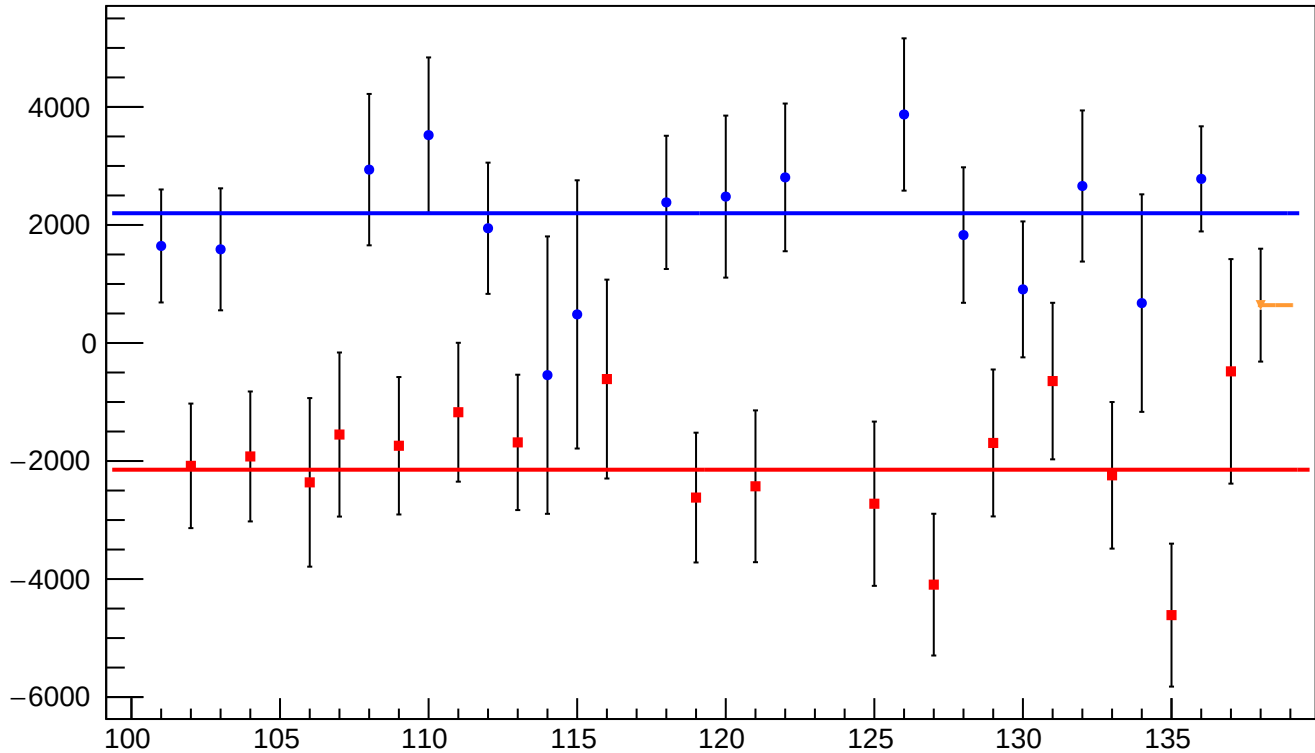


# dit\_asym\_us\_avg\_mean vs Slug



Right In: 2198.880+/-306.767

$\chi^2/\text{NDF}$ : 8.6/15

Left Out: 641.266+/-956.556

$\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2147.149+/-304.804

$\chi^2/\text{NDF}$ : 11.4/16

Left In: 0.000+/-0.000

$\chi^2/\text{NDF}$ : 0.0/0

+ sign 2053.622+/-292.113

$\chi^2/\text{NDF}$ : 11.0/16

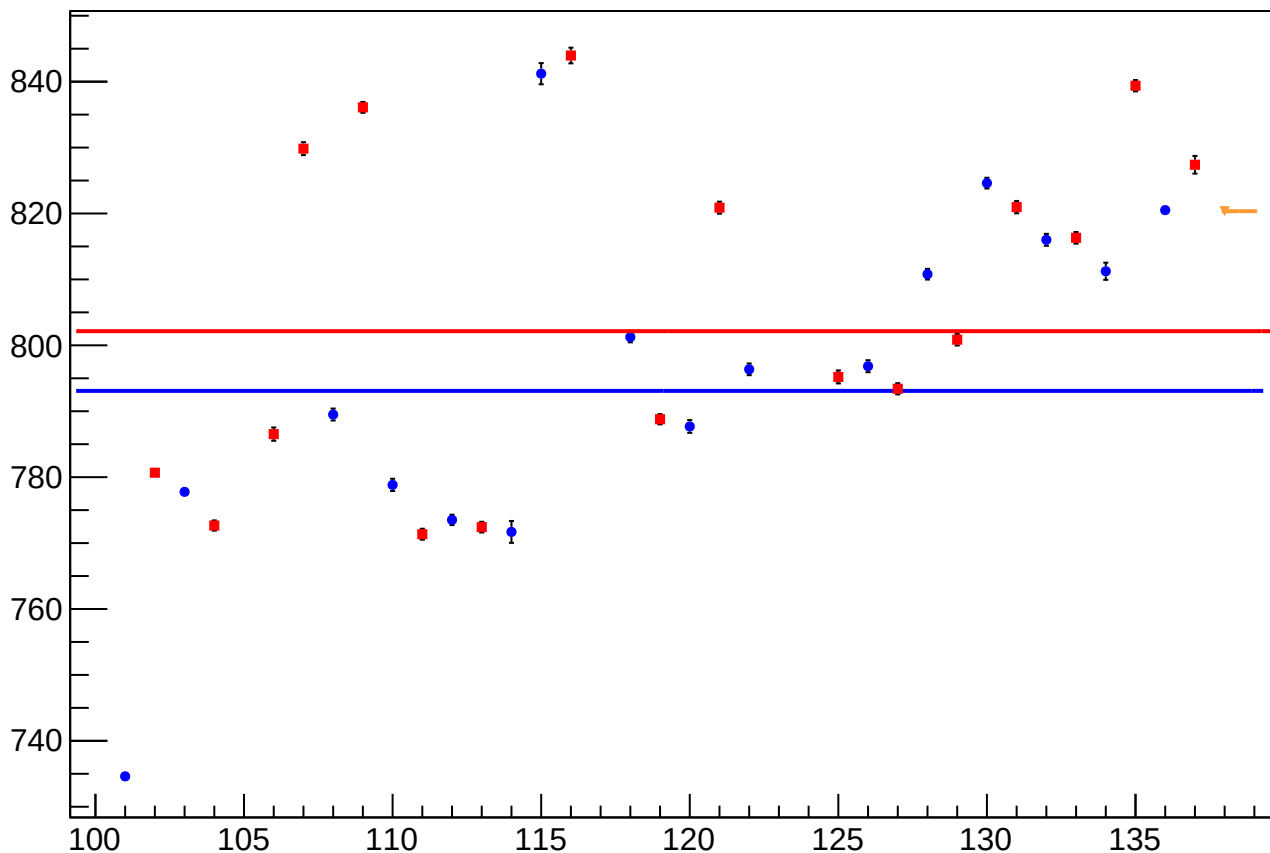
All: 42.510+/-210.899

$\chi^2/\text{NDF}$ : 121.4/33

- sign 0.000+/-0.000

$\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_us\_avg\_rms vs Slug



Right In: 793.091 $\pm$ 0.217  $\chi^2$ /NDF: 14703.0/15

Left Out: 820.348 $\pm$ 0.676  $\chi^2$ /NDF:0.0/0

Right Out: 802.148 $\pm$ 0.216  $\chi^2$ /NDF: 12723.5/16

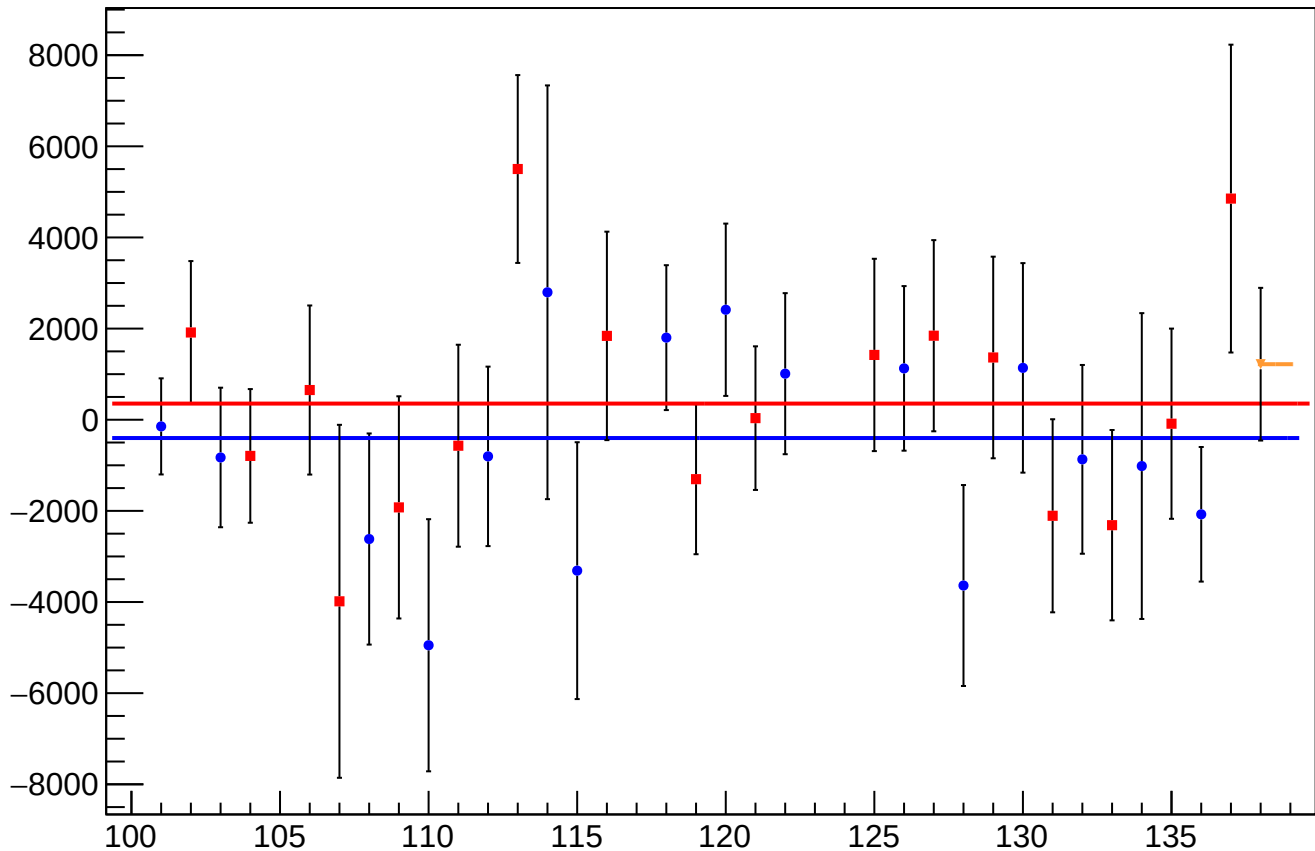
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 795.633 $\pm$ 0.207  $\chi^2$ /NDF: 16175.5/16

All: 798.752 $\pm$ 0.149  $\chi^2$ /NDF: 29375.3/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_us\_avg\_correction\_mean vs Slug



Right In: -401.464+/-468.669  $\chi^2/\text{NDF}$ : 14.8/15

Left Out: 1218.727+/-1675.274  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 354.462+/-486.525  $\chi^2/\text{NDF}$ : 17.4/16

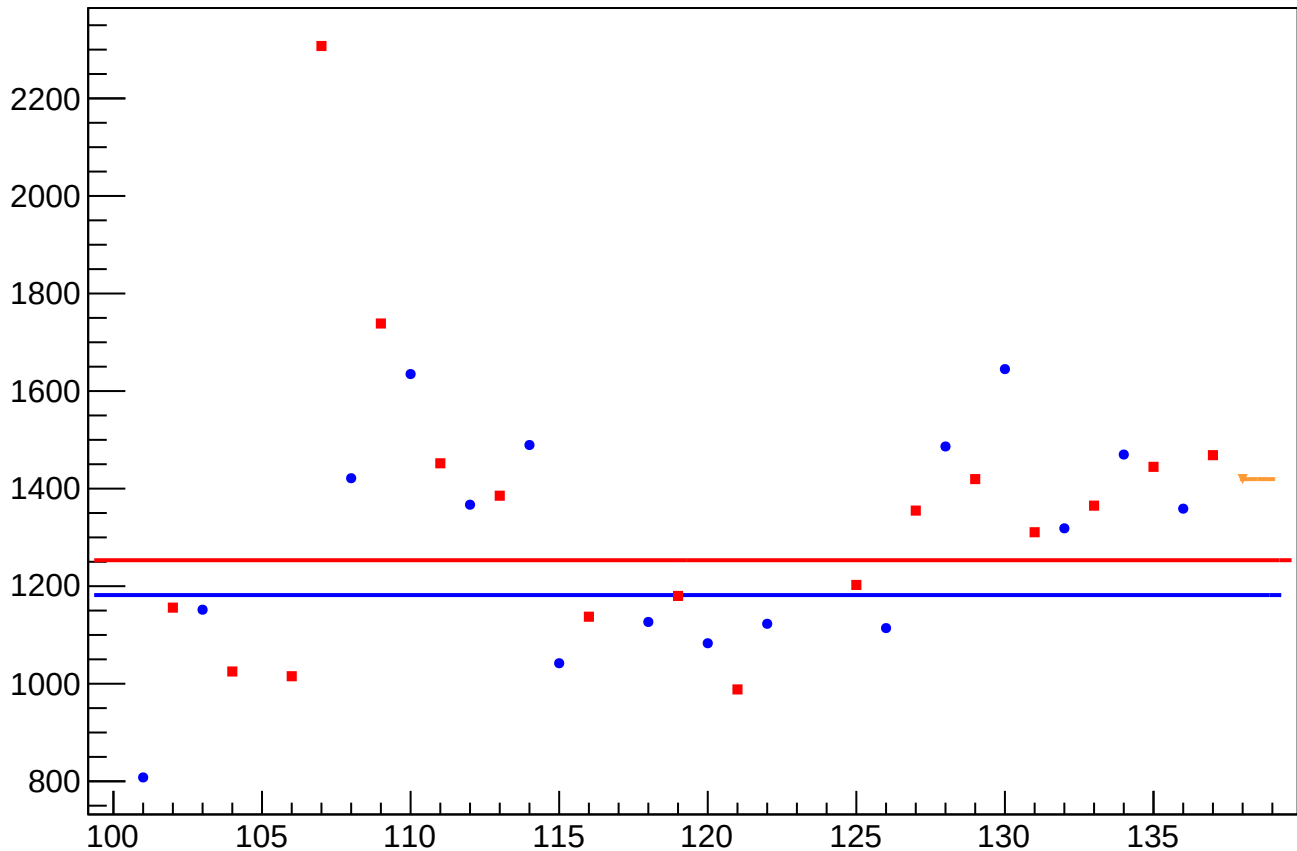
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -283.866+/-451.340  $\chi^2/\text{NDF}$ : 15.7/16

All: 11.384+/-330.886  $\chi^2/\text{NDF}$ : 34.0/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_us\_avg\_correction\_rms vs Slug



Right In: 1181.767+/-0.331  $\chi^2/\text{NDF}$ : 543493.3/15

Left Out: 1419.491+/-1.185  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1253.221+/-0.344  $\chi^2/\text{NDF}$ : 455640.3/16

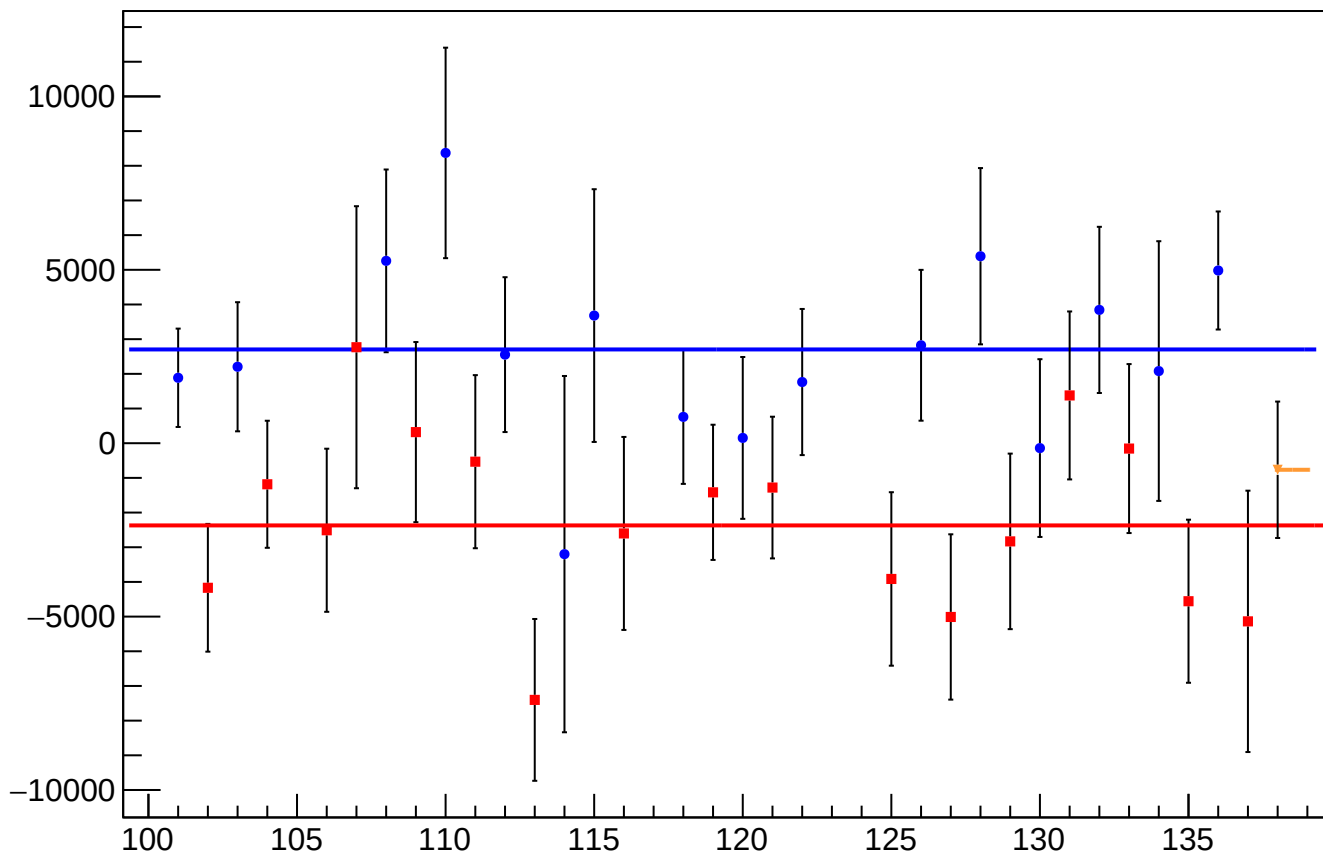
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1199.022+/-0.319  $\chi^2/\text{NDF}$ : 580842.5/16

All: 1224.091+/-0.234  $\chi^2/\text{NDF}$ : 1049822.9/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_us\_avg\_mean vs Slug



Right In: 2703.689+/-564.506  $\chi^2/\text{NDF}$ : 13.0/15

Left Out: -766.254+/-1967.001  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2370.617+/-573.481  $\chi^2/\text{NDF}$ : 16.0/16

