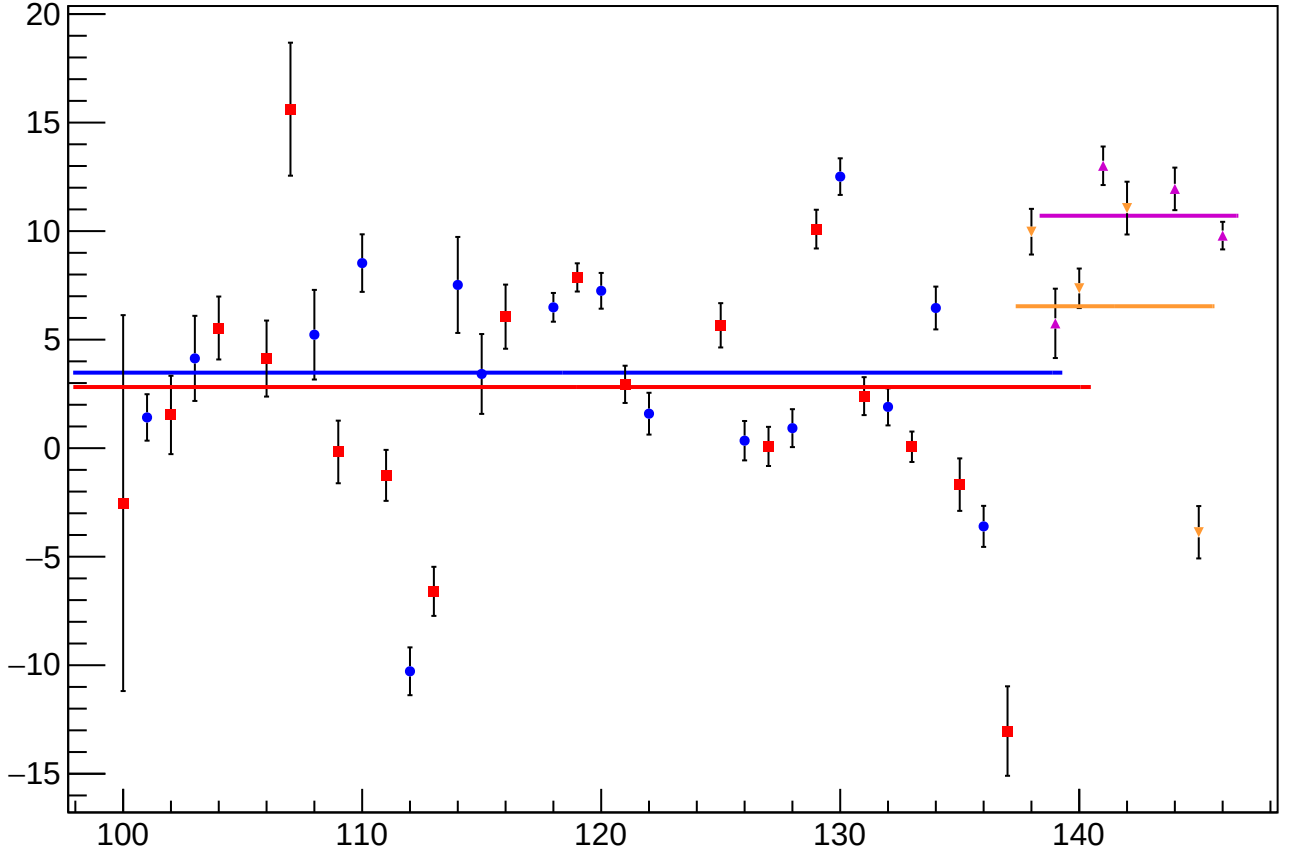
Left: 19.567+/-0.368 χ^2/NDF: 681.9/7

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 14.625+/-0.221 χ^2/NDF:2700.2/19

Out: 16.569+/-0.228 χ^2/NDF:3293.4/21

All: 15.567+/-0.159 χ^2/NDF: 6031.2/41



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 6.539+/-0.537 χ^2/NDF:99.8/3

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 10.708+/-0.439 χ^2/NDF:20.0/3

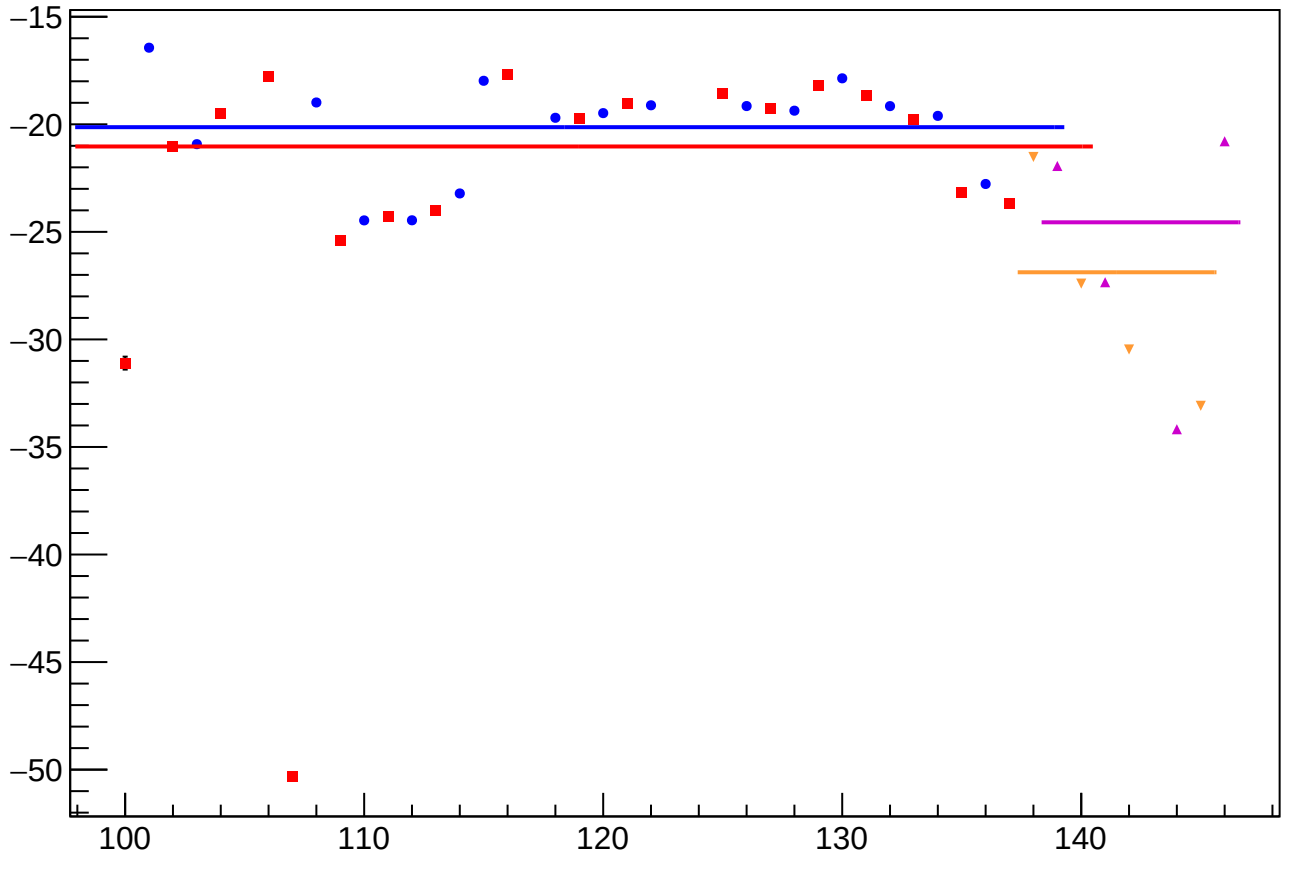
Left: 9.035+/-0.340 χ^2/NDF: 156.0/7

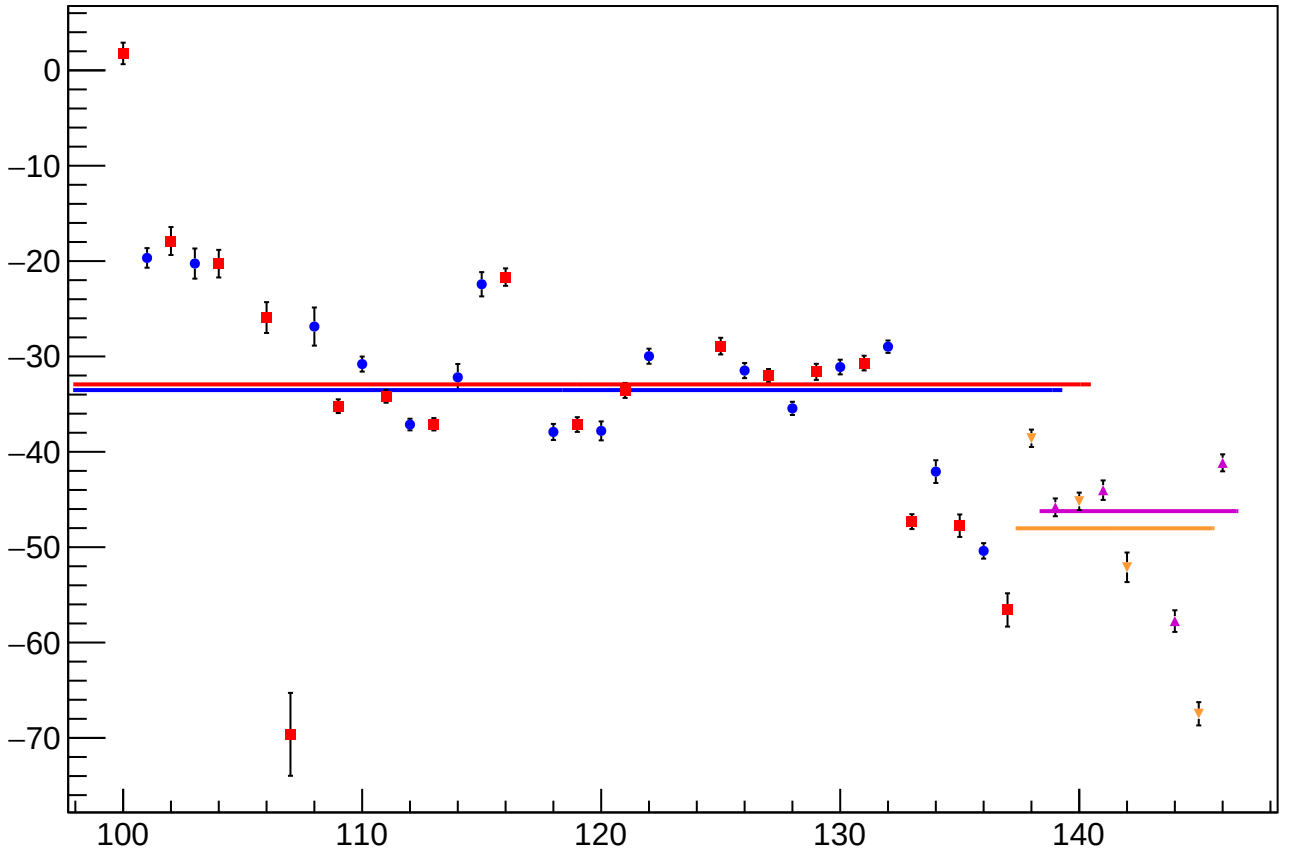
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 5.286+/-0.220 χ^2/NDF:650.7/19

Out: 3.512+/-0.232 χ^2/NDF:484.2/21

All: 4.448+/-0.160 χ^2/NDF: 1165.7/41


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
100
110
120
130
140
Right In: -20.133+/-0.016 χ²/NDF: 19831.2/15
Left Out: -26.879+/-0.023 χ²/NDF:39617.9/3
Right Out: -21.031+/-0.016 χ²/NDF: 57523.6/17
Left In: -24.556+/-0.020 χ²/NDF:54249.7/3
Left: -25.569+/-0.015 χ²/NDF: 99745.4/7
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -21.860+/-0.013 χ²/NDF:103853.1/19
Out: -23.039+/-0.013 χ²/NDF:140526.2/21
All: -22.412+/-0.009 χ²/NDF: 248540.8/41



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -48.020+/-0.535 χ^2/NDF:378.0/3

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -46.220+/-0.492 χ^2/NDF:140.2/3

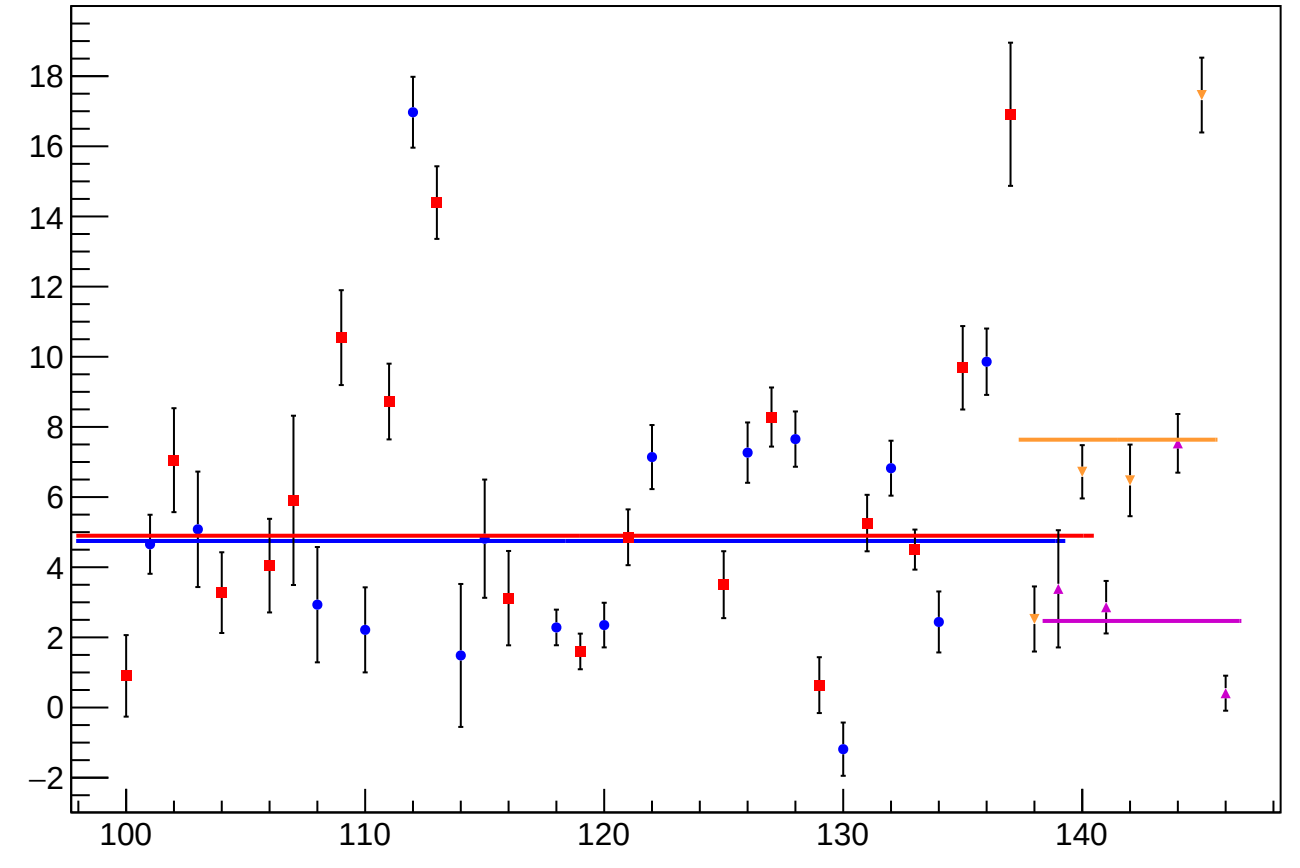
Left: -47.044+/-0.362 χ^2/NDF: 524.3/7

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -35.622+/-0.200 χ^2/NDF:1705.7/19

Out: -34.971+/-0.197 χ^2/NDF:3235.7/21

All: -35.292+/-0.140 χ^2/NDF: 4946.7/41



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 7.636+/-0.460 χ^2/NDF:117.9/3

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 2.469+/-0.363 χ^2/NDF:54.3/3

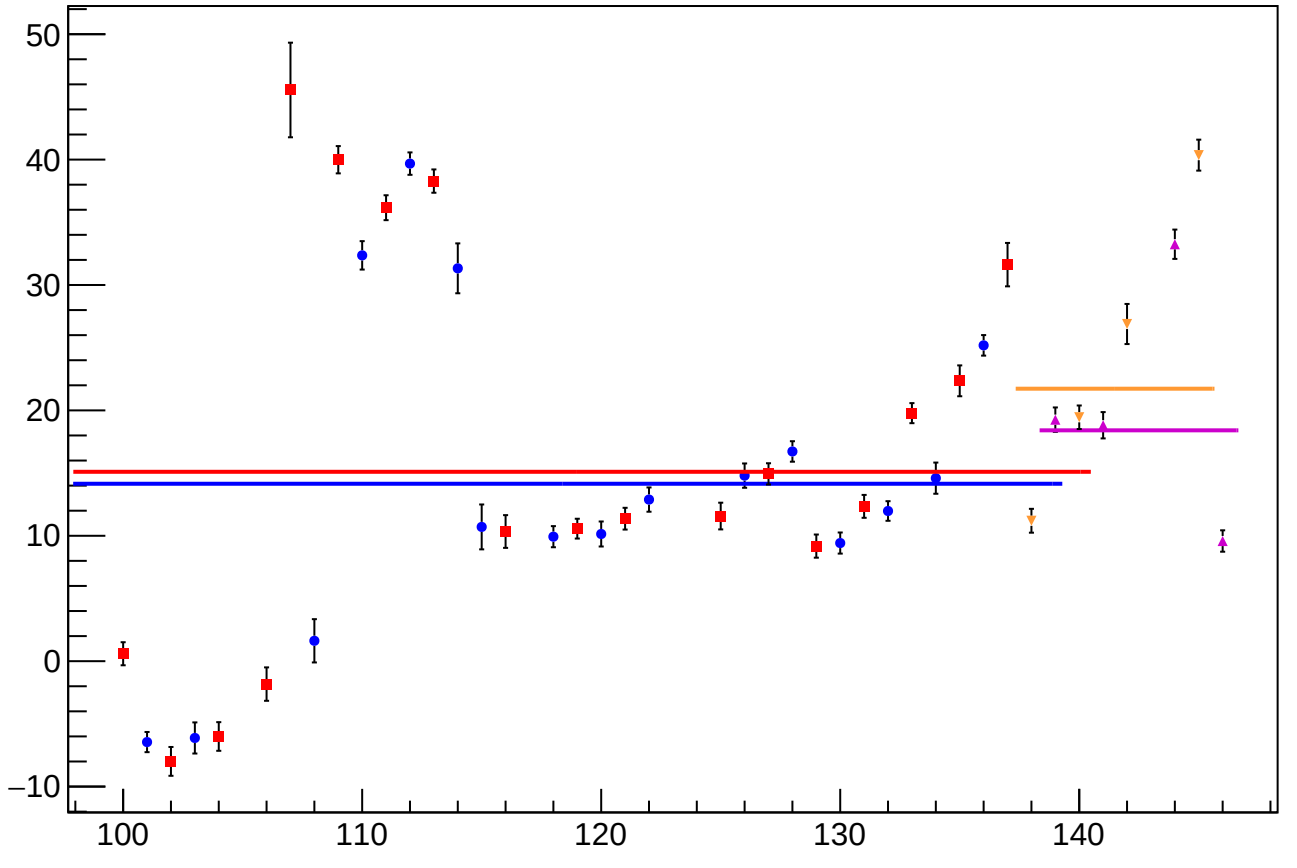
Left: 4.454+/-0.285 χ^2/NDF: 250.0/7

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 4.137+/-0.188 χ^2/NDF:408.8/19

Out: 5.408+/-0.198 χ^2/NDF:419.9/21

All: 4.739+/-0.136 χ^2/NDF: 850.3/41



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 21.730+/-0.552 χ^2/NDF:366.4/3

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 18.409+/-0.496 χ^2/NDF:269.2/3

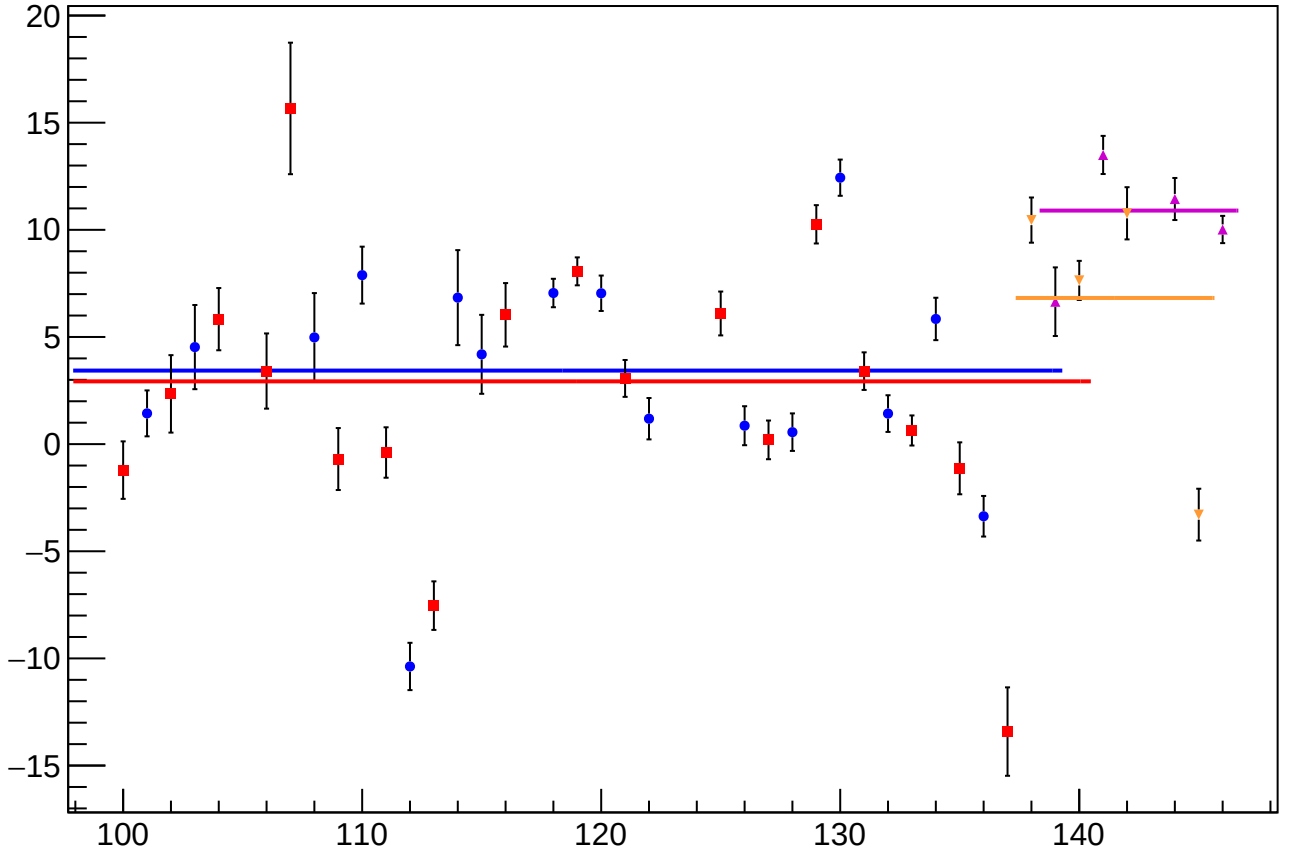
Left: 19.893+/-0.369 χ^2/NDF: 655.6/7

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 14.998+/-0.221 χ^2/NDF:2730.7/19

Out: 16.173+/-0.222 χ^2/NDF:3589.7/21

All: 15.584+/-0.157 χ^2/NDF: 6334.5/41



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 6.820+/-0.538 χ^2/NDF:93.1/3

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 10.898+/-0.440 χ^2/NDF:17.8/3

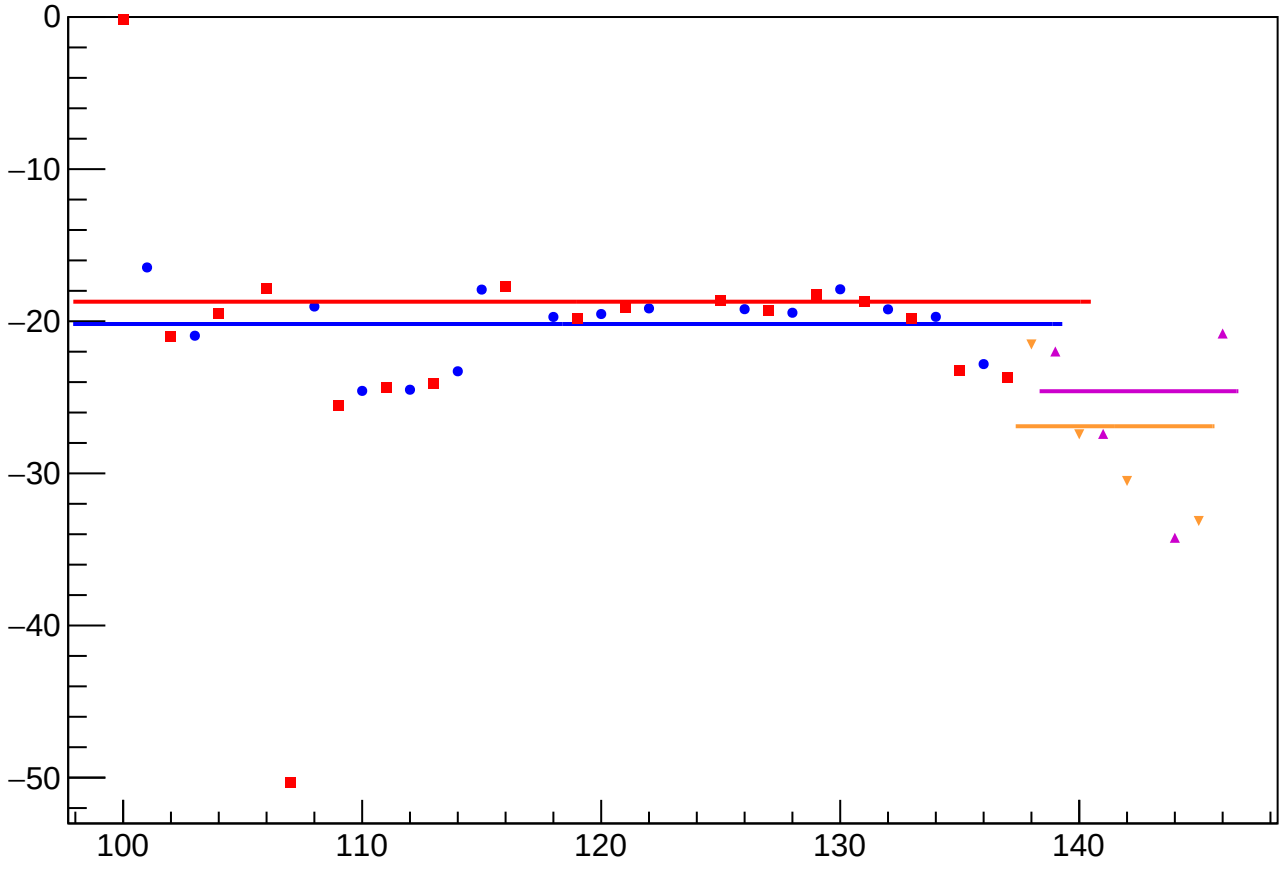
Left: 9.262+/-0.341 χ^2/NDF: 145.4/7

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 5.300+/-0.220 χ^2/NDF:657.6/19

Out: 3.636+/-0.229 χ^2/NDF:503.7/21

All: 4.501+/-0.159 χ^2/NDF: 1188.7/41



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -26.902+/-0.023 χ^2/NDF:39710.3/3

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -24.599+/-0.020 χ^2/NDF:54348.4/3

Left: -25.604+/-0.015 χ^2/NDF: 99813.6/7

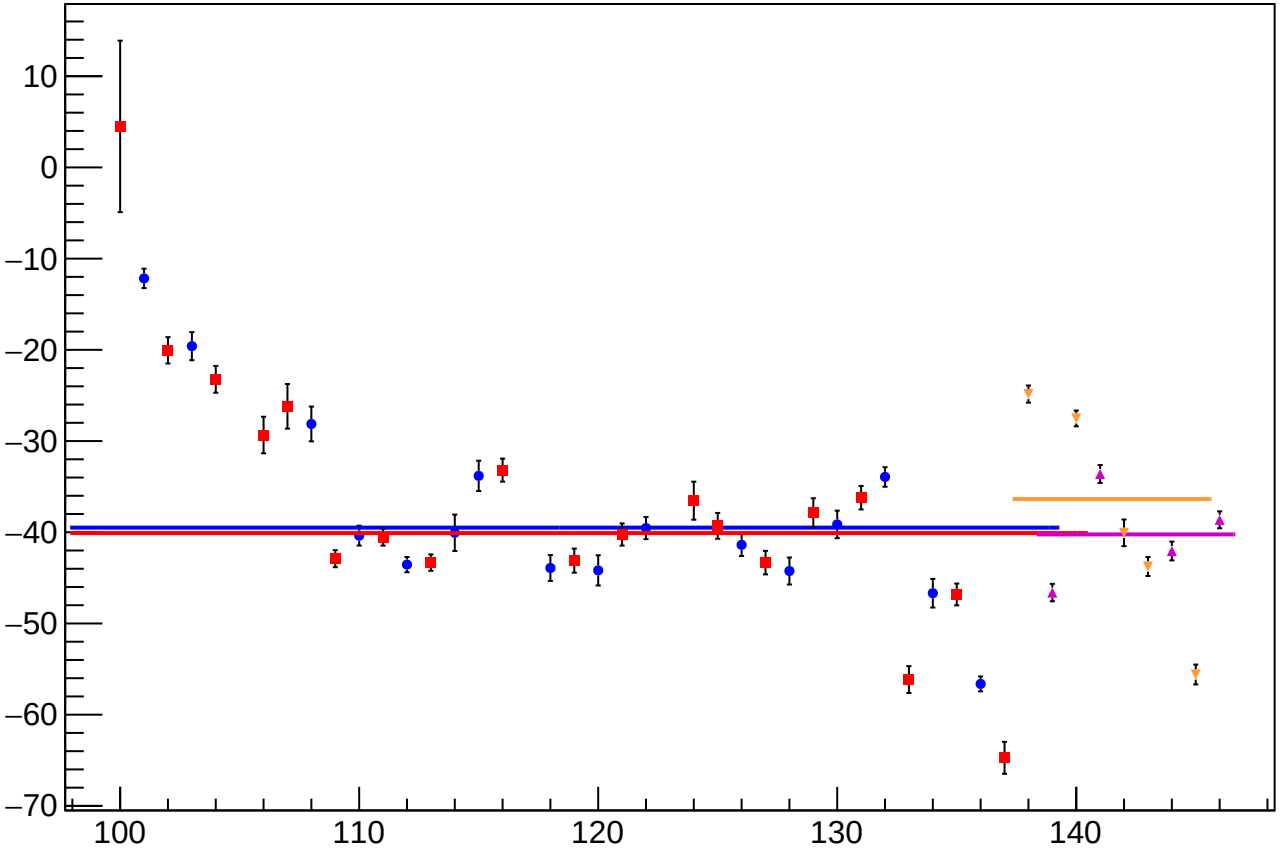
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.906+/-0.013 χ^2/NDF:103802.1/19

Out: -21.318+/-0.013 χ^2/NDF:362390.8/21

All: -21.620+/-0.009 χ^2/NDF: 467264.6/41

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: -36.363+/-0.461 χ^2/NDF:623.8/4

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -40.235+/-0.486 χ^2/NDF:96.2/3

Left: -38.196+/-0.334 χ^2/NDF: 753.4/8

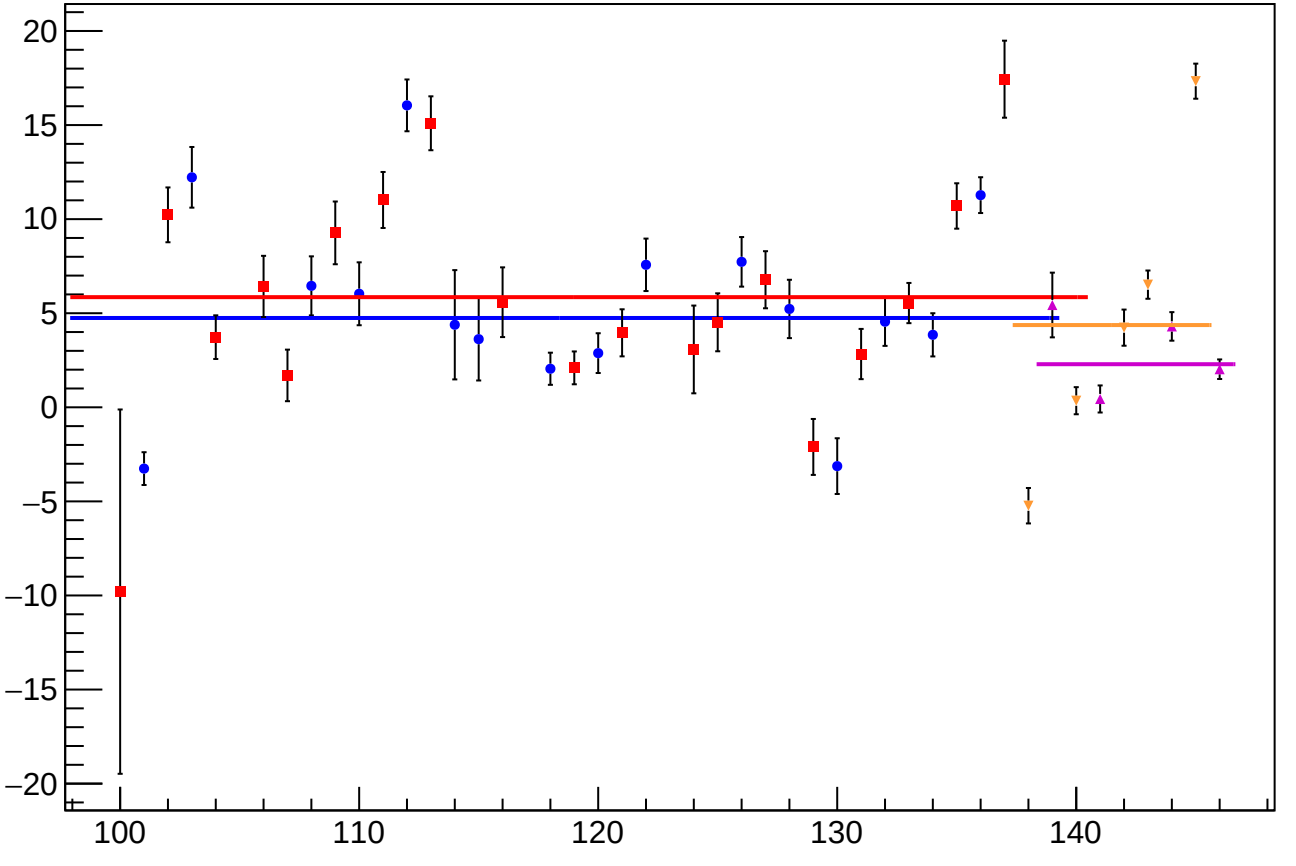
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.708+/-0.262 χ^2/NDF:1514.9/19

Out: -38.943+/-0.256 χ^2/NDF:1504.0/23

All: -39.316+/-0.183 χ^2/NDF: 3023.3/43

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 4.371+/-0.376 χ^2/NDF:336.5/4

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 2.291+/-0.360 χ^2/NDF:17.2/3

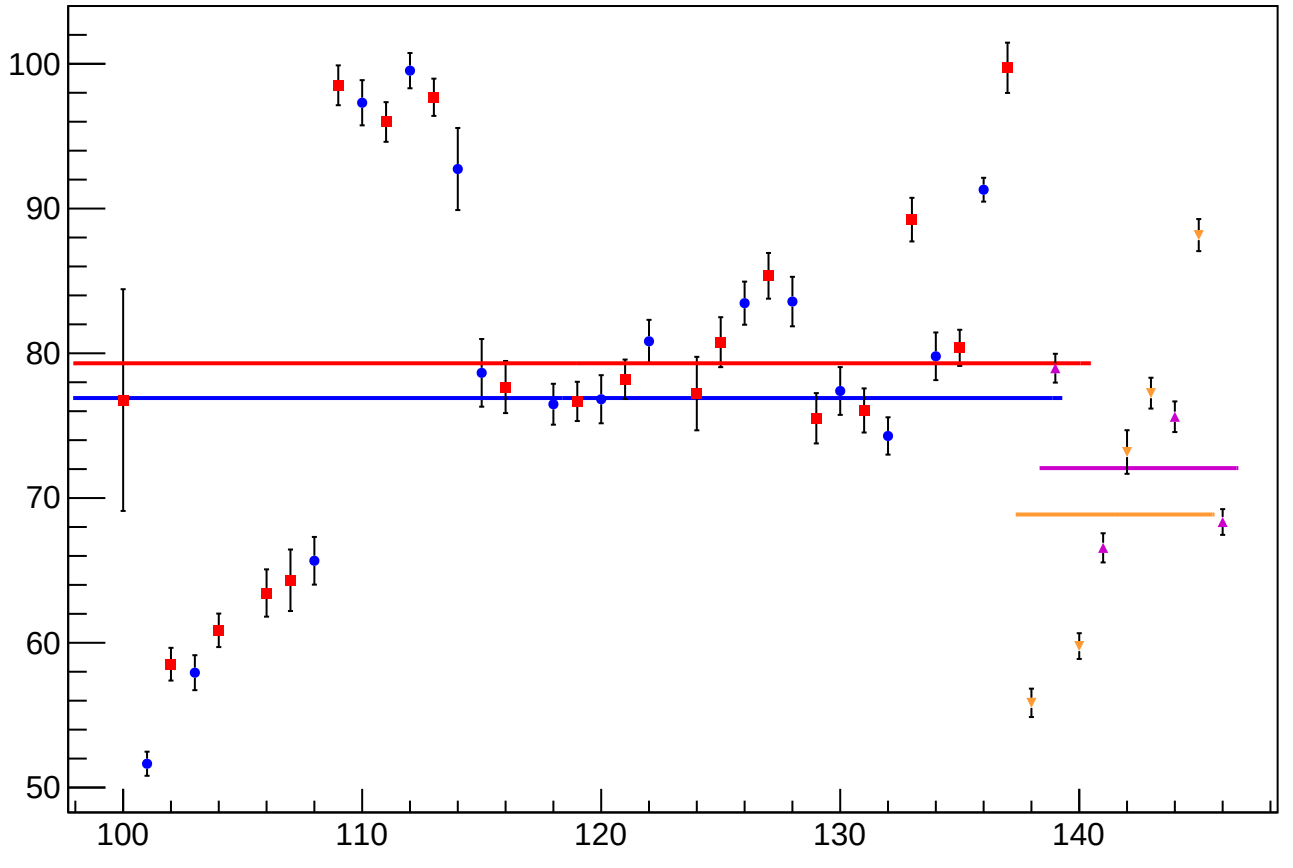
Left: 3.286+/-0.260 χ^2/NDF: 369.7/8

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 3.679+/-0.238 χ^2/NDF:317.3/19

Out: 5.223+/-0.245 χ^2/NDF:533.0/23

All: 4.426+/-0.171 χ^2/NDF: 870.8/43



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 68.863+/-0.475 χ^2/NDF:653.9/4

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 72.069+/-0.491 χ^2/NDF:106.7/3

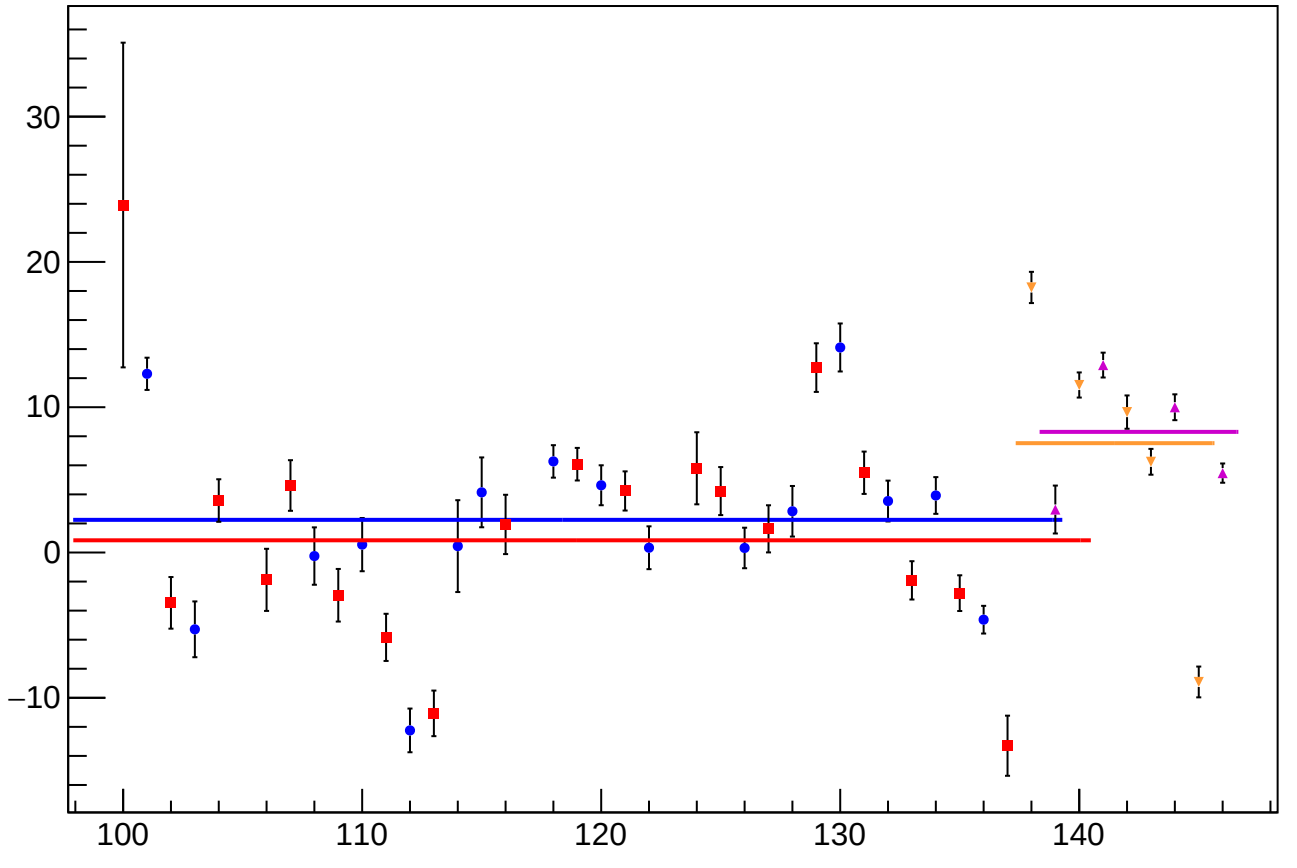
Left: 70.412+/-0.341 χ^2/NDF: 782.7/8

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

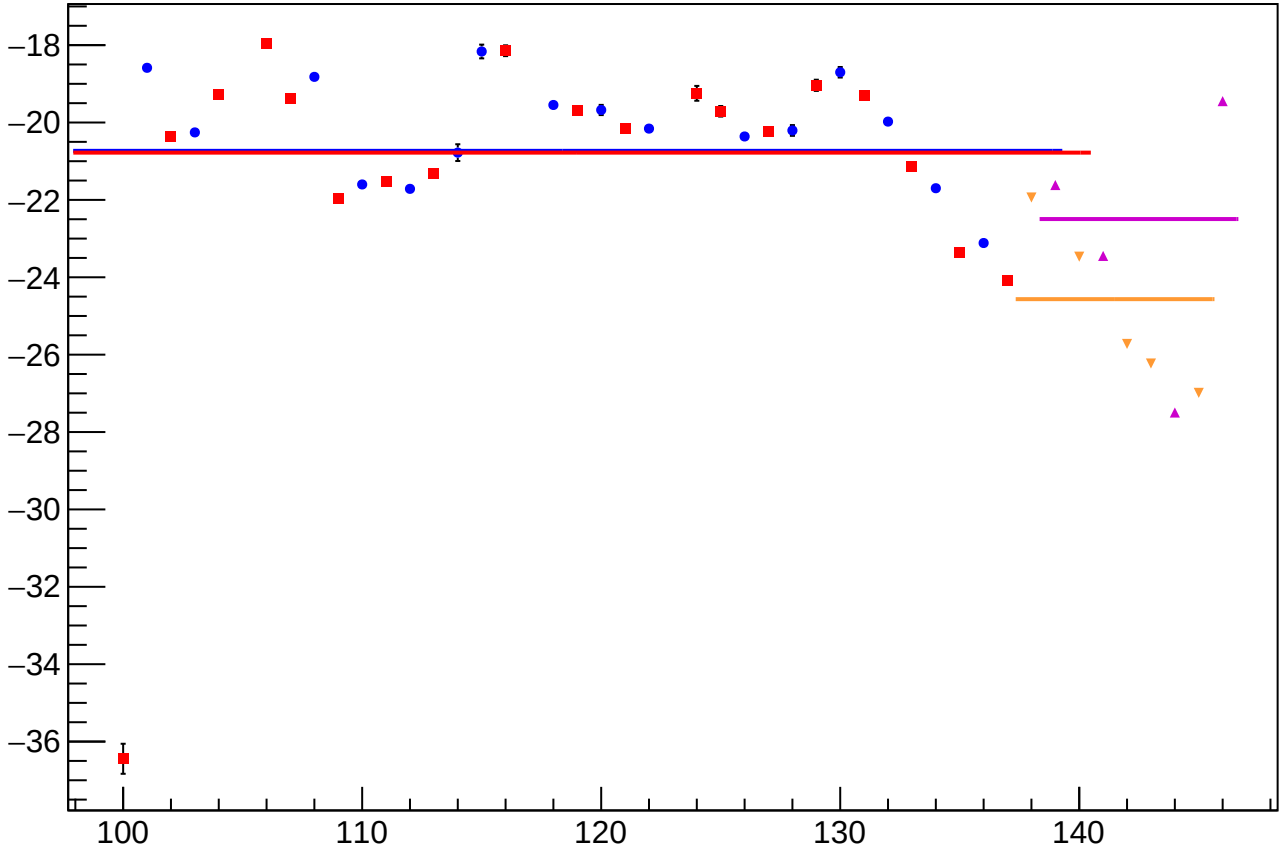
In: 75.360+/-0.278 χ^2/NDF:2288.8/19

Out: 75.660+/-0.281 χ^2/NDF:2465.5/23

All: 75.508+/-0.197 χ^2/NDF: 4754.9/43


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 7.525+/-0.442 χ²/NDF:367.0/4
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 8.303+/-0.435 χ²/NDF:61.4/3
Left: 7.920+/-0.310 χ²/NDF: 429.9/8
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 4.732+/-0.279 χ²/NDF:495.1/19
Out: 3.614+/-0.285 χ²/NDF:757.1/23
All: 4.184+/-0.199 χ²/NDF: 1260.1/43

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -24.565+/-0.020 χ^2/NDF:10072.5/4

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -22.495+/-0.020 χ^2/NDF:18613.5/3

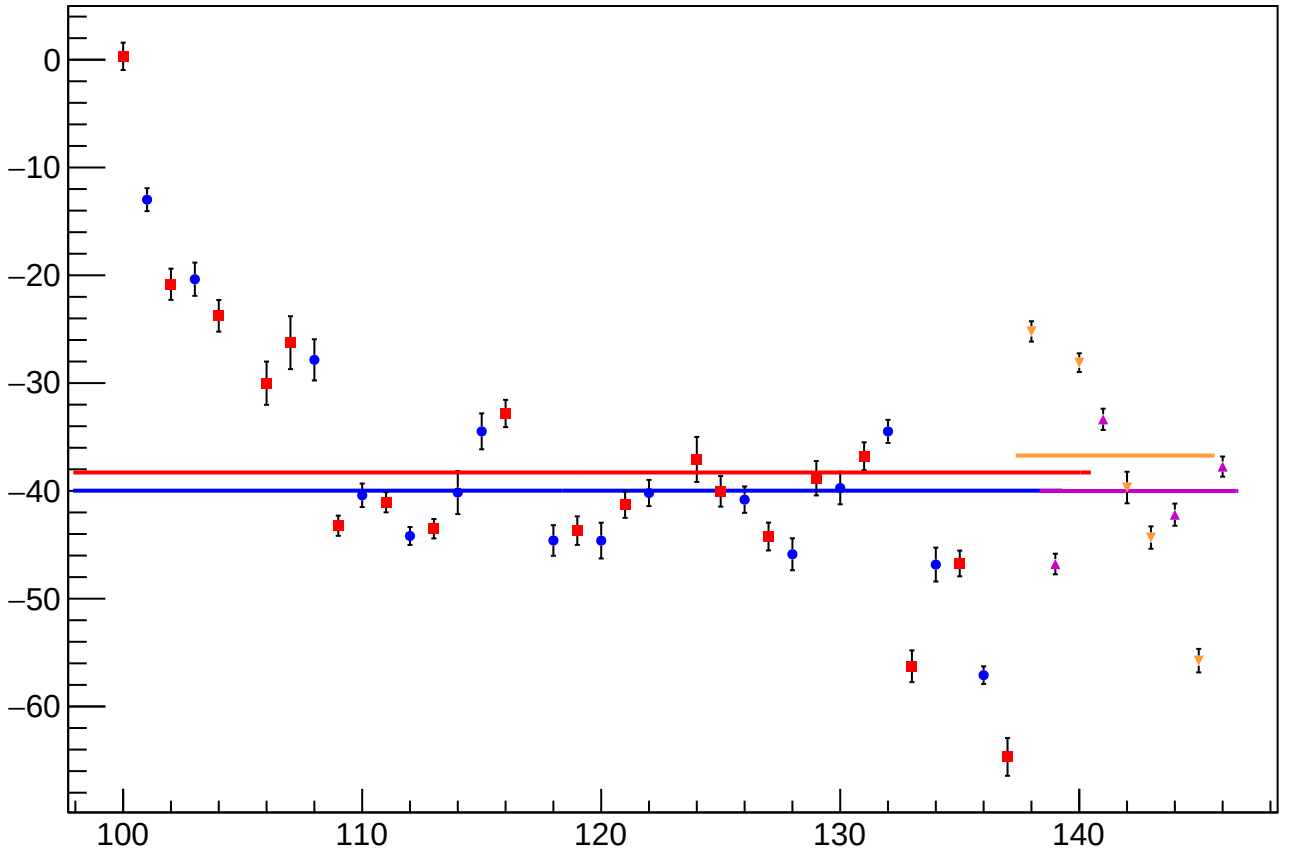
Left: -23.545+/-0.014 χ^2/NDF: 34138.3/8

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -21.590+/-0.014 χ^2/NDF:30252.0/19

Out: -22.719+/-0.014 χ^2/NDF:37534.2/23

All: -22.147+/-0.010 χ^2/NDF: 71039.0/43



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -36.723+/-0.462 χ^2/NDF:610.6/4

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -40.009+/-0.487 χ^2/NDF:106.2/3

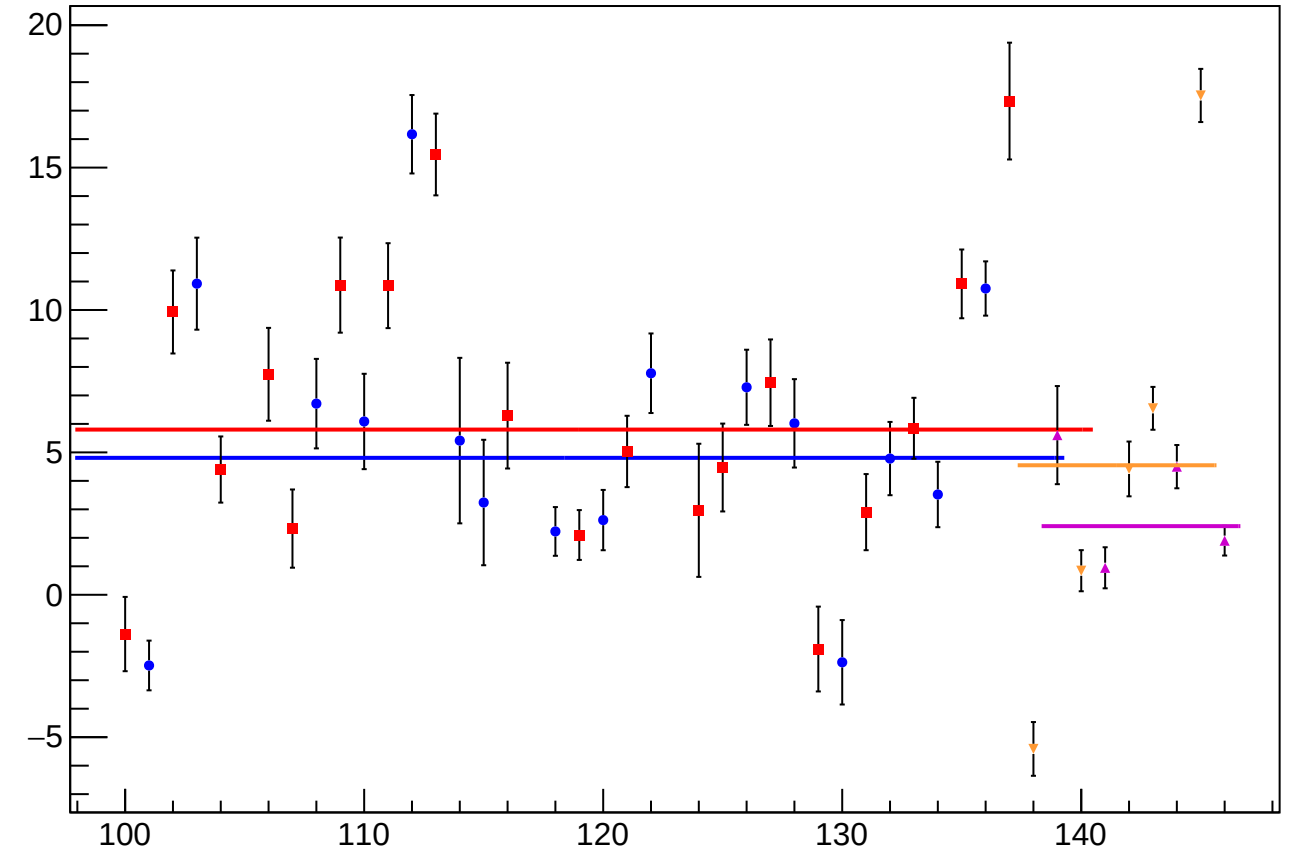
Left: -38.278+/-0.335 χ^2/NDF: 740.9/8

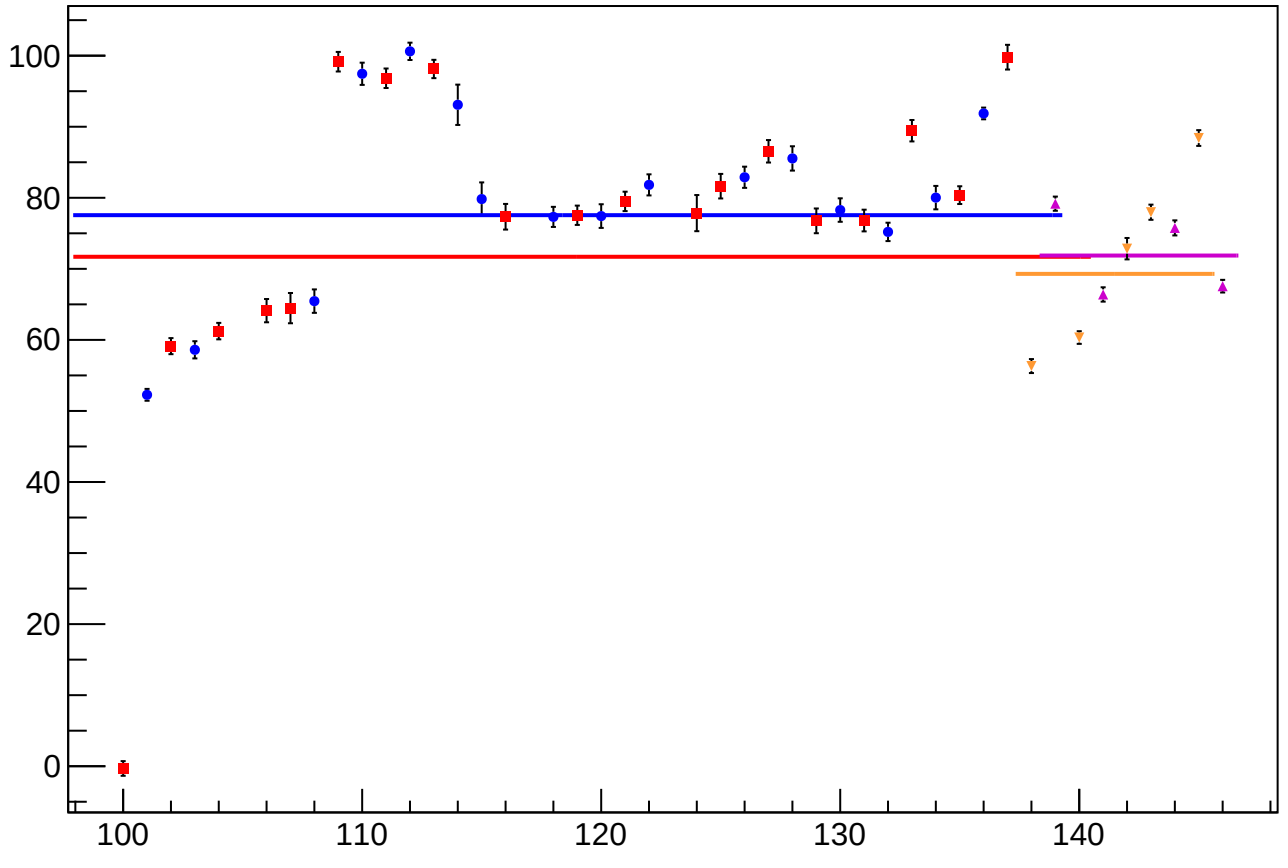
Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -39.988+/-0.262 χ^2/NDF:1504.7/19

Out: -37.830+/-0.251 χ^2/NDF:2392.6/23

All: -38.862+/-0.181 χ^2/NDF: 3932.6/43


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 4.548+/-0.377 χ²/NDF:338.3/4
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 2.410+/-0.361 χ²/NDF:16.1/3
Left: 3.433+/-0.261 χ²/NDF: 371.1/8
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 3.766+/-0.238 χ²/NDF:281.5/19
Out: 5.286+/-0.242 χ²/NDF:561.2/23
All: 4.514+/-0.170 χ²/NDF: 862.8/43



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 69.291+/-0.475 χ^2/NDF:643.7/4

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 71.872+/-0.492 χ^2/NDF:119.8/3

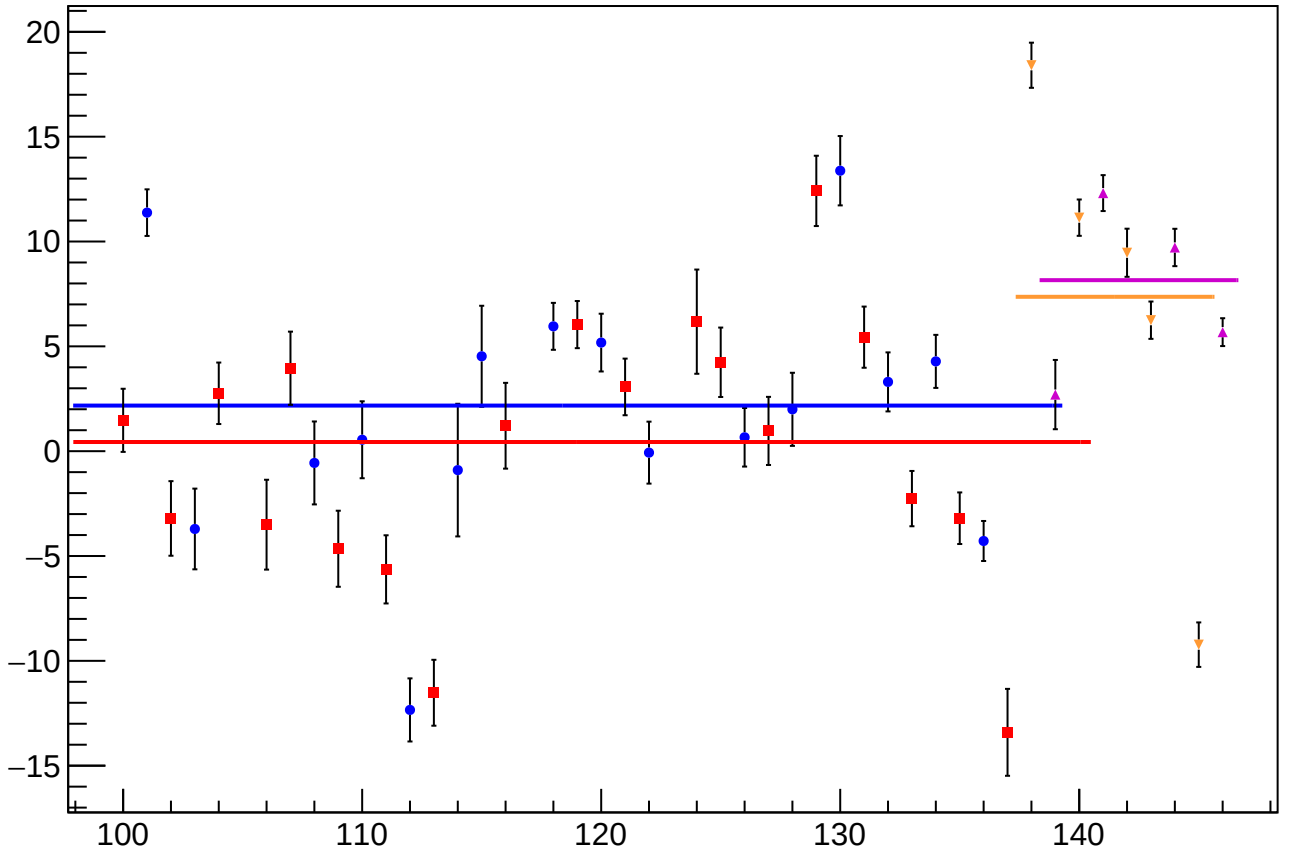
Left: 70.537+/-0.342 χ^2/NDF: 777.8/8

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 75.736+/-0.278 χ^2/NDF:2328.9/19

Out: 70.914+/-0.271 χ^2/NDF:7564.5/23

All: 73.265+/-0.194 χ^2/NDF: 10047.3/43



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 7.363+/-0.443 χ^2/NDF:373.7/4

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 8.157+/-0.436 χ^2/NDF:51.4/3

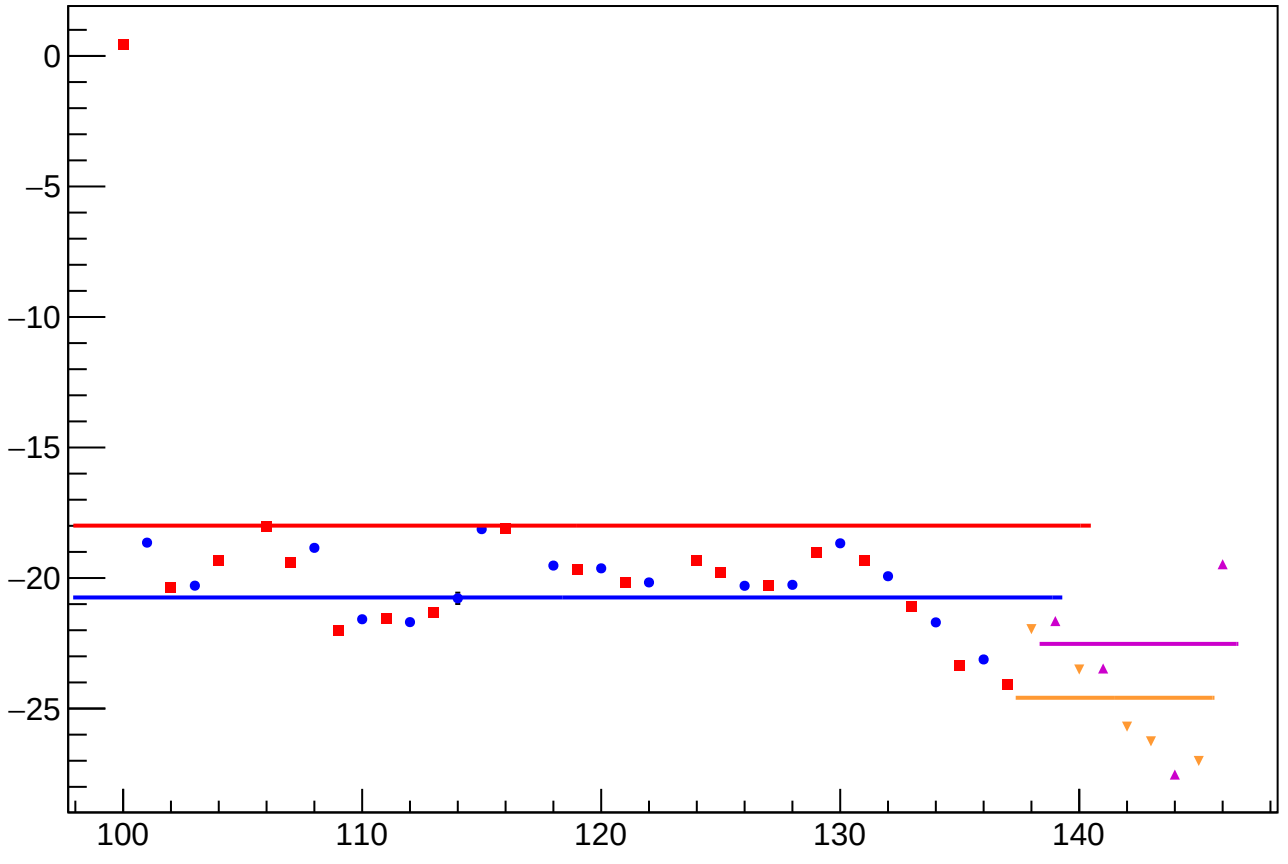
Left: 7.766+/-0.311 χ^2/NDF: 426.7/8

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 4.627+/-0.279 χ^2/NDF:452.7/19

Out: 3.213+/-0.280 χ^2/NDF:774.5/23

All: 3.922+/-0.198 χ^2/NDF: 1240.0/43



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -24.587+/-0.020 χ^2/NDF:10000.4/4

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -22.523+/-0.020 χ^2/NDF:18566.5/3

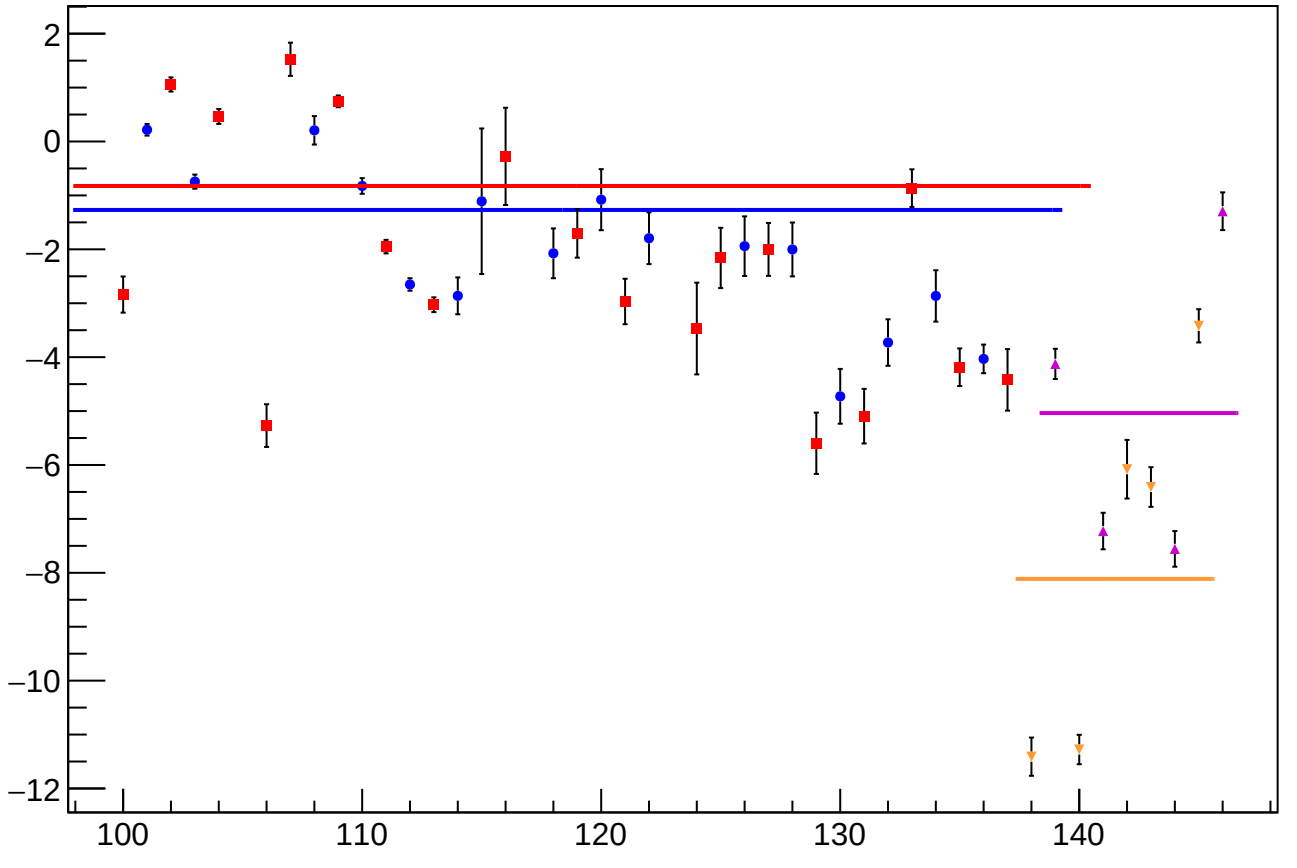
Left: -23.570+/-0.014 χ^2/NDF: 33966.8/8

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -21.609+/-0.014 χ^2/NDF:30142.7/19

Out: -21.146+/-0.014 χ^2/NDF:218917.8/23

All: -21.372+/-0.010 χ^2/NDF: 249623.9/43



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -8.113+/-0.153 χ^2/NDF:488.1/4

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.037+/-0.161 χ^2/NDF:224.8/3

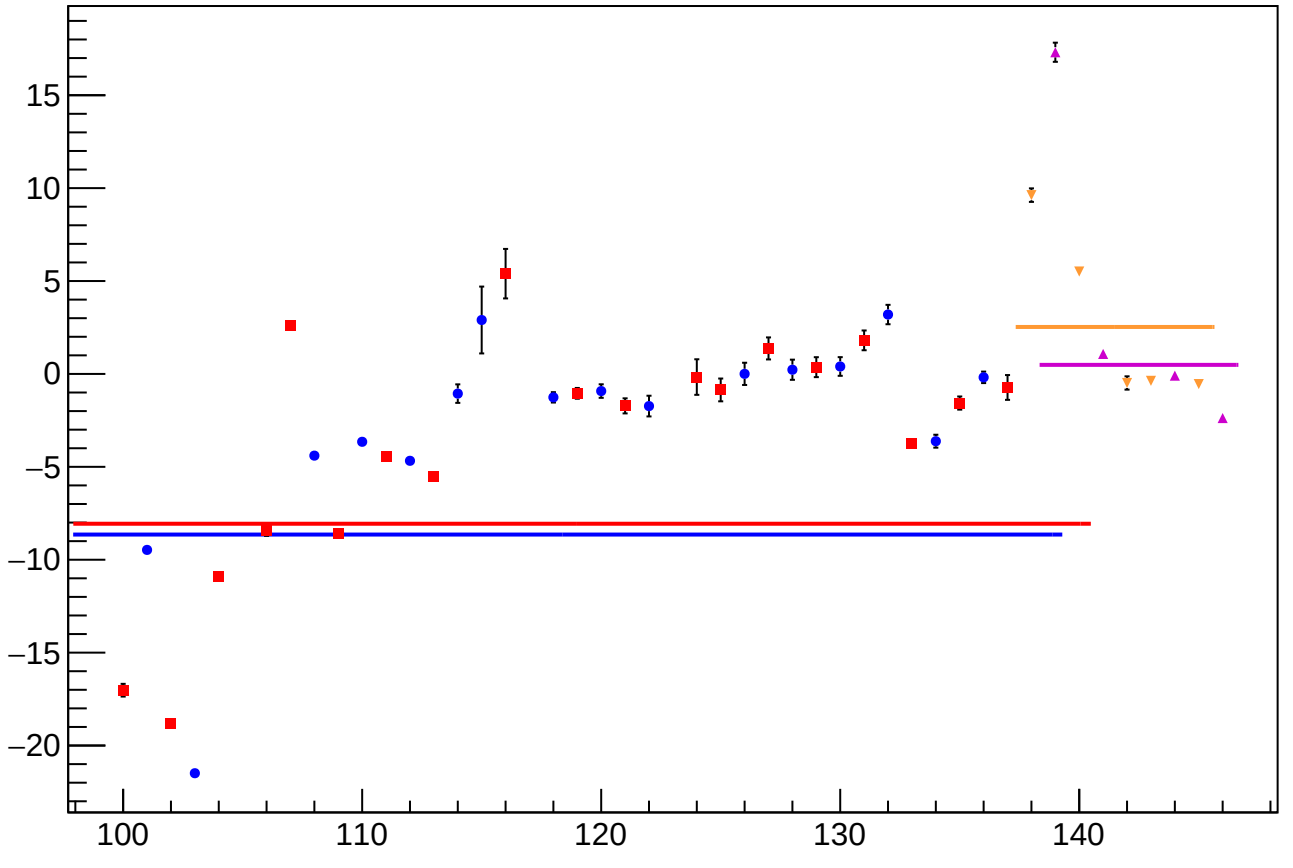
Left: -6.649+/-0.111 χ^2/NDF: 905.0/8

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.659+/-0.052 χ^2/NDF:1334.2/19

Out: -1.554+/-0.048 χ^2/NDF:3912.3/23

All: -1.603+/-0.035 χ^2/NDF: 5248.7/43



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 2.528+/-0.126 χ^2/NDF:879.8/4

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.488+/-0.131 χ^2/NDF:1258.8/3

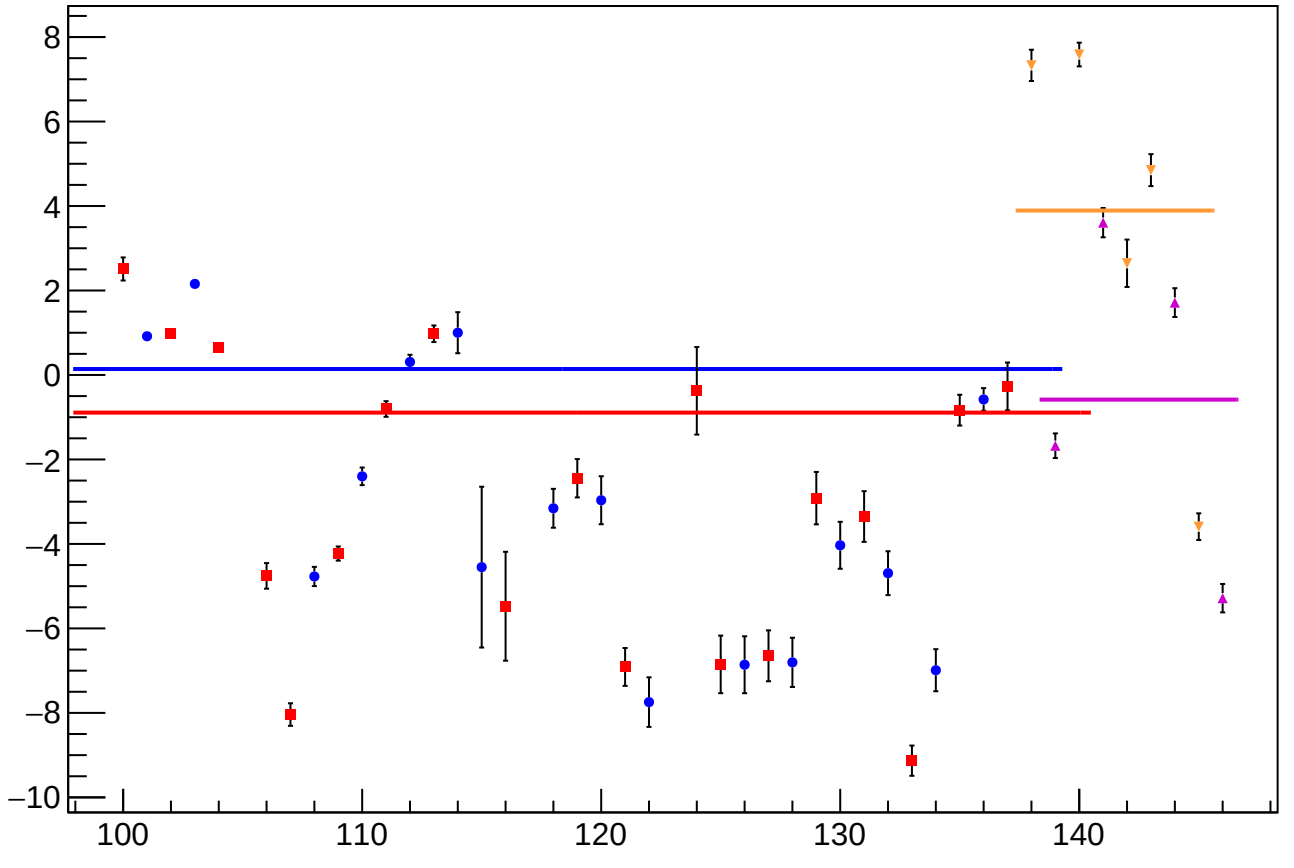
Left: 1.547+/-0.091 χ^2/NDF: 2265.4/8

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -7.186+/-0.052 χ^2/NDF:19197.1/19

Out: -6.228+/-0.052 χ^2/NDF:21184.7/23

All: -6.708+/-0.037 χ^2/NDF: 40549.9/43



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 3.893+/-0.158 χ^2/NDF:830.2/4

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: -0.583+/-0.163 χ^2/NDF:400.6/3

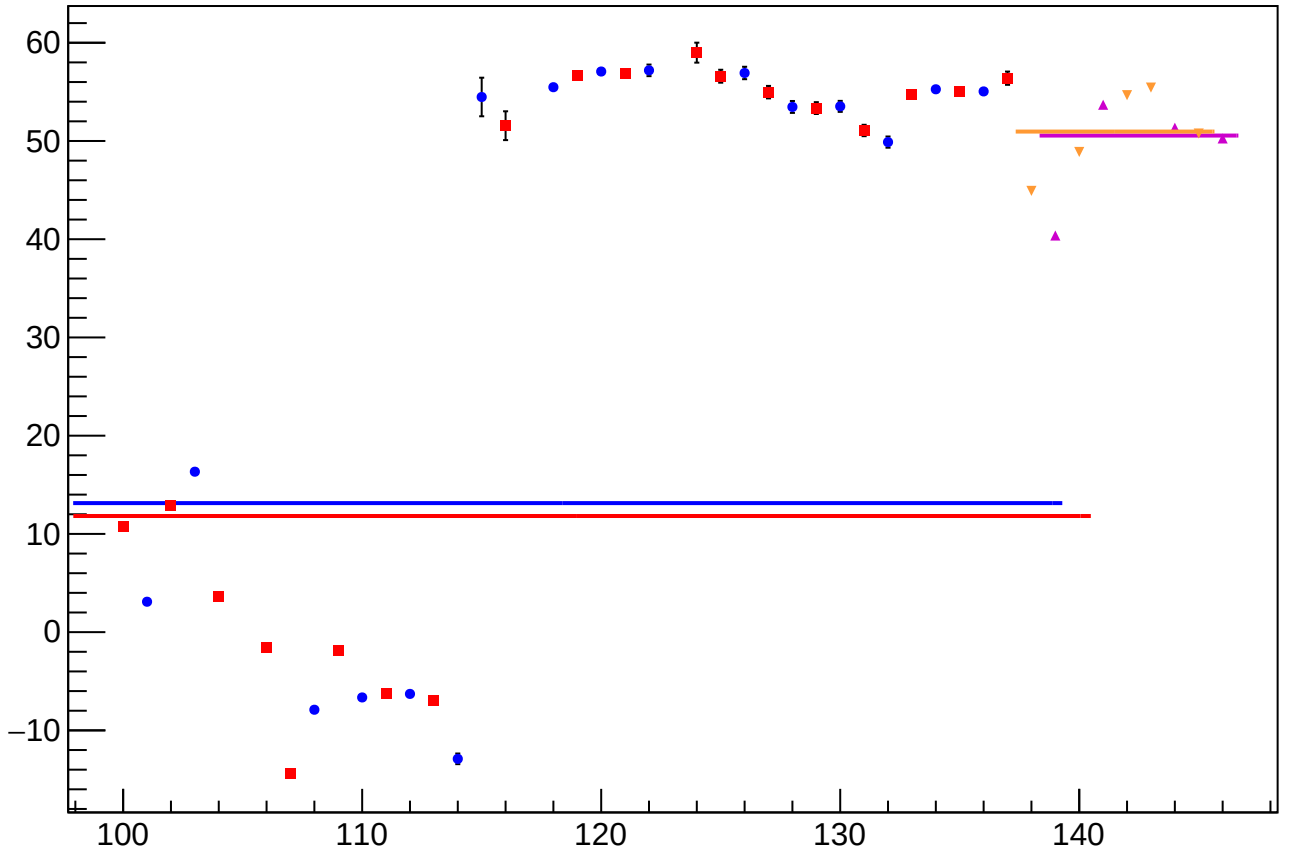
Left: 1.731+/-0.113 χ^2/NDF: 1619.3/8

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.072+/-0.050 χ^2/NDF:2378.1/19

Out: -0.396+/-0.051 χ^2/NDF:4639.7/23

All: -0.160+/-0.036 χ^2/NDF: 7060.8/43



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.958+/-0.147 χ^2/NDF:549.2/4

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.552+/-0.154 χ^2/NDF:544.8/3

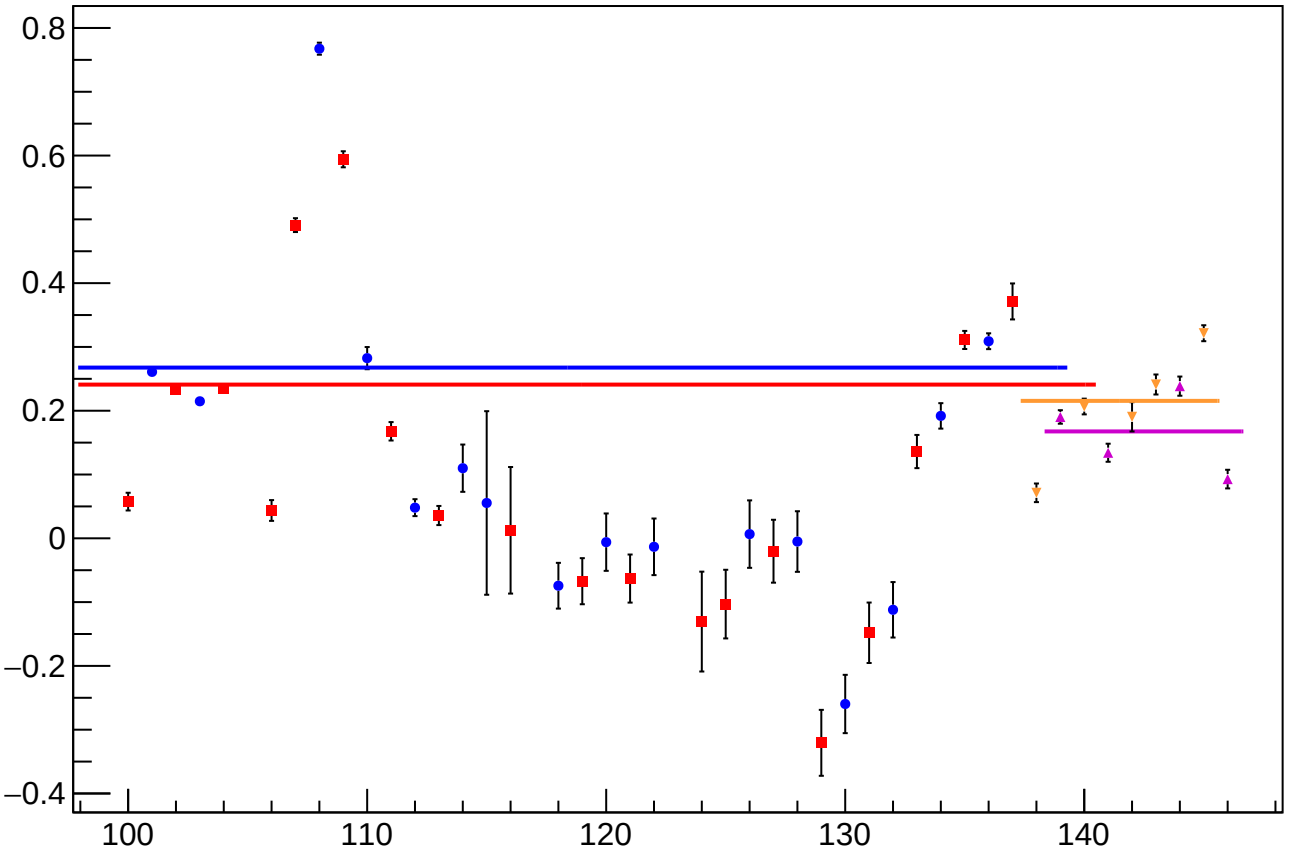
Left: 50.764+/-0.106 χ^2/NDF: 1097.7/8

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 19.238+/-0.062 χ^2/NDF:158580.2/19

Out: 18.685+/-0.062 χ^2/NDF:177058.4/23

All: 18.959+/-0.044 χ^2/NDF: 335678.6/43



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.215+/-0.007 χ^2/NDF:173.9/4

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.168+/-0.007 χ^2/NDF:58.7/3

Left: 0.192+/-0.005 χ^2/NDF: 259.3/8

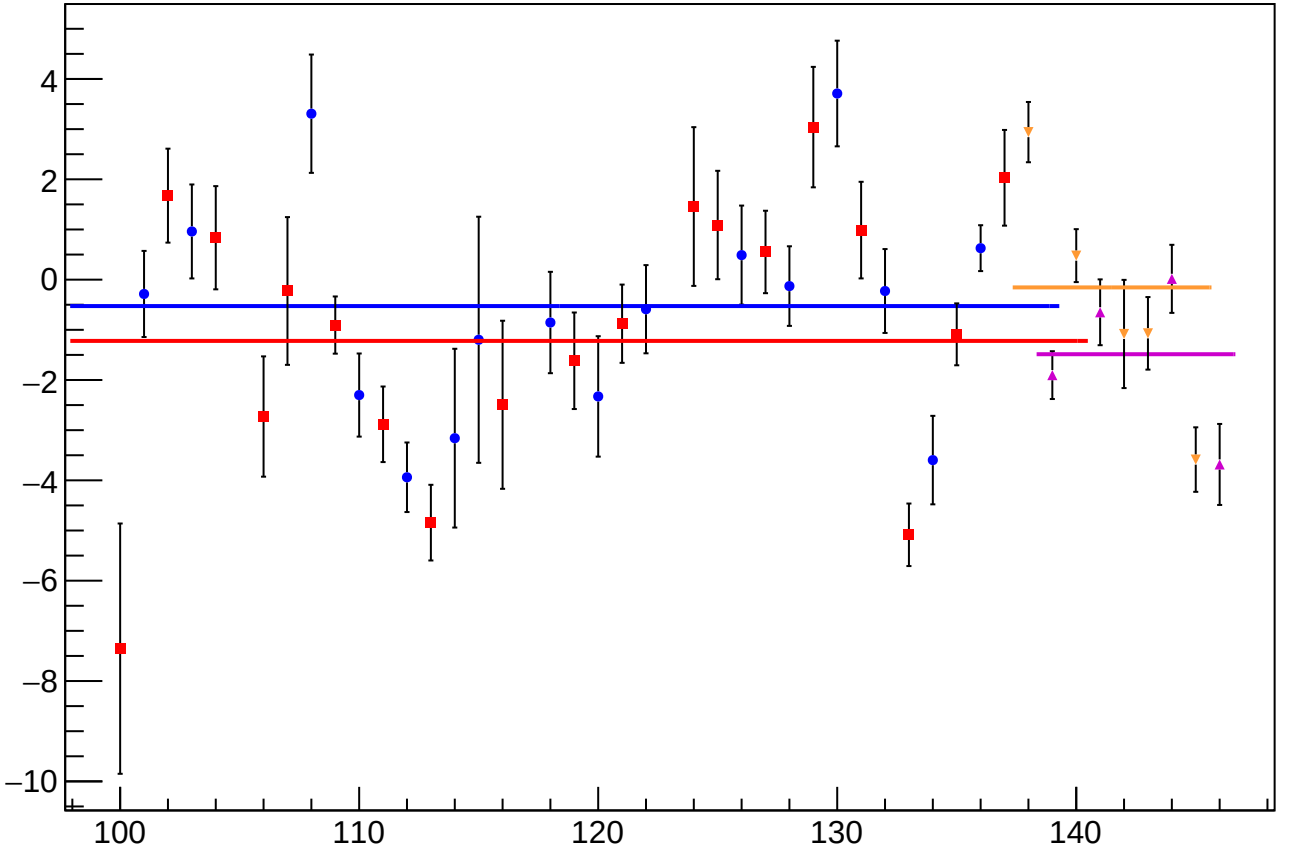
Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.252+/-0.003 χ^2/NDF:3974.5/19

Out: 0.237+/-0.003 χ^2/NDF:2526.1/23

All: 0.245+/-0.002 χ^2/NDF: 6518.6/43

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.155+/-0.294 χ^2/NDF:58.8/4

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.486+/-0.309 χ^2/NDF:14.7/3

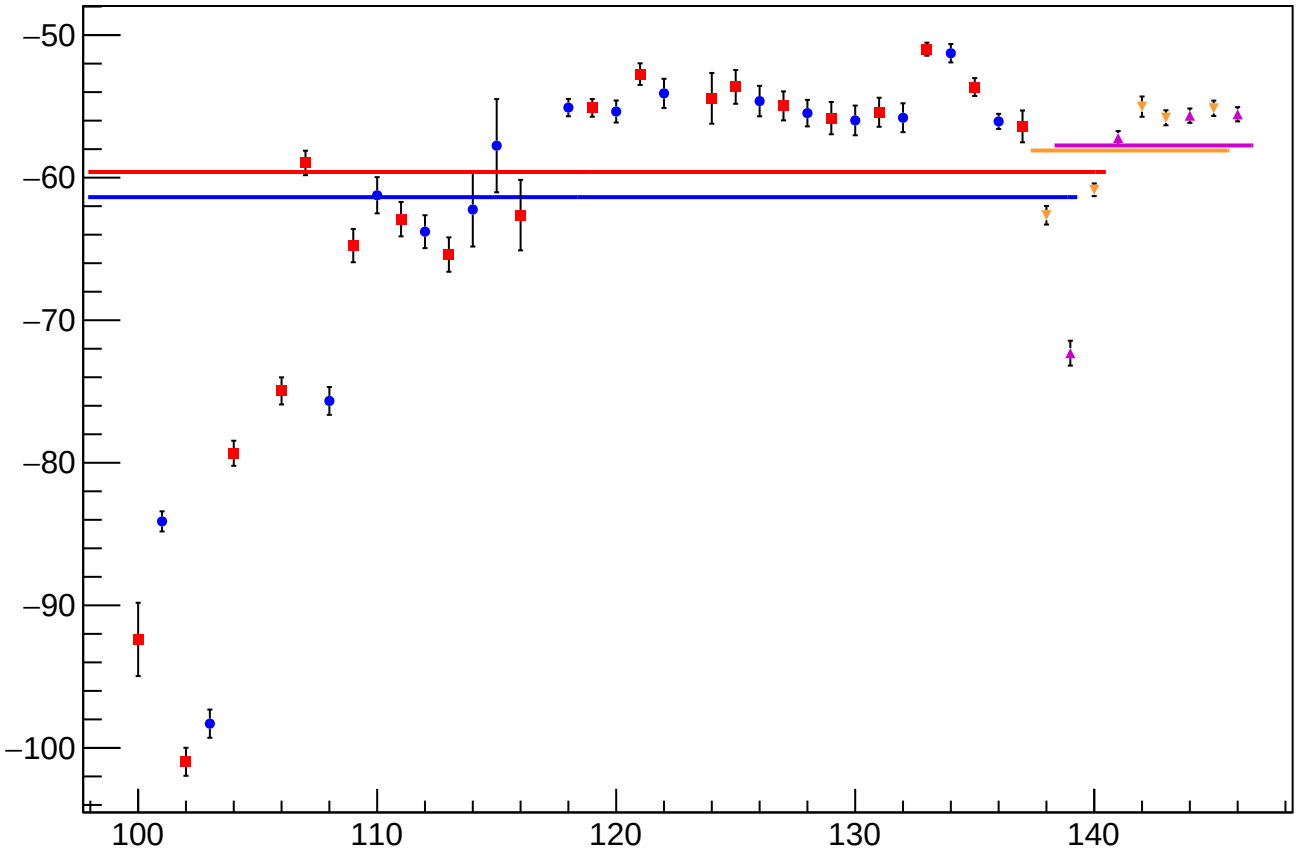
Left: -0.787+/-0.213 χ^2/NDF: 83.3/8

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.843+/-0.178 χ^2/NDF:103.9/19

Out: -0.873+/-0.168 χ^2/NDF:198.6/23

All: -0.859+/-0.122 χ^2/NDF: 302.5/43



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -58.095+/-0.247 χ^2/NDF:153.8/4

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -57.742+/-0.272 χ^2/NDF:317.2/3

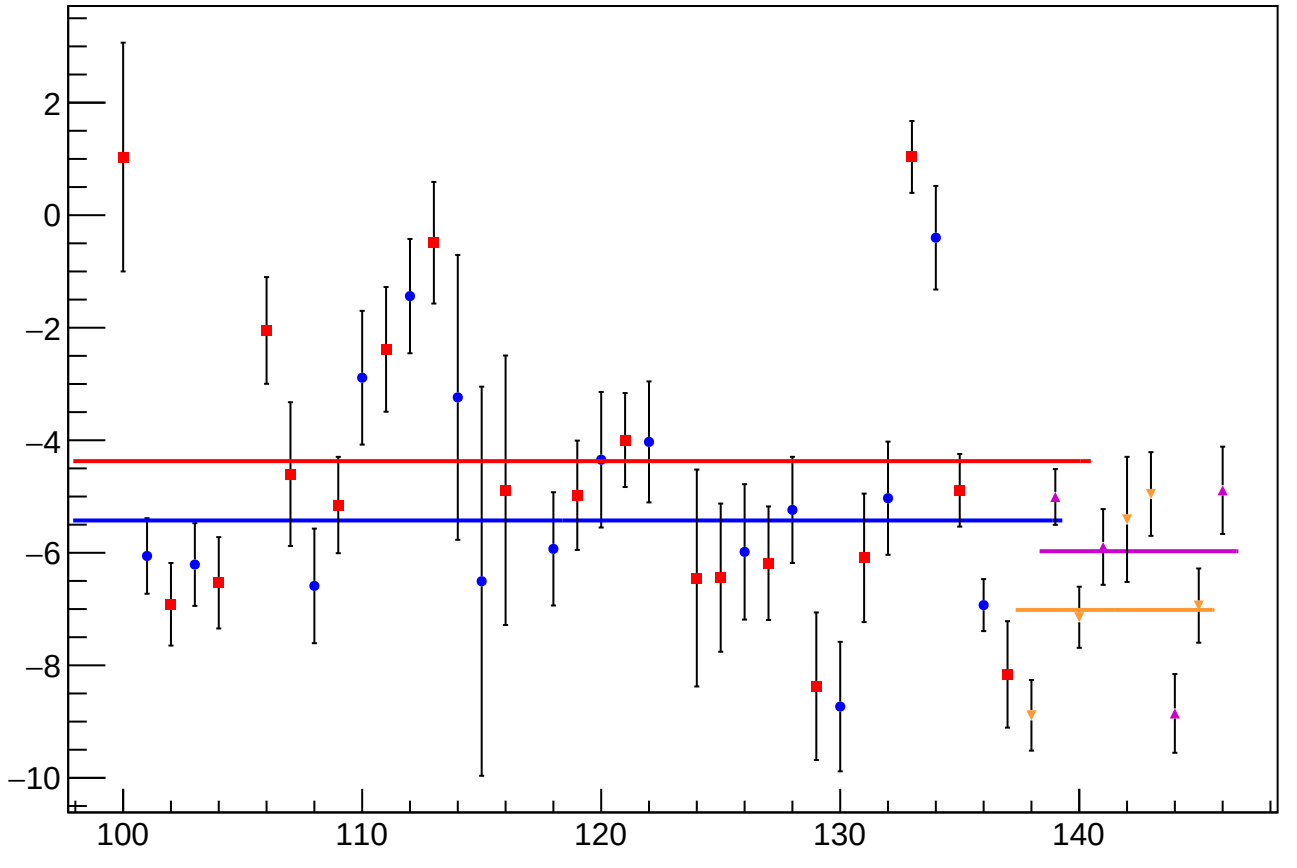
Left: -57.935+/-0.183 χ^2/NDF: 472.0/8

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -59.941+/-0.171 χ^2/NDF:3776.2/19

Out: -58.982+/-0.159 χ^2/NDF:3597.0/23

All: -59.427+/-0.116 χ^2/NDF: 7390.1/43



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.015+/-0.304 χ^2/NDF:18.7/4

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -5.972+/-0.316 χ^2/NDF:22.7/3

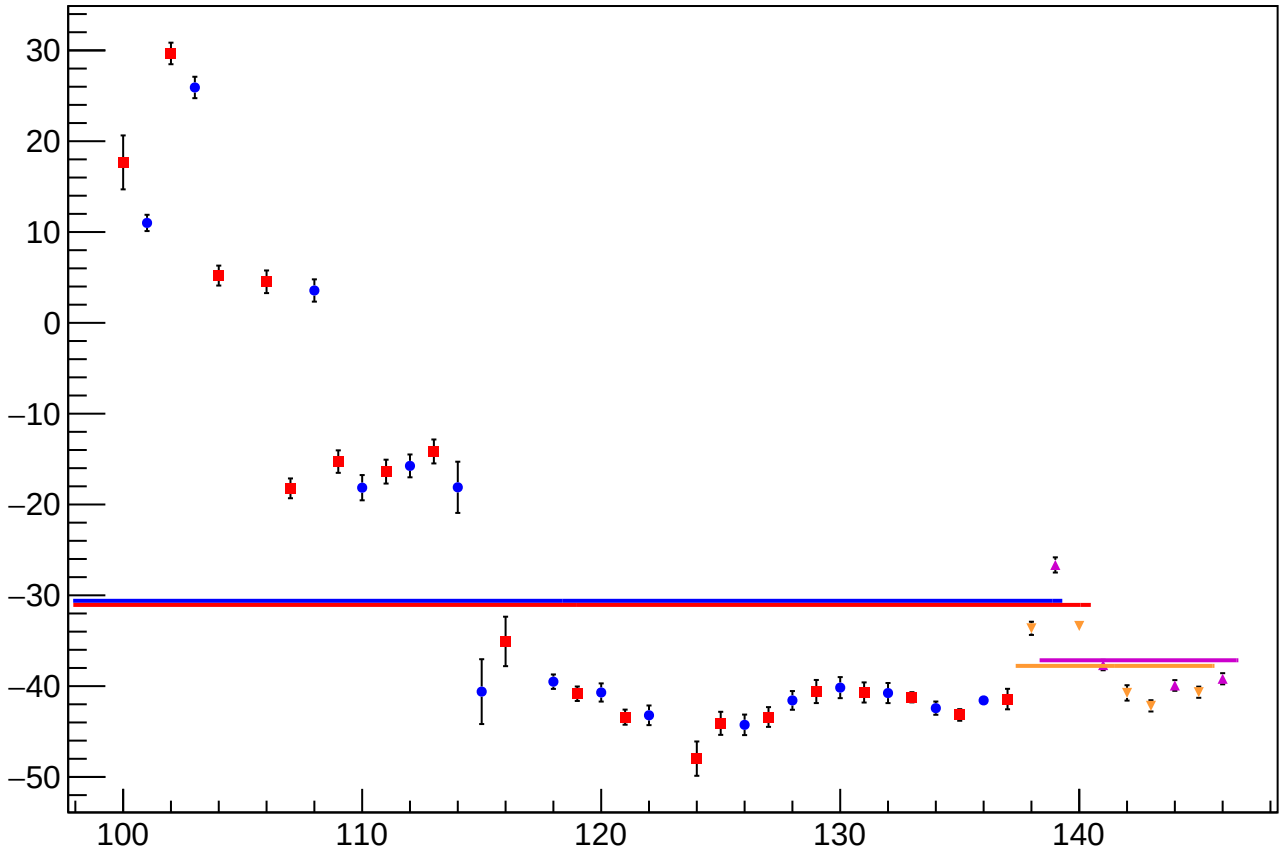
Left: -6.515+/-0.219 χ^2/NDF: 47.2/8

Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.614+/-0.186 χ^2/NDF:100.6/19

Out: -5.295+/-0.179 χ^2/NDF:224.7/23

All: -5.449+/-0.129 χ^2/NDF: 326.9/43



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -37.770+/-0.288 χ^2/NDF:184.7/4

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -37.152+/-0.316 χ^2/NDF:191.5/3

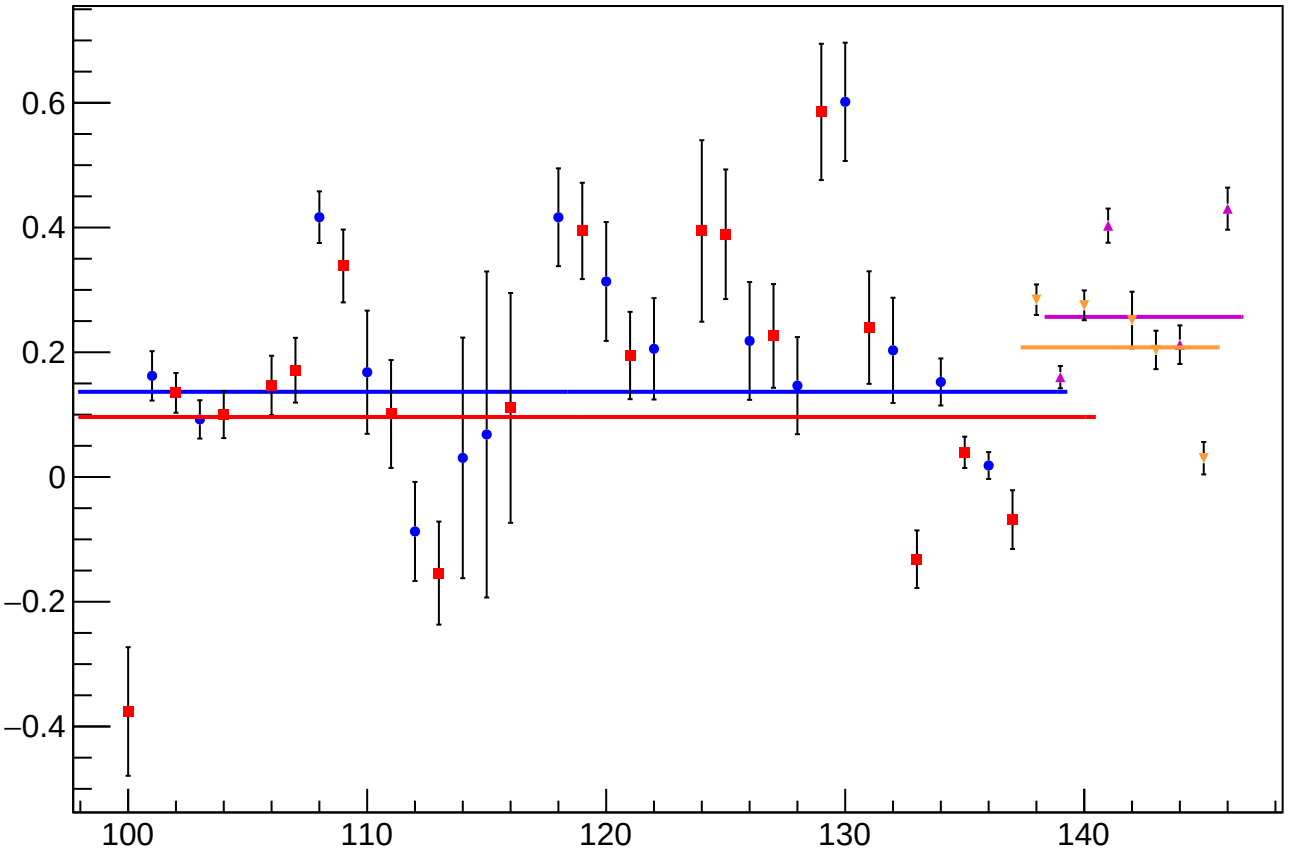
Left: -37.489+/-0.213 χ^2/NDF: 378.2/8

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -33.118+/-0.196 χ^2/NDF:7394.1/19

Out: -33.772+/-0.183 χ^2/NDF:7483.7/23

All: -33.466+/-0.134 χ^2/NDF: 14883.7/43



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.208+/-0.012 χ^2/NDF:65.3/4

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.257+/-0.013 χ^2/NDF:86.0/3

Left: 0.232+/-0.009 χ^2/NDF: 158.9/8

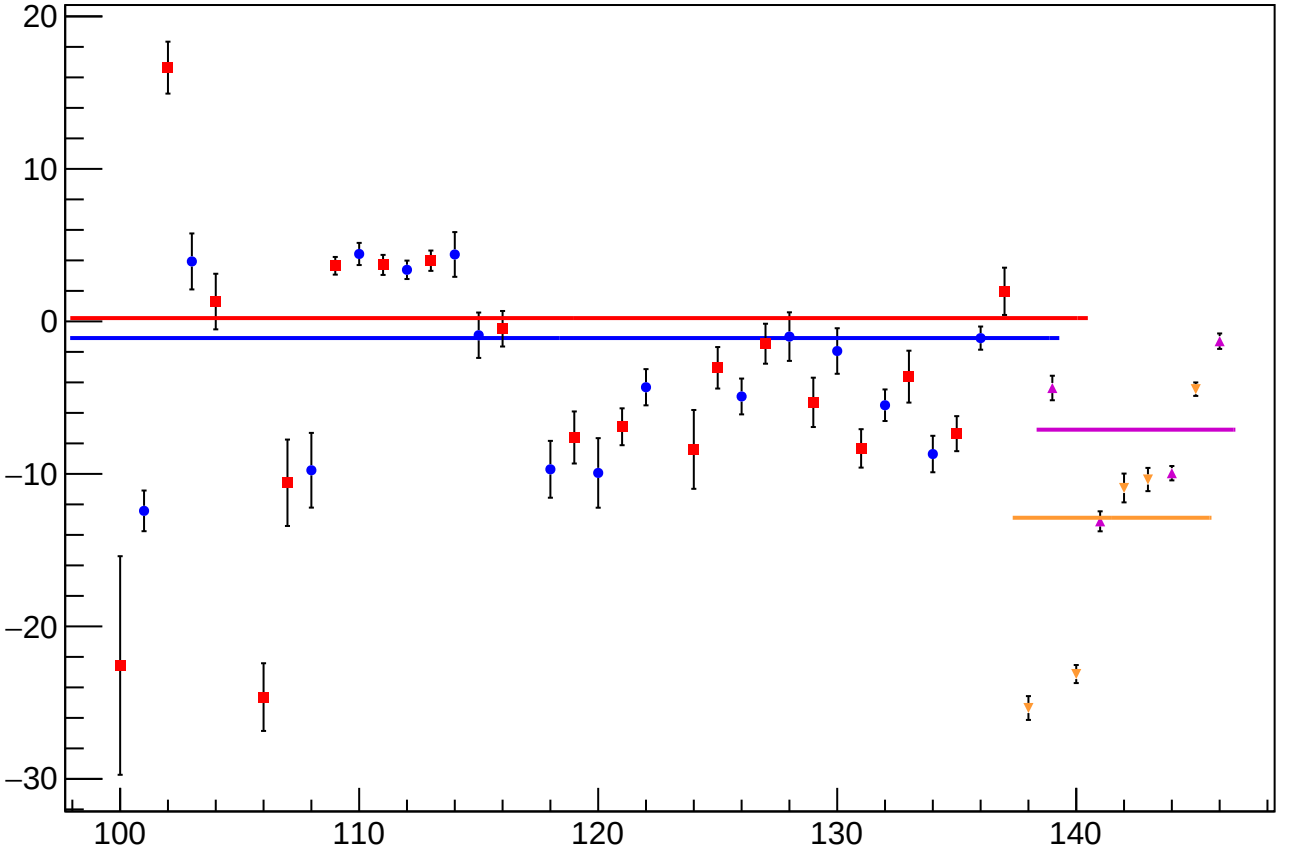
Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.197+/-0.009 χ^2/NDF:261.3/19

Out: 0.152+/-0.009 χ^2/NDF:253.5/23

All: 0.174+/-0.006 χ^2/NDF: 527.8/43

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.876+/-0.283 χ^2/NDF:933.9/4

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -7.101+/-0.285 χ^2/NDF:263.4/3

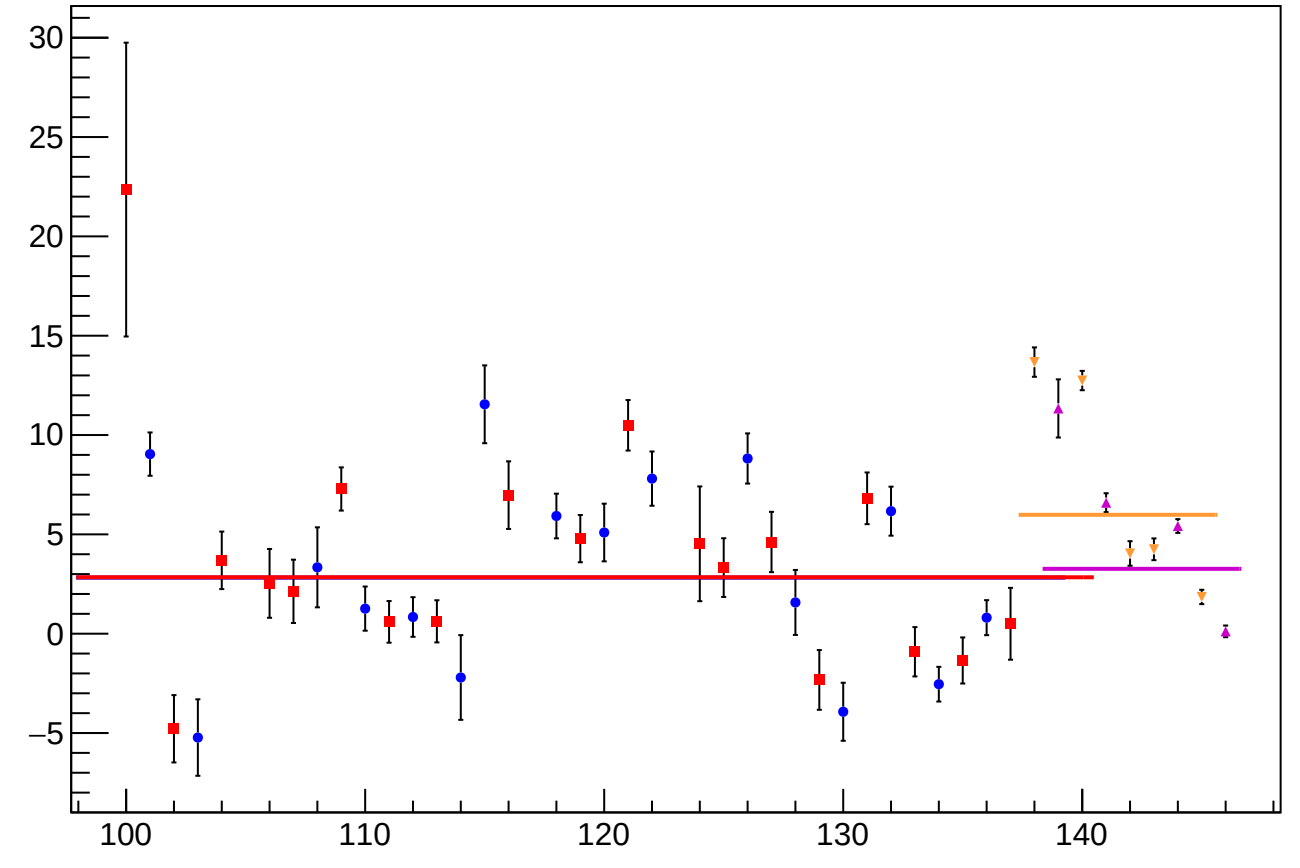
Left: -10.010+/-0.201 χ^2/NDF: 1403.5/8

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -4.045+/-0.200 χ^2/NDF:820.7/19

Out: -5.922+/-0.194 χ^2/NDF:2588.9/23

All: -5.012+/-0.139 χ^2/NDF: 3455.0/43



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 5.984+/-0.225 χ^2/NDF:452.2/4

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 3.266+/-0.201 χ^2/NDF:232.6/3

Left: 4.470+/-0.150 χ^2/NDF: 765.7/8

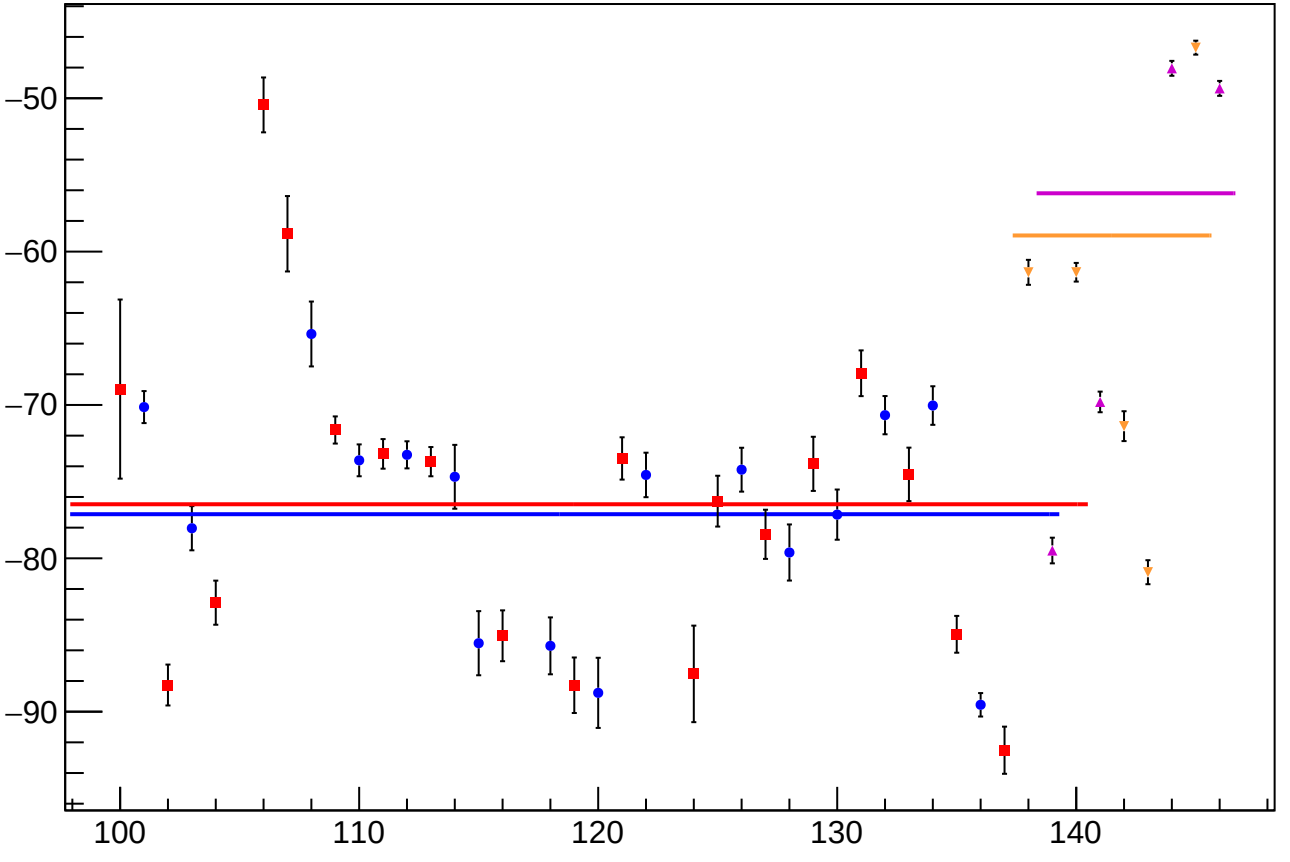
Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 3.137+/-0.169 χ^2/NDF:433.5/19

Out: 4.951+/-0.185 χ^2/NDF:661.0/23

All: 3.965+/-0.125 χ^2/NDF: 1147.0/43

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -58.947+/-0.292 χ^2/NDF:1695.8/4

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -56.197+/-0.288 χ^2/NDF:1662.3/3

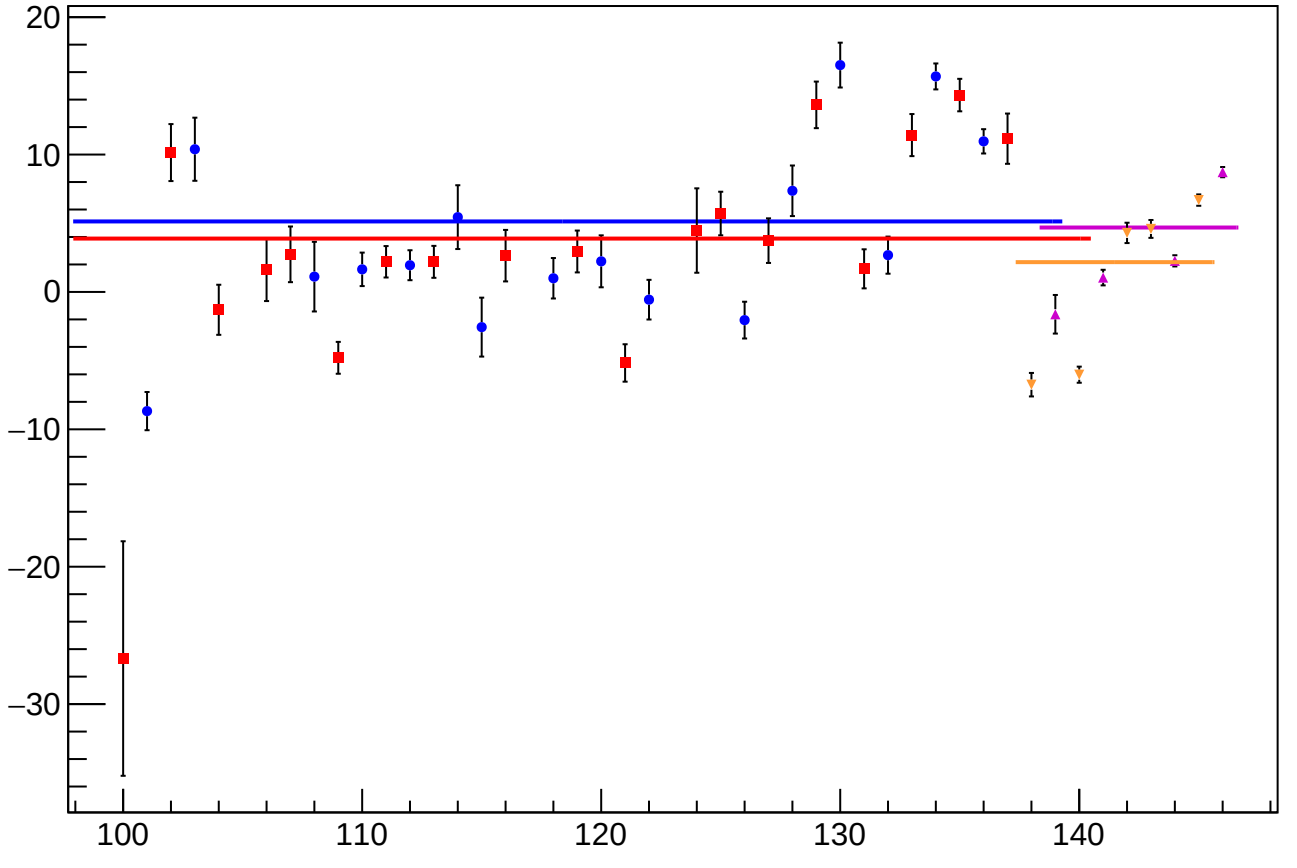
Left: -57.551+/-0.205 χ^2/NDF: 3403.0/8

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -65.349+/-0.216 χ^2/NDF:4479.9/19

Out: -66.691+/-0.218 χ^2/NDF:3980.8/23

All: -66.012+/-0.153 χ^2/NDF: 8479.9/43



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 2.169+/-0.264 χ^2/NDF:445.3/4

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 4.689+/-0.243 χ^2/NDF:214.3/3

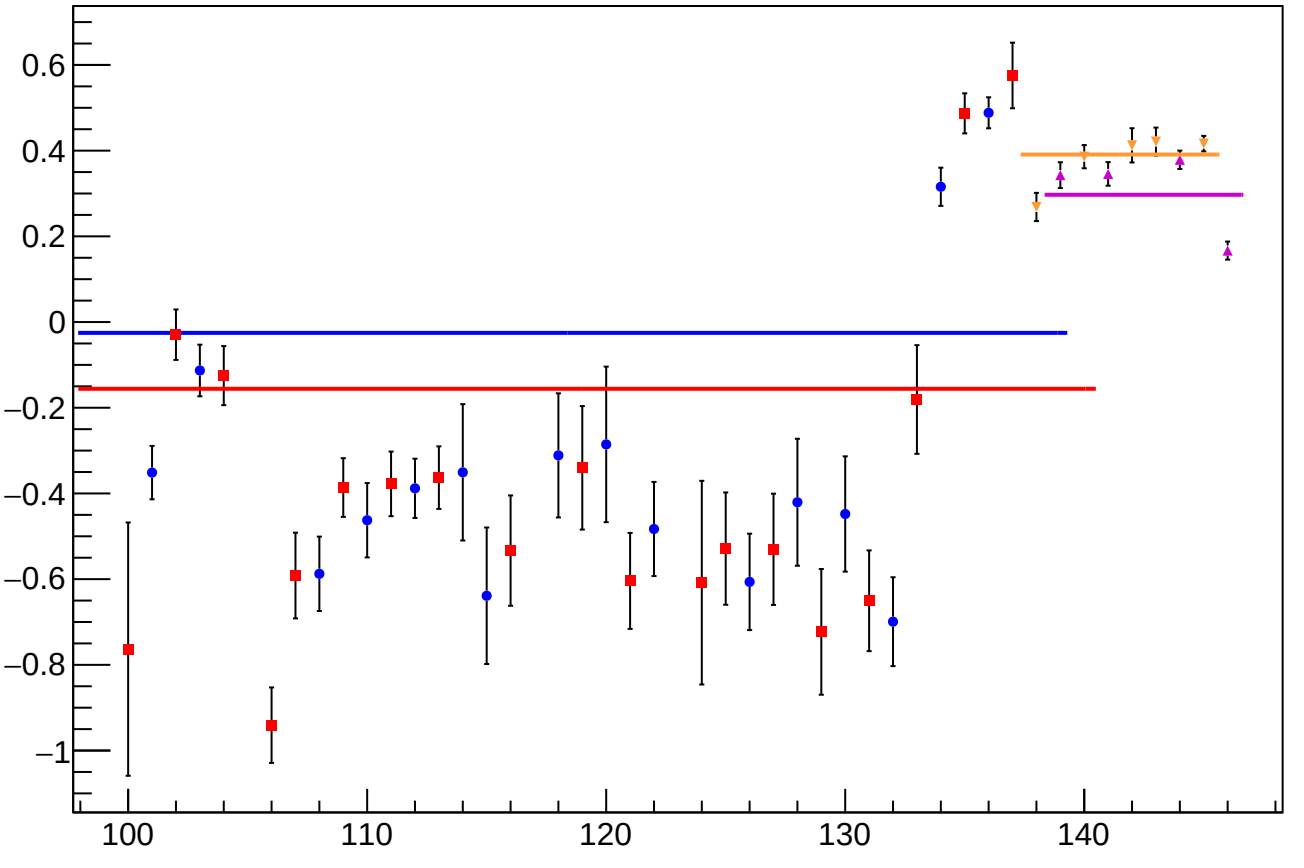
Left: 3.532+/-0.179 χ^2/NDF: 708.8/8

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 4.833+/-0.200 χ^2/NDF:627.8/19

Out: 2.767+/-0.213 χ^2/NDF:751.5/23

All: 3.868+/-0.146 χ^2/NDF: 1429.2/43



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.391+/-0.012 χ^2/NDF:17.0/4

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.297+/-0.012 χ^2/NDF:58.0/3

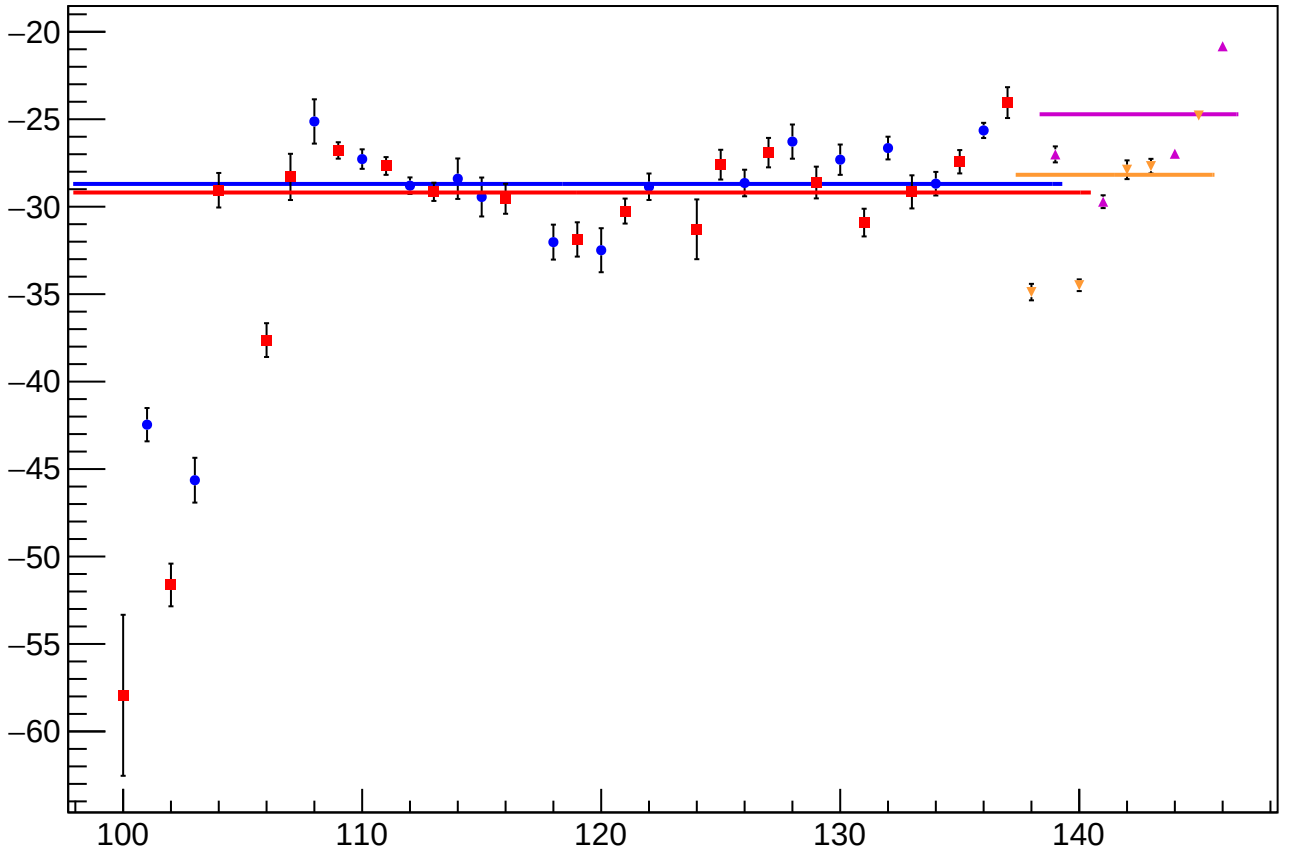
Left: 0.344+/-0.009 χ^2/NDF: 105.3/8

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.204+/-0.010 χ^2/NDF:776.2/19

Out: 0.248+/-0.010 χ^2/NDF:1052.0/23

All: 0.226+/-0.007 χ^2/NDF: 1837.4/43



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.176+/-0.146 χ^2/NDF:839.7/4

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -24.716+/-0.135 χ^2/NDF:664.4/3

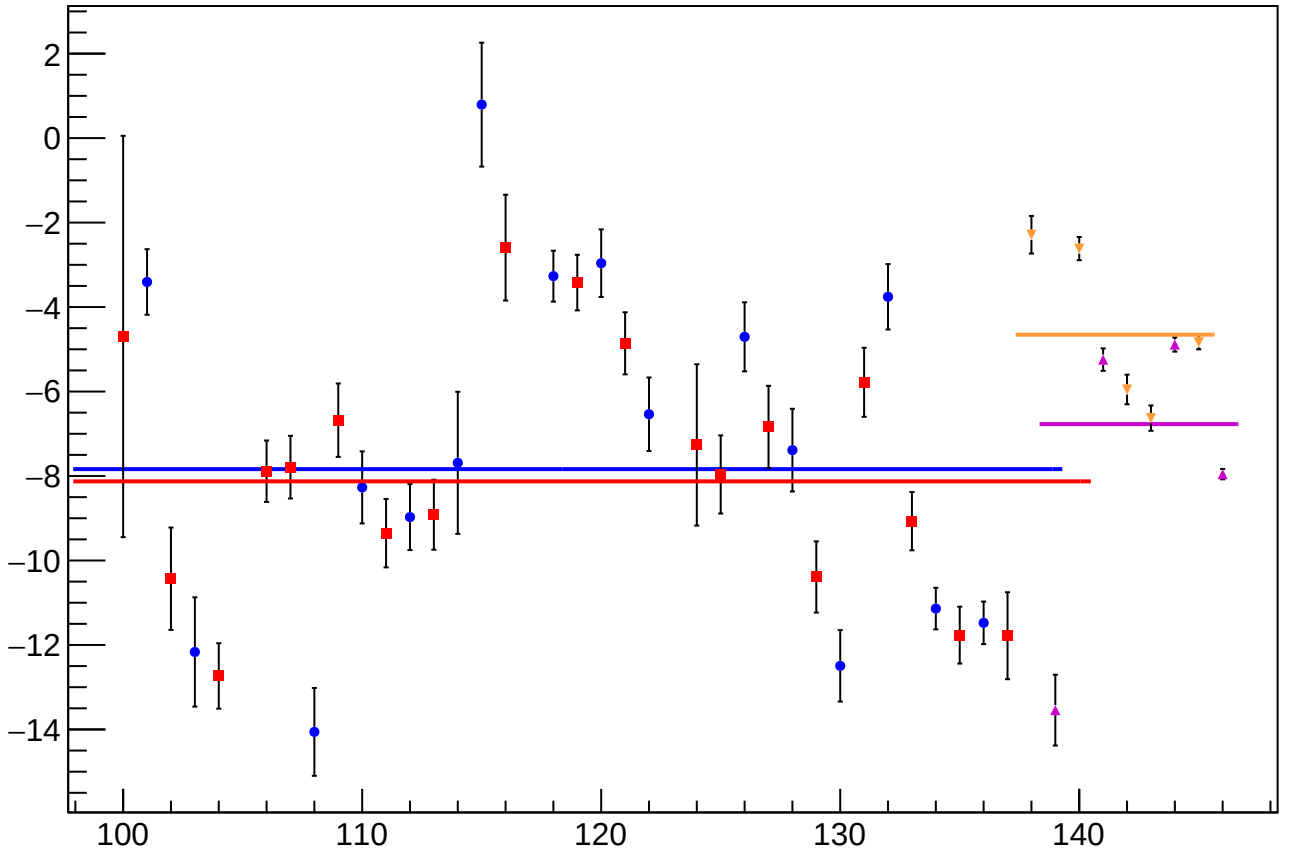
Left: -26.311+/-0.099 χ^2/NDF: 1807.6/8

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.089+/-0.109 χ^2/NDF:1452.5/19

Out: -28.574+/-0.114 χ^2/NDF:1416.0/23

All: -27.282+/-0.079 χ^2/NDF: 3117.3/43



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -4.654+/-0.117 χ^2/NDF:141.3/4

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.771+/-0.092 χ^2/NDF:316.6/3

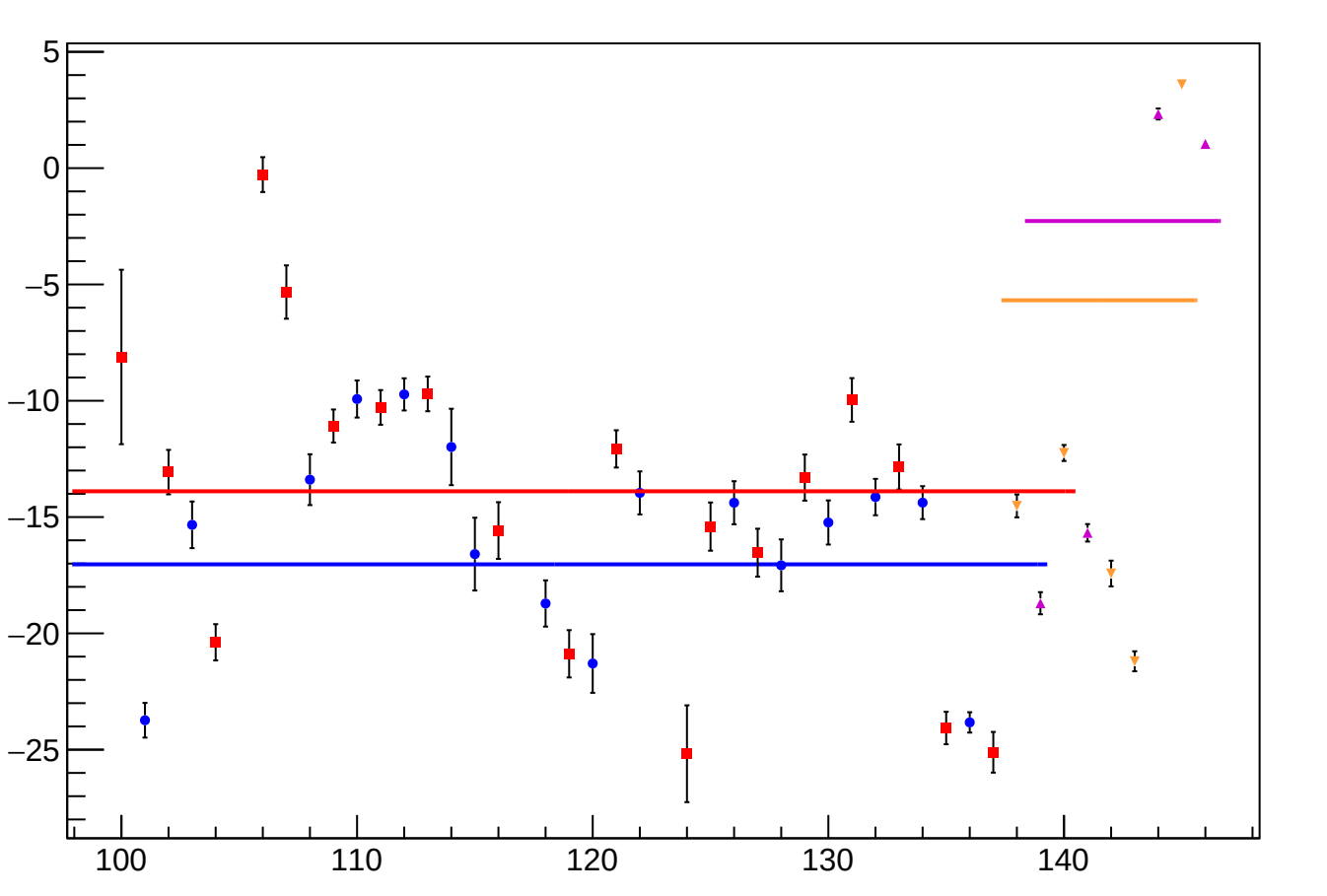
Left: -5.957+/-0.072 χ^2/NDF: 659.8/8

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.966+/-0.083 χ^2/NDF:724.3/19

Out: -5.561+/-0.101 χ^2/NDF:569.1/23

All: -6.392+/-0.064 χ^2/NDF: 1409.1/43



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -5.681+/-0.150 χ^2/NDF:4436.5/4

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -2.273+/-0.135 χ^2/NDF:3122.3/3

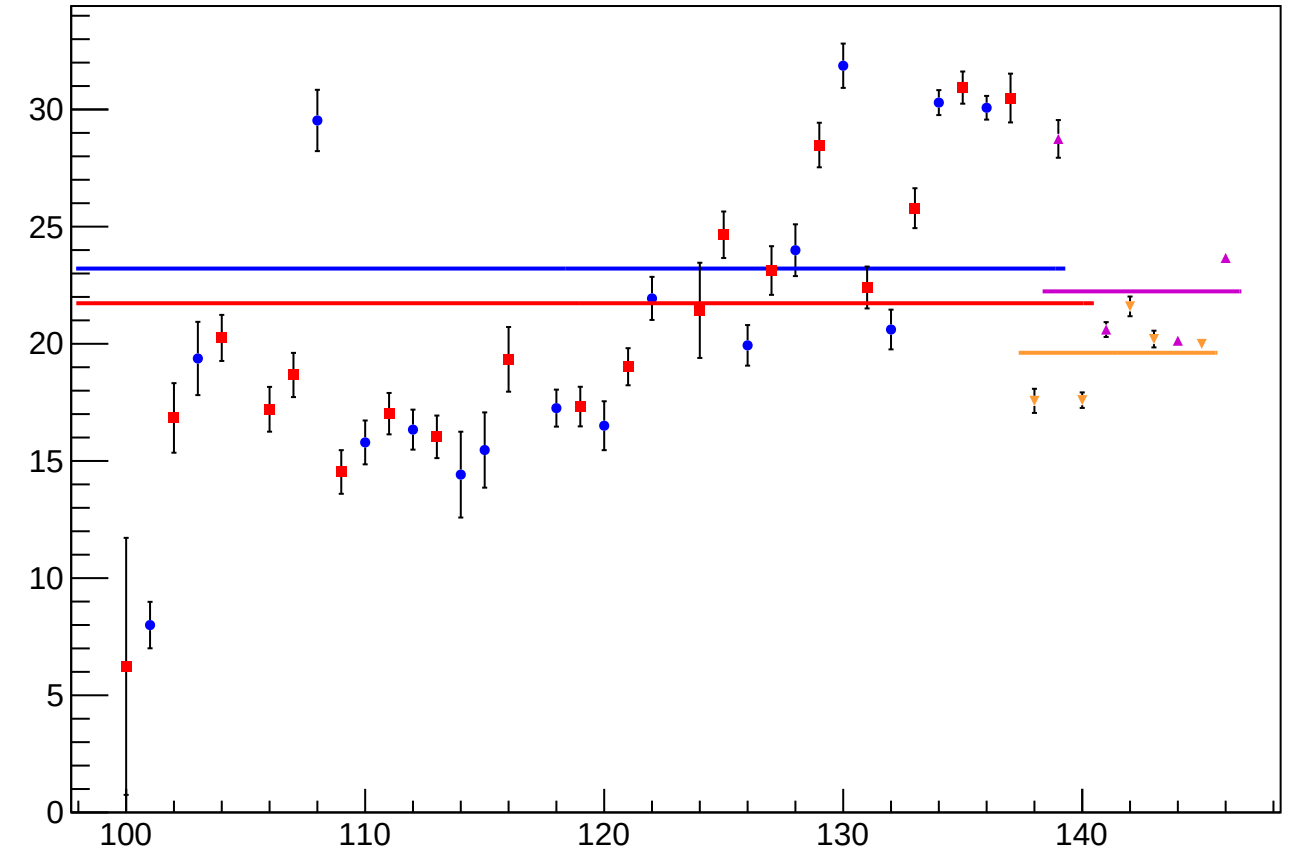
Left: -3.796+/-0.100 χ^2/NDF: 7843.9/8

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -6.604+/-0.113 χ^2/NDF:7234.8/19

Out: -8.469+/-0.122 χ^2/NDF:6470.2/23

All: -7.469+/-0.083 χ^2/NDF: 13830.3/43



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 19.617+/-0.137 χ^2/NDF:81.9/4

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.237+/-0.112 χ^2/NDF:291.8/3

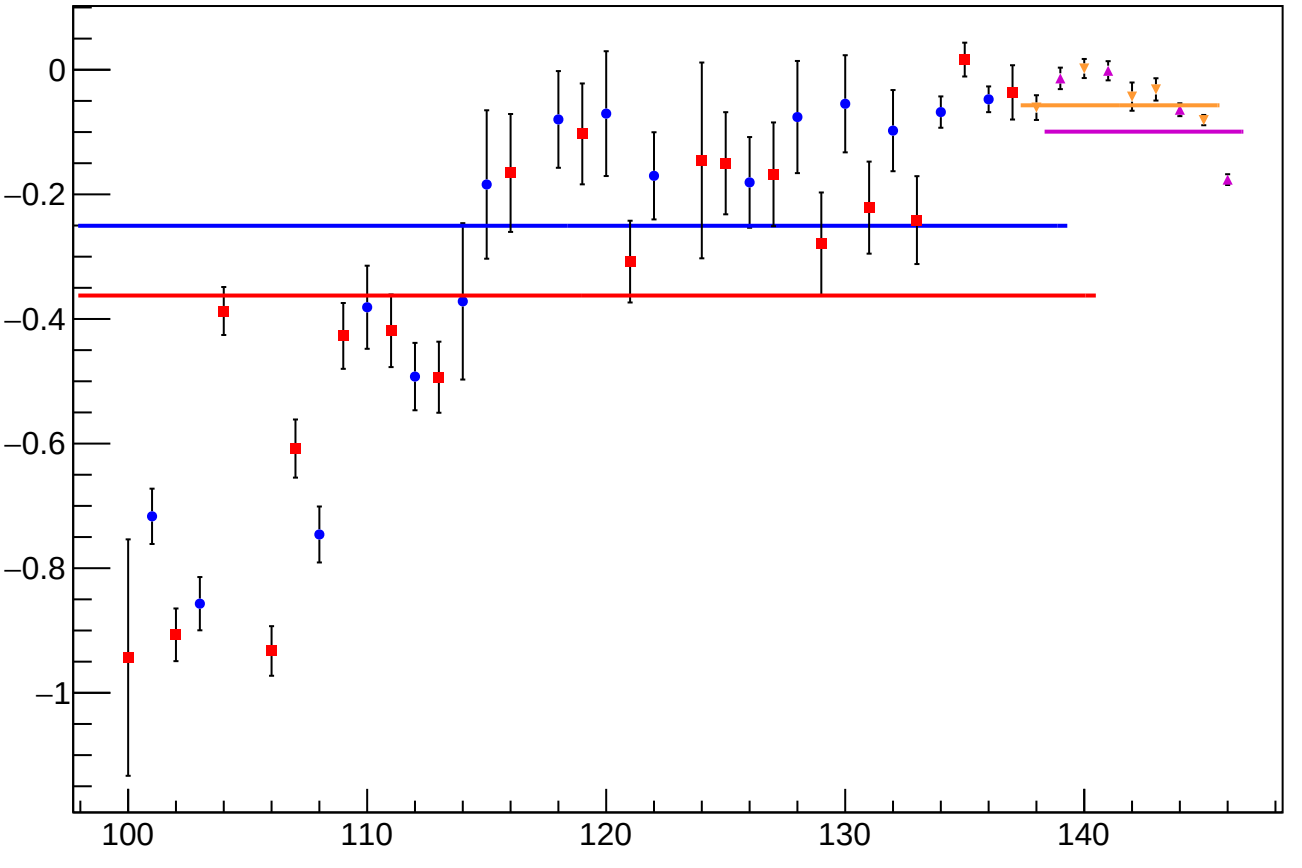
Left: 21.180+/-0.087 χ^2/NDF: 593.5/8

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.441+/-0.100 χ^2/NDF:1315.8/19

Out: 20.188+/-0.117 χ^2/NDF:704.9/23

All: 21.489+/-0.076 χ^2/NDF: 2236.1/43



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.057+/-0.006 χ^2/NDF:25.6/4

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.099+/-0.006 χ^2/NDF:156.0/3

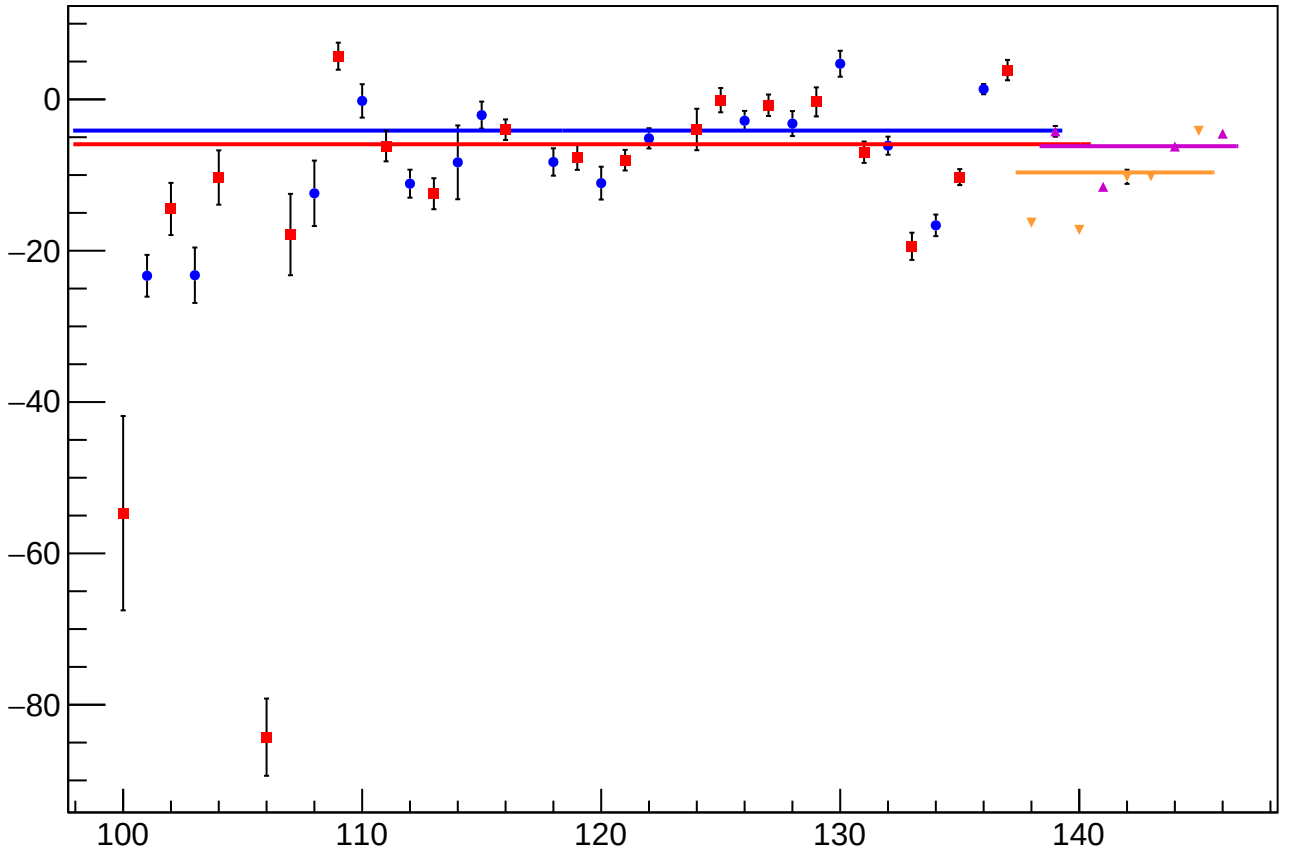
Left: -0.080+/-0.004 χ^2/NDF: 206.9/8

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.129+/-0.005 χ^2/NDF:924.7/19

Out: -0.117+/-0.005 χ^2/NDF:1220.3/23

All: -0.124+/-0.004 χ^2/NDF: 2147.2/43



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -9.656+/-0.247 χ^2/NDF:511.8/4

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -6.186+/-0.248 χ^2/NDF:97.2/3

Left: -7.923+/-0.175 χ^2/NDF: 707.3/8

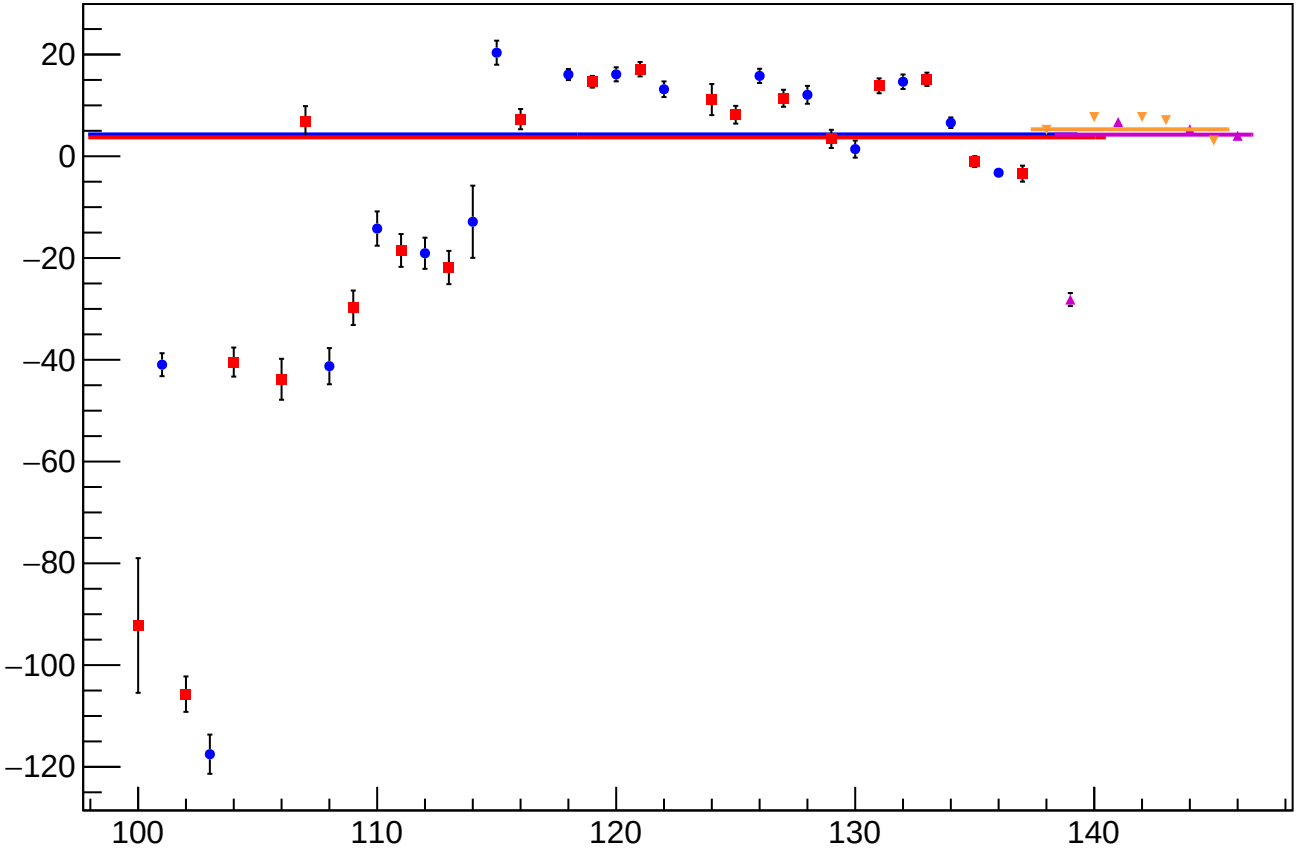
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -5.575+/-0.208 χ^2/NDF:405.7/19

Out: -8.654+/-0.211 χ^2/NDF:1055.4/23

All: -7.087+/-0.148 χ^2/NDF: 1569.0/43

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.301+/-0.198 χ^2/NDF:112.8/4

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.250+/-0.176 χ^2/NDF:677.5/3

Left: 4.715+/-0.132 χ^2/NDF: 806.1/8

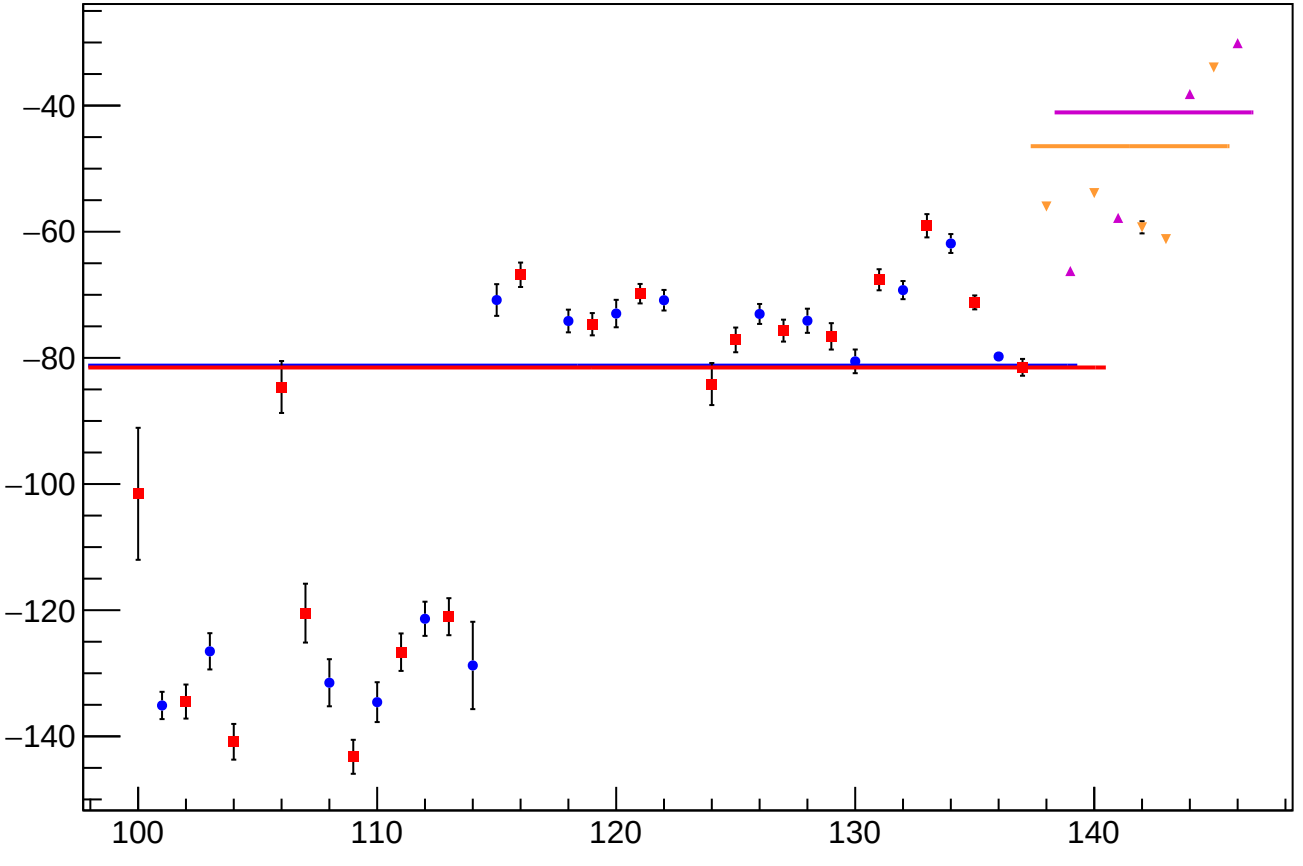
Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.257+/-0.160 χ^2/NDF:2846.7/19

Out: 5.017+/-0.179 χ^2/NDF:2131.5/23

All: 4.595+/-0.119 χ^2/NDF: 4988.2/43

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -46.441+/-0.255 χ^2/NDF:2087.7/4

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -41.084+/-0.249 χ^2/NDF:2659.9/3

Left: -43.695+/-0.178 χ^2/NDF: 4973.1/8

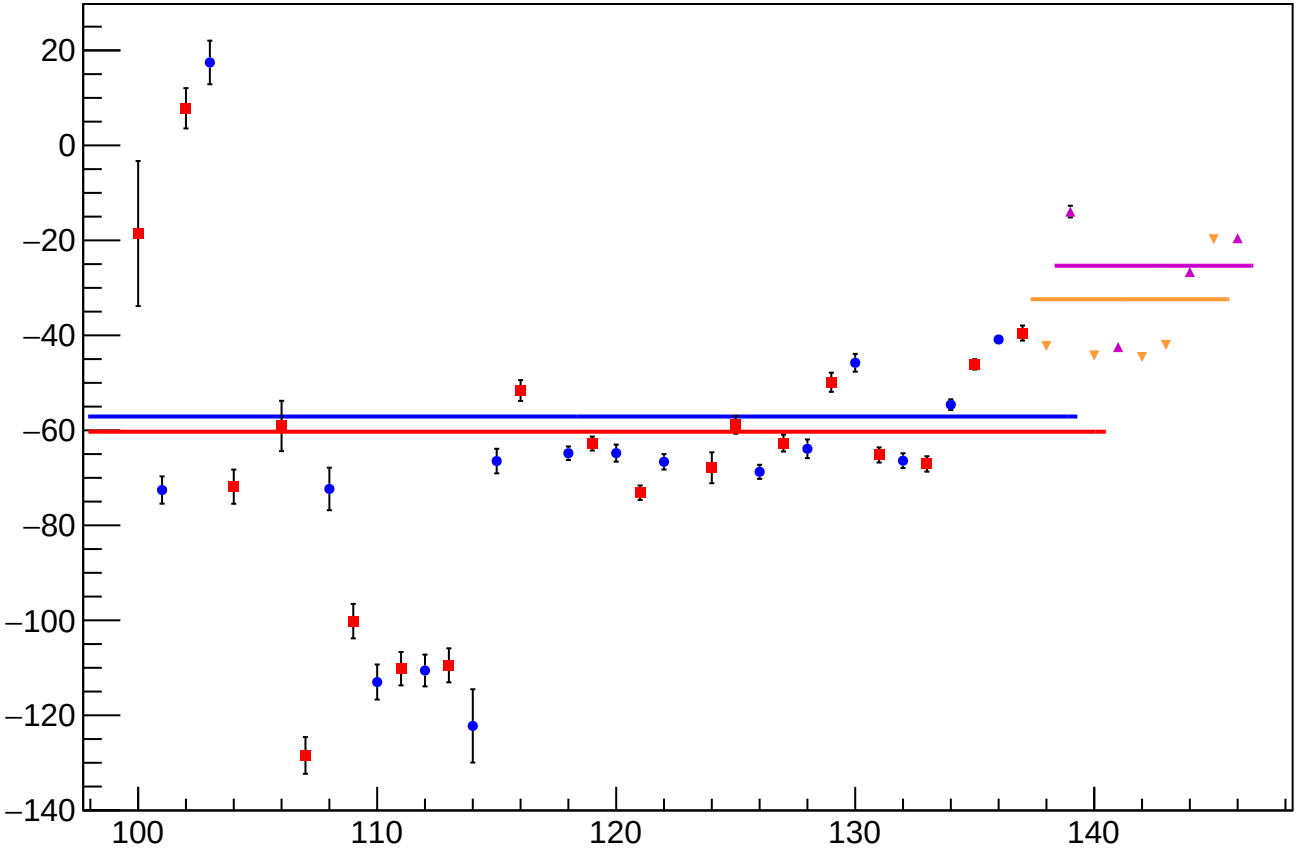
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -51.646+/-0.214 χ^2/NDF:11466.9/19

Out: -54.665+/-0.223 χ^2/NDF:8802.9/23

All: -53.089+/-0.154 χ^2/NDF: 20365.1/43

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -32.398+/-0.231 χ^2/NDF:2576.5/4

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -25.334+/-0.212 χ^2/NDF:1441.5/3

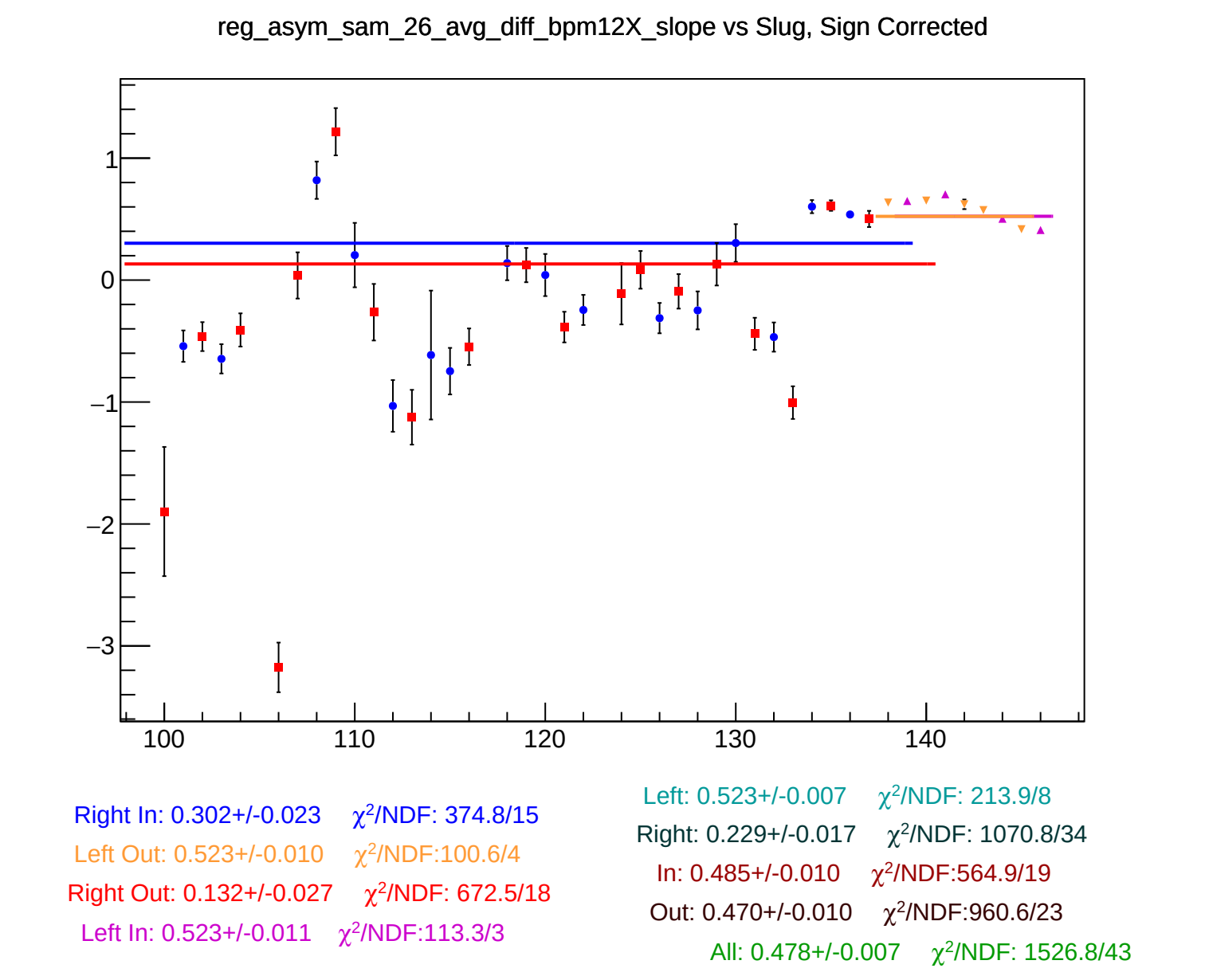
Left: -28.566+/-0.156 χ^2/NDF: 4524.5/8

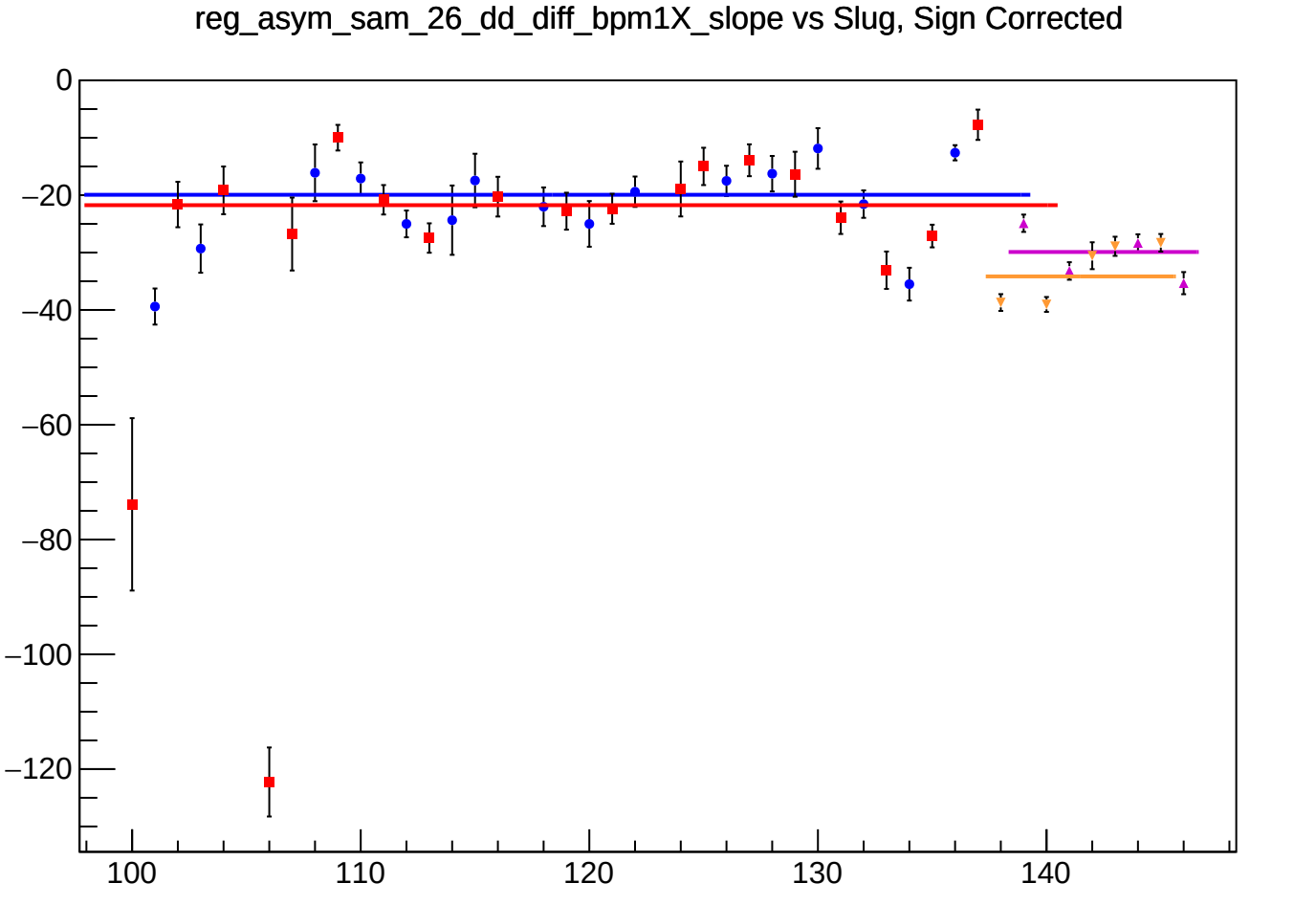
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -31.658+/-0.190 χ^2/NDF:7423.9/19

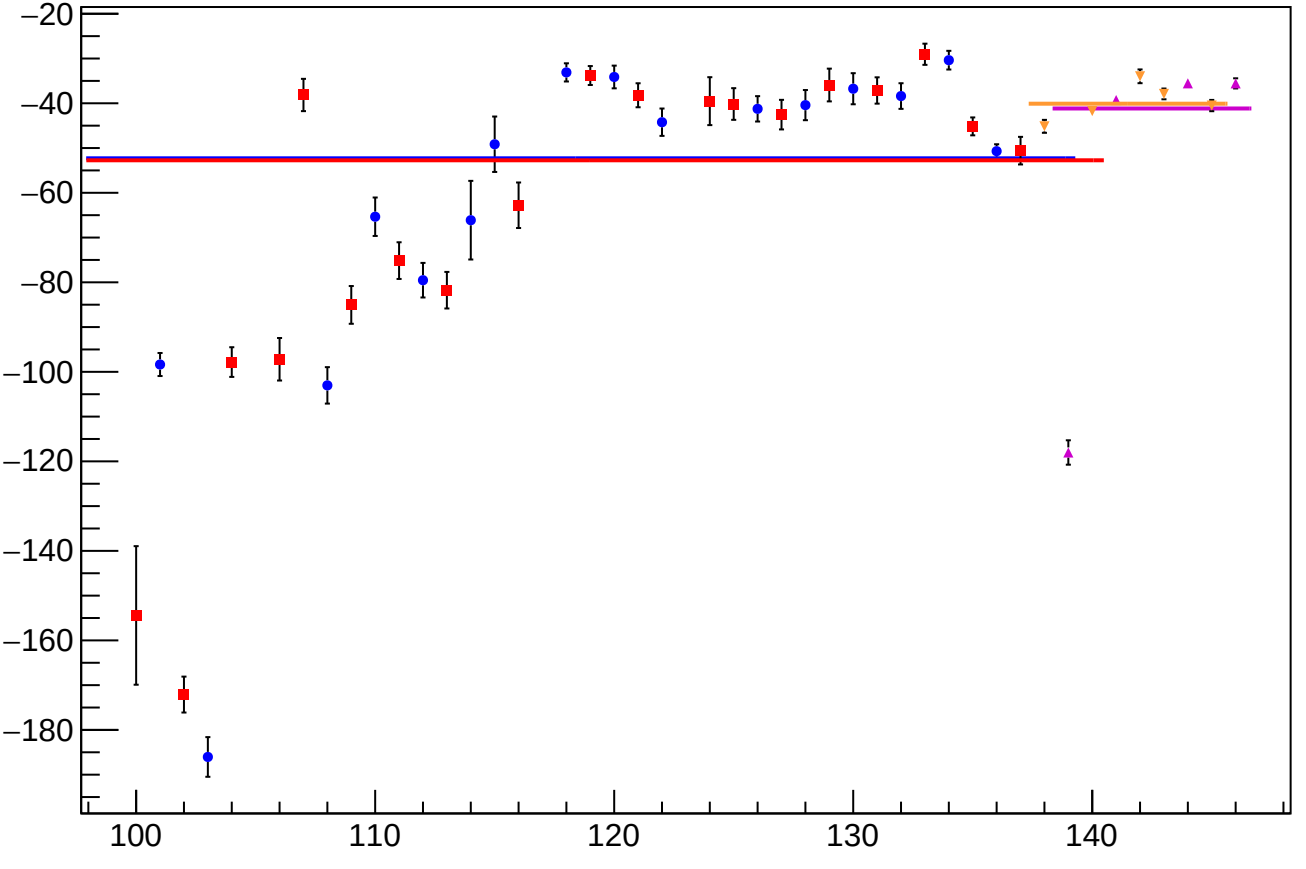
Out: -37.831+/-0.207 χ^2/NDF:6999.1/23

All: -34.473+/-0.140 χ^2/NDF: 14904.8/43


reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
100
110
120
130
140
Right In: 0.302+/-0.023 χ²/NDF: 374.8/15
Left Out: 0.523+/-0.010 χ²/NDF:100.6/4
Right Out: 0.132+/-0.027 χ²/NDF: 672.5/18
Left In: 0.523+/-0.011 χ²/NDF:113.3/3
Left: 0.523+/-0.007 χ²/NDF: 213.9/8
Right: 0.229+/-0.017 χ²/NDF: 1070.8/34
In: 0.485+/-0.010 χ²/NDF:564.9/19
Out: 0.470+/-0.010 χ²/NDF:960.6/23
All: 0.478+/-0.007 χ²/NDF: 1526.8/43


reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
Right In: -19.935+/-0.695 χ²/NDF: 120.6/15
Left Out: -34.158+/-0.701 χ²/NDF:50.8/4
Right Out: -21.746+/-0.714 χ²/NDF: 388.3/18
Left In: -29.901+/-0.798 χ²/NDF:24.7/3
Left: -32.304+/-0.527 χ²/NDF: 91.5/8
Right: -20.816+/-0.498 χ²/NDF: 512.2/34
In: -24.230+/-0.524 χ²/NDF:233.9/19
Out: -28.059+/-0.500 χ²/NDF:593.0/23
All: -26.234+/-0.362 χ²/NDF: 854.9/43

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: -40.094+/-0.569 χ^2/NDF:33.9/4

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -41.164+/-0.631 χ^2/NDF:846.9/3

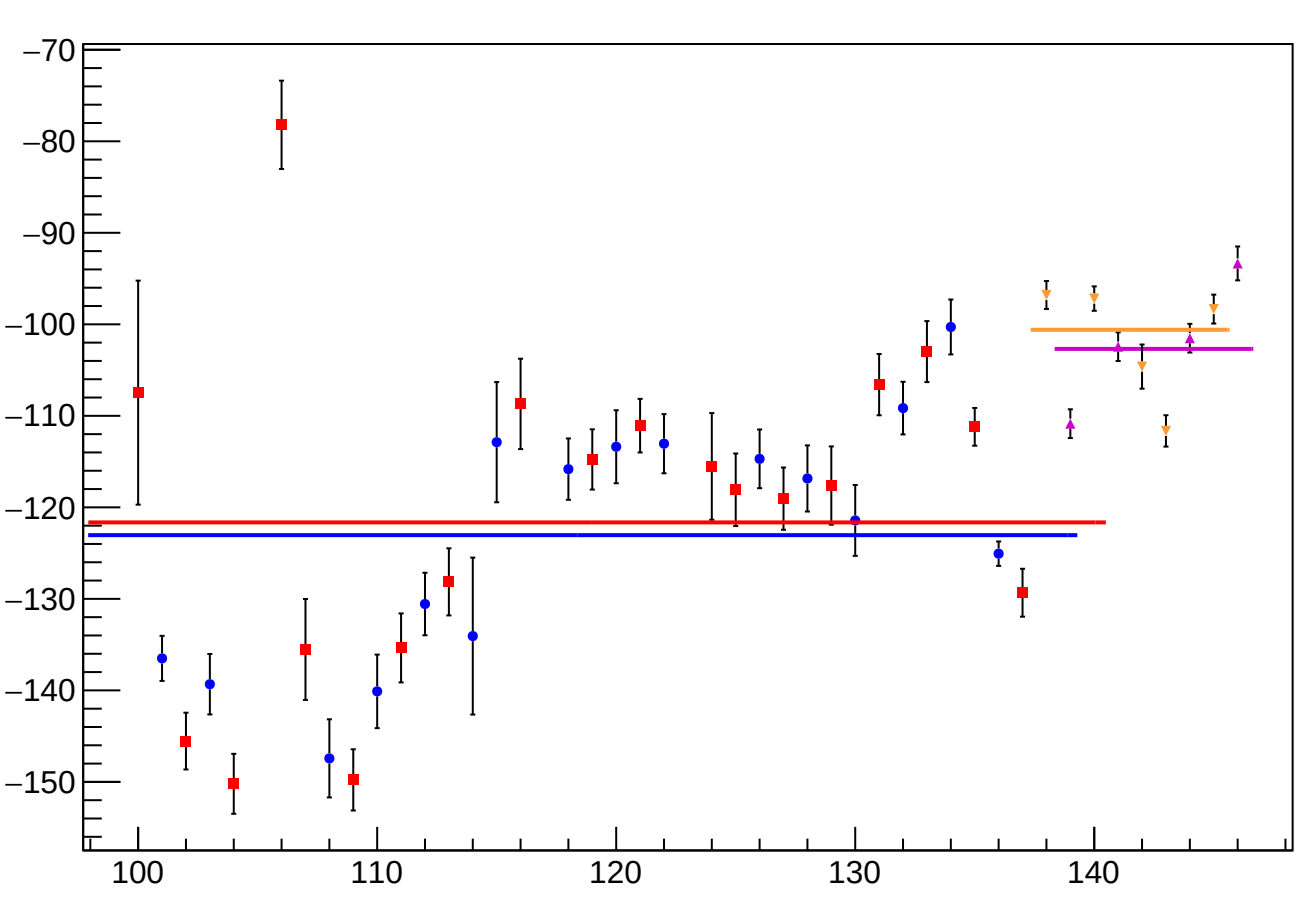
Left: -40.574+/-0.423 χ^2/NDF: 882.4/8

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -46.095+/-0.471 χ^2/NDF:2762.8/19

Out: -44.730+/-0.453 χ^2/NDF:1877.2/23

All: -45.386+/-0.327 χ^2/NDF: 4644.4/43



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -100.593+/-0.724 χ^2/NDF:59.2/4

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -102.685+/-0.814 χ^2/NDF:53.0/3

Left: -101.517+/-0.541 χ^2/NDF: 115.9/8

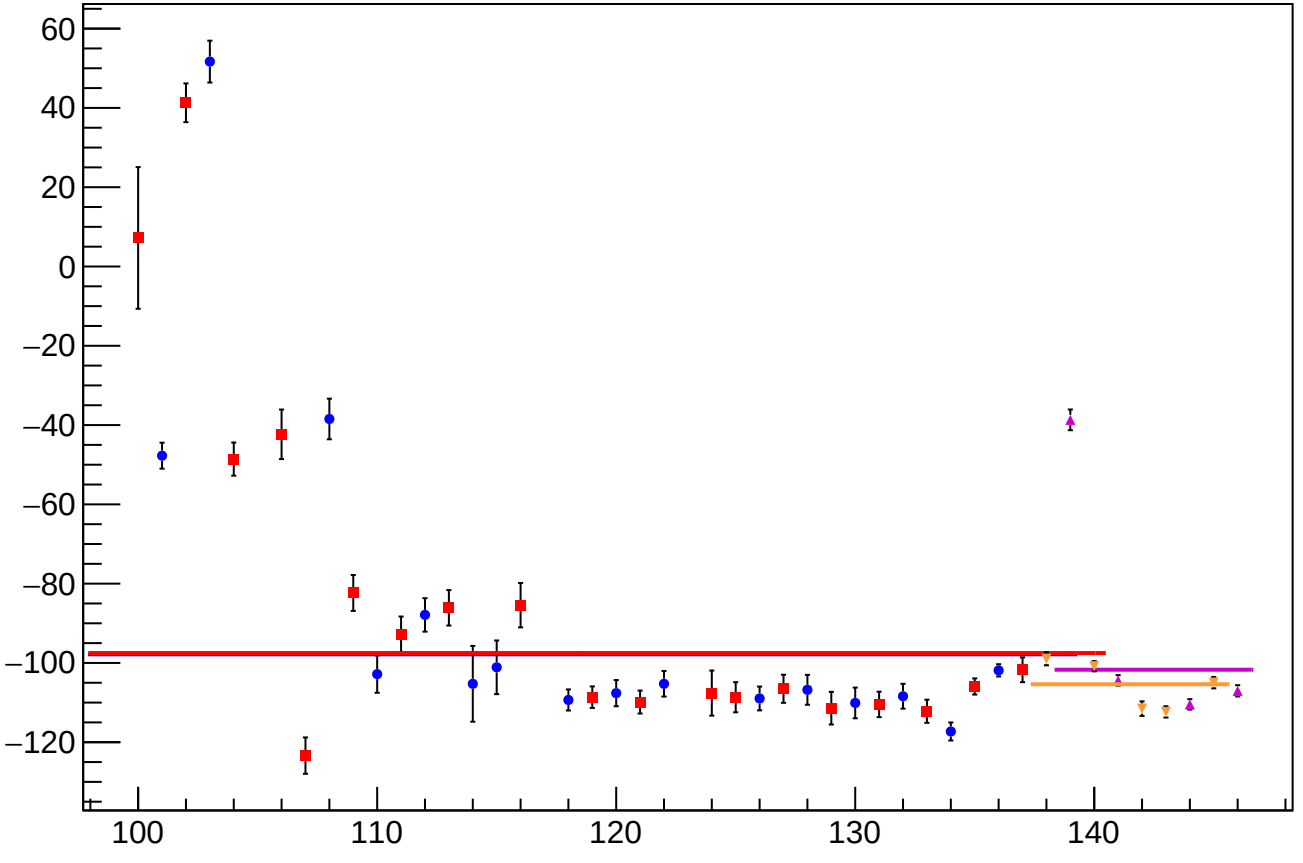
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -113.688+/-0.551 χ^2/NDF:618.2/19

Out: -110.058+/-0.537 χ^2/NDF:863.7/23

All: -111.826+/-0.385 χ^2/NDF: 1504.2/43

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: -105.375+/-0.669 χ^2/NDF:62.6/4

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -101.709+/-0.748 χ^2/NDF:643.1/3

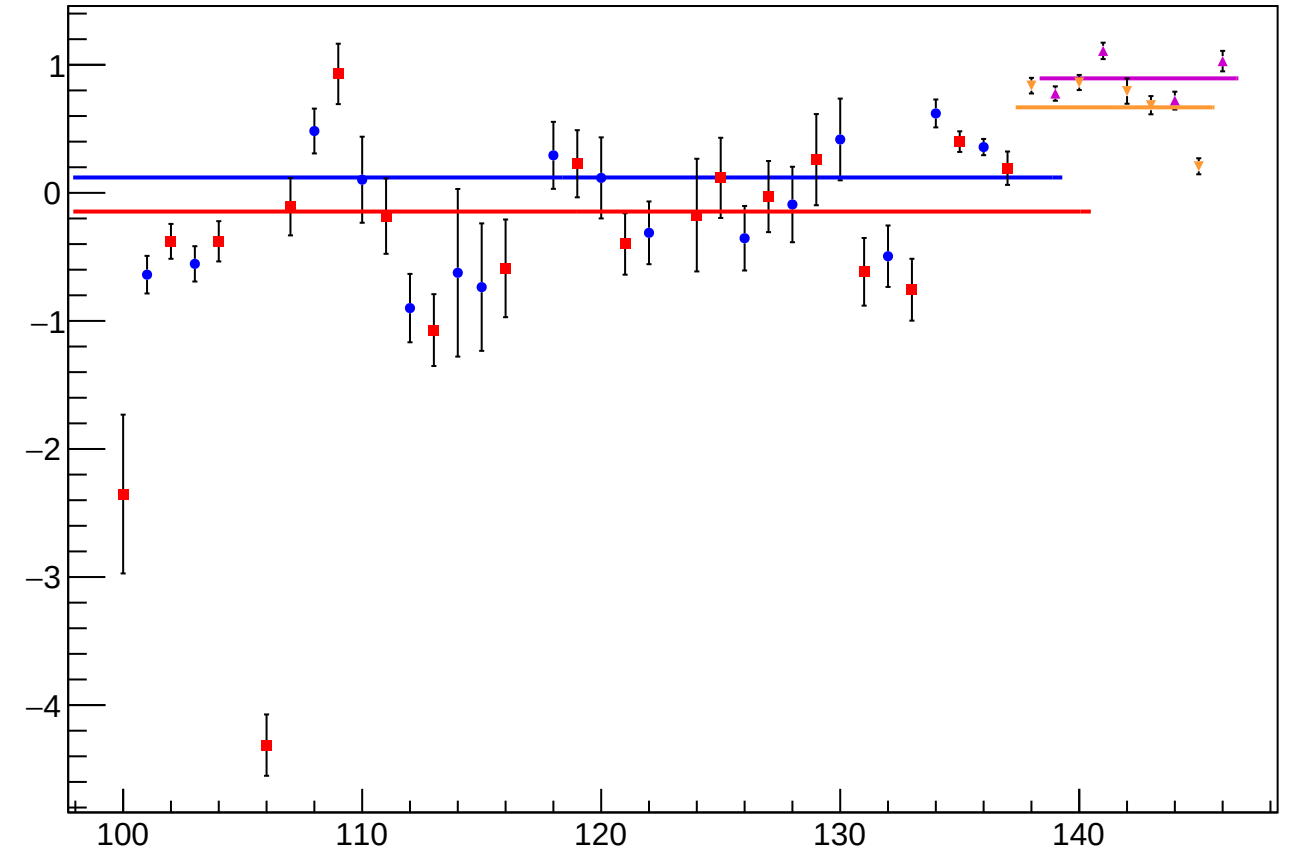
Left: -103.746+/-0.499 χ^2/NDF: 719.1/8

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -99.875+/-0.544 χ^2/NDF:1986.7/19

Out: -102.331+/-0.524 χ^2/NDF:1352.6/23

All: -101.149+/-0.377 χ^2/NDF: 3349.8/43



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.668+/-0.030 χ^2/NDF:74.3/4

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.894+/-0.033 χ^2/NDF:24.7/3

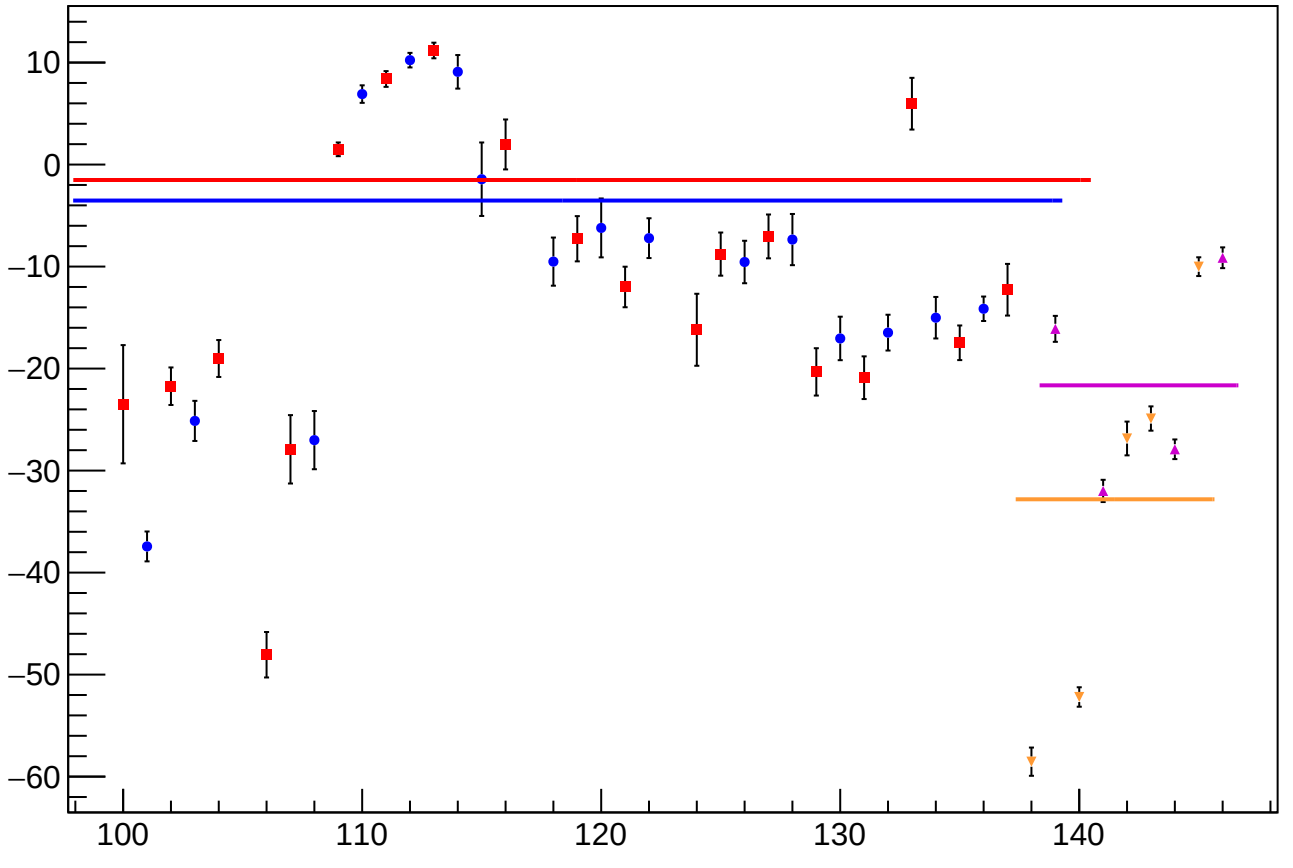
Left: 0.770+/-0.022 χ^2/NDF: 124.8/8

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.593+/-0.026 χ^2/NDF:363.7/19

Out: 0.416+/-0.025 χ^2/NDF:722.4/23

All: 0.502+/-0.018 χ^2/NDF: 1110.3/43



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -32.815+/-0.508 χ^2/NDF:1430.4/4

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -21.644+/-0.535 χ^2/NDF:302.1/3

Left: -27.513+/-0.368 χ^2/NDF: 1962.0/8

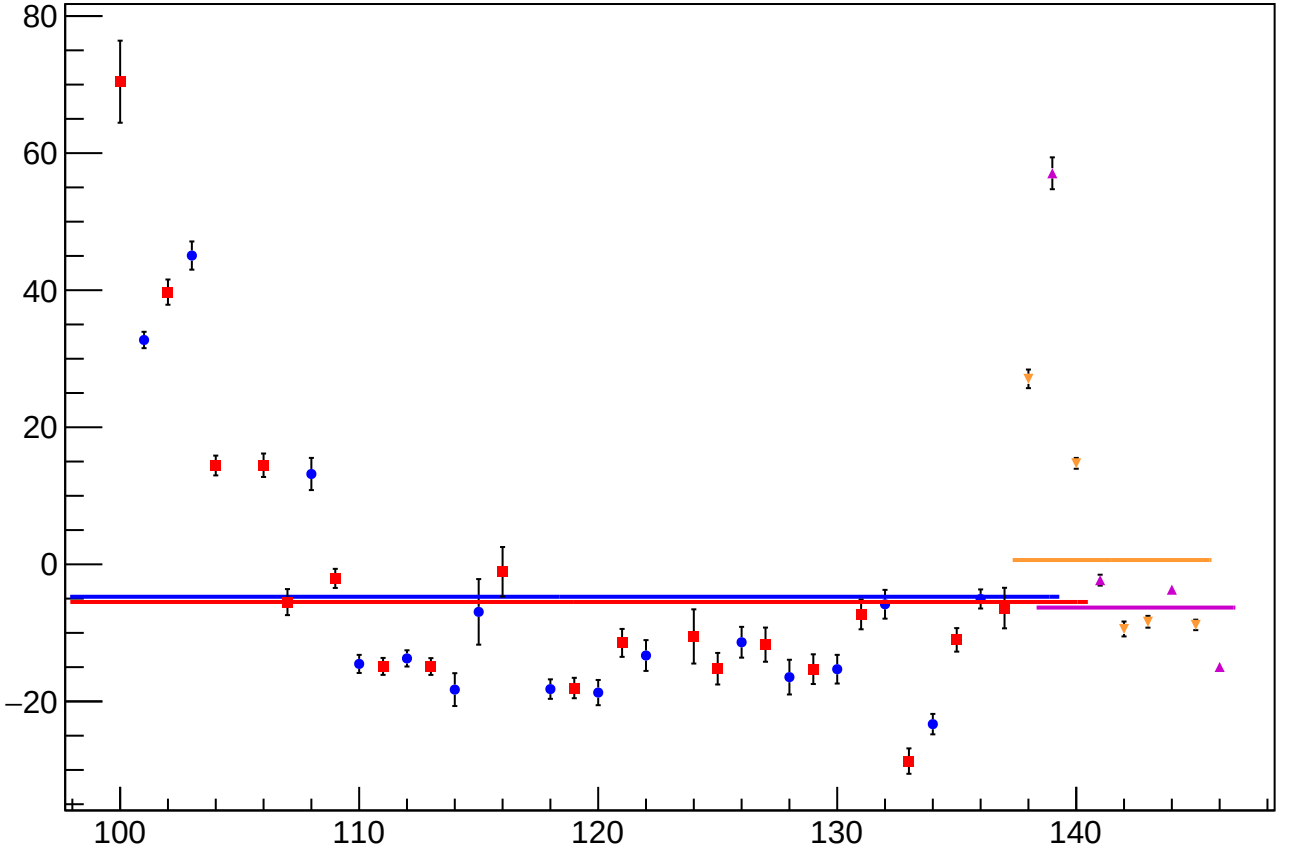
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -9.540+/-0.308 χ^2/NDF:2598.6/19

Out: -11.134+/-0.282 χ^2/NDF:5584.2/23

All: -10.408+/-0.208 χ^2/NDF: 8197.5/43

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: 0.629+/-0.406 χ^2/NDF:1046.5/4

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -6.306+/-0.395 χ^2/NDF:983.0/3

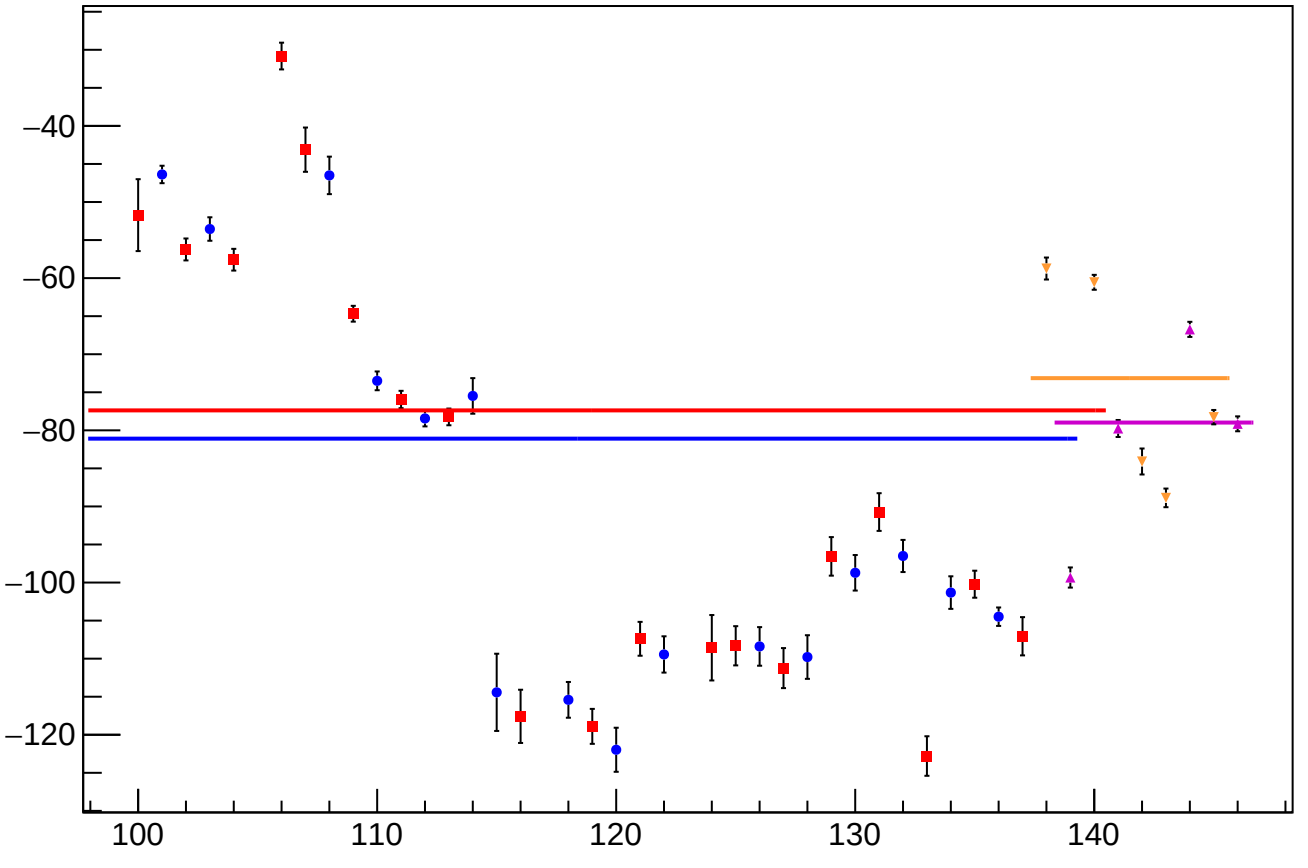
Left: -2.939+/-0.283 χ^2/NDF: 2179.4/8

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -5.587+/-0.291 χ^2/NDF:3138.3/19

Out: -2.315+/-0.293 χ^2/NDF:2664.1/23

All: -3.960+/-0.206 χ^2/NDF: 5865.2/43



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -73.143+/-0.523 χ^2/NDF:500.0/4

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -78.978+/-0.540 χ^2/NDF:389.0/3

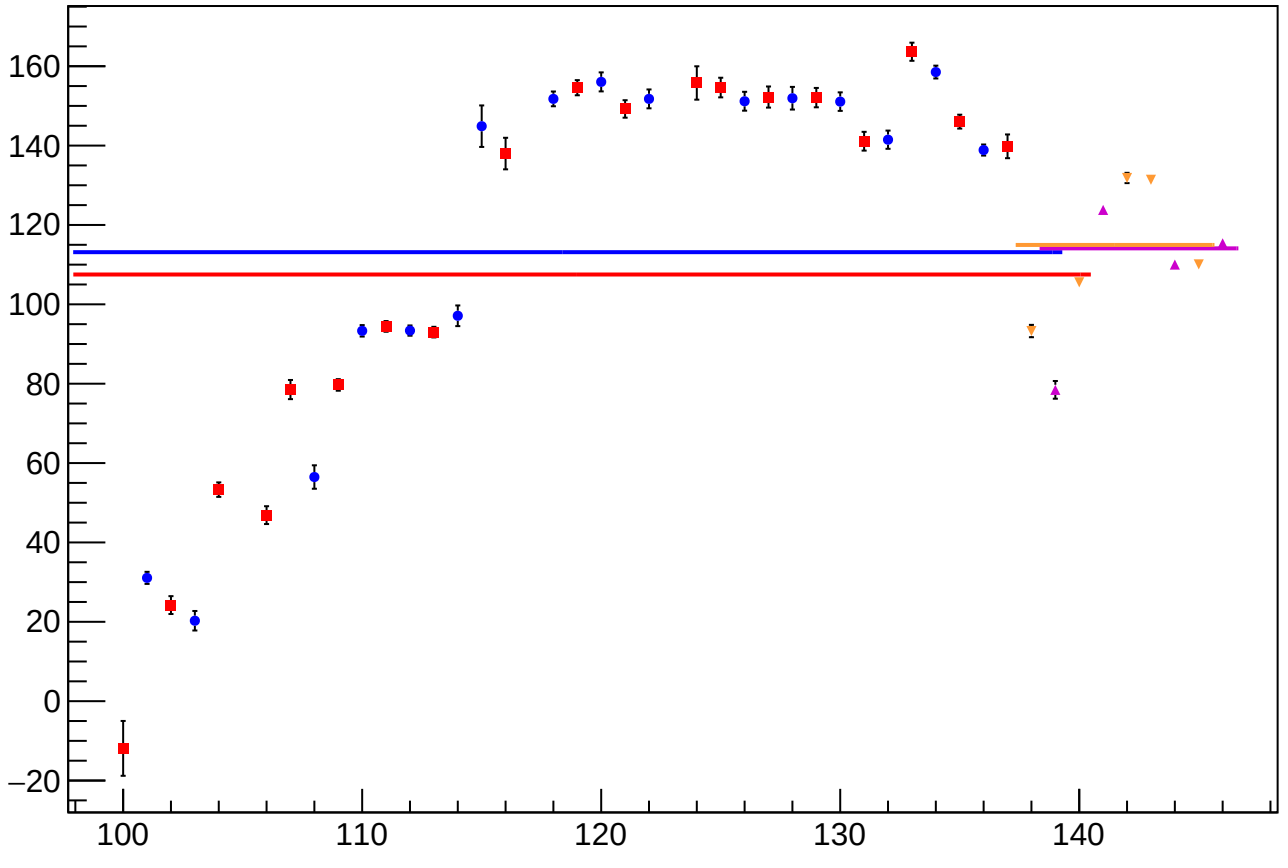
Left: -75.968+/-0.376 χ^2/NDF: 949.1/8

Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -80.253+/-0.340 χ^2/NDF:3268.5/19

Out: -75.735+/-0.326 χ^2/NDF:3669.7/23

All: -77.897+/-0.235 χ^2/NDF: 7030.1/43



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 114.965+/-0.477 χ^2/NDF:752.8/4

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 114.102+/-0.472 χ^2/NDF:387.0/3

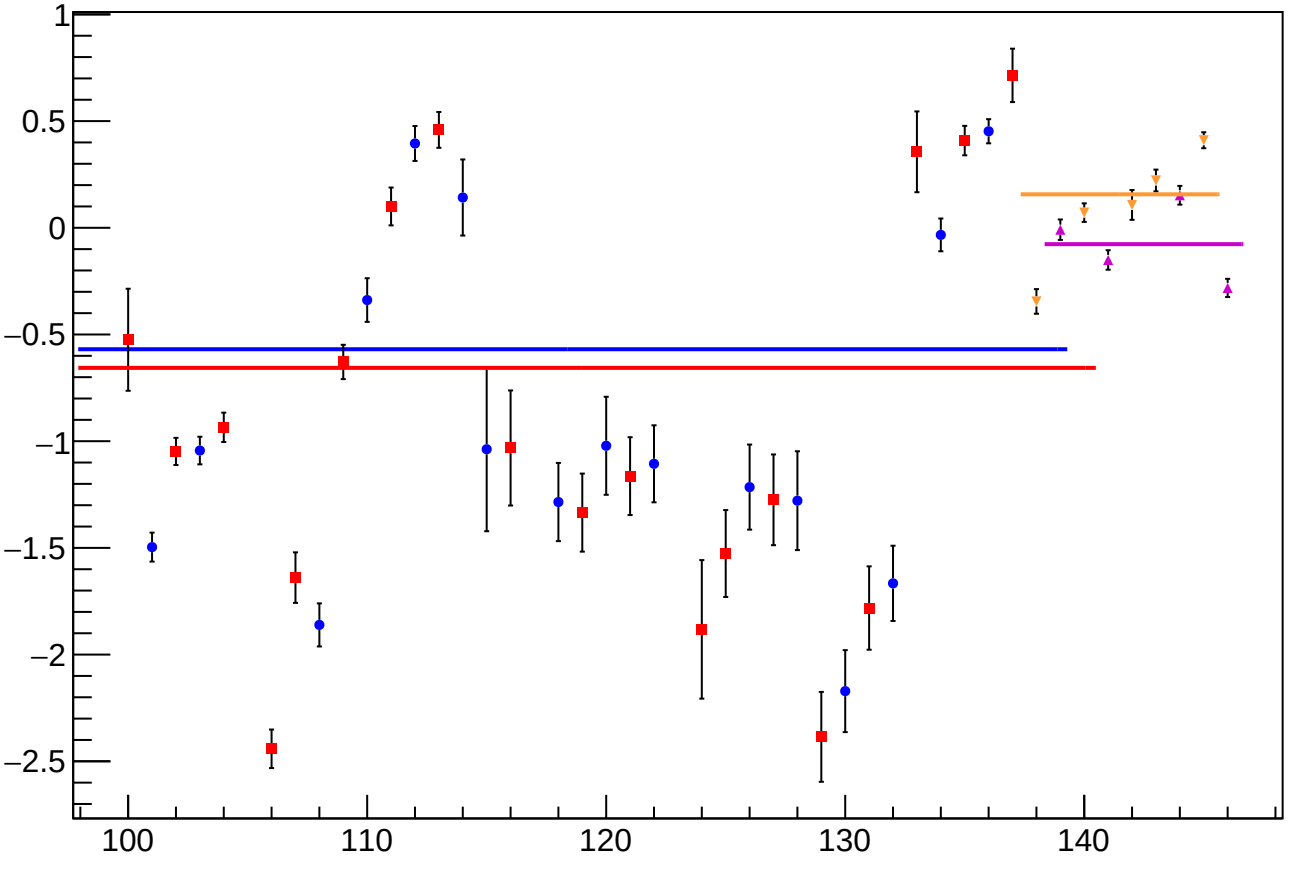
Left: 114.529+/-0.336 χ^2/NDF: 1141.5/8

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 113.639+/-0.340 χ^2/NDF:8593.1/19

Out: 111.257+/-0.338 χ^2/NDF:8418.1/23

All: 112.442+/-0.240 χ^2/NDF: 17035.9/43



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.157+/-0.022 χ^2/NDF:127.6/4

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.077+/-0.022 χ^2/NDF:55.0/3

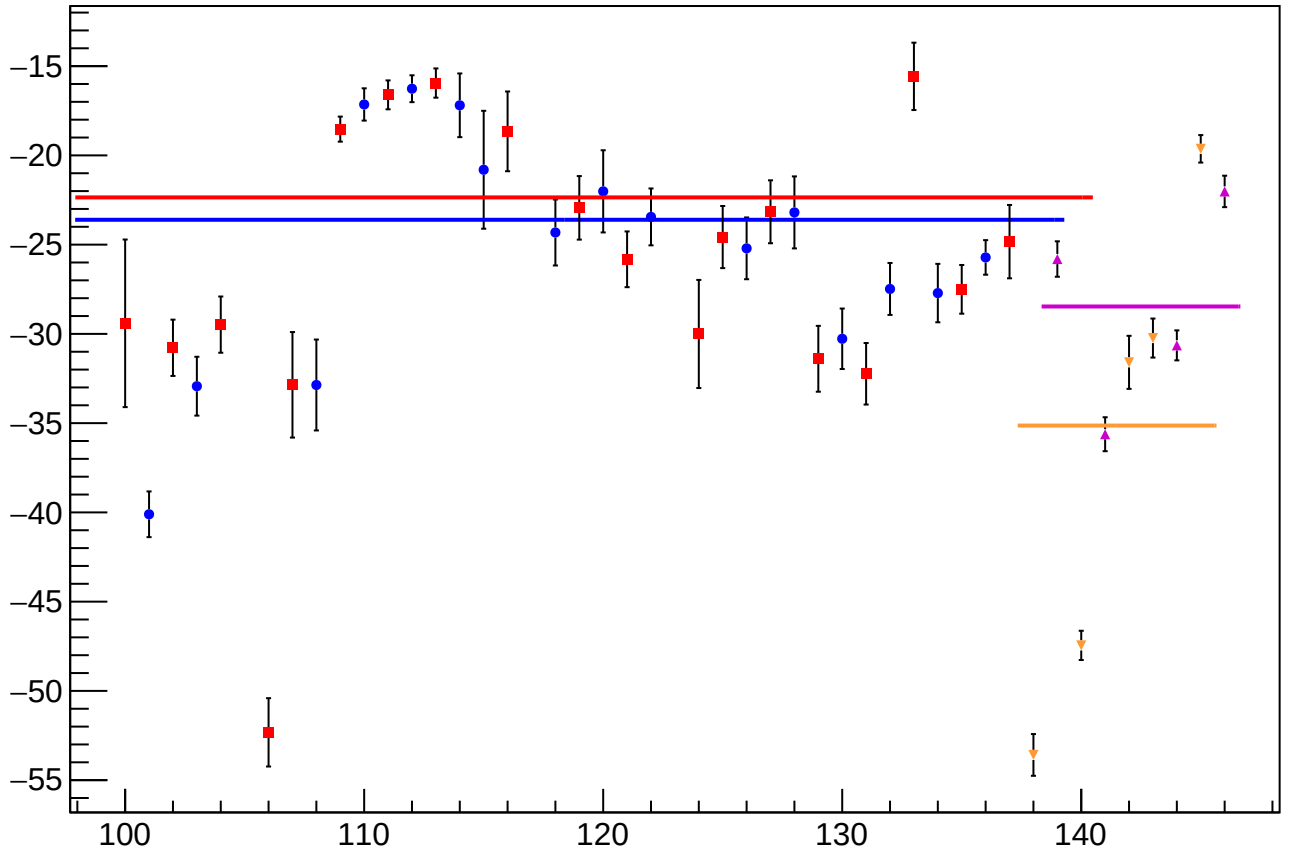
Left: 0.044+/-0.016 χ^2/NDF: 238.7/8

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.289+/-0.017 χ^2/NDF:1359.9/19

Out: -0.188+/-0.016 χ^2/NDF:2042.0/23

All: -0.237+/-0.012 χ^2/NDF: 3420.1/43



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -35.135+/-0.439 χ^2/NDF:905.9/4

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -28.465+/-0.455 χ^2/NDF:124.0/3

Left: -31.924+/-0.316 χ^2/NDF: 1141.3/8

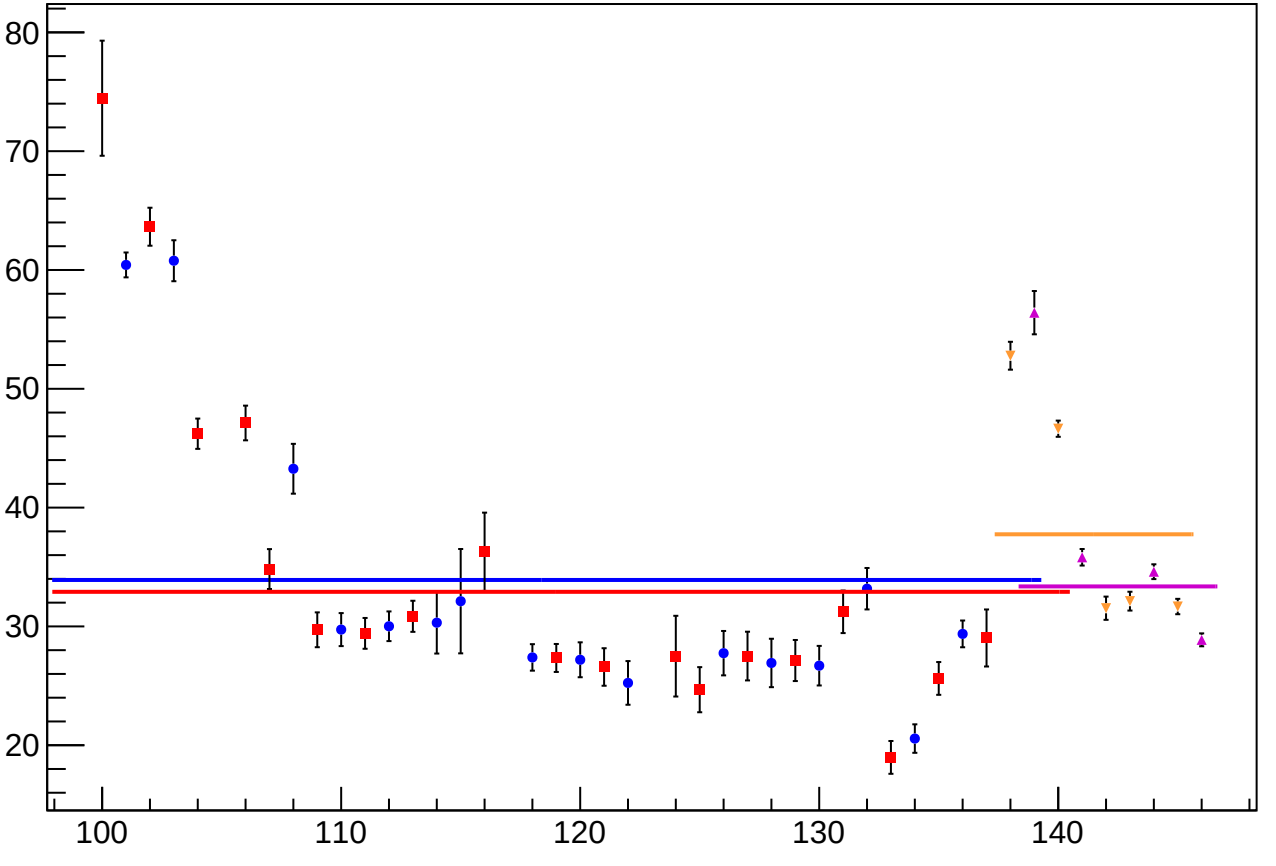
Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -25.401+/-0.277 χ^2/NDF:602.3/19

Out: -26.825+/-0.259 χ^2/NDF:2009.6/23

All: -26.158+/-0.189 χ^2/NDF: 2626.0/43

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 37.753+/-0.356 χ^2/NDF:513.2/4

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 33.366+/-0.347 χ^2/NDF:244.6/3

Left: 35.504+/-0.248 χ^2/NDF: 835.9/8

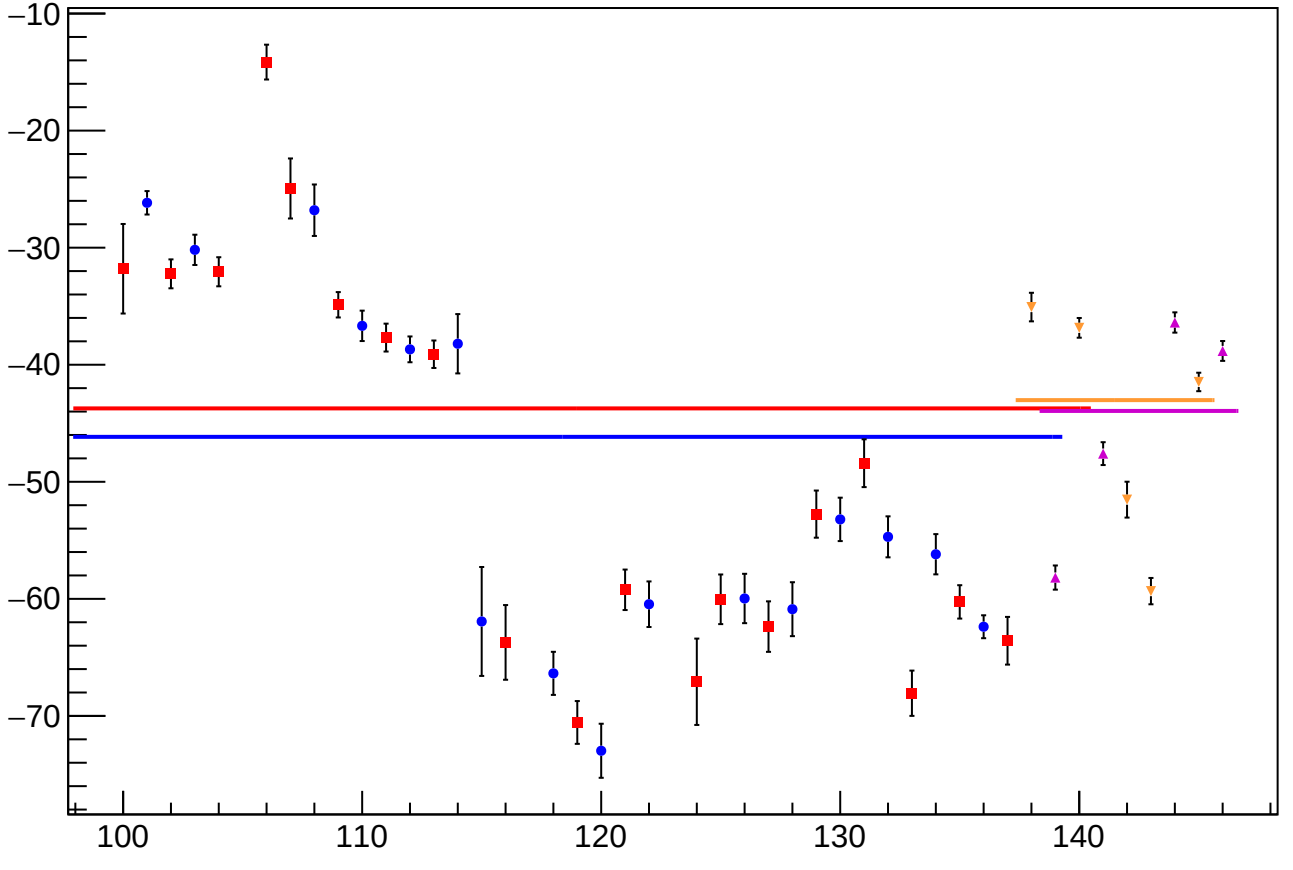
Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 33.616+/-0.255 χ^2/NDF:1430.2/19

Out: 35.445+/-0.257 χ^2/NDF:1476.5/23

All: 34.521+/-0.181 χ^2/NDF: 2932.2/43

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: -43.023+/-0.452 χ^2/NDF:341.3/4

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -43.947+/-0.461 χ^2/NDF:316.7/3

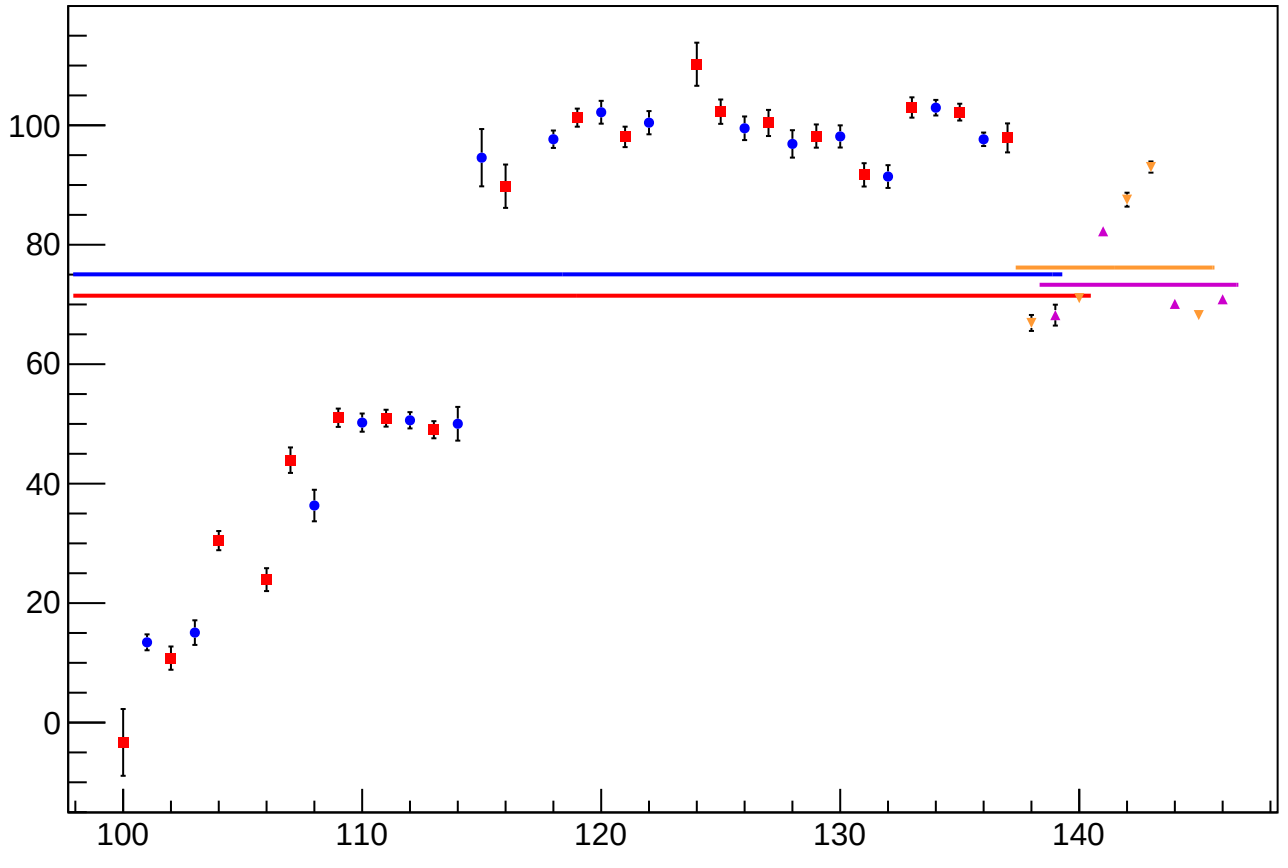
Left: -43.476+/-0.323 χ^2/NDF: 660.0/8

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -45.237+/-0.298 χ^2/NDF:1819.8/19

Out: -43.439+/-0.290 χ^2/NDF:2006.1/23

All: -44.315+/-0.208 χ^2/NDF: 3844.6/43



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 76.182+/-0.416 χ^2/NDF:621.8/4

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 73.297+/-0.412 χ^2/NDF:158.2/3

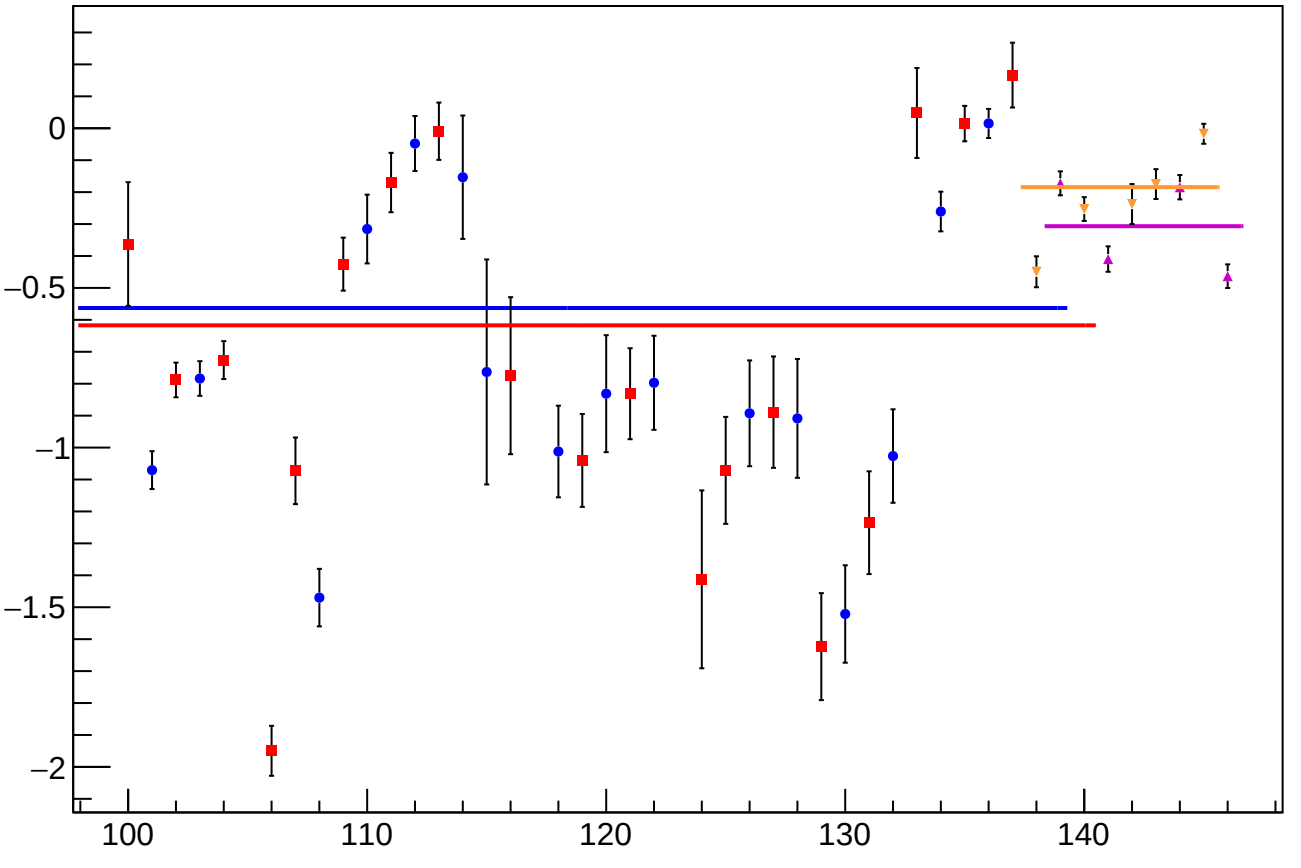
Left: 74.723+/-0.293 χ^2/NDF: 804.3/8

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 74.137+/-0.296 χ^2/NDF:5995.1/19

Out: 73.877+/-0.298 χ^2/NDF:6312.7/23

All: 74.007+/-0.210 χ^2/NDF: 12308.2/43



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.184+/-0.019 χ^2/NDF:62.8/4

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.307+/-0.019 χ^2/NDF:47.7/3

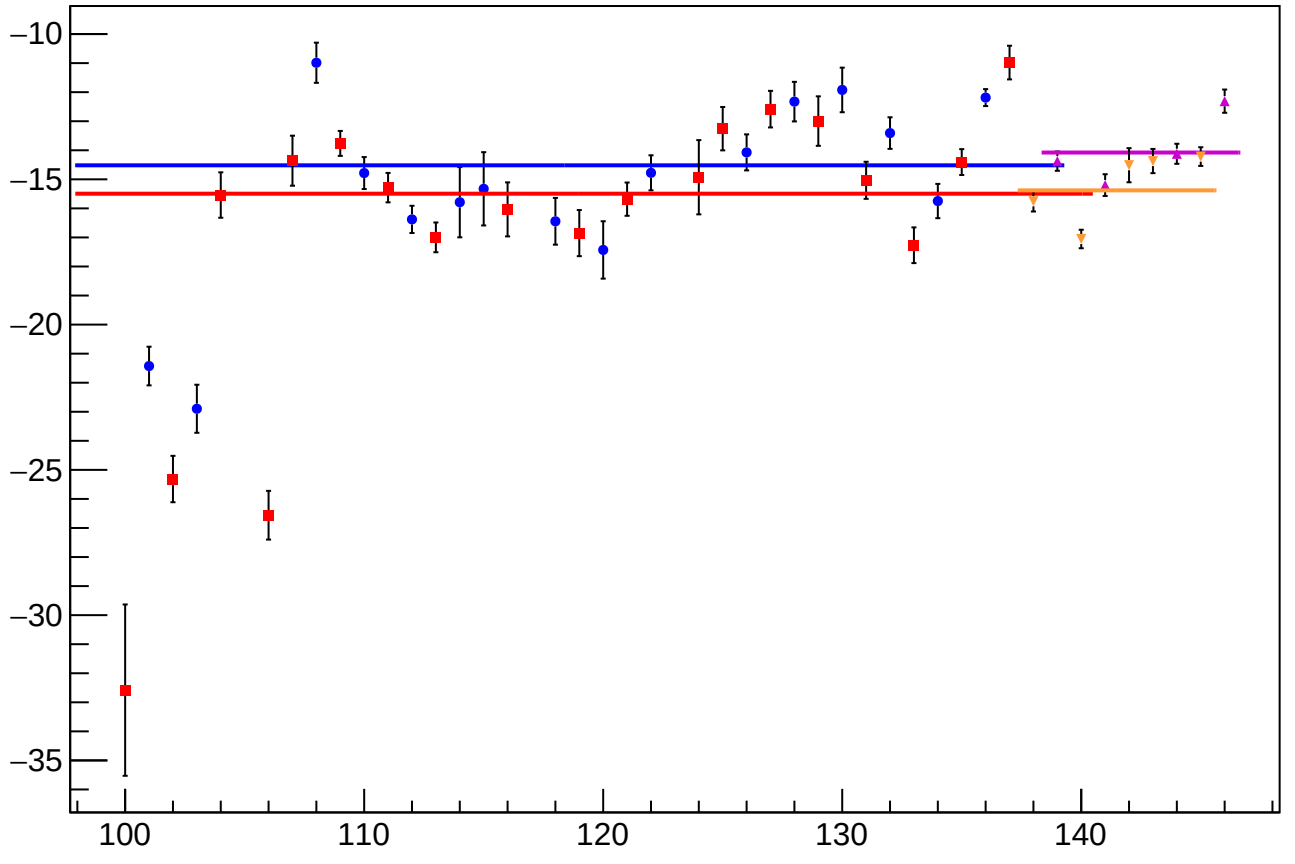
Left: -0.244+/-0.013 χ^2/NDF: 131.5/8

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.415+/-0.014 χ^2/NDF:617.3/19

Out: -0.363+/-0.014 χ^2/NDF:976.2/23

All: -0.389+/-0.010 χ^2/NDF: 1600.0/43



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.380+/-0.166 χ^2/NDF:50.0/4

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.078+/-0.180 χ^2/NDF:29.4/3

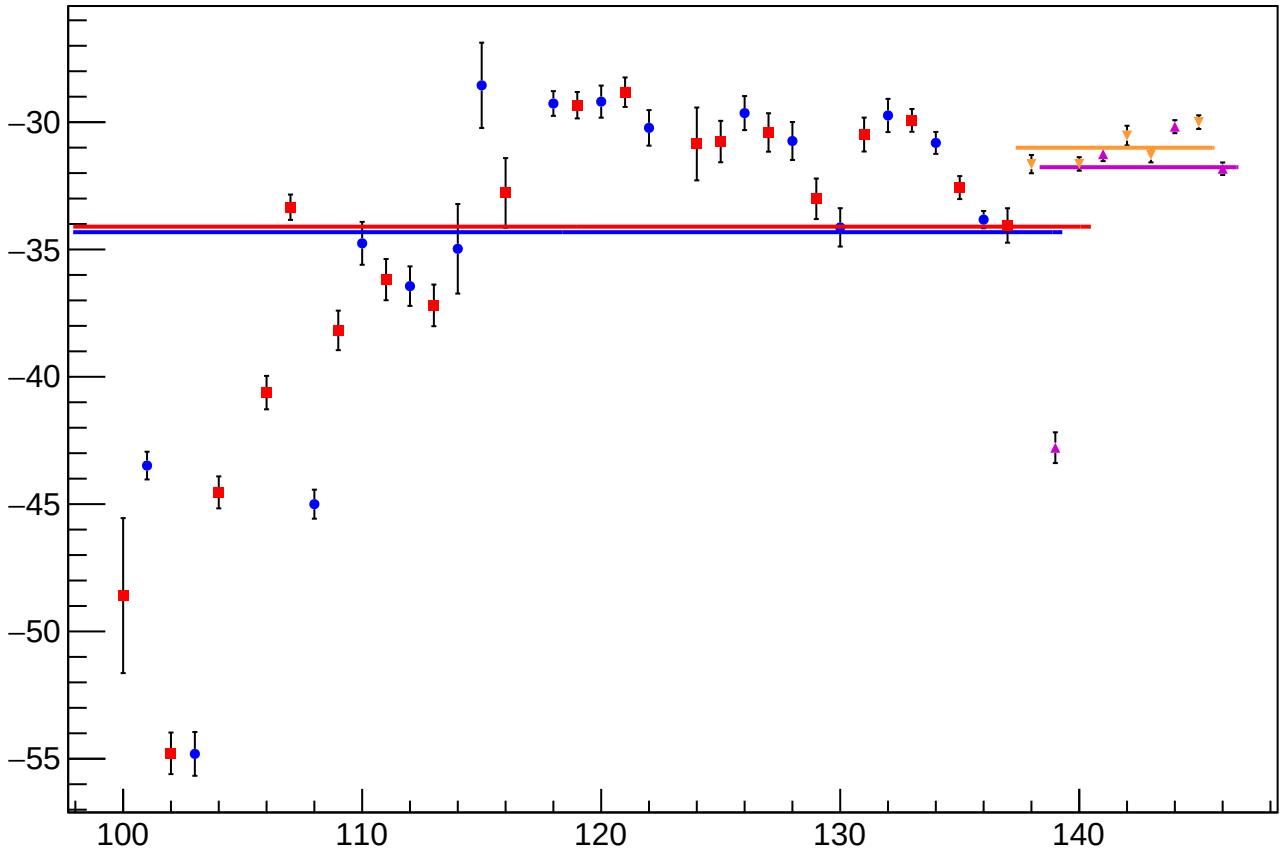
Left: -14.781+/-0.122 χ^2/NDF: 107.6/8

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.338+/-0.115 χ^2/NDF:396.2/19

Out: -15.443+/-0.111 χ^2/NDF:554.1/23

All: -14.908+/-0.080 χ^2/NDF: 998.0/43



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.004+/-0.137 χ^2/NDF:25.2/4

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.769+/-0.145 χ^2/NDF:374.5/3

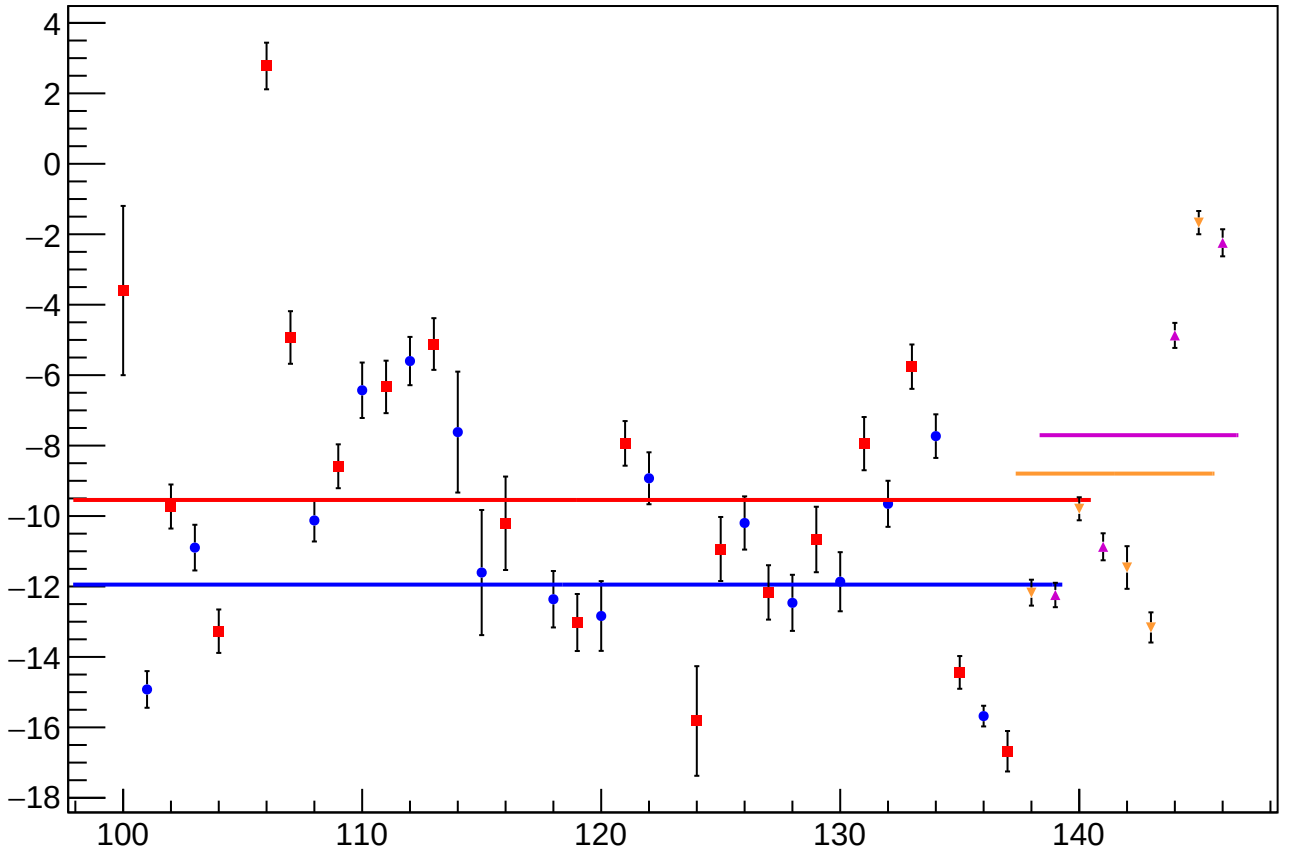
Left: -31.365+/-0.099 χ^2/NDF: 414.6/8

Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.971+/-0.105 χ^2/NDF:2141.6/19

Out: -32.369+/-0.102 χ^2/NDF:1686.3/23

All: -32.662+/-0.073 χ^2/NDF: 3844.8/43



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -8.795+/-0.171 χ^2/NDF:683.2/4

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.704+/-0.183 χ^2/NDF:505.1/3

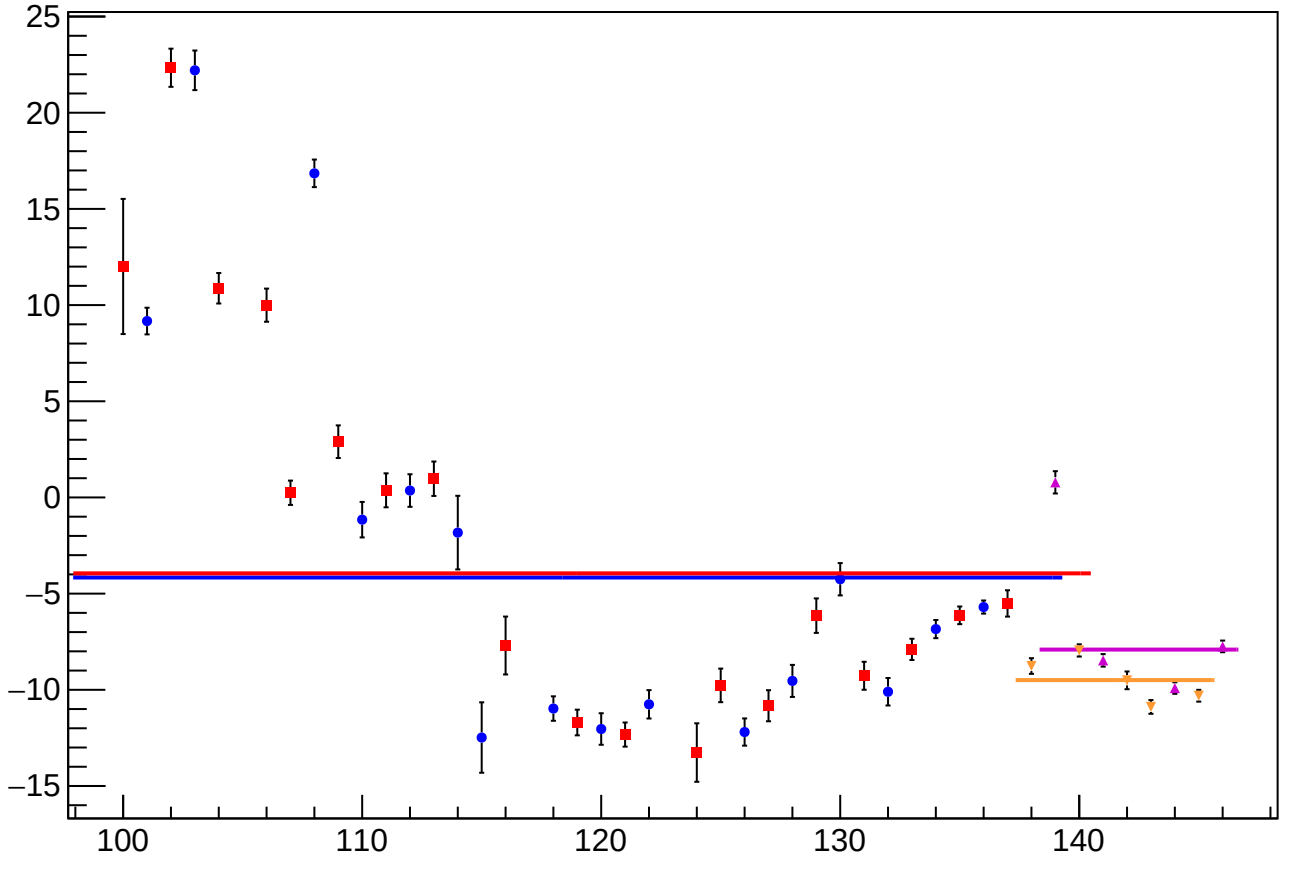
Left: -8.286+/-0.125 χ^2/NDF: 1207.1/8

Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.108+/-0.121 χ^2/NDF:1239.1/19

Out: -9.183+/-0.119 χ^2/NDF:1540.2/23

All: -9.639+/-0.085 χ^2/NDF: 2809.2/43



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -9.495+/-0.160 χ^2/NDF:49.0/4

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -7.909+/-0.170 χ^2/NDF:272.8/3

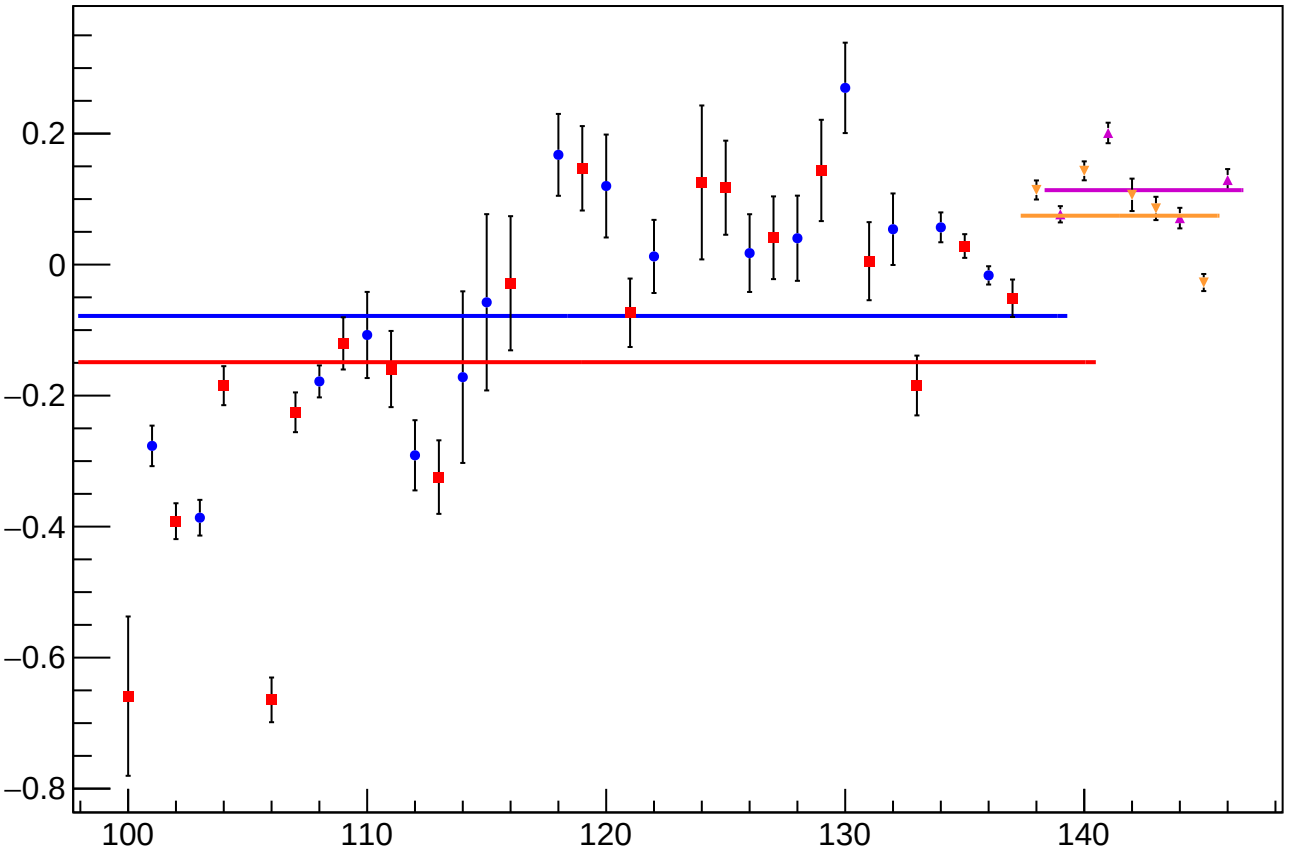
Left: -8.752+/-0.117 χ^2/NDF: 368.0/8

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -6.054+/-0.121 χ^2/NDF:3037.5/19

Out: -6.987+/-0.118 χ^2/NDF:2703.6/23

All: -6.531+/-0.085 χ^2/NDF: 5771.5/43



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.075+/-0.007 χ^2/NDF:93.0/4

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.114+/-0.007 χ^2/NDF:48.2/3

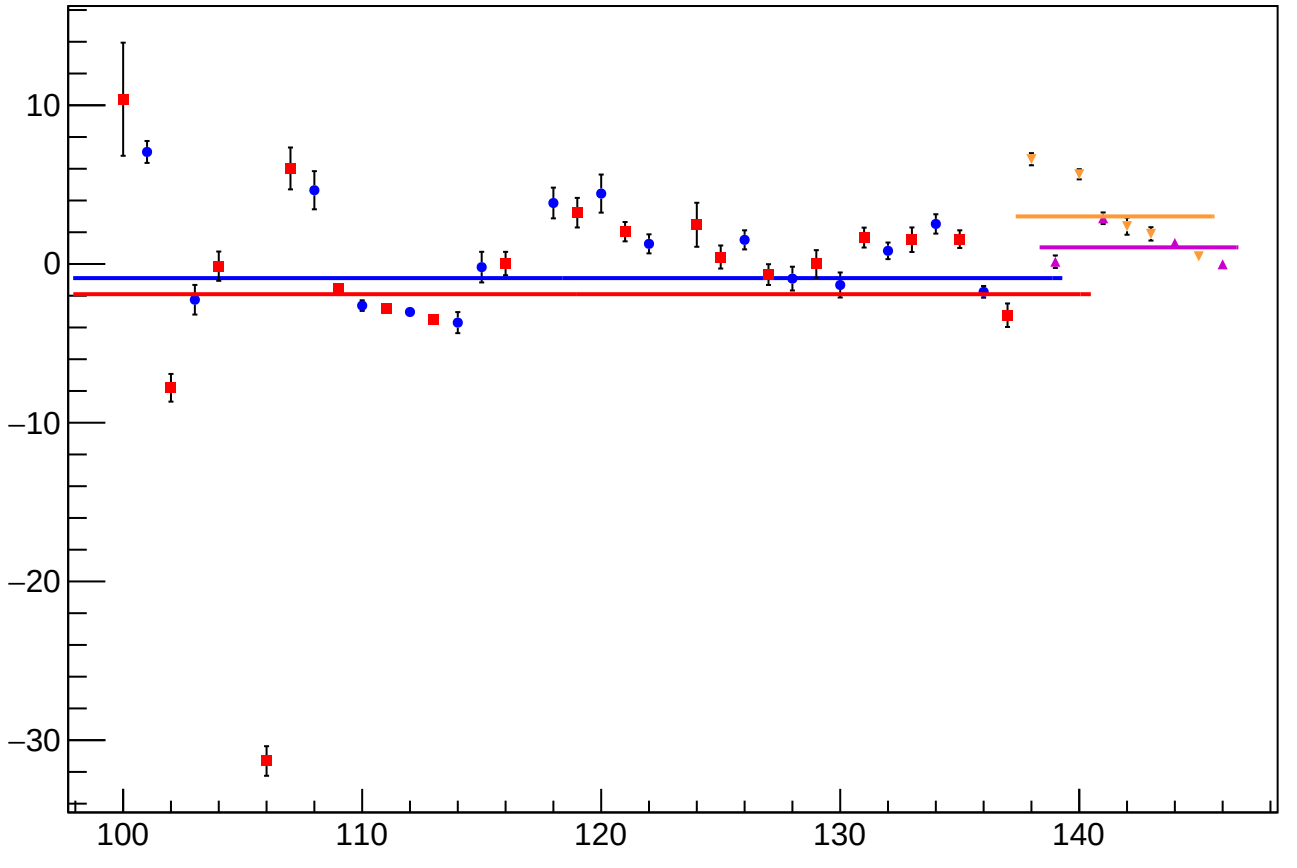
Left: 0.093+/-0.005 χ^2/NDF: 155.7/8

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.031+/-0.006 χ^2/NDF:654.2/19

Out: -0.009+/-0.006 χ^2/NDF:996.9/23

All: 0.011+/-0.004 χ^2/NDF: 1677.8/43



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 2.998+/-0.154 χ^2/NDF:270.8/4

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.048+/-0.161 χ^2/NDF:44.0/3

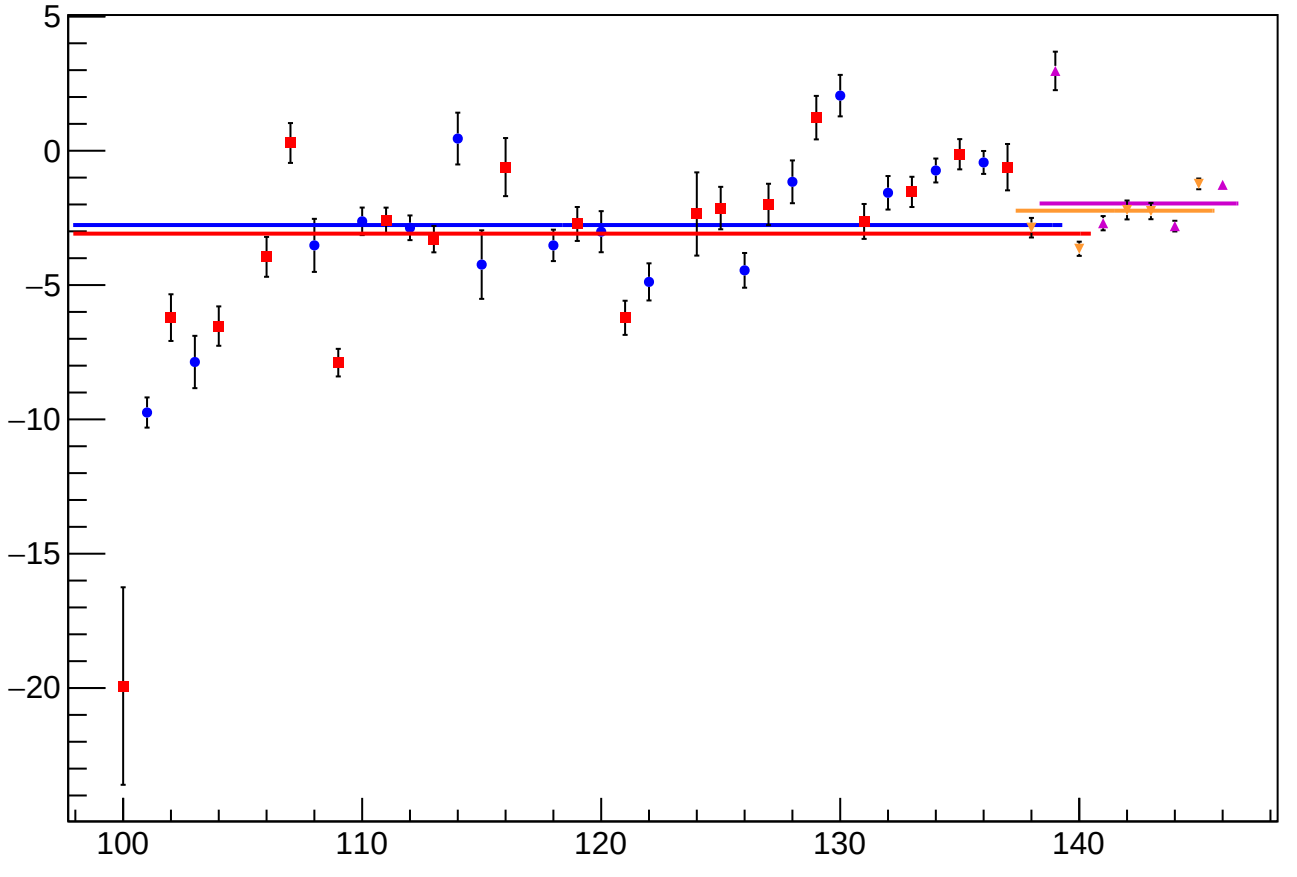
Left: 2.066+/-0.111 χ^2/NDF: 391.7/8

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: -0.077+/-0.104 χ^2/NDF:508.6/19

Out: 0.110+/-0.099 χ^2/NDF:2201.4/23

All: 0.022+/-0.072 χ^2/NDF: 2711.7/43



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -2.232+/-0.123 χ^2/NDF:56.7/4

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.963+/-0.117 χ^2/NDF:88.3/3

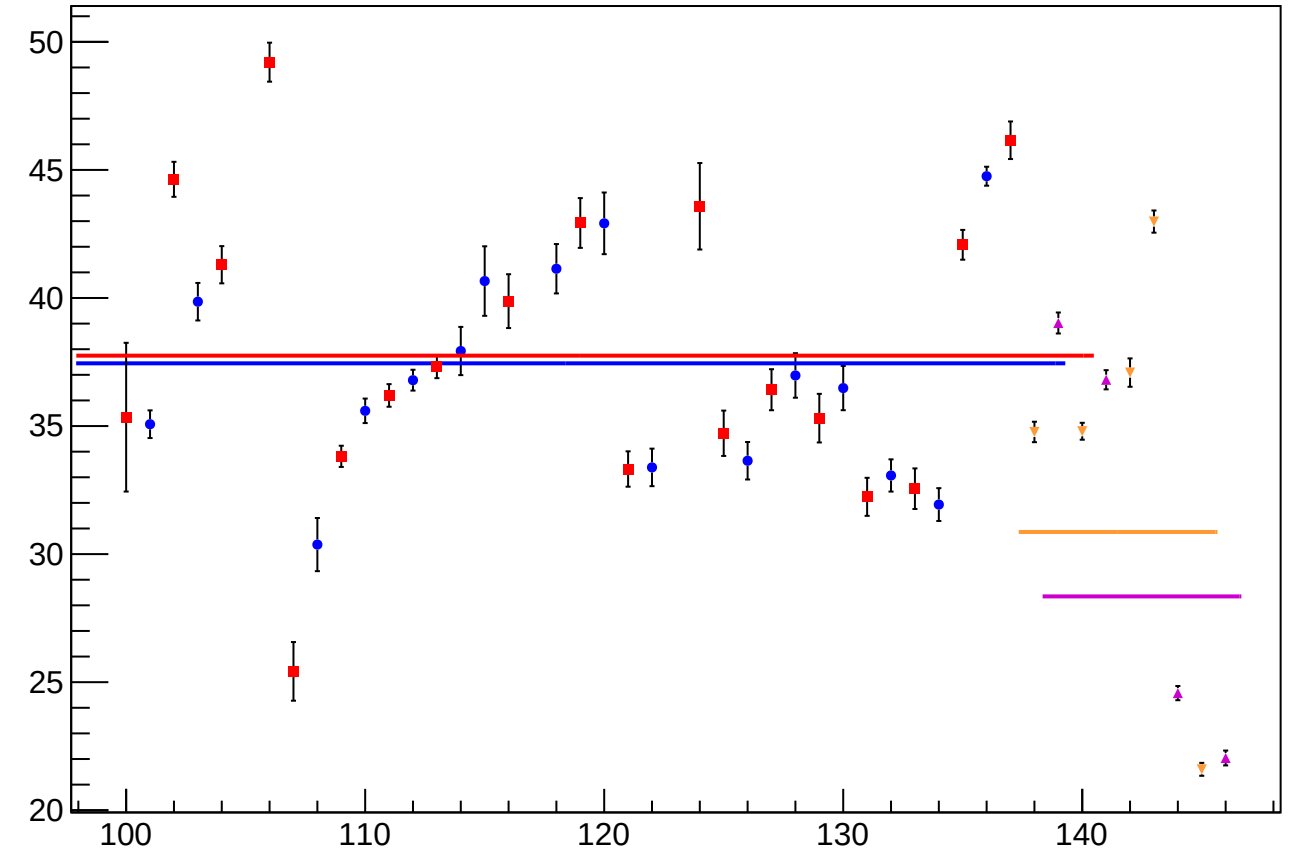
Left: -2.090+/-0.085 χ^2/NDF: 147.5/8

Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.251+/-0.094 χ^2/NDF:415.3/19

Out: -2.556+/-0.097 χ^2/NDF:347.4/23

All: -2.398+/-0.067 χ^2/NDF: 767.9/43



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 30.865+/-0.159 χ^2/NDF:2494.2/4

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 28.349+/-0.162 χ^2/NDF:1846.6/3

Left: 29.636+/-0.113 χ^2/NDF: 4463.6/8

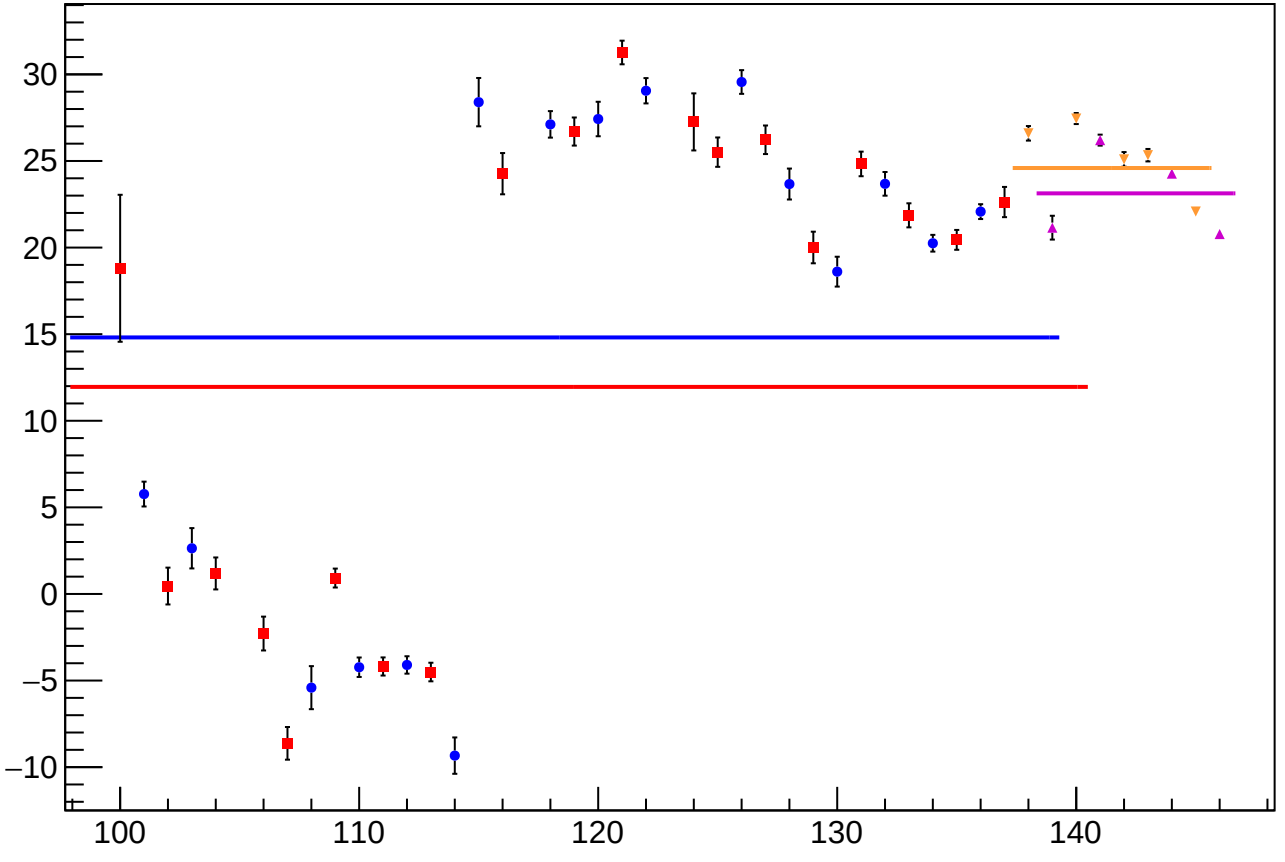
Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 32.945+/-0.114 χ^2/NDF:4140.0/19

Out: 34.290+/-0.112 χ^2/NDF:4394.8/23

All: 33.628+/-0.080 χ^2/NDF: 8605.3/43

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 24.594+/-0.144 χ^2/NDF:229.2/4

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.130+/-0.140 χ^2/NDF:237.8/3

Left: 23.842+/-0.101 χ^2/NDF: 519.8/8

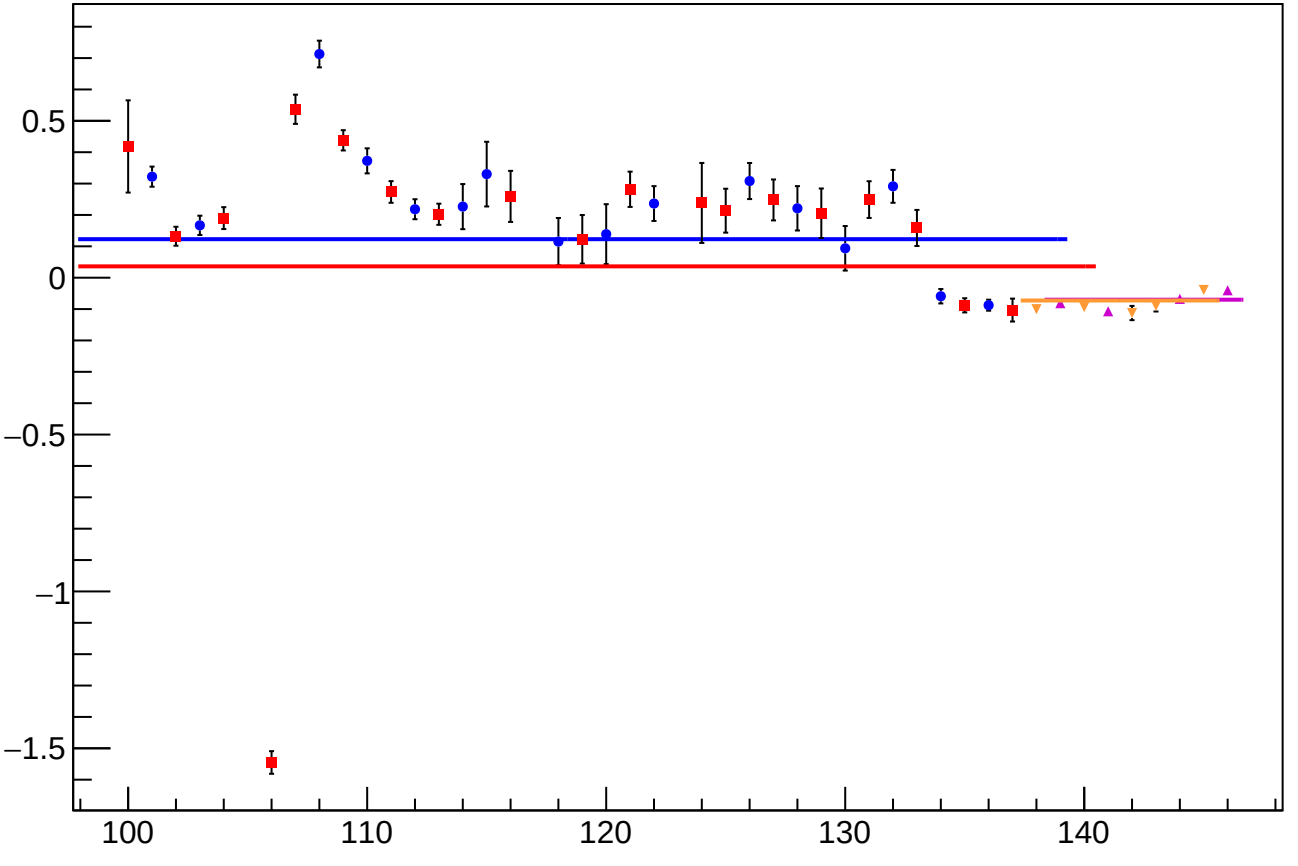
Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 19.845+/-0.109 χ^2/NDF:7309.1/19

Out: 19.537+/-0.112 χ^2/NDF:9399.5/23

All: 19.695+/-0.078 χ^2/NDF: 16712.5/43

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.073+/-0.007 χ^2/NDF:20.3/4

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.070+/-0.007 χ^2/NDF:12.1/3

Left: -0.071+/-0.005 χ^2/NDF: 32.5/8

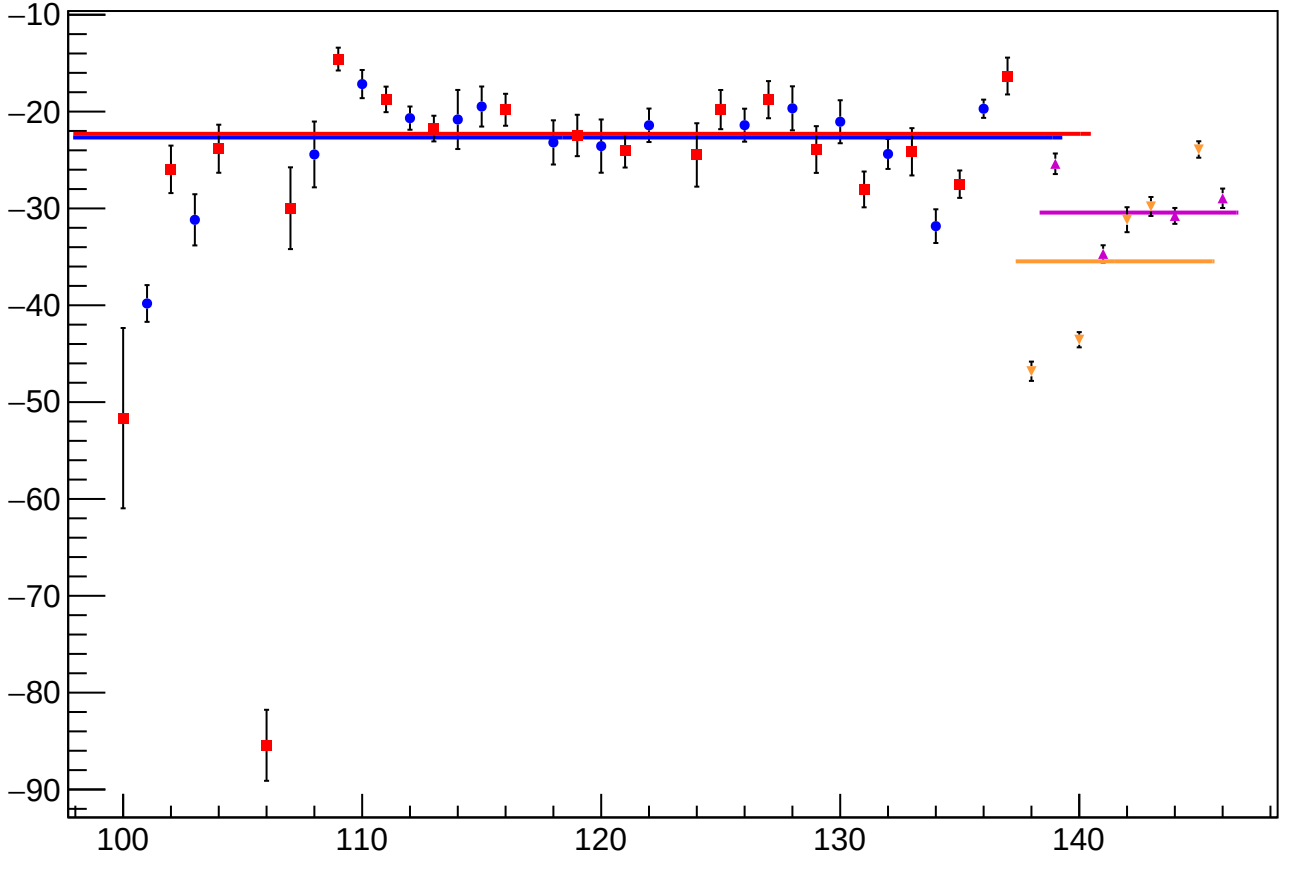
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.005+/-0.005 χ^2/NDF:809.5/19

Out: -0.039+/-0.005 χ^2/NDF:2520.7/23

All: -0.022+/-0.004 χ^2/NDF: 3350.3/43

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: -35.465+/-0.421 χ^2/NDF:465.2/4

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -30.428+/-0.464 χ^2/NDF:47.9/3

Left: -33.196+/-0.312 χ^2/NDF: 577.7/8

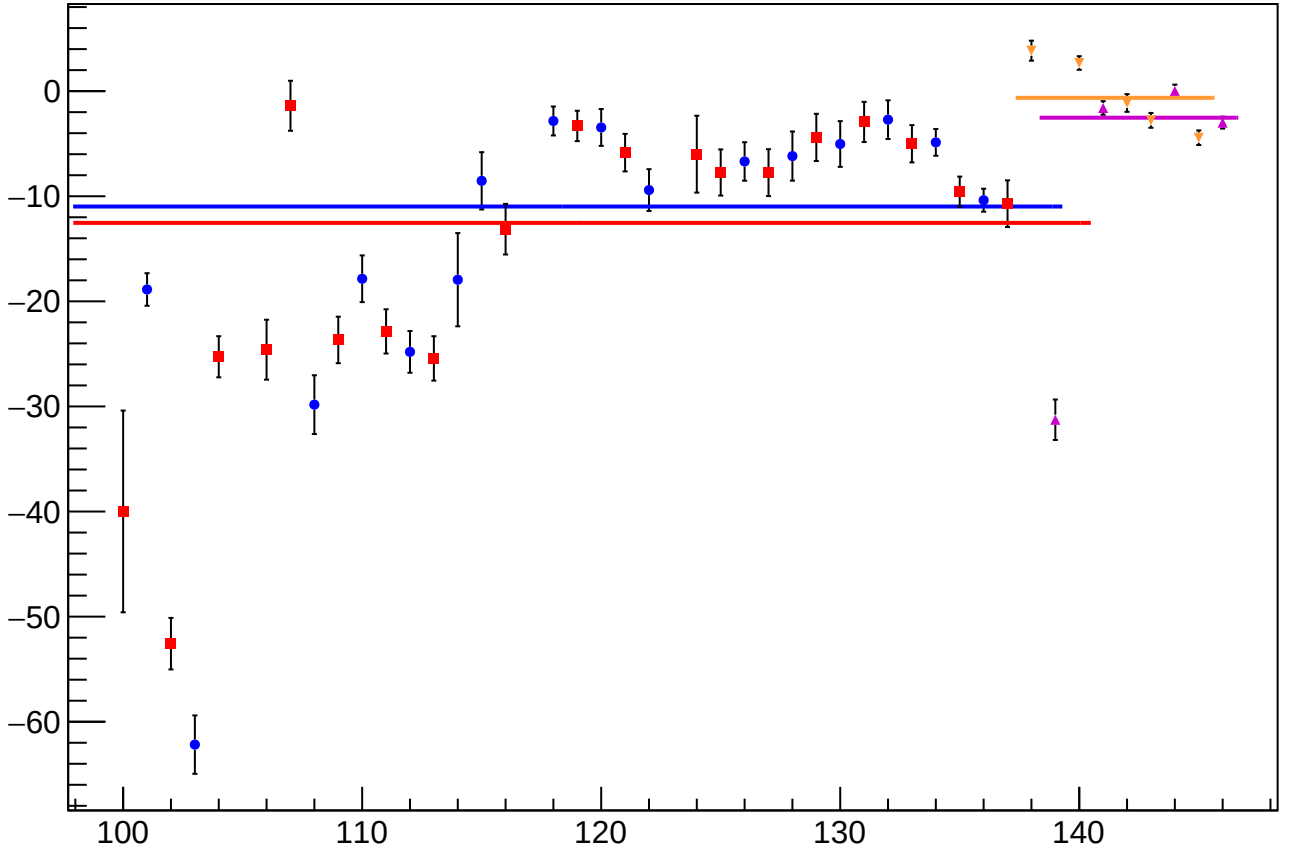
Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -26.293+/-0.317 χ^2/NDF:350.9/19

Out: -29.104+/-0.302 χ^2/NDF:1344.2/23

All: -27.766+/-0.219 χ^2/NDF: 1736.3/43

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -0.635+/-0.334 χ^2/NDF:87.6/4

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.528+/-0.342 χ^2/NDF:243.3/3

Left: -1.559+/-0.239 χ^2/NDF: 346.5/8

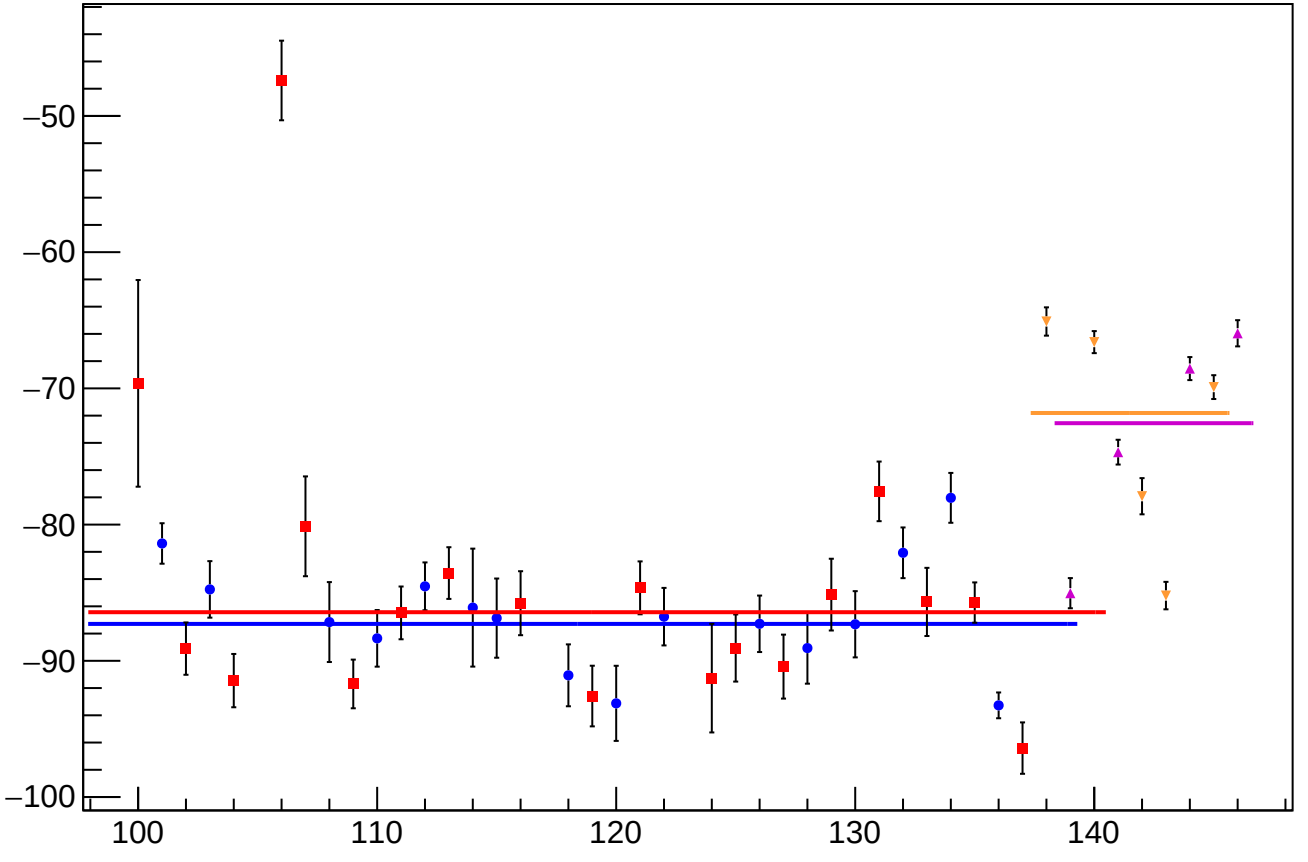
Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -5.593+/-0.273 χ^2/NDF:1052.0/19

Out: -4.507+/-0.274 χ^2/NDF:1072.5/23

All: -5.053+/-0.194 χ^2/NDF: 2132.3/43

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -71.806+/-0.434 χ^2/NDF:285.8/4

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -72.555+/-0.471 χ^2/NDF:202.0/3

Left: -72.150+/-0.319 χ^2/NDF: 489.3/8

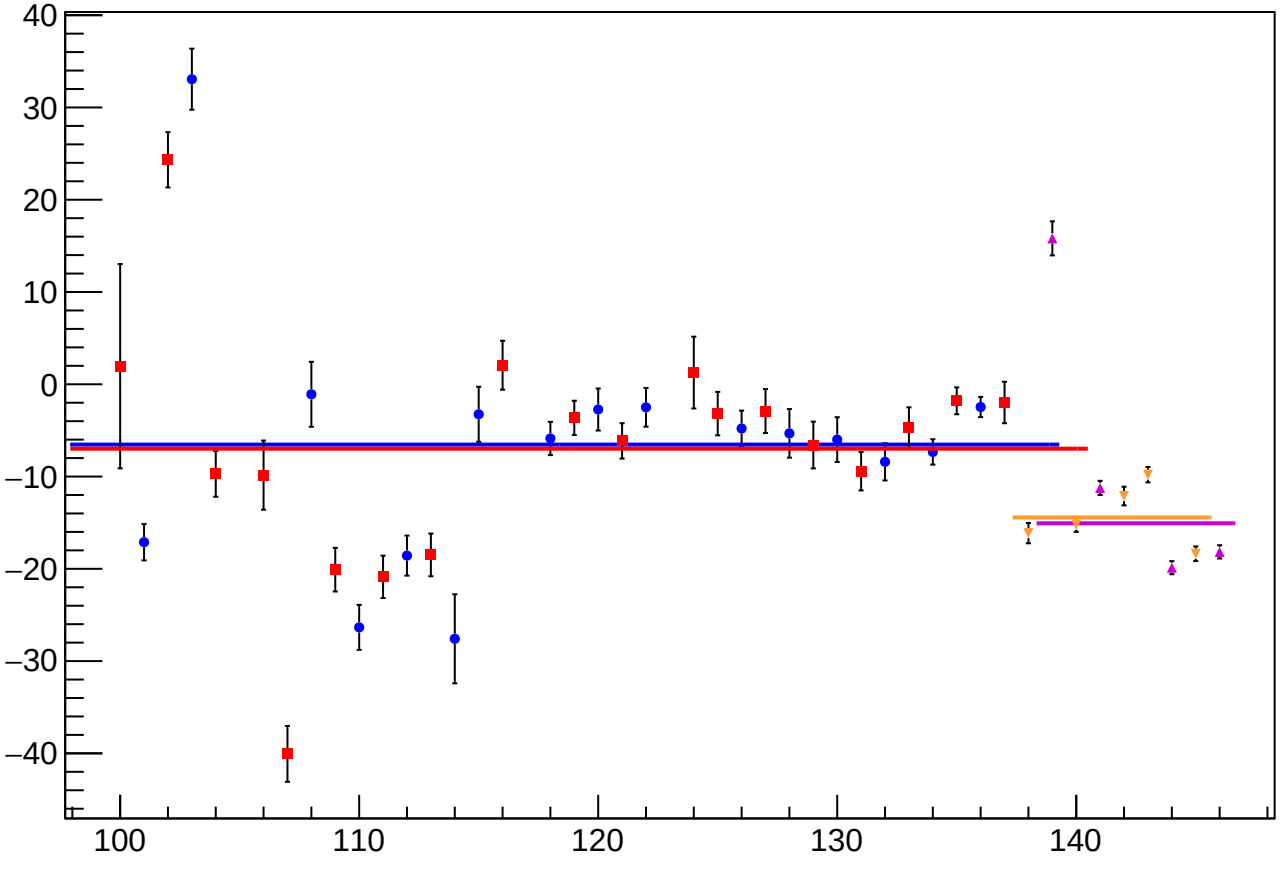
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -79.777+/-0.336 χ^2/NDF:782.6/19

Out: -78.003+/-0.329 χ^2/NDF:1032.2/23

All: -78.871+/-0.235 χ^2/NDF: 1829.0/43

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: -14.431+/-0.394 χ^2/NDF:63.7/4

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -15.066+/-0.412 χ^2/NDF:368.8/3

Left: -14.735+/-0.285 χ^2/NDF: 433.7/8

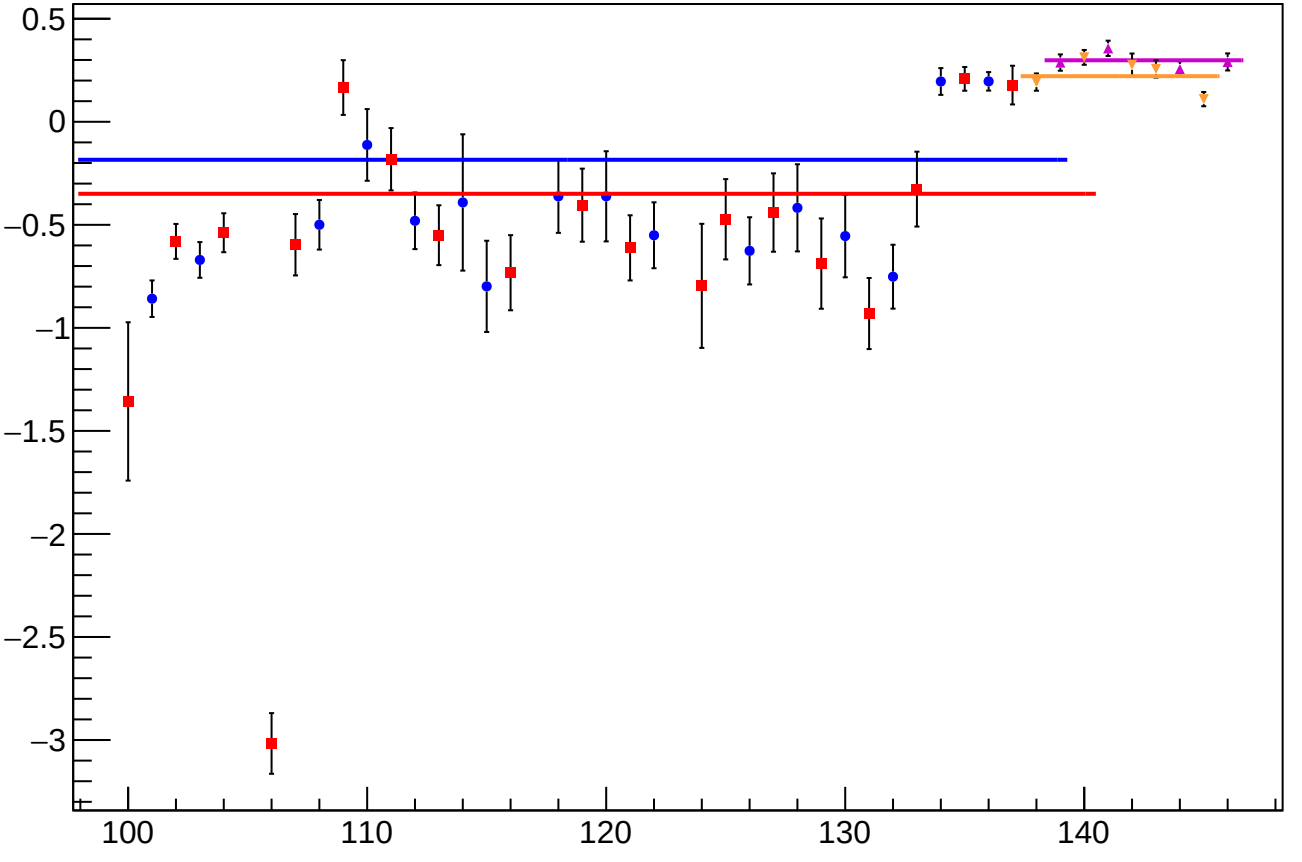
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -11.684+/-0.320 χ^2/NDF:853.0/19

Out: -11.854+/-0.319 χ^2/NDF:555.8/23

All: -11.769+/-0.226 χ^2/NDF: 1409.0/43

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: 0.221+/-0.018 χ^2/NDF:18.9/4

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.298+/-0.019 χ^2/NDF:3.8/3

Left: 0.257+/-0.013 χ^2/NDF: 31.2/8

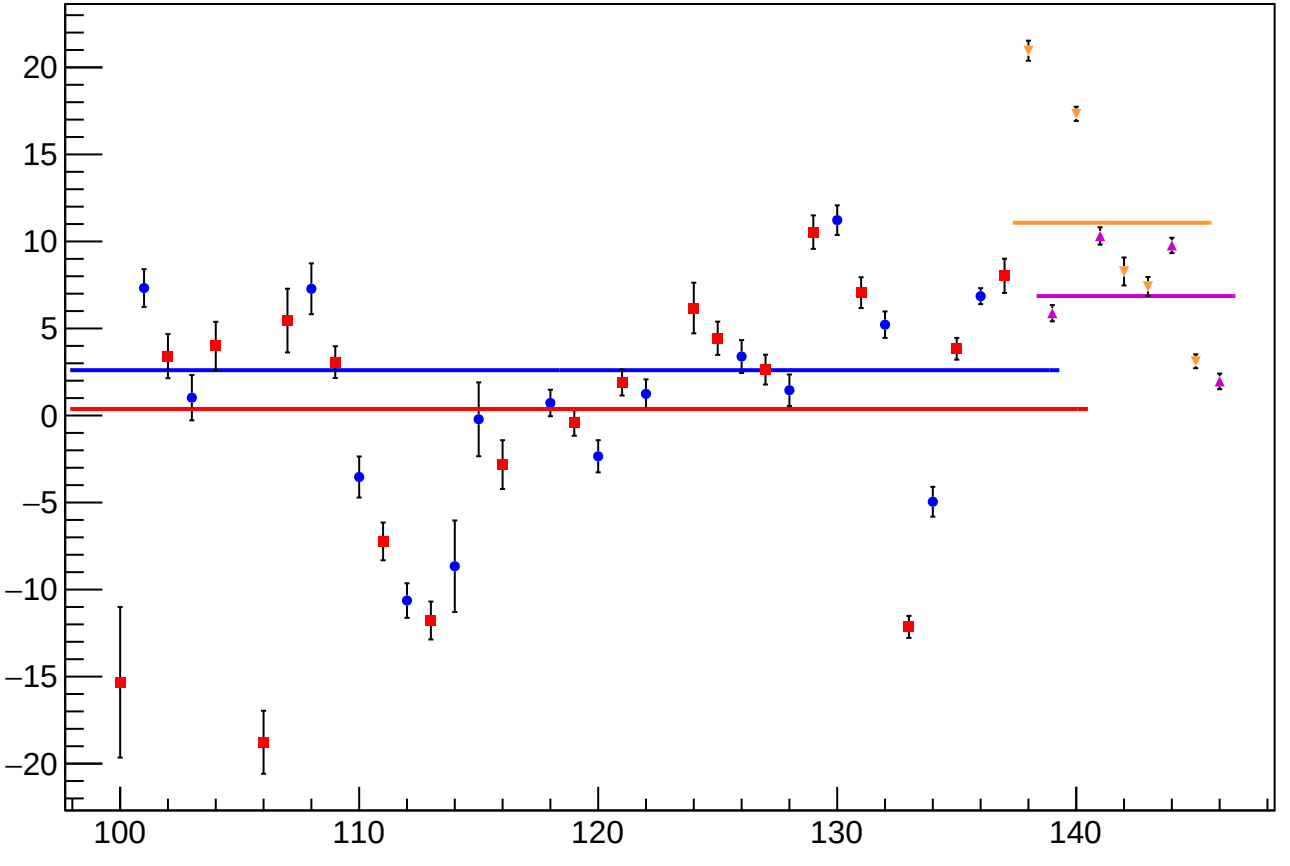
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.132+/-0.016 χ^2/NDF:464.0/19

Out: 0.065+/-0.015 χ^2/NDF:810.3/23

All: 0.097+/-0.011 χ^2/NDF: 1283.6/43

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 11.076+/-0.222 χ^2/NDF:986.5/4

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 6.861+/-0.231 χ^2/NDF:215.5/3

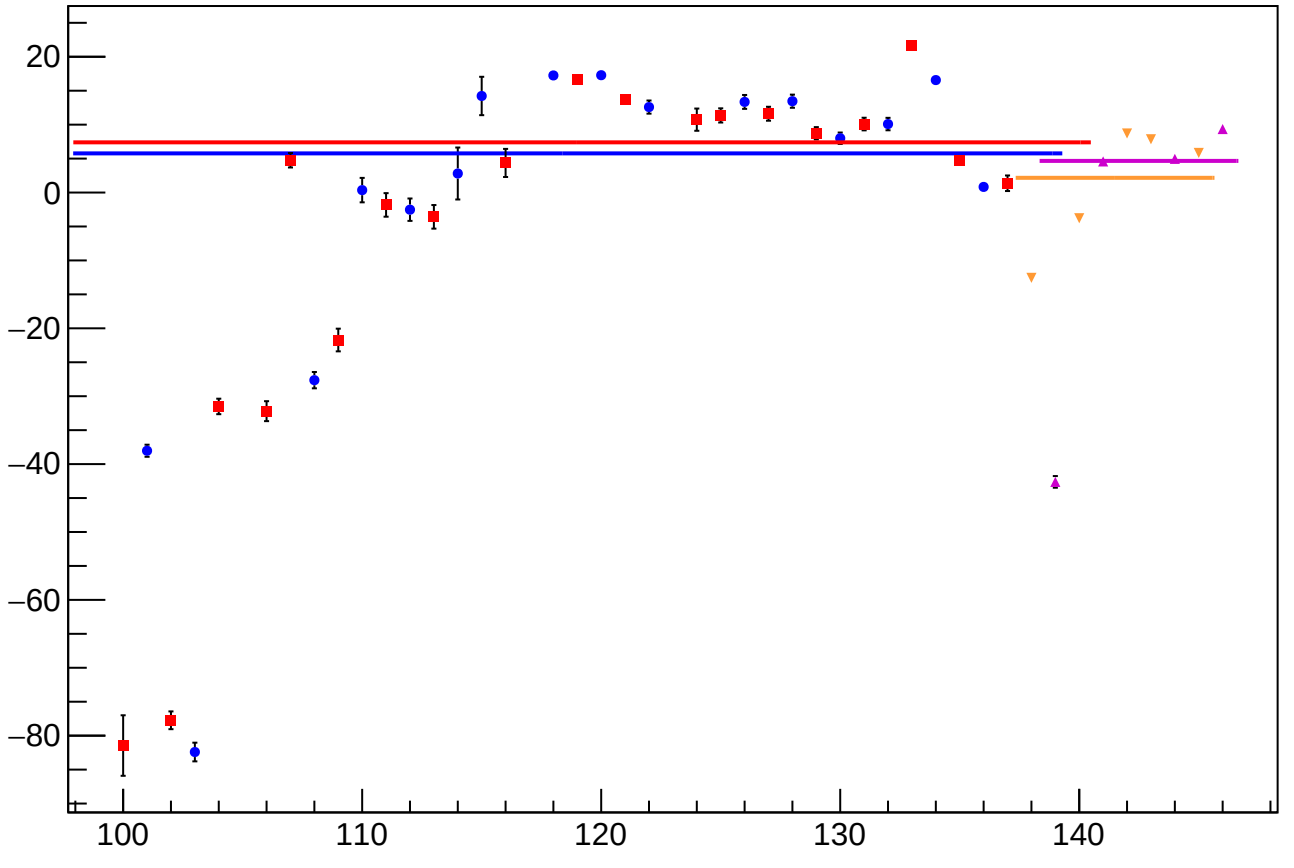
Left: 9.055+/-0.160 χ^2/NDF: 1375.2/8

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 4.668+/-0.161 χ^2/NDF:963.5/19

Out: 5.738+/-0.157 χ^2/NDF:3178.7/23

All: 5.216+/-0.112 χ^2/NDF: 4164.9/43



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 2.169+/-0.180 χ^2/NDF:1431.7/4

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 4.660+/-0.178 χ^2/NDF:3324.3/3

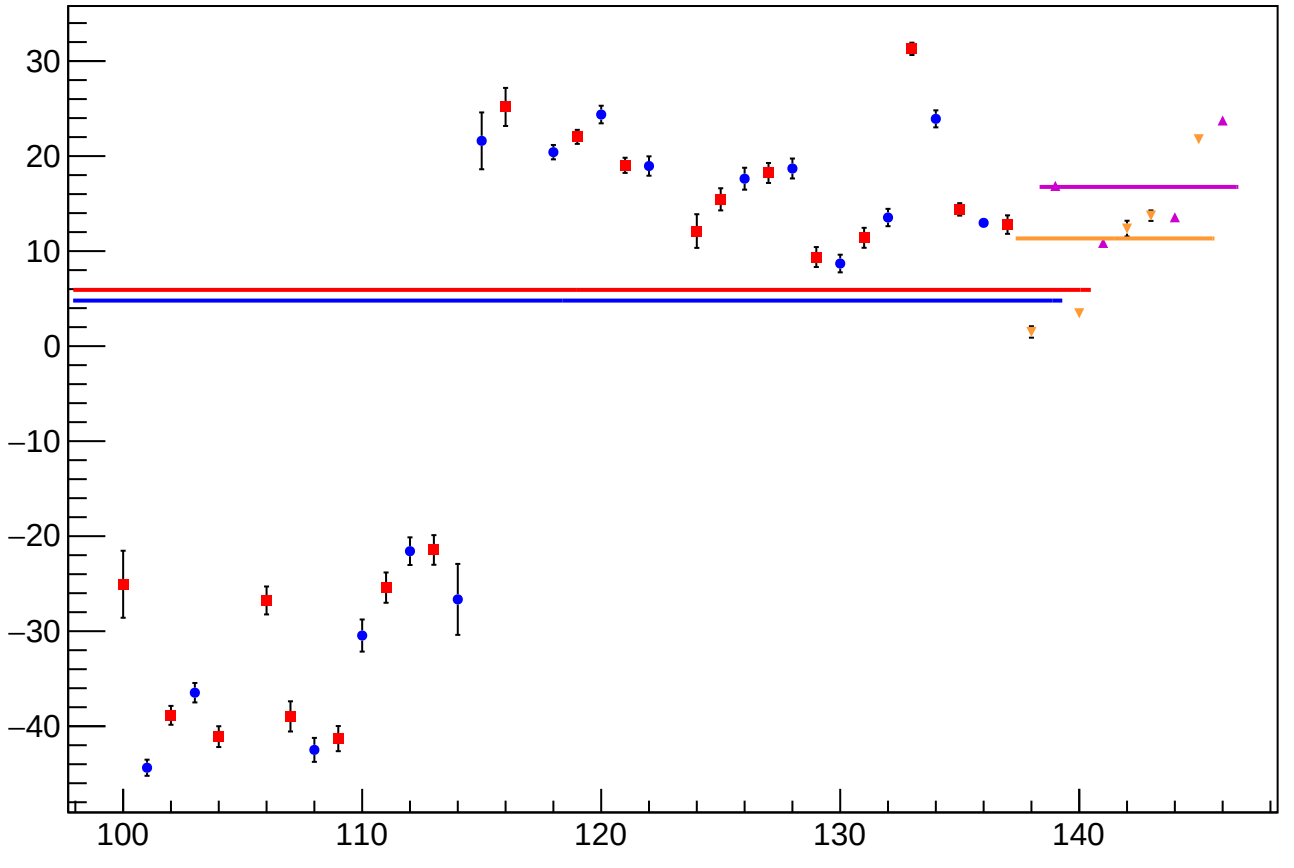
Left: 3.427+/-0.127 χ^2/NDF: 4852.4/8

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.125+/-0.136 χ^2/NDF:12274.2/19

Out: 4.401+/-0.136 χ^2/NDF:10181.0/23

All: 4.764+/-0.096 χ^2/NDF: 22469.4/43



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 11.333+/-0.229 χ^2/NDF:1291.1/4

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 16.756+/-0.234 χ^2/NDF:444.8/3

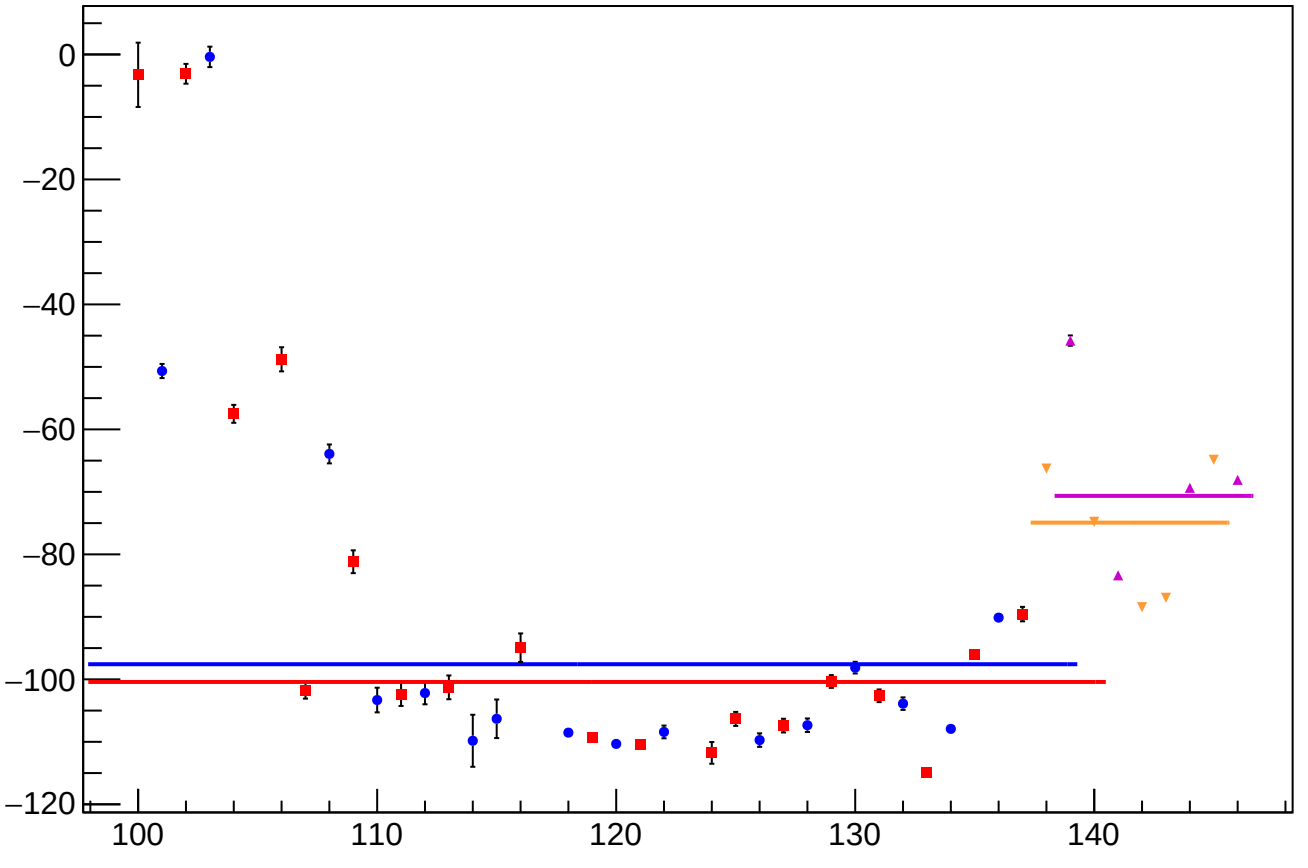
Left: 13.982+/-0.163 χ^2/NDF: 2011.0/8

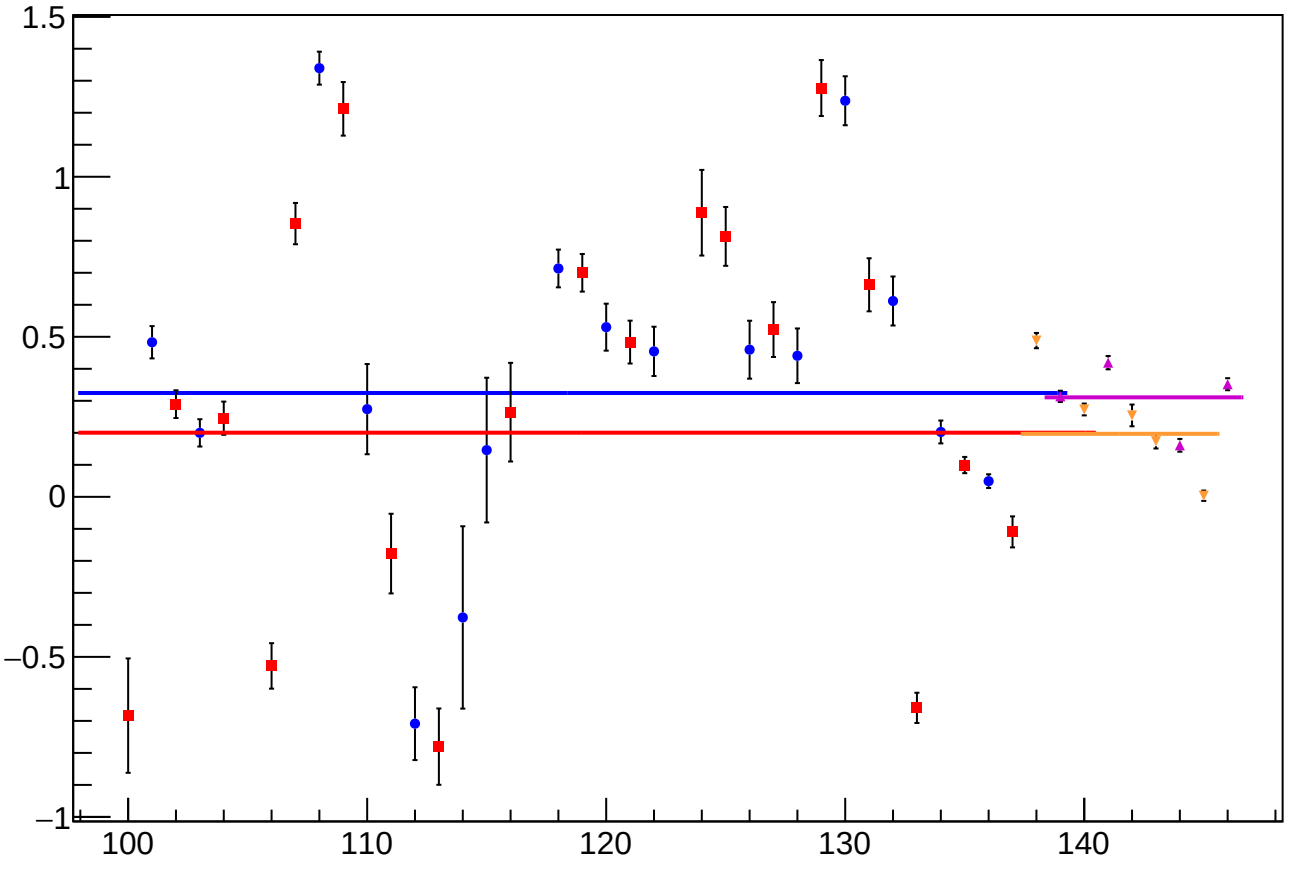
Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 10.864+/-0.167 χ^2/NDF:11229.9/19

Out: 8.758+/-0.165 χ^2/NDF:11617.3/23

All: 9.803+/-0.117 χ^2/NDF: 22927.6/43


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
Right In: -97.581+/-0.242 χ²/NDF: 7144.2/15
Left Out: -74.920+/-0.211 χ²/NDF:2022.0/4
Right Out: -100.418+/-0.241 χ²/NDF: 7115.7/18
Left In: -70.641+/-0.212 χ²/NDF:1835.2/3
Left: -72.788+/-0.150 χ²/NDF: 4061.8/8
Right: -99.004+/-0.171 χ²/NDF: 14329.0/34
In: -82.348+/-0.159 χ²/NDF:16004.8/19
Out: -85.997+/-0.159 χ²/NDF:15469.9/23
All: -84.178+/-0.112 χ²/NDF: 31737.7/43



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.197+/-0.009 χ^2/NDF:312.5/4

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.311+/-0.010 χ^2/NDF:87.9/3

Left: 0.253+/-0.007 χ^2/NDF: 472.1/8

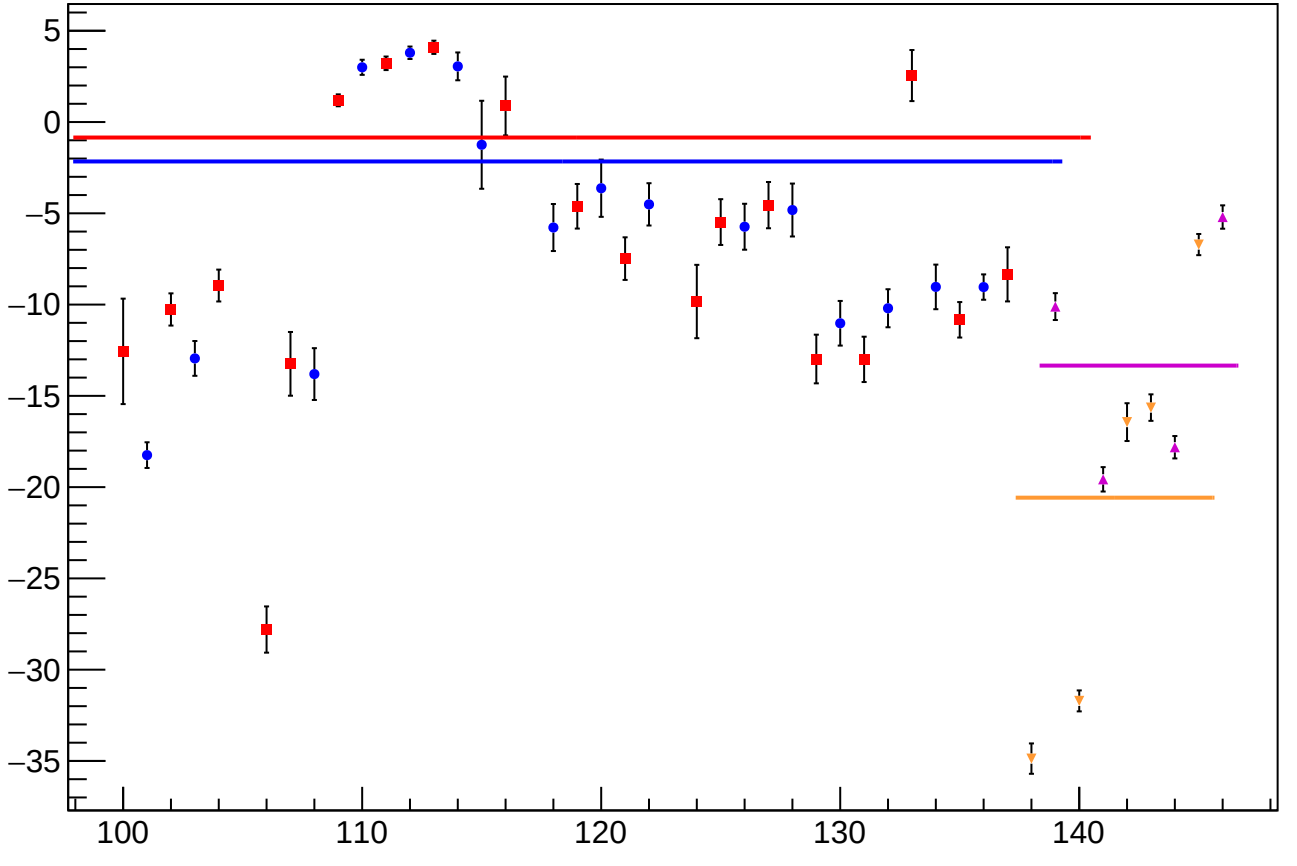
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.316+/-0.008 χ^2/NDF:975.1/19

Out: 0.198+/-0.008 χ^2/NDF:1518.8/23

All: 0.257+/-0.006 χ^2/NDF: 2607.8/43

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: -20.577+/-0.312 χ^2/NDF:1304.7/4

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -13.342+/-0.330 χ^2/NDF:321.0/3

Left: -17.164+/-0.227 χ^2/NDF: 1879.5/8

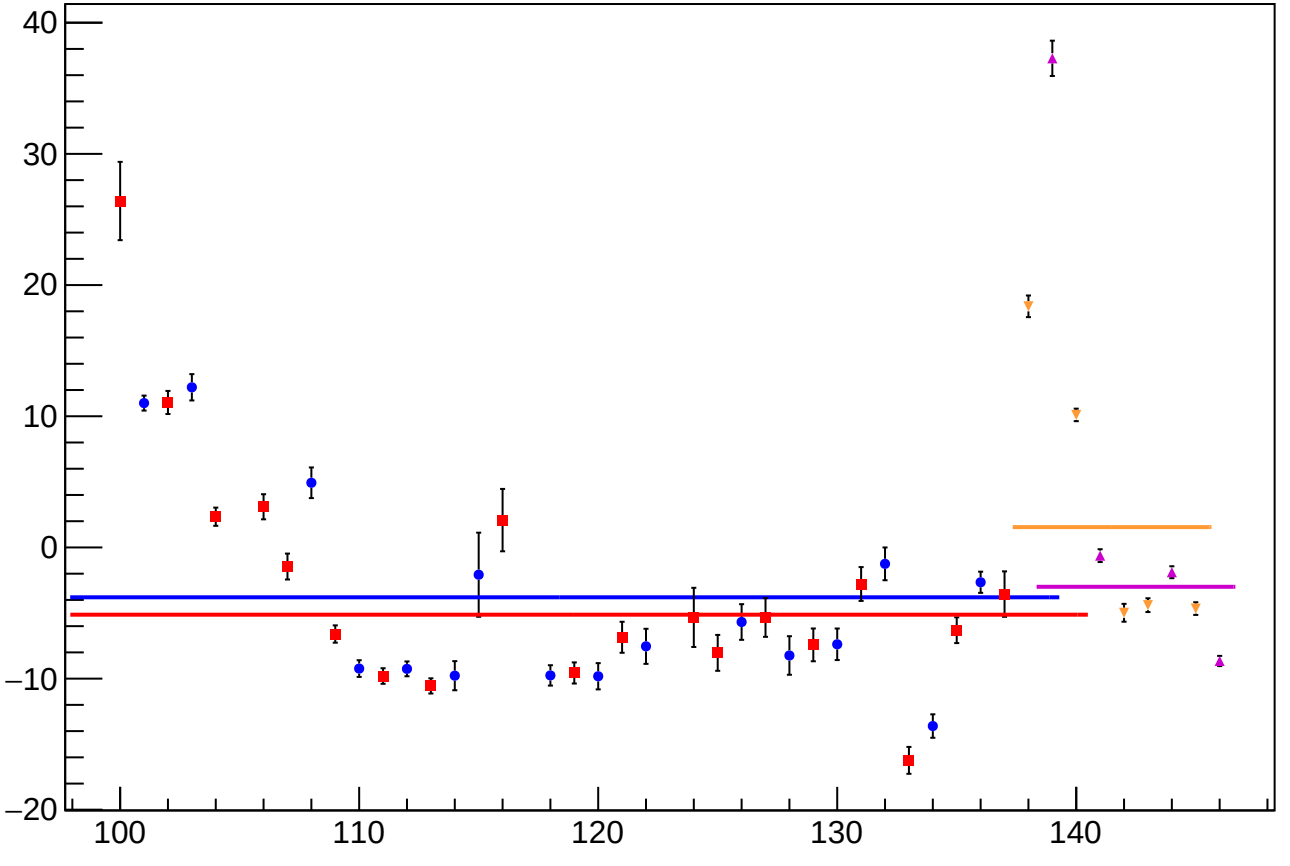
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -4.987+/-0.166 χ^2/NDF:2669.9/19

Out: -5.383+/-0.150 χ^2/NDF:5851.6/23

All: -5.206+/-0.111 χ^2/NDF: 8524.7/43

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: 1.549+/-0.251 χ^2/NDF:1121.8/4

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -3.000+/-0.248 χ^2/NDF:1137.8/3

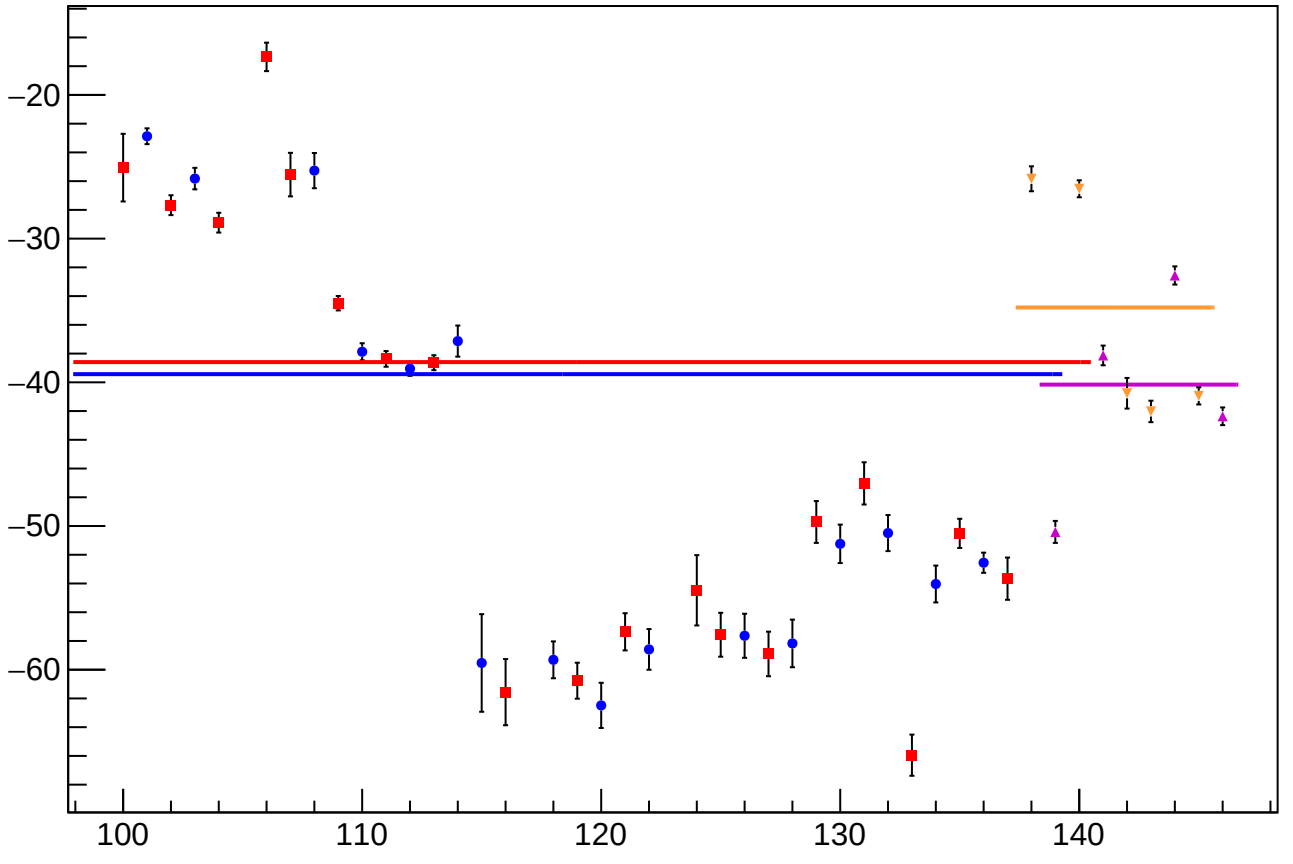
Left: -0.749+/-0.176 χ^2/NDF: 2425.8/8

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.438+/-0.167 χ^2/NDF:2569.0/19

Out: -2.241+/-0.165 χ^2/NDF:2504.8/23

All: -2.832+/-0.117 χ^2/NDF: 5099.8/43



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -34.792+/-0.321 χ^2/NDF:534.0/4

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -40.159+/-0.334 χ^2/NDF:345.2/3

Left: -37.373+/-0.232 χ^2/NDF: 1013.4/8

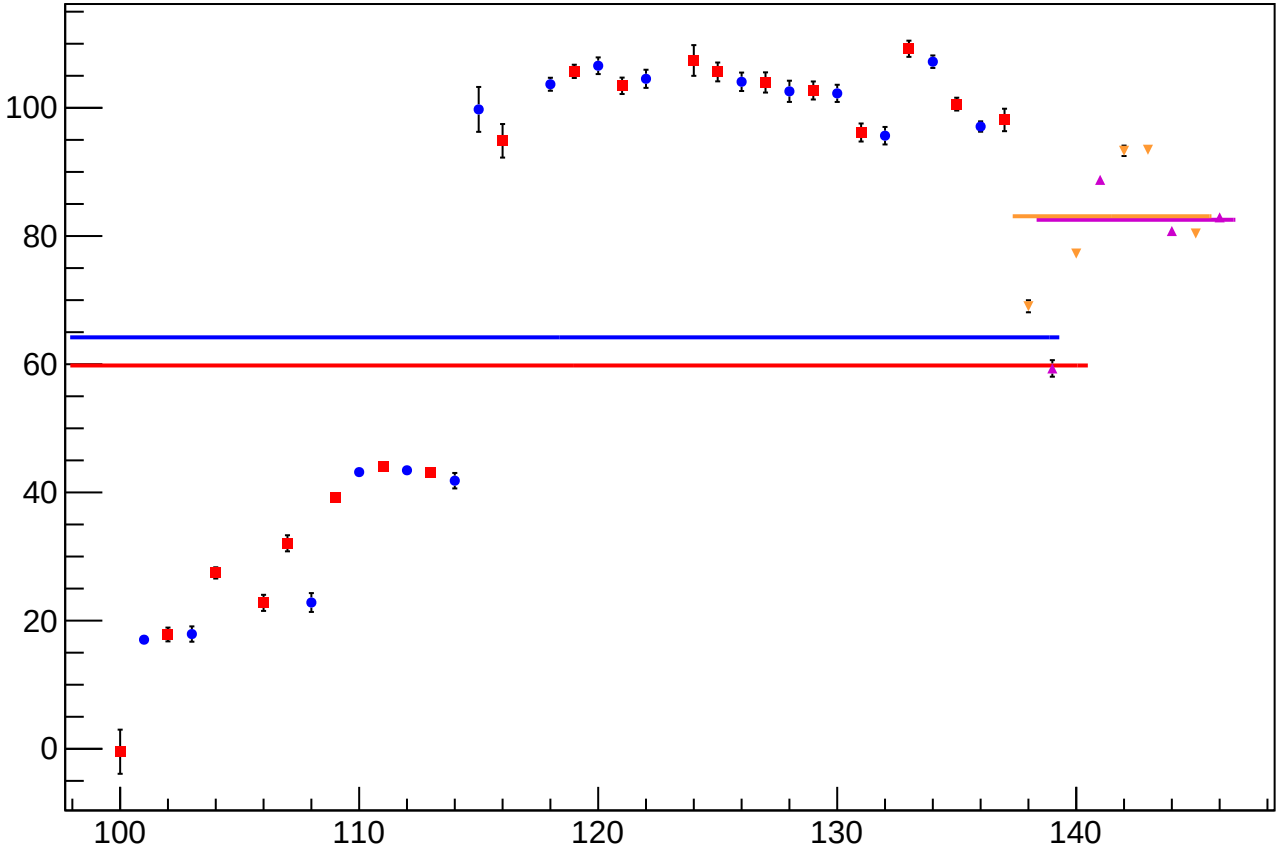
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -39.659+/-0.187 χ^2/NDF:3306.5/19

Out: -37.436+/-0.177 χ^2/NDF:3403.5/23

All: -38.489+/-0.129 χ^2/NDF: 6784.6/43

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 83.085+/-0.294 χ^2/NDF:785.0/4

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 82.537+/-0.296 χ^2/NDF:448.5/3

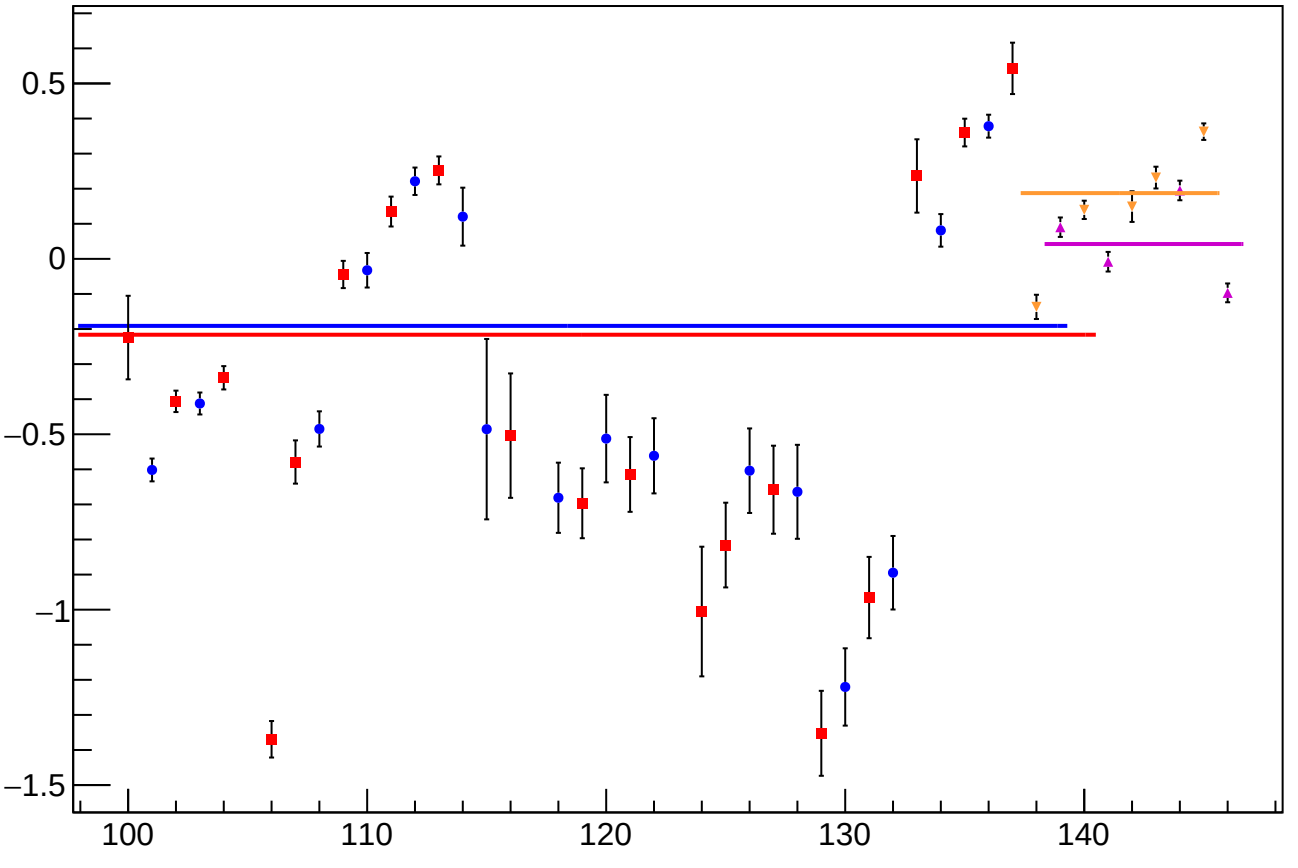
Left: 82.813+/-0.209 χ^2/NDF: 1235.3/8

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 72.101+/-0.194 χ^2/NDF:21231.5/19

Out: 69.506+/-0.190 χ^2/NDF:21866.6/23

All: 70.775+/-0.136 χ^2/NDF: 43189.2/43



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.187+/-0.013 χ^2/NDF:149.5/4

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: 0.042+/-0.014 χ^2/NDF:63.1/3

Left: 0.118+/-0.010 χ^2/NDF: 270.0/8

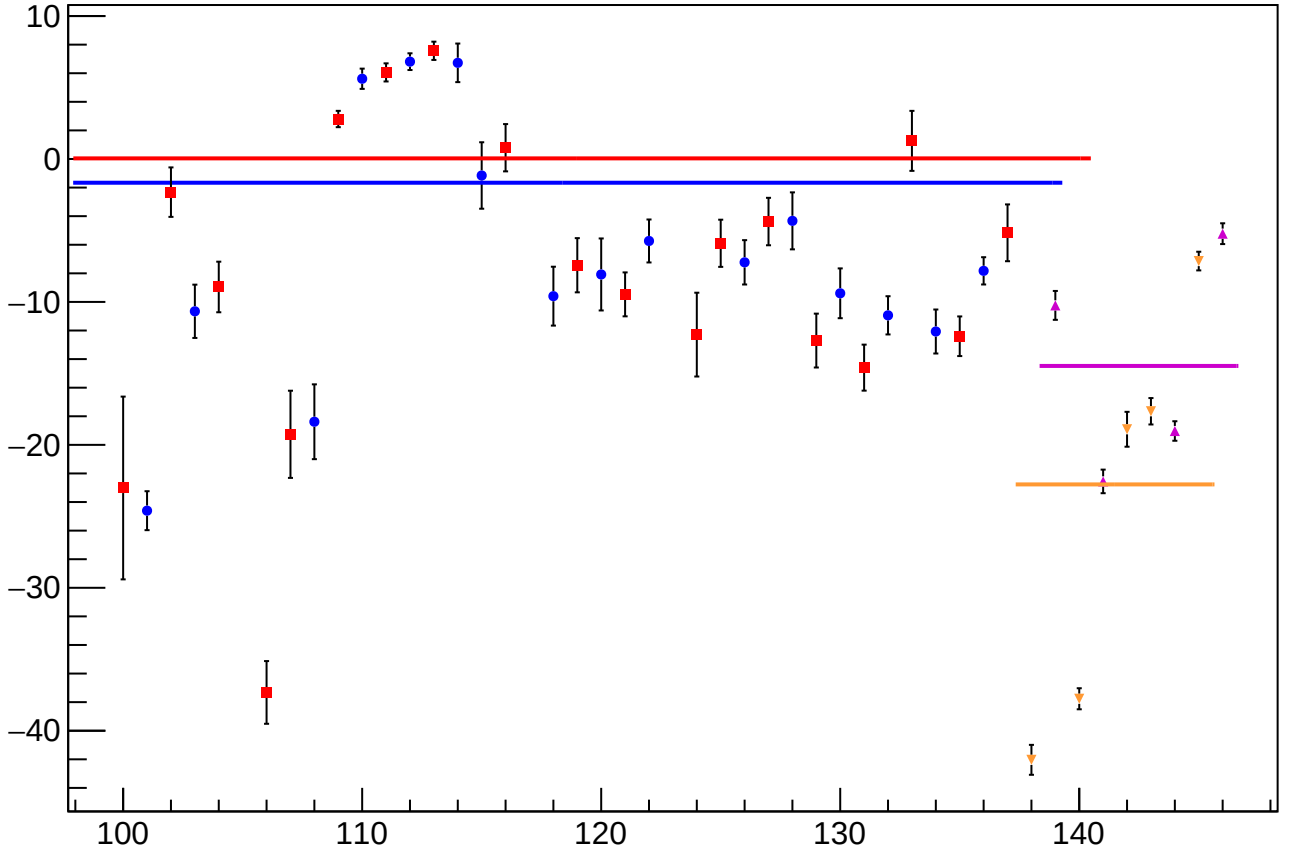
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.077+/-0.010 χ^2/NDF:1128.3/19

Out: -0.020+/-0.009 χ^2/NDF:1991.6/23

All: -0.047+/-0.007 χ^2/NDF: 3138.6/43

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: -22.767+/-0.380 χ^2/NDF:1366.2/4

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -14.478+/-0.393 χ^2/NDF:319.7/3

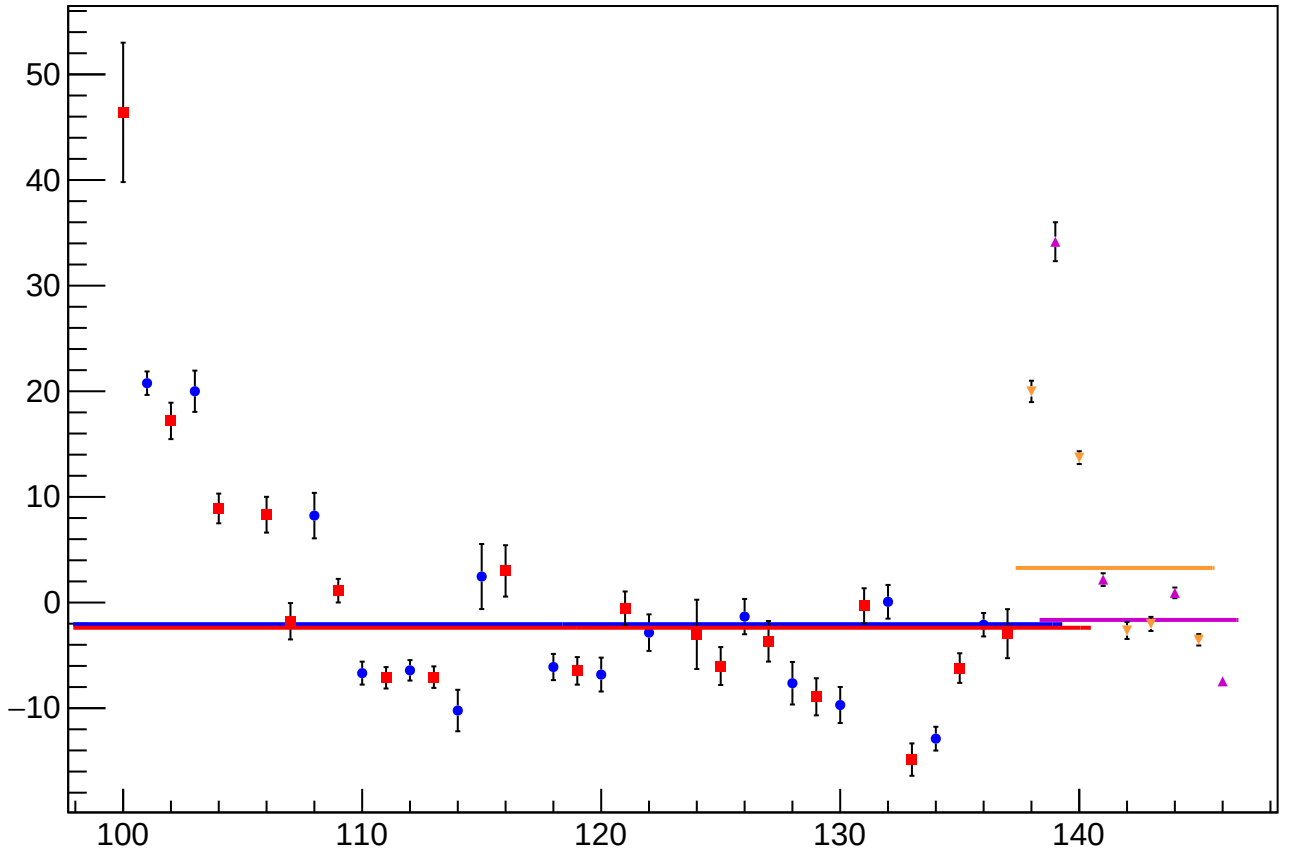
Left: -18.764+/-0.273 χ^2/NDF: 1916.2/8

Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -6.543+/-0.242 χ^2/NDF:1879.4/19

Out: -8.067+/-0.226 χ^2/NDF:4624.8/23

All: -7.357+/-0.165 χ^2/NDF: 6525.3/43



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 3.277+/-0.302 χ^2/NDF:844.9/4

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -1.645+/-0.284 χ^2/NDF:625.6/3

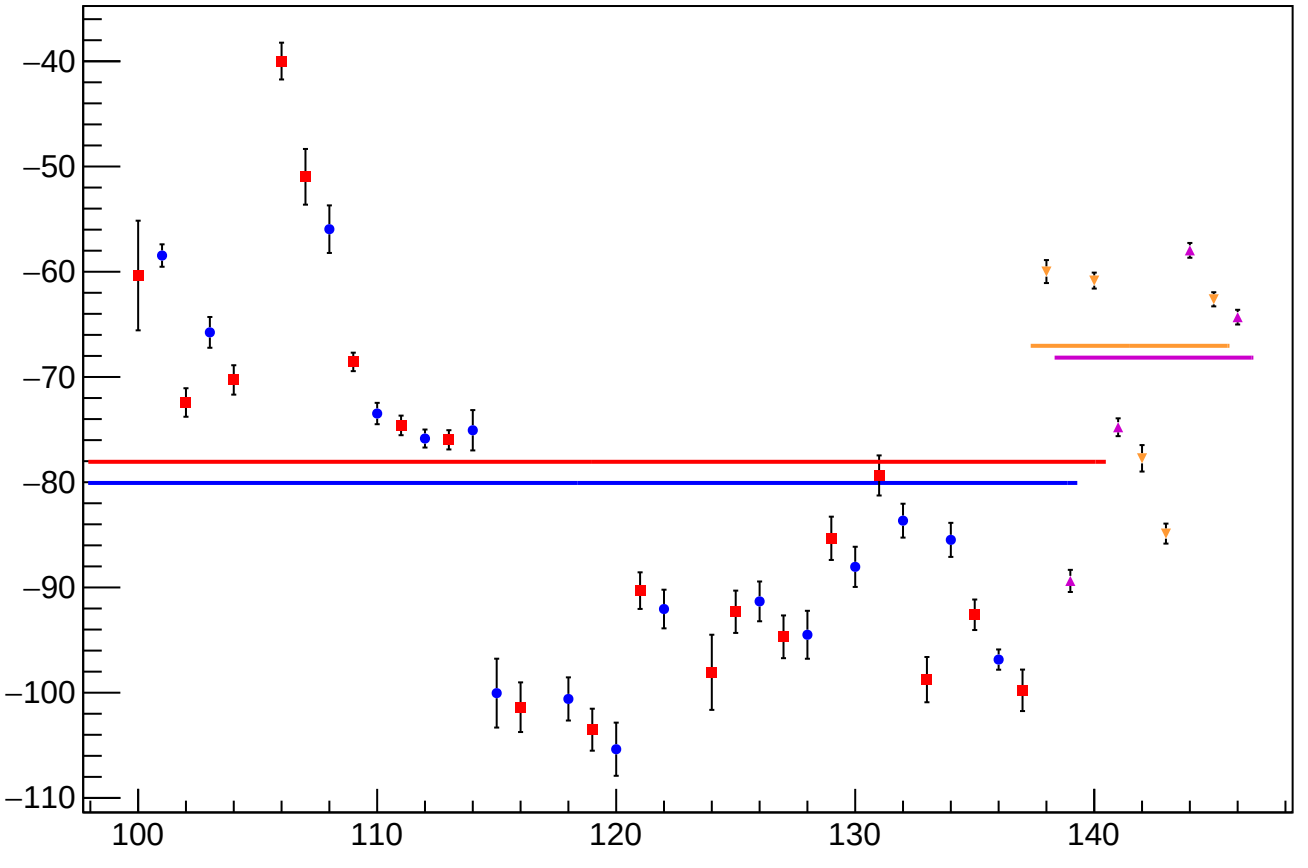
Left: 0.663+/-0.207 χ^2/NDF: 1611.2/8

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -1.803+/-0.222 χ^2/NDF:1398.3/19

Out: 0.898+/-0.230 χ^2/NDF:1443.1/23

All: -0.501+/-0.160 χ^2/NDF: 2912.6/43



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -67.038+/-0.391 χ^2/NDF:576.7/4

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -68.161+/-0.397 χ^2/NDF:708.3/3

Left: -67.592+/-0.278 χ^2/NDF: 1289.1/8

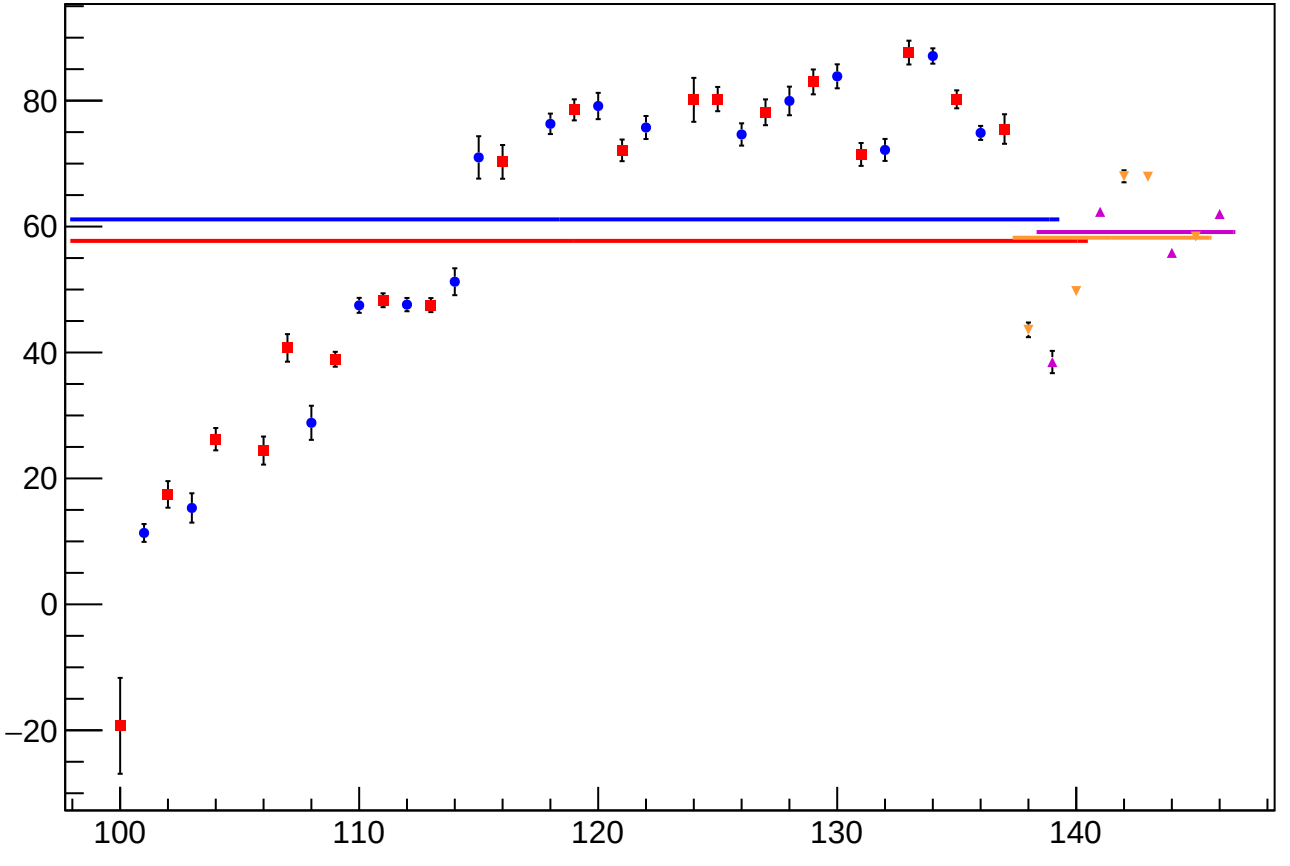
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -74.617+/-0.268 χ^2/NDF:2584.4/19

Out: -73.104+/-0.262 χ^2/NDF:2574.9/23

All: -73.843+/-0.188 χ^2/NDF: 5175.6/43

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 58.232+/-0.355 χ^2/NDF:546.7/4

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 59.131+/-0.342 χ^2/NDF:215.8/3

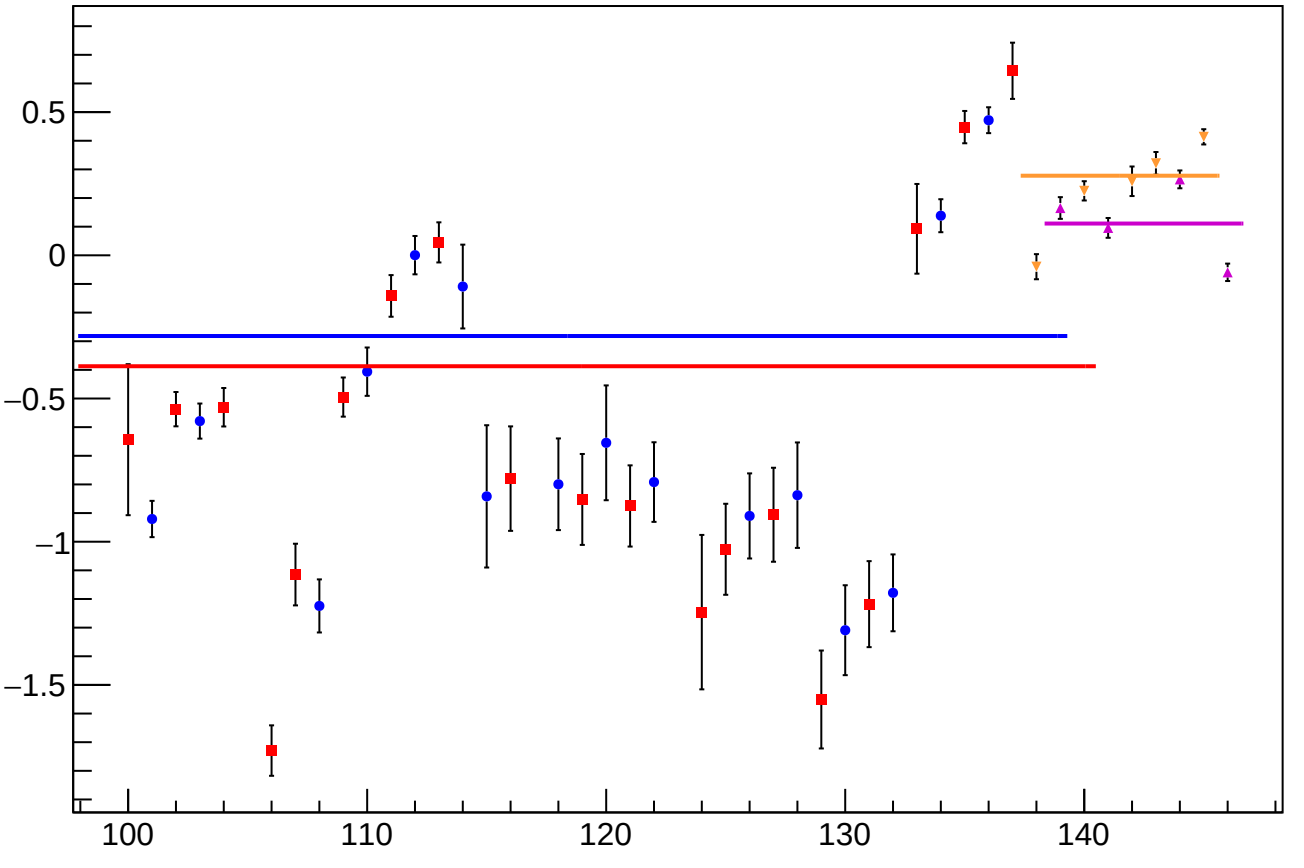
Left: 58.699+/-0.246 χ^2/NDF: 765.8/8

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 59.977+/-0.260 χ^2/NDF:3459.6/19

Out: 58.010+/-0.266 χ^2/NDF:3323.2/23

All: 59.014+/-0.186 χ^2/NDF: 6810.8/43



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.278+/-0.016 χ^2/NDF:82.3/4

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.111+/-0.017 χ^2/NDF:58.2/3

Left: 0.196+/-0.012 χ^2/NDF: 192.6/8

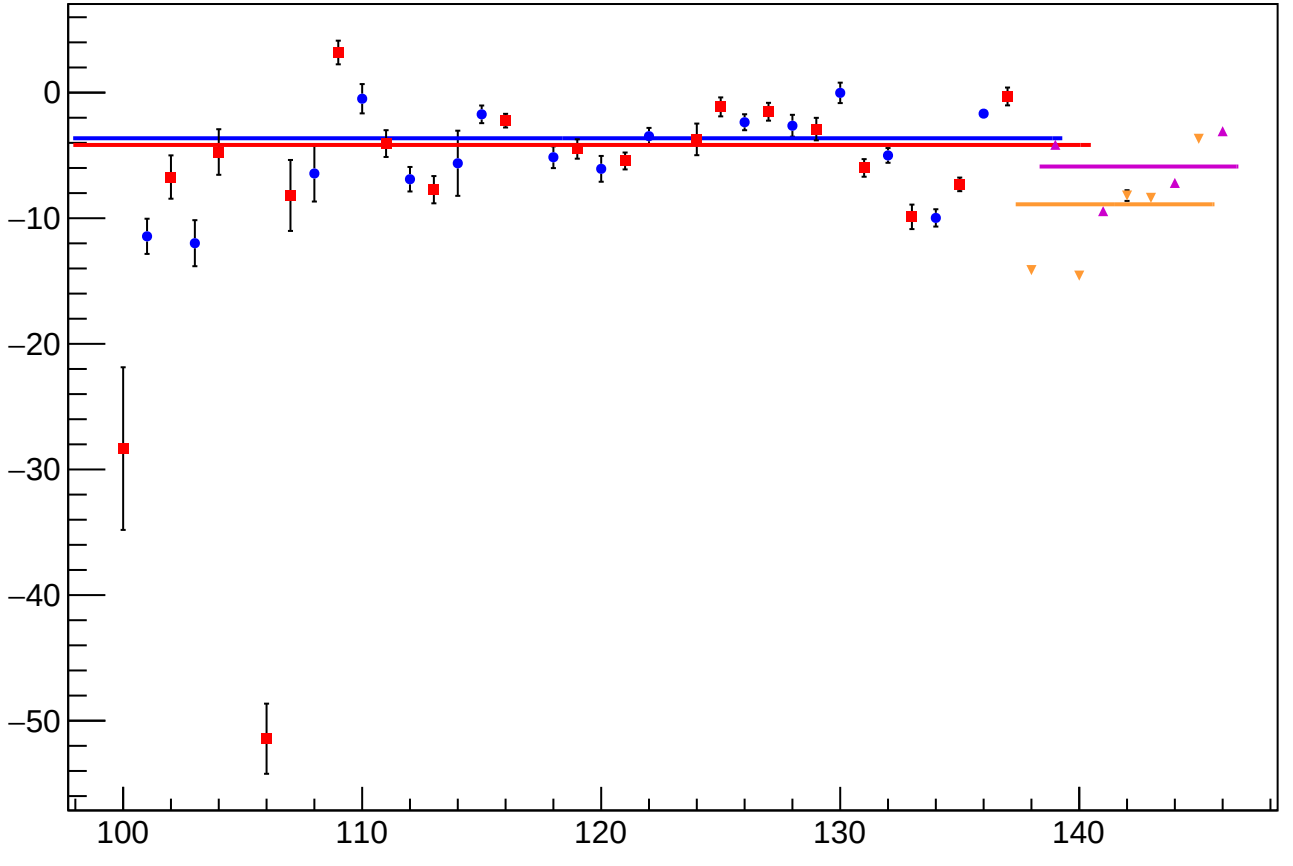
Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.034+/-0.013 χ^2/NDF:994.2/19

Out: 0.044+/-0.013 χ^2/NDF:1498.3/23

All: 0.005+/-0.009 χ^2/NDF: 2510.1/43

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.892+/-0.130 χ^2/NDF:1266.0/4

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -5.884+/-0.132 χ^2/NDF:351.3/3

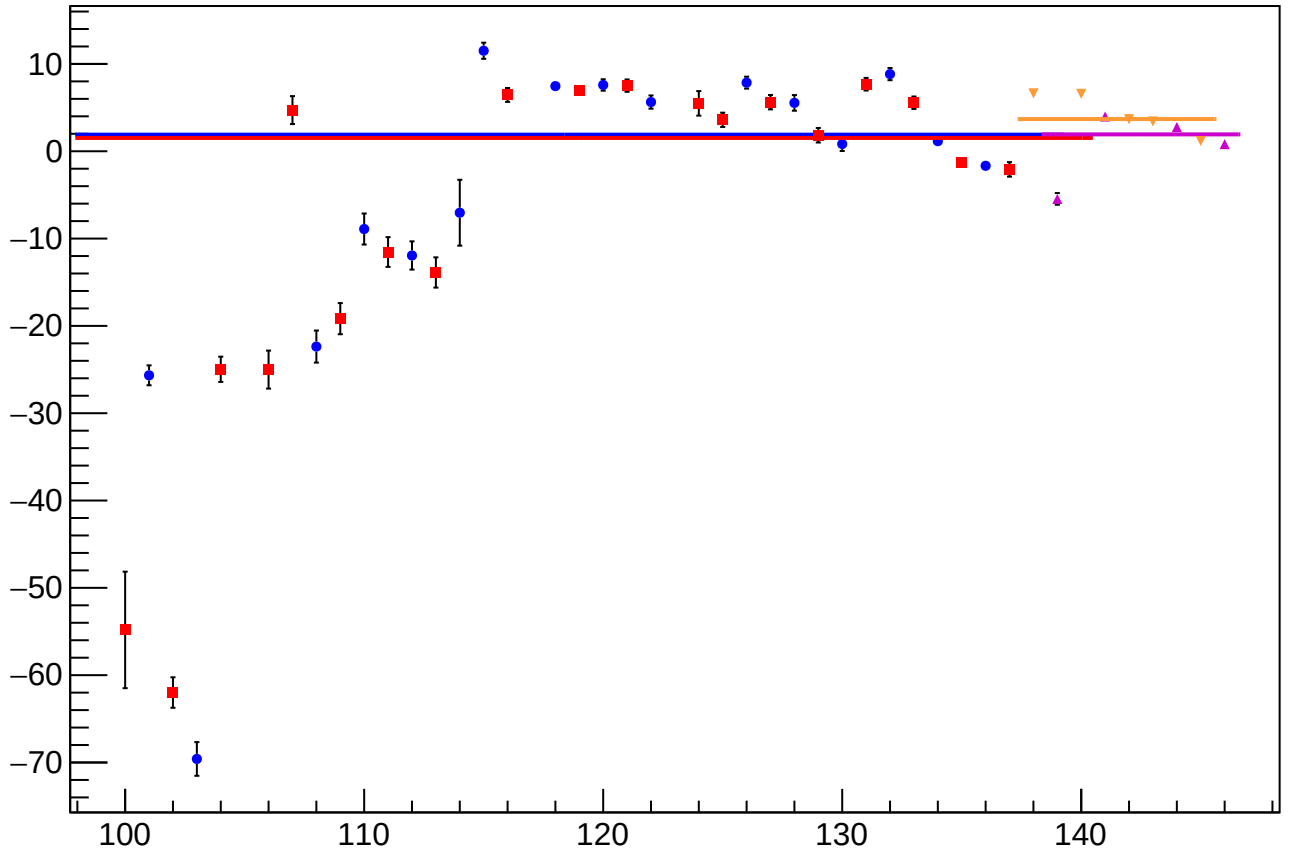
Left: -7.420+/-0.093 χ^2/NDF: 1880.6/8

Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -5.143+/-0.108 χ^2/NDF:681.1/19

Out: -7.489+/-0.109 χ^2/NDF:2190.2/23

All: -6.314+/-0.077 χ^2/NDF: 3104.6/43



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.688+/-0.103 χ^2/NDF:450.8/4

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 1.932+/-0.095 χ^2/NDF:303.6/3

Left: 2.736+/-0.070 χ^2/NDF: 911.8/8

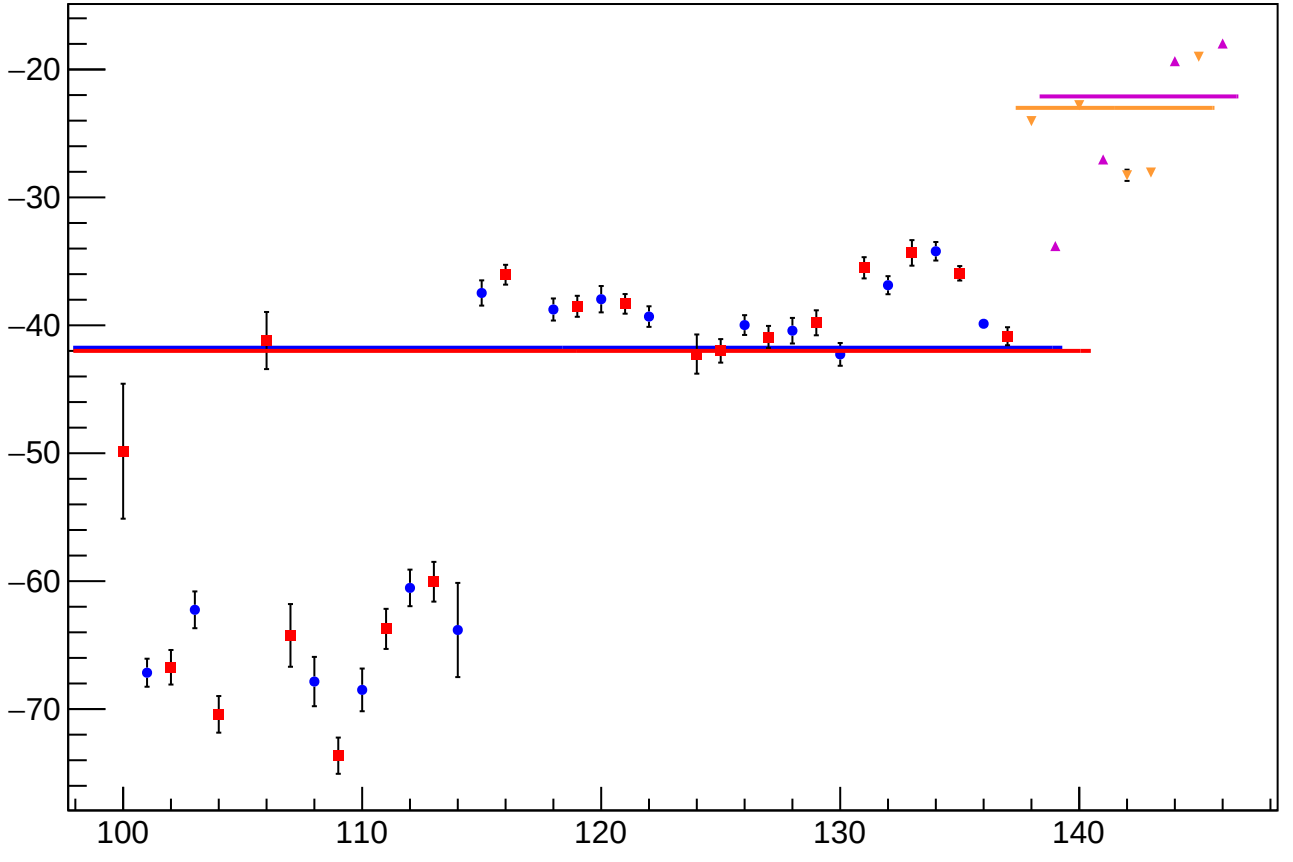
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 1.925+/-0.085 χ^2/NDF:3141.9/19

Out: 3.262+/-0.092 χ^2/NDF:3097.2/23

All: 2.536+/-0.062 χ^2/NDF: 6353.0/43

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -23.000+/-0.134 χ^2/NDF:728.7/4

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -22.106+/-0.133 χ^2/NDF:1682.6/3

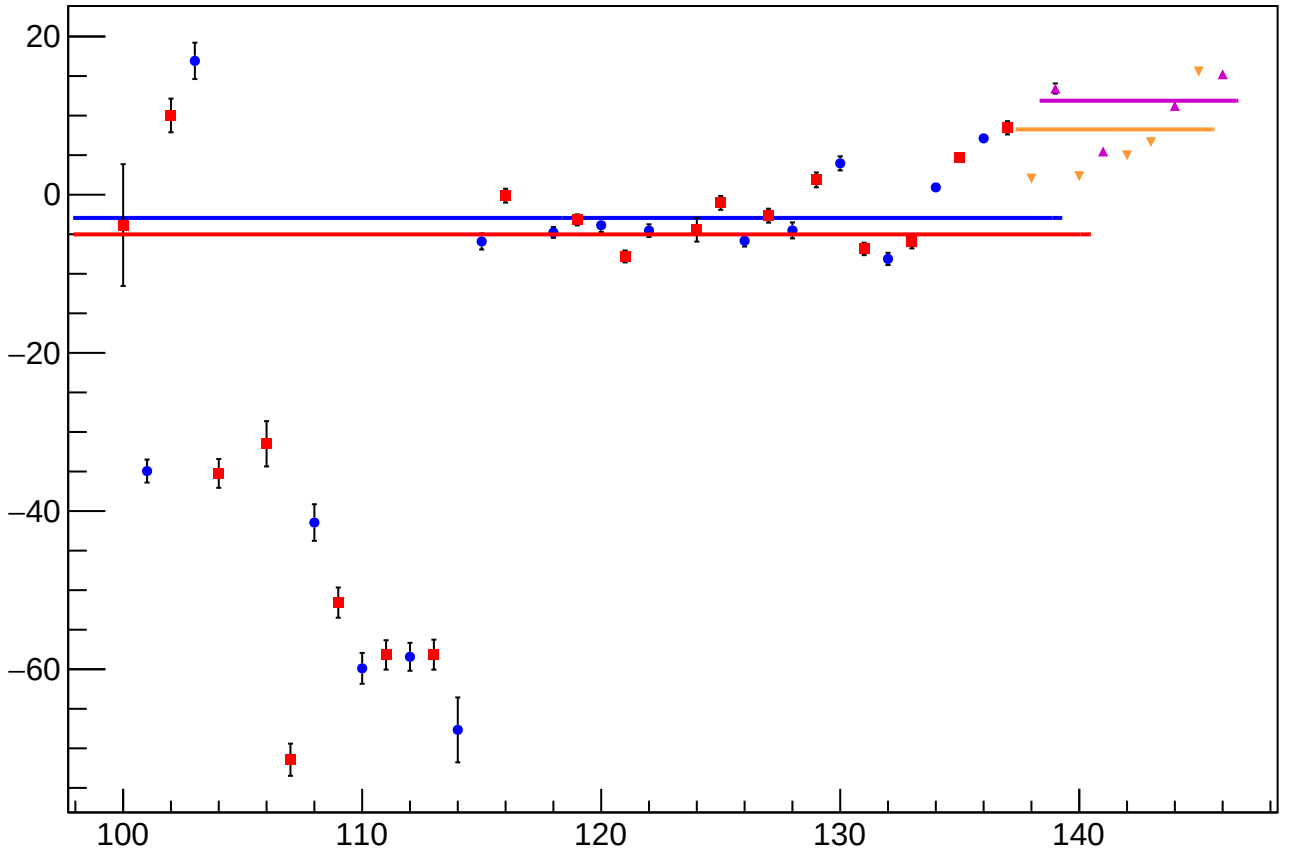
Left: -22.553+/-0.094 χ^2/NDF: 2433.7/8

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.848+/-0.112 χ^2/NDF:9652.0/19

Out: -27.847+/-0.115 χ^2/NDF:7873.8/23

All: -27.848+/-0.080 χ^2/NDF: 17525.8/43



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.255+/-0.121 χ^2/NDF:2193.8/4

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 11.879+/-0.114 χ^2/NDF:1028.9/3

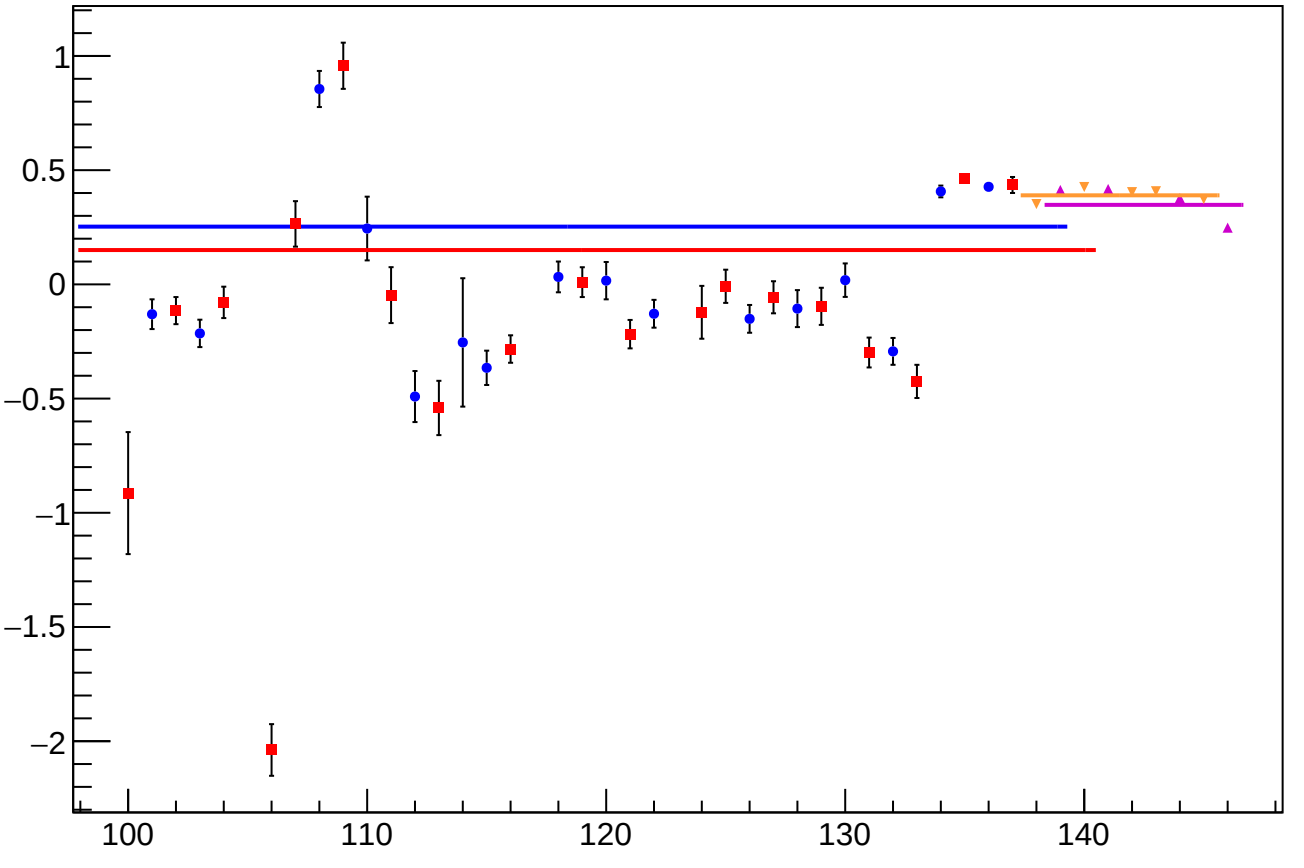
Left: 10.173+/-0.083 χ^2/NDF: 3698.1/8

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.495+/-0.100 χ^2/NDF:8607.4/19

Out: 5.414+/-0.107 χ^2/NDF:9148.1/23

All: 7.059+/-0.073 χ^2/NDF: 18196.1/43



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.390+/-0.006 χ^2/NDF:21.4/4

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.348+/-0.006 χ^2/NDF:169.3/3

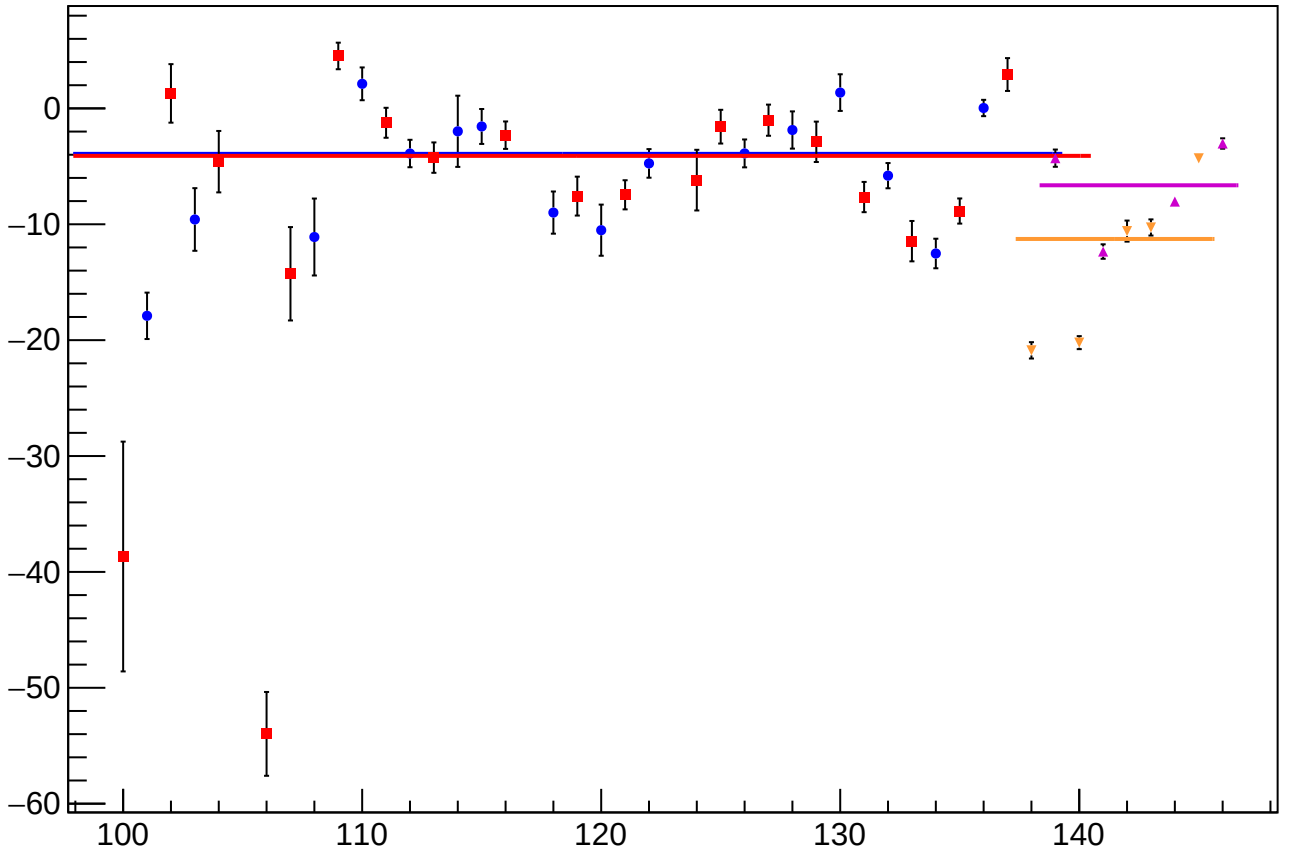
Left: 0.369+/-0.004 χ^2/NDF: 218.9/8

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.330+/-0.005 χ^2/NDF:855.9/19

Out: 0.355+/-0.005 χ^2/NDF:1314.4/23

All: 0.342+/-0.004 χ^2/NDF: 2182.8/43



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.268+/-0.259 χ^2/NDF:754.5/4

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -6.635+/-0.260 χ^2/NDF:169.2/3

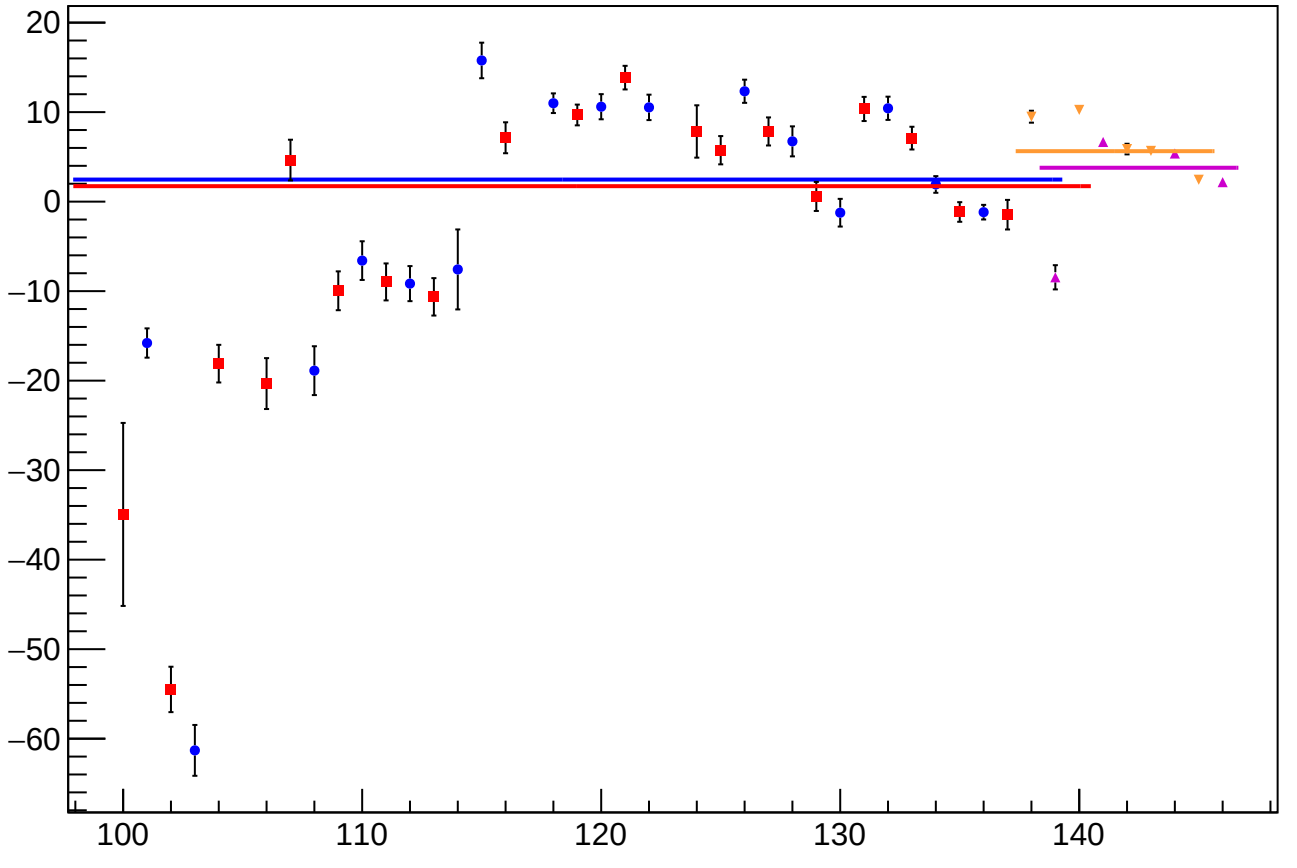
Left: -8.964+/-0.184 χ^2/NDF: 1082.8/8

Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -5.655+/-0.208 χ^2/NDF:397.2/19

Out: -8.792+/-0.210 χ^2/NDF:1385.9/23

All: -7.212+/-0.148 χ^2/NDF: 1896.0/43



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.637+/-0.206 χ^2/NDF:232.5/4

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.785+/-0.183 χ^2/NDF:184.5/3

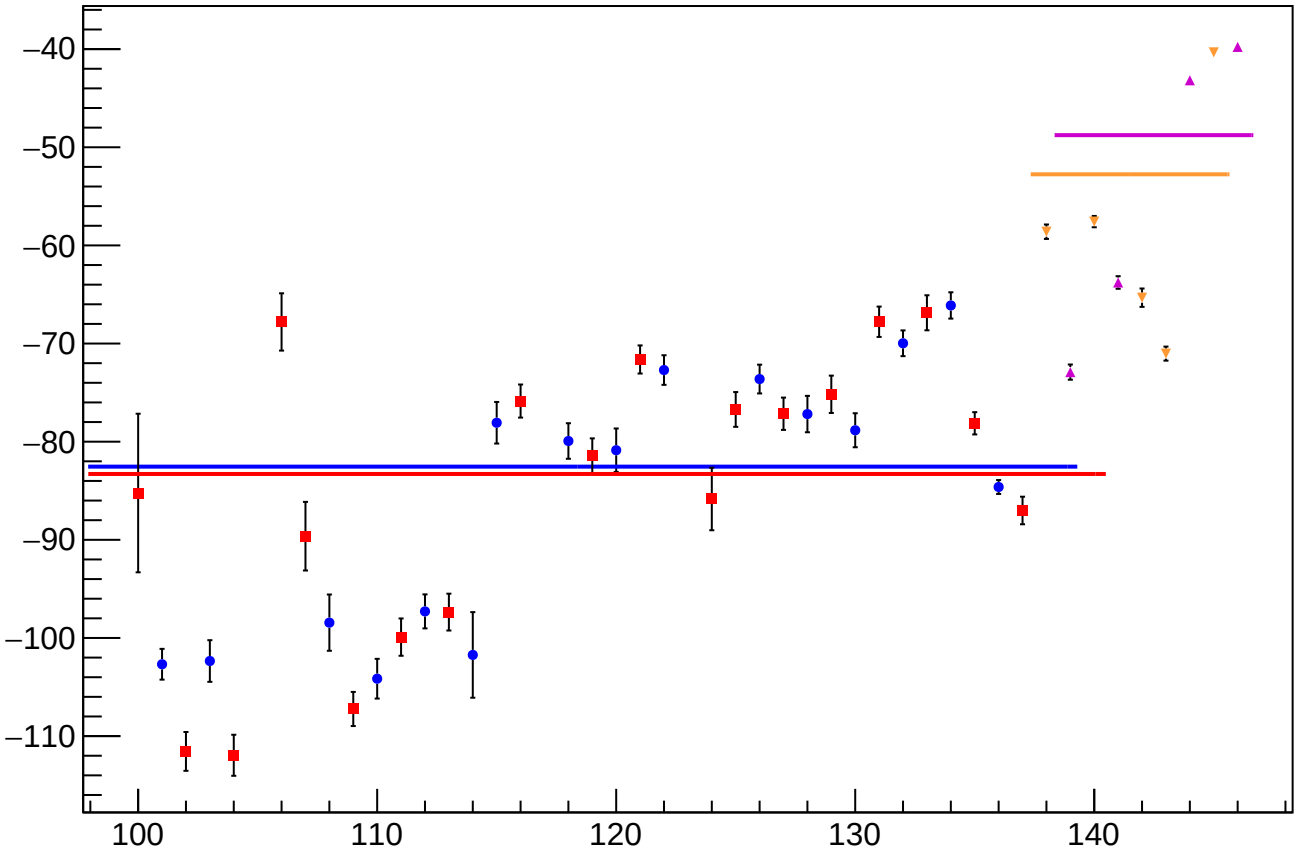
Left: 4.603+/-0.137 χ^2/NDF: 462.1/8

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.509+/-0.163 χ^2/NDF:1242.1/19

Out: 4.769+/-0.182 χ^2/NDF:1295.4/23

All: 4.071+/-0.121 χ^2/NDF: 2564.0/43



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -52.756+/-0.267 χ^2/NDF:1897.3/4

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -48.765+/-0.262 χ^2/NDF:2112.5/3

Left: -50.722+/-0.187 χ^2/NDF: 4123.3/8

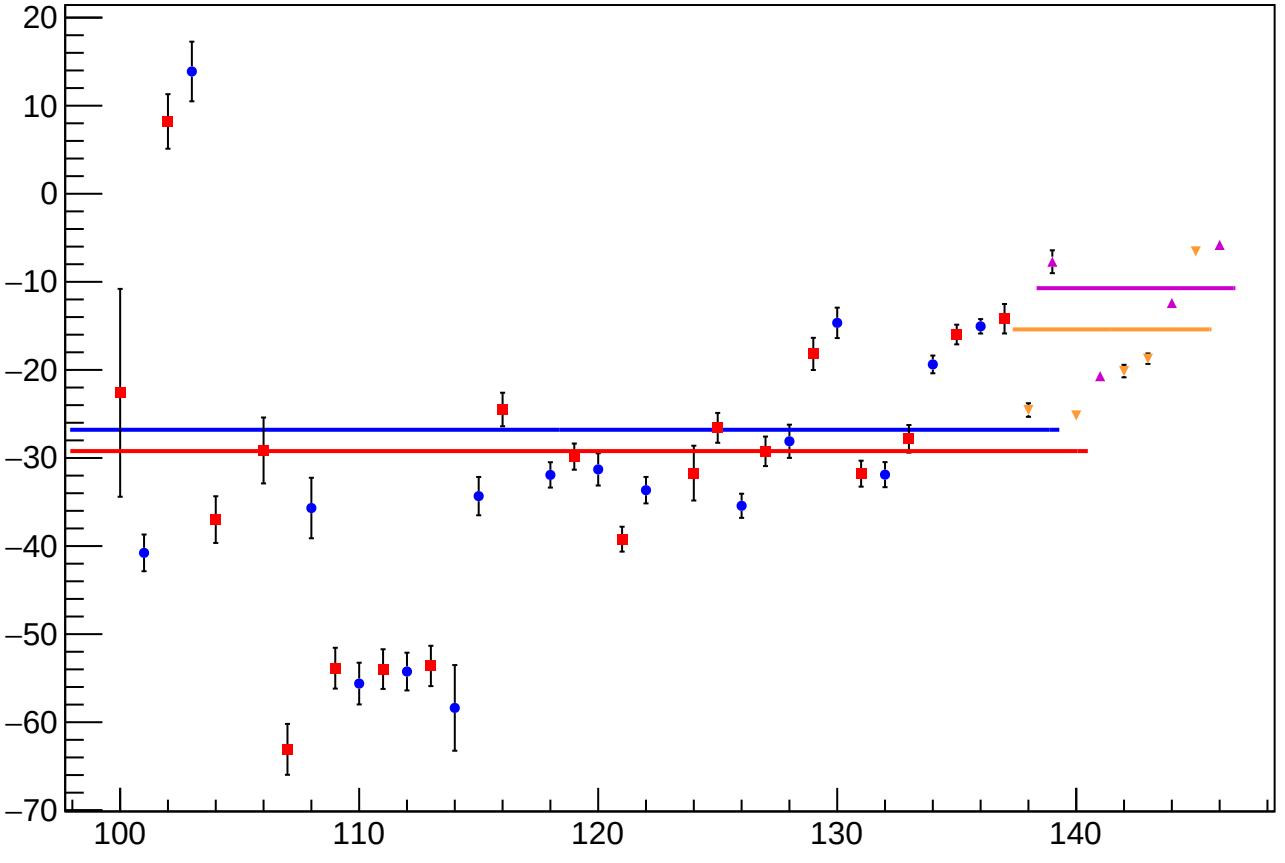
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -59.492+/-0.217 χ^2/NDF:8222.5/19

Out: -61.734+/-0.225 χ^2/NDF:6825.4/23

All: -60.572+/-0.156 χ^2/NDF: 15099.5/43

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.399+/-0.242 χ^2/NDF:1105.5/4

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -10.720+/-0.222 χ^2/NDF:585.2/3

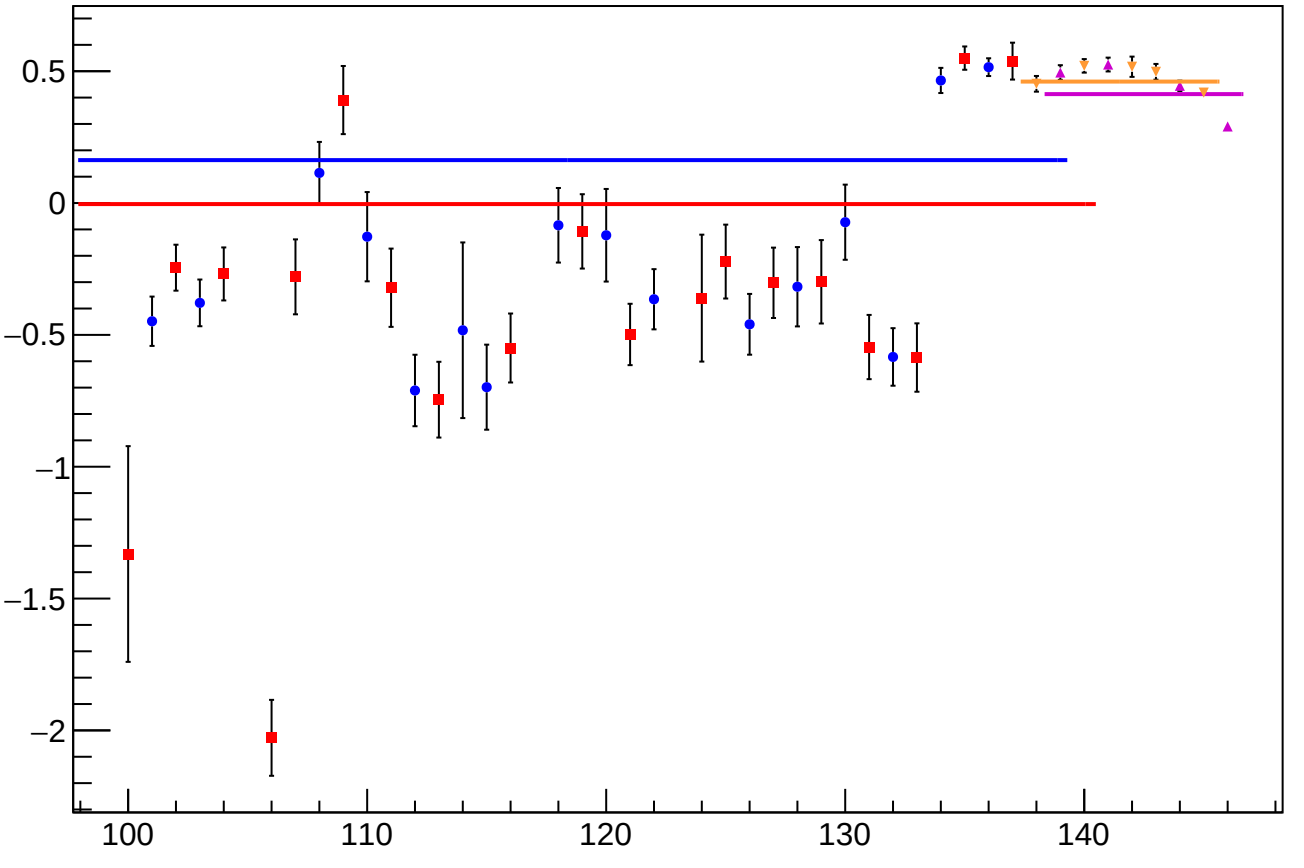
Left: -12.861+/-0.164 χ^2/NDF: 1894.0/8

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -14.571+/-0.194 χ^2/NDF:2804.5/19

Out: -18.705+/-0.211 χ^2/NDF:2847.7/23

All: -16.462+/-0.143 χ^2/NDF: 5860.6/43



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.461+/-0.011 χ^2/NDF:15.9/4

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.413+/-0.011 χ^2/NDF:72.5/3

Left: 0.437+/-0.008 χ^2/NDF: 97.7/8

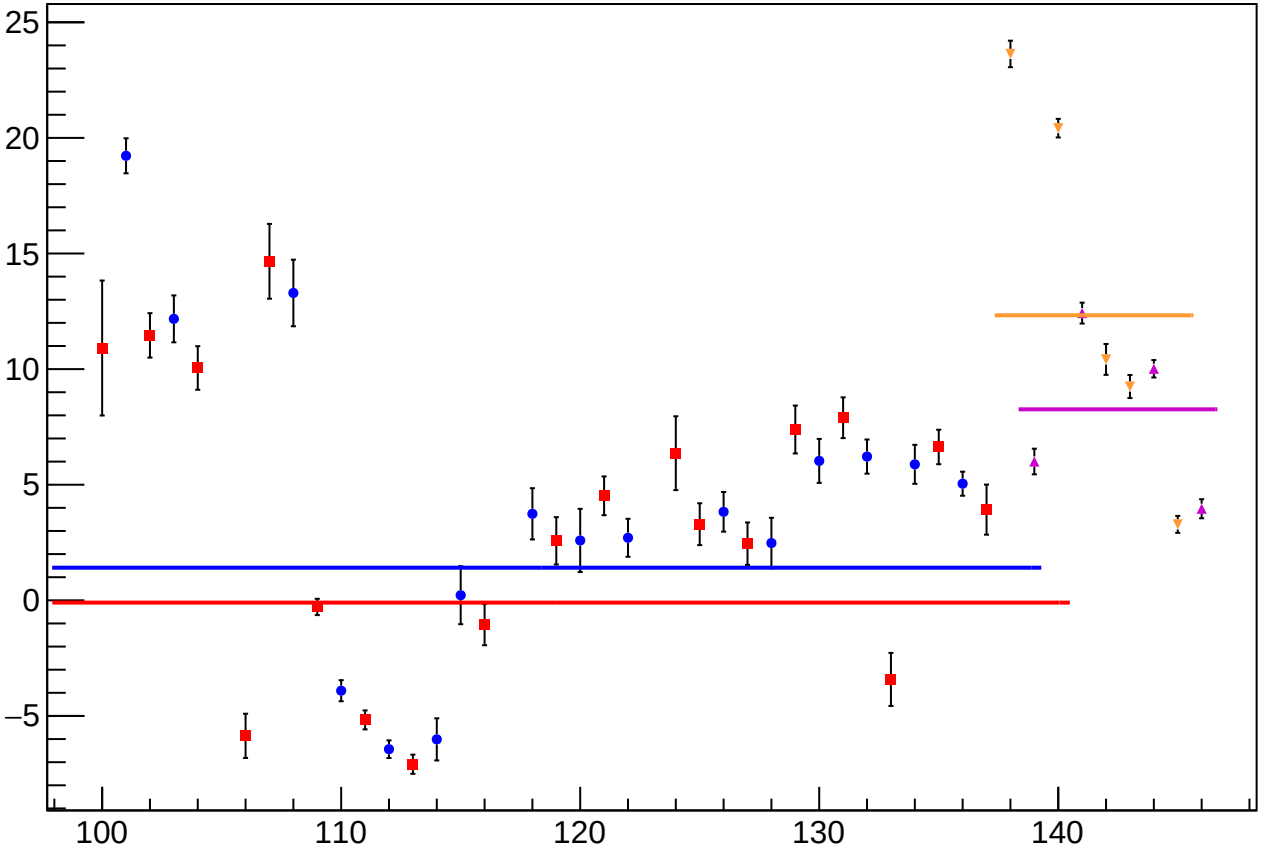
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.361+/-0.010 χ^2/NDF:603.2/19

Out: 0.382+/-0.010 χ^2/NDF:890.4/23

All: 0.371+/-0.007 χ^2/NDF: 1496.0/43

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: 12.328+/-0.209 χ^2/NDF:1450.2/4

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 8.261+/-0.218 χ^2/NDF:232.3/3

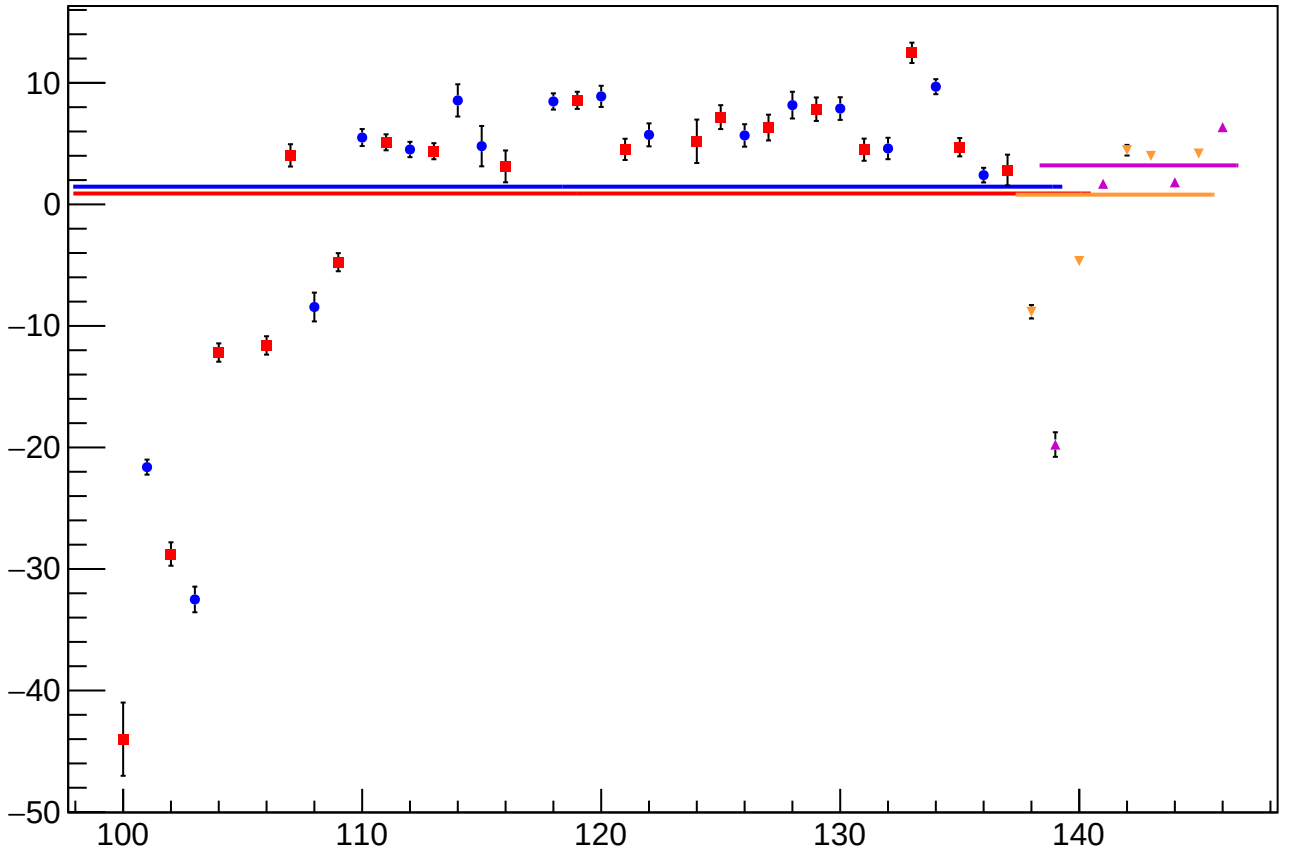
Left: 10.380+/-0.151 χ^2/NDF: 1864.1/8

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 4.248+/-0.140 χ^2/NDF:2333.9/19

Out: 4.764+/-0.131 χ^2/NDF:4753.6/23

All: 4.524+/-0.096 χ^2/NDF: 7094.7/43



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 0.803+/-0.166 χ^2/NDF:846.5/4

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 3.210+/-0.157 χ^2/NDF:733.8/3

Left: 2.073+/-0.114 χ^2/NDF: 1691.0/8

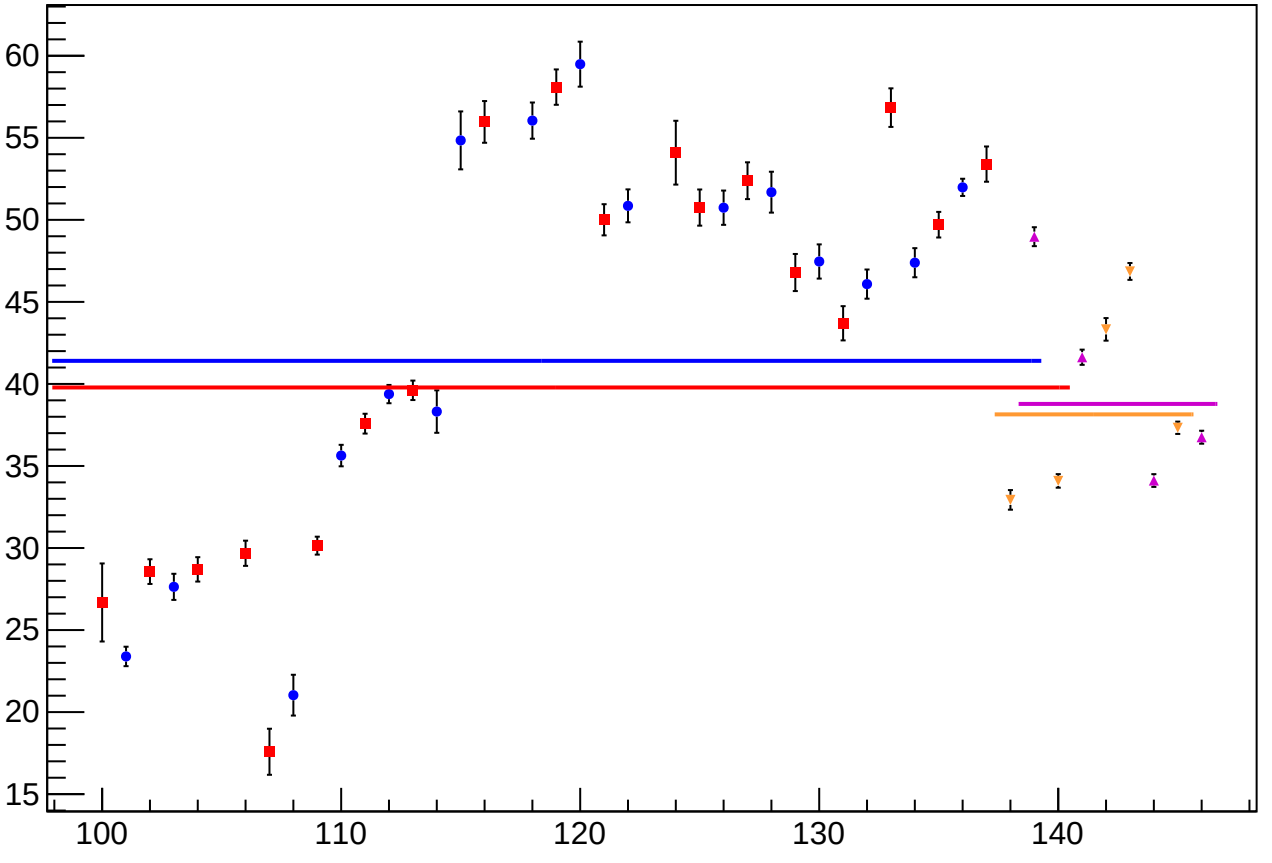
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 2.556+/-0.124 χ^2/NDF:3860.4/19

Out: 0.841+/-0.128 χ^2/NDF:3223.7/23

All: 1.725+/-0.089 χ^2/NDF: 7176.2/43

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: 38.144+/-0.215 χ^2/NDF:521.0/4

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 38.782+/-0.220 χ^2/NDF:520.2/3

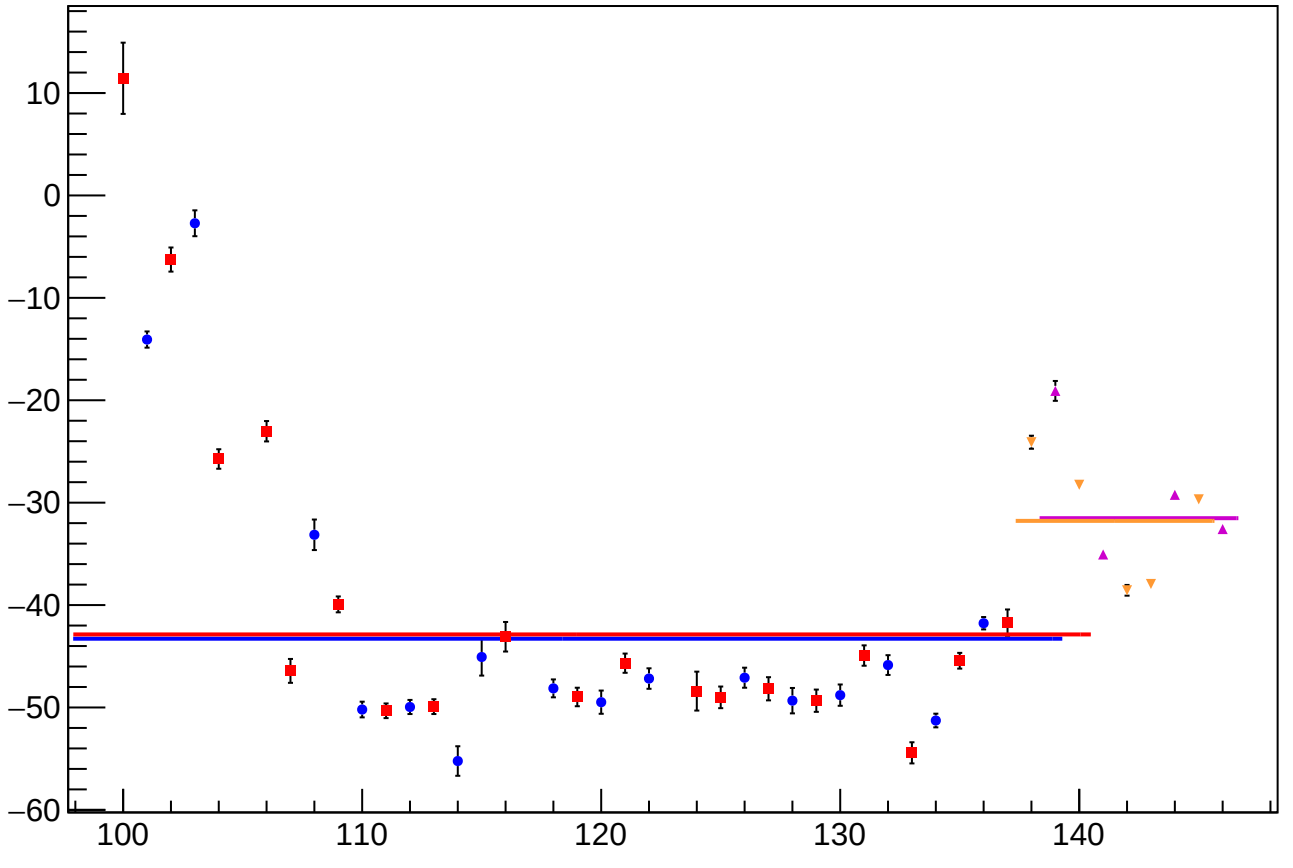
Left: 38.456+/-0.154 χ^2/NDF: 1045.5/8

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 40.151+/-0.152 χ^2/NDF:3340.5/19

Out: 39.012+/-0.148 χ^2/NDF:3205.6/23

All: 39.565+/-0.106 χ^2/NDF: 6574.9/43



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -31.779+/-0.195 χ^2/NDF:635.9/4

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -31.517+/-0.189 χ^2/NDF:307.1/3

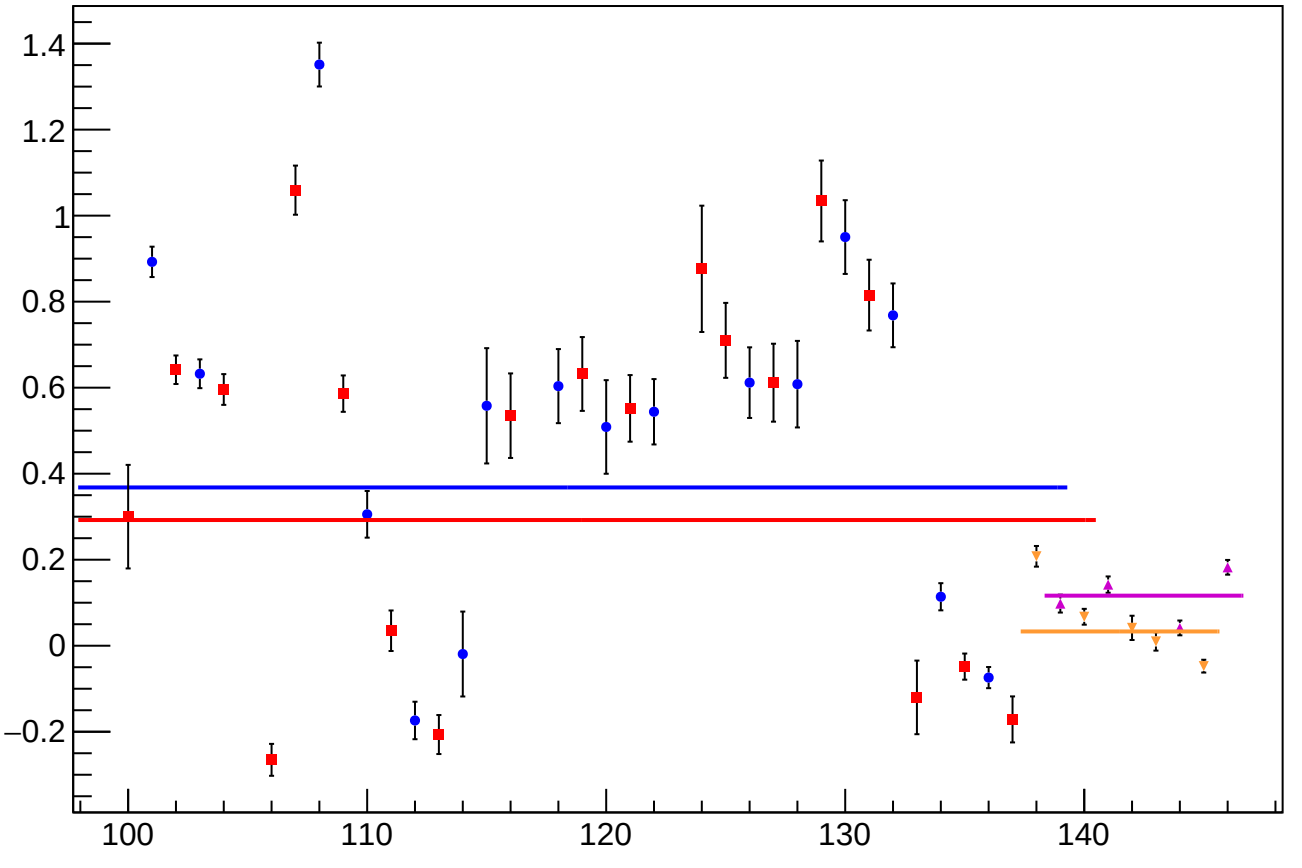
Left: -31.644+/-0.136 χ^2/NDF: 943.9/8

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -36.286+/-0.146 χ^2/NDF:4858.5/19

Out: -36.443+/-0.149 χ^2/NDF:4448.1/23

All: -36.363+/-0.104 χ^2/NDF: 9307.2/43



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.033+/-0.009 χ^2/NDF:86.9/4

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.116+/-0.009 χ^2/NDF:36.4/3

Left: 0.074+/-0.006 χ^2/NDF: 165.7/8

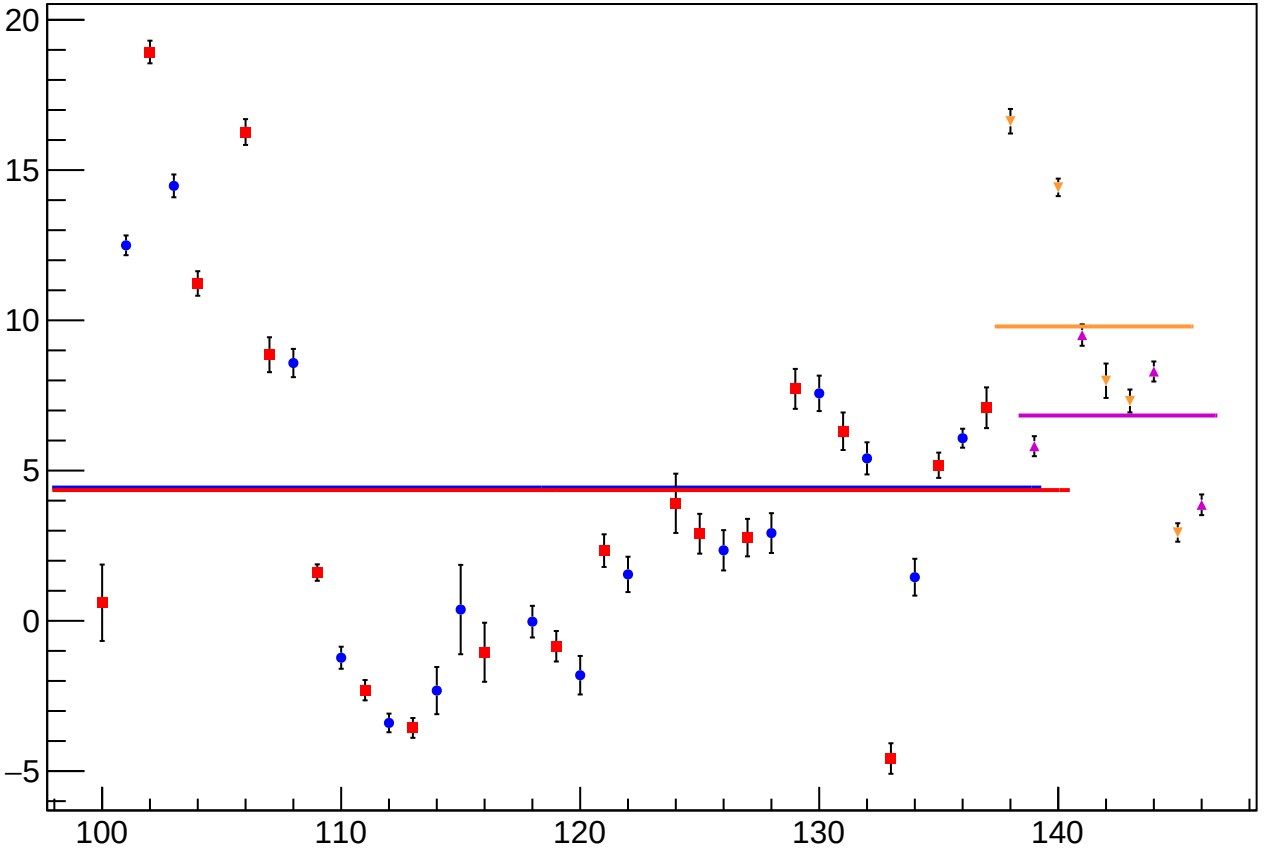
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.207+/-0.007 χ^2/NDF:1629.0/19

Out: 0.124+/-0.007 χ^2/NDF:1583.5/23

All: 0.165+/-0.005 χ^2/NDF: 3278.4/43

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 9.796+/-0.162 χ^2/NDF:1082.1/4

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 6.833+/-0.171 χ^2/NDF:159.4/3

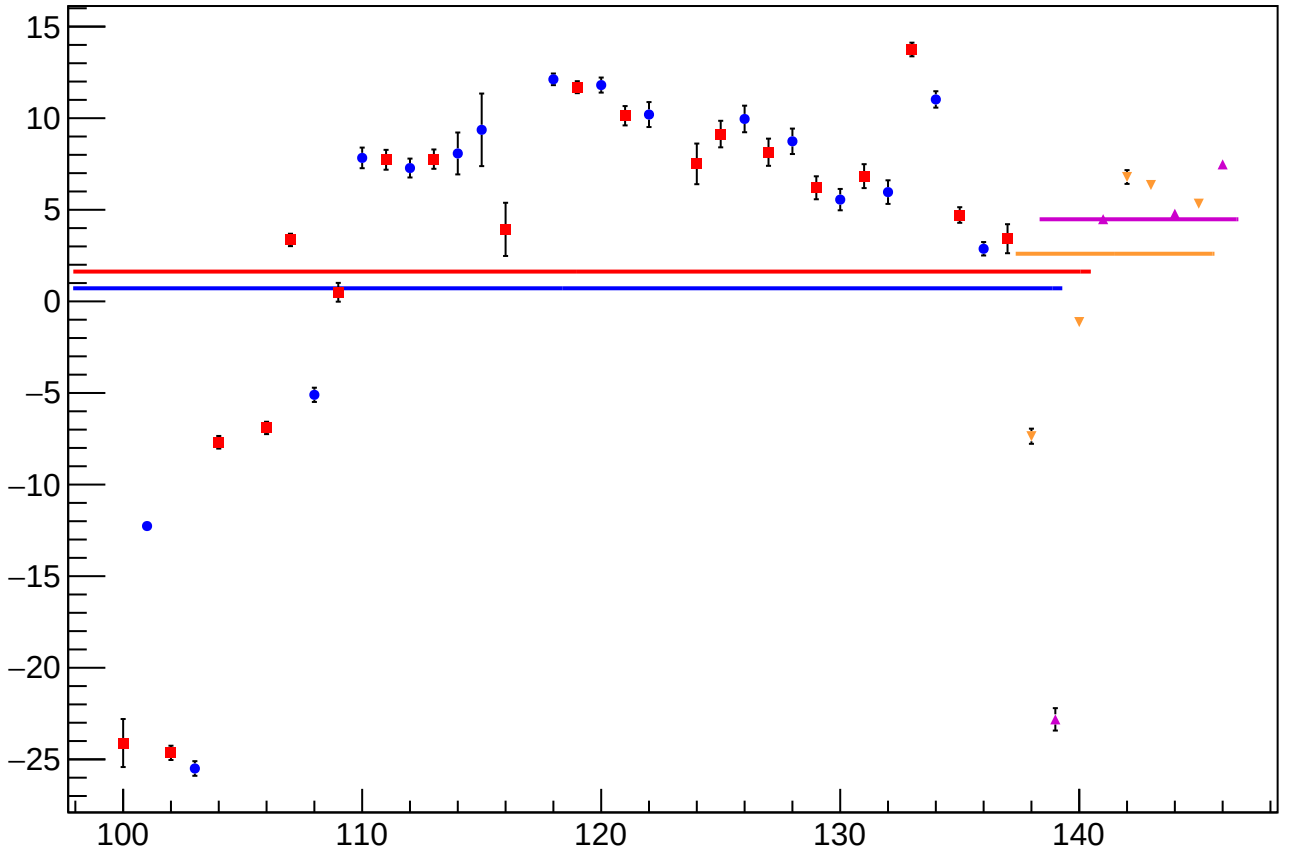
Left: 8.397+/-0.117 χ^2/NDF: 1400.4/8

Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 5.200+/-0.097 χ^2/NDF:2915.6/19

Out: 6.057+/-0.090 χ^2/NDF:6067.8/23

All: 5.656+/-0.066 χ^2/NDF: 9025.3/43



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 2.601+/-0.131 χ^2/NDF:1234.5/4

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 4.482+/-0.133 χ^2/NDF:2195.7/3

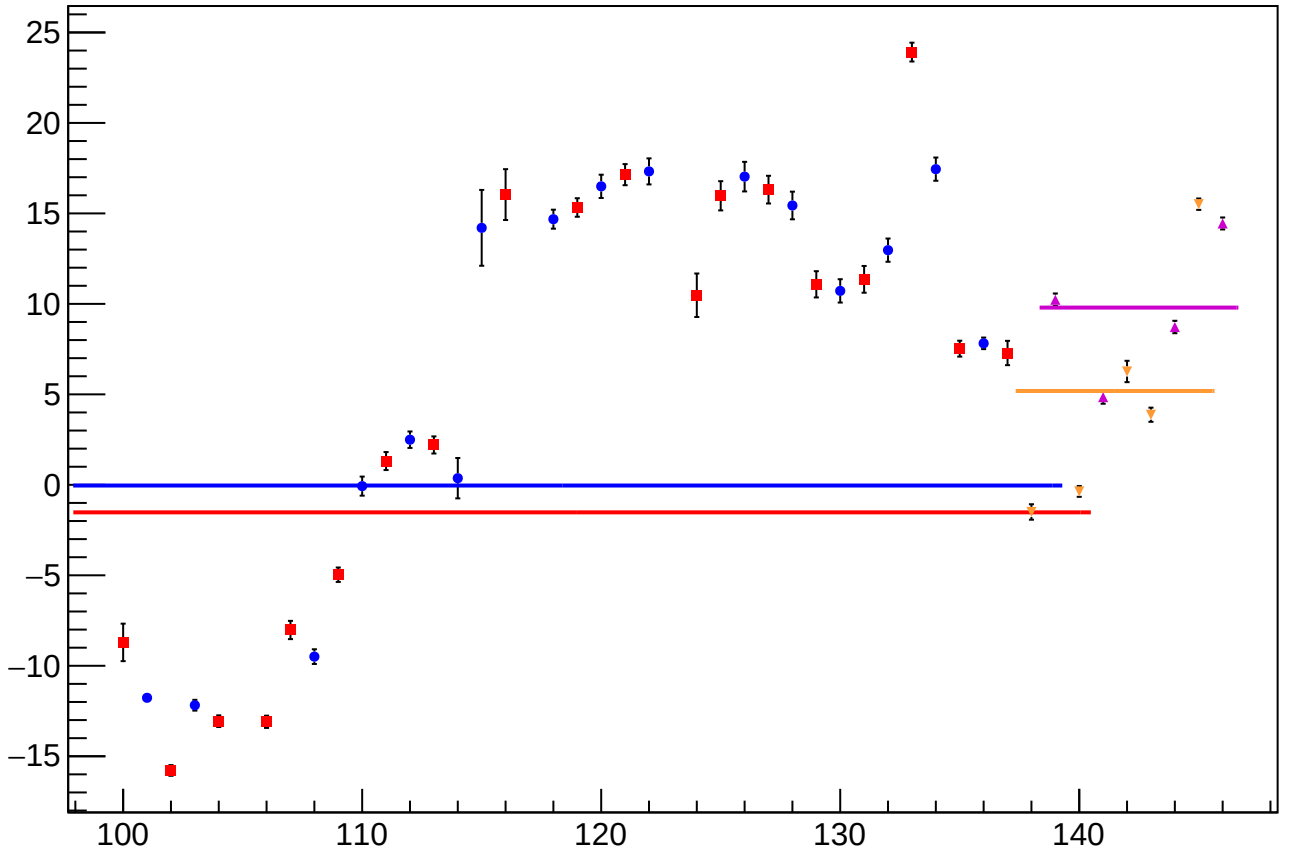
Left: 3.528+/-0.094 χ^2/NDF: 3531.2/8

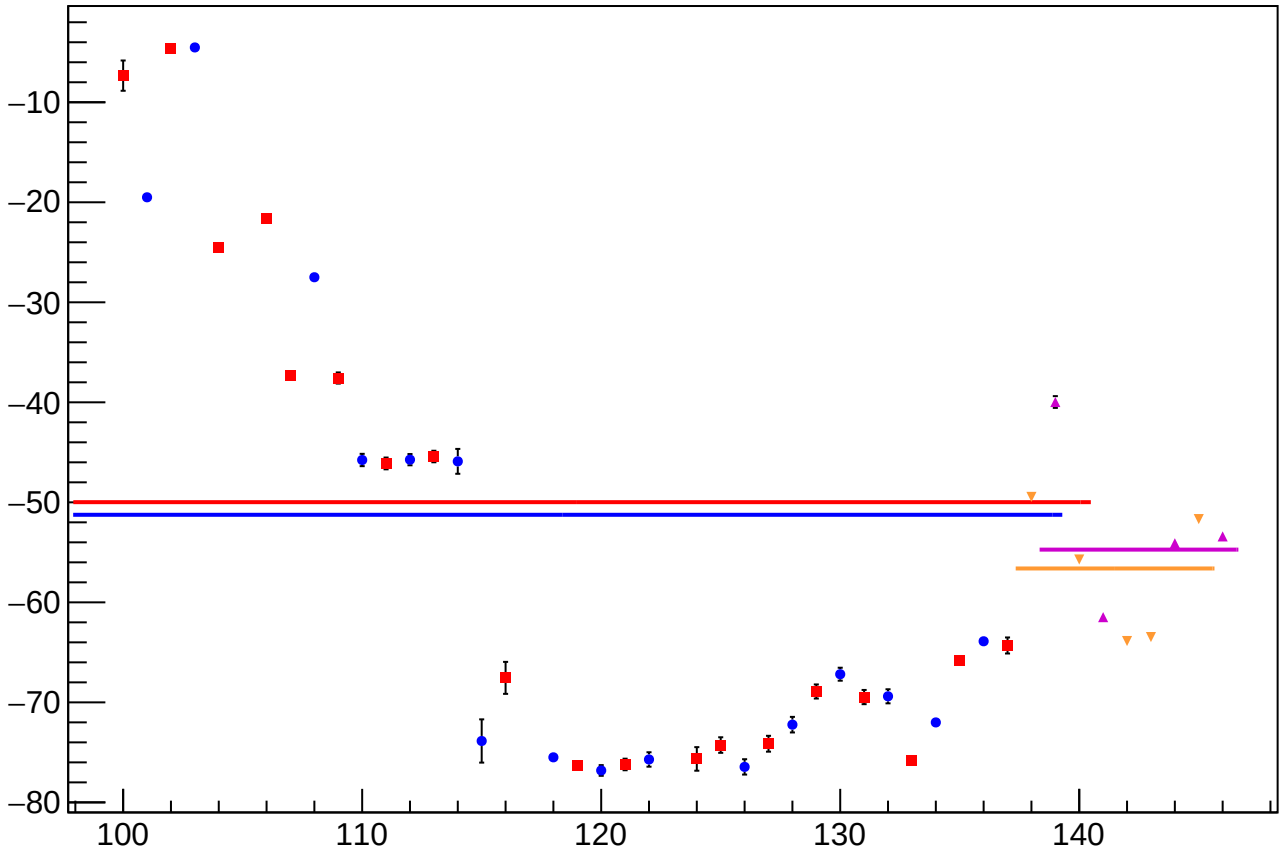
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 2.337+/-0.087 χ^2/NDF:13104.5/19