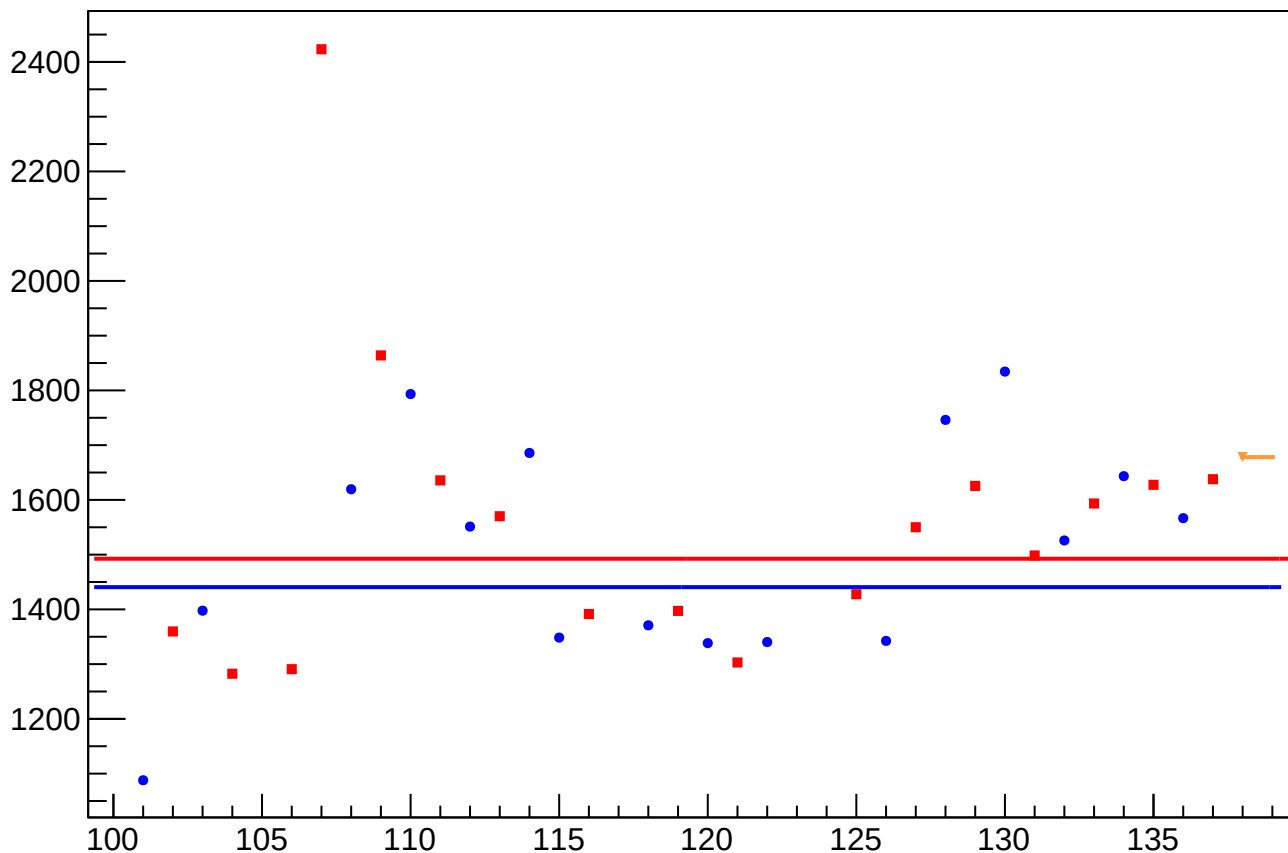
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2439.644+/-542.603  $\chi^2/\text{NDF}$ : 15.9/16

All: 167.496+/-394.142  $\chi^2/\text{NDF}$ : 69.1/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_us\_avg\_rms vs Slug



Right In: 1440.653+/-0.399  $\chi^2/\text{NDF}$ : 282262.6/15

Left Out: 1678.197+/-1.391  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1492.529+/-0.406  $\chi^2/\text{NDF}$ : 251506.2/16

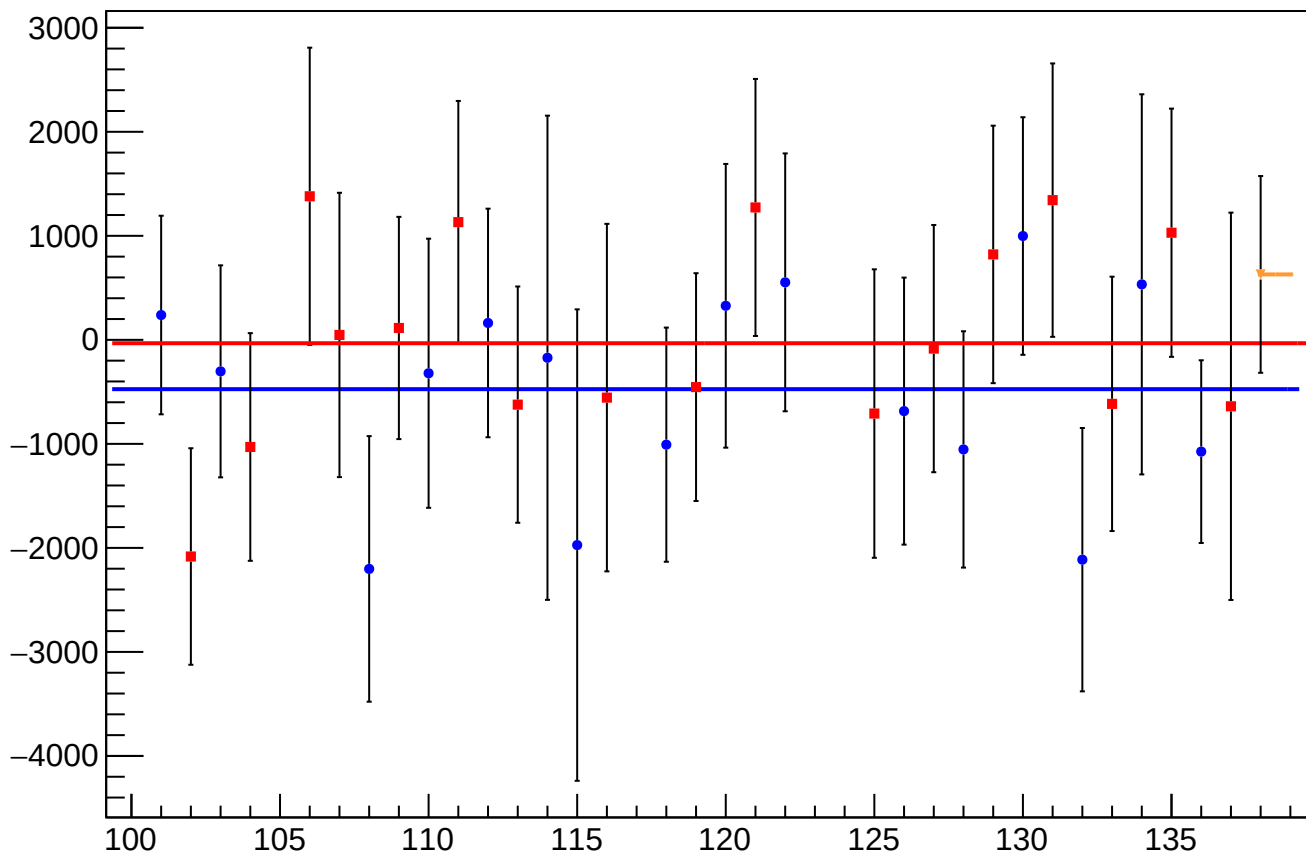
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1458.728+/-0.384  $\chi^2/\text{NDF}$ : 309211.2/16

All: 1474.695+/-0.279  $\chi^2/\text{NDF}$ : 564383.4/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_us\_dd\_mean vs Slug



Right In: -474.136+/-303.914  $\chi^2/\text{NDF}$ : 8.9/15

Left Out: 628.993+/-945.707  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -32.454+/-299.611  $\chi^2/\text{NDF}$ : 11.3/16

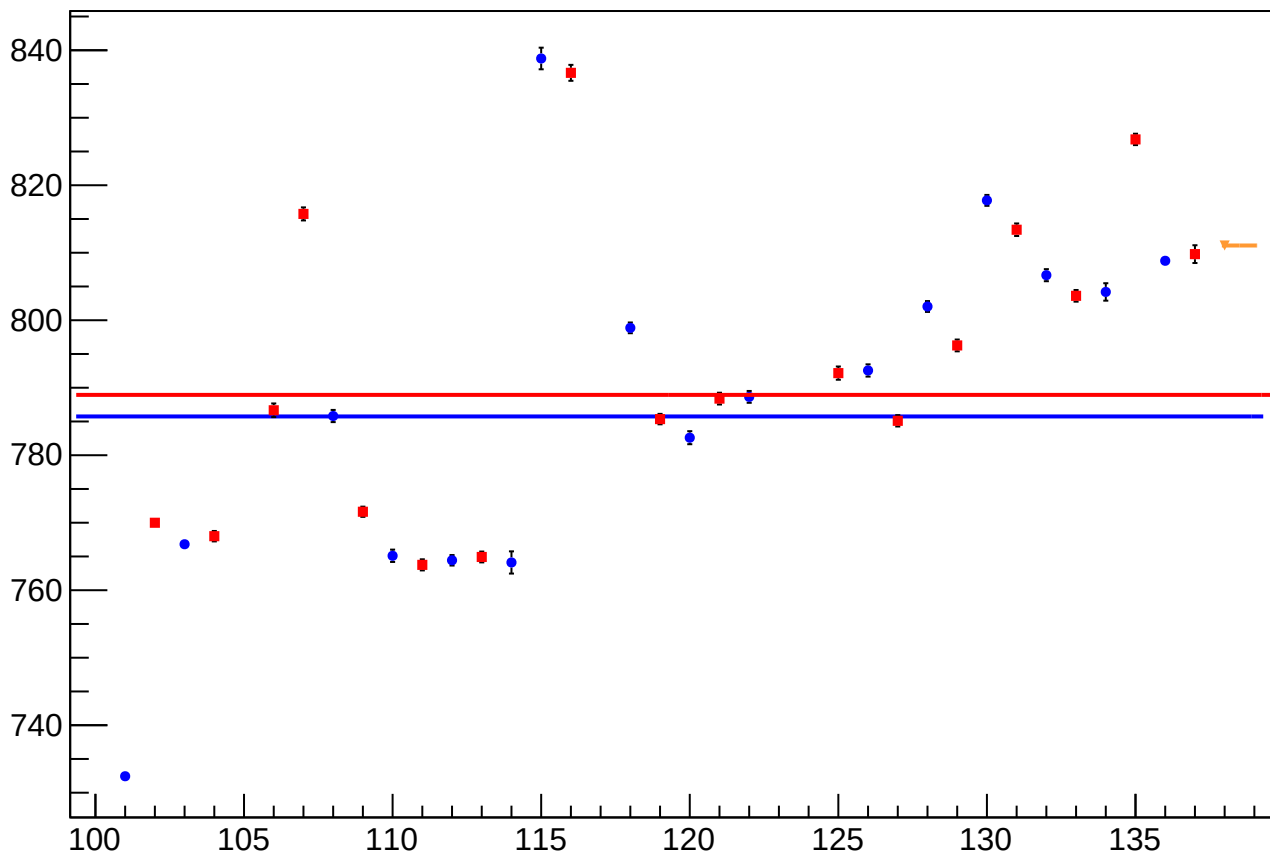
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -370.876+/-289.340  $\chi^2/\text{NDF}$ : 10.1/16

All: -207.565+/-208.131  $\chi^2/\text{NDF}$ : 22.0/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_us\_dd\_rms vs Slug



Right In: 785.746 $\pm$ 0.215  $\chi^2$ /NDF: 13921.5/15

Left Out: 811.073 $\pm$ 0.669  $\chi^2$ /NDF: 0.0/0

Right Out: 788.940 $\pm$ 0.212  $\chi^2$ /NDF: 9525.0/16

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

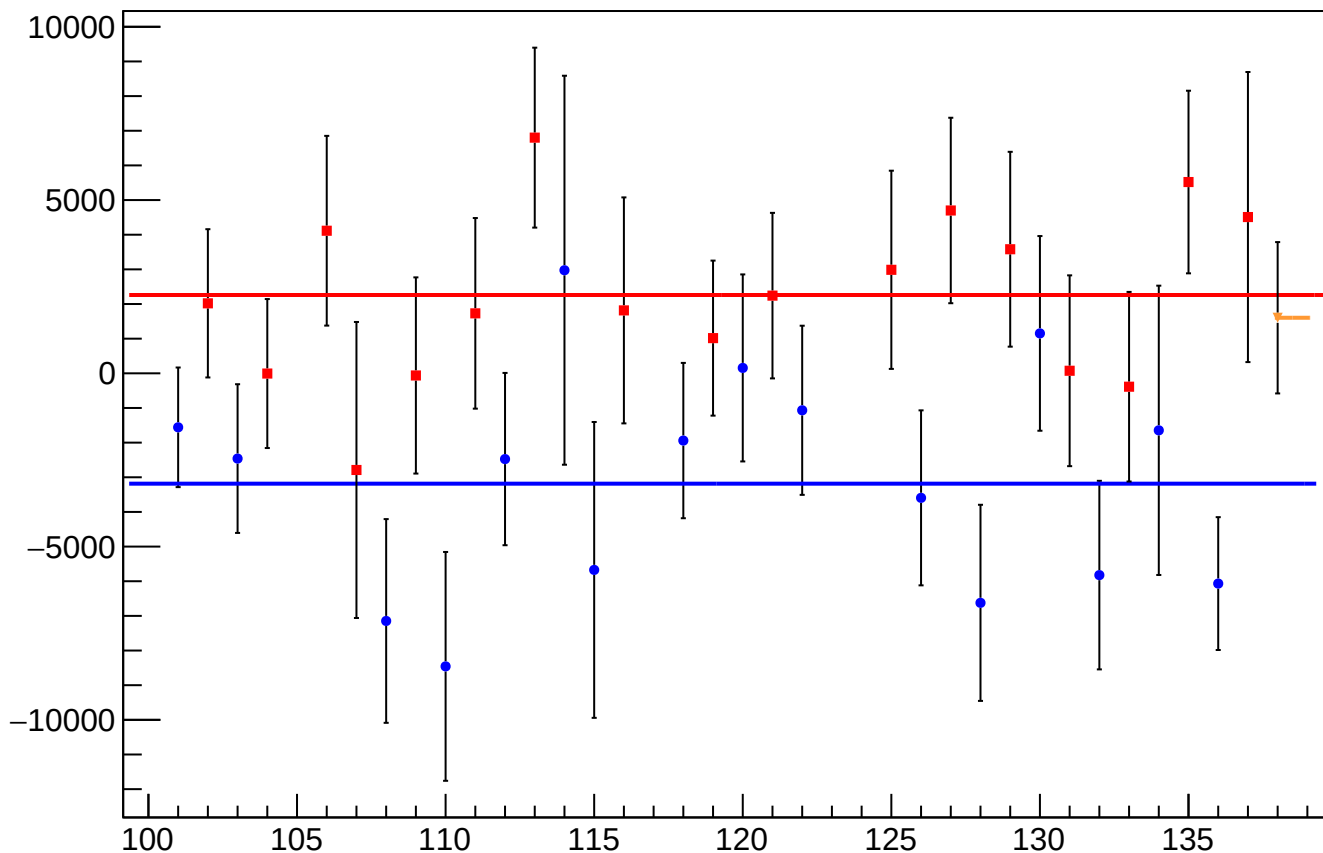
+ sign 788.116 $\pm$ 0.205  $\chi^2$ /NDF: 15221.7/16

All: 788.514 $\pm$ 0.147  $\chi^2$ /NDF: 24754.6/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_us\_dd\_correction\_mean vs Slug



Right In: -3184.522 $\pm$ 647.361  $\chi^2$ /NDF: 16.8/15

Left Out: 1603.314 $\pm$ 2183.628  $\chi^2$ /NDF:0.0/0

Right Out: 2260.241 $\pm$ 651.957  $\chi^2$ /NDF: 11.6/16

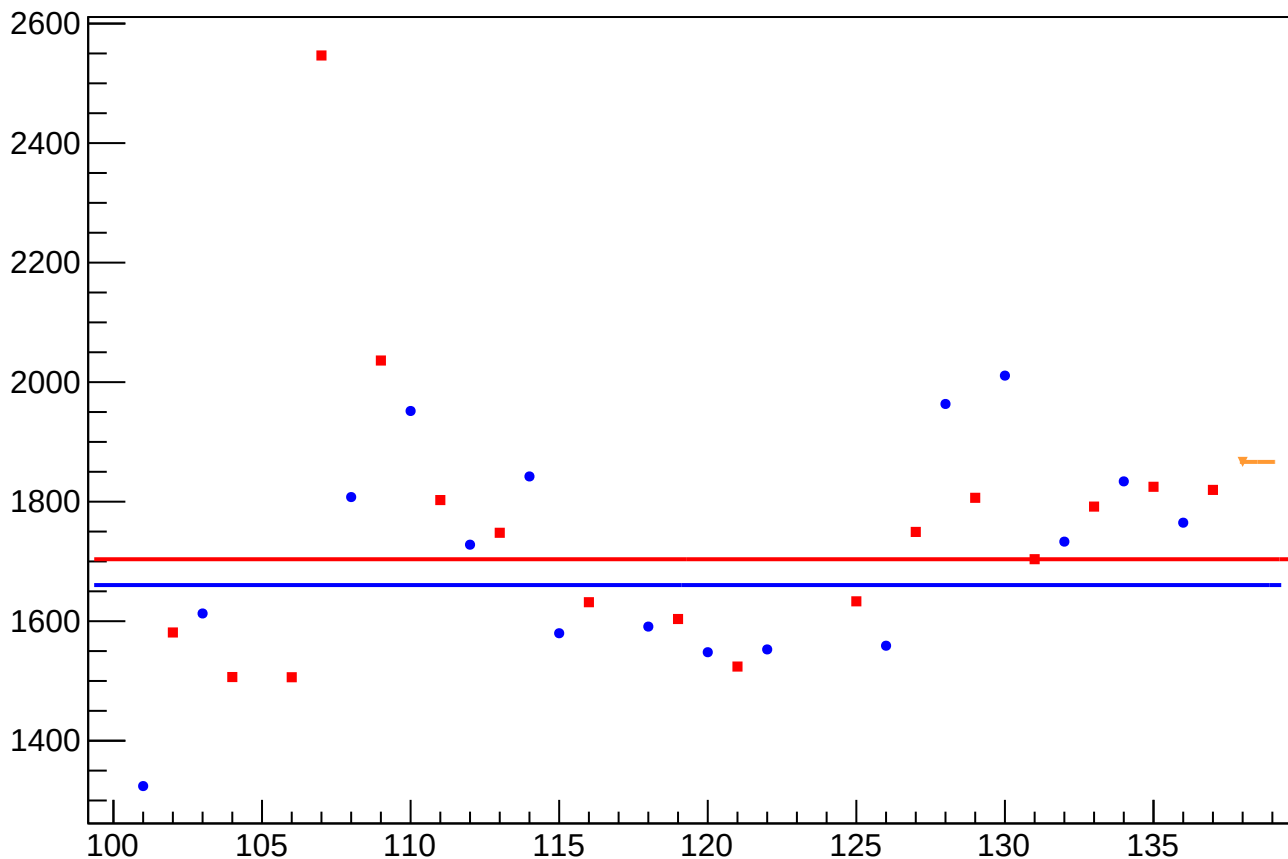
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign -2797.718 $\pm$ 620.661  $\chi^2$ /NDF: 21.2/16

All: -393.050 $\pm$ 449.530  $\chi^2$ /NDF: 64.4/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_us\_dd\_correction\_rms vs Slug



Right In: 1660.462+/-0.458  $\chi^2/\text{NDF}$ : 179206.0/15

Left Out: 1866.552+/-1.544  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1703.679+/-0.461  $\chi^2/\text{NDF}$ : 171025.5/16