Out: 2.033+/-0.085 χ^2/NDF:10522.1/23

All: 2.180+/-0.061 χ^2/NDF: 23632.8/43


reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
Right In: -0.038+/-0.119 χ²/NDF: 9274.3/15
Left Out: 5.186+/-0.166 χ²/NDF:1675.6/4
Right Out: -1.521+/-0.115 χ²/NDF: 12130.2/18
Left In: 9.795+/-0.173 χ²/NDF:391.0/3
Left: 7.400+/-0.120 χ²/NDF: 2435.0/8
Right: -0.807+/-0.083 χ²/NDF: 21484.6/34
In: 3.131+/-0.098 χ²/NDF:11852.3/19
Out: 0.648+/-0.095 χ²/NDF:14904.5/23
All: 1.843+/-0.068 χ²/NDF: 27087.7/43



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -56.613+/-0.154 χ^2/NDF:1229.8/4

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -54.728+/-0.158 χ^2/NDF:1133.8/3

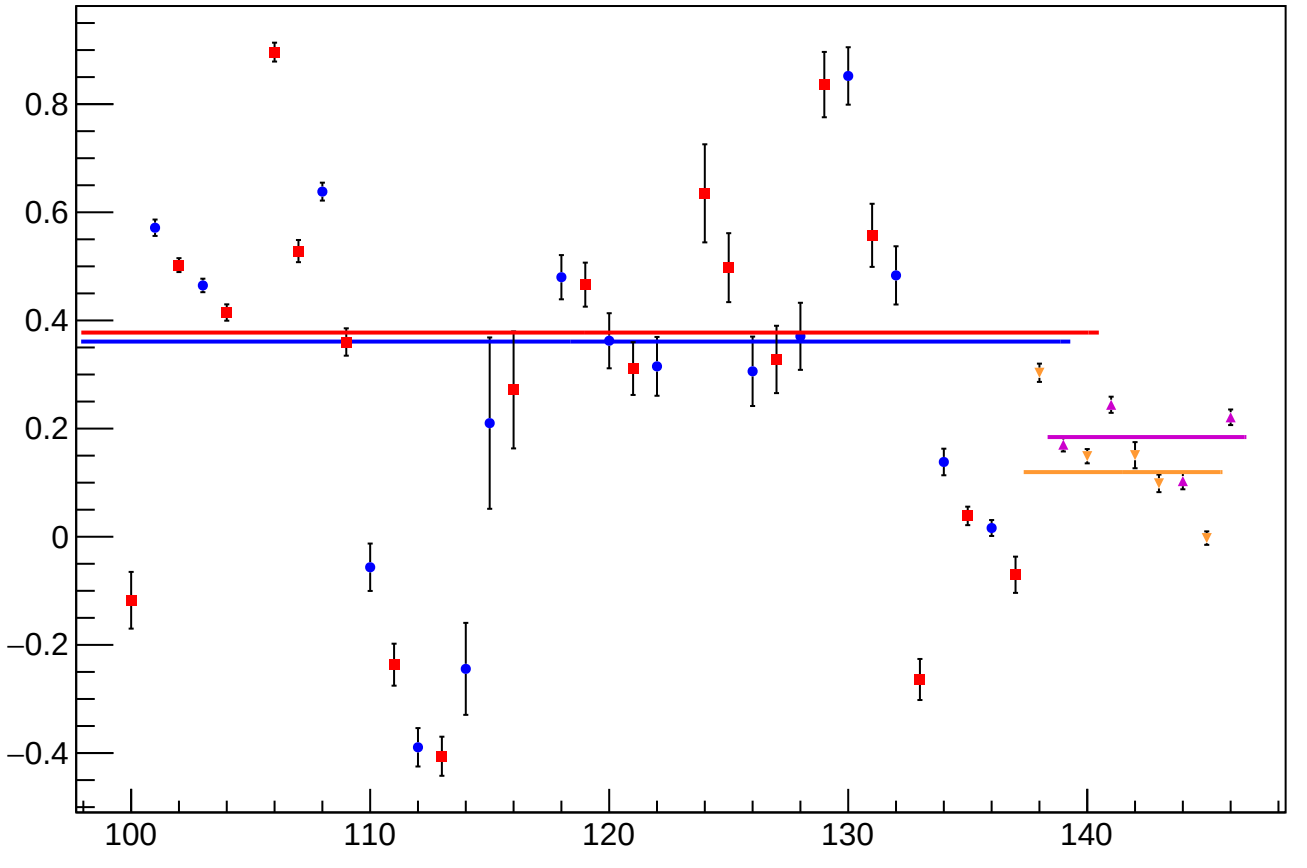
Left: -55.695+/-0.110 χ^2/NDF: 2436.5/8

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -52.725+/-0.103 χ^2/NDF:35178.4/19

Out: -52.759+/-0.100 χ^2/NDF:36200.2/23

All: -52.743+/-0.072 χ^2/NDF: 71378.7/43



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.120+/-0.007 χ^2/NDF:222.3/4

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.184+/-0.007 χ^2/NDF:52.6/3

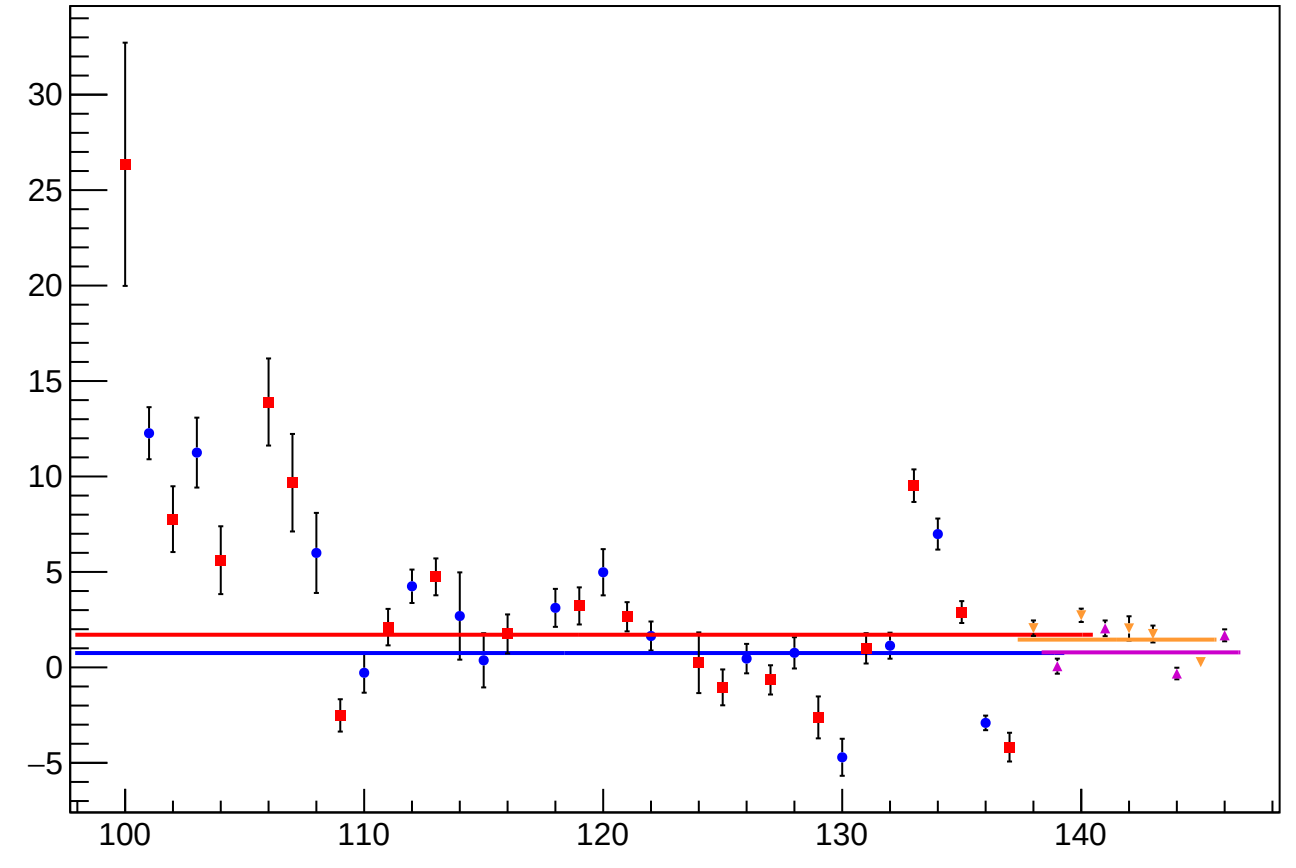
Left: 0.151+/-0.005 χ^2/NDF: 318.0/8

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.282+/-0.005 χ^2/NDF:2256.8/19

Out: 0.264+/-0.005 χ^2/NDF:3799.7/23

All: 0.272+/-0.003 χ^2/NDF: 6064.3/43



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 1.454+/-0.166 χ^2/NDF:36.8/4

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 0.786+/-0.173 χ^2/NDF:34.1/3

Left: 1.134+/-0.120 χ^2/NDF: 78.6/8

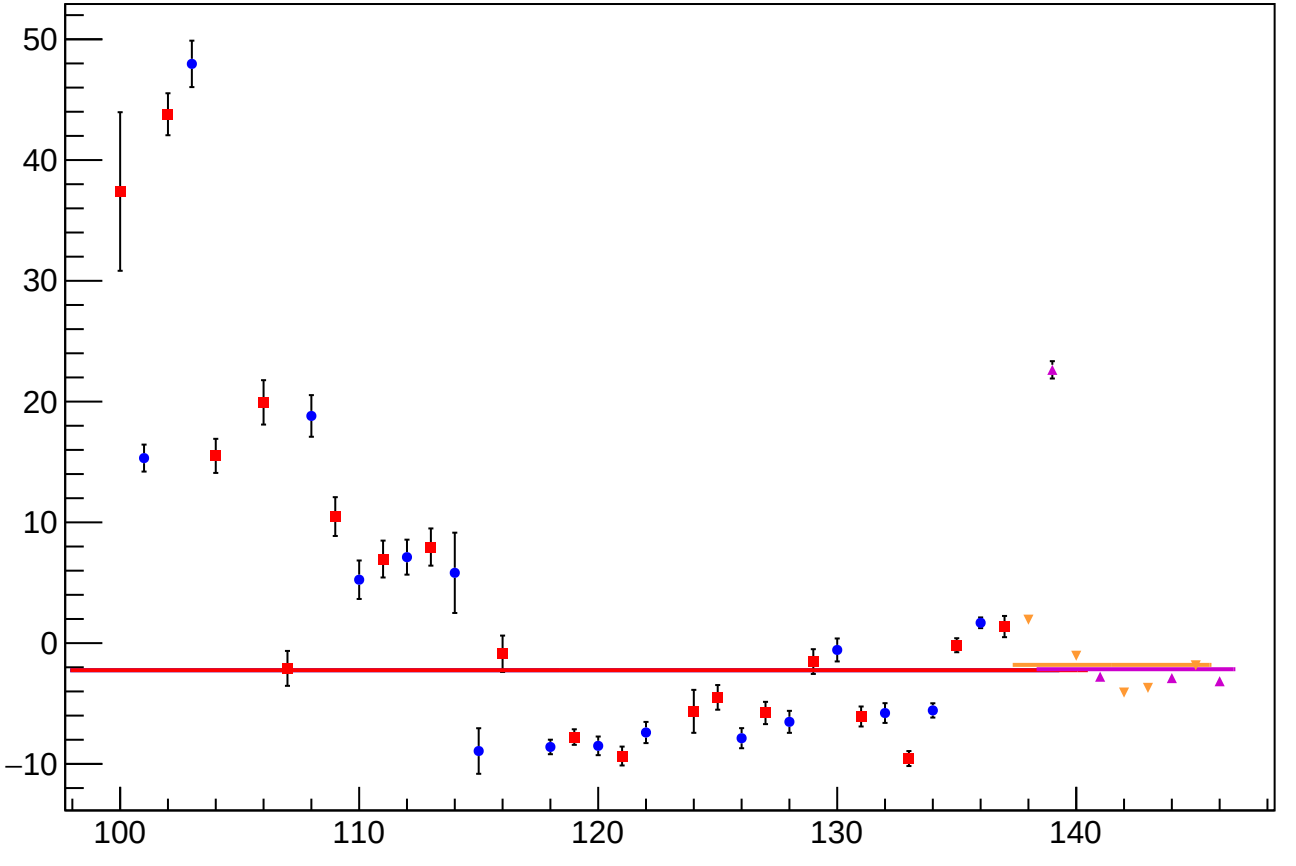
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.772+/-0.134 χ^2/NDF:364.2/19

Out: 1.546+/-0.133 χ^2/NDF:331.5/23

All: 1.162+/-0.095 χ^2/NDF: 712.4/43

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: -1.799+/-0.134 χ^2/NDF:162.1/4

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.160+/-0.129 χ^2/NDF:1233.5/3

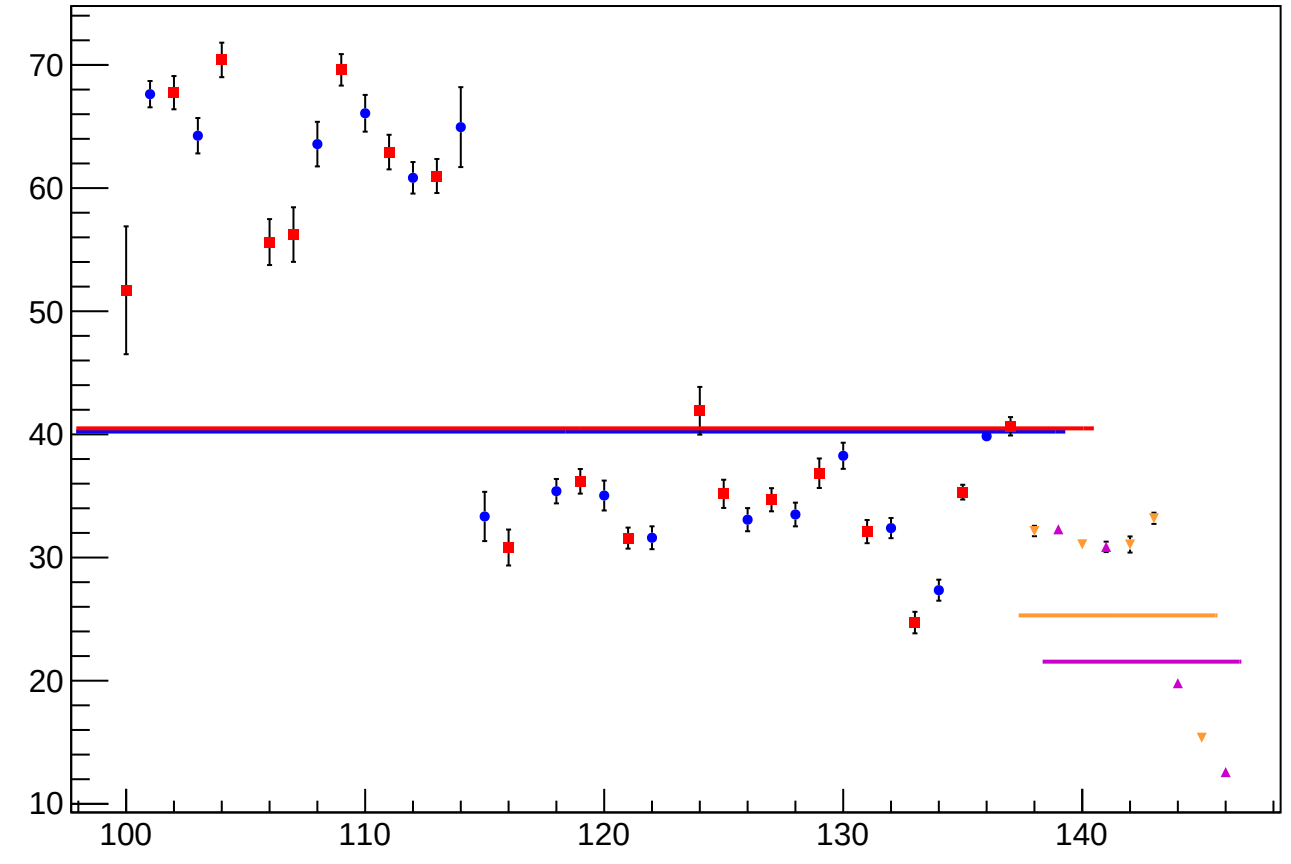
Left: -1.987+/-0.093 χ^2/NDF: 1399.3/8

Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.183+/-0.111 χ^2/NDF:2806.1/19

Out: -1.913+/-0.116 χ^2/NDF:1720.5/23

All: -2.054+/-0.080 χ^2/NDF: 4529.5/43



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 25.302+/-0.171 χ^2/NDF:2235.1/4

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.546+/-0.175 χ^2/NDF:2086.8/3

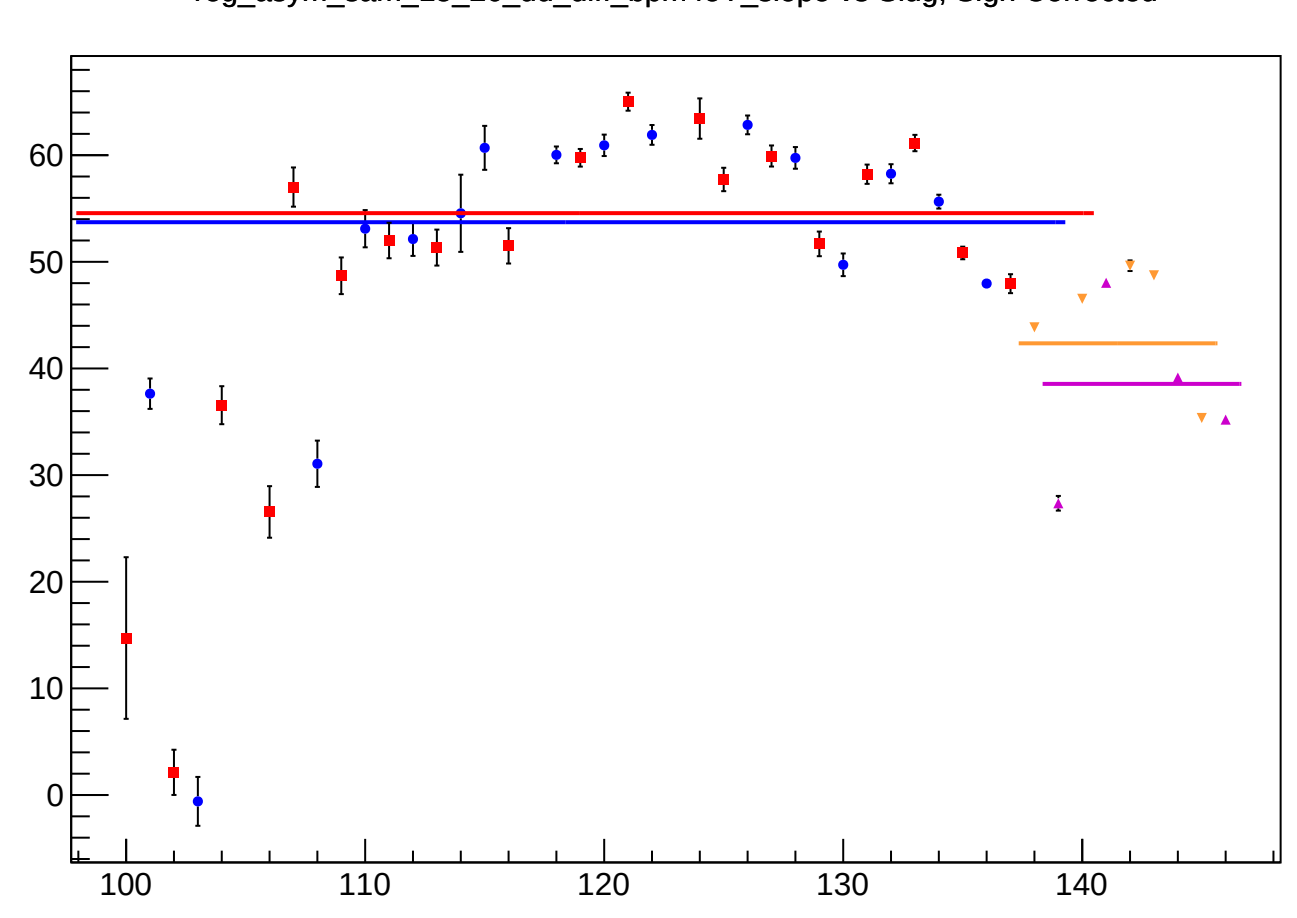
Left: 23.463+/-0.122 χ^2/NDF: 4556.9/8

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 28.344+/-0.140 χ^2/NDF:8525.0/19

Out: 30.147+/-0.141 χ^2/NDF:7437.8/23

All: 29.234+/-0.099 χ^2/NDF: 16045.1/43



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.357+/-0.157 χ^2/NDF:1457.7/4

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 38.553+/-0.154 χ^2/NDF:1171.5/3

Left: 40.422+/-0.110 χ^2/NDF: 2927.4/8

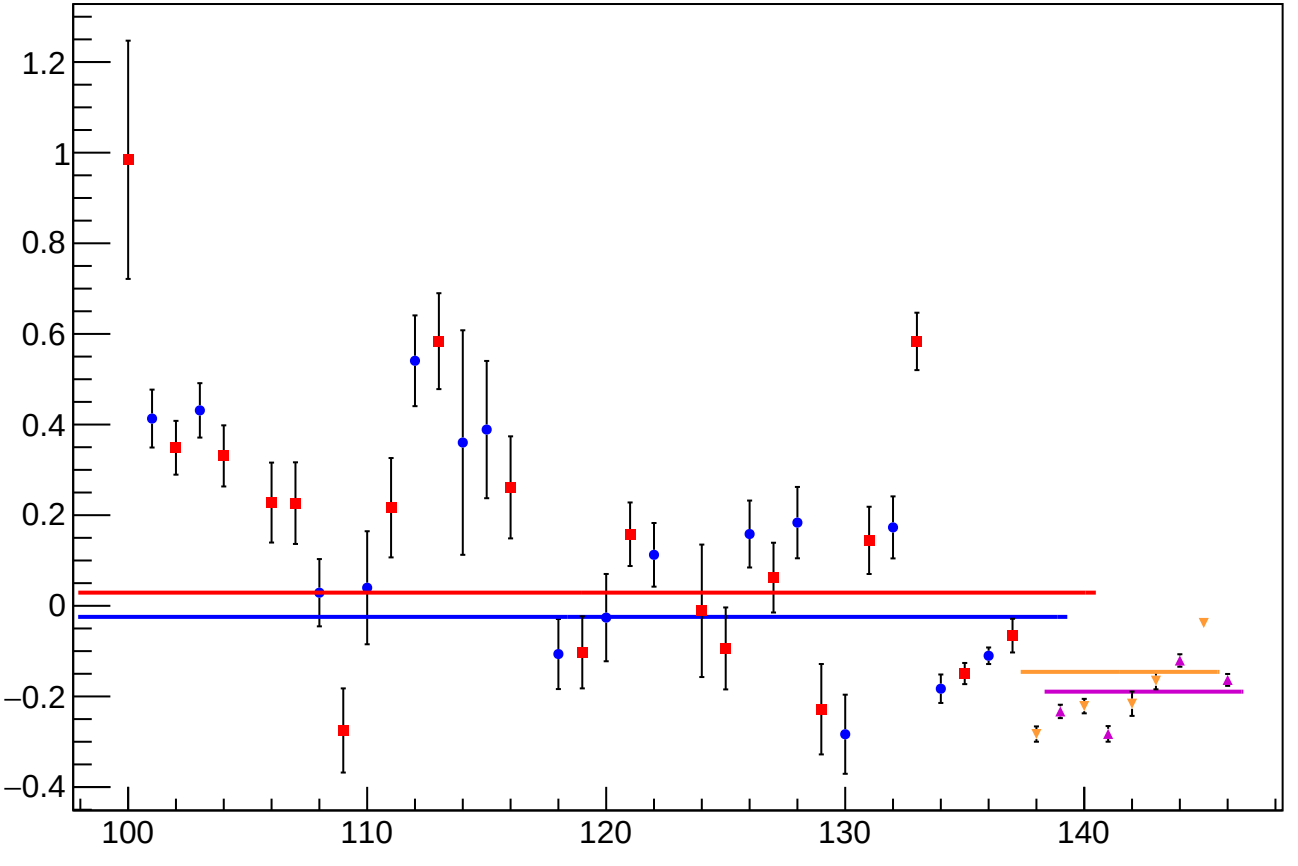
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.018+/-0.130 χ^2/NDF:5373.5/19

Out: 45.695+/-0.134 χ^2/NDF:4451.0/23

All: 44.314+/-0.093 χ^2/NDF: 10030.6/43

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.146+/-0.007 χ^2/NDF:196.4/4

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.189+/-0.007 χ^2/NDF:66.7/3

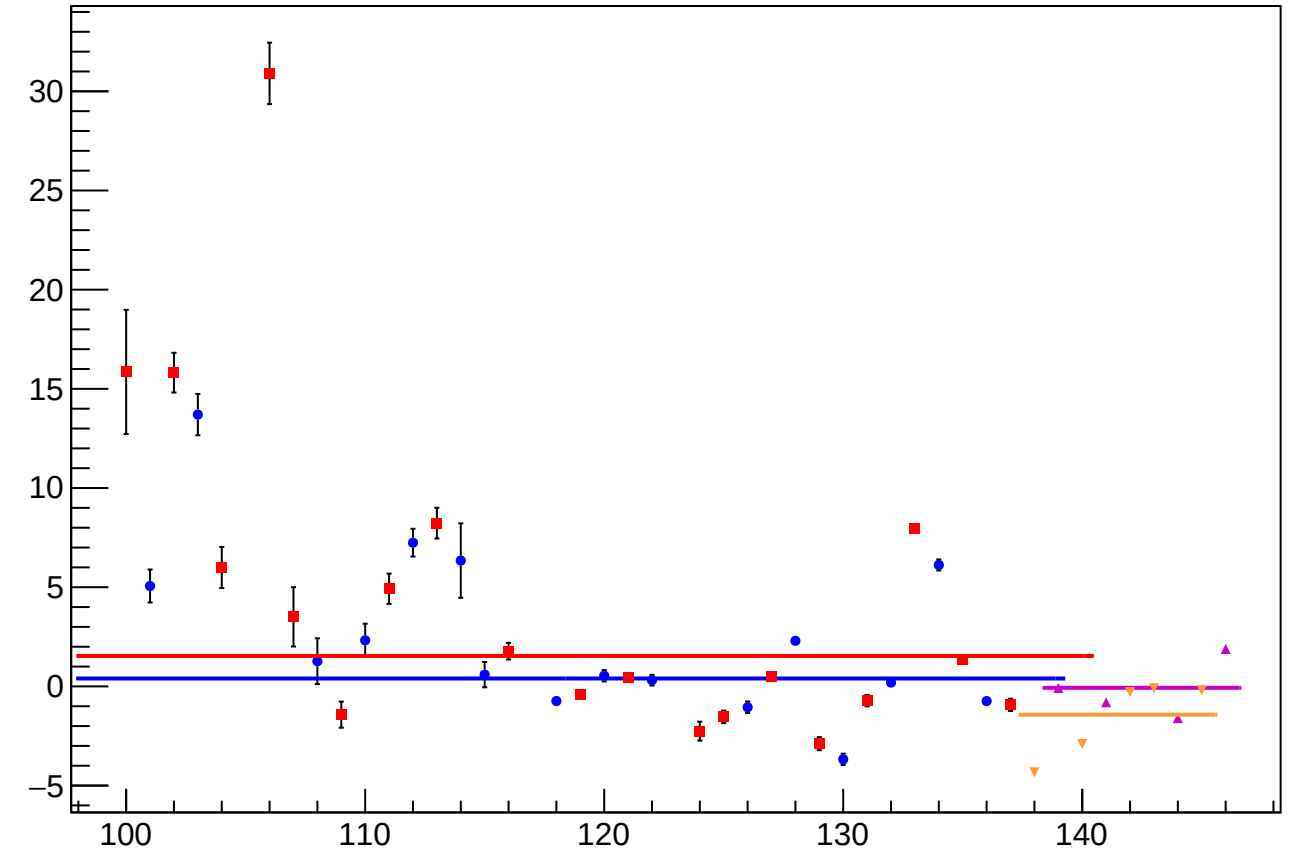
Left: -0.167+/-0.005 χ^2/NDF: 281.9/8

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.149+/-0.006 χ^2/NDF:422.2/19

Out: -0.112+/-0.006 χ^2/NDF:594.0/23

All: -0.130+/-0.004 χ^2/NDF: 1034.2/43



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -1.424+/-0.062 χ^2/NDF:687.4/4

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.071+/-0.062 χ^2/NDF:521.0/3

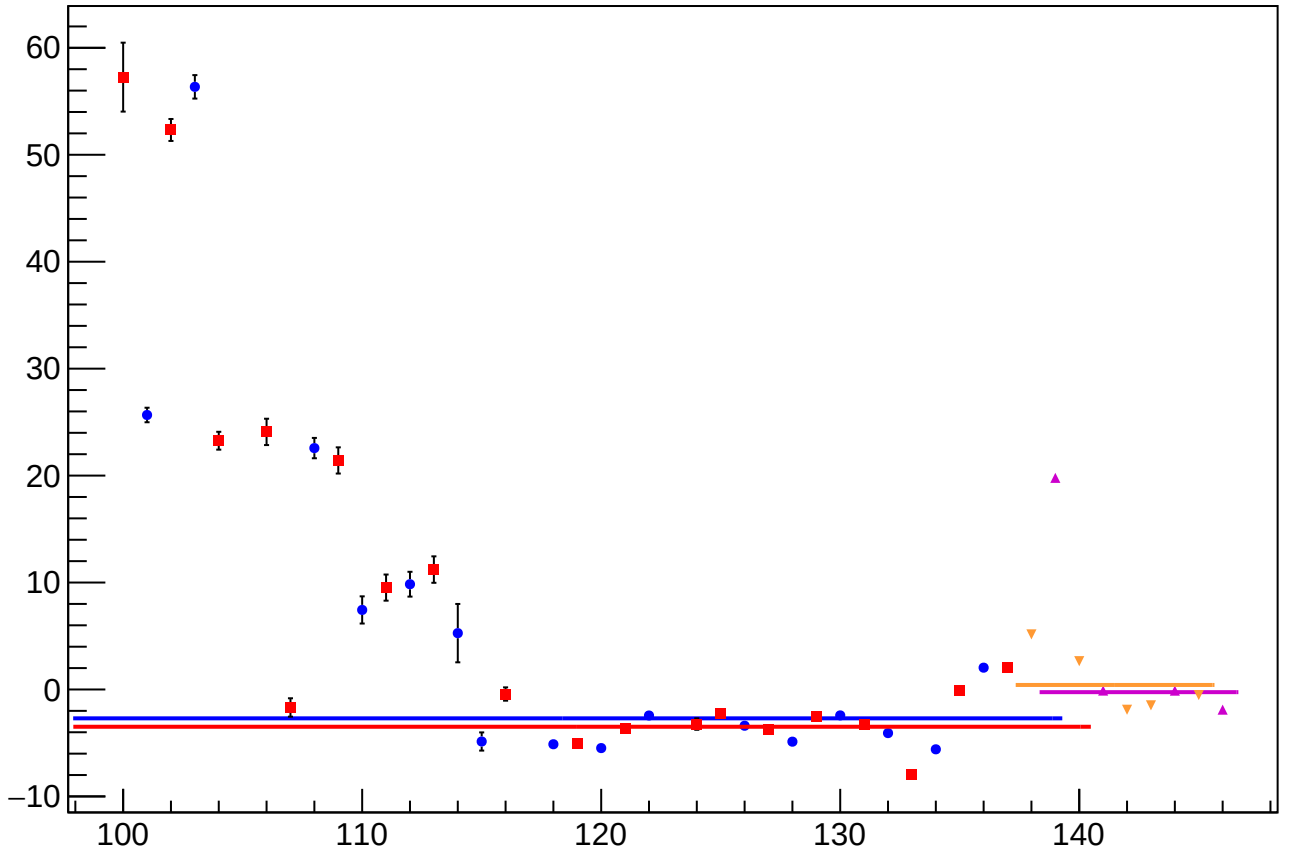
Left: -0.751+/-0.044 χ^2/NDF: 1448.1/8

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.113+/-0.048 χ^2/NDF:1641.0/19

Out: -0.290+/-0.048 χ^2/NDF:3982.5/23

All: -0.088+/-0.034 χ^2/NDF: 5658.2/43



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: 0.423+/-0.050 χ^2/NDF:1856.3/4

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.250+/-0.047 χ^2/NDF:6775.0/3

Left: 0.062+/-0.034 χ^2/NDF: 8728.1/8

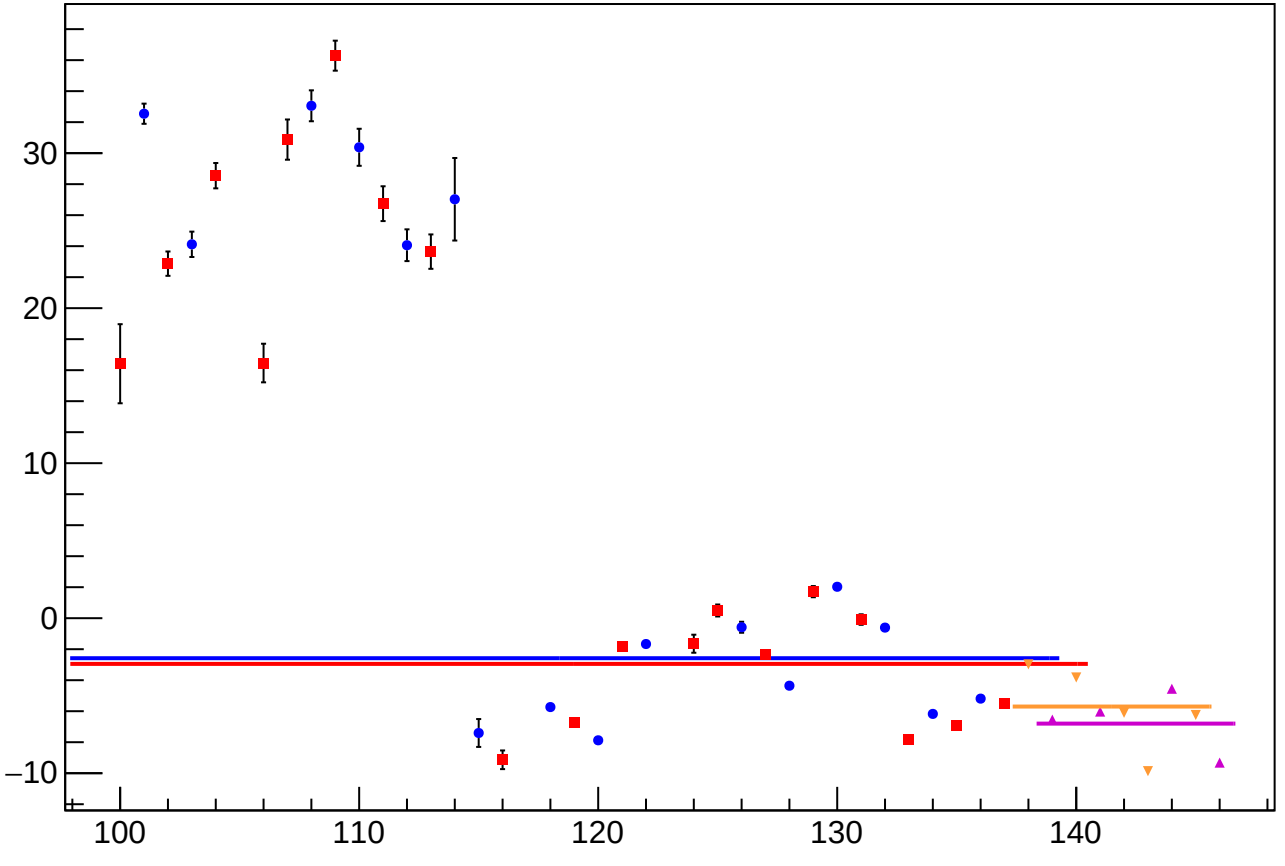
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -0.992+/-0.039 χ^2/NDF:14714.2/19

Out: -0.880+/-0.041 χ^2/NDF:11044.3/23

All: -0.939+/-0.028 χ^2/NDF: 25762.4/43

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -5.700+/-0.064 χ^2/NDF:1092.5/4

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.801+/-0.063 χ^2/NDF:961.7/3

Left: -6.259+/-0.045 χ^2/NDF: 2206.7/8

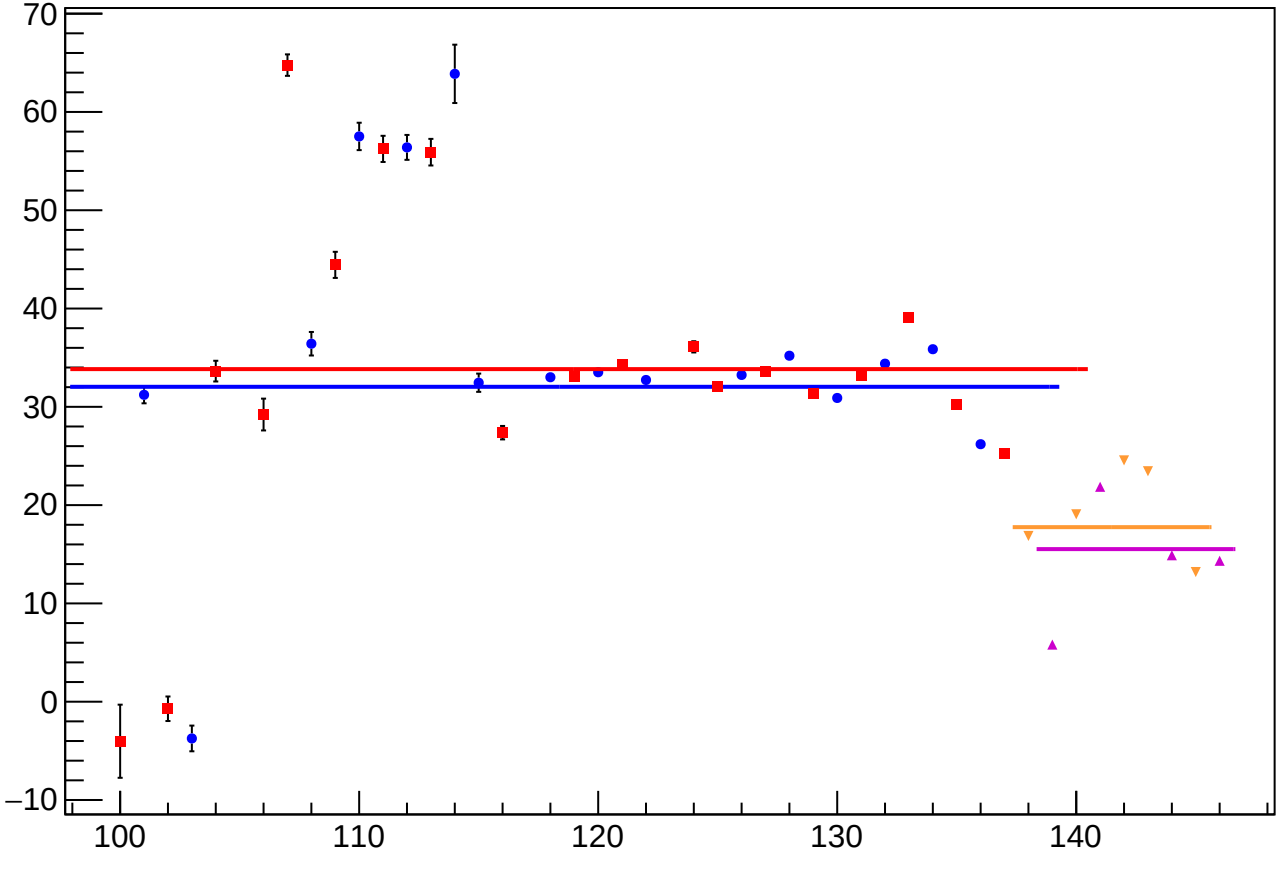
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.275+/-0.050 χ^2/NDF:10767.3/19

Out: -4.713+/-0.051 χ^2/NDF:9961.9/23

All: -4.999+/-0.036 χ^2/NDF: 20791.3/43

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 17.758+/-0.059 χ^2/NDF:5582.4/4

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 15.525+/-0.056 χ^2/NDF:4313.4/3

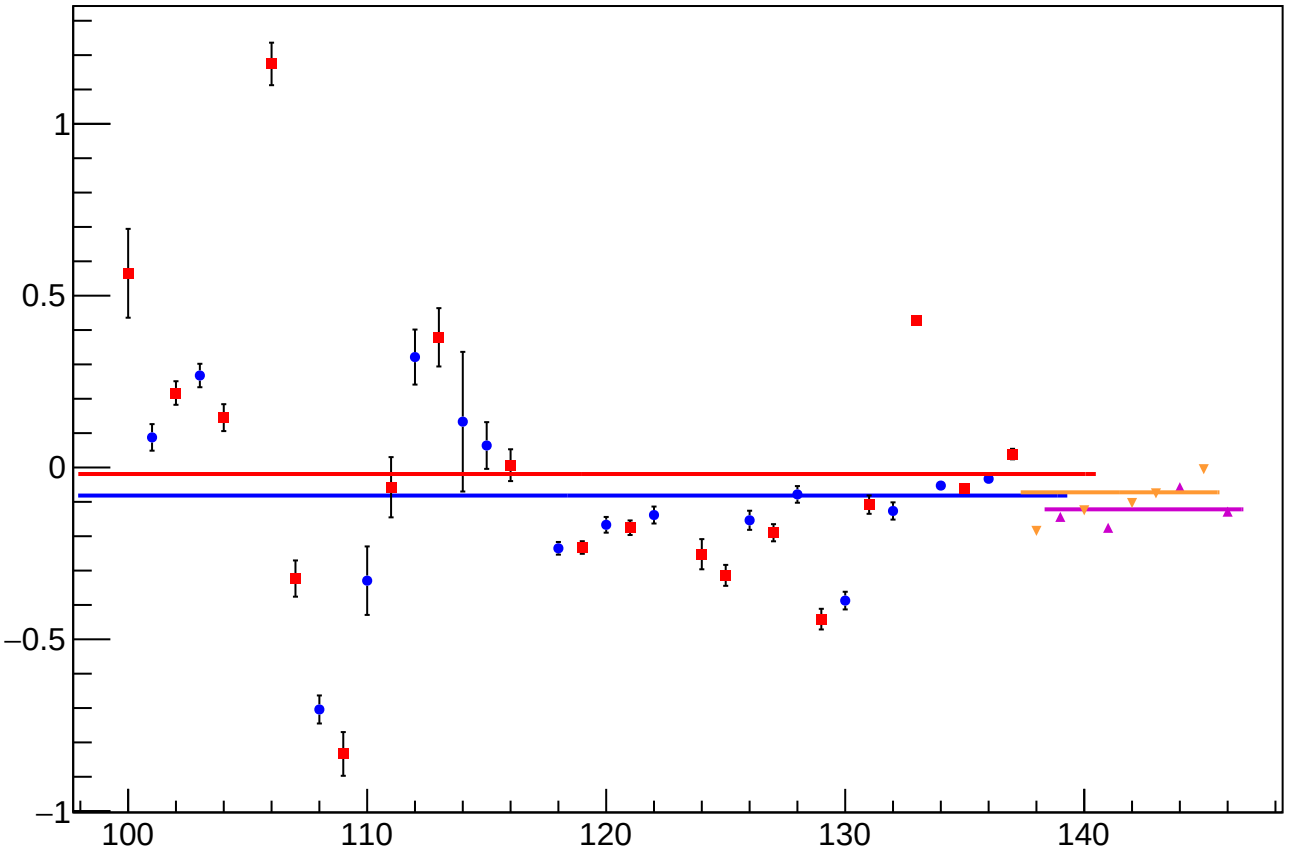
Left: 16.583+/-0.040 χ^2/NDF: 10662.2/8

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 20.778+/-0.046 χ^2/NDF:35708.0/19

Out: 23.220+/-0.048 χ^2/NDF:35447.3/23

All: 21.954+/-0.033 χ^2/NDF: 72520.7/43



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.072+/-0.003 χ^2/NDF:640.0/4

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.122+/-0.003 χ^2/NDF:260.5/3

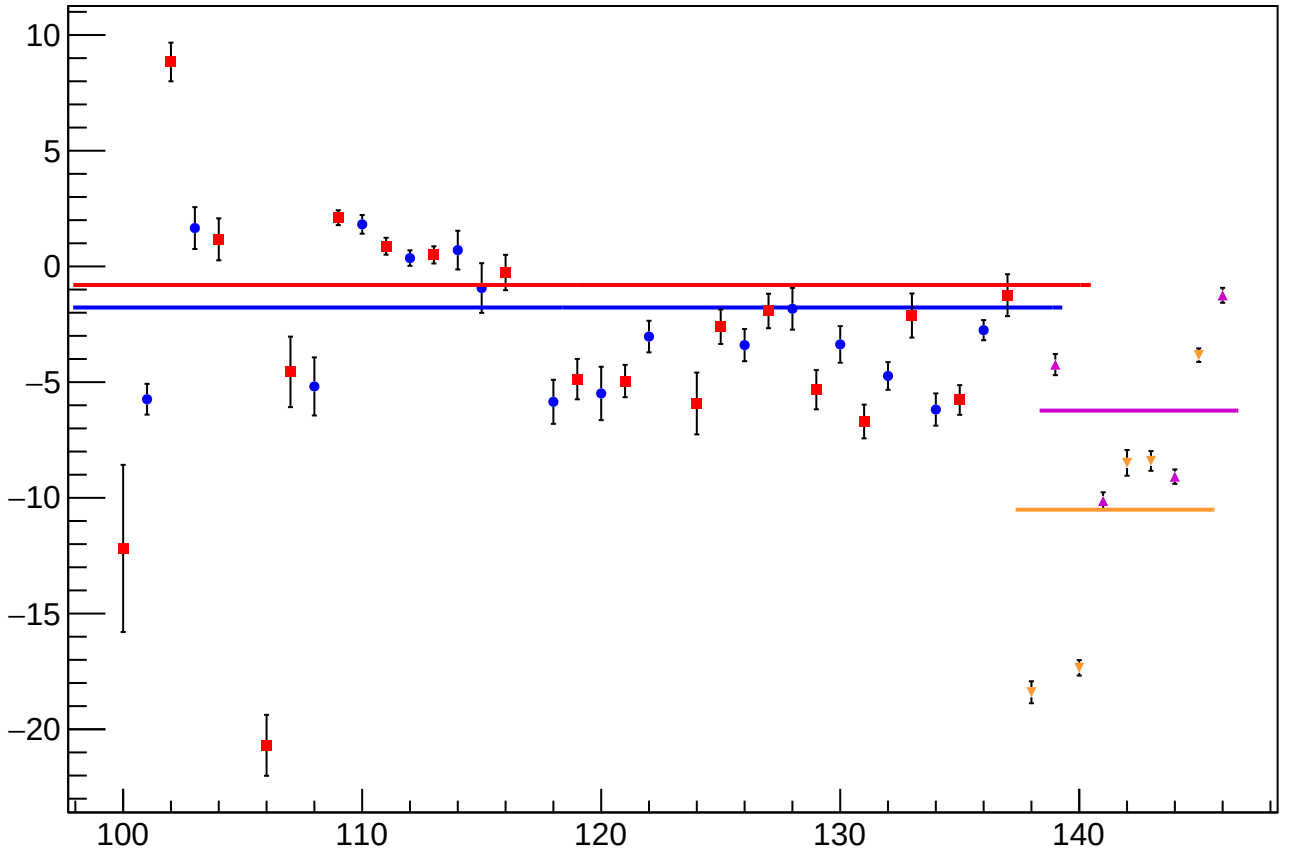
Left: -0.097+/-0.002 χ^2/NDF: 1081.6/8

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.113+/-0.002 χ^2/NDF:1003.2/19

Out: -0.062+/-0.002 χ^2/NDF:2997.5/23

All: -0.088+/-0.002 χ^2/NDF: 4247.0/43



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -10.512+/-0.172 χ^2/NDF:1247.1/4

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -6.230+/-0.177 χ^2/NDF:450.4/3

Left: -8.430+/-0.123 χ^2/NDF: 1998.0/8

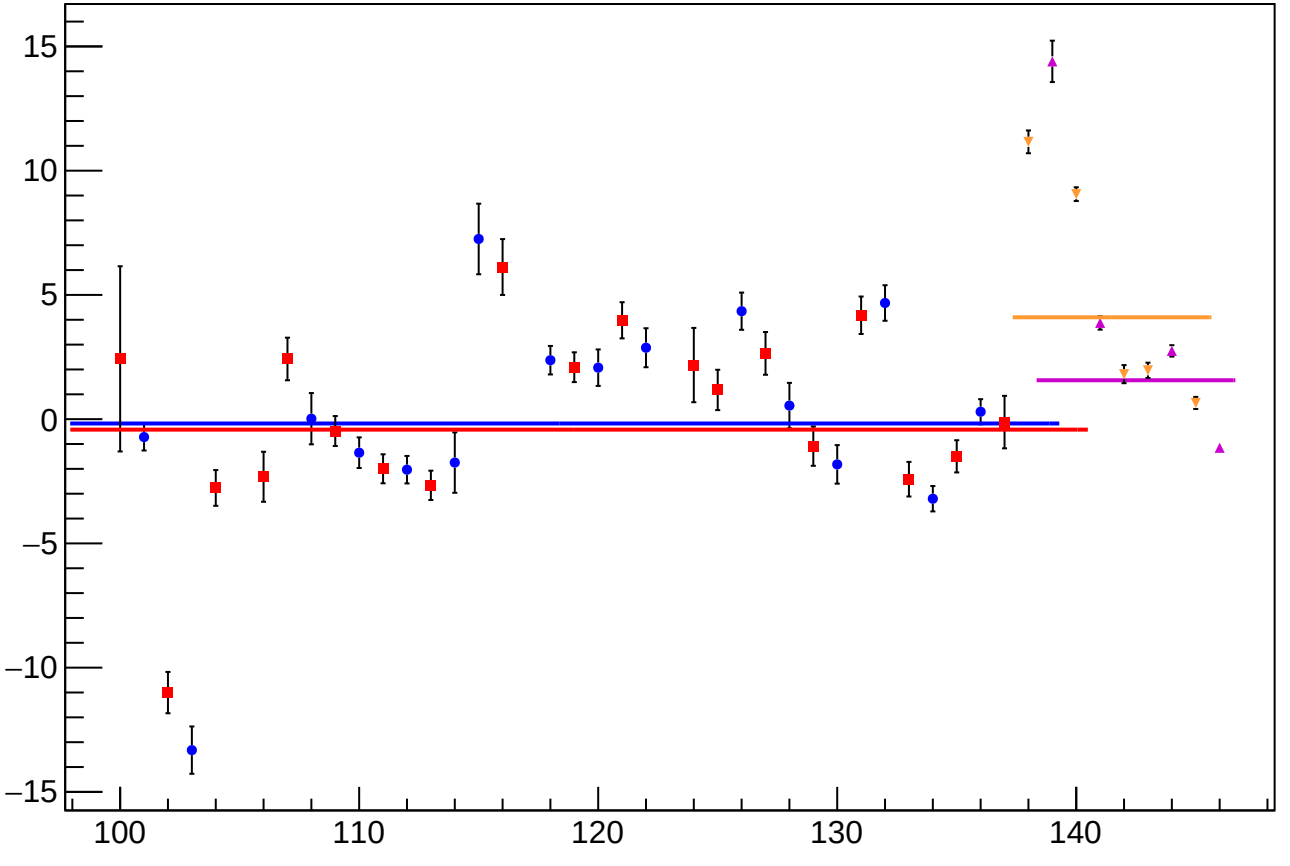
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -3.738+/-0.118 χ^2/NDF:1102.3/19

Out: -4.936+/-0.112 χ^2/NDF:3805.0/23

All: -4.364+/-0.081 χ^2/NDF: 4961.5/43

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: 4.099+/-0.138 χ^2/NDF:846.5/4

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.566+/-0.129 χ^2/NDF:531.1/3

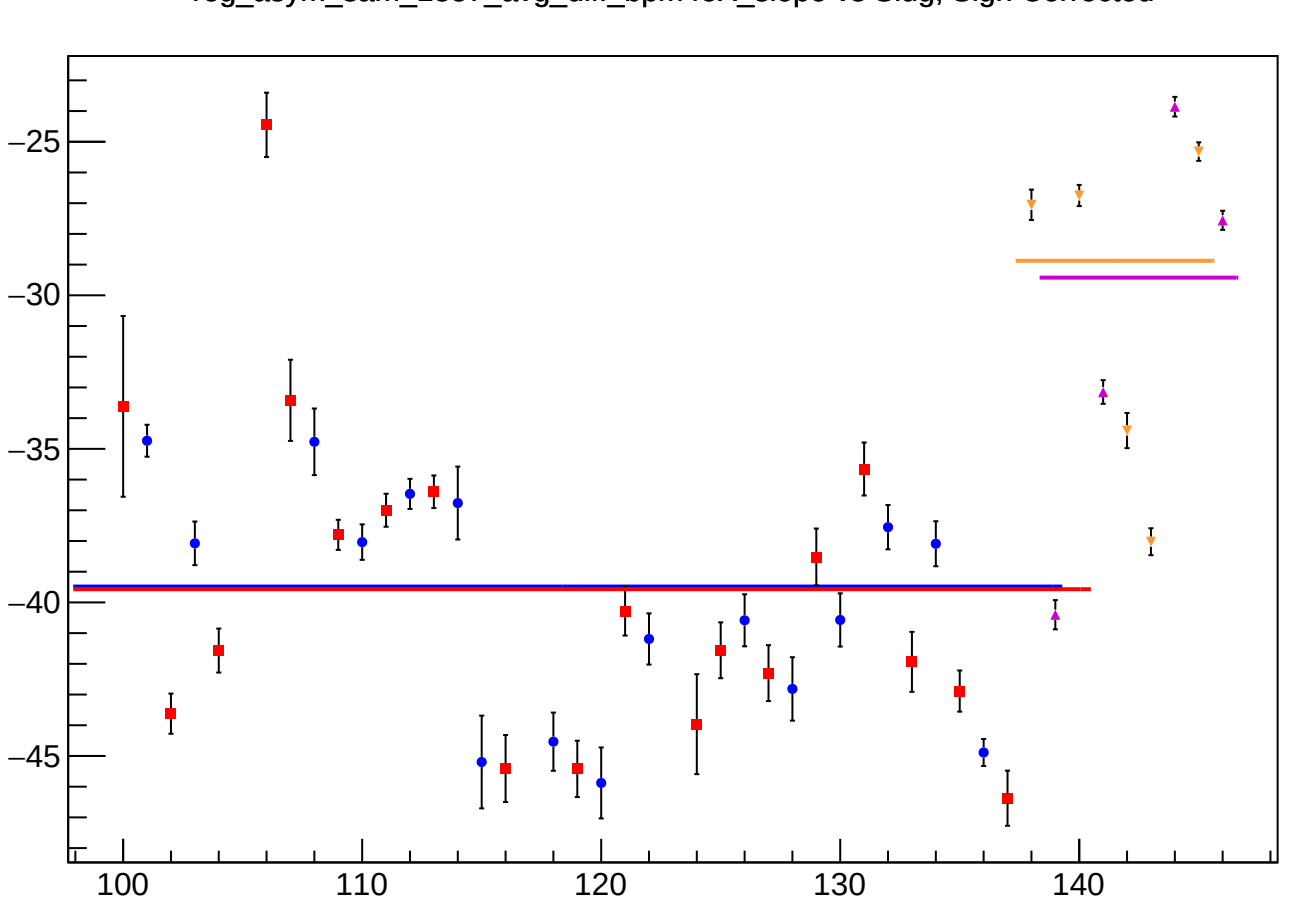
Left: 2.748+/-0.094 χ^2/NDF: 1558.7/8

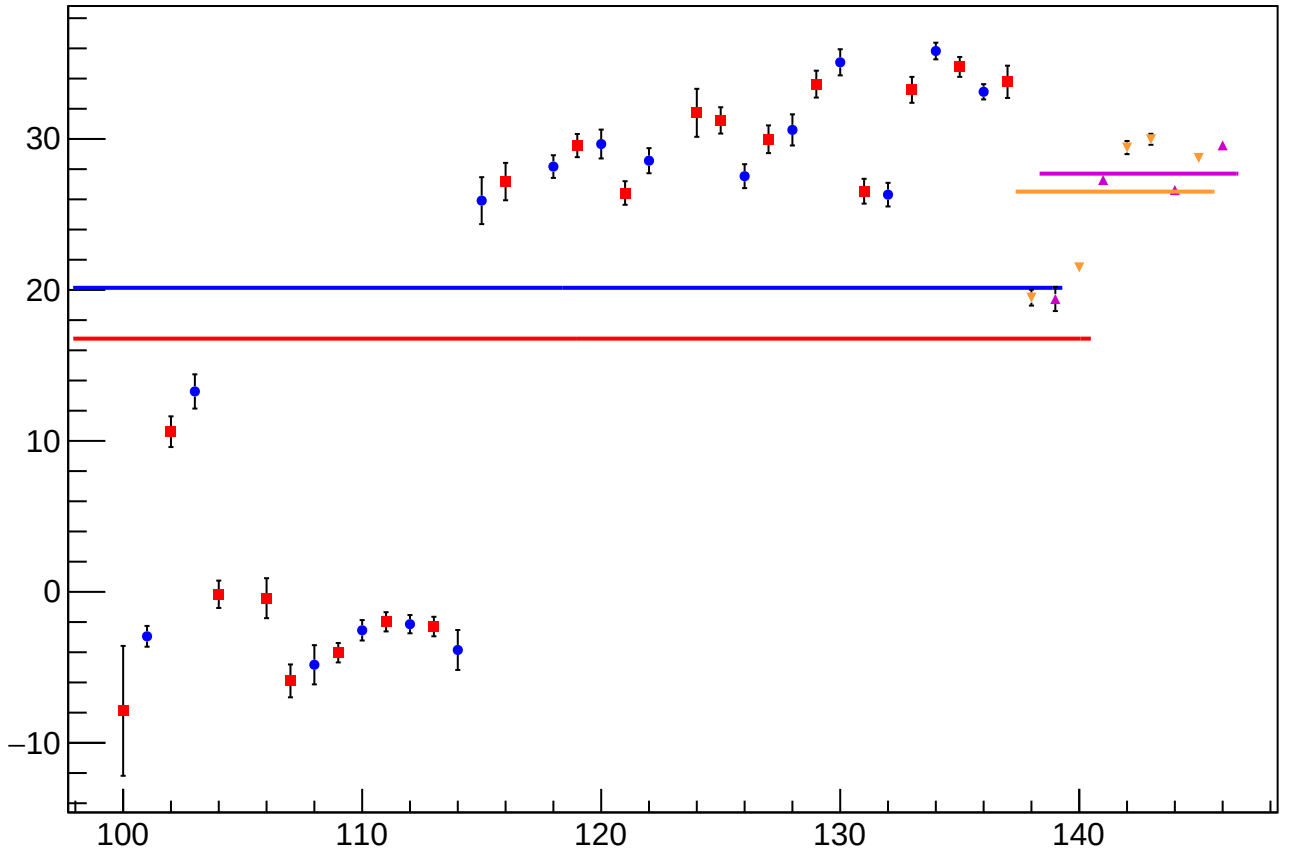
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.946+/-0.103 χ^2/NDF:999.3/19

Out: 2.401+/-0.109 χ^2/NDF:1619.0/23

All: 1.636+/-0.075 χ^2/NDF: 2712.5/43


reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−25
−30
−35
−40
−45
100
110
120
130
140
Right In: -39.484+/-0.180 χ²/NDF: 409.3/15
Left Out: -28.875+/-0.178 χ²/NDF:718.9/4
Right Out: -39.570+/-0.181 χ²/NDF: 553.5/18
Left In: -29.424+/-0.179 χ²/NDF:965.7/3
Left: -29.148+/-0.126 χ²/NDF: 1689.4/8
Right: -39.526+/-0.128 χ²/NDF: 962.9/34
In: -34.411+/-0.127 χ²/NDF:2946.1/19
Out: -34.119+/-0.127 χ²/NDF:3052.1/23
All: -34.265+/-0.090 χ²/NDF: 6000.9/43



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 26.512+/-0.161 χ^2/NDF:604.1/4

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 27.703+/-0.154 χ^2/NDF:185.9/3

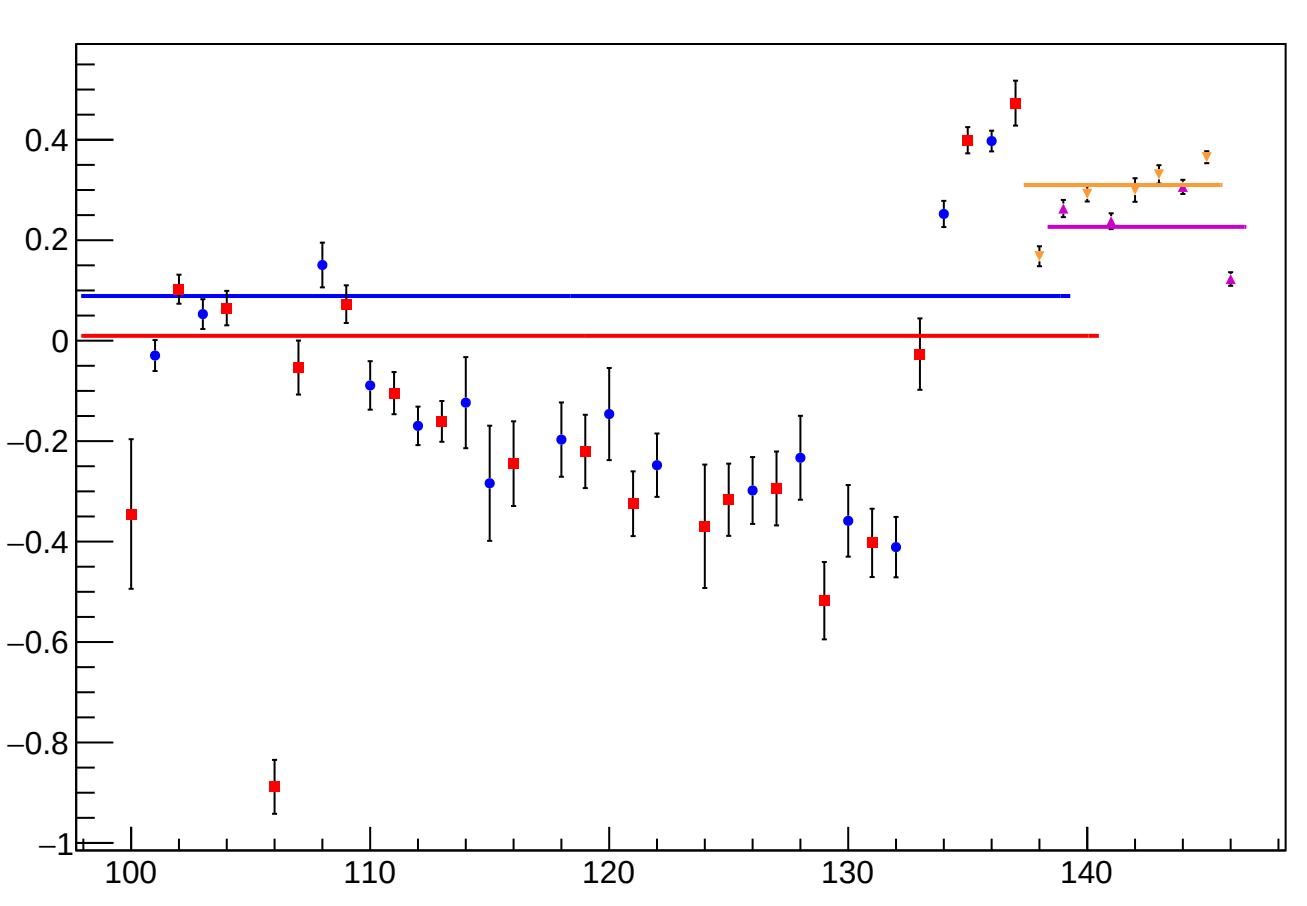
Left: 27.134+/-0.112 χ^2/NDF: 818.5/8

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 24.785+/-0.121 χ^2/NDF:7797.1/19

Out: 22.665+/-0.126 χ^2/NDF:8781.2/23

All: 23.764+/-0.087 χ^2/NDF: 16726.1/43



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.310+/-0.007 χ^2/NDF:75.3/4

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.227+/-0.007 χ^2/NDF:95.7/3

Left: 0.269+/-0.005 χ^2/NDF: 234.4/8

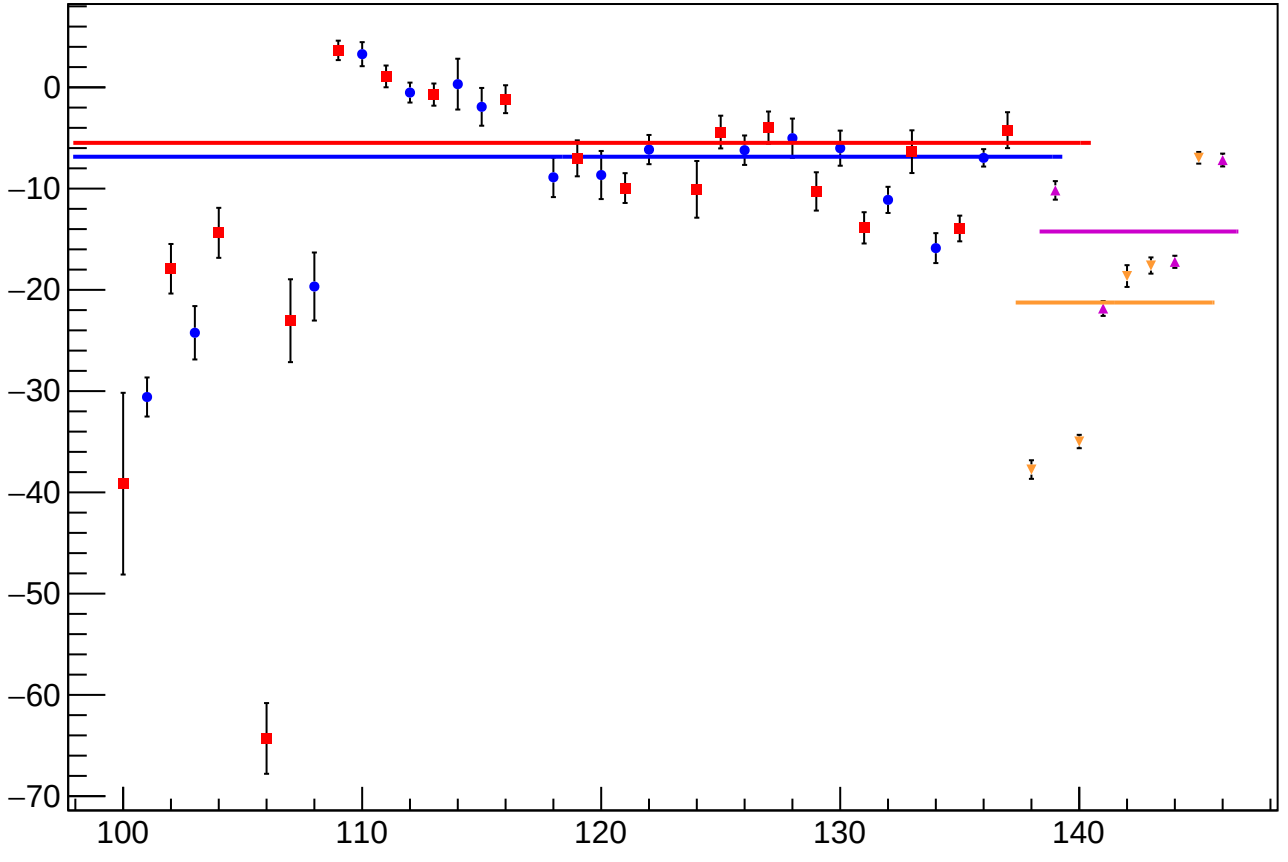
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.180+/-0.006 χ^2/NDF:775.1/19

Out: 0.218+/-0.006 χ^2/NDF:1425.1/23

All: 0.199+/-0.004 χ^2/NDF: 2219.6/43

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: -21.251+/-0.335 χ^2/NDF:1395.6/4

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.239+/-0.347 χ^2/NDF:275.2/3

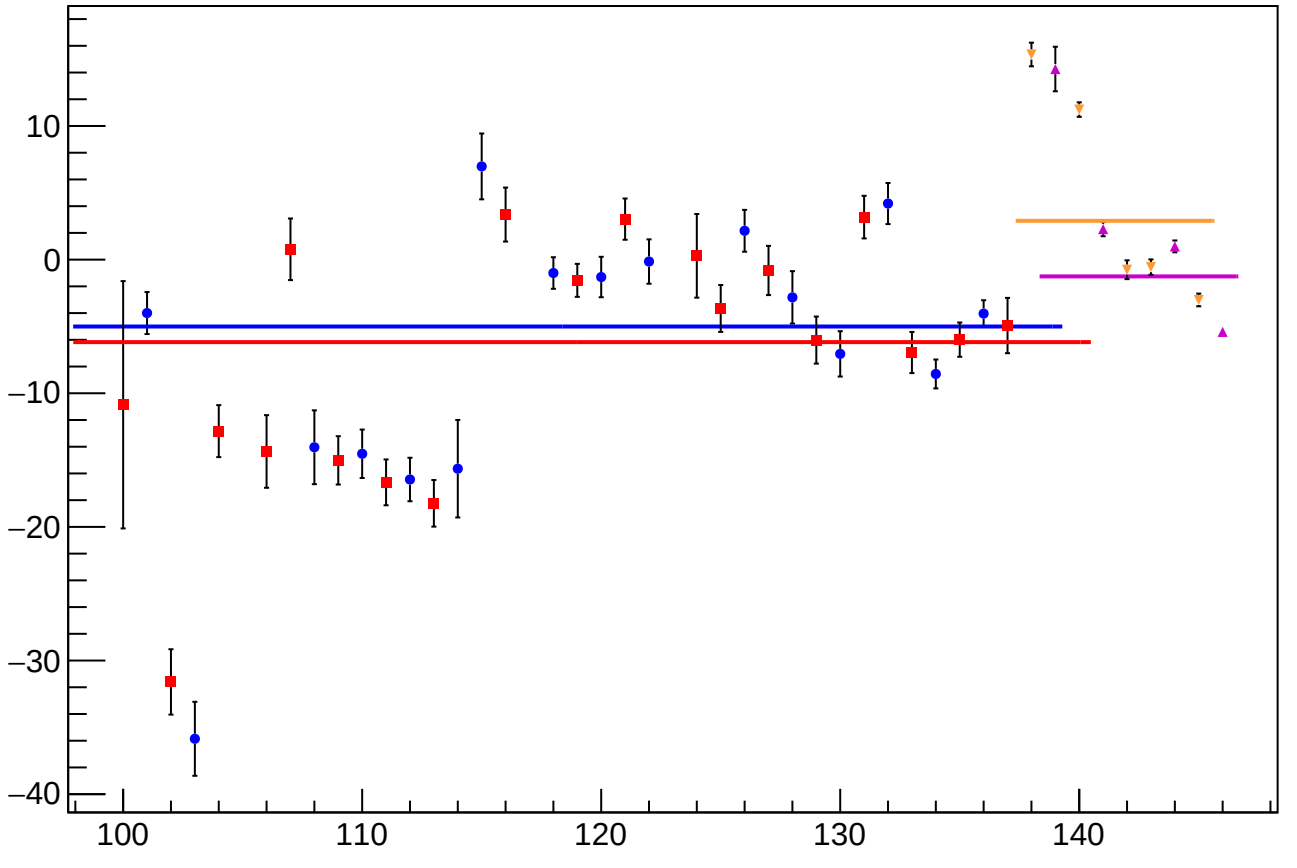
Left: -17.869+/-0.241 χ^2/NDF: 1882.1/8

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -10.836+/-0.255 χ^2/NDF:873.8/19

Out: -14.124+/-0.248 χ^2/NDF:3003.0/23

All: -12.525+/-0.178 χ^2/NDF: 3962.3/43



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 2.905+/-0.266 χ^2/NDF:650.0/4

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -1.255+/-0.250 χ^2/NDF:278.6/3

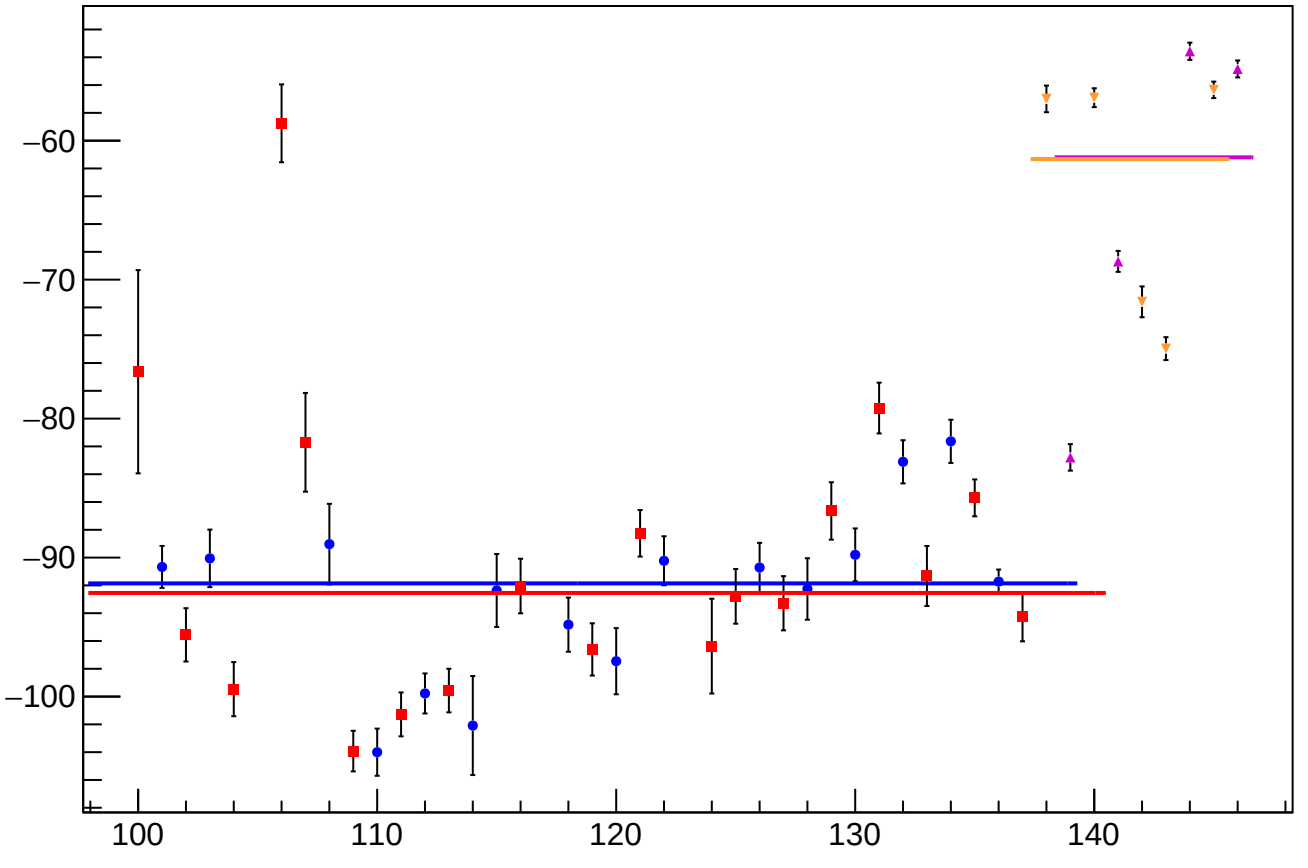
Left: 0.690+/-0.182 χ^2/NDF: 1058.5/8

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.324+/-0.211 χ^2/NDF:684.6/19

Out: 0.270+/-0.224 χ^2/NDF:1356.3/23

All: -1.106+/-0.154 χ^2/NDF: 2111.8/43



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -61.322+/-0.345 χ^2/NDF:492.9/4

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -61.200+/-0.350 χ^2/NDF:872.1/3

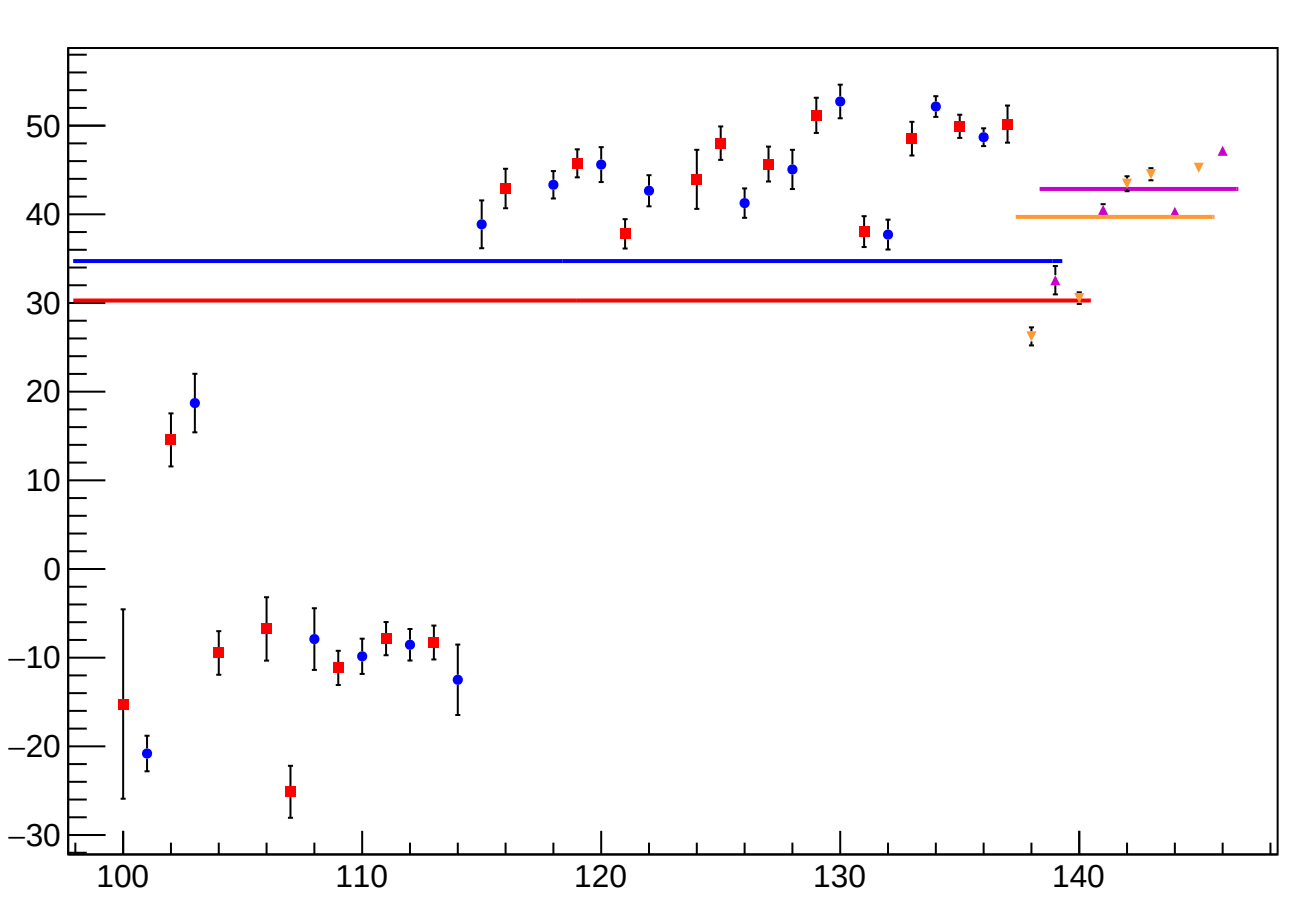
Left: -61.262+/-0.246 χ^2/NDF: 1365.1/8

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.636+/-0.270 χ^2/NDF:4155.9/19

Out: -73.249+/-0.271 χ^2/NDF:4003.0/23

All: -73.443+/-0.191 χ^2/NDF: 8159.8/43



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 39.708+/-0.313 χ^2/NDF:543.1/4

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 42.861+/-0.301 χ^2/NDF:163.3/3

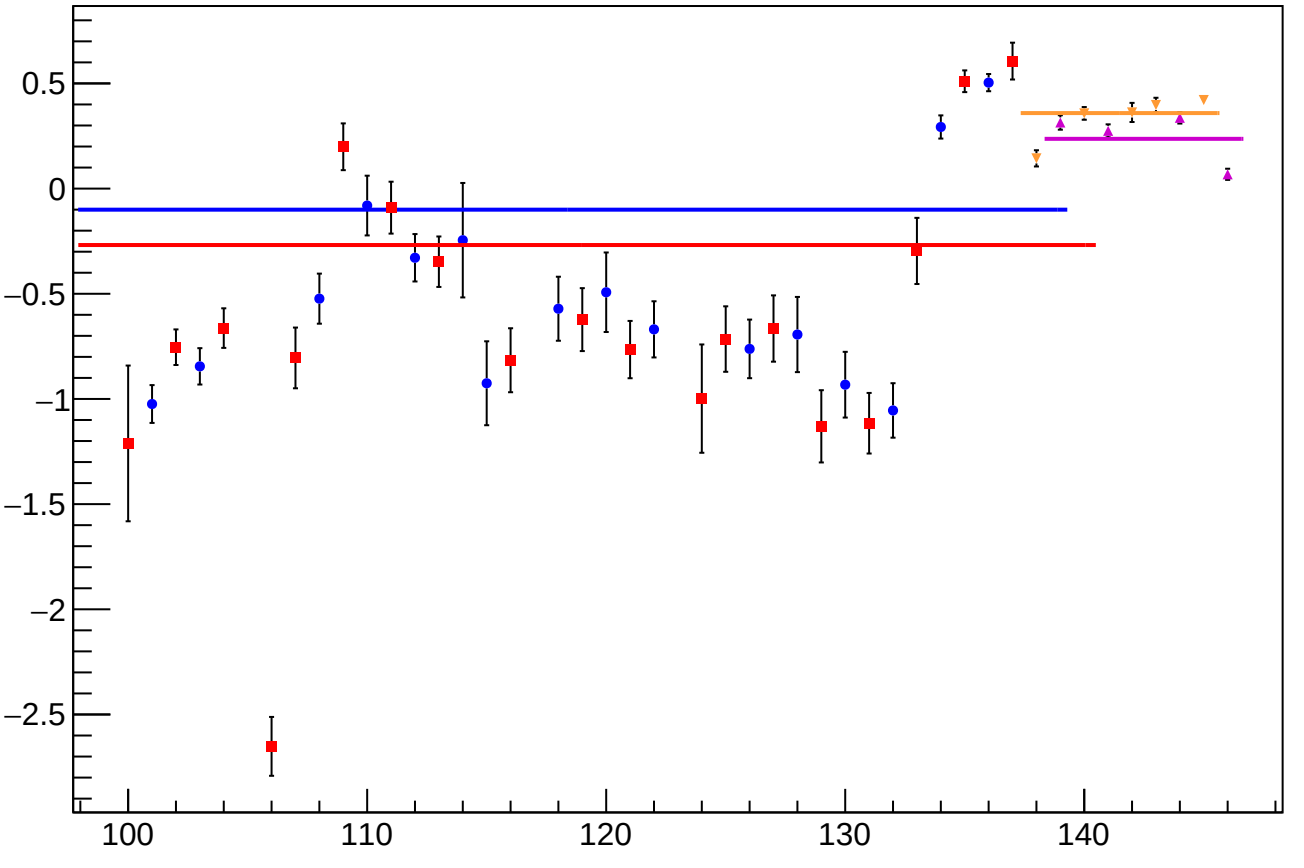
Left: 41.348+/-0.217 χ^2/NDF: 759.2/8

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 40.289+/-0.249 χ^2/NDF:3203.9/19

Out: 36.788+/-0.260 χ^2/NDF:3735.6/23

All: 38.617+/-0.180 χ^2/NDF: 7034.3/43



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.359+/-0.014 χ^2/NDF:39.4/4

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.237+/-0.015 χ^2/NDF:60.4/3

Left: 0.299+/-0.010 χ^2/NDF: 135.6/8

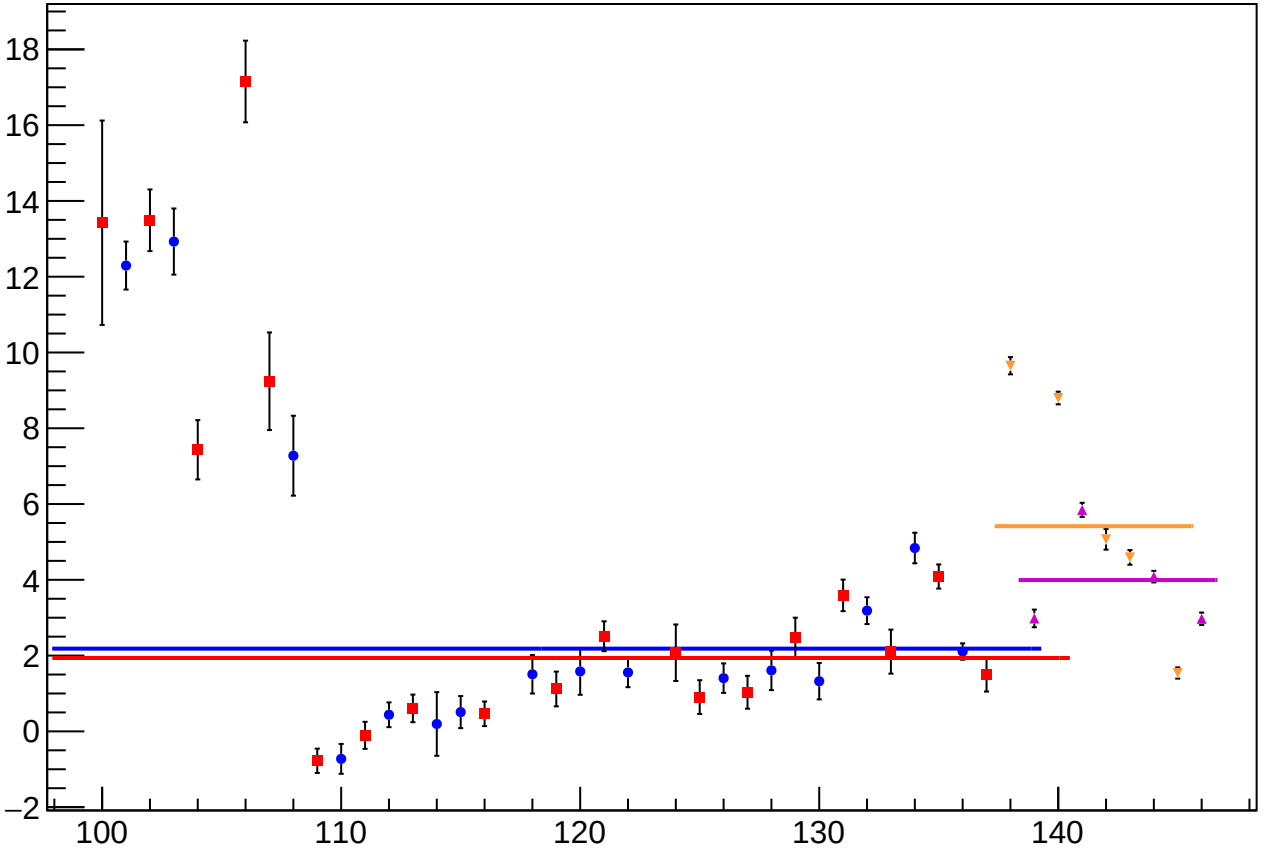
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.145+/-0.013 χ^2/NDF:835.0/19

Out: 0.217+/-0.013 χ^2/NDF:1300.2/23

All: 0.181+/-0.009 χ^2/NDF: 2151.5/43

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: 5.416+/-0.084 χ^2/NDF:1452.2/4

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 3.994+/-0.089 χ^2/NDF:156.8/3

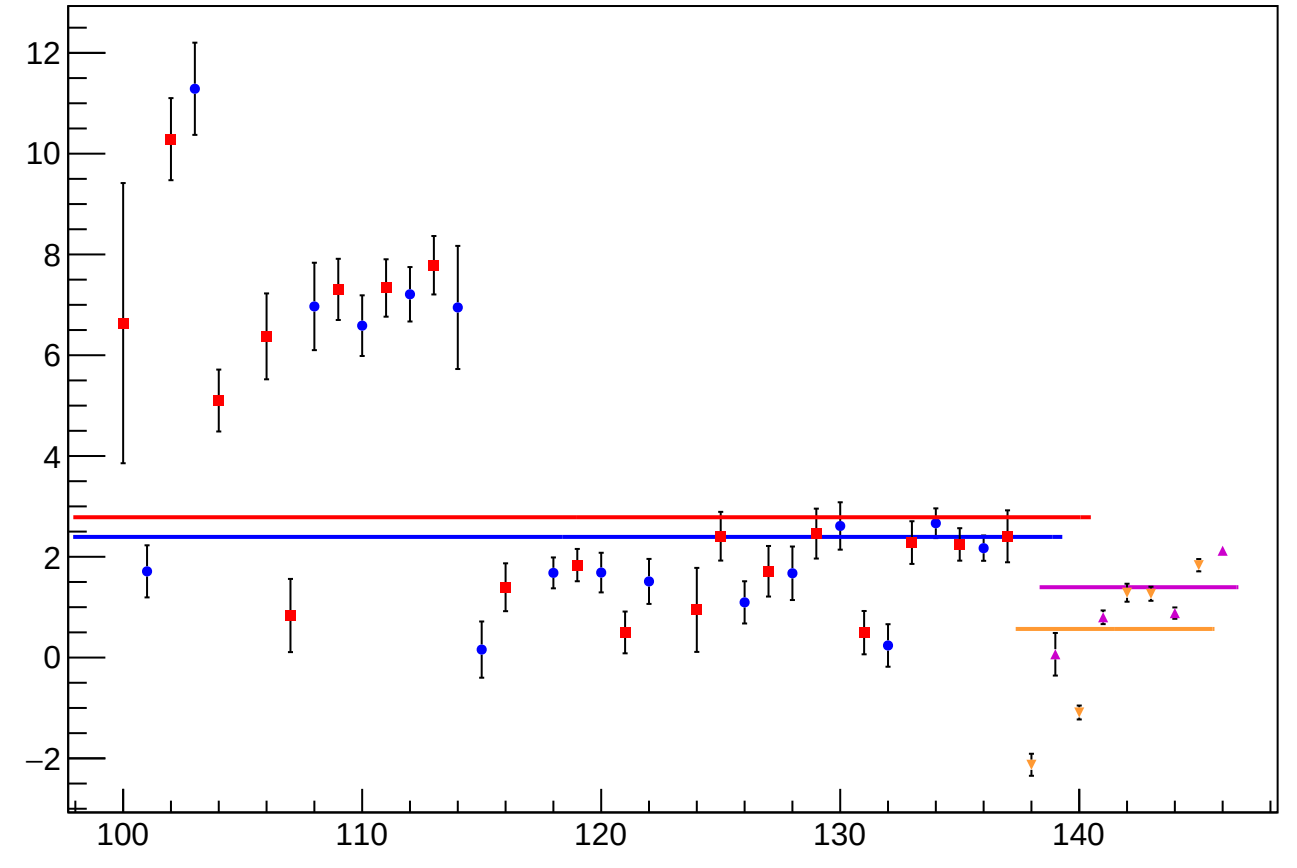
Left: 4.739+/-0.061 χ^2/NDF: 1743.9/8

Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.241+/-0.068 χ^2/NDF:929.8/19

Out: 4.057+/-0.066 χ^2/NDF:2832.4/23

All: 3.660+/-0.047 χ^2/NDF: 3836.7/43



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 0.568+/-0.067 χ^2/NDF:444.3/4

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.396+/-0.063 χ^2/NDF:108.3/3

Left: 1.006+/-0.046 χ^2/NDF: 633.5/8

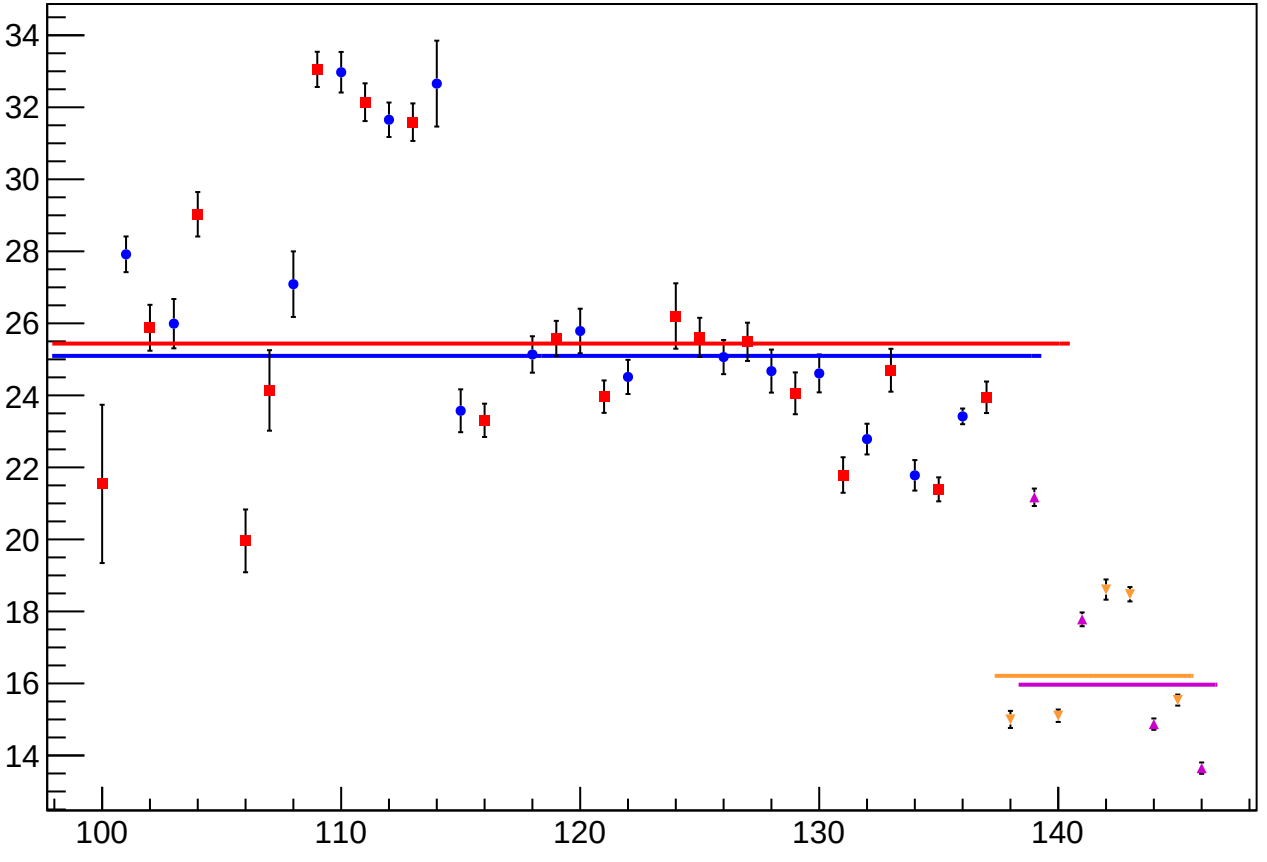
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.650+/-0.055 χ^2/NDF:505.5/19

Out: 1.123+/-0.058 χ^2/NDF:1129.6/23

All: 1.402+/-0.040 χ^2/NDF: 1678.9/43

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 16.211+/-0.087 χ^2/NDF:288.8/4

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 15.965+/-0.089 χ^2/NDF:816.9/3

Left: 16.092+/-0.062 χ^2/NDF: 1109.6/8

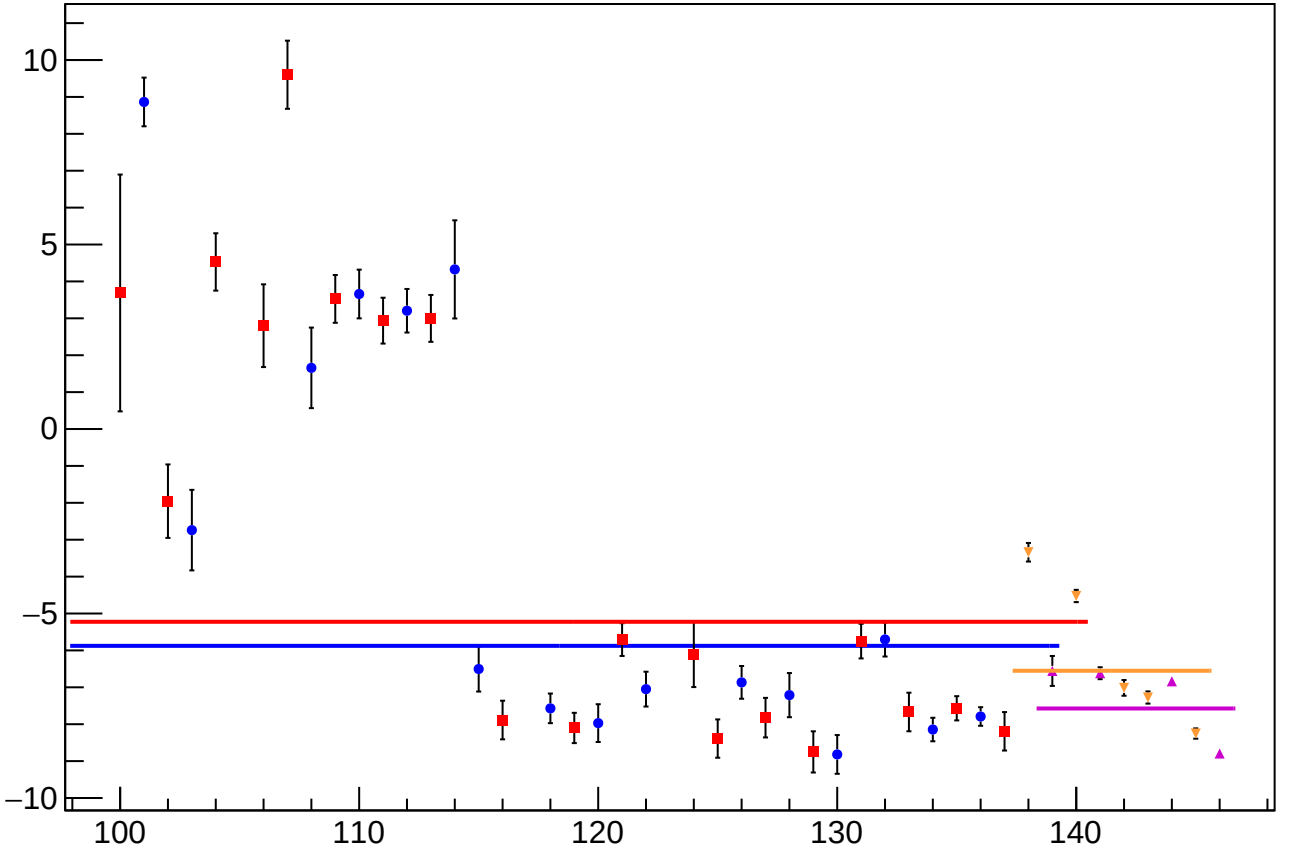
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.312+/-0.071 χ^2/NDF:5262.9/19

Out: 19.257+/-0.071 χ^2/NDF:4874.4/23

All: 19.284+/-0.050 χ^2/NDF: 10137.5/43

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: -6.551+/-0.079 χ^2/NDF:482.6/4

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -7.574+/-0.076 χ^2/NDF:175.9/3

Left: -7.078+/-0.055 χ^2/NDF: 745.4/8

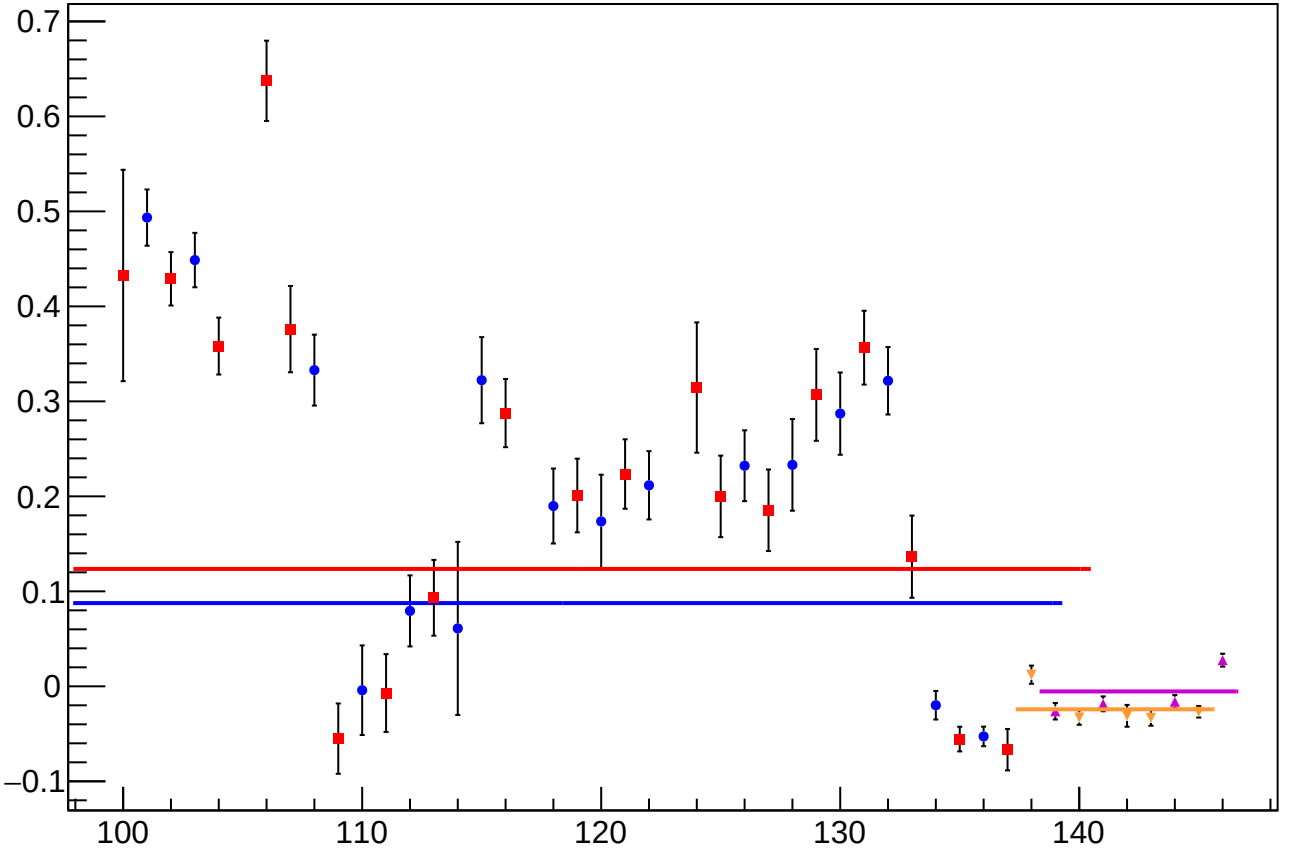
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.088+/-0.065 χ^2/NDF:1568.6/19

Out: -6.193+/-0.067 χ^2/NDF:1851.2/23

All: -6.659+/-0.047 χ^2/NDF: 3511.9/43

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: -0.024+/-0.004 χ^2/NDF:17.5/4

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.005+/-0.004 χ^2/NDF:34.3/3

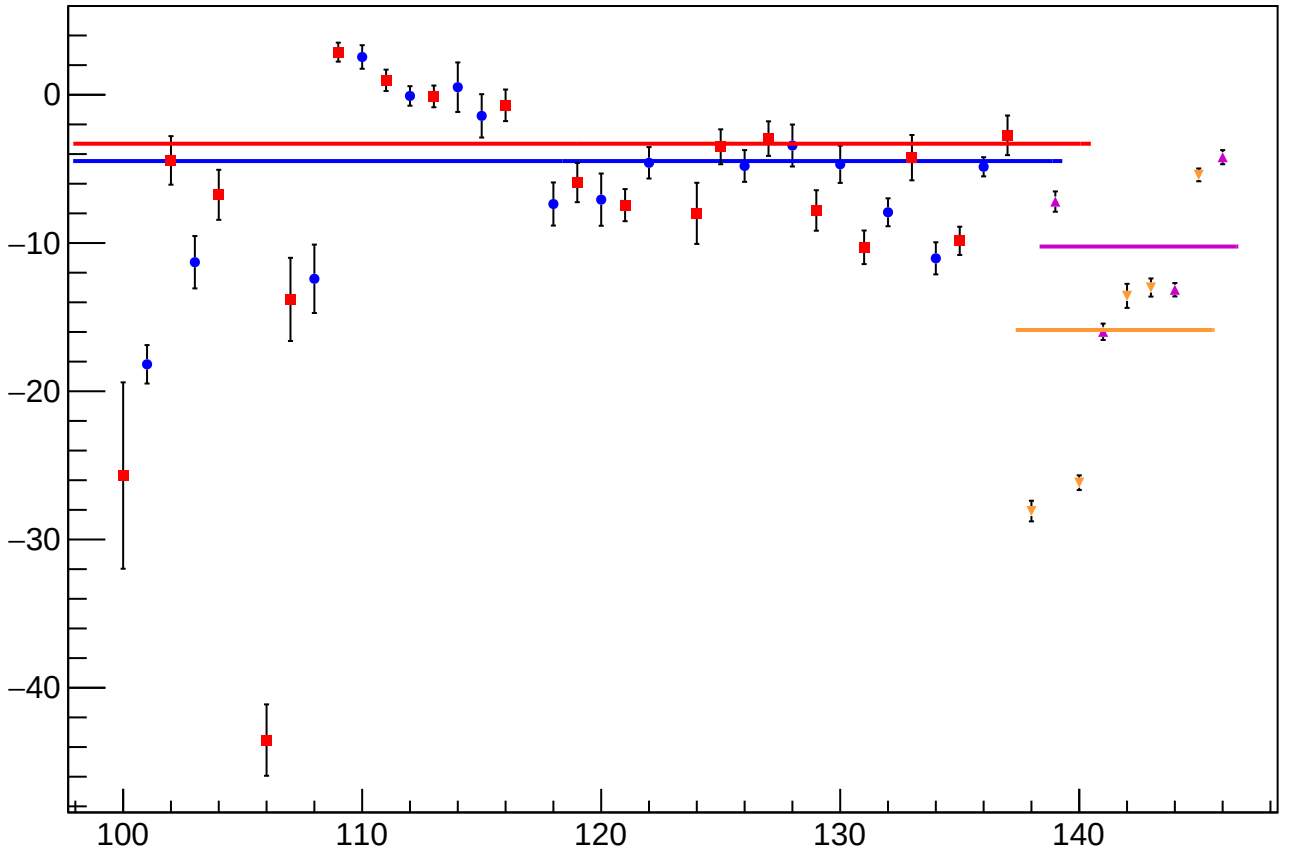
Left: -0.015+/-0.003 χ^2/NDF: 65.0/8

Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.017+/-0.003 χ^2/NDF:952.9/19

Out: 0.005+/-0.003 χ^2/NDF:1107.3/23

All: 0.011+/-0.002 χ^2/NDF: 2067.9/43



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -15.866+/-0.253 χ^2/NDF:1354.7/4

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.237+/-0.261 χ^2/NDF:329.5/3

Left: -13.142+/-0.182 χ^2/NDF: 1924.3/8

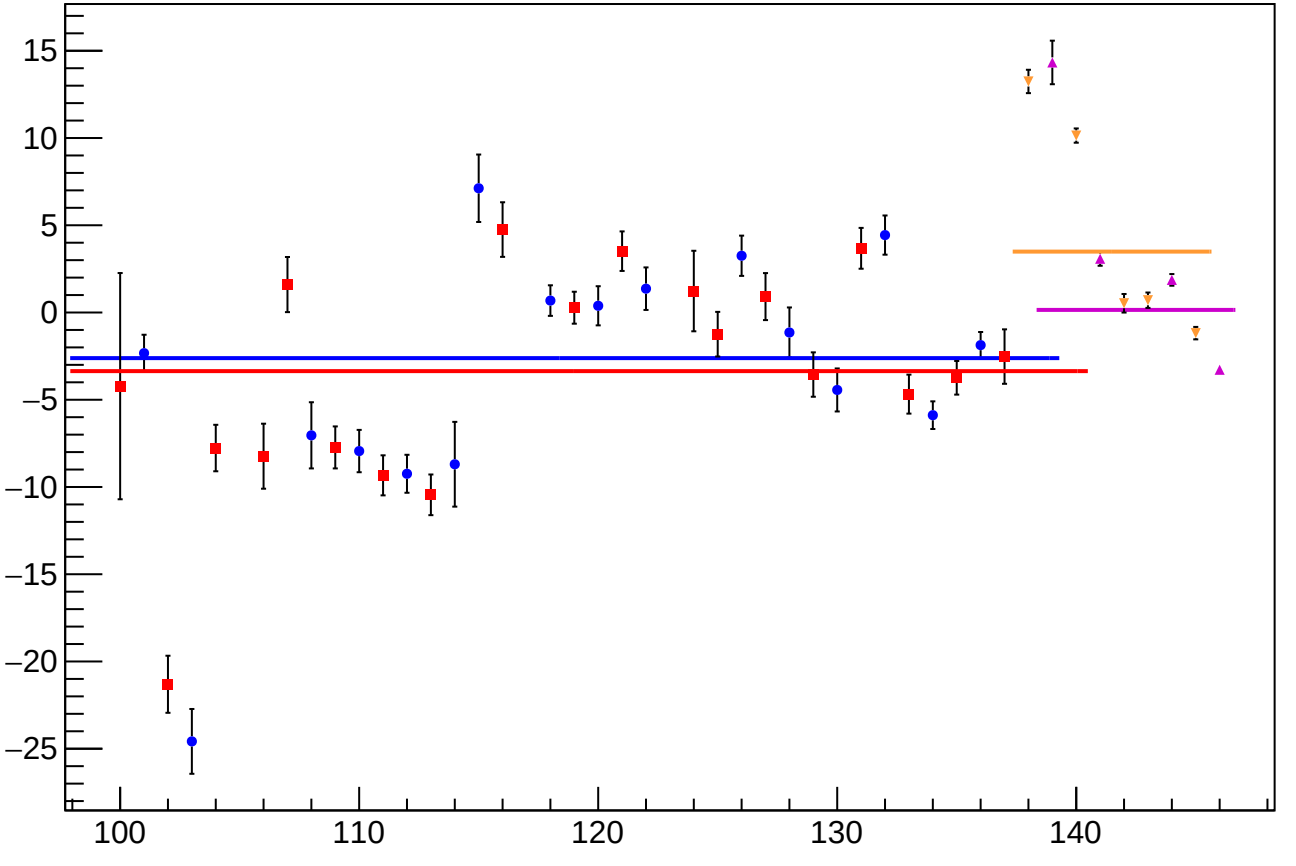
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -7.435+/-0.187 χ^2/NDF:898.5/19

Out: -9.783+/-0.181 χ^2/NDF:3136.4/23

All: -8.645+/-0.130 χ^2/NDF: 4116.0/43

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 3.490+/-0.201 χ^2/NDF:718.3/4

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 0.149+/-0.188 χ^2/NDF:355.3/3

Left: 1.709+/-0.137 χ^2/NDF: 1220.8/8

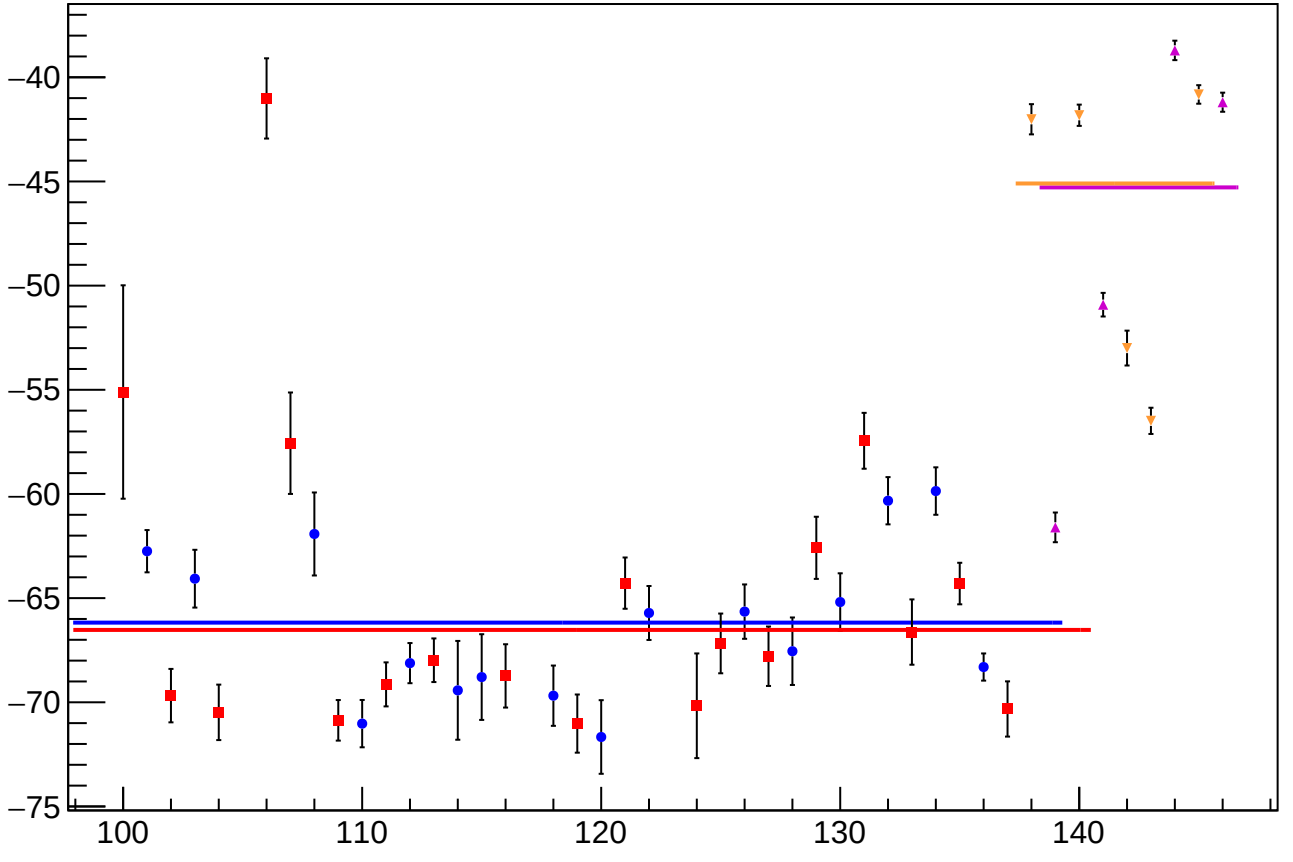
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -0.687+/-0.157 χ^2/NDF:772.5/19

Out: 1.354+/-0.167 χ^2/NDF:1439.7/23

All: 0.273+/-0.114 χ^2/NDF: 2291.5/43

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -45.097+/-0.260 χ^2/NDF:568.5/4

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -45.285+/-0.263 χ^2/NDF:900.2/3

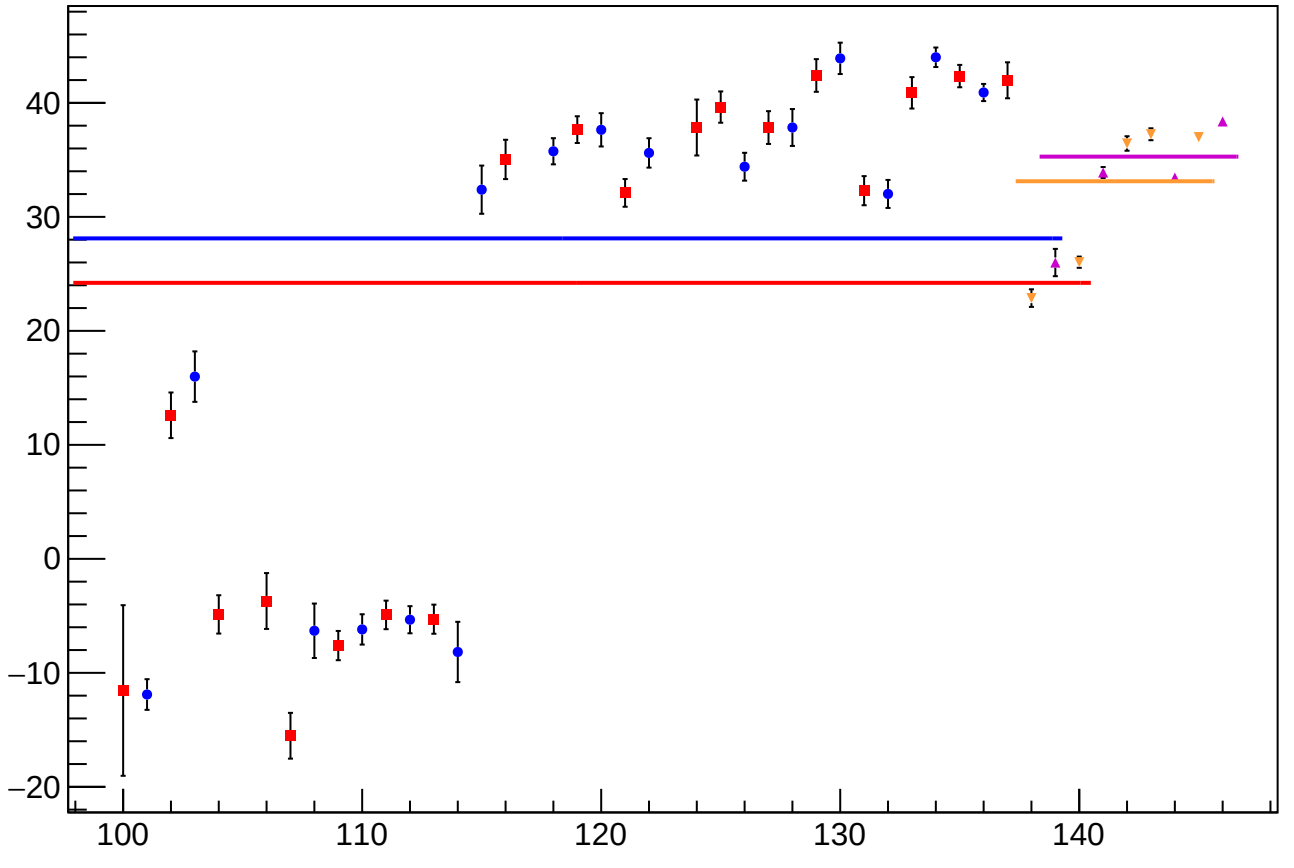
Left: -45.190+/-0.185 χ^2/NDF: 1468.9/8

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -54.230+/-0.199 χ^2/NDF:3724.1/19

Out: -53.879+/-0.200 χ^2/NDF:3665.9/23

All: -54.055+/-0.141 χ^2/NDF: 7391.5/43



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.125+/-0.236 χ^2/NDF:563.6/4

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.284+/-0.226 χ^2/NDF:166.4/3

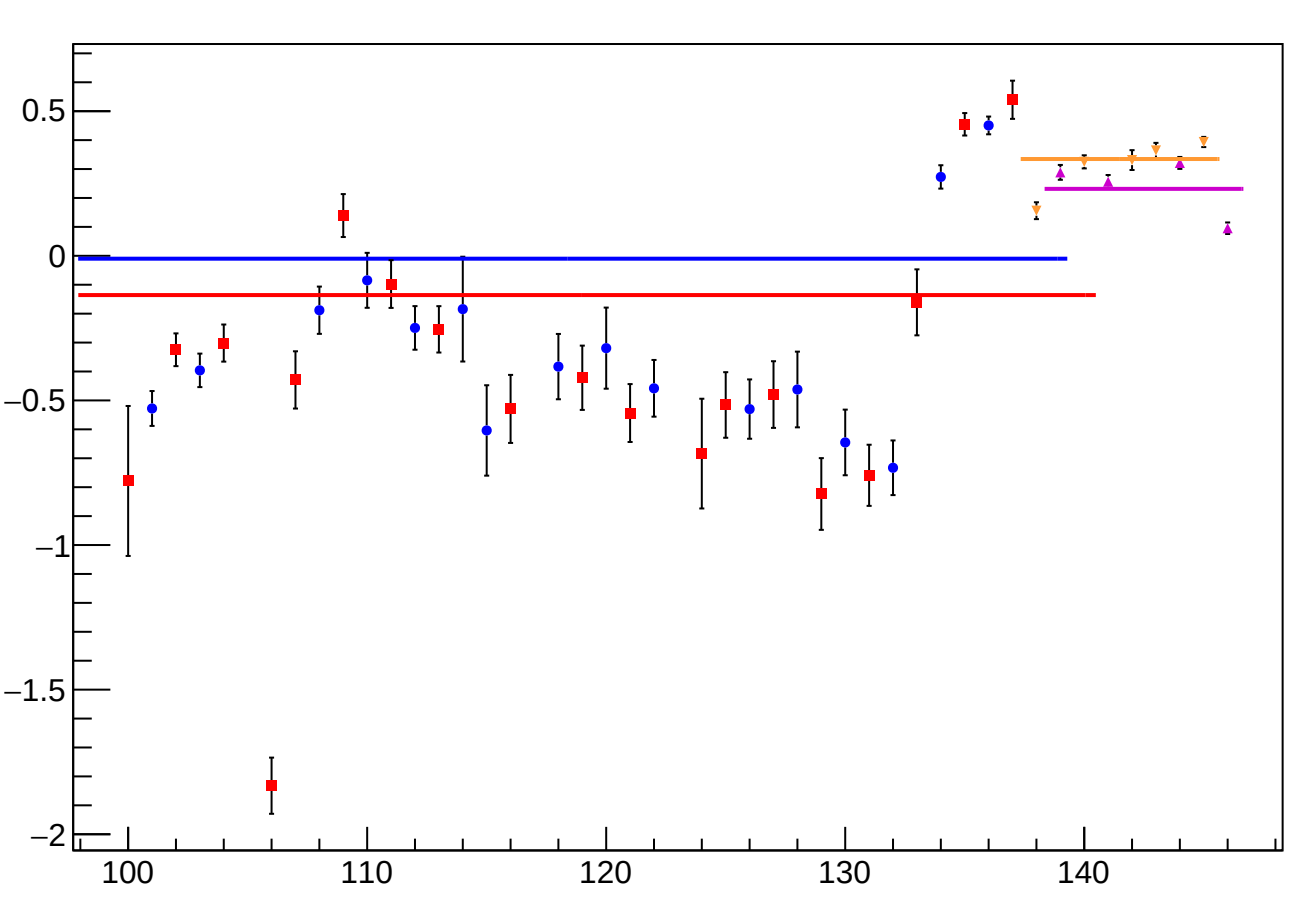
Left: 34.250+/-0.163 χ^2/NDF: 773.6/8

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 32.891+/-0.185 χ^2/NDF:4228.9/19

Out: 30.173+/-0.193 χ^2/NDF:4877.0/23

All: 31.592+/-0.134 χ^2/NDF: 9209.3/43



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.335+/-0.011 χ^2/NDF:50.2/4

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.231+/-0.011 χ^2/NDF:71.6/3

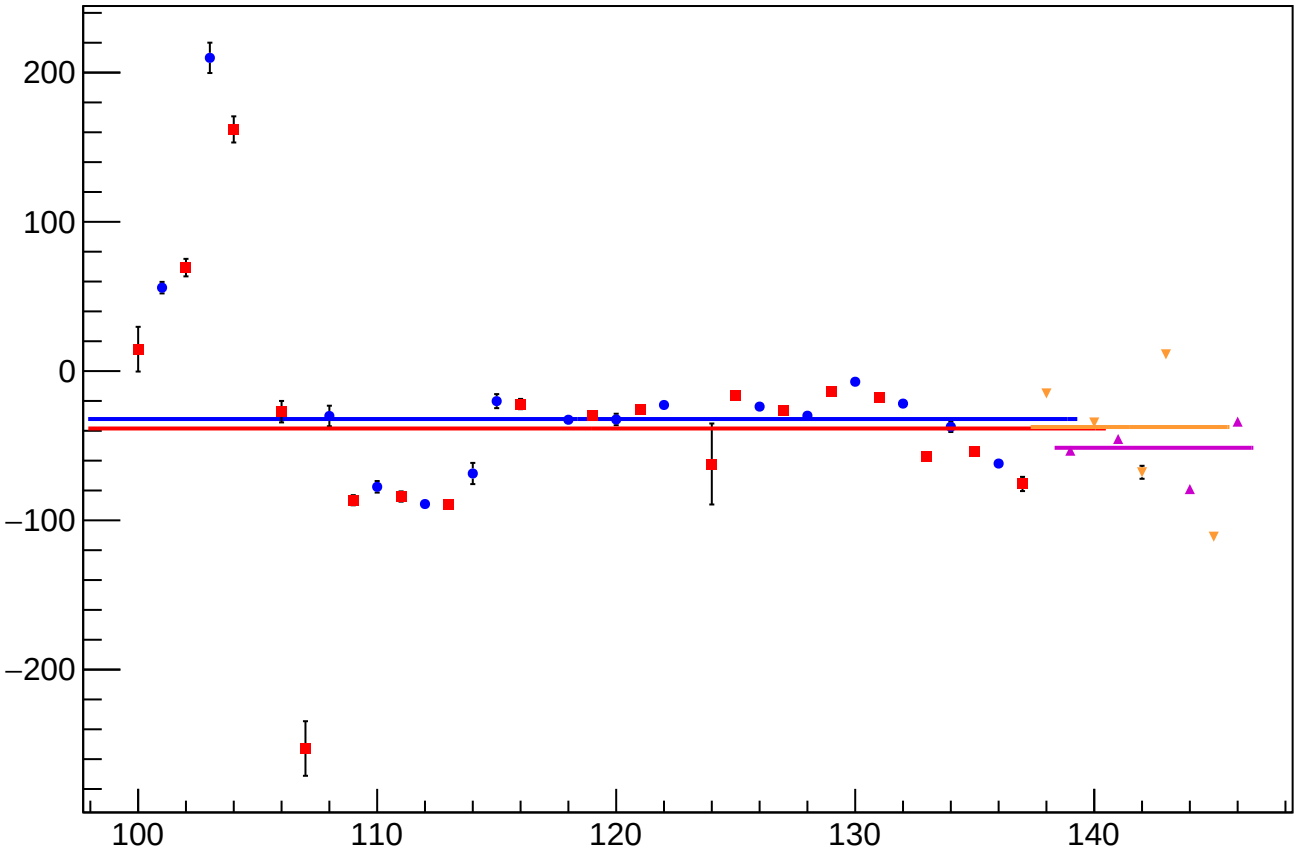
Left: 0.284+/-0.008 χ^2/NDF: 166.7/8

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.162+/-0.009 χ^2/NDF:797.2/19

Out: 0.219+/-0.009 χ^2/NDF:1339.3/23

All: 0.190+/-0.007 χ^2/NDF: 2155.2/43



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -37.475+/-1.330 χ^2/NDF:875.9/4

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -51.393+/-1.352 χ^2/NDF:133.4/3

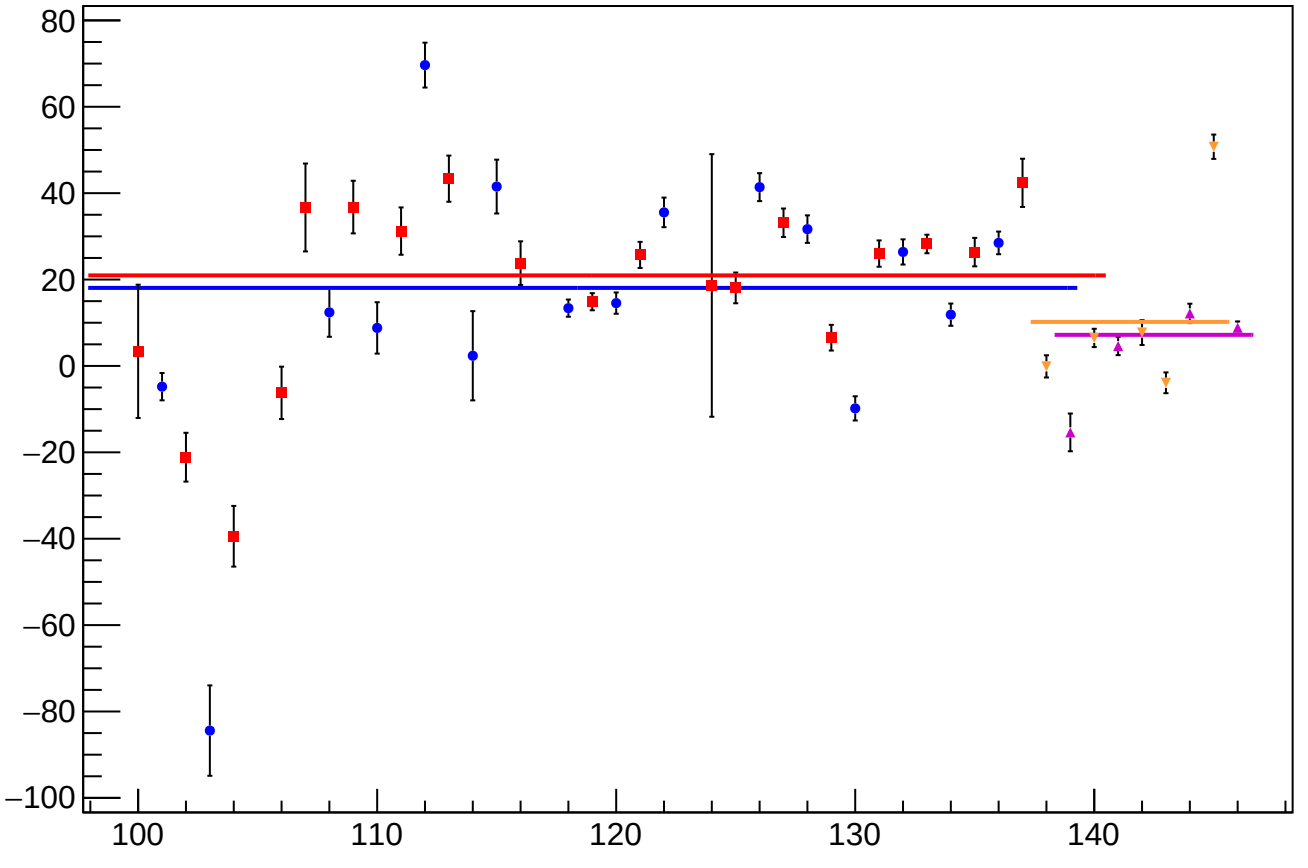
Left: -44.323+/-0.948 χ^2/NDF: 1063.2/8

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -37.513+/-0.715 χ^2/NDF:2157.4/19

Out: -38.169+/-0.725 χ^2/NDF:2848.9/23

All: -37.837+/-0.509 χ^2/NDF: 5006.6/43



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 10.193+/-1.122 χ^2/NDF:261.6/4

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 7.200+/-1.028 χ^2/NDF:34.4/3

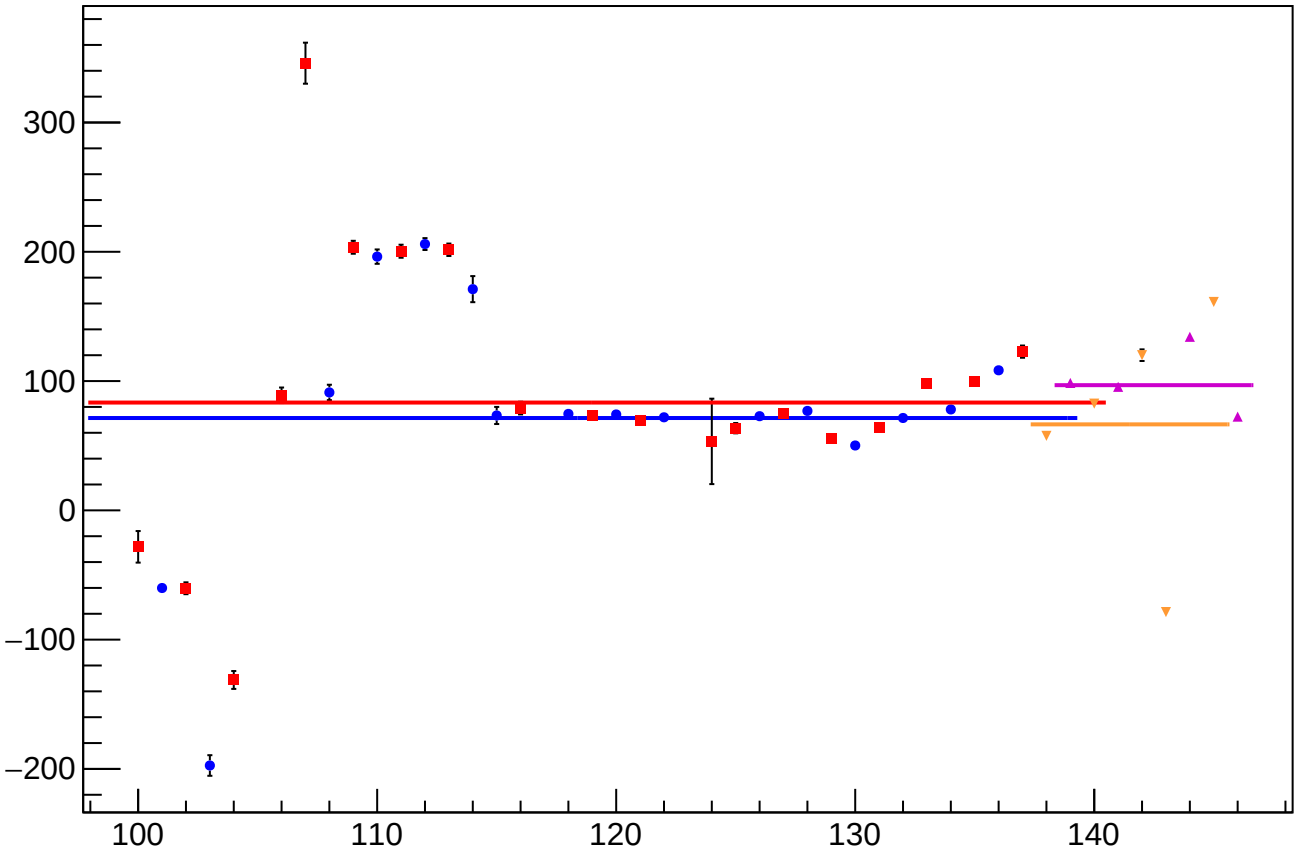
Left: 8.566+/-0.758 χ^2/NDF: 299.8/8

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 13.827+/-0.642 χ^2/NDF:602.1/19

Out: 16.928+/-0.687 χ^2/NDF:581.8/23

All: 15.273+/-0.469 χ^2/NDF: 1194.7/43



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 66.513+/-1.371 χ^2/NDF:2867.9/4

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 96.836+/-1.367 χ^2/NDF:239.7/3

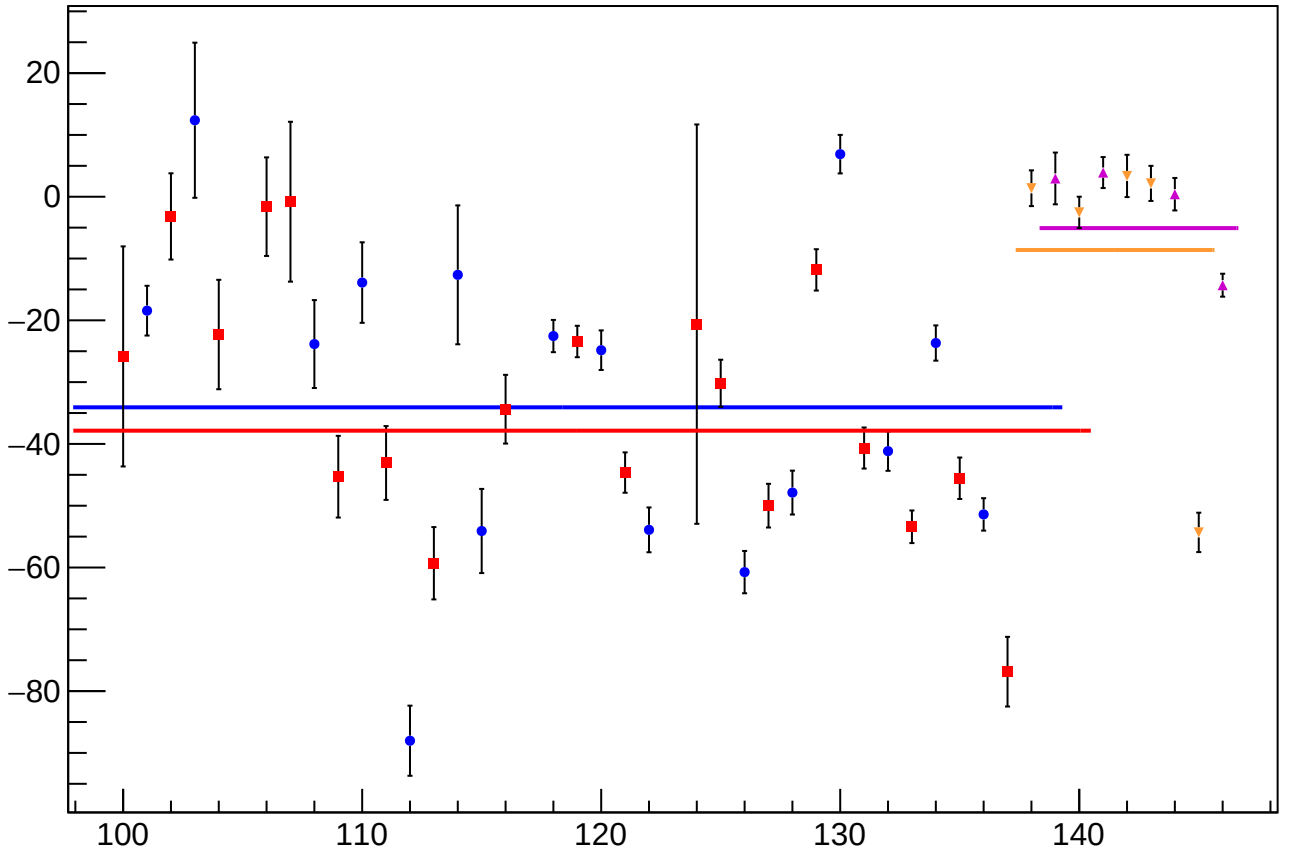
Left: 81.716+/-0.968 χ^2/NDF: 3352.9/8

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 79.476+/-0.770 χ^2/NDF:5295.4/19

Out: 77.638+/-0.800 χ^2/NDF:7265.1/23

All: 78.593+/-0.555 χ^2/NDF: 12563.2/43



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -8.618+/-1.310 χ^2/NDF:250.0/4

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -5.078+/-1.239 χ^2/NDF:45.7/3

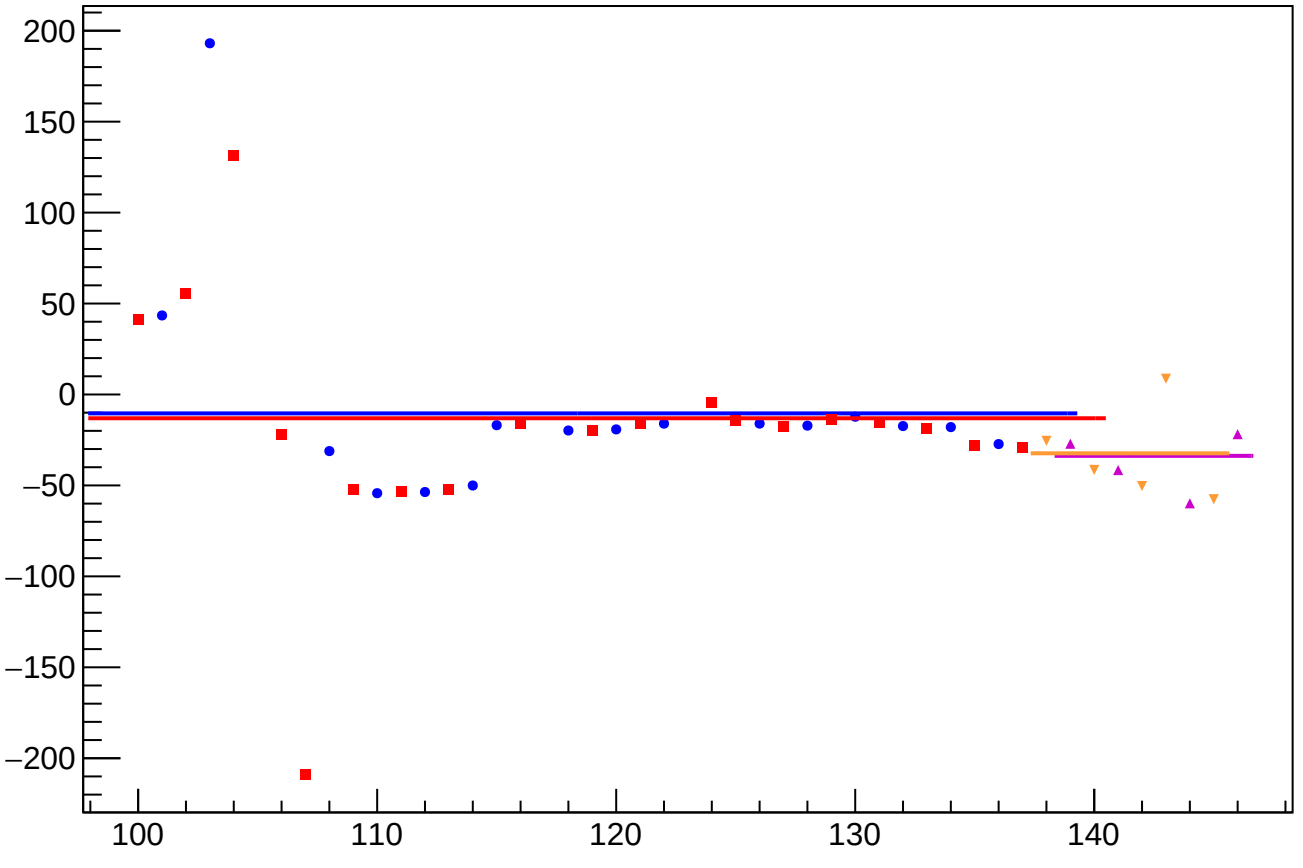
Left: -6.750+/-0.900 χ^2/NDF: 299.5/8

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -23.456+/-0.750 χ^2/NDF:903.8/19

Out: -27.174+/-0.792 χ^2/NDF:840.8/23

All: -25.215+/-0.545 χ^2/NDF: 1756.2/43



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -32.345+/-0.056 χ^2/NDF:143972.8/4

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -33.738+/-0.055 χ^2/NDF:56795.1/3

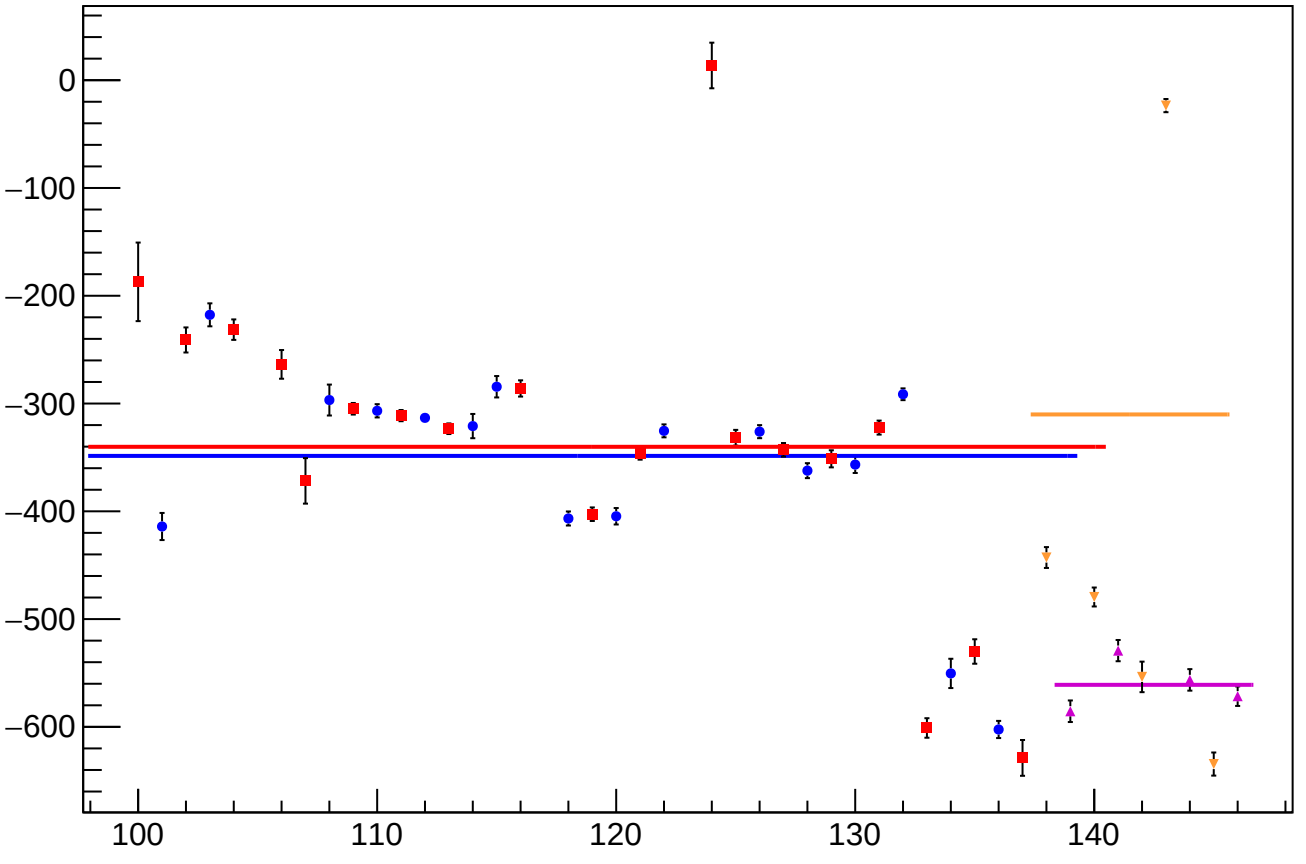
Left: -33.059+/-0.039 χ^2/NDF: 201080.9/8

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -22.452+/-0.040 χ^2/NDF:666247.0/19

Out: -23.724+/-0.042 χ^2/NDF:645925.8/23

All: -23.051+/-0.029 χ^2/NDF: 1312661.0/43



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -310.121+/-3.953 χ^2/NDF:3962.1/4

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -561.003+/-4.851 χ^2/NDF:17.9/3

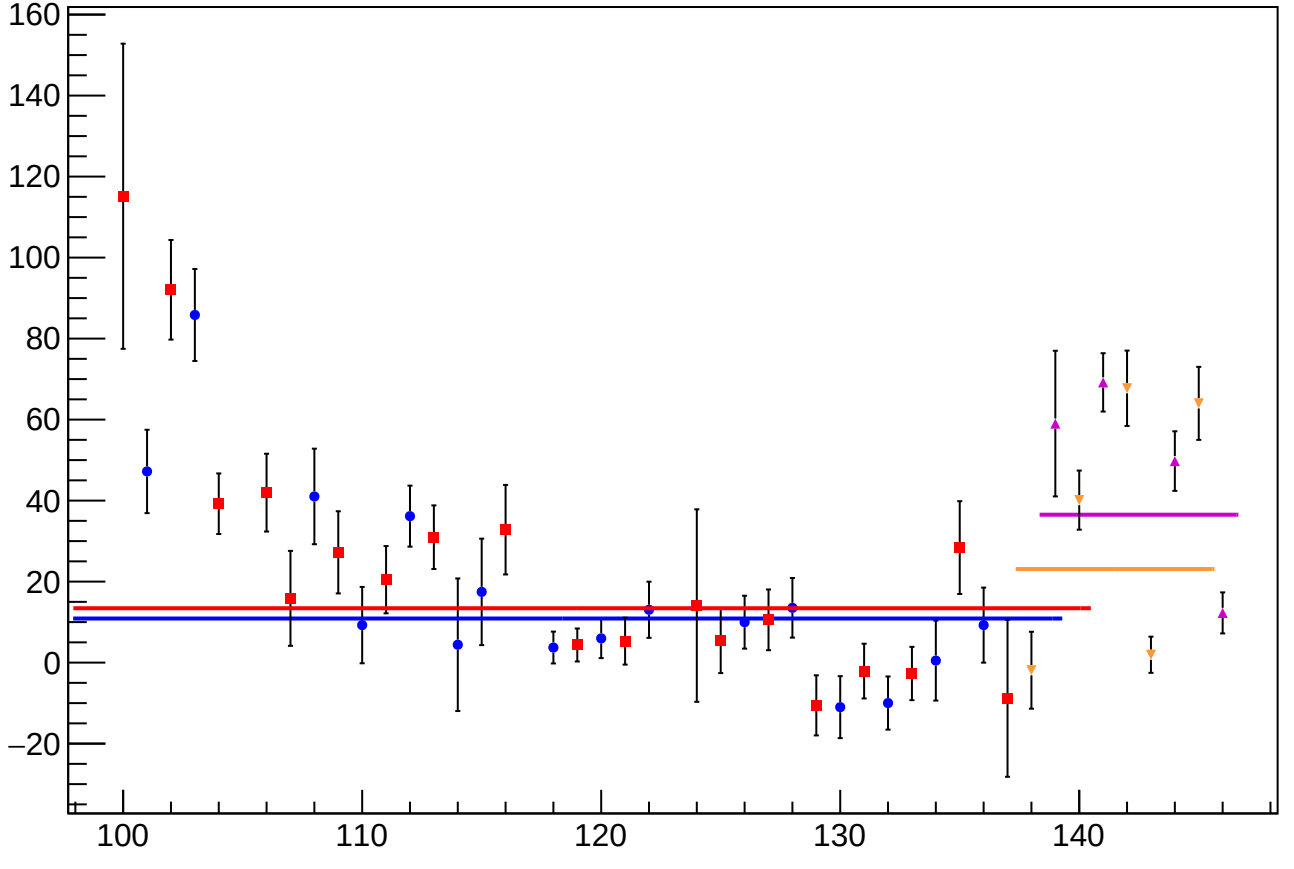
Left: -410.237+/-3.064 χ^2/NDF: 5587.6/8

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -374.916+/-1.708 χ^2/NDF:3556.1/19

Out: -335.180+/-1.607 χ^2/NDF:6207.4/23

All: -353.845+/-1.170 χ^2/NDF: 10050.5/43



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 23.103+/-3.103 χ^2/NDF:78.4/4

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 36.517+/-3.540 χ^2/NDF:48.3/3

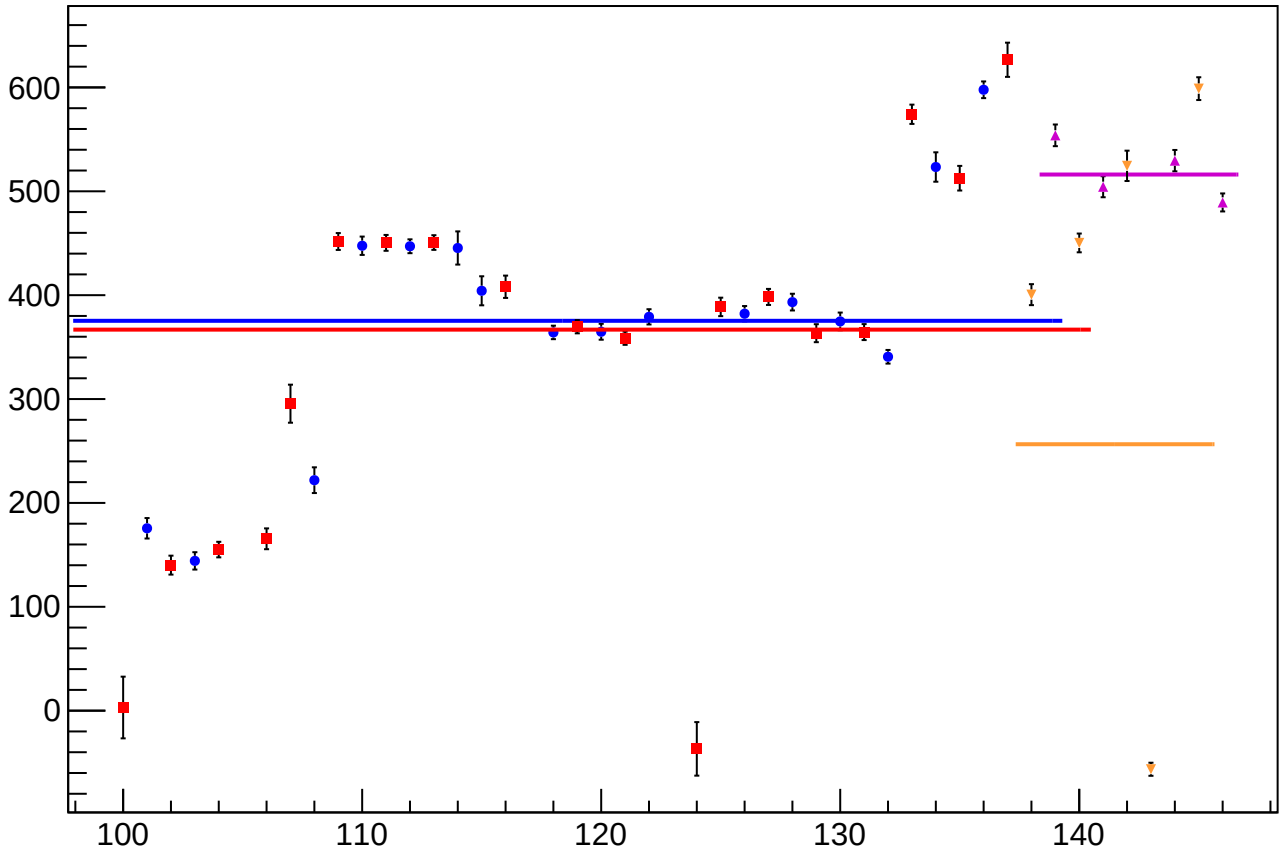
Left: 28.931+/-2.333 χ^2/NDF: 134.8/8

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 16.352+/-1.635 χ^2/NDF:187.8/19

Out: 15.974+/-1.592 χ^2/NDF:198.0/23

All: 16.158+/-1.140 χ^2/NDF: 385.8/43



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 256.502+/-4.073 χ^2/NDF:4445.2/4

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 516.151+/-4.894 χ^2/NDF:25.7/3

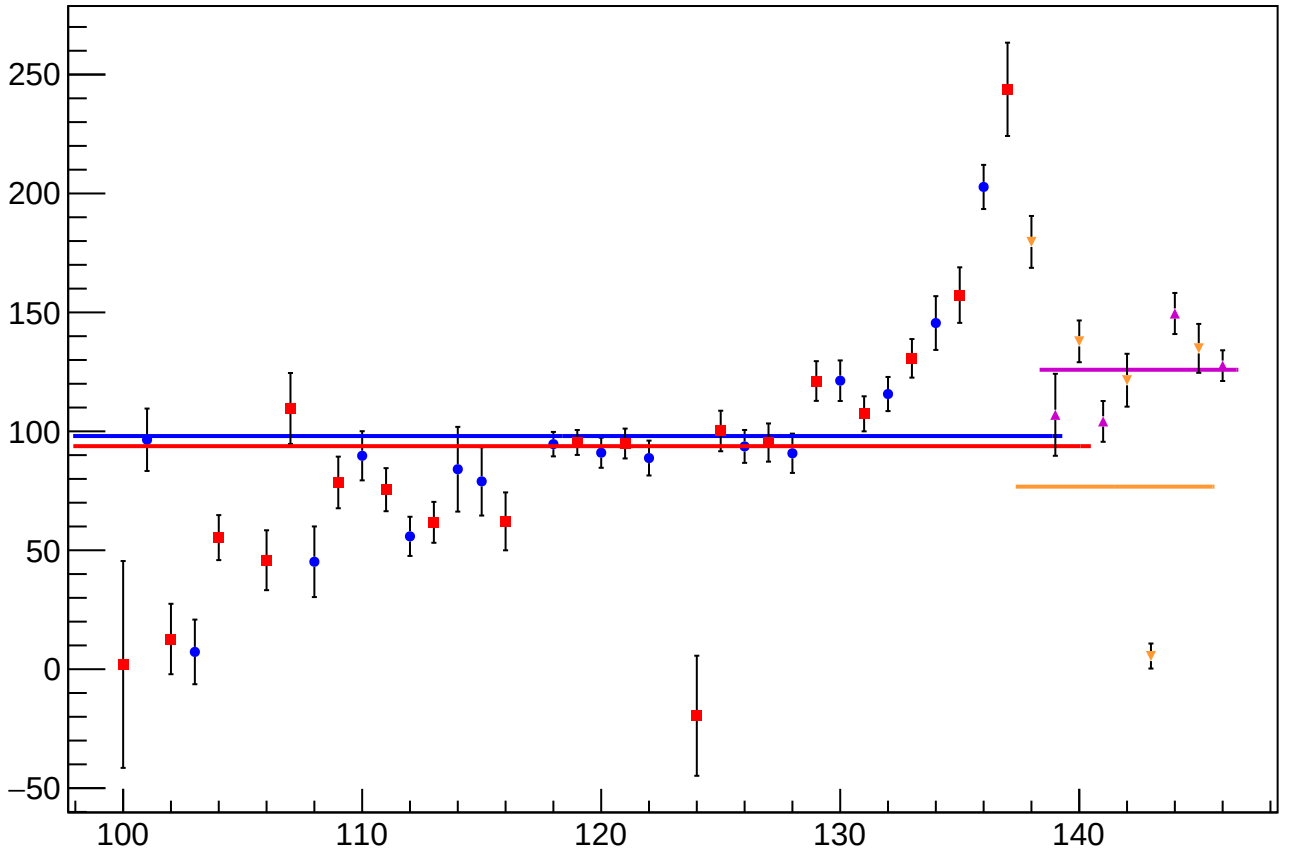
Left: 362.733+/-3.130 χ^2/NDF: 6134.0/8

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 397.266+/-1.932 χ^2/NDF:3174.2/19

Out: 344.535+/-1.831 χ^2/NDF:8571.9/23

All: 369.483+/-1.329 χ^2/NDF: 12138.6/43



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 76.751+/-3.650 χ^2/NDF:368.8/4

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 125.885+/-4.288 χ^2/NDF:15.2/3

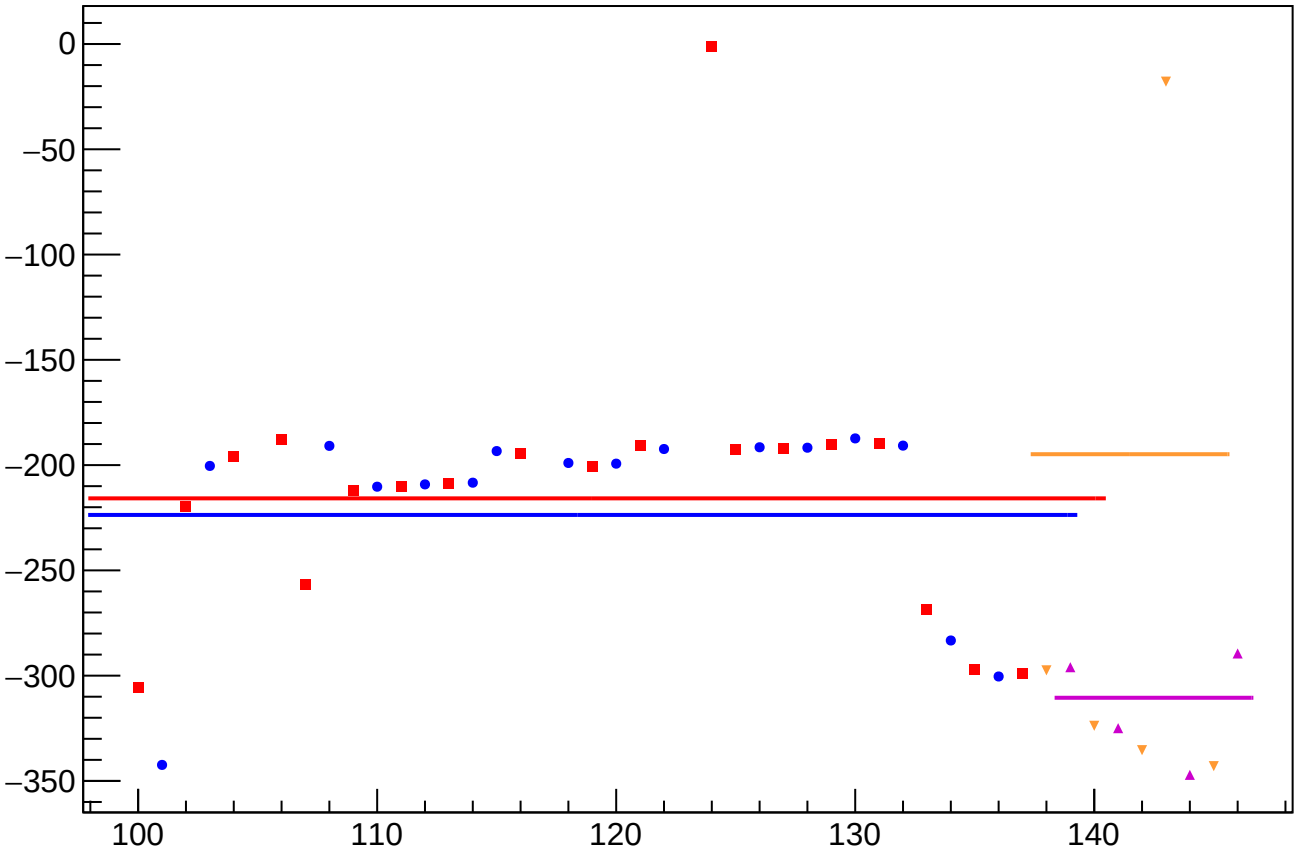
Left: 97.396+/-2.779 χ^2/NDF: 460.1/8

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 103.595+/-1.918 χ^2/NDF:298.5/19

Out: 89.422+/-1.845 χ^2/NDF:622.1/23

All: 96.235+/-1.330 χ^2/NDF: 948.9/43



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -194.822+/-0.169 χ^2/NDF:795870.2/4

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -310.504+/-0.200 χ^2/NDF:12241.3/3

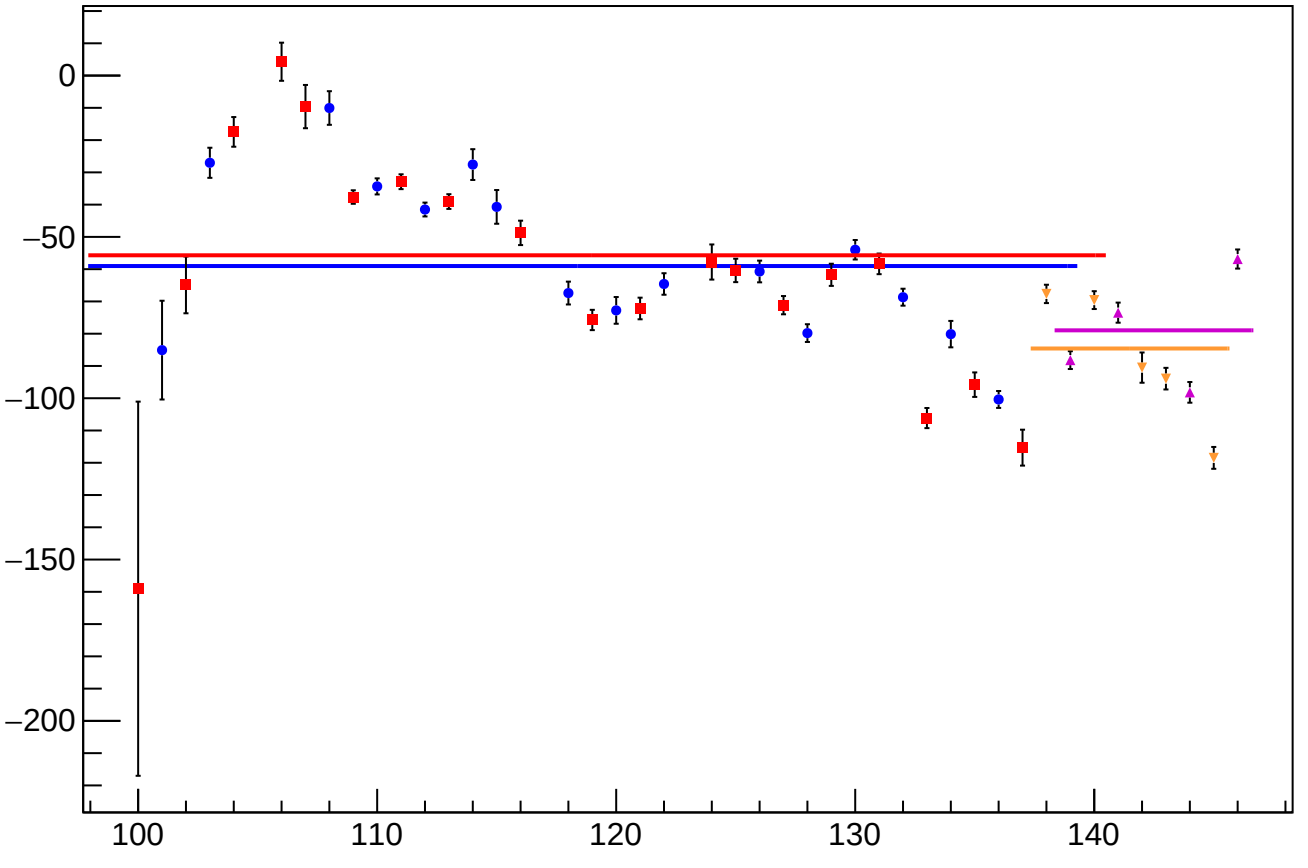
Left: -243.031+/-0.129 χ^2/NDF: 1002905.5/8

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -251.720+/-0.114 χ^2/NDF:261162.2/19

Out: -207.690+/-0.105 χ^2/NDF:886814.4/23

All: -227.982+/-0.077 χ^2/NDF: 1228718.2/43



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -84.587+/-1.449 χ^2/NDF:174.3/4

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -78.958+/-1.498 χ^2/NDF:105.8/3

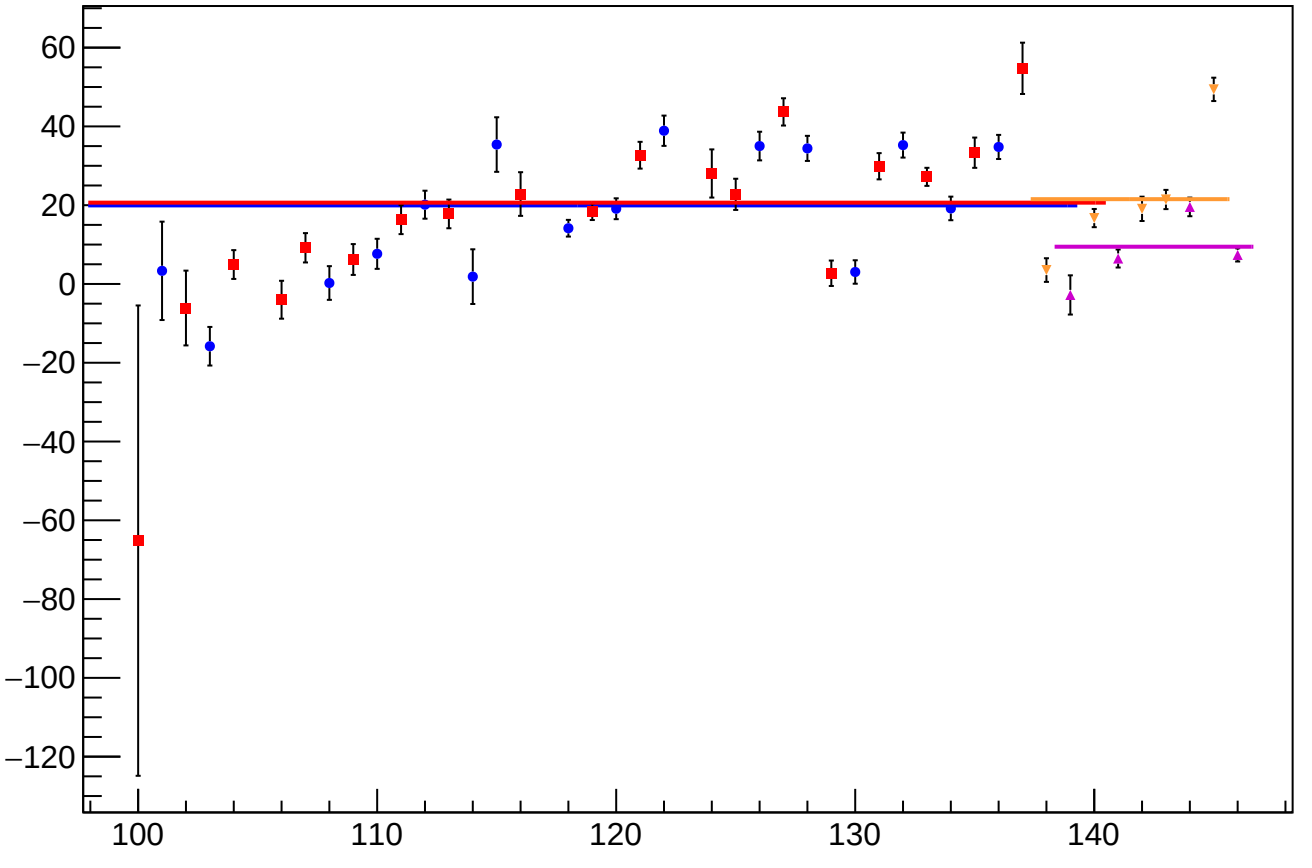
Left: -81.867+/-1.042 χ^2/NDF: 287.4/8

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -63.703+/-0.726 χ^2/NDF:968.5/19

Out: -62.320+/-0.694 χ^2/NDF:1521.9/23

All: -62.980+/-0.501 χ^2/NDF: 2492.3/43



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 21.529+/-1.208 χ^2/NDF:129.3/4

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.458+/-1.144 χ^2/NDF:27.5/3

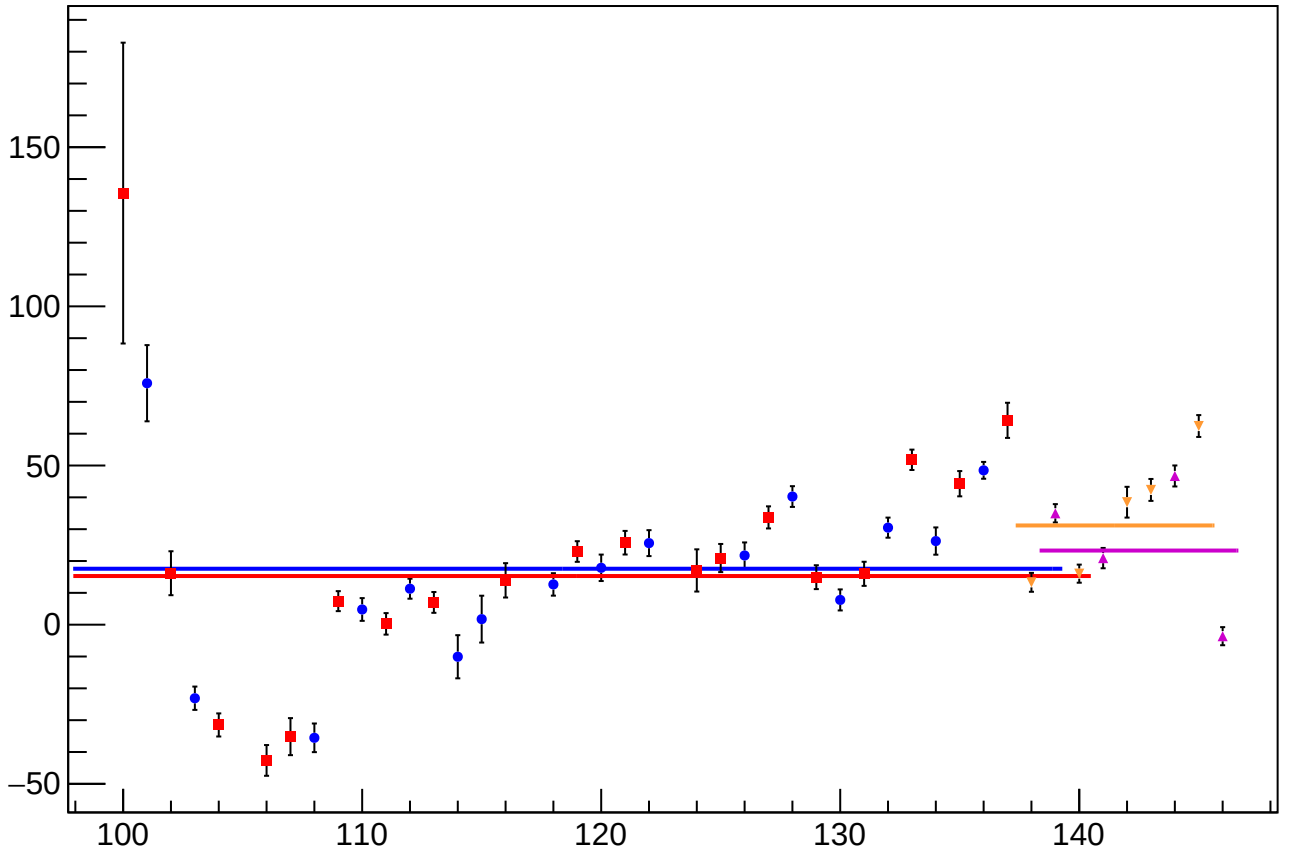
Left: 15.161+/-0.831 χ^2/NDF: 209.5/8

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 16.116+/-0.691 χ^2/NDF:328.1/19

Out: 20.933+/-0.692 χ^2/NDF:354.4/23

All: 18.522+/-0.489 χ^2/NDF: 706.8/43



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 31.170+/-1.492 χ^2/NDF:160.1/4

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 23.288+/-1.517 χ^2/NDF:157.1/3

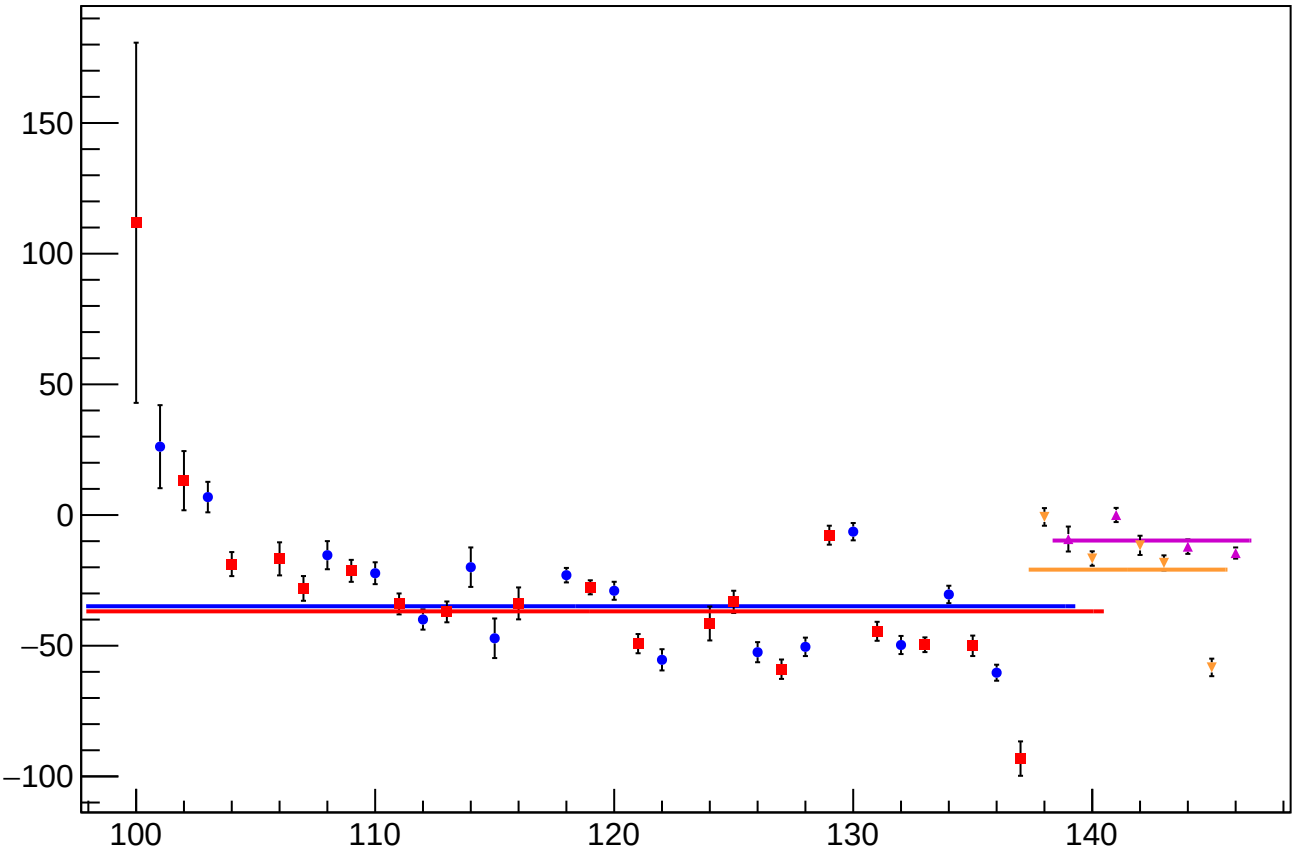
Left: 27.294+/-1.064 χ^2/NDF: 330.9/8

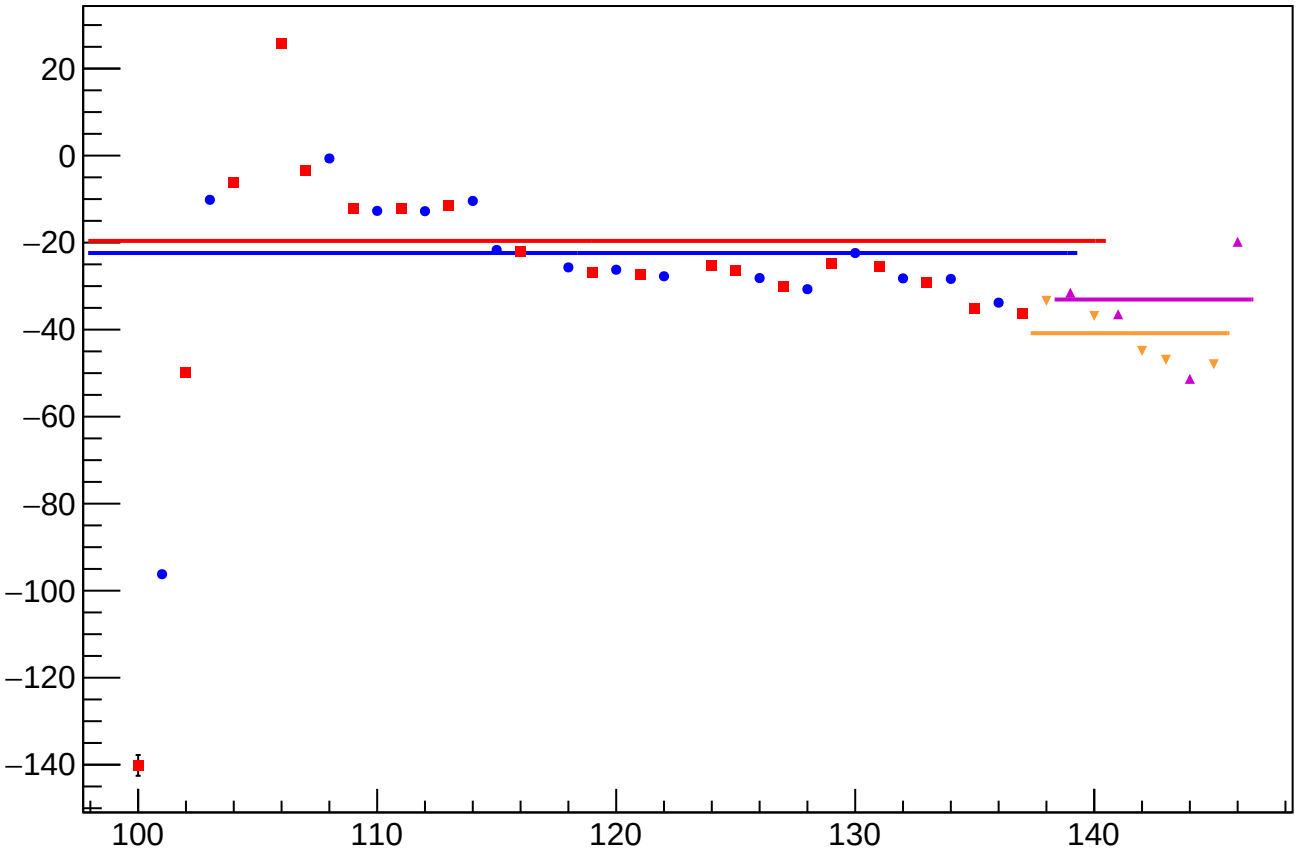
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 19.199+/-0.809 χ^2/NDF:713.5/19

Out: 19.754+/-0.792 χ^2/NDF:971.5/23

All: 19.483+/-0.566 χ^2/NDF: 1685.3/43


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -20.890+/-1.412 χ²/NDF:169.7/4
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -9.758+/-1.374 χ²/NDF:18.7/3
Left: -15.176+/-0.985 χ²/NDF: 220.3/8
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -26.307+/-0.803 χ²/NDF:585.6/19
Out: -31.737+/-0.799 χ²/NDF:558.0/23
All: -29.037+/-0.567 χ²/NDF: 1166.6/43



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -40.819+/-0.061 χ^2/NDF:10069.0/4

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -33.078+/-0.061 χ^2/NDF:27905.2/3

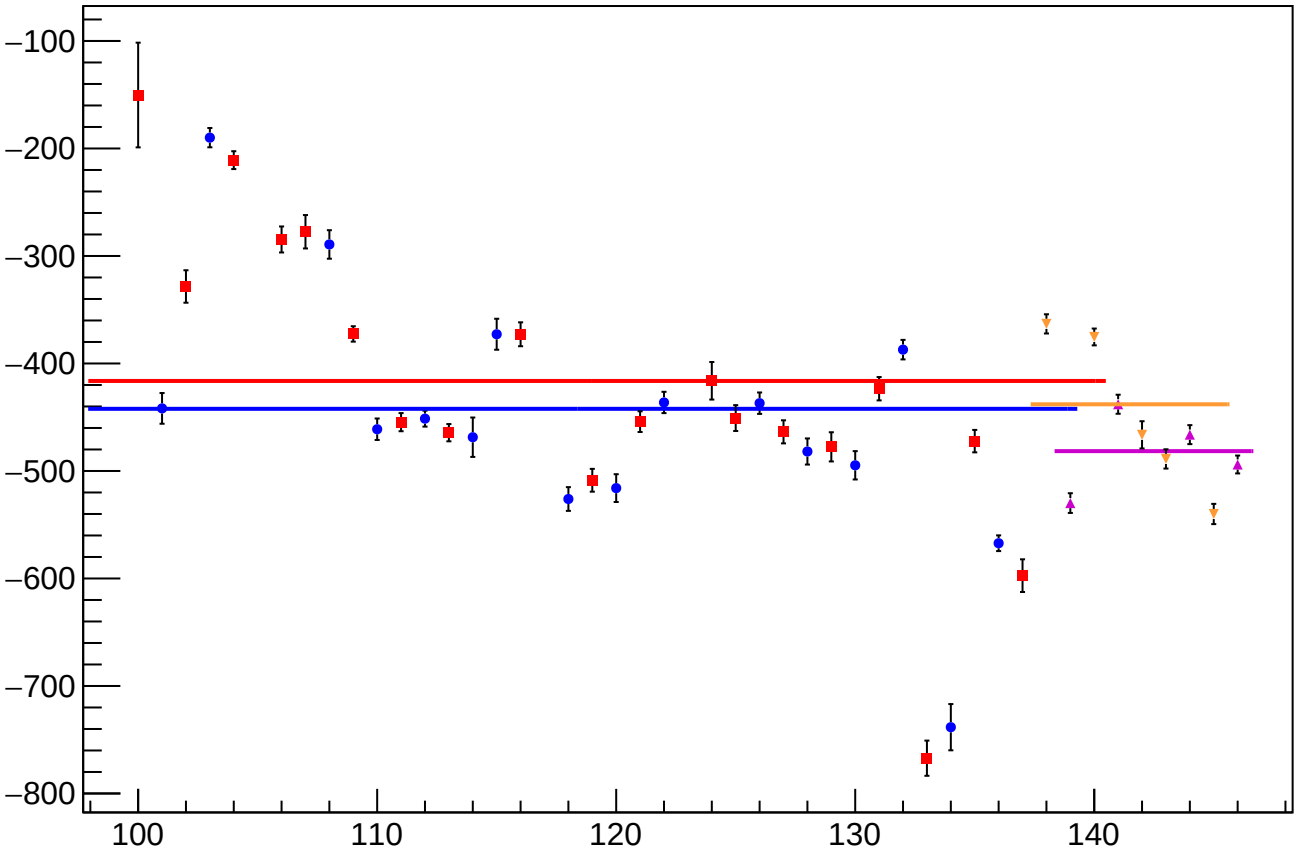
Left: -36.939+/-0.043 χ^2/NDF: 45940.9/8

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -27.471+/-0.042 χ^2/NDF:90390.2/19

Out: -29.869+/-0.043 χ^2/NDF:155545.8/23

All: -28.656+/-0.030 χ^2/NDF: 247530.8/43



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -437.971+/-4.122 χ^2/NDF:289.0/4

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -481.543+/-4.388 χ^2/NDF:57.3/3

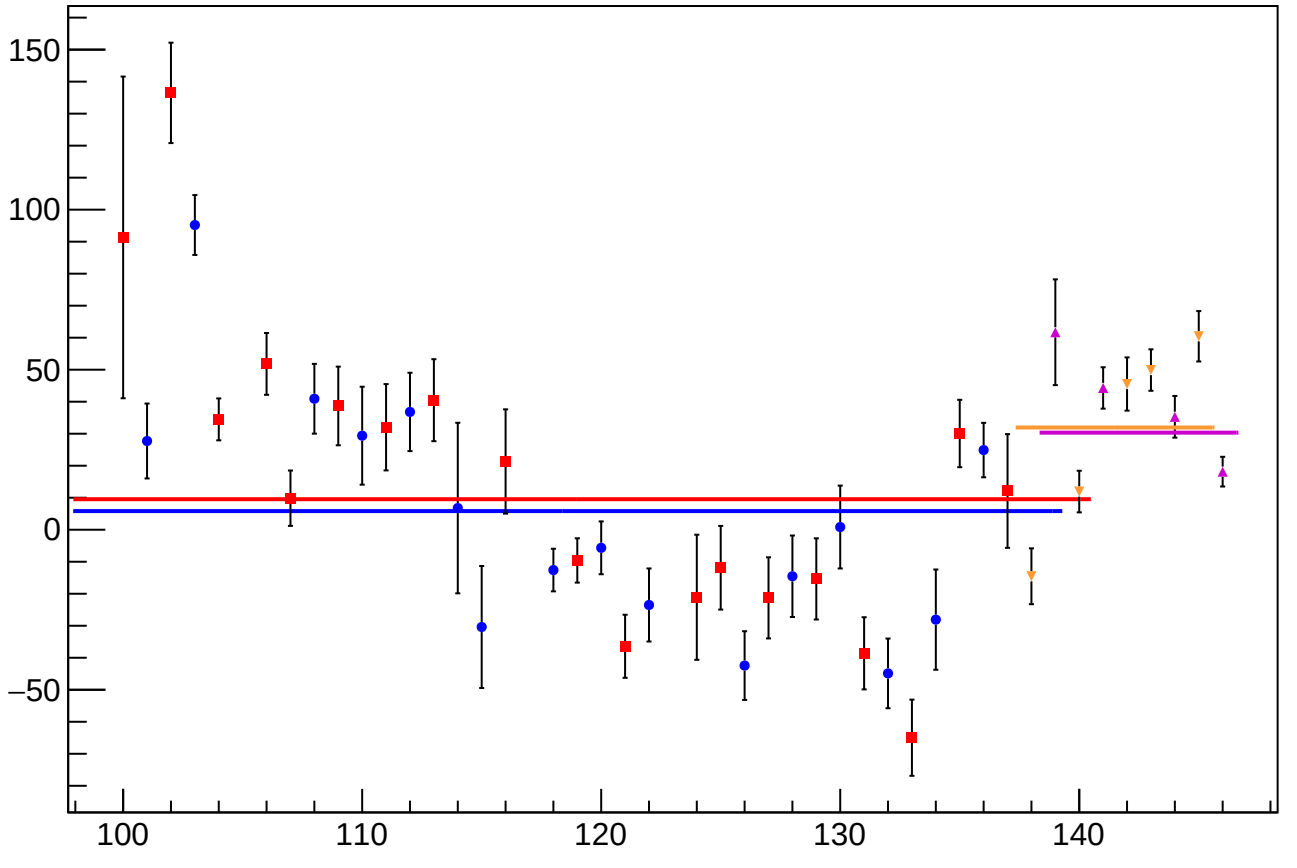
Left: -458.397+/-3.005 χ^2/NDF: 398.6/8

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -452.885+/-2.288 χ^2/NDF:1704.9/19

Out: -422.174+/-2.152 χ^2/NDF:2063.0/23

All: -436.586+/-1.567 χ^2/NDF: 3863.5/43



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 31.942+/-3.311 χ^2/NDF:61.3/4

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 30.331+/-3.201 χ^2/NDF:15.7/3

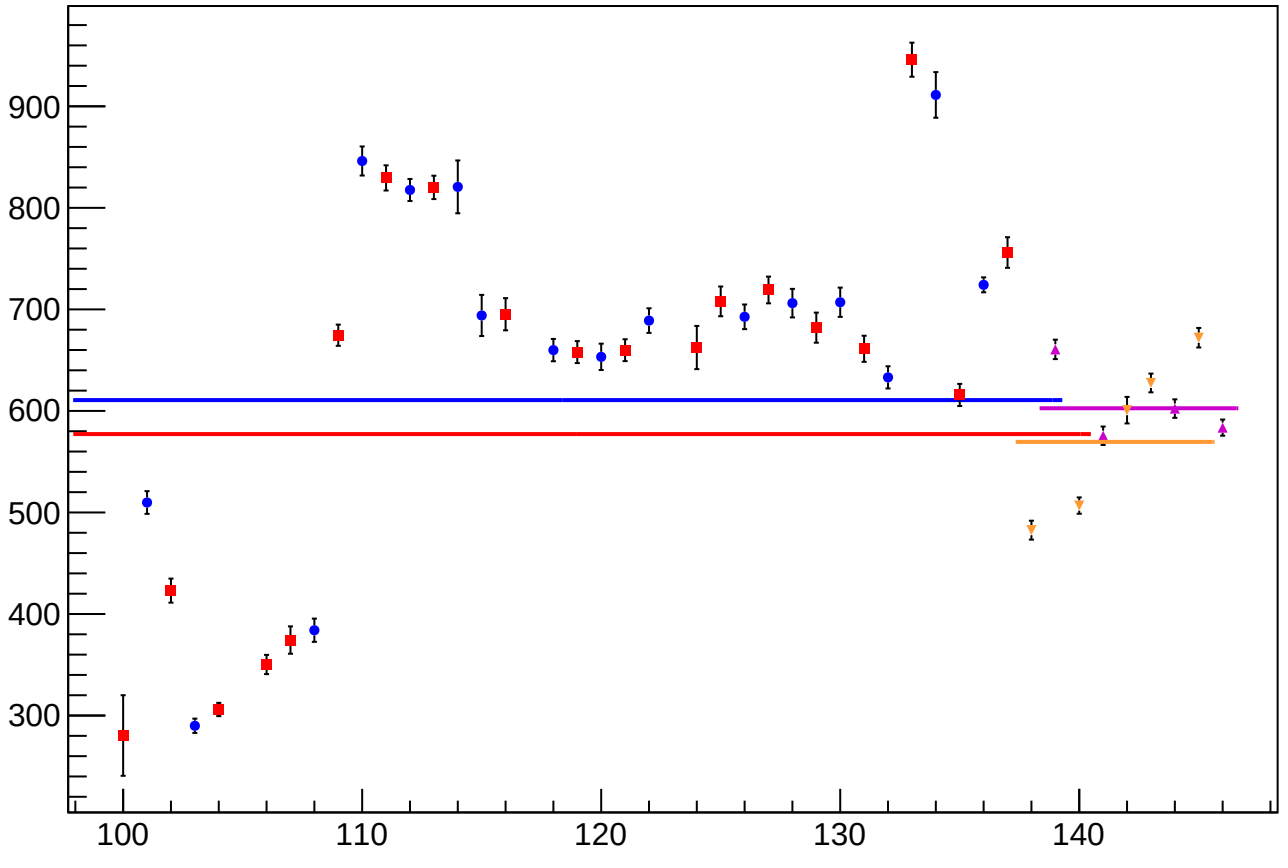
Left: 31.110+/-2.301 χ^2/NDF: 77.2/8

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 16.136+/-2.076 χ^2/NDF:237.8/19

Out: 17.905+/-2.023 χ^2/NDF:312.2/23

All: 17.043+/-1.449 χ^2/NDF: 550.4/43



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 569.515+/-4.249 χ^2/NDF:306.6/4

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 602.635+/-4.429 χ^2/NDF:51.4/3

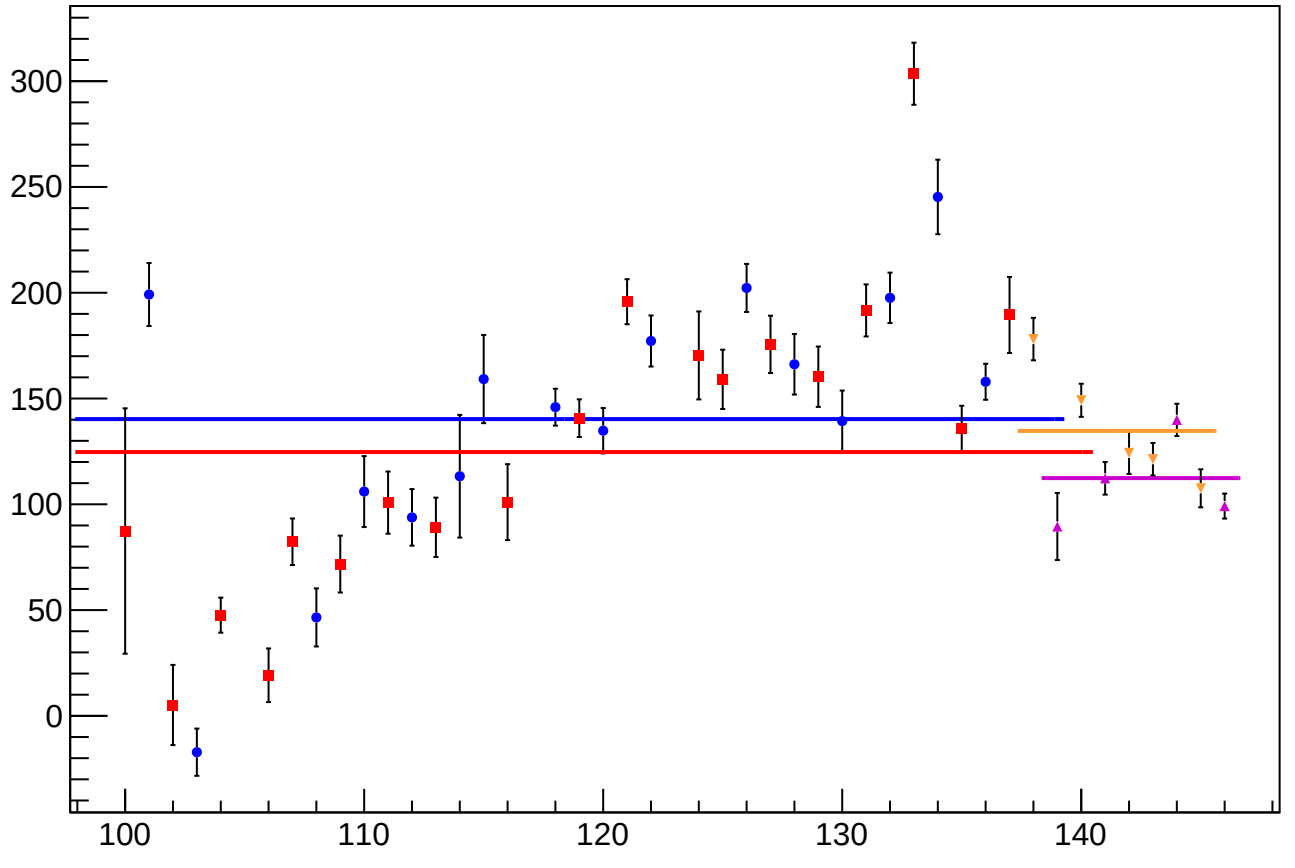
Left: 585.388+/-3.066 χ^2/NDF: 387.2/8

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 608.265+/-2.422 χ^2/NDF:3946.3/19

Out: 574.929+/-2.312 χ^2/NDF:5109.2/23

All: 590.822+/-1.672 χ^2/NDF: 9154.7/43



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 134.691+/-3.898 χ^2/NDF:35.4/4

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 112.386+/-3.875 χ^2/NDF:20.1/3

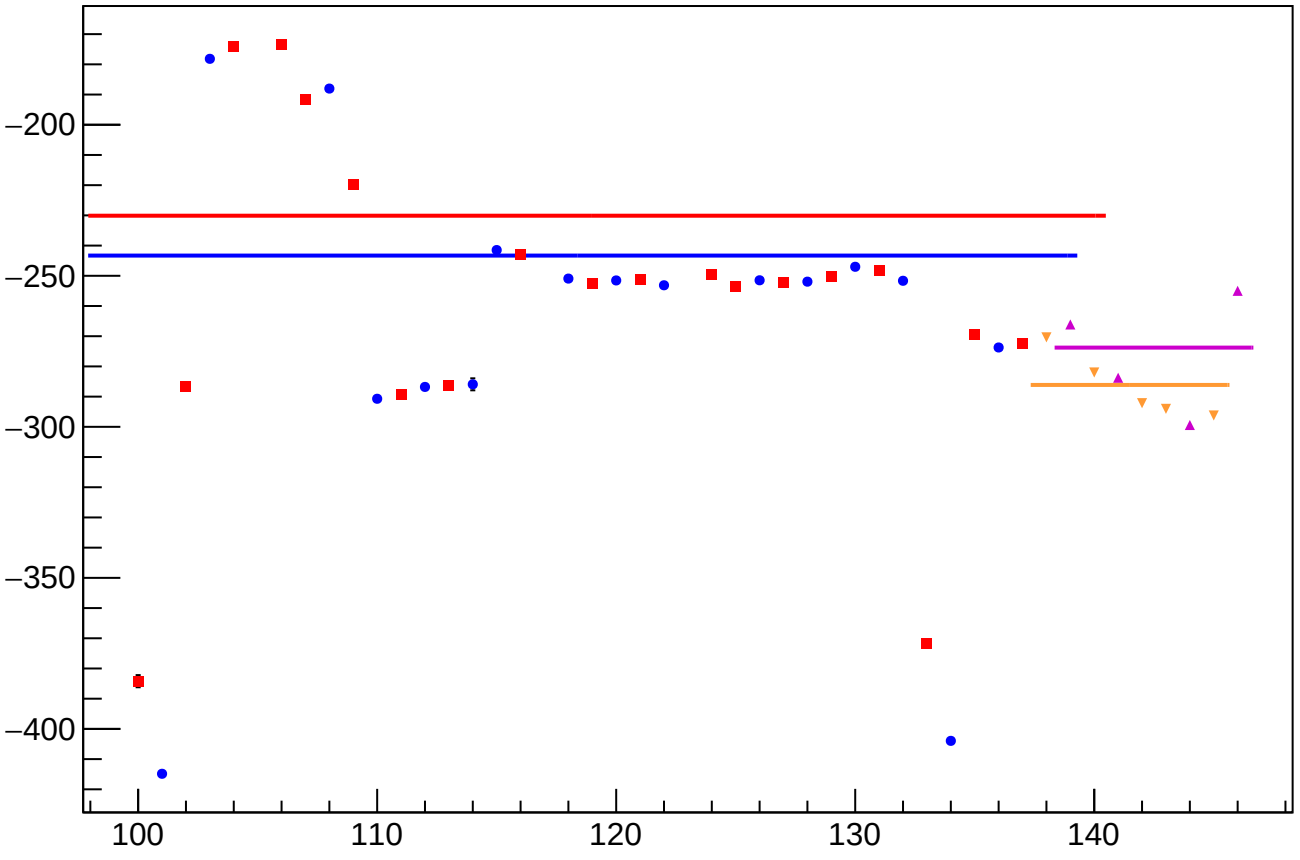
Left: 123.472+/-2.748 χ^2/NDF: 71.9/8

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 129.175+/-2.445 χ^2/NDF:436.6/19

Out: 128.381+/-2.367 χ^2/NDF:548.1/23

All: 128.765+/-1.700 χ^2/NDF: 984.8/43



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -286.132+/-0.177 χ^2/NDF:3144.5/4

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -273.775+/-0.181 χ^2/NDF:8206.8/3

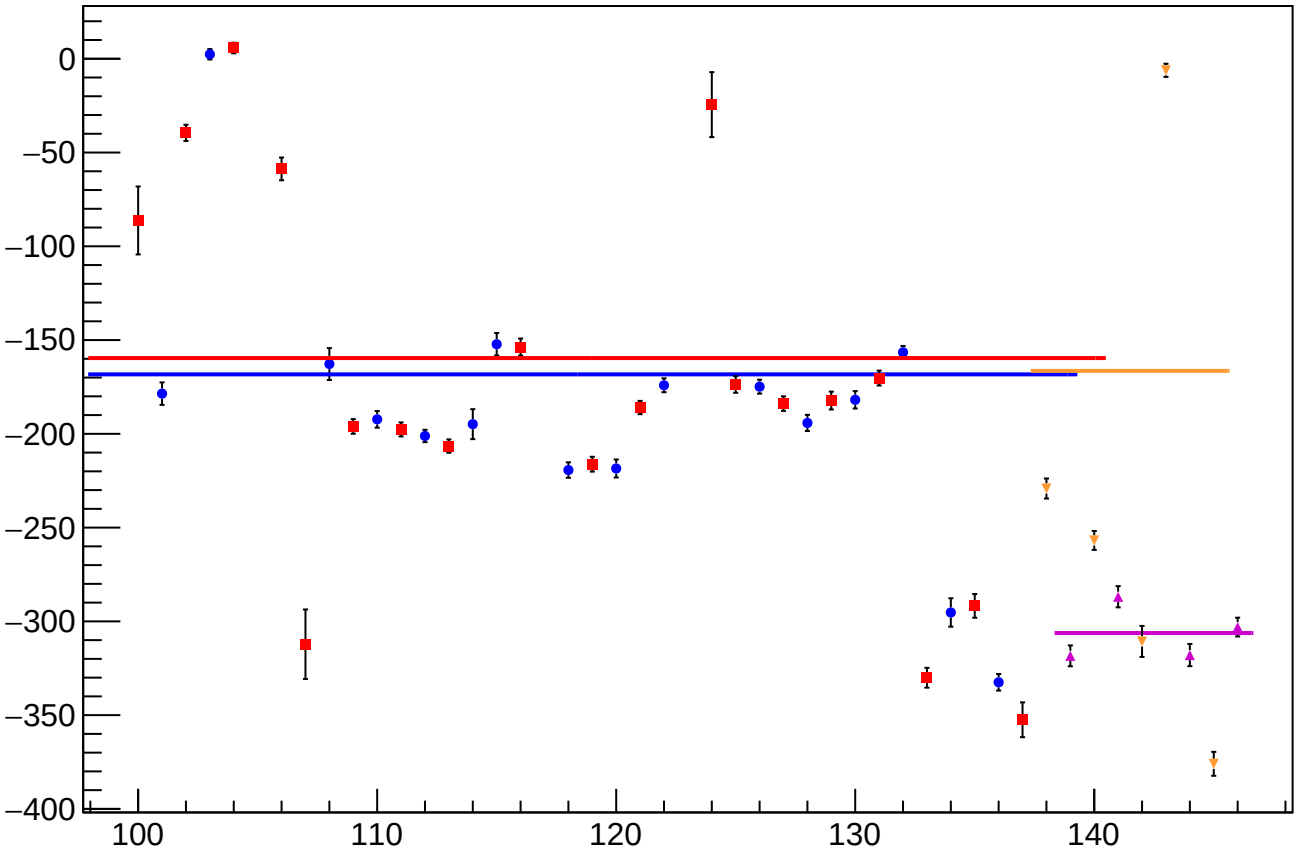
Left: -280.110+/-0.127 χ^2/NDF: 13728.9/8

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -256.868+/-0.121 χ^2/NDF:197337.8/19

Out: -254.857+/-0.118 χ^2/NDF:161579.4/23

All: -255.833+/-0.084 χ^2/NDF: 359059.3/43



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -166.433+/-2.266 χ^2/NDF:3927.3/4

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -306.207+/-2.752 χ^2/NDF:20.8/3

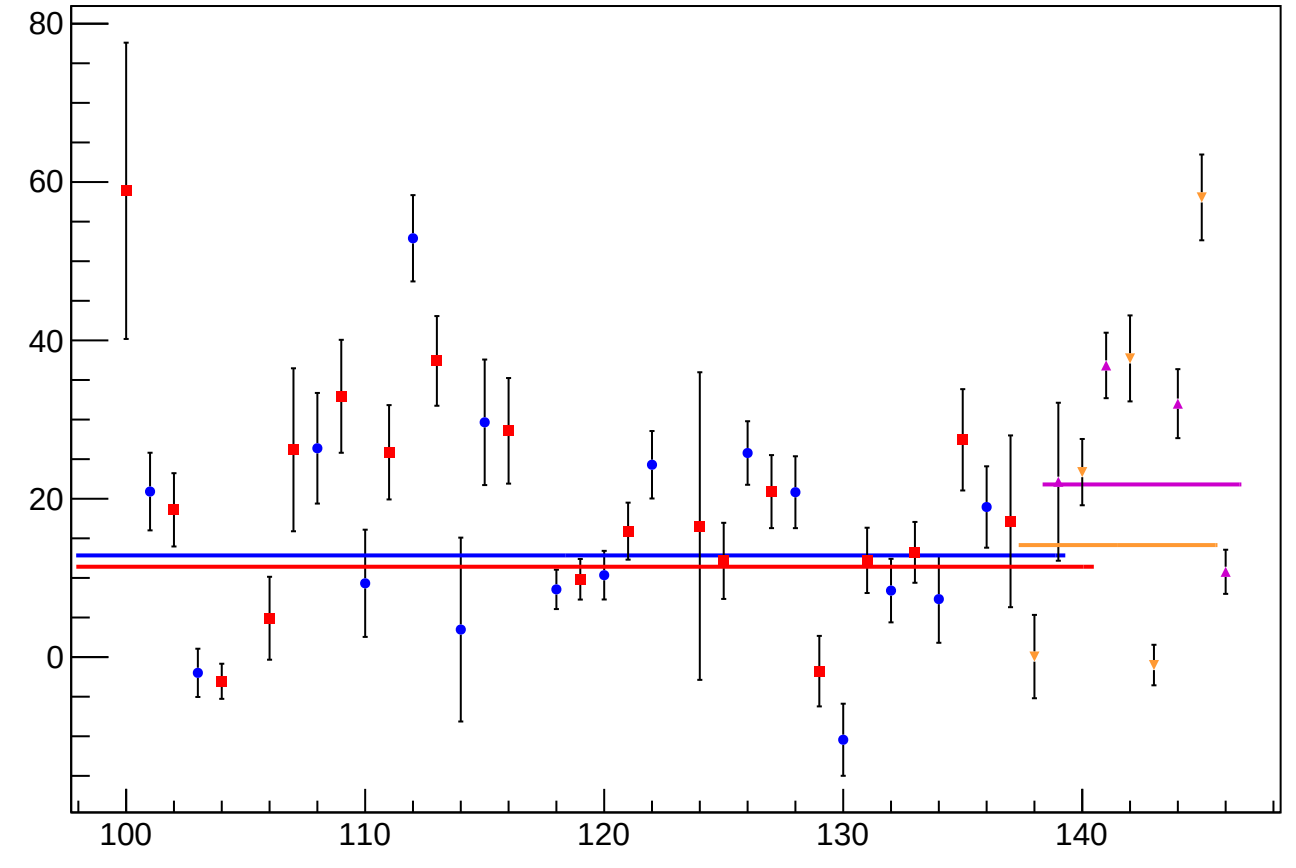
Left: -222.908+/-1.749 χ^2/NDF: 5485.7/8