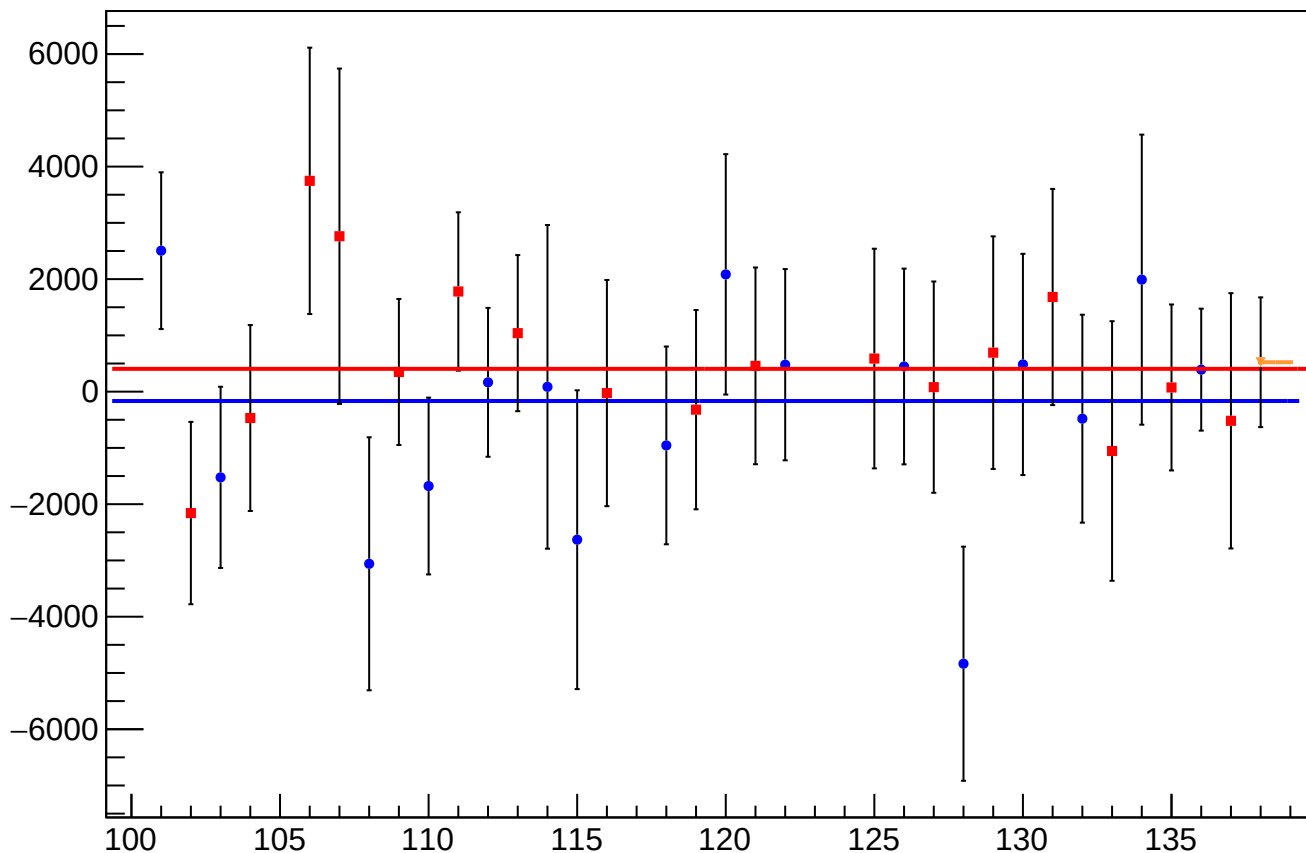
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1677.111+/-0.439  $\chi^2/\text{NDF}$ : 195581.8/16

All: 1689.742+/-0.318  $\chi^2/\text{NDF}$ : 368349.6/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_us\_dd\_mean vs Slug



Right In:  $-166.359 \pm 432.680$   $\chi^2/\text{NDF}$ : 15.6/15

Left Out:  $522.542 \pm 1153.190$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $405.286 \pm 428.618$   $\chi^2/\text{NDF}$ : 7.9/16

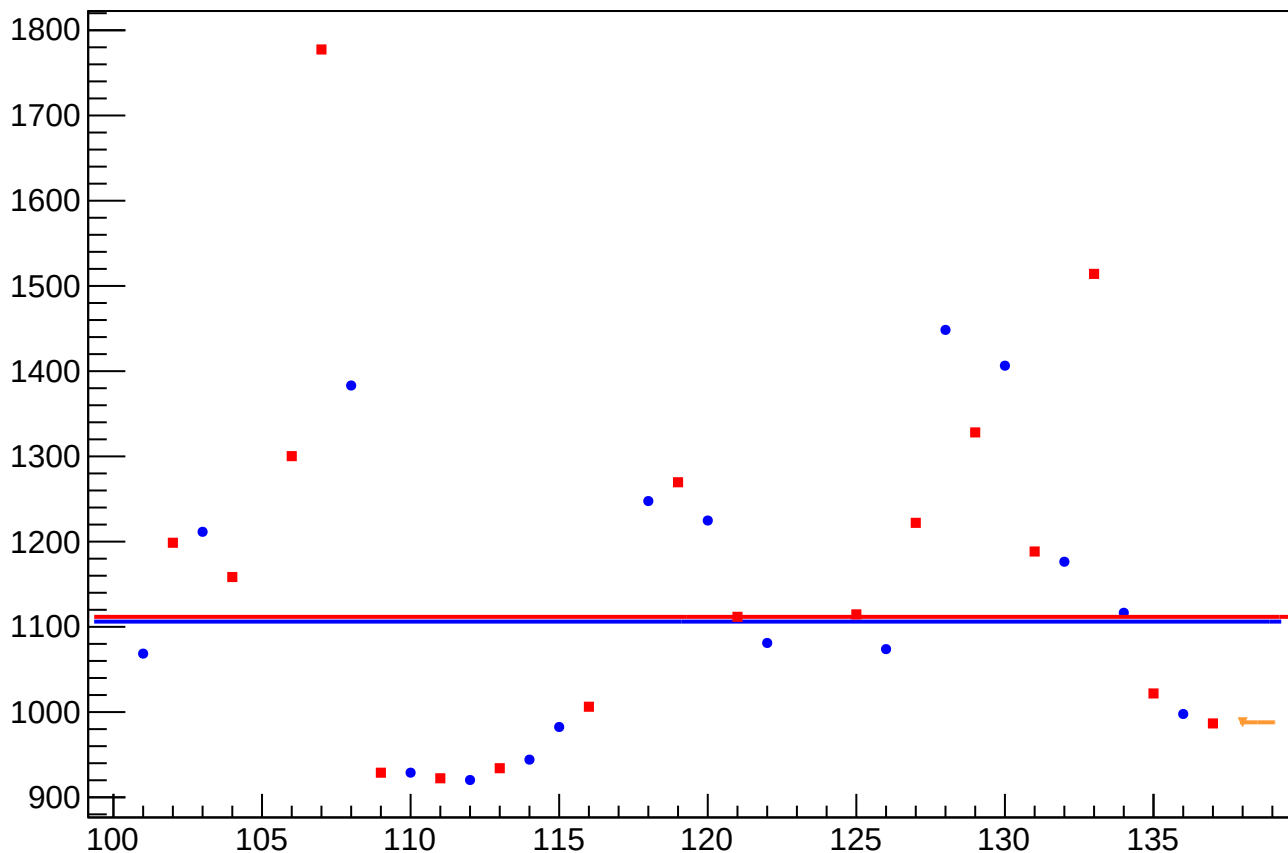
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-81.345 \pm 405.104$   $\chi^2/\text{NDF}$ : 15.9/16

All:  $148.256 \pm 294.414$   $\chi^2/\text{NDF}$ : 24.5/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_us\_dd\_rms vs Slug



Right In: 1106.159+/-0.306  $\chi^2/\text{NDF}$ : 259917.7/15

Left Out: 987.980+/-0.815  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1111.726+/-0.303  $\chi^2/\text{NDF}$ : 356388.5/16

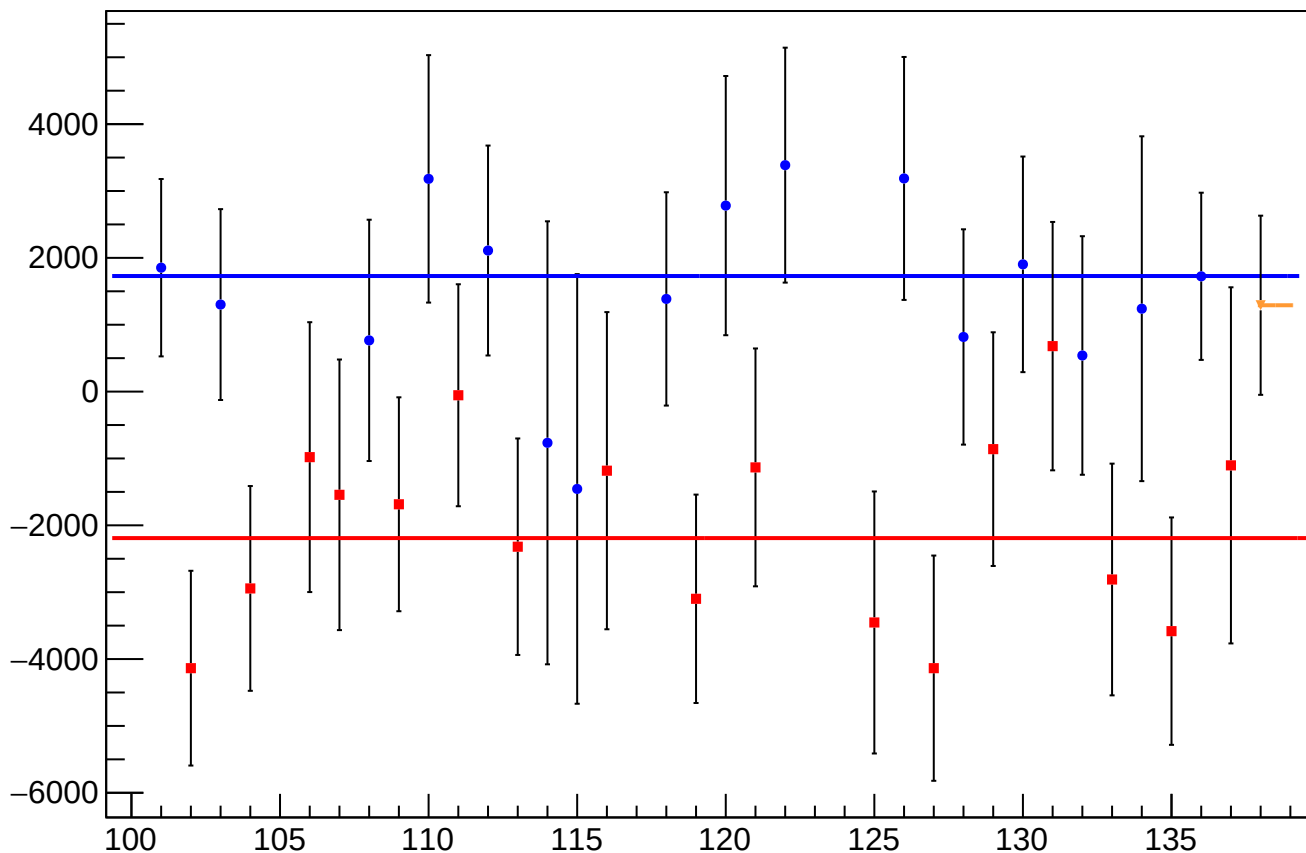
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1091.575+/-0.286  $\chi^2/\text{NDF}$ : 278330.1/16

All: 1101.083+/-0.208  $\chi^2/\text{NDF}$ : 637053.5/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_usl\_mean vs Slug



Right In: 1728.463 $\pm$ 429.803  $\chi^2$ /NDF: 5.3/15

Left Out: 1291.236 $\pm$ 1339.781  $\chi^2$ /NDF:0.0/0

Right Out: -2190.971 $\pm$ 427.222  $\chi^2$ /NDF: 10.8/16

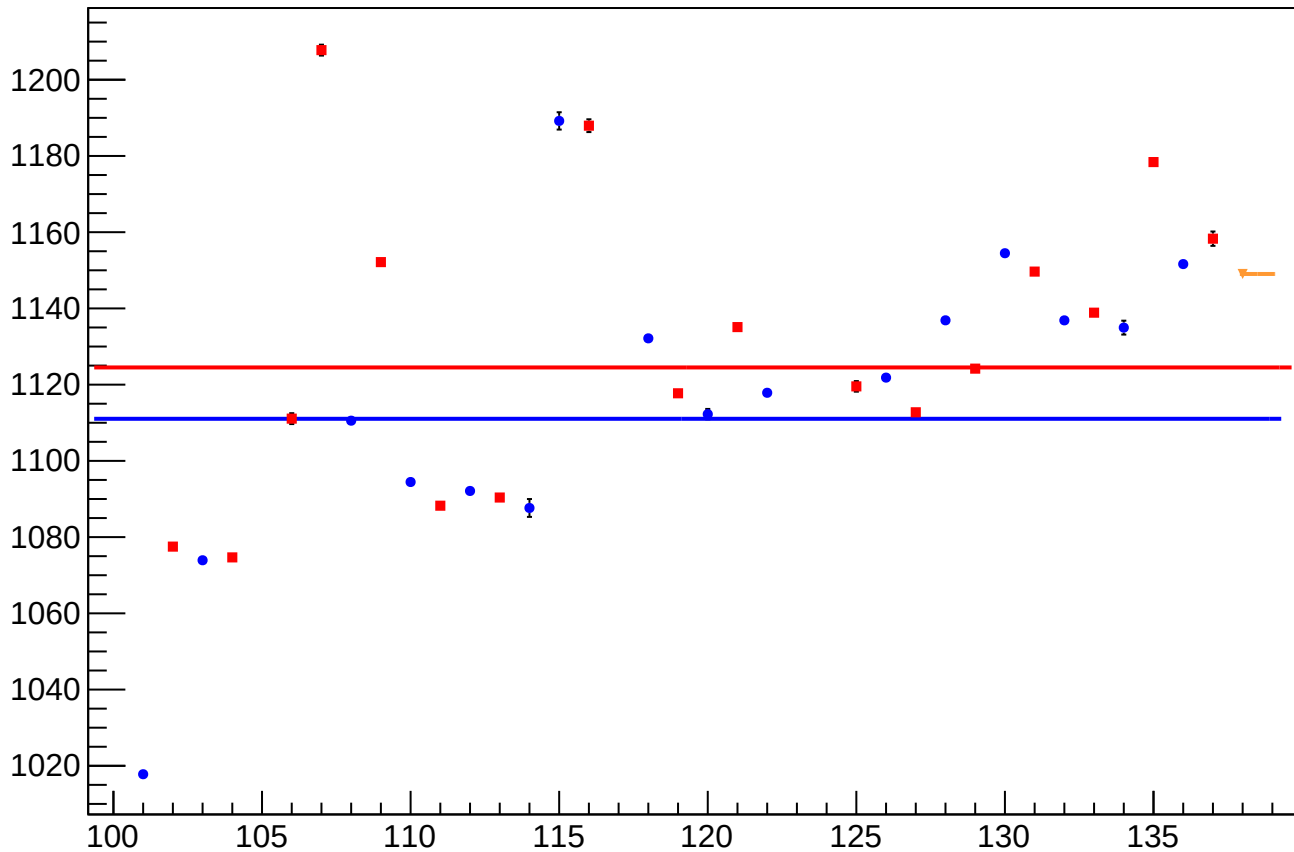
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 1687.666 $\pm$ 409.260  $\chi^2$ /NDF: 5.4/16

All: -168.404 $\pm$ 295.536  $\chi^2$ /NDF: 59.2/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_usl\_rms vs Slug



Right In: 1111.042 $\pm$ 0.304  $\chi^2$ /NDF: 18091.1/15

Left Out: 1149.039 $\pm$ 0.947  $\chi^2$ /NDF: 0.0/0

Right Out: 1124.514 $\pm$ 0.302  $\chi^2$ /NDF: 14600.7/16

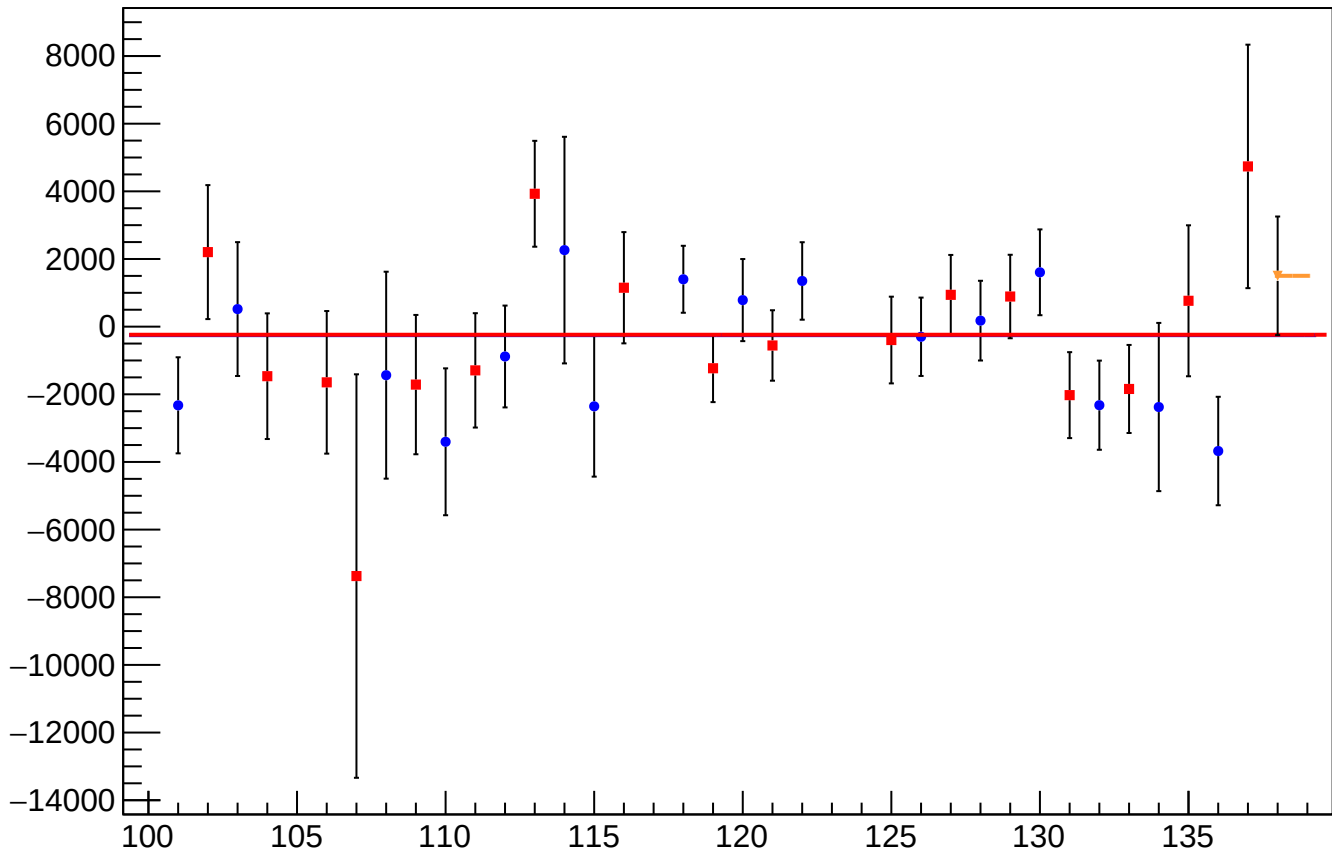
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1114.588 $\pm$ 0.289  $\chi^2$ /NDF: 19549.6/16

All: 1119.338 $\pm$ 0.209  $\chi^2$ /NDF: 34713.4/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_usl\_correction\_mean vs Slug



Right In: -251.327+/-364.951  $\chi^2/\text{NDF}$ : 21.8/15

Left Out: 1502.691+/-1752.872  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -239.863+/-363.842  $\chi^2/\text{NDF}$ : 21.1/16

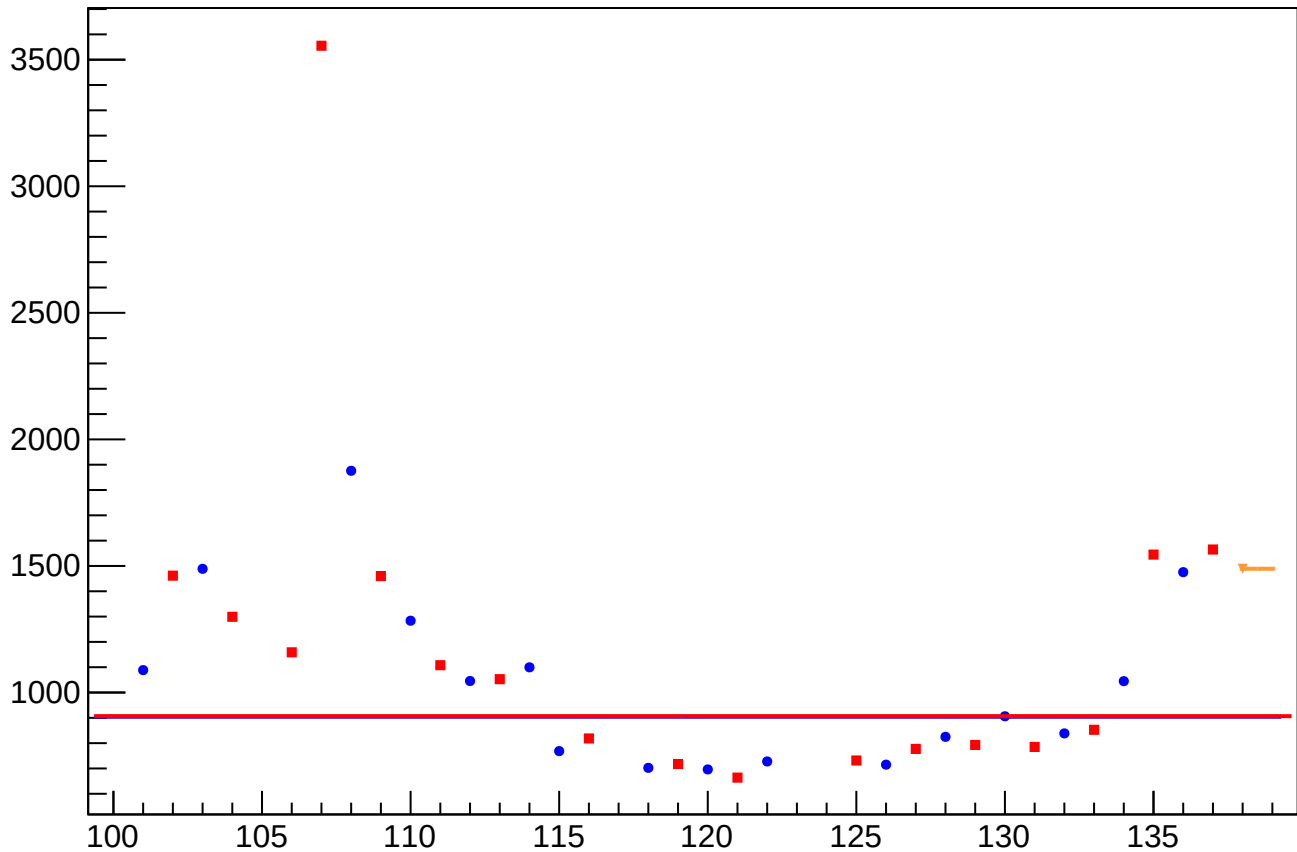
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -178.453+/-357.289  $\chi^2/\text{NDF}$ : 22.8/16