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -186.574+/-1.002 χ^2/NDF:8107.3/19

Out: -160.795+/-0.947 χ^2/NDF:11132.6/23

All: -172.958+/-0.688 χ^2/NDF: 19589.6/43



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 14.148+/-1.785 χ^2/NDF:131.6/4

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 21.806+/-2.000 χ^2/NDF:34.4/3

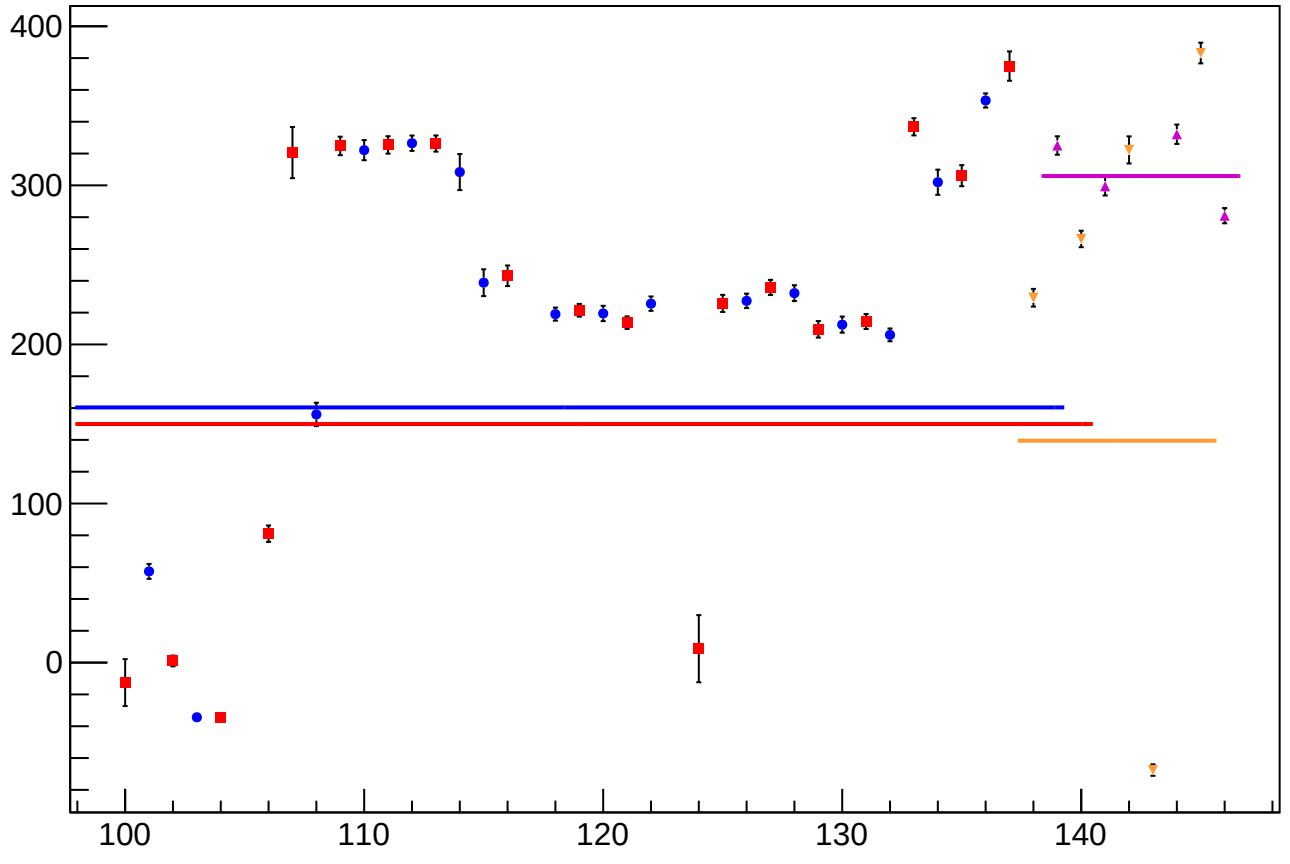
Left: 17.543+/-1.332 χ^2/NDF: 174.2/8

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 14.855+/-0.948 χ^2/NDF:193.7/19

Out: 12.102+/-0.896 χ^2/NDF:252.9/23

All: 13.401+/-0.651 χ^2/NDF: 451.0/43



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 139.481+/-2.334 χ^2/NDF:6010.4/4

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 305.870+/-2.773 χ^2/NDF:57.9/3

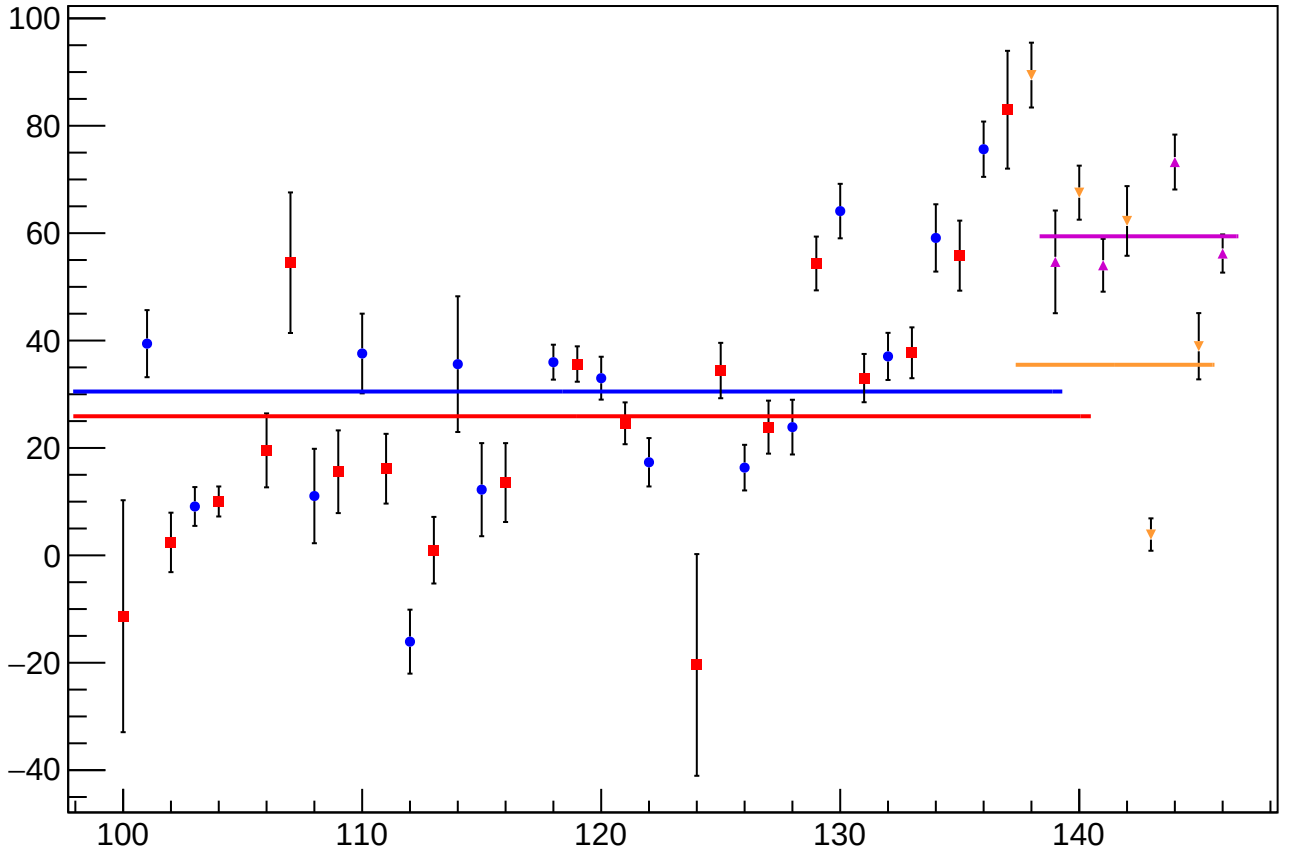
Left: 208.476+/-1.786 χ^2/NDF: 8175.5/8

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 181.403+/-1.054 χ^2/NDF:16361.9/19

Out: 148.048+/-1.000 χ^2/NDF:22292.1/23

All: 163.856+/-0.725 χ^2/NDF: 39181.3/43



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 35.489+/-2.100 χ^2/NDF:247.6/4

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 59.416+/-2.428 χ^2/NDF:9.6/3

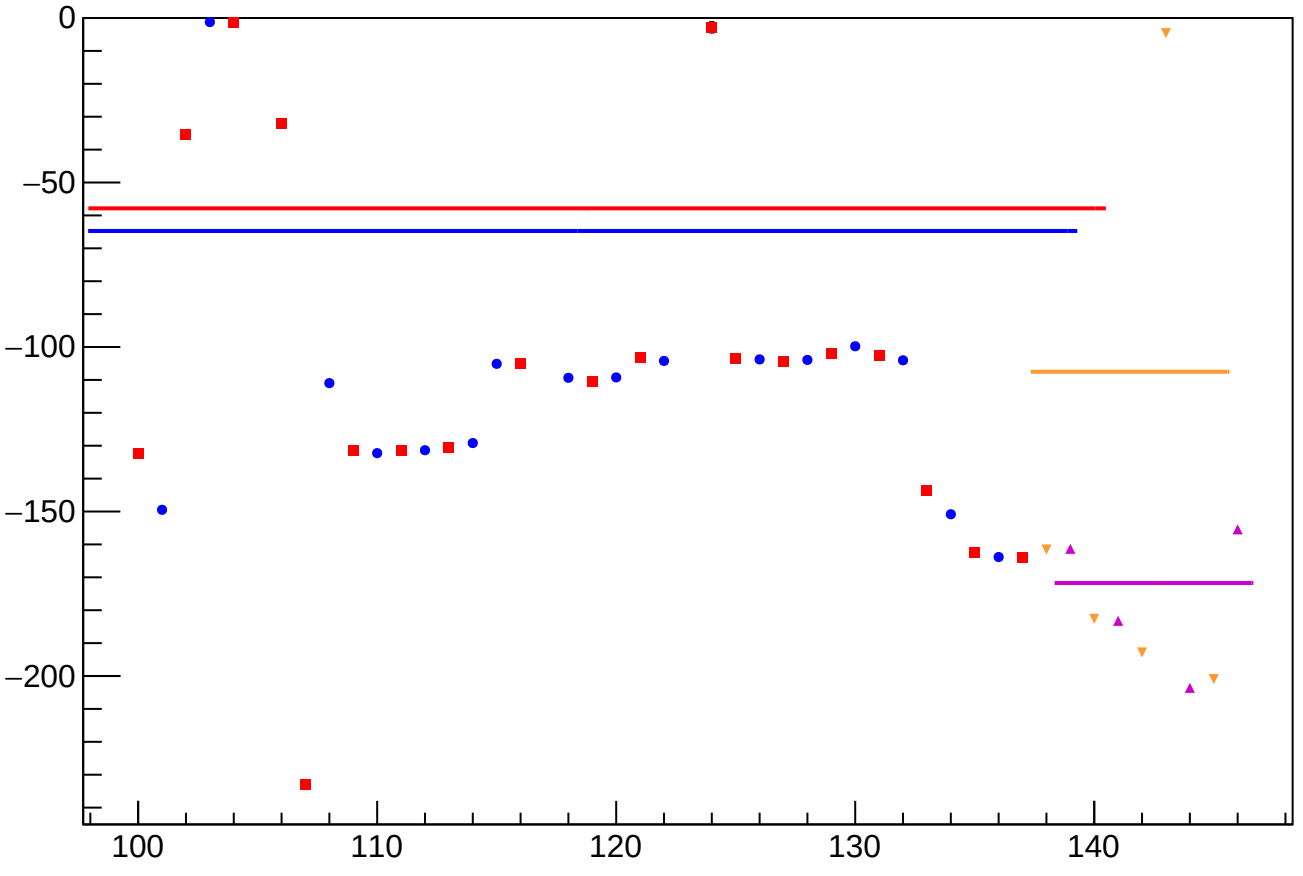
Left: 45.725+/-1.588 χ^2/NDF: 312.7/8

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 36.600+/-1.115 χ^2/NDF:398.4/19

Out: 28.302+/-1.050 χ^2/NDF:451.0/23

All: 32.205+/-0.764 χ^2/NDF: 878.7/43



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -107.511+/-0.097 χ^2/NDF:826363.9/4

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -171.728+/-0.113 χ^2/NDF:24762.7/3

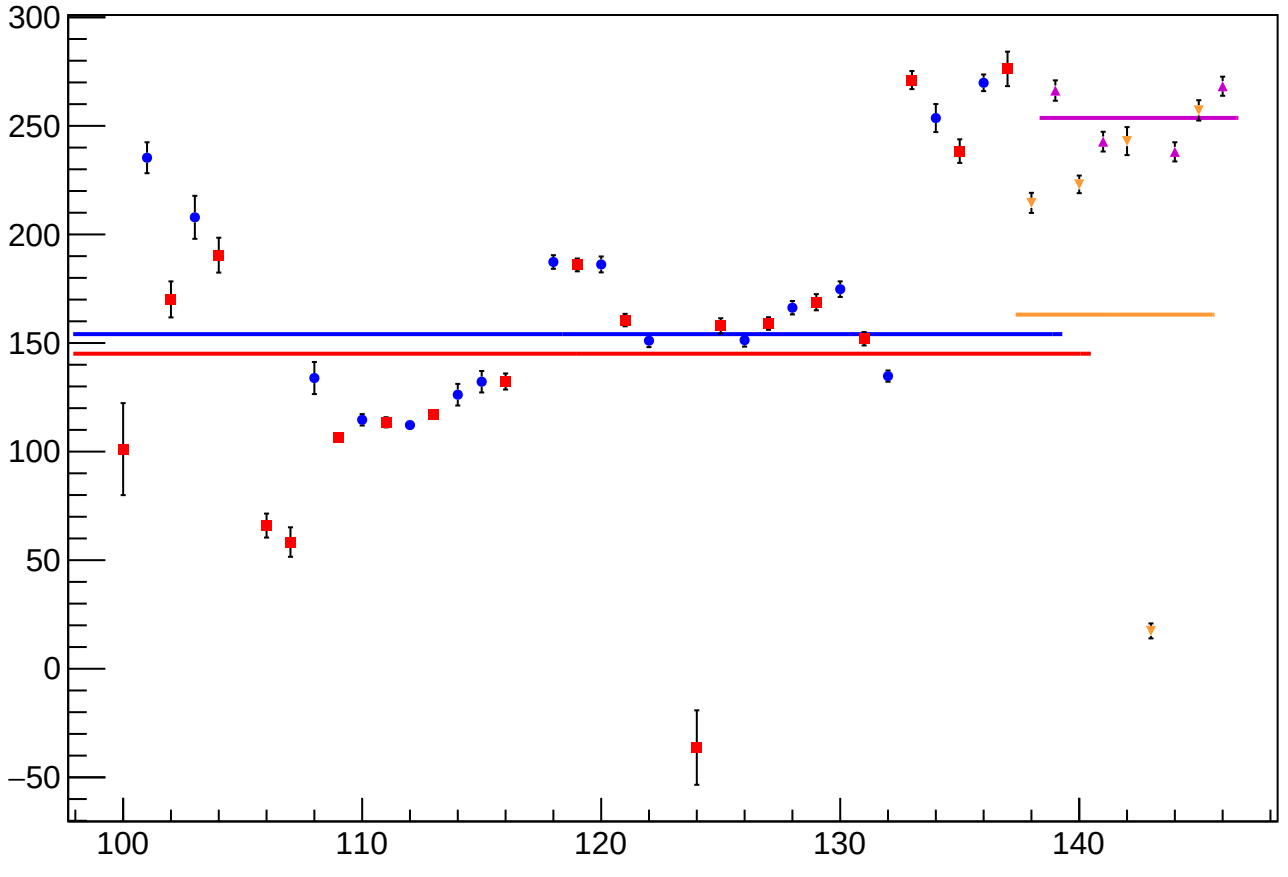
Left: -134.707+/-0.074 χ^2/NDF: 1036953.4/8

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -90.548+/-0.056 χ^2/NDF:1748175.2/19

Out: -72.318+/-0.052 χ^2/NDF:1888097.7/23

All: -80.886+/-0.038 χ^2/NDF: 3693326.8/43



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 163.082+/-1.955 χ^2/NDF:2688.2/4

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 253.655+/-2.256 χ^2/NDF:36.5/3

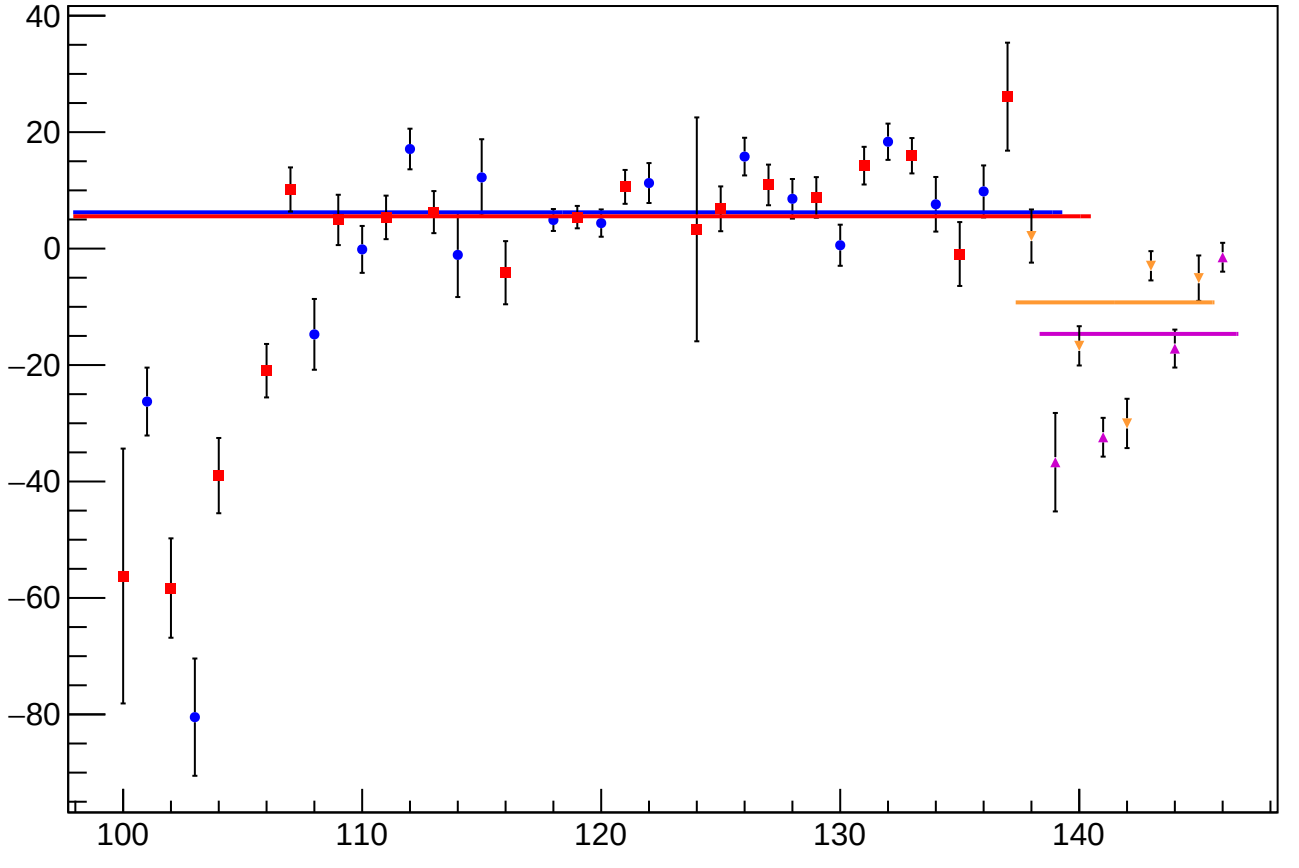
Left: 201.941+/-1.478 χ^2/NDF: 3645.2/8

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 166.965+/-0.811 χ^2/NDF:4013.9/19

Out: 147.809+/-0.761 χ^2/NDF:5718.4/23

All: 156.777+/-0.555 χ^2/NDF: 10029.0/43



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -9.237+/-1.551 χ^2/NDF:42.6/4

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: -14.651+/-1.664 χ^2/NDF:64.0/3

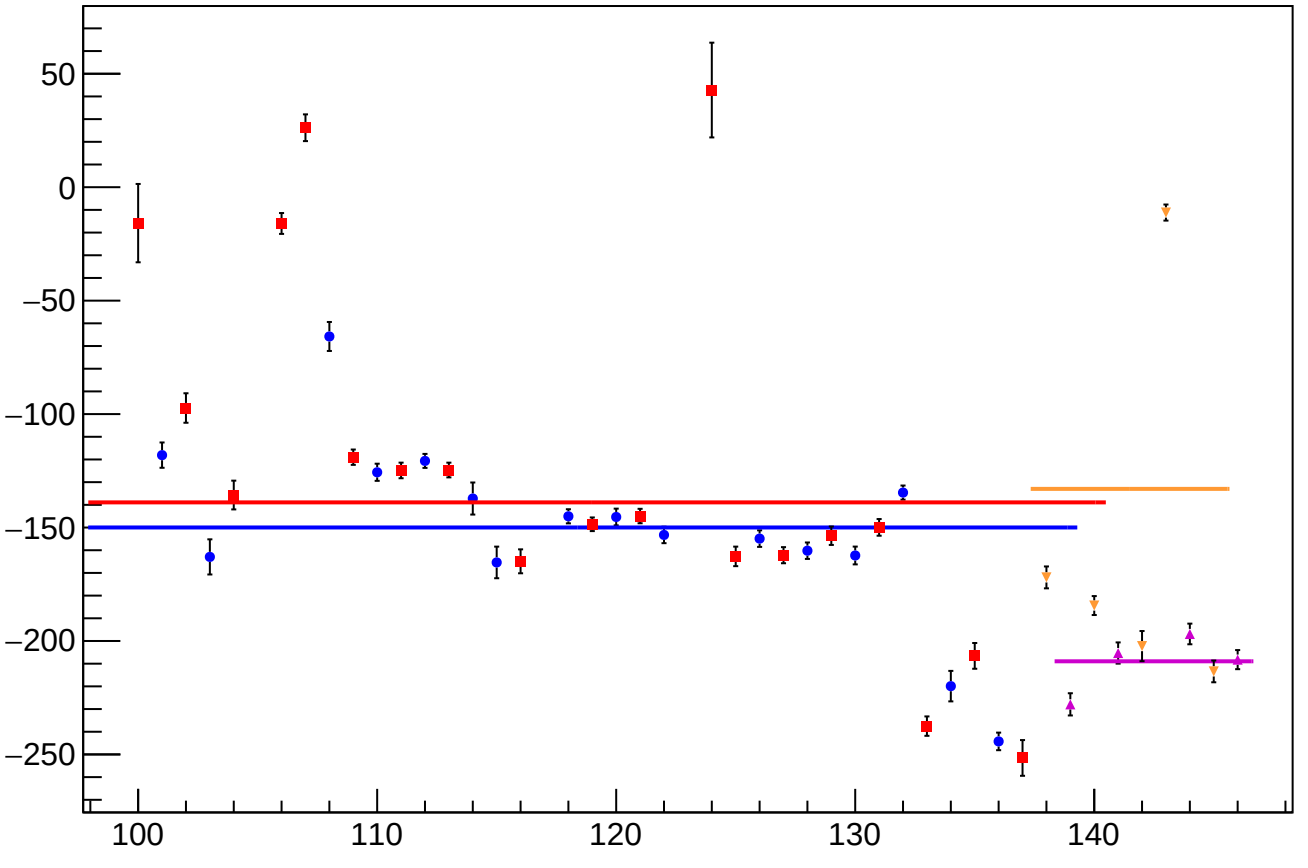
Left: -11.754+/-1.135 χ^2/NDF: 112.3/8

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 1.583+/-0.785 χ^2/NDF:348.5/19

Out: 1.889+/-0.772 χ^2/NDF:292.1/23

All: 1.739+/-0.550 χ^2/NDF: 640.8/43



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -132.961+/-2.015 χ^2/NDF:1788.8/4

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -208.955+/-2.280 χ^2/NDF:22.7/3

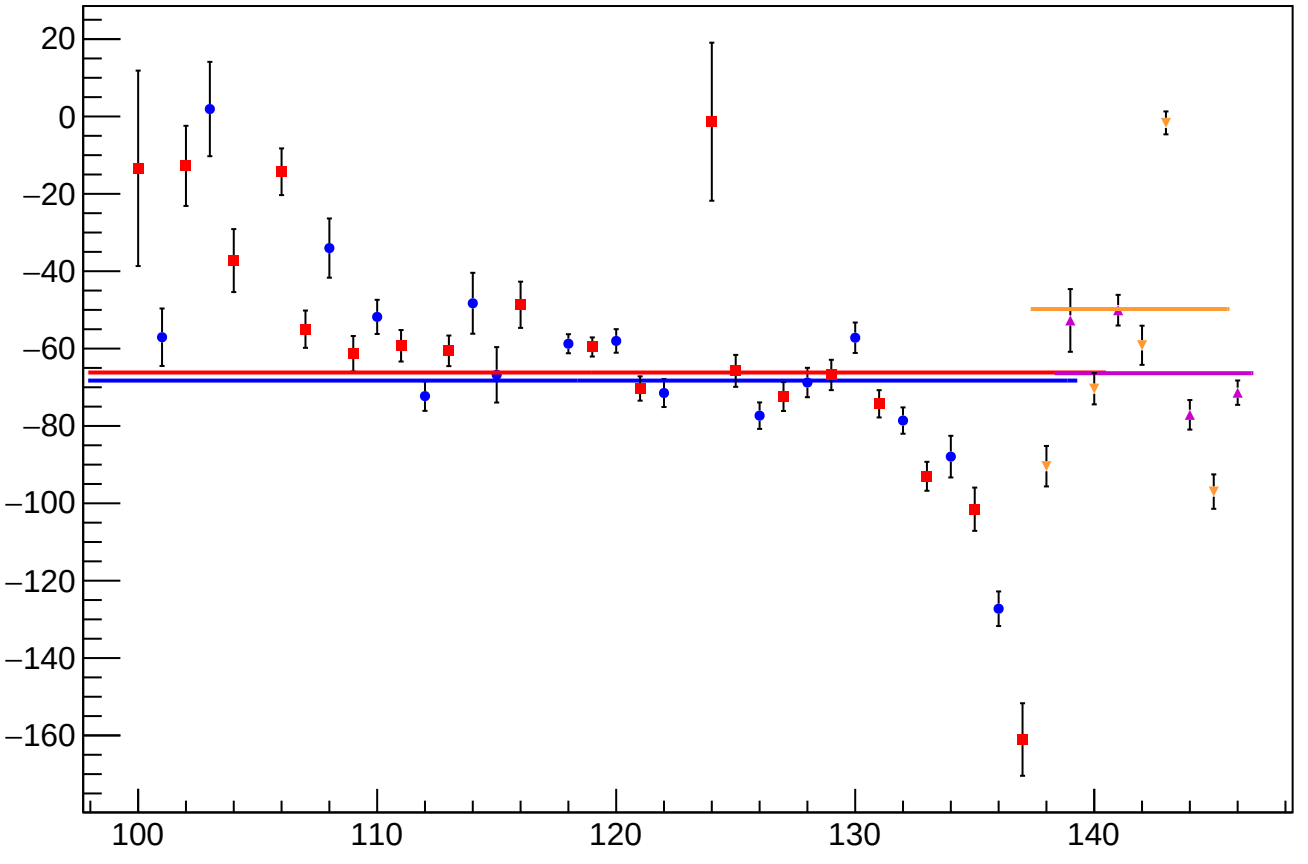
Left: -166.290+/-1.510 χ^2/NDF: 2435.0/8

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -159.895+/-0.935 χ^2/NDF:1678.7/19

Out: -137.749+/-0.891 χ^2/NDF:4546.7/23

All: -148.285+/-0.645 χ^2/NDF: 6519.2/43



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -49.781+/-1.823 χ^2/NDF:465.9/4

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -66.361+/-2.007 χ^2/NDF:30.2/3

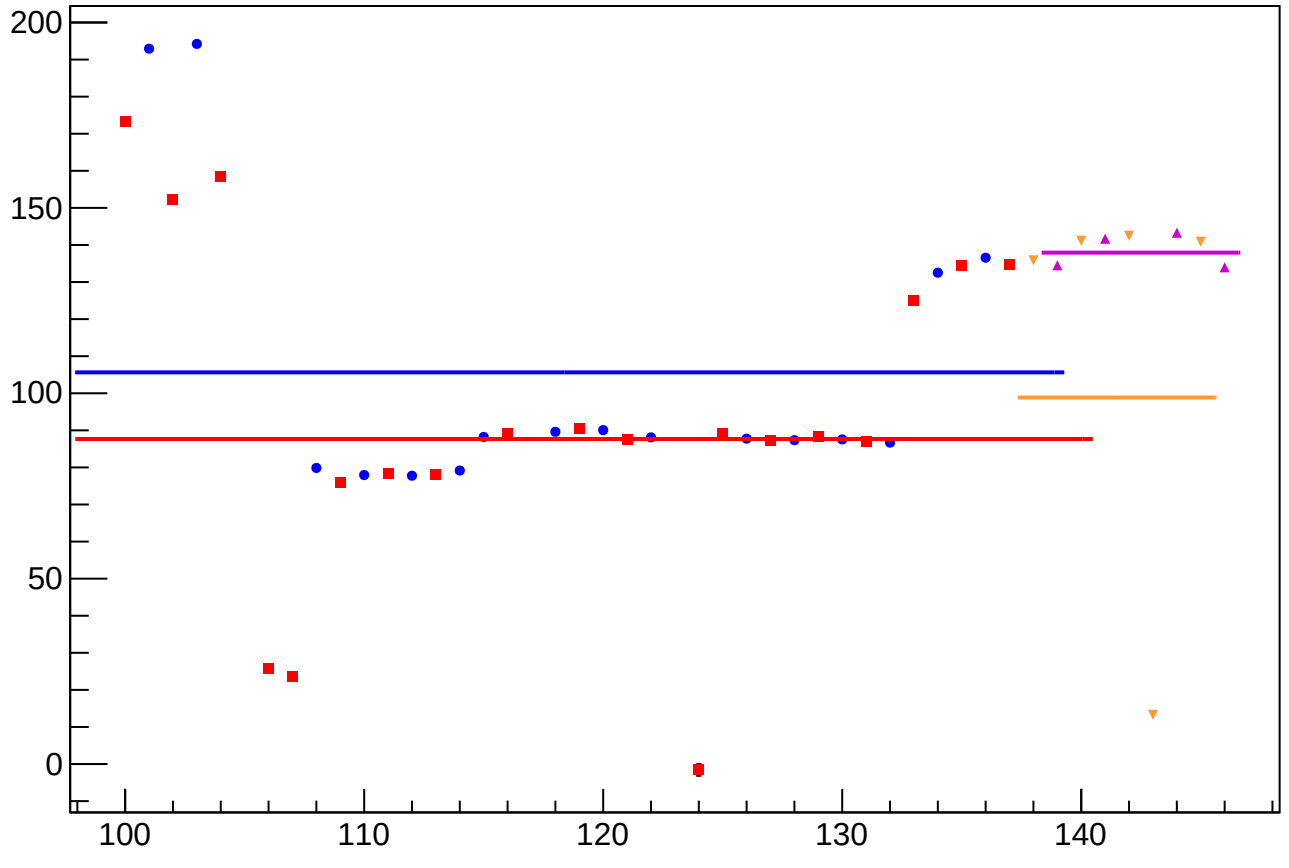
Left: -57.274+/-1.349 χ^2/NDF: 533.5/8

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -67.871+/-0.919 χ^2/NDF:346.3/19

Out: -62.251+/-0.893 χ^2/NDF:885.8/23

All: -64.981+/-0.640 χ^2/NDF: 1251.4/43



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 98.851+/-0.084 χ^2/NDF:501156.0/4

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 137.928+/-0.093 χ^2/NDF:1941.3/3

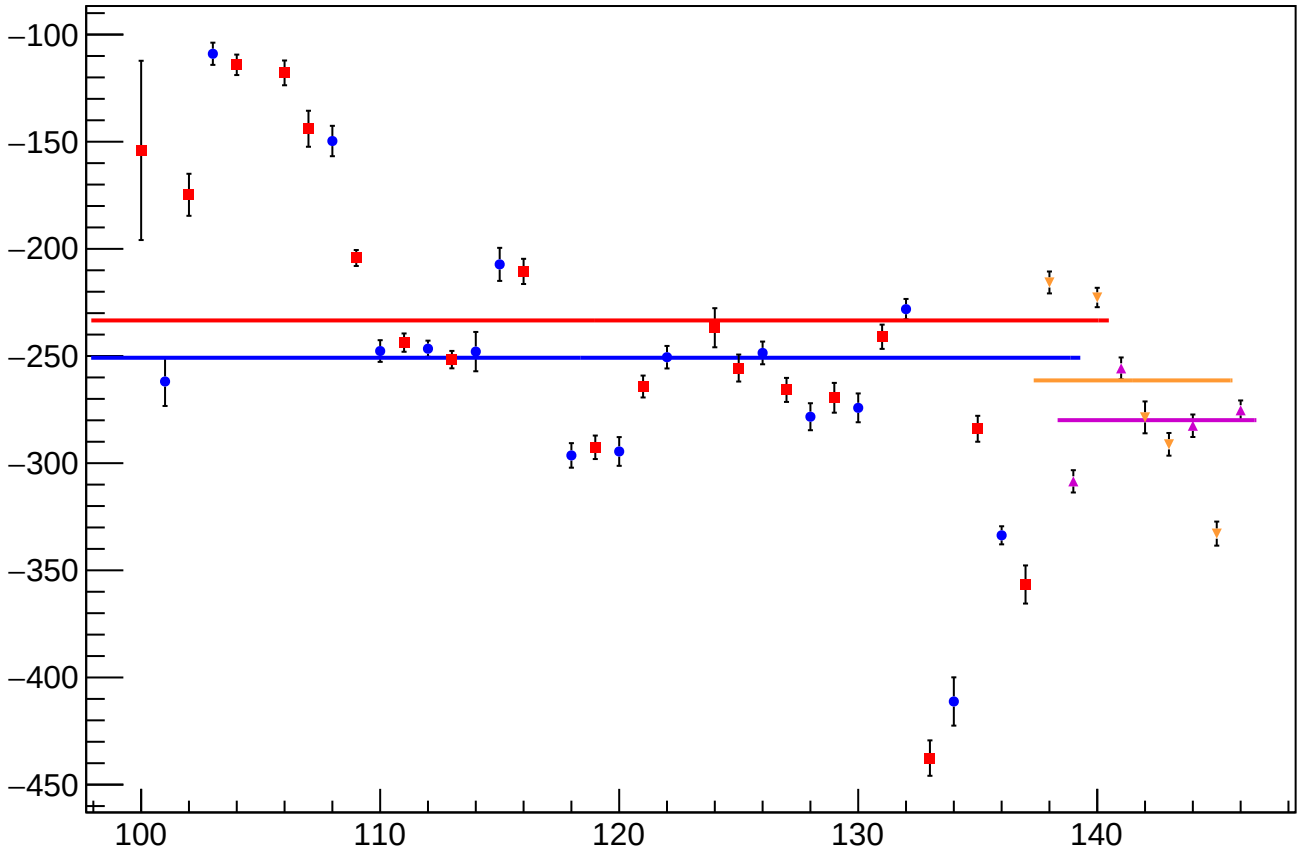
Left: 116.243+/-0.062 χ^2/NDF: 600210.8/8

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 117.427+/-0.056 χ^2/NDF:317413.7/19

Out: 91.931+/-0.052 χ^2/NDF:886668.0/23

All: 103.548+/-0.038 χ^2/NDF: 1315168.4/43



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -261.379+/-2.406 χ^2/NDF:352.5/4

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -279.929+/-2.506 χ^2/NDF:53.8/3

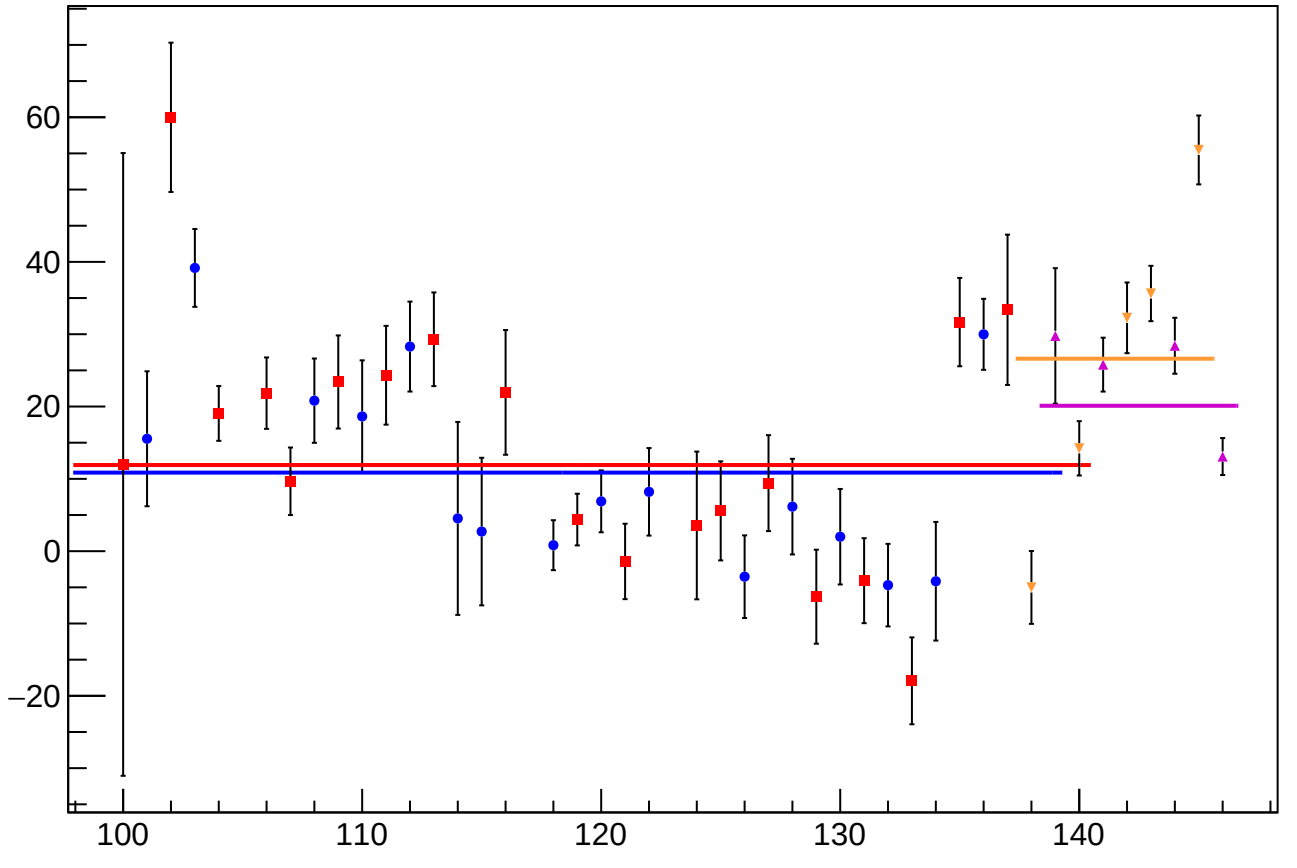
Left: -270.276+/-1.736 χ^2/NDF: 434.8/8

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -258.025+/-1.247 χ^2/NDF:1891.0/19

Out: -239.969+/-1.166 χ^2/NDF:2834.5/23

All: -248.391+/-0.852 χ^2/NDF: 4837.3/43



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 26.615+/-1.944 χ^2/NDF:94.0/4

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 20.106+/-1.815 χ^2/NDF:15.5/3

Left: 23.138+/-1.327 χ^2/NDF: 115.5/8

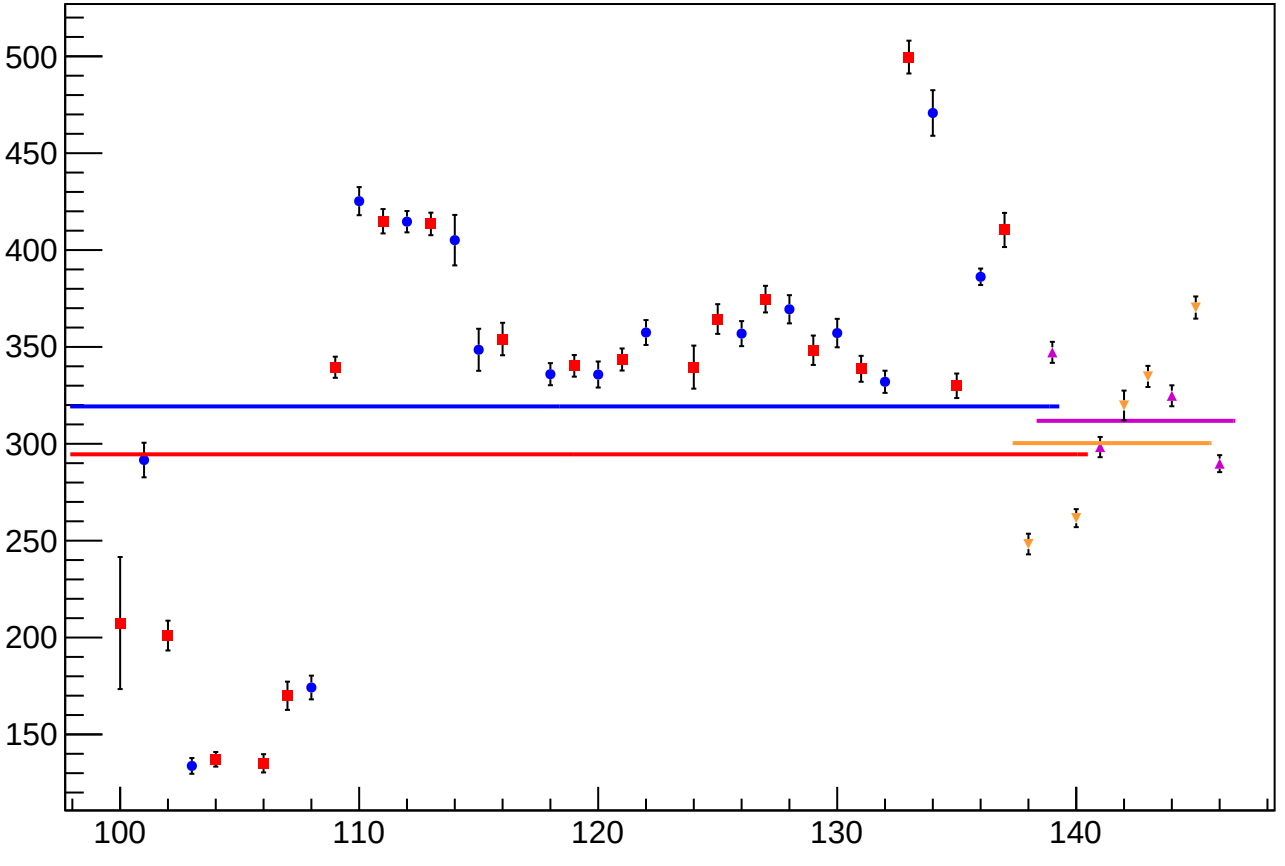
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 14.526+/-1.143 χ^2/NDF:115.9/19

Out: 16.779+/-1.119 χ^2/NDF:244.2/23

All: 15.676+/-0.799 χ^2/NDF: 362.0/43

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 300.357+/-2.479 χ^2/NDF:360.6/4

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 311.855+/-2.526 χ^2/NDF:80.3/3

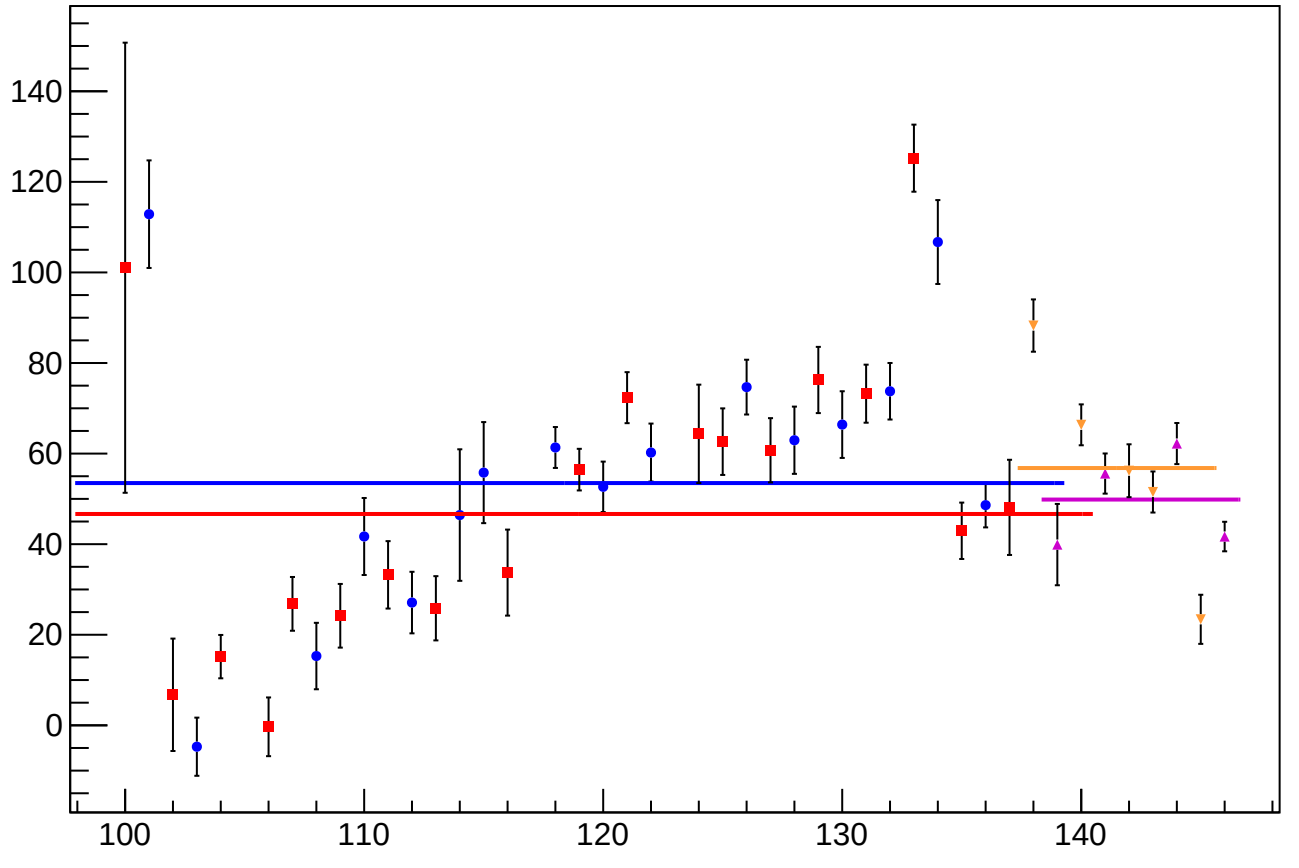
Left: 305.998+/-1.769 χ^2/NDF: 451.4/8

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 317.190+/-1.343 χ^2/NDF:3879.4/19

Out: 296.091+/-1.272 χ^2/NDF:5867.8/23

All: 306.063+/-0.923 χ^2/NDF: 9877.4/43



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 56.810+/-2.288 χ^2/NDF:73.5/4

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 49.851+/-2.203 χ^2/NDF:16.6/3

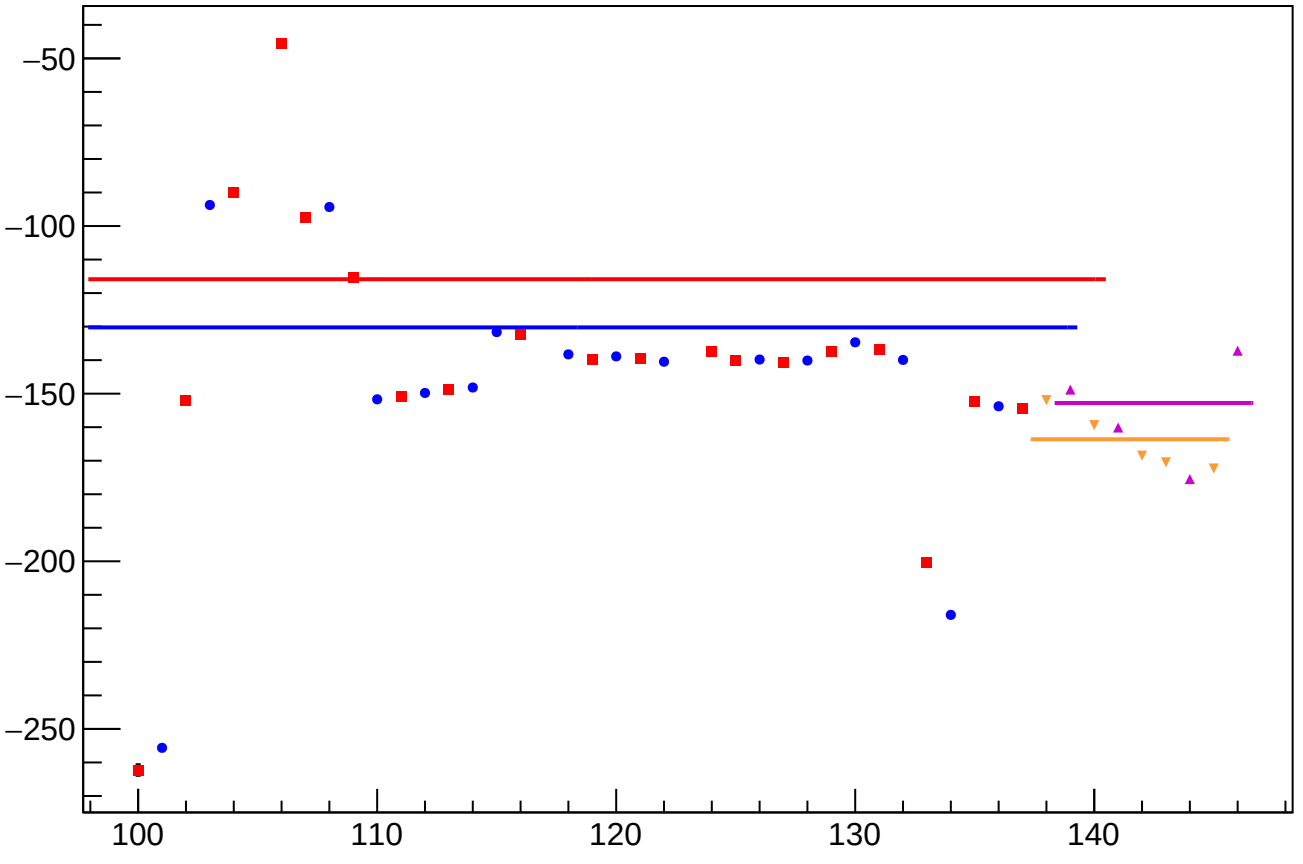
Left: 53.200+/-1.587 χ^2/NDF: 94.9/8

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 52.136+/-1.345 χ^2/NDF:235.5/19

Out: 49.979+/-1.308 χ^2/NDF:412.3/23

All: 51.027+/-0.938 χ^2/NDF: 649.2/43



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -163.605+/-0.103 χ^2/NDF:6017.6/4

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -152.781+/-0.103 χ^2/NDF:17212.3/3

Left: -158.203+/-0.073 χ^2/NDF: 28724.5/8

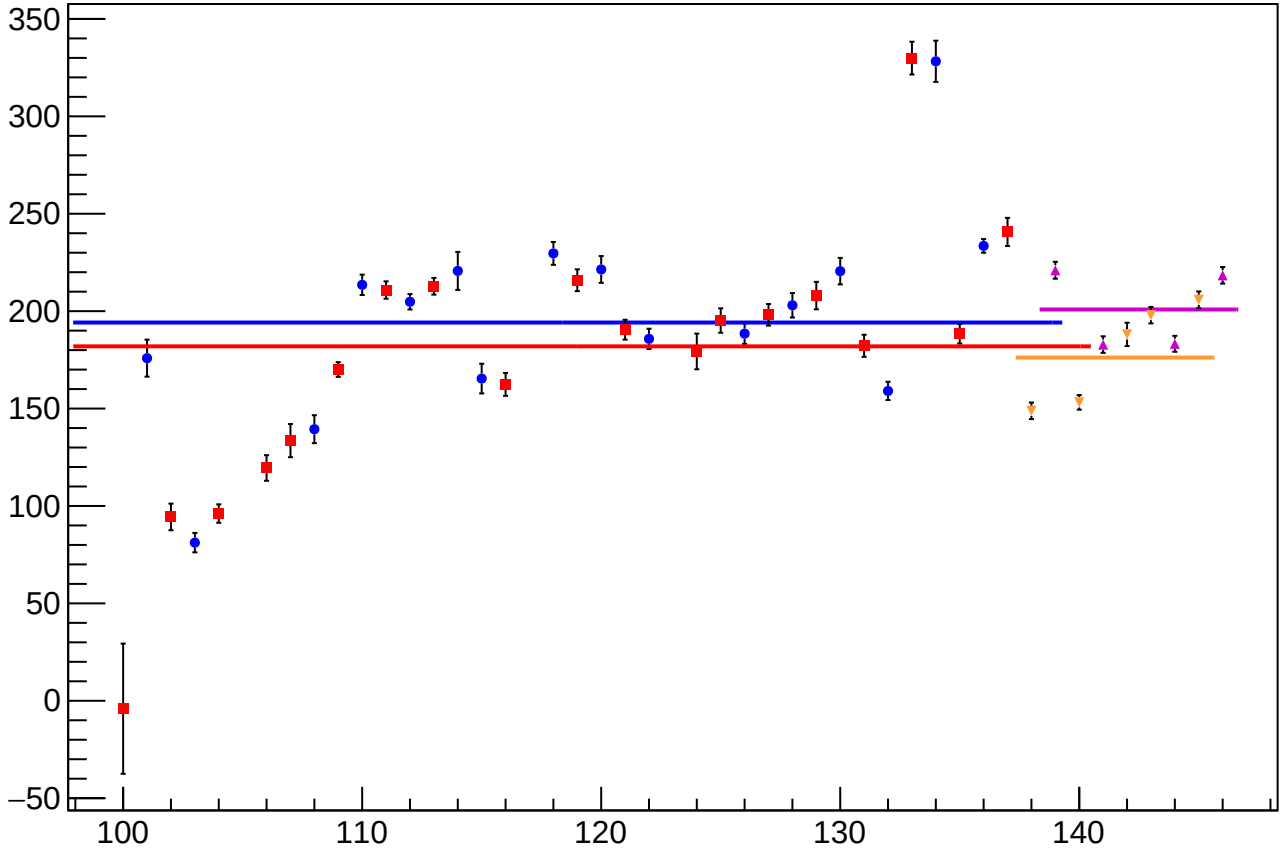
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -140.092+/-0.068 χ^2/NDF:218205.2/19

Out: -135.366+/-0.066 χ^2/NDF:338620.5/23

All: -137.644+/-0.047 χ^2/NDF: 559302.5/43

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: 176.181+/-1.943 χ^2/NDF:157.3/4

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 200.855+/-2.113 χ^2/NDF:75.2/3

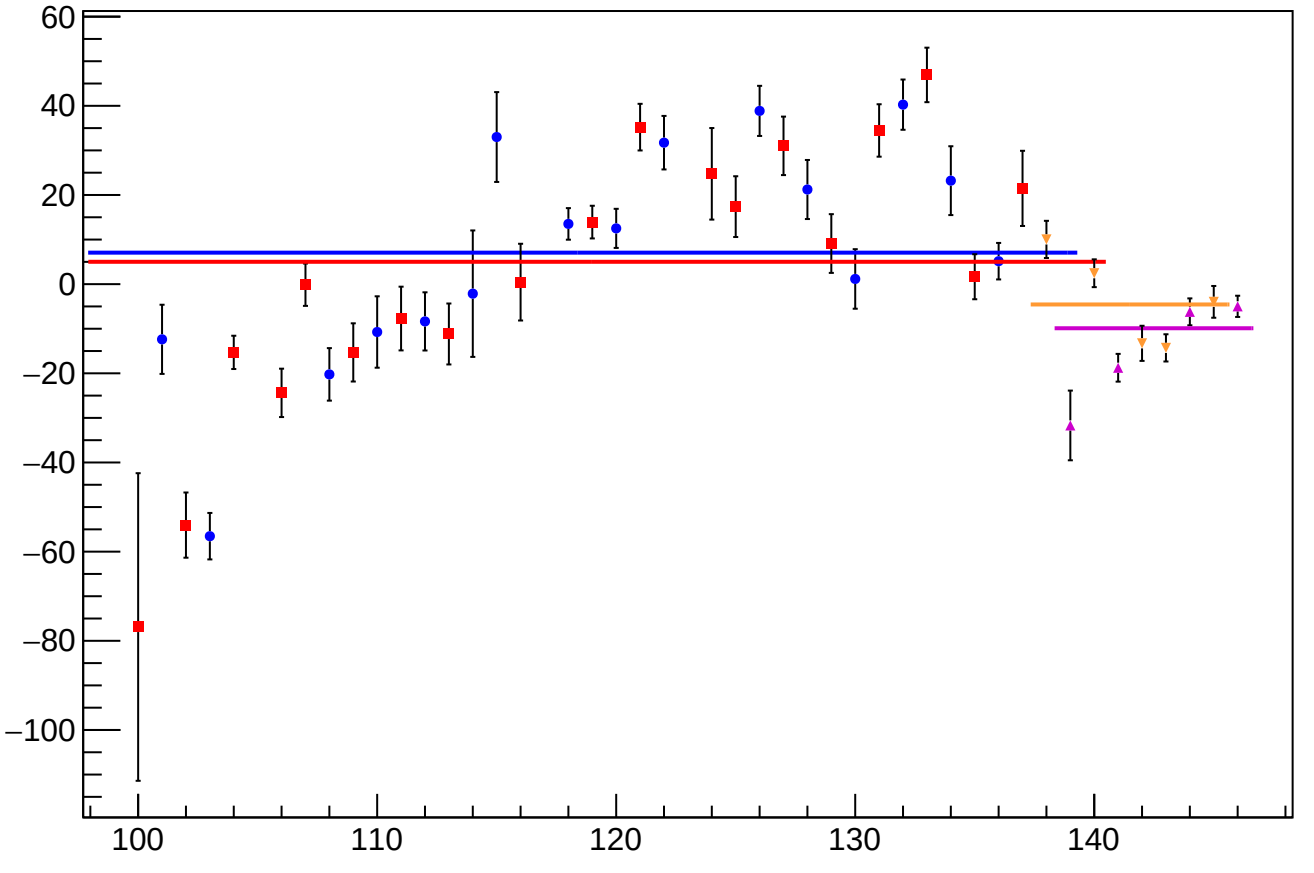
Left: 187.483+/-1.430 χ^2/NDF: 306.4/8

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 196.218+/-1.171 χ^2/NDF:1117.3/19

Out: 180.109+/-1.093 χ^2/NDF:1368.2/23

All: 187.609+/-0.799 χ^2/NDF: 2586.6/43



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -4.557+/-1.560 χ^2/NDF:32.4/4

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -9.893+/-1.570 χ^2/NDF:21.6/3

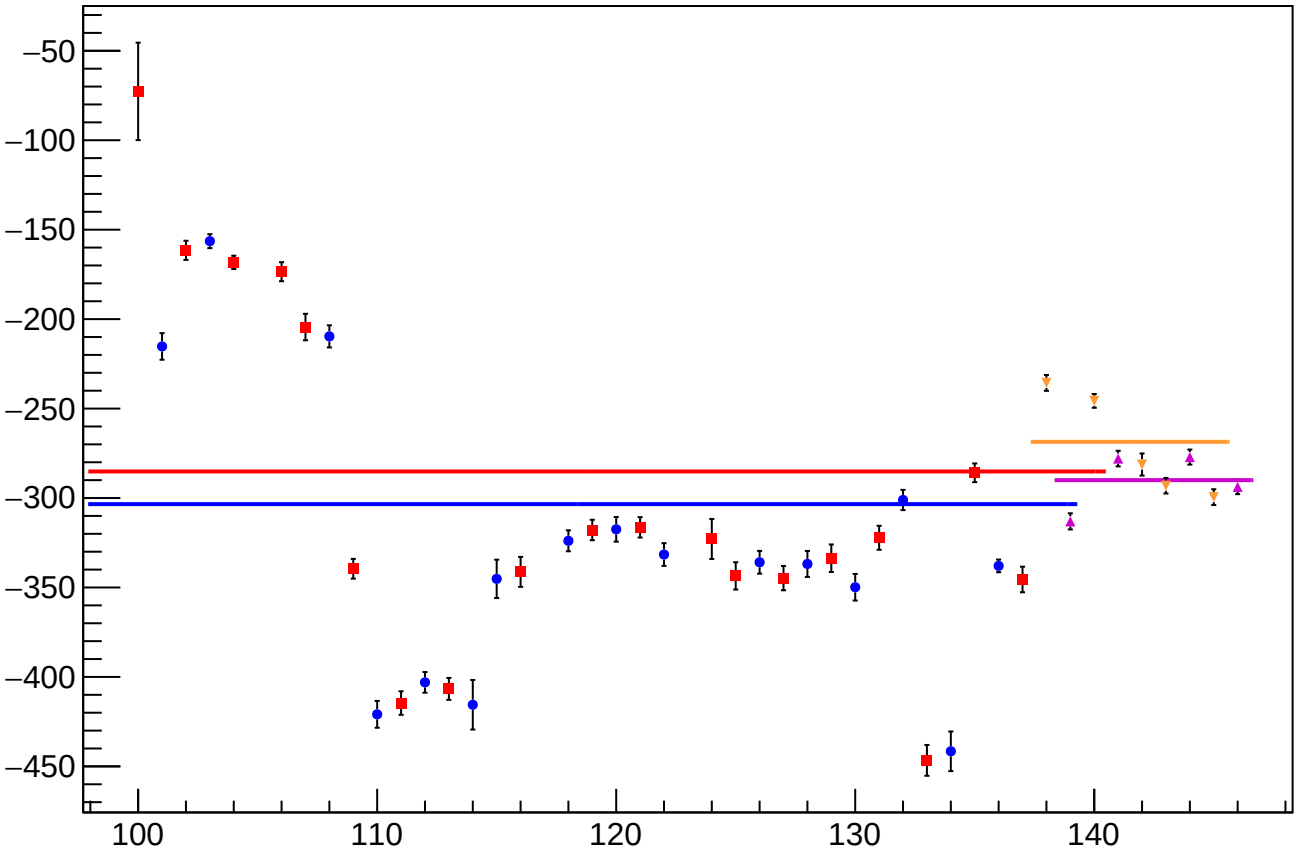
Left: -7.208+/-1.107 χ^2/NDF: 59.8/8

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: -0.700+/-1.062 χ^2/NDF:377.5/19

Out: 0.900+/-1.023 χ^2/NDF:342.4/23

All: 0.130+/-0.737 χ^2/NDF: 721.0/43



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -268.577+/-2.004 χ^2/NDF:175.9/4

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -289.997+/-2.139 χ^2/NDF:43.9/3

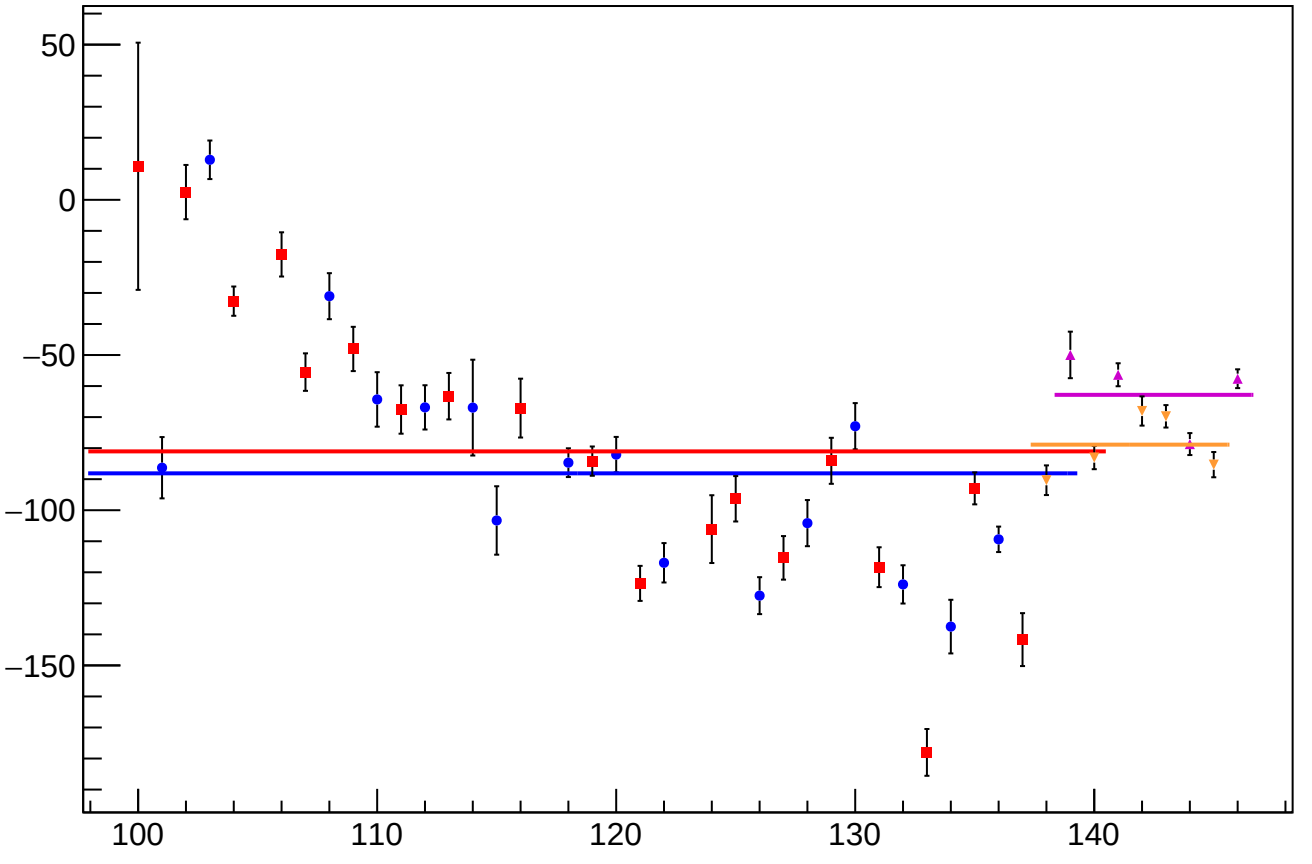
Left: -278.591+/-1.462 χ^2/NDF: 273.2/8

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -298.868+/-1.244 χ^2/NDF:2855.4/19

Out: -279.449+/-1.175 χ^2/NDF:3975.6/23

All: -288.604+/-0.854 χ^2/NDF: 6959.7/43



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -78.874+/-1.835 χ^2/NDF:21.2/4

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -62.830+/-1.891 χ^2/NDF:29.0/3

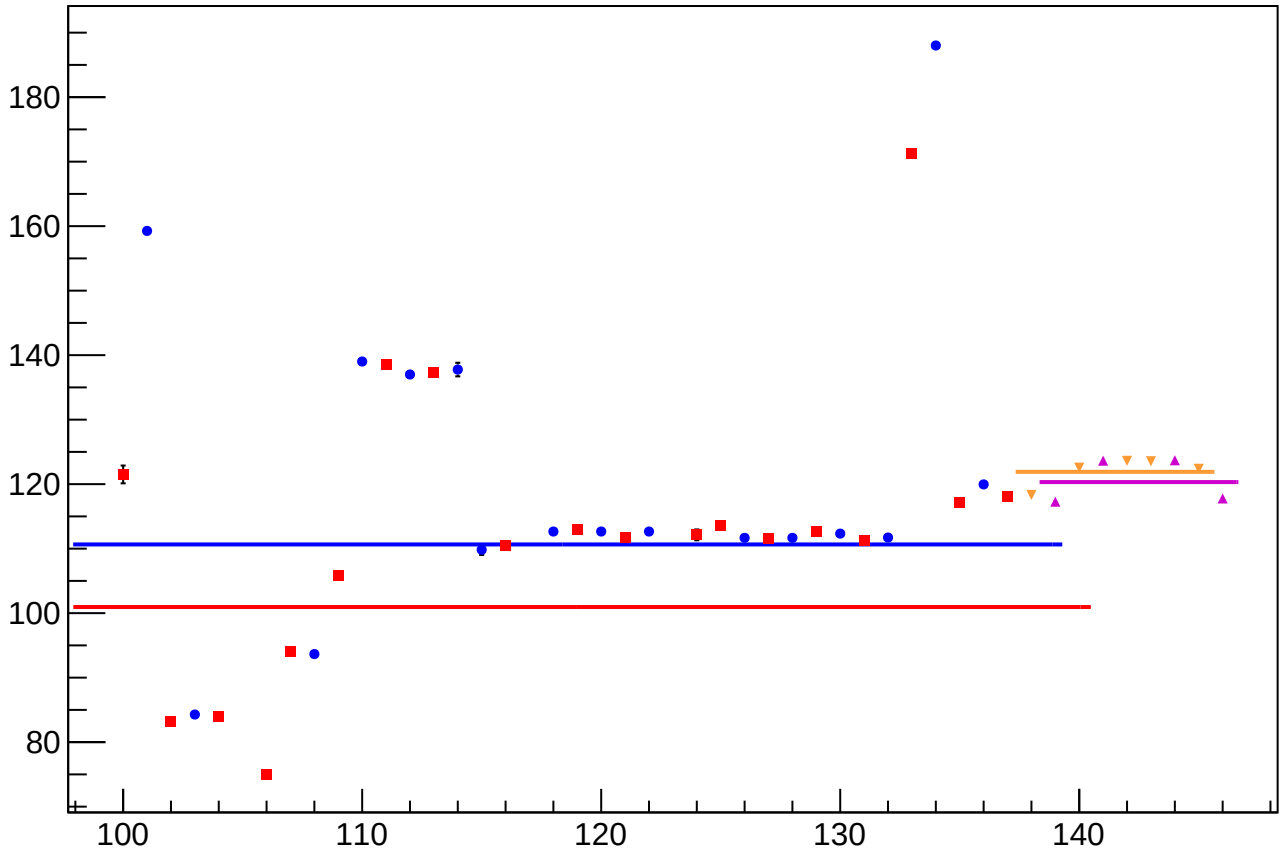
Left: -71.096+/-1.317 χ^2/NDF: 87.3/8

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -77.152+/-1.245 χ^2/NDF:642.2/19

Out: -80.129+/-1.192 χ^2/NDF:699.5/23

All: -78.705+/-0.861 χ^2/NDF: 1344.7/43



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 121.910+/-0.083 χ^2/NDF:554.4/4

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 120.320+/-0.087 χ^2/NDF:1232.1/3

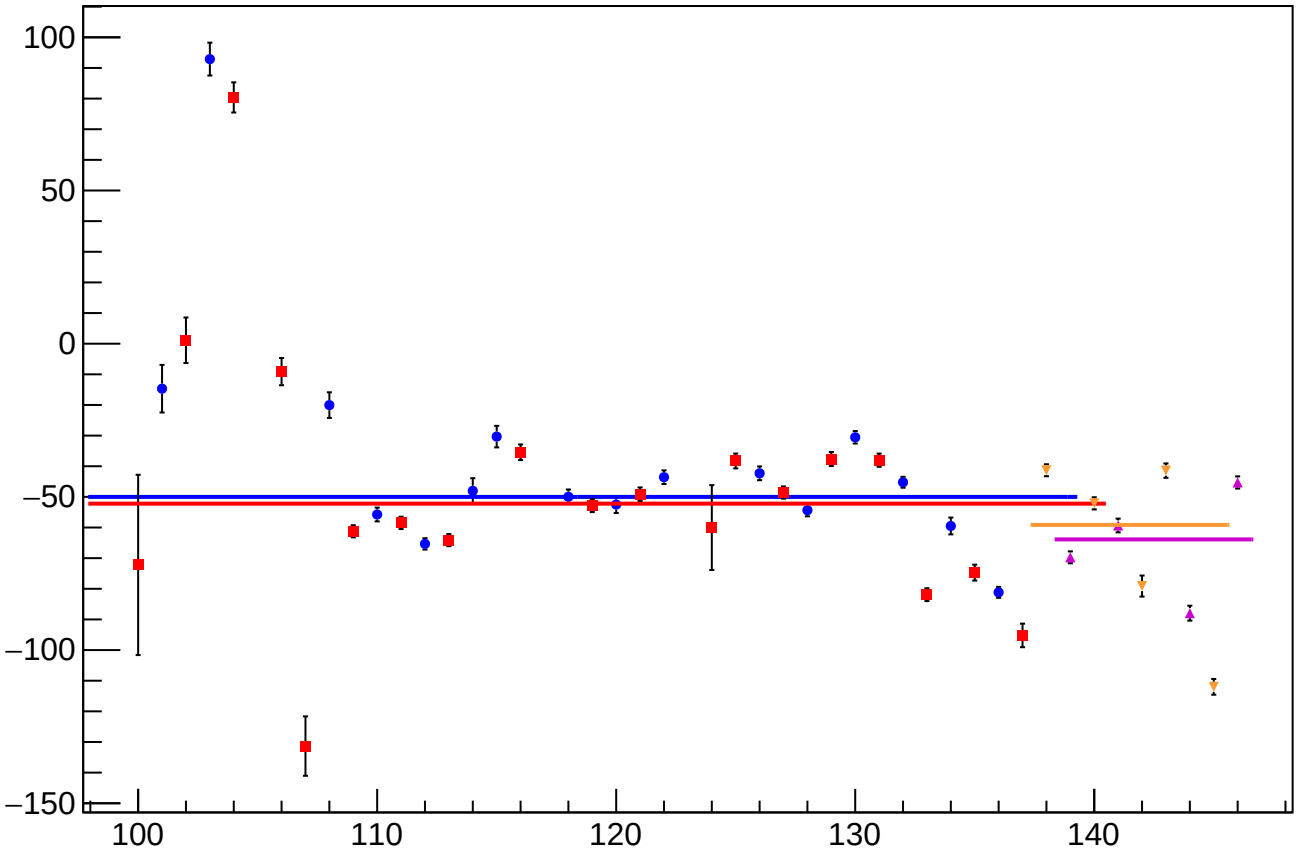
Left: 121.155+/-0.060 χ^2/NDF: 1959.7/8

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.392+/-0.061 χ^2/NDF:90978.3/19

Out: 111.139+/-0.058 χ^2/NDF:95133.1/23

All: 113.150+/-0.042 χ^2/NDF: 188651.3/43



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -59.155+/-1.036 χ^2/NDF:608.8/4

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -63.879+/-1.061 χ^2/NDF:198.9/3

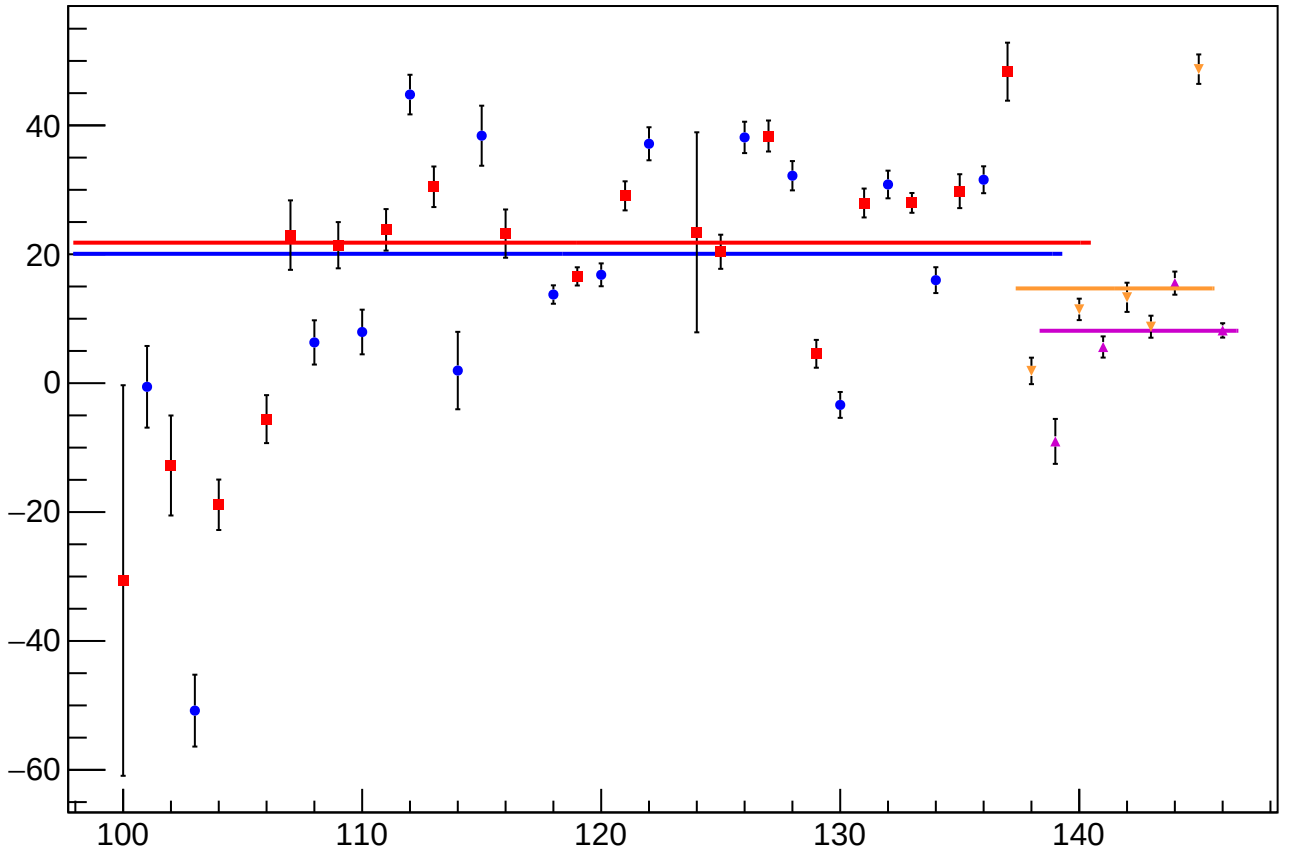
Left: -61.459+/-0.741 χ^2/NDF: 817.8/8

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -53.451+/-0.529 χ^2/NDF:1654.6/19

Out: -53.975+/-0.522 χ^2/NDF:2212.6/23

All: -53.716+/-0.372 χ^2/NDF: 3867.7/43



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 14.700+/-0.868 χ^2/NDF:276.7/4

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 8.132+/-0.799 χ^2/NDF:43.5/3

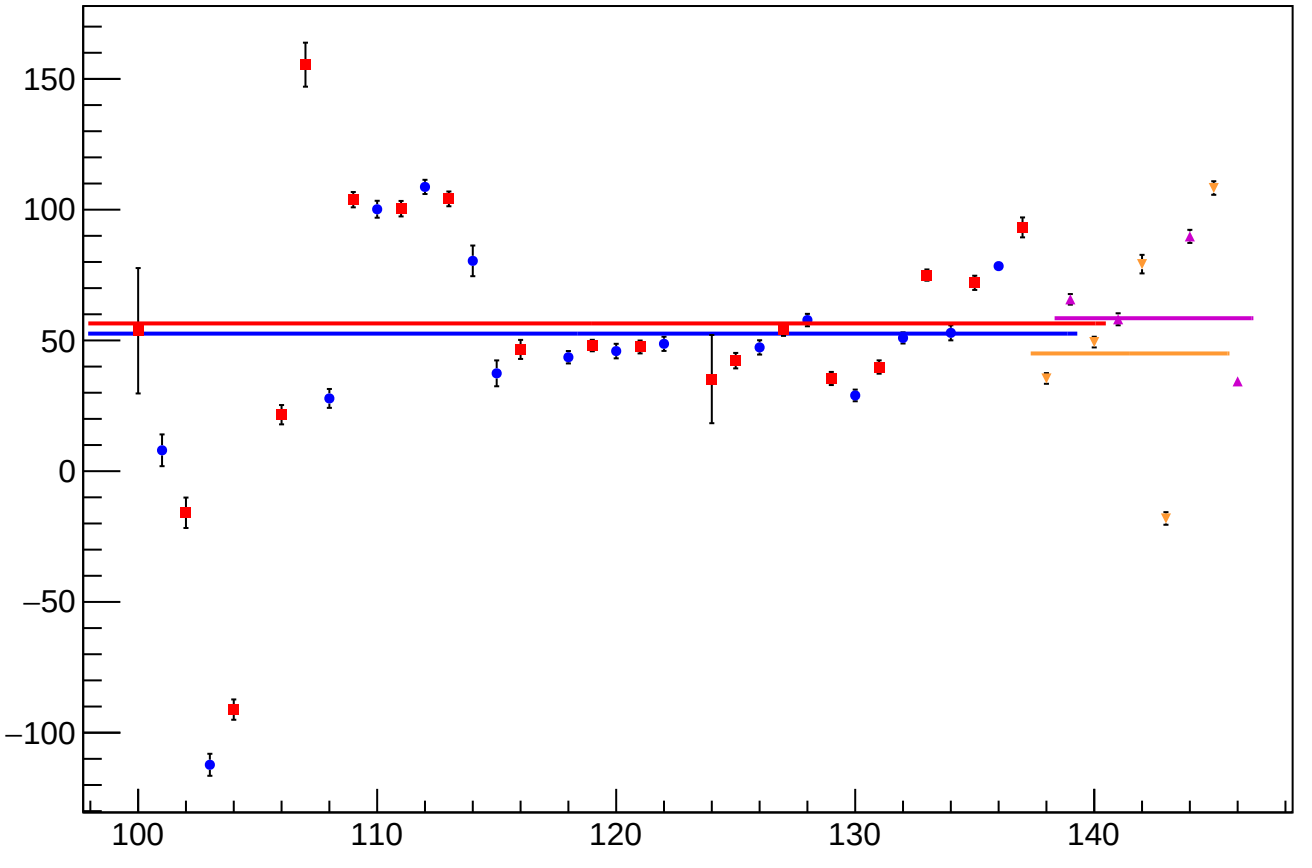
Left: 11.147+/-0.588 χ^2/NDF: 351.2/8

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 15.660+/-0.486 χ^2/NDF:820.4/19

Out: 19.390+/-0.506 χ^2/NDF:717.3/23

All: 17.451+/-0.350 χ^2/NDF: 1566.0/43



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 45.017+/-1.067 χ^2/NDF:1398.3/4

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 58.493+/-1.072 χ^2/NDF:330.2/3

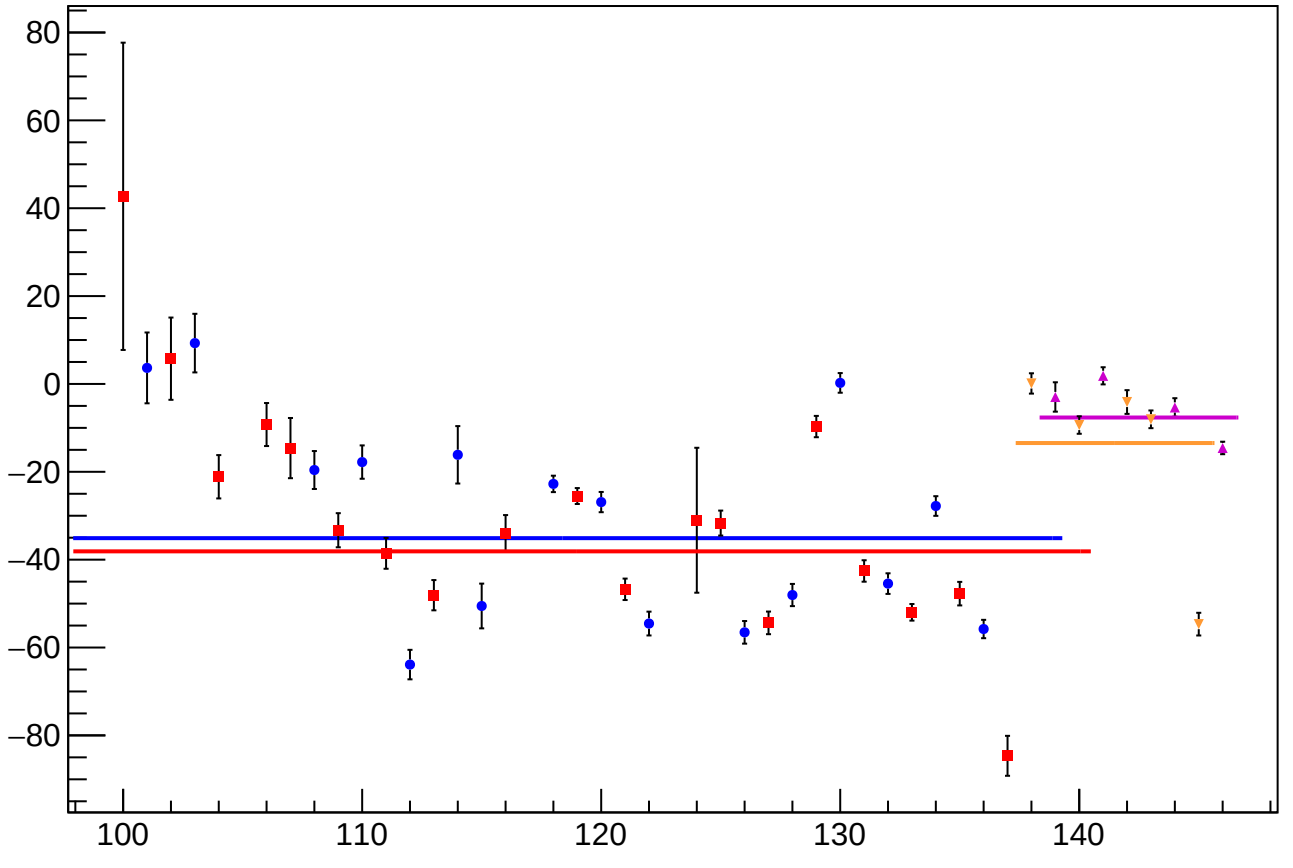
Left: 51.719+/-0.756 χ^2/NDF: 1808.0/8

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 54.351+/-0.584 χ^2/NDF:3010.9/19

Out: 53.005+/-0.588 χ^2/NDF:4444.5/23

All: 53.683+/-0.414 χ^2/NDF: 7458.0/43



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -13.450+/-1.014 χ^2/NDF:312.5/4

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -7.642+/-0.966 χ^2/NDF:50.5/3

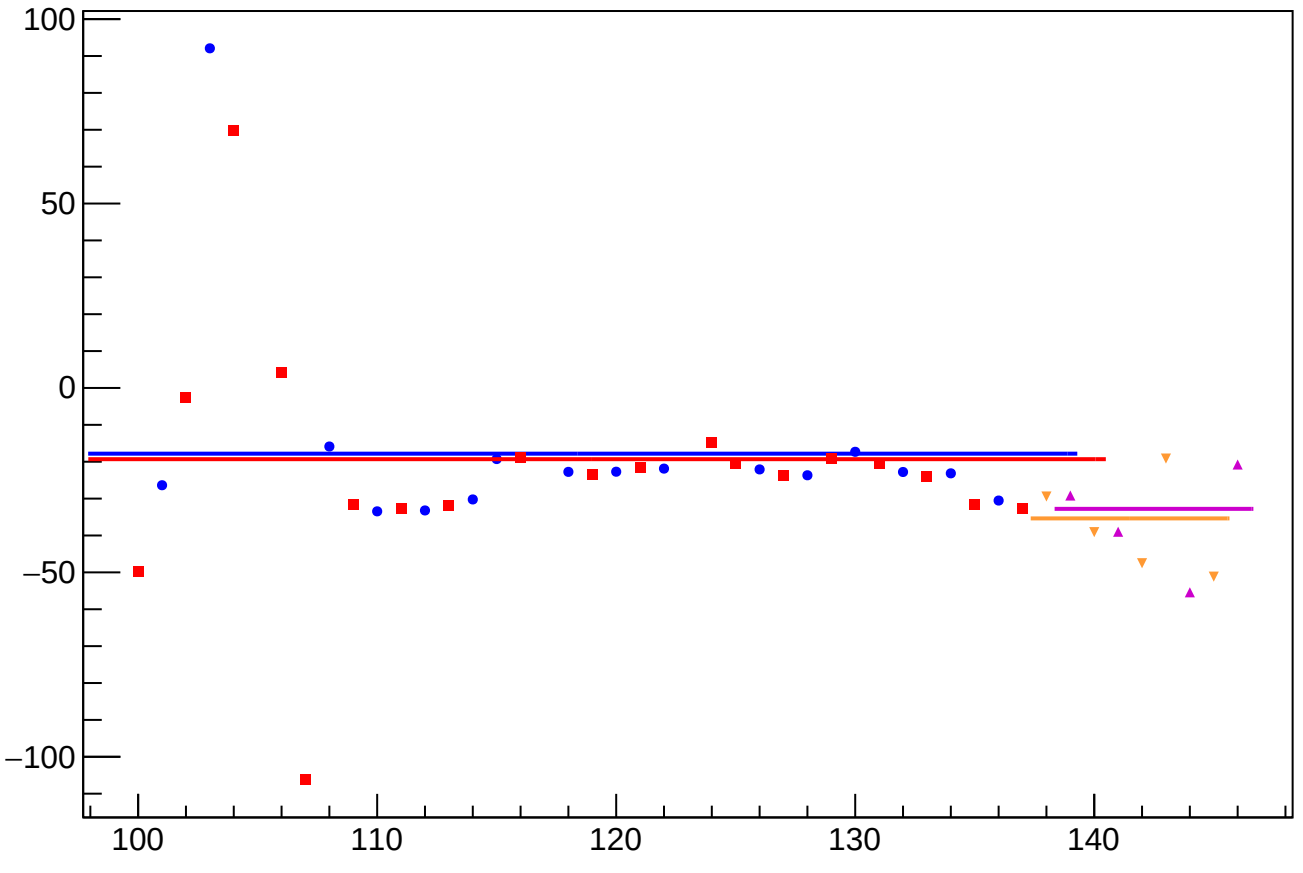
Left: -10.404+/-0.699 χ^2/NDF: 380.2/8

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -25.641+/-0.567 χ^2/NDF:1354.0/19

Out: -29.938+/-0.584 χ^2/NDF:1222.5/23

All: -27.726+/-0.407 χ^2/NDF: 2604.3/43



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -35.369+/-0.044 χ^2/NDF:64256.2/4

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -32.779+/-0.043 χ^2/NDF:69075.5/3

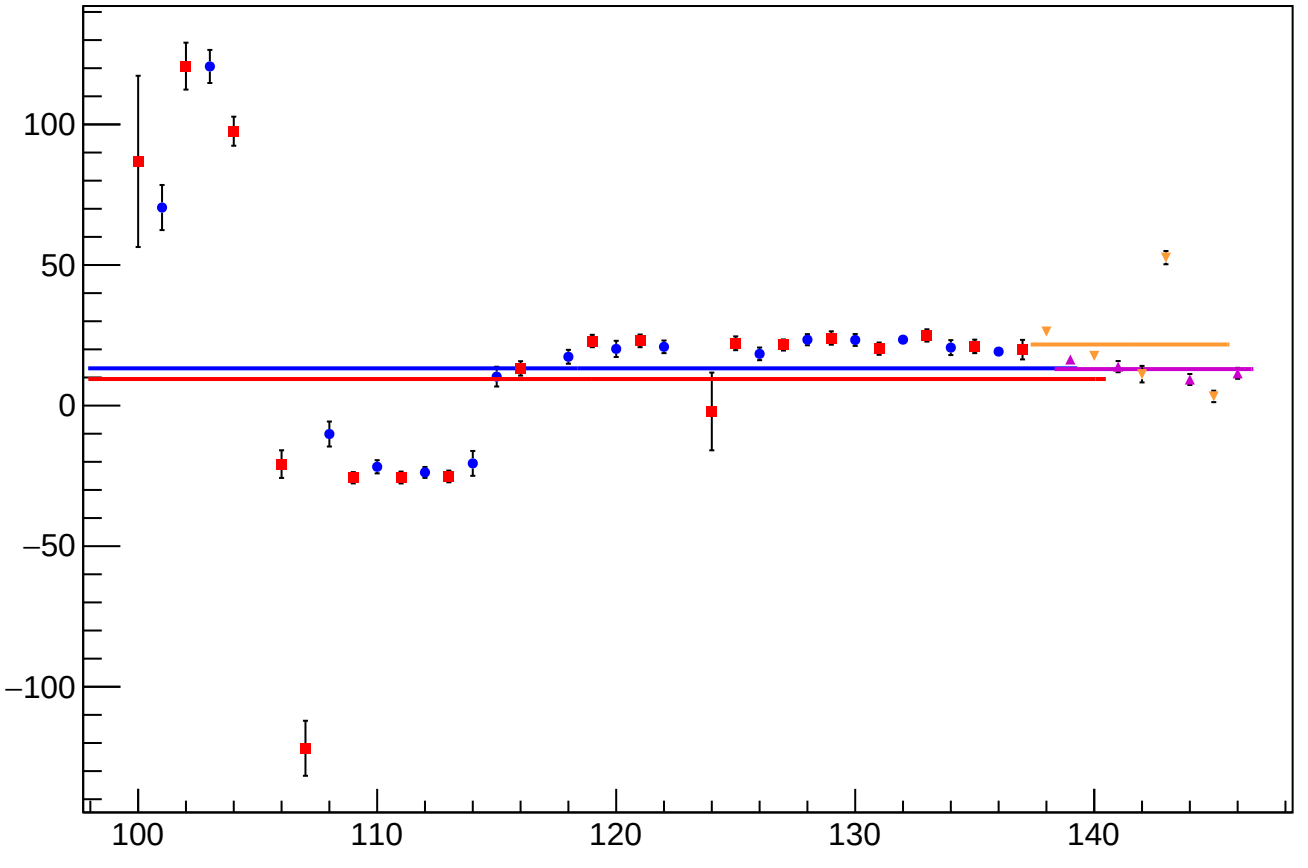
Left: -34.053+/-0.031 χ^2/NDF: 135098.3/8

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -25.302+/-0.031 χ^2/NDF:555102.4/19

Out: -27.727+/-0.032 χ^2/NDF:472512.2/23

All: -26.467+/-0.022 χ^2/NDF: 1030639.6/43



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 21.734+/-0.922 χ^2/NDF:278.4/4

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 12.985+/-0.948 χ^2/NDF:8.3/3

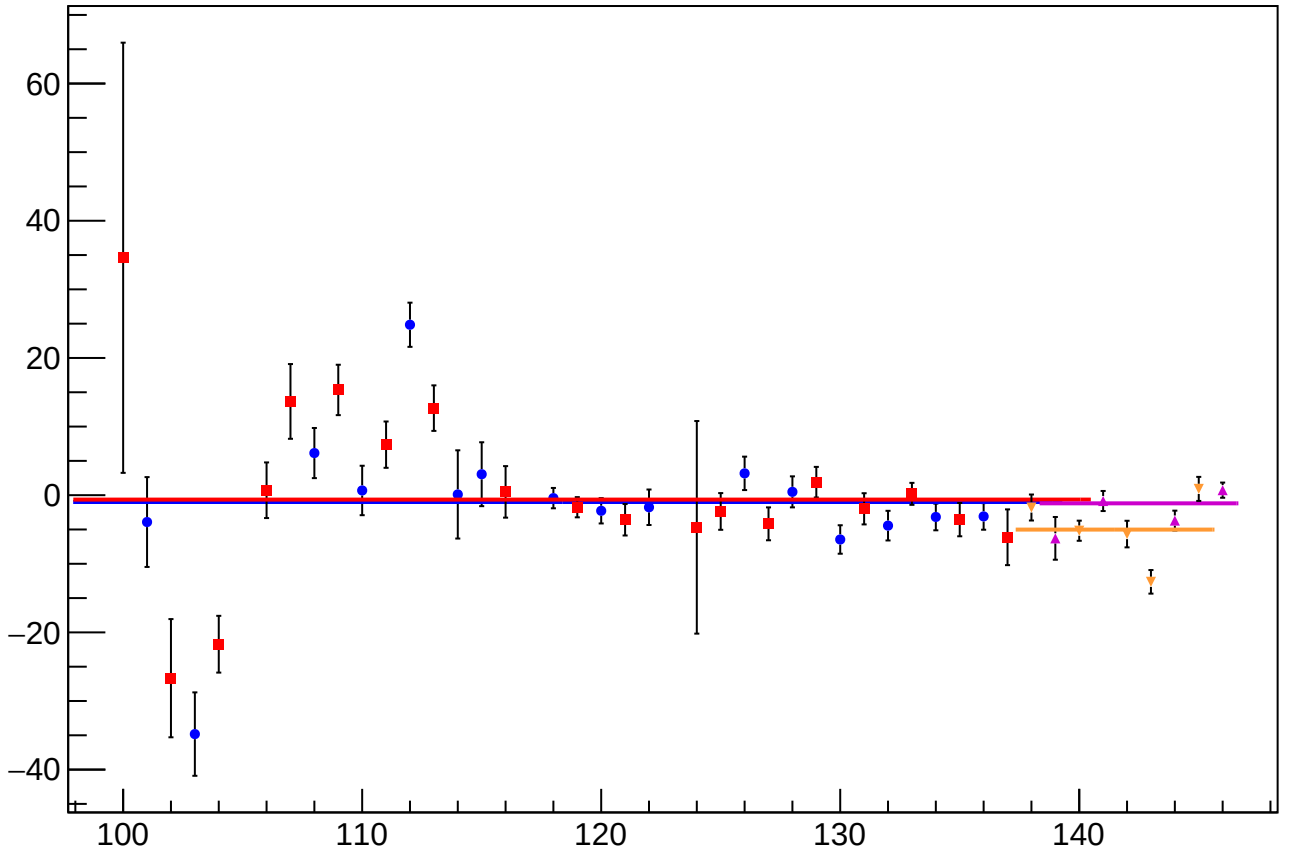
Left: 17.479+/-0.661 χ^2/NDF: 330.4/8

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.172+/-0.516 χ^2/NDF:1190.8/19

Out: 13.232+/-0.512 χ^2/NDF:2237.8/23

All: 13.202+/-0.363 χ^2/NDF: 3428.6/43



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -5.017+/-0.773 χ^2/NDF:34.1/4

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -1.190+/-0.732 χ^2/NDF:8.8/3

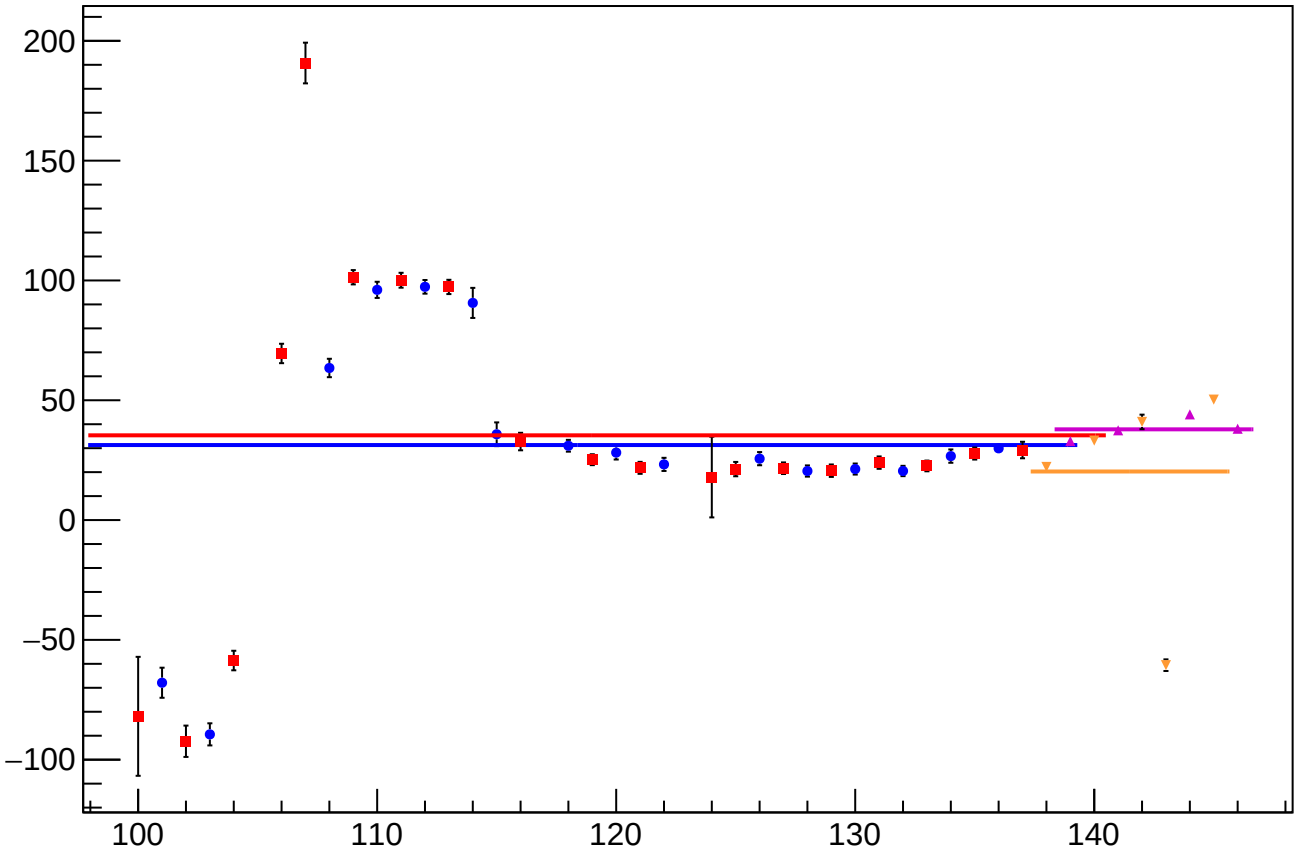
Left: -3.000+/-0.532 χ^2/NDF: 55.8/8

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.075+/-0.473 χ^2/NDF:125.2/19

Out: -2.408+/-0.491 χ^2/NDF:147.4/23

All: -1.717+/-0.341 χ^2/NDF: 276.4/43



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 20.271+/-0.951 χ^2/NDF:1417.1/4

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 37.864+/-0.961 χ^2/NDF:17.2/3

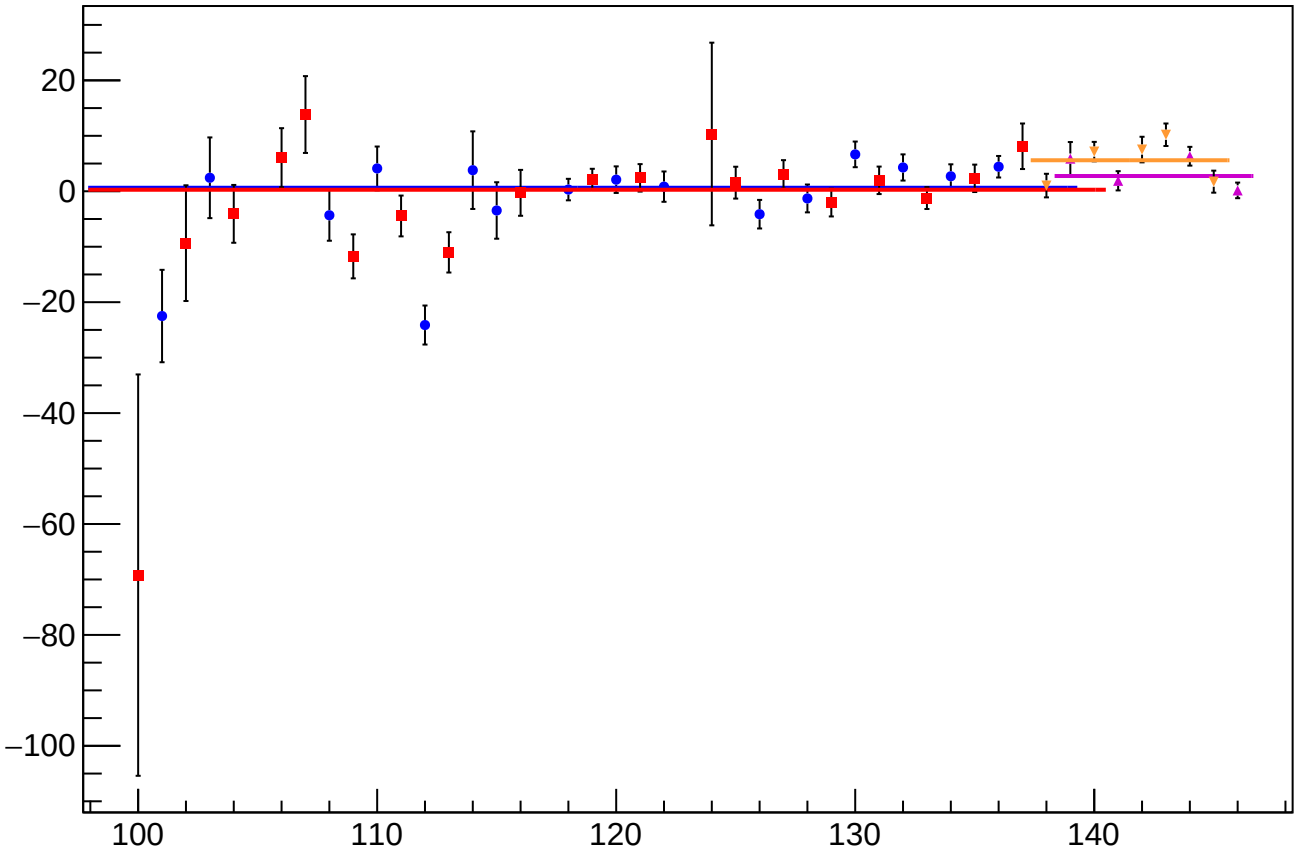
Left: 28.972+/-0.676 χ^2/NDF: 1603.6/8

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 33.582+/-0.566 χ^2/NDF:2133.4/19

Out: 29.892+/-0.573 χ^2/NDF:4475.4/23

All: 31.758+/-0.403 χ^2/NDF: 6629.8/43



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 5.592+/-0.901 χ^2/NDF:15.0/4

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.752+/-0.877 χ^2/NDF:9.2/3

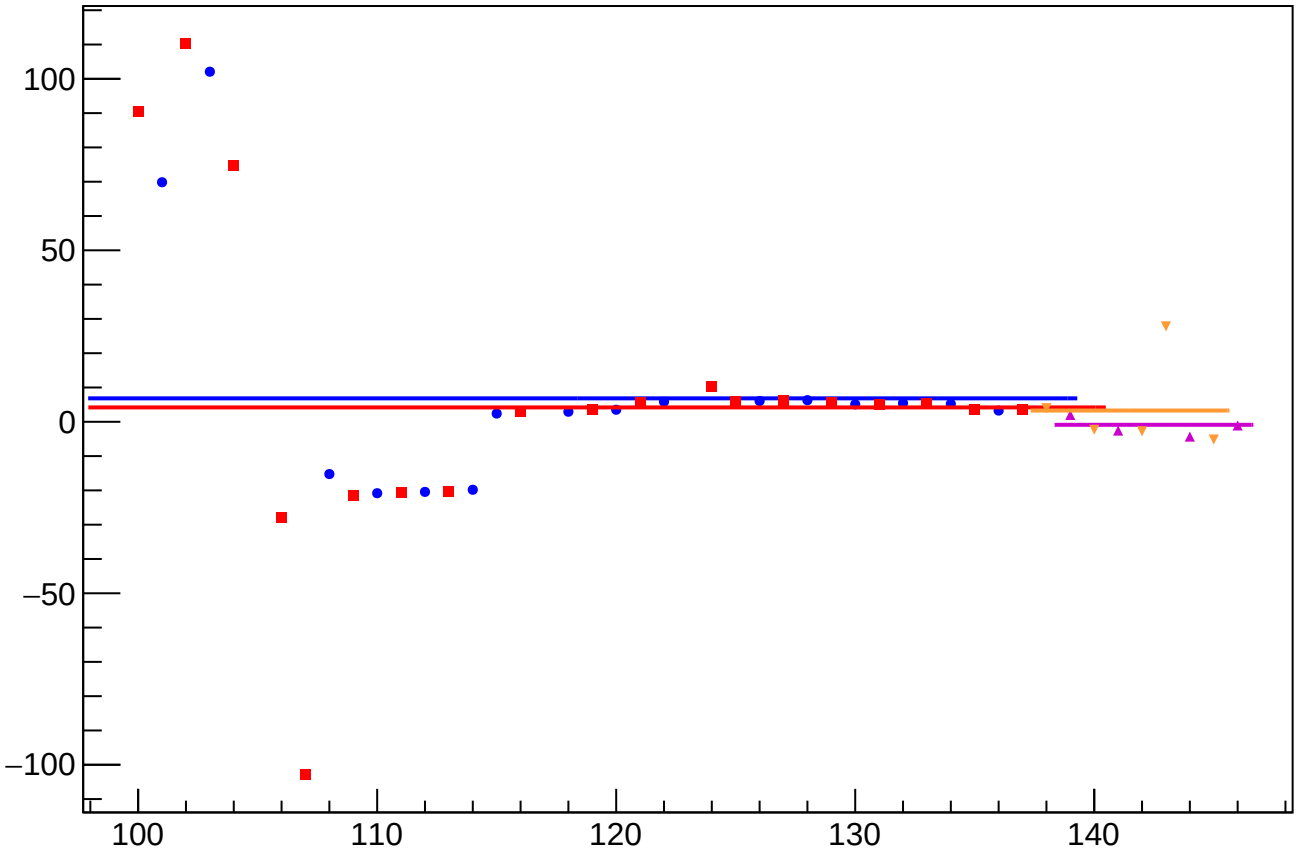
Left: 4.133+/-0.629 χ^2/NDF: 29.3/8

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.463+/-0.549 χ^2/NDF:91.2/19

Out: 2.367+/-0.565 χ^2/NDF:76.6/23

All: 1.902+/-0.394 χ^2/NDF: 169.1/43



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 3.287+/-0.039 χ^2/NDF:77368.1/4

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.880+/-0.039 χ^2/NDF:3890.2/3

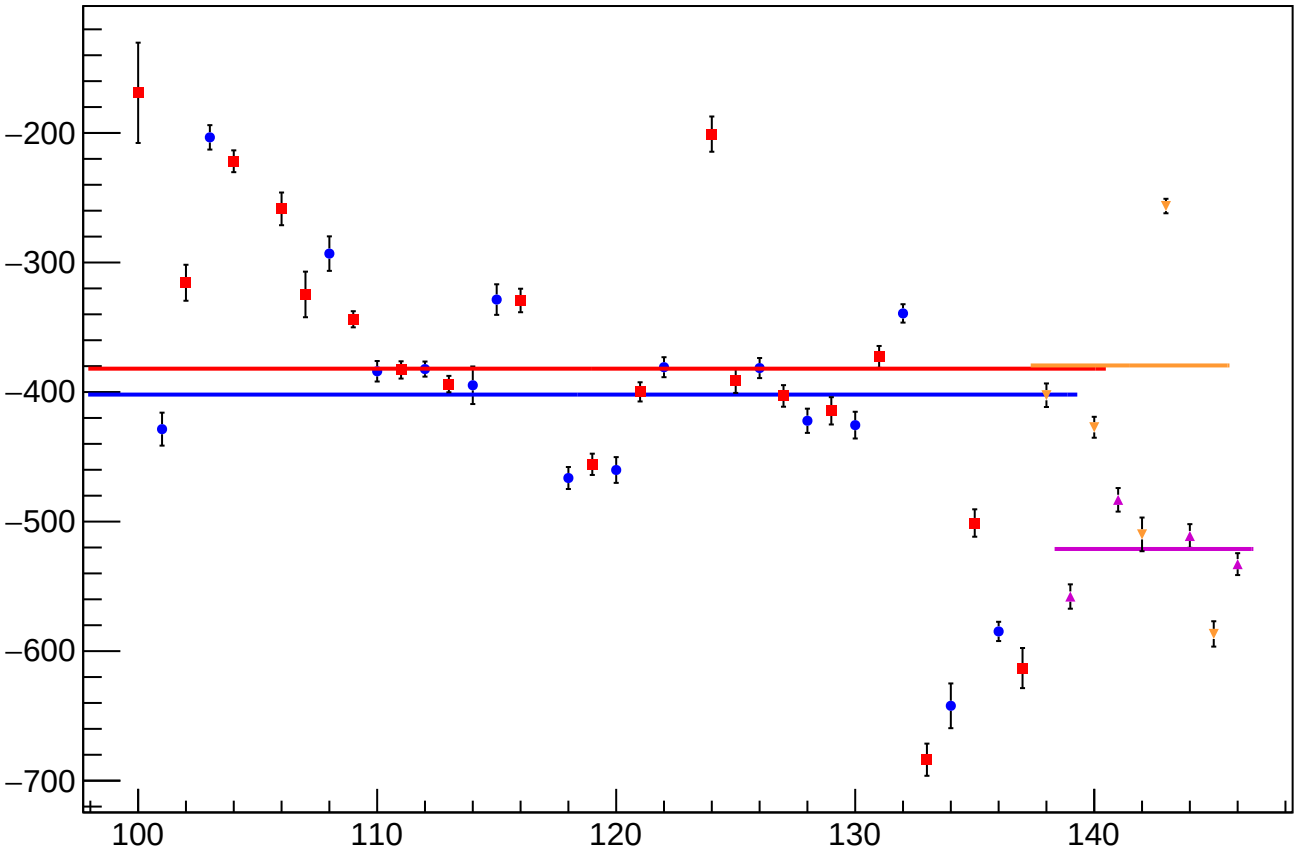
Left: 1.190+/-0.028 χ^2/NDF: 86995.7/8

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 2.595+/-0.029 χ^2/NDF:342683.0/19

Out: 3.662+/-0.030 χ^2/NDF:512137.3/23

All: 3.109+/-0.021 χ^2/NDF: 855483.7/43



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -379.469+/-3.632 χ^2/NDF:1075.4/4

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -521.139+/-4.500 χ^2/NDF:35.8/3

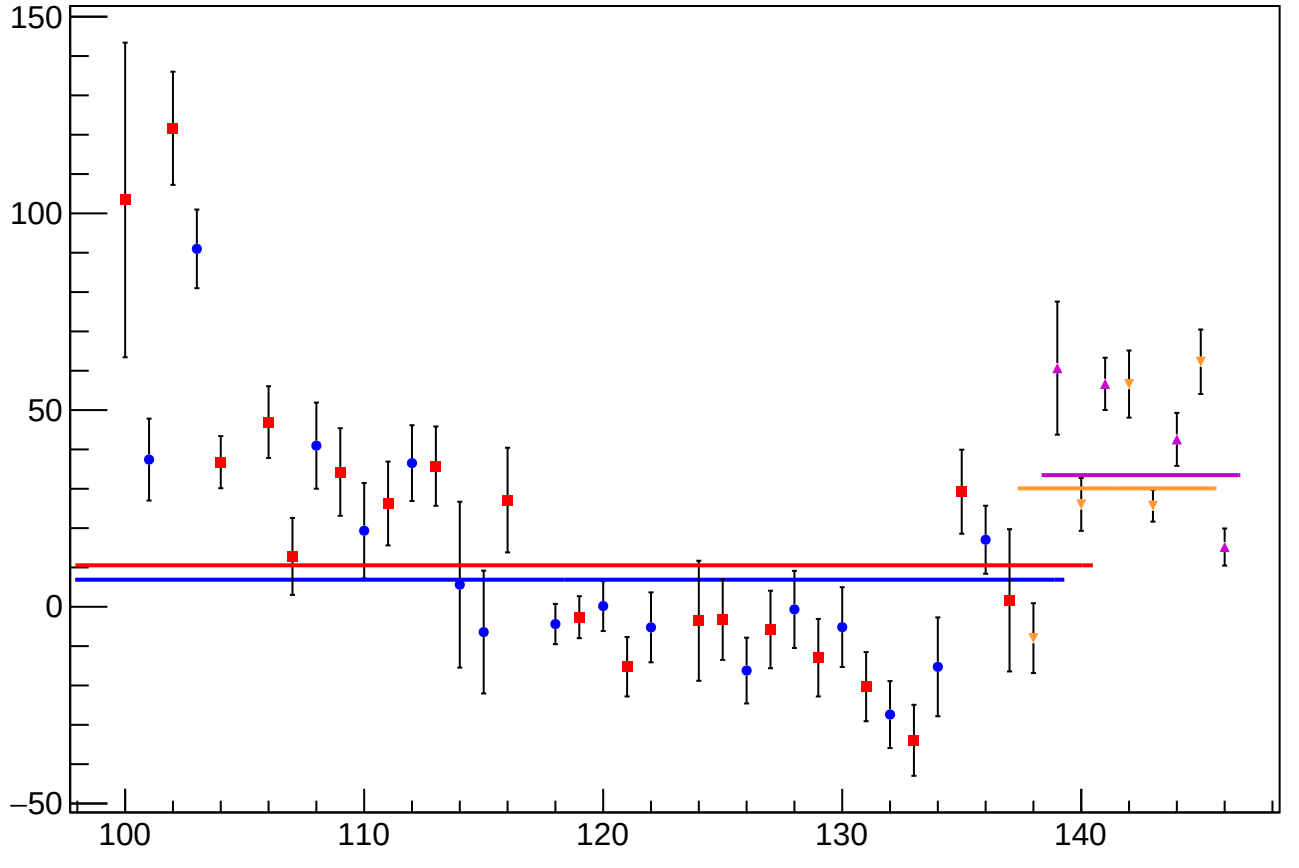
Left: -435.357+/-2.826 χ^2/NDF: 1711.4/8

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -425.563+/-2.002 χ^2/NDF:2161.6/19

Out: -381.317+/-1.834 χ^2/NDF:2893.2/23

All: -401.498+/-1.352 χ^2/NDF: 5320.3/43



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 30.101+/-2.833 χ^2/NDF:45.0/4

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 33.473+/-3.277 χ^2/NDF:31.6/3

Left: 31.543+/-2.143 χ^2/NDF: 77.2/8

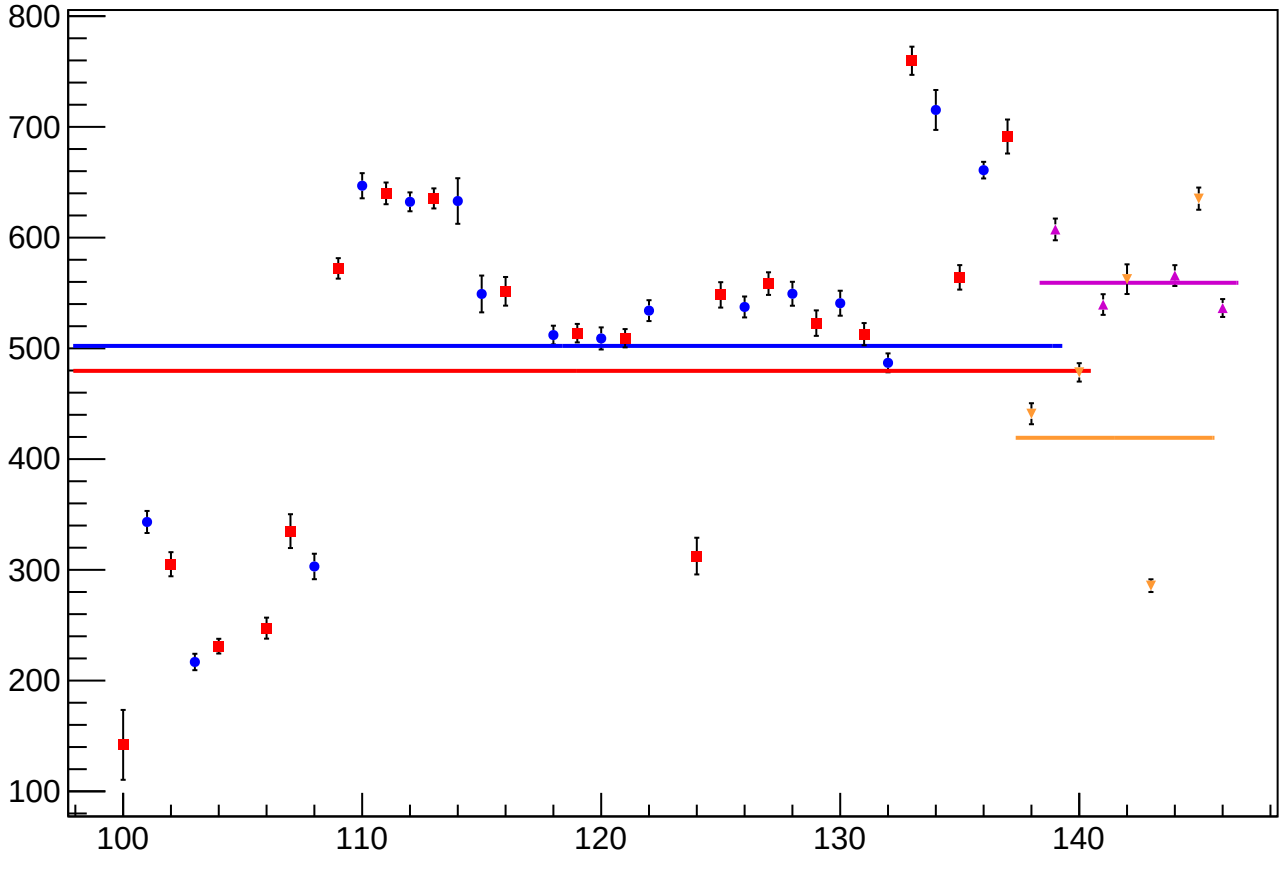
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 15.481+/-1.863 χ^2/NDF:214.6/19

Out: 17.888+/-1.736 χ^2/NDF:254.8/23

All: 16.769+/-1.270 χ^2/NDF: 470.3/43

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 419.238+/-3.741 χ^2/NDF:1175.0/4

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 559.214+/-4.540 χ^2/NDF:37.0/3

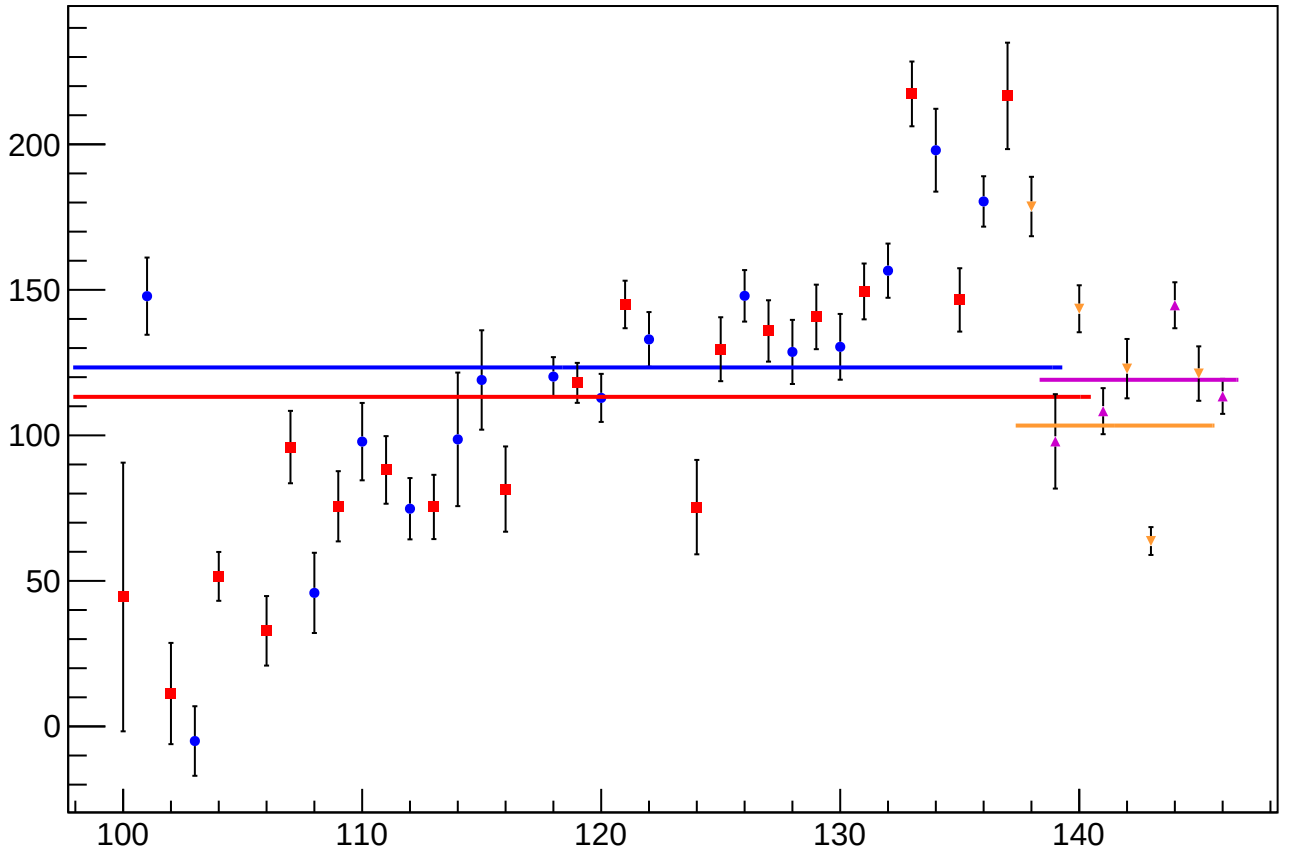
Left: 475.852+/-2.887 χ^2/NDF: 1778.1/8

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 515.417+/-2.185 χ^2/NDF:3293.3/19

Out: 462.066+/-2.020 χ^2/NDF:5498.4/23

All: 486.646+/-1.483 χ^2/NDF: 9113.2/43



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 103.373+/-3.340 χ^2/NDF:155.1/4

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 119.096+/-3.969 χ^2/NDF:15.0/3

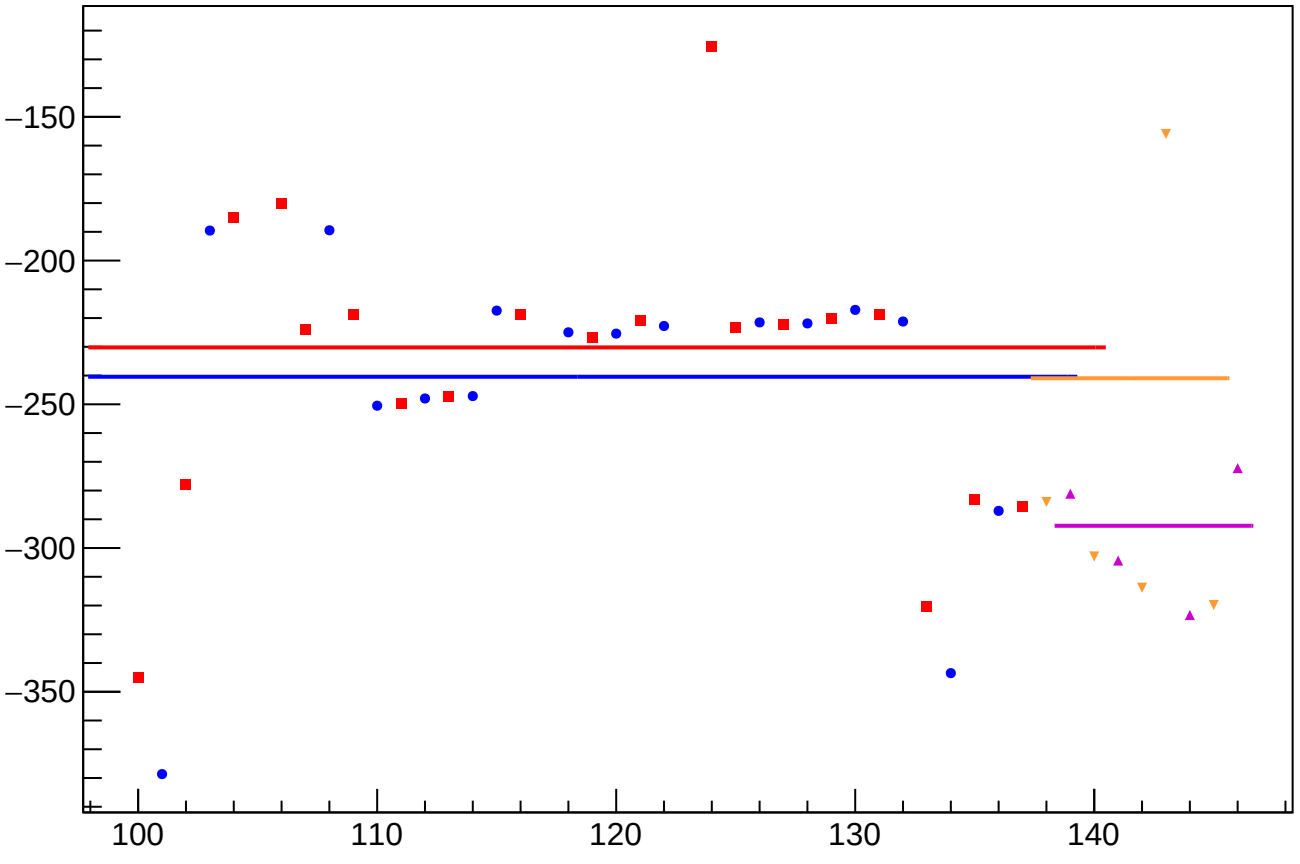
Left: 109.892+/-2.556 χ^2/NDF: 179.3/8

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 122.049+/-2.191 χ^2/NDF:287.1/19

Out: 109.613+/-2.024 χ^2/NDF:506.4/23

All: 115.341+/-1.487 χ^2/NDF: 810.9/43



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -240.942+/-0.156 χ^2/NDF:223684.1/4

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -292.256+/-0.186 χ^2/NDF:10783.5/3

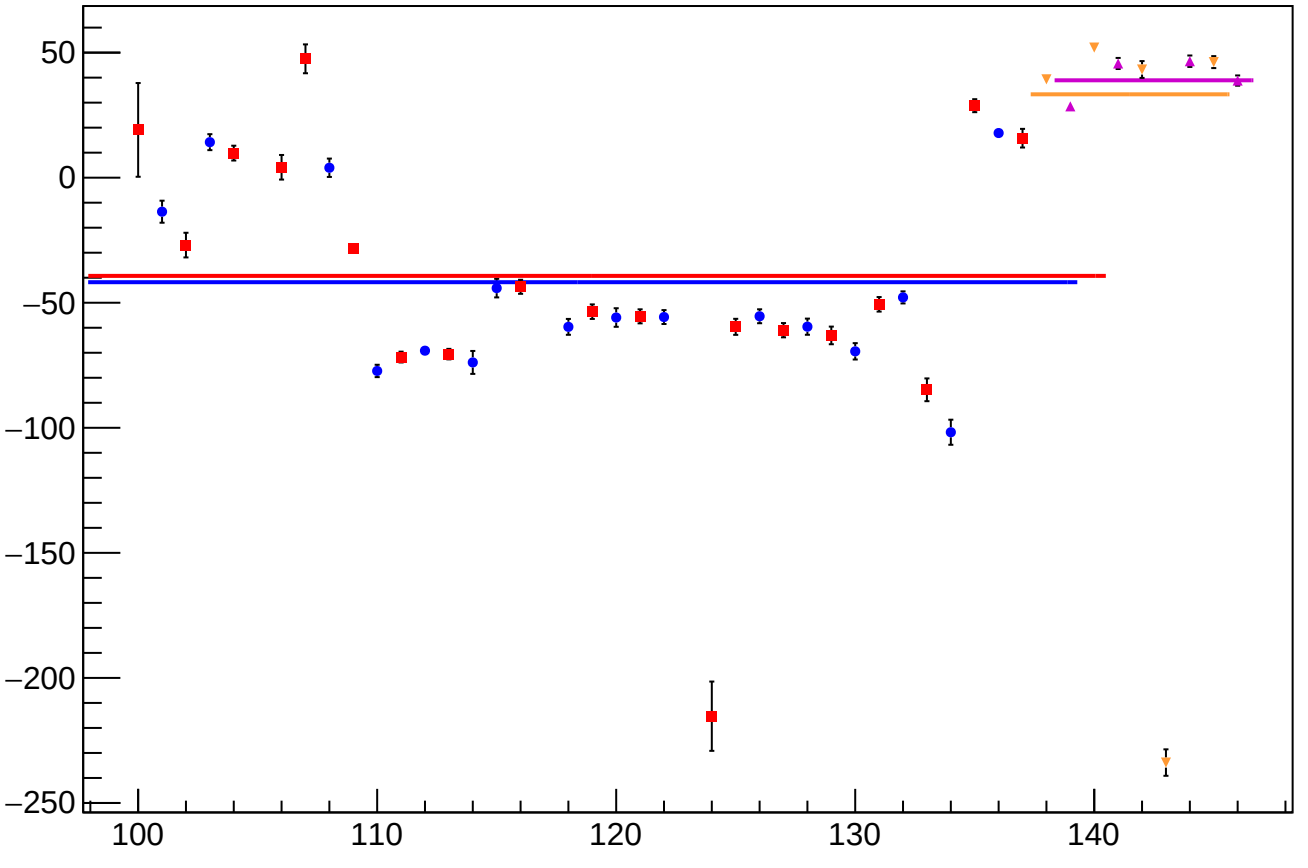
Left: -262.099+/-0.119 χ^2/NDF: 279206.3/8

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -260.946+/-0.117 χ^2/NDF:191865.5/19

Out: -235.245+/-0.107 χ^2/NDF:309635.8/23

All: -246.912+/-0.079 χ^2/NDF: 527828.7/43



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 33.330+/-1.103 χ^2/NDF:2688.9/4

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 38.931+/-1.052 χ^2/NDF:49.6/3

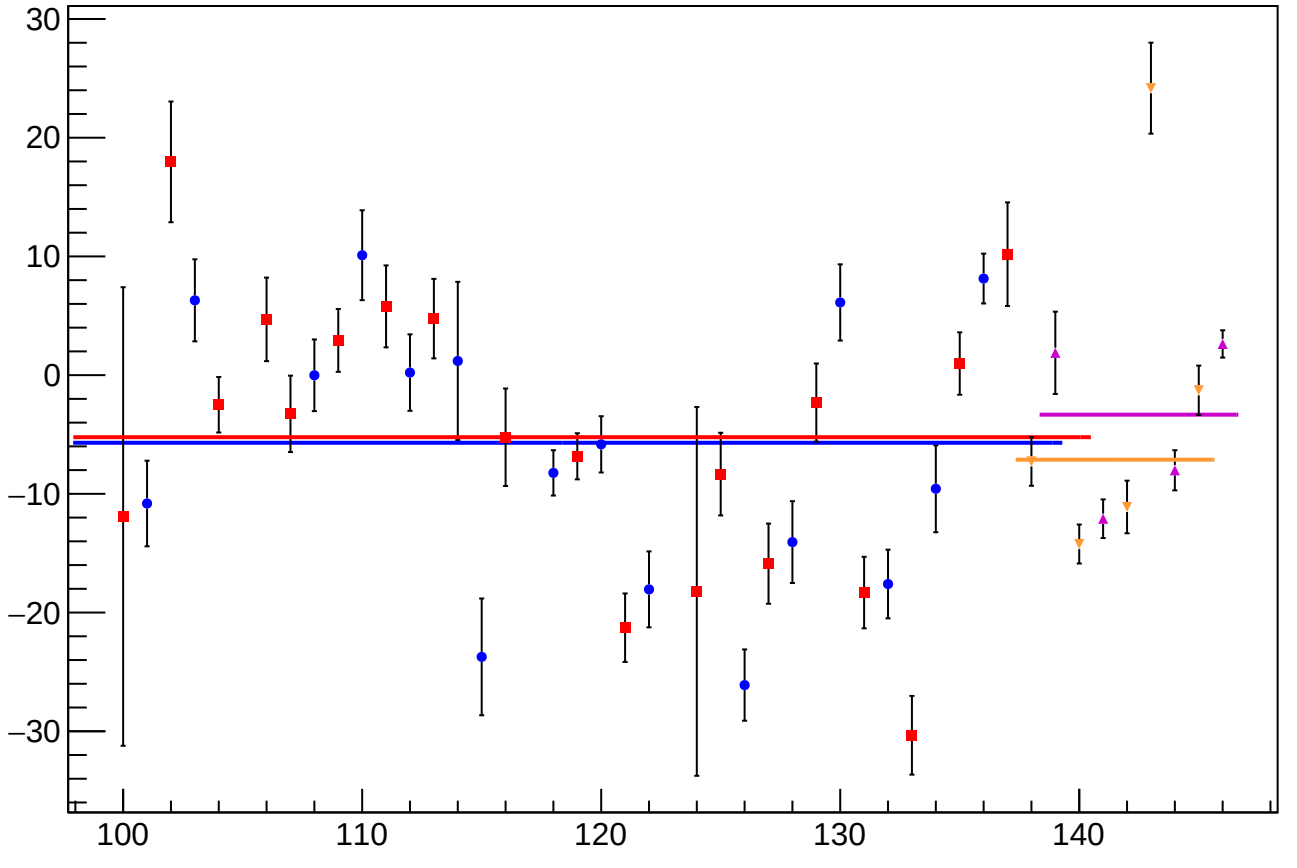
Left: 36.265+/-0.761 χ^2/NDF: 2752.0/8

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -15.881+/-0.596 χ^2/NDF:6454.2/19

Out: -19.299+/-0.579 χ^2/NDF:8304.7/23

All: -17.640+/-0.415 χ^2/NDF: 14775.8/43



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -7.122+/-0.949 χ^2/NDF:96.5/4

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -3.331+/-0.799 χ^2/NDF:65.8/3

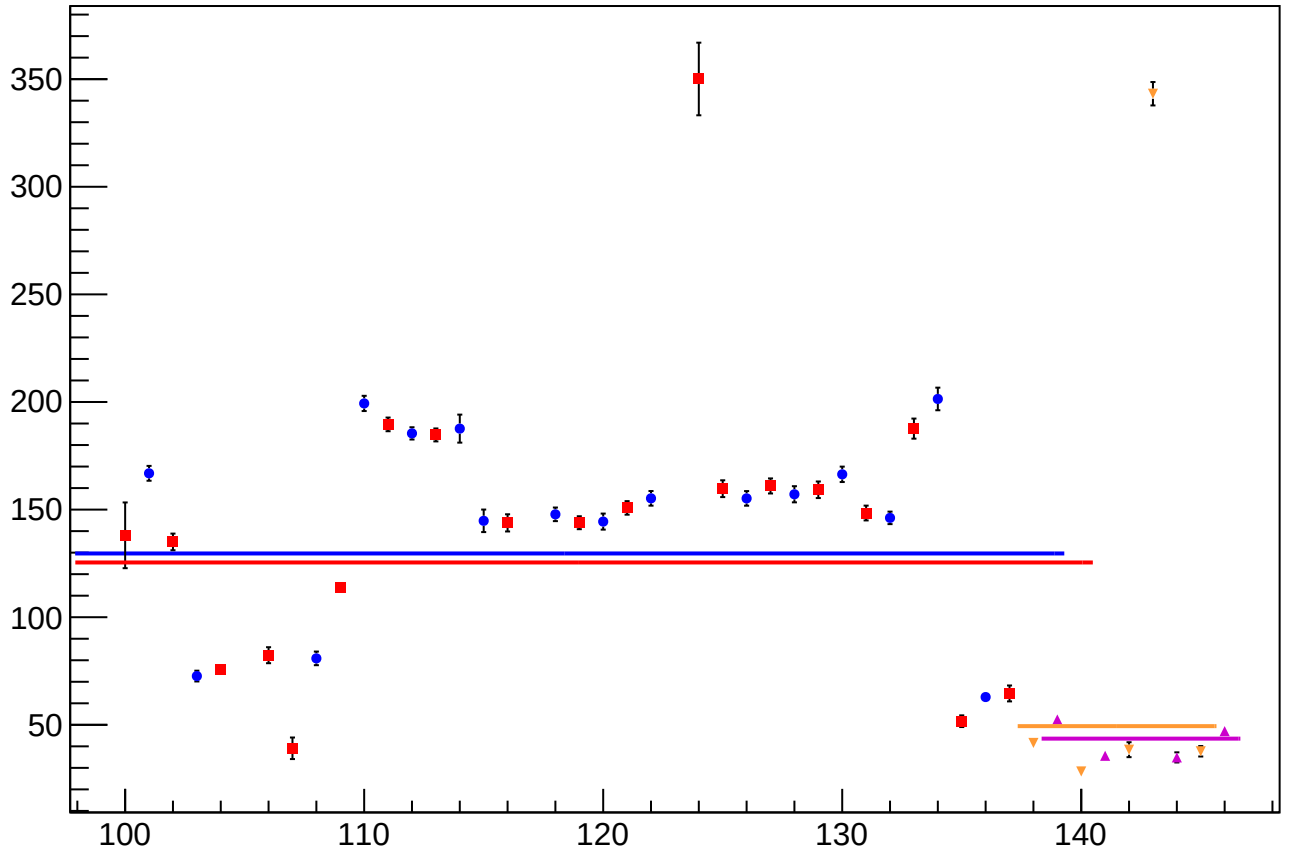
Left: -4.903+/-0.611 χ^2/NDF: 171.7/8

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -4.583+/-0.548 χ^2/NDF:267.2/19

Out: -5.944+/-0.583 χ^2/NDF:296.3/23

All: -5.221+/-0.399 χ^2/NDF: 566.4/43



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 49.388+/-1.138 χ^2/NDF:3074.8/4

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 43.584+/-1.064 χ^2/NDF:48.9/3

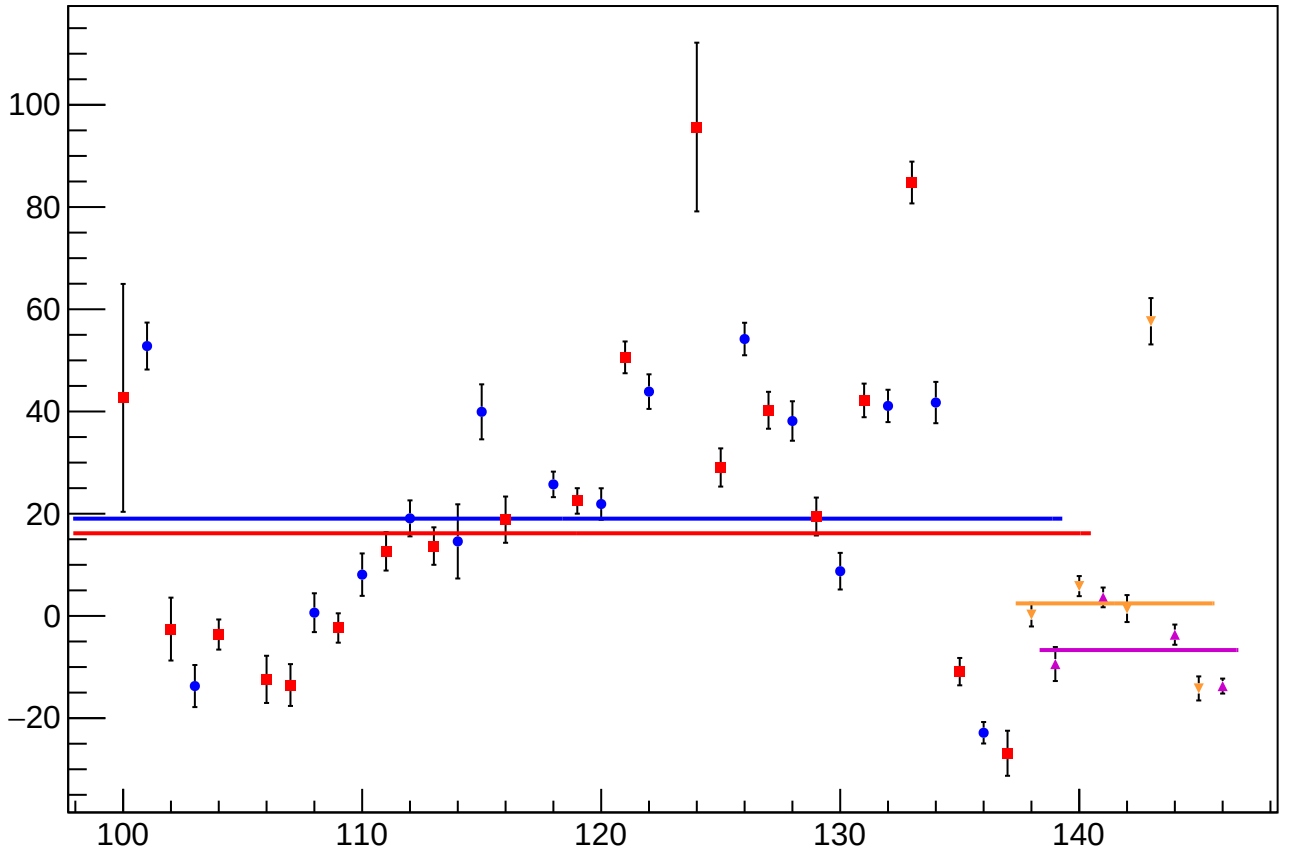
Left: 46.293+/-0.777 χ^2/NDF: 3137.6/8

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 98.530+/-0.640 χ^2/NDF:7846.5/19

Out: 100.698+/-0.649 χ^2/NDF:9593.6/23

All: 99.599+/-0.456 χ^2/NDF: 17445.8/43



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: 2.454+/-1.105 χ^2/NDF:202.2/4

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -6.674+/-0.962 χ^2/NDF:54.6/3

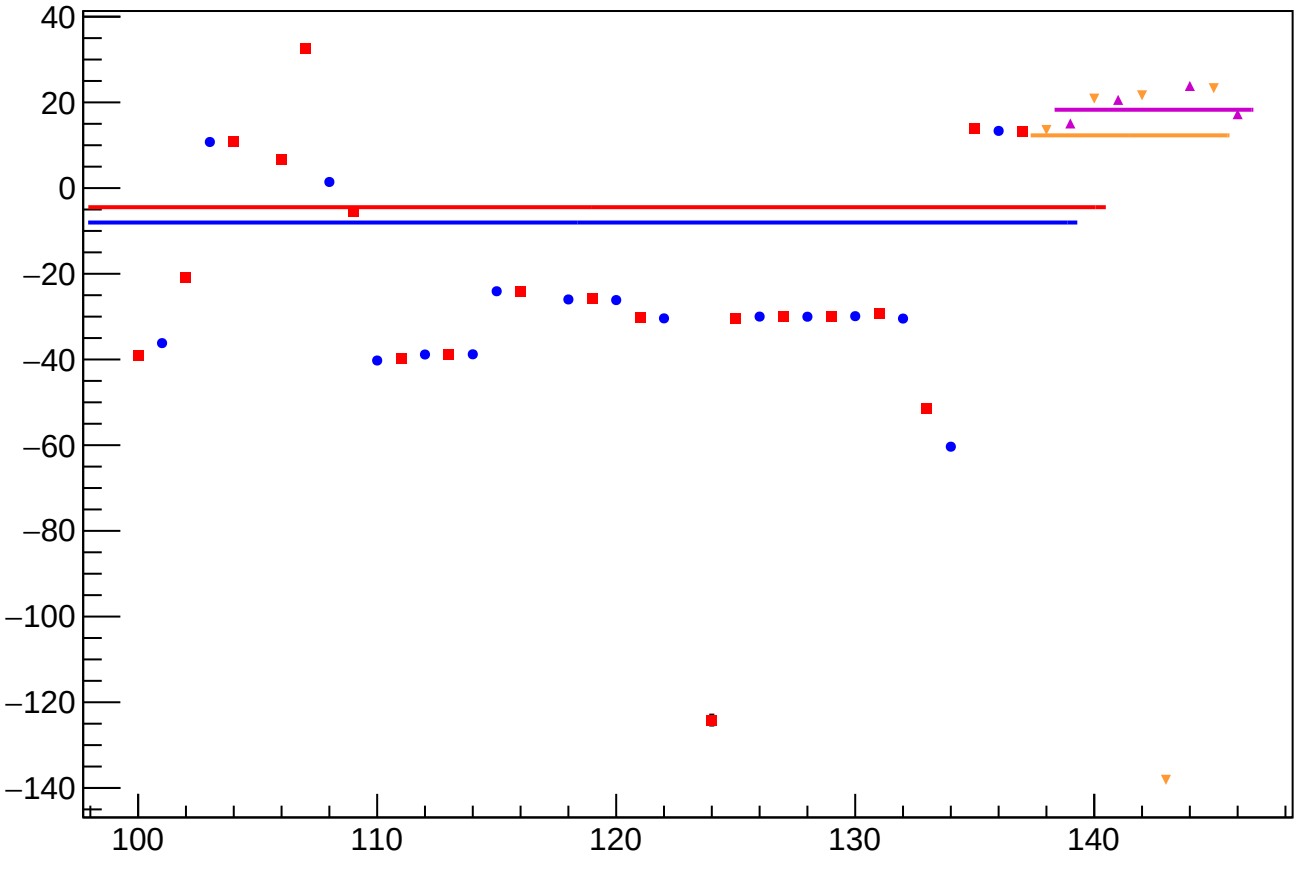
Left: -2.739+/-0.726 χ^2/NDF: 295.6/8

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 7.617+/-0.641 χ^2/NDF:1309.7/19

Out: 11.104+/-0.672 χ^2/NDF:1240.6/23

All: 9.280+/-0.464 χ^2/NDF: 2564.4/43



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 12.306+/-0.047 χ^2/NDF:467851.2/4

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 18.283+/-0.043 χ^2/NDF:5549.2/3

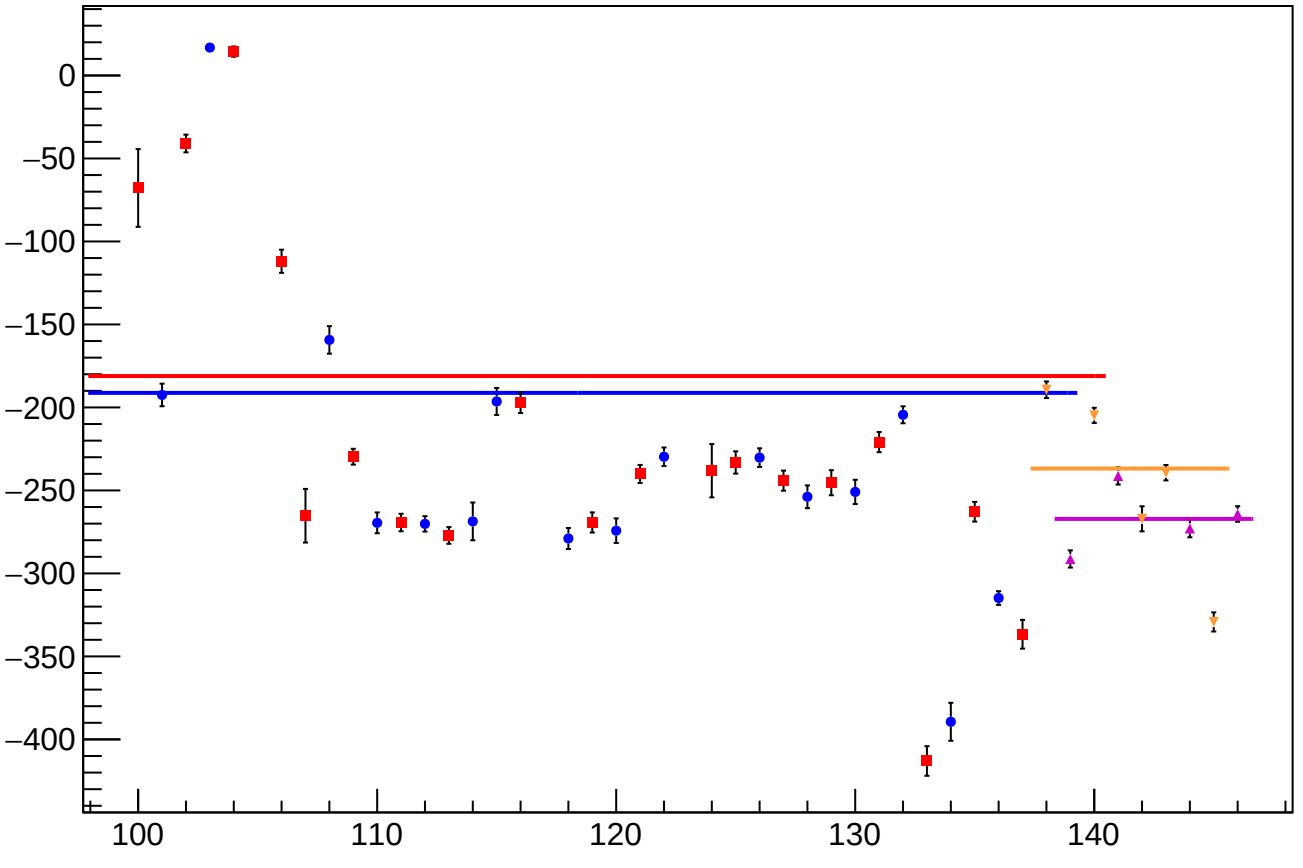
Left: 15.544+/-0.032 χ^2/NDF: 482290.9/8

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 5.986+/-0.031 χ^2/NDF:449195.4/19

Out: 3.948+/-0.033 χ^2/NDF:760648.6/23

All: 5.021+/-0.023 χ^2/NDF: 1211848.9/43



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -236.830+/-2.345 χ^2/NDF:412.2/4

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -267.157+/-2.541 χ^2/NDF:48.2/3

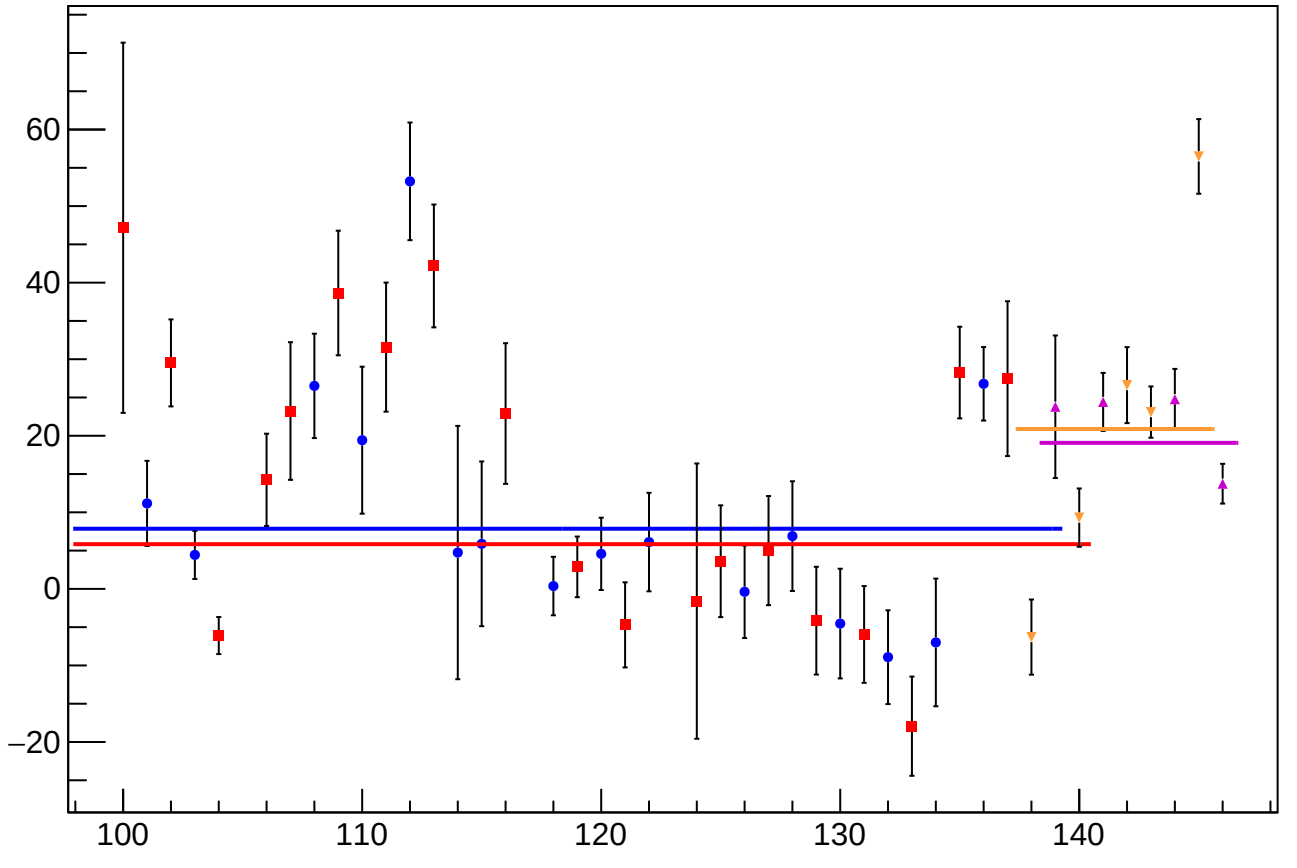
Left: -250.783+/-1.723 χ^2/NDF: 537.3/8

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -209.272+/-1.239 χ^2/NDF:7953.9/19

Out: -195.457+/-1.191 χ^2/NDF:8205.5/23

All: -202.094+/-0.858 χ^2/NDF: 16224.0/43



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 20.886+/-1.883 χ^2/NDF:95.0/4

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 19.075+/-1.846 χ^2/NDF:8.6/3

Left: 19.963+/-1.318 χ^2/NDF: 104.0/8

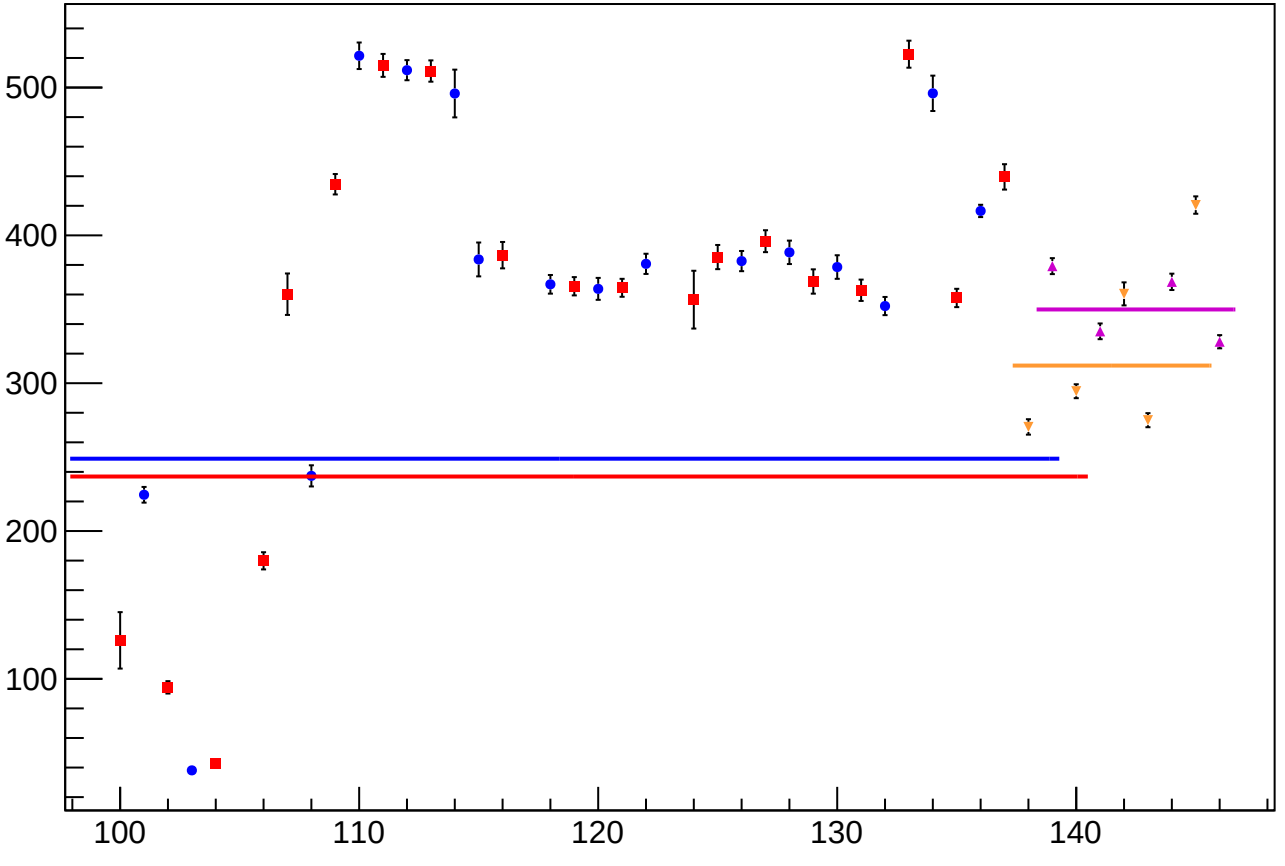
Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 12.095+/-1.134 χ^2/NDF:112.4/19

Out: 10.976+/-1.100 χ^2/NDF:279.0/23

All: 11.518+/-0.790 χ^2/NDF: 391.9/43

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 311.926+/-2.417 χ^2/NDF:516.1/4

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 349.880+/-2.561 χ^2/NDF:72.5/3

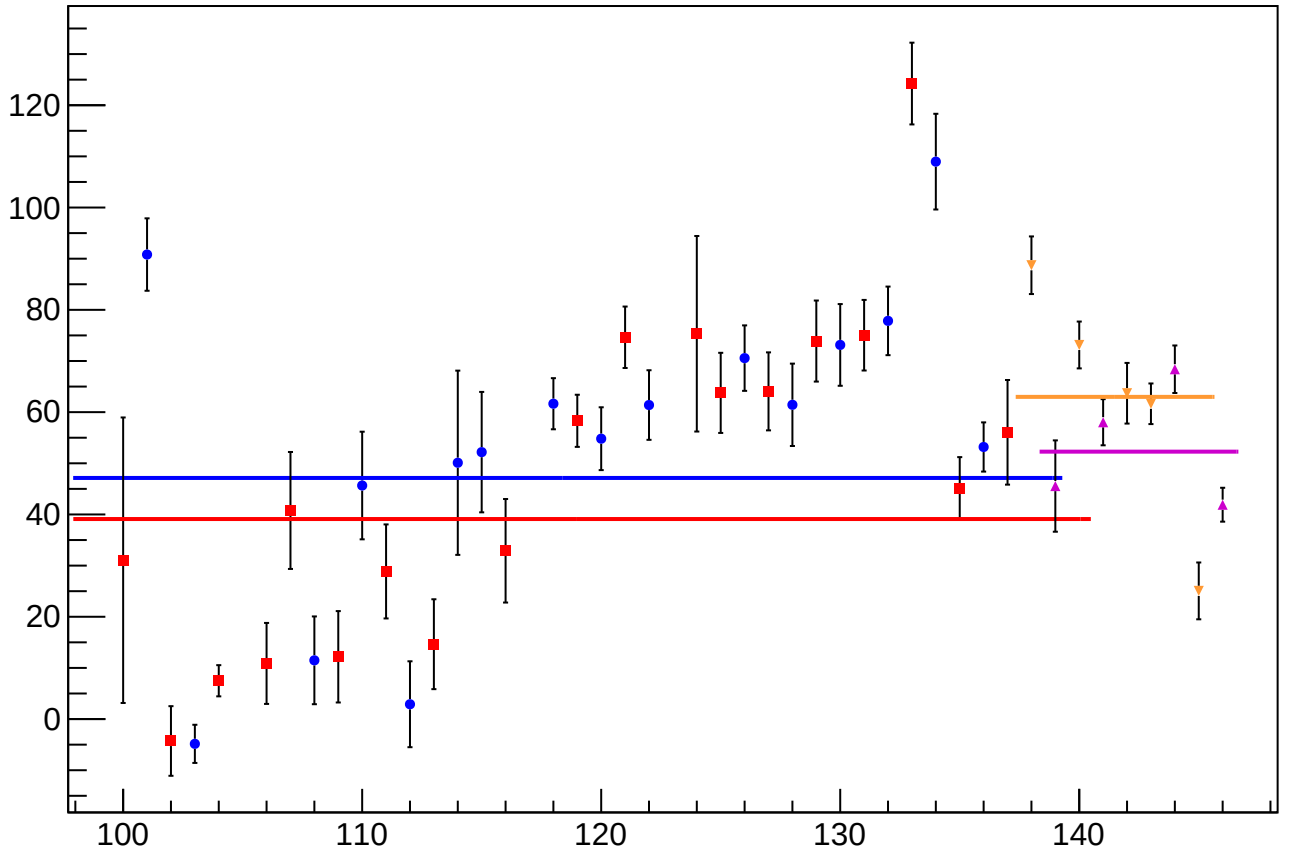
Left: 329.803+/-1.758 χ^2/NDF: 704.8/8

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 272.712+/-1.243 χ^2/NDF:16562.3/19

Out: 255.865+/-1.216 χ^2/NDF:16893.9/23

All: 264.101+/-0.869 χ^2/NDF: 33550.1/43



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 62.987+/-2.216 χ^2/NDF:72.5/4

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 52.278+/-2.240 χ^2/NDF:24.0/3

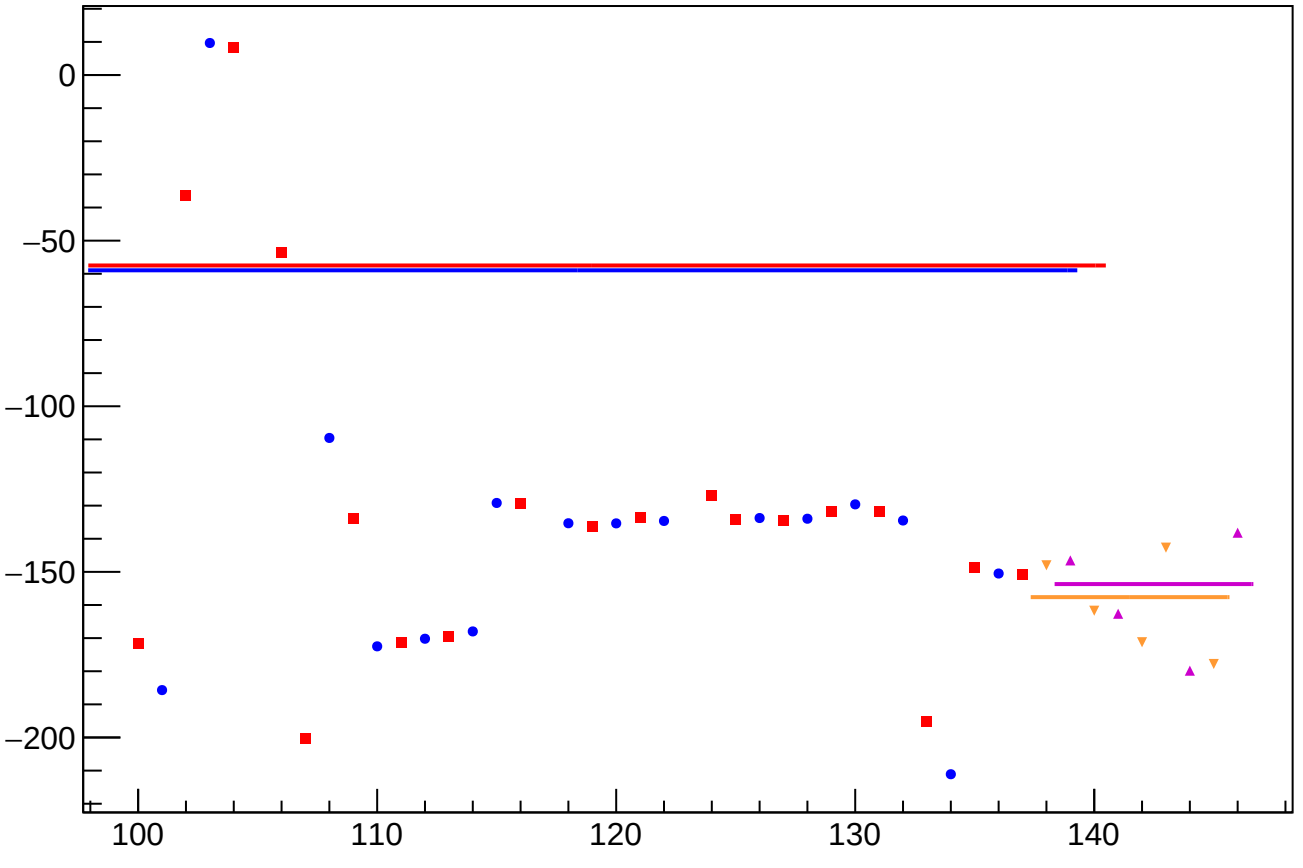
Left: 57.690+/-1.576 χ^2/NDF: 108.1/8

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 48.970+/-1.338 χ^2/NDF:412.8/19

Out: 47.259+/-1.295 χ^2/NDF:565.5/23

All: 48.087+/-0.930 χ^2/NDF: 979.1/43



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -157.628+/-0.101 χ^2/NDF:17443.1/4

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -153.682+/-0.105 χ^2/NDF:20723.3/3

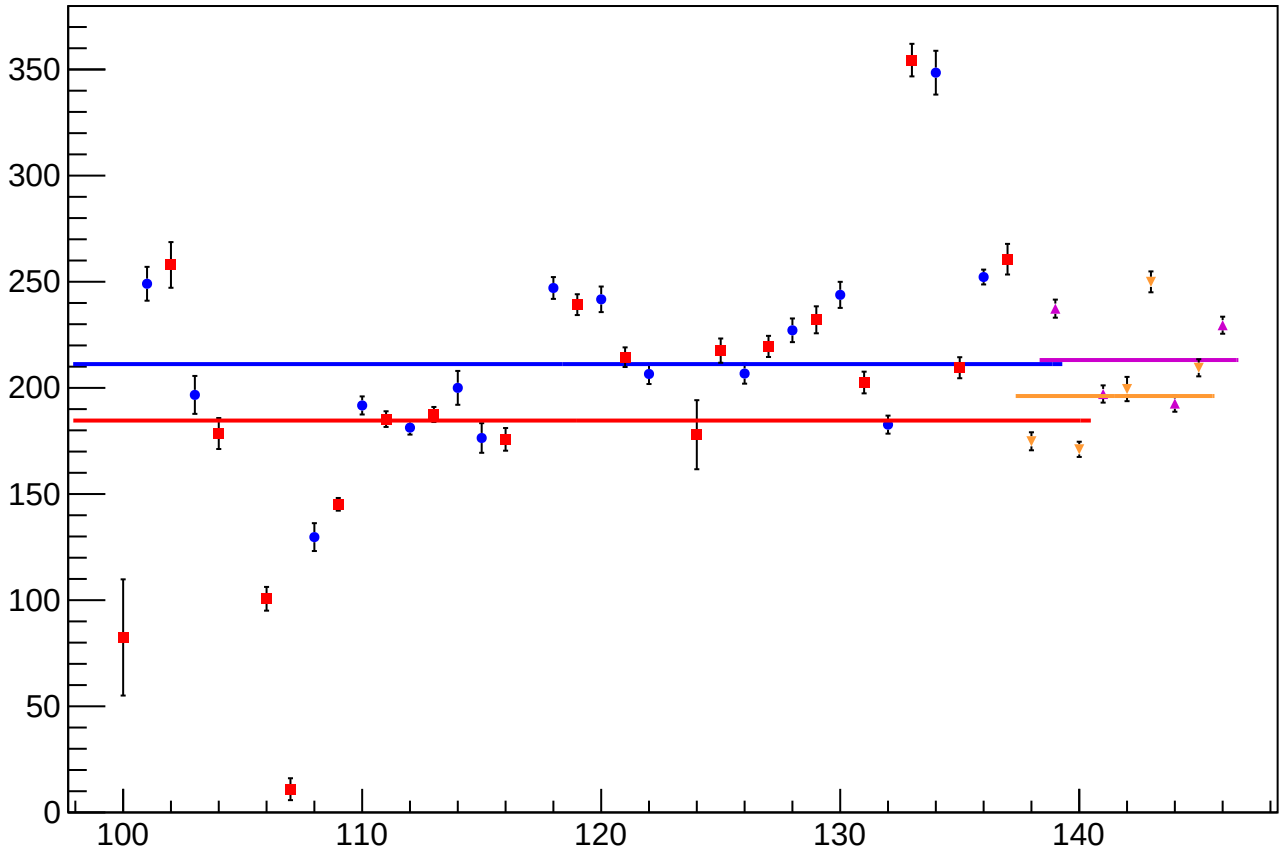
Left: -155.732+/-0.072 χ^2/NDF: 38905.7/8

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -89.764+/-0.060 χ^2/NDF:1801382.6/19

Out: -92.825+/-0.060 χ^2/NDF:1530206.5/23

All: -91.292+/-0.042 χ^2/NDF: 3332904.3/43



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 196.167+/-1.936 χ^2/NDF:204.9/4

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 213.127+/-2.019 χ^2/NDF:92.9/3

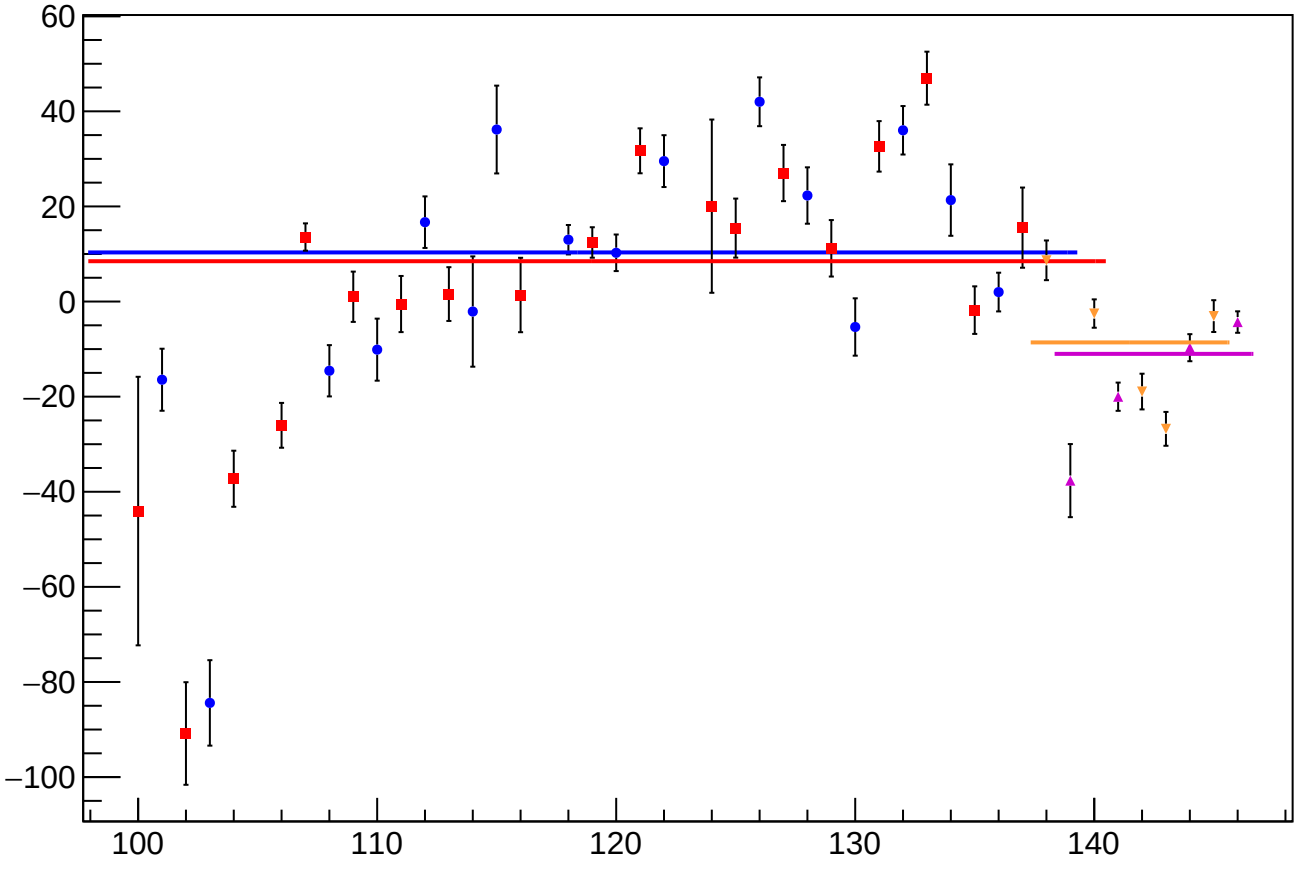
Left: 204.291+/-1.397 χ^2/NDF: 334.5/8

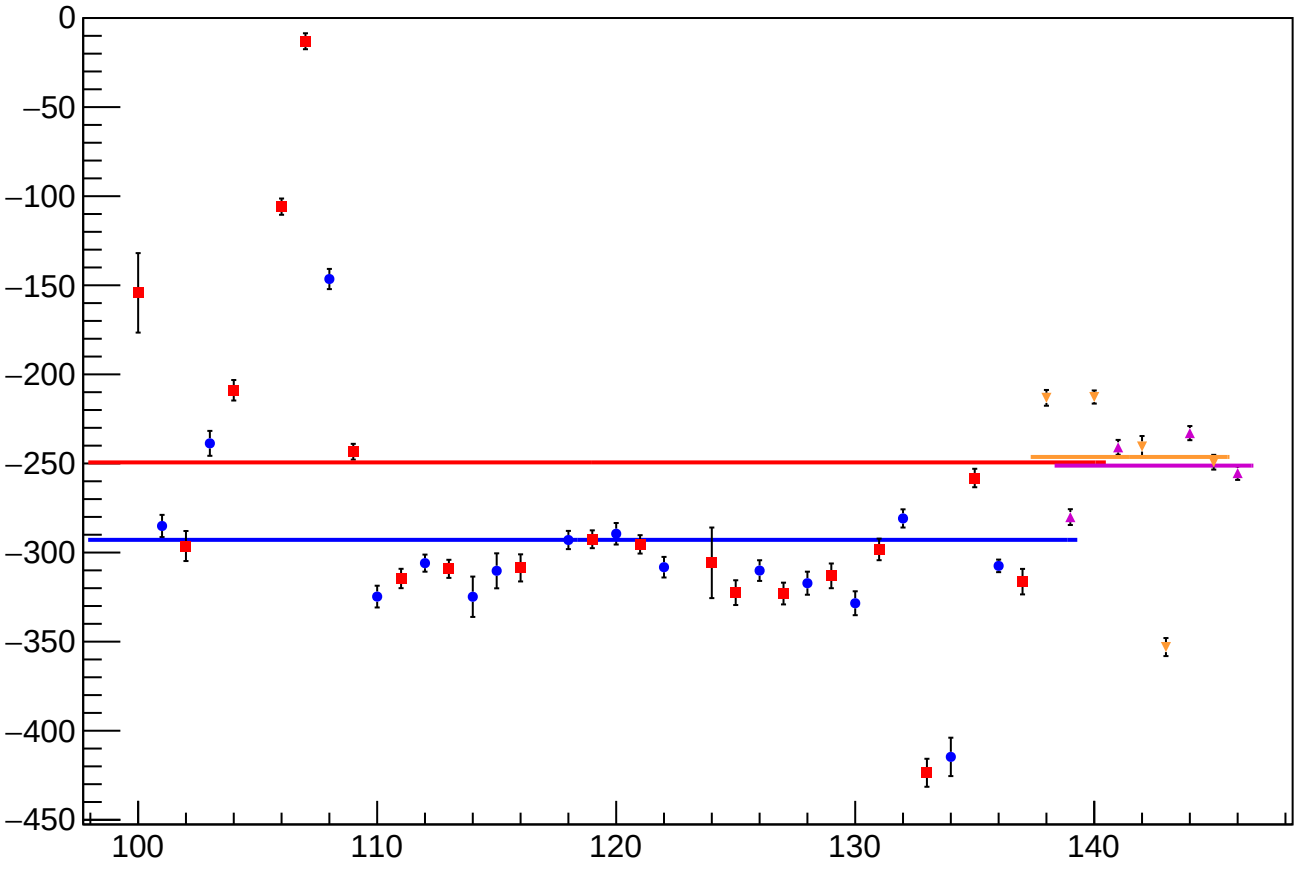
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 211.769+/-1.090 χ^2/NDF:876.5/19

Out: 187.797+/-1.016 χ^2/NDF:2771.0/23

All: 198.938+/-0.743 χ^2/NDF: 3906.2/43


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
Right In: 10.329+/-1.333 χ²/NDF: 263.3/15
Left Out: -8.595+/-1.564 χ²/NDF:57.6/4
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: -11.005+/-1.491 χ²/NDF:30.2/3
Left: -9.857+/-1.079 χ²/NDF: 89.1/8
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: 0.852+/-0.994 χ²/NDF:407.3/19
Out: 1.988+/-0.964 χ²/NDF:453.9/23
All: 1.437+/-0.692 χ²/NDF: 861.9/43



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -246.341+/-1.997 χ^2/NDF:585.0/4

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -251.211+/-2.042 χ^2/NDF:70.8/3

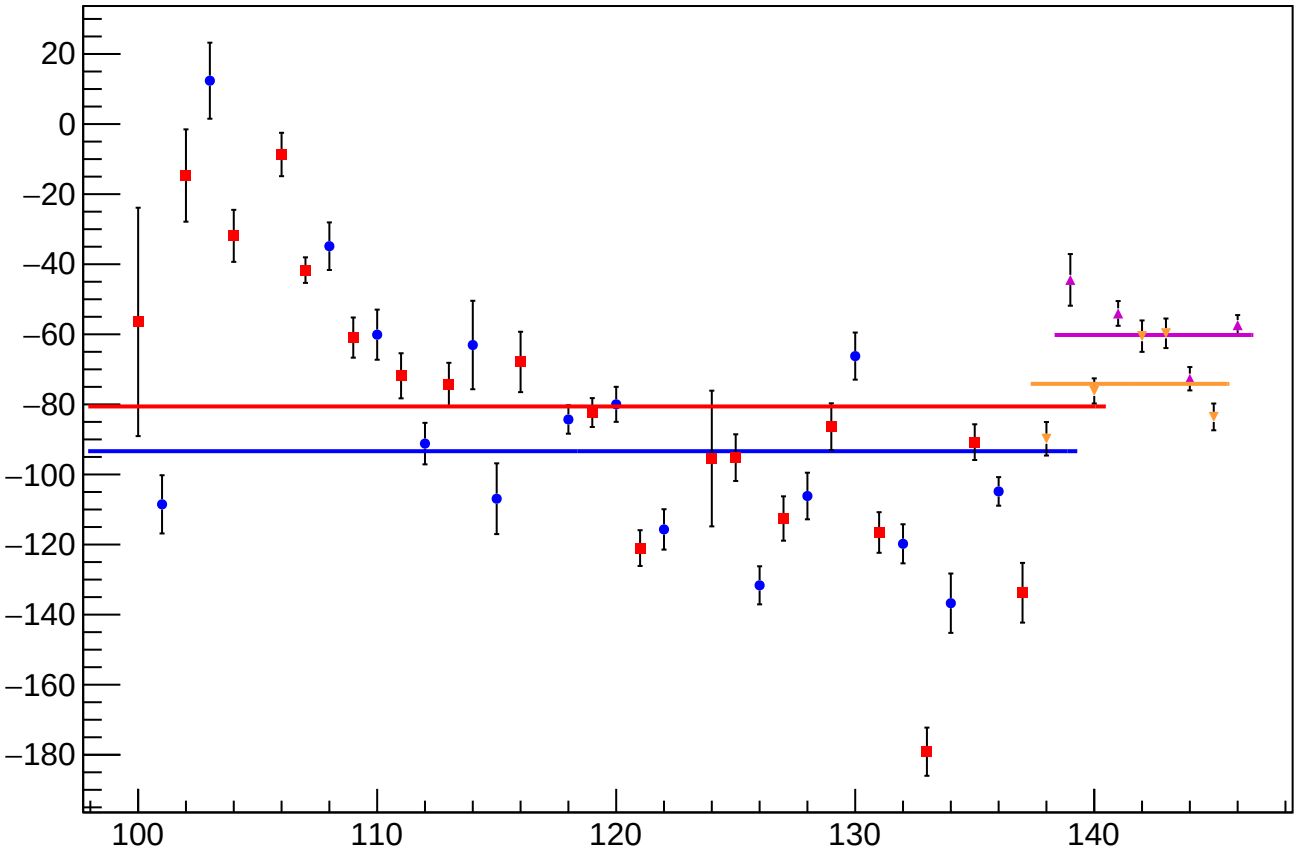
Left: -248.721+/-1.428 χ^2/NDF: 658.7/8

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -278.686+/-1.192 χ^2/NDF:1328.7/19

Out: -248.427+/-1.129 χ^2/NDF:5955.1/23

All: -262.737+/-0.820 χ^2/NDF: 7623.6/43



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -74.140+/-1.838 χ^2/NDF:38.1/4

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -60.192+/-1.797 χ^2/NDF:22.6/3

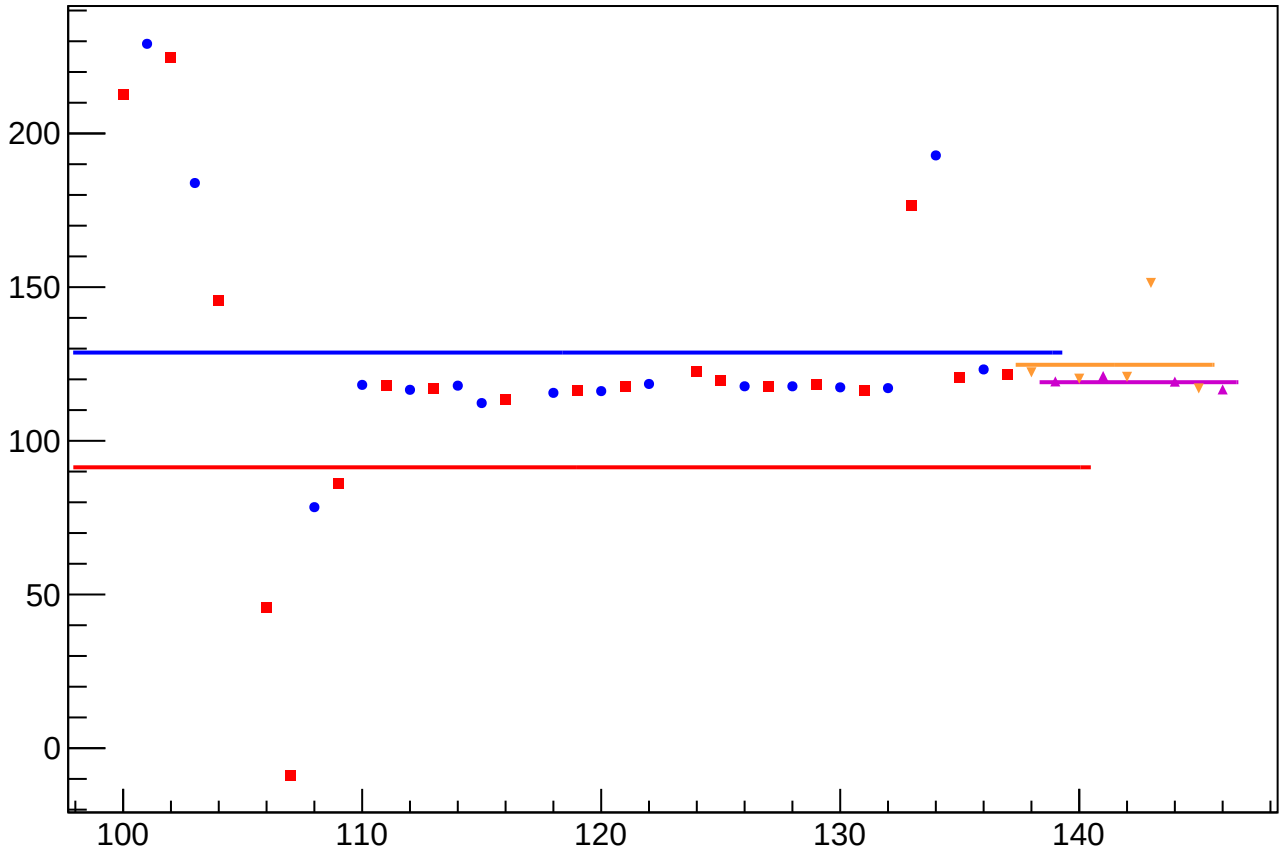
Left: -67.008+/-1.285 χ^2/NDF: 90.1/8

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -79.370+/-1.167 χ^2/NDF:574.9/19

Out: -78.171+/-1.126 χ^2/NDF:761.1/23

All: -78.749+/-0.810 χ^2/NDF: 1336.6/43



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 124.740+/-0.083 χ^2/NDF:19322.4/4

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 119.074+/-0.084 χ^2/NDF:344.0/3

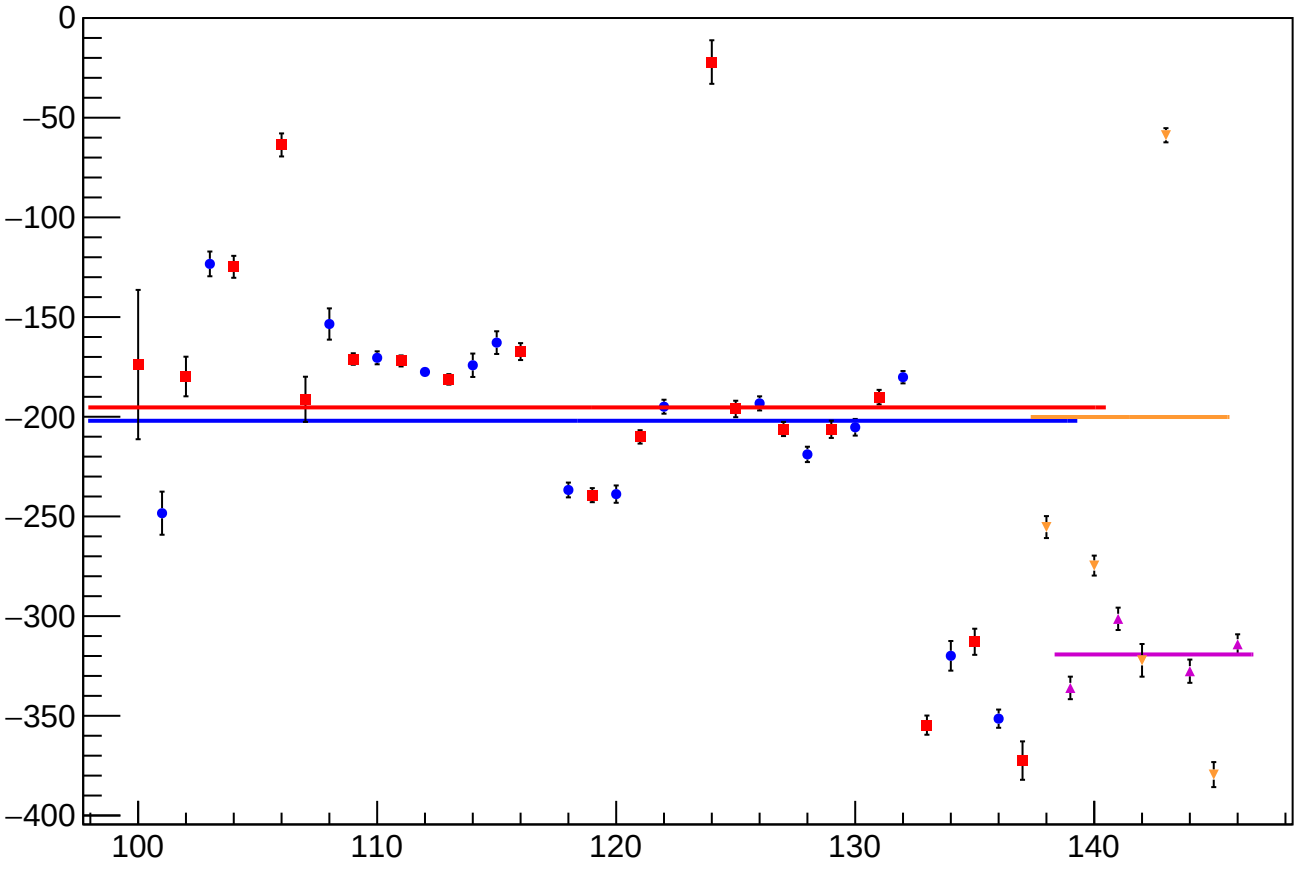
Left: 121.936+/-0.059 χ^2/NDF: 21975.2/8

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 123.597+/-0.061 χ^2/NDF:190076.9/19

Out: 107.263+/-0.057 χ^2/NDF:708965.3/23

All: 114.902+/-0.042 χ^2/NDF: 937143.6/43



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -200.134+/-2.282 χ^2/NDF:2937.8/4

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -319.229+/-2.745 χ^2/NDF:22.1/3

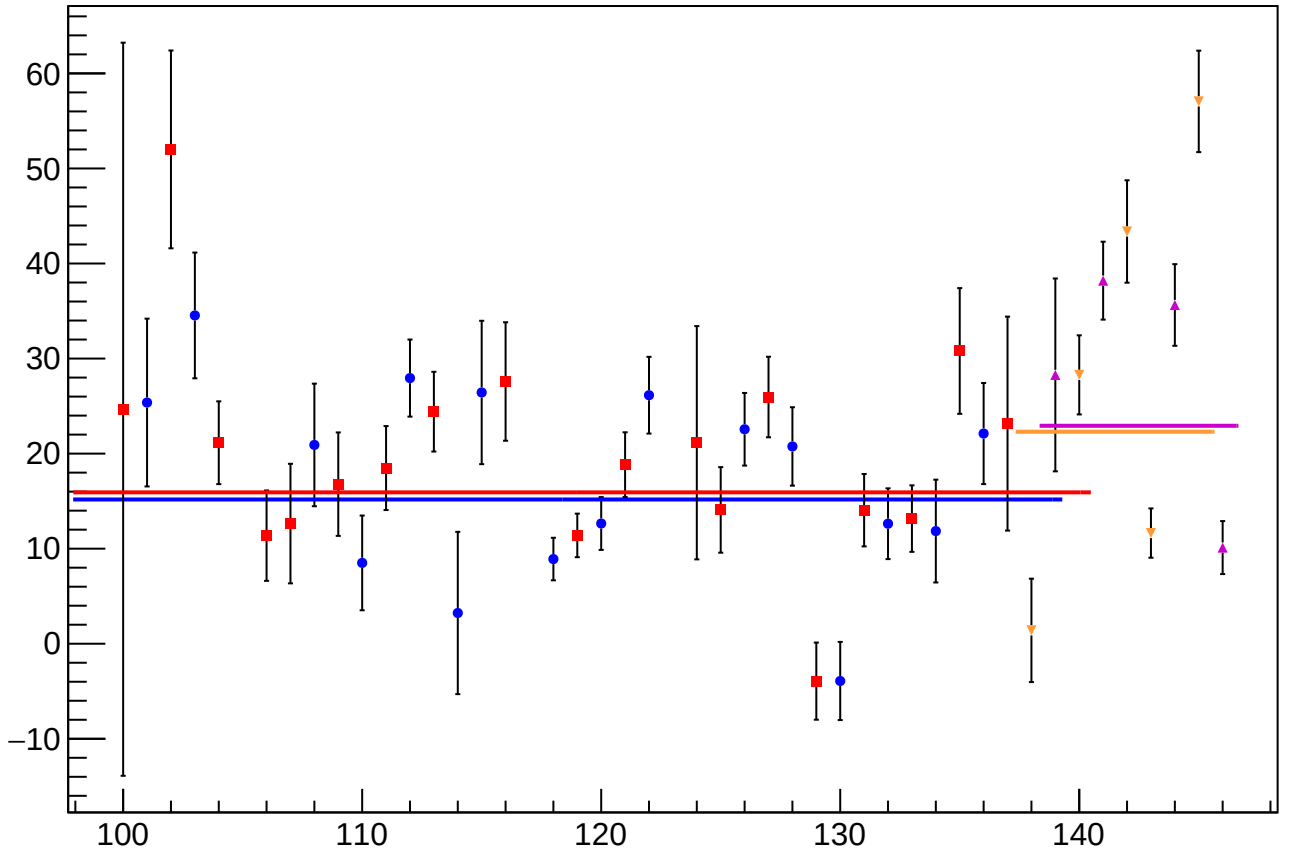
Left: -248.786+/-1.755 χ^2/NDF: 4072.9/8

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -216.336+/-0.959 χ^2/NDF:3662.5/19

Out: -196.054+/-0.896 χ^2/NDF:6042.2/23

All: -205.501+/-0.655 χ^2/NDF: 9943.5/43



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 22.303+/-1.797 χ^2/NDF:91.4/4

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 22.930+/-1.991 χ^2/NDF:44.1/3

Left: 22.584+/-1.334 χ^2/NDF: 135.5/8

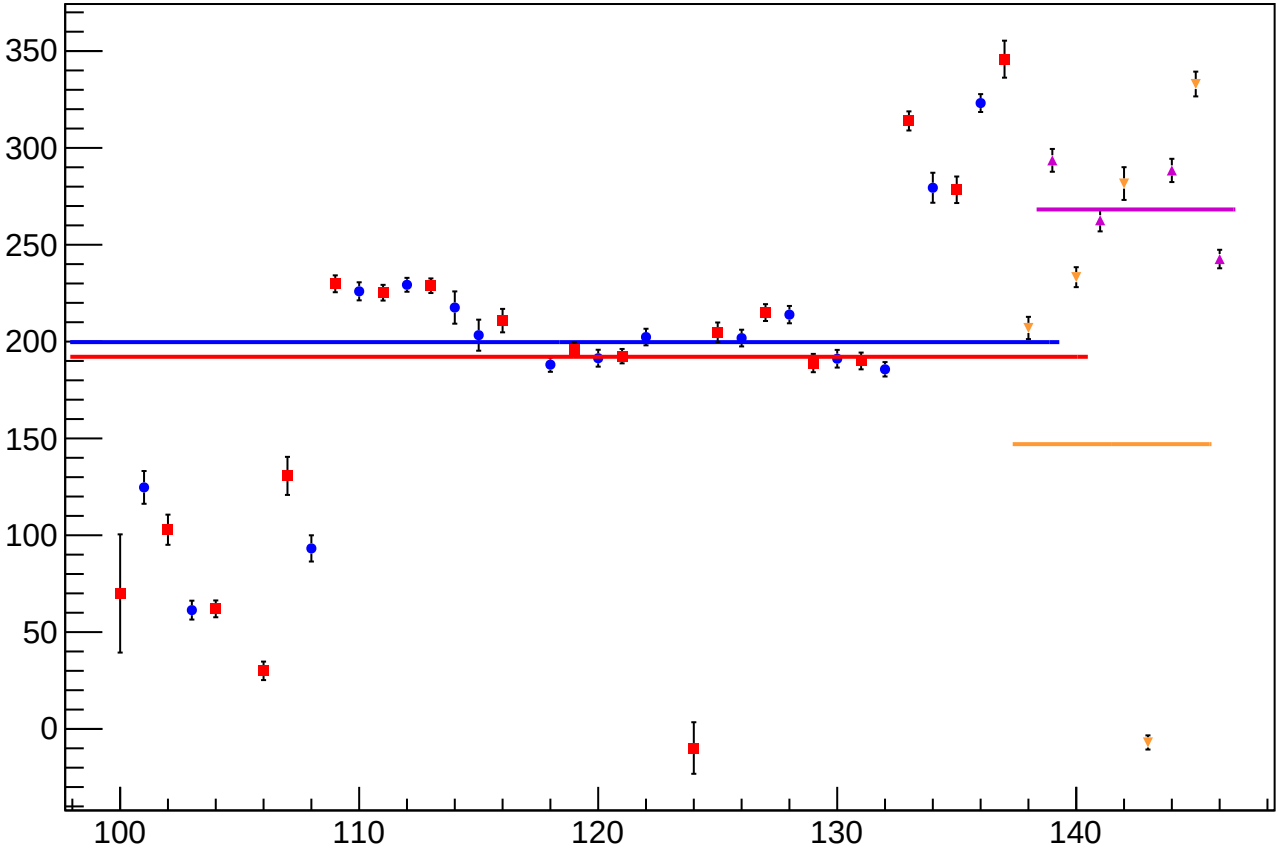
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 16.857+/-0.927 χ^2/NDF:128.3/19

Out: 17.518+/-0.898 χ^2/NDF:164.4/23

All: 17.198+/-0.645 χ^2/NDF: 293.0/43

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: 147.045+/-2.350 χ^2/NDF:3258.8/4

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 268.219+/-2.767 χ^2/NDF:59.5/3

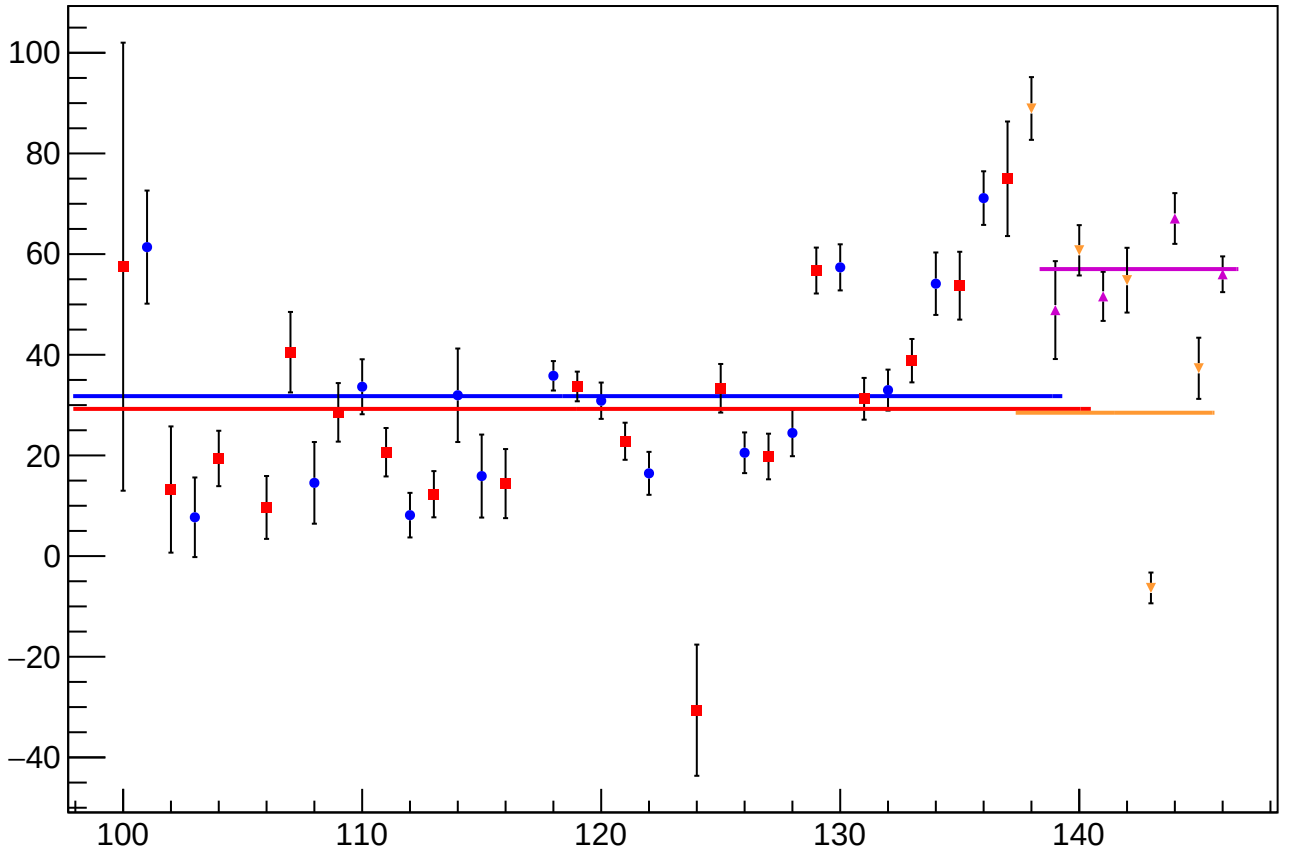
Left: 197.827+/-1.791 χ^2/NDF: 4432.7/8

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 210.503+/-1.098 χ^2/NDF:2677.6/19

Out: 183.434+/-1.033 χ^2/NDF:7333.2/23

All: 196.152+/-0.752 χ^2/NDF: 10333.3/43



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 28.484+/-2.114 χ^2/NDF:284.1/4

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 57.026+/-2.417 χ^2/NDF:6.0/3

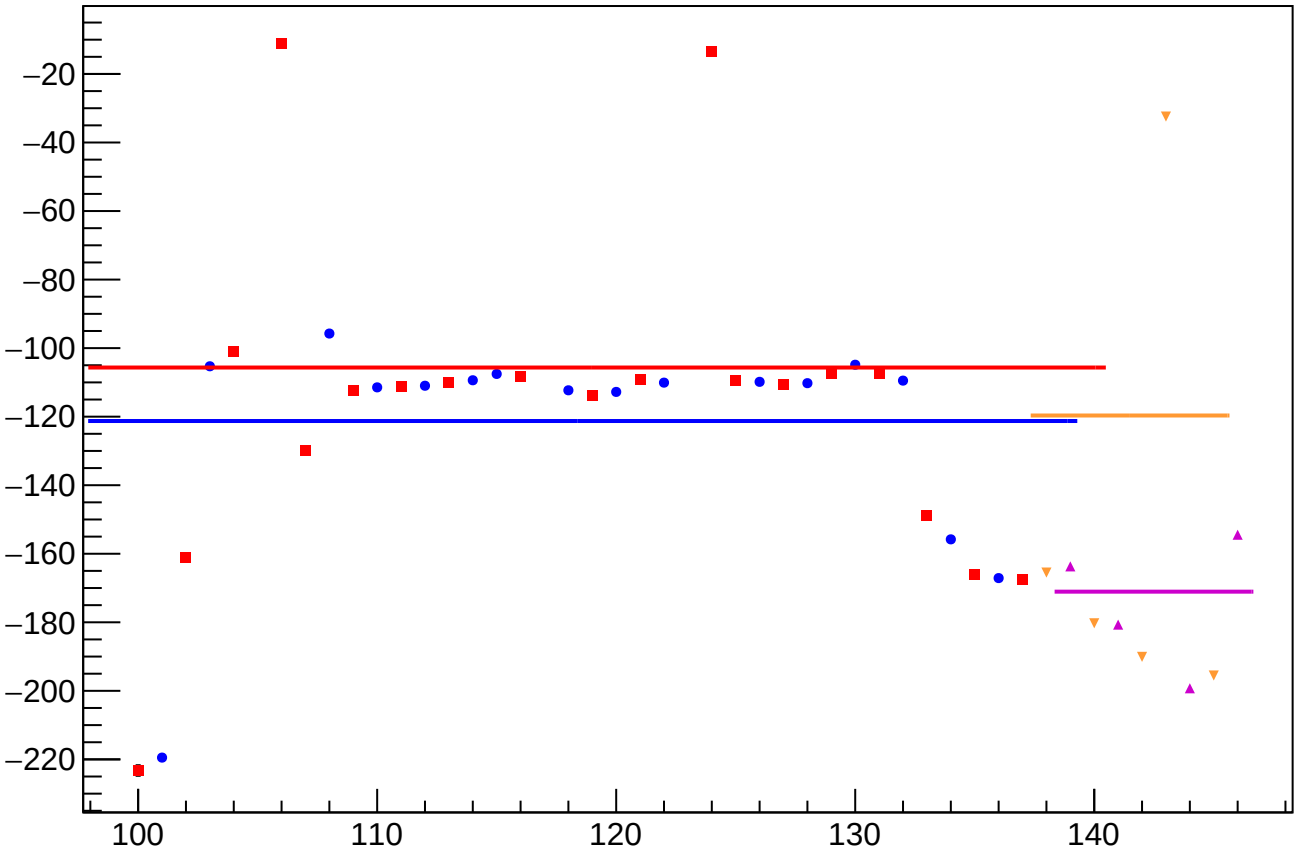
Left: 40.853+/-1.591 χ^2/NDF: 369.1/8

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 36.885+/-1.087 χ^2/NDF:270.0/19