All: -208.600+/-254.927  $\chi^2/\text{NDF}$ : 43.9/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_usl\_correction\_rms vs Slug



Right In: 904.488+/-0.258  $\chi^2/\text{NDF}$ : 1021094.8/15

Left Out: 1488.991+/-1.239  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 906.594+/-0.257  $\chi^2/\text{NDF}$ : 1376076.4/16

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

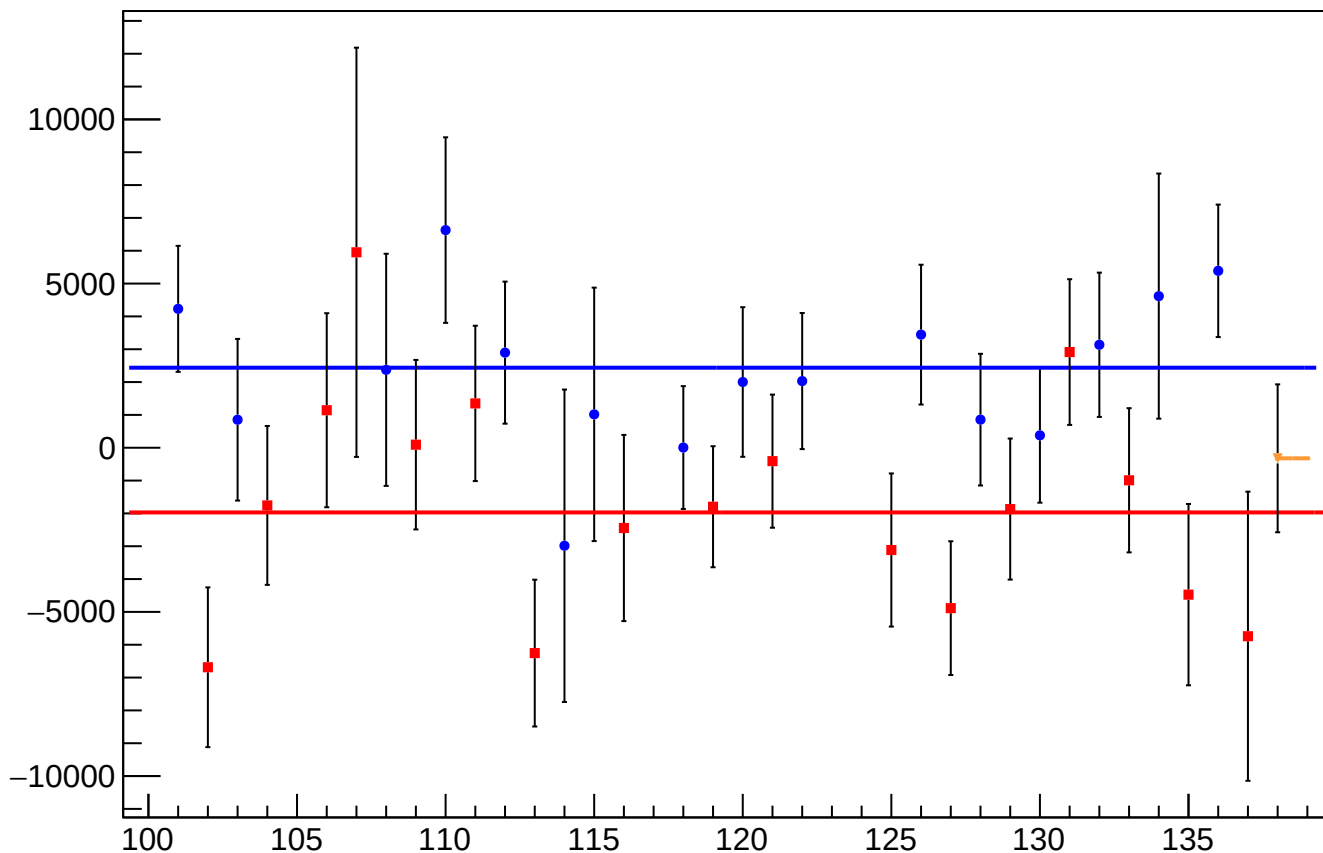
+ sign 928.773+/-0.253  $\chi^2/\text{NDF}$ : 1234238.8/16

All: 917.885+/-0.180  $\chi^2/\text{NDF}$ : 2614098.5/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_usl\_mean vs Slug



Right In:  $2437.510 \pm 586.231$   $\chi^2/\text{NDF}: 11.2/15$

Left Out:  $-322.274 \pm 2252.714$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1970.445 \pm 586.663$   $\chi^2/\text{NDF}: 22.3/16$

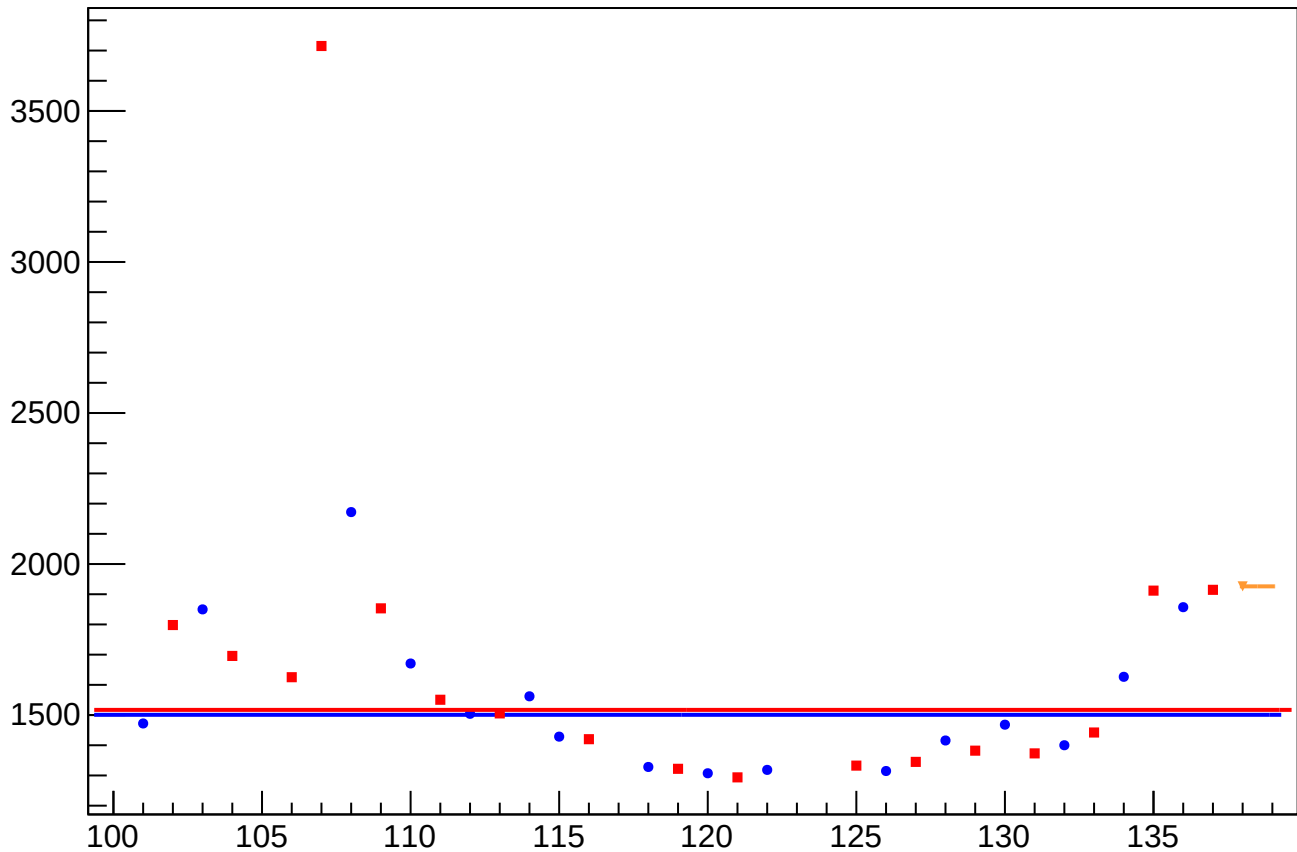
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $2262.468 \pm 567.335$   $\chi^2/\text{NDF}: 12.6/16$

All:  $216.887 \pm 407.829$   $\chi^2/\text{NDF}: 61.8/33$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_usl\_rms vs Slug



Right In: 1500.830+/-0.415  $\chi^2/\text{NDF}$ : 256227.7/15

Left Out: 1926.067+/-1.593  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1517.120+/-0.415  $\chi^2/\text{NDF}$ : 475046.3/16

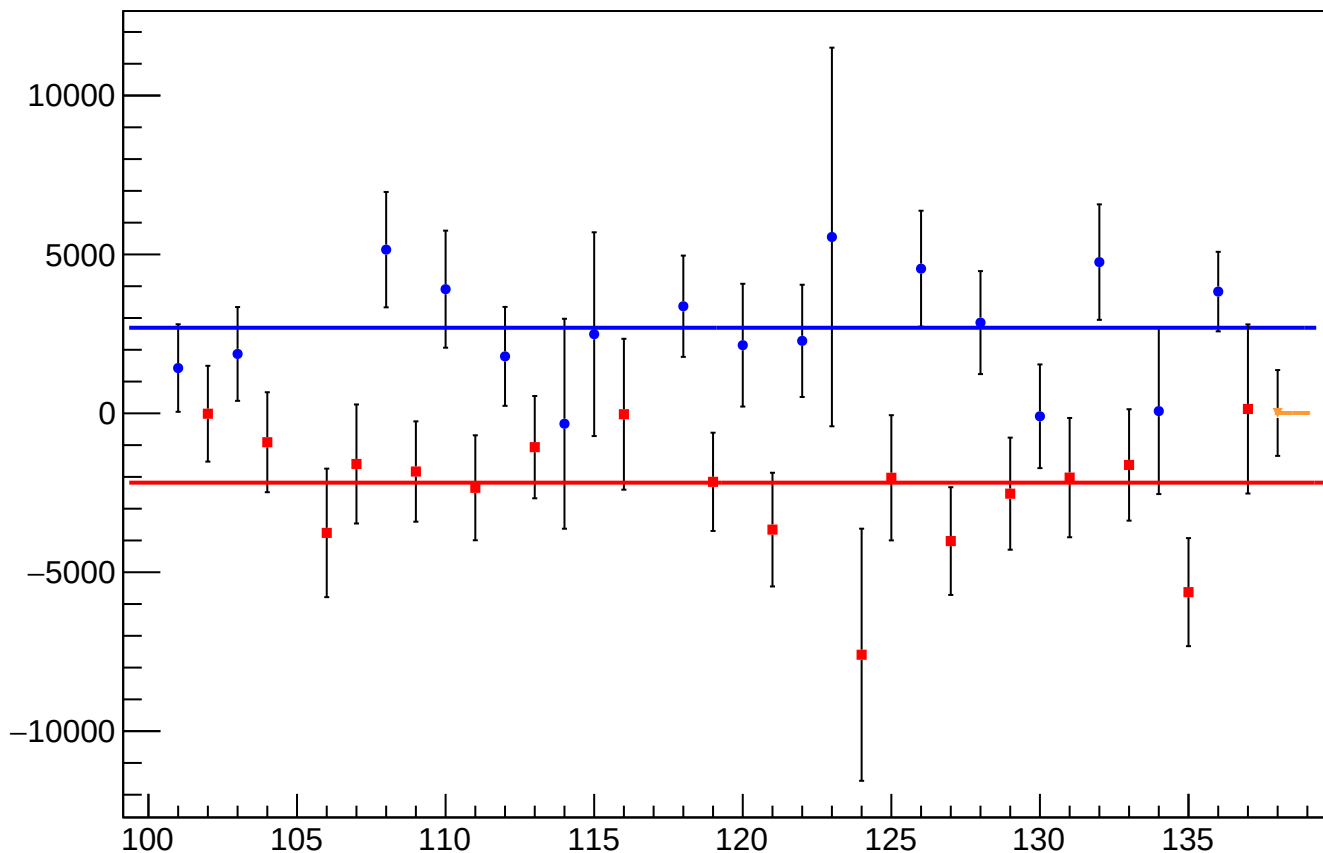
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1527.801+/-0.401  $\chi^2/\text{NDF}$ : 322973.4/16

All: 1522.639+/-0.288  $\chi^2/\text{NDF}$ : 798362.2/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_usr\_mean vs Slug



Right In: 2692.998+/-432.616  $\chi^2/\text{NDF}$ : 12.2/16

Left Out: 11.714+/-1350.458  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2180.980+/-425.451  $\chi^2/\text{NDF}$ : 13.5/17

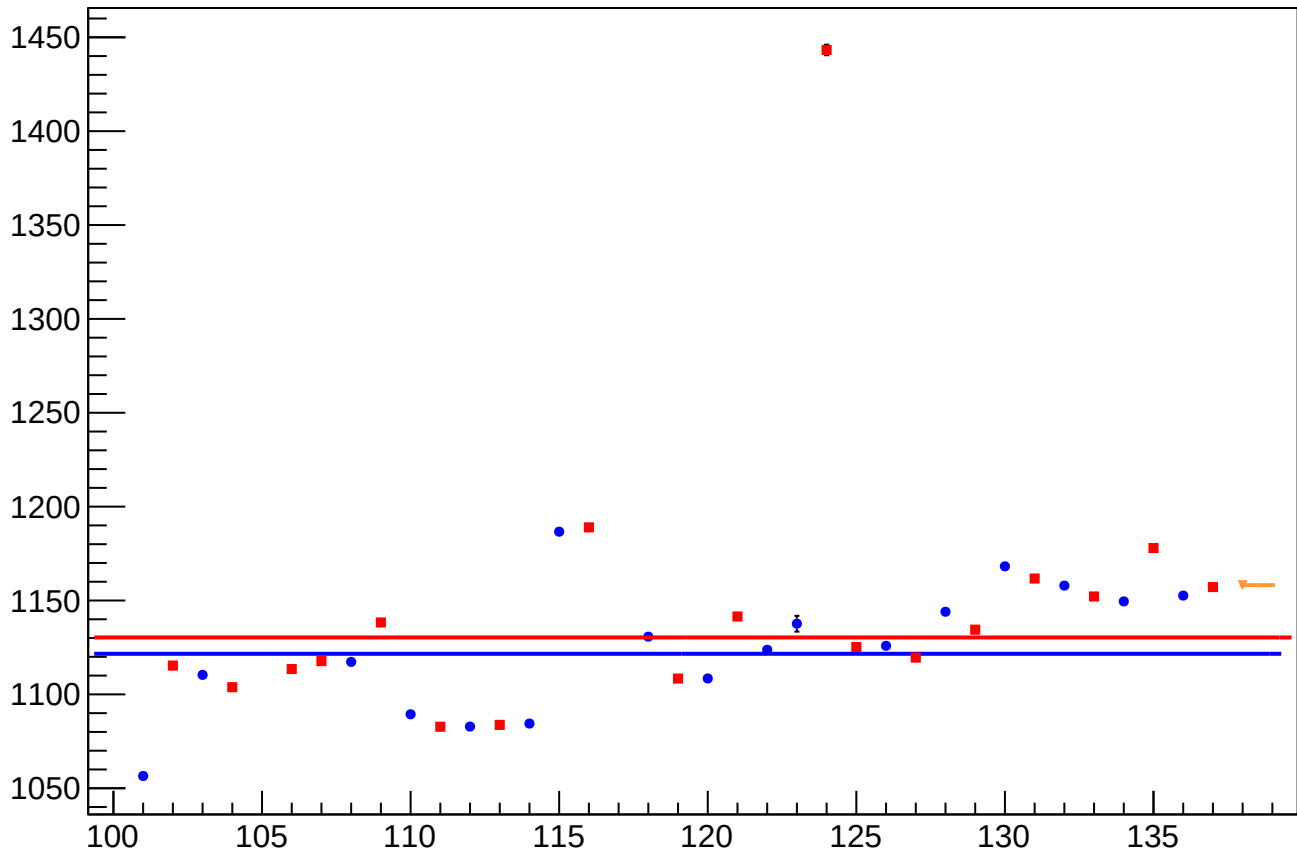
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2443.448+/-411.992  $\chi^2/\text{NDF}$ : 15.8/17

All: 205.535+/-295.966  $\chi^2/\text{NDF}$ : 90.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_usr\_rms vs Slug



Right In: 1121.626 $\pm$ 0.306  $\chi^2$ /NDF: 11980.2/16

Left Out: 1158.170 $\pm$ 0.955  $\chi^2$ /NDF: 0.0/0

Right Out: 1130.316 $\pm$ 0.301  $\chi^2$ /NDF: 21276.1/17

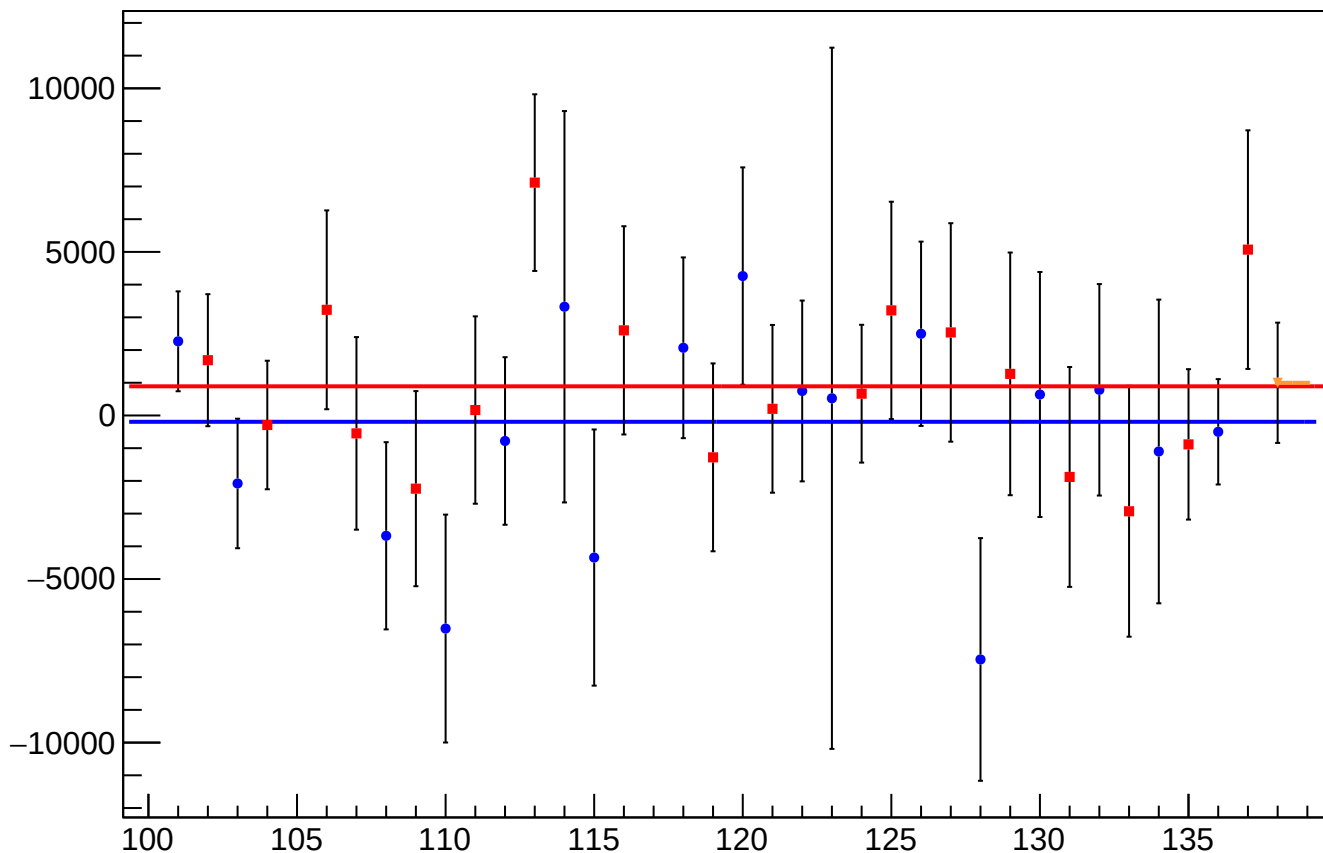
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1125.028 $\pm$ 0.291  $\chi^2$ /NDF: 13308.5/17

All: 1127.587 $\pm$ 0.209  $\chi^2$ /NDF: 34744.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_usr\_correction\_mean vs Slug



Right In:  $-193.332 \pm 660.359$   $\chi^2/\text{NDF}: 17.4/16$

Left Out:  $999.271 \pm 1838.190$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $891.057 \pm 649.405$   $\chi^2/\text{NDF}: 13.1/17$

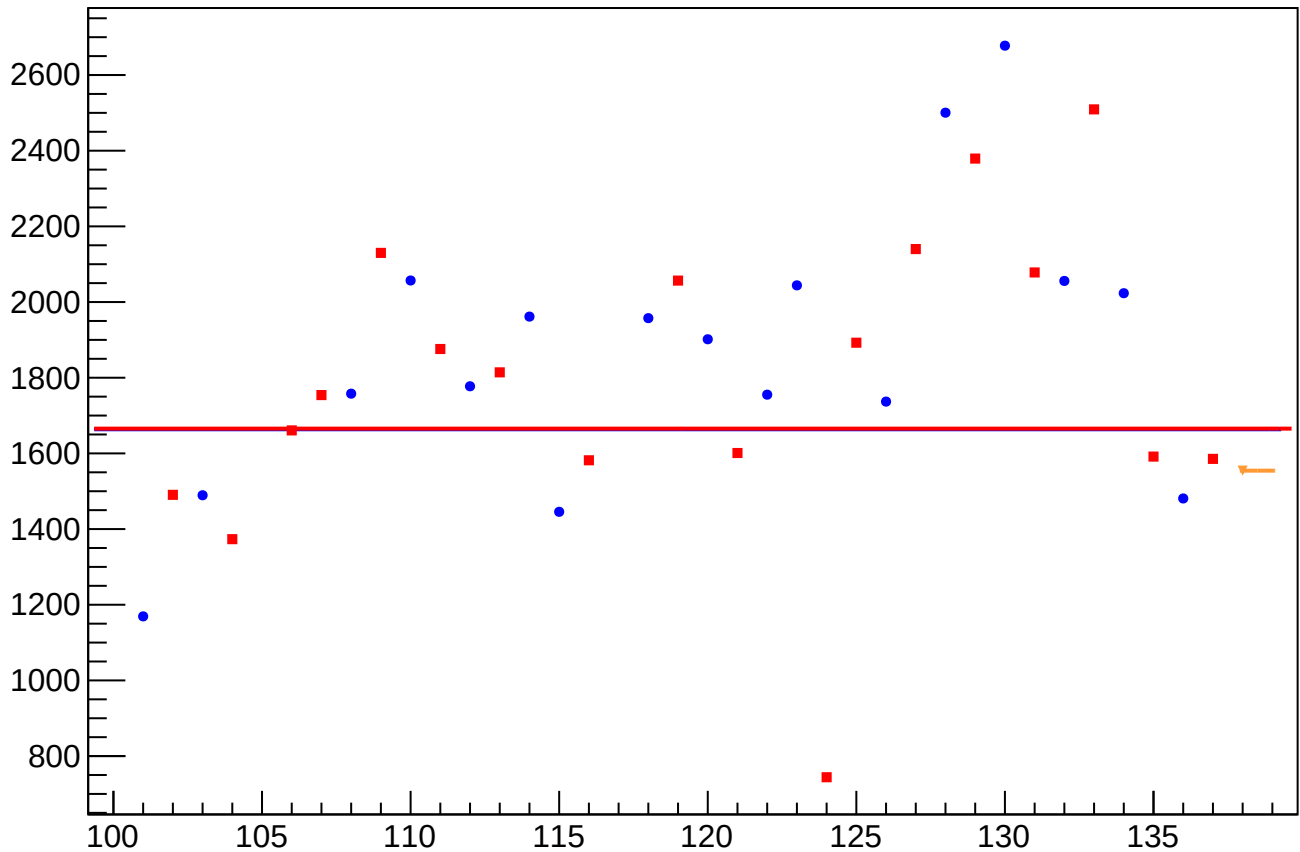
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-57.012 \pm 621.473$   $\chi^2/\text{NDF}: 17.7/17$

All:  $396.195 \pm 448.998$   $\chi^2/\text{NDF}: 31.9/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_usr\_correction\_rms vs Slug



Right In: 1663.779+/-0.467  $\chi^2/\text{NDF}$ : 622477.6/16

Left Out: 1554.392+/-1.300  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1665.466+/-0.459  $\chi^2/\text{NDF}$ : 802791.6/17

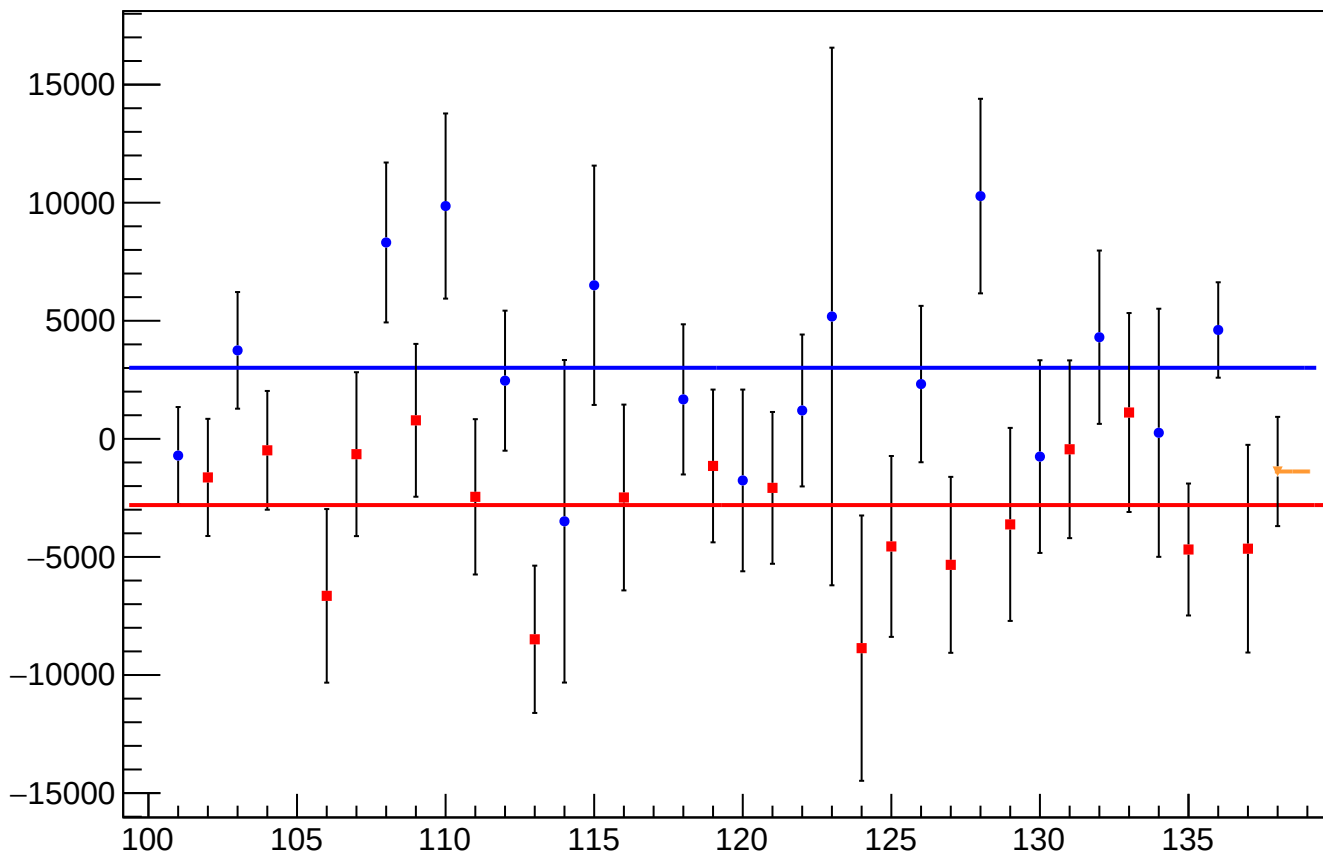
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1651.276+/-0.439  $\chi^2/\text{NDF}$ : 628750.5/17

All: 1658.059+/-0.317  $\chi^2/\text{NDF}$ : 1432040.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_usr\_mean vs Slug



Right In: 3009.190+/-799.647  $\chi^2/\text{NDF}$ : 17.4/16

Left Out: -1381.563+/-2313.008  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2803.971+/-799.589  $\chi^2/\text{NDF}$ : 11.2/17

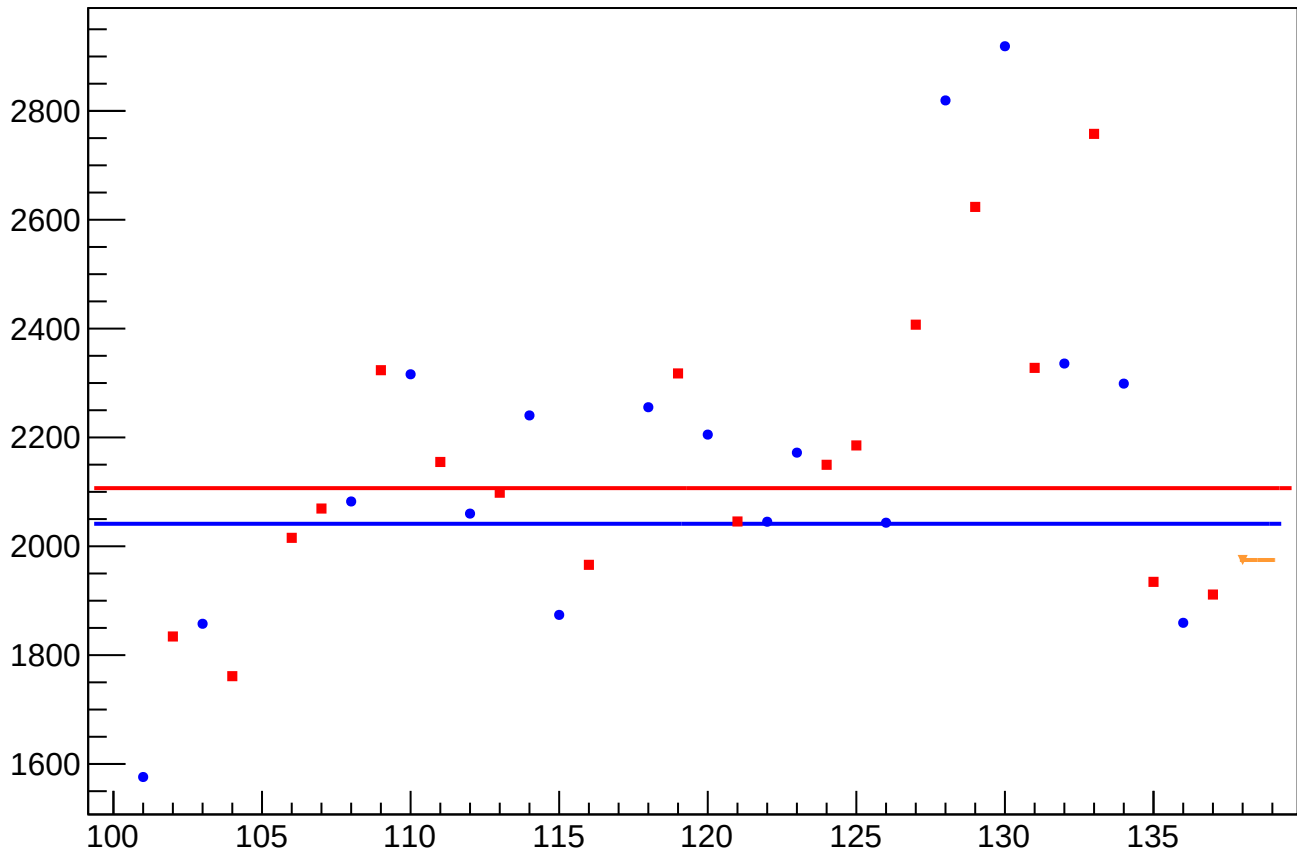
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2540.431+/-755.757  $\chi^2/\text{NDF}$ : 20.6/17

All: 18.724+/-549.243  $\chi^2/\text{NDF}$ : 55.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_usr\_rms vs Slug



Right In: 2041.348+/-0.565  $\chi^2/\text{NDF}$ : 338436.8/16

Left Out: 1974.816+/-1.636  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2106.845+/-0.565  $\chi^2/\text{NDF}$ : 196720.6/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

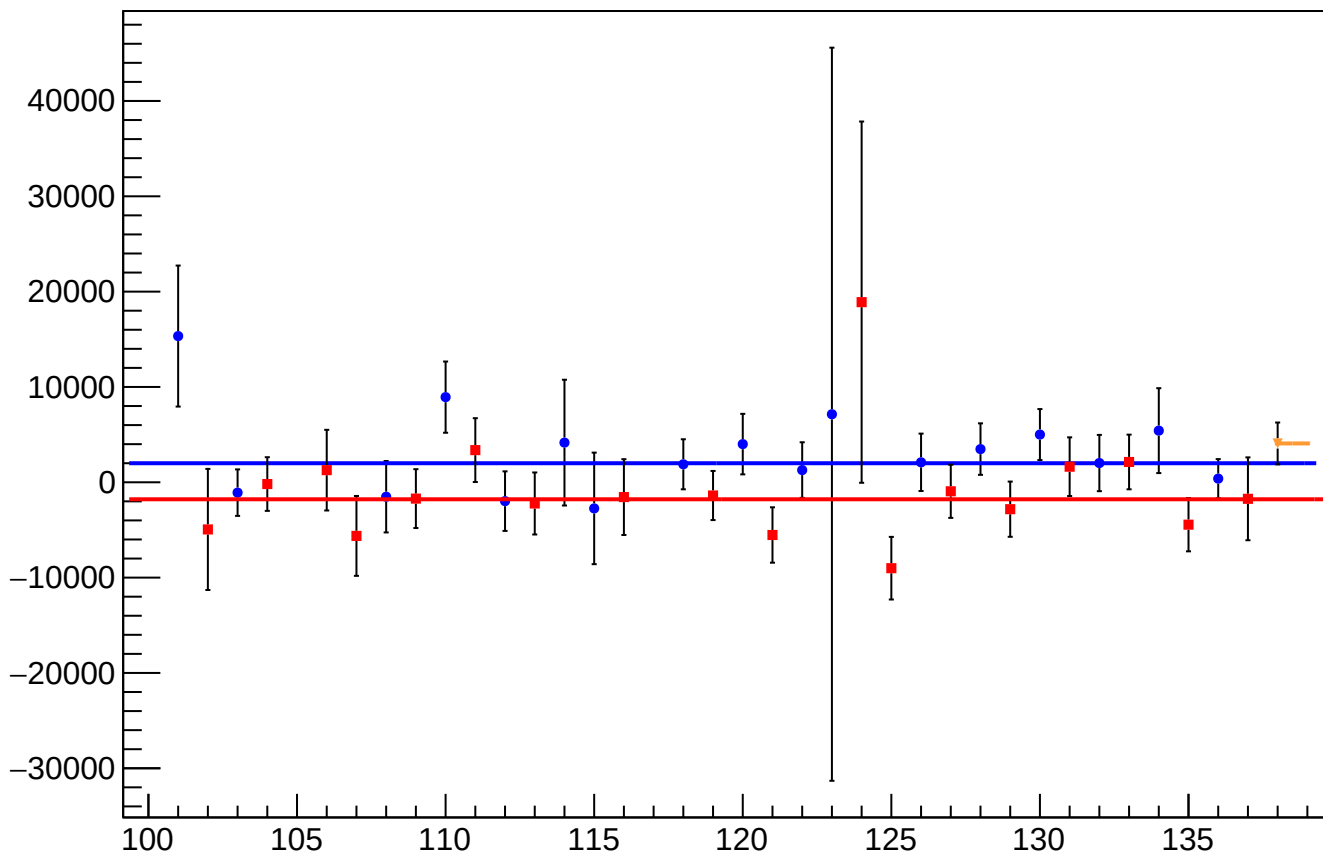
+ sign 2034.245+/-0.534  $\chi^2/\text{NDF}$ : 339914.9/17

All: 2068.501+/-0.388  $\chi^2/\text{NDF}$ : 545343.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_at1\_avg\_mean vs Slug



Right In: 1999.899+/-781.612  $\chi^2/\text{NDF}$ : 14.8/16

Left Out: 4075.425+/-2193.228  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1781.823+/-781.836  $\chi^2/\text{NDF}$ : 16.3/17

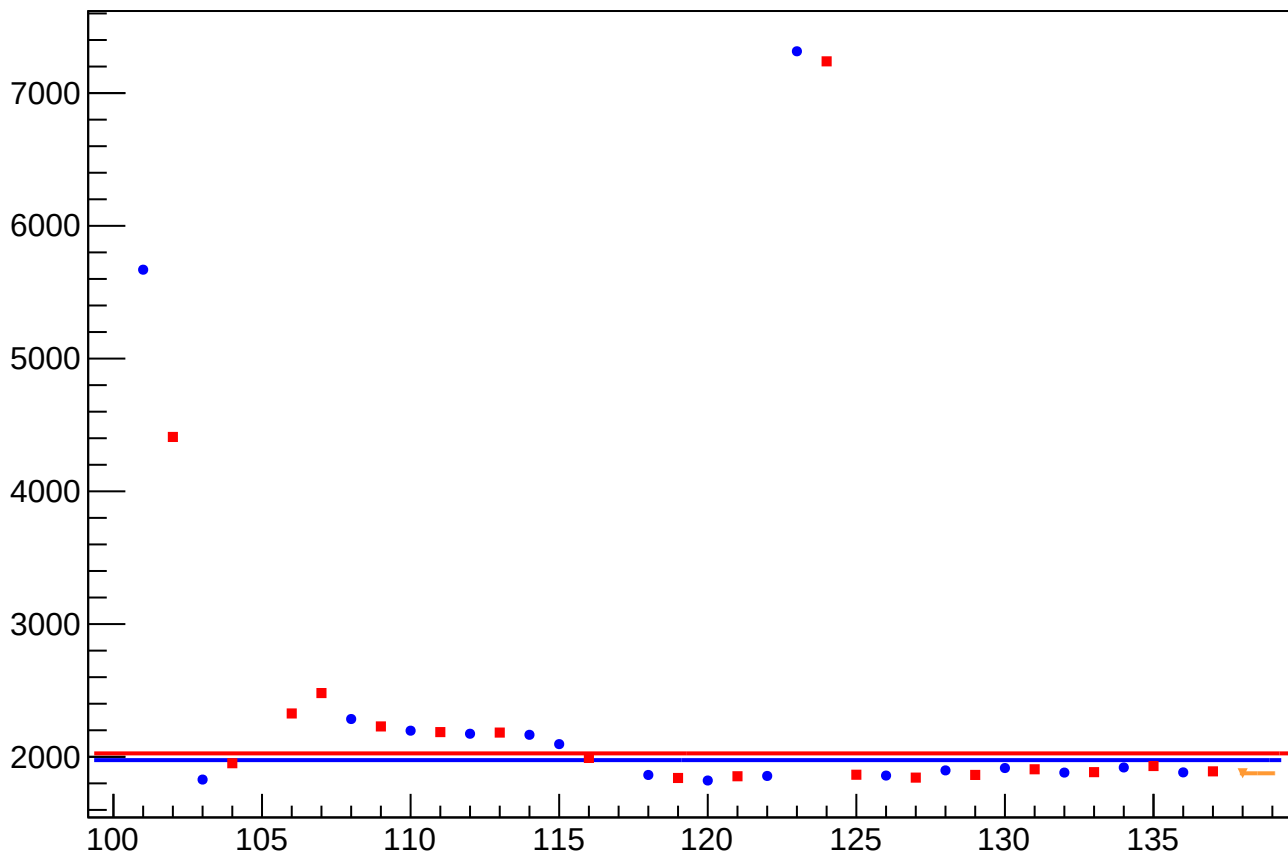
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2233.793+/-736.255  $\chi^2/\text{NDF}$ : 15.6/17