Out: 29.060+/-1.041 χ^2/NDF:425.1/23

All: 32.806+/-0.752 χ^2/NDF: 722.1/43



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -119.659+/-0.098 χ^2/NDF:569513.0/4

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -171.061+/-0.113 χ^2/NDF:20416.8/3

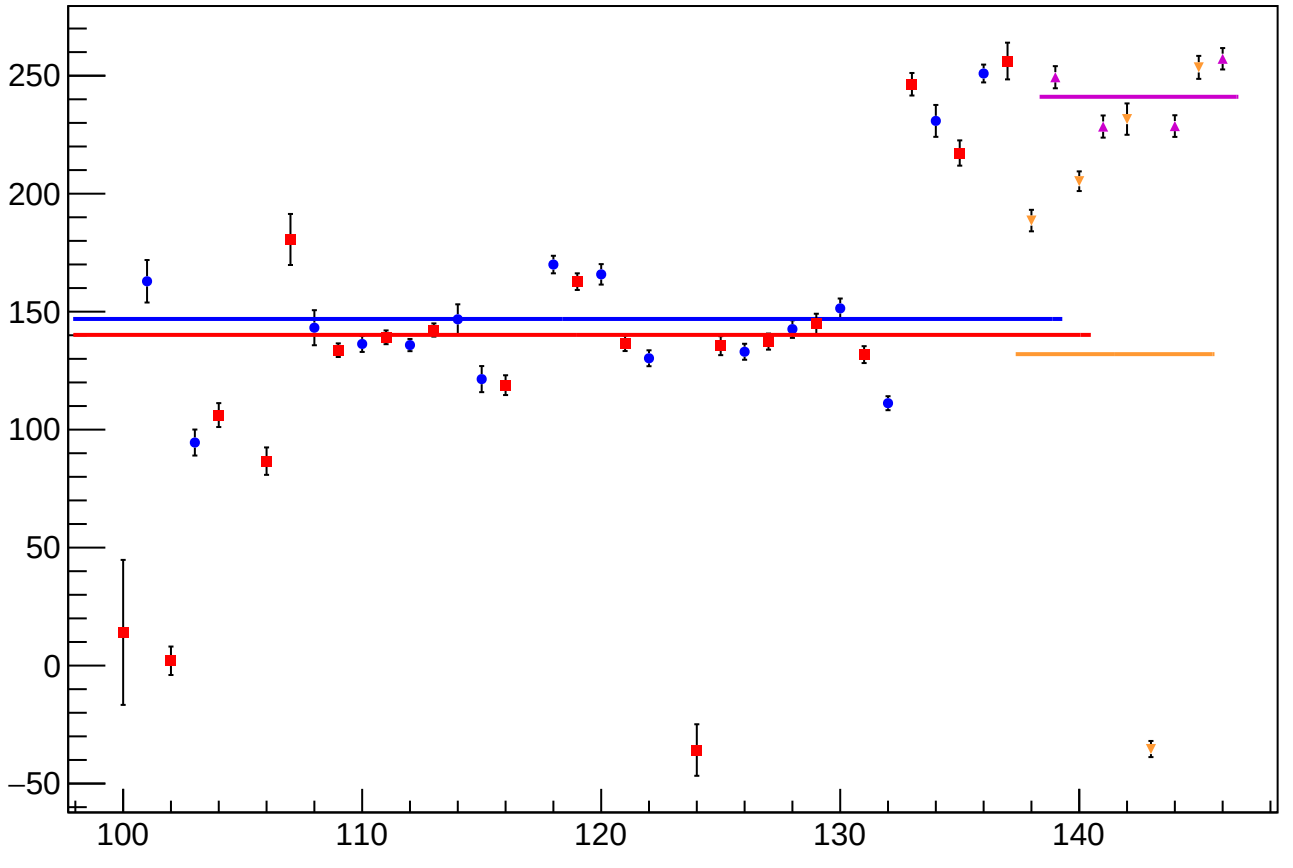
Left: -141.611+/-0.074 χ^2/NDF: 708333.4/8

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -137.663+/-0.065 χ^2/NDF:269888.4/19

Out: -110.831+/-0.059 χ^2/NDF:937576.3/23

All: -123.049+/-0.044 χ^2/NDF: 1300617.9/43



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 131.994+/-1.976 χ^2/NDF:3706.8/4

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 241.068+/-2.313 χ^2/NDF:30.3/3

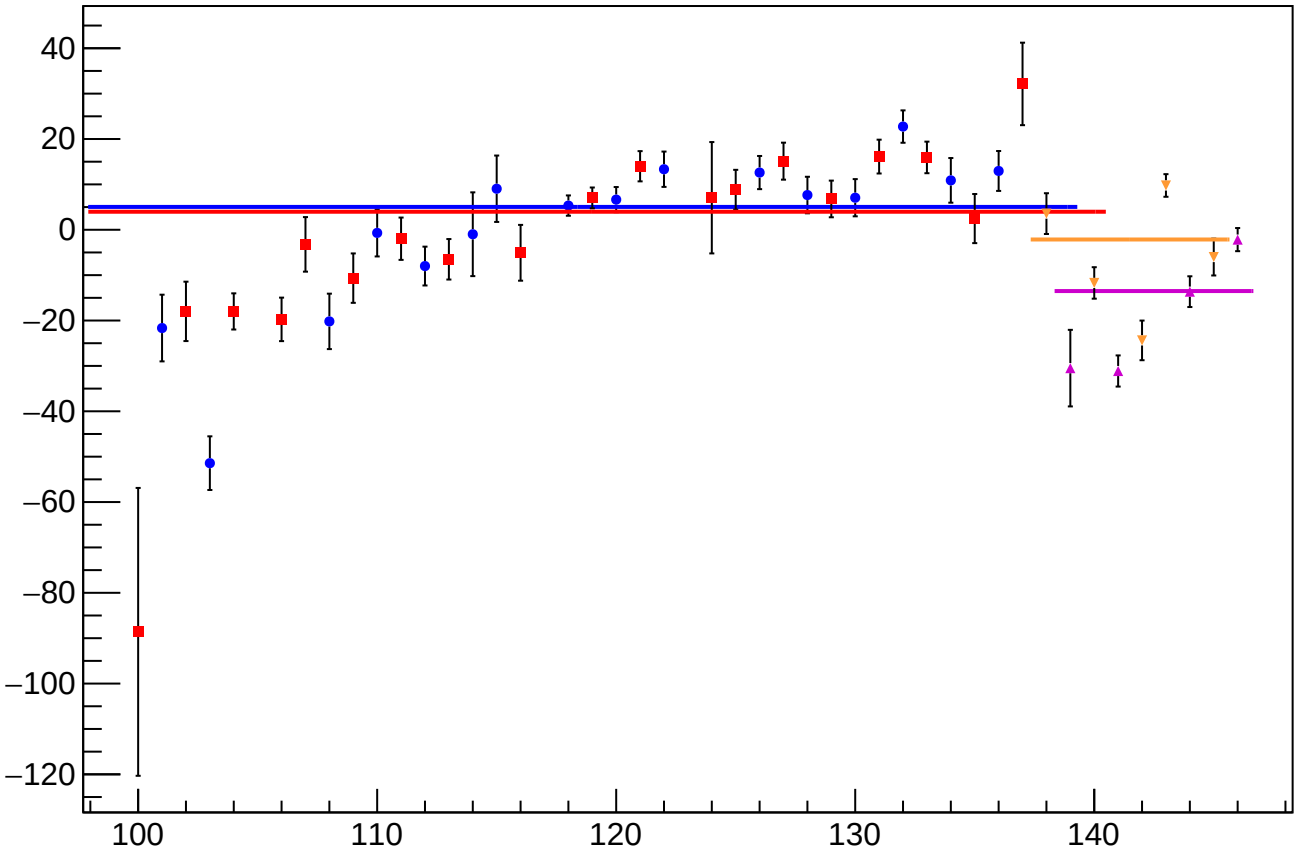
Left: 178.025+/-1.503 χ^2/NDF: 5022.5/8

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 161.818+/-0.920 χ^2/NDF:2727.3/19

Out: 138.595+/-0.864 χ^2/NDF:5671.1/23

All: 149.467+/-0.630 χ^2/NDF: 8737.0/43



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -2.143+/-1.568 χ^2/NDF:58.8/4

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -13.505+/-1.715 χ^2/NDF:50.2/3

Left: -7.316+/-1.157 χ^2/NDF: 132.9/8

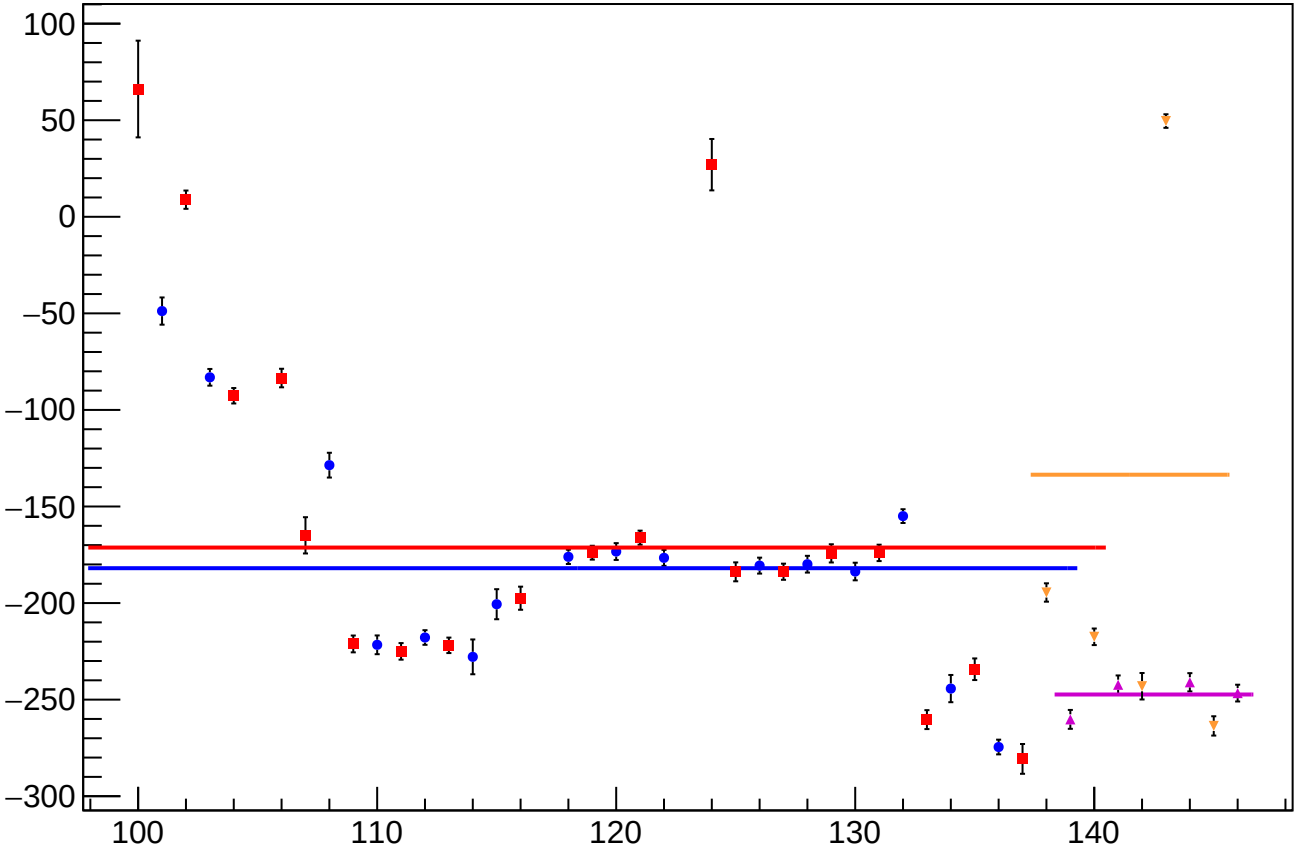
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 0.188+/-0.877 χ^2/NDF:308.3/19

Out: 2.176+/-0.850 χ^2/NDF:214.5/23

All: 1.213+/-0.611 χ^2/NDF: 525.4/43

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -133.542+/-2.038 χ^2/NDF:4192.5/4

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -247.343+/-2.339 χ^2/NDF:9.9/3

Left: -182.641+/-1.536 χ^2/NDF: 5548.3/8

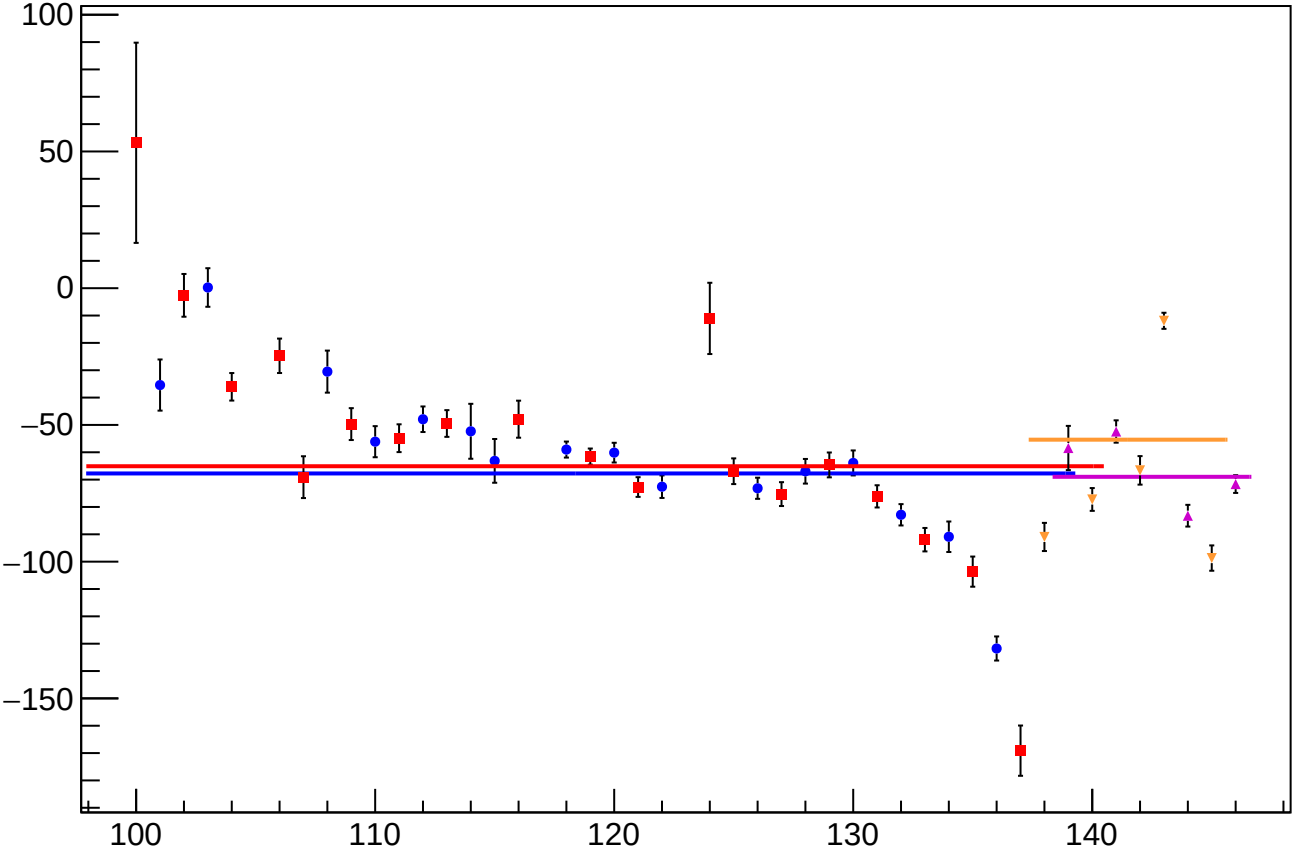
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -194.749+/-1.035 χ^2/NDF:2509.0/19

Out: -162.616+/-0.975 χ^2/NDF:8084.8/23

All: -177.734+/-0.710 χ^2/NDF: 11104.3/43

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: -55.395+/-1.843 χ^2/NDF:385.9/4

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -68.974+/-2.069 χ^2/NDF:31.6/3

Left: -61.404+/-1.376 χ^2/NDF: 441.6/8

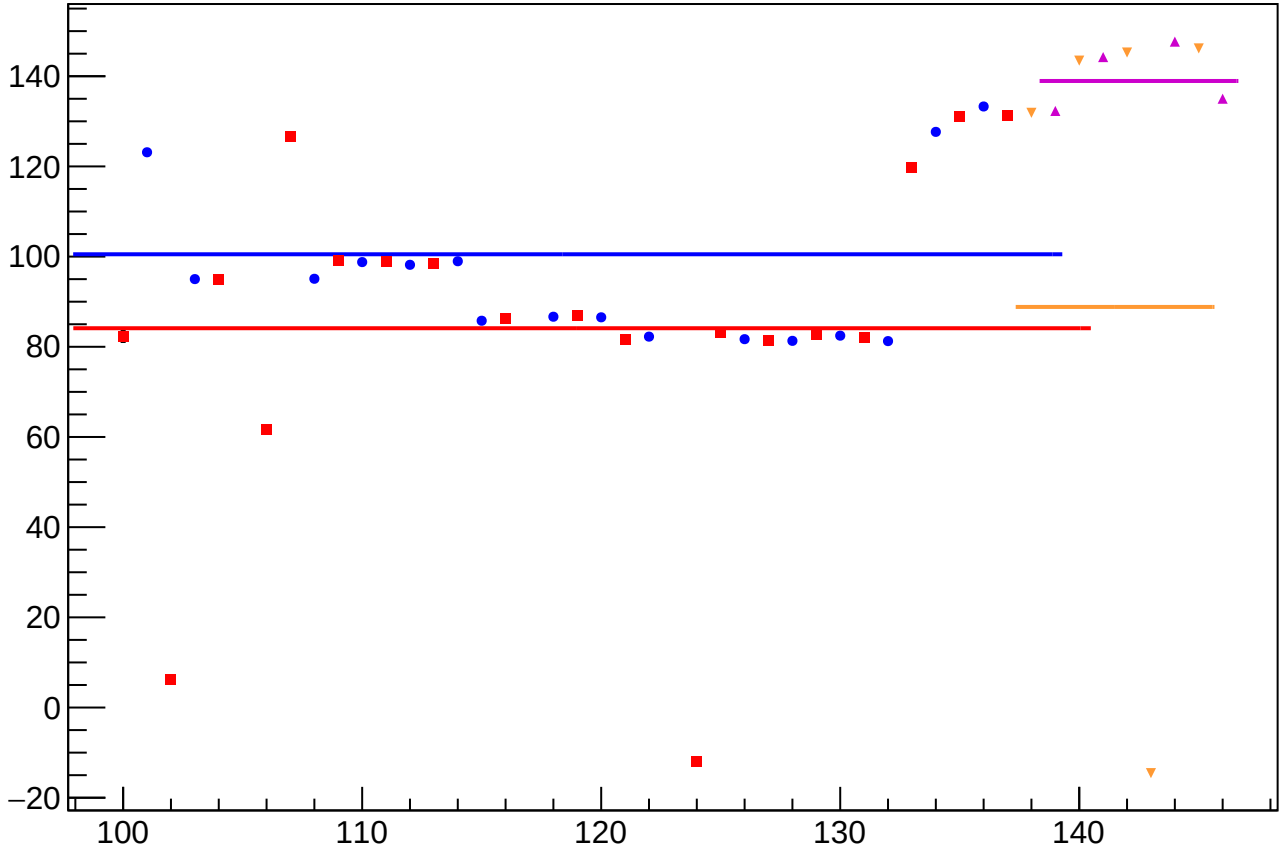
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -68.047+/-1.026 χ^2/NDF:445.9/19

Out: -62.327+/-0.986 χ^2/NDF:834.8/23

All: -65.074+/-0.711 χ^2/NDF: 1296.9/43

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 88.838+/-0.085 χ^2/NDF:758227.9/4

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 138.947+/-0.096 χ^2/NDF:4319.2/3

Left: 110.846+/-0.063 χ^2/NDF: 916815.9/8

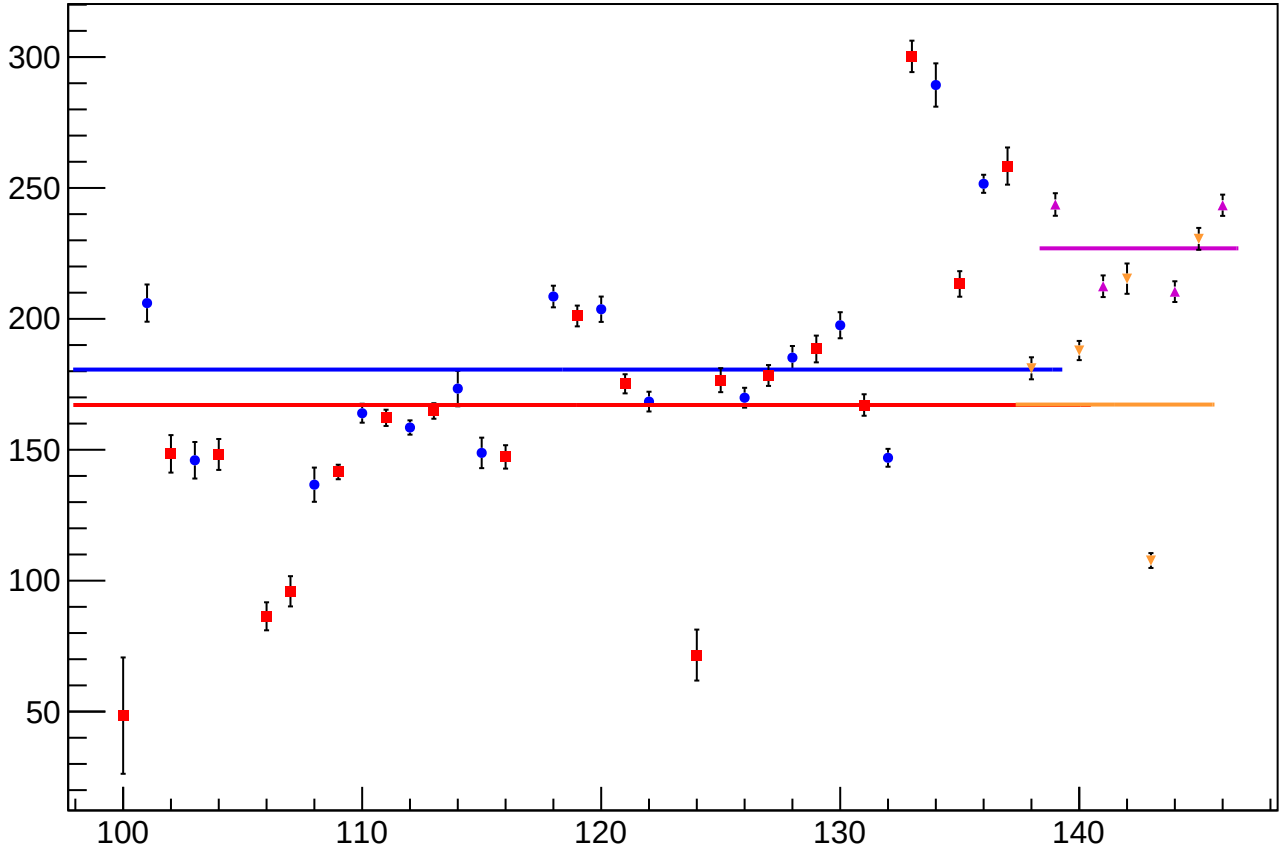
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 114.918+/-0.058 χ^2/NDF:172950.1/19

Out: 86.011+/-0.054 χ^2/NDF:1023884.9/23

All: 99.194+/-0.039 χ^2/NDF: 1329722.8/43

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: 167.266+/-1.710 χ^2/NDF:780.2/4

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 226.936+/-2.055 χ^2/NDF:61.2/3

Left: 191.683+/-1.315 χ^2/NDF: 1339.5/8

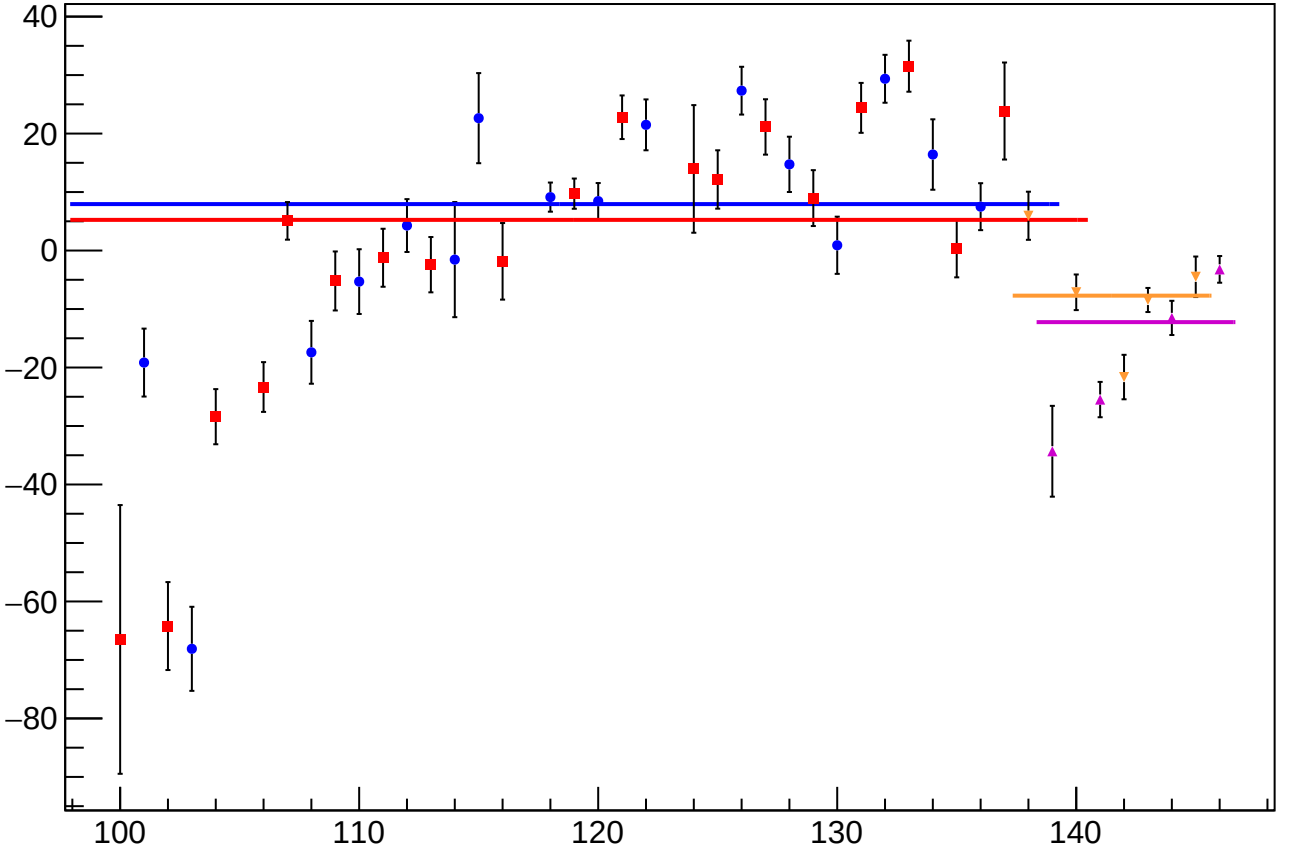
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 190.794+/-0.963 χ^2/NDF:1450.9/19

Out: 167.145+/-0.877 χ^2/NDF:2264.7/23

All: 177.865+/-0.648 χ^2/NDF: 4045.6/43

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.712+/-1.342 χ^2/NDF:25.5/4

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

Left: -9.702+/-1.005 χ^2/NDF: 73.4/8

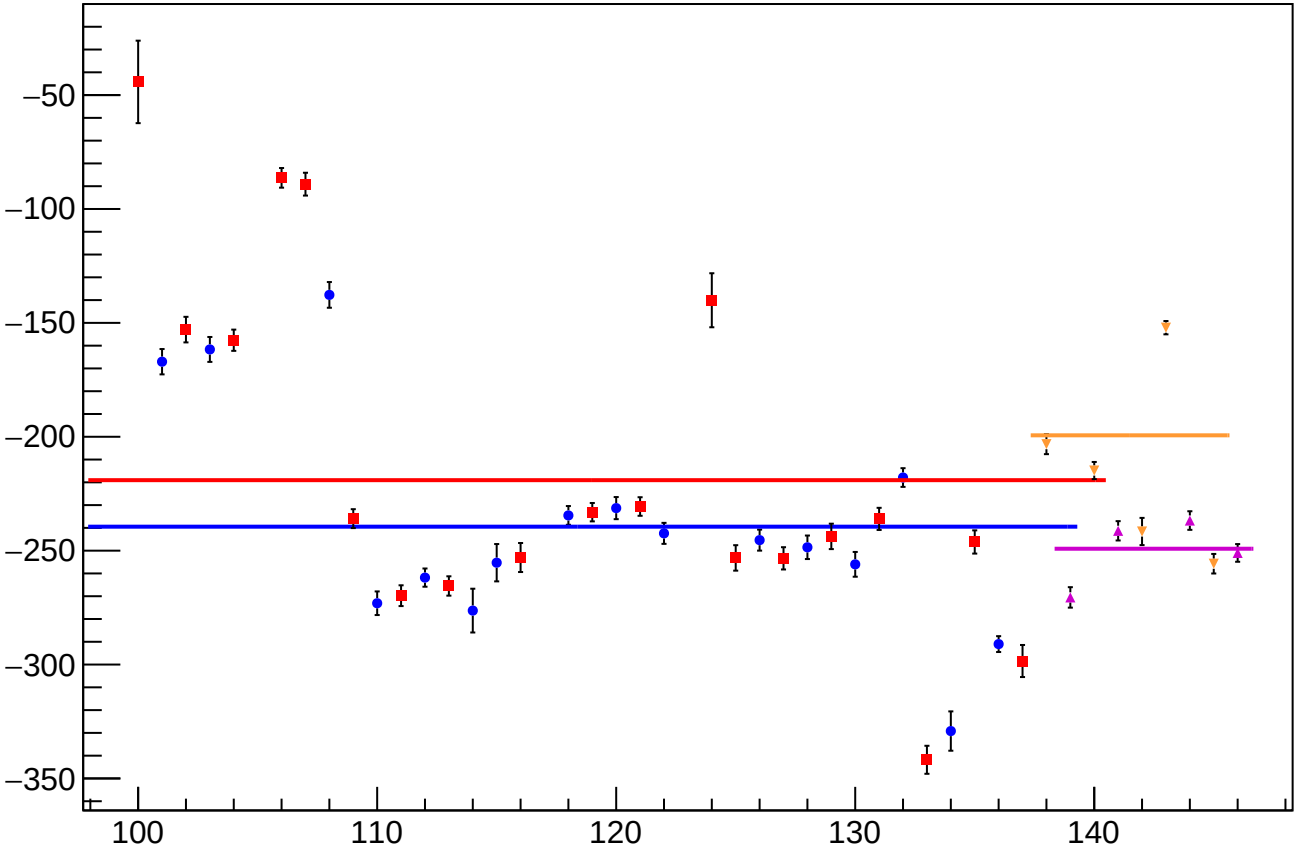
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 0.871+/-0.897 χ^2/NDF:391.0/19

Out: 0.256+/-0.833 χ^2/NDF:385.7/23

All: 0.541+/-0.610 χ^2/NDF: 777.0/43

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: -199.365+/-1.763 χ^2/NDF:501.5/4

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -249.153+/-2.078 χ^2/NDF:35.5/3

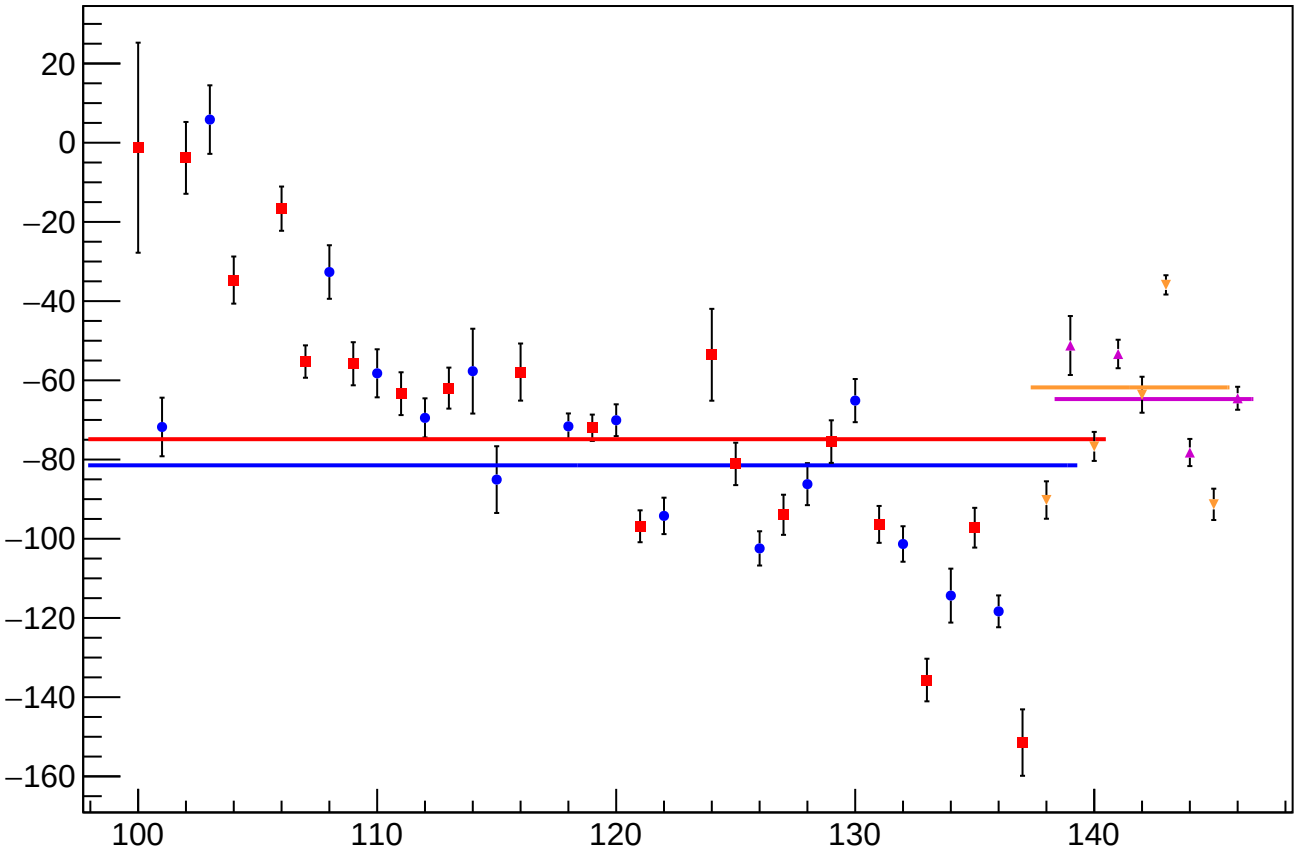
Left: -220.199+/-1.344 χ^2/NDF: 870.7/8

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.027+/-1.068 χ^2/NDF:1213.7/19

Out: -212.988+/-0.978 χ^2/NDF:3637.0/23

All: -226.236+/-0.722 χ^2/NDF: 5252.6/43



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -61.784+/-1.581 χ^2/NDF:221.5/4

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

Left: -63.044+/-1.196 χ^2/NDF: 251.8/8

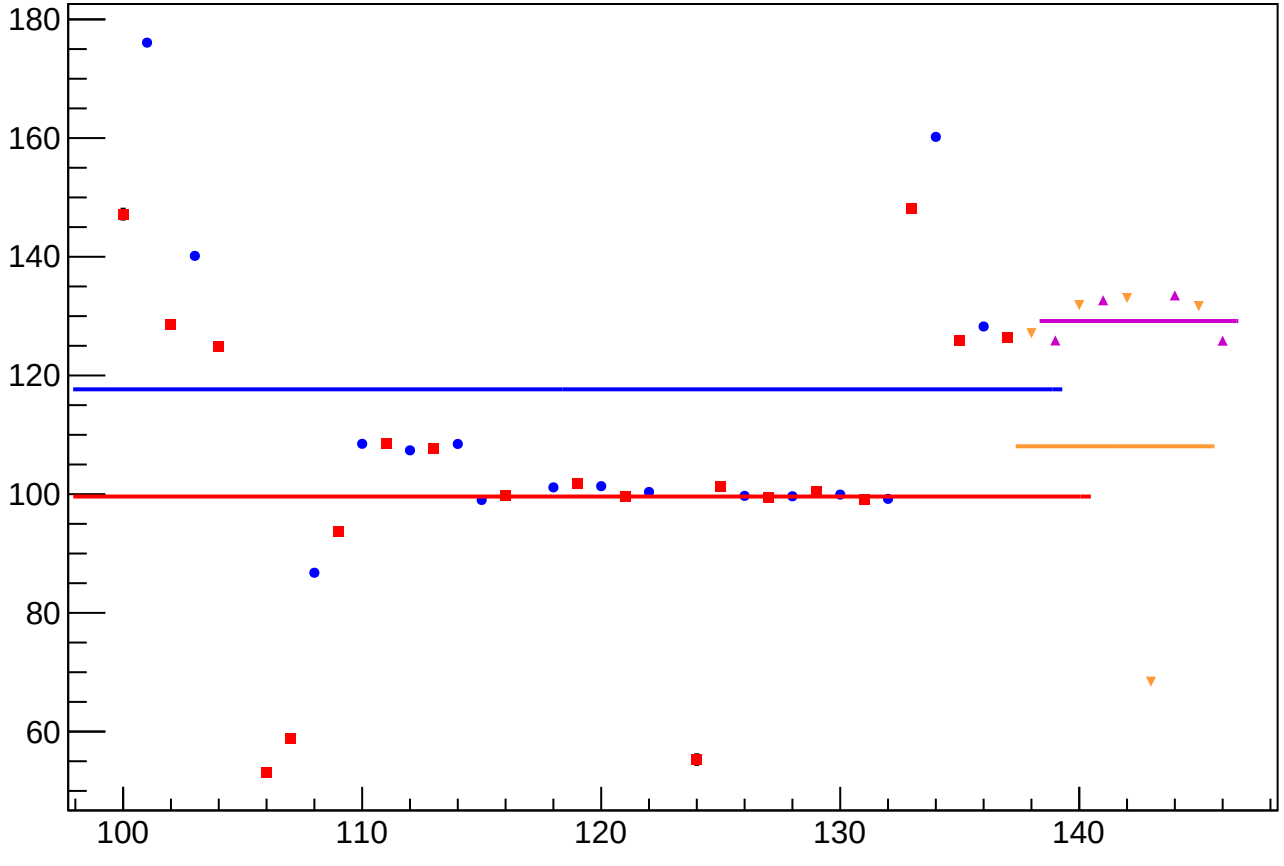
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -75.918+/-1.052 χ^2/NDF:451.3/19

Out: -69.929+/-0.971 χ^2/NDF:840.8/23

All: -72.683+/-0.714 χ^2/NDF: 1309.6/43

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: 108.067+/-0.073 χ^2/NDF:167652.8/4

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.178+/-0.085 χ^2/NDF:1773.8/3

Left: 117.044+/-0.056 χ^2/NDF: 204700.0/8

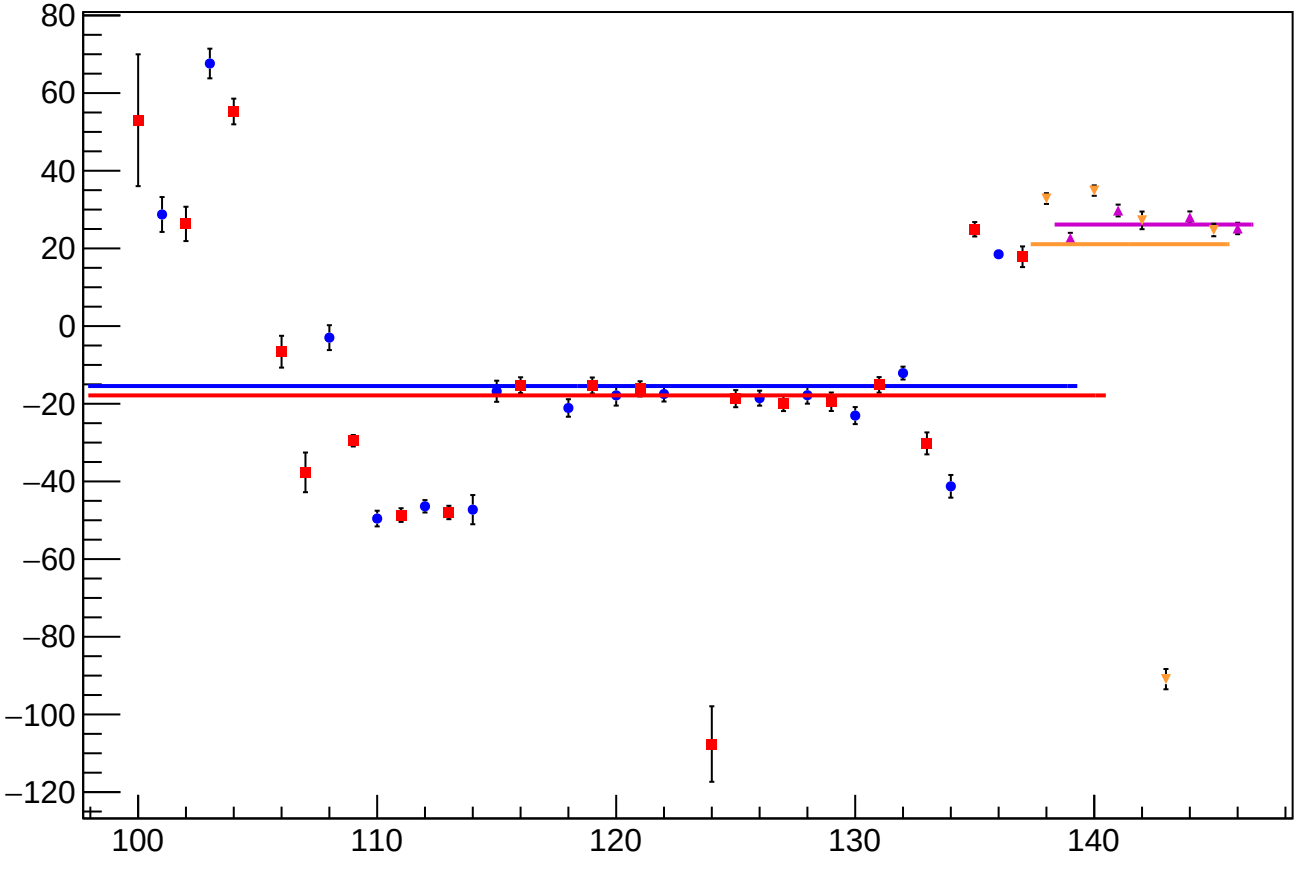
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.932+/-0.058 χ^2/NDF:107071.5/19

Out: 103.659+/-0.051 χ^2/NDF:340830.6/23

All: 112.073+/-0.038 χ^2/NDF: 510898.7/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 21.085+/-0.744 χ^2/NDF:2028.3/4

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.149+/-0.732 χ^2/NDF:14.2/3

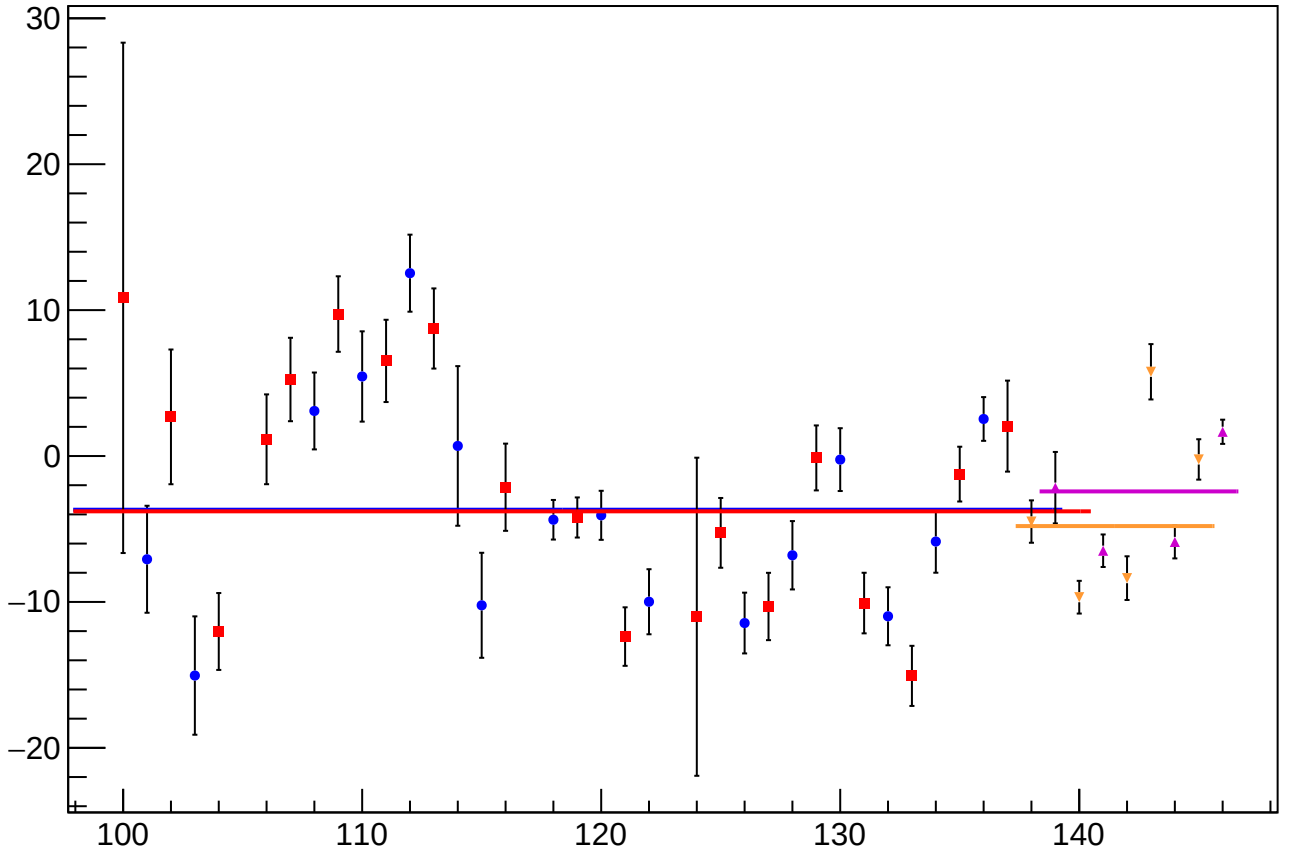
Left: 23.660+/-0.522 χ^2/NDF: 2066.1/8

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: -0.805+/-0.434 χ^2/NDF:4232.8/19

Out: -4.756+/-0.431 χ^2/NDF:5970.5/23

All: -2.792+/-0.306 χ^2/NDF: 10245.0/43



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -4.801+/-0.630 χ^2/NDF:66.6/4

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -2.425+/-0.558 χ^2/NDF:47.0/3

Left: -3.469+/-0.418 χ^2/NDF: 121.5/8

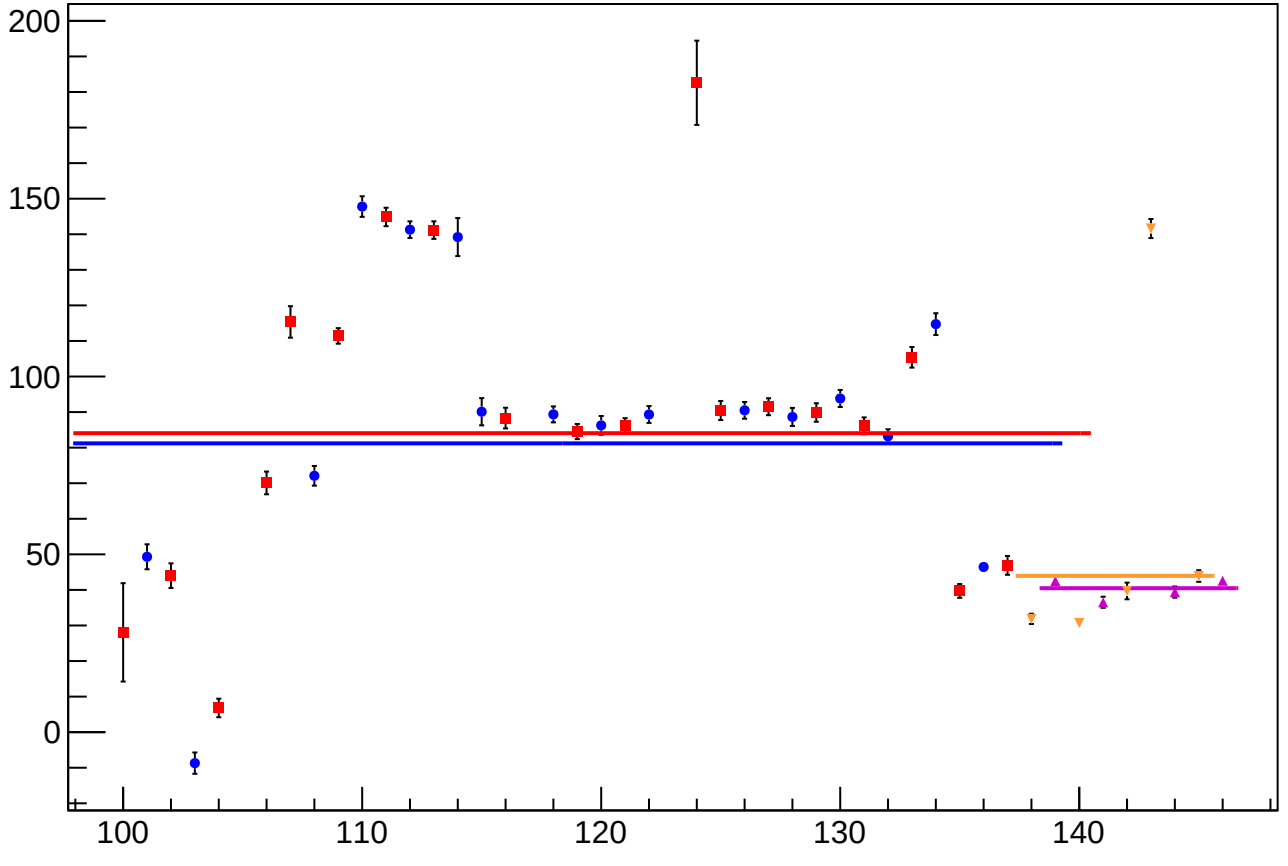
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.059+/-0.392 χ^2/NDF:173.5/19

Out: -4.239+/-0.420 χ^2/NDF:229.2/23

All: -3.609+/-0.287 χ^2/NDF: 407.0/43

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: 43.951+/-0.767 χ^2/NDF:1486.8/4

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.482+/-0.741 χ^2/NDF:11.2/3

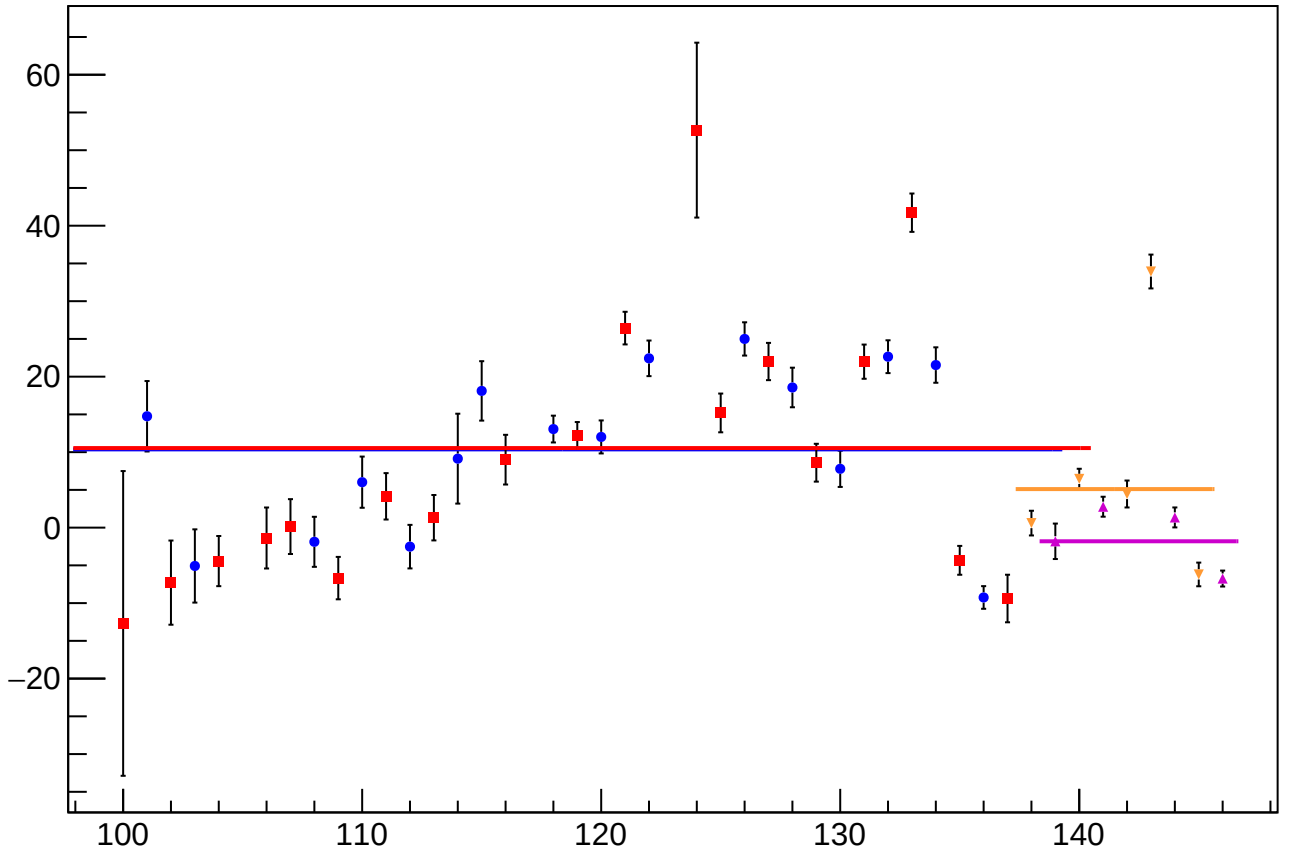
Left: 42.157+/-0.533 χ^2/NDF: 1508.6/8

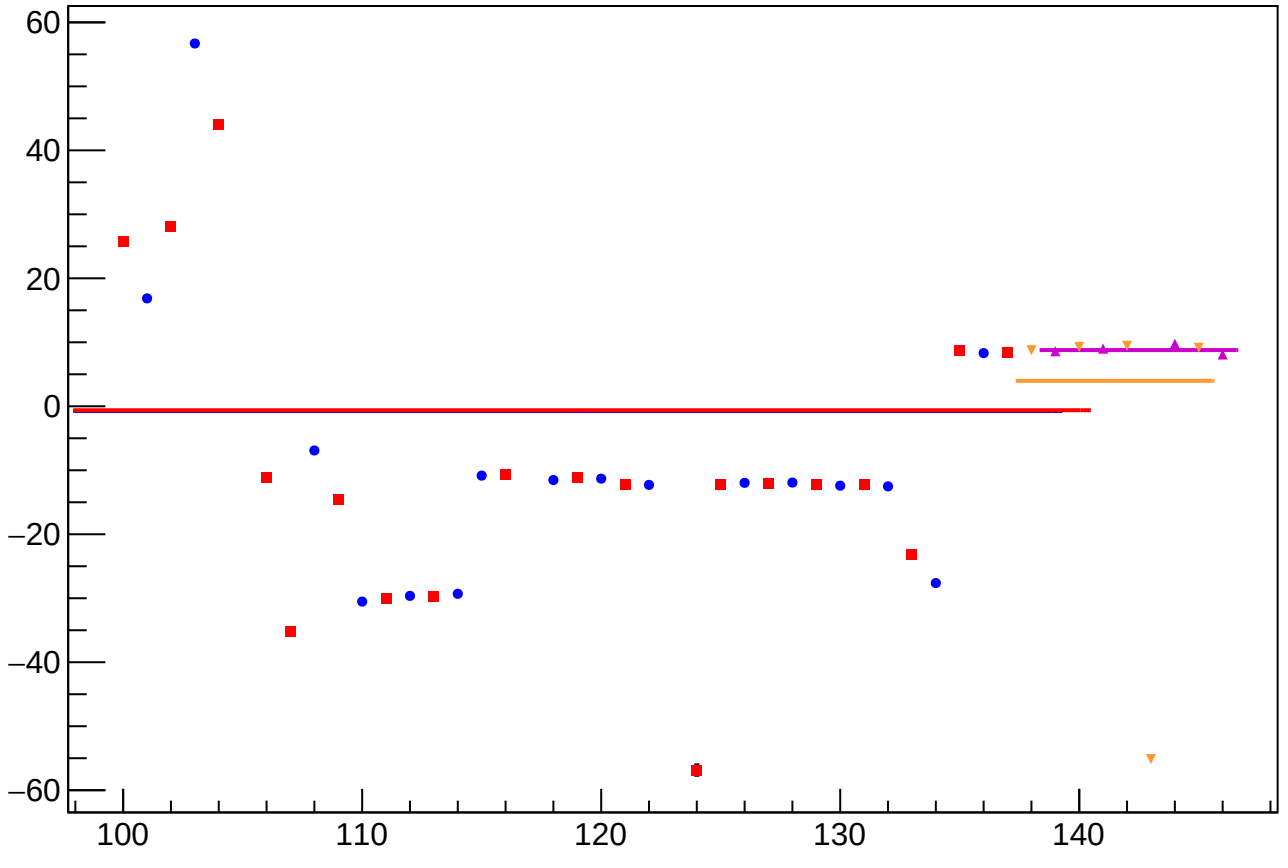
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 64.854+/-0.470 χ^2/NDF:5048.3/19

Out: 68.328+/-0.480 χ^2/NDF:6355.4/23

All: 66.552+/-0.336 χ^2/NDF: 11430.5/43


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 5.106+/-0.735 χ²/NDF:226.2/4
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -1.809+/-0.671 χ²/NDF:39.6/3
Left: 1.331+/-0.496 χ²/NDF: 314.0/8
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 4.694+/-0.458 χ²/NDF:575.3/19
Out: 8.197+/-0.483 χ²/NDF:727.9/23
All: 6.352+/-0.332 χ²/NDF: 1331.0/43



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.980+/-0.032 χ^2/NDF:304062.5/4

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.785+/-0.030 χ^2/NDF:354.7/3

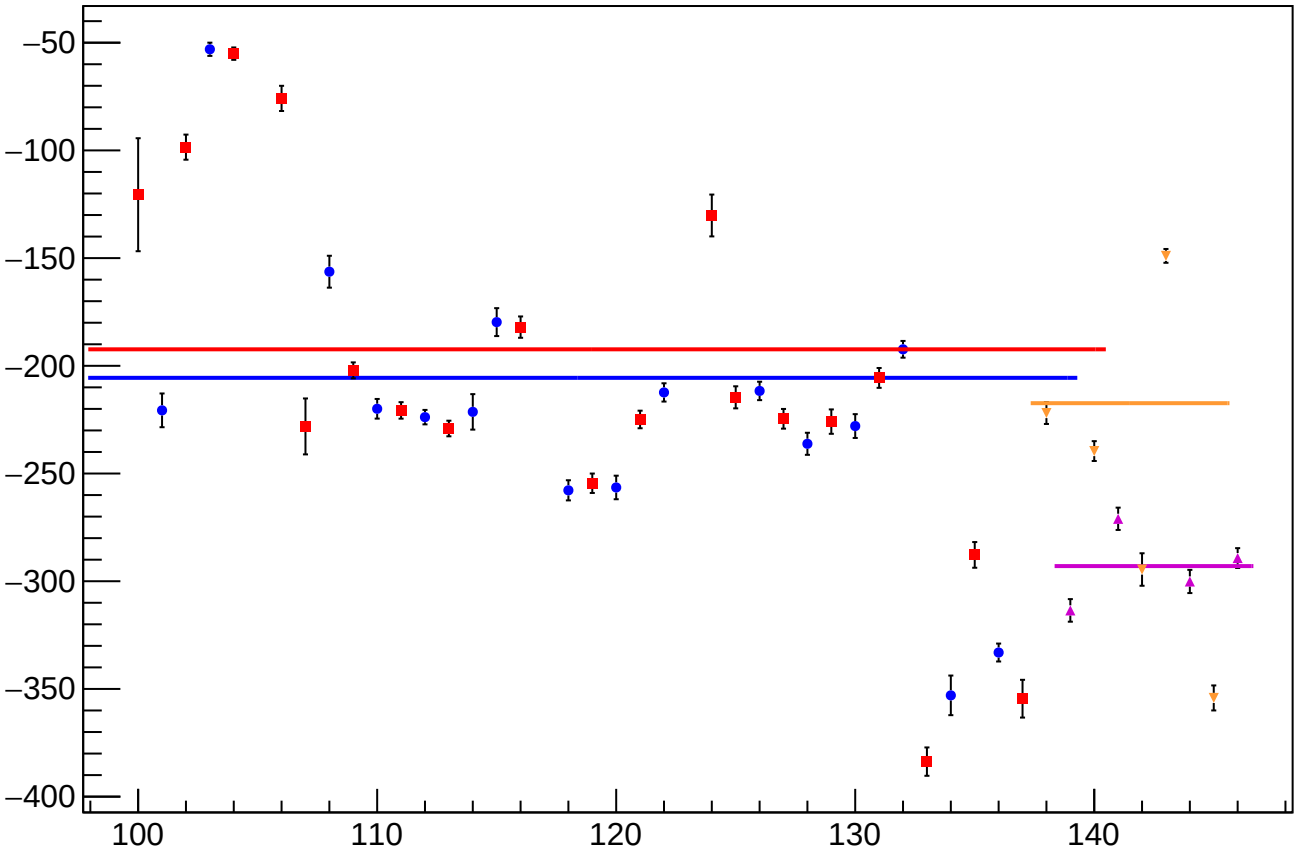
Left: 6.505+/-0.022 χ^2/NDF: 316634.1/8

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.872+/-0.023 χ^2/NDF:409932.1/19

Out: 2.066+/-0.024 χ^2/NDF:629410.9/23

All: 3.534+/-0.017 χ^2/NDF: 1046443.3/43



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -217.345+/-2.083 χ^2/NDF:1138.6/4

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -292.970+/-2.537 χ^2/NDF:35.8/3

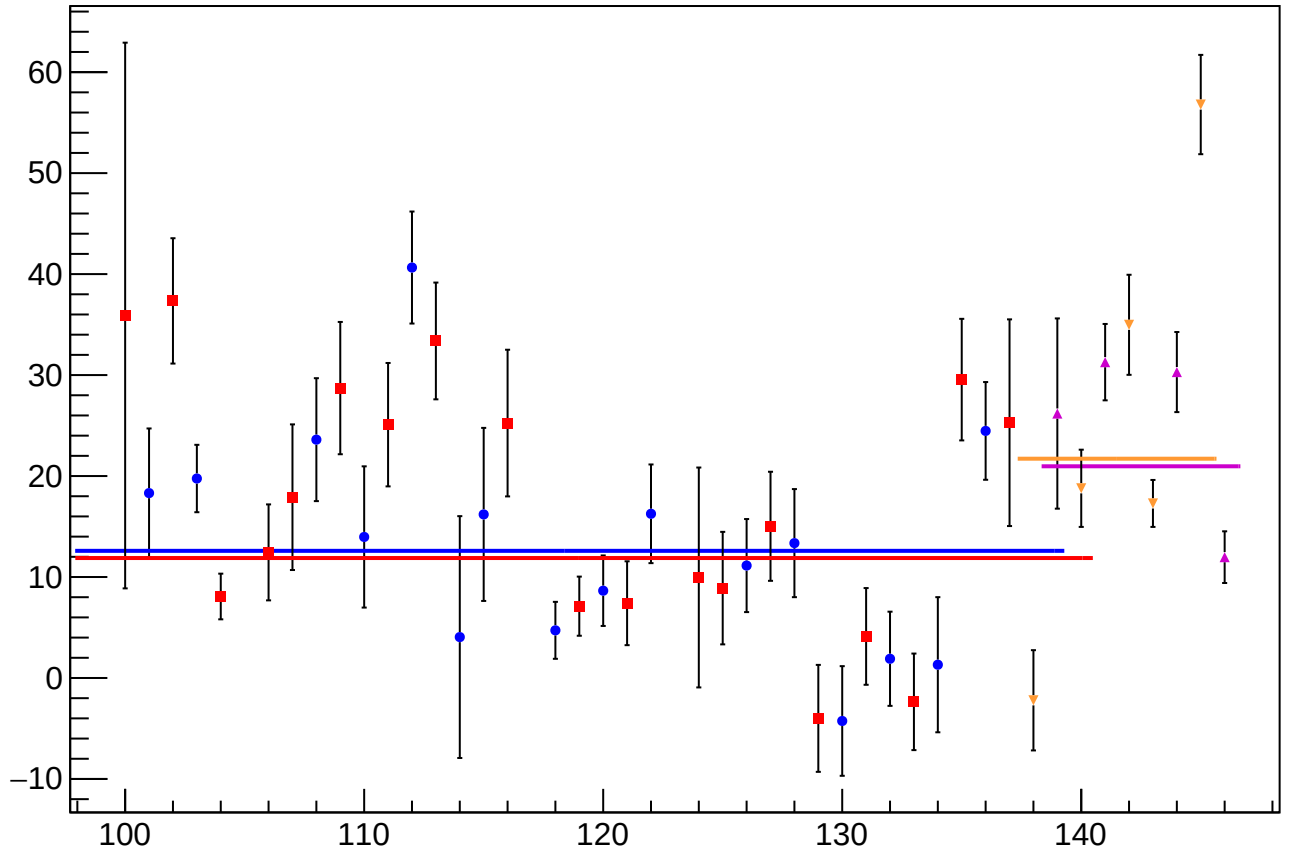
Left: -247.787+/-1.610 χ^2/NDF: 1705.1/8

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

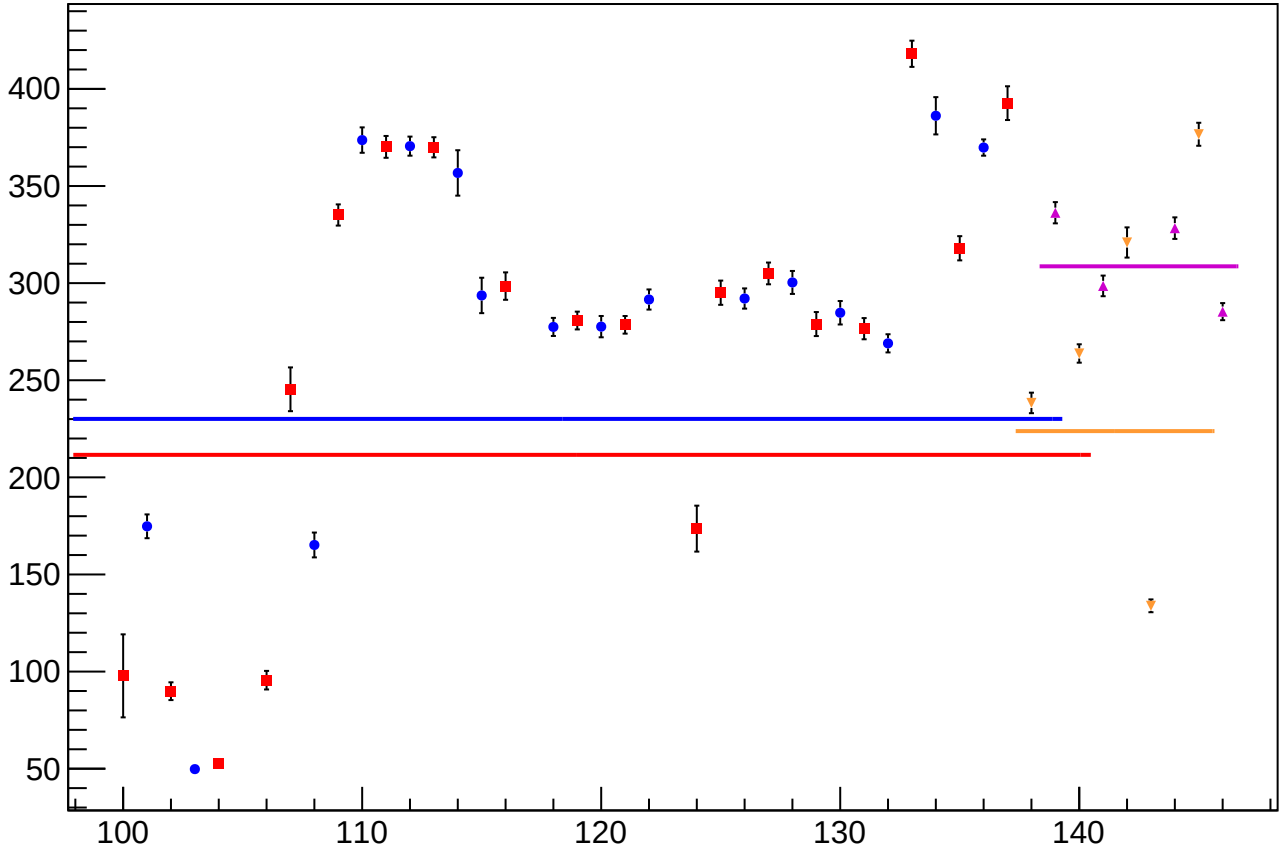
In: -221.219+/-1.073 χ^2/NDF:5065.8/19

Out: -197.972+/-0.988 χ^2/NDF:6220.1/23

All: -208.635+/-0.727 χ^2/NDF: 11539.7/43


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
100
110
120
130
140
Right In: 12.592+/-1.203 χ²/NDF: 68.5/15
Left Out: 21.717+/-1.631 χ²/NDF:85.5/4
Right Out: 11.880+/-1.122 χ²/NDF: 84.9/18
Left In: 20.966+/-1.834 χ²/NDF:25.6/3
Left: 21.385+/-1.219 χ²/NDF: 111.2/8
Right: 12.211+/-0.820 χ²/NDF: 153.6/34
In: 15.111+/-1.006 χ²/NDF:108.7/19
Out: 15.039+/-0.924 χ²/NDF:195.1/23
All: 15.072+/-0.680 χ²/NDF: 303.8/43

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: 223.813+/-2.145 χ^2/NDF:1644.2/4

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 308.653+/-2.556 χ^2/NDF:69.7/3

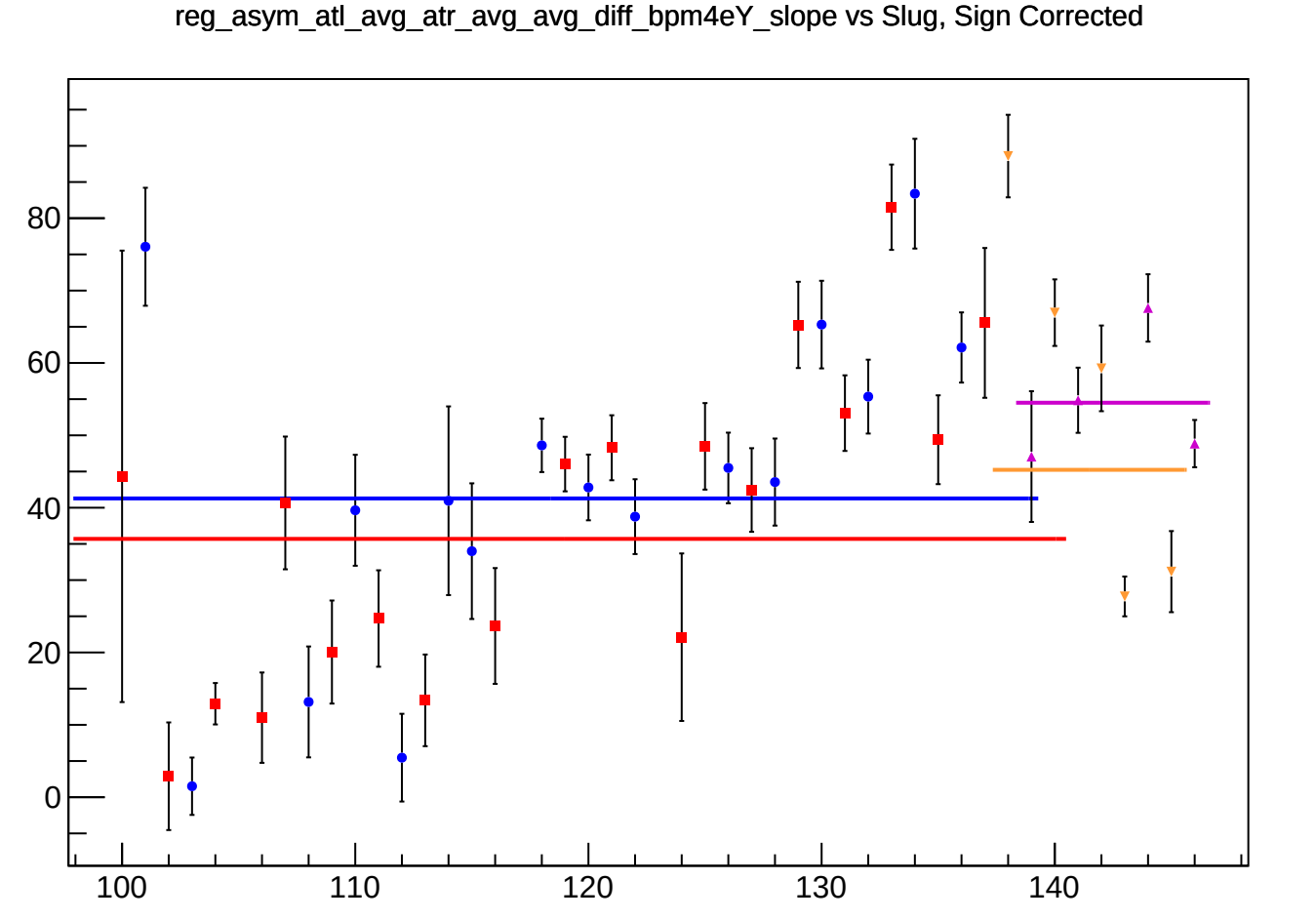
Left: 258.869+/-1.643 χ^2/NDF: 2360.4/8

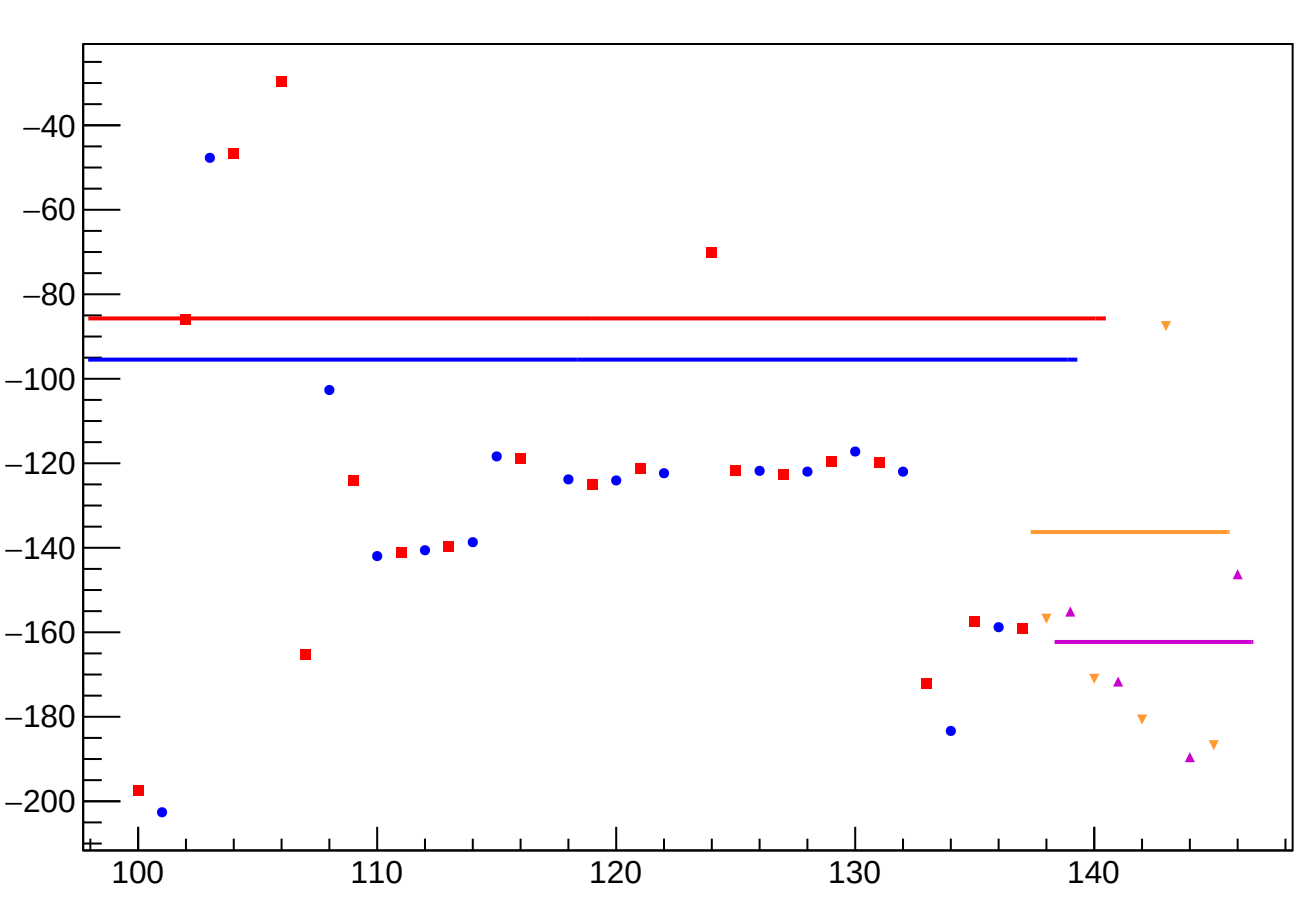
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 245.444+/-1.130 χ^2/NDF:10205.4/19

Out: 214.485+/-1.044 χ^2/NDF:13141.1/23

All: 228.745+/-0.767 χ^2/NDF: 23751.5/43


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
100
110
120
130
140
Right In: 41.282+/-1.398 χ2/NDF: 245.8/15
Left Out: 45.235+/-1.922 χ2/NDF:132.5/4
Right Out: 35.692+/-1.317 χ2/NDF: 253.2/18
Left In: 54.505+/-2.228 χ2/NDF:11.6/3
Left: 49.191+/-1.455 χ2/NDF: 154.0/8
Right: 38.321+/-0.958 χ2/NDF: 507.4/34
In: 45.016+/-1.184 χ2/NDF:282.6/19
Out: 38.740+/-1.086 χ2/NDF:402.4/23
All: 41.609+/-0.800 χ2/NDF: 700.3/43



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -136.275+/-0.089 χ^2/NDF:227697.6/4

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -162.290+/-0.105 χ^2/NDF:22420.1/3

Left: -147.250+/-0.068 χ^2/NDF: 285931.0/8

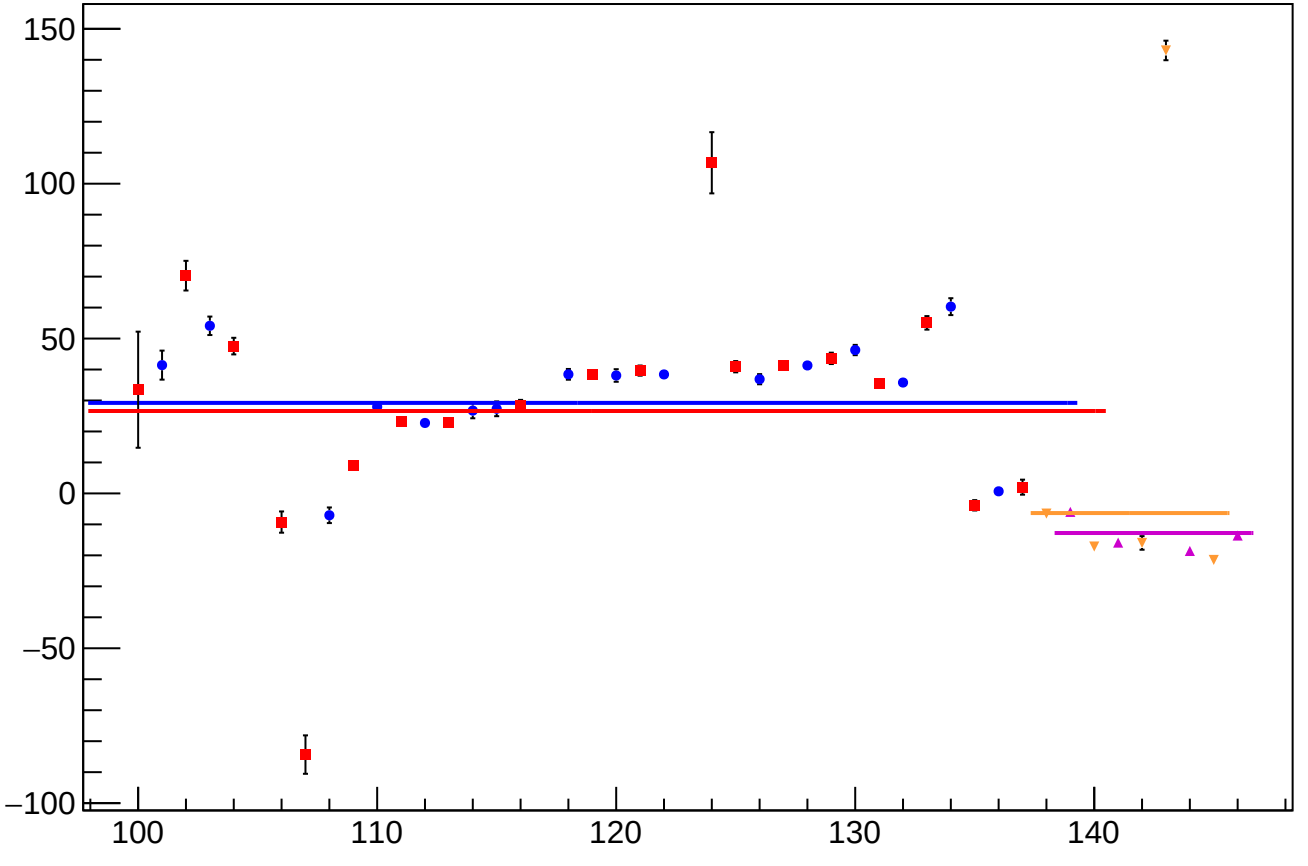
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -115.935+/-0.058 χ^2/NDF:825899.5/19

Out: -103.911+/-0.054 χ^2/NDF:915532.3/23

All: -109.461+/-0.039 χ^2/NDF: 1764691.4/43

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: -6.343+/-0.713 χ^2/NDF:2426.5/4

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.784+/-0.684 χ^2/NDF:51.2/3

Left: -9.698+/-0.494 χ^2/NDF: 2520.2/8

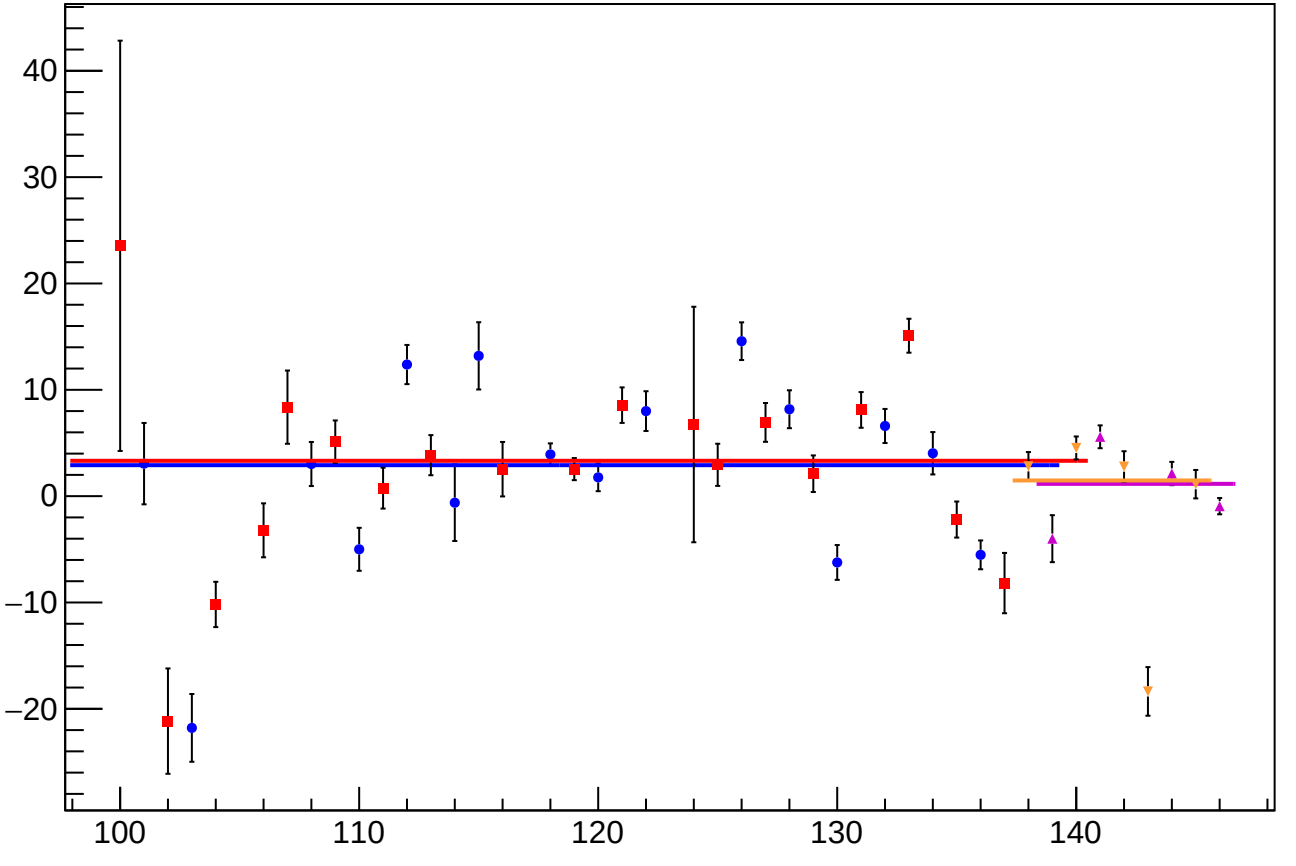
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 17.559+/-0.361 χ^2/NDF:4117.8/19

Out: 18.302+/-0.358 χ^2/NDF:5943.5/23

All: 17.933+/-0.254 χ^2/NDF: 10063.4/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.475+/-0.615 χ^2/NDF:85.1/4

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.156+/-0.526 χ^2/NDF:30.7/3

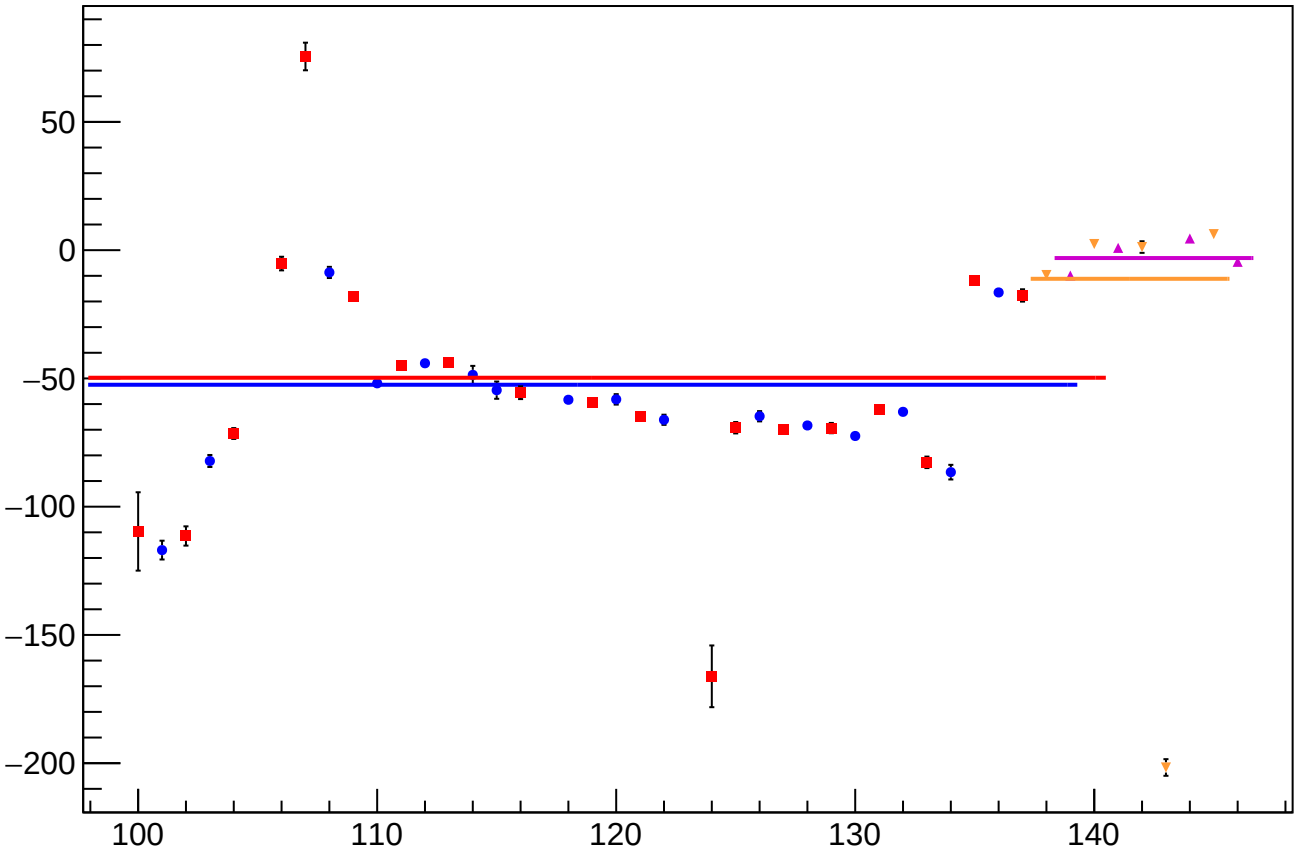
Left: 1.291+/-0.400 χ^2/NDF: 116.0/8

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.184+/-0.339 χ^2/NDF:287.2/19

Out: 2.674+/-0.365 χ^2/NDF:272.8/23

All: 2.411+/-0.248 χ^2/NDF: 561.0/43



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.160+/-0.735 χ^2/NDF:3706.2/4

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.070+/-0.693 χ^2/NDF:61.9/3

Left: -6.875+/-0.504 χ^2/NDF: 3832.2/8

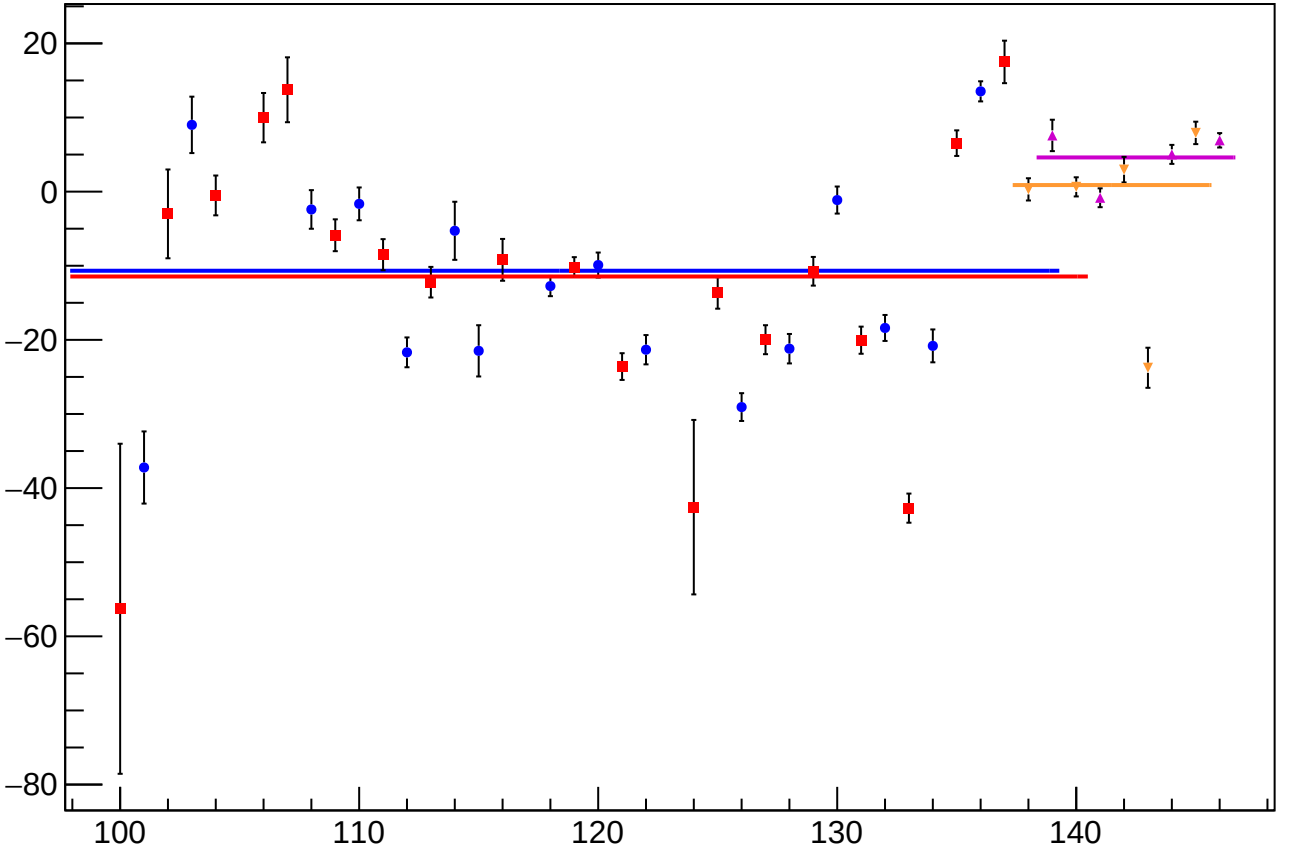
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -36.100+/-0.399 χ^2/NDF:5790.1/19

Out: -37.739+/-0.410 χ^2/NDF:8611.5/23

All: -36.897+/-0.286 χ^2/NDF: 14409.8/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.888+/-0.715 χ^2/NDF:106.3/4

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.612+/-0.632 χ^2/NDF:26.0/3

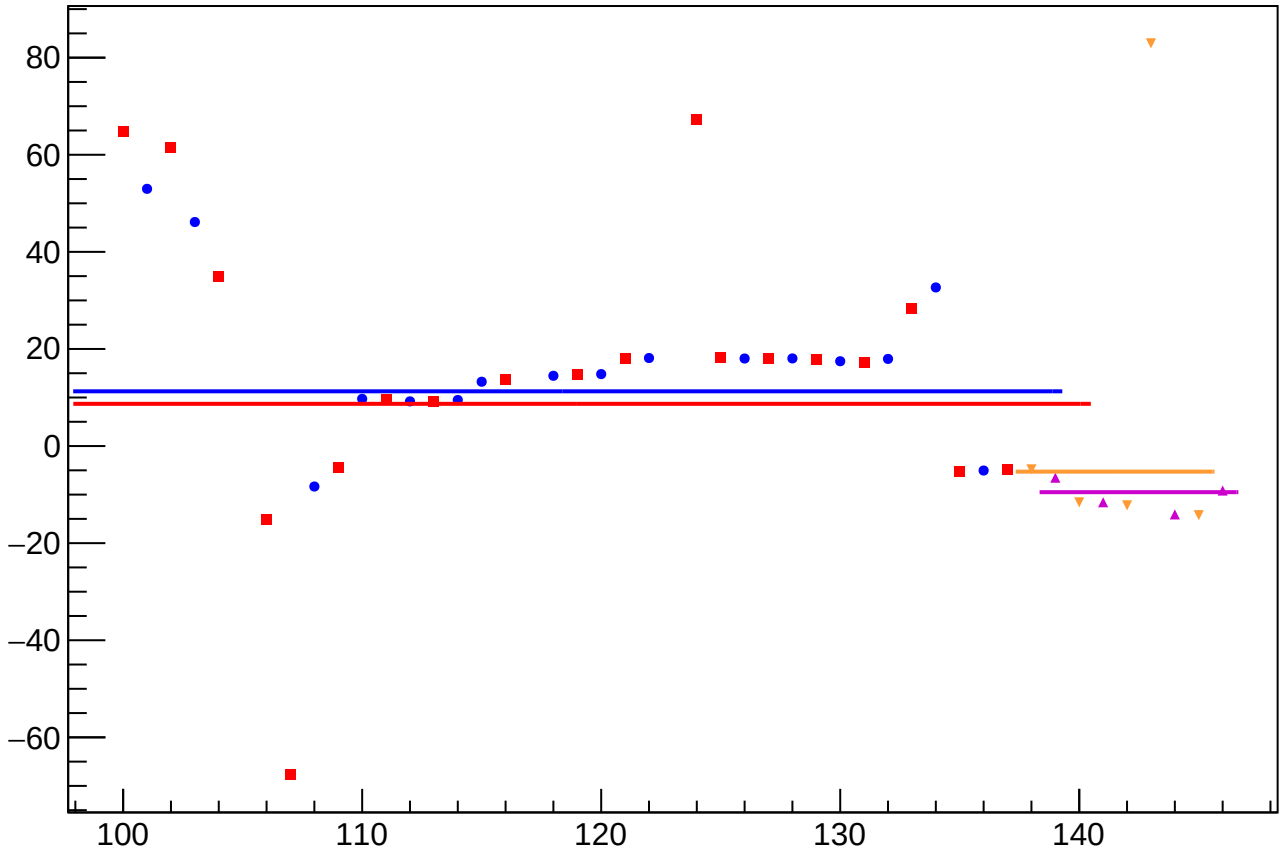
Left: 2.980+/-0.474 χ^2/NDF: 147.5/8

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -4.709+/-0.395 χ^2/NDF:1049.4/19

Out: -7.227+/-0.419 χ^2/NDF:967.7/23

All: -5.894+/-0.287 χ^2/NDF: 2036.2/43



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -5.268+/-0.030 χ^2/NDF:464678.9/4

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.499+/-0.028 χ^2/NDF:10005.3/3

Left: -7.546+/-0.020 χ^2/NDF: 485318.2/8

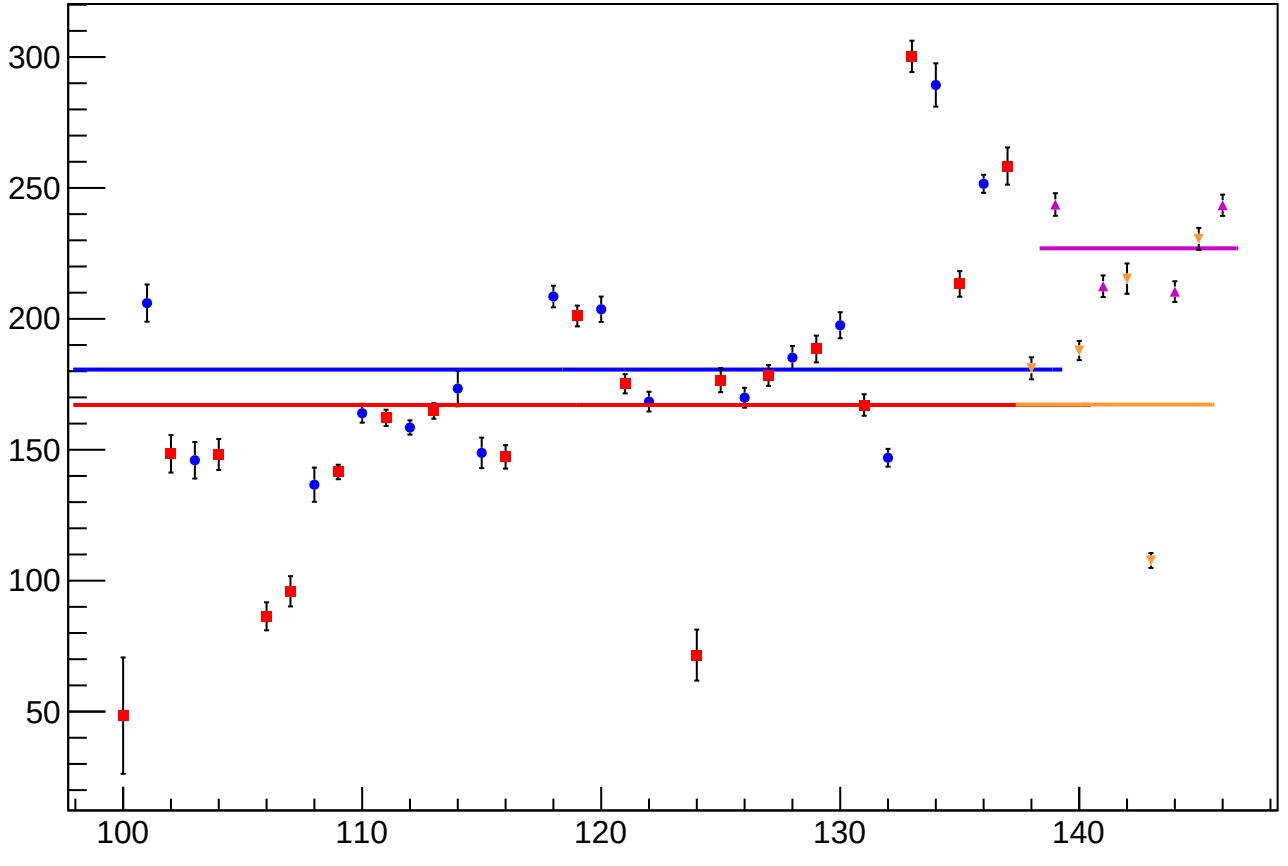
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 0.156+/-0.020 χ^2/NDF:617414.2/19

Out: 1.417+/-0.022 χ^2/NDF:1003819.6/23

All: 0.746+/-0.015 χ^2/NDF: 1623025.0/43

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: 167.266+/-1.710 χ^2/NDF:780.2/4

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 226.936+/-2.055 χ^2/NDF:61.2/3

Left: 191.683+/-1.315 χ^2/NDF: 1339.5/8

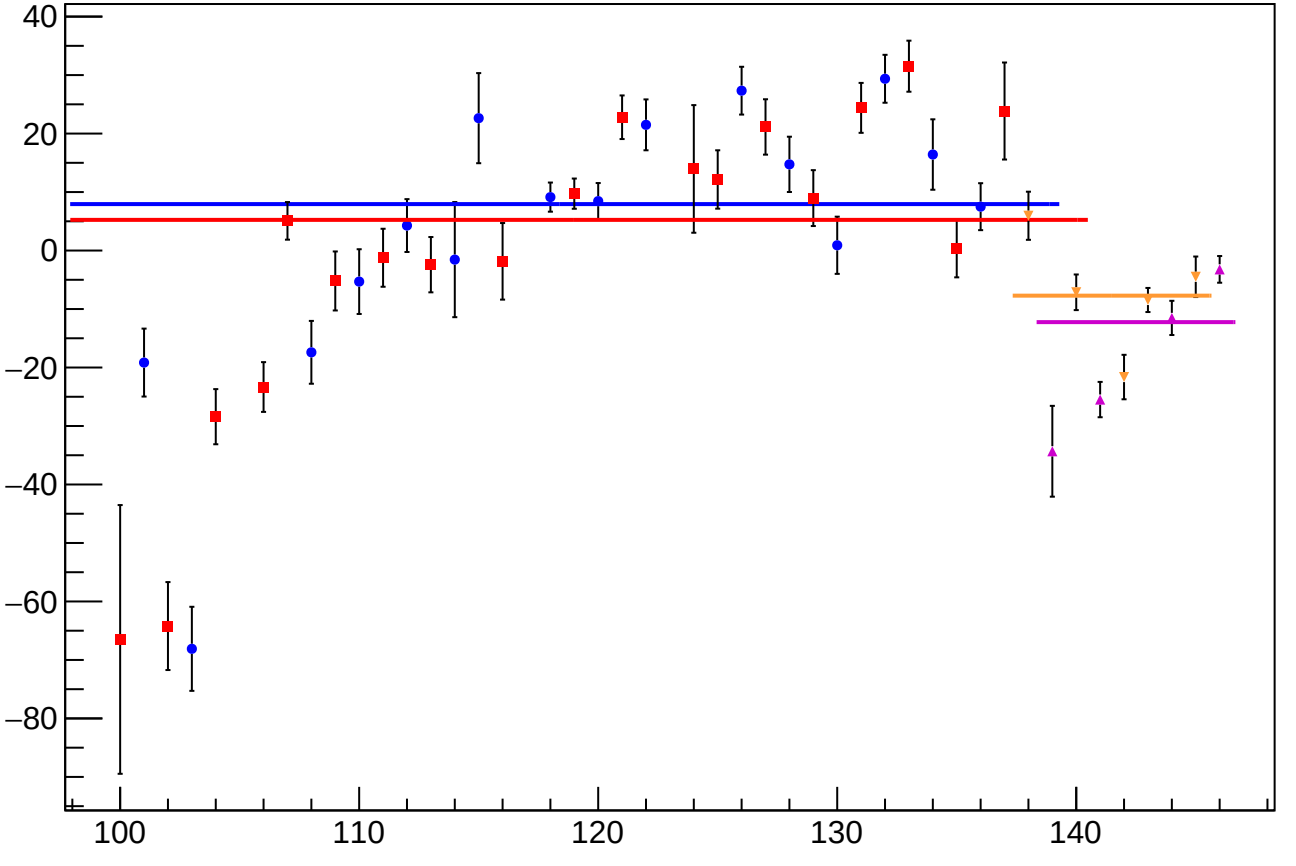
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 190.794+/-0.963 χ^2/NDF:1450.9/19

Out: 167.145+/-0.877 χ^2/NDF:2264.7/23

All: 177.865+/-0.648 χ^2/NDF: 4045.6/43

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: -7.712+/-1.342 χ^2/NDF:25.5/4

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

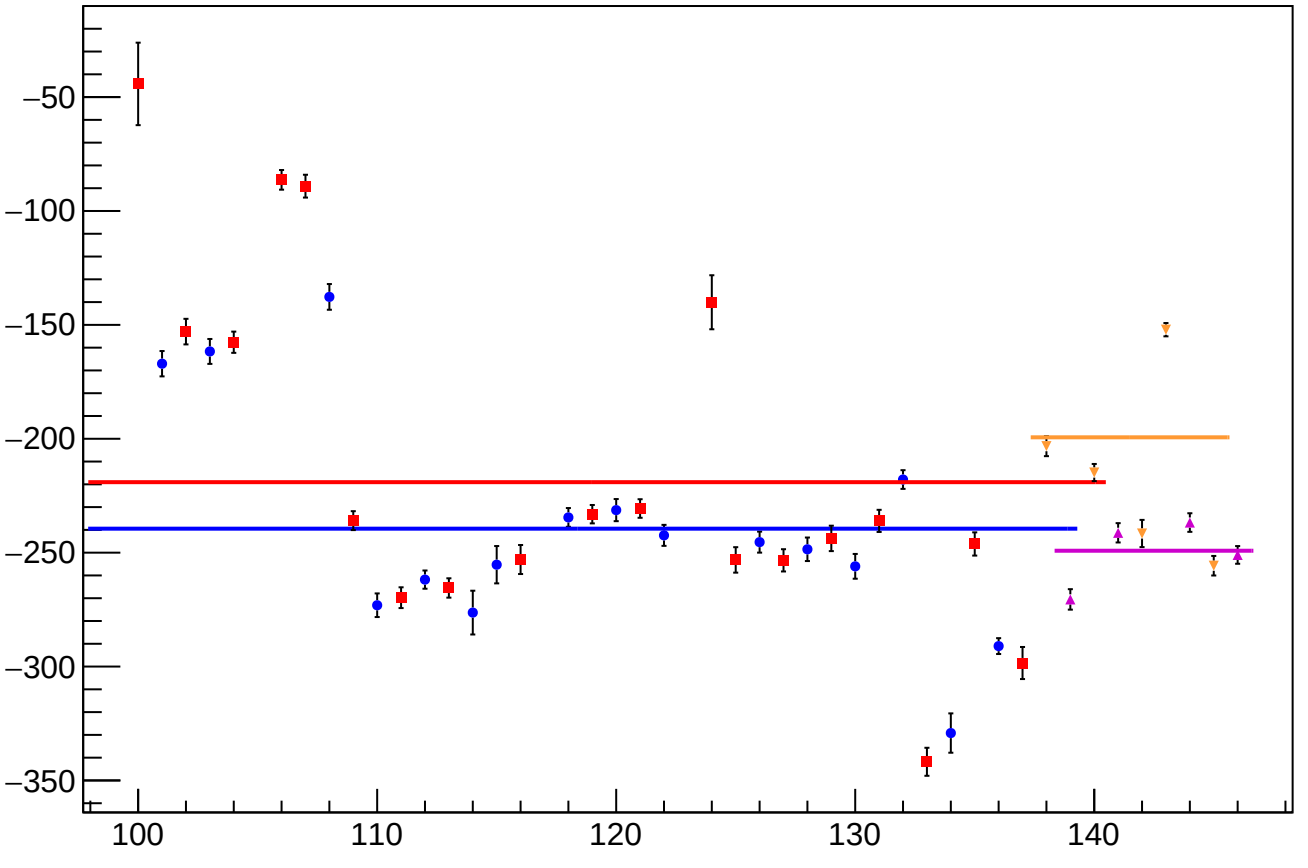
Left: -9.702+/-1.005 χ^2/NDF: 73.4/8

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 0.871+/-0.897 χ^2/NDF:391.0/19

Out: 0.256+/-0.833 χ^2/NDF:385.7/23

All: 0.541+/-0.610 χ^2/NDF: 777.0/43



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -199.365+/-1.763 χ^2/NDF:501.5/4

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -249.153+/-2.078 χ^2/NDF:35.5/3

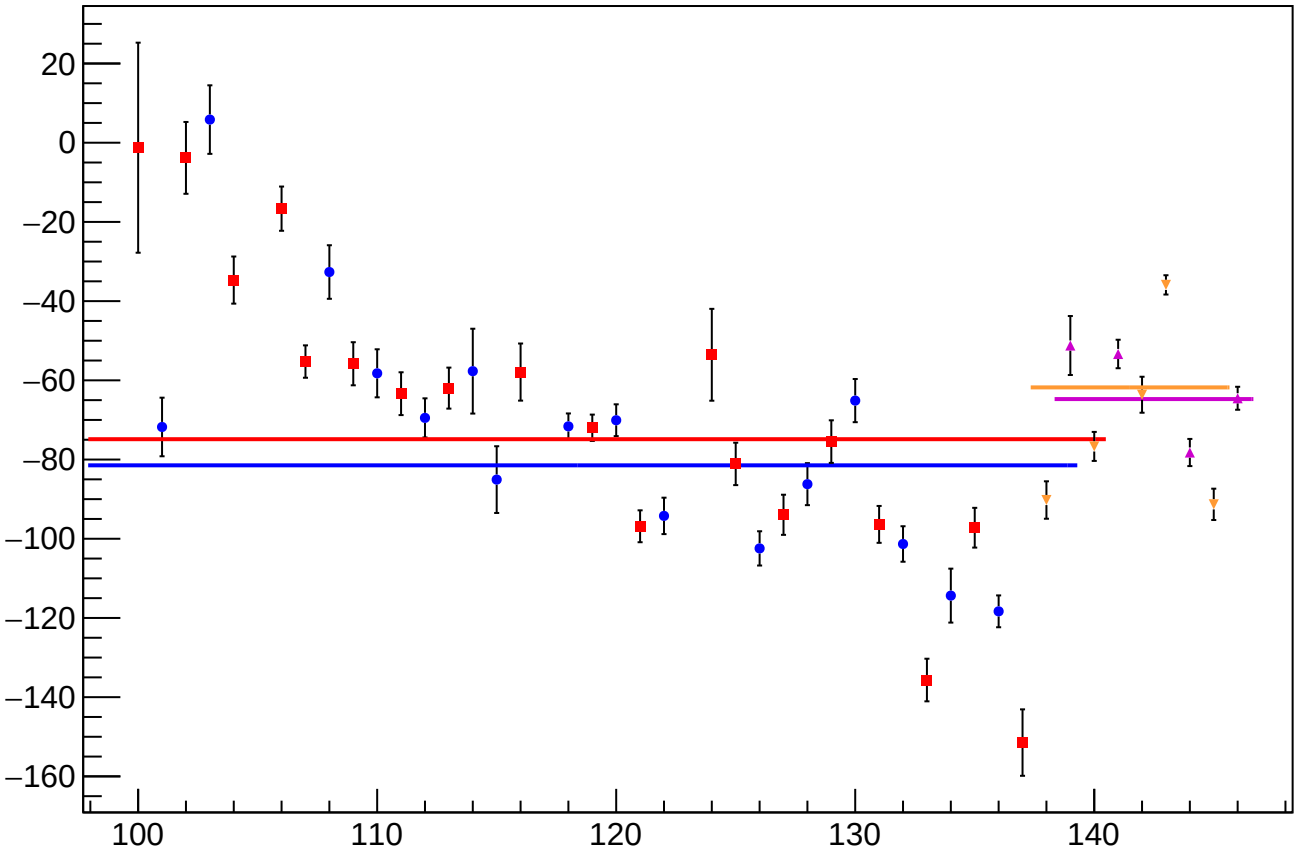
Left: -220.199+/-1.344 χ^2/NDF: 870.7/8

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.027+/-1.068 χ^2/NDF:1213.7/19

Out: -212.988+/-0.978 χ^2/NDF:3637.0/23

All: -226.236+/-0.722 χ^2/NDF: 5252.6/43



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -61.784+/-1.581 χ^2/NDF:221.5/4

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

Left: -63.044+/-1.196 χ^2/NDF: 251.8/8

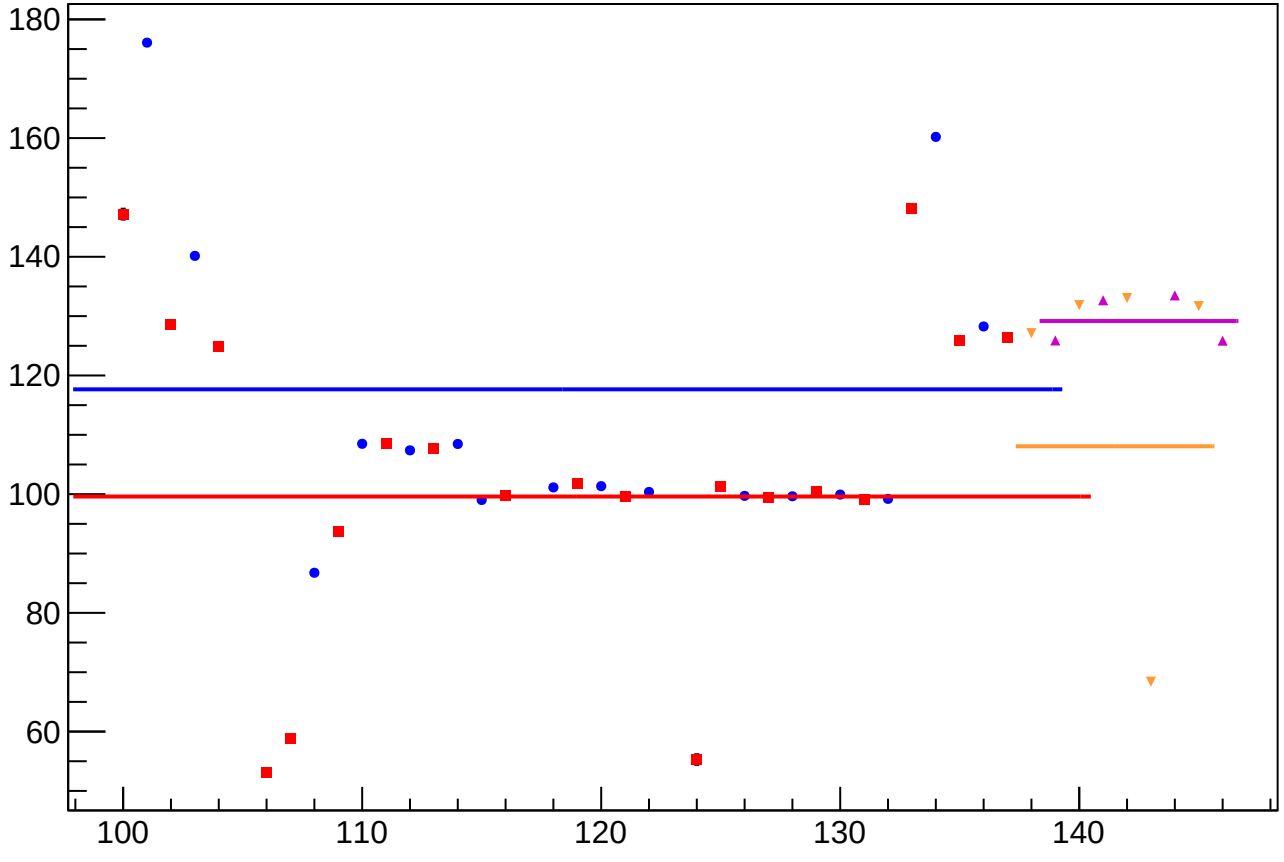
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -75.918+/-1.052 χ^2/NDF:451.3/19

Out: -69.929+/-0.971 χ^2/NDF:840.8/23

All: -72.683+/-0.714 χ^2/NDF: 1309.6/43

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 108.067+/-0.073 χ^2/NDF:167652.8/4

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.178+/-0.085 χ^2/NDF:1773.8/3

Left: 117.044+/-0.056 χ^2/NDF: 204700.0/8

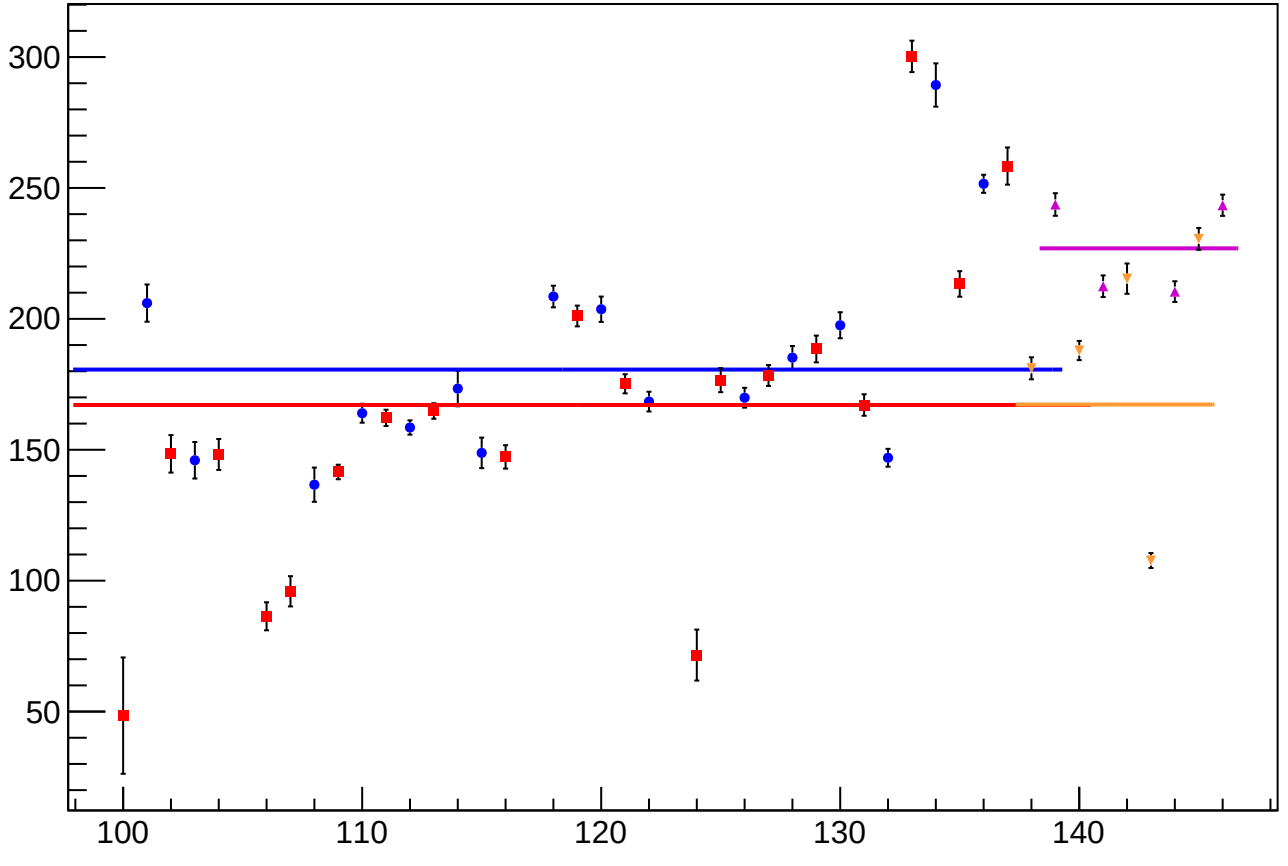
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.932+/-0.058 χ^2/NDF:107071.5/19

Out: 103.659+/-0.051 χ^2/NDF:340830.6/23

All: 112.073+/-0.038 χ^2/NDF: 510898.7/43

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: 167.266+/-1.710 χ^2/NDF:780.2/4

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 226.936+/-2.055 χ^2/NDF:61.2/3

Left: 191.683+/-1.315 χ^2/NDF: 1339.5/8

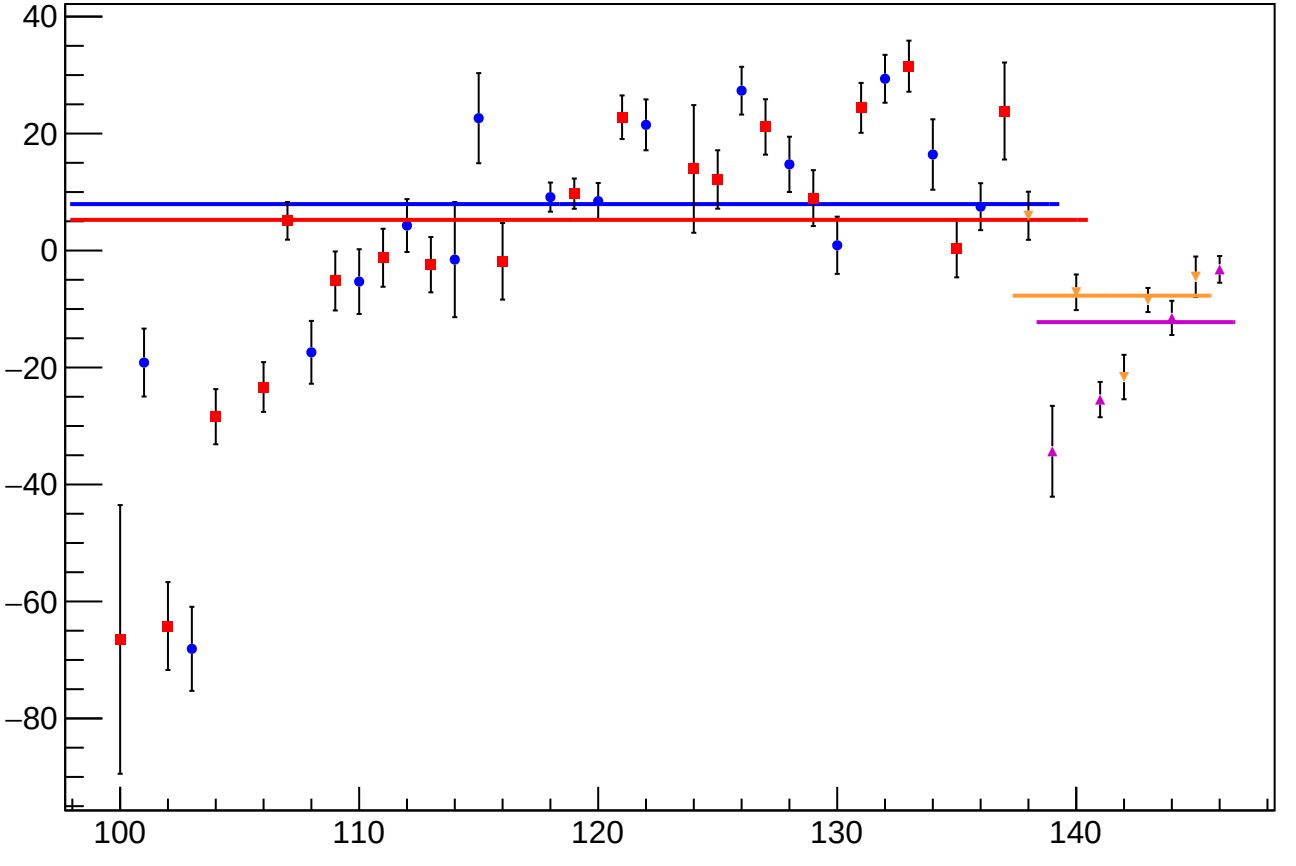
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 190.794+/-0.963 χ^2/NDF:1450.9/19

Out: 167.145+/-0.877 χ^2/NDF:2264.7/23

All: 177.865+/-0.648 χ^2/NDF: 4045.6/43

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.712+/-1.342 χ^2/NDF:25.5/4

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

Left: -9.702+/-1.005 χ^2/NDF: 73.4/8

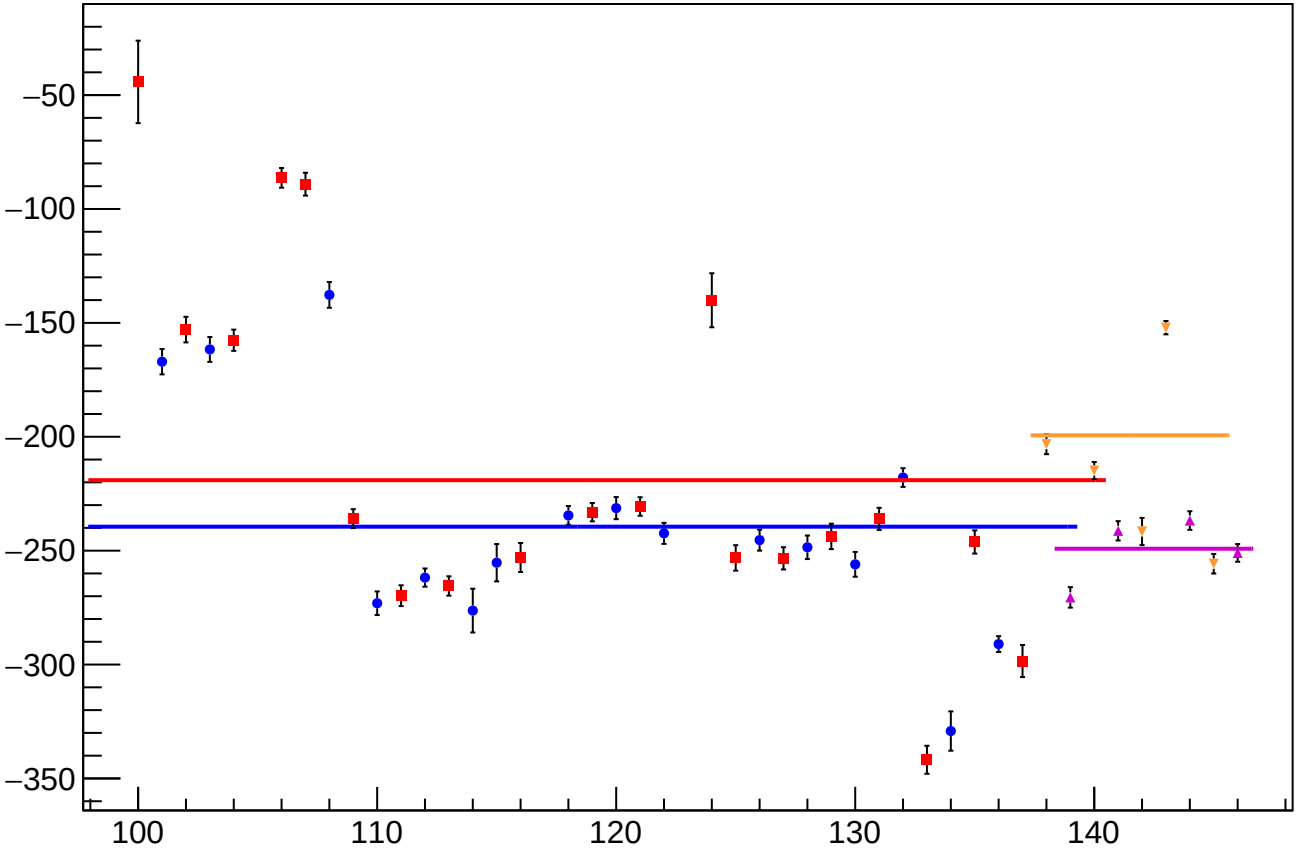
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 0.871+/-0.897 χ^2/NDF:391.0/19

Out: 0.256+/-0.833 χ^2/NDF:385.7/23

All: 0.541+/-0.610 χ^2/NDF: 777.0/43

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: -199.365+/-1.763 χ^2/NDF:501.5/4

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -249.153+/-2.078 χ^2/NDF:35.5/3

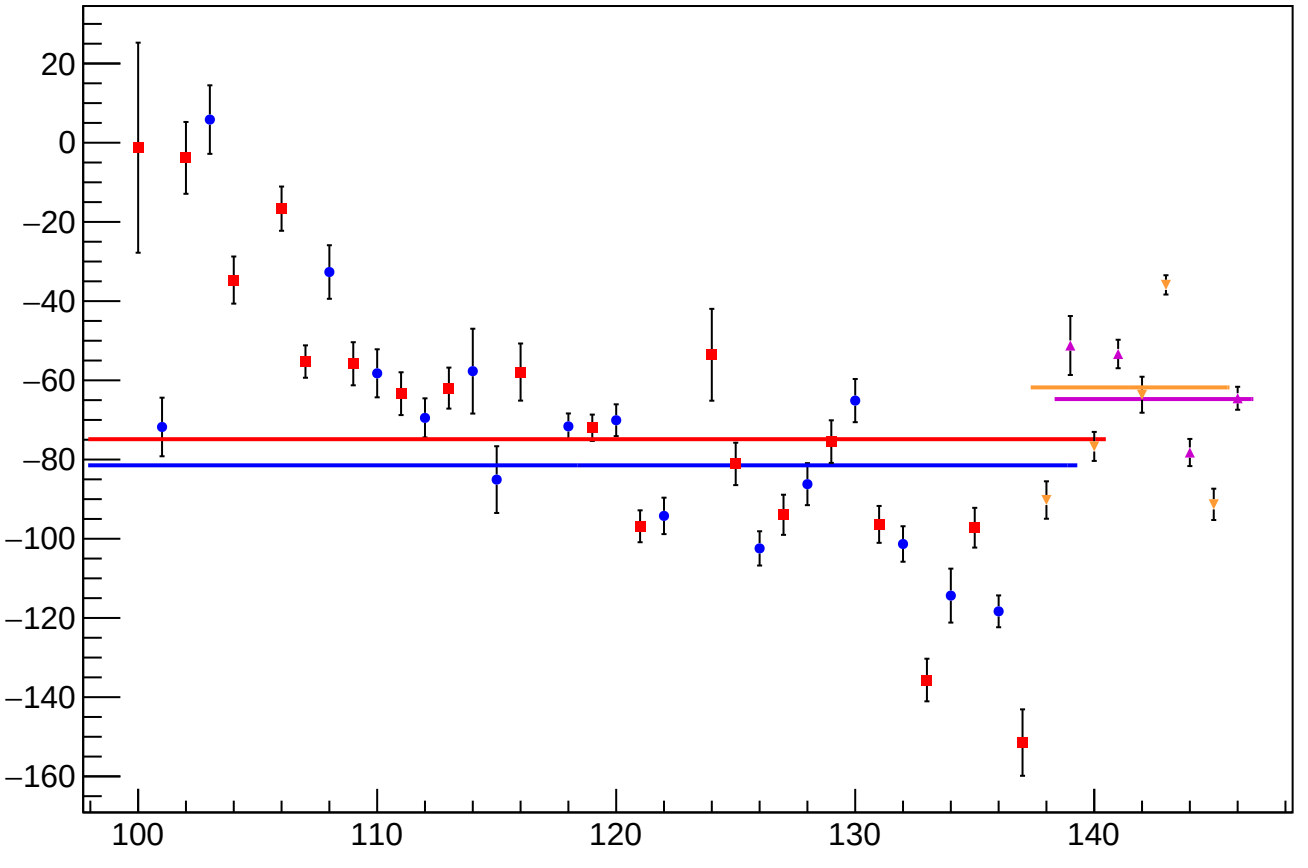
Left: -220.199+/-1.344 χ^2/NDF: 870.7/8

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.027+/-1.068 χ^2/NDF:1213.7/19

Out: -212.988+/-0.978 χ^2/NDF:3637.0/23

All: -226.236+/-0.722 χ^2/NDF: 5252.6/43



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -61.784+/-1.581 χ^2/NDF:221.5/4

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

Left: -63.044+/-1.196 χ^2/NDF: 251.8/8

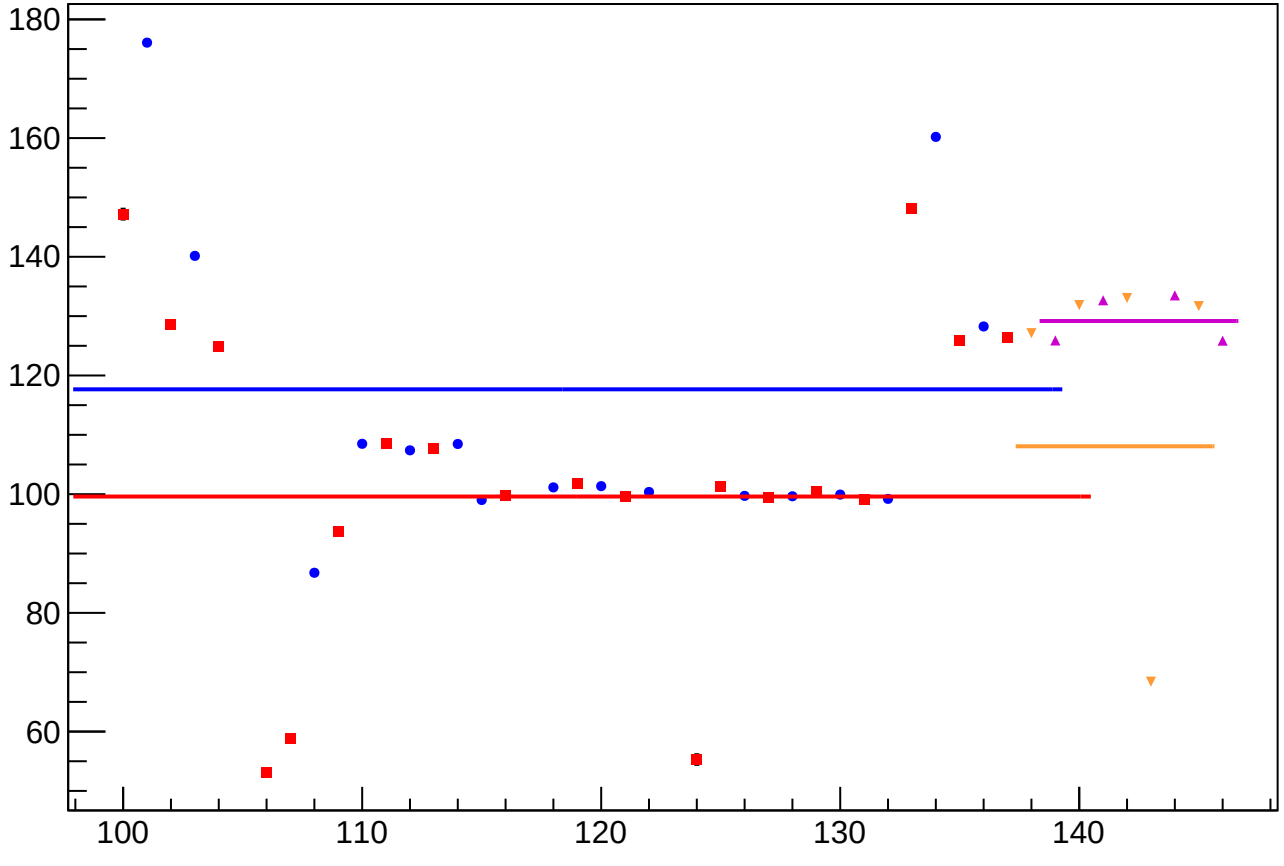
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -75.918+/-1.052 χ^2/NDF:451.3/19

Out: -69.929+/-0.971 χ^2/NDF:840.8/23

All: -72.683+/-0.714 χ^2/NDF: 1309.6/43

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: 108.067+/-0.073 χ^2/NDF:167652.8/4

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.178+/-0.085 χ^2/NDF:1773.8/3

Left: 117.044+/-0.056 χ^2/NDF: 204700.0/8

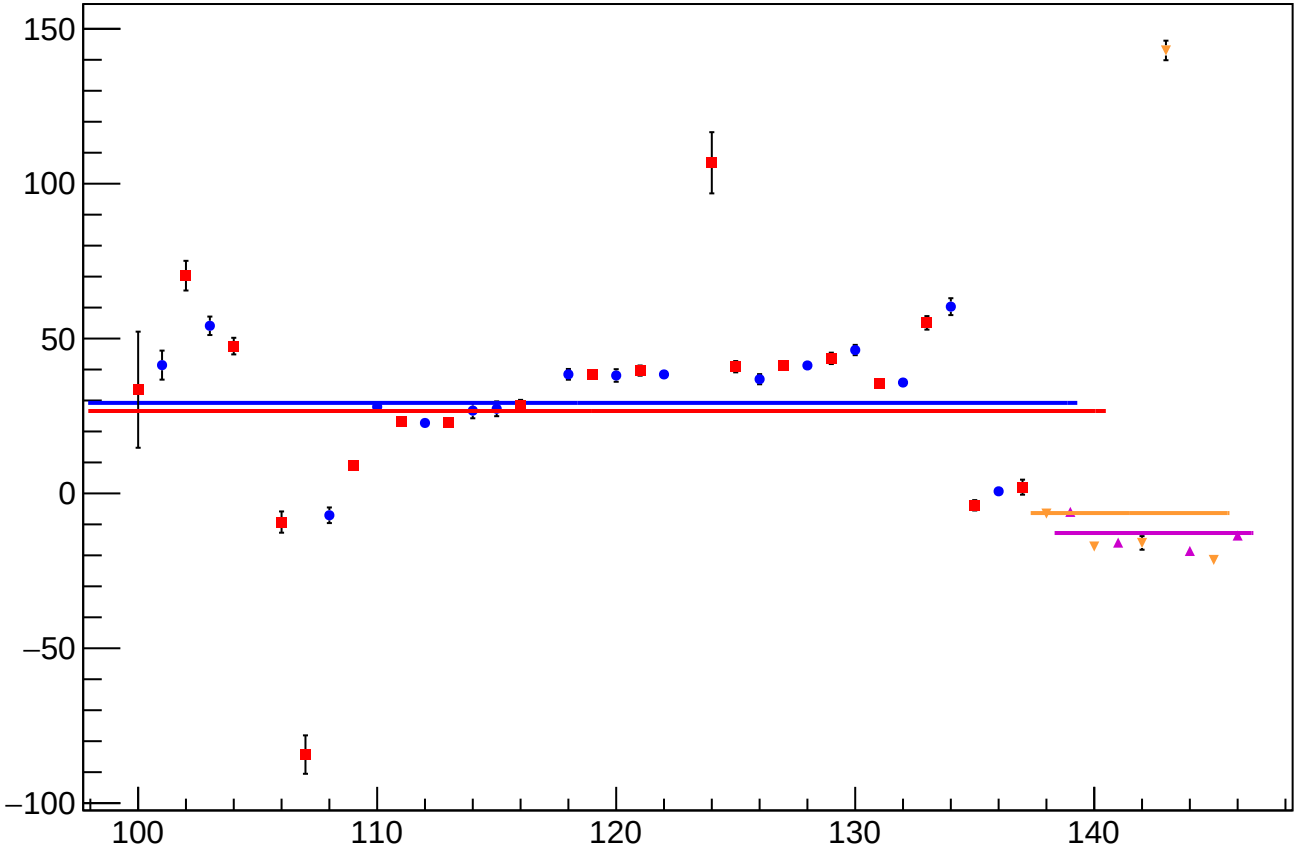
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.932+/-0.058 χ^2/NDF:107071.5/19

Out: 103.659+/-0.051 χ^2/NDF:340830.6/23

All: 112.073+/-0.038 χ^2/NDF: 510898.7/43

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: -6.343+/-0.713 χ^2/NDF:2426.5/4

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.784+/-0.684 χ^2/NDF:51.2/3

Left: -9.698+/-0.494 χ^2/NDF: 2520.2/8

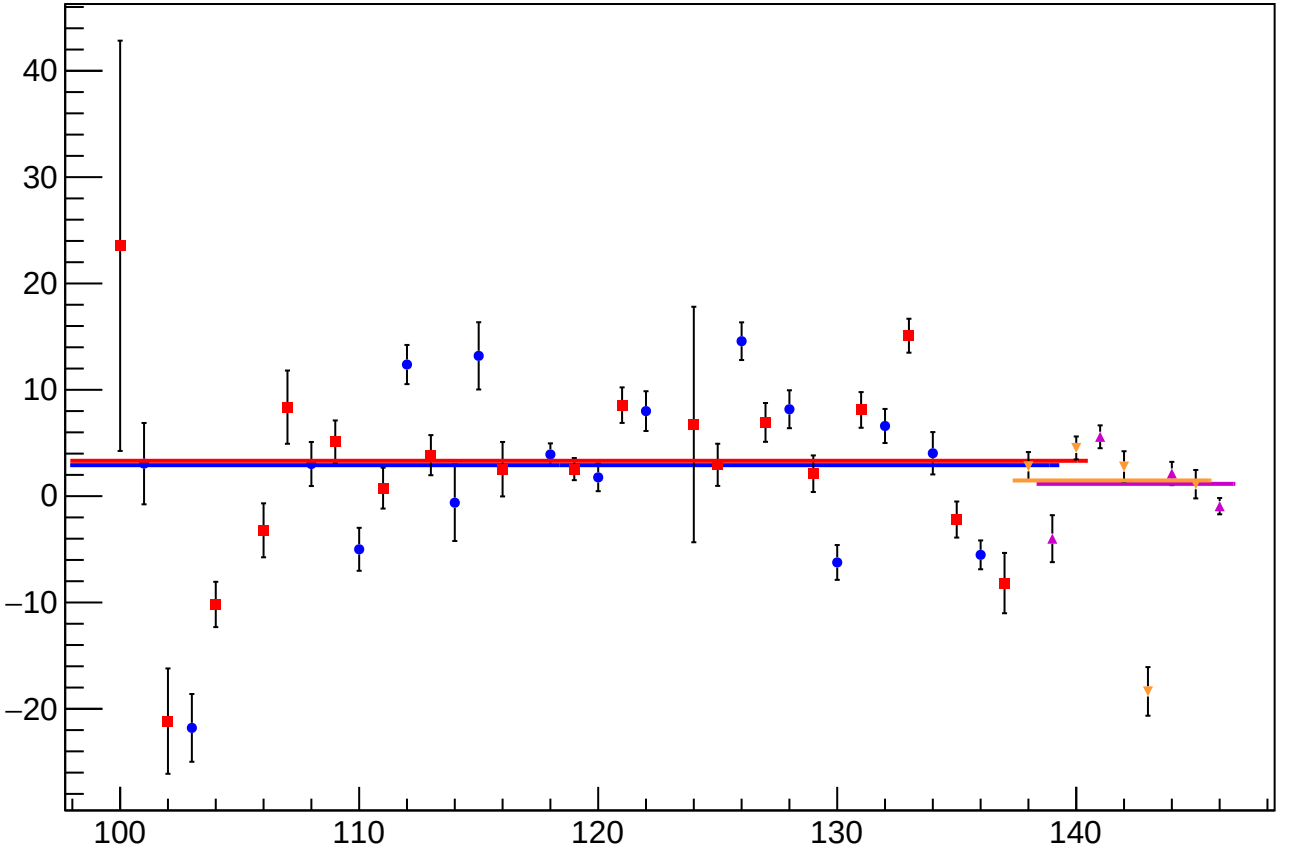
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 17.559+/-0.361 χ^2/NDF:4117.8/19

Out: 18.302+/-0.358 χ^2/NDF:5943.5/23

All: 17.933+/-0.254 χ^2/NDF: 10063.4/43

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 1.475+/-0.615 χ^2/NDF:85.1/4

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.156+/-0.526 χ^2/NDF:30.7/3

Left: 1.291+/-0.400 χ^2/NDF: 116.0/8

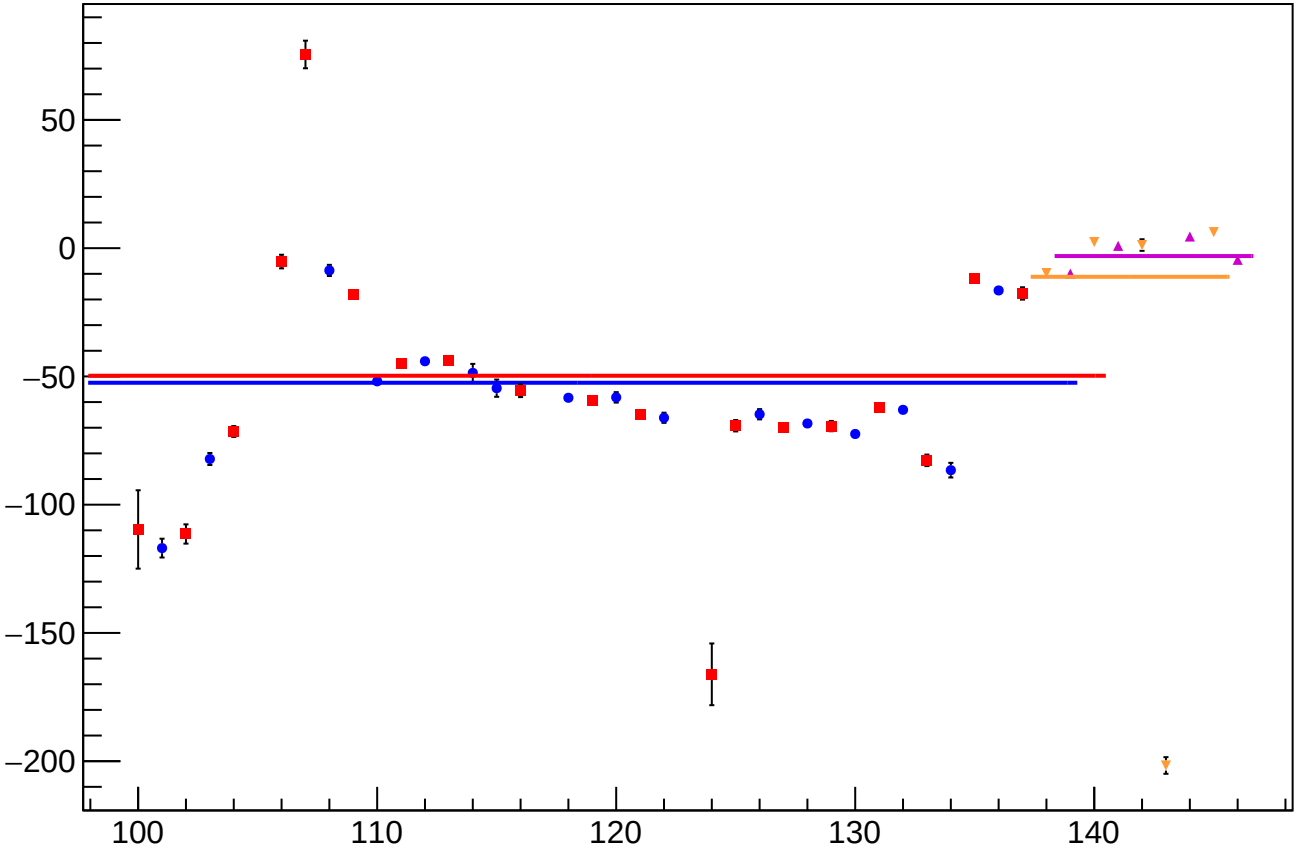
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.184+/-0.339 χ^2/NDF:287.2/19

Out: 2.674+/-0.365 χ^2/NDF:272.8/23

All: 2.411+/-0.248 χ^2/NDF: 561.0/43

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.160+/-0.735 χ^2/NDF:3706.2/4

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.070+/-0.693 χ^2/NDF:61.9/3

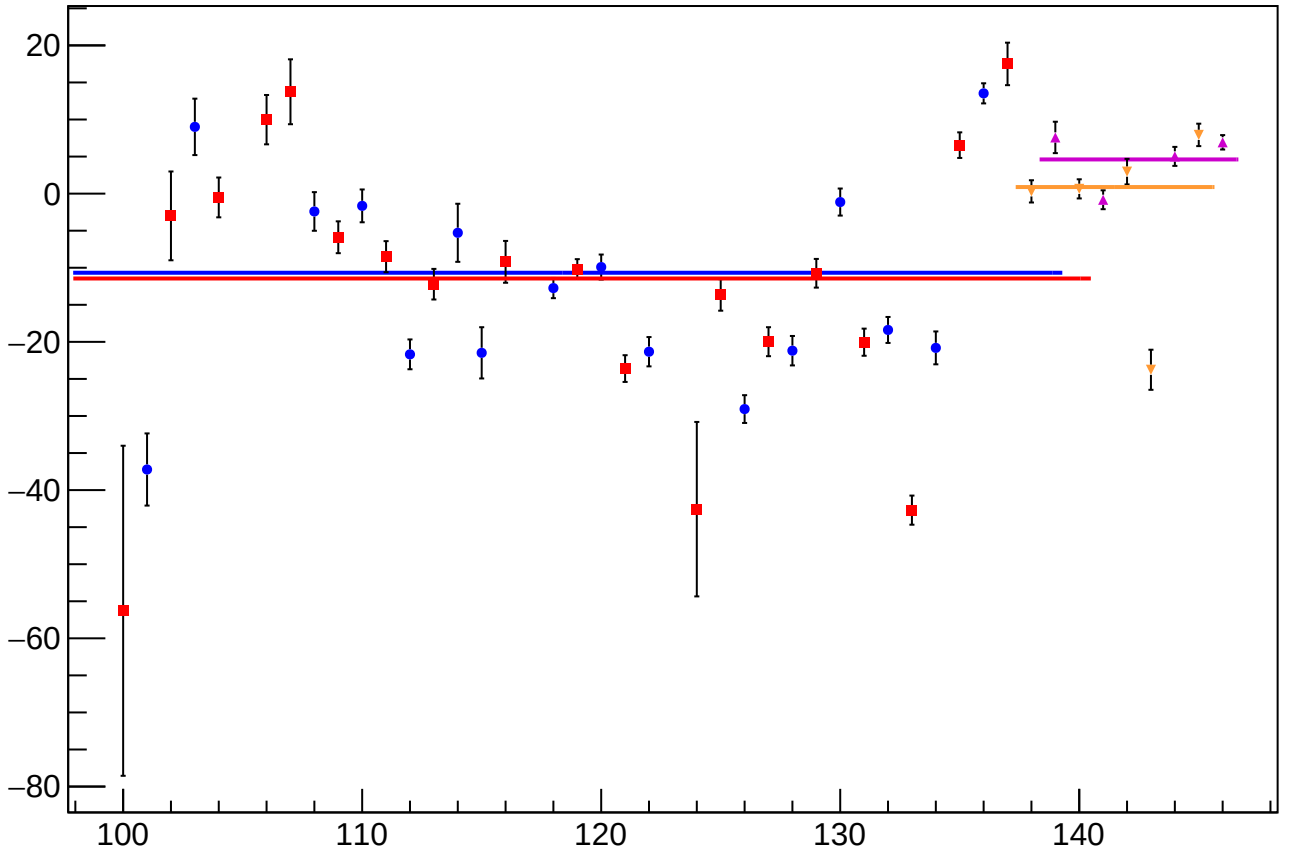
Left: -6.875+/-0.504 χ^2/NDF: 3832.2/8

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -36.100+/-0.399 χ^2/NDF:5790.1/19

Out: -37.739+/-0.410 χ^2/NDF:8611.5/23

All: -36.897+/-0.286 χ^2/NDF: 14409.8/43



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 0.888+/-0.715 χ^2/NDF:106.3/4

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.612+/-0.632 χ^2/NDF:26.0/3

Left: 2.980+/-0.474 χ^2/NDF: 147.5/8

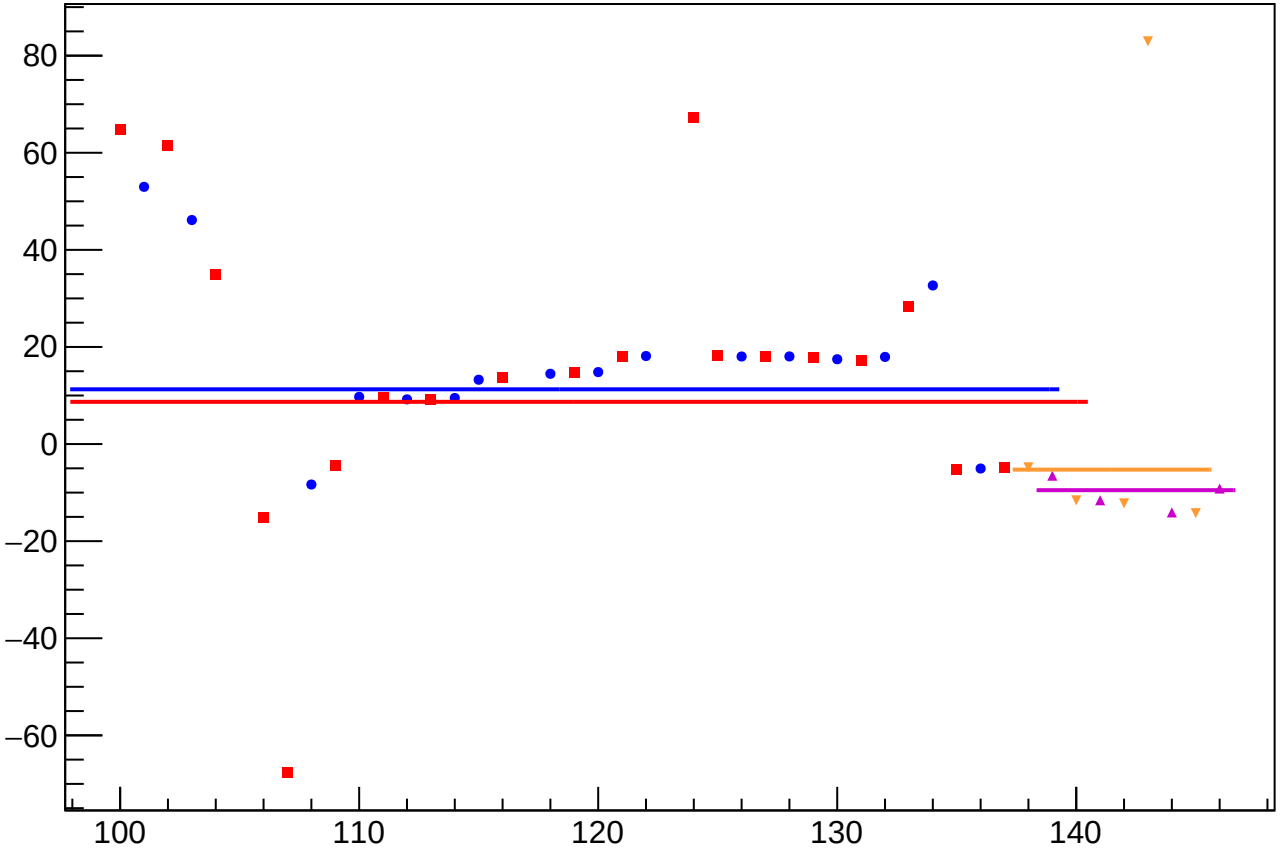
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -4.709+/-0.395 χ^2/NDF:1049.4/19

Out: -7.227+/-0.419 χ^2/NDF:967.7/23

All: -5.894+/-0.287 χ^2/NDF: 2036.2/43

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: -5.268+/-0.030 χ^2/NDF:464678.9/4

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.499+/-0.028 χ^2/NDF:10005.3/3

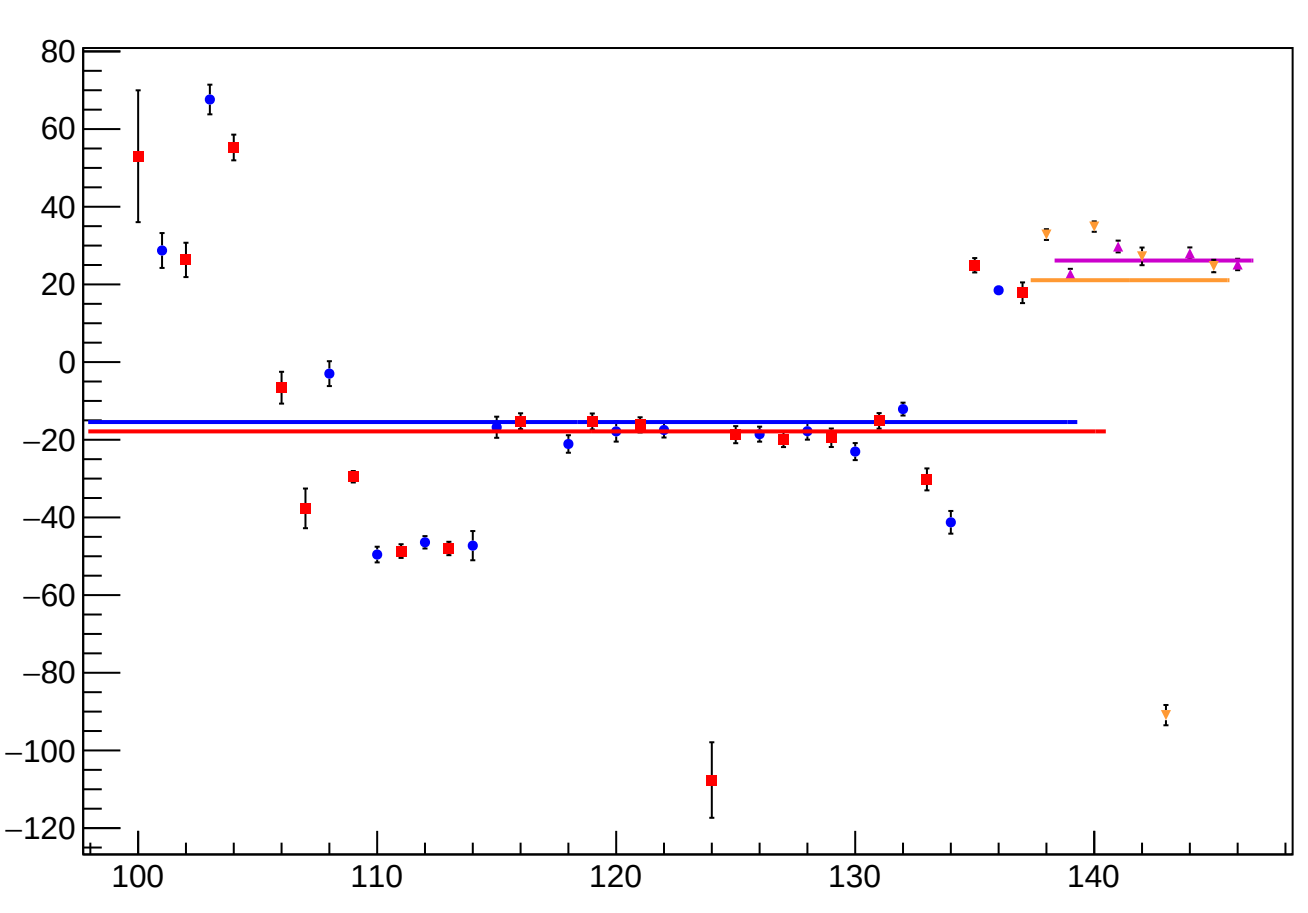
Left: -7.546+/-0.020 χ^2/NDF: 485318.2/8

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 0.156+/-0.020 χ^2/NDF:617414.2/19

Out: 1.417+/-0.022 χ^2/NDF:1003819.6/23

All: 0.746+/-0.015 χ^2/NDF: 1623025.0/43



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 21.085+/-0.744 χ^2/NDF:2028.3/4

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.149+/-0.732 χ^2/NDF:14.2/3

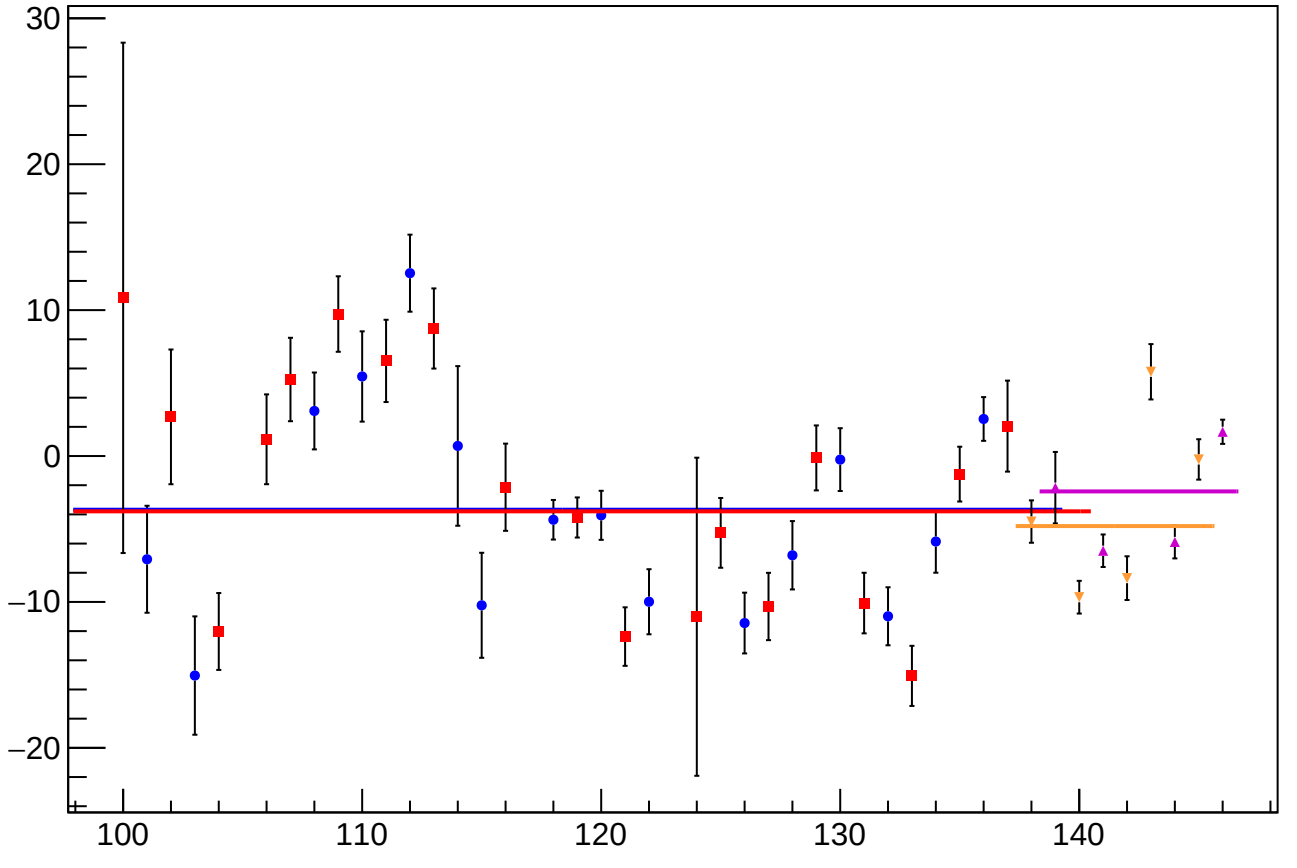
Left: 23.660+/-0.522 χ^2/NDF: 2066.1/8

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: -0.805+/-0.434 χ^2/NDF:4232.8/19

Out: -4.756+/-0.431 χ^2/NDF:5970.5/23

All: -2.792+/-0.306 χ^2/NDF: 10245.0/43



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -4.801+/-0.630 χ^2/NDF:66.6/4

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -2.425+/-0.558 χ^2/NDF:47.0/3

Left: -3.469+/-0.418 χ^2/NDF: 121.5/8

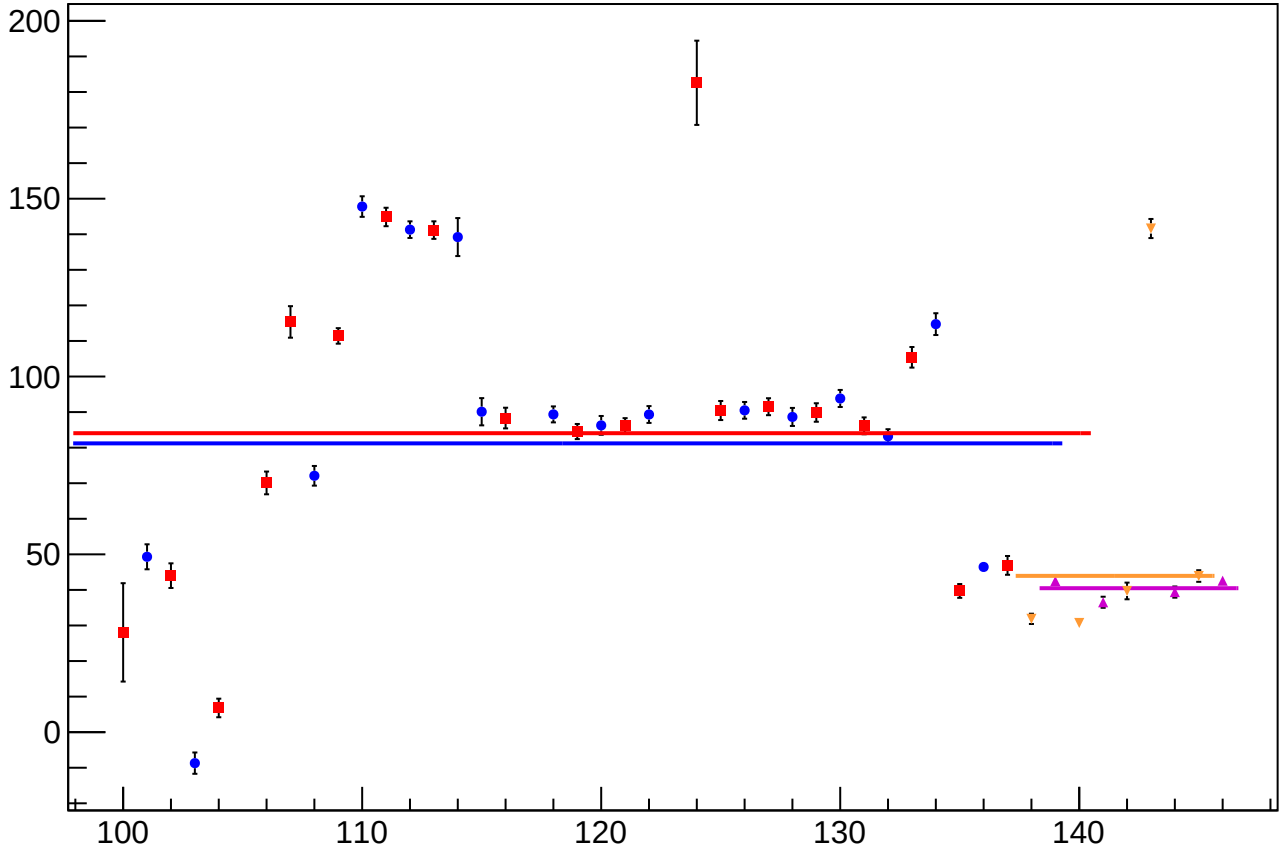
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.059+/-0.392 χ^2/NDF:173.5/19

Out: -4.239+/-0.420 χ^2/NDF:229.2/23

All: -3.609+/-0.287 χ^2/NDF: 407.0/43

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: 43.951+/-0.767 χ^2/NDF:1486.8/4

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.482+/-0.741 χ^2/NDF:11.2/3

Left: 42.157+/-0.533 χ^2/NDF: 1508.6/8

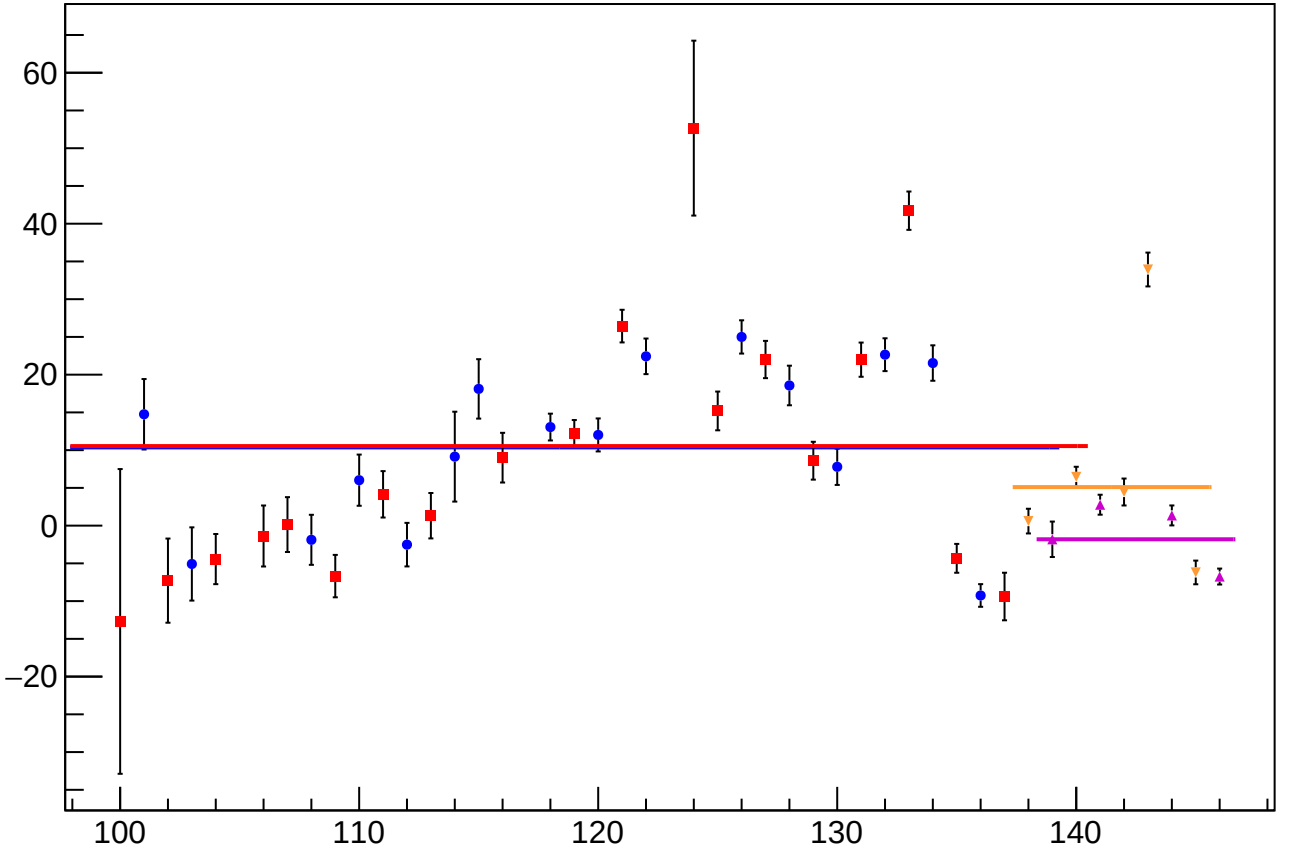
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 64.854+/-0.470 χ^2/NDF:5048.3/19

Out: 68.328+/-0.480 χ^2/NDF:6355.4/23

All: 66.552+/-0.336 χ^2/NDF: 11430.5/43

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 5.106+/-0.735 χ^2/NDF:226.2/4

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -1.809+/-0.671 χ^2/NDF:39.6/3

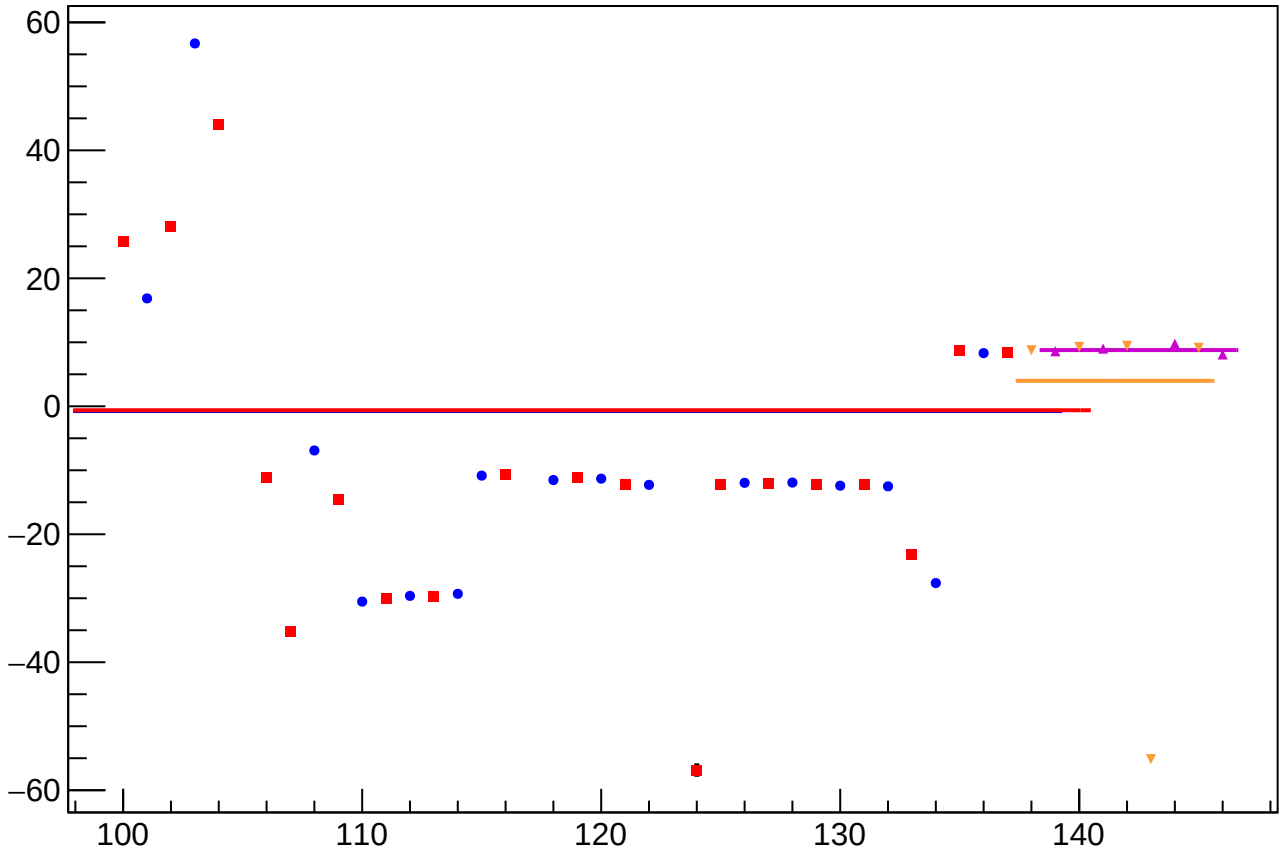
Left: 1.331+/-0.496 χ^2/NDF: 314.0/8

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 4.694+/-0.458 χ^2/NDF:575.3/19

Out: 8.197+/-0.483 χ^2/NDF:727.9/23

All: 6.352+/-0.332 χ^2/NDF: 1331.0/43



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 3.980+/-0.032 χ^2/NDF:304062.5/4

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.785+/-0.030 χ^2/NDF:354.7/3

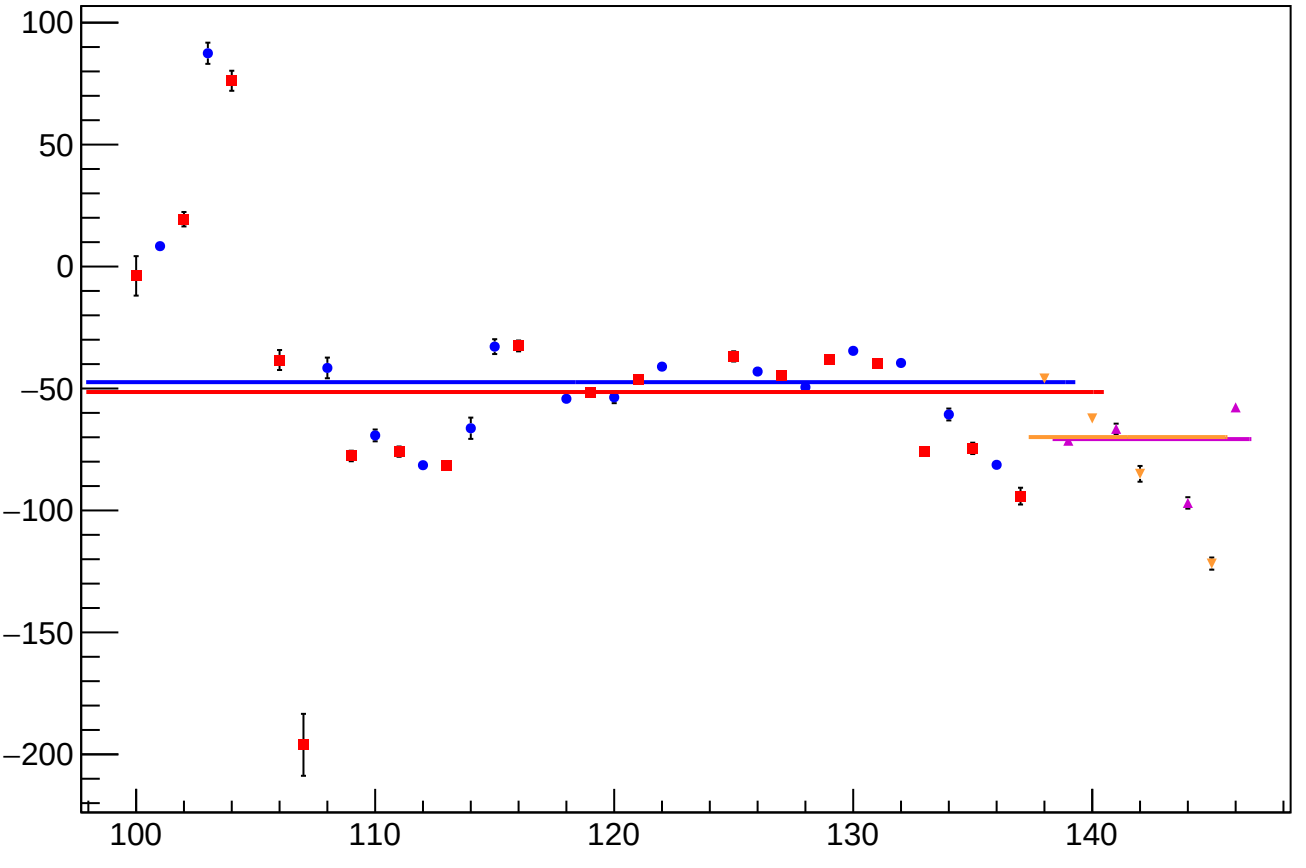
Left: 6.505+/-0.022 χ^2/NDF: 316634.1/8

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.872+/-0.023 χ^2/NDF:409932.1/19

Out: 2.066+/-0.024 χ^2/NDF:629410.9/23

All: 3.534+/-0.017 χ^2/NDF: 1046443.3/43



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -69.916+/-1.079 χ^2/NDF:653.9/3

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -70.742+/-0.989 χ^2/NDF:181.3/3

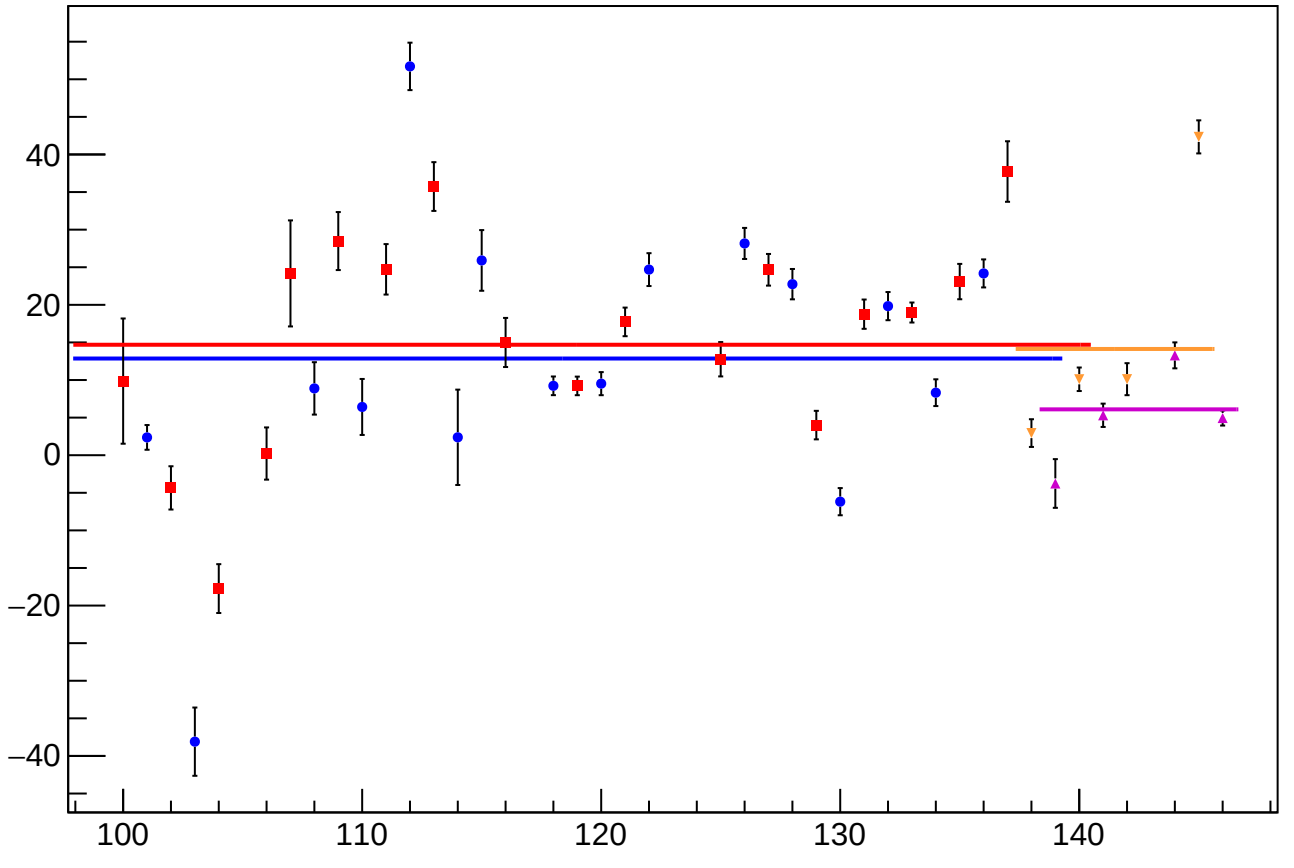
Left: -70.365+/-0.729 χ^2/NDF: 835.5/7

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -52.680+/-0.471 χ^2/NDF:3381.0/19

Out: -55.198+/-0.487 χ^2/NDF:3760.1/21

All: -53.897+/-0.338 χ^2/NDF: 7154.8/41



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 14.131+/-0.940 χ^2/NDF:211.6/3

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.098+/-0.737 χ^2/NDF:28.1/3

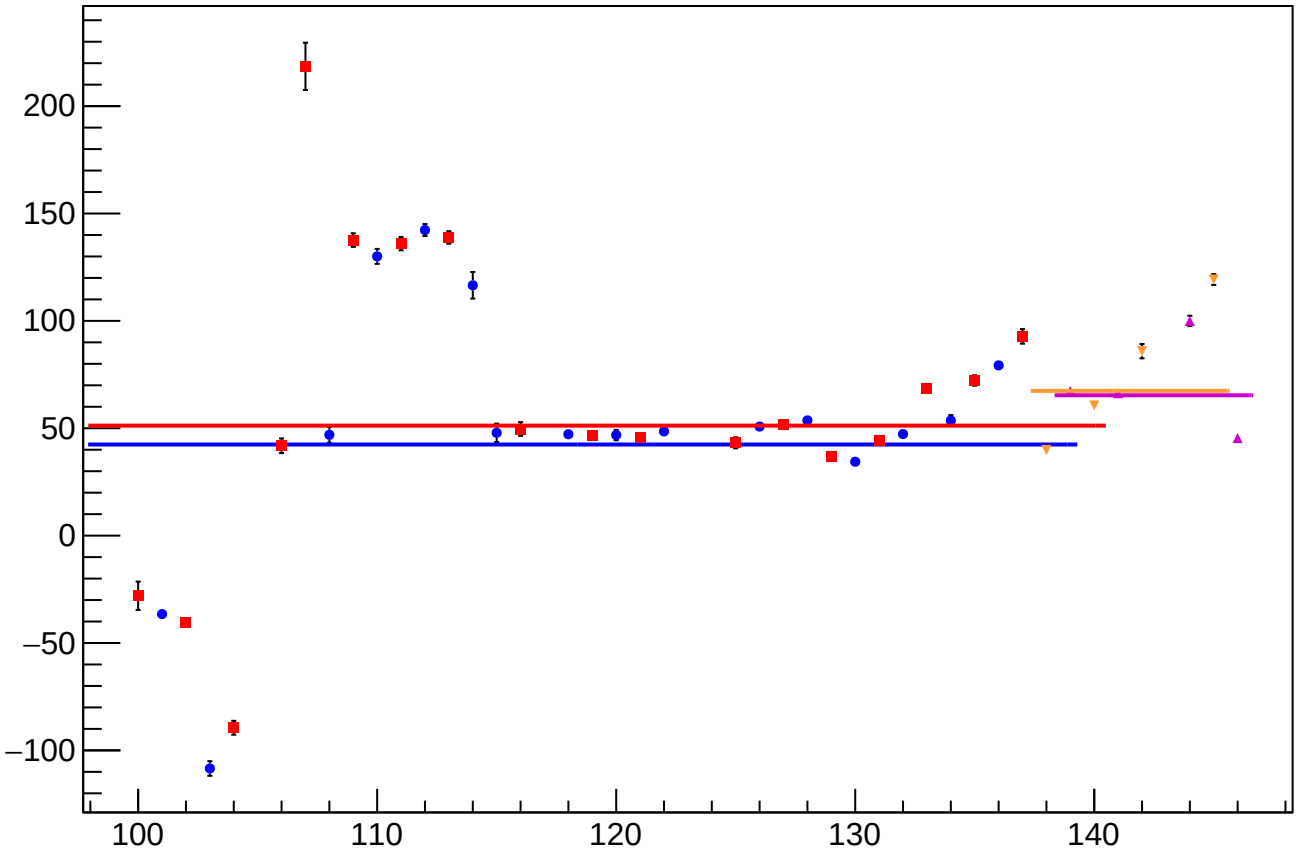
Left: 9.157+/-0.580 χ^2/NDF: 284.9/7

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 10.621+/-0.424 χ^2/NDF:709.9/19

Out: 14.550+/-0.471 χ^2/NDF:576.0/21

All: 12.381+/-0.315 χ^2/NDF: 1324.3/41



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 67.412+/-1.113 χ^2/NDF:687.9/3

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 65.366+/-0.998 χ^2/NDF:341.2/3

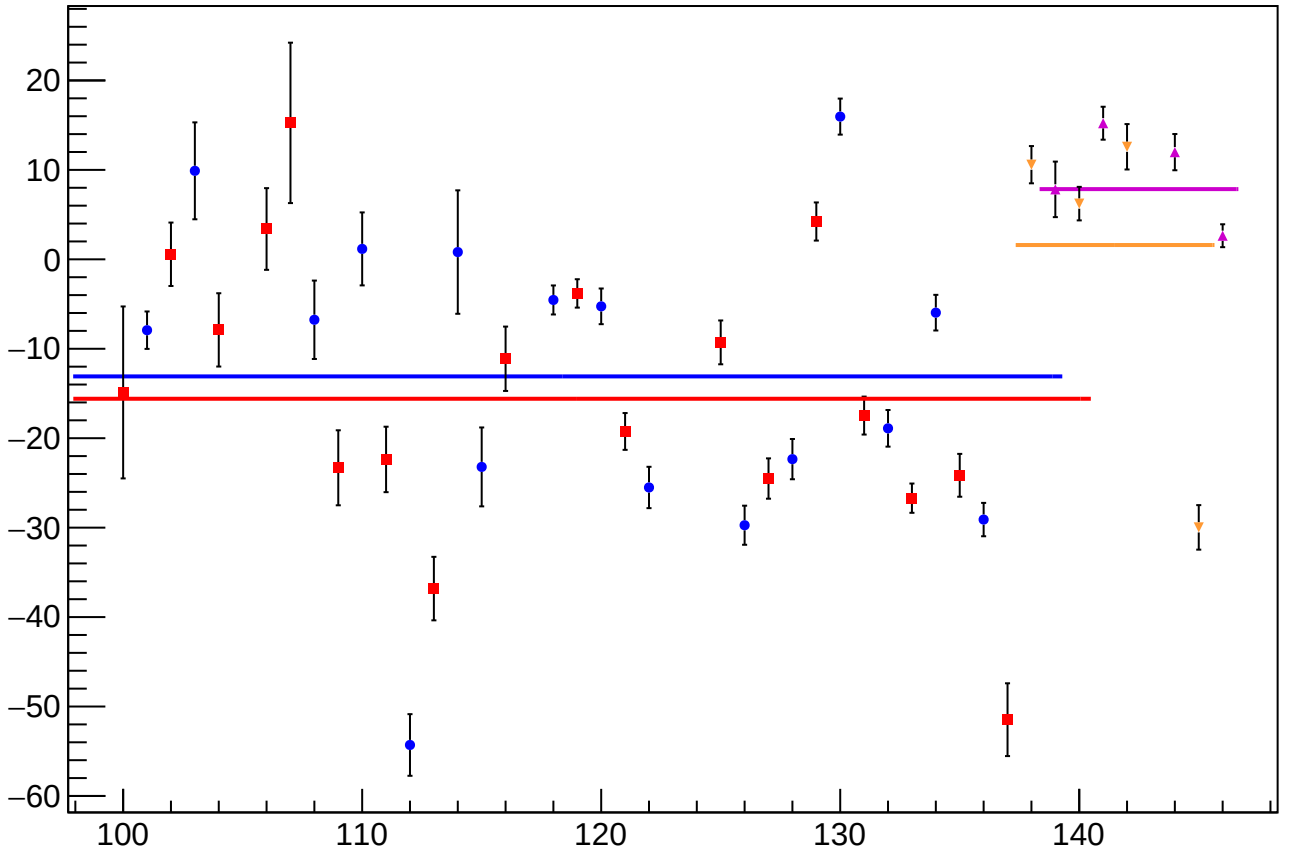
Left: 66.278+/-0.743 χ^2/NDF: 1031.0/7

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 48.288+/-0.504 χ^2/NDF:7903.0/19

Out: 55.012+/-0.538 χ^2/NDF:7461.3/21

All: 51.432+/-0.368 χ^2/NDF: 15447.5/41



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 1.599+/-1.097 χ^2/NDF:204.2/3

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 7.851+/-0.894 χ^2/NDF:36.7/3

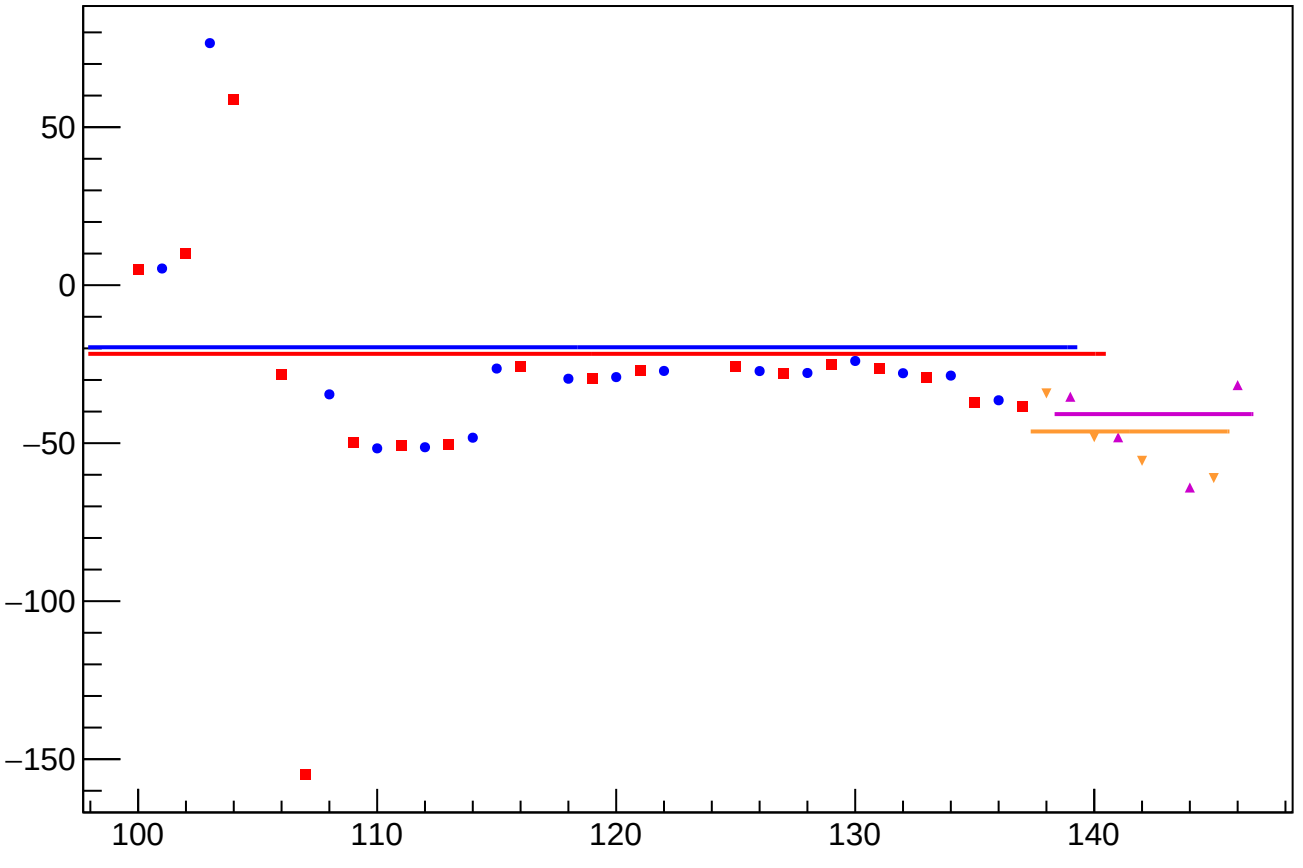
Left: 5.355+/-0.693 χ^2/NDF: 260.5/7

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -6.587+/-0.498 χ^2/NDF:1055.2/19

Out: -11.356+/-0.544 χ^2/NDF:791.2/21

All: -8.761+/-0.367 χ^2/NDF: 1888.3/41



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -46.295+/-0.046 χ^2/NDF:54133.9/3

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -40.801+/-0.040 χ^2/NDF:75008.7/3

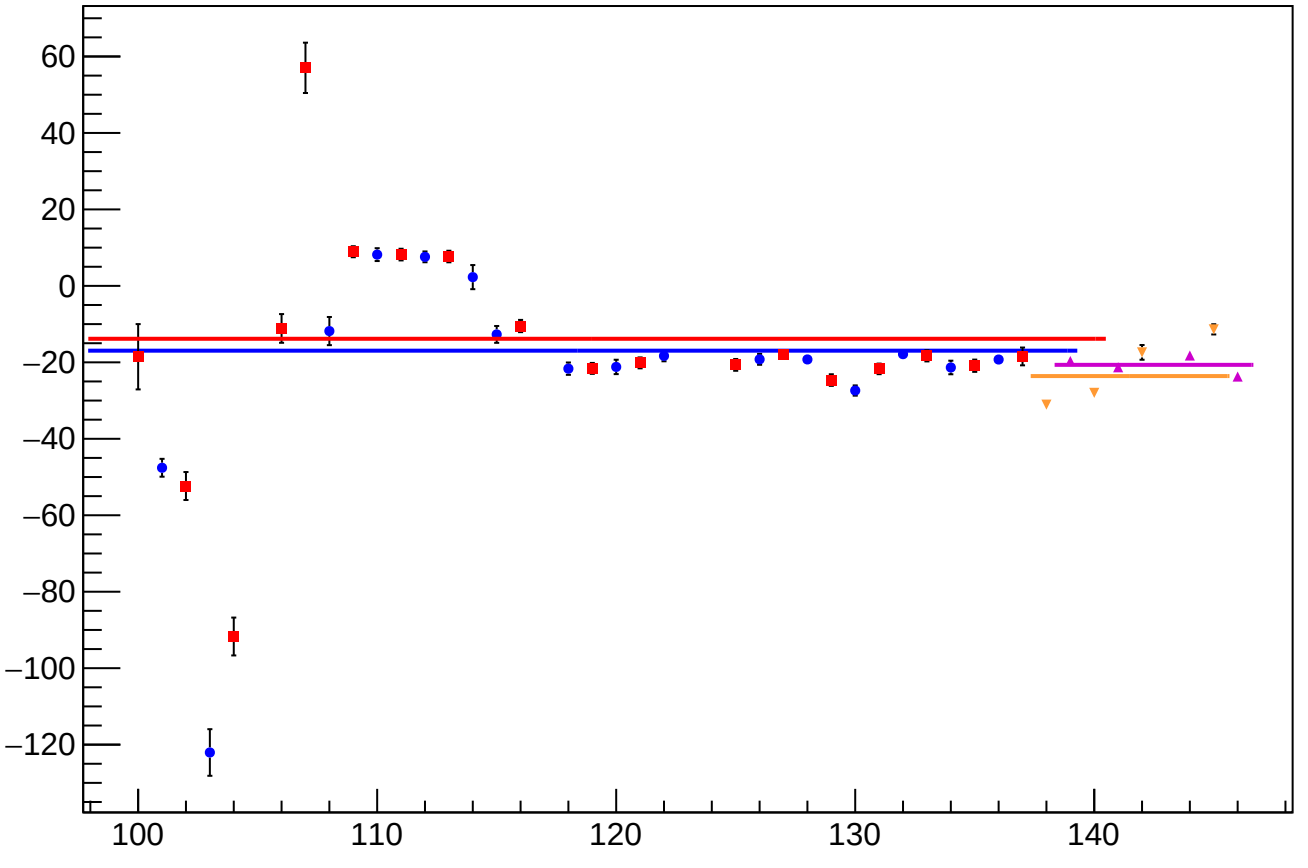
Left: -43.192+/-0.030 χ^2/NDF: 137276.1/7

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.095+/-0.027 χ^2/NDF:875268.0/19

Out: -32.026+/-0.030 χ^2/NDF:768041.3/21

All: -30.417+/-0.020 χ^2/NDF: 1648680.4/41



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -23.593+/-0.662 χ^2/NDF:147.5/3

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -20.657+/-0.627 χ^2/NDF:10.3/3

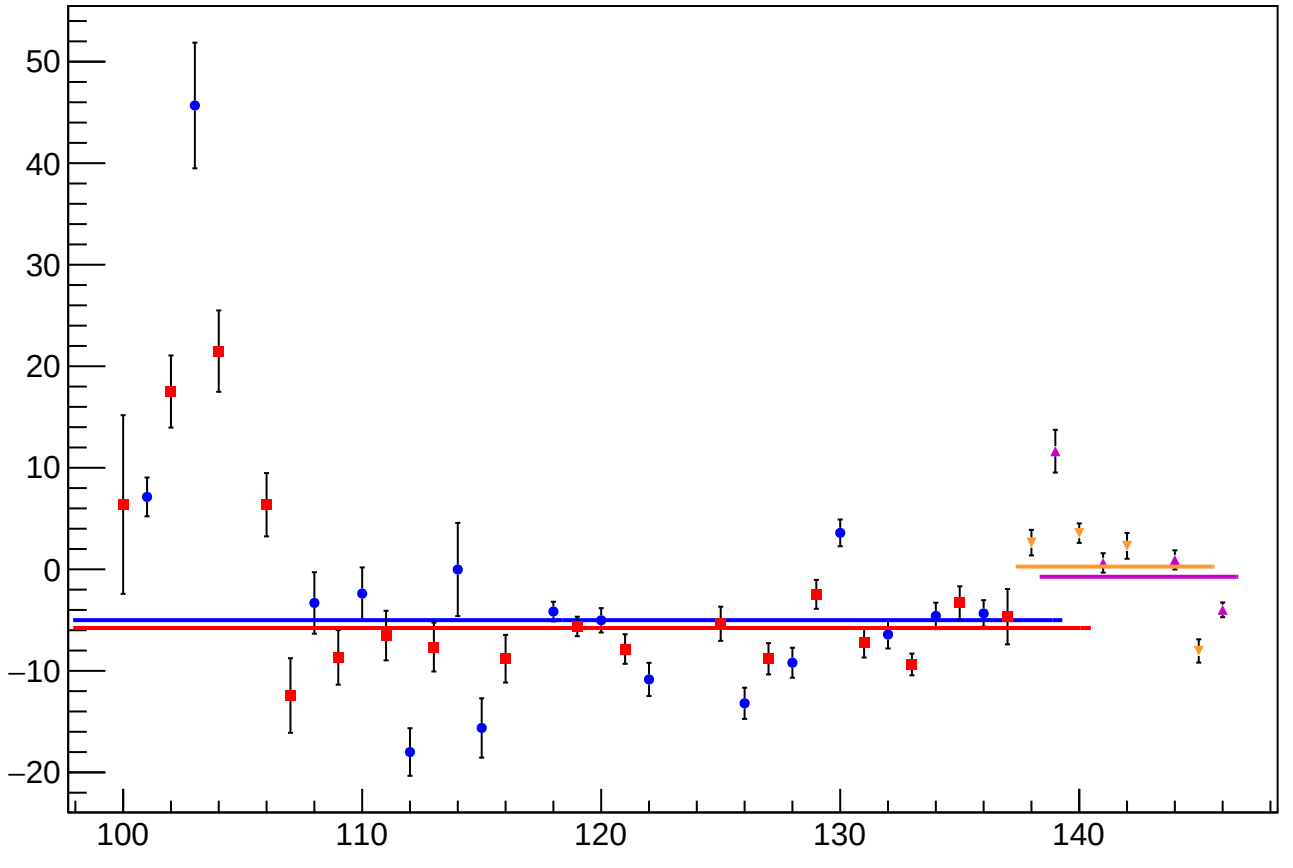
Left: -22.046+/-0.455 χ^2/NDF: 168.2/7

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -18.036+/-0.340 χ^2/NDF:1163.2/19

Out: -16.536+/-0.348 χ^2/NDF:1637.9/21

All: -17.305+/-0.243 χ^2/NDF: 2810.7/41



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: 0.270+/-0.568 χ^2/NDF:70.4/3

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -0.732+/-0.481 χ^2/NDF:59.6/3

Left: -0.314+/-0.367 χ^2/NDF: 131.8/7

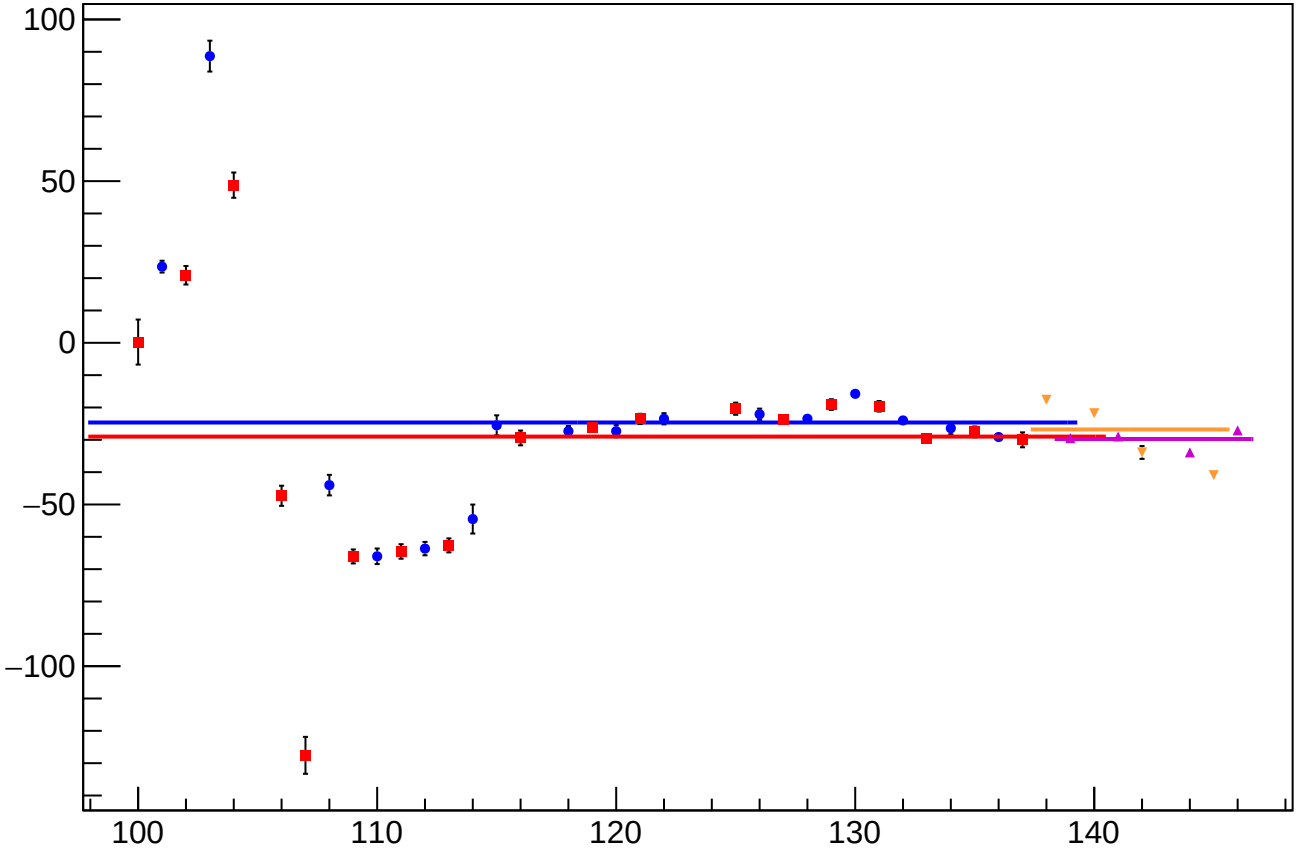
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.253+/-0.308 χ^2/NDF:353.8/19