All: 346.445+/-536.001  $\chi^2/\text{NDF}$ : 45.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_at1\_avg\_rms vs Slug



Right In: 1975.109+/-0.553  $\chi^2/\text{NDF}$ : 599831.6/16

Left Out: 1875.898+/-1.551  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2025.871+/-0.553  $\chi^2/\text{NDF}$ : 535385.1/17

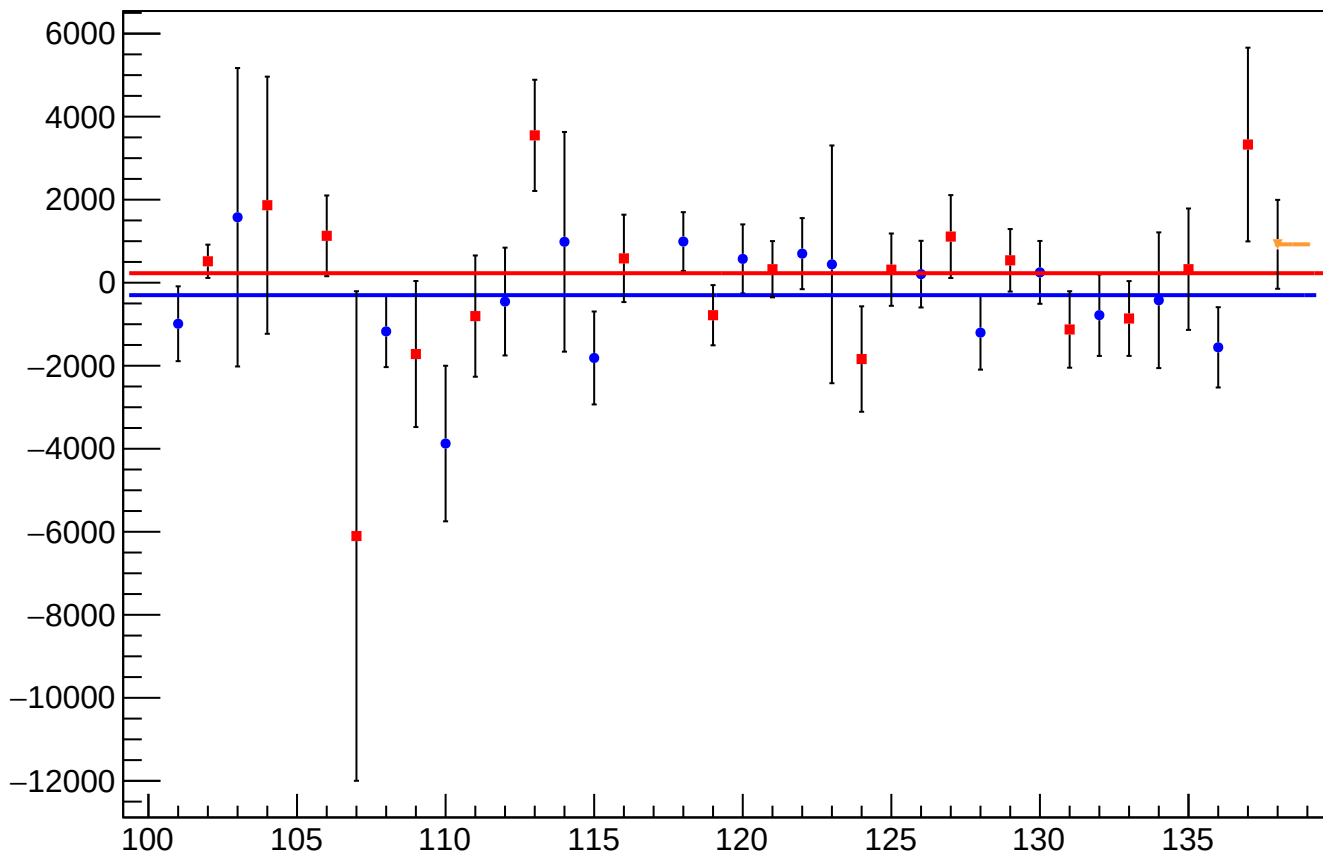
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1963.929+/-0.521  $\chi^2/\text{NDF}$ : 603462.9/17

All: 1993.042+/-0.379  $\chi^2/\text{NDF}$ : 1145501.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_at1\_avg\_correction\_mean vs Slug



Right In: -299.990+/-246.615  $\chi^2$ /NDF: 17.3/16

Left Out: 924.526+/-1070.623  $\chi^2$ /NDF: 0.0/0

Right Out: 228.794+/-215.624  $\chi^2$ /NDF: 21.8/17

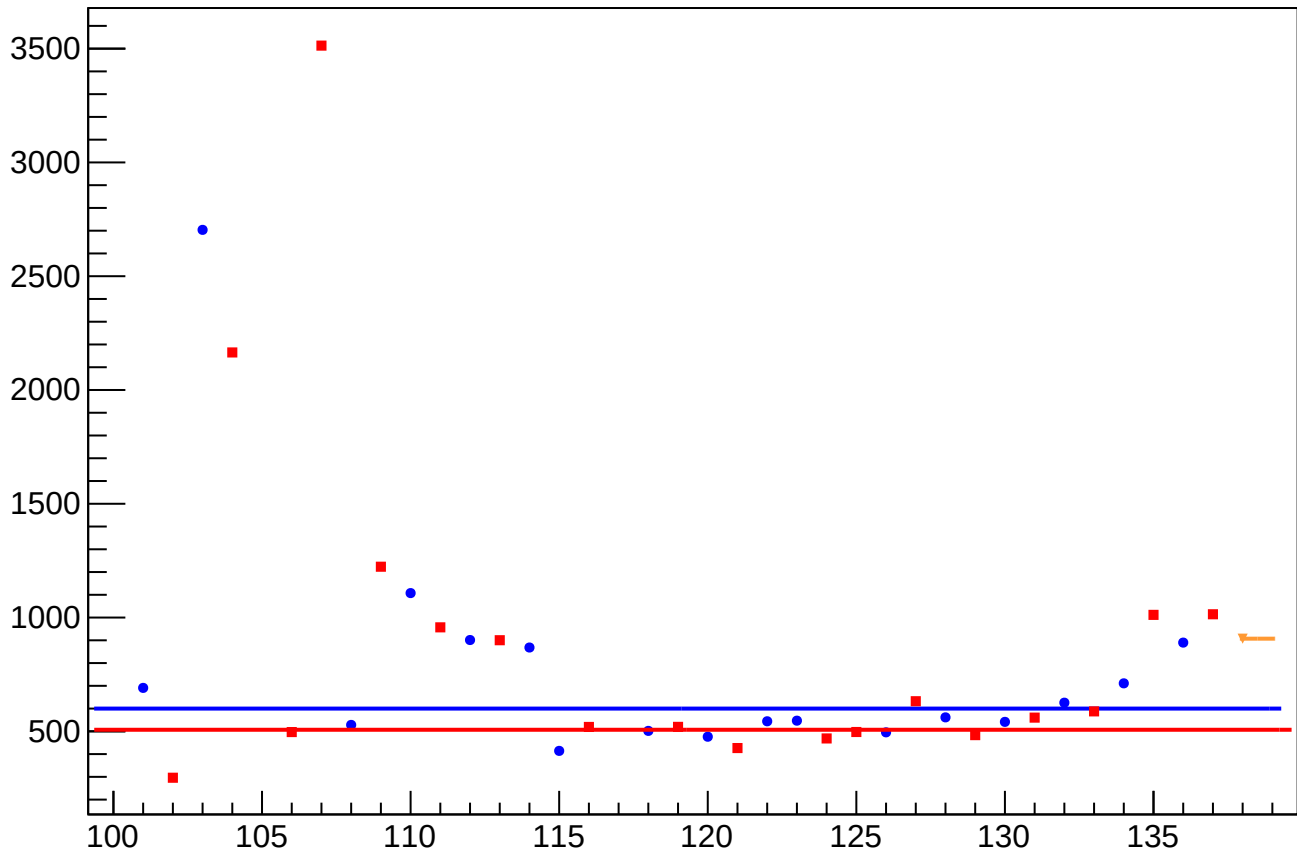
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign -238.291+/-240.322  $\chi^2$ /NDF: 18.6/17

All: 20.478+/-160.493  $\chi^2$ /NDF: 42.5/35

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at1\_avg\_correction\_rms vs Slug



Right In: 599.953+/-0.174  $\chi^2/\text{NDF}$ : 1381049.4/16

Left Out: 907.202+/-0.757  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 506.876+/-0.152  $\chi^2/\text{NDF}$ : 2760863.3/17

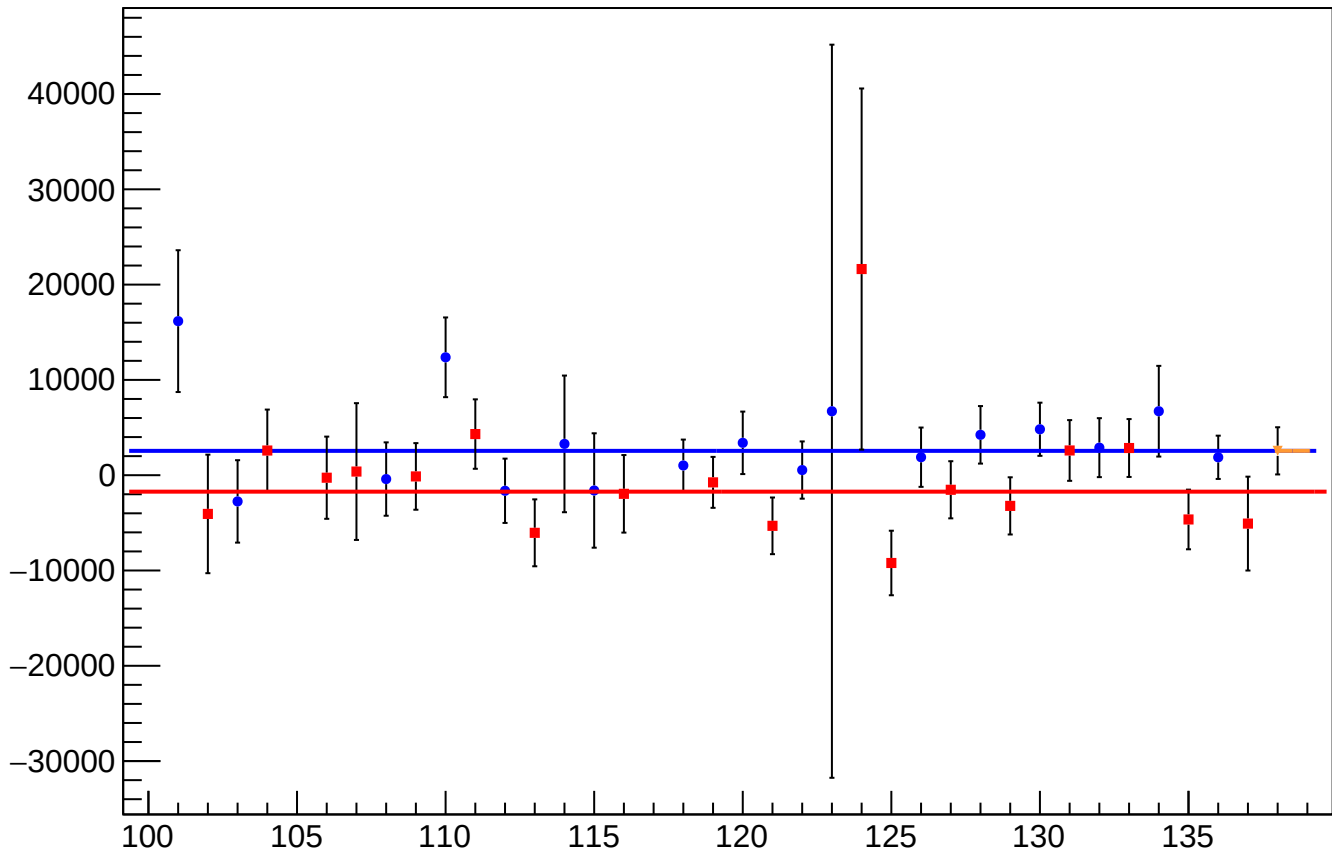
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 615.434+/-0.170  $\chi^2/\text{NDF}$ : 1537466.2/17

All: 555.292+/-0.113  $\chi^2/\text{NDF}$ : 4524424.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_at1\_avg\_mean vs Slug



Right In: 2553.597 $\pm$ 858.906  $\chi^2$ /NDF: 15.7/16

Left Out: 2555.432 $\pm$ 2475.577  $\chi^2$ /NDF: 0.0/0

Right Out: -1727.074 $\pm$ 855.162  $\chi^2$ /NDF: 19.5/17

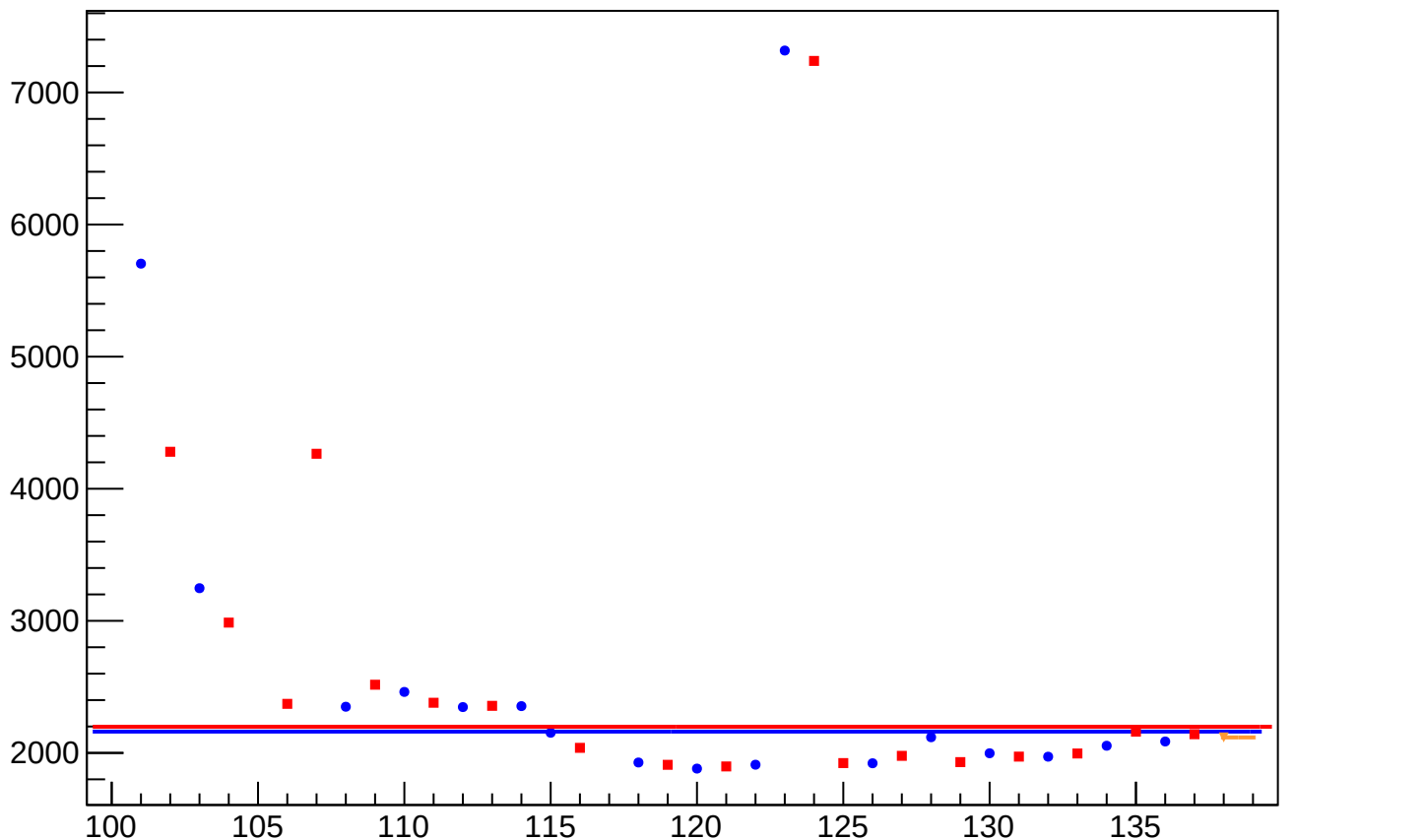
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 2553.794 $\pm$ 811.454  $\chi^2$ /NDF: 15.7/17

All: 525.552 $\pm$ 588.630  $\chi^2$ /NDF: 48.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at1\_avg\_rms vs Slug



Right In: 2161.418+/-0.607  $\chi^2/\text{NDF}$ : 711253.3/16

Left Out: 2117.352+/-1.750  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2198.187+/-0.605  $\chi^2/\text{NDF}$ : 733873.5/17

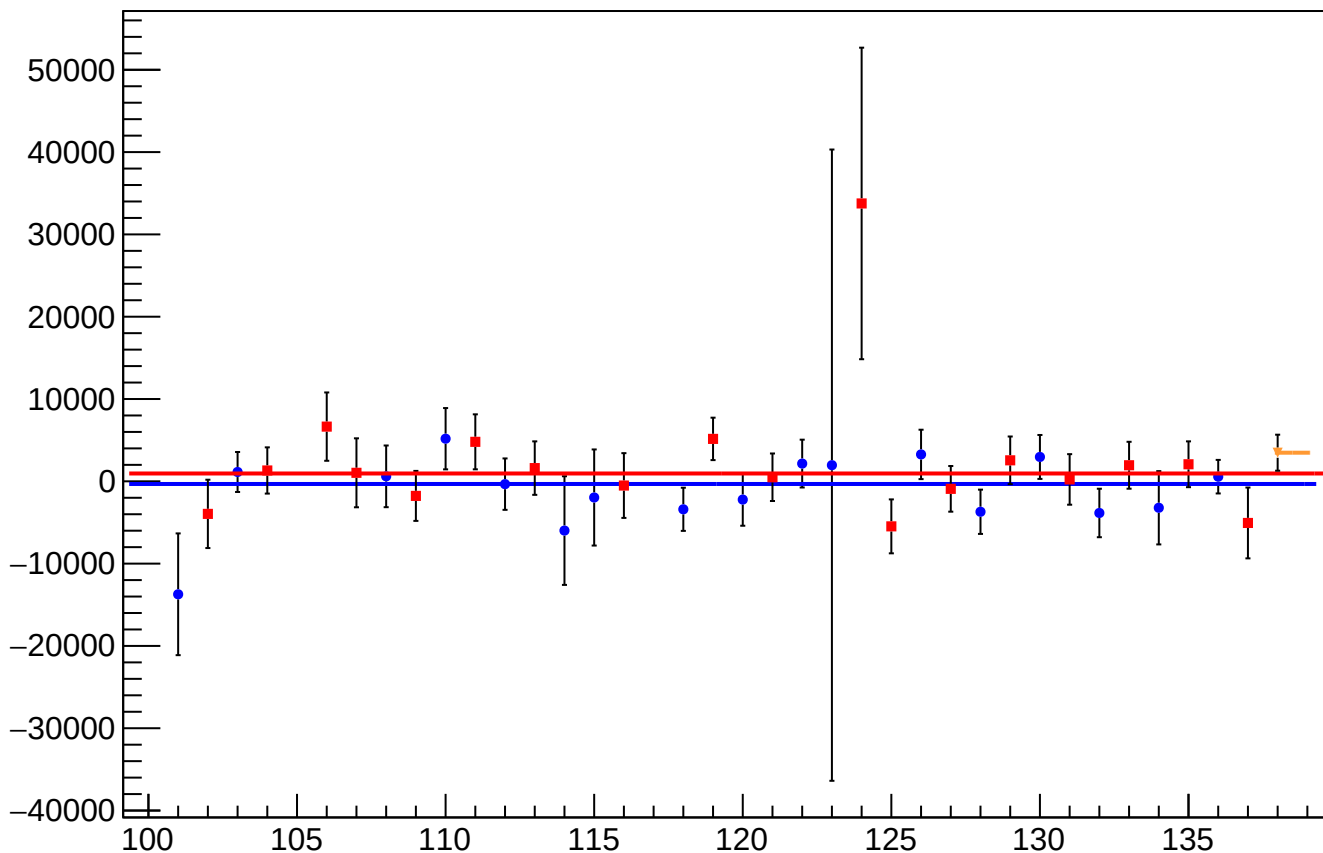
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2156.684+/-0.574  $\chi^2/\text{NDF}$ : 711818.9/17