Out: -3.646+/-0.337 χ^2/NDF:283.1/21

All: -3.431+/-0.228 χ^2/NDF: 637.7/41

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: -26.794+/-0.682 χ^2/NDF:192.2/3

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -29.746+/-0.636 χ^2/NDF:15.0/3

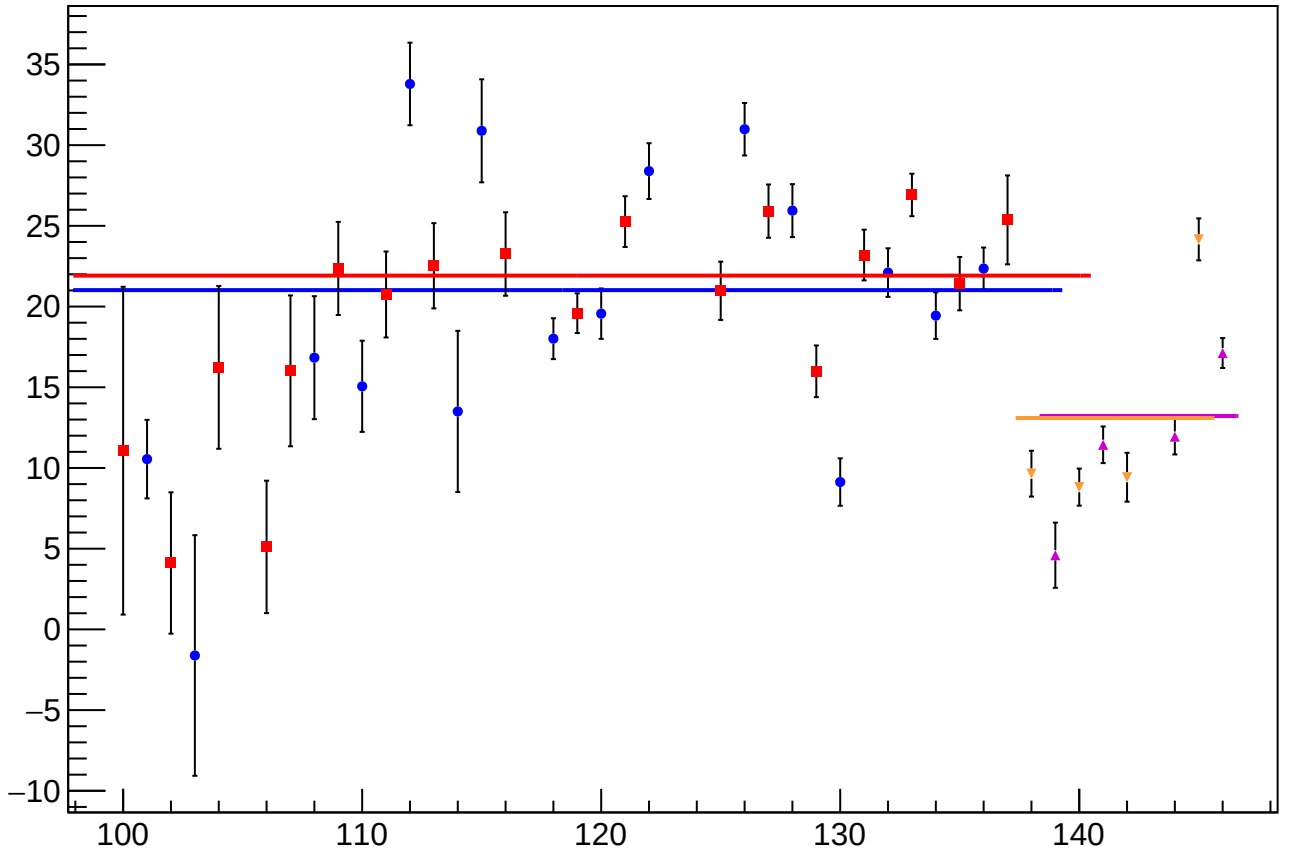
Left: -28.374+/-0.465 χ^2/NDF: 217.2/7

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -26.370+/-0.370 χ^2/NDF:2109.4/19

Out: -28.281+/-0.390 χ^2/NDF:2151.5/21

All: -27.275+/-0.268 χ^2/NDF: 4273.6/41



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 13.096+/-0.662 χ^2/NDF:98.3/3

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 13.221+/-0.577 χ^2/NDF:39.8/3

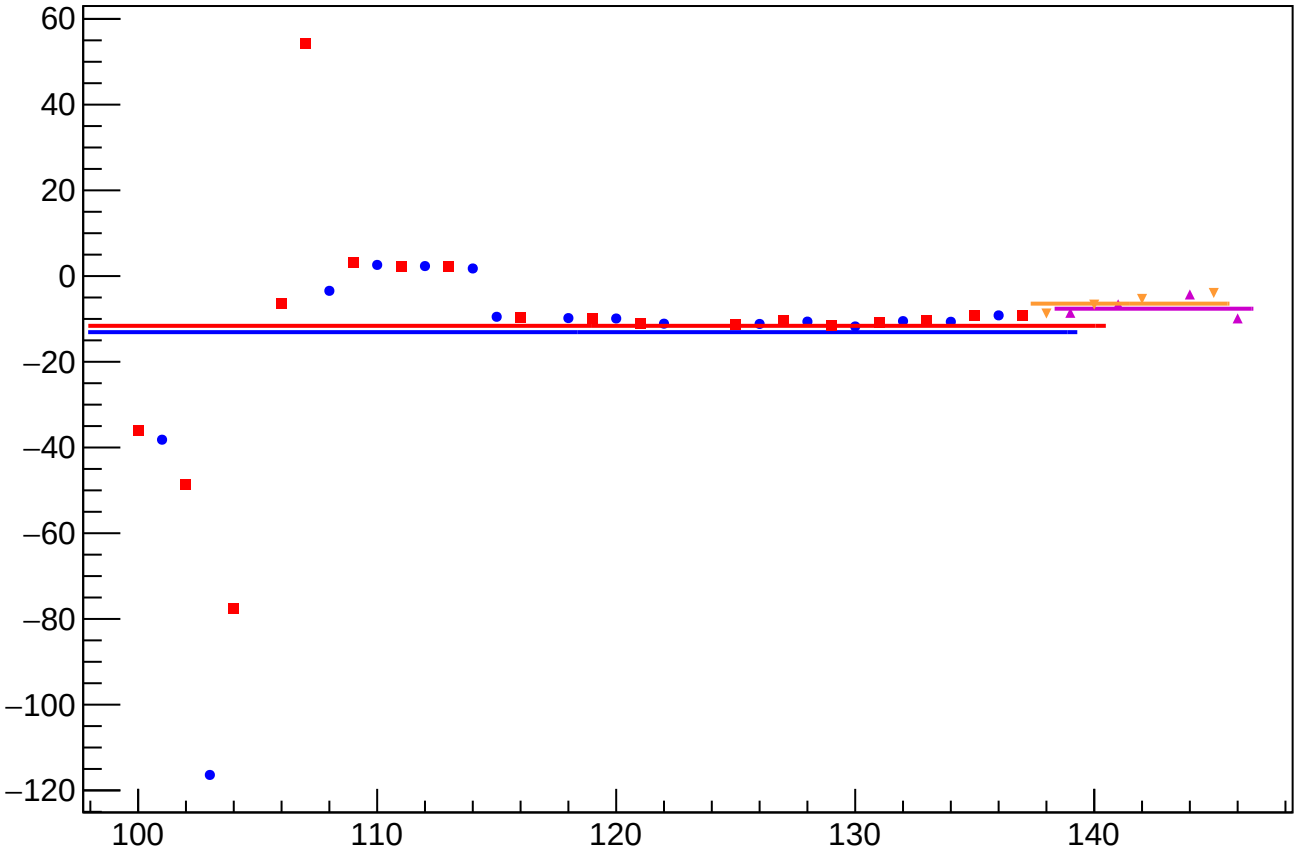
Left: 13.167+/-0.435 χ^2/NDF: 138.1/7

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.003+/-0.359 χ^2/NDF:361.4/19

Out: 18.889+/-0.388 χ^2/NDF:297.6/21

All: 18.412+/-0.263 χ^2/NDF: 661.8/41



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -6.434+/-0.028 χ^2/NDF:4531.2/3

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -7.614+/-0.026 χ^2/NDF:5835.6/3

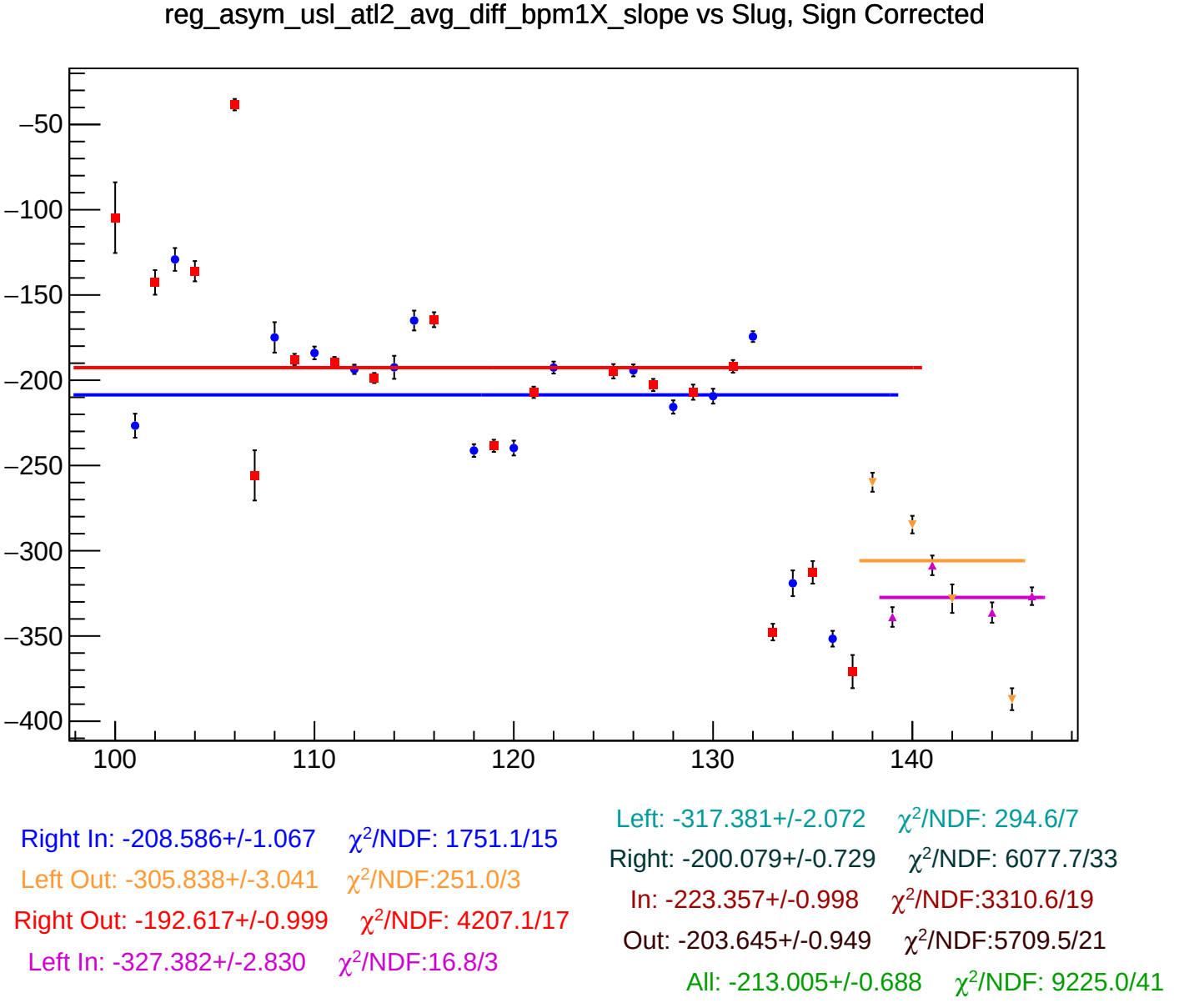
Left: -7.074+/-0.019 χ^2/NDF: 11330.7/7

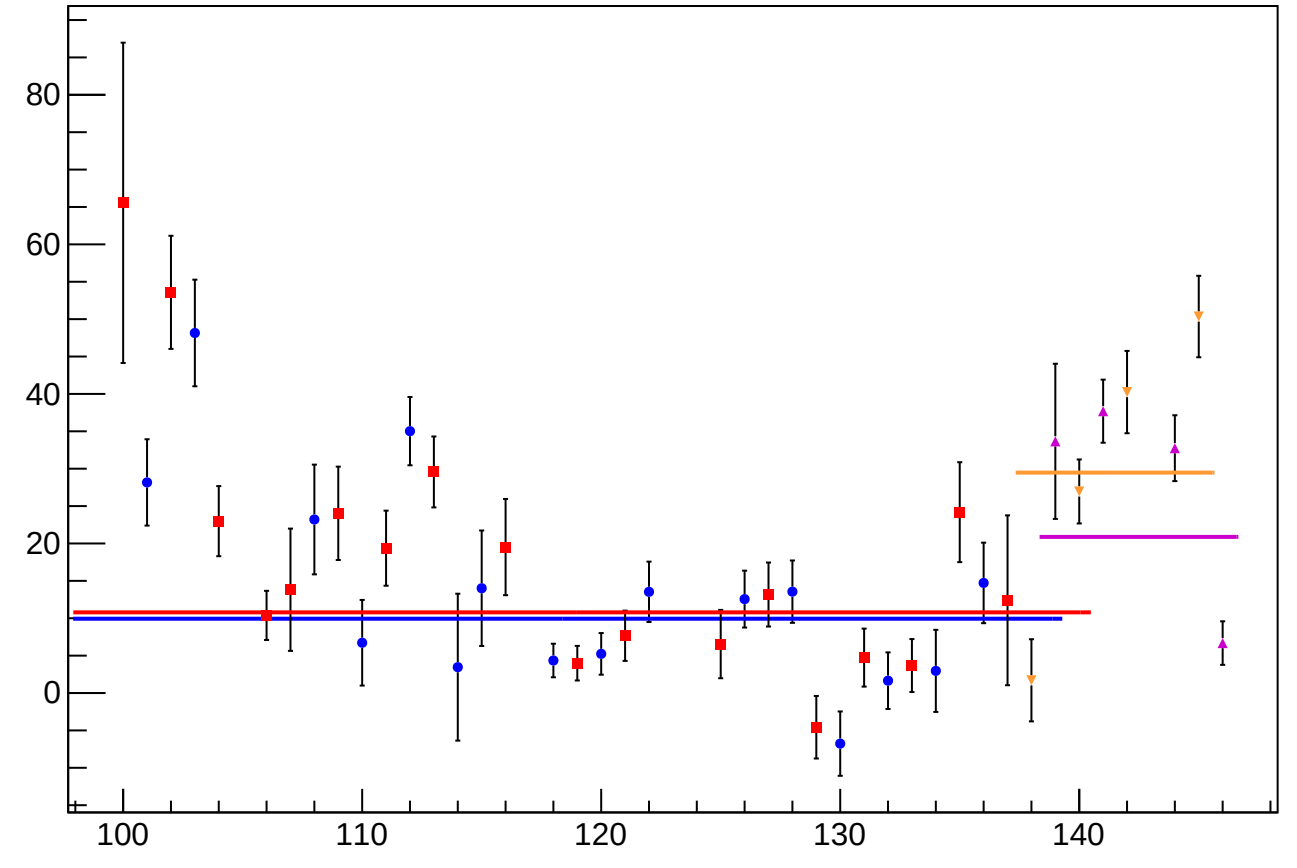
Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.078+/-0.019 χ^2/NDF:371170.1/19

Out: -8.769+/-0.021 χ^2/NDF:334124.6/21

All: -9.479+/-0.014 χ^2/NDF: 707451.9/41


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
110
120
130
140
Right In: -208.586+/-1.067 χ²/NDF: 1751.1/15
Left Out: -305.838+/-3.041 χ²/NDF:251.0/3
Right Out: -192.617+/-0.999 χ²/NDF: 4207.1/17
Left In: -327.382+/-2.830 χ²/NDF:16.8/3
Left: -317.381+/-2.072 χ²/NDF: 294.6/7
Right: -200.079+/-0.729 χ²/NDF: 6077.7/33
In: -223.357+/-0.998 χ²/NDF:3310.6/19
Out: -203.645+/-0.949 χ²/NDF:5709.5/21
All: -213.005+/-0.688 χ²/NDF: 9225.0/41



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 29.478+/-2.544 χ^2/NDF:44.4/3

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 20.880+/-2.062 χ^2/NDF:48.5/3

Left: 24.289+/-1.602 χ^2/NDF: 99.8/7

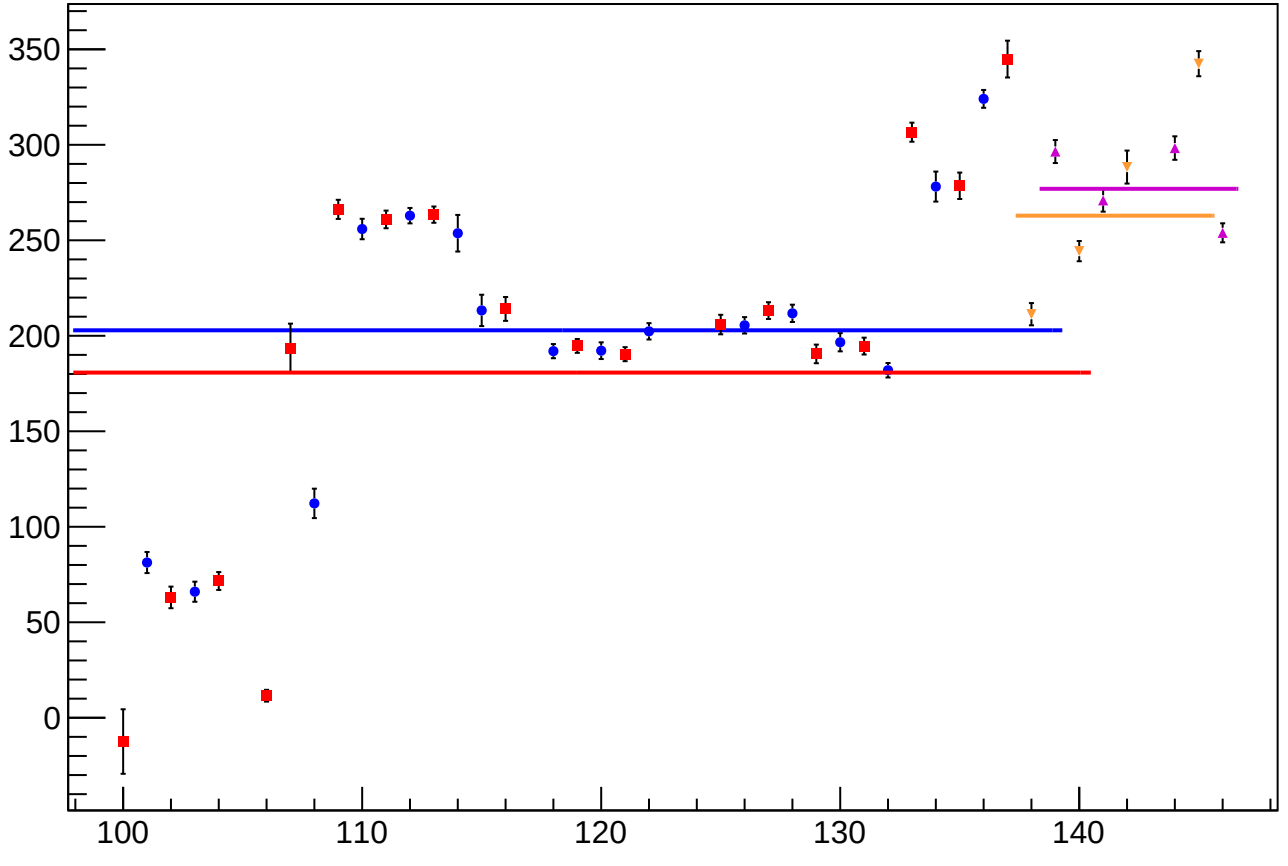
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 12.244+/-0.947 χ^2/NDF:177.3/19

Out: 13.480+/-0.965 χ^2/NDF:195.7/21

All: 12.849+/-0.676 χ^2/NDF: 373.8/41

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: 262.891+/-3.136 χ^2/NDF:246.0/3

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 276.958+/-2.854 χ^2/NDF:45.0/3

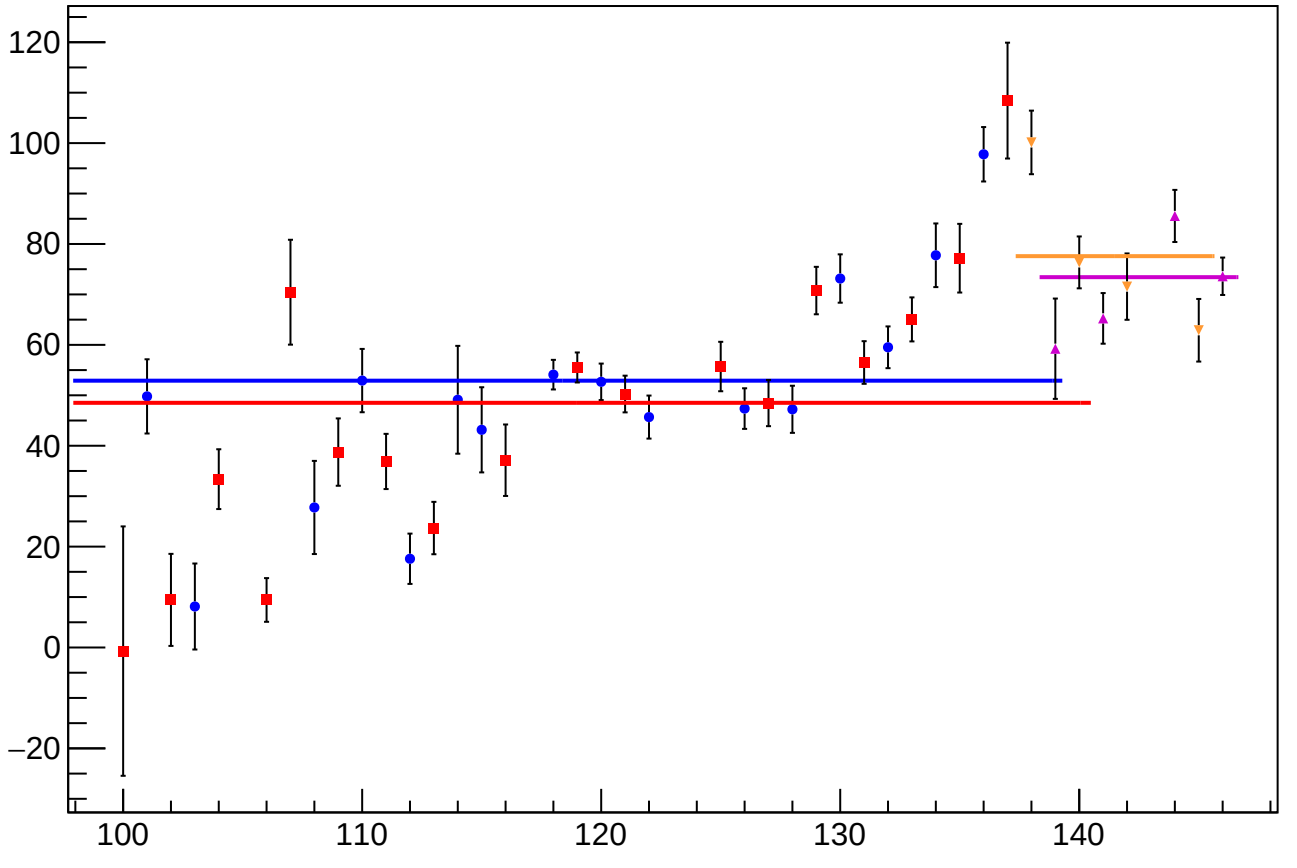
Left: 270.585+/-2.111 χ^2/NDF: 302.0/7

Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 214.409+/-1.126 χ^2/NDF:3078.1/19

Out: 190.375+/-1.074 χ^2/NDF:7199.7/21

All: 201.828+/-0.777 χ^2/NDF: 10516.3/41



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 77.588+/-2.987 χ^2/NDF:19.3/3

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 73.422+/-2.500 χ^2/NDF:10.2/3

Left: 75.138+/-1.917 χ^2/NDF: 30.7/7

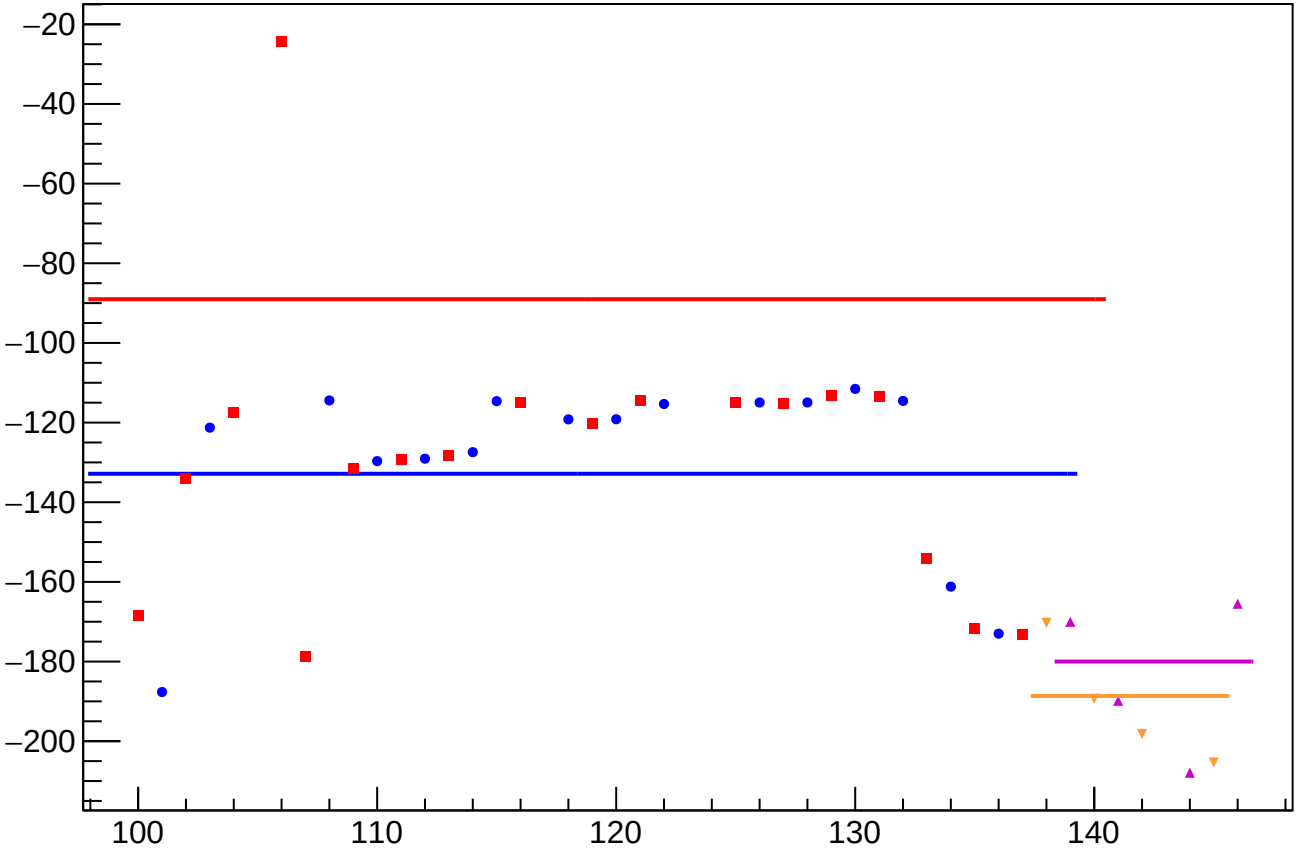
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 56.958+/-1.112 χ^2/NDF:262.6/19

Out: 52.634+/-1.125 χ^2/NDF:340.6/21

All: 54.821+/-0.791 χ^2/NDF: 610.7/41

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: -188.640+/-0.130 χ^2/NDF:10993.8/3

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -180.004+/-0.117 χ^2/NDF:18638.3/3

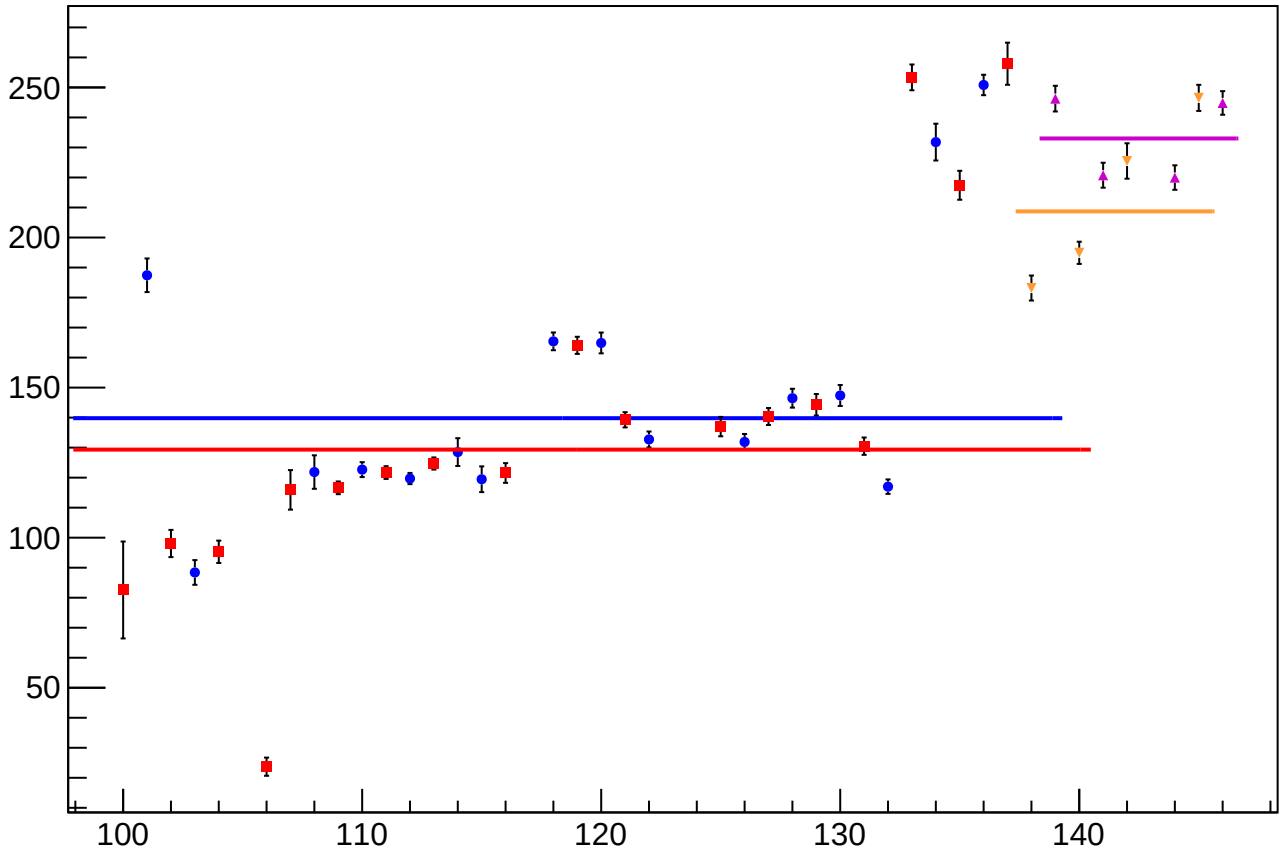
Left: -183.841+/-0.087 χ^2/NDF: 32071.1/7

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -148.300+/-0.067 χ^2/NDF:222155.5/19

Out: -108.450+/-0.058 χ^2/NDF:1209189.2/21

All: -125.460+/-0.044 χ^2/NDF: 1635855.6/41



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 208.710+/-2.170 χ^2/NDF:135.3/3

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 233.000+/-2.053 χ^2/NDF:37.5/3

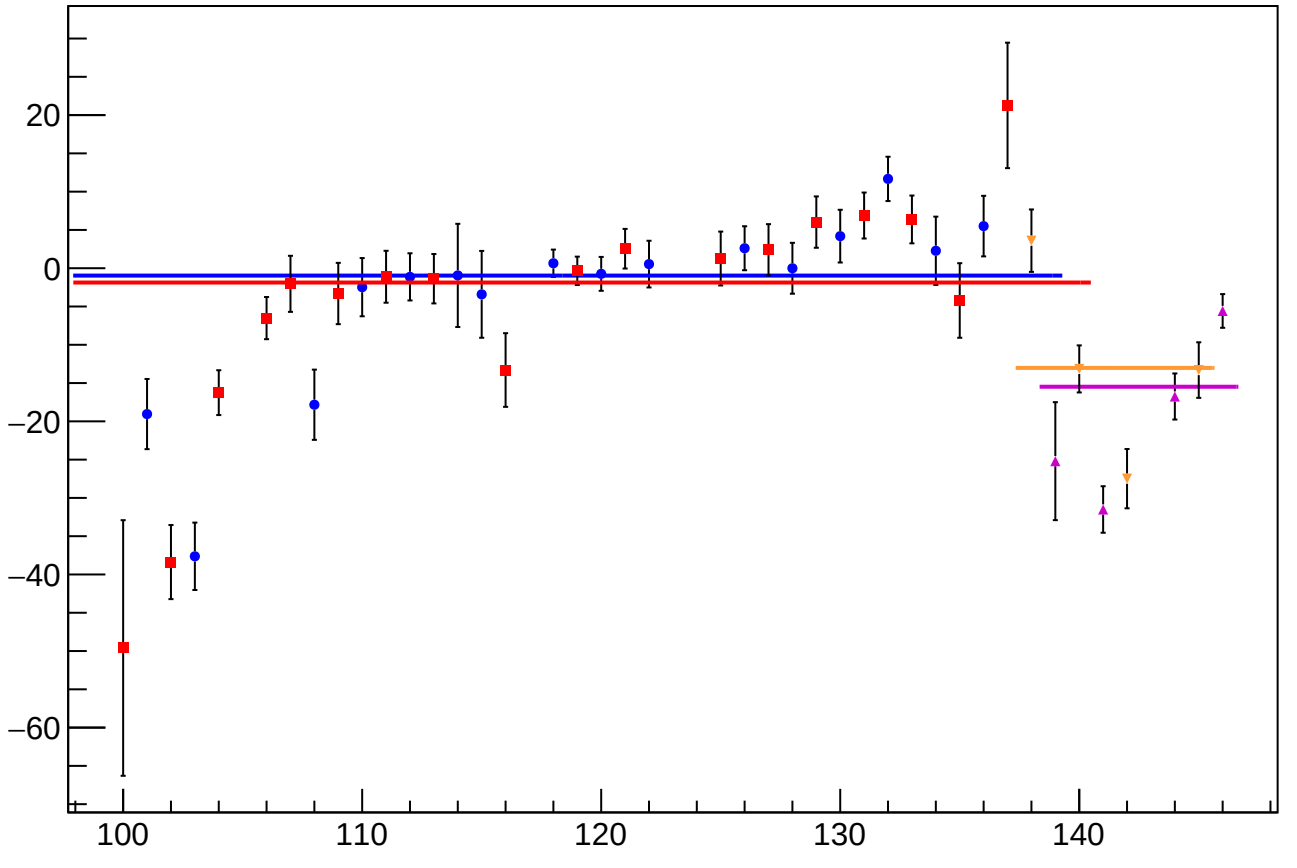
Left: 221.524+/-1.491 χ^2/NDF: 239.0/7

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 151.683+/-0.733 χ^2/NDF:3799.9/19

Out: 137.499+/-0.696 χ^2/NDF:4459.4/21

All: 144.220+/-0.504 χ^2/NDF: 8456.4/41



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -13.020+/-1.800 χ^2/NDF:30.6/3

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -15.479+/-1.504 χ^2/NDF:49.8/3

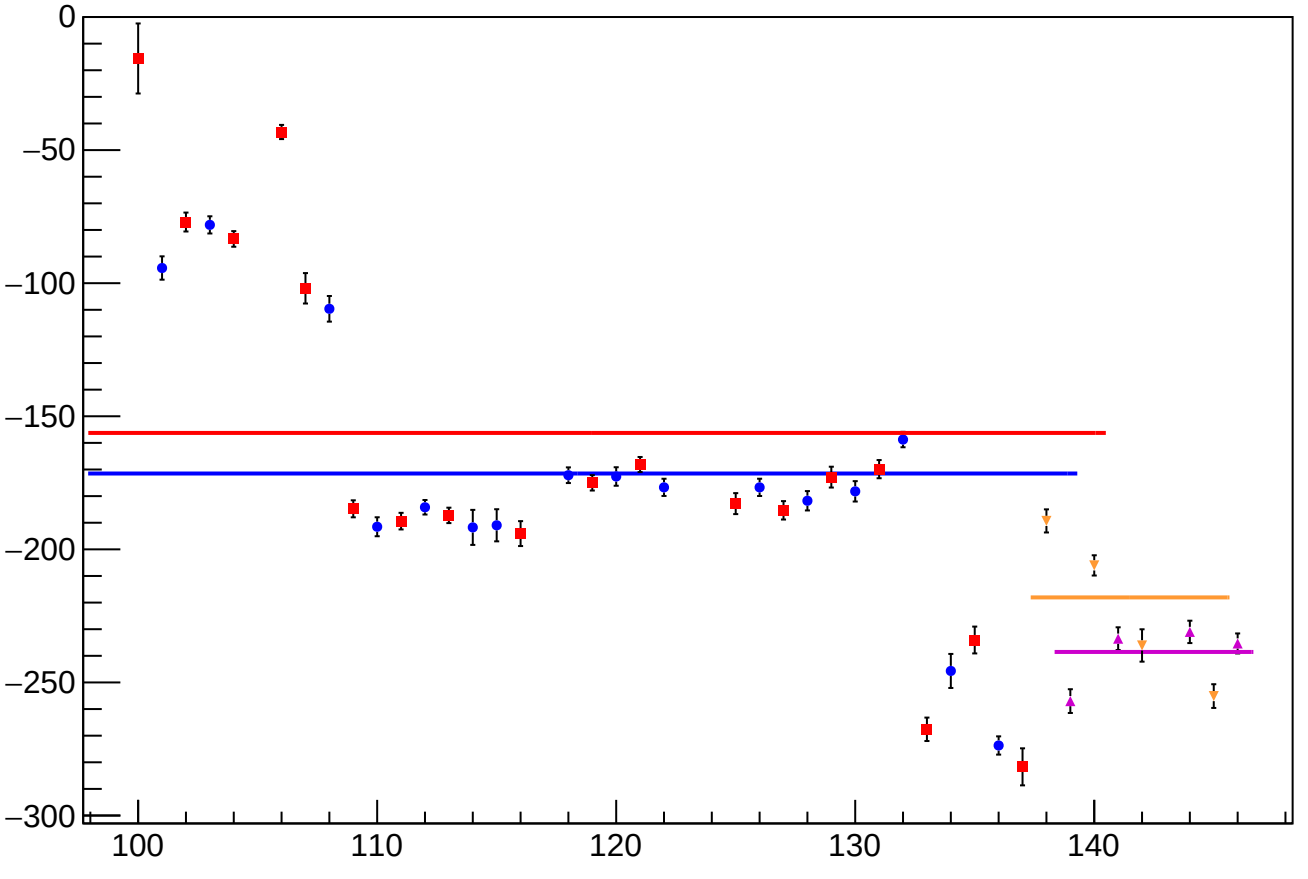
Left: -14.468+/-1.154 χ^2/NDF: 81.5/7

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -4.215+/-0.712 χ^2/NDF:248.2/19

Out: -3.645+/-0.718 χ^2/NDF:196.0/21

All: -3.933+/-0.506 χ^2/NDF: 444.5/41



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -218.055+/-2.239 χ^2/NDF:131.8/3

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -238.545+/-2.074 χ^2/NDF:22.4/3

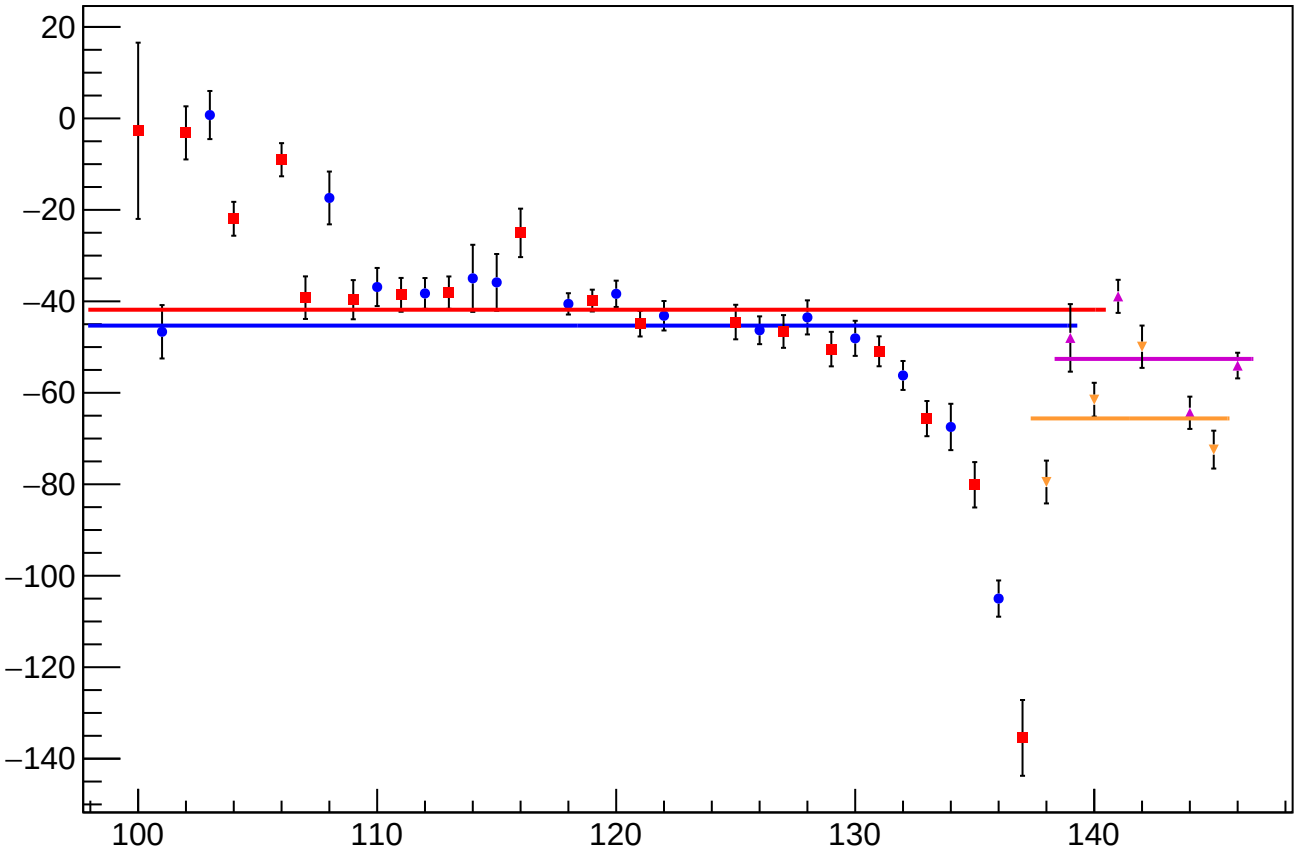
Left: -229.082+/-1.521 χ^2/NDF: 199.4/7

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -182.267+/-0.831 χ^2/NDF:3342.5/19

Out: -164.004+/-0.792 χ^2/NDF:5702.7/21

All: -172.704+/-0.573 χ^2/NDF: 9298.3/41



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -65.603+/-2.114 χ^2/NDF:24.2/3

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -52.588+/-1.819 χ^2/NDF:26.1/3

Left: -58.125+/-1.379 χ^2/NDF: 72.1/7

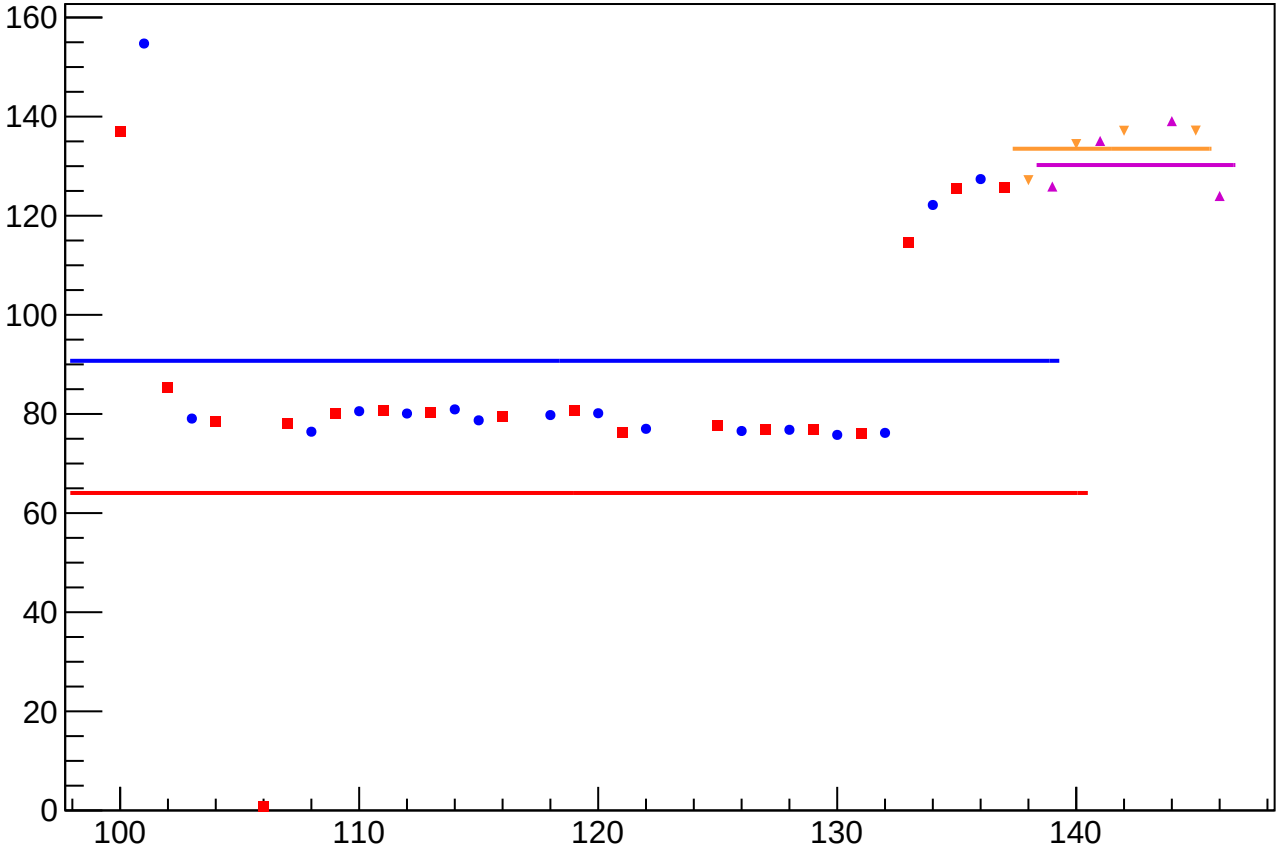
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -46.834+/-0.833 χ^2/NDF:420.8/19

Out: -45.545+/-0.835 χ^2/NDF:545.2/21

All: -46.191+/-0.590 χ^2/NDF: 967.2/41

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: 133.517+/-0.093 χ^2/NDF:1987.6/3

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 130.228+/-0.085 χ^2/NDF:5226.8/3

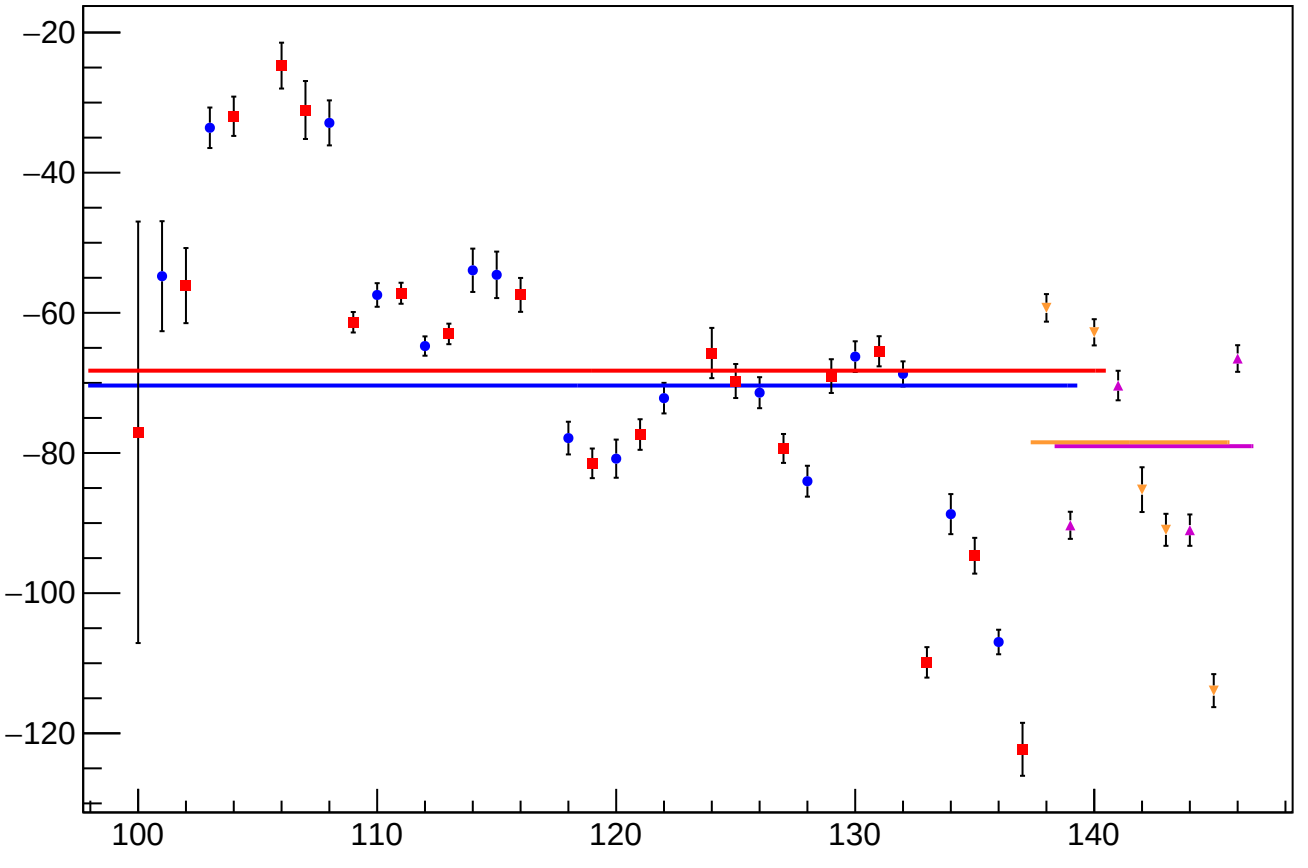
Left: 131.723+/-0.063 χ^2/NDF: 7895.8/7

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 103.428+/-0.048 χ^2/NDF:313082.9/19

Out: 79.282+/-0.044 χ^2/NDF:1098041.5/21

All: 90.144+/-0.032 χ^2/NDF: 1549348.1/41



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -78.475+/-0.993 χ^2/NDF:426.1/4

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -79.028+/-1.016 χ^2/NDF:122.8/3

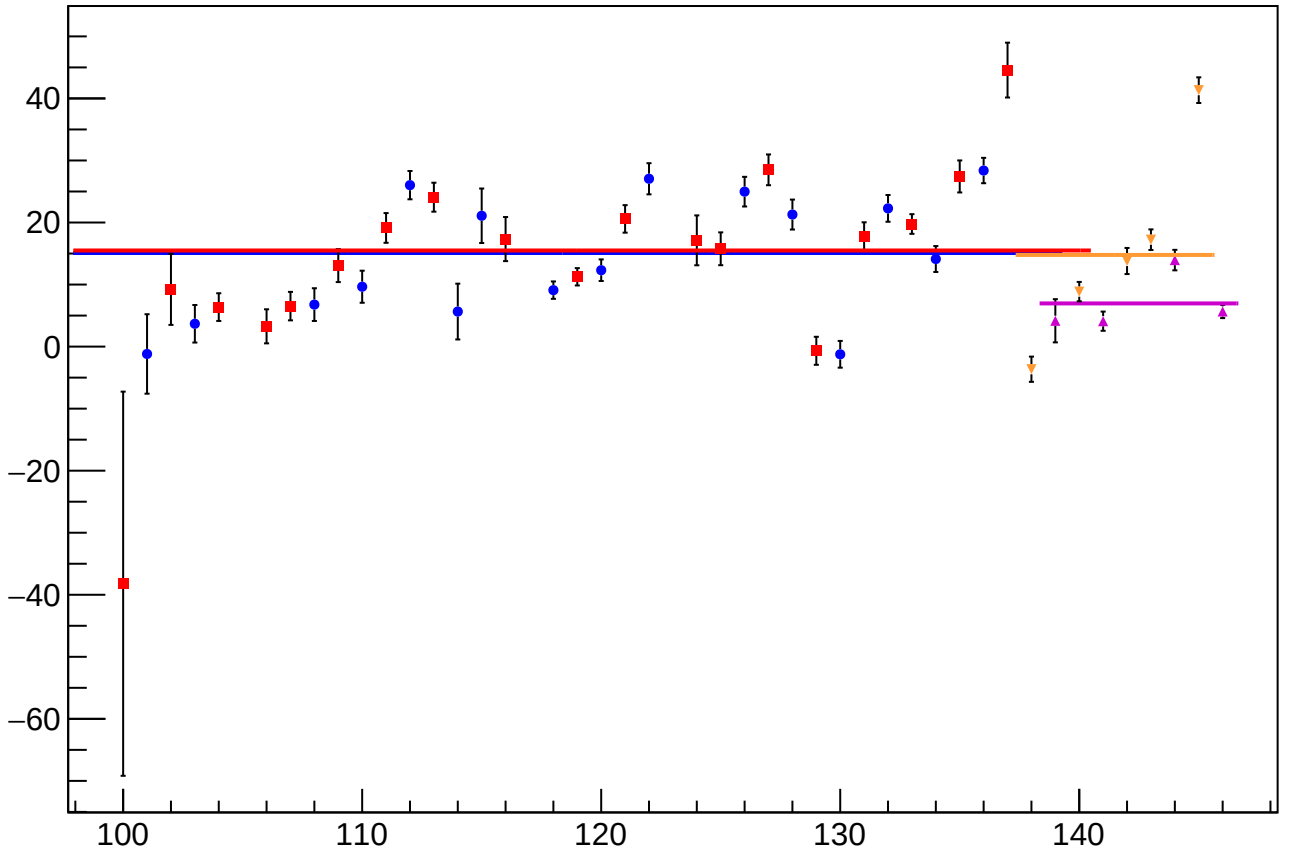
Left: -78.745+/-0.710 χ^2/NDF: 549.1/8

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -72.378+/-0.489 χ^2/NDF:1153.5/19

Out: -70.496+/-0.465 χ^2/NDF:1814.8/23

All: -71.390+/-0.337 χ^2/NDF: 2976.1/43



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 14.774+/-0.824 χ^2/NDF:263.6/4

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.960+/-0.758 χ^2/NDF:23.4/3

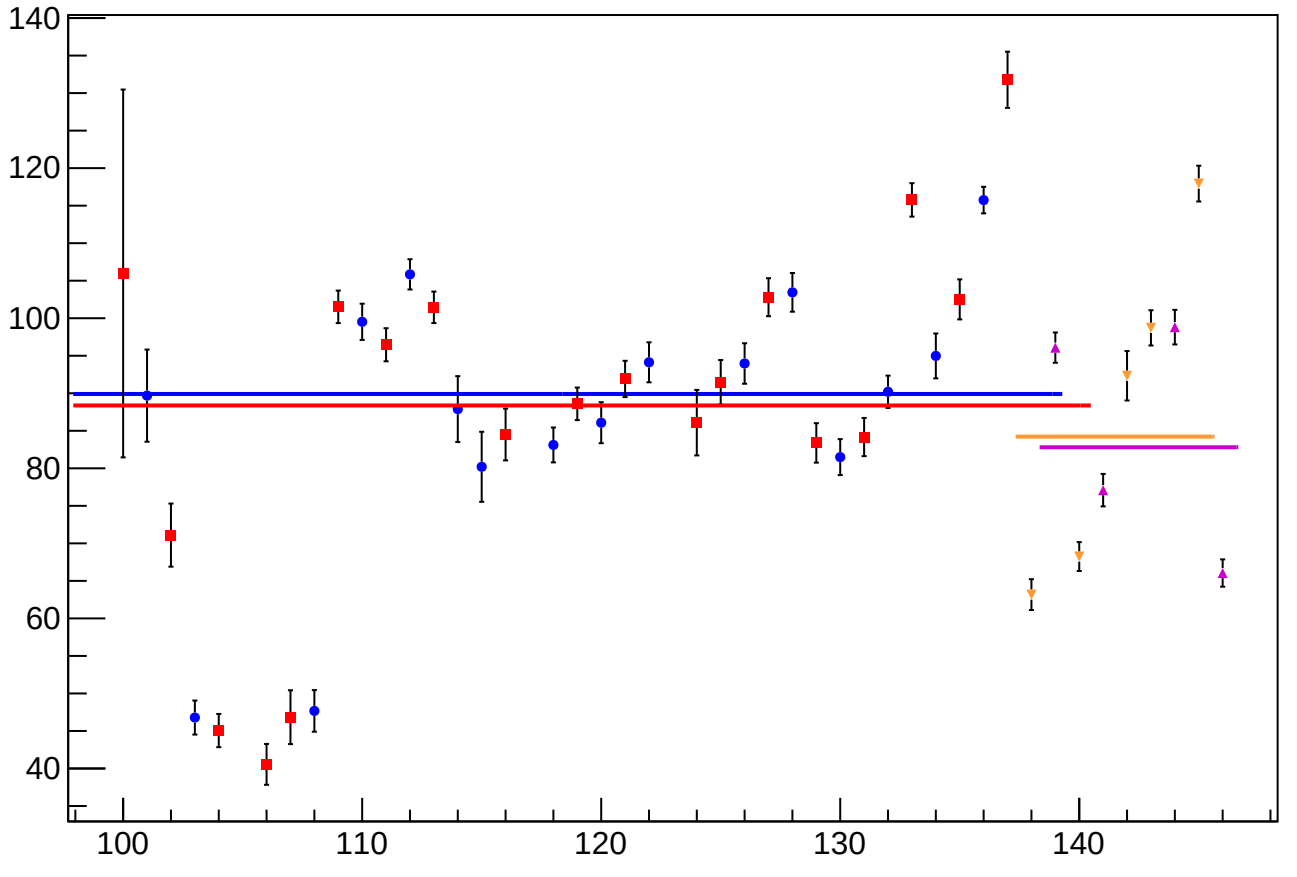
Left: 10.541+/-0.558 χ^2/NDF: 335.8/8

Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 12.081+/-0.461 χ^2/NDF:338.4/19

Out: 15.266+/-0.462 χ^2/NDF:503.4/23

All: 13.670+/-0.326 χ^2/NDF: 865.6/43



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 84.223+/-1.022 χ^2/NDF:418.3/4

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 82.806+/-1.026 χ^2/NDF:183.3/3

Left: 83.517+/-0.724 χ^2/NDF: 602.5/8

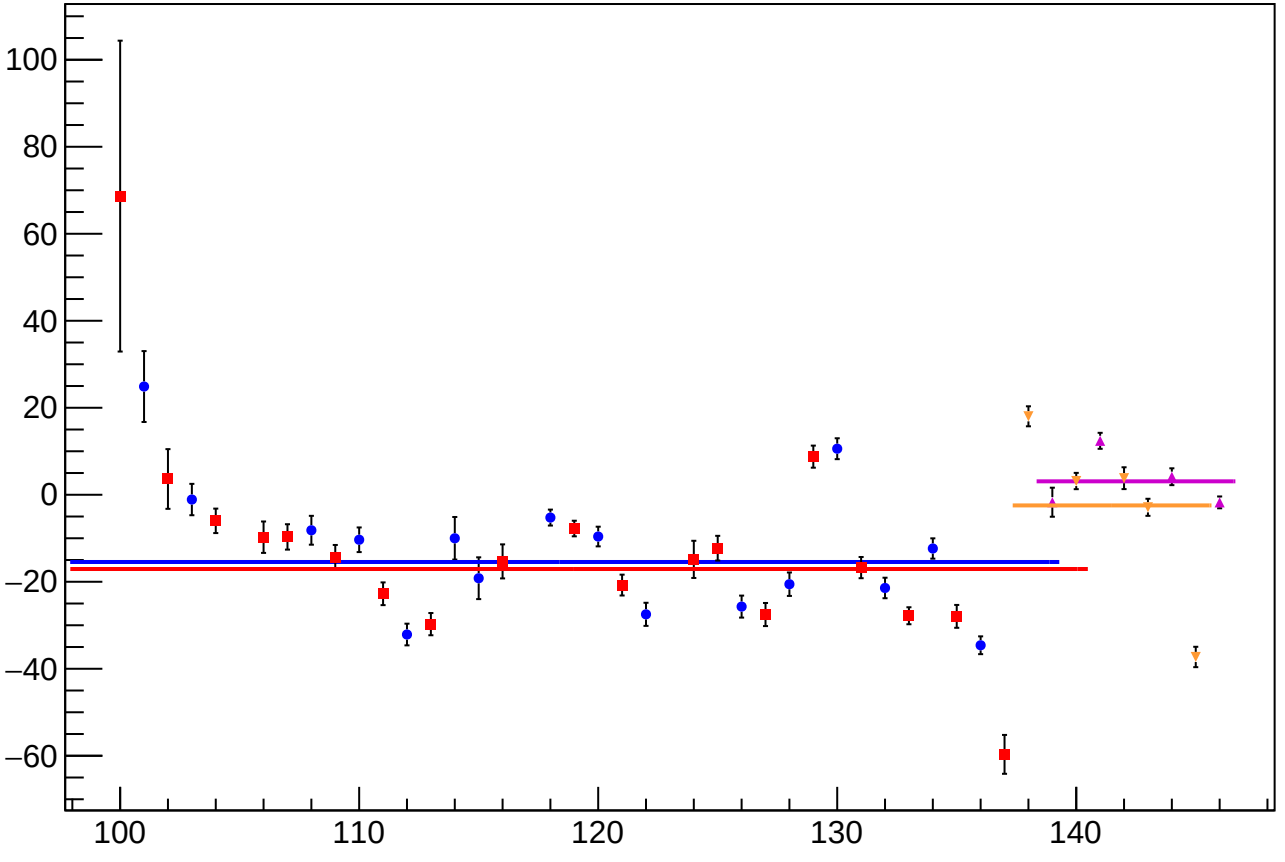
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 87.915+/-0.543 χ^2/NDF:1165.4/19

Out: 87.265+/-0.529 χ^2/NDF:1719.3/23

All: 87.581+/-0.379 χ^2/NDF: 2885.4/43

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -2.449+/-0.964 χ^2/NDF:315.9/4

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 3.088+/-0.916 χ^2/NDF:40.7/3

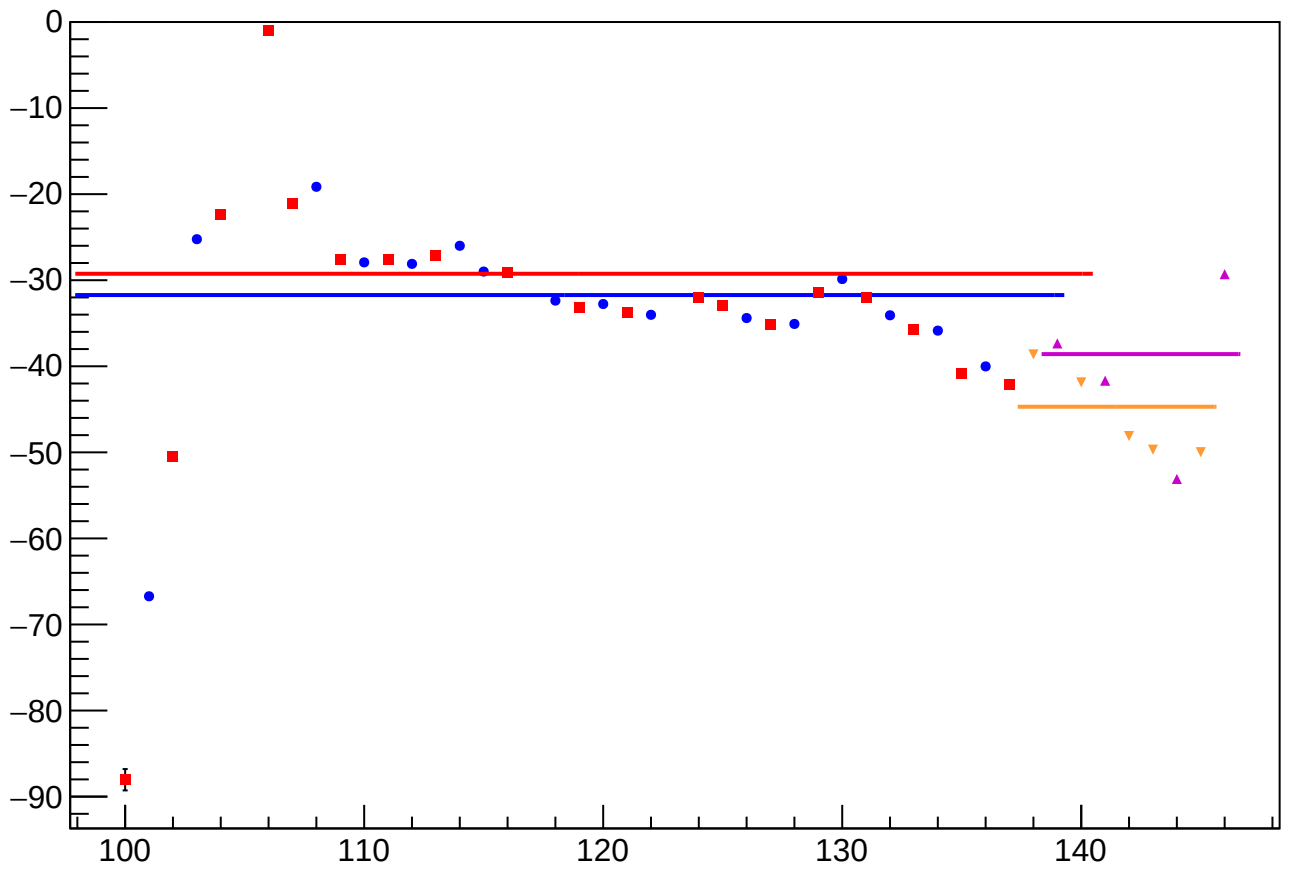
Left: 0.463+/-0.664 χ^2/NDF: 373.9/8

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -9.044+/-0.538 χ^2/NDF:695.6/19

Out: -12.561+/-0.535 χ^2/NDF:835.8/23

All: -10.812+/-0.380 χ^2/NDF: 1552.9/43



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -44.700+/-0.042 χ^2/NDF:13100.0/4

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -38.585+/-0.042 χ^2/NDF:35323.5/3

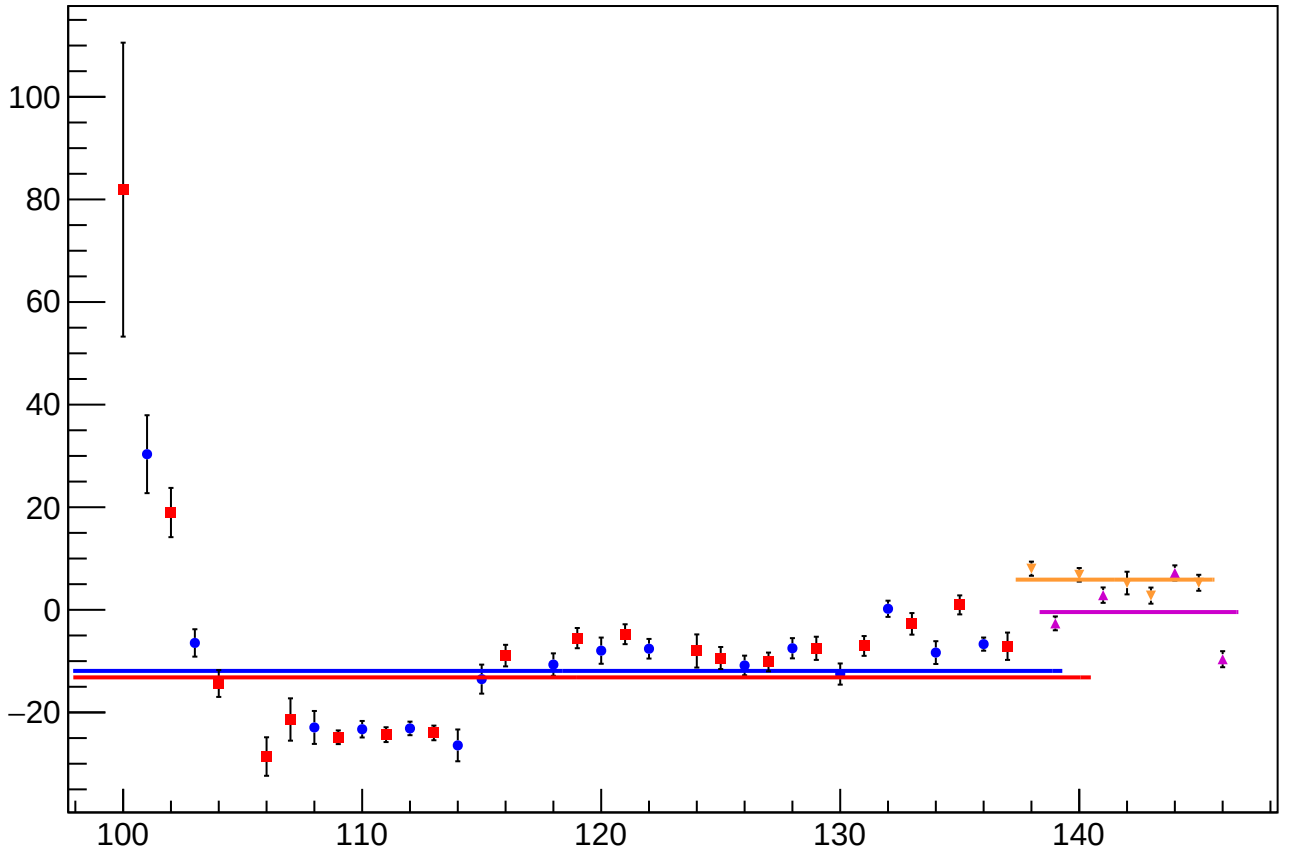
Left: -41.596+/-0.030 χ^2/NDF: 59076.1/8

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

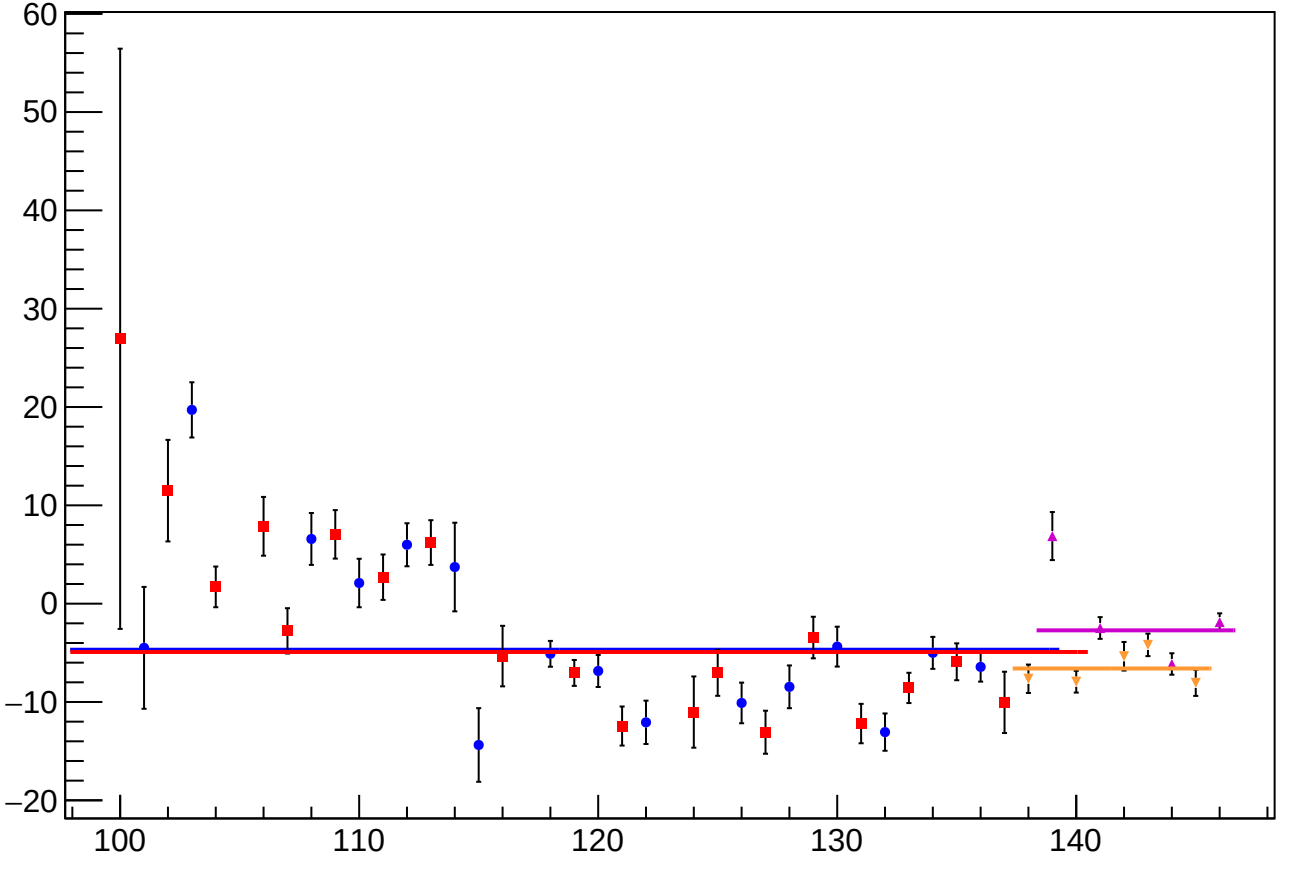
In: -34.894+/-0.028 χ^2/NDF:89615.6/19

Out: -36.250+/-0.028 χ^2/NDF:181591.5/23

All: -35.568+/-0.020 χ^2/NDF: 272353.0/43


reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
Right In: -11.906+/-0.497 χ²/NDF: 282.1/15
Left Out: 5.885+/-0.687 χ²/NDF:7.1/4
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -0.436+/-0.733 χ²/NDF:68.8/3
Left: 2.931+/-0.501 χ²/NDF: 115.5/8
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -8.298+/-0.411 χ²/NDF:518.7/19
Out: -6.914+/-0.394 χ²/NDF:945.6/23
All: -7.576+/-0.284 χ²/NDF: 1470.2/43

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -6.593+/-0.568 χ^2/NDF:8.3/4

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -2.713+/-0.568 χ^2/NDF:26.2/3

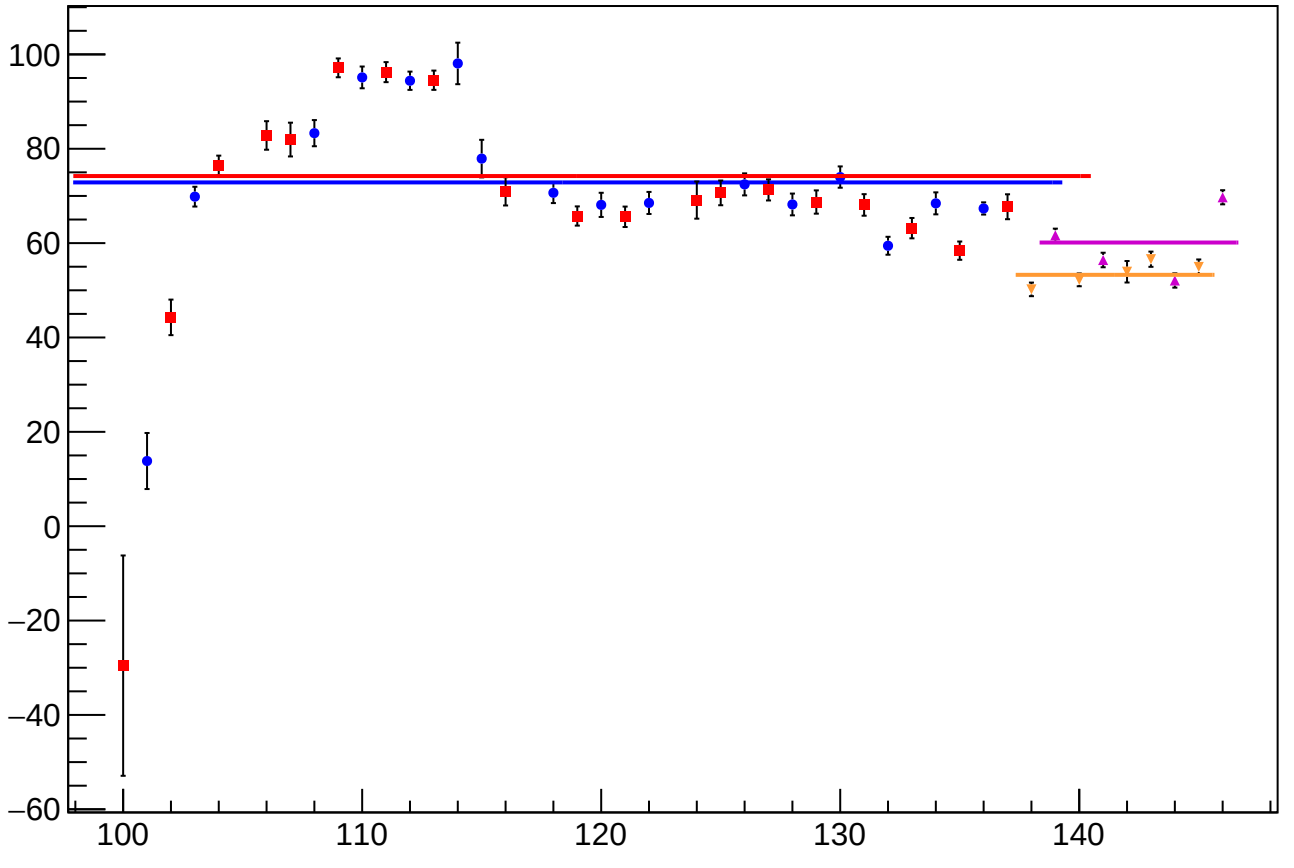
Left: -4.653+/-0.402 χ^2/NDF: 57.9/8

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.792+/-0.382 χ^2/NDF:211.8/19

Out: -5.668+/-0.381 χ^2/NDF:169.0/23

All: -4.734+/-0.270 χ^2/NDF: 392.9/43



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 53.278+/-0.708 χ^2/NDF:10.6/4

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 60.125+/-0.744 χ^2/NDF:76.0/3

Left: 56.531+/-0.513 χ^2/NDF: 131.0/8

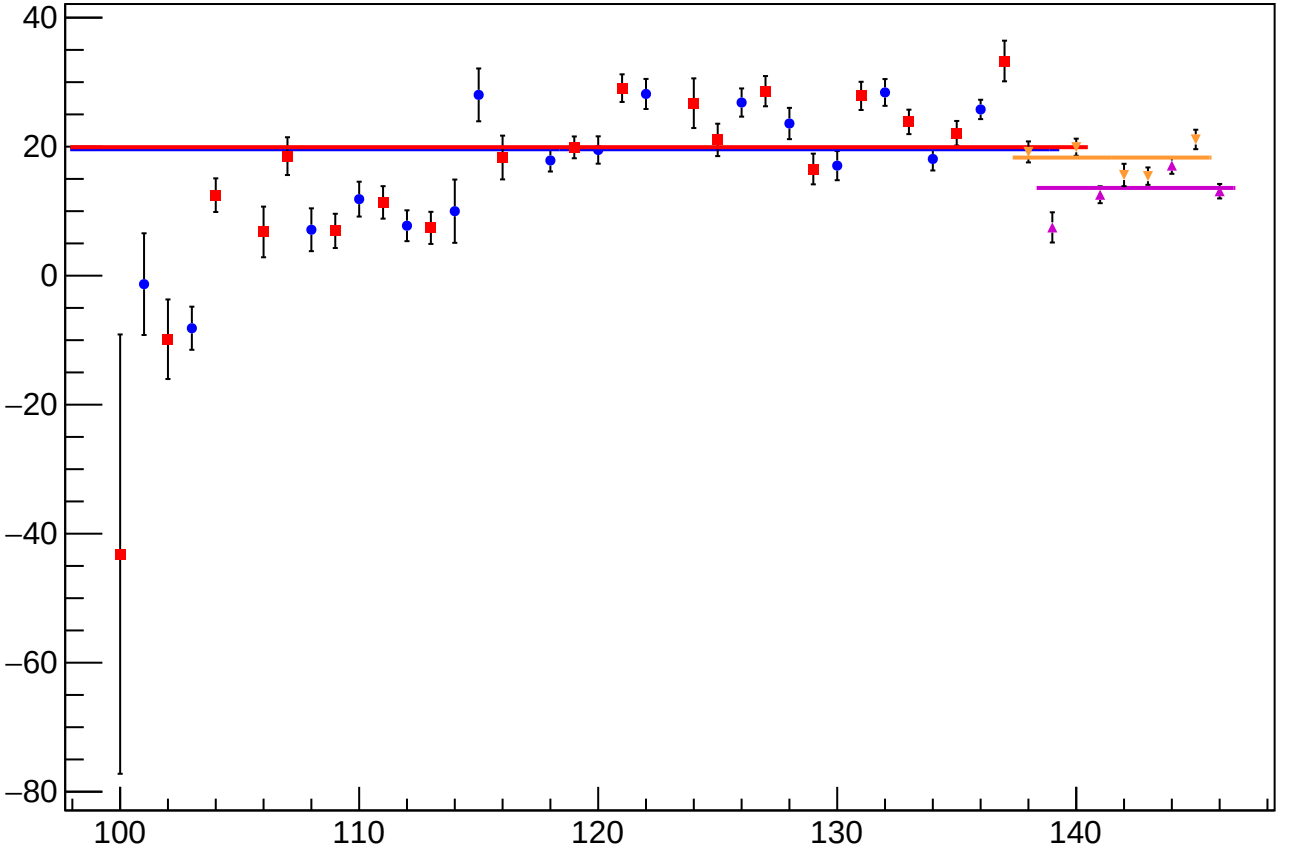
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 68.205+/-0.450 χ^2/NDF:712.5/19

Out: 66.121+/-0.440 χ^2/NDF:1133.0/23

All: 67.140+/-0.315 χ^2/NDF: 1856.5/43

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 18.308+/-0.664 χ^2/NDF:12.2/4

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 13.601+/-0.679 χ^2/NDF:15.0/3

Left: 16.009+/-0.475 χ^2/NDF: 51.8/8

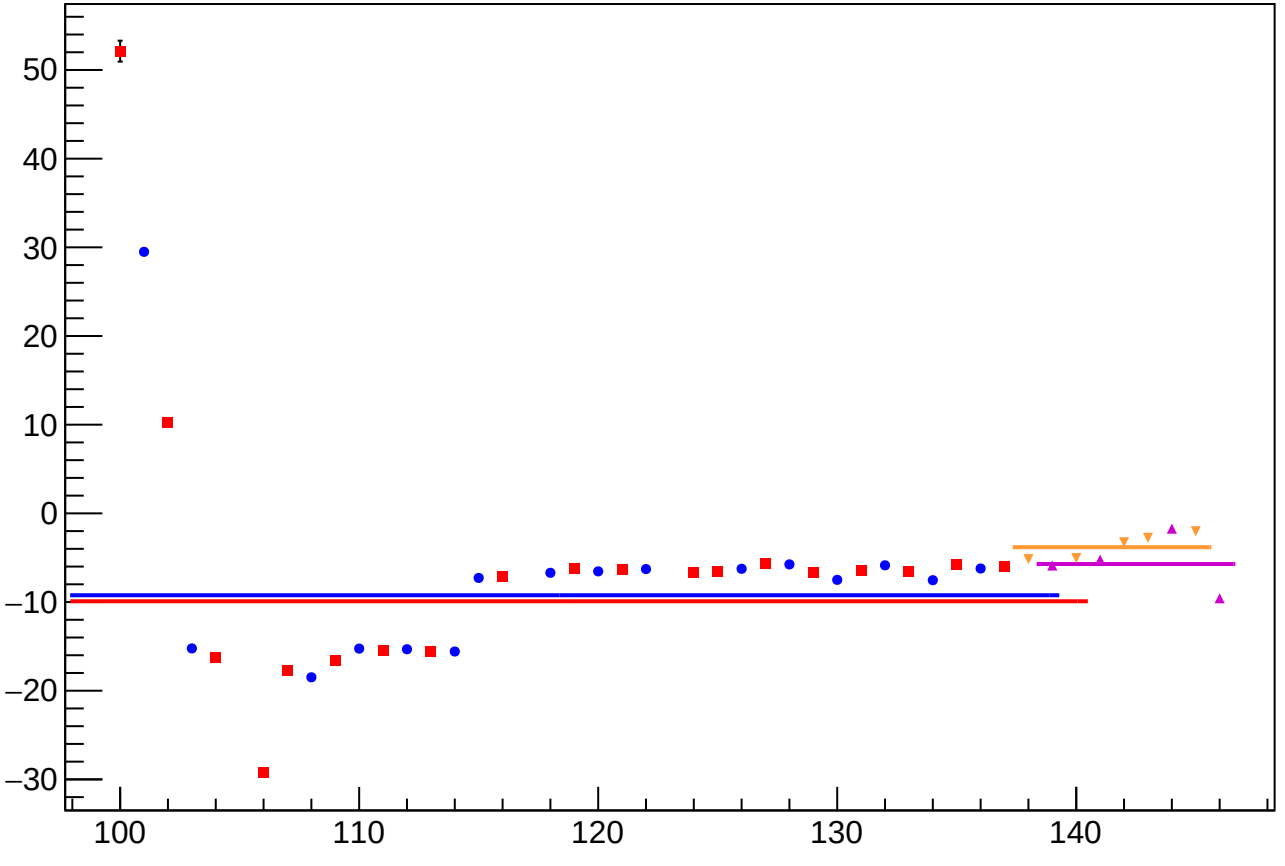
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.043+/-0.443 χ^2/NDF:255.8/19

Out: 19.214+/-0.439 χ^2/NDF:196.9/23

All: 18.139+/-0.312 χ^2/NDF: 464.8/43

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -3.815+/-0.029 χ^2/NDF:2085.2/4

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -5.714+/-0.030 χ^2/NDF:7112.3/3

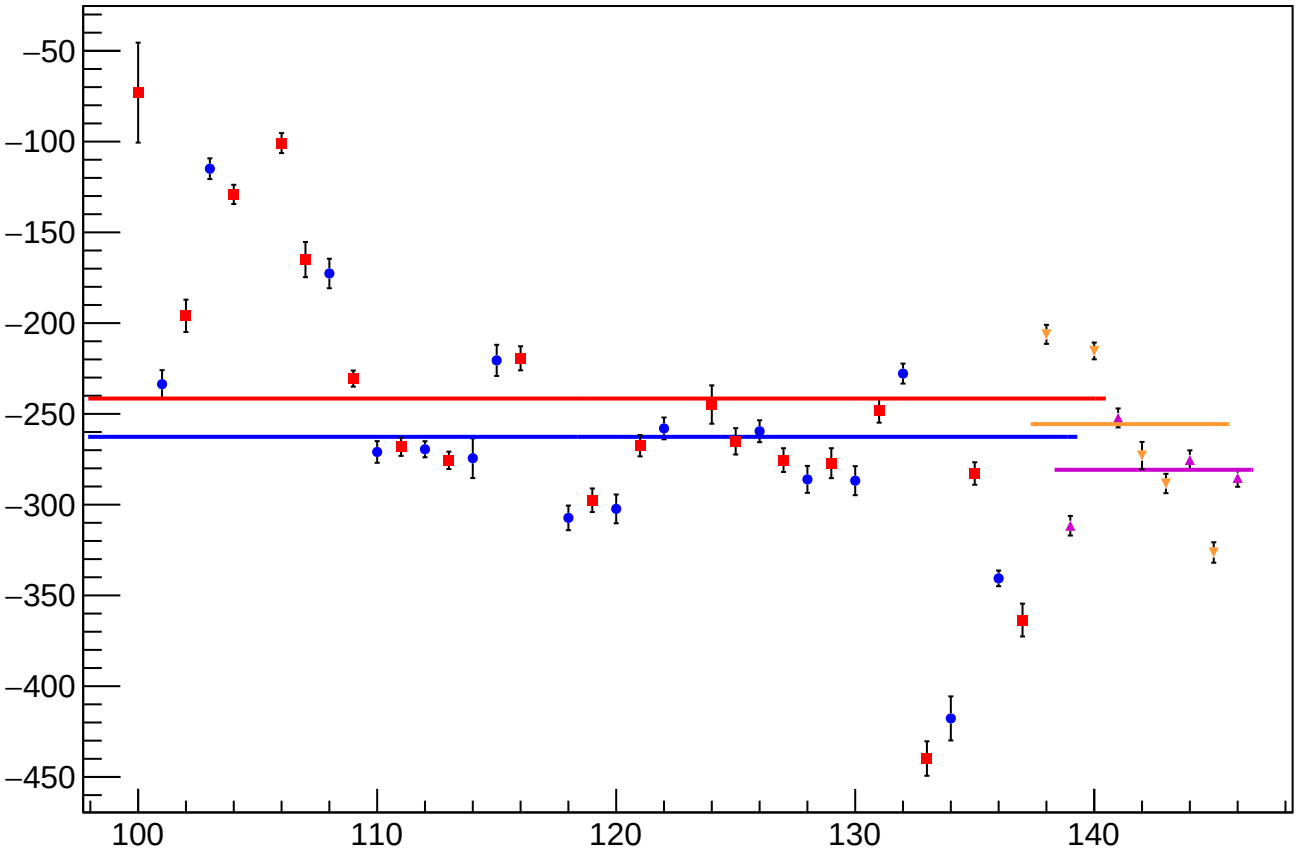
Left: -4.734+/-0.021 χ^2/NDF: 11254.8/8

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -7.320+/-0.022 χ^2/NDF:44521.4/19

Out: -6.359+/-0.022 χ^2/NDF:74226.3/23

All: -6.841+/-0.016 χ^2/NDF: 119683.2/43



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -255.635+/-2.442 χ^2/NDF:365.9/4

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -280.795+/-2.595 χ^2/NDF:64.3/3

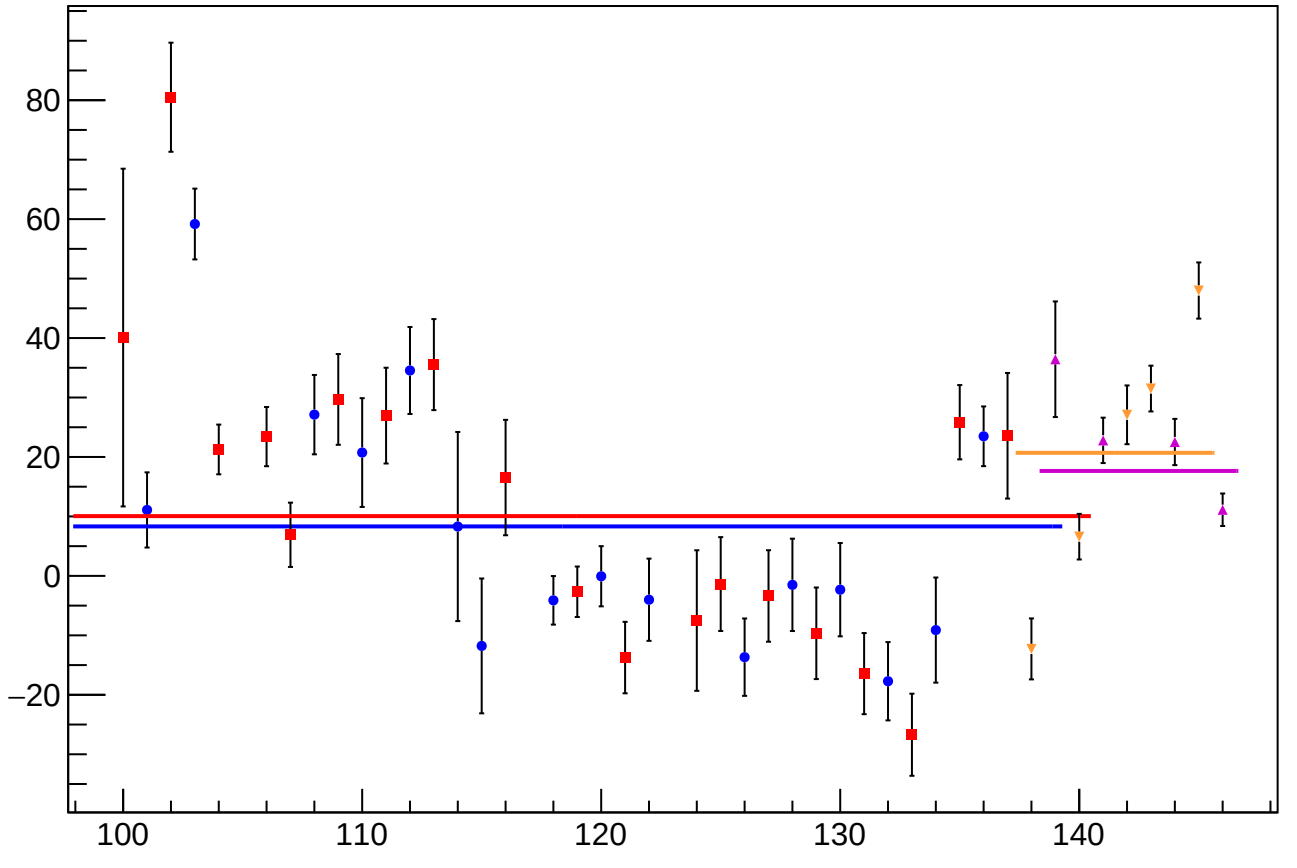
Left: -267.448+/-1.778 χ^2/NDF: 480.1/8

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -267.705+/-1.370 χ^2/NDF:1553.9/19

Out: -245.431+/-1.282 χ^2/NDF:2528.6/23

All: -255.824+/-0.936 χ^2/NDF: 4223.4/43



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 20.700+/-1.964 χ^2/NDF:97.8/4

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 17.650+/-1.893 χ^2/NDF:12.8/3

Left: 19.119+/-1.363 χ^2/NDF: 111.9/8

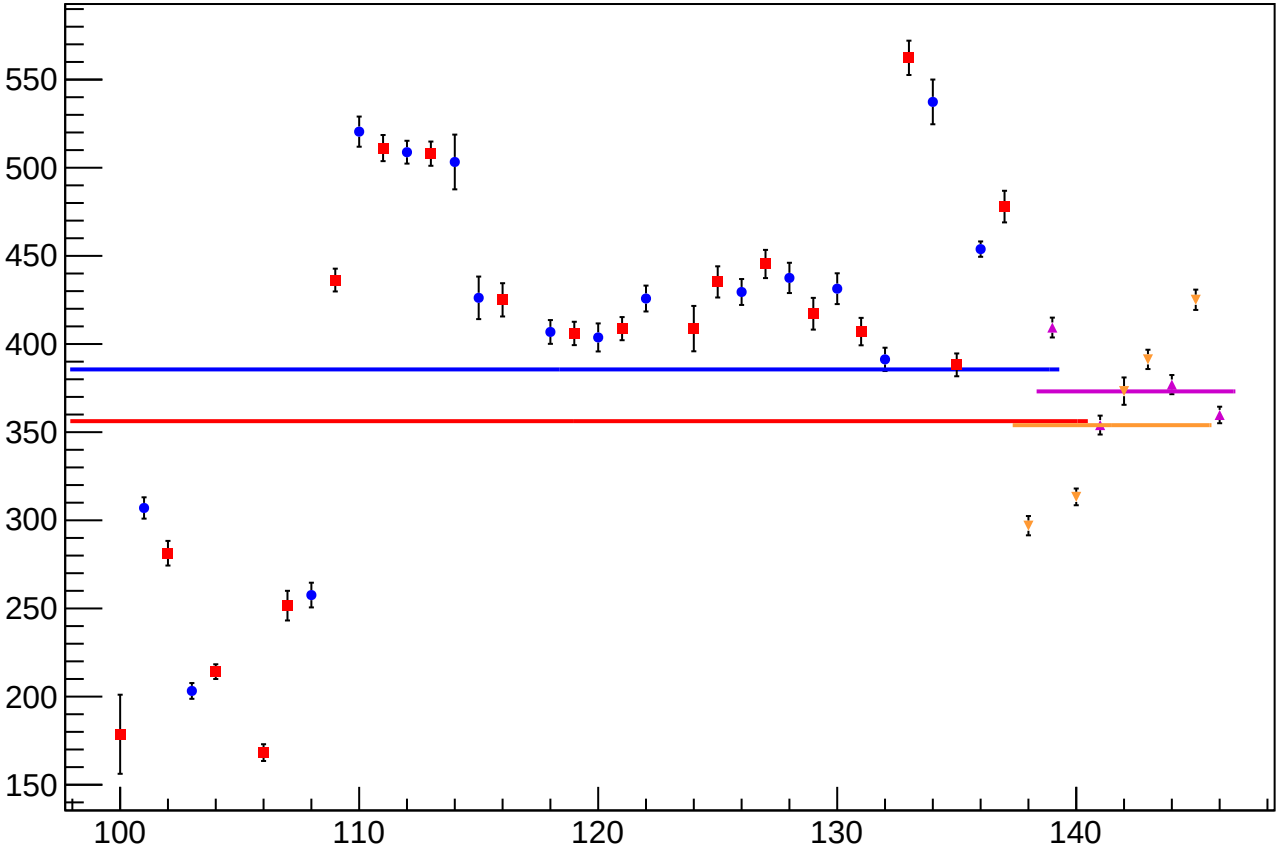
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 12.332+/-1.241 χ^2/NDF:184.3/19

Out: 14.103+/-1.211 χ^2/NDF:303.5/23

All: 13.239+/-0.867 χ^2/NDF: 488.8/43

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: 353.967+/-2.516 χ^2/NDF:387.2/4

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 373.126+/-2.619 χ^2/NDF:62.7/3

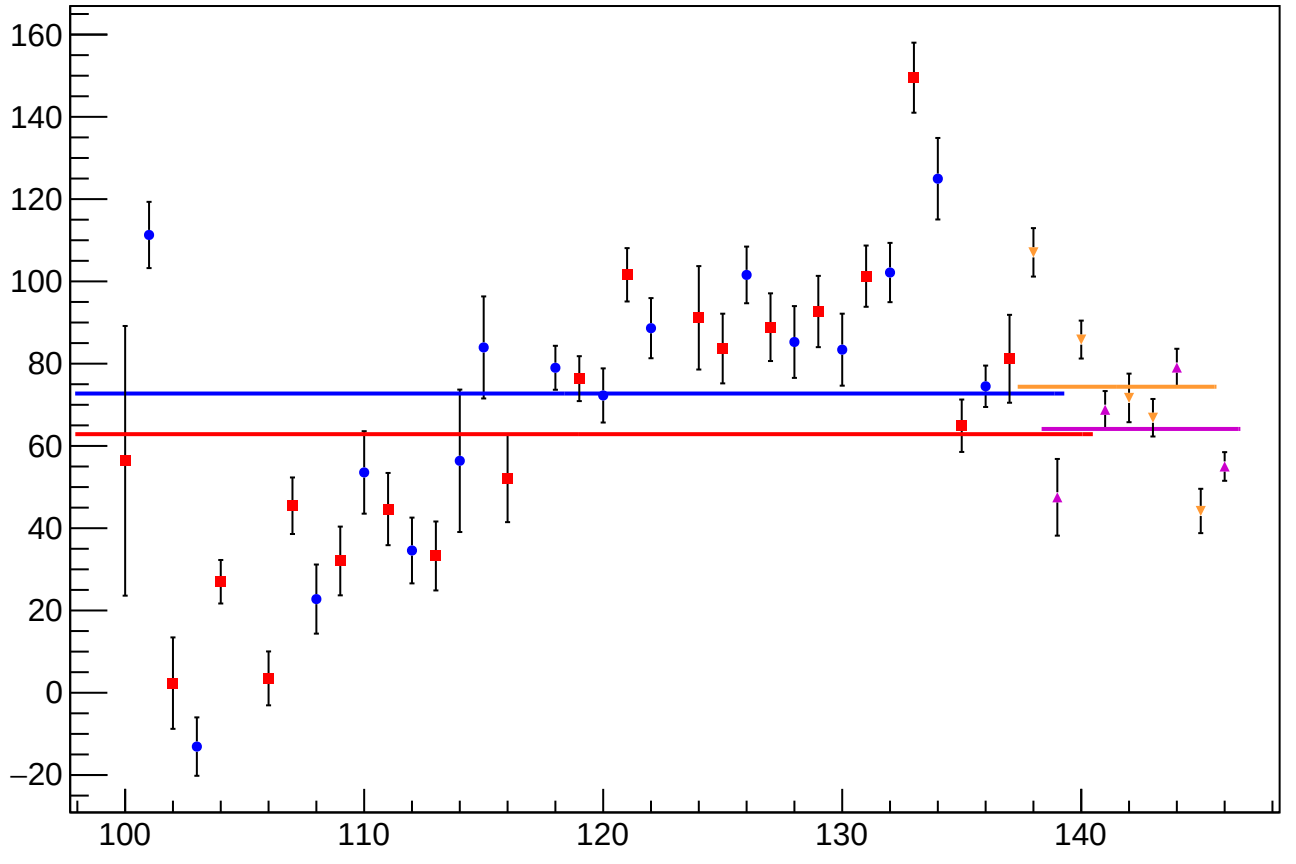
Left: 363.163+/-1.815 χ^2/NDF: 477.8/8

Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 381.767+/-1.451 χ^2/NDF:3451.5/19

Out: 355.562+/-1.378 χ^2/NDF:5658.1/23

All: 367.990+/-0.999 χ^2/NDF: 9281.2/43



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 74.390+/-2.312 χ^2/NDF:71.3/4

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 64.129+/-2.292 χ^2/NDF:21.8/3

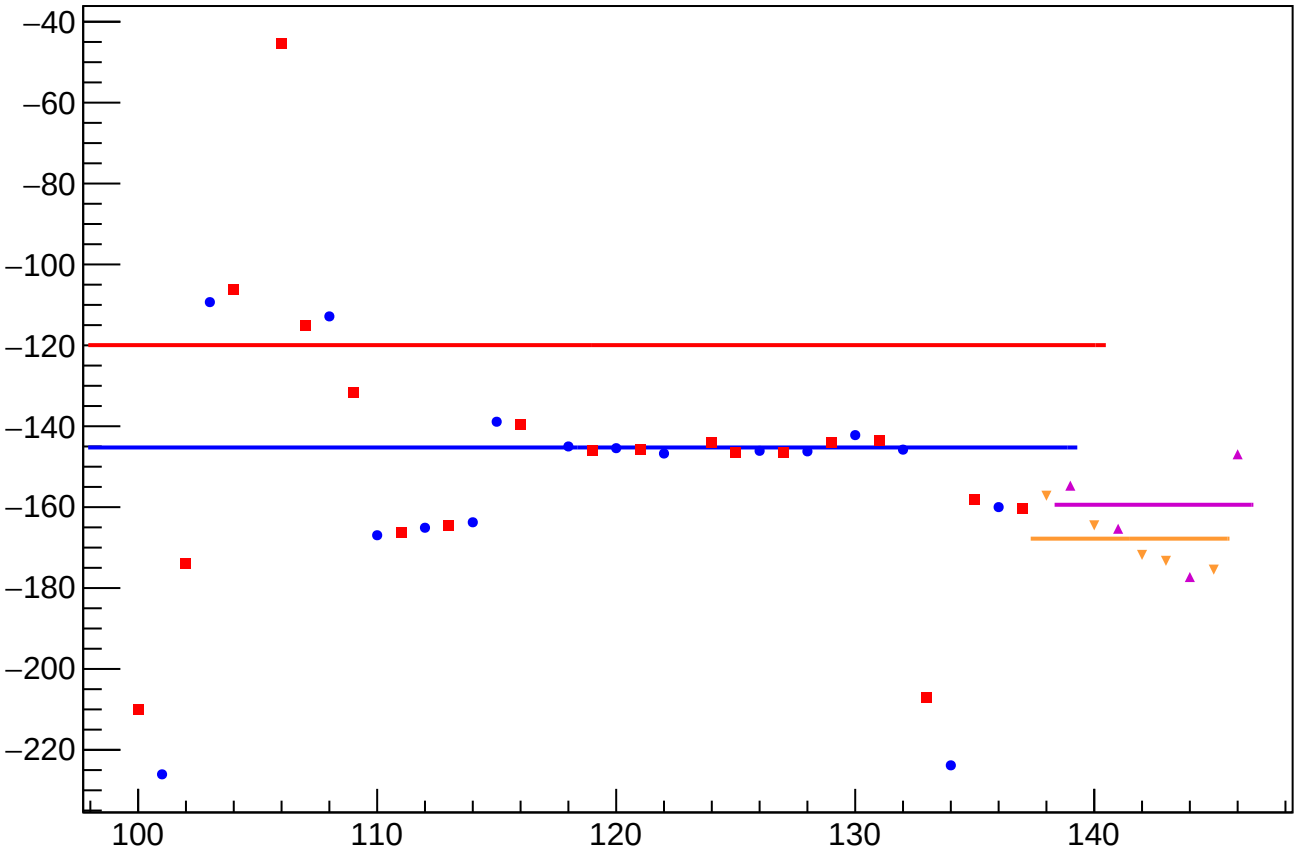
Left: 69.215+/-1.628 χ^2/NDF: 103.0/8

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 69.240+/-1.461 χ^2/NDF:334.5/19

Out: 67.197+/-1.418 χ^2/NDF:490.4/23

All: 68.188+/-1.018 χ^2/NDF: 825.9/43



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -167.788+/-0.105 χ^2/NDF:4420.9/4

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -159.410+/-0.107 χ^2/NDF:10507.8/3

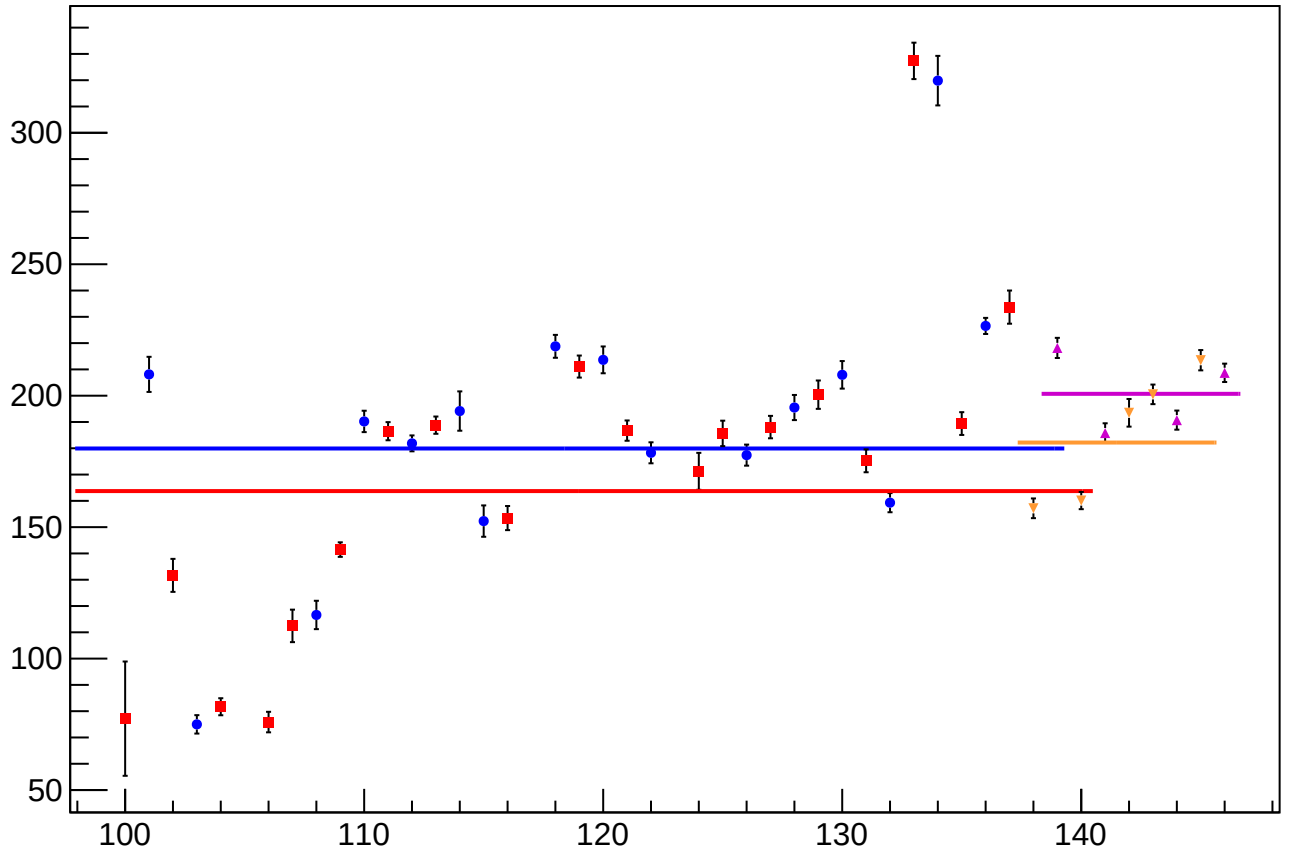
Left: -163.696+/-0.075 χ^2/NDF: 18051.1/8

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -151.716+/-0.072 χ^2/NDF:152042.0/19

Out: -139.989+/-0.068 χ^2/NDF:395904.5/23

All: -145.464+/-0.050 χ^2/NDF: 561905.8/43



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 182.182+/-1.716 χ^2/NDF:184.5/4

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 200.711+/-1.830 χ^2/NDF:49.8/3

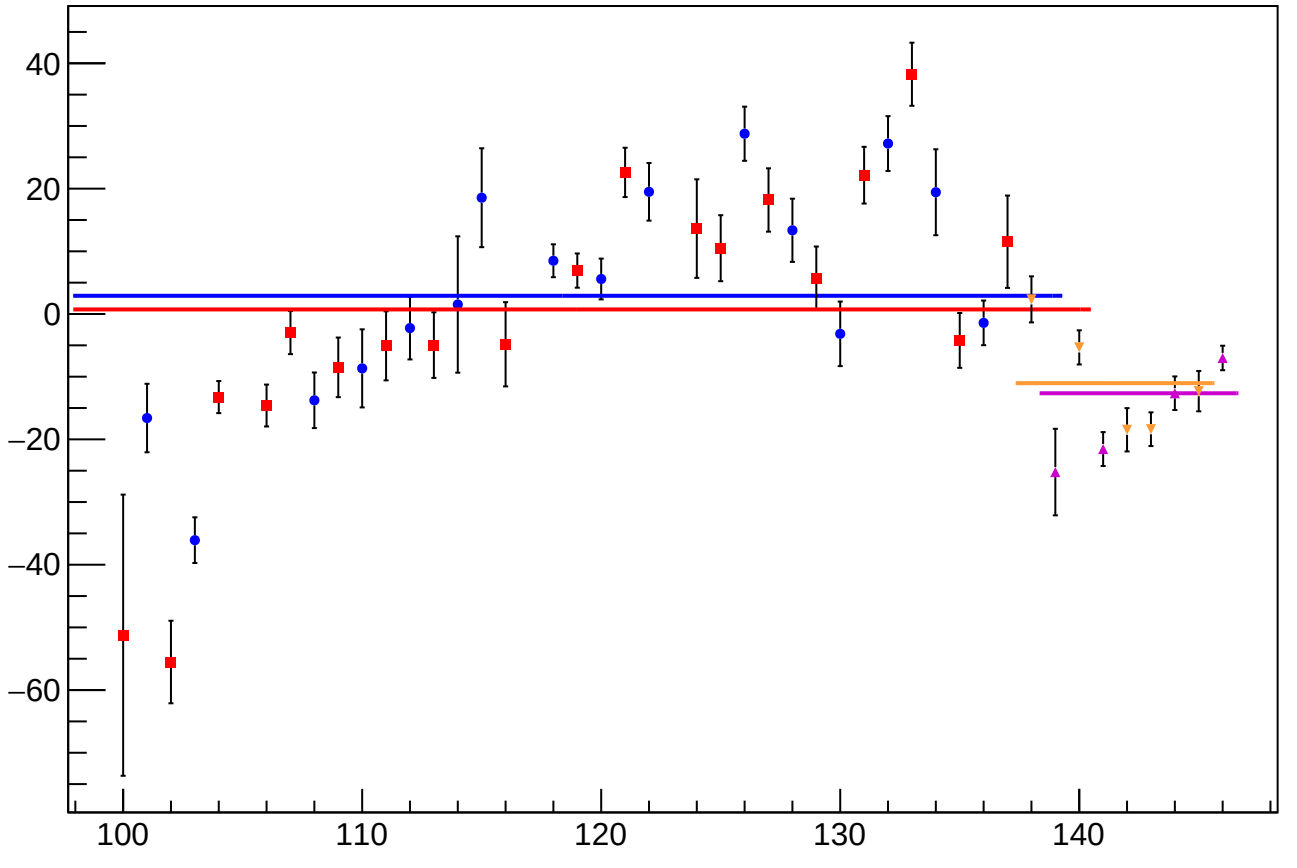
Left: 190.852+/-1.252 χ^2/NDF: 288.8/8

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 185.353+/-0.936 χ^2/NDF:1877.8/19

Out: 168.404+/-0.865 χ^2/NDF:2687.7/23

All: 176.211+/-0.635 χ^2/NDF: 4742.6/43



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -11.035+/-1.377 χ^2/NDF:29.9/4

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -12.647+/-1.337 χ^2/NDF:22.5/3

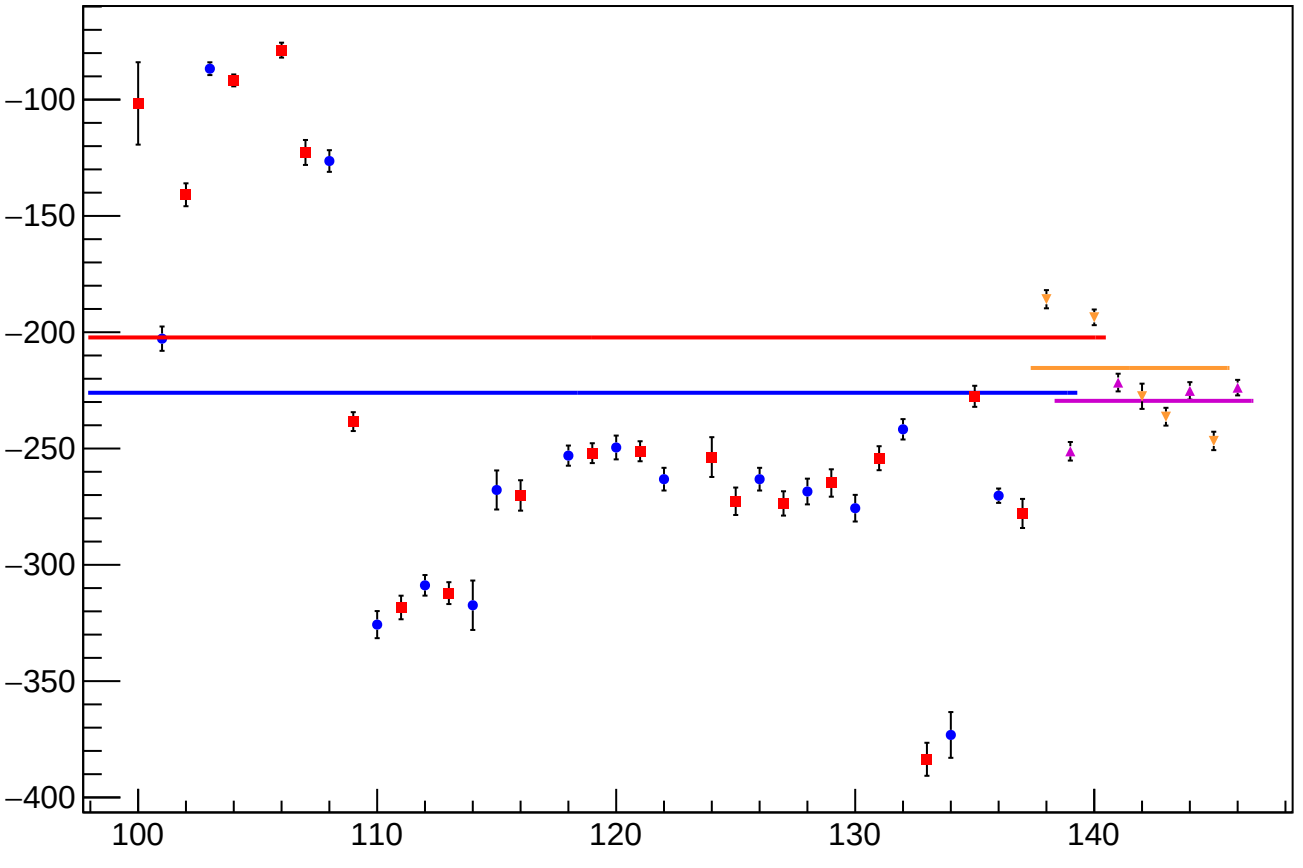
Left: -11.865+/-0.959 χ^2/NDF: 53.0/8

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -3.401+/-0.852 χ^2/NDF:350.4/19

Out: -3.397+/-0.816 χ^2/NDF:350.9/23

All: -3.399+/-0.589 χ^2/NDF: 701.2/43



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -215.366+/-1.769 χ^2/NDF:196.7/4

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -229.500+/-1.848 χ^2/NDF:38.0/3

Left: -222.126+/-1.278 χ^2/NDF: 265.2/8

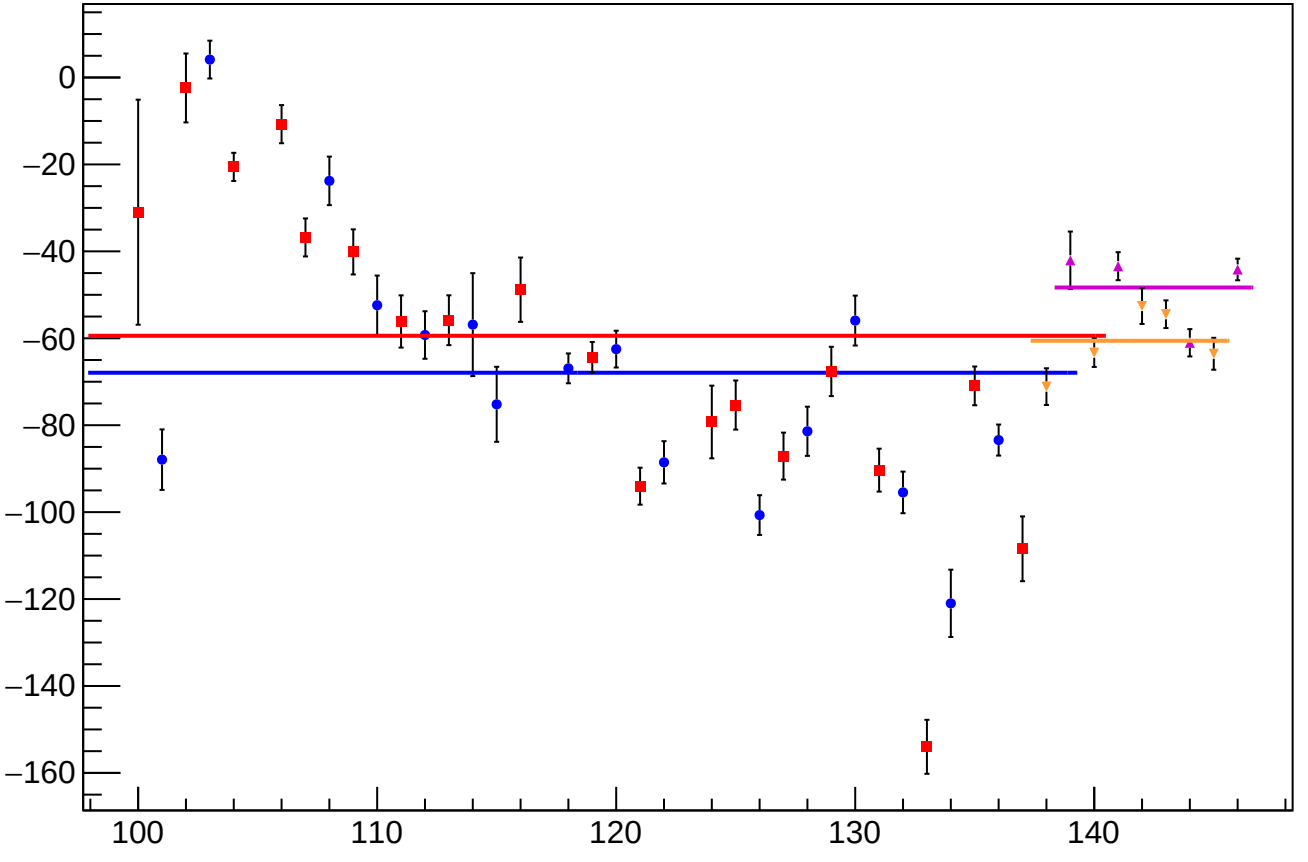
Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -227.028+/-0.991 χ^2/NDF:4579.5/19

Out: -205.843+/-0.926 χ^2/NDF:6927.4/23

All: -215.714+/-0.677 χ^2/NDF: 11750.7/43

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: -60.573+/-1.621 χ^2/NDF:15.1/4

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -48.321+/-1.618 χ^2/NDF:22.3/3

Left: -54.436+/-1.145 χ^2/NDF: 66.0/8

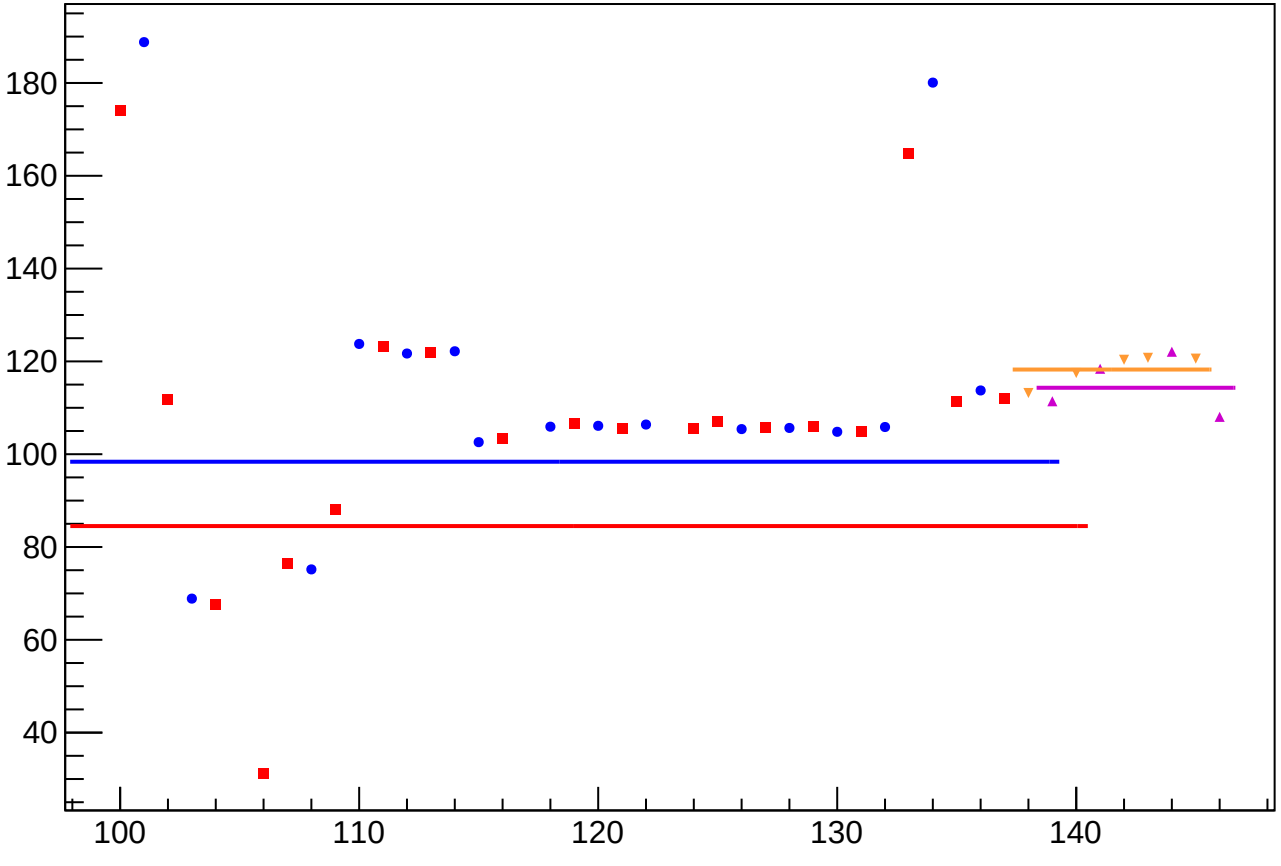
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -60.393+/-1.003 χ^2/NDF:646.8/19

Out: -59.826+/-0.956 χ^2/NDF:810.2/23

All: -60.096+/-0.692 χ^2/NDF: 1457.2/43

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: 118.246+/-0.074 χ^2/NDF:1619.7/4

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 114.317+/-0.076 χ^2/NDF:5159.8/3

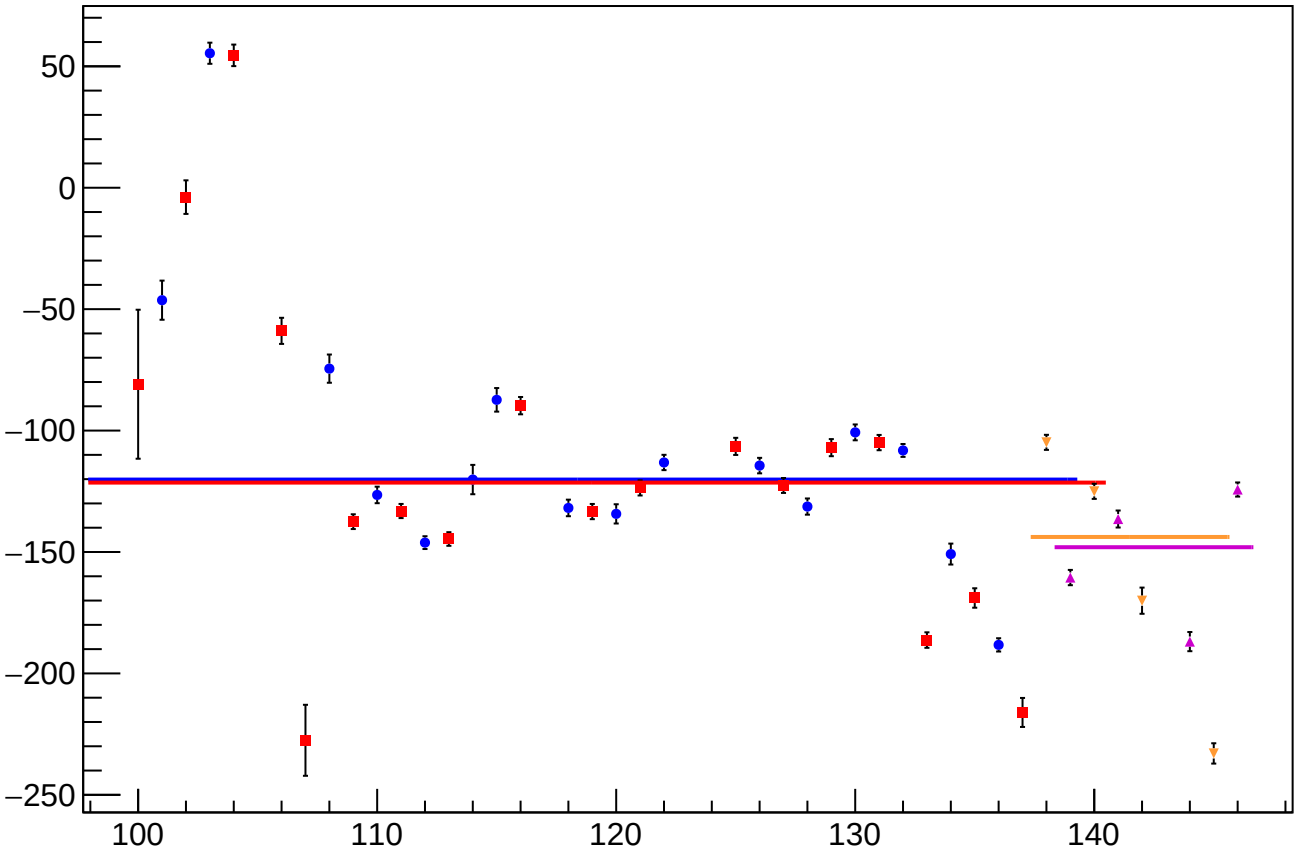
Left: 116.337+/-0.053 χ^2/NDF: 8163.6/8

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.263+/-0.050 χ^2/NDF:258748.9/19

Out: 98.148+/-0.047 χ^2/NDF:395667.7/23

All: 101.487+/-0.034 χ^2/NDF: 665264.3/43



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -143.807+/-1.830 χ^2/NDF:671.2/3

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -148.029+/-1.656 χ^2/NDF:190.2/3

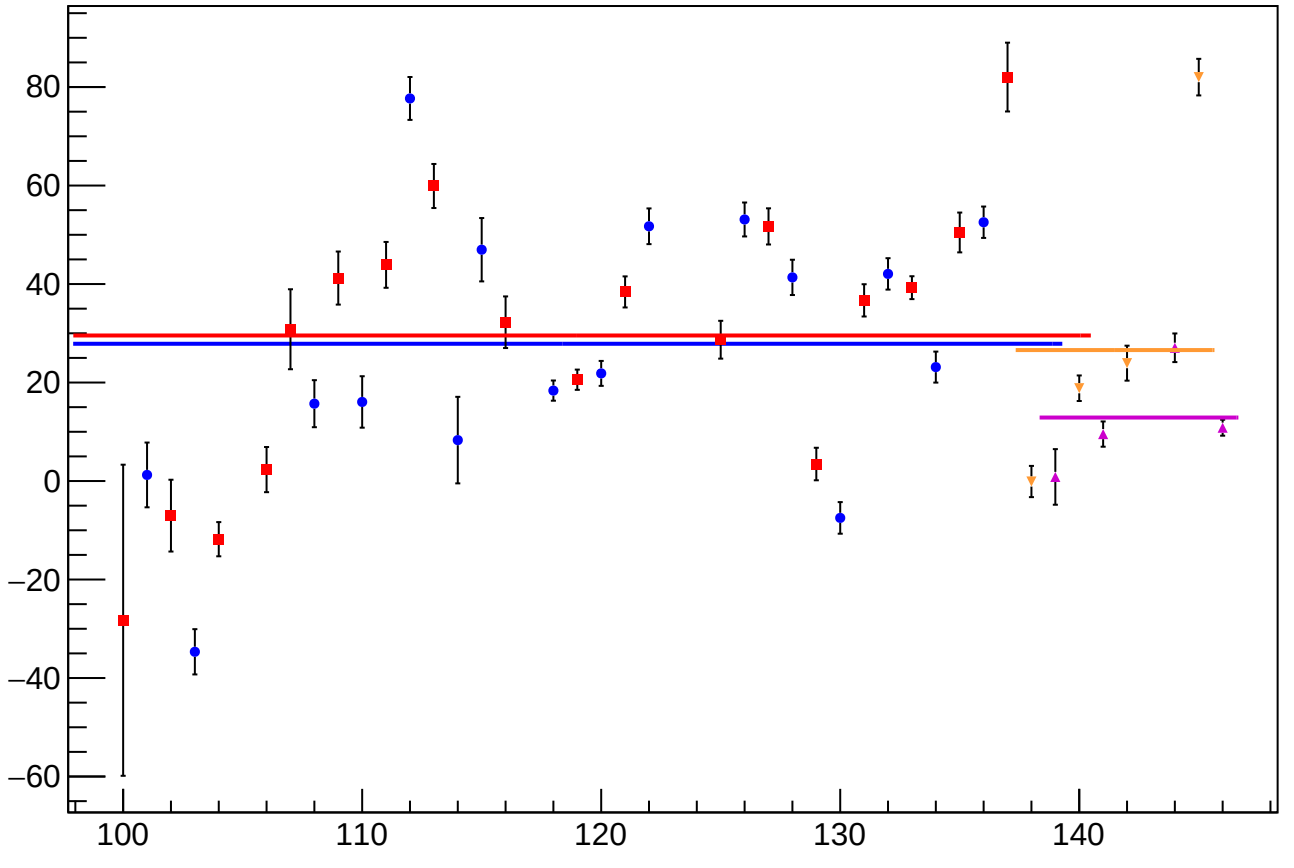
Left: -146.128+/-1.228 χ^2/NDF: 864.3/7

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -126.422+/-0.784 χ^2/NDF:3100.7/19

Out: -125.586+/-0.790 χ^2/NDF:3919.3/21

All: -126.007+/-0.556 χ^2/NDF: 7020.7/41



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 26.593+/-1.581 χ^2/NDF:303.0/3

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.892+/-1.210 χ^2/NDF:31.6/3

Left: 17.951+/-0.961 χ^2/NDF: 382.0/7

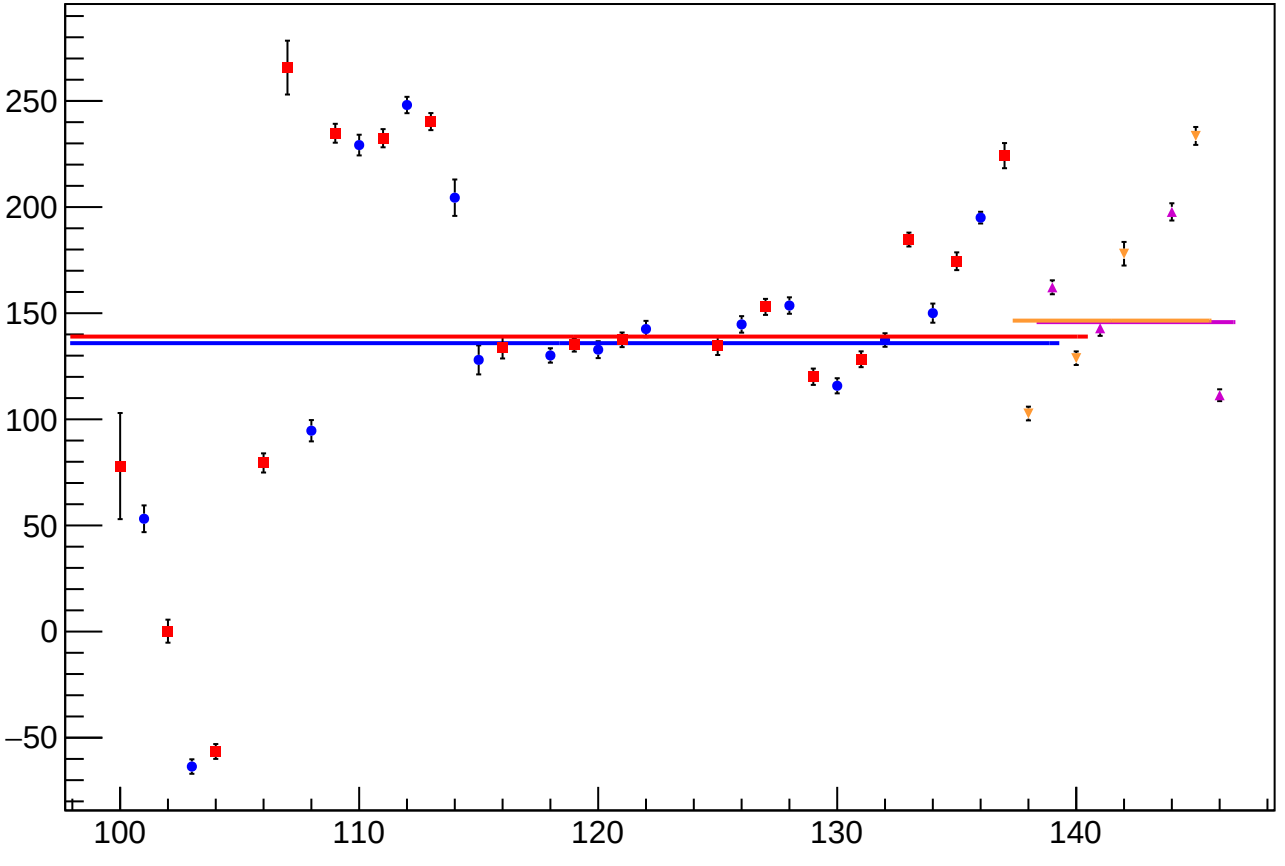
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 22.627+/-0.716 χ^2/NDF:830.9/19

Out: 28.841+/-0.775 χ^2/NDF:803.1/21

All: 25.487+/-0.526 χ^2/NDF: 1668.7/41

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: 146.505+/-1.885 χ^2/NDF:670.6/3

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 145.792+/-1.668 χ^2/NDF:341.7/3

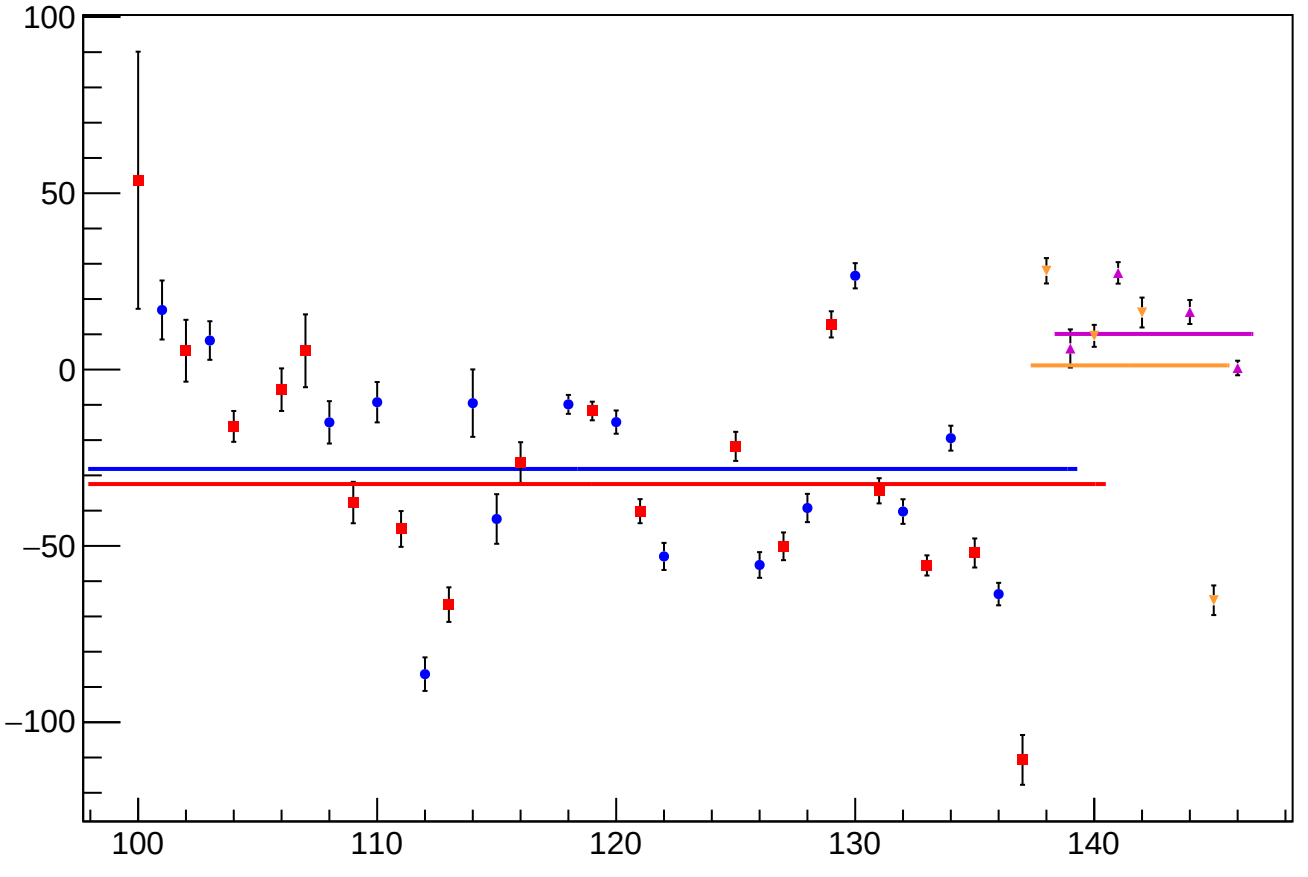
Left: 146.105+/-1.249 χ^2/NDF: 1012.4/7

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 138.498+/-0.857 χ^2/NDF:5831.4/19

Out: 140.632+/-0.882 χ^2/NDF:6839.4/21

All: 139.534+/-0.615 χ^2/NDF: 12673.8/41



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.188+/-1.848 χ^2/NDF:326.4/3

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 10.100+/-1.472 χ^2/NDF:58.0/3

Left: 6.641+/-1.151 χ^2/NDF: 398.6/7

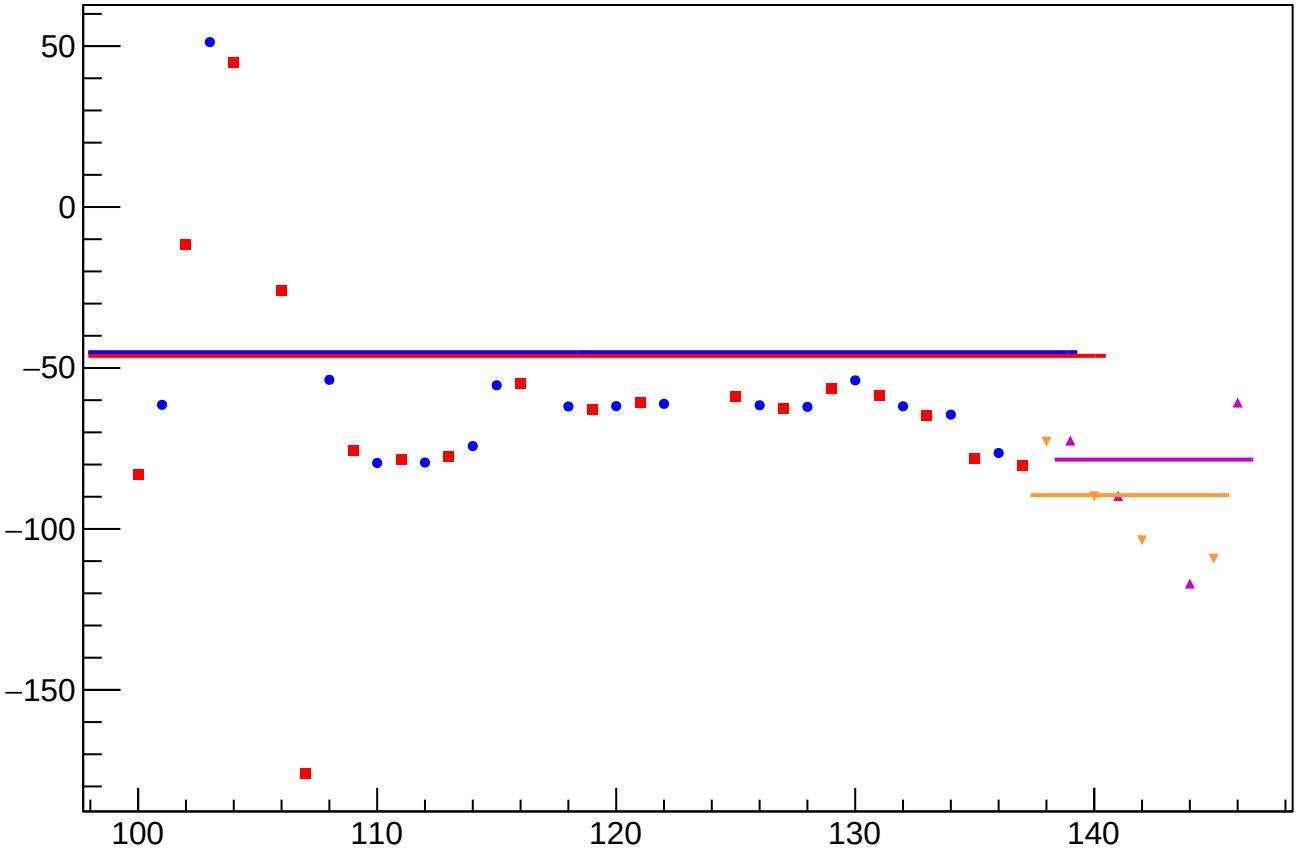
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -15.720+/-0.840 χ^2/NDF:1305.4/19

Out: -24.516+/-0.898 χ^2/NDF:1160.5/21

All: -19.823+/-0.613 χ^2/NDF: 2517.1/41

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: -89.498+/-0.078 χ^2/NDF:34496.8/3

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -78.461+/-0.067 χ^2/NDF:74935.2/3

Left: -83.194+/-0.051 χ^2/NDF: 120914.2/7

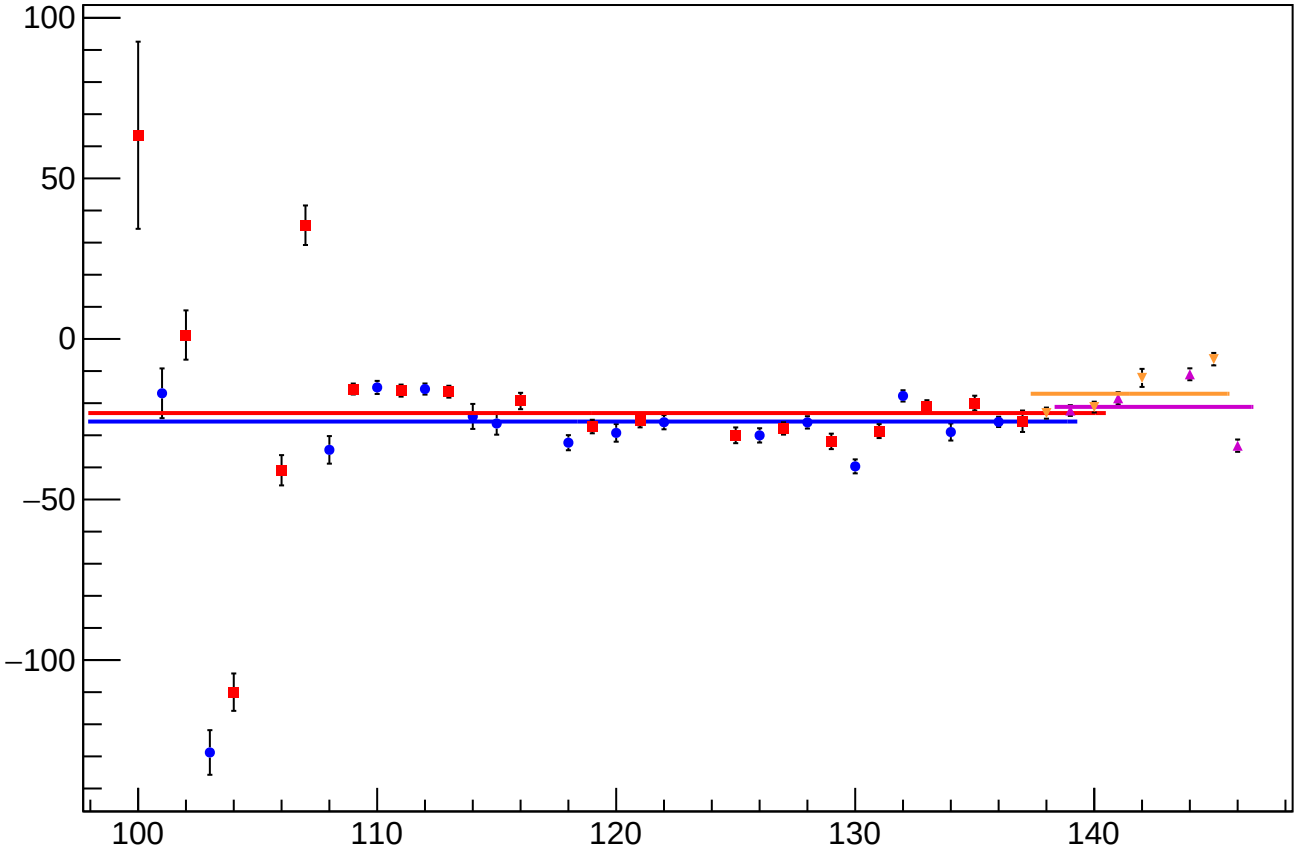
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -59.877+/-0.045 χ^2/NDF:786367.2/19

Out: -63.217+/-0.049 χ^2/NDF:715767.4/21

All: -61.408+/-0.033 χ^2/NDF: 1504673.8/41

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: -17.064+/-0.962 χ^2/NDF:52.1/3

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -21.155+/-0.915 χ^2/NDF:71.8/3

Left: -19.212+/-0.663 χ^2/NDF: 133.5/7

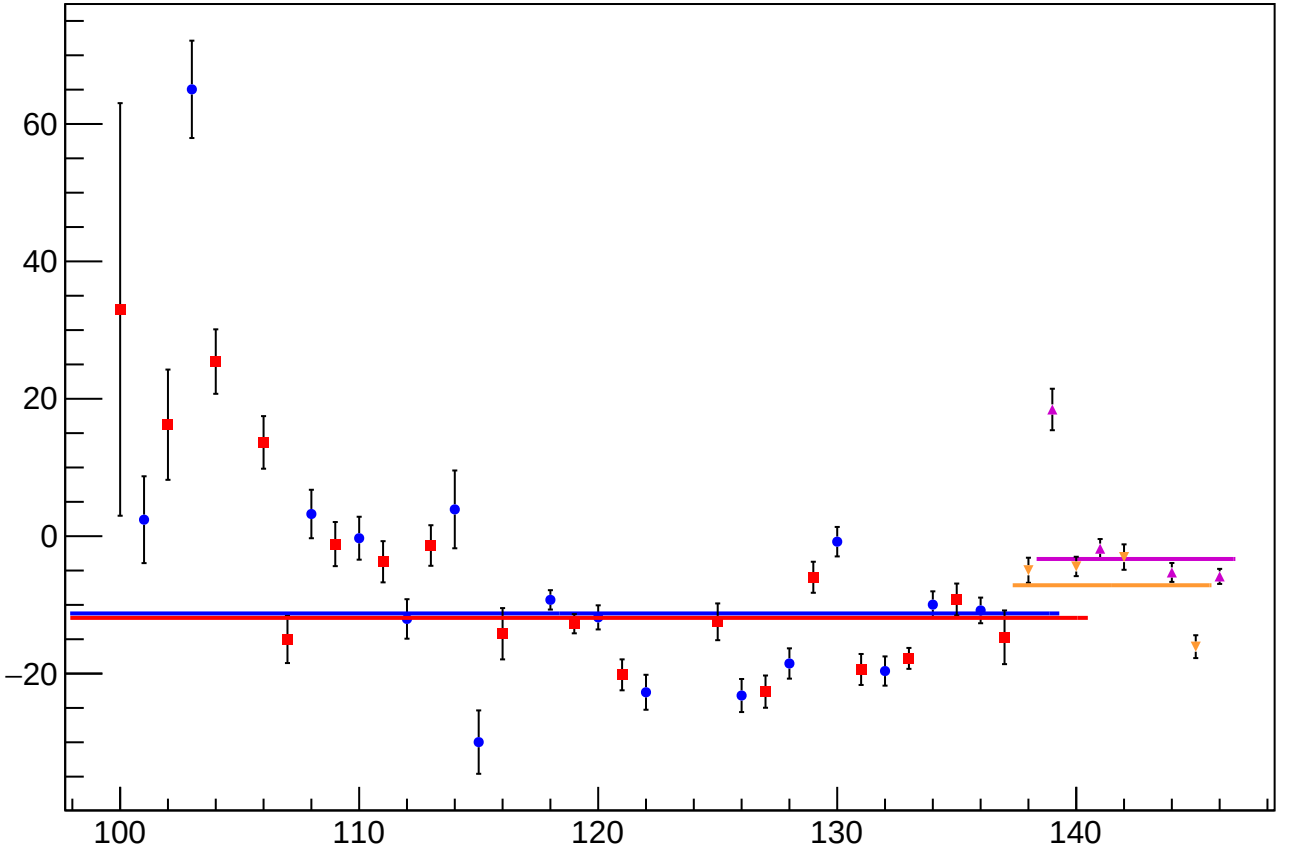
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -24.380+/-0.496 χ^2/NDF:452.4/19

Out: -21.469+/-0.498 χ^2/NDF:517.8/21

All: -22.930+/-0.351 χ^2/NDF: 987.4/41

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: -7.141+/-0.829 χ^2/NDF:39.0/3

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -3.317+/-0.711 χ^2/NDF:60.5/3

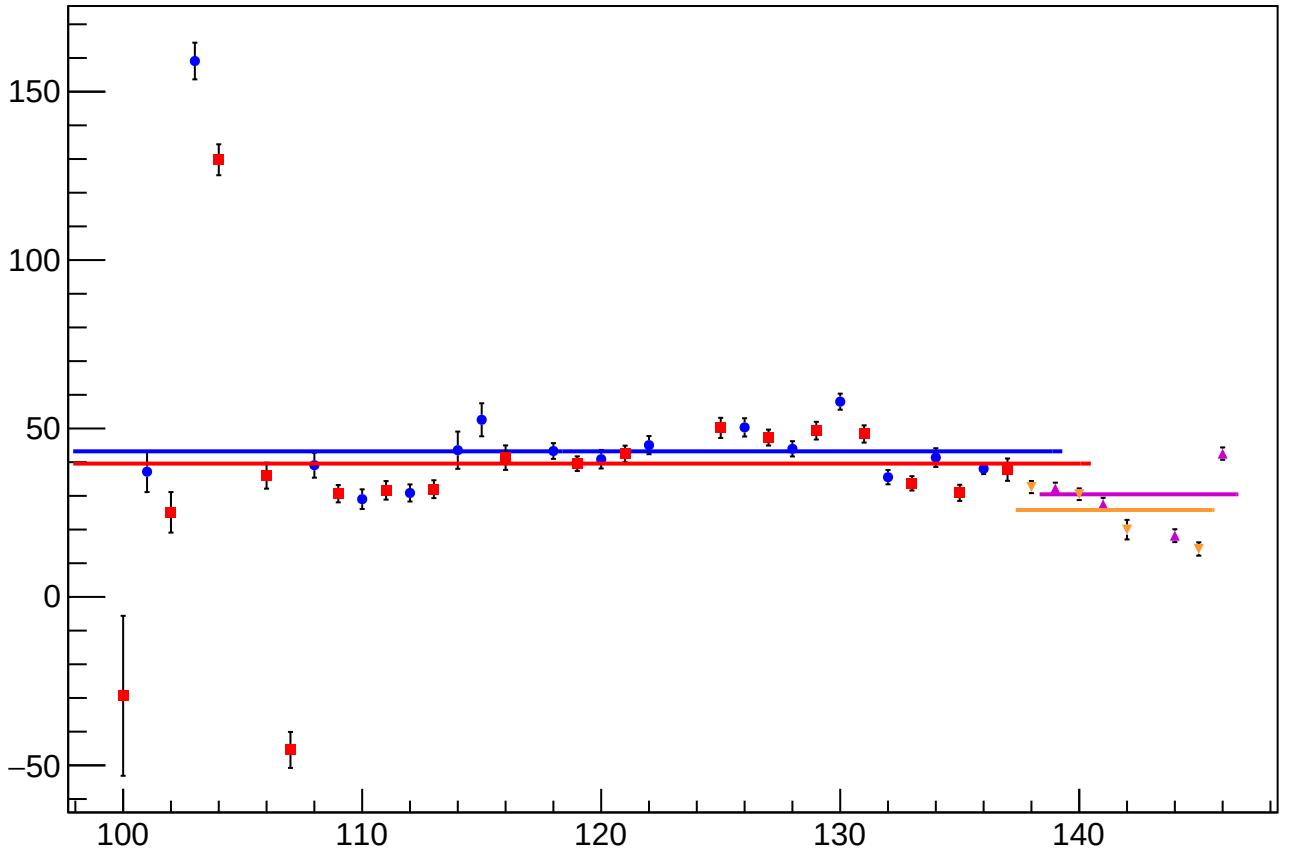
Left: -4.938+/-0.540 χ^2/NDF: 111.7/7

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.948+/-0.459 χ^2/NDF:404.2/19

Out: -10.232+/-0.490 χ^2/NDF:284.8/21

All: -9.015+/-0.335 χ^2/NDF: 700.6/41



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 25.810+/-0.993 χ^2/NDF:59.8/3

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 30.461+/-0.929 χ^2/NDF:87.5/3

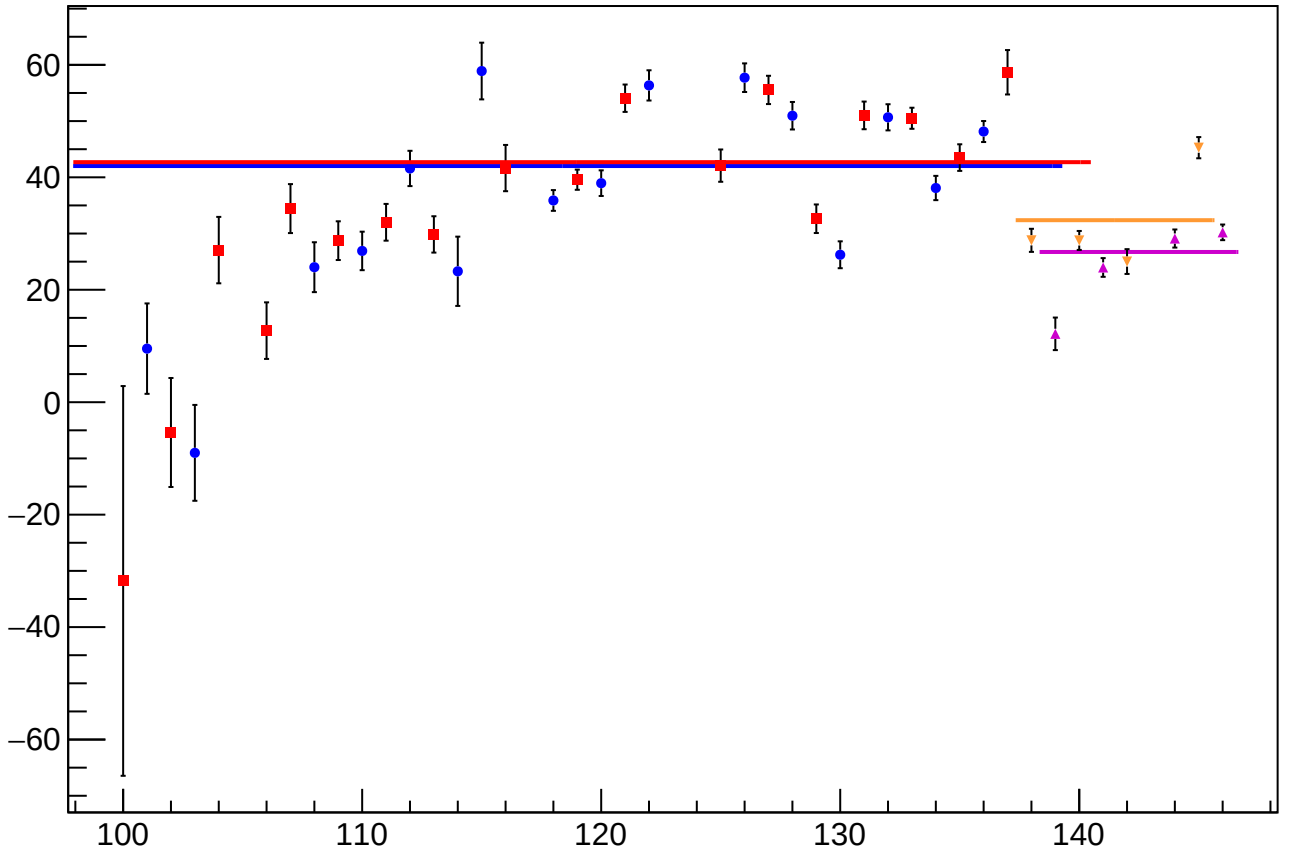
Left: 28.290+/-0.678 χ^2/NDF: 159.1/7

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 38.785+/-0.548 χ^2/NDF:786.6/19

Out: 35.146+/-0.564 χ^2/NDF:944.4/21

All: 37.018+/-0.393 χ^2/NDF: 1752.5/41



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.373+/-0.964 χ^2/NDF:65.5/3

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 26.721+/-0.850 χ^2/NDF:36.6/3

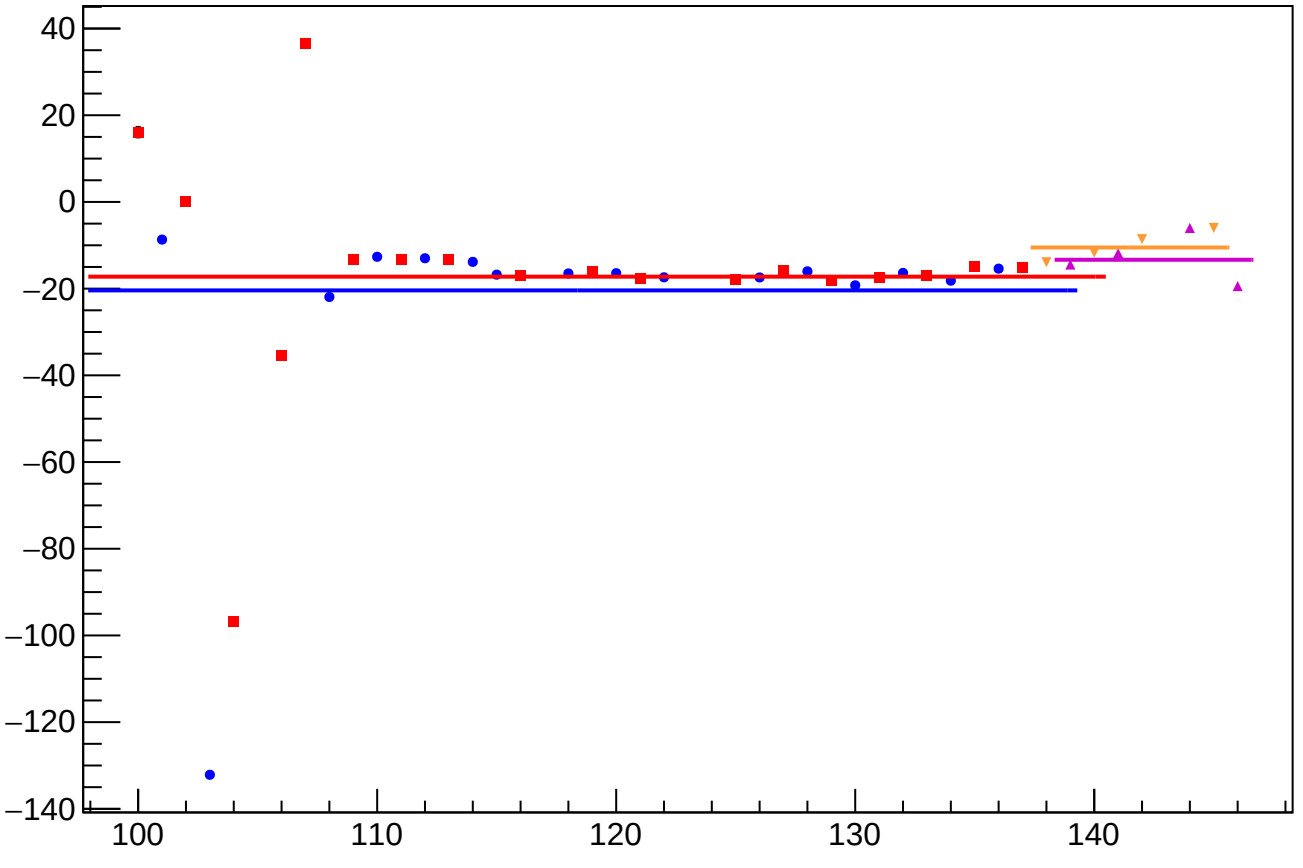
Left: 29.193+/-0.638 χ^2/NDF: 121.4/7

Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 36.000+/-0.533 χ^2/NDF:505.6/19

Out: 39.167+/-0.564 χ^2/NDF:371.3/21

All: 37.494+/-0.387 χ^2/NDF: 893.6/41



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -10.509+/-0.041 χ^2/NDF:6143.8/3

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -13.338+/-0.038 χ^2/NDF:13896.1/3

Left: -12.039+/-0.028 χ^2/NDF: 22654.0/7

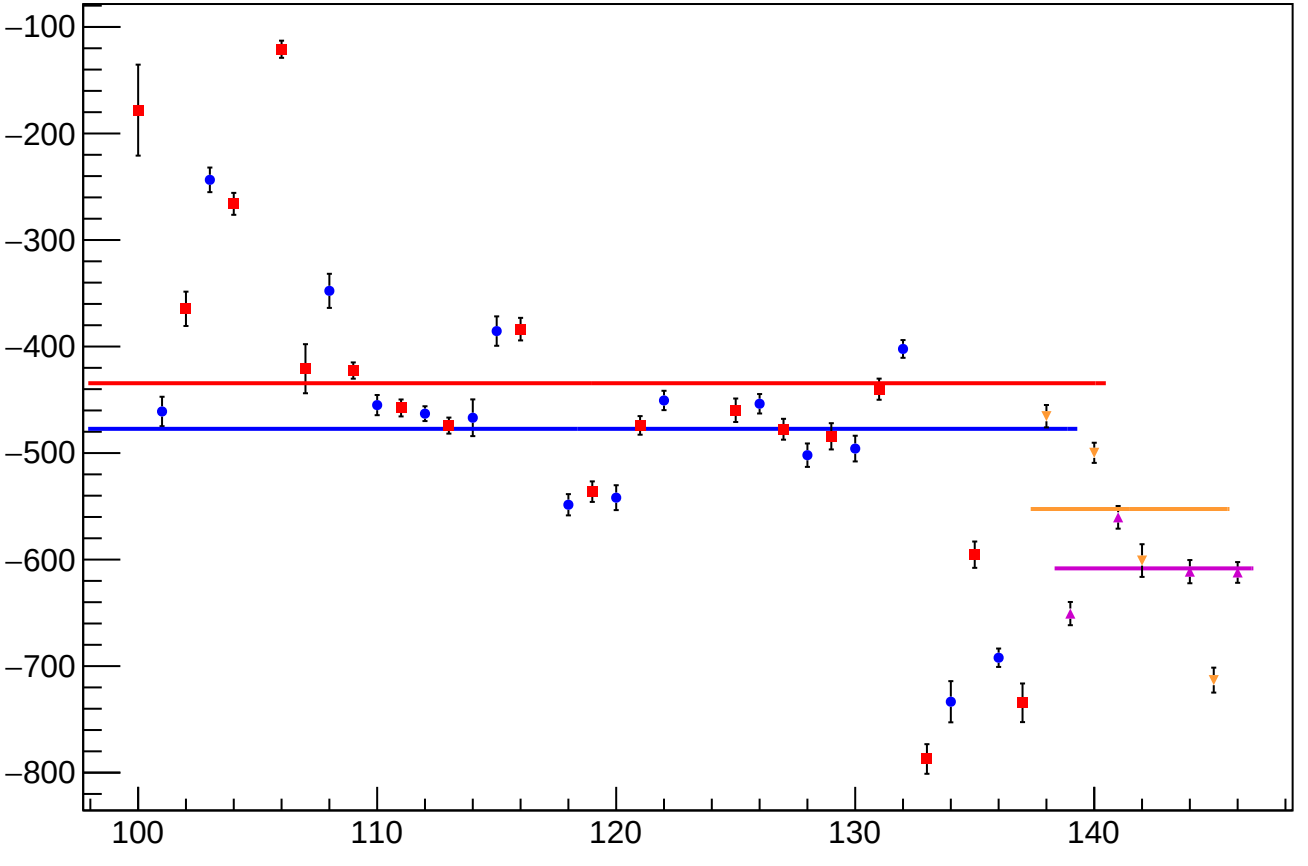
Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -16.481+/-0.028 χ^2/NDF:275298.9/19

Out: -13.603+/-0.030 χ^2/NDF:223372.9/21

All: -15.139+/-0.020 χ^2/NDF: 503616.2/41

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -552.509+/-5.611 χ^2/NDF:297.9/3

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -608.257+/-5.254 χ^2/NDF:35.7/3

Left: -582.210+/-3.835 χ^2/NDF: 386.2/7

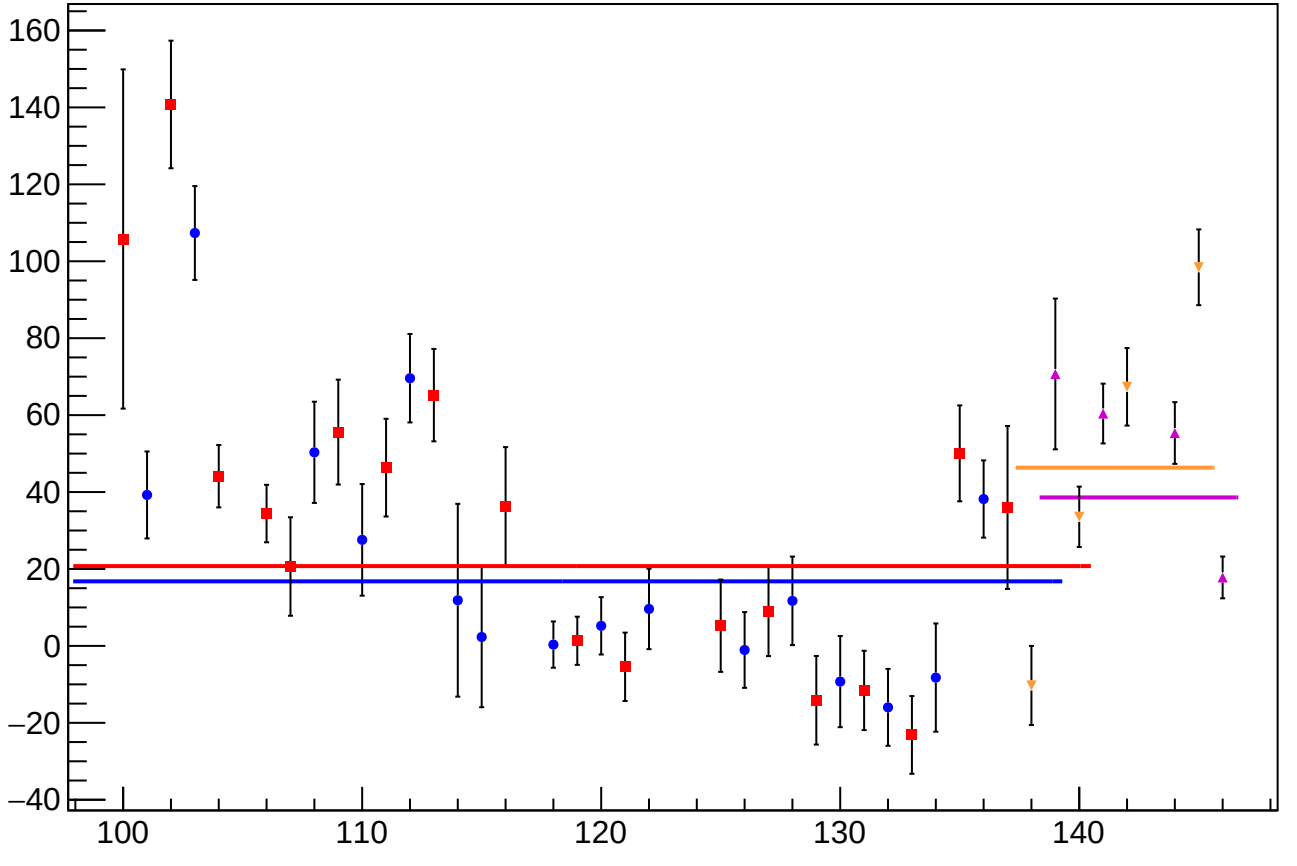
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -503.551+/-2.354 χ^2/NDF:2043.3/19

Out: -453.525+/-2.256 χ^2/NDF:3831.0/21

All: -477.473+/-1.629 χ^2/NDF: 6109.8/41

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: 46.342+/-4.671 χ^2/NDF:65.3/3

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 38.598+/-3.819 χ^2/NDF:29.6/3

Left: 41.700+/-2.957 χ^2/NDF: 96.5/7

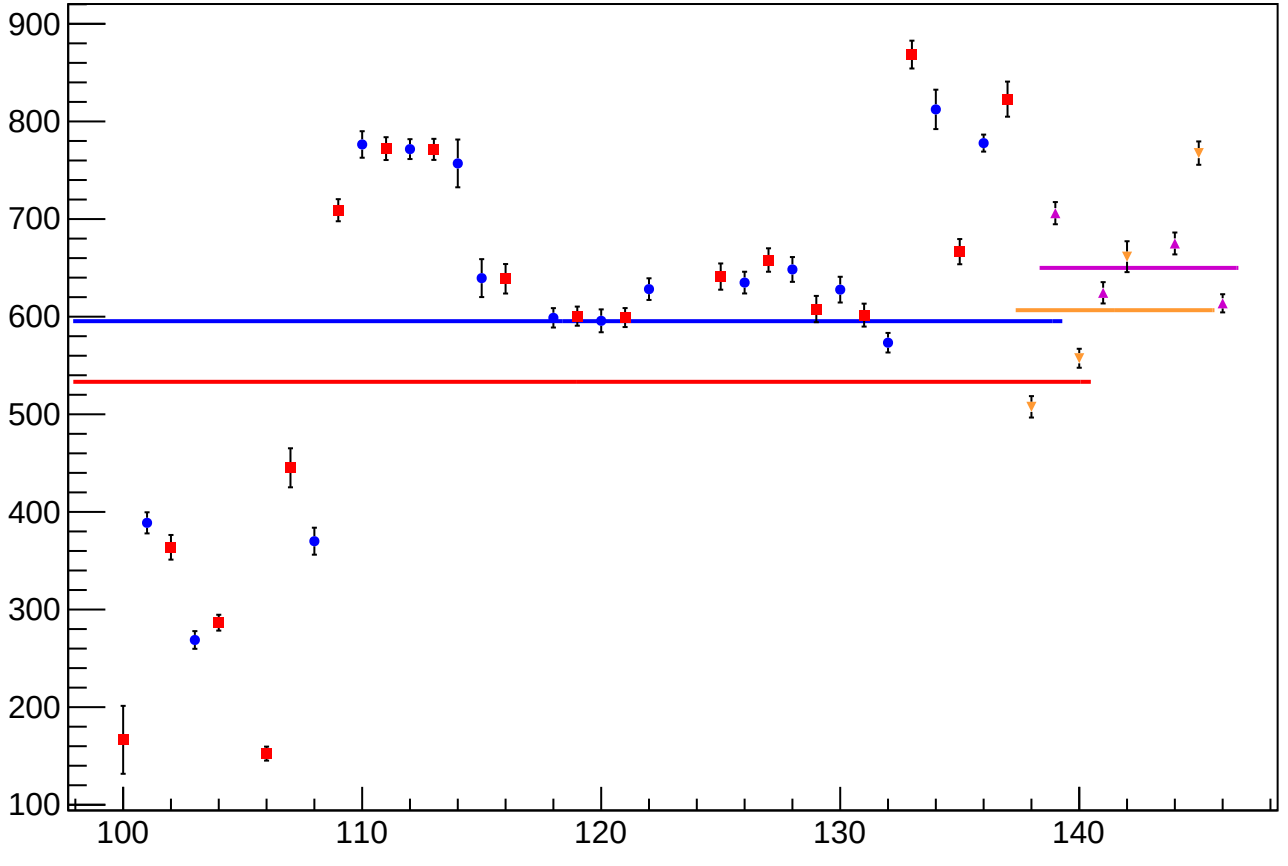
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 23.887+/-2.180 χ^2/NDF:176.6/19

Out: 26.618+/-2.237 χ^2/NDF:246.4/21

All: 25.217+/-1.561 χ^2/NDF: 423.7/41

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: 606.648+/-5.786 χ^2/NDF:299.9/3

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 649.978+/-5.298 χ^2/NDF:50.0/3

Left: 630.217+/-3.908 χ^2/NDF: 380.4/7

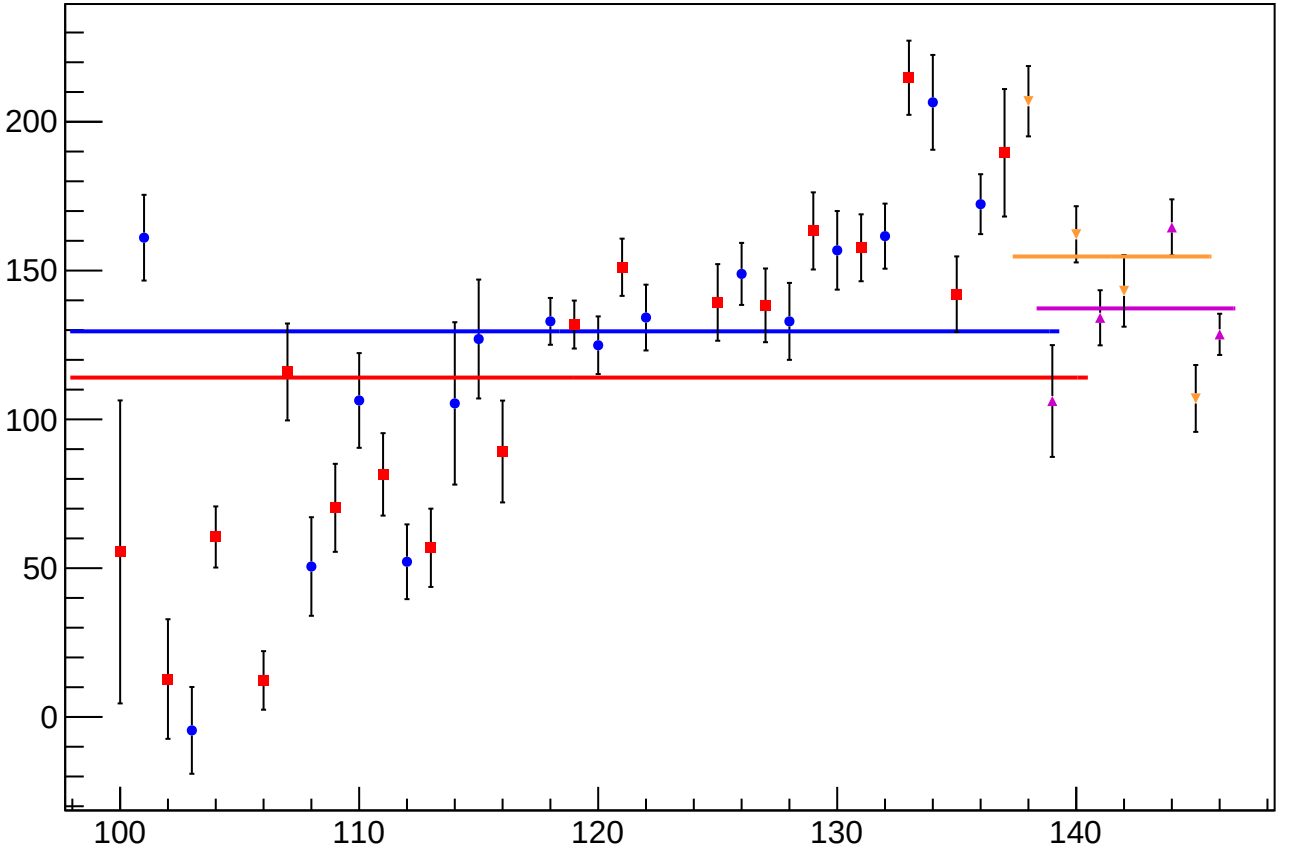
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 608.184+/-2.564 χ^2/NDF:3190.9/19

Out: 546.769+/-2.481 χ^2/NDF:6934.0/21

All: 576.466+/-1.783 χ^2/NDF: 10421.3/41

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 154.732+/-5.489 χ^2/NDF:39.1/3

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 137.283+/-4.630 χ^2/NDF:12.8/3

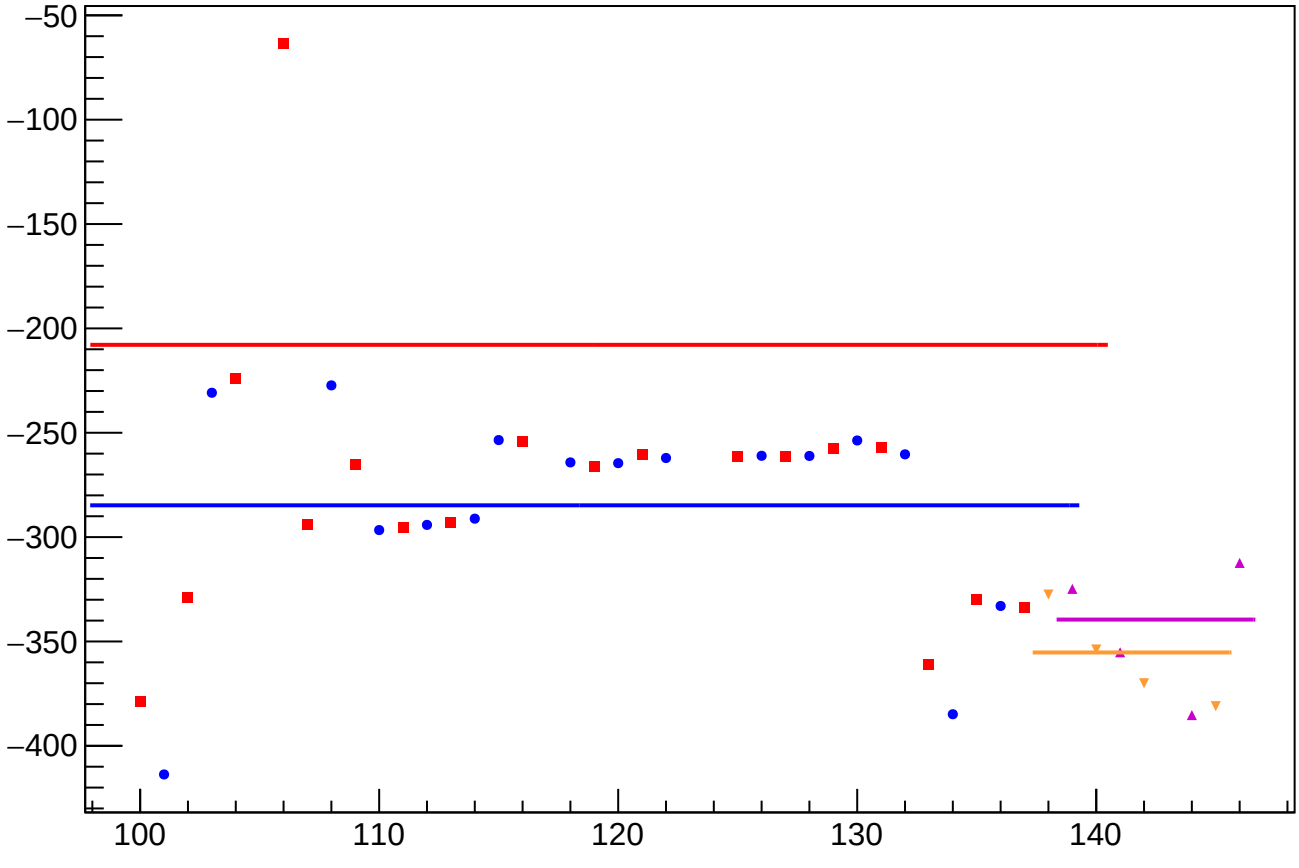
Left: 144.537+/-3.539 χ^2/NDF: 57.8/7

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 131.948+/-2.565 χ^2/NDF:226.0/19

Out: 123.291+/-2.616 χ^2/NDF:417.5/21

All: 127.705+/-1.832 χ^2/NDF: 649.0/41



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -355.267+/-0.241 χ^2/NDF:7405.9/3

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -339.508+/-0.217 χ^2/NDF:15434.1/3

Left: -346.562+/-0.161 χ^2/NDF: 25204.7/7

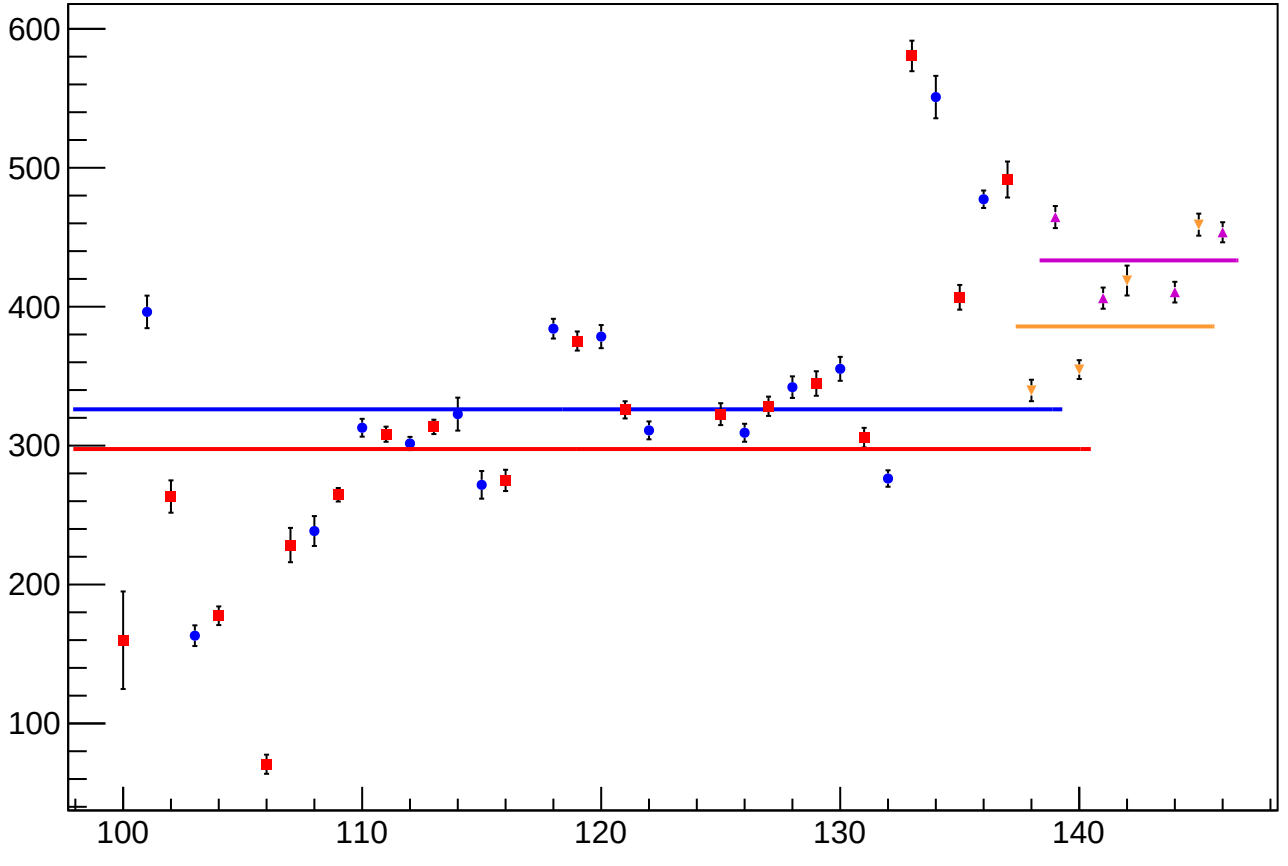
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -306.739+/-0.137 χ^2/NDF:157962.4/19

Out: -248.602+/-0.127 χ^2/NDF:815079.7/21

All: -275.307+/-0.093 χ^2/NDF: 1069879.0/41

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 385.785+/-3.980 χ^2/NDF:151.3/3

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 433.333+/-3.774 χ^2/NDF:45.3/3

Left: 410.822+/-2.739 χ^2/NDF: 271.8/7

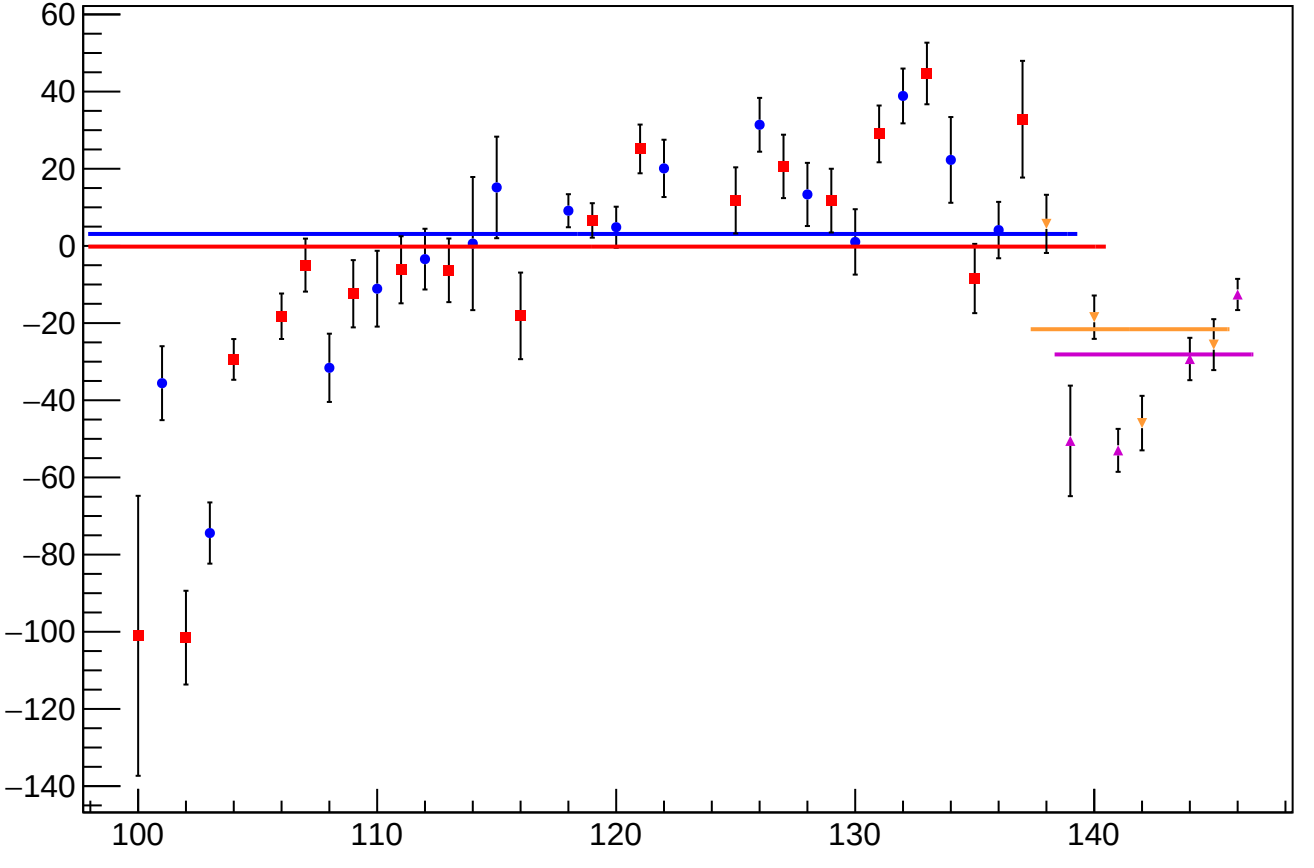
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 347.022+/-1.666 χ^2/NDF:2337.8/19

Out: 311.622+/-1.590 χ^2/NDF:3339.8/21

All: 328.497+/-1.150 χ^2/NDF: 5913.9/41

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -21.589+/-3.292 χ^2/NDF:25.7/3

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -28.124+/-2.758 χ^2/NDF:37.2/3

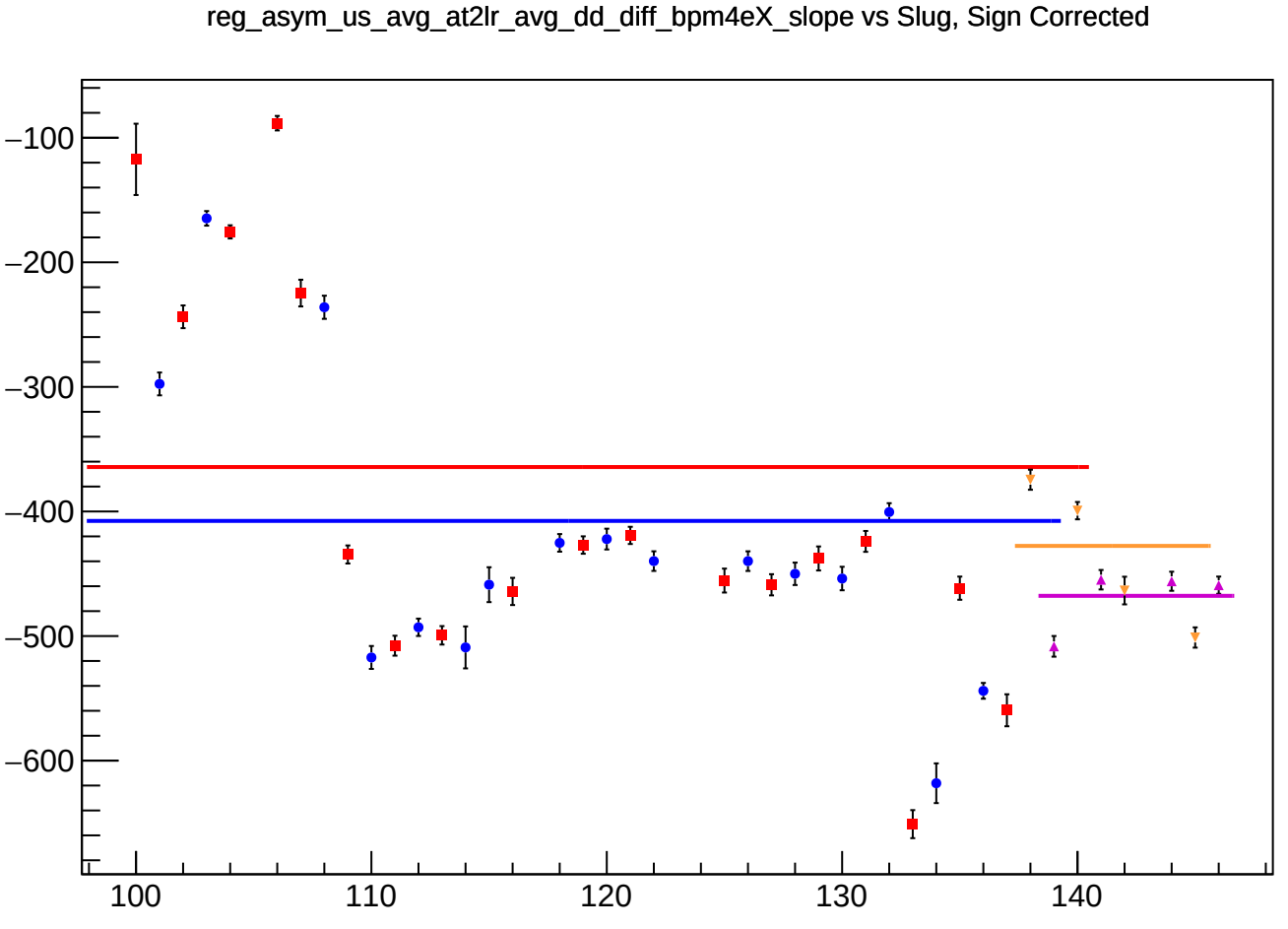
Left: -25.429+/-2.114 χ^2/NDF: 65.2/7

Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -6.894+/-1.560 χ^2/NDF:308.9/19

Out: -5.069+/-1.573 χ^2/NDF:263.5/21

All: -5.989+/-1.108 χ^2/NDF: 573.1/41



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -427.638+/-4.107 χ^2/NDF:152.1/3

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -467.717+/-3.811 χ^2/NDF:30.5/3

Left: -449.172+/-2.794 χ^2/NDF: 233.8/7

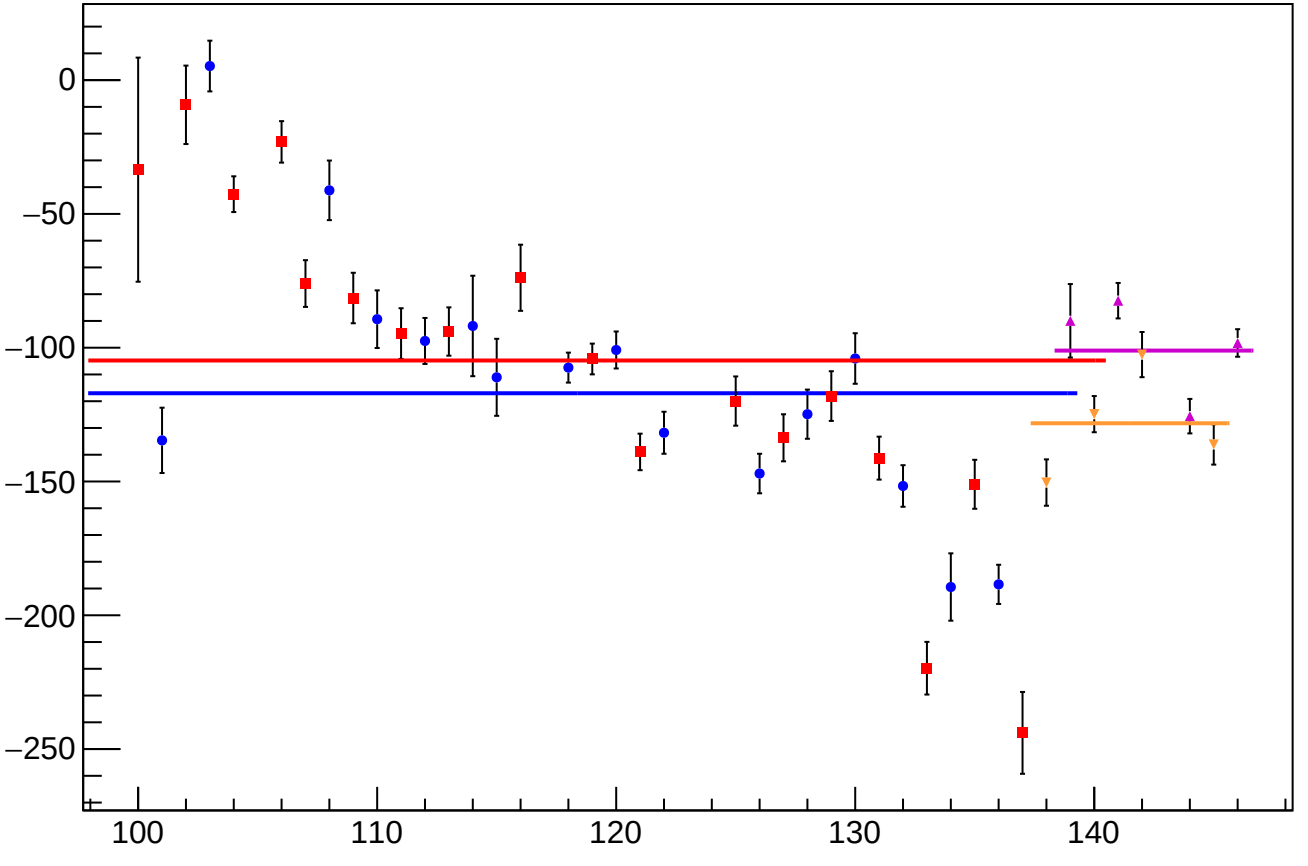
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -421.312+/-1.822 χ^2/NDF:3503.2/19

Out: -375.896+/-1.756 χ^2/NDF:6566.8/21

All: -397.770+/-1.264 χ^2/NDF: 10392.1/41

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -128.238+/-3.868 χ^2/NDF:17.1/3

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -101.075+/-3.335 χ^2/NDF:23.4/3

Left: -112.659+/-2.526 χ^2/NDF: 68.8/7

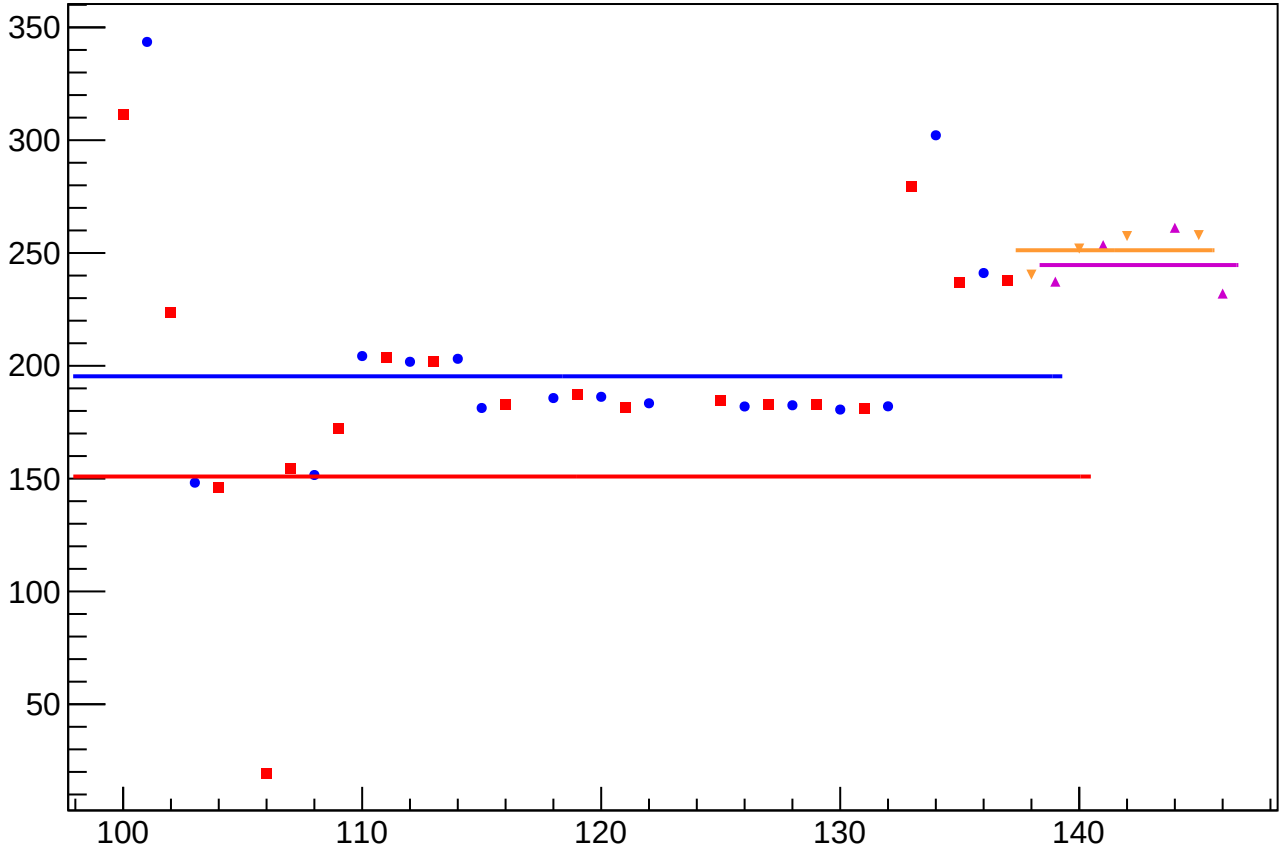
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -112.204+/-1.833 χ^2/NDF:447.1/19

Out: -110.084+/-1.839 χ^2/NDF:620.7/21

All: -111.147+/-1.298 χ^2/NDF: 1068.5/41

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: 251.220+/-0.171 χ^2/NDF:1733.2/3

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 244.660+/-0.156 χ^2/NDF:5503.9/3

Left: 247.649+/-0.115 χ^2/NDF: 8039.5/7

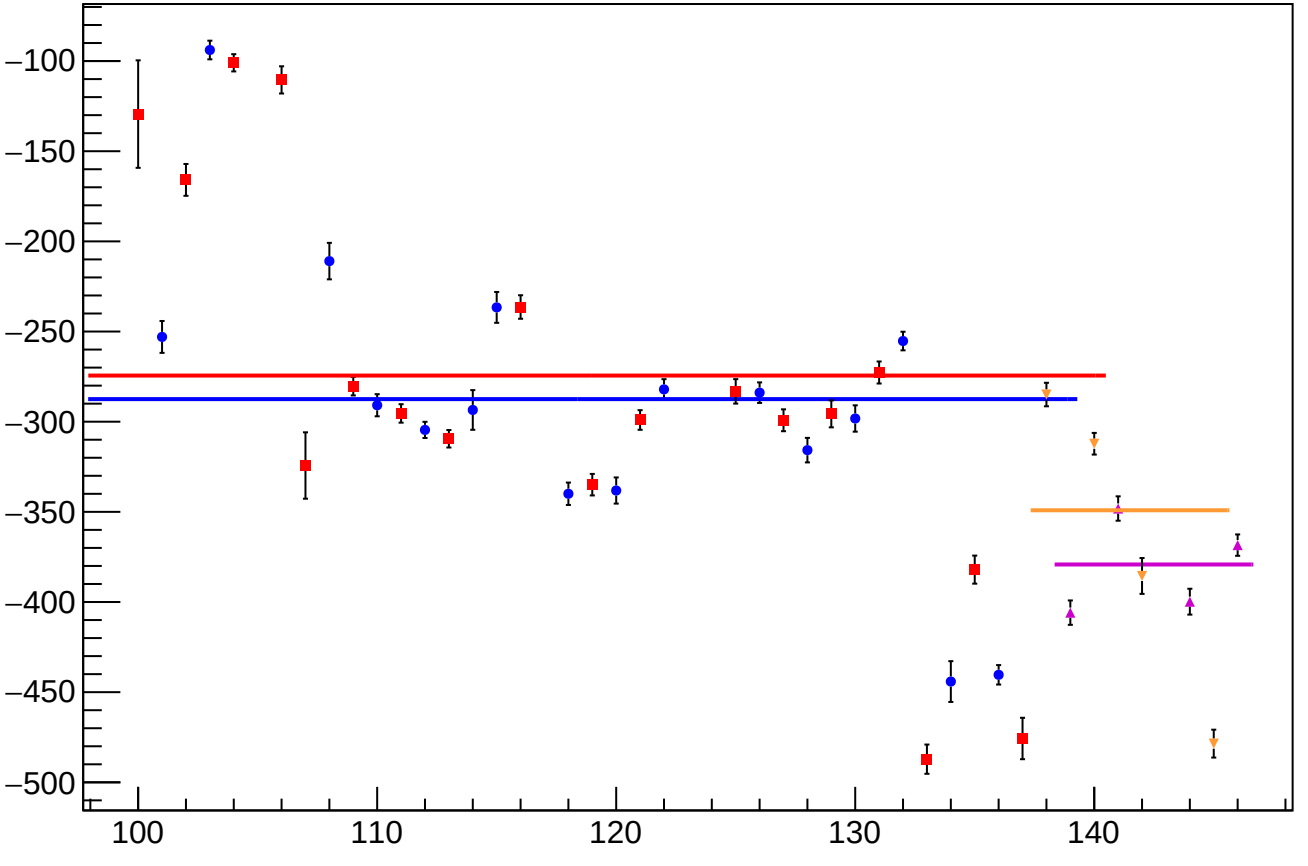
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 214.513+/-0.097 χ^2/NDF:243309.3/19