All: 2176.348+/-0.416  $\chi^2/\text{NDF}$ : 1448171.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_at1\_dd\_mean vs Slug



Right In: -323.738+/-779.509  $\chi^2/\text{NDF}$ : 15.7/16

Left Out: 3477.128+/-2187.558  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 951.303+/-770.284  $\chi^2/\text{NDF}$ : 18.2/17

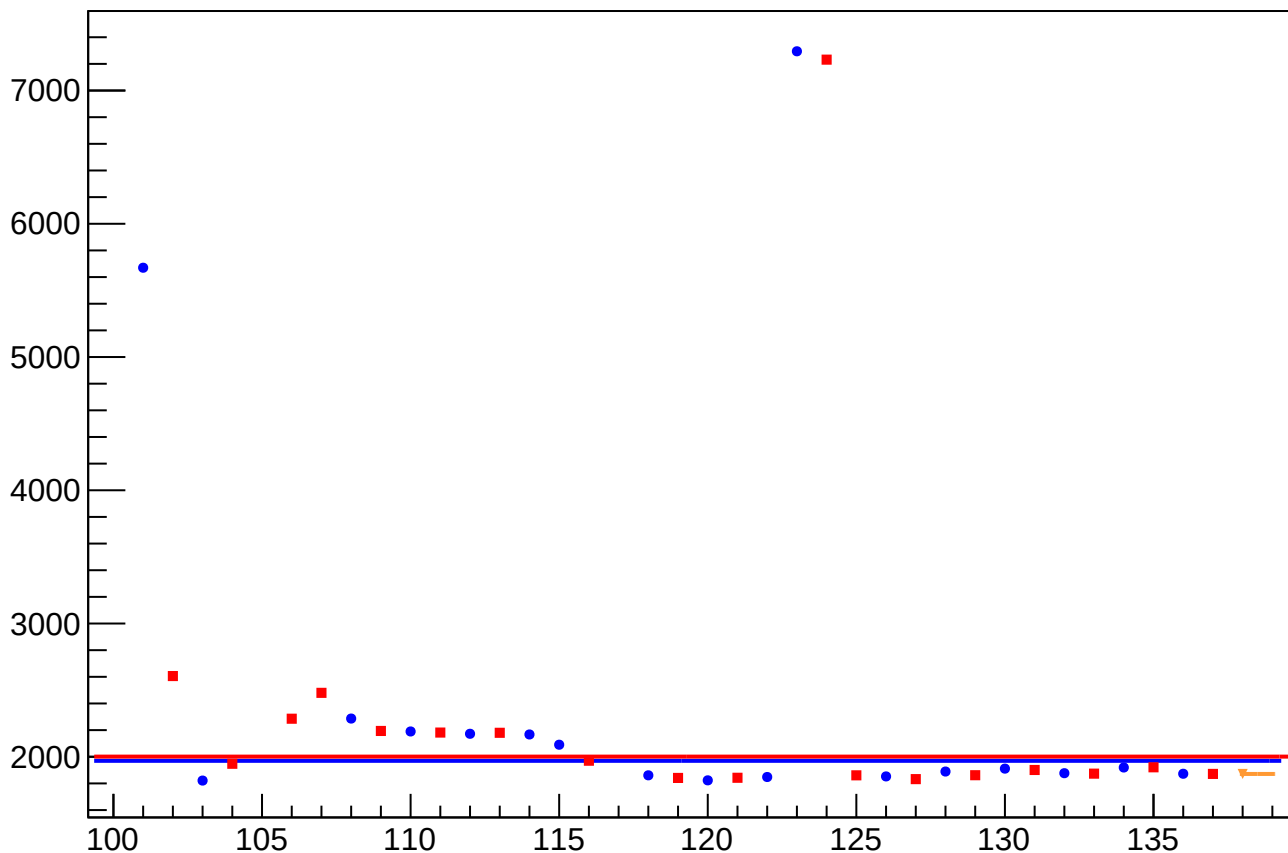
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 104.505+/-734.283  $\chi^2/\text{NDF}$ : 18.4/17

All: 507.654+/-531.488  $\chi^2/\text{NDF}$ : 37.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_at1\_dd\_rms vs Slug



Right In: 1969.494+/-0.551  $\chi^2/\text{NDF}$ : 602810.5/16

Left Out: 1871.047+/-1.547  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2001.177+/-0.545  $\chi^2/\text{NDF}$ : 290624.5/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

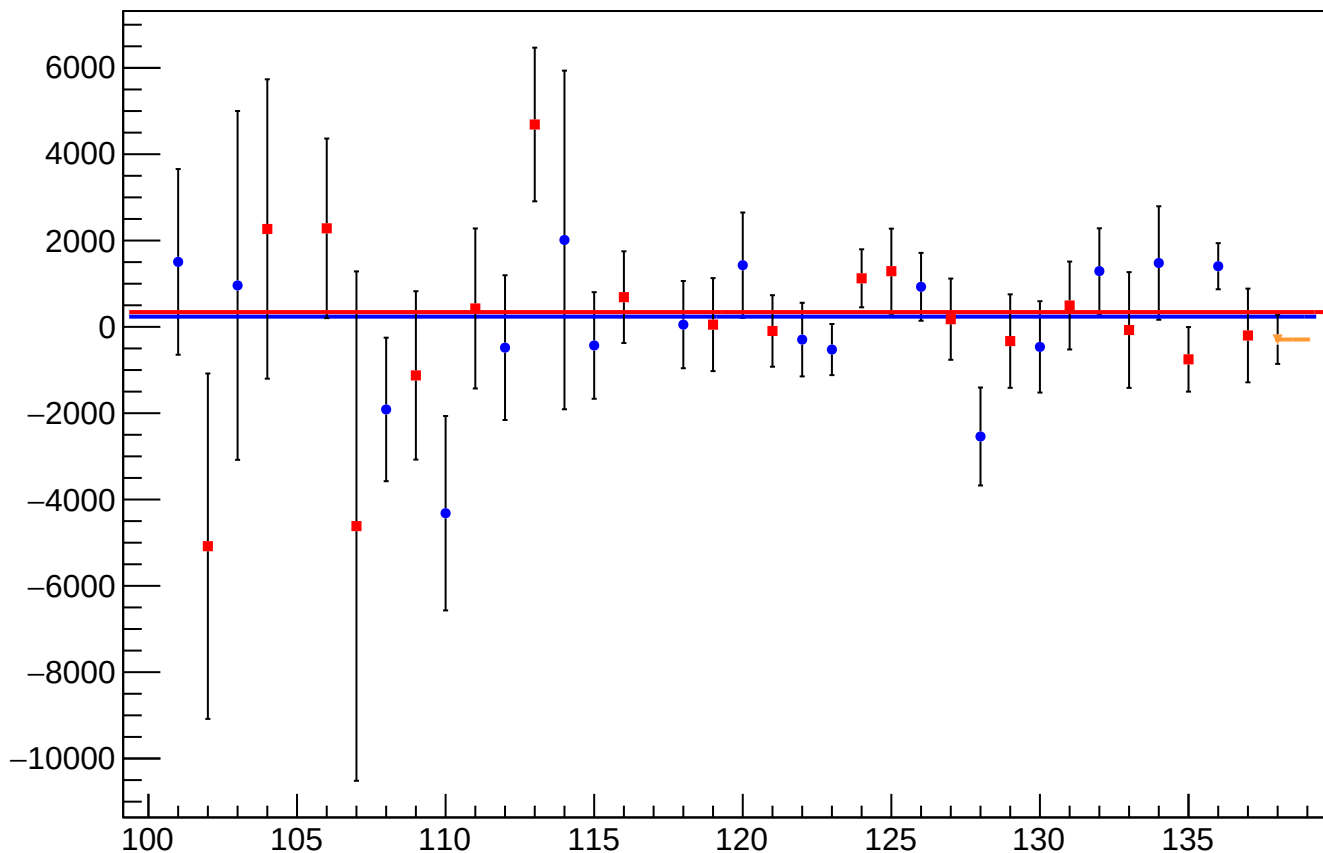
+ sign 1958.402+/-0.519  $\chi^2/\text{NDF}$ : 606404.7/17

All: 1978.767+/-0.376  $\chi^2/\text{NDF}$ : 900260.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_at1\_dd\_correction\_mean vs Slug



Right In: 236.864 $\pm$ 248.604  $\chi^2$ /NDF: 23.9/16

Left Out: -292.588 $\pm$ 565.170  $\chi^2$ /NDF: 0.0/0

Right Out: 342.796 $\pm$ 268.580  $\chi^2$ /NDF: 15.9/17

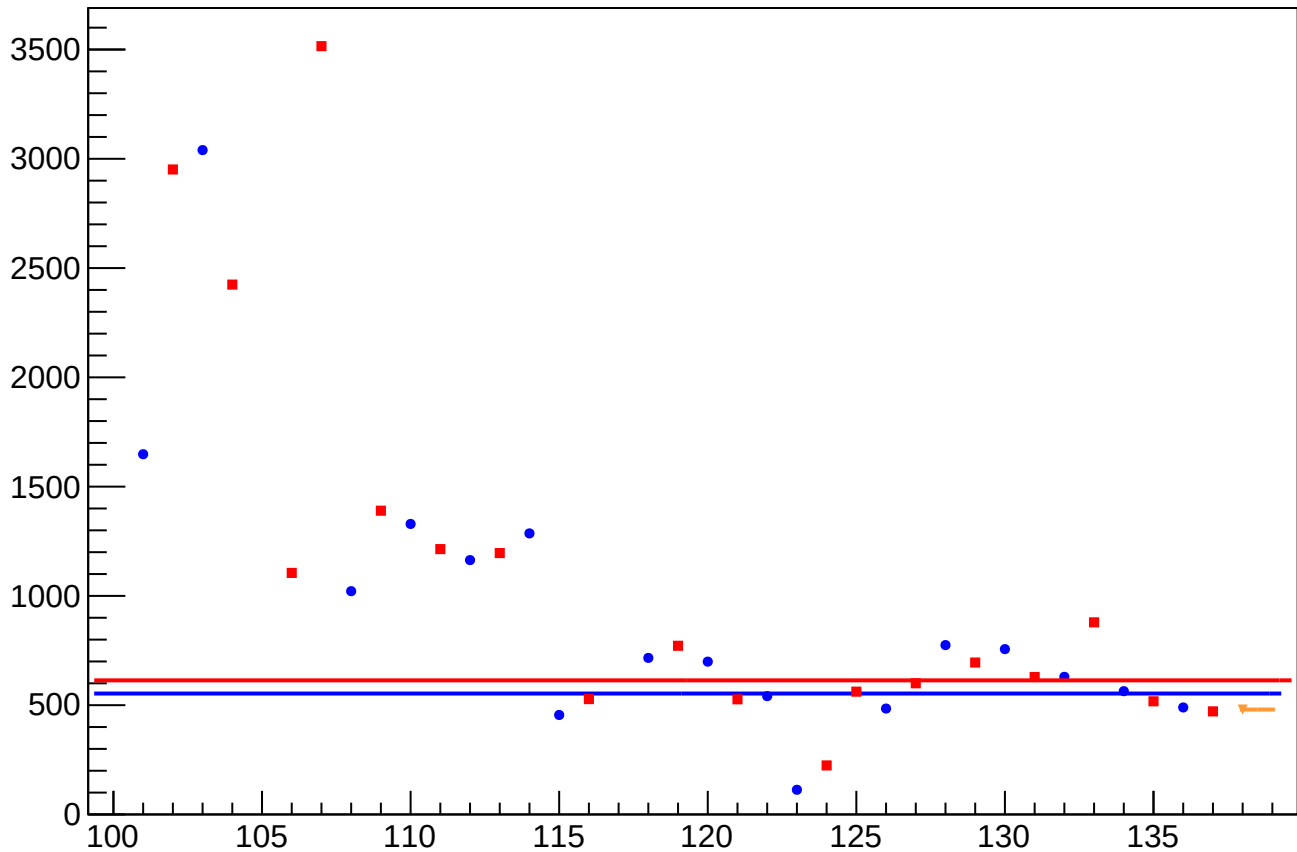
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 151.029 $\pm$ 227.561  $\chi^2$ /NDF: 24.6/17

All: 231.166 $\pm$ 173.621  $\chi^2$ /NDF: 40.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at1\_dd\_correction\_rms vs Slug



Right In: 553.280+/-0.176  $\chi^2/\text{NDF}$ : 3412747.4/16

Left Out: 480.009+/-0.400  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 613.577+/-0.190  $\chi^2/\text{NDF}$ : 3476374.3/17

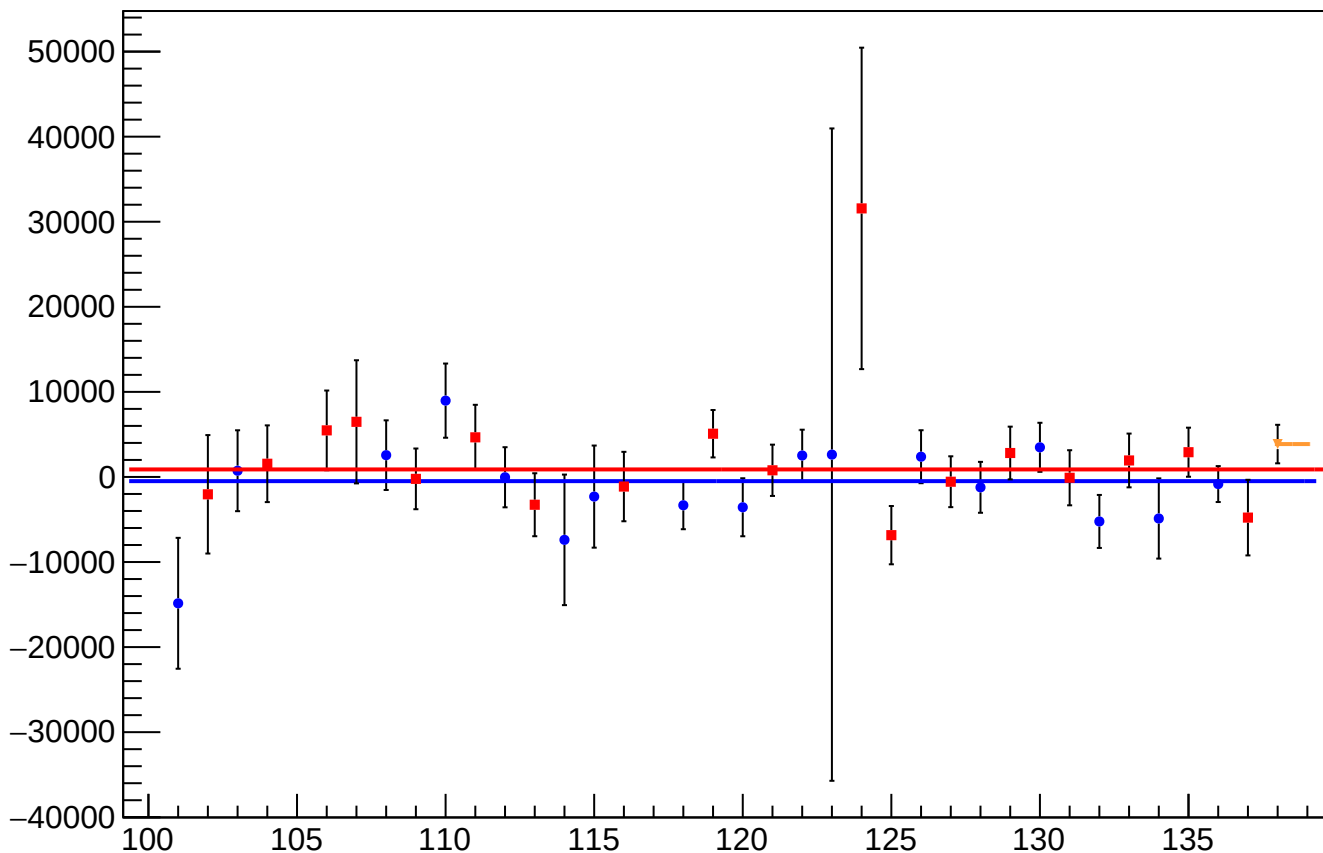
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 541.401+/-0.161  $\chi^2/\text{NDF}$ : 3440913.1/17

All: 571.562+/-0.123  $\chi^2/\text{NDF}$ : 7001363.6/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_at1\_dd\_mean vs Slug



Right In: -491.940+/-867.988  $\chi^2/\text{NDF}$ : 18.6/16

Left Out: 3865.230+/-2263.582  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 884.654+/-869.140  $\chi^2/\text{NDF}$ : 17.3/17

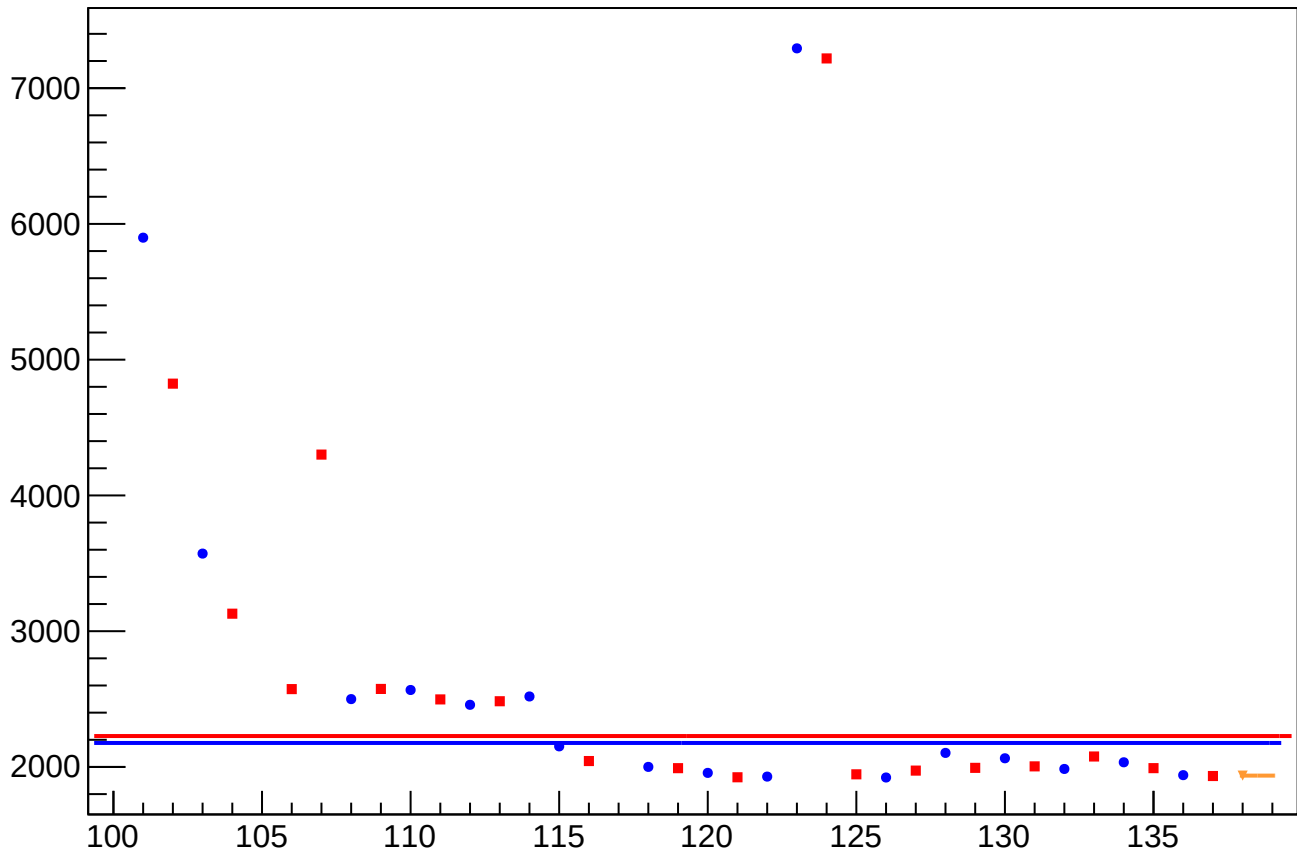
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 66.609+/-810.447  $\chi^2/\text{NDF}$ : 21.8/17

All: 447.080+/-592.737  $\chi^2/\text{NDF}$ : 39.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_at1\_dd\_rms vs Slug



Right In: 2176.746+/-0.614  $\chi^2/\text{NDF}$ : 802677.9/16

Left Out: 1936.203+/-1.601  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2227.688+/-0.615  $\chi^2/\text{NDF}$ : 825665.5/17