Out: 180.380+/-0.093 χ^2/NDF:744286.9/21

All: 196.574+/-0.067 χ^2/NDF: 1052072.2/41

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -349.122+/-3.580 χ^2/NDF:427.8/3

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -379.187+/-3.303 χ^2/NDF:48.2/3

Left: -365.360+/-2.428 χ^2/NDF: 514.1/7

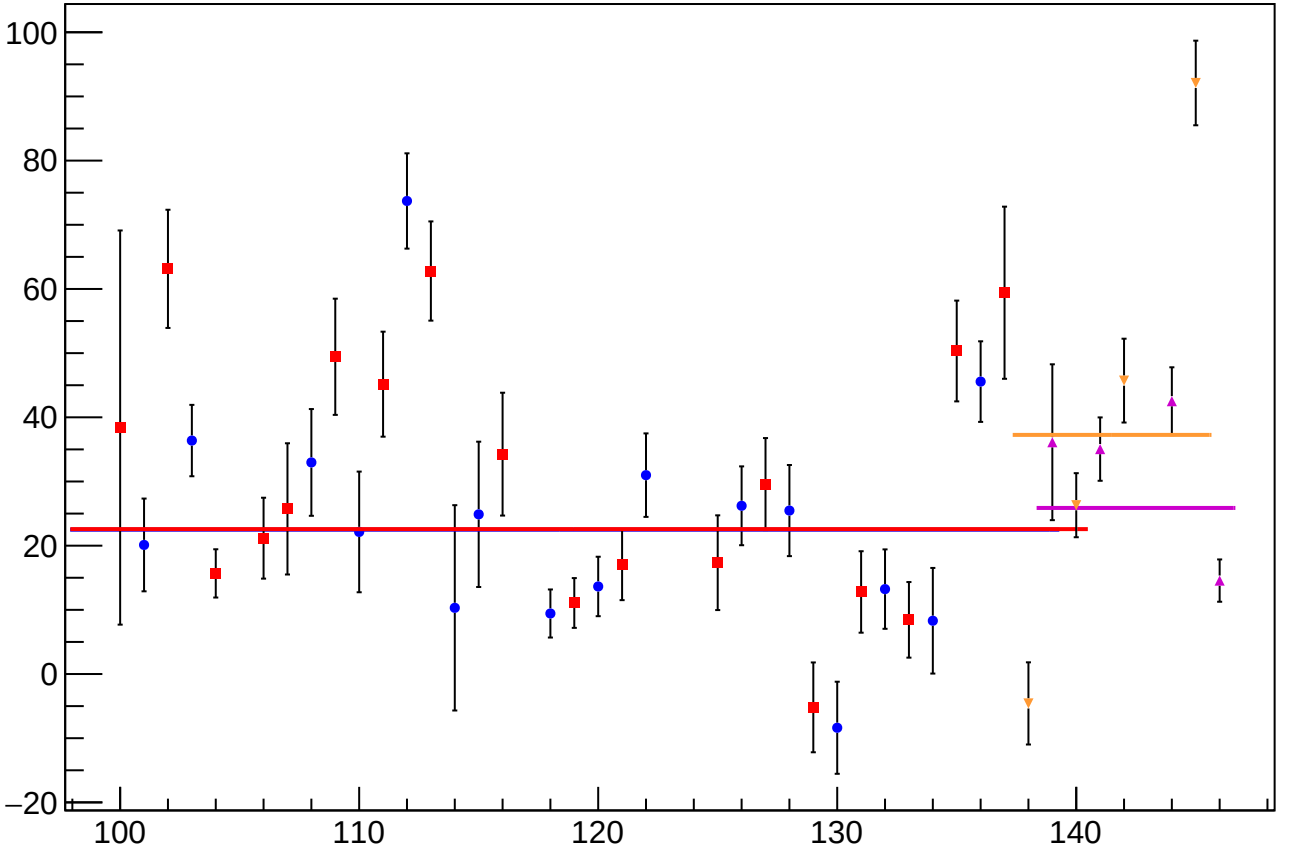
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -305.101+/-1.448 χ^2/NDF:3367.4/19

Out: -286.229+/-1.423 χ^2/NDF:4207.9/21

All: -295.503+/-1.015 χ^2/NDF: 7661.6/41

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: 37.260+/-3.002 χ^2/NDF:118.4/3

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 25.878+/-2.386 χ^2/NDF:25.9/3

Left: 30.284+/-1.868 χ^2/NDF: 153.1/7

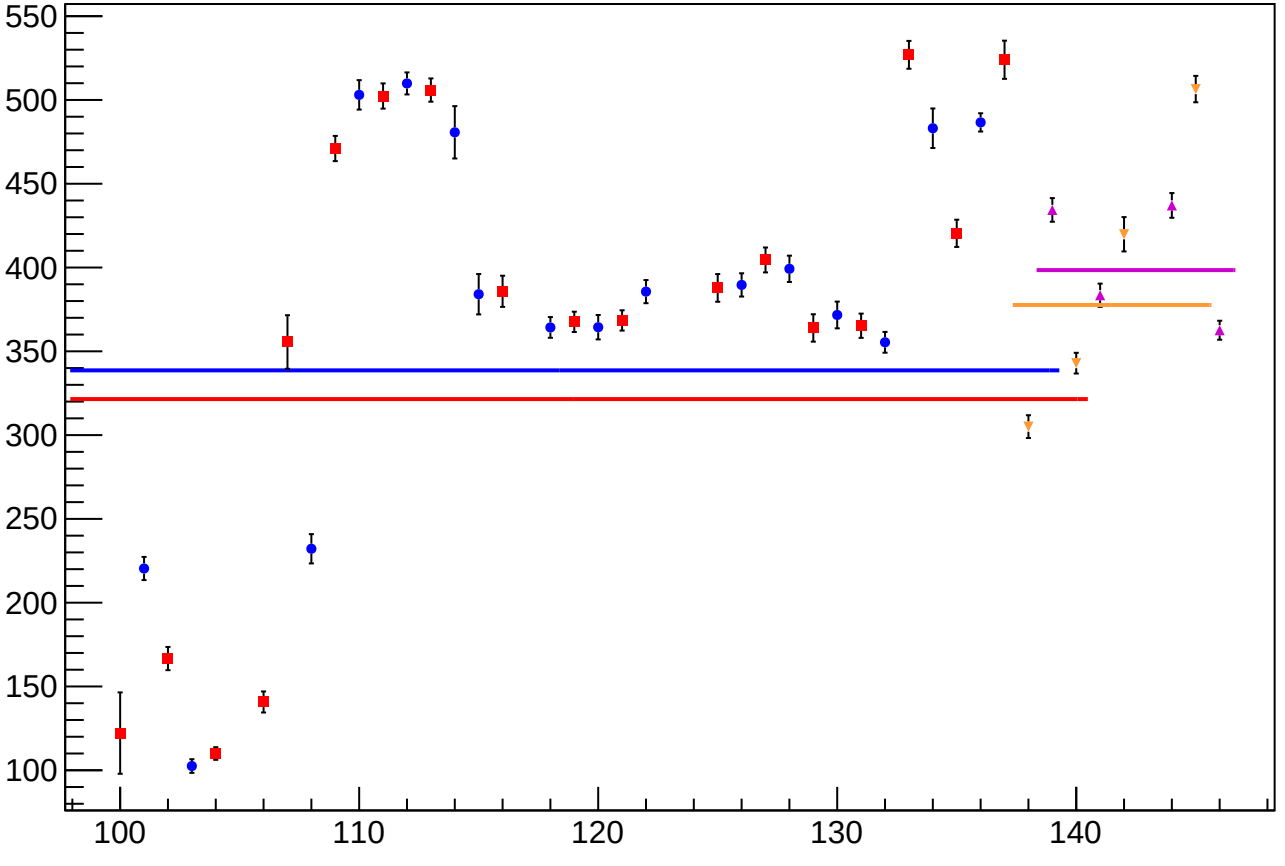
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 23.562+/-1.341 χ^2/NDF:138.7/19

Out: 25.732+/-1.391 χ^2/NDF:260.5/21

All: 24.607+/-0.965 χ^2/NDF: 400.5/41

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: 377.661+/-3.690 χ^2/NDF:429.9/3

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 398.464+/-3.326 χ^2/NDF:98.0/3

Left: 389.138+/-2.471 χ^2/NDF: 545.4/7

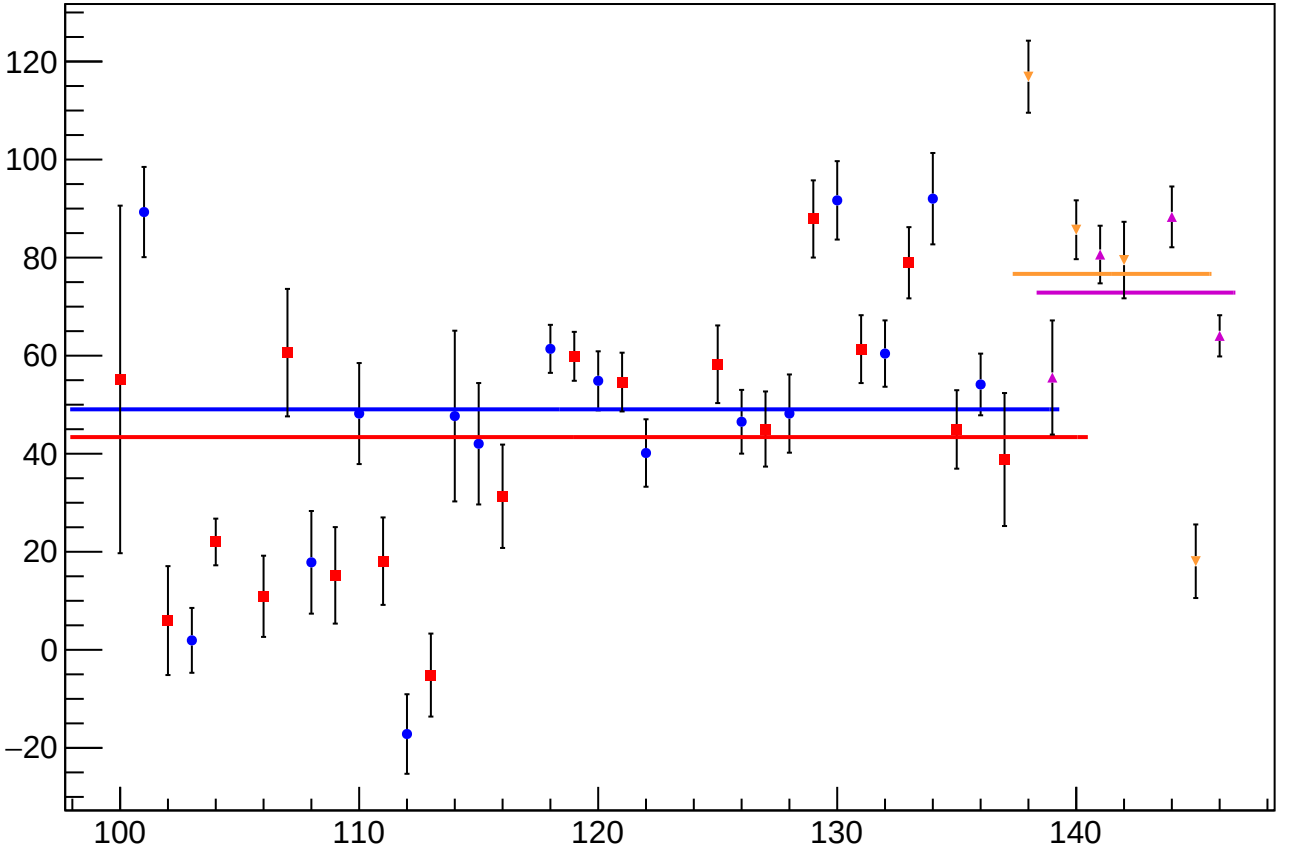
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 351.583+/-1.548 χ^2/NDF:6394.2/19

Out: 331.277+/-1.540 χ^2/NDF:8342.0/21

All: 341.378+/-1.091 χ^2/NDF: 14822.7/41

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 76.681+/-3.526 χ^2/NDF:93.3/3

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.860+/-2.900 χ^2/NDF:14.6/3

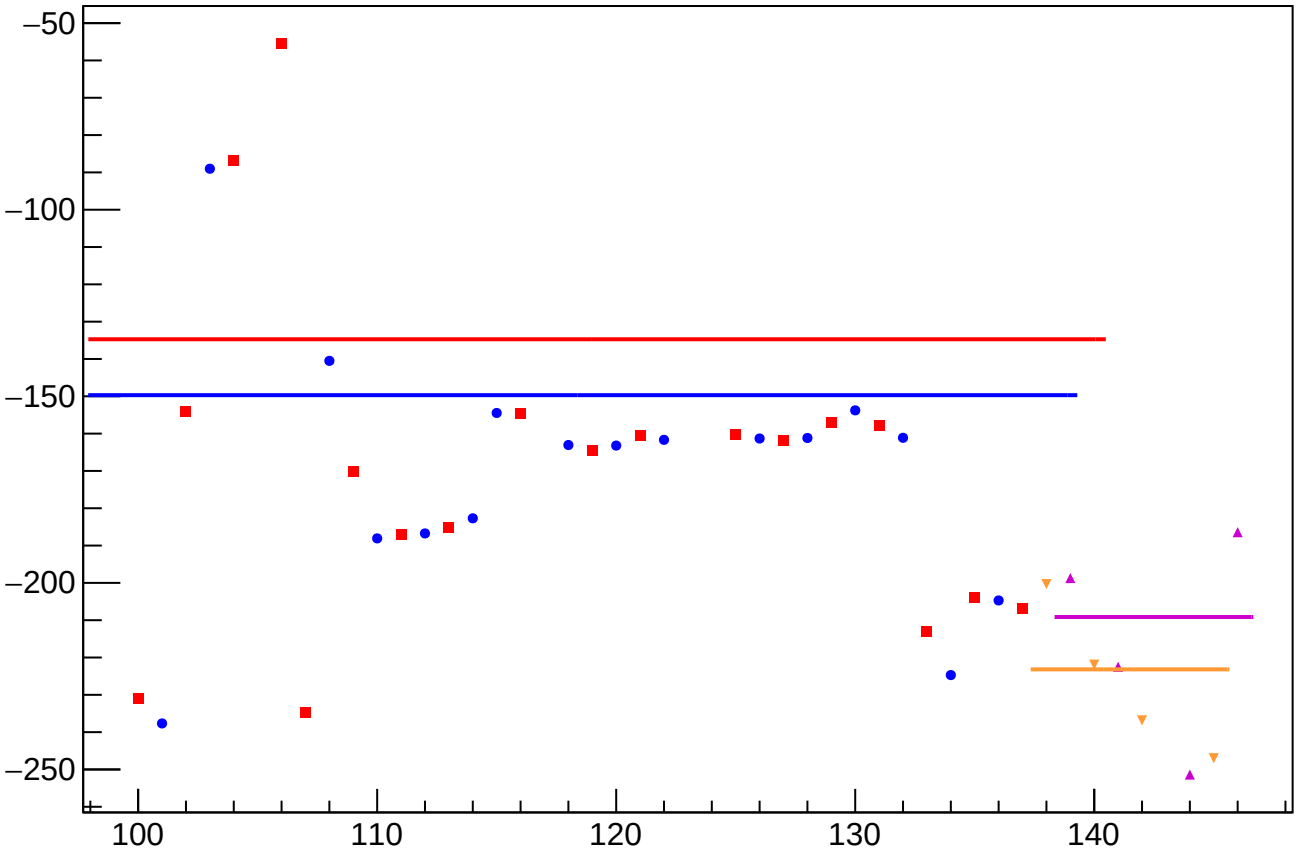
Left: 74.402+/-2.240 χ^2/NDF: 108.6/7

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 56.111+/-1.579 χ^2/NDF:269.9/19

Out: 50.480+/-1.627 χ^2/NDF:343.5/21

All: 53.380+/-1.133 χ^2/NDF: 619.6/41



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -223.178+/-0.154 χ^2/NDF:13869.0/3

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -209.146+/-0.136 χ^2/NDF:28874.8/3

Left: -215.306+/-0.102 χ^2/NDF: 47428.3/7

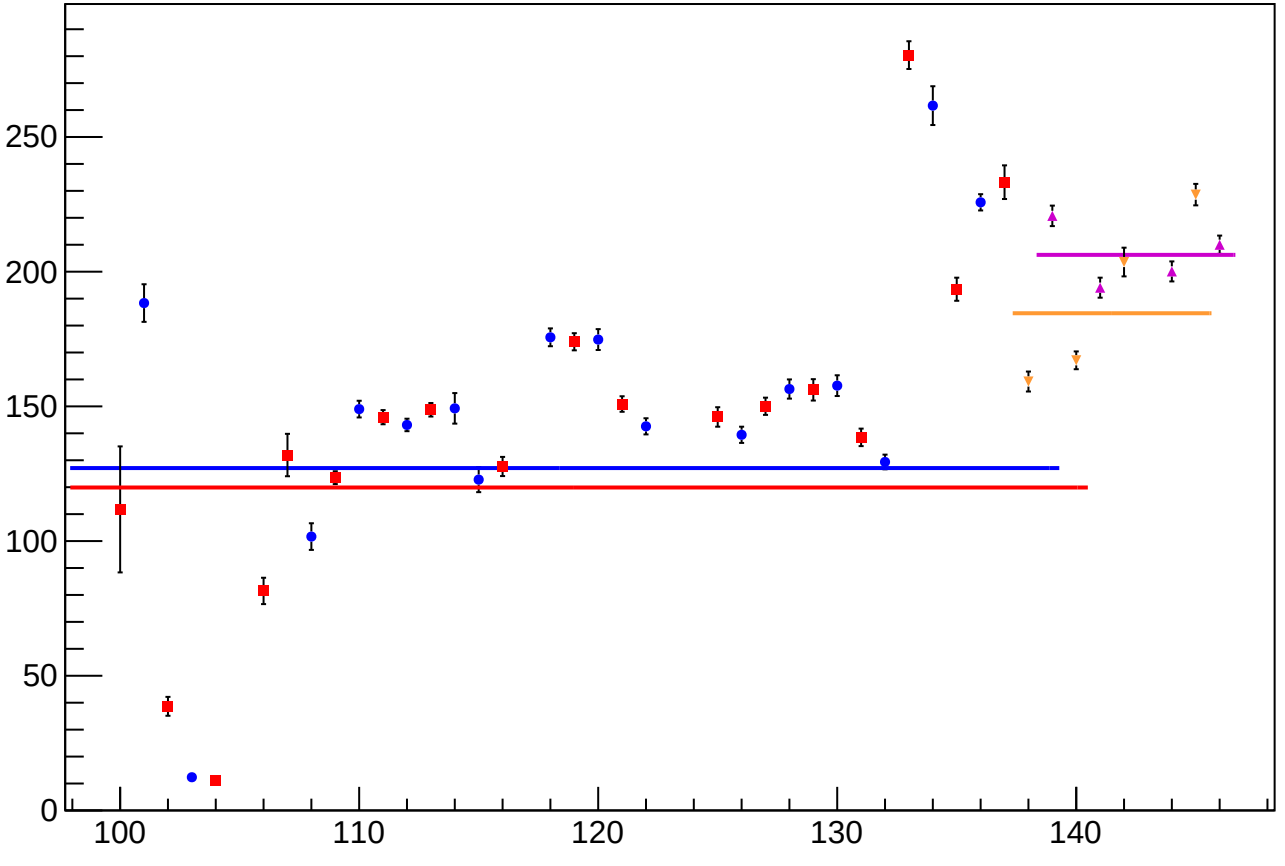
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -170.813+/-0.081 χ^2/NDF:408837.0/19

Out: -159.945+/-0.082 χ^2/NDF:563743.3/21

All: -165.449+/-0.058 χ^2/NDF: 981475.0/41

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: 184.573+/-1.951 χ^2/NDF:209.7/3

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 206.243+/-1.824 χ^2/NDF:29.2/3

Left: 196.139+/-1.332 χ^2/NDF: 304.8/7

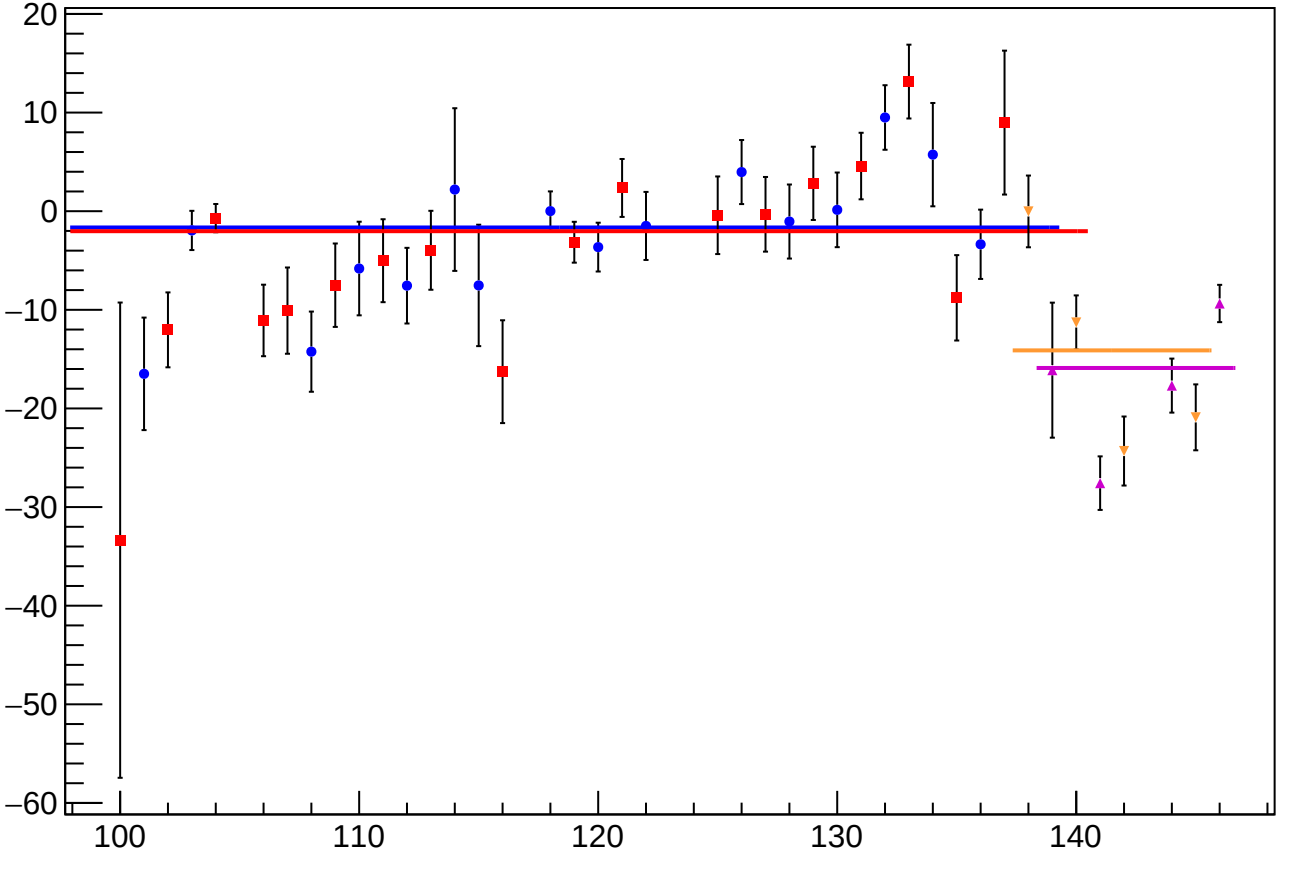
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 140.164+/-0.741 χ^2/NDF:7765.1/19

Out: 128.687+/-0.720 χ^2/NDF:7809.1/21

All: 134.258+/-0.516 χ^2/NDF: 15697.6/41

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: -14.113+/-1.623 χ^2/NDF:28.7/3

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -15.897+/-1.325 χ^2/NDF:30.9/3

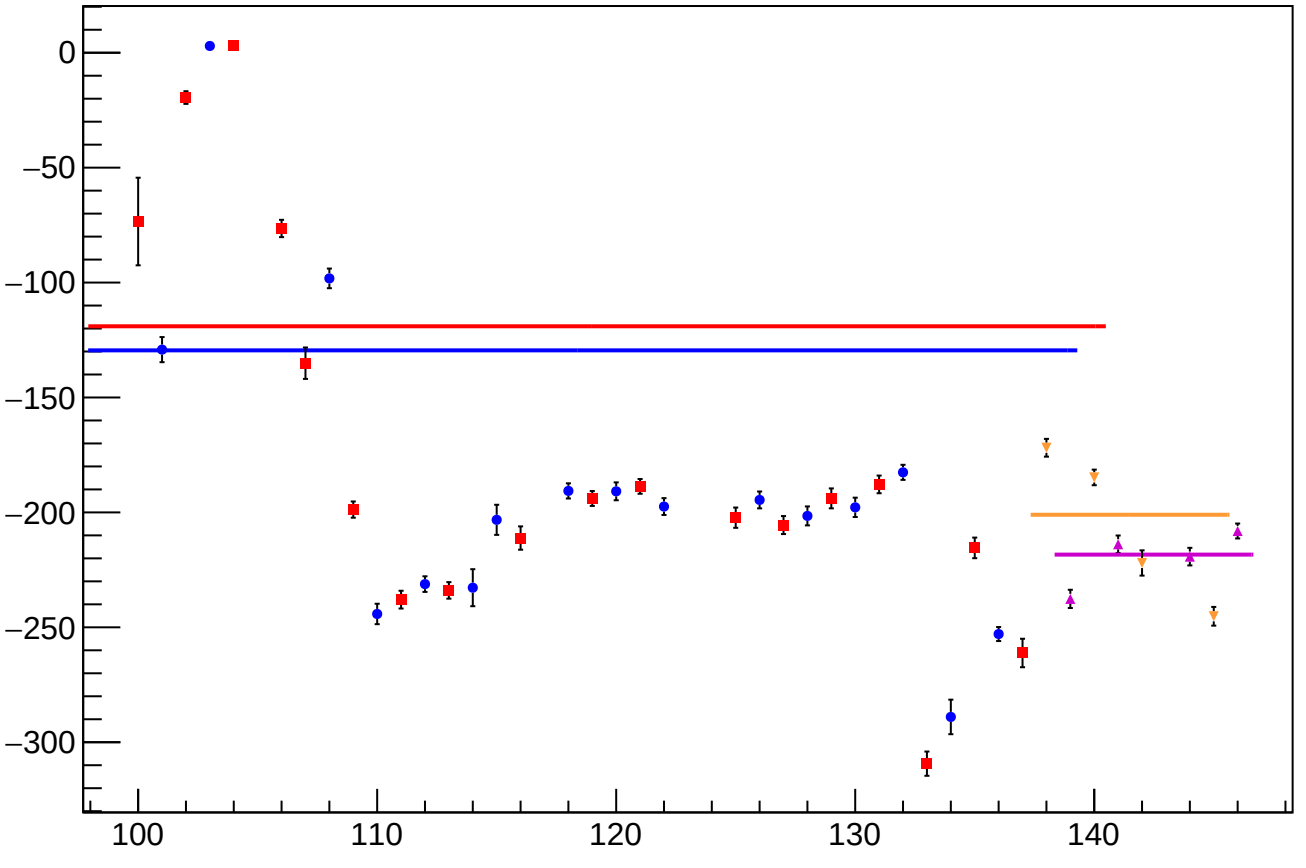
Left: -15.184+/-1.026 χ^2/NDF: 60.3/7

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.686+/-0.705 χ^2/NDF:152.8/19

Out: -4.249+/-0.696 χ^2/NDF:132.5/21

All: -4.958+/-0.495 χ^2/NDF: 287.5/41



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.027+/-2.012 χ^2/NDF:211.8/3

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -218.366+/-1.839 χ^2/NDF:35.1/3

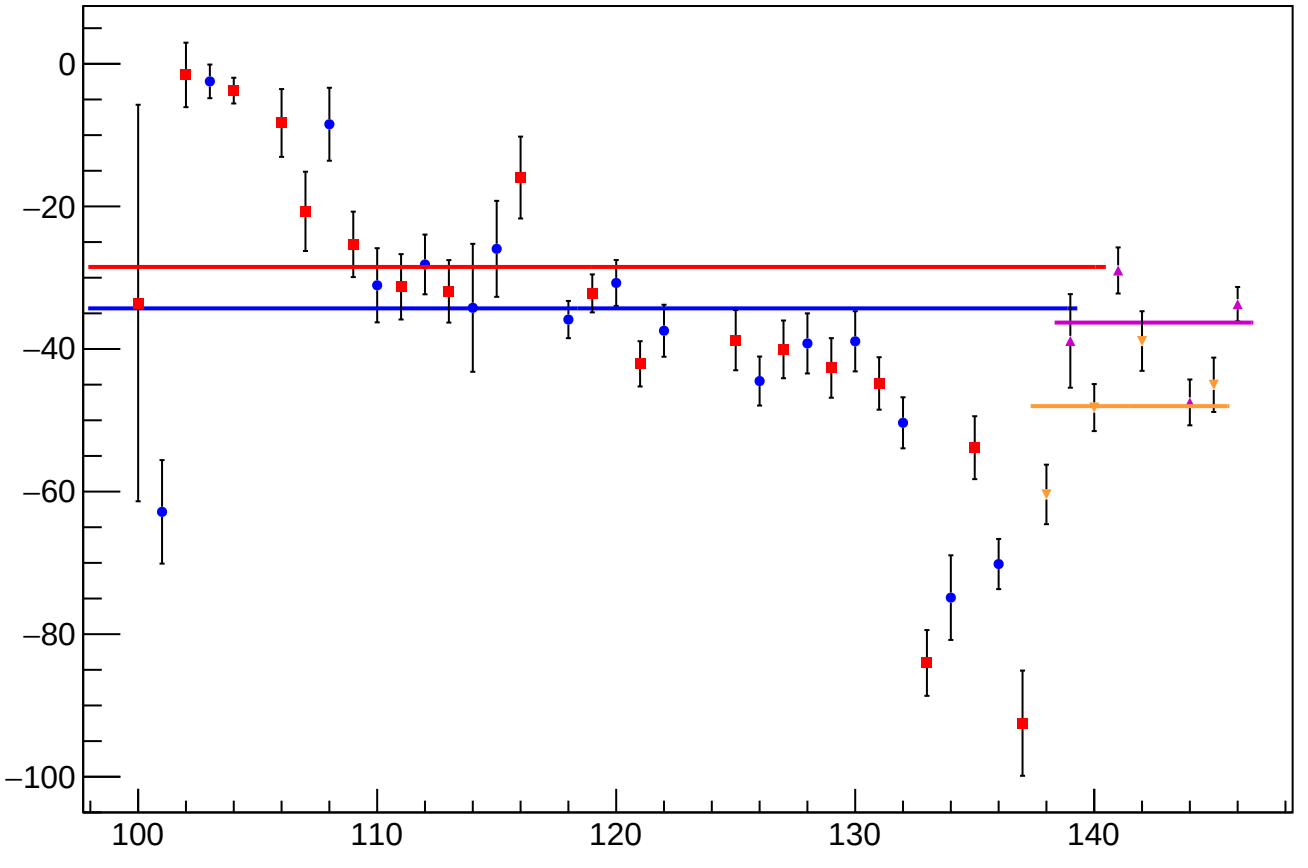
Left: -210.474+/-1.358 χ^2/NDF: 287.4/7

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -145.029+/-0.769 χ^2/NDF:16649.7/19

Out: -130.525+/-0.754 χ^2/NDF:17817.0/21

All: -137.632+/-0.538 χ^2/NDF: 34648.2/41



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -48.015+/-1.906 χ^2/NDF:14.2/3

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -36.293+/-1.606 χ^2/NDF:18.6/3

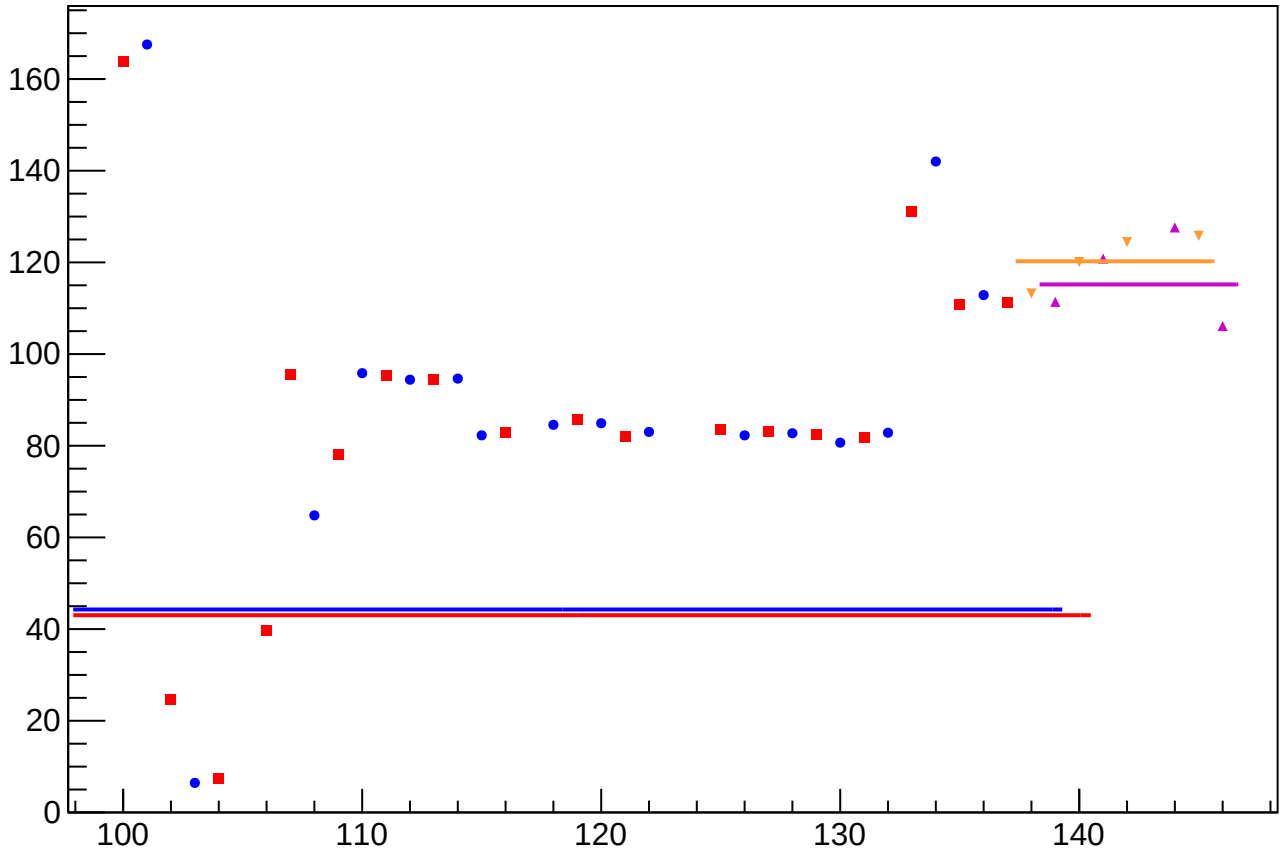
Left: -41.160+/-1.228 χ^2/NDF: 54.9/7

Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -34.831+/-0.829 χ^2/NDF:431.0/19

Out: -32.093+/-0.819 χ^2/NDF:667.8/21

All: -33.445+/-0.583 χ^2/NDF: 1104.3/41



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 120.237+/-0.084 χ^2/NDF:3562.4/3

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 115.189+/-0.075 χ^2/NDF:11505.0/3

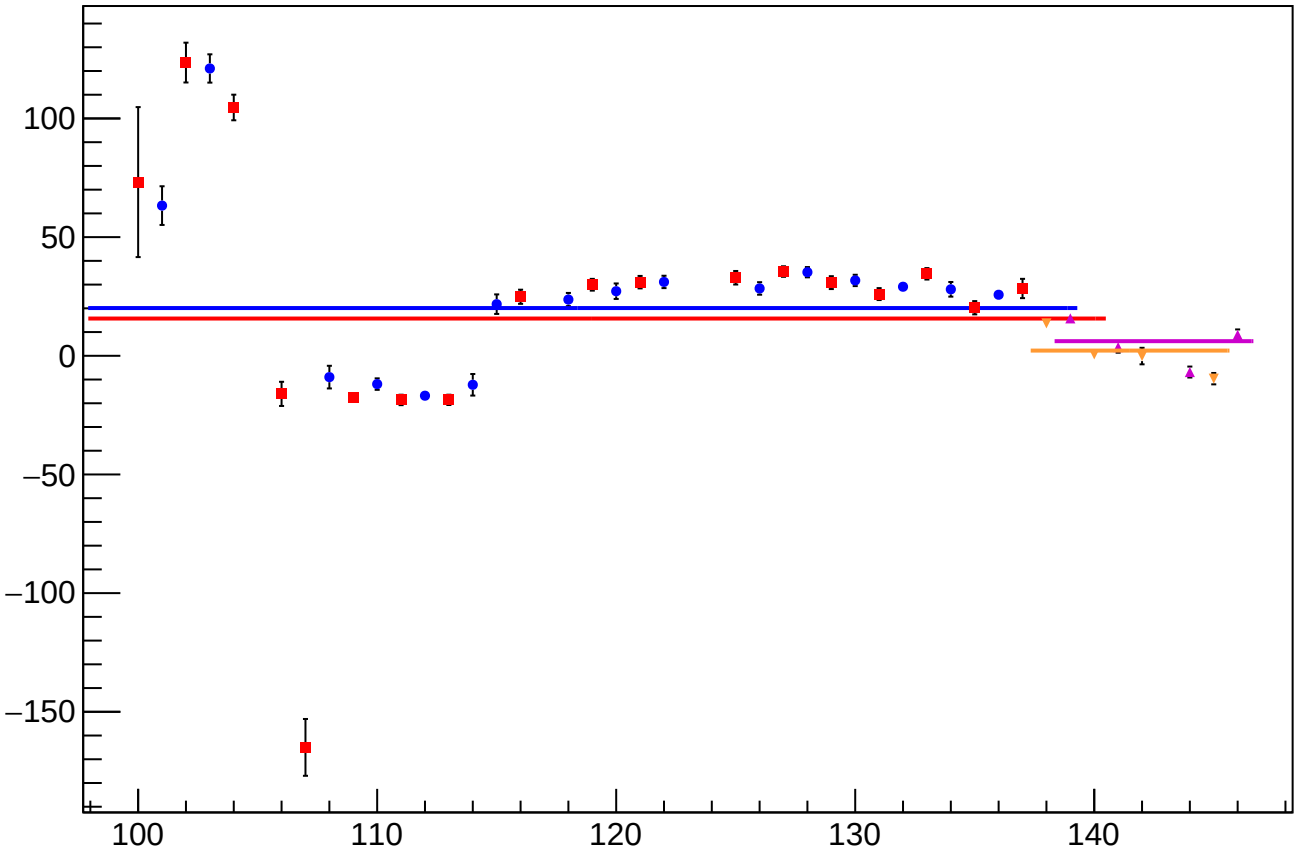
Left: 117.449+/-0.056 χ^2/NDF: 17077.7/7

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 62.892+/-0.039 χ^2/NDF:1750269.1/19

Out: 60.376+/-0.040 χ^2/NDF:1468747.5/21

All: 61.668+/-0.028 χ^2/NDF: 3221083.2/41



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 2.197+/-1.180 χ^2/NDF:55.5/3

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.164+/-1.111 χ^2/NDF:57.2/3

Left: 4.299+/-0.809 χ^2/NDF: 118.7/7

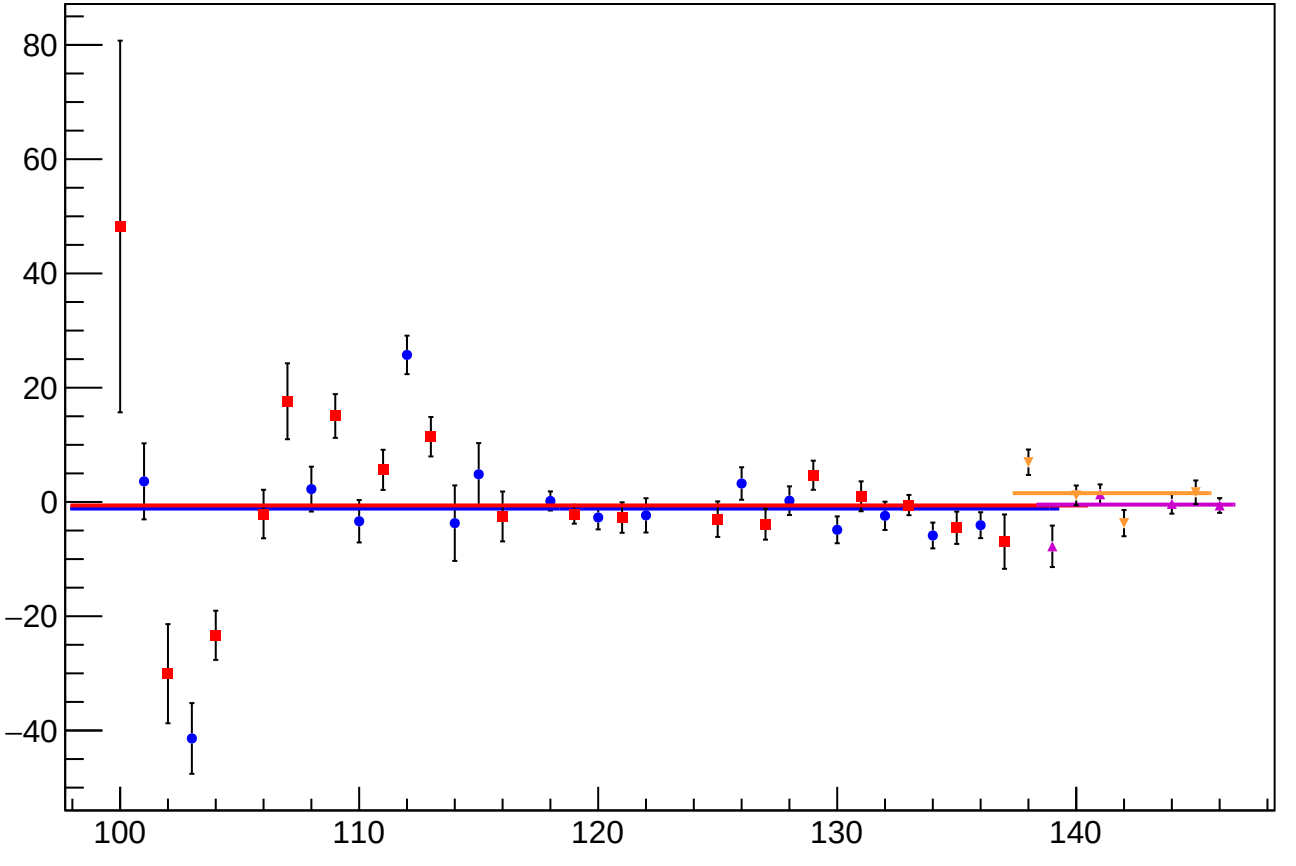
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 16.258+/-0.584 χ^2/NDF:1219.4/19

Out: 12.317+/-0.590 χ^2/NDF:1927.5/21

All: 14.308+/-0.415 χ^2/NDF: 3169.4/41

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: 1.542+/-1.022 χ^2/NDF:11.2/3

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.463+/-0.860 χ^2/NDF:5.2/3

Left: 0.368+/-0.658 χ^2/NDF: 18.6/7

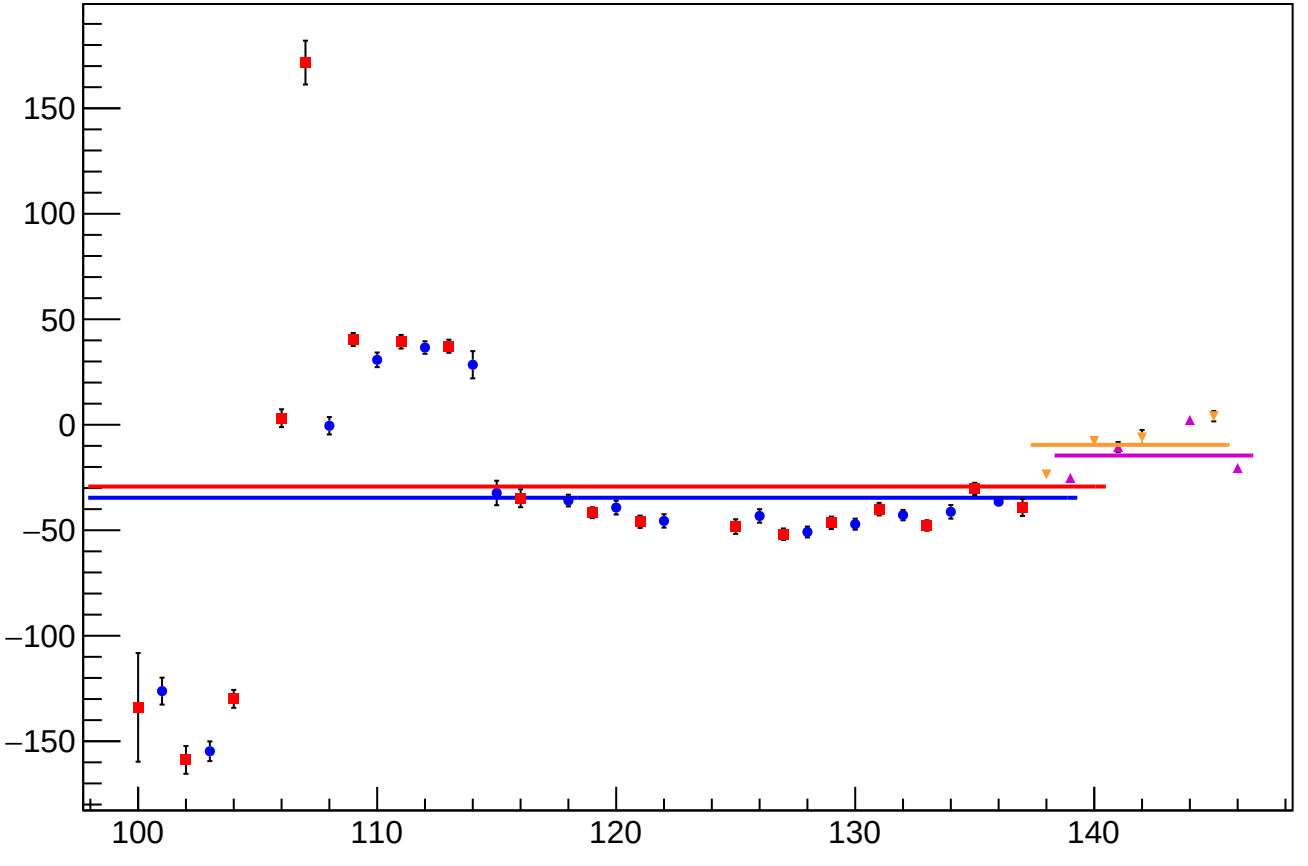
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.877+/-0.542 χ^2/NDF:127.4/19

Out: 0.092+/-0.585 χ^2/NDF:107.6/21

All: -0.429+/-0.398 χ^2/NDF: 236.5/41

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: -9.522+/-1.217 χ^2/NDF:74.0/3

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -14.576+/-1.127 χ^2/NDF:86.2/3

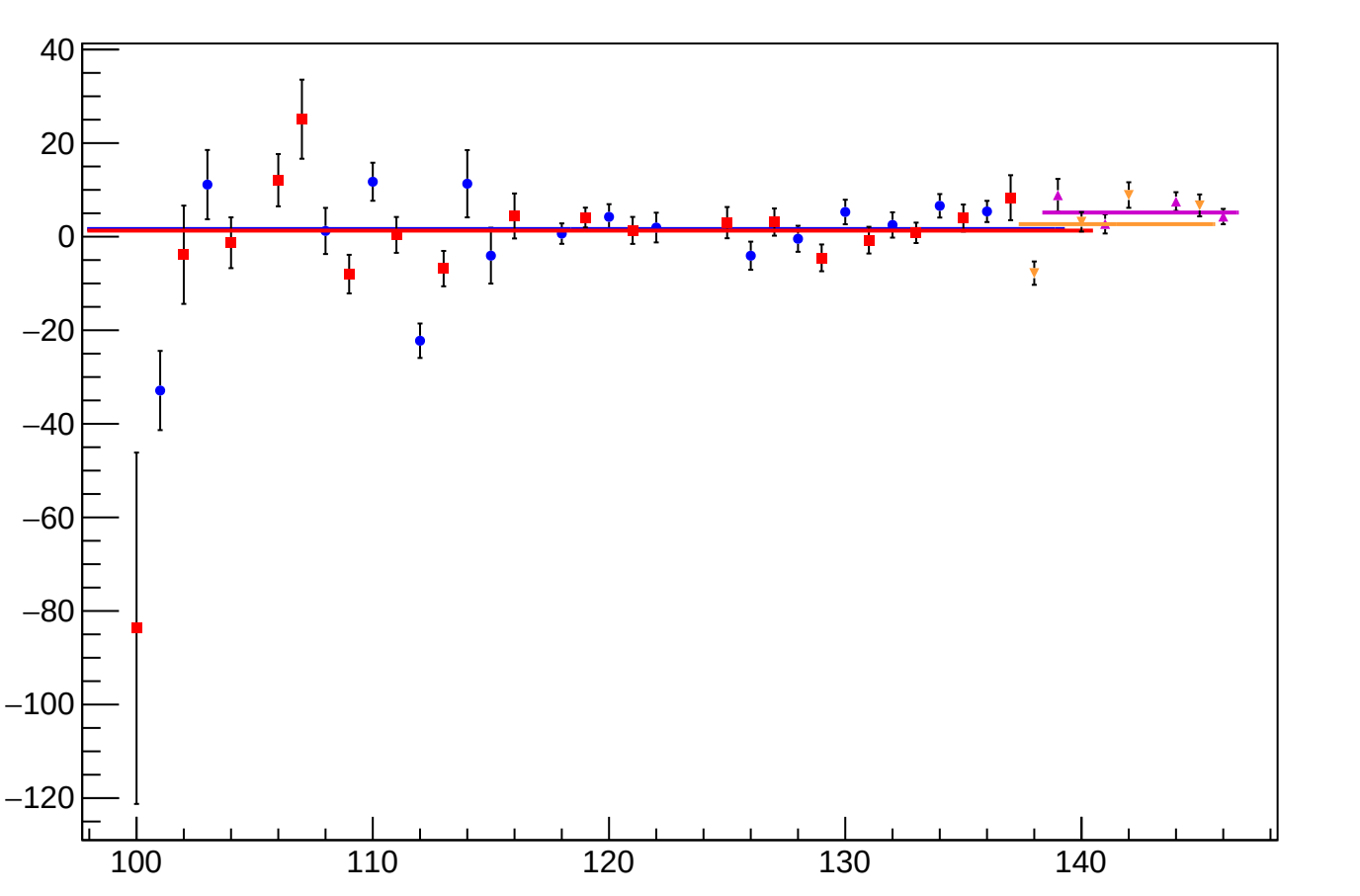
Left: -12.242+/-0.827 χ^2/NDF: 169.5/7

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

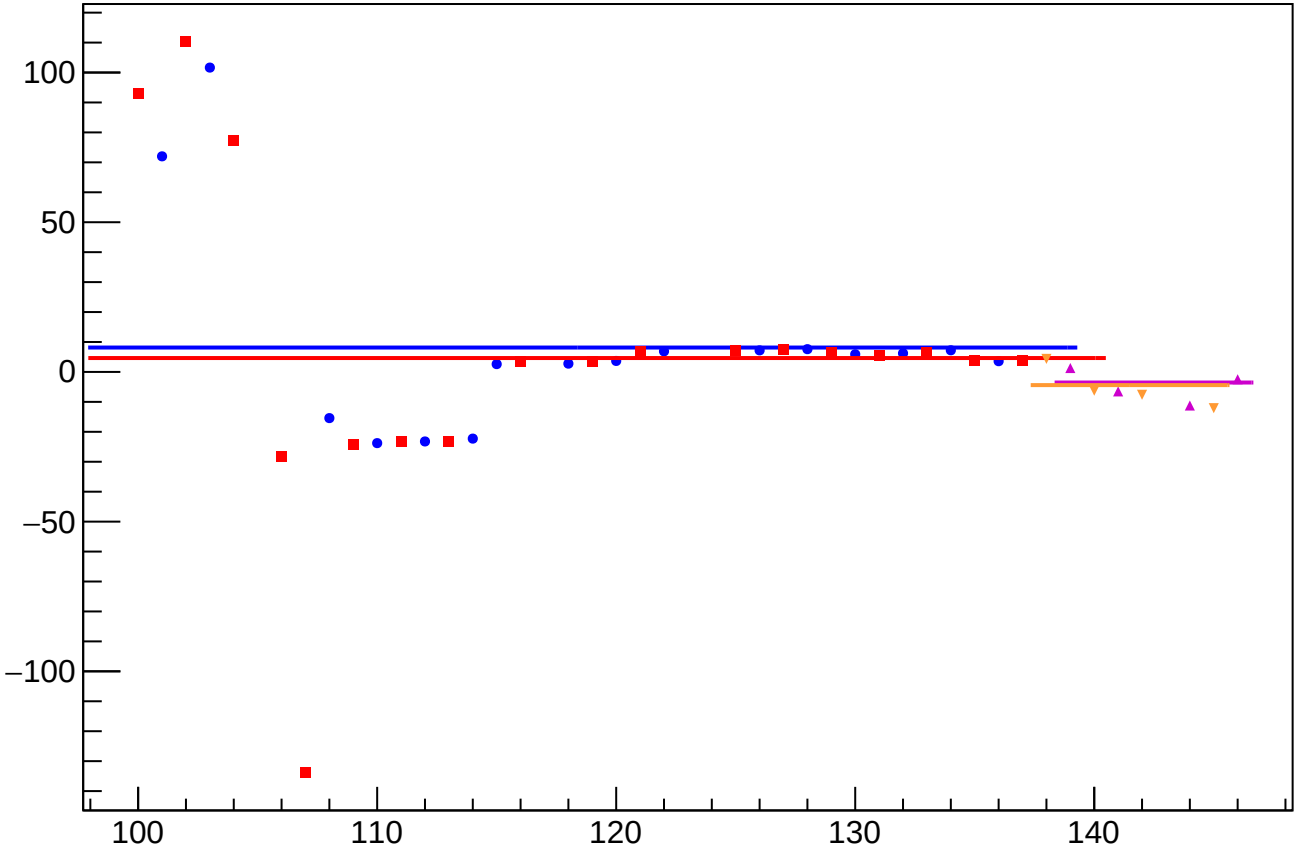
In: -28.043+/-0.645 χ^2/NDF:2357.0/19

Out: -23.315+/-0.668 χ^2/NDF:3339.2/21

All: -25.764+/-0.464 χ^2/NDF: 5722.1/41


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
Right In: 1.630+/-0.797 χ²/NDF: 83.3/15
Left Out: 2.677+/-1.188 χ²/NDF:25.8/3
Right Out: 1.298+/-0.817 χ²/NDF: 37.5/17
Left In: 5.156+/-1.030 χ²/NDF:4.2/3
Left: 4.092+/-0.778 χ²/NDF: 32.5/7
Right: 1.468+/-0.570 χ²/NDF: 120.9/33
In: 2.950+/-0.630 χ²/NDF:94.8/19
Out: 1.741+/-0.673 χ²/NDF:64.2/21
All: 2.385+/-0.460 χ²/NDF: 160.8/41

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: -4.401+/-0.050 χ^2/NDF:17727.4/3

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.537+/-0.045 χ^2/NDF:10475.3/3

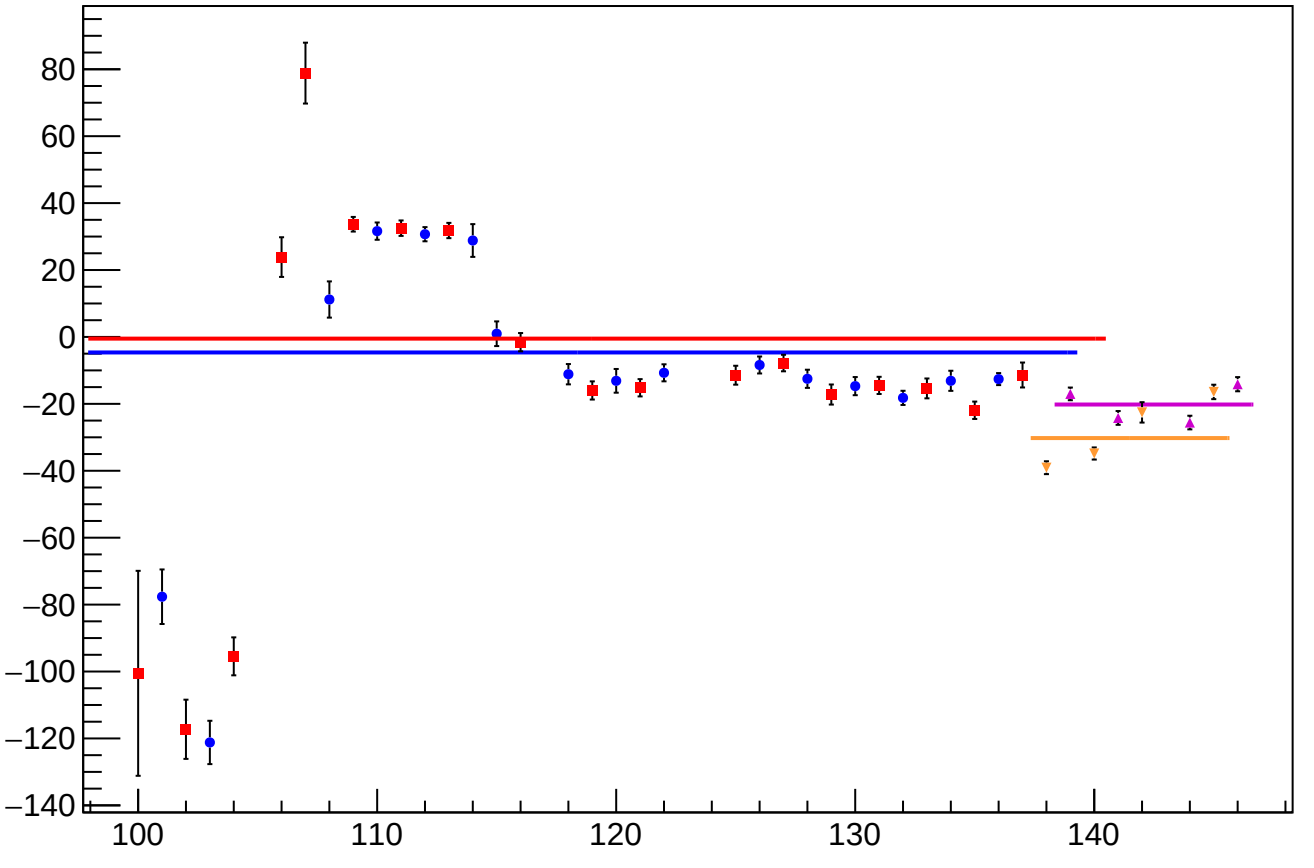
Left: -3.930+/-0.034 χ^2/NDF: 28367.0/7

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 1.938+/-0.033 χ^2/NDF:354824.2/19

Out: -0.051+/-0.036 χ^2/NDF:480397.9/21

All: 1.023+/-0.024 χ^2/NDF: 836881.8/41



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -30.228+/-1.056 χ^2/NDF:74.9/3

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -20.200+/-1.012 χ^2/NDF:21.8/3

Left: -24.997+/-0.731 χ^2/NDF: 143.7/7

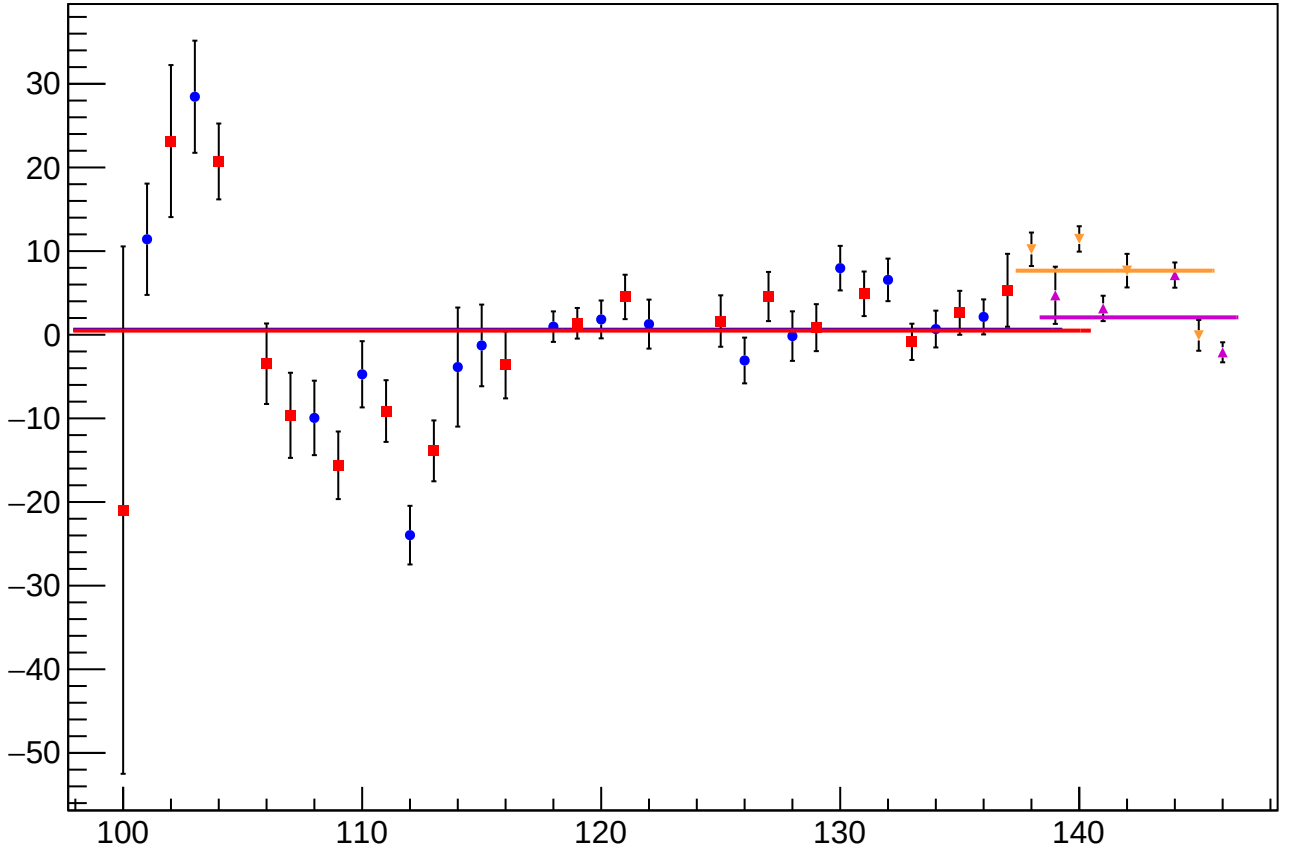
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -9.789+/-0.582 χ^2/NDF:1226.3/19

Out: -9.768+/-0.590 χ^2/NDF:2077.5/21

All: -9.778+/-0.414 χ^2/NDF: 3303.8/41

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 7.661+/-0.903 χ^2/NDF:25.5/3

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 2.079+/-0.777 χ^2/NDF:24.5/3

Left: 4.452+/-0.589 χ^2/NDF: 72.0/7

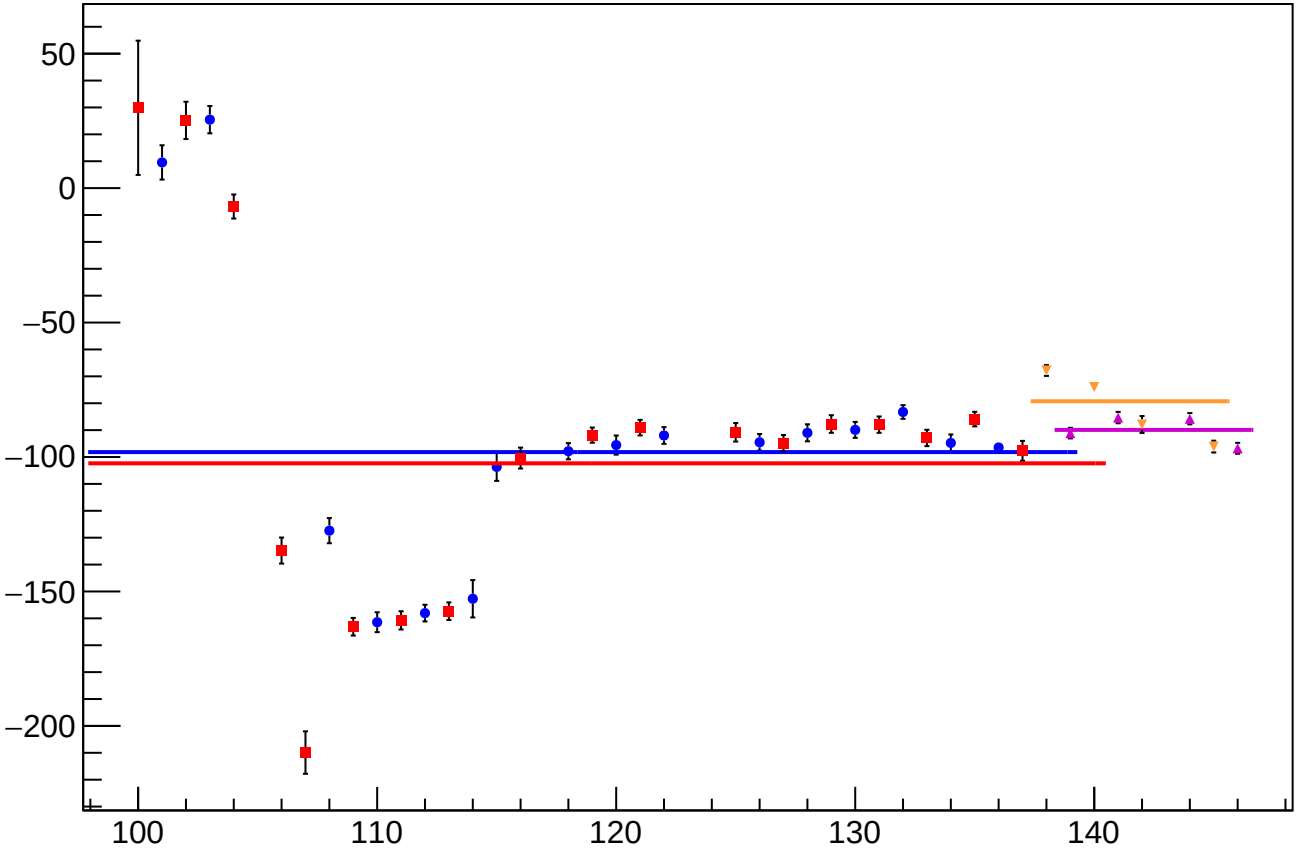
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 1.292+/-0.531 χ^2/NDF:119.3/19

Out: 3.443+/-0.579 χ^2/NDF:142.7/21

All: 2.274+/-0.391 χ^2/NDF: 269.5/41

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: -79.264+/-1.090 χ^2/NDF:106.7/3

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -89.914+/-1.026 χ^2/NDF:20.3/3

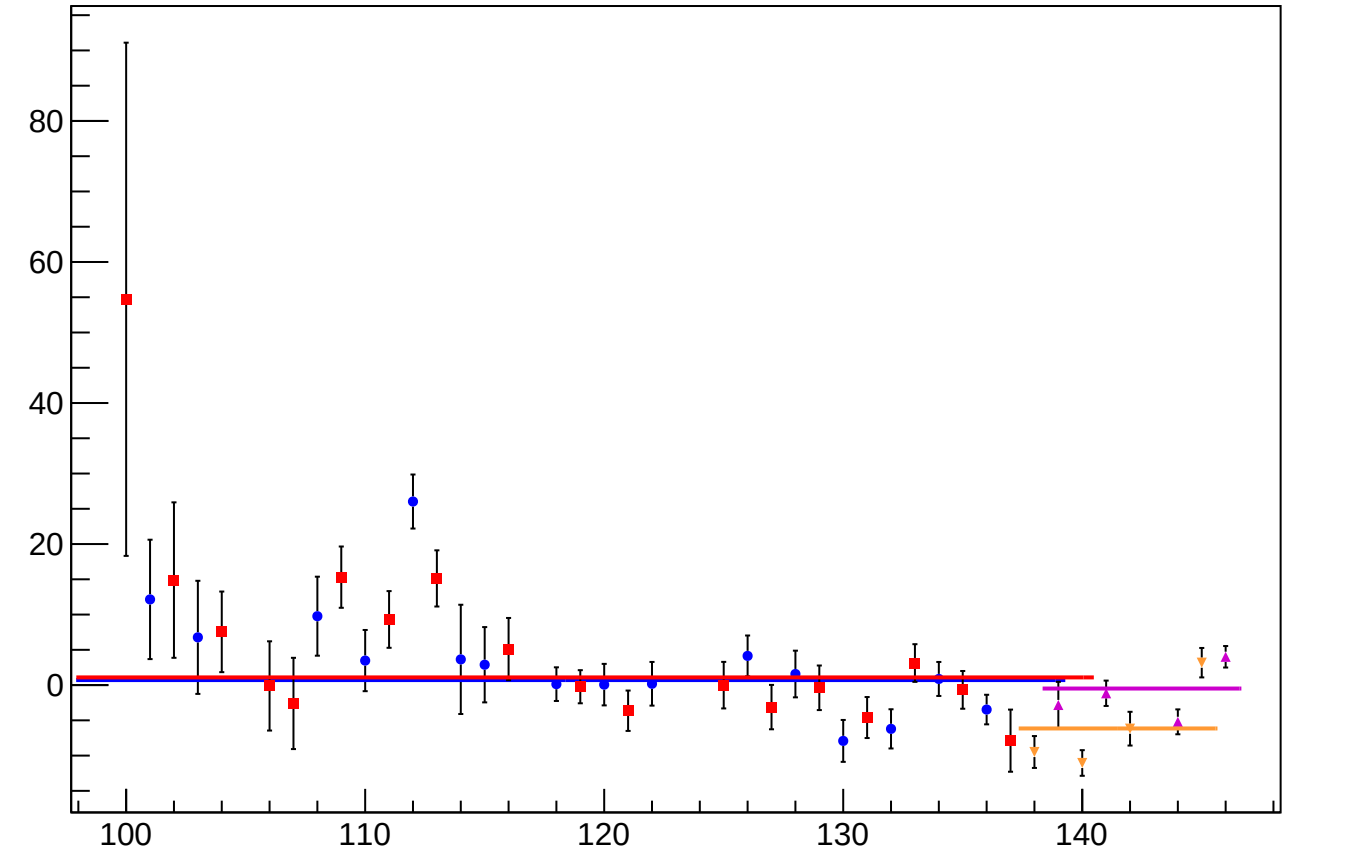
Left: -84.907+/-0.747 χ^2/NDF: 177.6/7

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -94.988+/-0.637 χ^2/NDF:1760.0/19

Out: -93.784+/-0.664 χ^2/NDF:2506.4/21

All: -94.411+/-0.460 χ^2/NDF: 4268.1/41



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -6.152+/-1.053 χ^2/NDF:29.4/3

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.490+/-0.931 χ^2/NDF:16.5/3

Left: -2.975+/-0.697 χ^2/NDF: 62.1/7

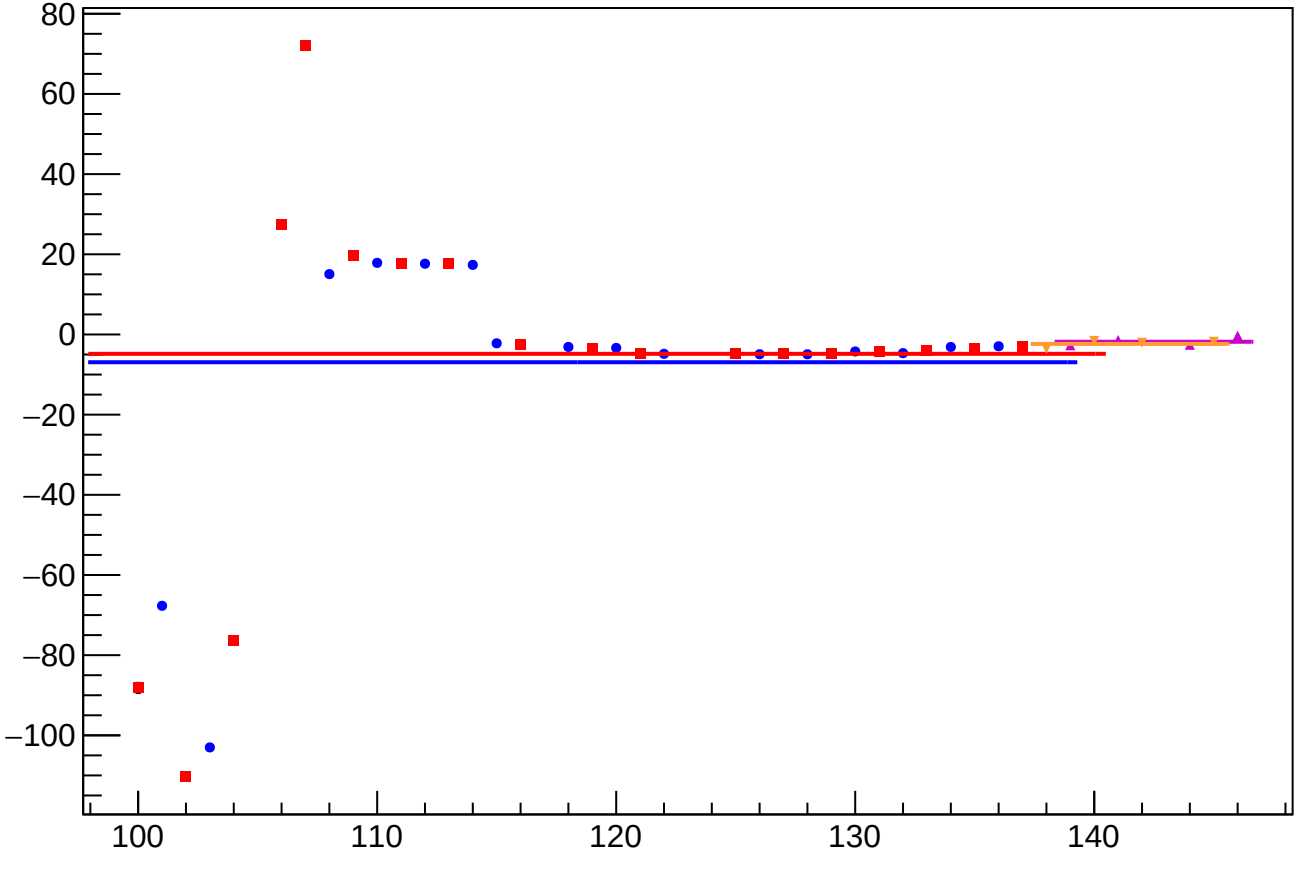
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 0.185+/-0.616 χ^2/NDF:87.1/19

Out: -1.795+/-0.664 χ^2/NDF:105.5/21

All: -0.730+/-0.452 χ^2/NDF: 197.4/41

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -2.355+/-0.045 χ^2/NDF:355.5/3

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -1.821+/-0.042 χ^2/NDF:544.9/3

Left: -2.068+/-0.030 χ^2/NDF: 976.8/7

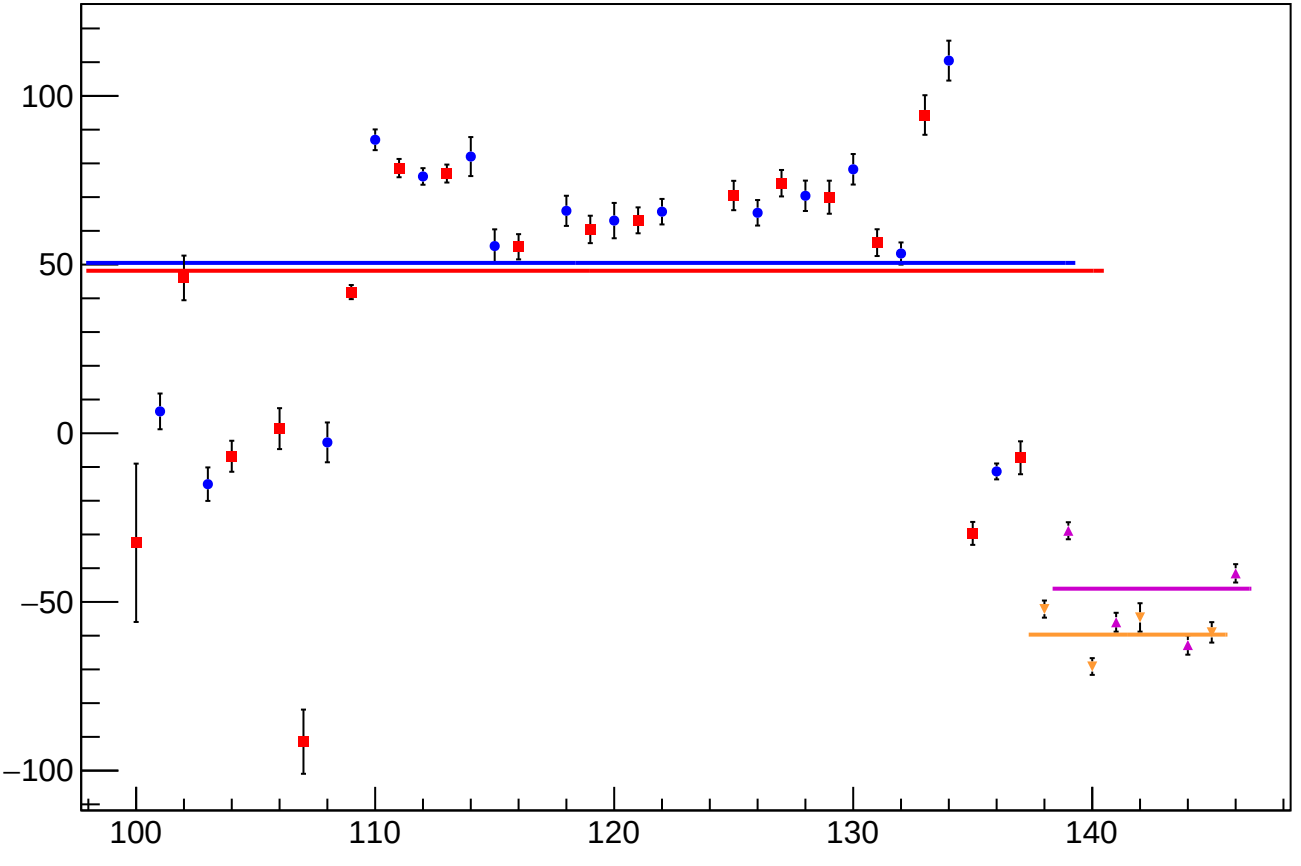
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -3.980+/-0.032 χ^2/NDF:272121.5/19

Out: -3.392+/-0.034 χ^2/NDF:340998.7/21

All: -3.709+/-0.023 χ^2/NDF: 613279.9/41

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: -59.688+/-1.439 χ^2/NDF:24.9/3

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -46.073+/-1.359 χ^2/NDF:95.8/3

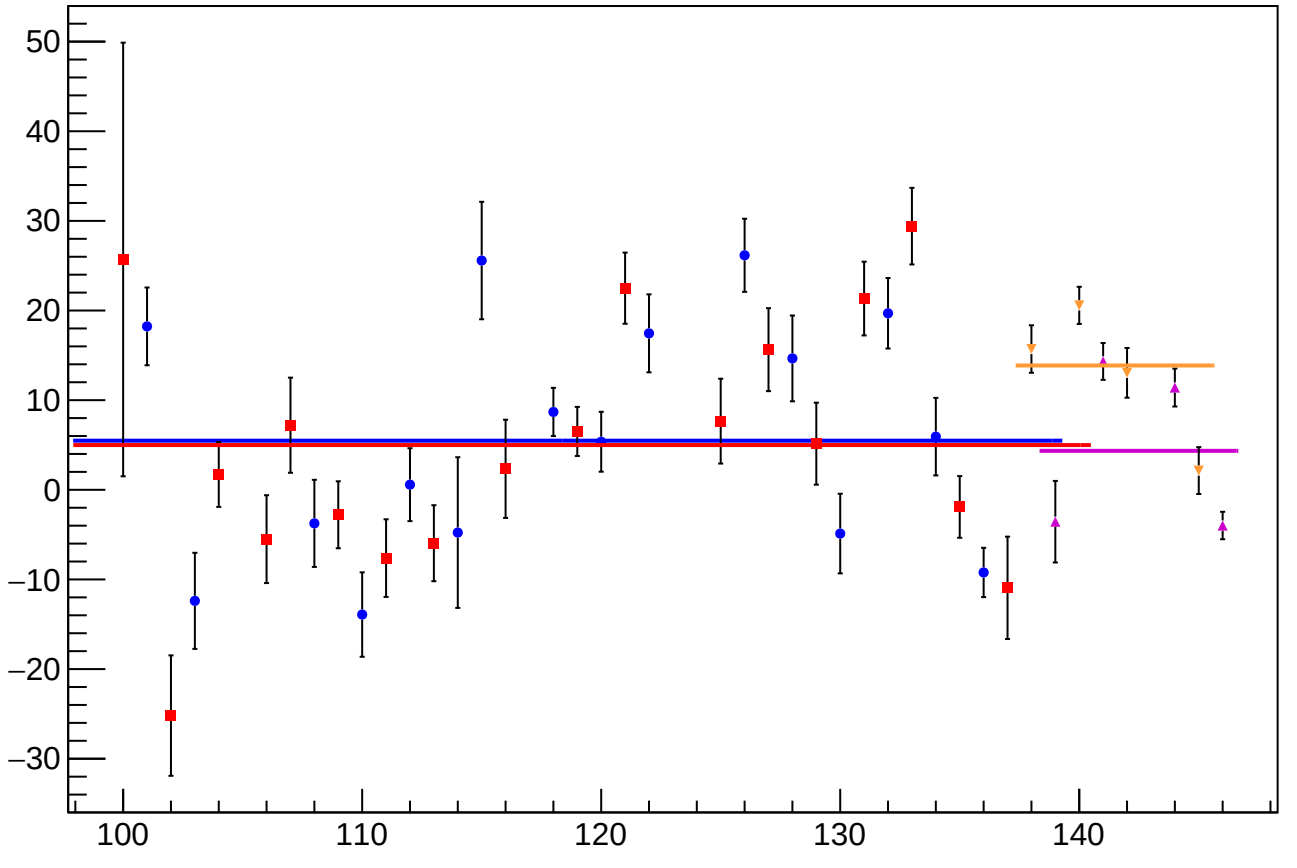
Left: -52.491+/-0.988 χ^2/NDF: 168.0/7

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 18.102+/-0.787 χ^2/NDF:4957.3/19

Out: 17.144+/-0.772 χ^2/NDF:5547.9/21

All: 17.614+/-0.551 χ^2/NDF: 10506.0/41



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 13.870+/-1.239 χ^2/NDF:31.2/3

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 4.348+/-1.034 χ^2/NDF:67.4/3

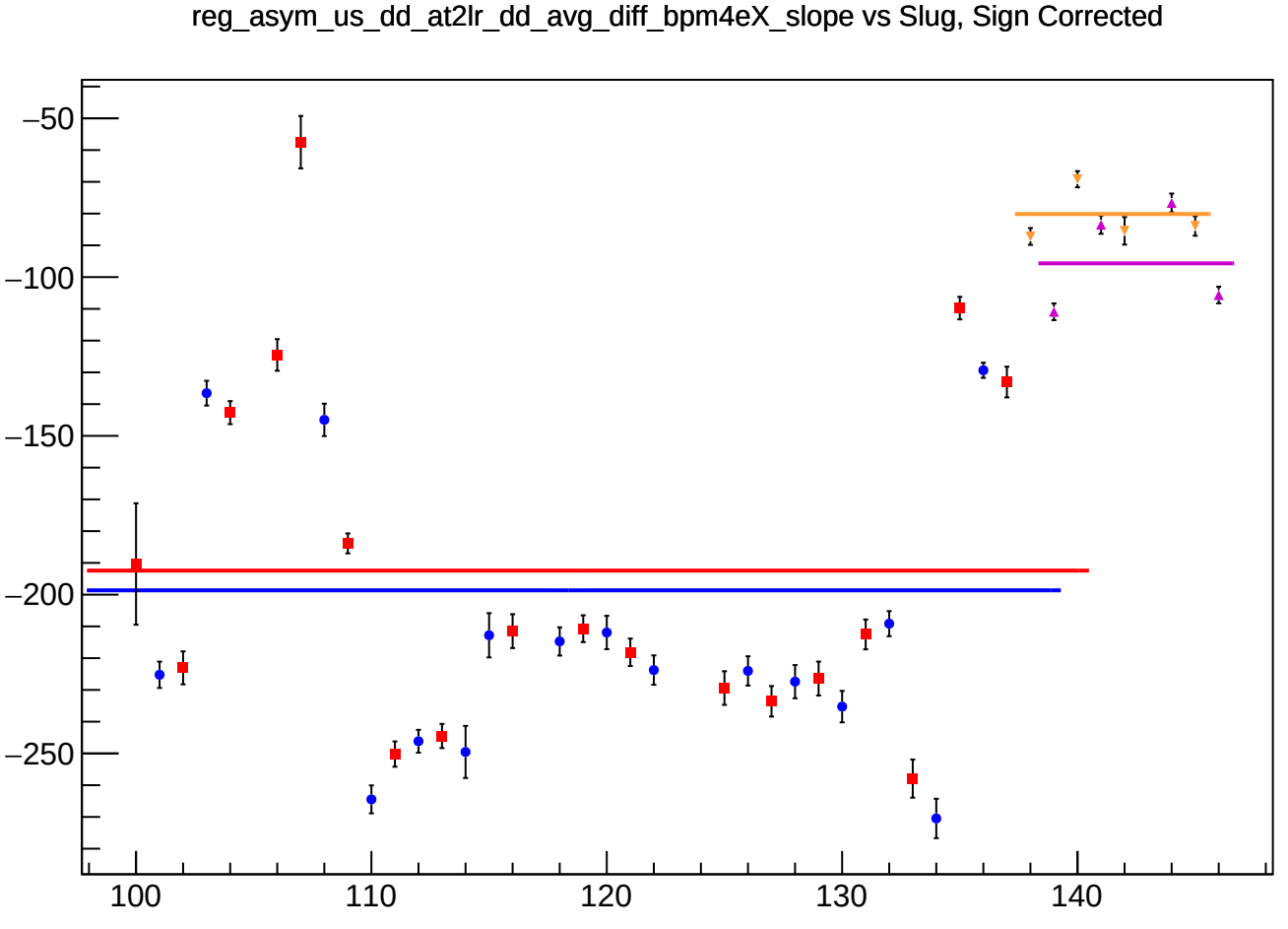
Left: 8.258+/-0.794 χ^2/NDF: 133.3/7

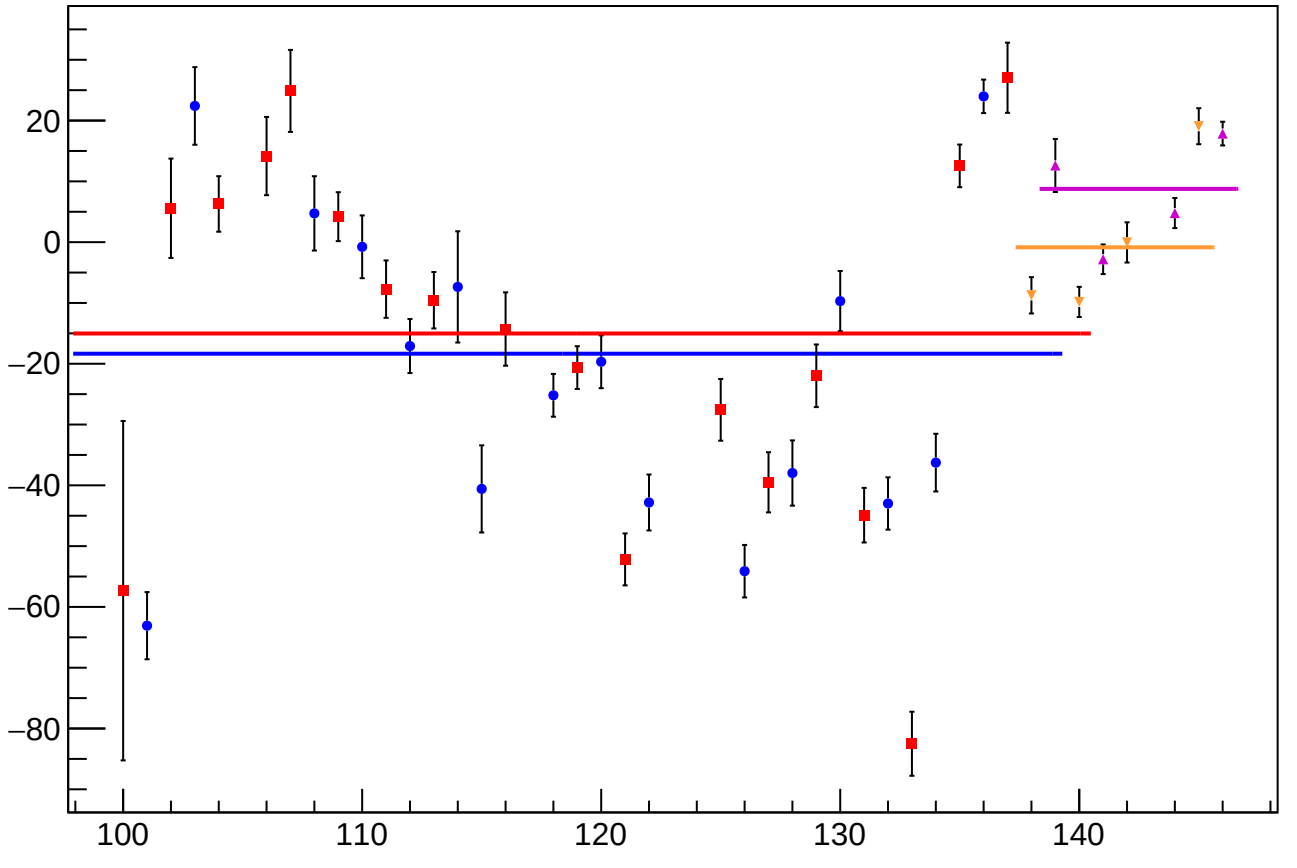
Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 4.921+/-0.727 χ^2/NDF:206.1/19

Out: 8.590+/-0.789 χ^2/NDF:193.5/21

All: 6.606+/-0.534 χ^2/NDF: 411.4/41


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
Right In: -198.641+/-1.083 χ²/NDF: 2002.3/15
Left Out: -80.133+/-1.484 χ²/NDF:28.5/3
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: -95.670+/-1.376 χ²/NDF:107.9/3
Left: -88.485+/-1.009 χ²/NDF: 195.4/7
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -159.240+/-0.851 χ²/NDF:5566.8/19
Out: -153.544+/-0.873 χ²/NDF:5912.8/21
All: -156.464+/-0.609 χ²/NDF: 11501.4/41



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: -0.846+/-1.443 χ^2/NDF:65.4/3

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 8.761+/-1.243 χ^2/NDF:47.7/3

Left: 4.668+/-0.942 χ^2/NDF: 138.5/7

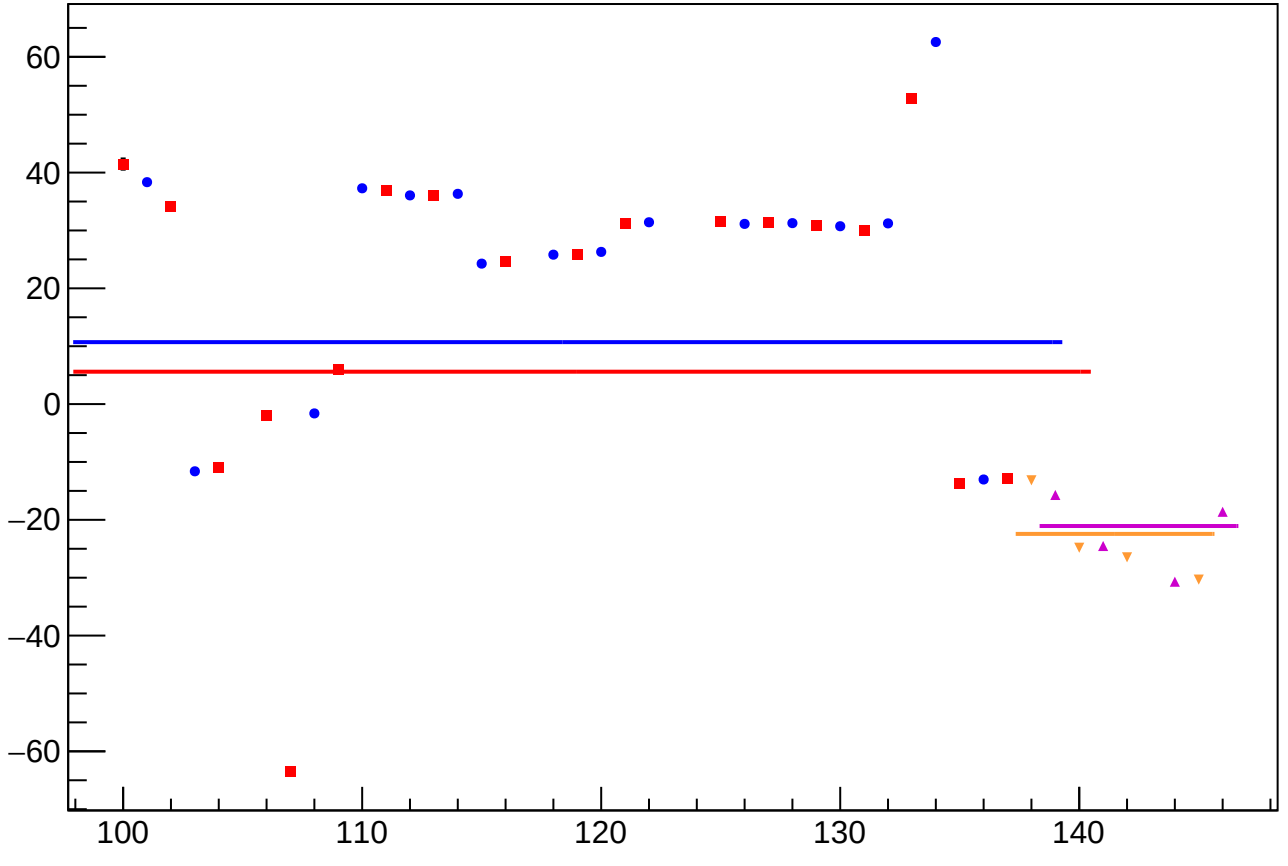
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -5.741+/-0.848 χ^2/NDF:845.8/19

Out: -9.449+/-0.905 χ^2/NDF:670.4/21

All: -7.474+/-0.619 χ^2/NDF: 1525.1/41

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: -22.432+/-0.061 χ^2/NDF:13048.3/3

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -21.068+/-0.056 χ^2/NDF:9943.1/3

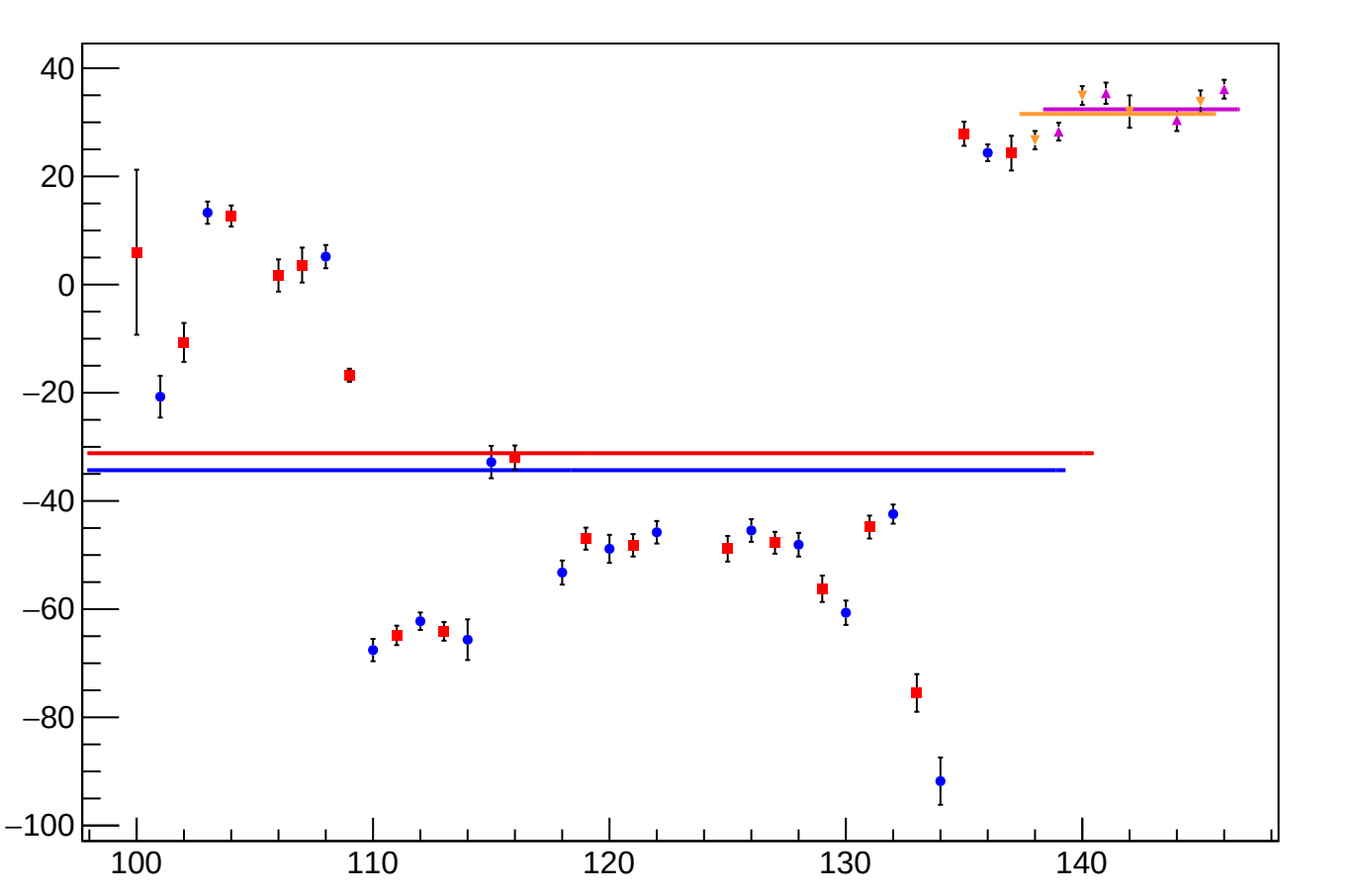
Left: -21.688+/-0.041 χ^2/NDF: 23264.6/7

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -7.135+/-0.042 χ^2/NDF:318048.4/19

Out: -9.020+/-0.044 χ^2/NDF:269233.0/21

All: -8.026+/-0.030 χ^2/NDF: 588249.5/41



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 31.542+/-0.989 χ^2/NDF:13.2/3

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.398+/-0.912 χ^2/NDF:14.1/3

Left: 32.005+/-0.670 χ^2/NDF: 27.7/7

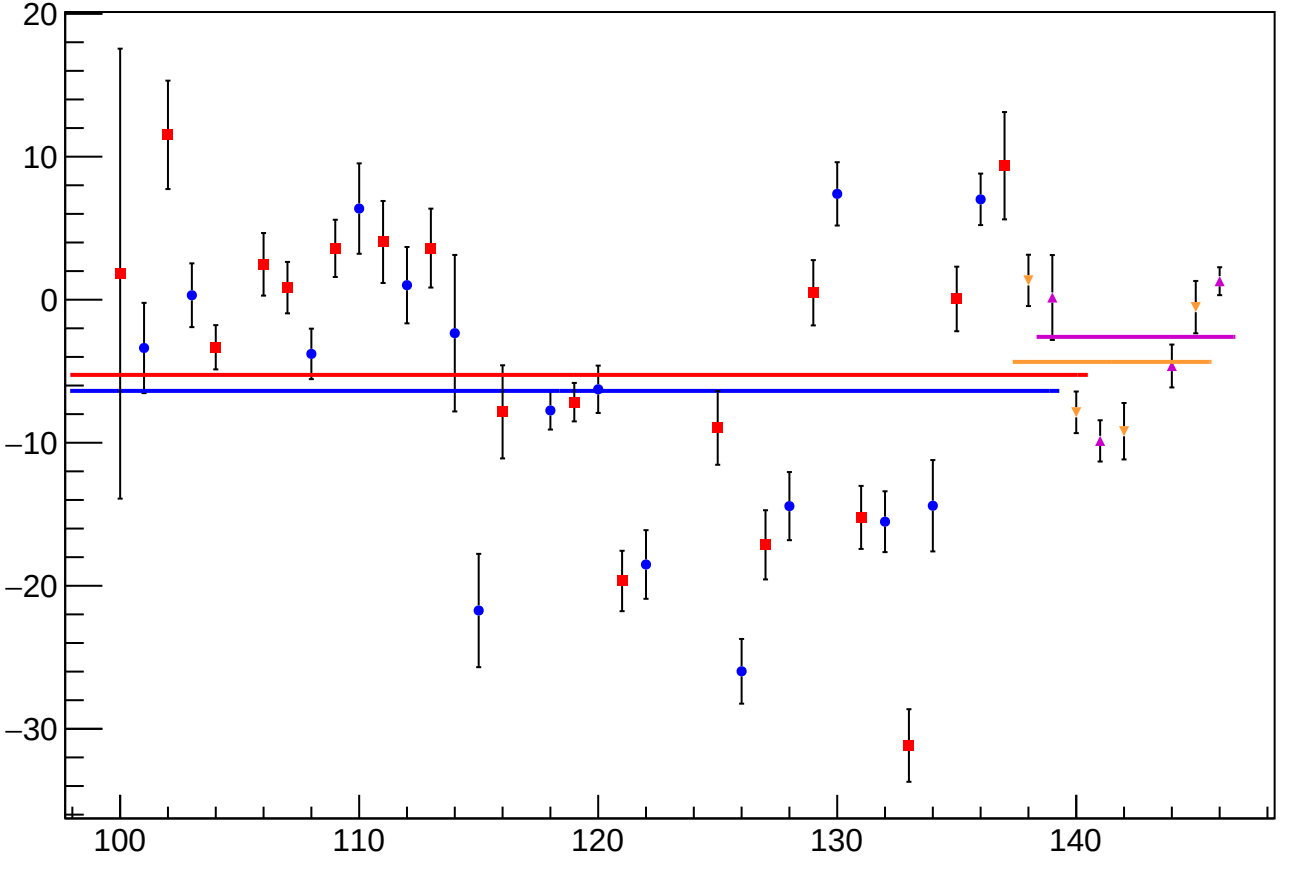
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -16.625+/-0.470 χ^2/NDF:7447.6/19

Out: -17.767+/-0.457 χ^2/NDF:6375.1/21

All: -17.211+/-0.328 χ^2/NDF: 13825.7/41

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: -4.347+/-0.864 χ^2/NDF:26.4/3

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -2.599+/-0.692 χ^2/NDF:44.0/3

Left: -3.282+/-0.540 χ^2/NDF: 72.9/7

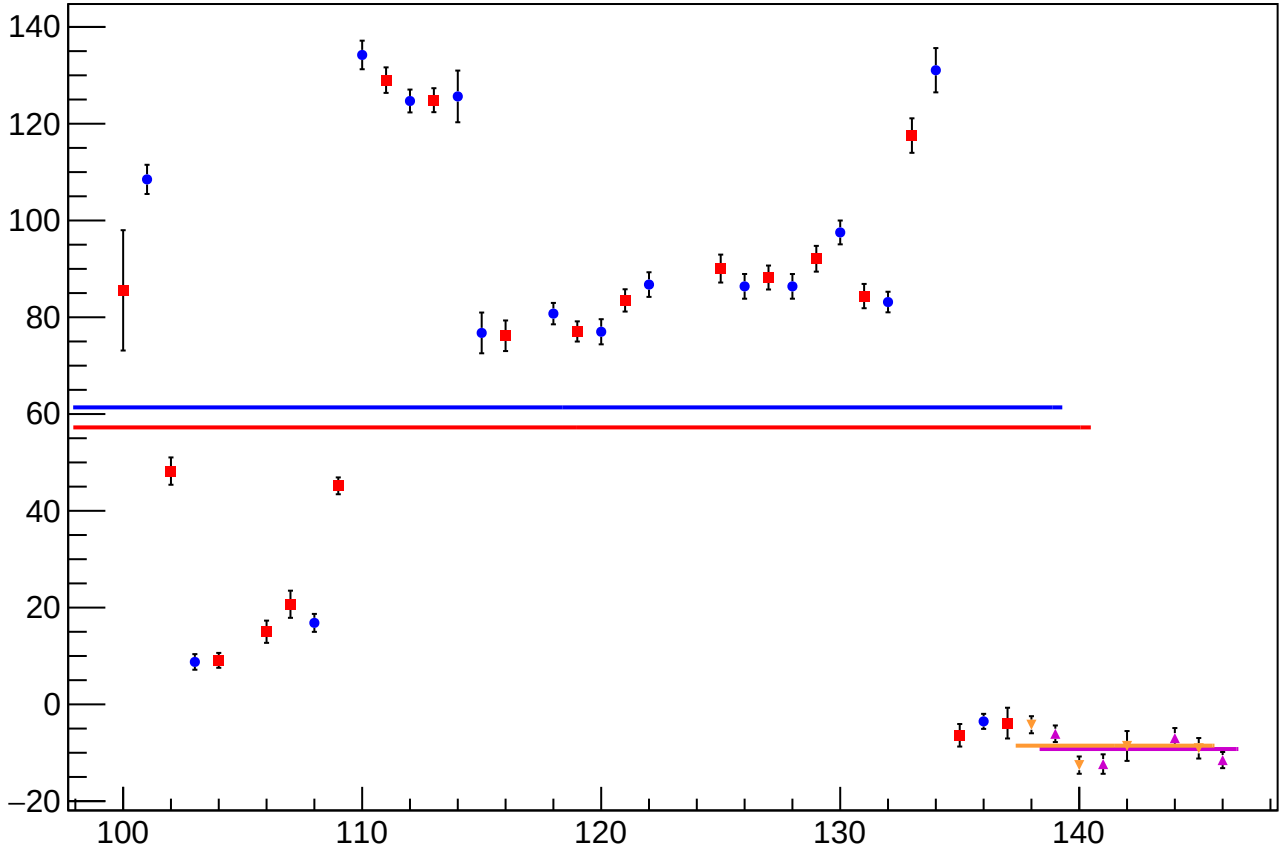
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -4.901+/-0.432 χ^2/NDF:345.8/19

Out: -5.006+/-0.453 χ^2/NDF:340.1/21

All: -4.951+/-0.313 χ^2/NDF: 685.9/41

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: -8.533+/-1.019 χ^2/NDF:11.1/3

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.227+/-0.922 χ^2/NDF:8.8/3

Left: -8.915+/-0.684 χ^2/NDF: 20.2/7

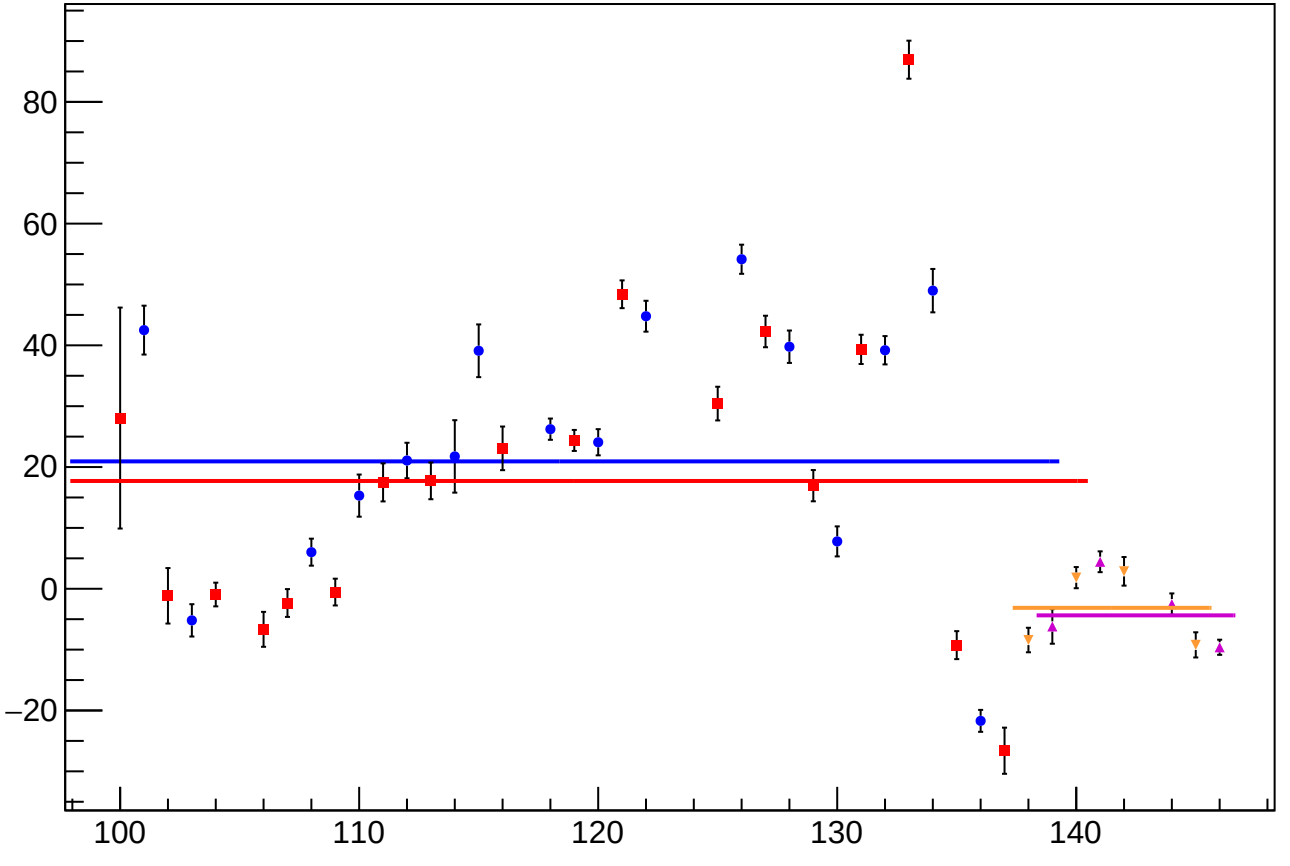
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 40.654+/-0.500 χ^2/NDF:10218.1/19

Out: 41.147+/-0.504 χ^2/NDF:8423.1/21

All: 40.898+/-0.355 χ^2/NDF: 18641.7/41

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: -3.134+/-1.004 χ^2/NDF:30.2/3

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -4.369+/-0.834 χ^2/NDF:45.8/3

Left: -3.865+/-0.642 χ^2/NDF: 76.9/7

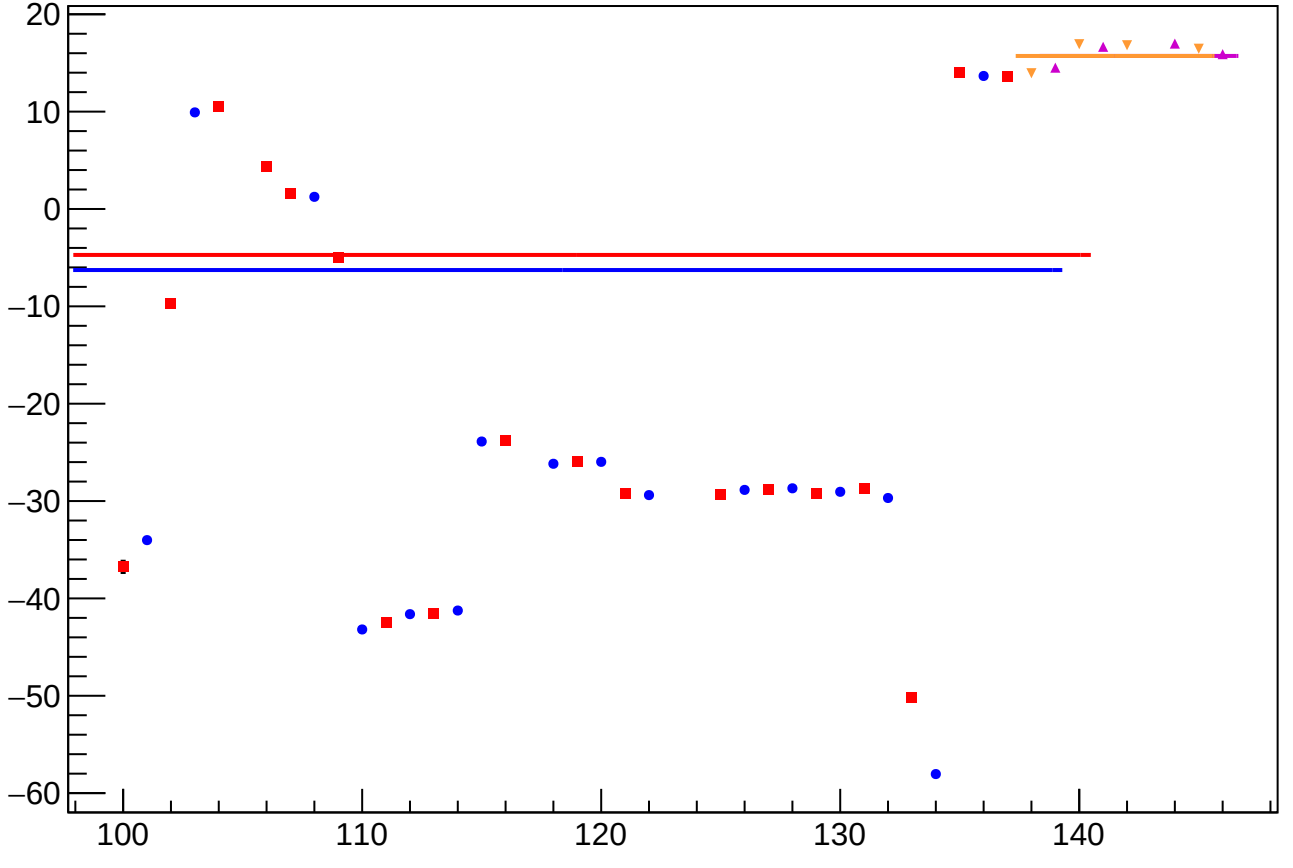
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 11.557+/-0.508 χ^2/NDF:1870.0/19

Out: 11.984+/-0.526 χ^2/NDF:1824.6/21

All: 11.763+/-0.366 χ^2/NDF: 3694.9/41

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: 15.717+/-0.042 χ^2/NDF:1043.5/3

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.720+/-0.037 χ^2/NDF:709.8/3

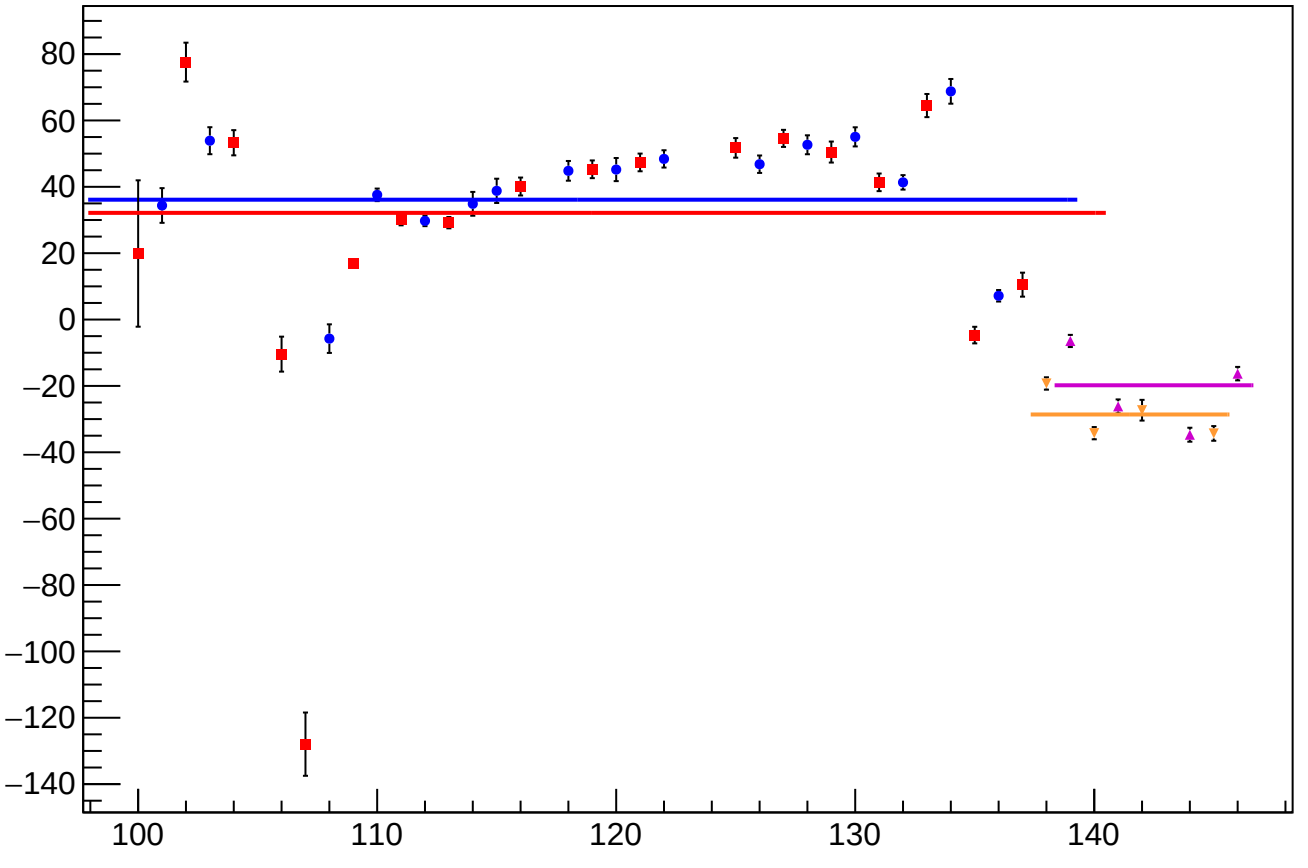
Left: 15.719+/-0.028 χ^2/NDF: 1753.3/7

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 3.573+/-0.025 χ^2/NDF:605038.5/19

Out: 3.350+/-0.026 χ^2/NDF:453032.4/21

All: 3.468+/-0.018 χ^2/NDF: 1058108.9/41



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -28.607+/-1.063 χ^2/NDF:41.1/3

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -19.807+/-1.003 χ^2/NDF:115.3/3

Left: -23.954+/-0.730 χ^2/NDF: 192.7/7

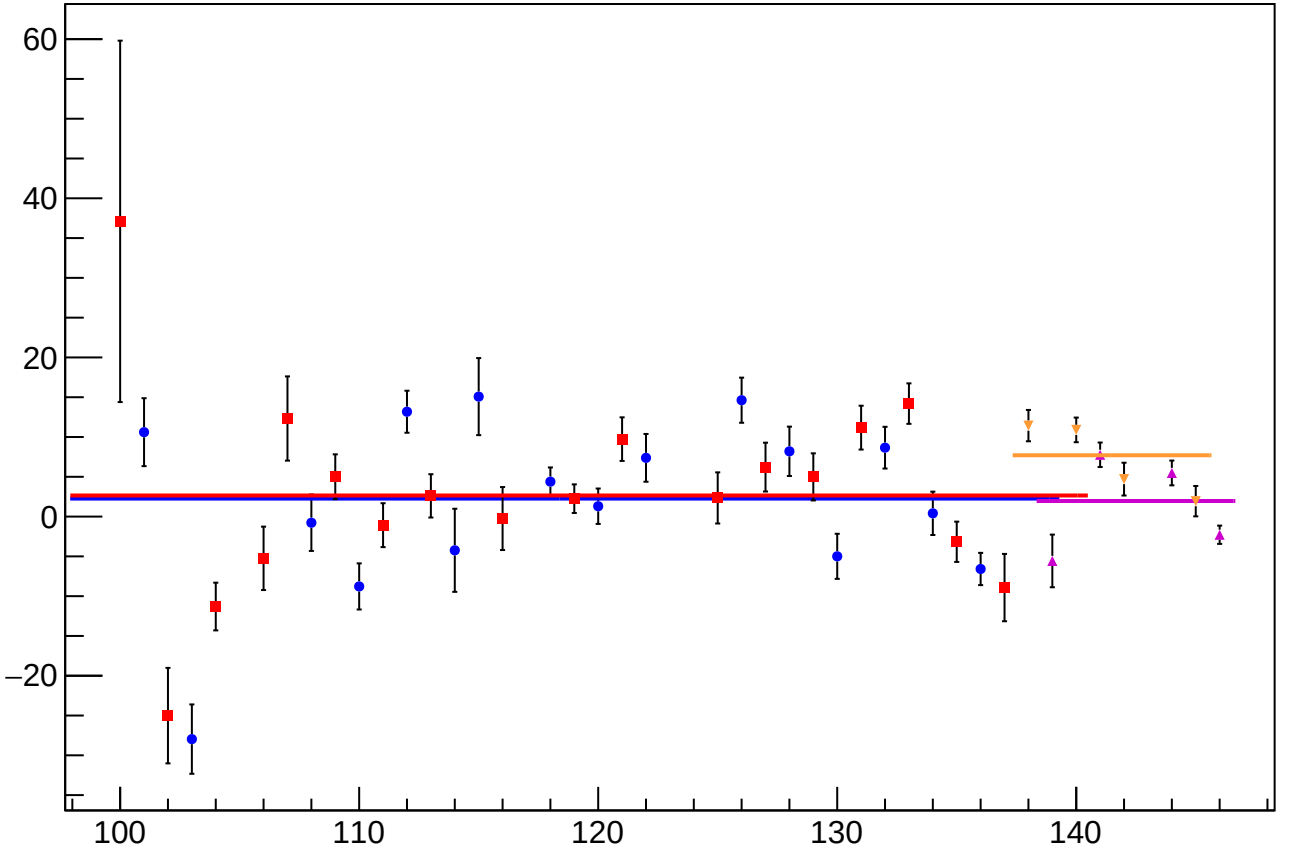
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 19.355+/-0.549 χ^2/NDF:2913.7/19

Out: 16.329+/-0.542 χ^2/NDF:3572.8/21

All: 17.823+/-0.386 χ^2/NDF: 6501.9/41

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: 7.707+/-0.918 χ^2/NDF:19.1/3

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 1.960+/-0.770 χ^2/NDF:38.2/3

Left: 4.334+/-0.590 χ^2/NDF: 80.3/7

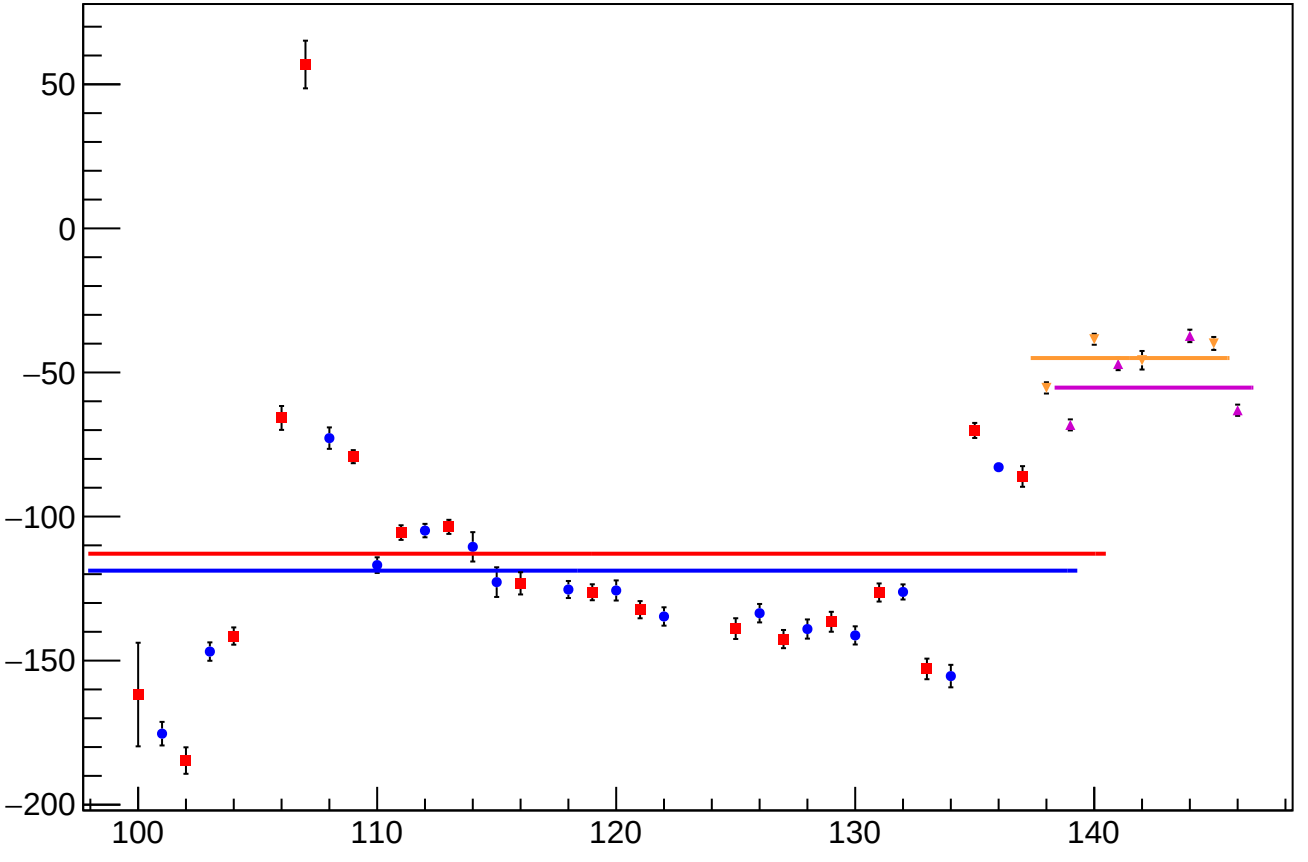
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 2.127+/-0.519 χ^2/NDF:190.3/19

Out: 4.560+/-0.564 χ^2/NDF:145.2/21

All: 3.241+/-0.382 χ^2/NDF: 345.5/41

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -44.996+/-1.096 χ^2/NDF:45.1/3

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -55.261+/-1.017 χ^2/NDF:145.3/3

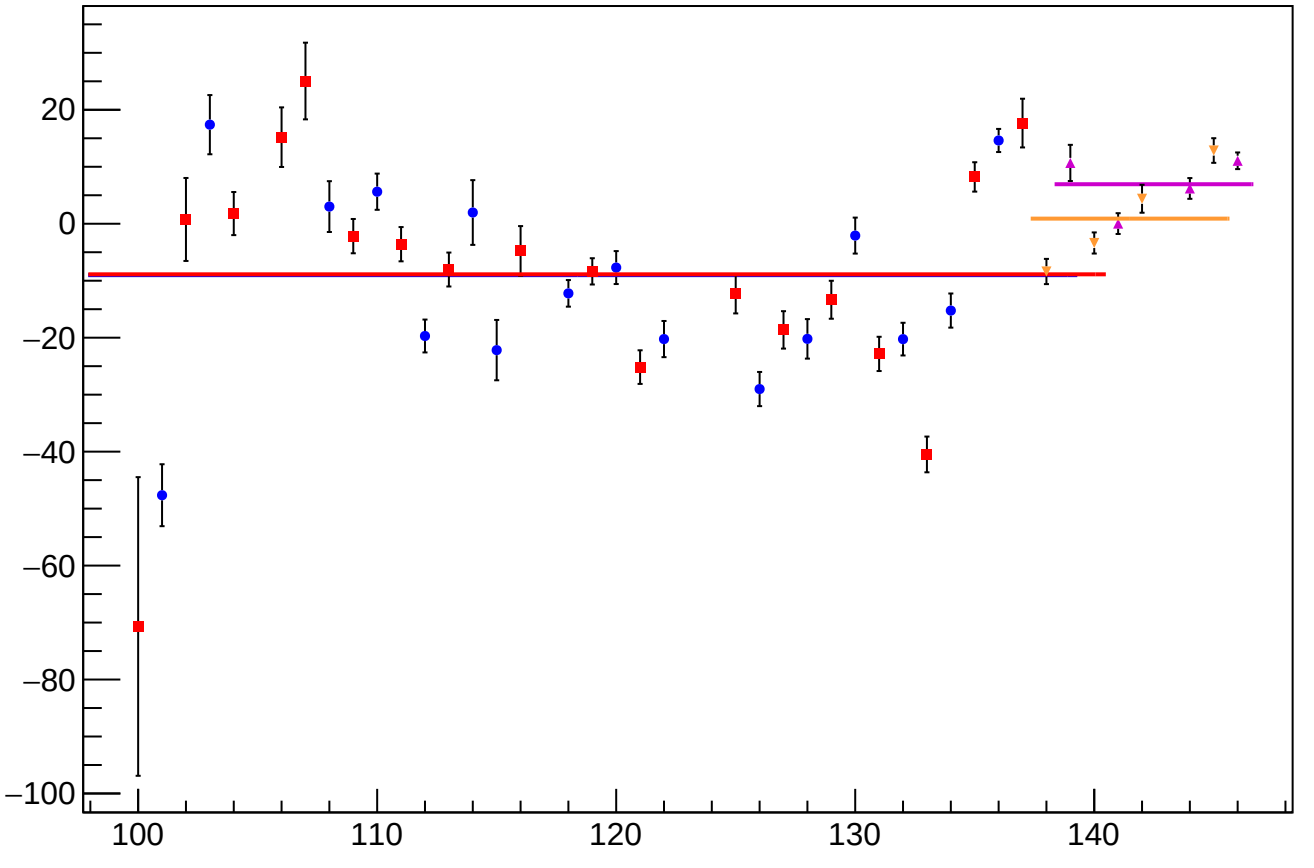
Left: -50.513+/-0.745 χ^2/NDF: 237.5/7

Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

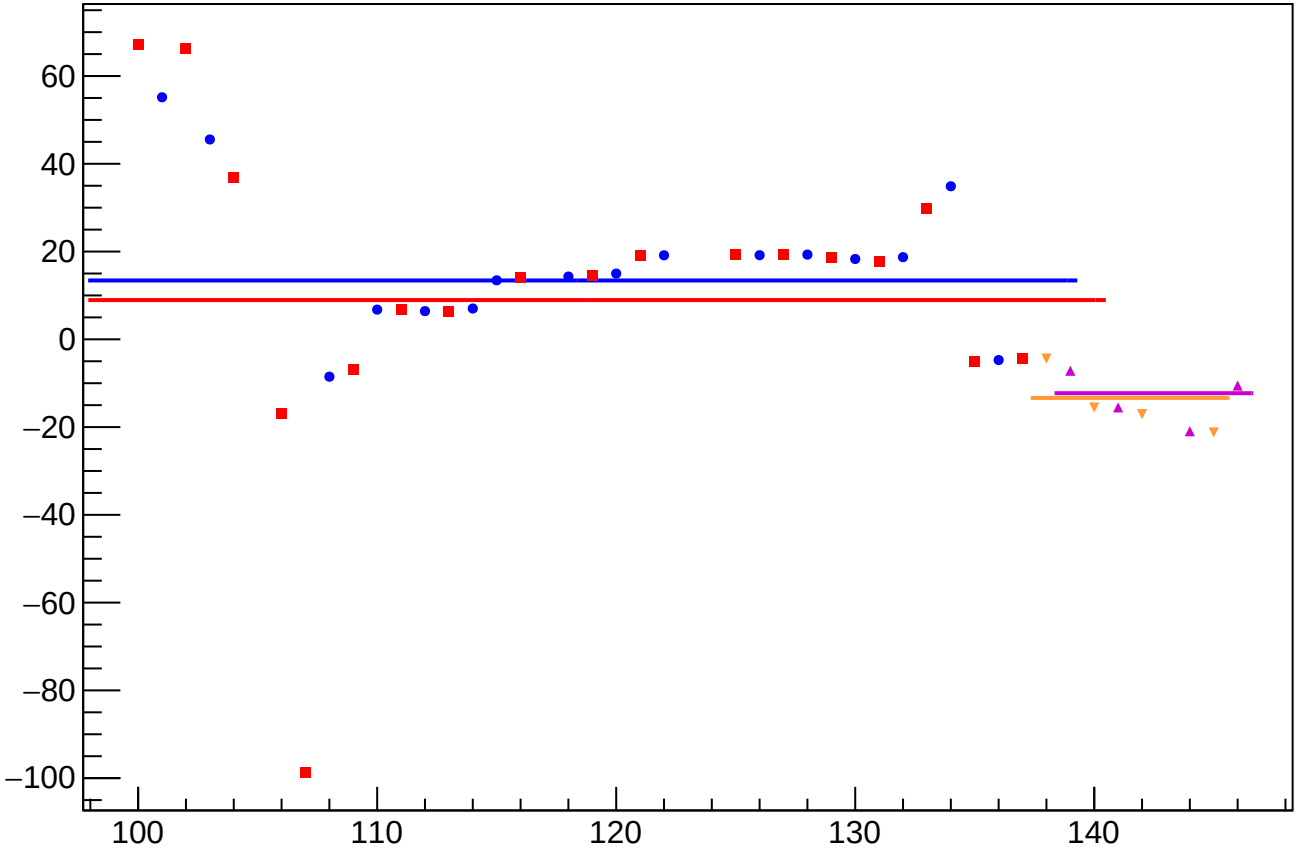
In: -96.137+/-0.607 χ^2/NDF:3775.4/19

Out: -90.815+/-0.625 χ^2/NDF:4497.6/21

All: -93.554+/-0.436 χ^2/NDF: 8310.3/41


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
Right In: -9.022+/-0.796 χ²/NDF: 358.0/15
Left Out: 0.898+/-1.069 χ²/NDF:55.5/3
Right Out: -8.878+/-0.810 χ²/NDF: 318.7/17
Left In: 6.937+/-0.925 χ²/NDF:23.8/3
Left: 4.352+/-0.699 χ²/NDF: 97.6/7
Right: -8.951+/-0.568 χ²/NDF: 676.8/33
In: -2.233+/-0.603 χ²/NDF:553.0/19
Out: -5.309+/-0.646 χ²/NDF:427.3/21
All: -3.666+/-0.441 χ²/NDF: 992.4/41

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: -13.351+/-0.045 χ^2/NDF:22924.6/3

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -12.275+/-0.041 χ^2/NDF:15425.7/3

Left: -12.764+/-0.030 χ^2/NDF: 38663.3/7

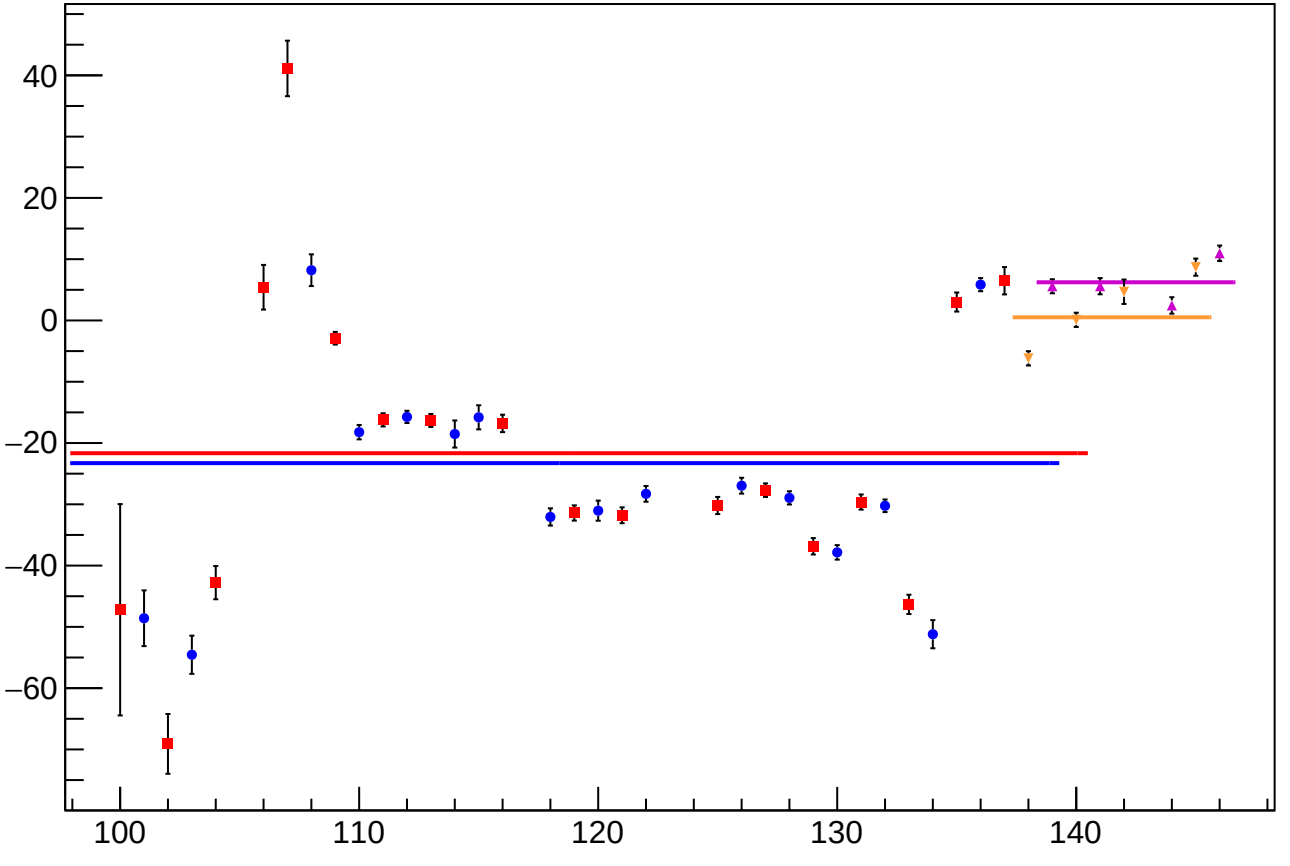
Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -0.696+/-0.030 χ^2/NDF:375873.4/19

Out: -2.799+/-0.033 χ^2/NDF:430564.9/21

All: -1.674+/-0.022 χ^2/NDF: 808661.9/41

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 0.518+/-0.669 χ^2/NDF:71.6/3

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 6.231+/-0.631 χ^2/NDF:22.5/3

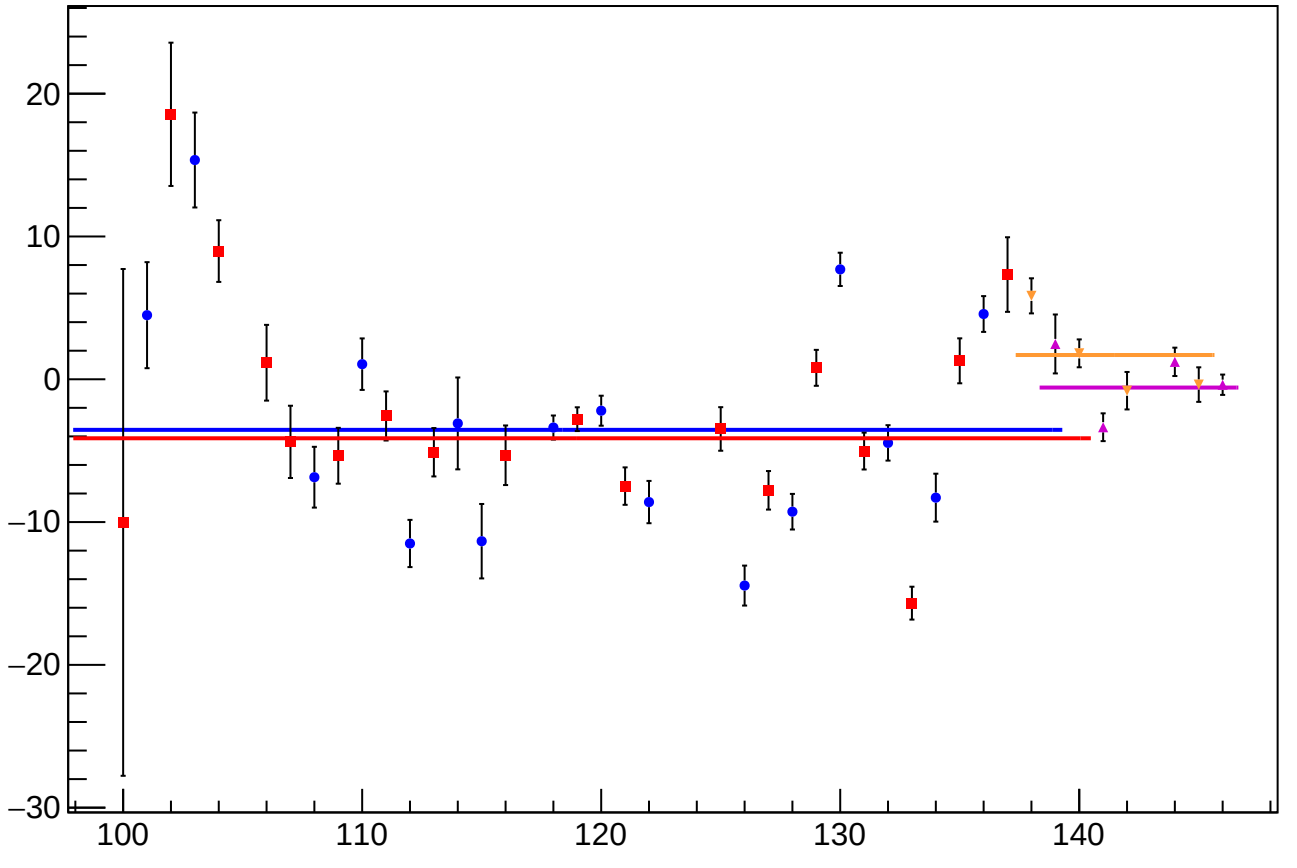
Left: 3.545+/-0.459 χ^2/NDF: 132.6/7

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -16.317+/-0.306 χ^2/NDF:3264.3/19

Out: -16.955+/-0.308 χ^2/NDF:2750.0/21

All: -16.634+/-0.217 χ^2/NDF: 6016.5/41



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 1.699+/-0.580 χ^2/NDF:17.9/3

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.580+/-0.483 χ^2/NDF:13.7/3

Left: 0.355+/-0.371 χ^2/NDF: 40.8/7

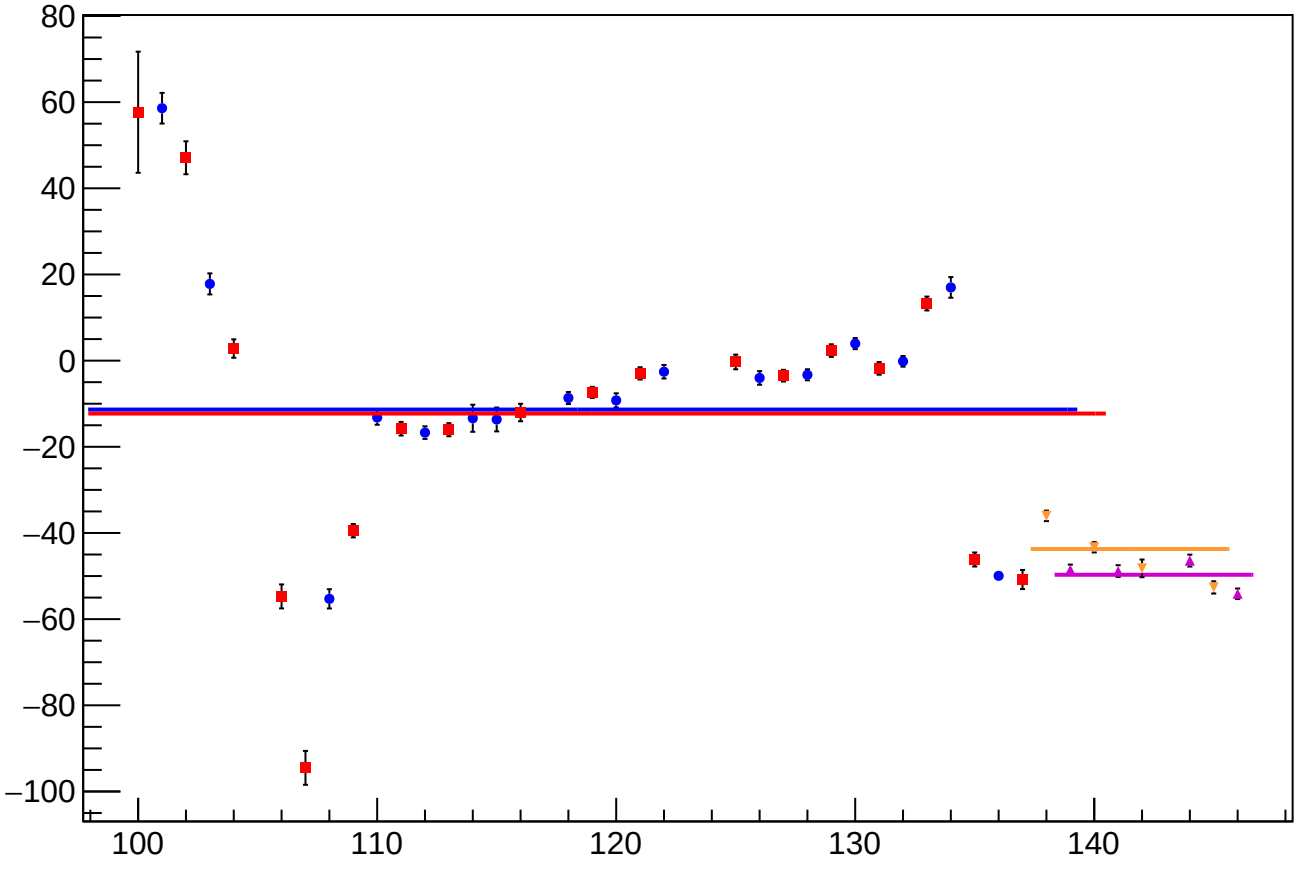
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -2.475+/-0.290 χ^2/NDF:354.5/19

Out: -2.440+/-0.312 χ^2/NDF:317.2/21

All: -2.459+/-0.213 χ^2/NDF: 671.7/41

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: -43.722+/-0.690 χ^2/NDF:83.9/3

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -49.698+/-0.639 χ^2/NDF:20.2/3

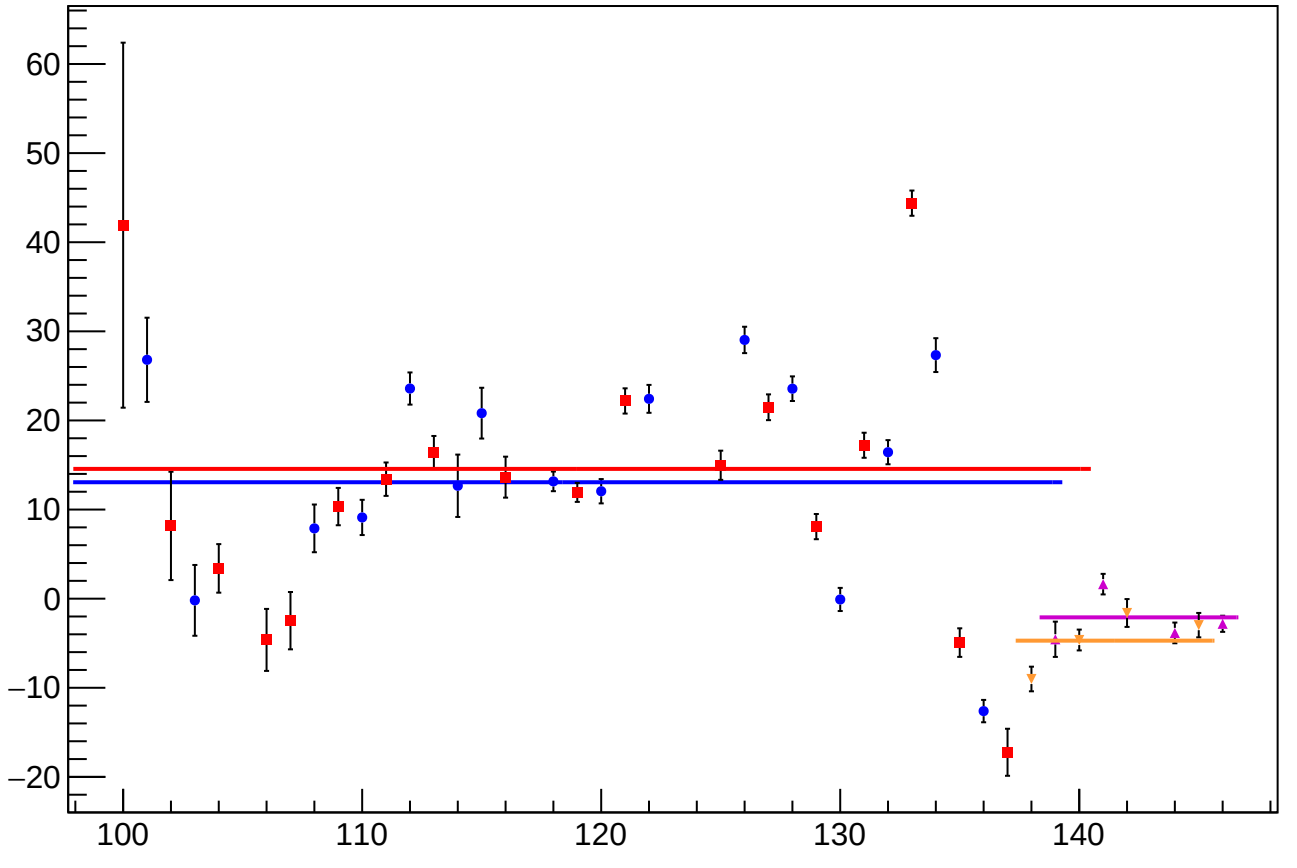
Left: -46.941+/-0.469 χ^2/NDF: 144.5/7

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -22.376+/-0.342 χ^2/NDF:5249.5/19

Out: -20.573+/-0.355 χ^2/NDF:4201.6/21

All: -21.505+/-0.246 χ^2/NDF: 9464.5/41



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -4.711+/-0.674 χ^2/NDF:15.2/3

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.097+/-0.581 χ^2/NDF:14.9/3

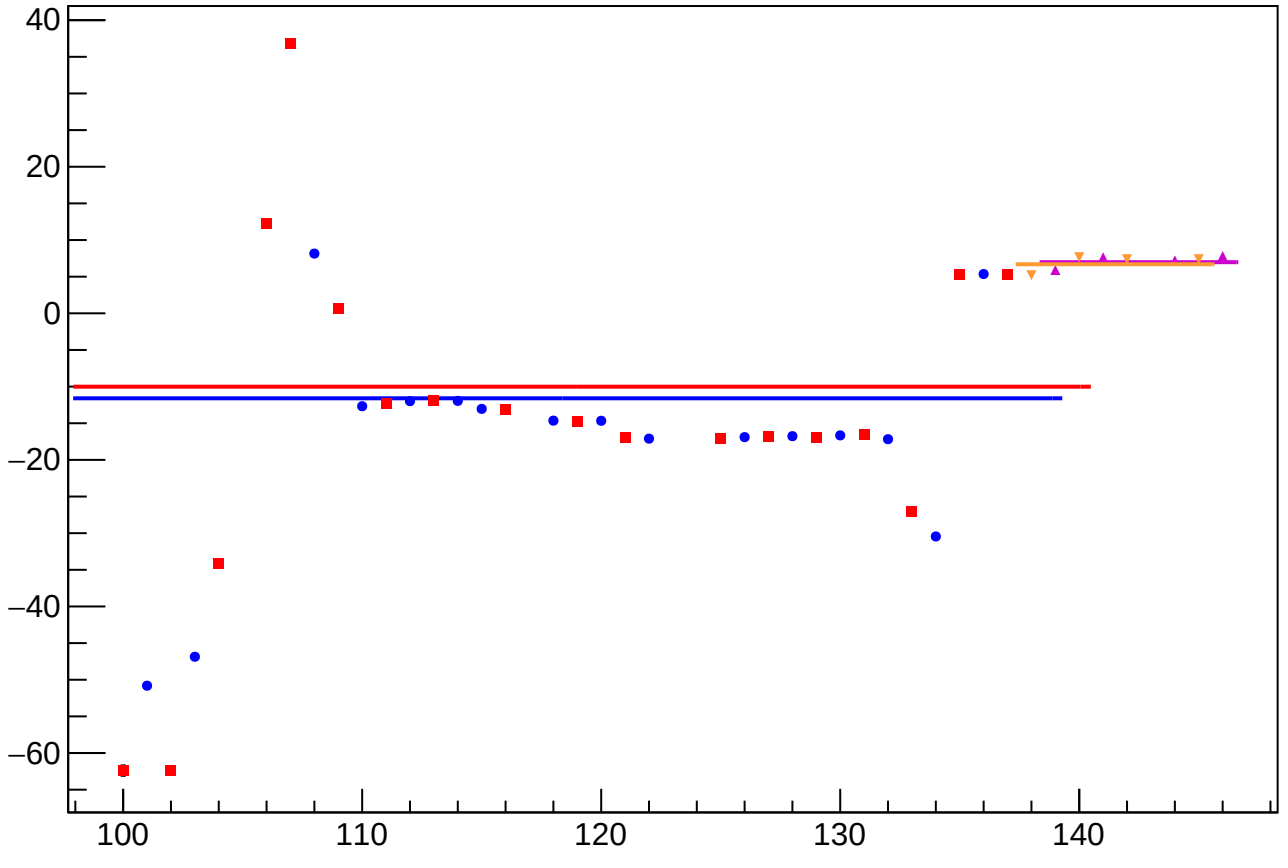
Left: -3.210+/-0.440 χ^2/NDF: 38.7/7

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 7.945+/-0.337 χ^2/NDF:1329.8/19

Out: 9.132+/-0.358 χ^2/NDF:1504.8/21

All: 8.503+/-0.246 χ^2/NDF: 2840.4/41



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 6.693+/-0.028 χ^2/NDF:1524.5/3

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 6.977+/-0.026 χ^2/NDF:1037.4/3

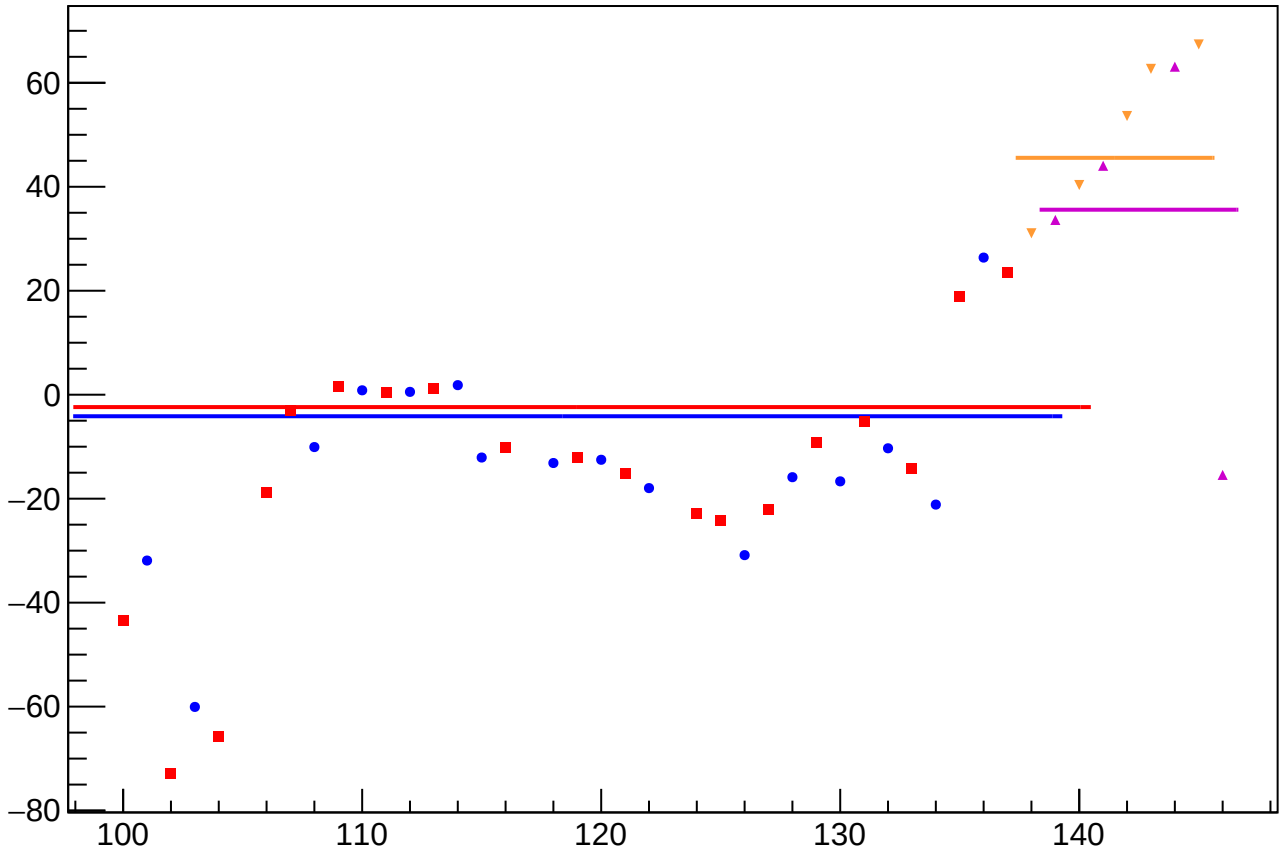
Left: 6.848+/-0.019 χ^2/NDF: 2617.1/7

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: -2.107+/-0.018 χ^2/NDF:616153.4/19

Out: -1.915+/-0.020 χ^2/NDF:577382.6/21

All: -2.017+/-0.013 χ^2/NDF: 1193586.9/41



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 45.568+/-0.116 χ^2/NDF:13958.1/4

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 35.587+/-0.121 χ^2/NDF:36502.8/3

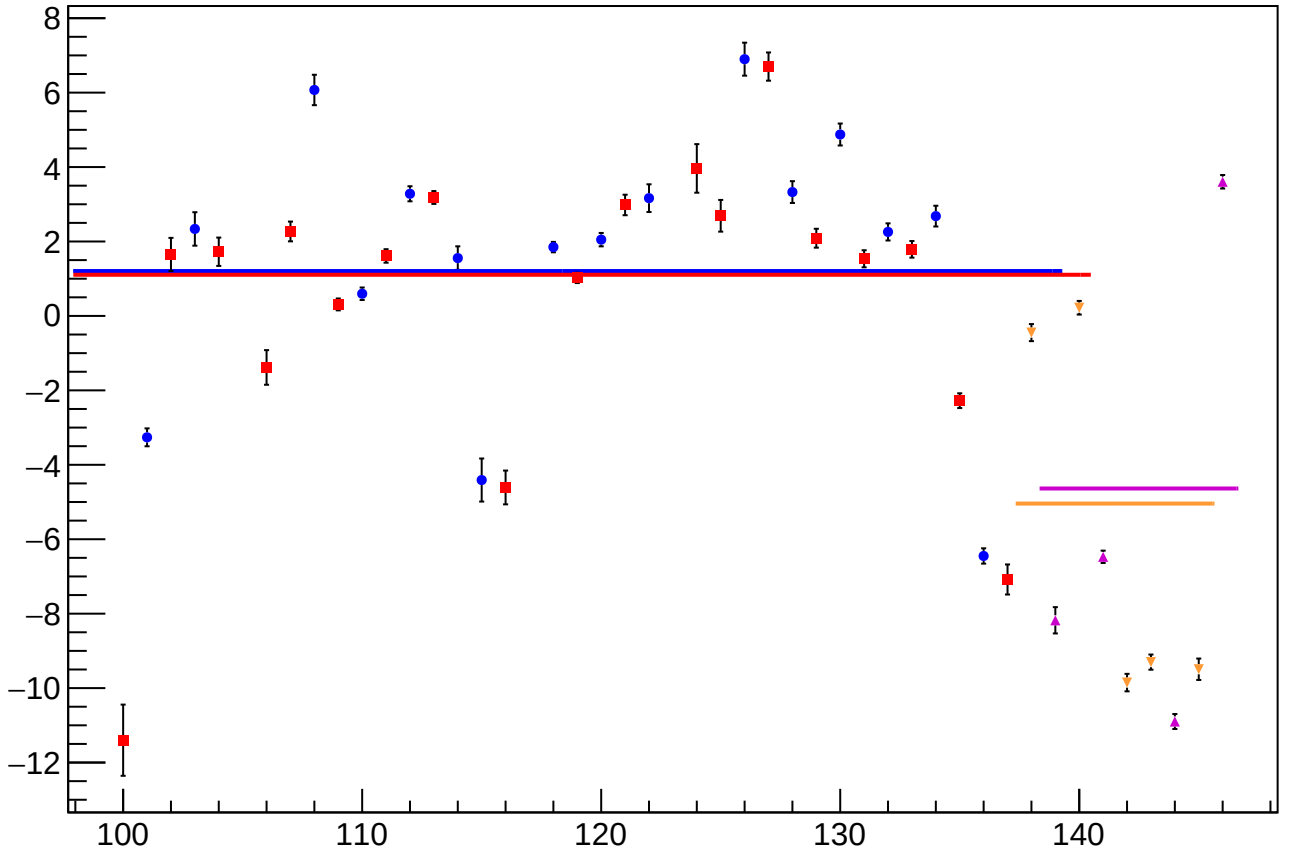
Left: 40.767+/-0.084 χ^2/NDF: 54005.7/8

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 2.615+/-0.050 χ^2/NDF:201594.8/19

Out: 4.141+/-0.043 χ^2/NDF:241666.7/23

All: 3.492+/-0.032 χ^2/NDF: 443801.2/43



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -5.042+/-0.098 χ^2/NDF:2321.6/4

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -4.637+/-0.100 χ^2/NDF:3251.8/3

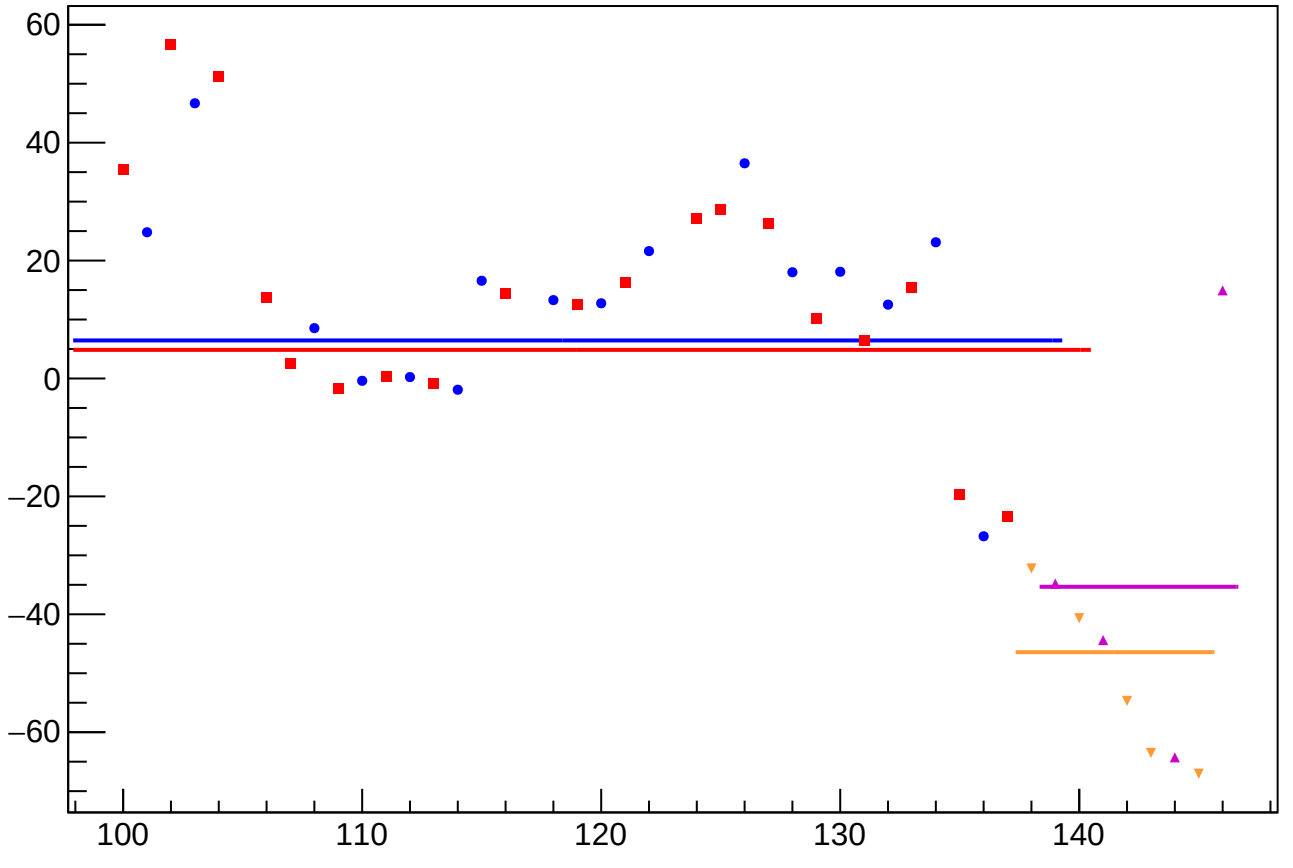
Left: -4.843+/-0.070 χ^2/NDF: 5581.6/8

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: -0.351+/-0.052 χ^2/NDF:8326.6/19

Out: -0.446+/-0.049 χ^2/NDF:6822.2/23

All: -0.400+/-0.036 χ^2/NDF: 15150.5/43



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -46.427+/-0.120 χ^2/NDF:12578.4/4

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -35.335+/-0.123 χ^2/NDF:38524.7/3

Left: -41.026+/-0.086 χ^2/NDF: 55249.9/8

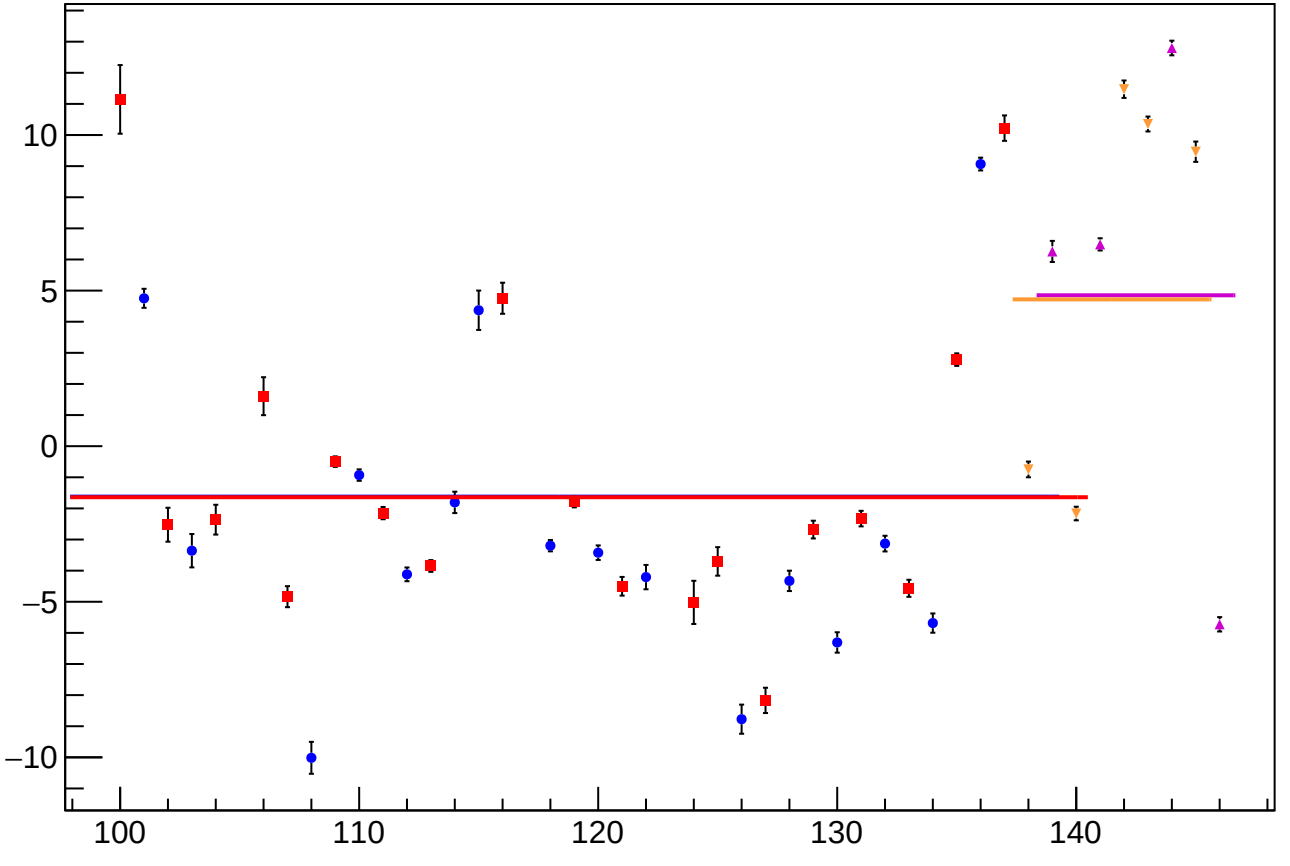
Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -2.671+/-0.058 χ^2/NDF:198848.3/19

Out: -5.146+/-0.053 χ^2/NDF:234393.2/23

All: -4.011+/-0.039 χ^2/NDF: 434239.3/43

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 4.718+/-0.115 χ^2/NDF:2800.4/4

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 4.850+/-0.118 χ^2/NDF:3319.4/3

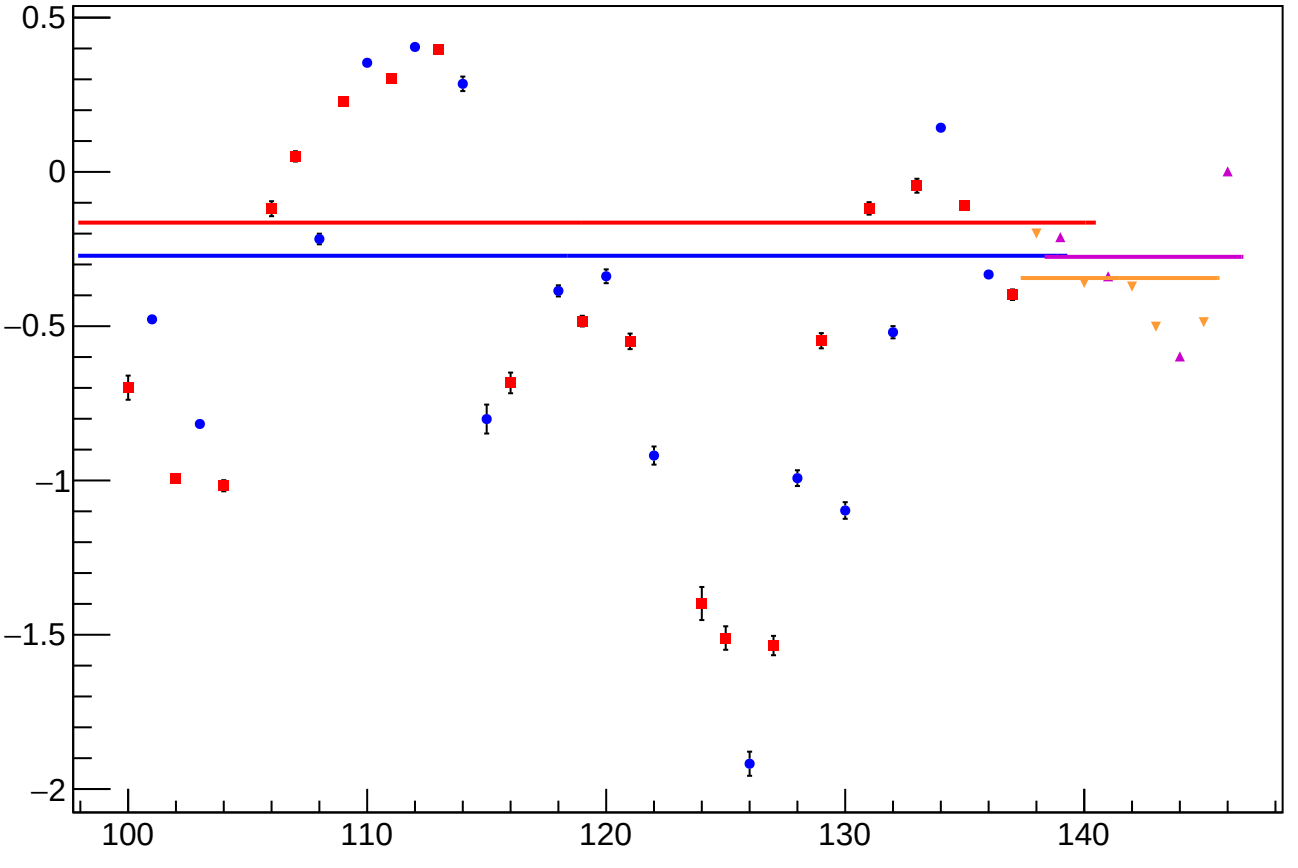
Left: 4.782+/-0.082 χ^2/NDF: 6120.4/8

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: 0.040+/-0.060 χ^2/NDF:10065.7/19

Out: -0.110+/-0.056 χ^2/NDF:7596.5/23

All: -0.040+/-0.041 χ^2/NDF: 17665.5/43



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.344+/-0.005 χ^2/NDF:601.2/4

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.275+/-0.005 χ^2/NDF:1212.6/3

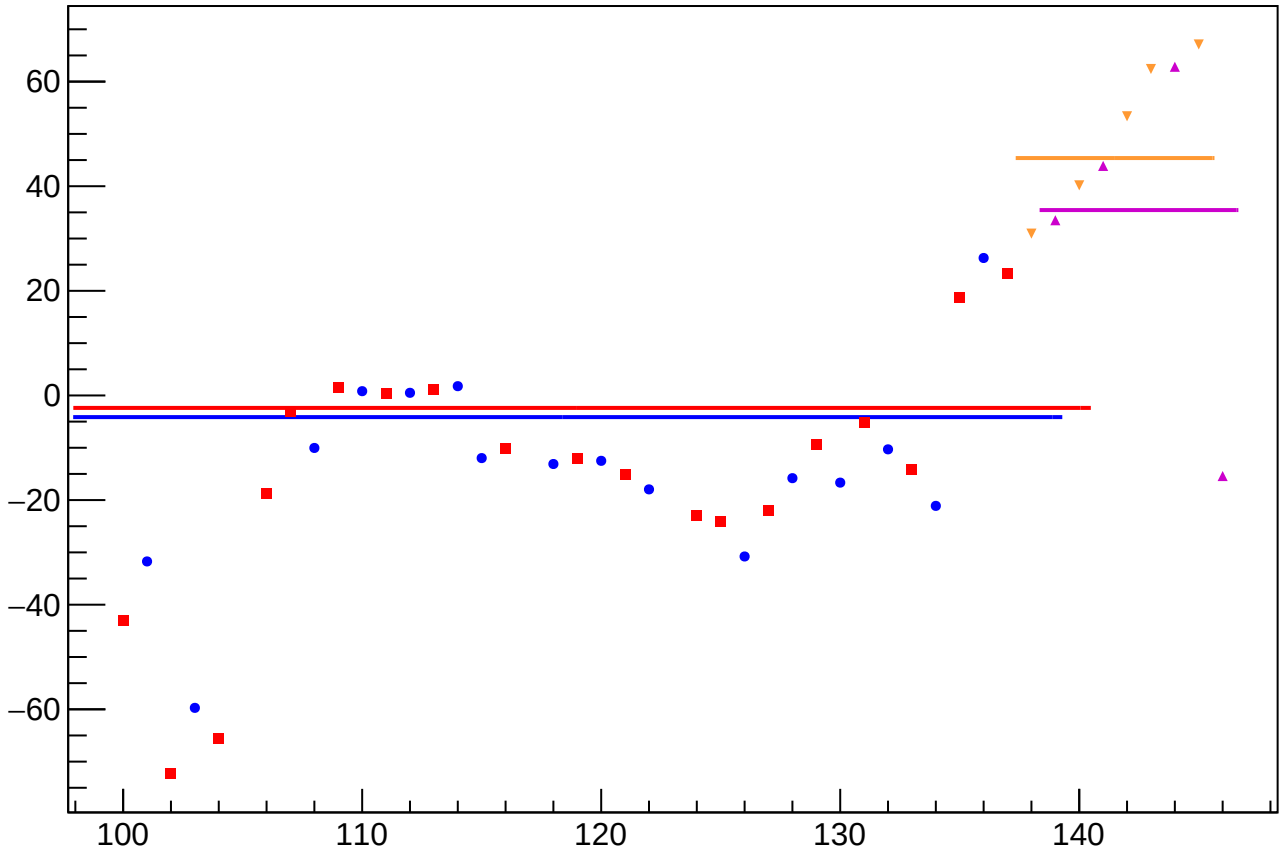
Left: -0.310+/-0.003 χ^2/NDF: 1913.2/8

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.273+/-0.003 χ^2/NDF:13261.1/19

Out: -0.232+/-0.003 χ^2/NDF:16943.1/23

All: -0.252+/-0.002 χ^2/NDF: 30292.9/43



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 45.384+/-0.116 χ^2/NDF:13915.6/4

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 35.441+/-0.120 χ^2/NDF:36497.4/3

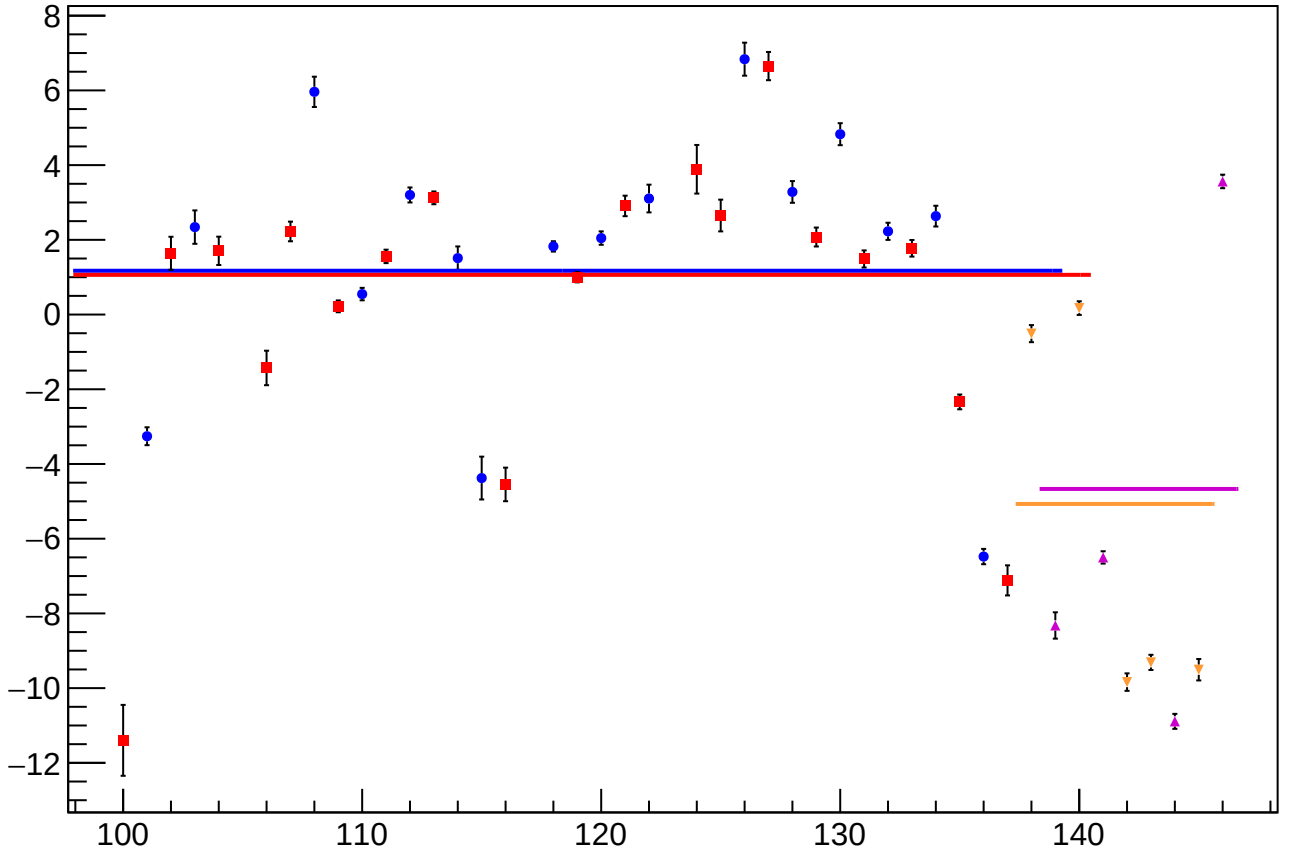
Left: 40.602+/-0.083 χ^2/NDF: 53953.8/8

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 2.561+/-0.050 χ^2/NDF:201526.6/19

Out: 4.083+/-0.043 χ^2/NDF:241475.7/23

All: 3.435+/-0.032 χ^2/NDF: 443544.5/43



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -5.070+/-0.098 χ^2/NDF:2312.2/4

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -4.668+/-0.100 χ^2/NDF:3262.8/3

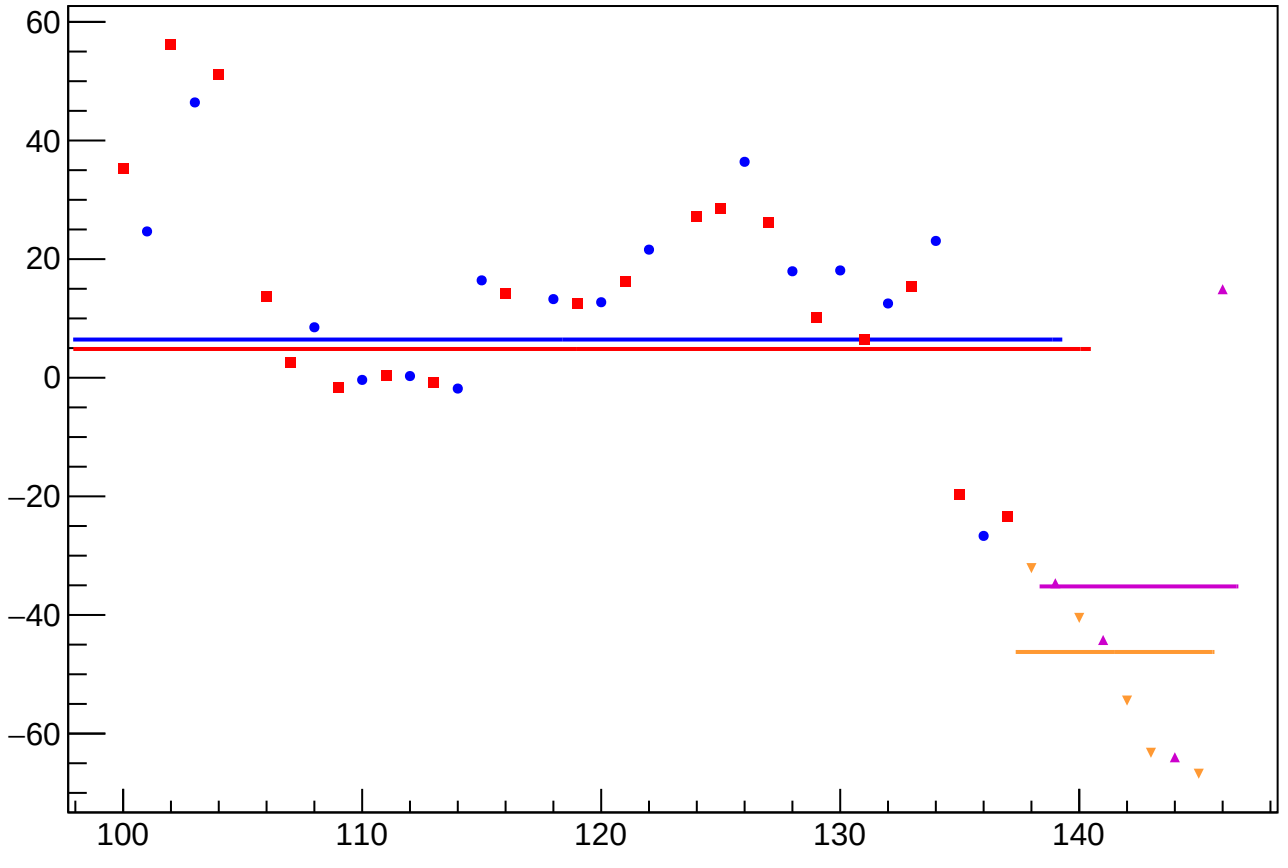
Left: -4.873+/-0.070 χ^2/NDF: 5583.2/8

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: -0.379+/-0.052 χ^2/NDF:8354.3/19

Out: -0.481+/-0.049 χ^2/NDF:6829.4/23

All: -0.432+/-0.036 χ^2/NDF: 15185.7/43



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -46.238+/-0.120 χ^2/NDF:12539.1/4

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -35.186+/-0.123 χ^2/NDF:38517.9/3

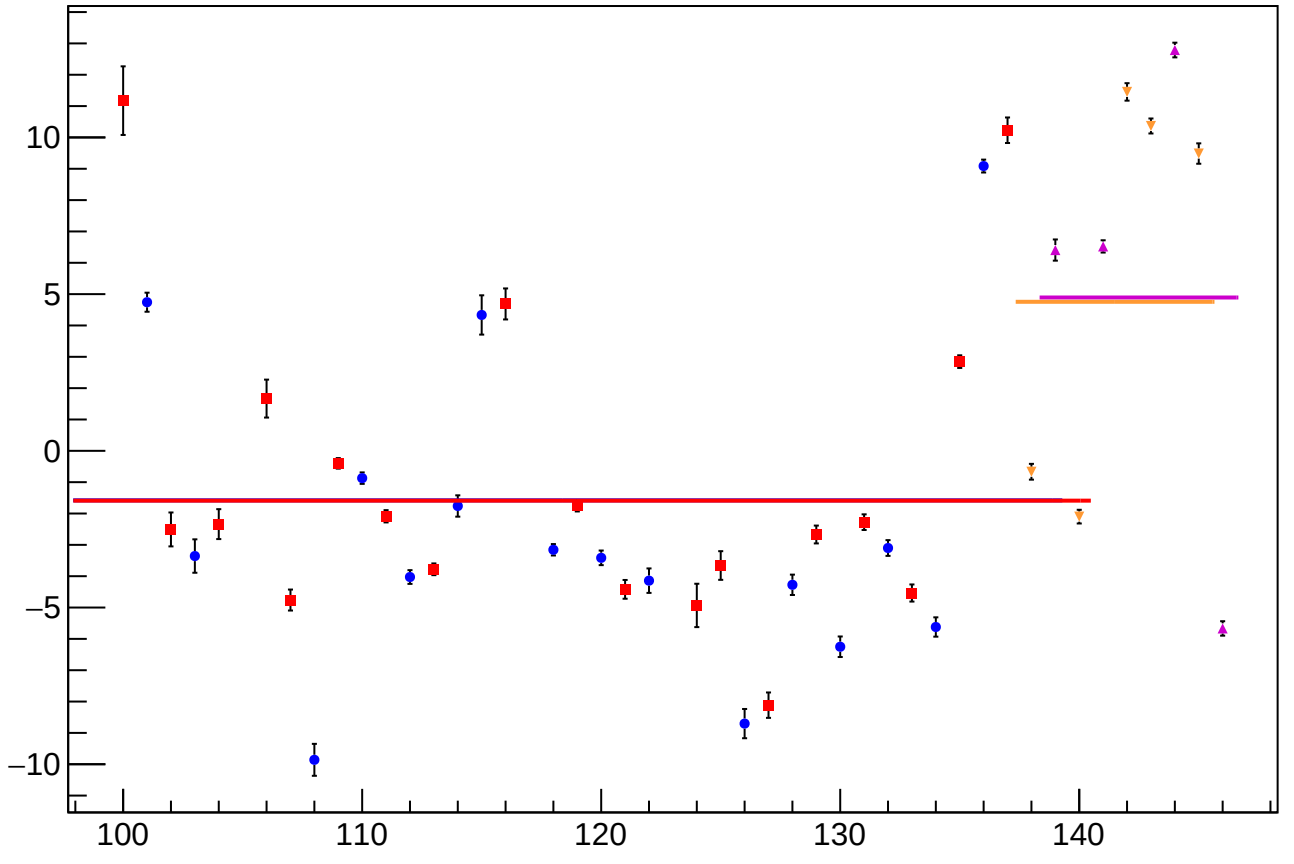
Left: -40.858+/-0.086 χ^2/NDF: 55200.1/8

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -2.613+/-0.057 χ^2/NDF:198769.8/19

Out: -5.075+/-0.053 χ^2/NDF:234217.1/23

All: -3.946+/-0.039 χ^2/NDF: 433984.3/43



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 4.755+/-0.114 χ^2/NDF:2787.5/4

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: 4.892+/-0.118 χ^2/NDF:3323.9/3

Left: 4.822+/-0.082 χ^2/NDF: 6112.1/8

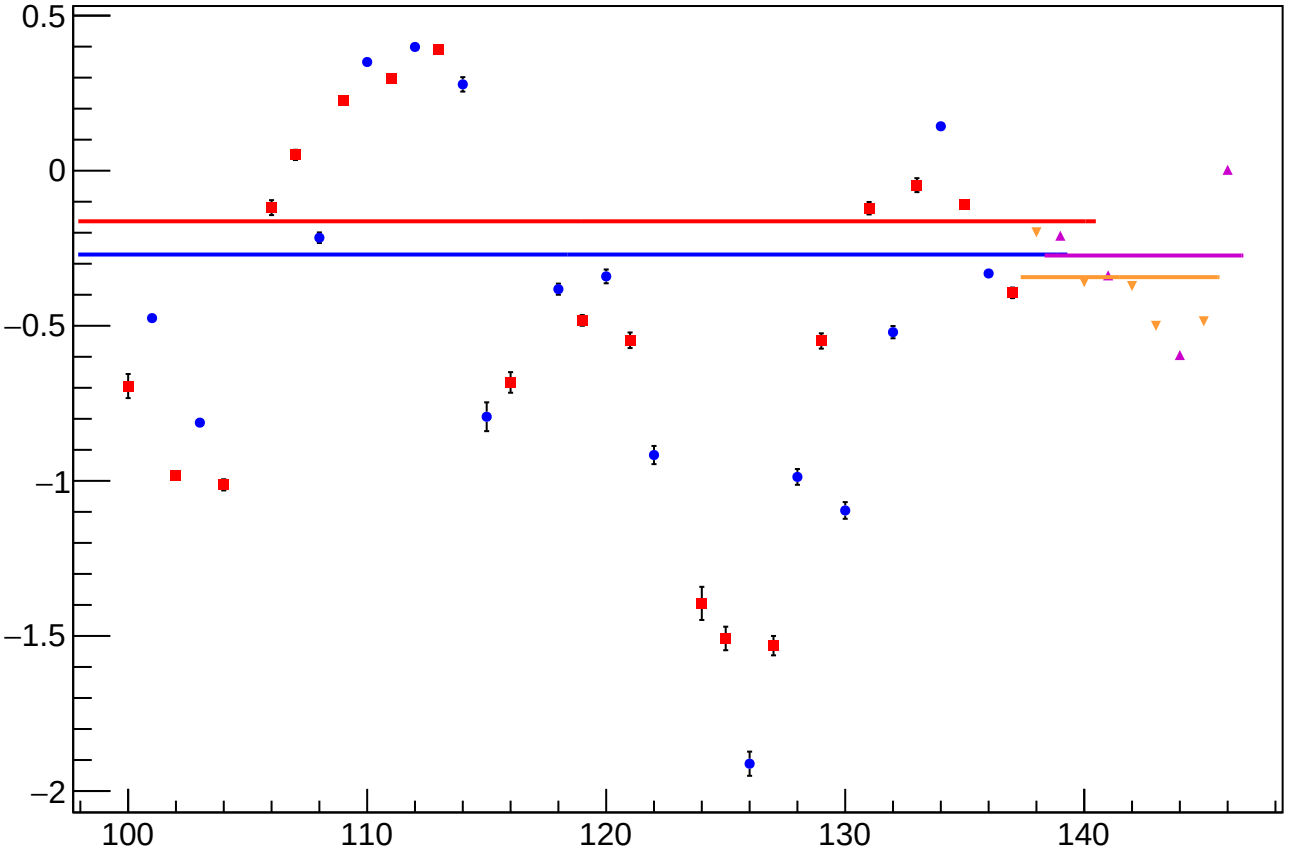
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: 0.077+/-0.060 χ^2/NDF:10086.4/19

Out: -0.066+/-0.056 χ^2/NDF:7601.0/23

All: 0.001+/-0.041 χ^2/NDF: 17690.5/43

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.343+/-0.005 χ^2/NDF:603.7/4

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.273+/-0.005 χ^2/NDF:1212.0/3

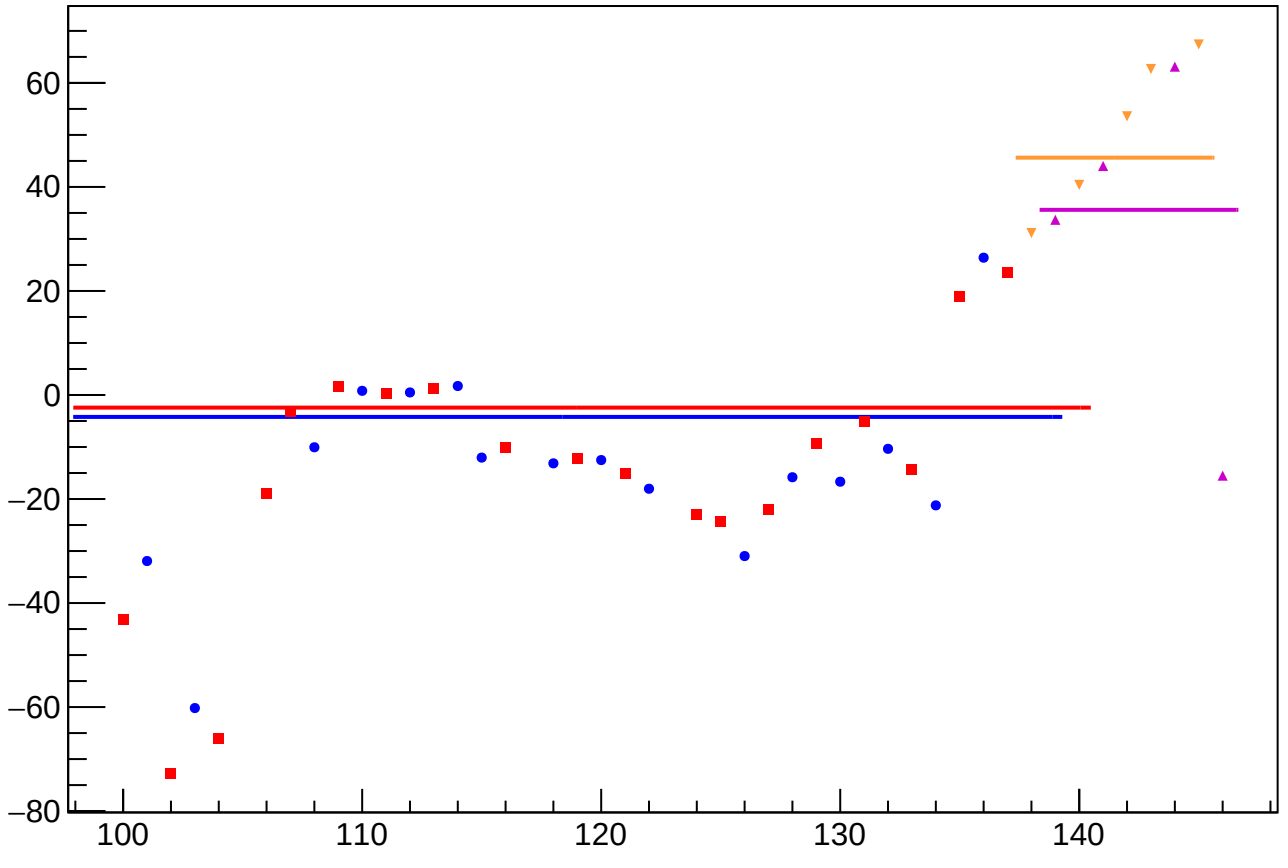
Left: -0.308+/-0.003 χ^2/NDF: 1918.8/8

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.272+/-0.003 χ^2/NDF:13248.5/19

Out: -0.231+/-0.003 χ^2/NDF:16969.1/23

All: -0.250+/-0.002 χ^2/NDF: 30305.2/43



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 45.632+/-0.116 χ^2/NDF:13844.9/4

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 35.598+/-0.121 χ^2/NDF:36527.8/3

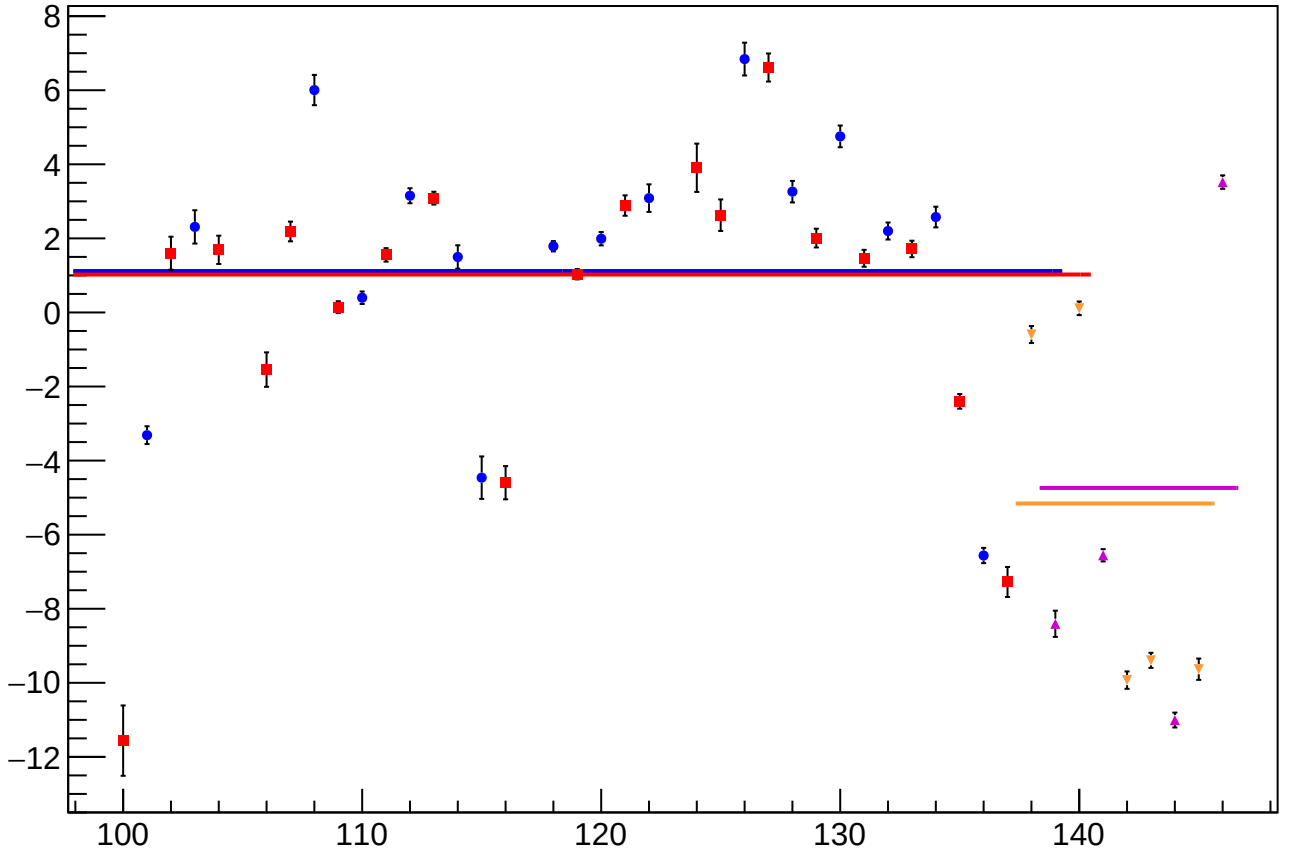
Left: 40.805+/-0.084 χ^2/NDF: 53945.8/8

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 2.551+/-0.050 χ^2/NDF:201730.3/19

Out: 4.107+/-0.043 χ^2/NDF:241814.3/23

All: 3.444+/-0.033 χ^2/NDF: 444103.8/43



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -5.158+/-0.099 χ^2/NDF:2303.5/4

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -4.738+/-0.100 χ^2/NDF:3259.6/3

Left: -4.952+/-0.070 χ^2/NDF: 5572.1/8

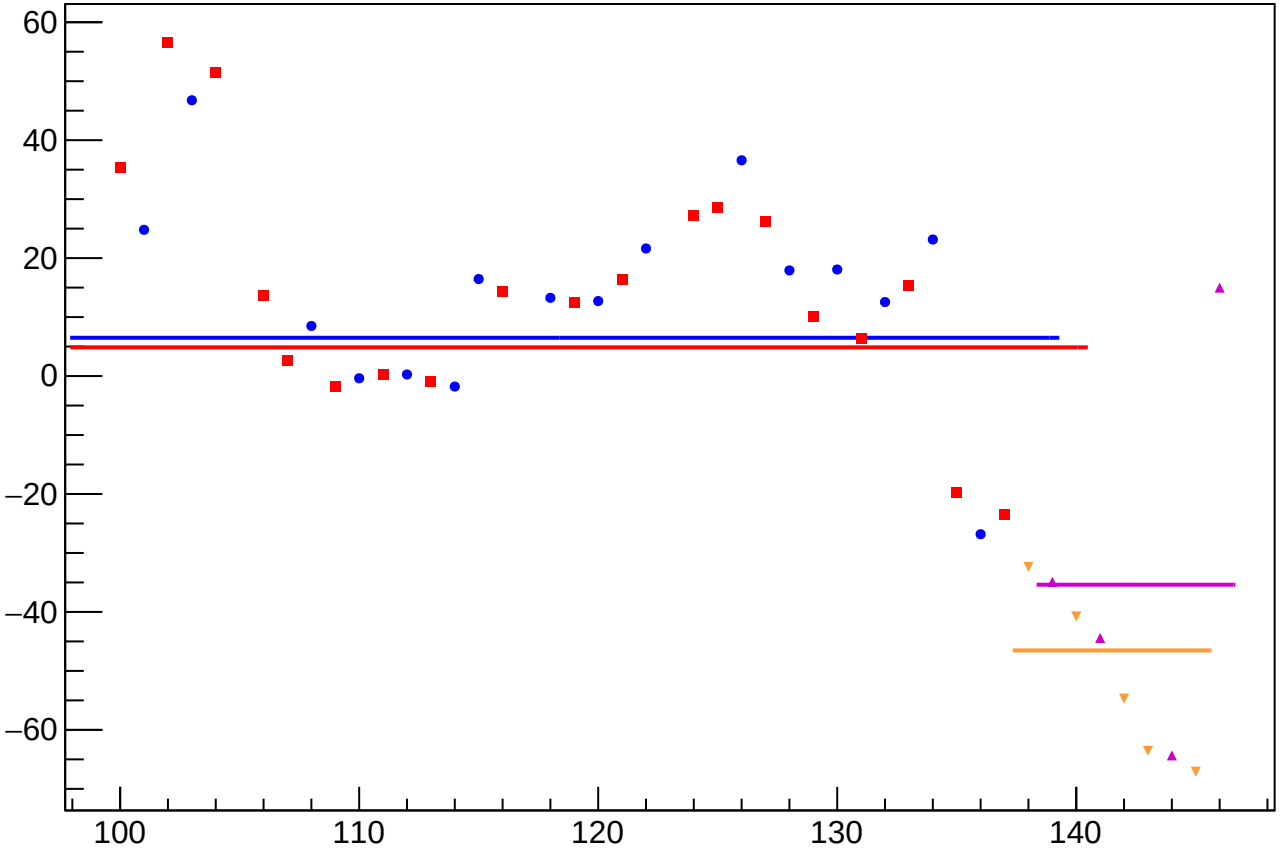
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: -0.439+/-0.052 χ^2/NDF:8349.3/19

Out: -0.534+/-0.050 χ^2/NDF:6857.0/23

All: -0.489+/-0.036 χ^2/NDF: 15208.2/43

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -46.527+/-0.120 χ^2/NDF:12475.3/4

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -35.380+/-0.124 χ^2/NDF:38555.7/3

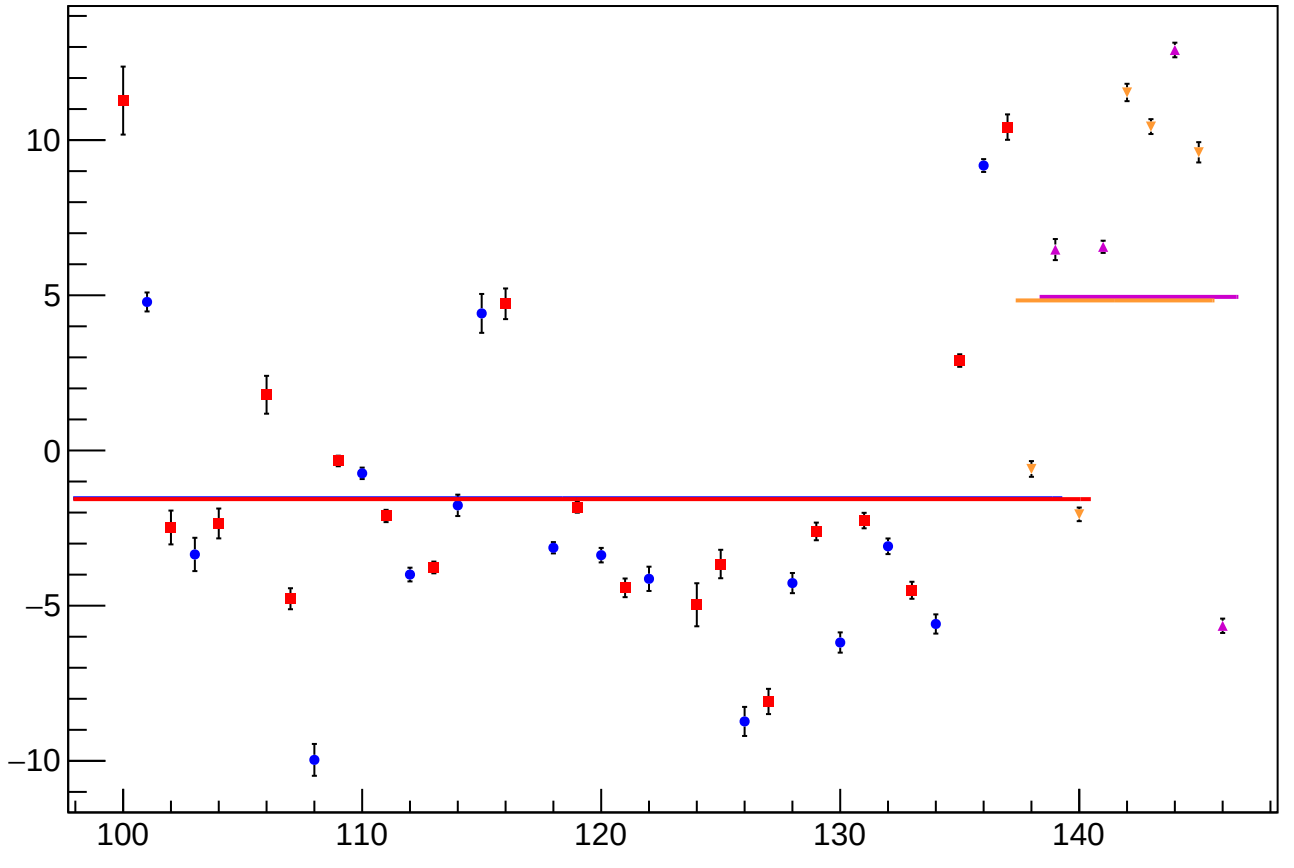
Left: -41.100+/-0.086 χ^2/NDF: 55207.9/8

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -2.635+/-0.058 χ^2/NDF:199010.9/19

Out: -5.143+/-0.053 χ^2/NDF:234586.6/23

All: -3.992+/-0.039 χ^2/NDF: 434620.5/43



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 4.834+/-0.115 χ^2/NDF:2777.2/4

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: 4.949+/-0.119 χ^2/NDF:3324.6/3

Left: 4.890+/-0.082 χ^2/NDF: 6102.2/8

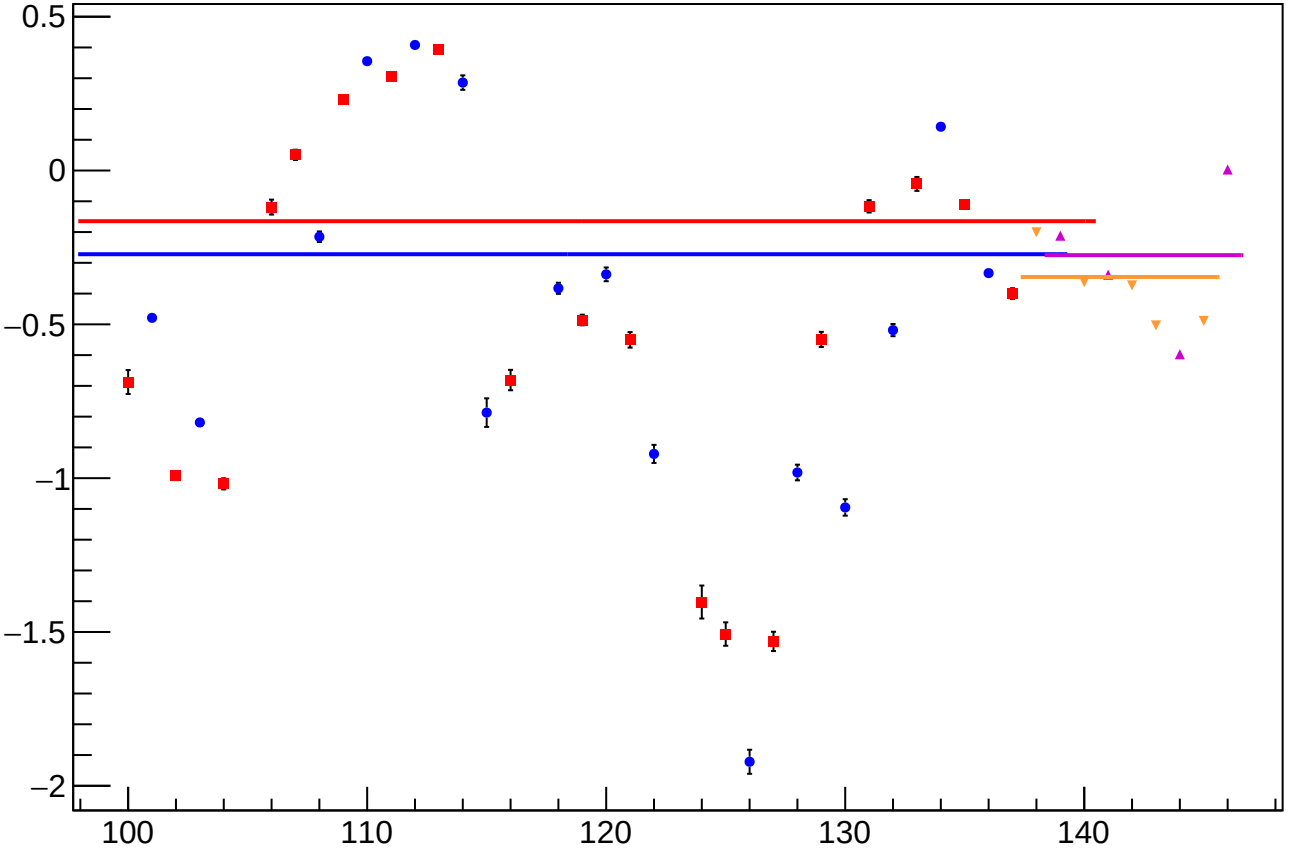
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: 0.123+/-0.060 χ^2/NDF:10090.0/19

Out: -0.028+/-0.056 χ^2/NDF:7635.6/23

All: 0.043+/-0.041 χ^2/NDF: 17729.0/43

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: -0.346+/-0.005 χ^2/NDF:602.9/4

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.275+/-0.005 χ^2/NDF:1210.8/3

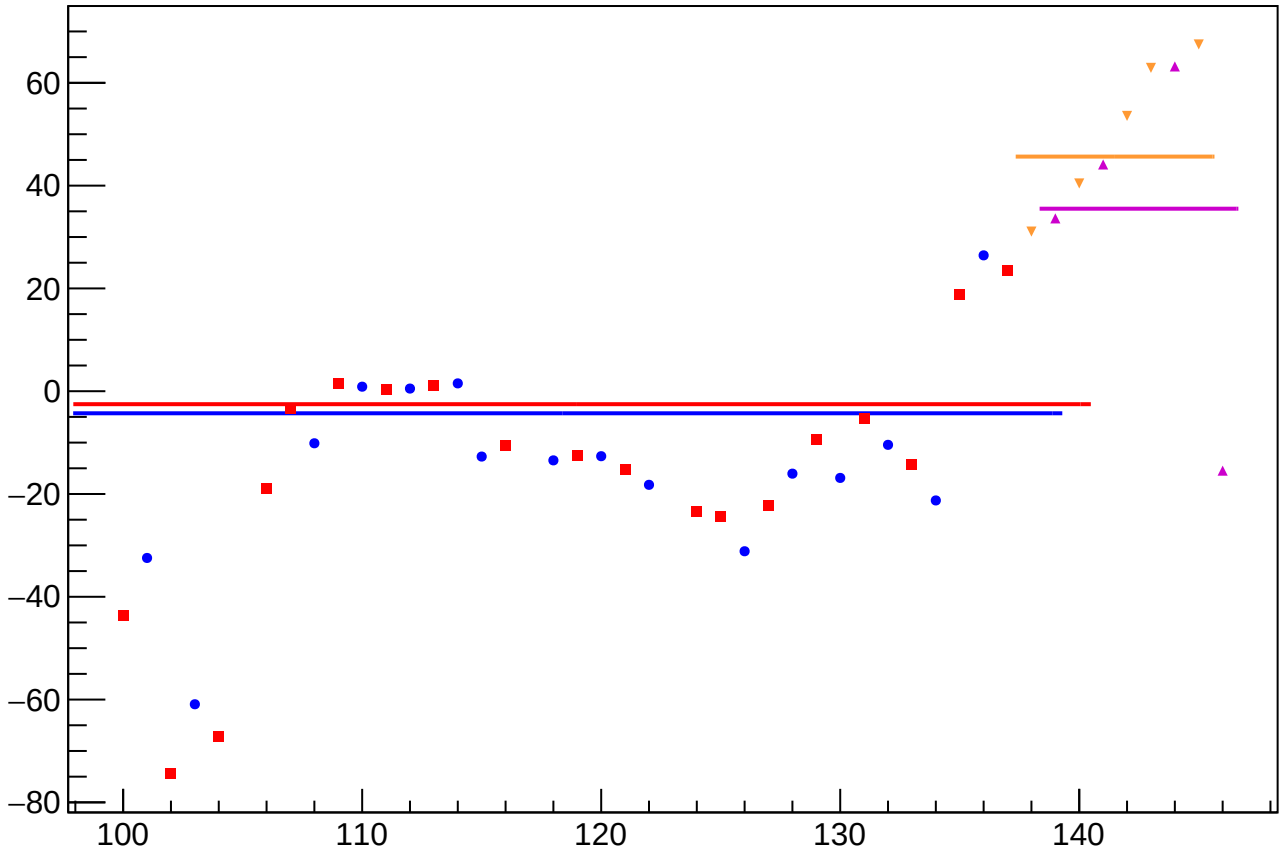
Left: -0.311+/-0.003 χ^2/NDF: 1919.4/8

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.273+/-0.003 χ^2/NDF:13274.7/19

Out: -0.233+/-0.003 χ^2/NDF:16952.7/23

All: -0.252+/-0.002 χ^2/NDF: 30312.4/43



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 45.651+/-0.117 χ^2/NDF:13790.5/4

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 35.512+/-0.122 χ^2/NDF:36247.3/3

Left: 40.774+/-0.085 χ^2/NDF: 53621.5/8

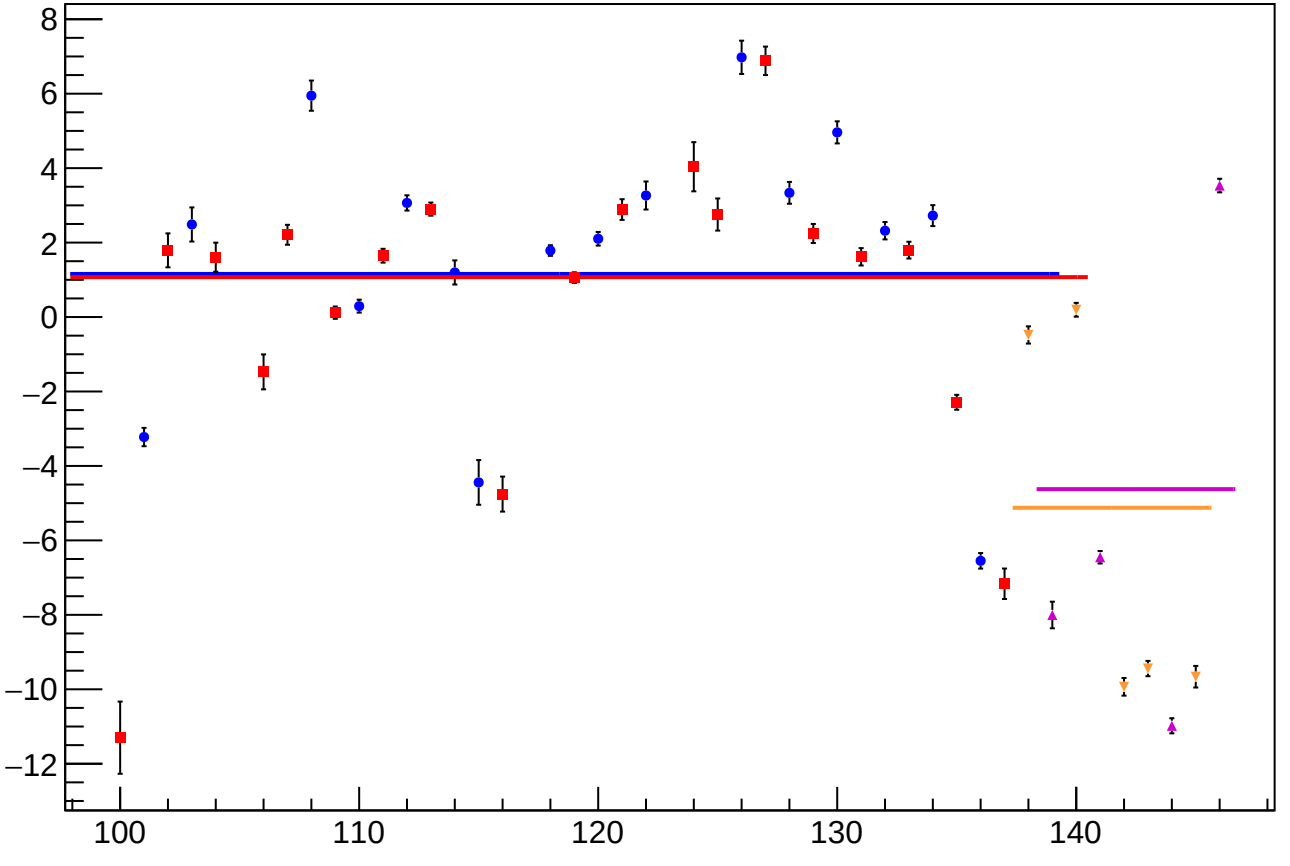
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 2.575+/-0.051 χ^2/NDF:198520.6/19

Out: 4.180+/-0.044 χ^2/NDF:238479.0/23

All: 3.494+/-0.033 χ^2/NDF: 437573.2/43

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: -5.123+/-0.099 χ^2/NDF:2321.8/4

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -4.623+/-0.101 χ^2/NDF:3189.3/3

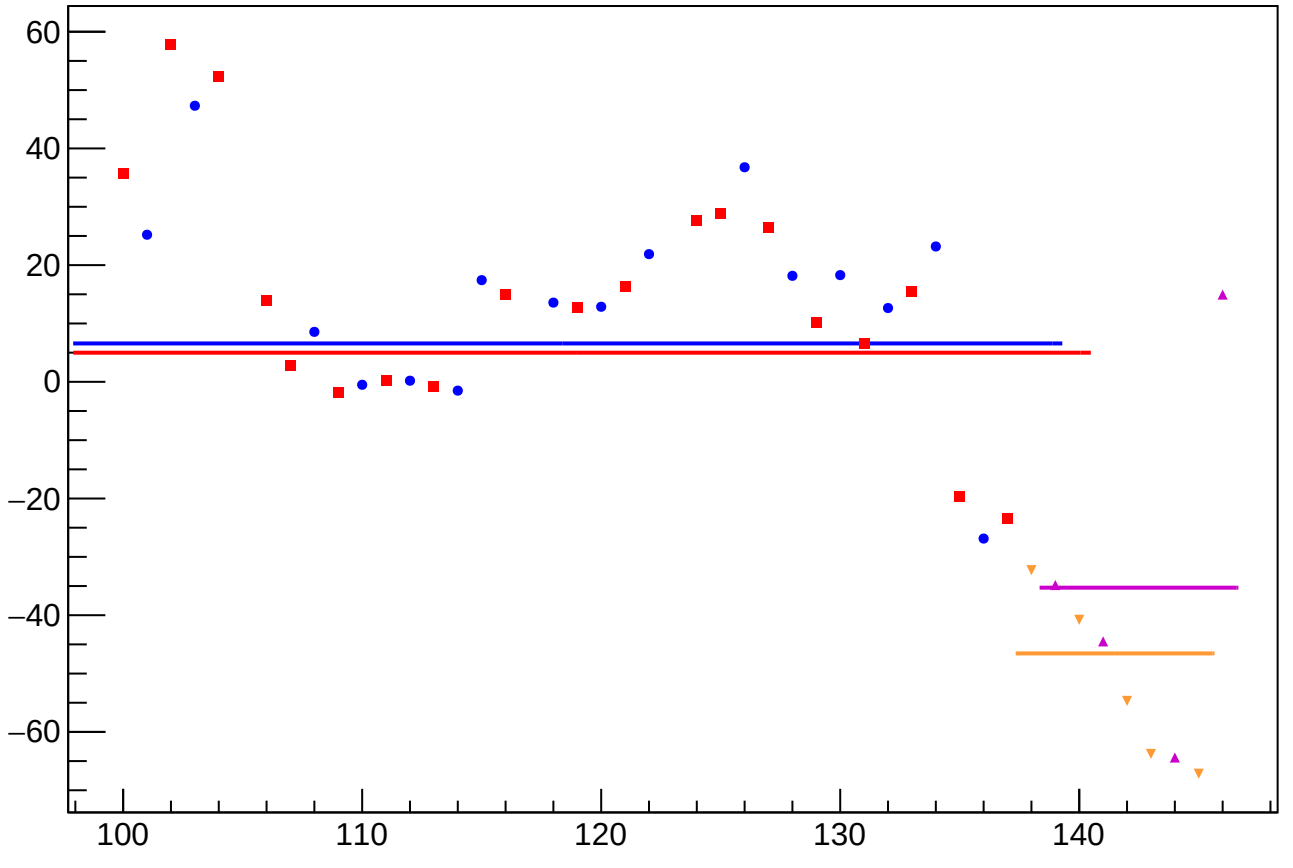
Left: -4.878+/-0.071 χ^2/NDF: 5523.6/8

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: -0.402+/-0.053 χ^2/NDF:8121.7/19

Out: -0.513+/-0.050 χ^2/NDF:6758.4/23

All: -0.460+/-0.036 χ^2/NDF: 14882.4/43



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -46.548+/-0.121 χ^2/NDF:12419.7/4

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -35.281+/-0.125 χ^2/NDF:38251.5/3

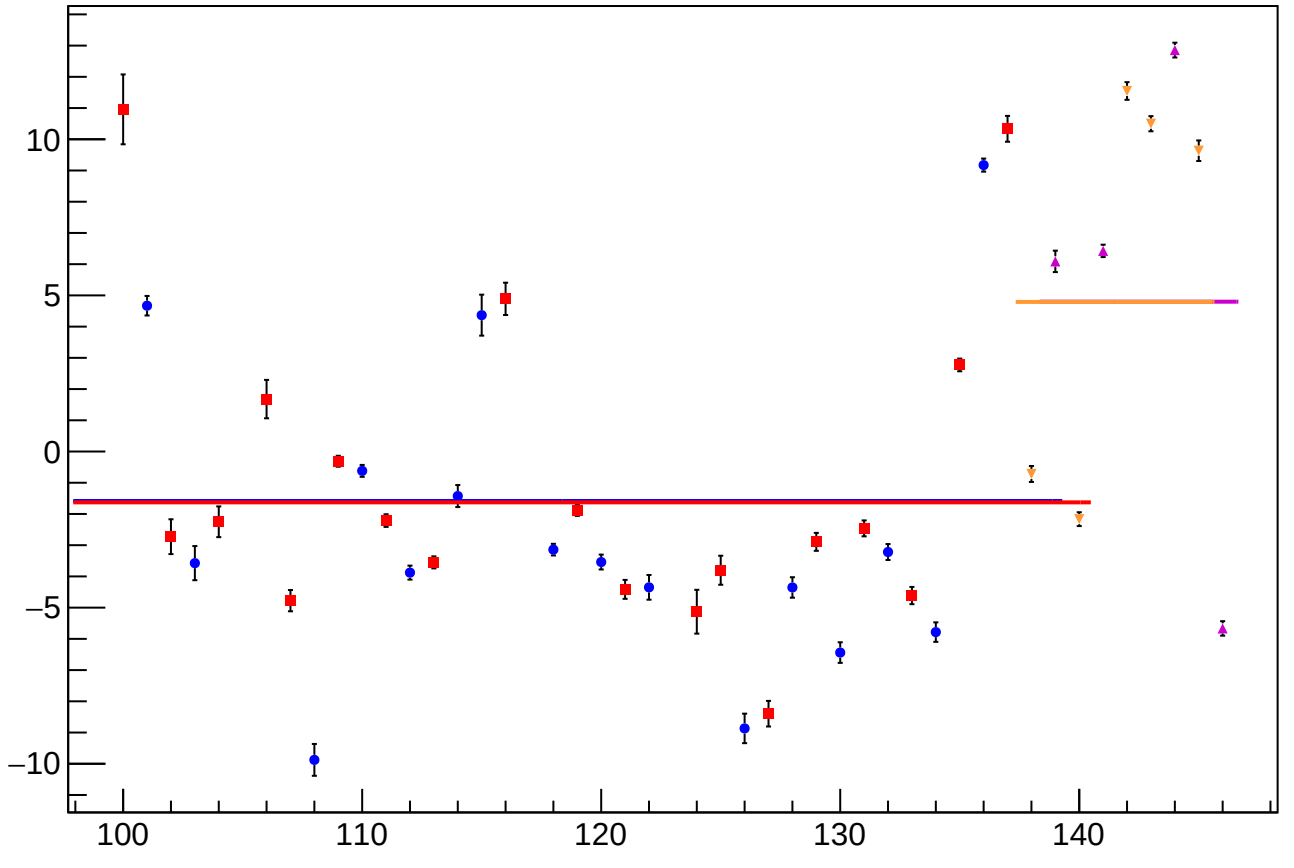
Left: -41.062+/-0.087 χ^2/NDF: 54862.9/8

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -2.672+/-0.059 χ^2/NDF:195822.5/19

Out: -5.236+/-0.054 χ^2/NDF:231289.3/23

All: -4.057+/-0.040 χ^2/NDF: 428145.2/43



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 4.791+/-0.116 χ^2/NDF:2794.5/4

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: 4.799+/-0.120 χ^2/NDF:3264.8/3

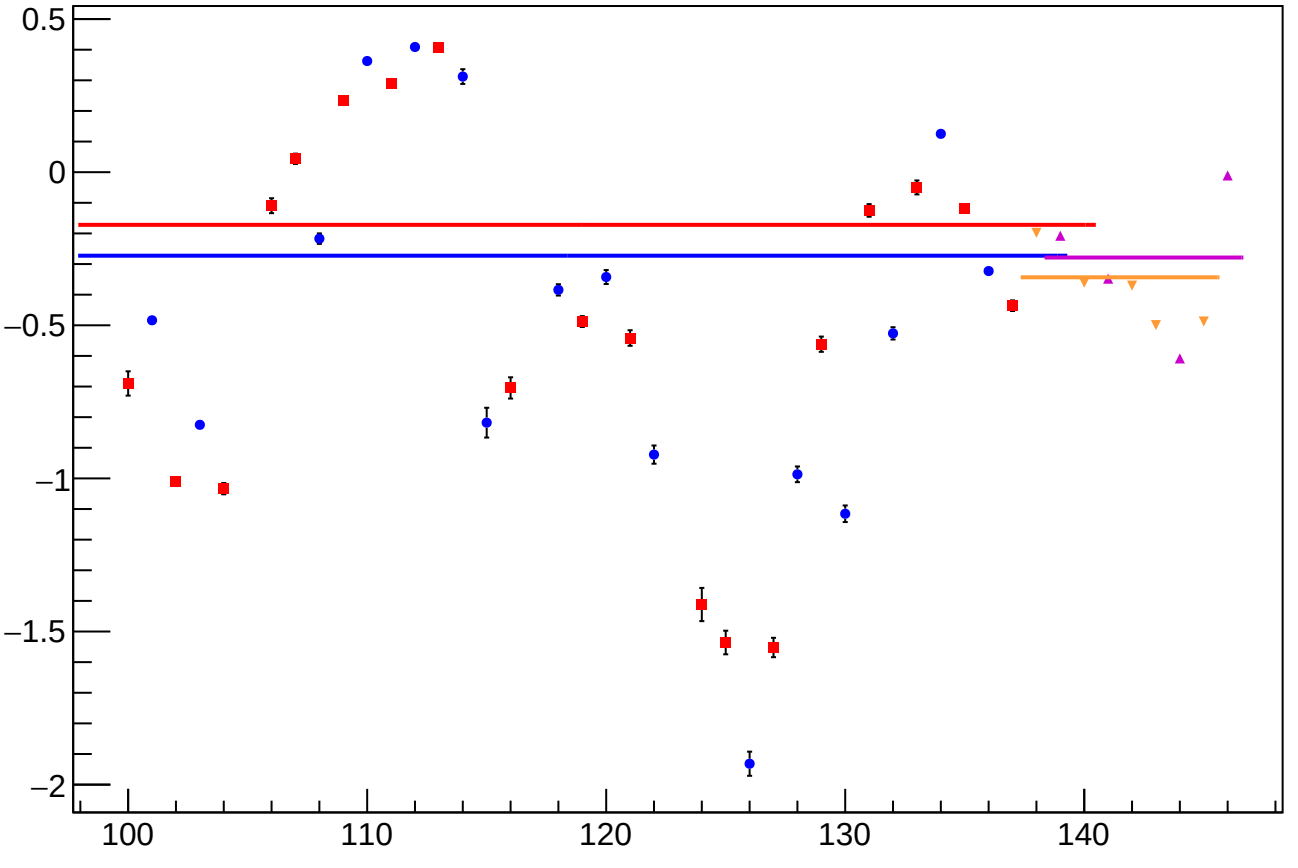
Left: 4.795+/-0.083 χ^2/NDF: 6059.3/8

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: 0.073+/-0.061 χ^2/NDF:9850.0/19

Out: -0.061+/-0.057 χ^2/NDF:7537.0/23

All: 0.002+/-0.042 χ^2/NDF: 17389.6/43



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.343+/-0.005 χ^2/NDF:592.4/4

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.279+/-0.005 χ^2/NDF:1220.5/3

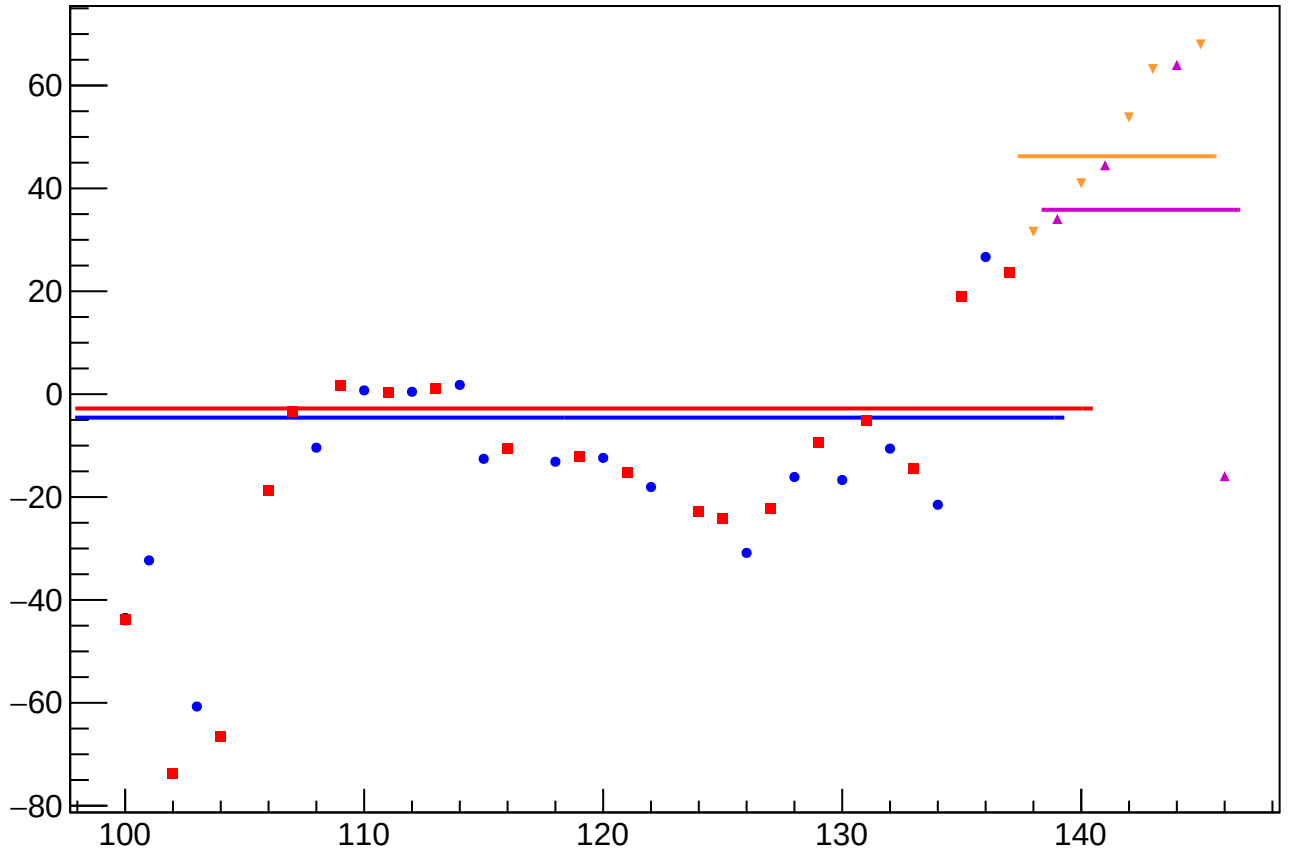
Left: -0.311+/-0.003 χ^2/NDF: 1899.0/8

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.275+/-0.003 χ^2/NDF:13077.7/19

Out: -0.237+/-0.003 χ^2/NDF:16663.5/23

All: -0.255+/-0.002 χ^2/NDF: 29815.0/43



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 46.247+/-0.120 χ^2/NDF:13116.9/4

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 35.845+/-0.124 χ^2/NDF:36189.2/3

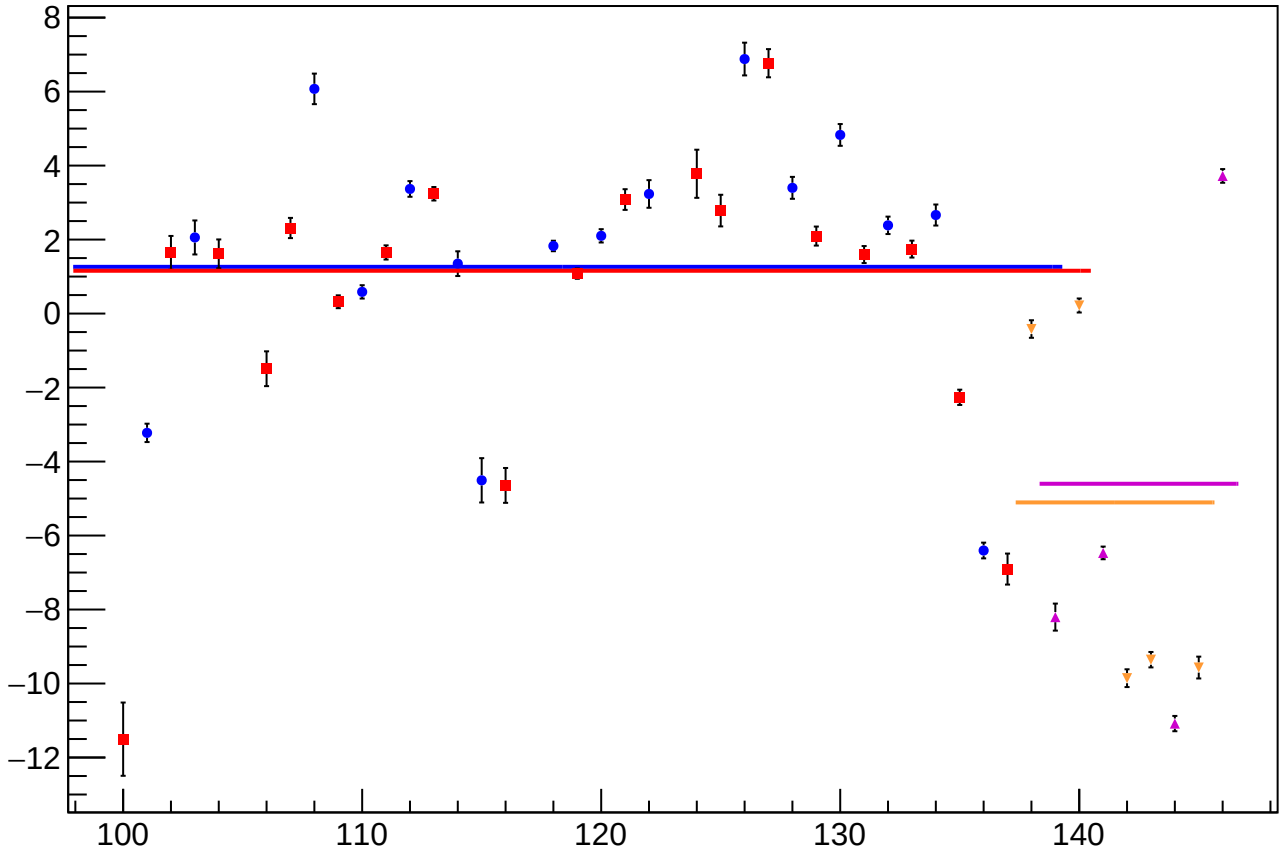
Left: 41.237+/-0.086 χ^2/NDF: 52930.4/8

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 2.413+/-0.052 χ^2/NDF:196108.8/19

Out: 4.116+/-0.045 χ^2/NDF:234679.2/23

All: 3.382+/-0.034 χ^2/NDF: 431405.5/43



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -5.105+/-0.101 χ^2/NDF:2214.0/4

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -4.600+/-0.103 χ^2/NDF:3217.5/3

Left: -4.857+/-0.072 χ^2/NDF: 5443.7/8

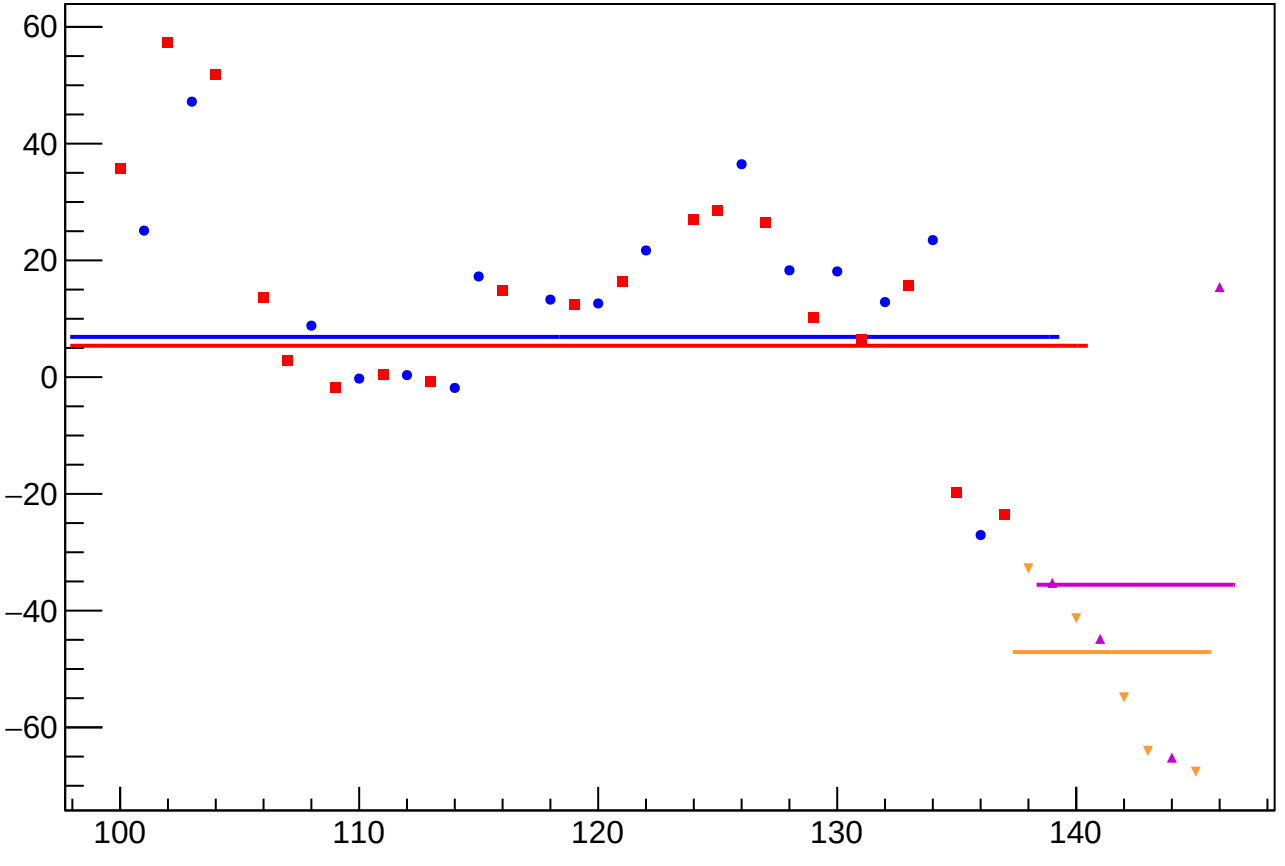
Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: -0.297+/-0.053 χ^2/NDF:8037.9/19

Out: -0.432+/-0.051 χ^2/NDF:6554.2/23

All: -0.367+/-0.037 χ^2/NDF: 14595.5/43

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -47.100+/-0.124 χ^2/NDF:11790.6/4

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -35.563+/-0.127 χ^2/NDF:38173.9/3

Left: -41.475+/-0.089 χ^2/NDF: 54189.1/8

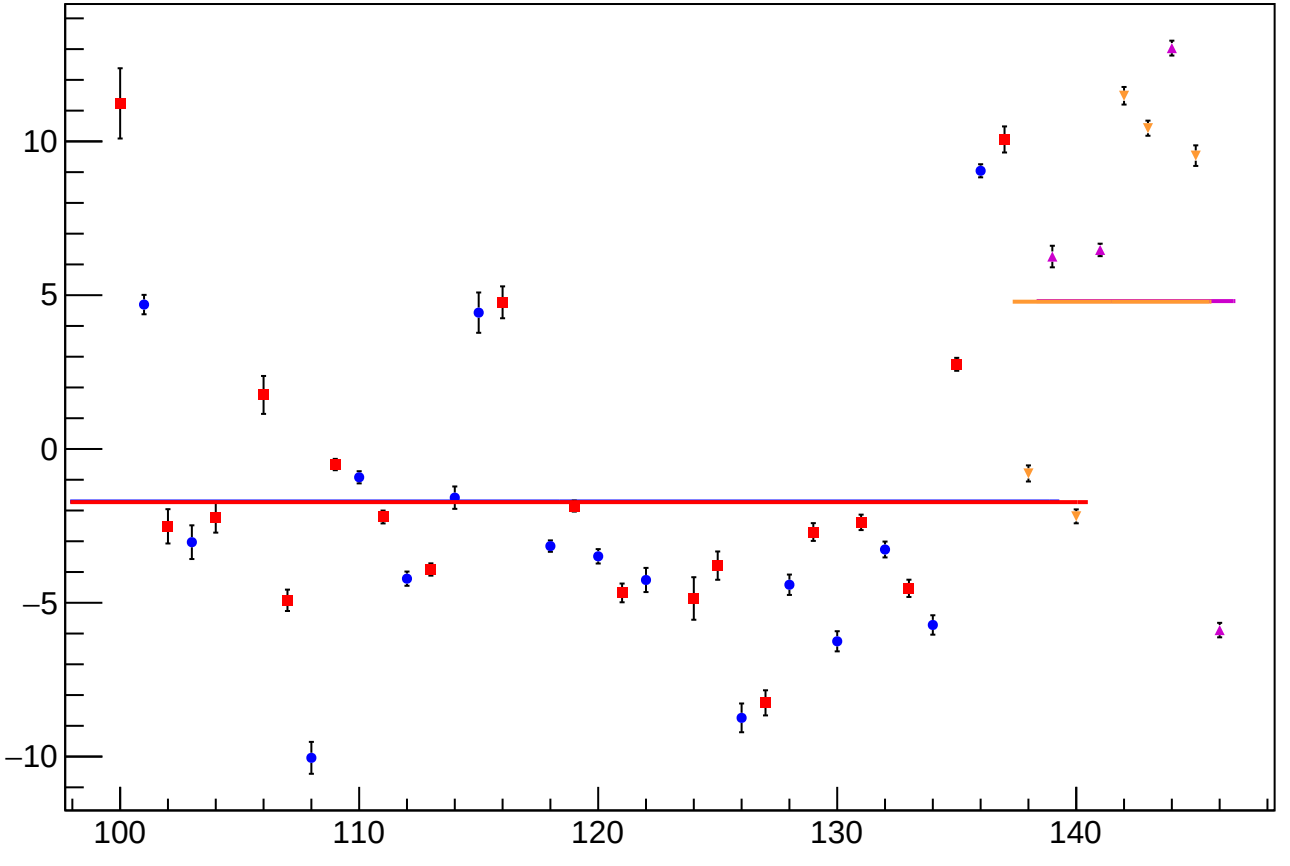
Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -2.419+/-0.060 χ^2/NDF:193364.7/19

Out: -5.037+/-0.055 χ^2/NDF:227710.2/23

All: -3.826+/-0.040 χ^2/NDF: 422115.1/43

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 4.789+/-0.118 χ^2/NDF:2679.5/4

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: 4.808+/-0.122 χ^2/NDF:3299.0/3

Left: 4.798+/-0.085 χ^2/NDF: 5978.6/8

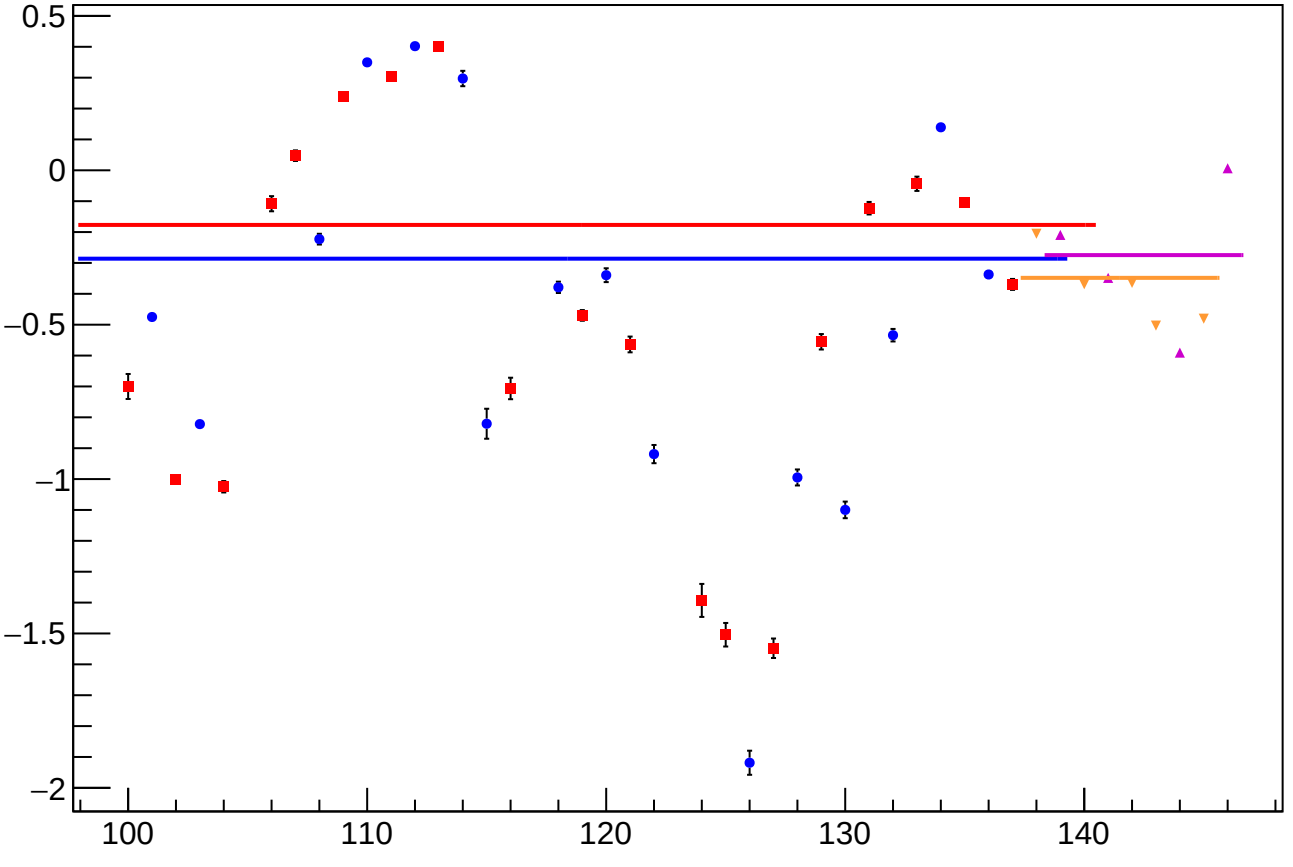
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.033+/-0.062 χ^2/NDF:9719.1/19

Out: -0.145+/-0.058 χ^2/NDF:7296.5/23

All: -0.092+/-0.042 χ^2/NDF: 17017.4/43

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: -0.348+/-0.005 χ^2/NDF:536.7/4

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.275+/-0.005 χ^2/NDF:1159.0/3

Left: -0.311+/-0.004 χ^2/NDF: 1803.2/8

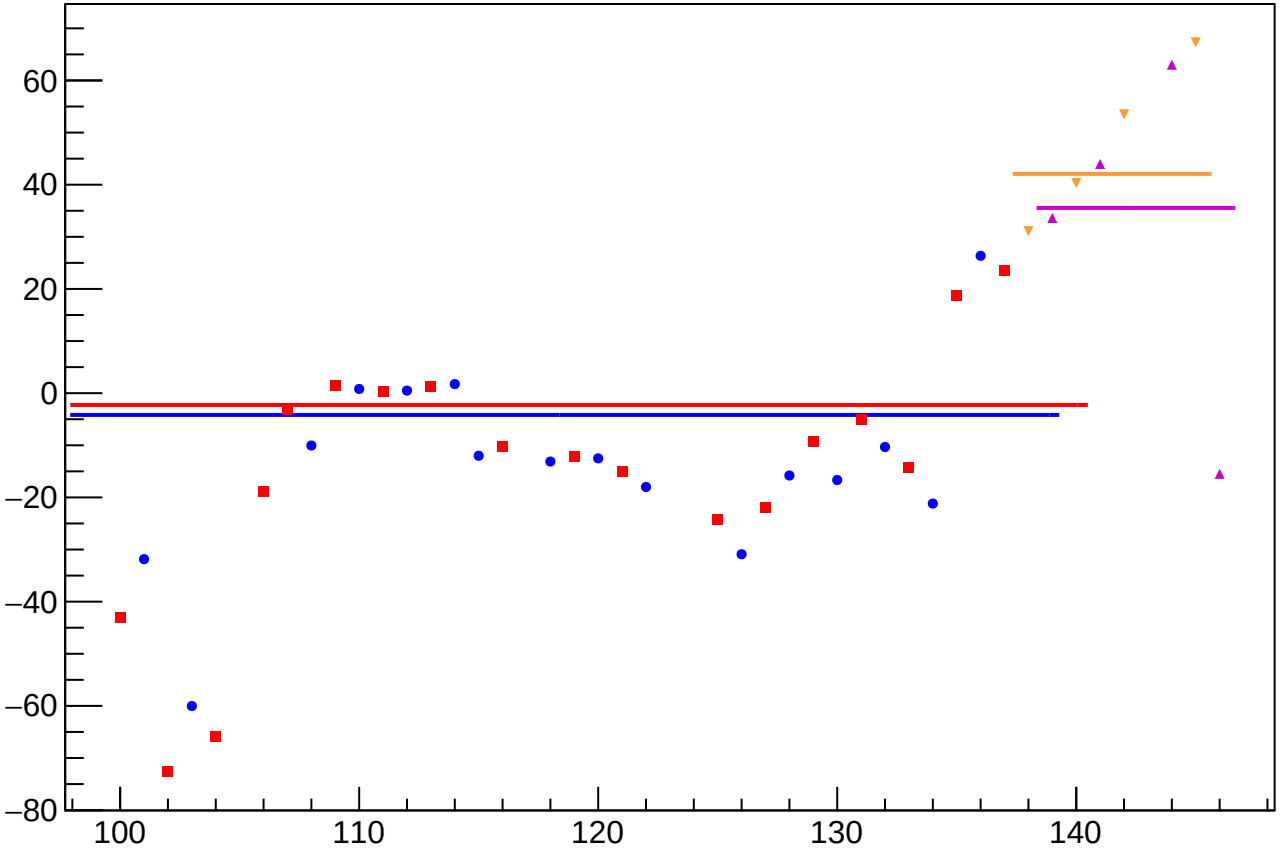
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.281+/-0.003 χ^2/NDF:12523.1/19

Out: -0.242+/-0.003 χ^2/NDF:16022.6/23

All: -0.261+/-0.002 χ^2/NDF: 28621.0/43

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 42.074+/-0.127 χ^2/NDF:9534.8/3

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 35.543+/-0.121 χ^2/NDF:36565.0/3

Left: 38.632+/-0.088 χ^2/NDF: 47487.1/7

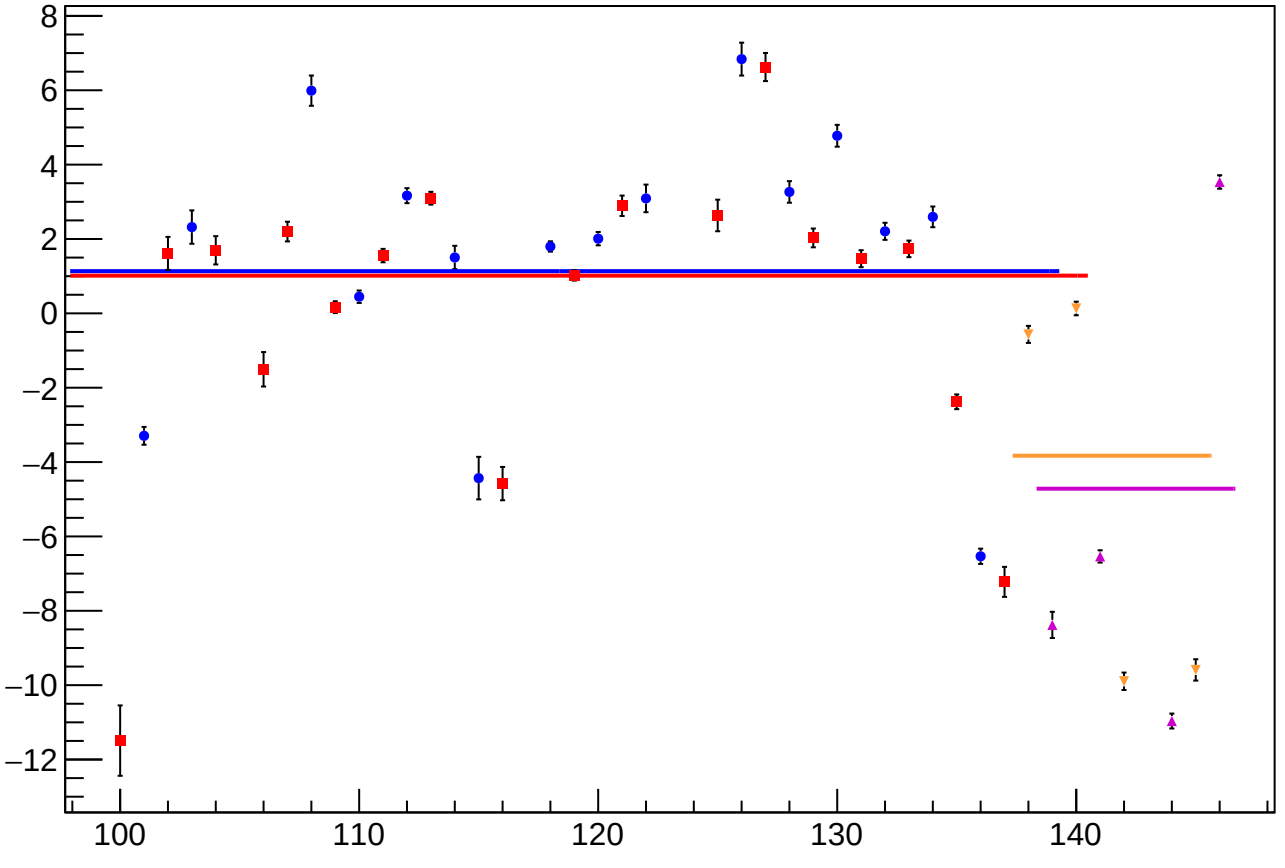
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 2.553+/-0.050 χ^2/NDF:202058.5/19

Out: 2.867+/-0.043 χ^2/NDF:196416.6/21

All: 2.731+/-0.033 χ^2/NDF: 398497.9/41

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: -3.829+/-0.112 χ^2/NDF:1742.8/3

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -4.716+/-0.100 χ^2/NDF:3265.4/3

Left: -4.323+/-0.075 χ^2/NDF: 5042.9/7

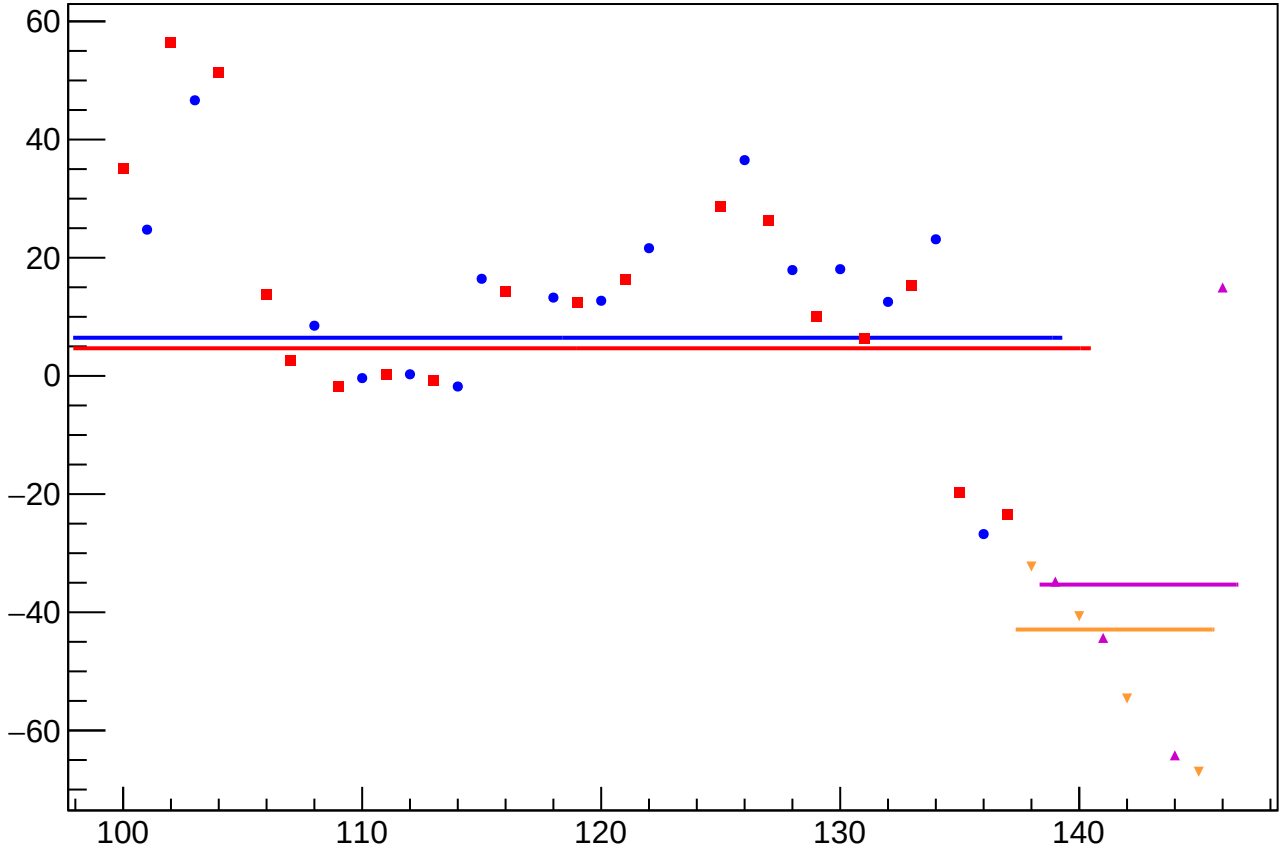
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: -0.417+/-0.052 χ^2/NDF:8369.1/19

Out: 0.017+/-0.051 χ^2/NDF:4811.3/21

All: -0.197+/-0.036 χ^2/NDF: 13216.3/41

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -42.918+/-0.132 χ^2/NDF:8401.3/3

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -35.314+/-0.123 χ^2/NDF:38593.0/3

Left: -38.862+/-0.090 χ^2/NDF: 48771.6/7

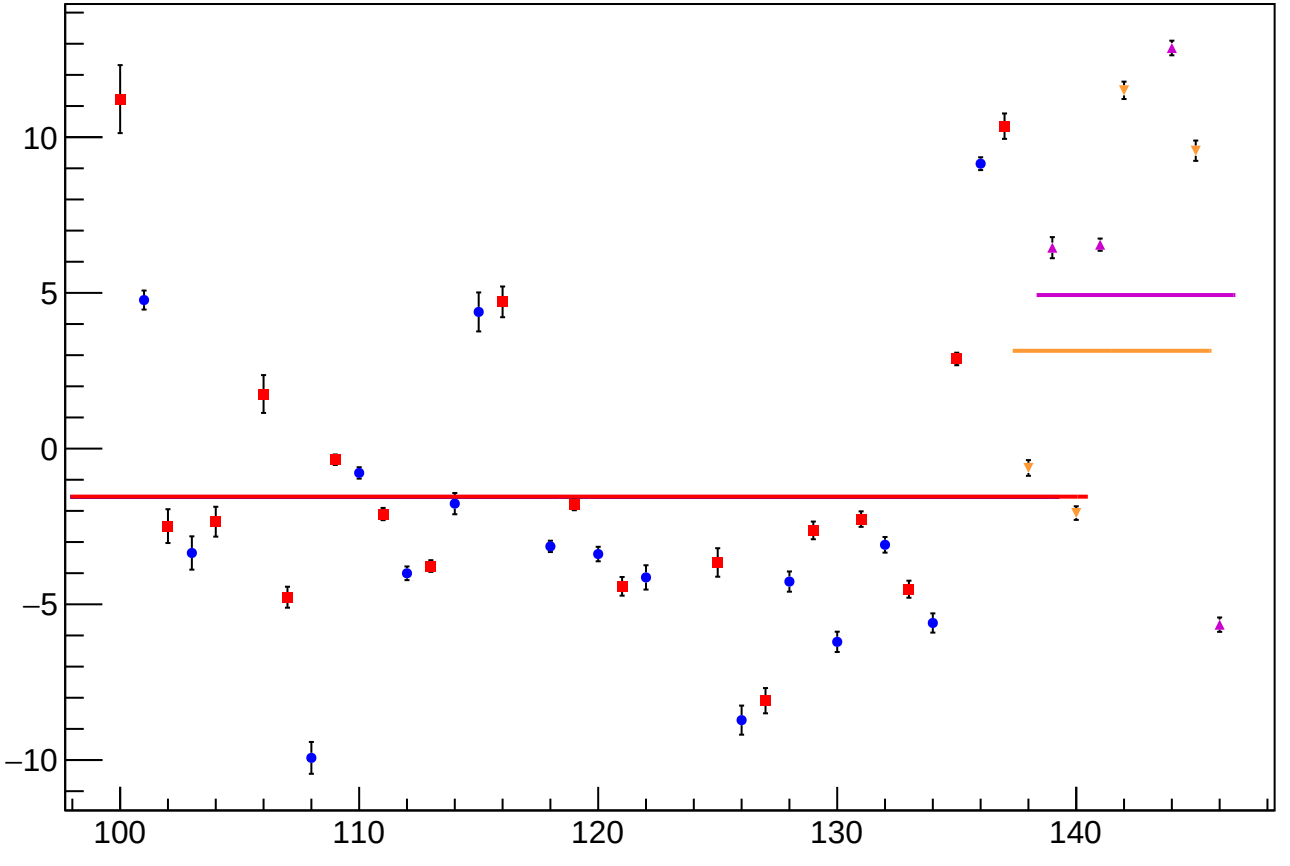
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -2.627+/-0.057 χ^2/NDF:199321.8/19

Out: -3.294+/-0.054 χ^2/NDF:191476.4/21

All: -2.982+/-0.039 χ^2/NDF: 390869.6/41

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: 3.141+/-0.130 χ^2/NDF:2075.0/3

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 4.931+/-0.118 χ^2/NDF:3329.0/3

Left: 4.123+/-0.088 χ^2/NDF: 5507.5/7

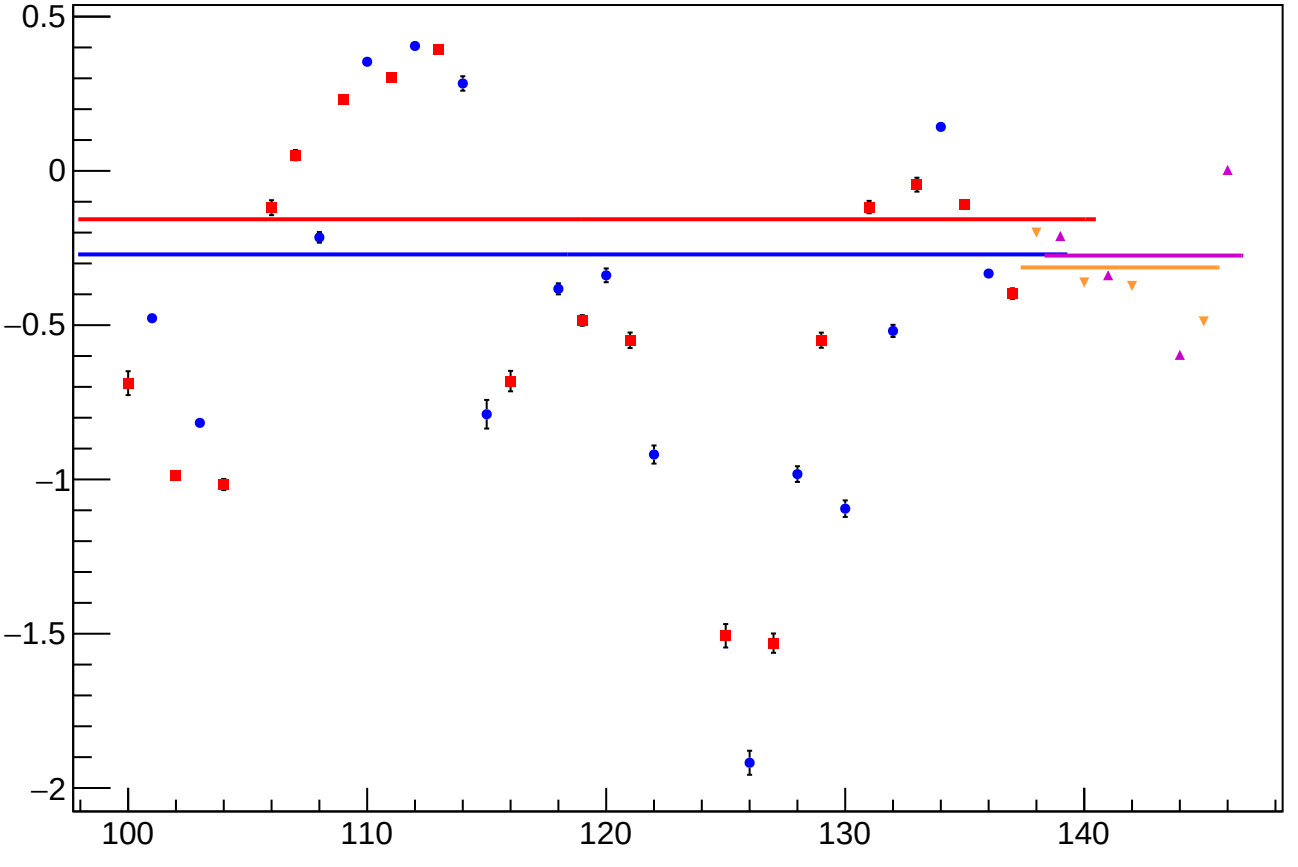
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: 0.107+/-0.060 χ^2/NDF:10110.9/19

Out: -0.621+/-0.058 χ^2/NDF:5584.1/21

All: -0.269+/-0.042 χ^2/NDF: 15771.4/41

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: -0.313+/-0.005 χ^2/NDF:392.4/3

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.274+/-0.005 χ^2/NDF:1213.1/3

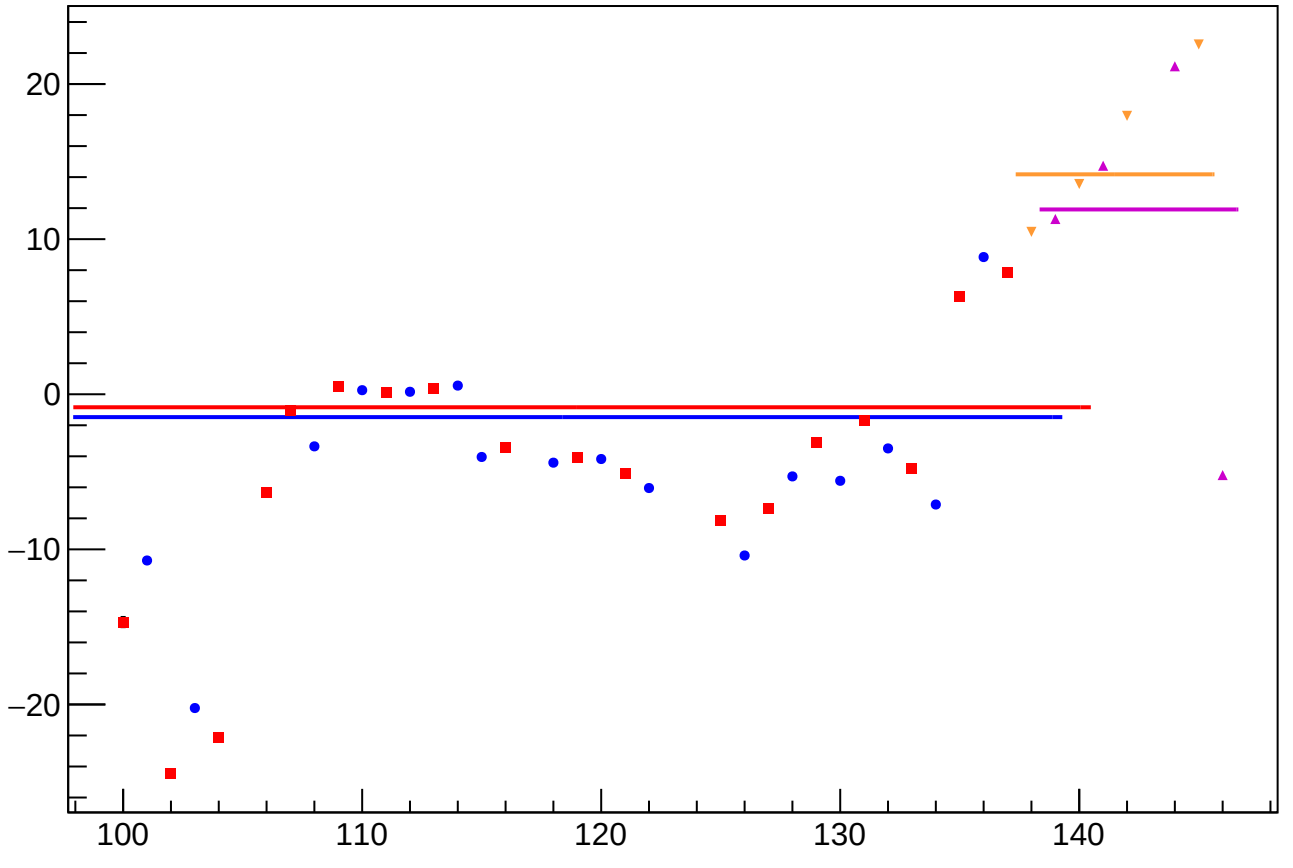
Left: -0.292+/-0.004 χ^2/NDF: 1633.8/7

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.272+/-0.003 χ^2/NDF:13309.5/19

Out: -0.209+/-0.003 χ^2/NDF:15979.8/21

All: -0.240+/-0.002 χ^2/NDF: 29493.5/41



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 14.179+/-0.043 χ^2/NDF:9247.0/3

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 11.915+/-0.041 χ^2/NDF:36141.9/3

Left: 12.984+/-0.030 χ^2/NDF: 46836.2/7

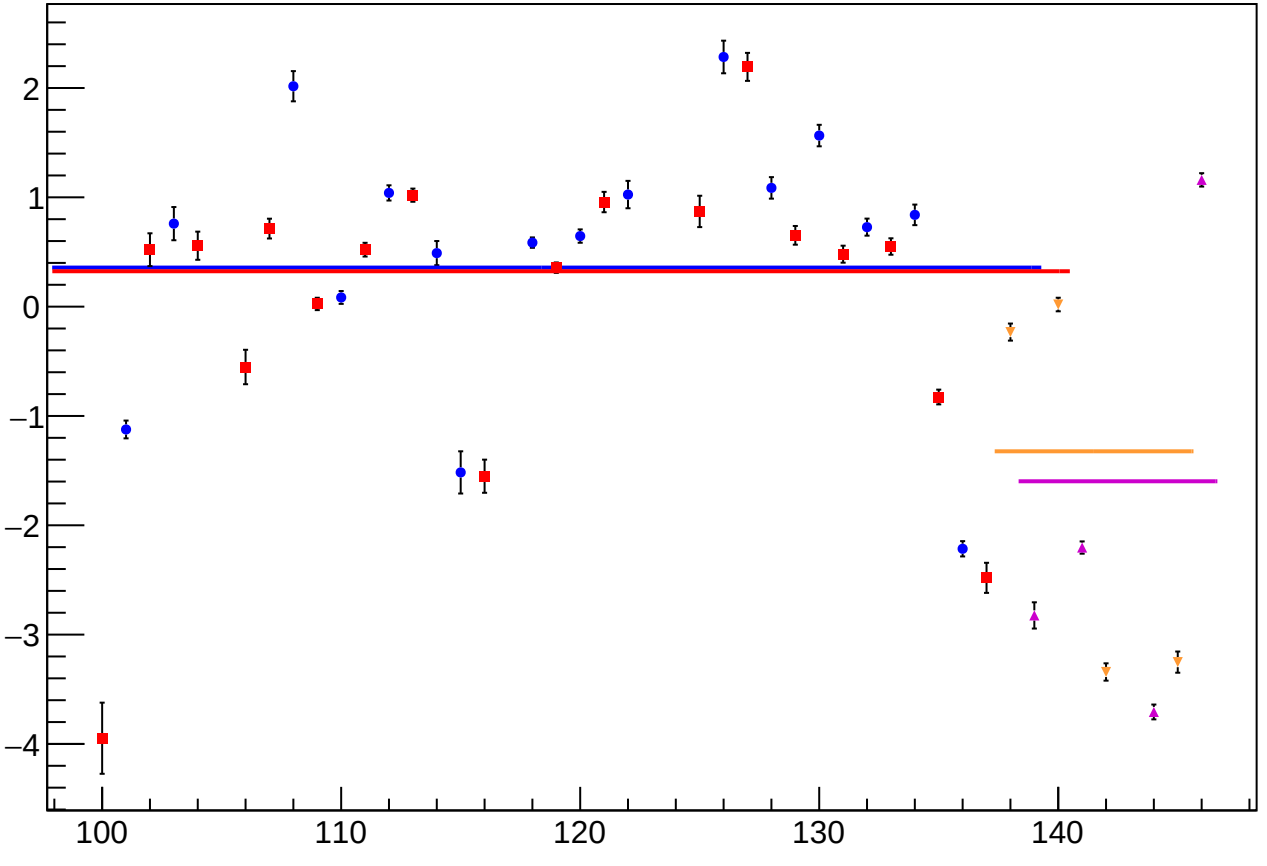
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.850+/-0.017 χ^2/NDF:198490.1/19

Out: 0.976+/-0.015 χ^2/NDF:193276.3/21

All: 0.921+/-0.011 χ^2/NDF: 391796.9/41

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -1.323+/-0.038 χ^2/NDF:1706.9/3

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -1.597+/-0.034 χ^2/NDF:3215.3/3

Left: -1.476+/-0.025 χ^2/NDF: 4951.1/7

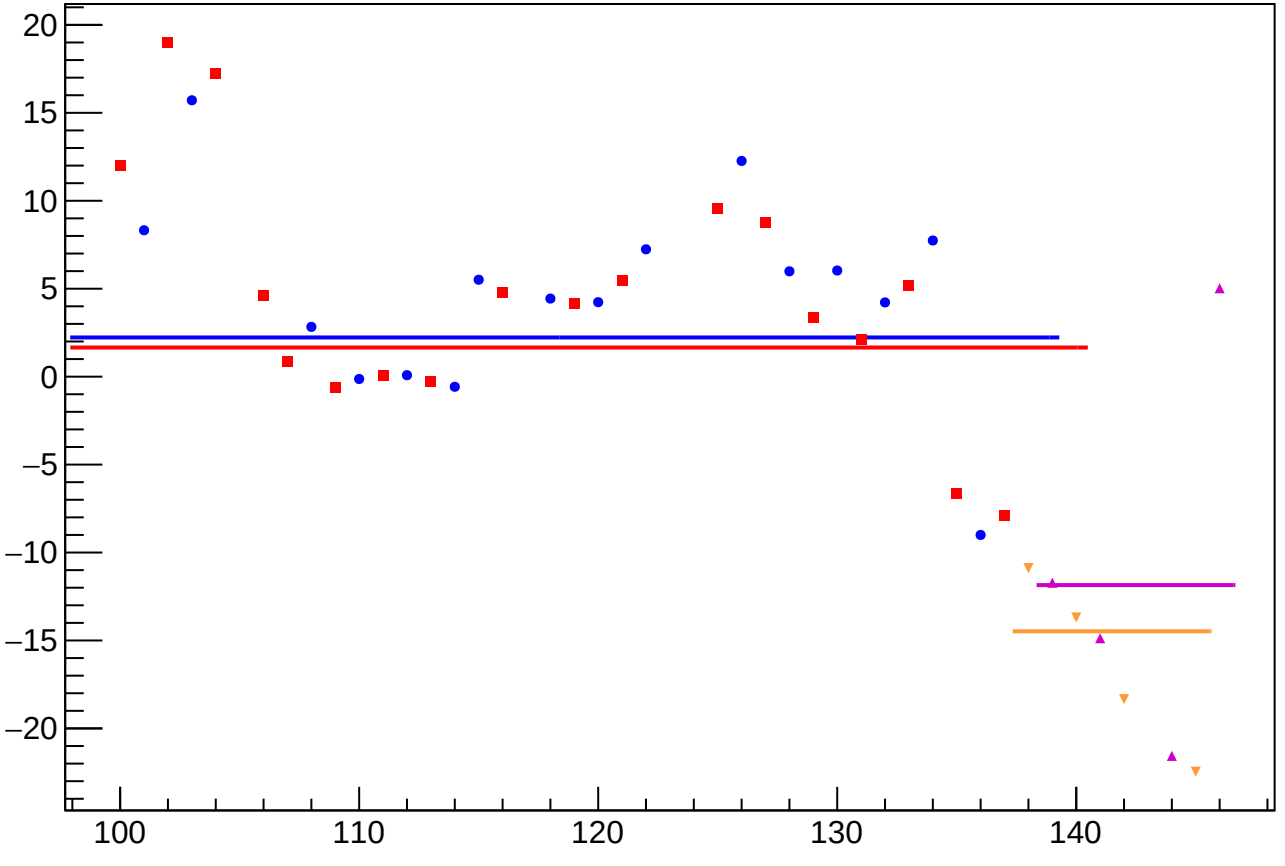
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: -0.170+/-0.018 χ^2/NDF:8188.4/19

Out: -0.024+/-0.017 χ^2/NDF:4740.3/21

All: -0.096+/-0.012 χ^2/NDF: 12963.3/41

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -14.477+/-0.045 χ^2/NDF:8141.7/3

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -11.851+/-0.042 χ^2/NDF:38155.5/3

Left: -13.074+/-0.031 χ^2/NDF: 48137.1/7

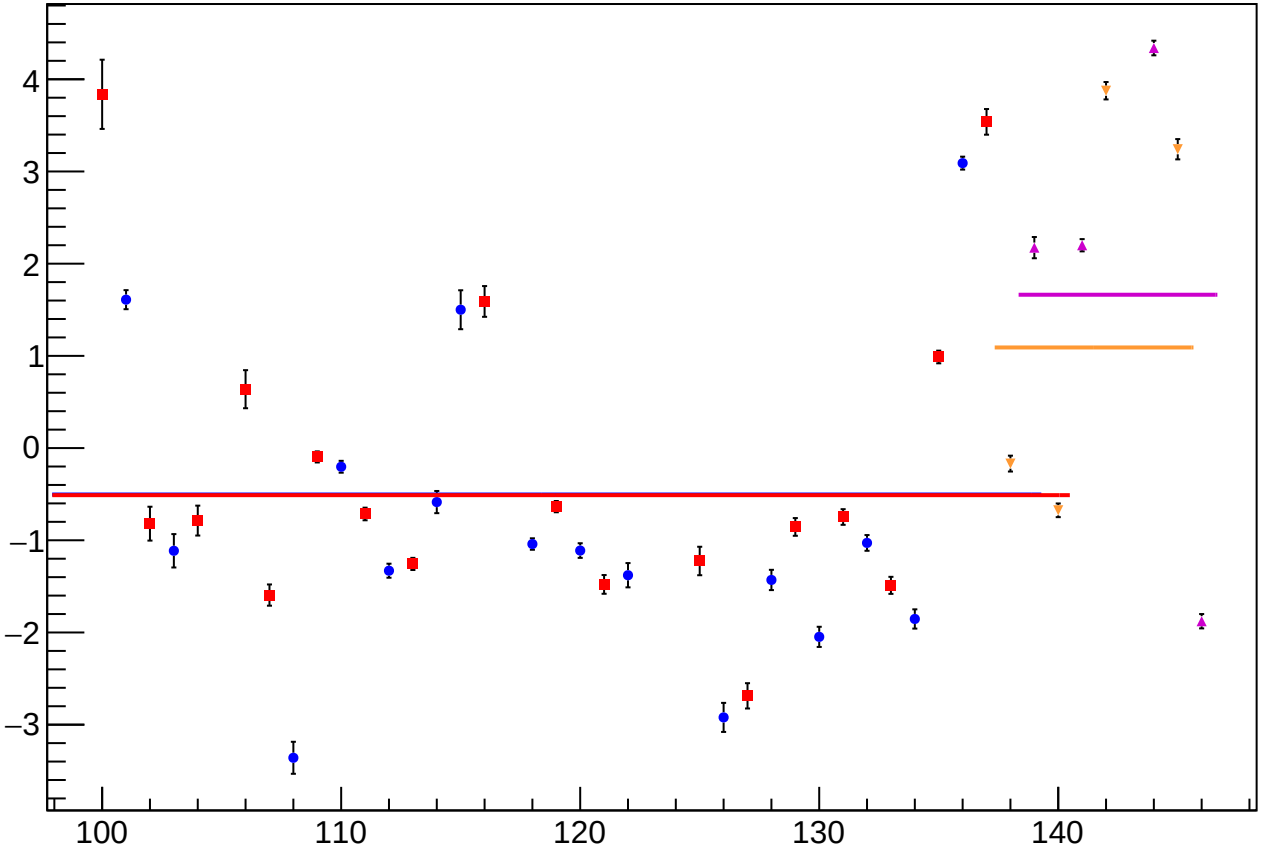
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.885+/-0.020 χ^2/NDF:195849.4/19

Out: -1.130+/-0.019 χ^2/NDF:188467.8/21

All: -1.014+/-0.014 χ^2/NDF: 384399.2/41

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: 1.091+/-0.044 χ^2/NDF:2032.2/3

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 1.663+/-0.040 χ^2/NDF:3284.9/3

Left: 1.406+/-0.030 χ^2/NDF: 5409.0/7

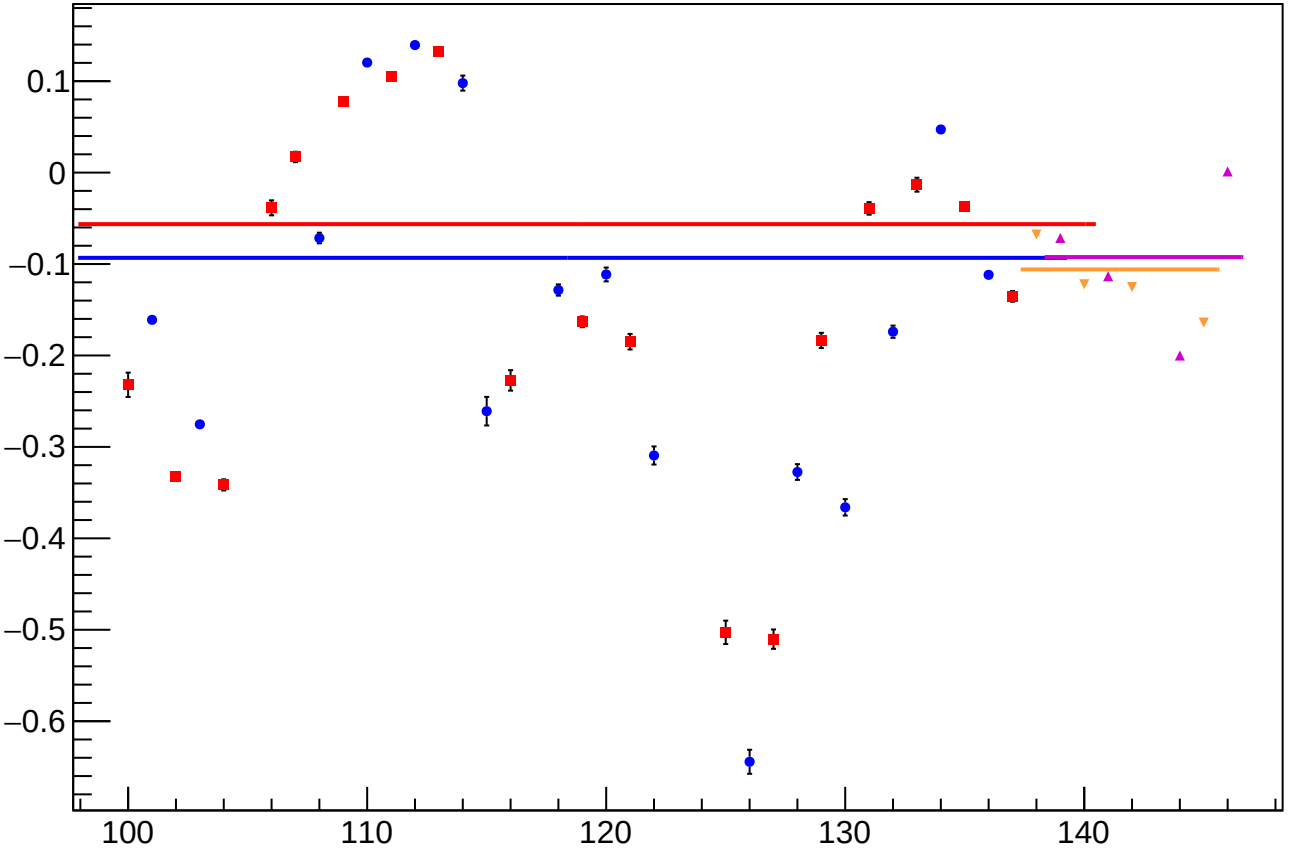
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: 0.060+/-0.020 χ^2/NDF:9902.3/19

Out: -0.187+/-0.020 χ^2/NDF:5502.8/21

All: -0.067+/-0.014 χ^2/NDF: 15479.9/41

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: -0.106+/-0.002 χ^2/NDF:381.6/3

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.092+/-0.002 χ^2/NDF:1193.4/3

Left: -0.099+/-0.001 χ^2/NDF: 1605.5/7

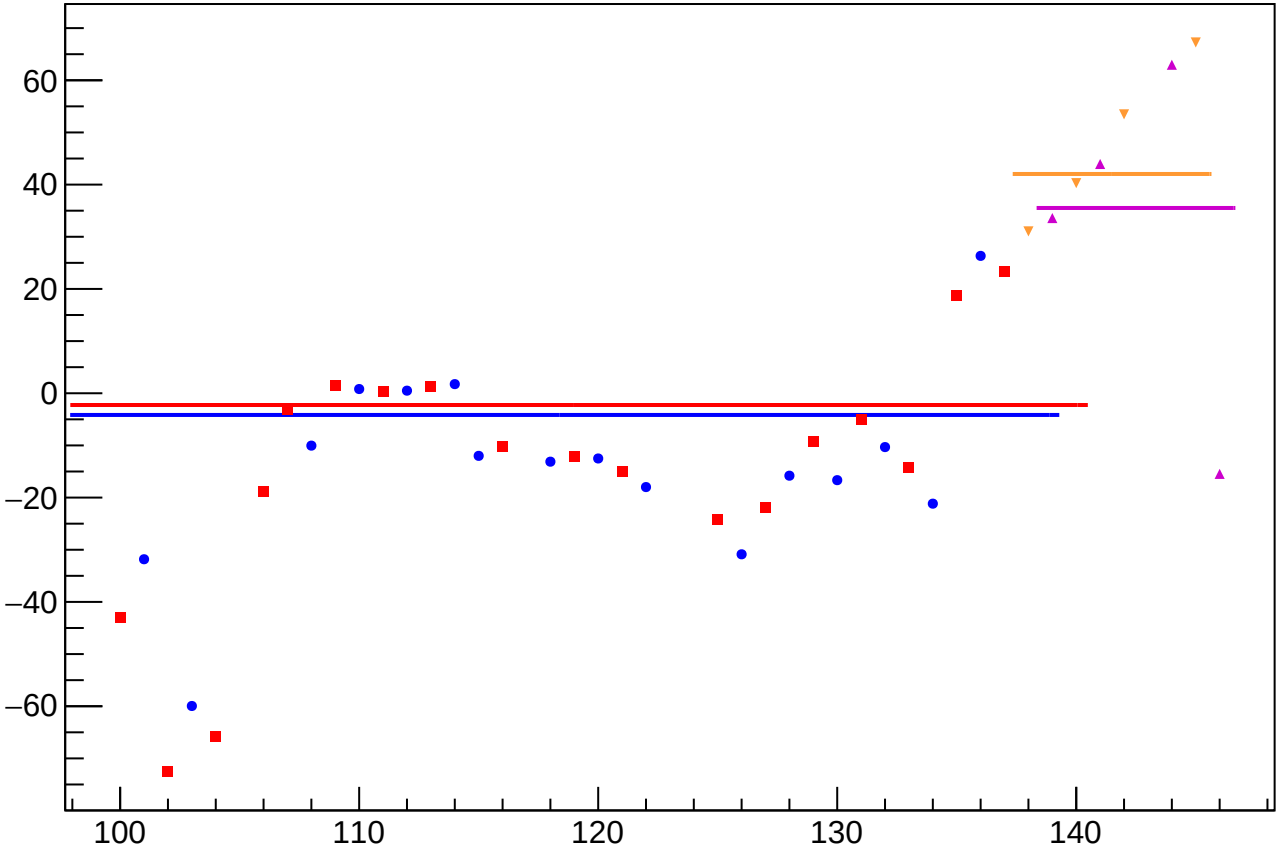
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.093+/-0.001 χ^2/NDF:12935.9/19

Out: -0.073+/-0.001 χ^2/NDF:15330.8/21

All: -0.083+/-0.001 χ^2/NDF: 28435.2/41

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 42.037+/-0.127 χ^2/NDF:9546.2/3

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 35.520+/-0.120 χ^2/NDF:36566.0/3

Left: 38.603+/-0.087 χ^2/NDF: 47495.6/7

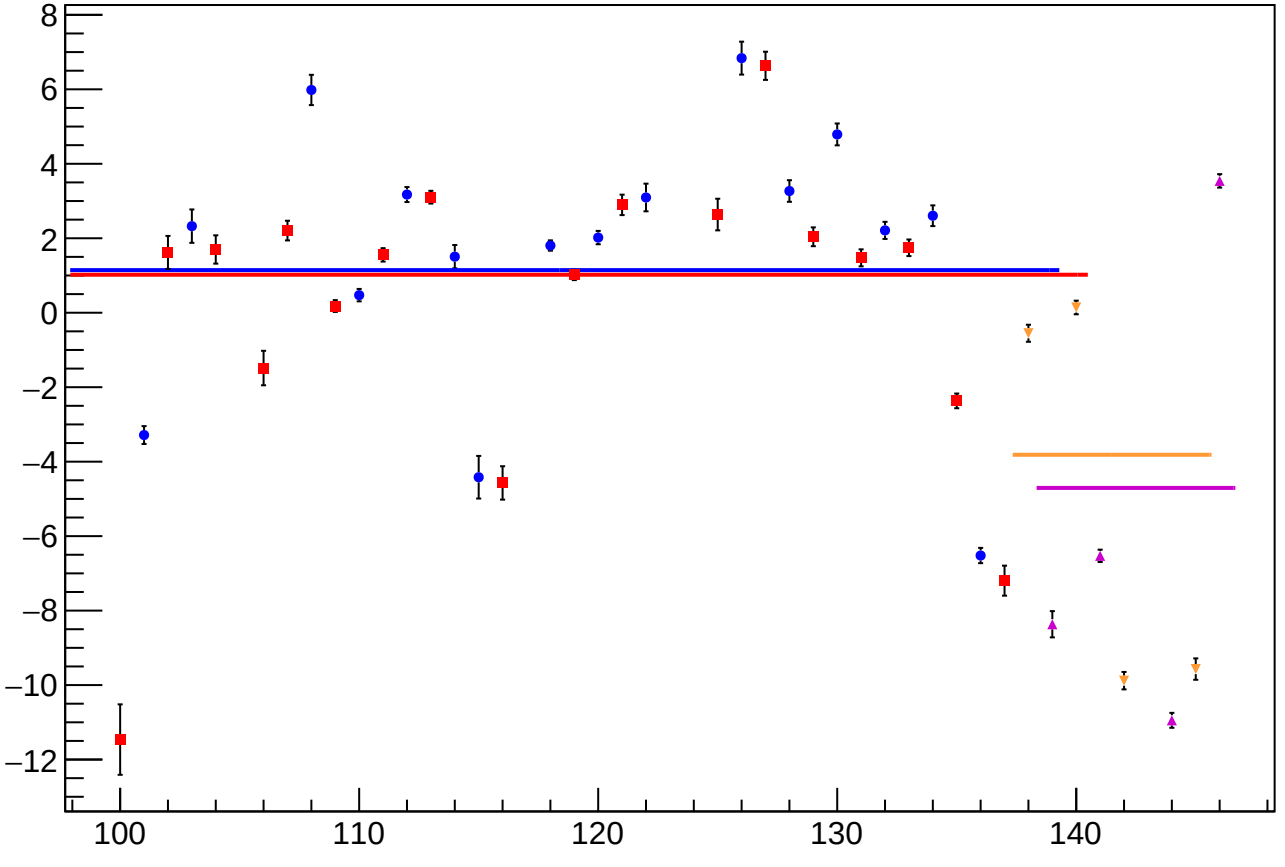
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 2.554+/-0.050 χ^2/NDF:202074.8/19

Out: 2.864+/-0.043 χ^2/NDF:196416.6/21

All: 2.730+/-0.033 χ^2/NDF: 398513.6/41

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: -3.815+/-0.112 χ^2/NDF:1743.7/3

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -4.705+/-0.100 χ^2/NDF:3266.5/3

Left: -4.311+/-0.075 χ^2/NDF: 5045.3/7

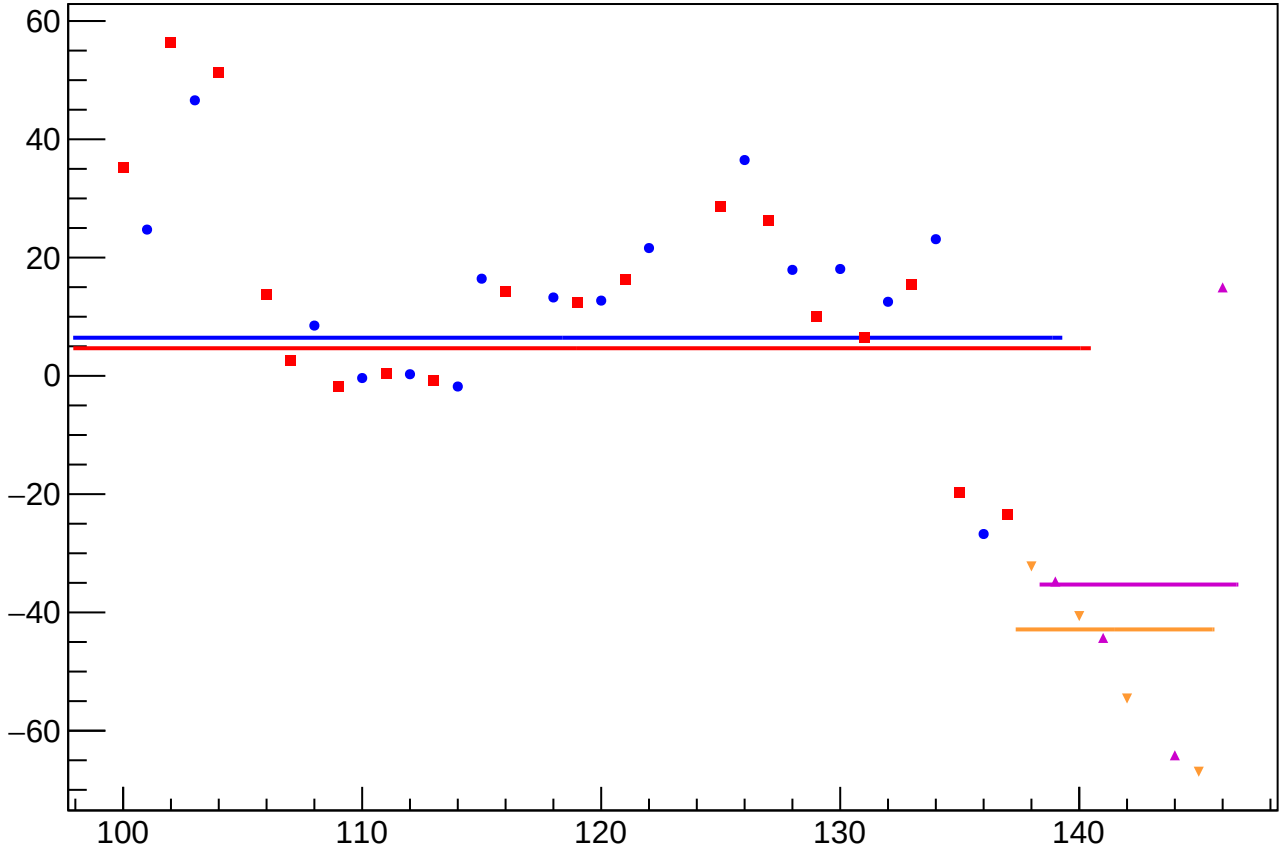
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: -0.407+/-0.052 χ^2/NDF:8372.2/19

Out: 0.026+/-0.051 χ^2/NDF:4808.0/21

All: -0.188+/-0.036 χ^2/NDF: 13216.0/41

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -42.875+/-0.132 χ^2/NDF:8411.8/3

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -35.285+/-0.123 χ^2/NDF:38593.0/3

Left: -38.827+/-0.090 χ^2/NDF: 48777.9/7

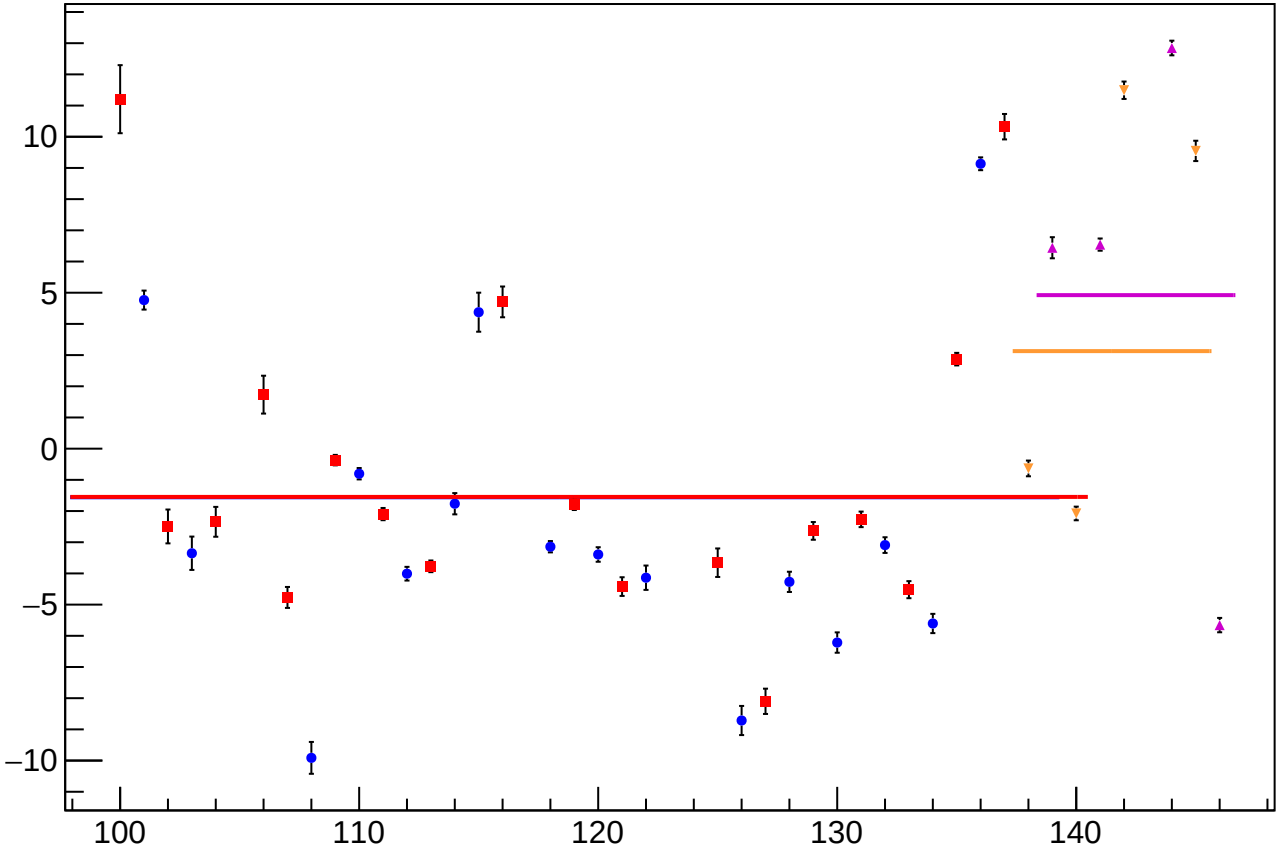
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -2.624+/-0.057 χ^2/NDF:199331.1/19

Out: -3.285+/-0.054 χ^2/NDF:191469.8/21

All: -2.976+/-0.039 χ^2/NDF: 390871.5/41

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: 3.127+/-0.130 χ^2/NDF:2076.1/3

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 4.922+/-0.118 χ^2/NDF:3329.4/3

Left: 4.113+/-0.088 χ^2/NDF: 5509.7/7

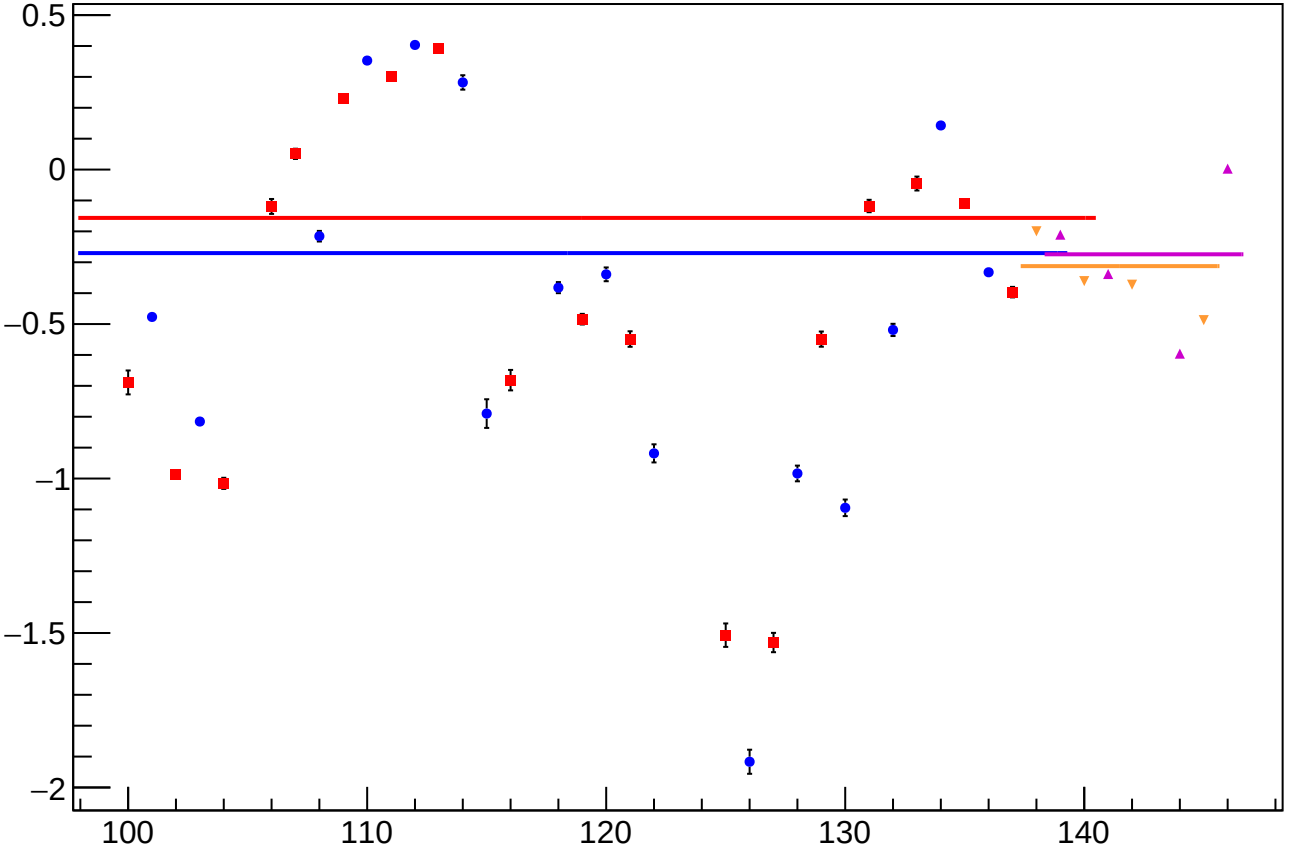
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: 0.099+/-0.060 χ^2/NDF:10113.2/19

Out: -0.627+/-0.058 χ^2/NDF:5579.8/21

All: -0.276+/-0.042 χ^2/NDF: 15769.2/41

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.313+/-0.005 χ^2/NDF:392.6/3

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.274+/-0.005 χ^2/NDF:1213.5/3

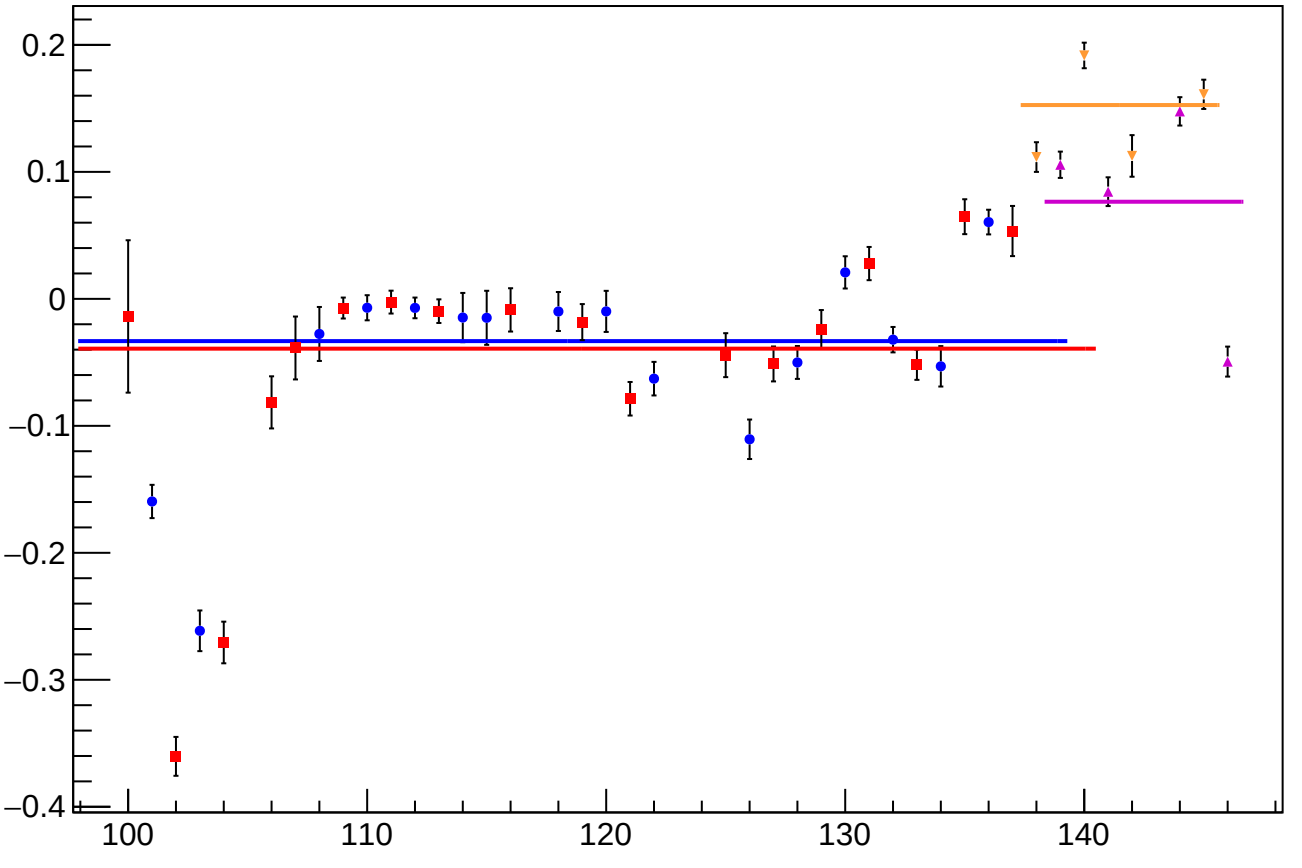
Left: -0.292+/-0.004 χ^2/NDF: 1634.3/7

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.272+/-0.003 χ^2/NDF:13310.7/19

Out: -0.209+/-0.003 χ^2/NDF:15991.7/21

All: -0.240+/-0.002 χ^2/NDF: 29507.7/41



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.153+/-0.006 χ^2/NDF:33.8/3

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.076+/-0.006 χ^2/NDF:162.7/3

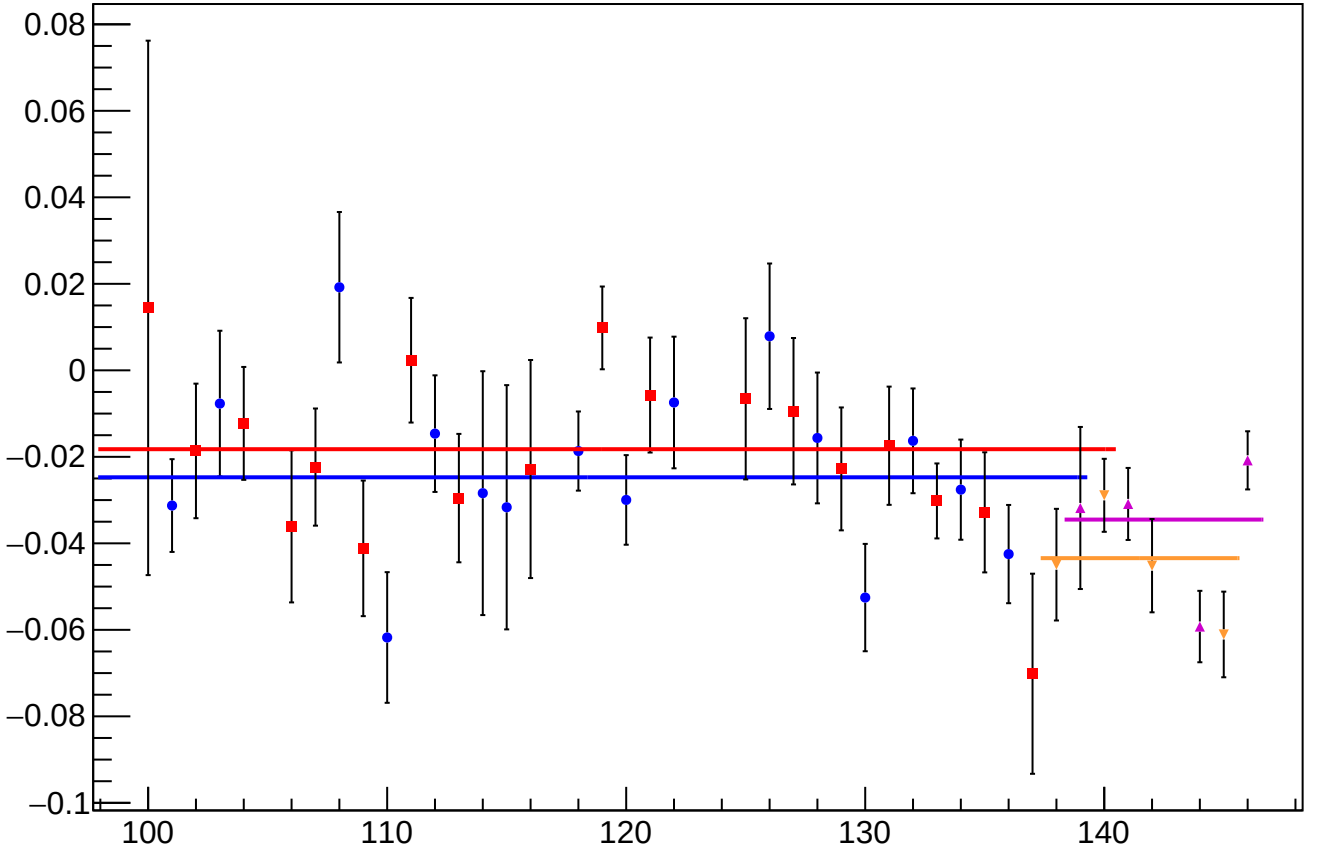
Left: 0.112+/-0.004 χ^2/NDF: 284.2/7

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.006+/-0.003 χ^2/NDF:917.9/19

Out: 0.004+/-0.003 χ^2/NDF:1654.2/21

All: -0.001+/-0.002 χ^2/NDF: 2577.9/41



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.043+/-0.005 χ^2/NDF:6.2/3

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.035+/-0.004 χ^2/NDF:13.3/3

Left: -0.038+/-0.003 χ^2/NDF: 21.3/7

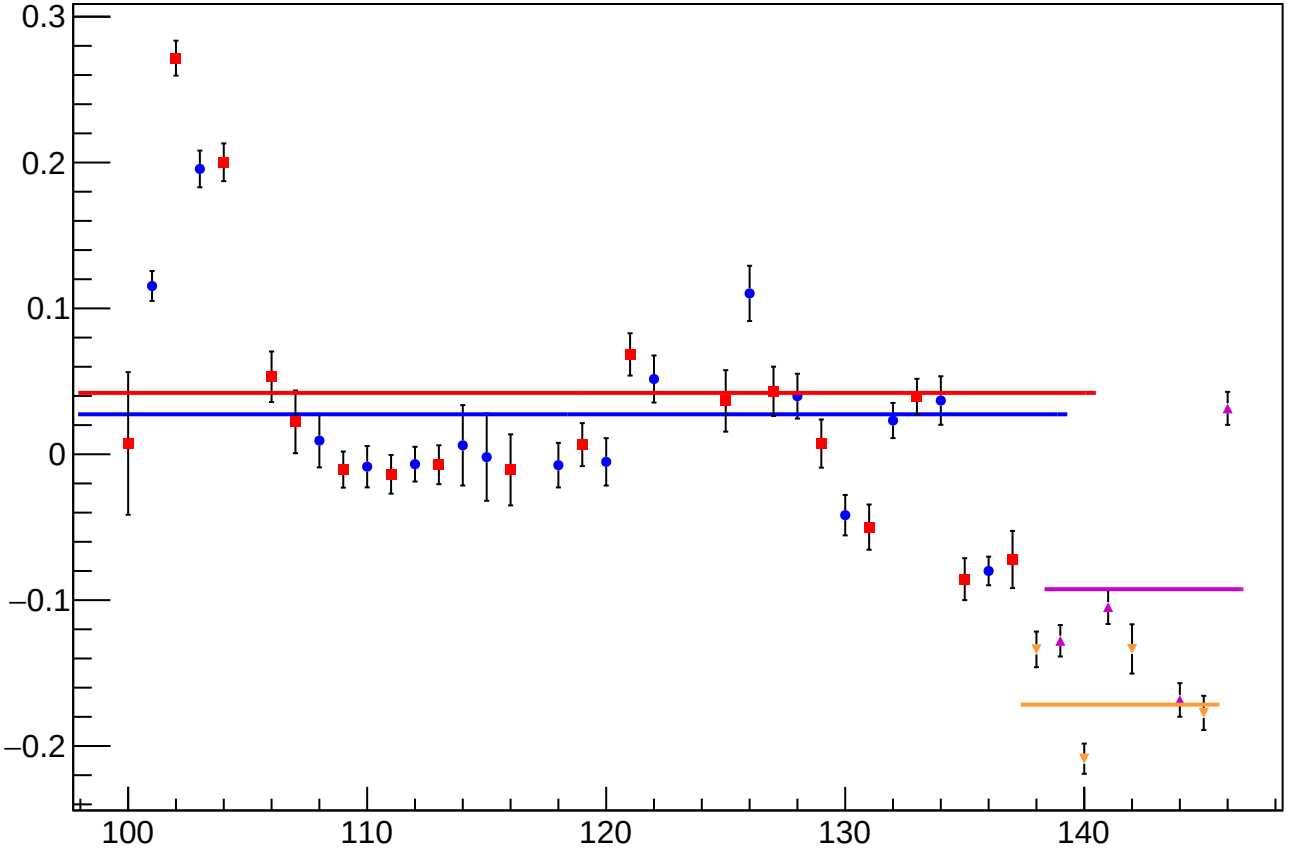
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.028+/-0.003 χ^2/NDF:45.1/19

Out: -0.026+/-0.003 χ^2/NDF:47.9/21

All: -0.027+/-0.002 χ^2/NDF: 93.4/41

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: -0.172+/-0.006 χ^2/NDF:27.8/3

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.092+/-0.006 χ^2/NDF:175.5/3

Left: -0.129+/-0.004 χ^2/NDF: 293.7/7

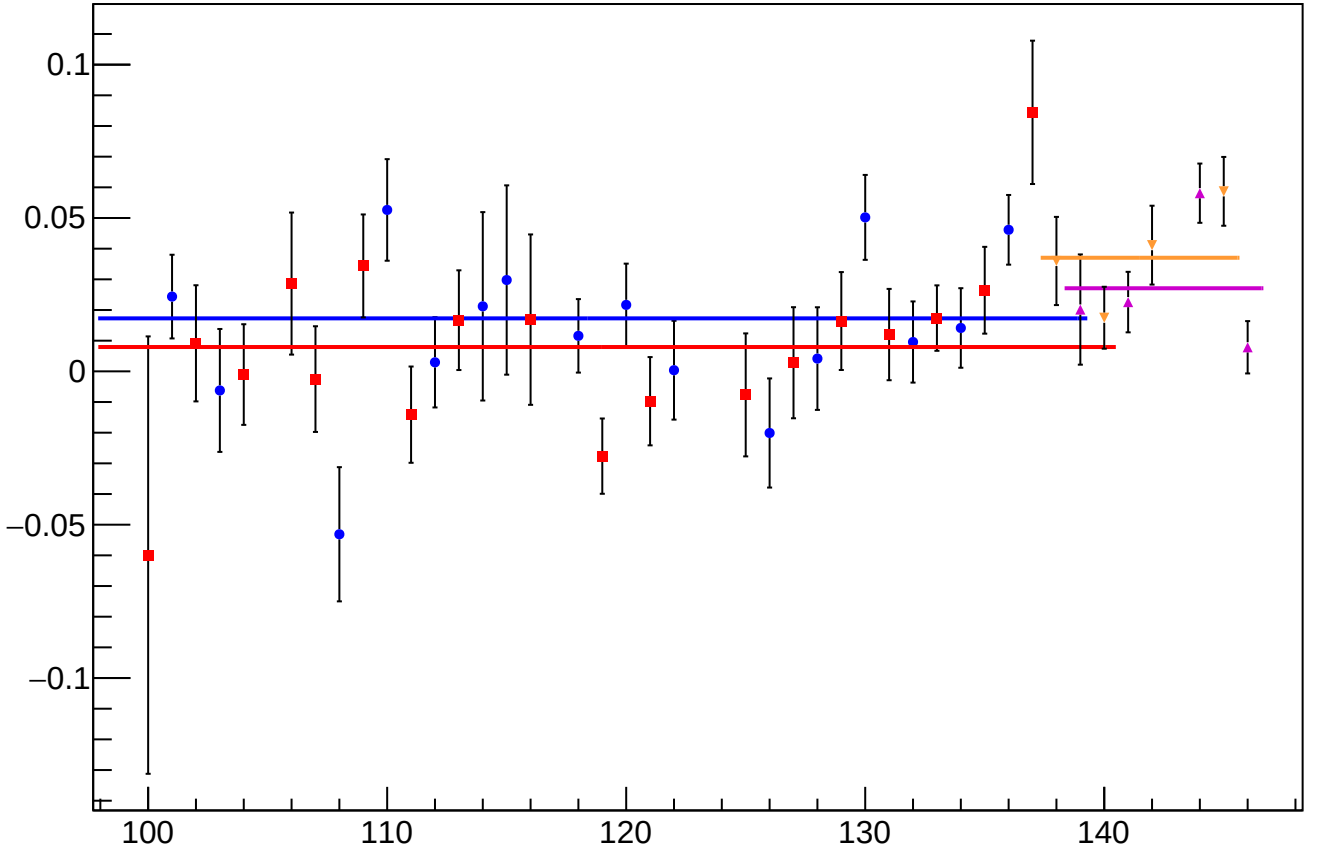
Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.007+/-0.003 χ^2/NDF:943.4/19

Out: -0.014+/-0.003 χ^2/NDF:1664.0/21

All: -0.010+/-0.002 χ^2/NDF: 2609.9/41

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.037+/-0.006 χ^2/NDF:7.6/3

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.027+/-0.005 χ^2/NDF:15.7/3

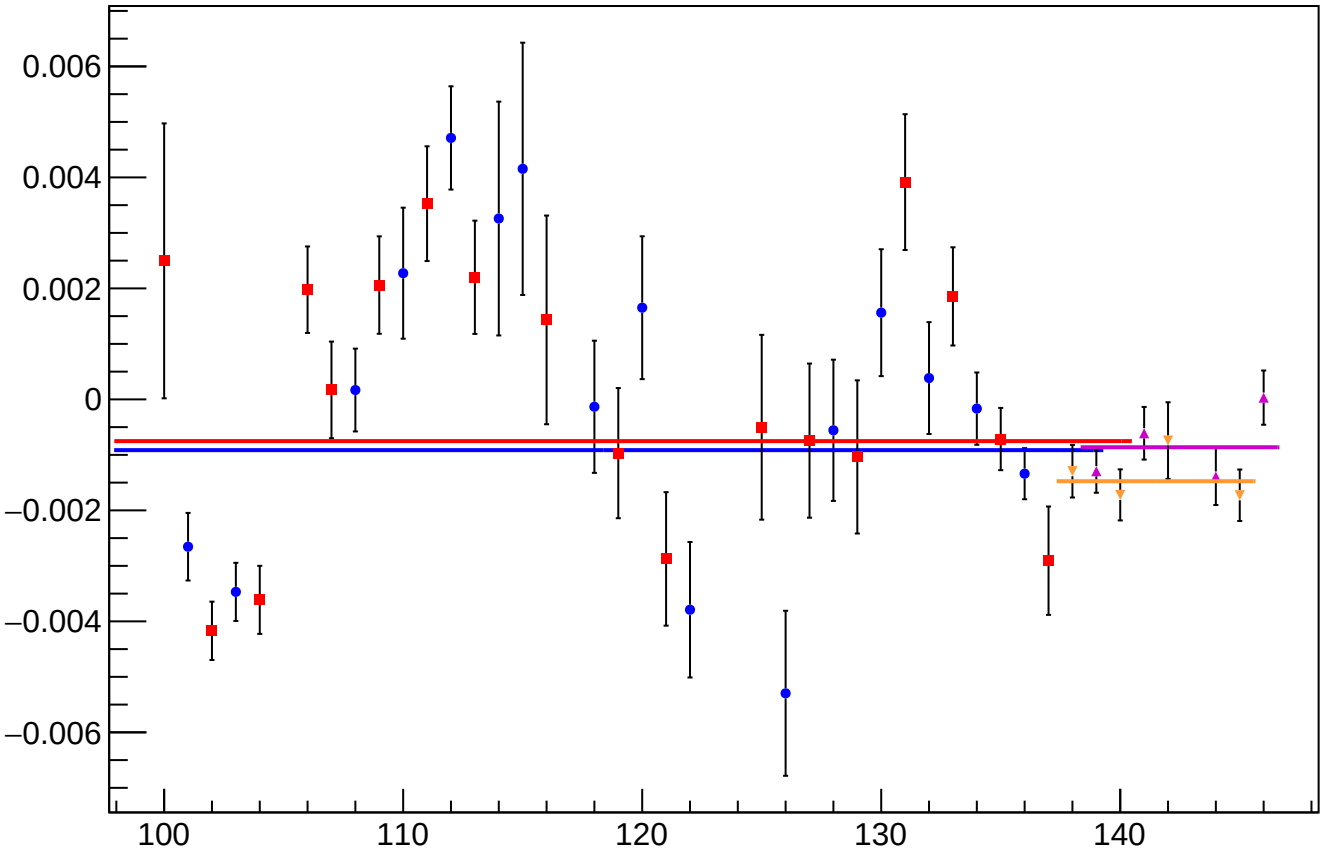
Left: 0.031+/-0.004 χ^2/NDF: 24.9/7

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.021+/-0.003 χ^2/NDF:54.7/19

Out: 0.017+/-0.003 χ^2/NDF:55.9/21

All: 0.019+/-0.002 χ^2/NDF: 111.4/41



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:1.9/3

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.001+/-0.000 χ^2/NDF:5.9/3

Left: -0.001+/-0.000 χ^2/NDF: 11.0/7

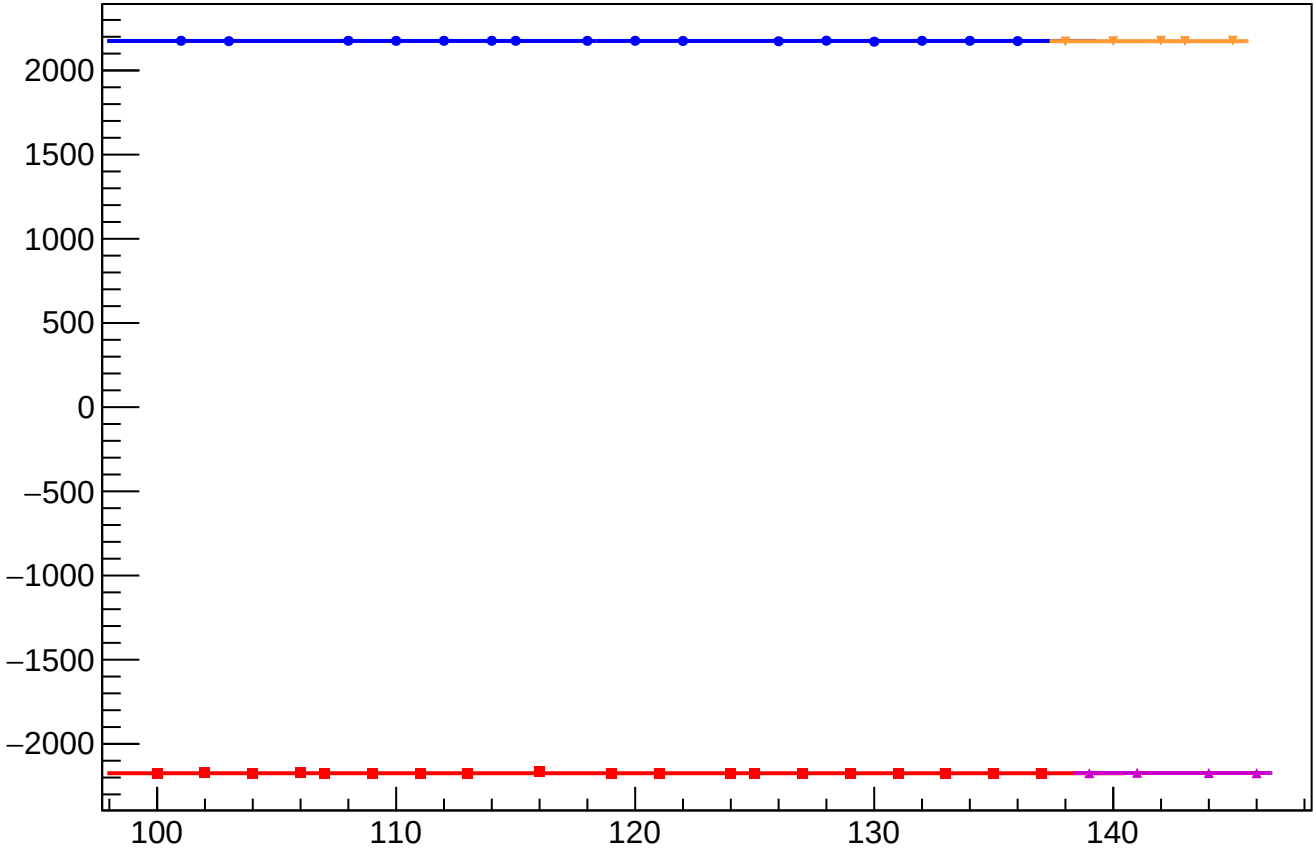
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:120.0/19

Out: -0.001+/-0.000 χ^2/NDF:154.3/21

All: -0.001+/-0.000 χ^2/NDF: 274.8/41

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.003+/-0.000 χ^2/NDF:10245289551869720032139007586467 84.0/4

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2172.976+/-0.000 χ^2/NDF:357047579052365978236990466818048.0/3

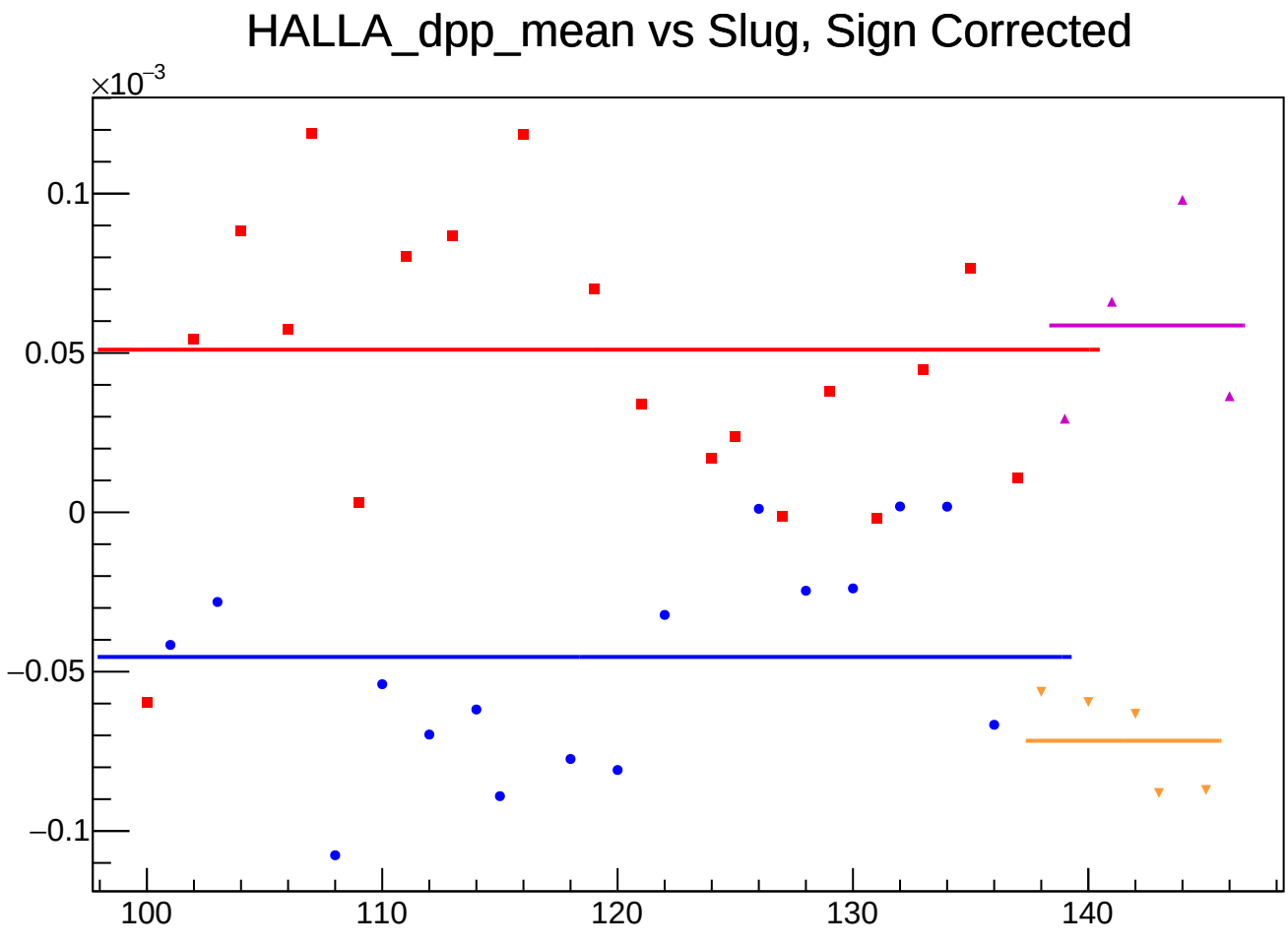
Left: 50.110+/-0.000 χ^2/NDF: 3517591632665895

Right: -31.373+/-0.000 χ^2/NDF: 711179104907611

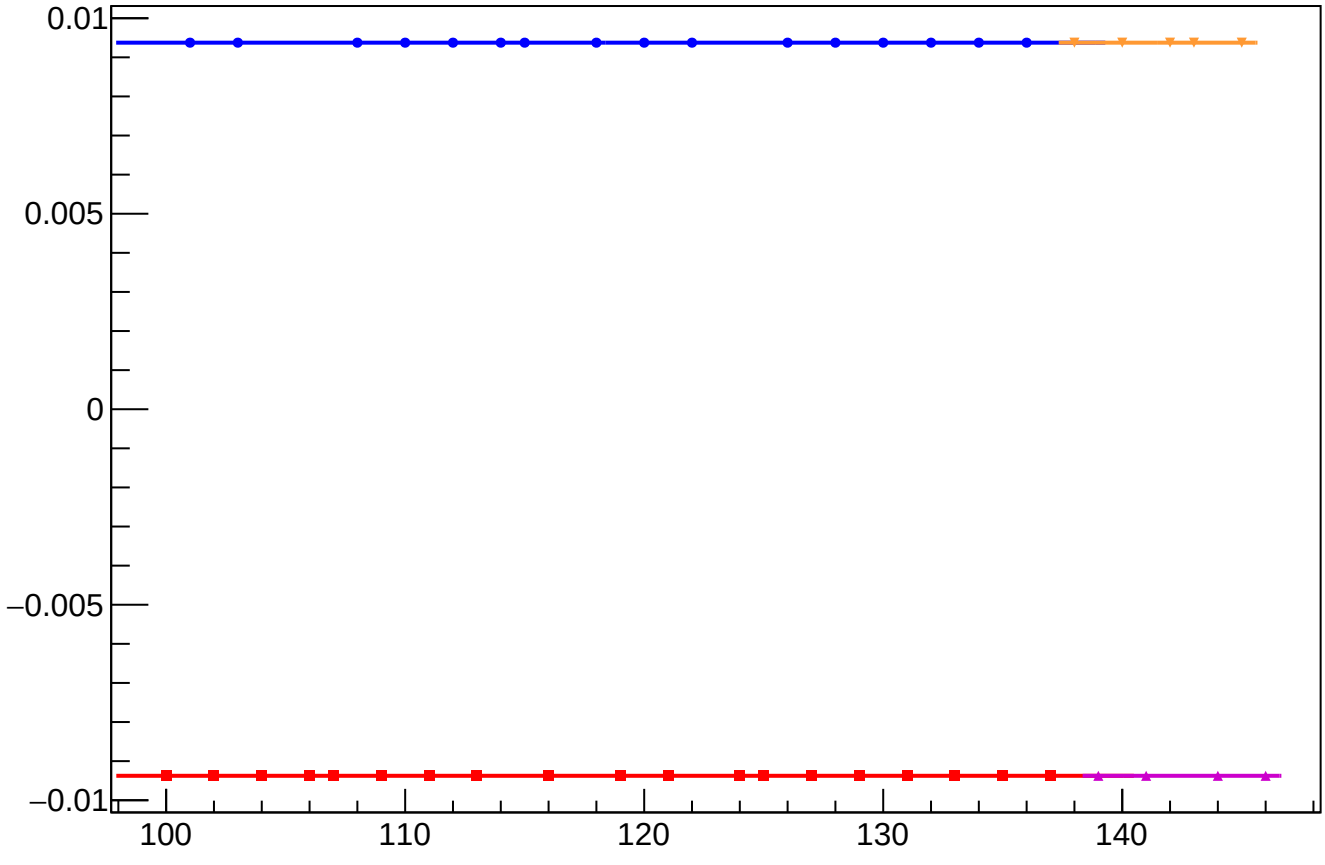
In: 742.860+/-0.000 χ^2/NDF:46150023025056600

Out: -726.148+/-0.000 χ^2/NDF:480472507879758

All: -4.381+/-0.000 χ^2/NDF: 1063269057906


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:7784035614143841881292 8.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532 80.0/18
Left In: 0.000+/-0.000 χ²/NDF:2709440675244375613112 32.0/3
Left: -0.000+/-0.000 χ²/NDF: 350977238730722 58
Right: 0.000+/-0.000 χ²/NDF: 521935687334018 49
In: -0.000+/-0.000 χ²/NDF:3625029502577940 54
Out: 0.000+/-0.000 χ²/NDF:4915831208951622 06
All: -0.000+/-0.000 χ²/NDF: 879543416660 7

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:0.0/4

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/3

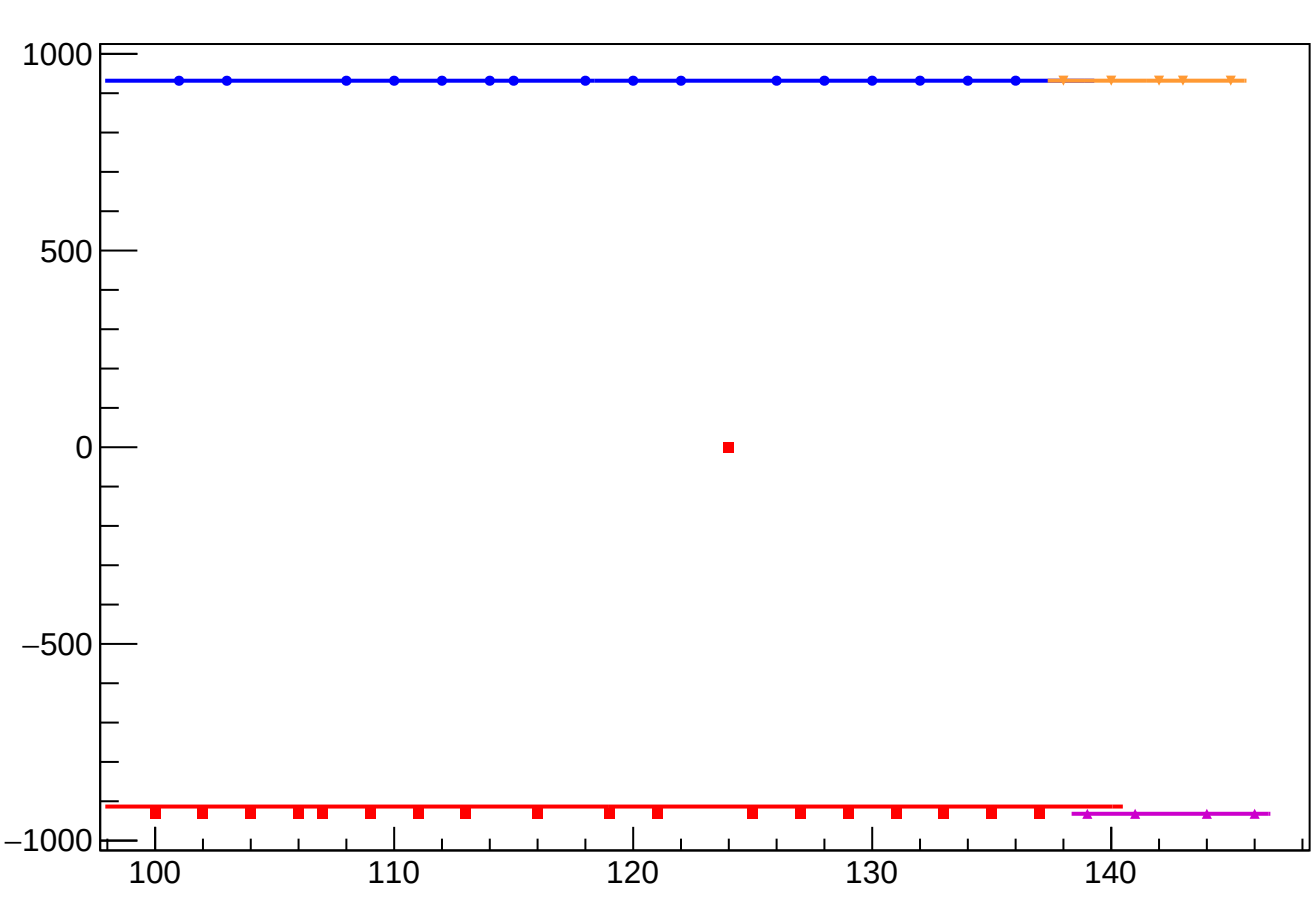
Left: 0.000+/-0.000 χ^2/NDF: 654444211409393828

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.003+/-0.000 χ^2/NDF:858143382352939588

Out: -0.003+/-0.000 χ^2/NDF:89335903354457896

All: -0.000+/-0.000 χ^2/NDF: 1976650386282



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.865+/-0.000 χ^2/NDF:954407444165110595766636833792.0/4

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.839+/-0.000 χ^2/NDF:10094928413085274929815711907840.0/3

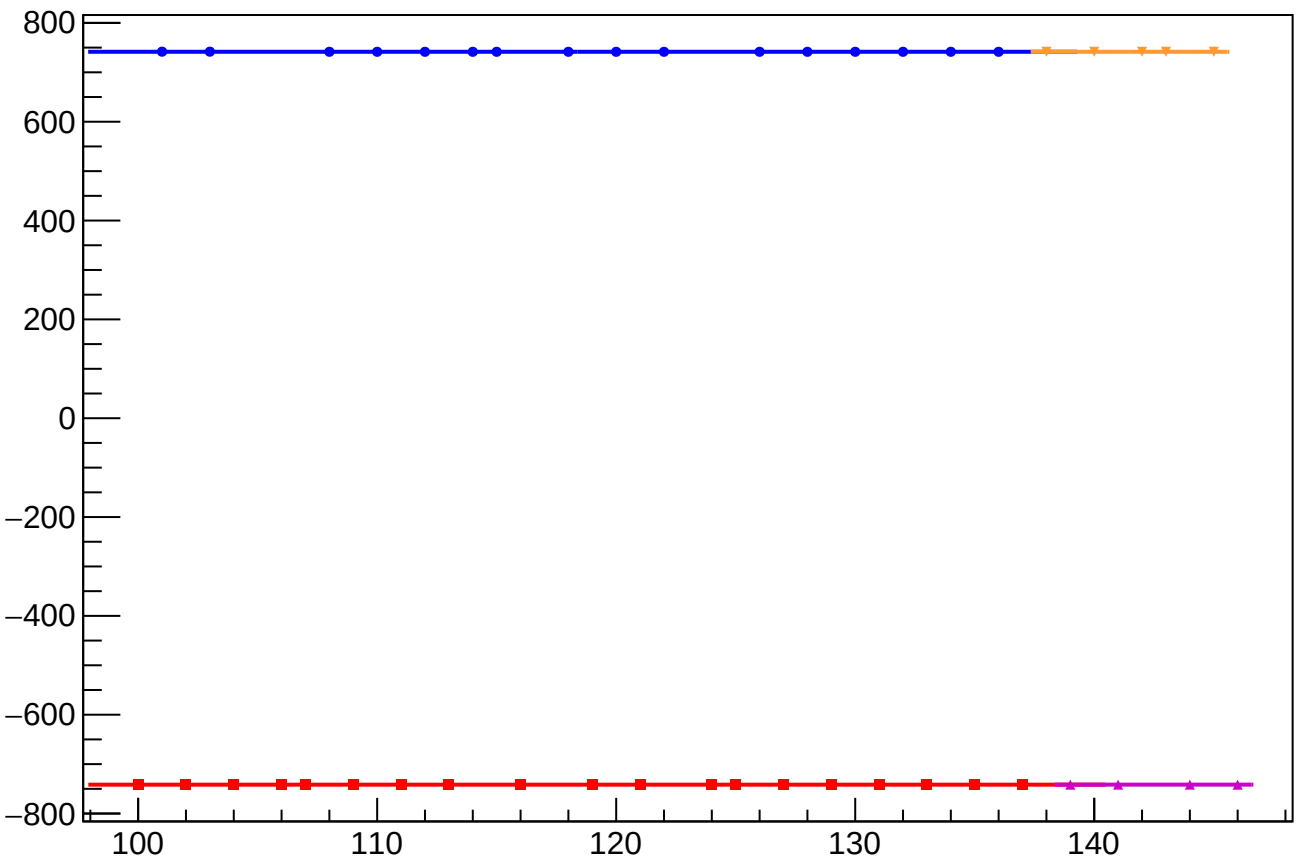
Left: 21.277+/-0.000 χ^2/NDF: 64658251700936903

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: 317.875+/-0.000 χ^2/NDF:84774750841286209

Out: -298.881+/-0.000 χ^2/NDF:878058582761720

All: 4.149+/-0.000 χ^2/NDF: 19396144312140



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.527+/-0.000 χ^2/NDF:123862746165827244179545128 96.0/4

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

Left In: -741.528+/-0.000 χ^2/NDF:553424996518344192774950092 8.0/3

Left: 16.920+/-0.000 χ^2/NDF: 4094346110724839

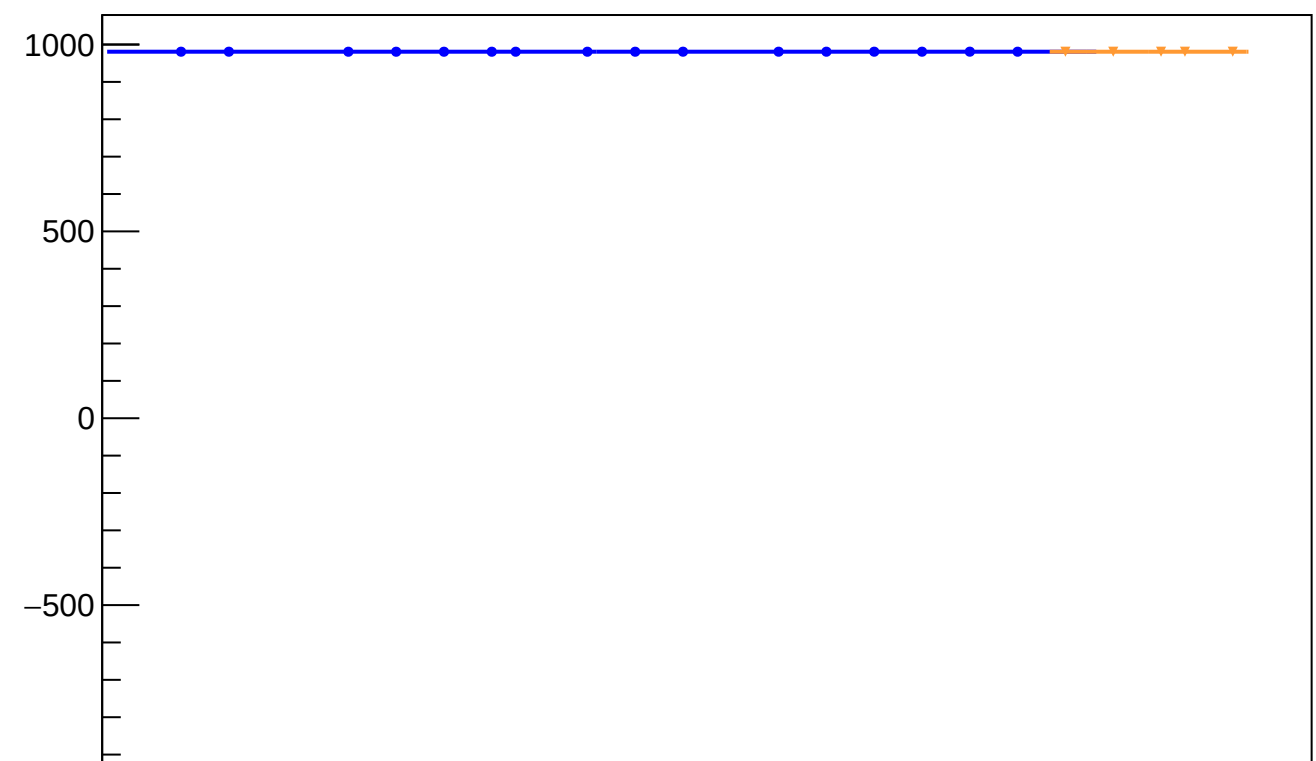
Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: 253.019+/-0.000 χ^2/NDF:5369035802072409

Out: -247.641+/-0.000 χ^2/NDF:558941767460876

All: -1.652+/-0.000 χ^2/NDF: 1236736971058

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.764+/-0.000 χ^2/NDF:3521128462250947608544542720.0/4

Right Out: -980.725+/-0.000 χ^2/NDF: 56040205617358336221662876270592.0/18

Left In: -980.786+/-0.000 χ^2/NDF:561444028599280364896636633088.0/3

Left: 22.369+/-0.000 χ^2/NDF: 71625661093813227

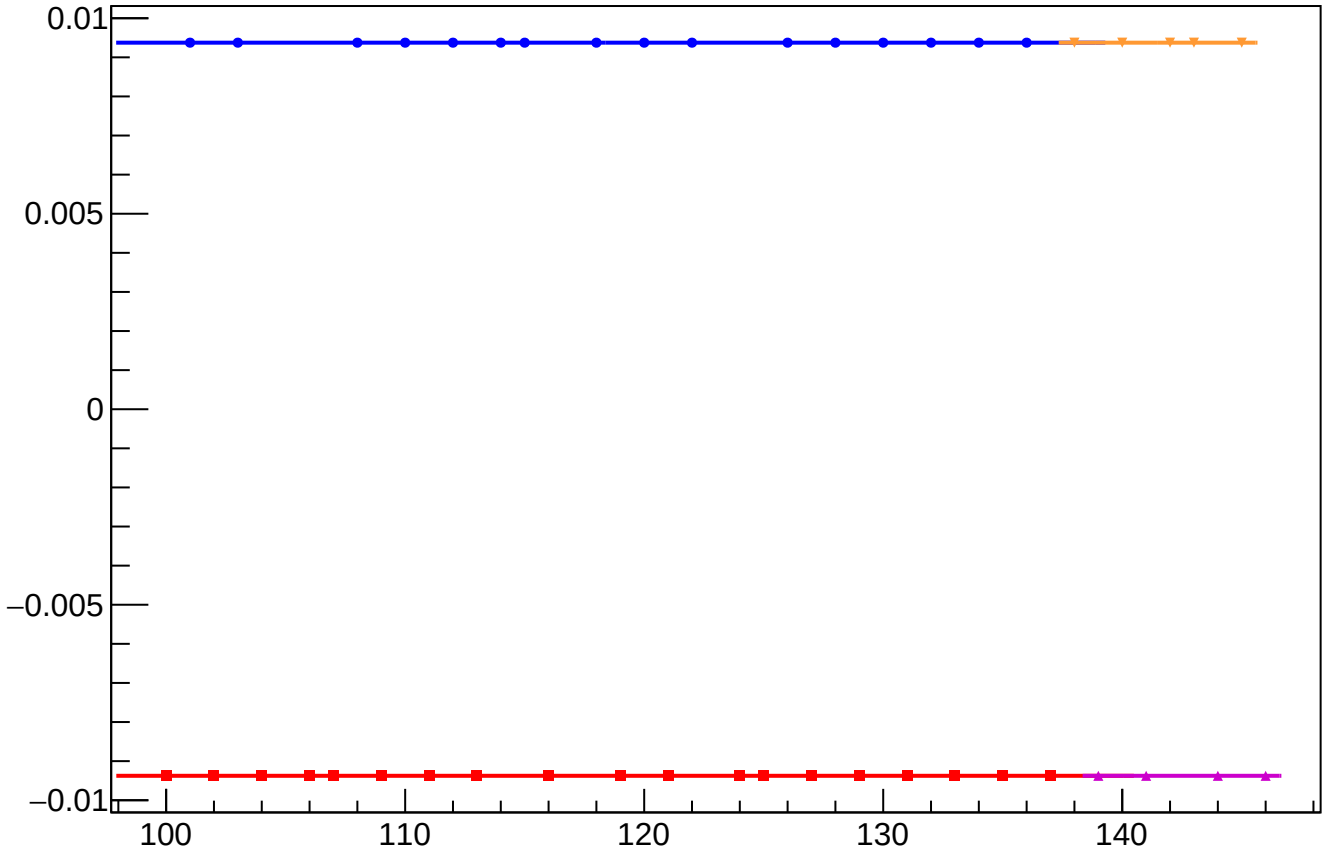
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: 334.633+/-0.000 χ^2/NDF:93923387346494700

Out: -327.467+/-0.000 χ^2/NDF:977675928942272

All: -2.158+/-0.000 χ^2/NDF: 2163312763147

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:0.0/4

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/3

Left: 0.000+/-0.000 χ^2/NDF: 654444211409393828

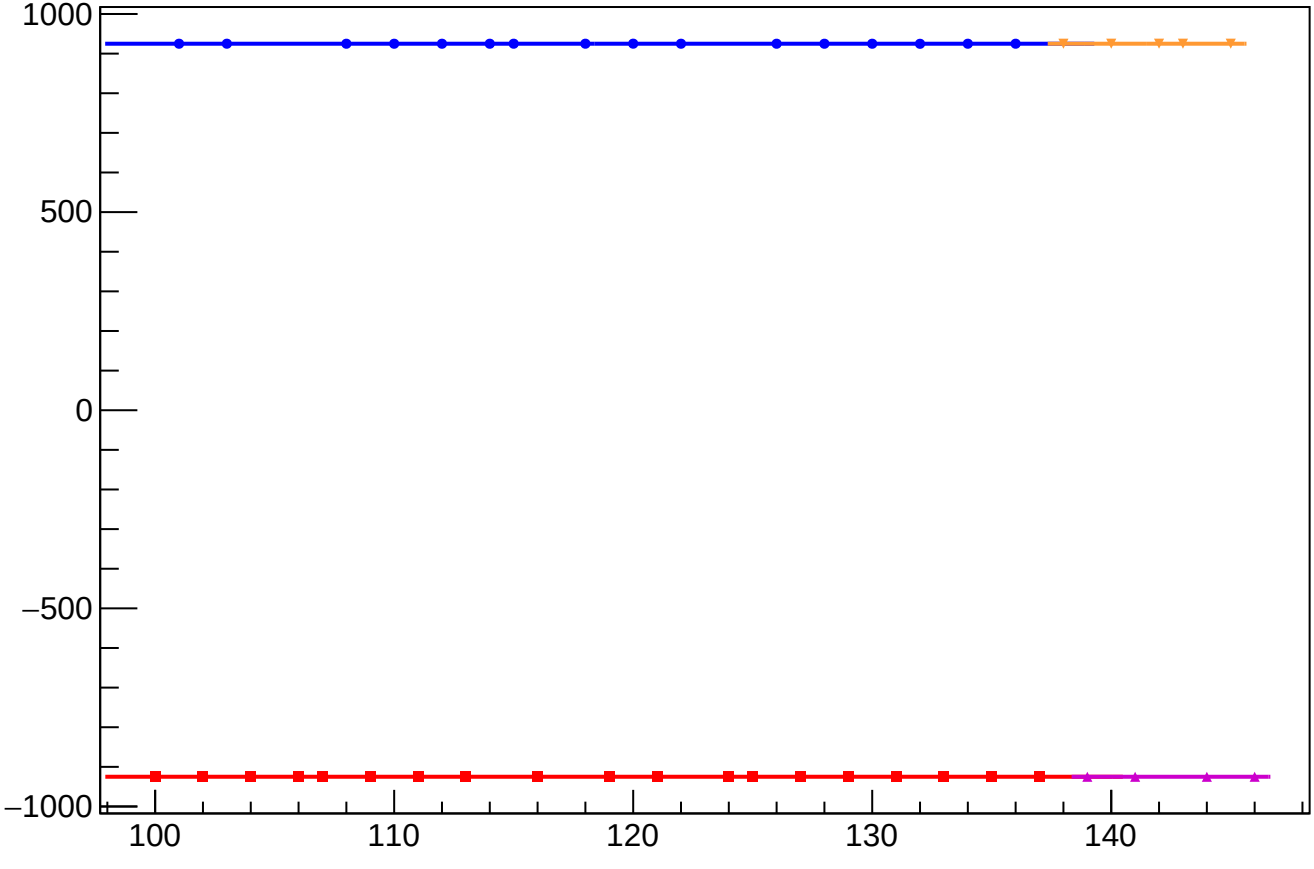
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.003+/-0.000 χ^2/NDF:858143382352939588

Out: -0.003+/-0.000 χ^2/NDF:89335903354457896

All: -0.000+/-0.000 χ^2/NDF: 1976650386282

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.991+/-0.000 χ^2/NDF:126931852570878267114938957824.0/4

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.997+/-0.000 χ^2/NDF:131964028886600929942647603200.0/3

Left: 21.104+/-0.000 χ^2/NDF: 6371001112620567

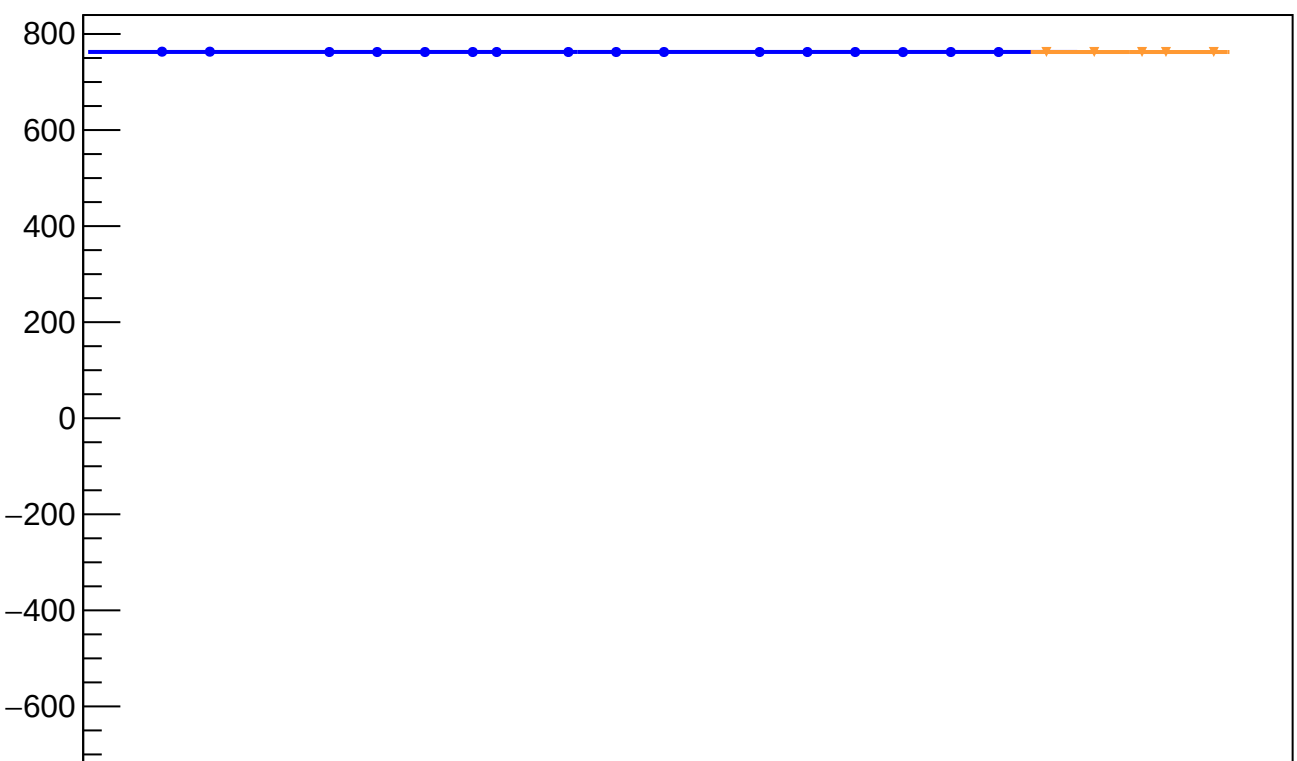
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: 315.567+/-0.000 χ^2/NDF:8353785497754904

Out: -308.858+/-0.000 χ^2/NDF:869661983112838

All: -2.060+/-0.000 χ^2/NDF: 192419943663

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.489+/-0.000 χ^2/NDF:1434655491817232763288603852 8.0/4

Right Out: -762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

Left In: -762.494+/-0.000 χ^2/NDF:30663804989107101177051348992.0/3

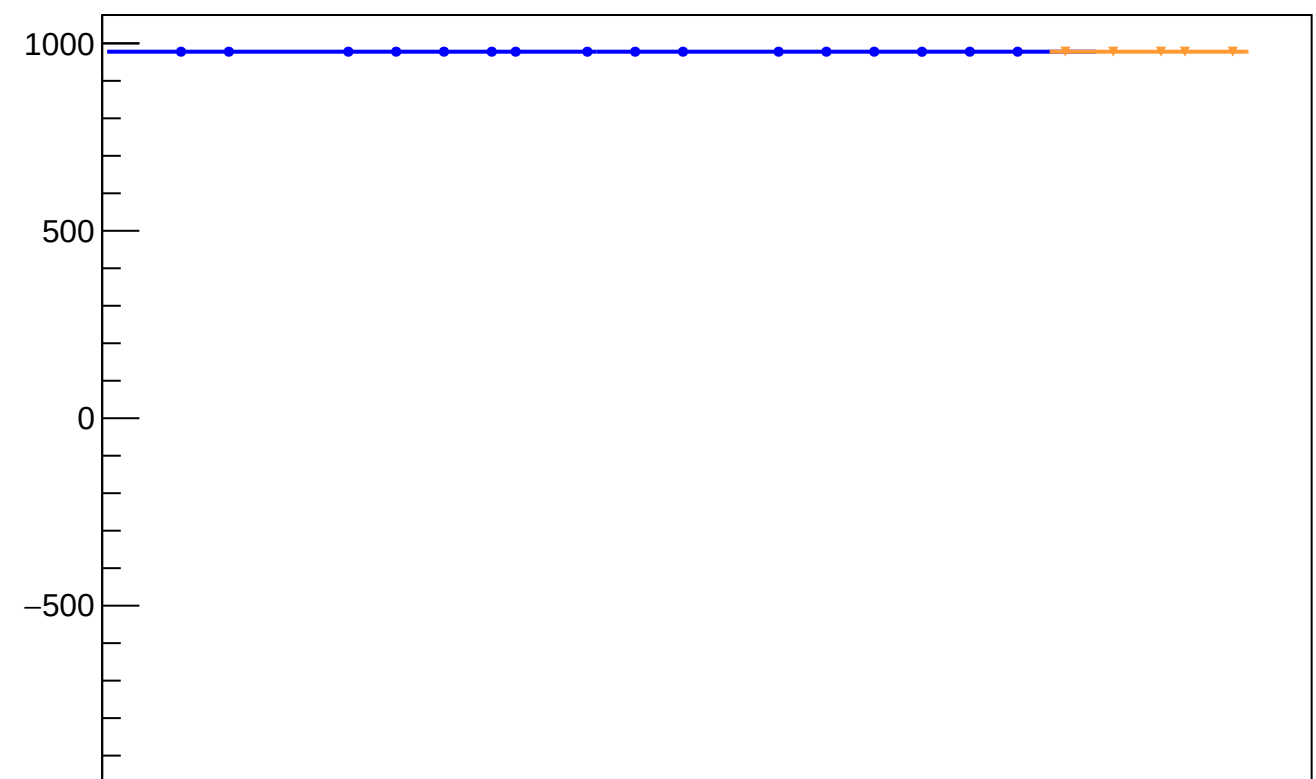
Left: 17.397+/-0.000 χ^2/NDF: 43291228198165962

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: 260.223+/-0.000 χ^2/NDF:56774912403460181

Out: -254.693+/-0.000 χ^2/NDF:591049956287423

All: -1.700+/-0.000 χ^2/NDF: 1307828814450



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Left Out: 977.776+/-0.000 χ^2/NDF:39503642765172996655303937228 8.0/4

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: -977.766+/-0.000 χ^2/NDF:61082378111619413072892500377 6.0/3

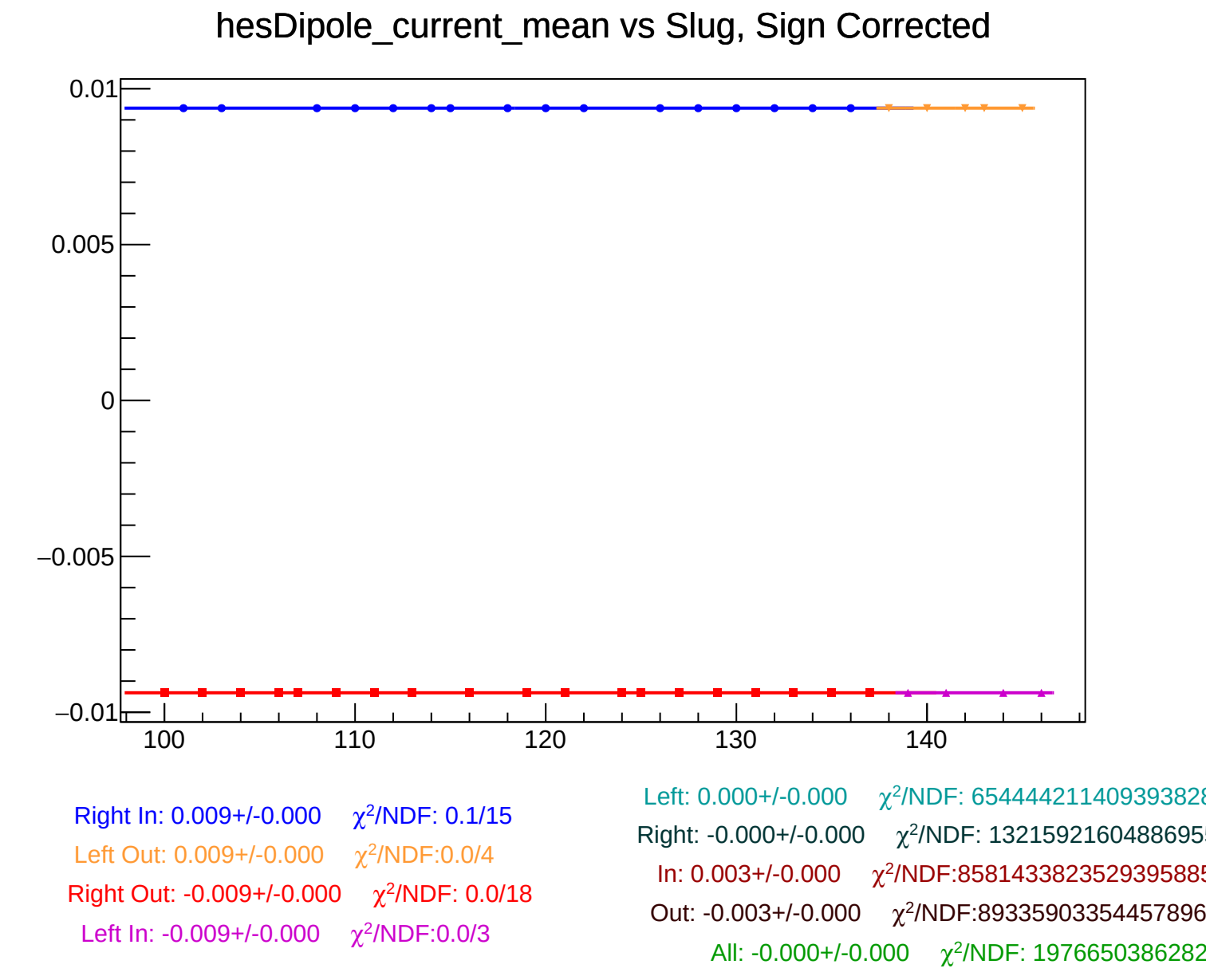
Left: 22.317+/-0.000 χ^2/NDF: 7118758904881307

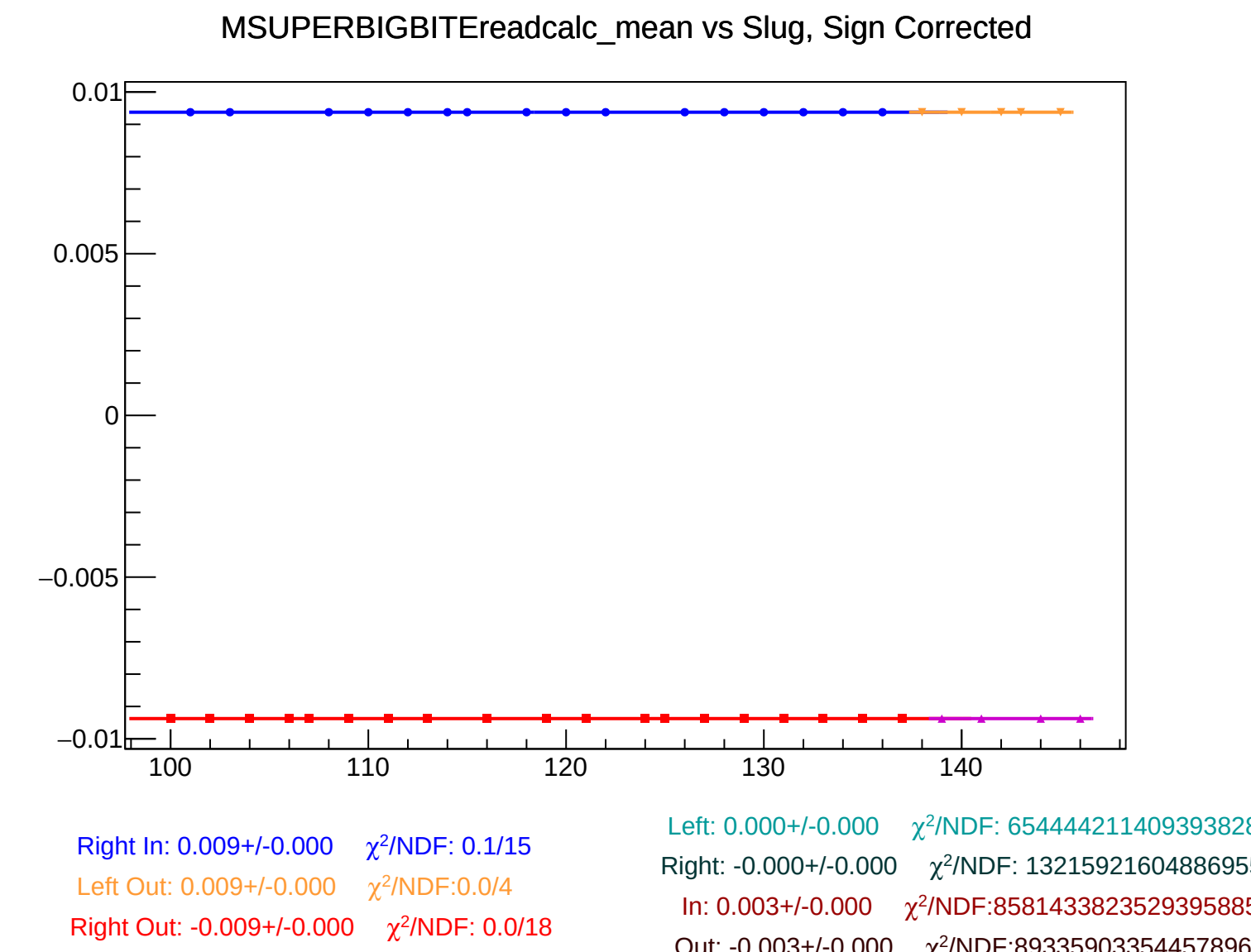
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: 333.580+/-0.000 χ^2/NDF:93342524212480439

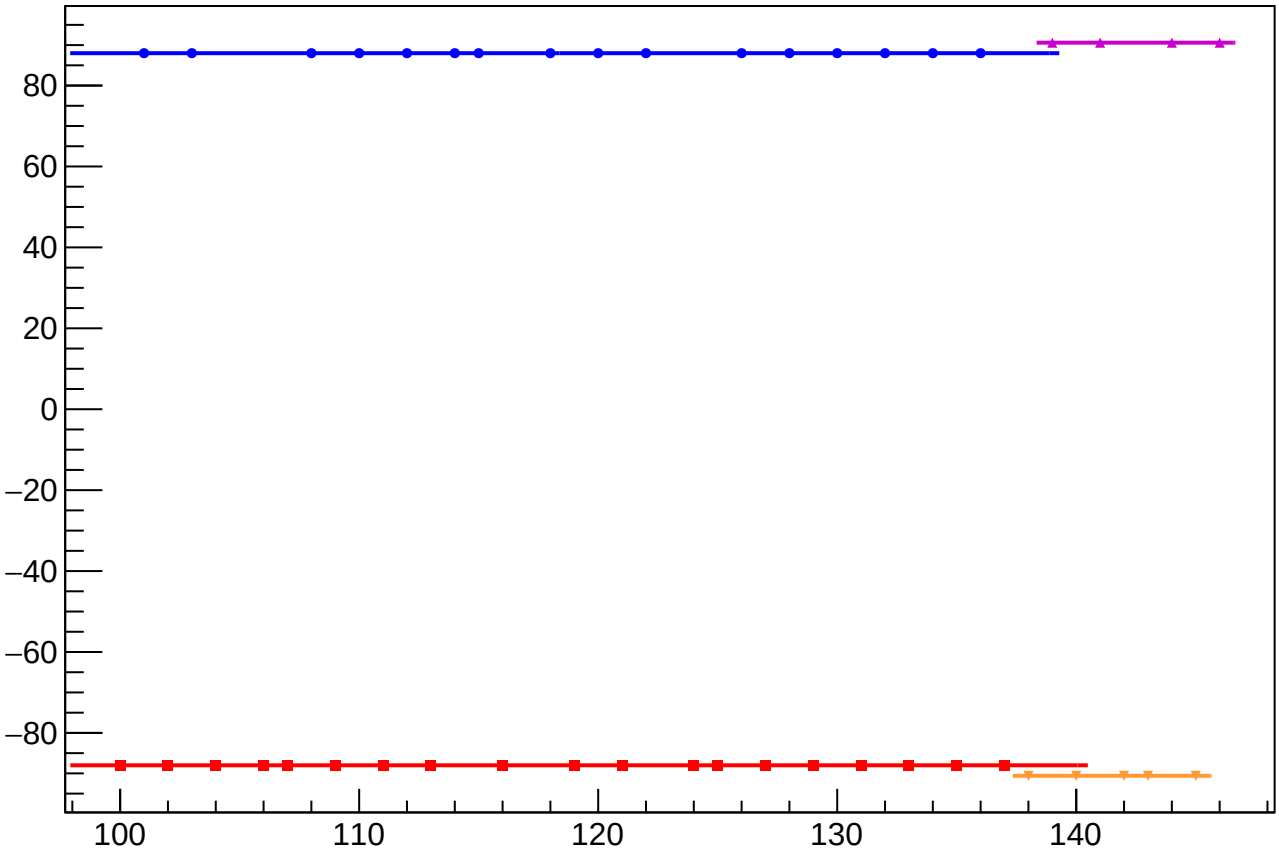
Out: -326.476+/-0.000 χ^2/NDF:971738804893934

All: -2.171+/-0.000 χ^2/NDF: 2150047713603


hesDipole_current_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/4
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/3
Left: 0.000+/-0.000 χ²/NDF: 654444211409393828
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.003+/-0.000 χ²/NDF:858143382352939588
Out: -0.003+/-0.000 χ²/NDF:89335903354457896
All: -0.000+/-0.000 χ²/NDF: 1976650386282


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/4
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/3
Left: 0.000+/-0.000 χ²/NDF: 654444211409393828
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.003+/-0.000 χ²/NDF:858143382352939588
Out: -0.003+/-0.000 χ²/NDF:89335903354457896
All: -0.000+/-0.000 χ²/NDF: 1976650386282

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:2526980.2/4

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:964707.5/3

Left: -2.067+/-0.000 χ^2/NDF: 61119491495311932

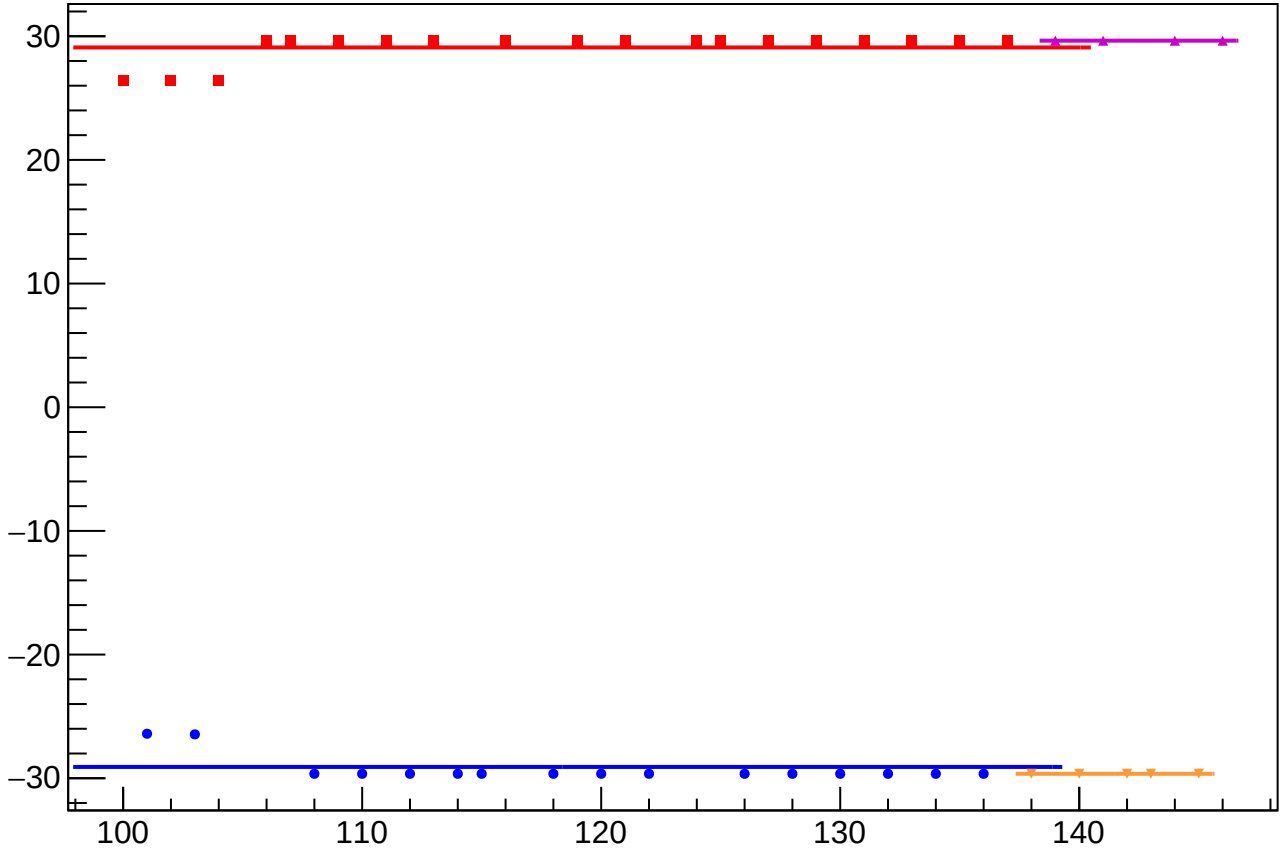
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 88.857+/-0.000 χ^2/NDF:164829177976418598

Out: -88.868+/-0.000 χ^2/NDF:1712437271530696

All: -1.547+/-0.000 χ^2/NDF: 1775727912070

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:149000.0/4

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:36514.8/3

Left: -0.676+/-0.000 χ^2/NDF: 65419478999966623

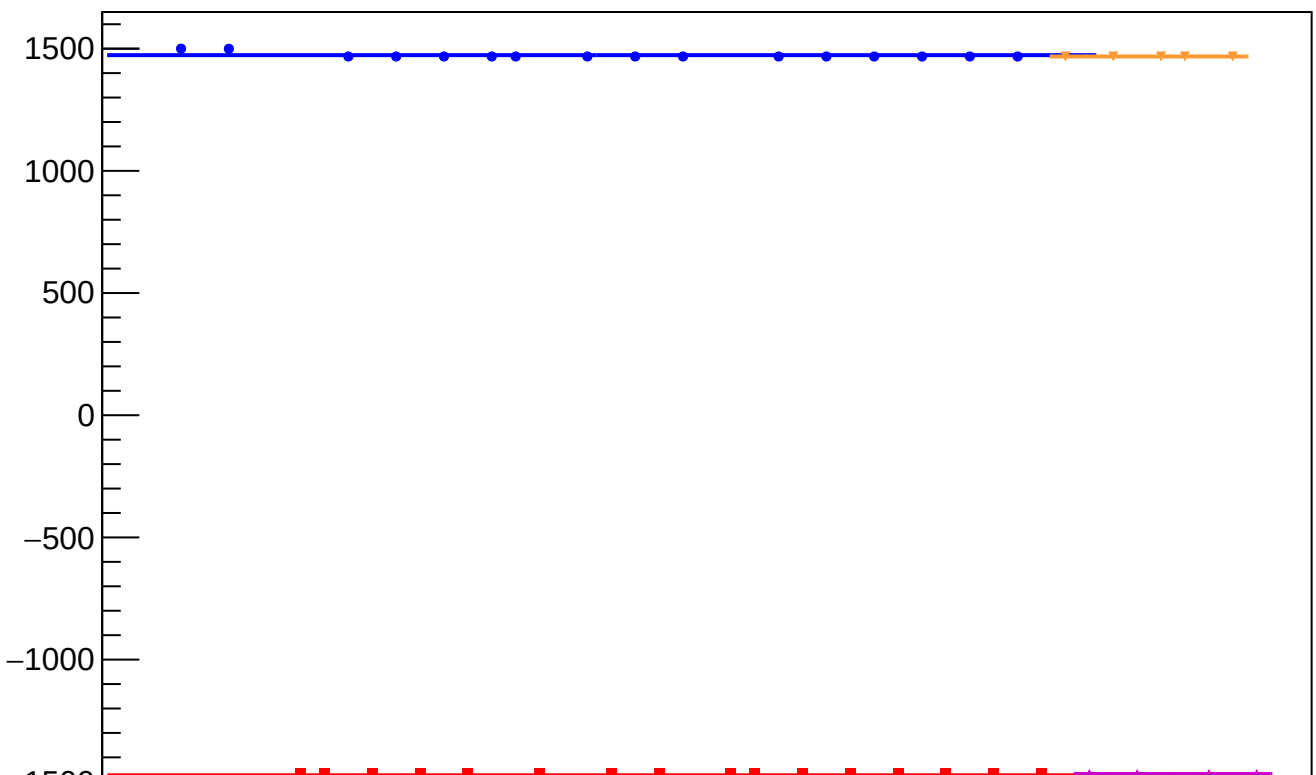
Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: -9.740+/-0.000 χ^2/NDF:842915207669872228

Out: 9.532+/-0.000 χ^2/NDF:87771631383556493

All: 0.063+/-0.000 χ^2/NDF: 19294045667891

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477 1584.0/15

Left Out: 1467.979+/-0.000 χ^2/NDF:209690285.3/4

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.979+/-0.000 χ^2/NDF:85768289.8/3

Left: 33.498+/-0.000 χ^2/NDF: 16046116437862029

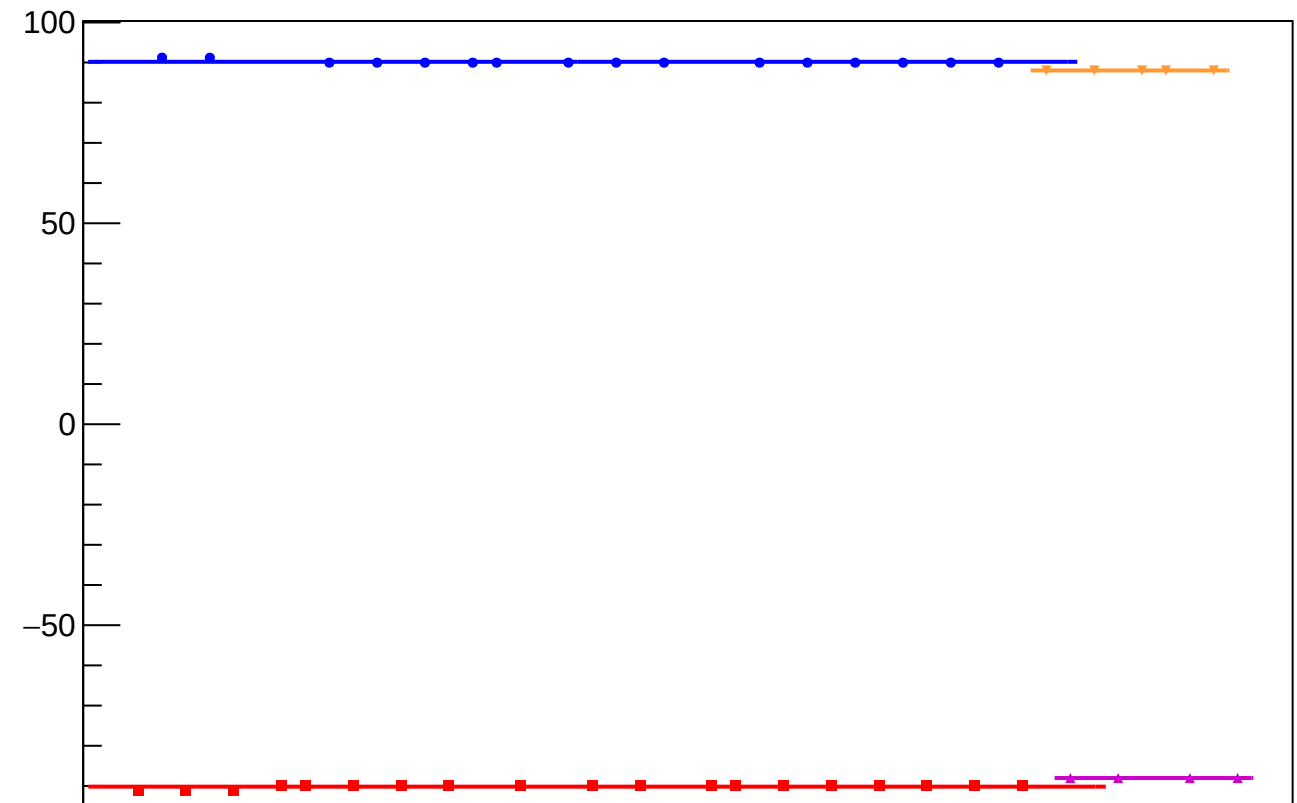
Right: -21.516+/-0.000 χ^2/NDF: 3264697385914600

In: 504.520+/-0.000 χ^2/NDF:21120357921544974

Out: -493.793+/-0.000 χ^2/NDF:219859500466533

All: -3.292+/-0.000 χ^2/NDF: 4870816845970

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:2214364.1/4

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:644619.3/3

Left: 2.009+/-0.000 χ^2/NDF: 576898945110146822

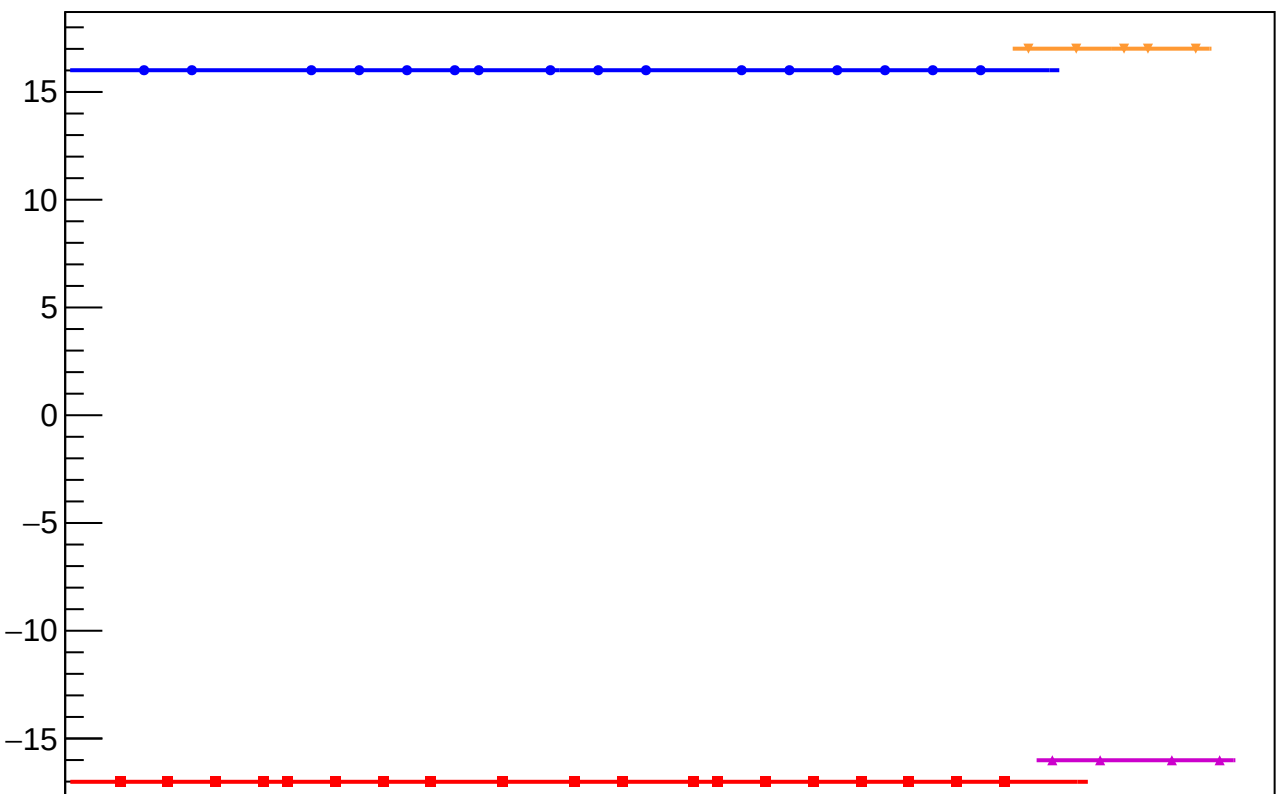
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 31.474+/-0.000 χ^2/NDF:775085838116788754

Out: -30.824+/-0.000 χ^2/NDF:8068583378799638

All: -0.215+/-0.000 χ^2/NDF: 1800090421494

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:9720059497836475140014008.0/4

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:45741.3/3

Left: 0.524+/-0.000 χ^2/NDF: 1867013917253593233

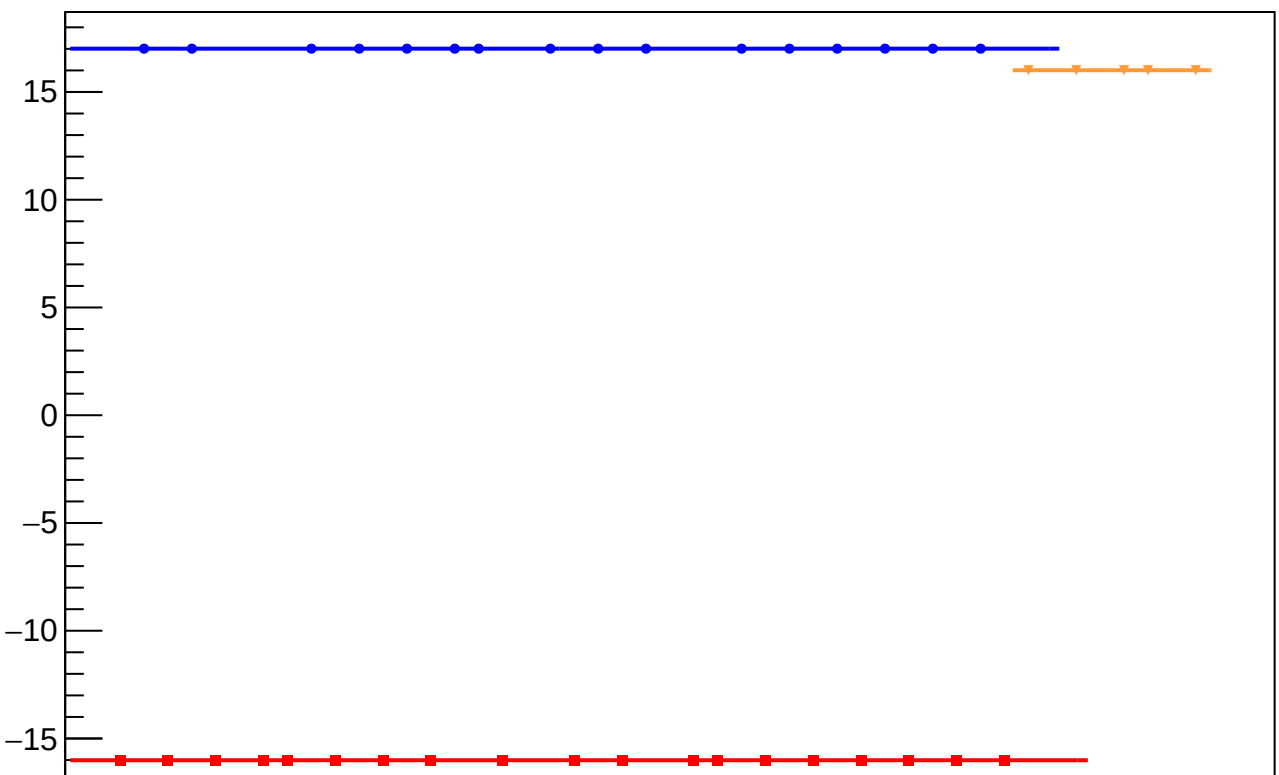
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 5.520+/-0.000 χ^2/NDF:235760729123114688

Out: -5.746+/-0.000 χ^2/NDF:26552091935506778

All: -0.091+/-0.000 χ^2/NDF: 5672906581239

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:34987.6/4

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:15196.6/3

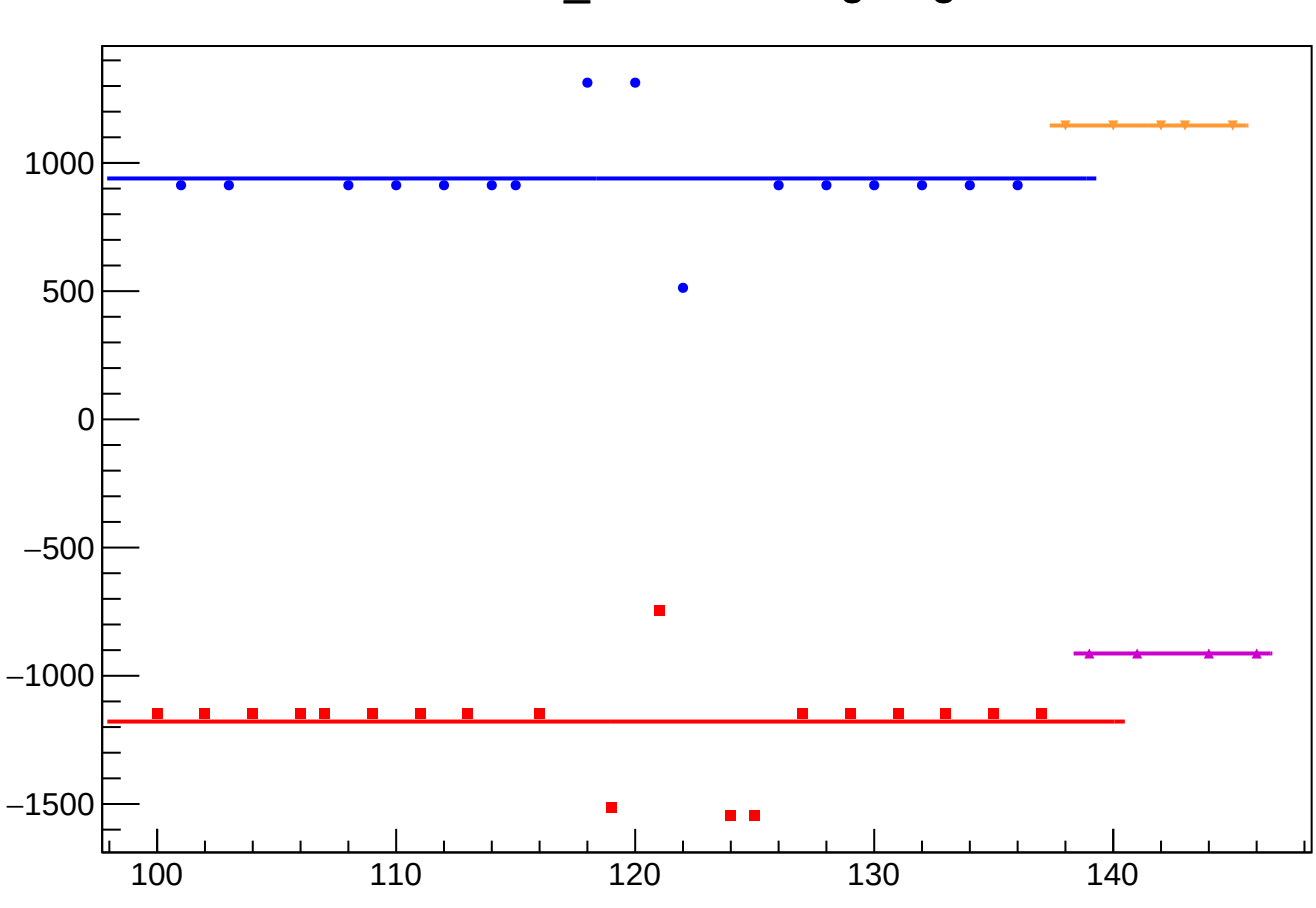
Left: -0.321+/-0.000 χ^2/NDF: 20058006386463993

Right: -0.086+/-0.000 χ^2/NDF: 3990694435474134

In: 5.447+/-0.000 χ^2/NDF:278078895587213768

Out: -5.478+/-0.000 χ^2/NDF:25593569307070671

All: -0.164+/-0.000 χ^2/NDF: 5996765564403



Right In: 939.446+/-0.000 χ^2/NDF: 2108293385609278876355276867318998630 4.0/15

Left Out: 1146.011+/-0.000 χ^2/NDF:16886957754630624284382330880 .0/4

Right Out: -1178.513+/-0.000 χ^2/NDF: 2214025995812327756548110611483774 1568.0/18

Left In: -912.994+/-0.000 χ^2/NDF:7138033622135608517706383360.0/3

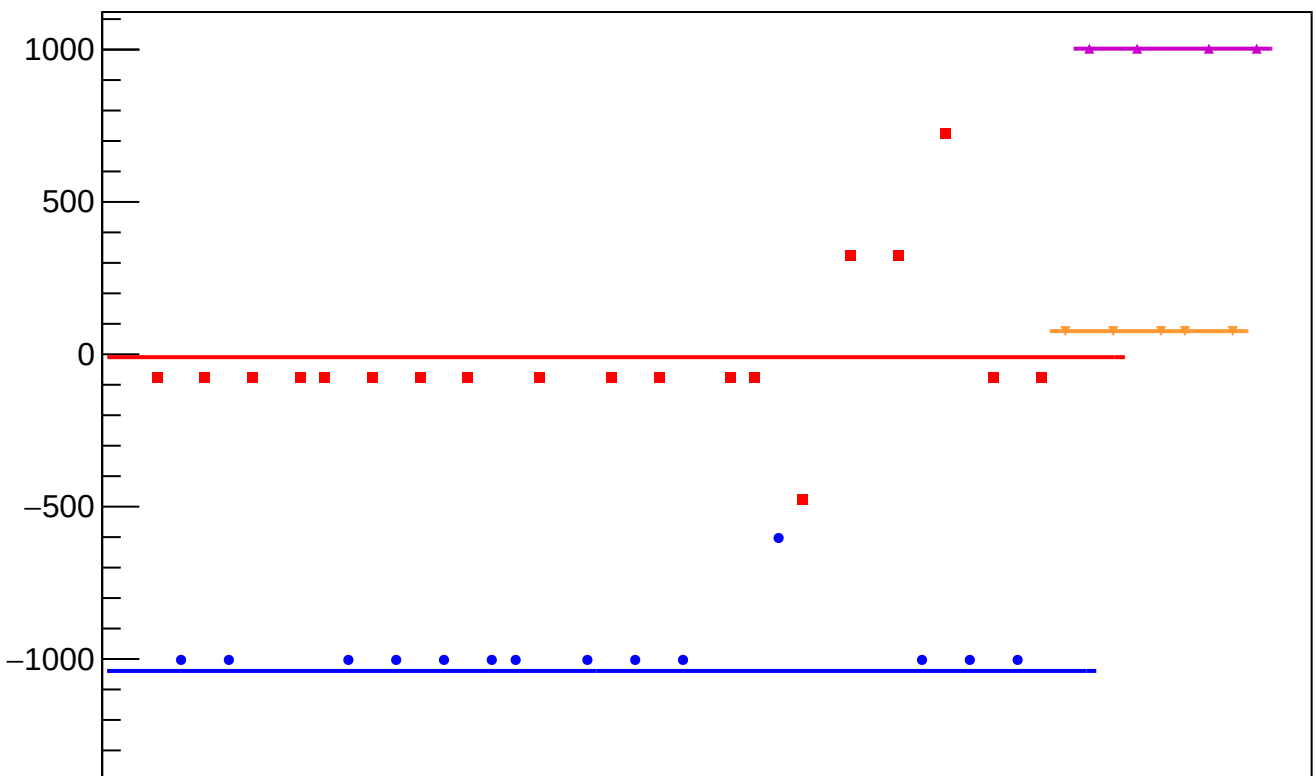
Left: 140.000+/-0.000 χ^2/NDF: 7891965658997429

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

In: 329.230+/-0.000 χ^2/NDF:85870062932675371

Out: -404.349+/-0.000 χ^2/NDF:139520716039268

All: -43.920+/-0.000 χ^2/NDF: 255638524090



Left: 528.924+/-0.000 χ^2/NDF: 1599591883028701

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.011+/-0.000 χ^2/NDF:22937732369503243469554974720.0/4

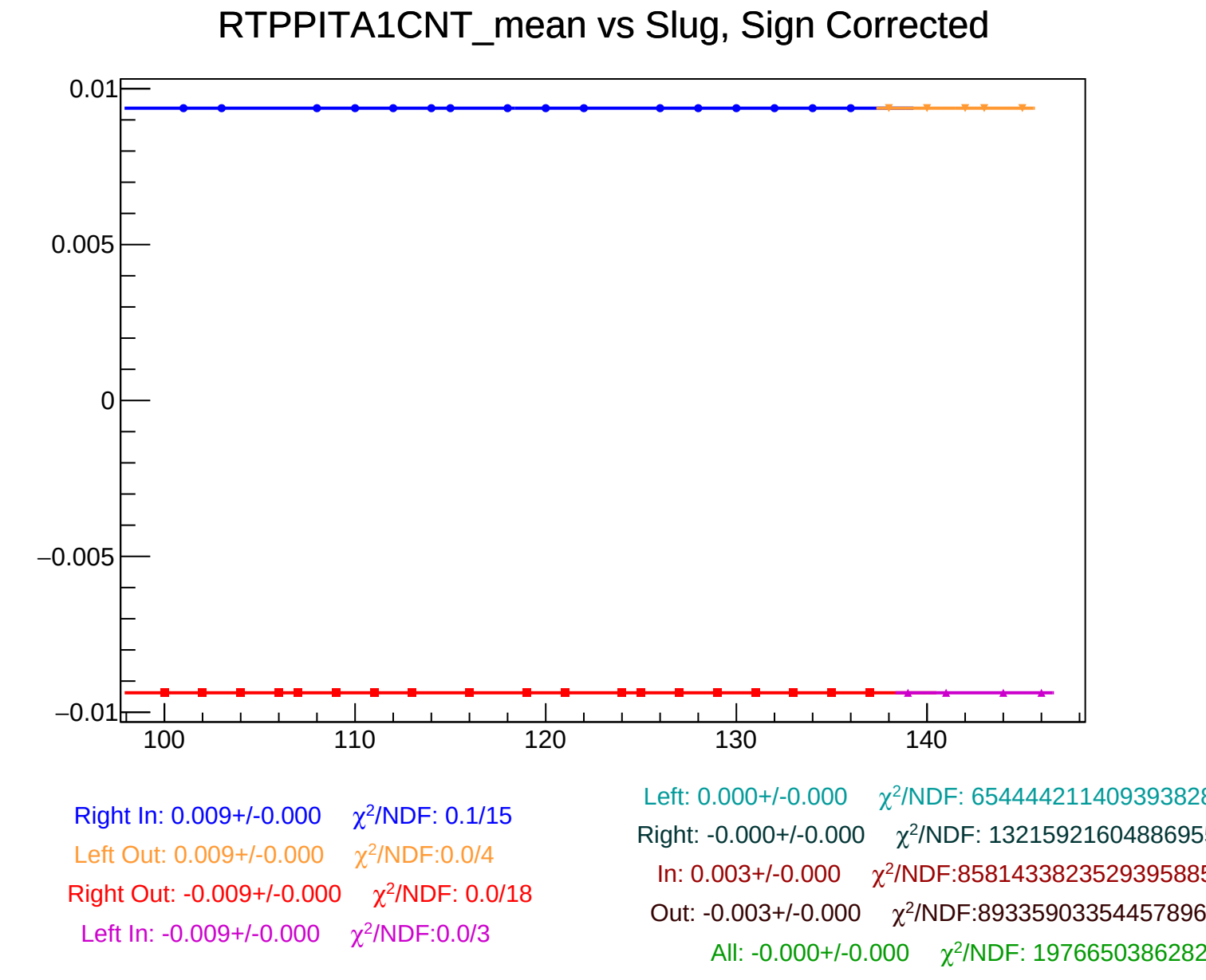
In: -366.450+/-0.000 χ^2/NDF:1040830811463932

Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

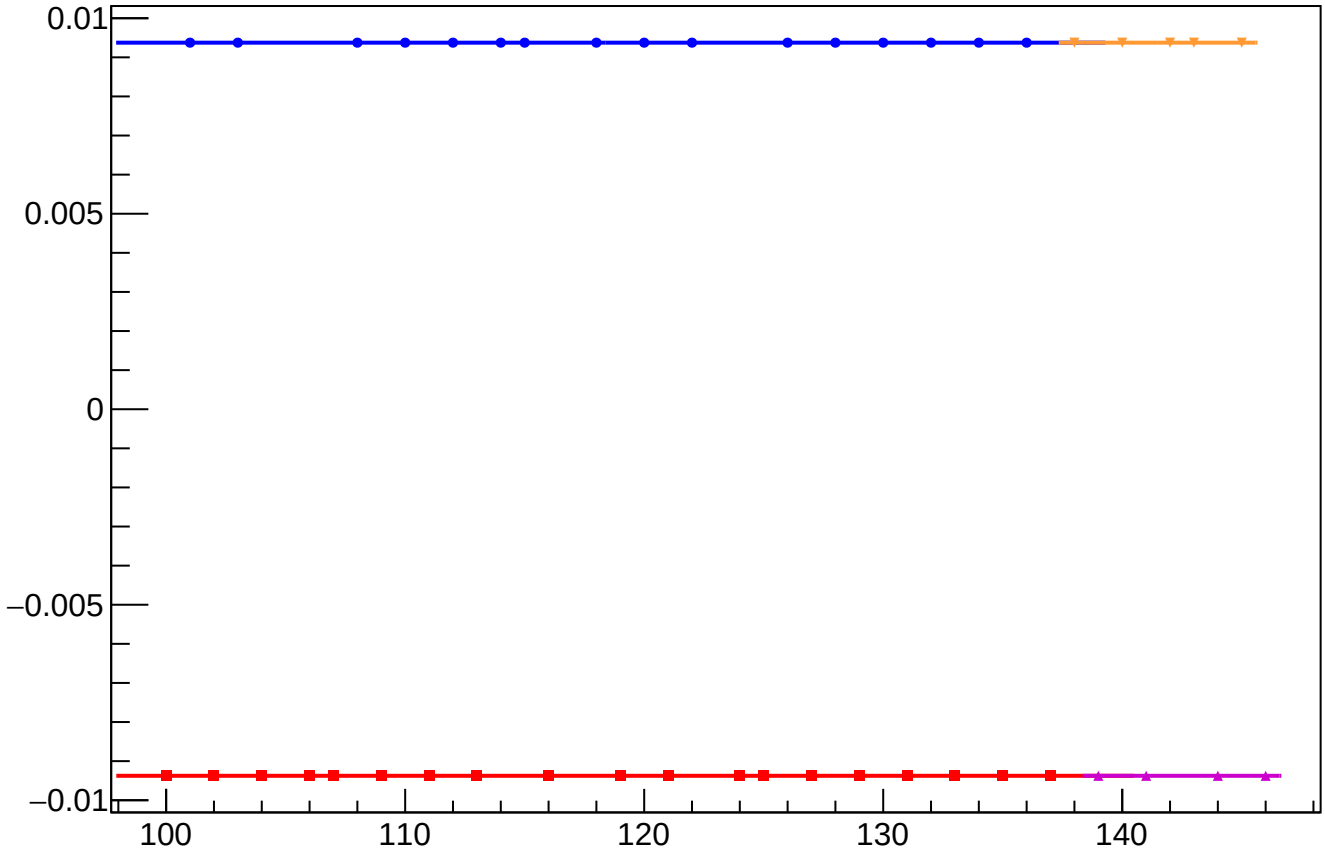
Out: 19.026+/-0.000 χ^2/NDF:47912444858422916

Left In: 1002.989+/-0.000 χ^2/NDF:59656198567327492115477299 2.0/3

All: -170.370+/-0.000 χ^2/NDF: 1172263538


RTPPITA1CNT_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/4
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/3
Left: 0.000+/-0.000 χ²/NDF: 654444211409393828
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.003+/-0.000 χ²/NDF:858143382352939588
Out: -0.003+/-0.000 χ²/NDF:89335903354457896
All: -0.000+/-0.000 χ²/NDF: 1976650386282

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:0.0/4

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/3

Left: 0.000+/-0.000 χ^2/NDF: 654444211409393828

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.003+/-0.000 χ^2/NDF:858143382352939588

Out: -0.003+/-0.000 χ^2/NDF:89335903354457896

All: -0.000+/-0.000 χ^2/NDF: 1976650386282