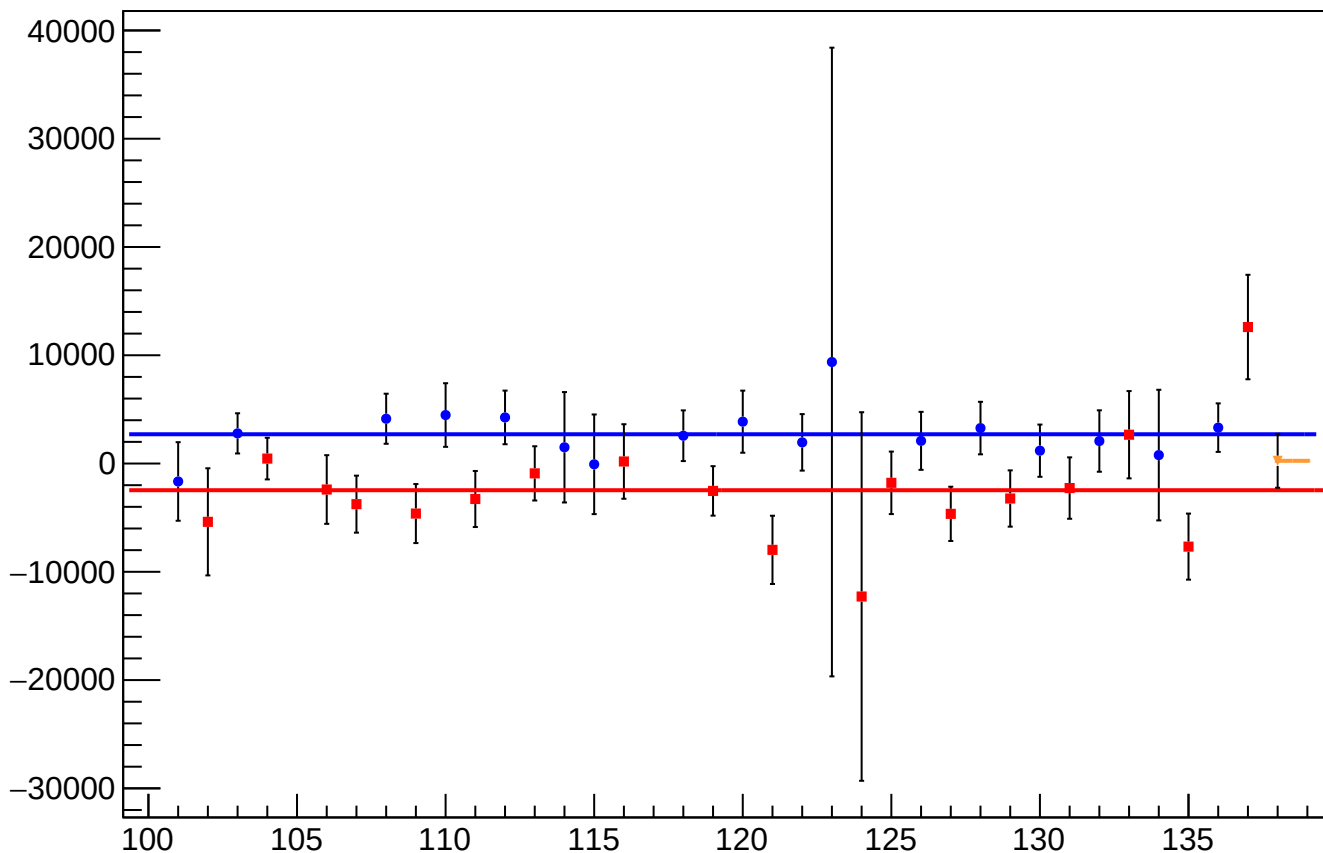
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2145.911+/-0.573  $\chi^2/\text{NDF}$ : 822367.9/17

All: 2183.945+/-0.419  $\chi^2/\text{NDF}$ : 1657504.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_at2\_avg\_mean vs Slug



Right In: 2703.508+/-673.898  $\chi^2/\text{NDF}$ : 4.0/16

Left Out: 250.367+/-2490.159  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2464.583+/-683.276  $\chi^2/\text{NDF}$ : 23.2/17

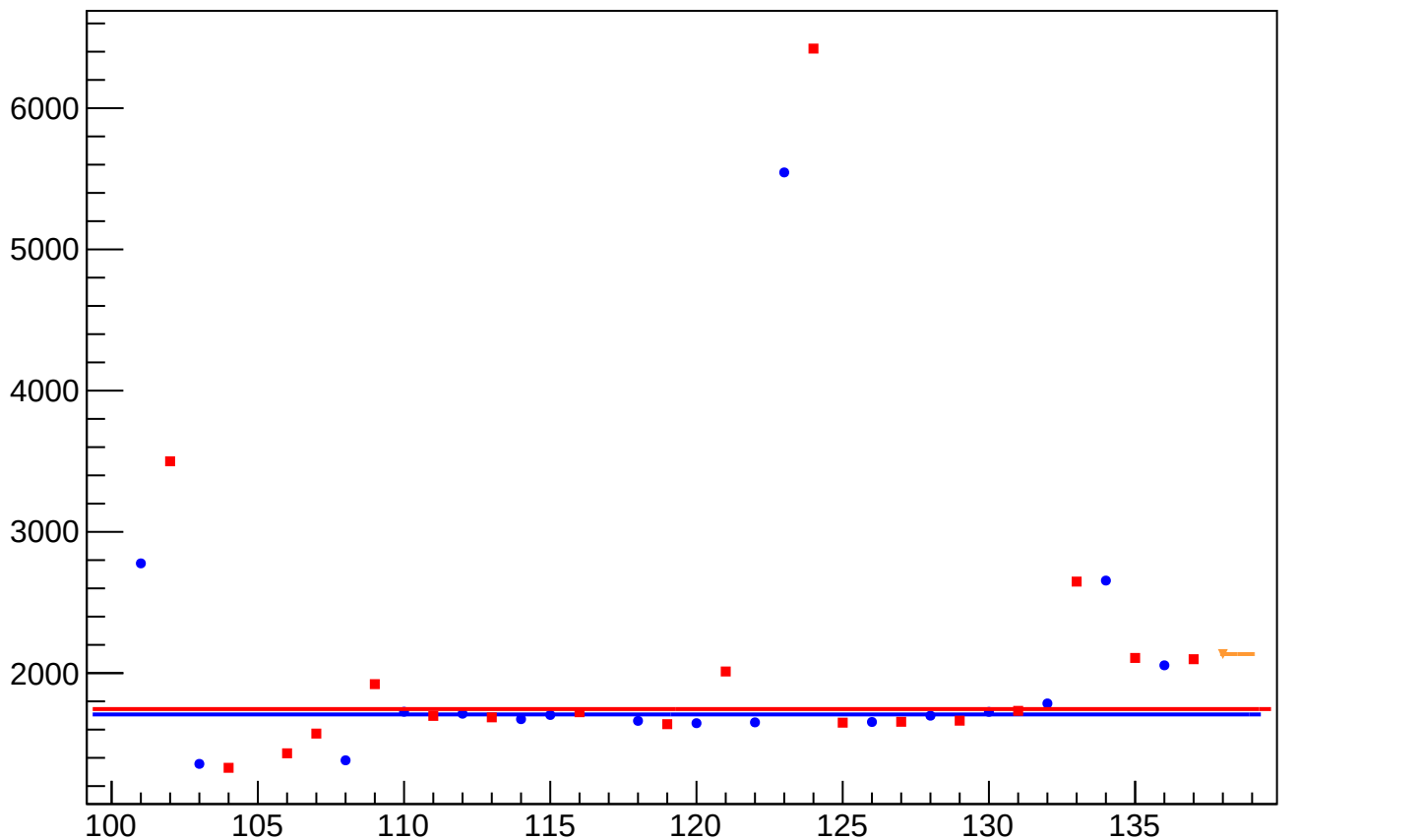
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2536.106+/-650.499  $\chi^2/\text{NDF}$ : 4.9/17

All: 158.580+/-471.134  $\chi^2/\text{NDF}$ : 56.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_at2\_avg\_rms vs Slug



Right In: 1707.386+/-0.477  $\chi^2/\text{NDF}$ : 422166.4/16

Left Out: 2134.759+/-1.761  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1745.551+/-0.483  $\chi^2/\text{NDF}$ : 699240.7/17

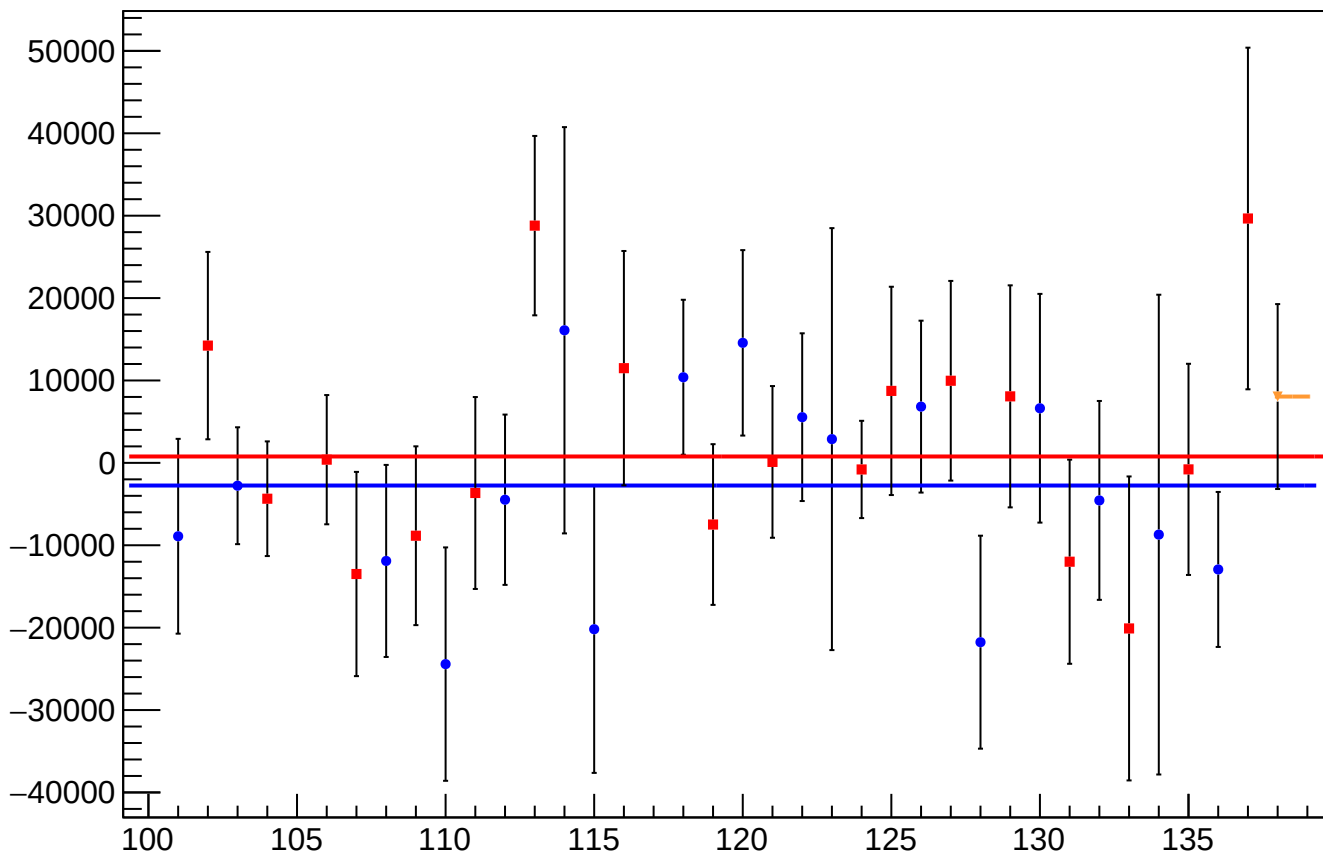
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1736.550+/-0.460  $\chi^2/\text{NDF}$ : 477056.4/17

All: 1740.831+/-0.333  $\chi^2/\text{NDF}$ : 1176479.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_at2\_avg\_correction\_mean vs Slug



Right In: -2750.725 $\pm$ 2842.399  $\chi^2$ /NDF: 14.6/16

Left Out: 8048.721 $\pm$ 11222.208  $\chi^2$ /NDF: 0.0/0

Right Out: 774.921 $\pm$ 2440.788  $\chi^2$ /NDF: 17.7/17

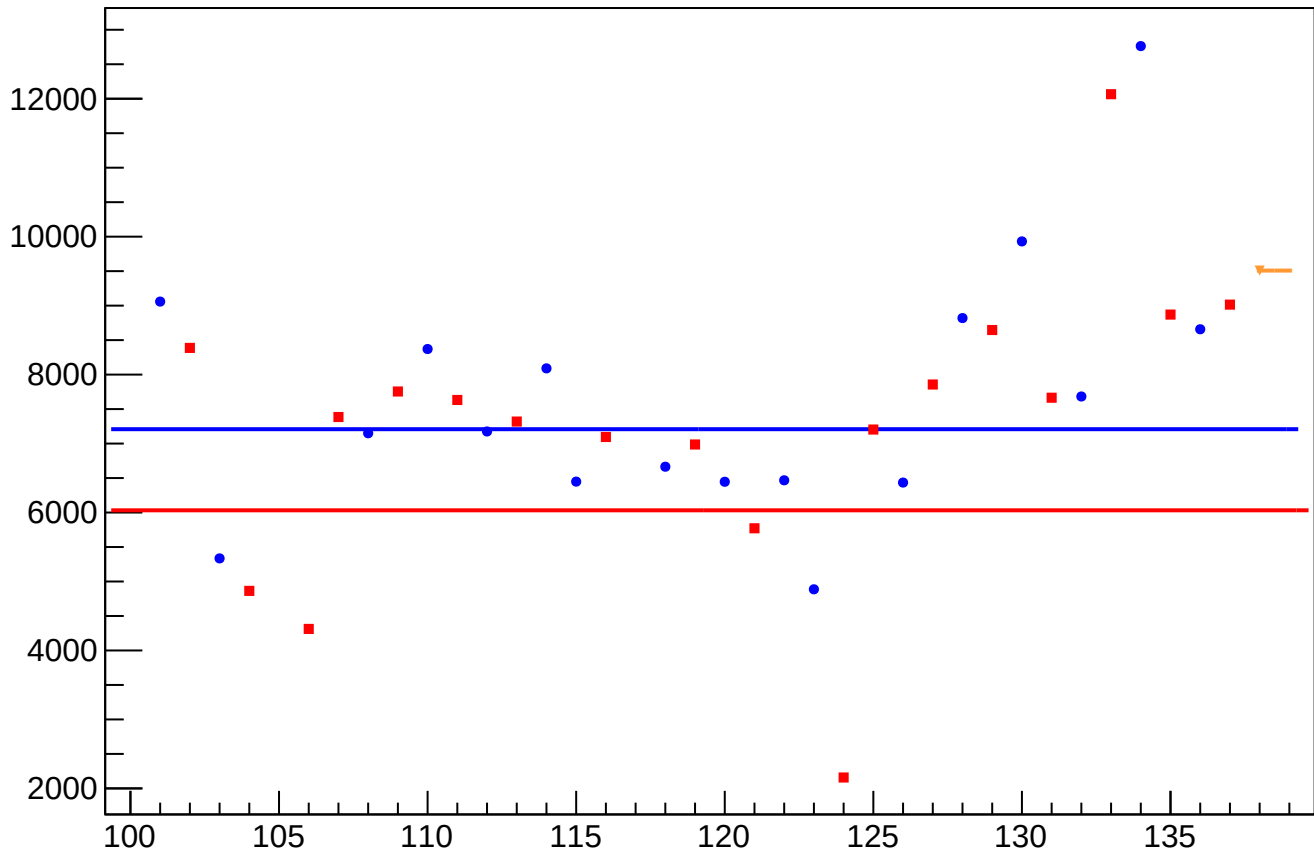
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -2099.680 $\pm$ 2755.391  $\chi^2$ /NDF: 15.4/17

All: -488.973 $\pm$ 1827.047  $\chi^2$ /NDF: 33.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at2\_avg\_correction\_rms vs Slug



Right In: 7208.346 $\pm$ 2.010  $\chi^2$ /NDF: 493749.9/16

Left Out: 9508.320 $\pm$ 7.935  $\chi^2$ /NDF: 0.0/0

Right Out: 6032.193 $\pm$ 1.726  $\chi^2$ /NDF: 1797562.8/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

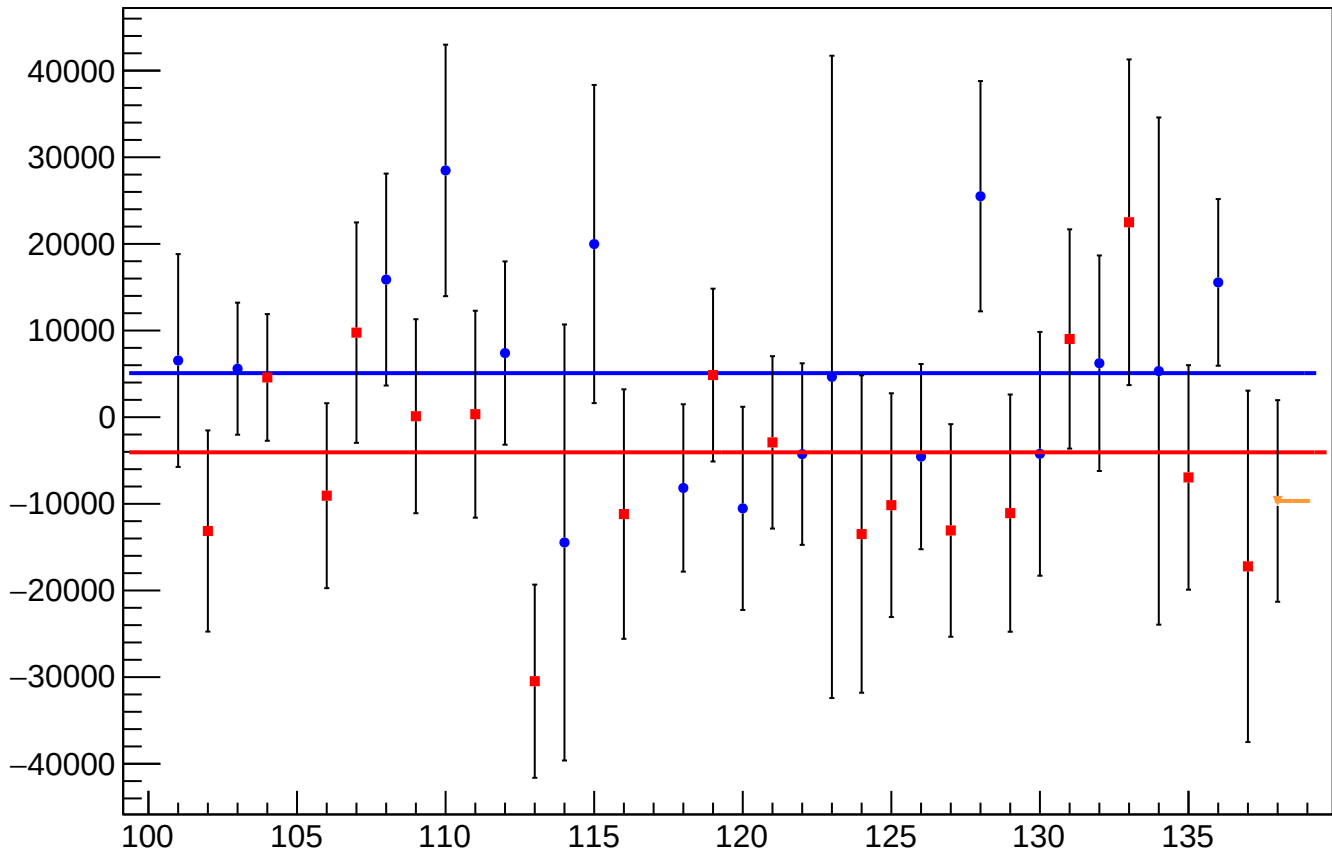
+ sign 7347.000 $\pm$ 1.948  $\chi^2$ /NDF: 572693.2/17

All: 6610.282 $\pm$ 1.292  $\chi^2$ /NDF: 2625424.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_at2\_avg\_mean vs Slug



Right In: 5084.628 $\pm$ 2955.245  $\chi^2$ /NDF: 14.0/16

Left Out: -9668.730 $\pm$ 11635.346  $\chi^2$ /NDF:0.0/0

Right Out: -4055.589 $\pm$ 2800.076  $\chi^2$ /NDF: 15.2/17

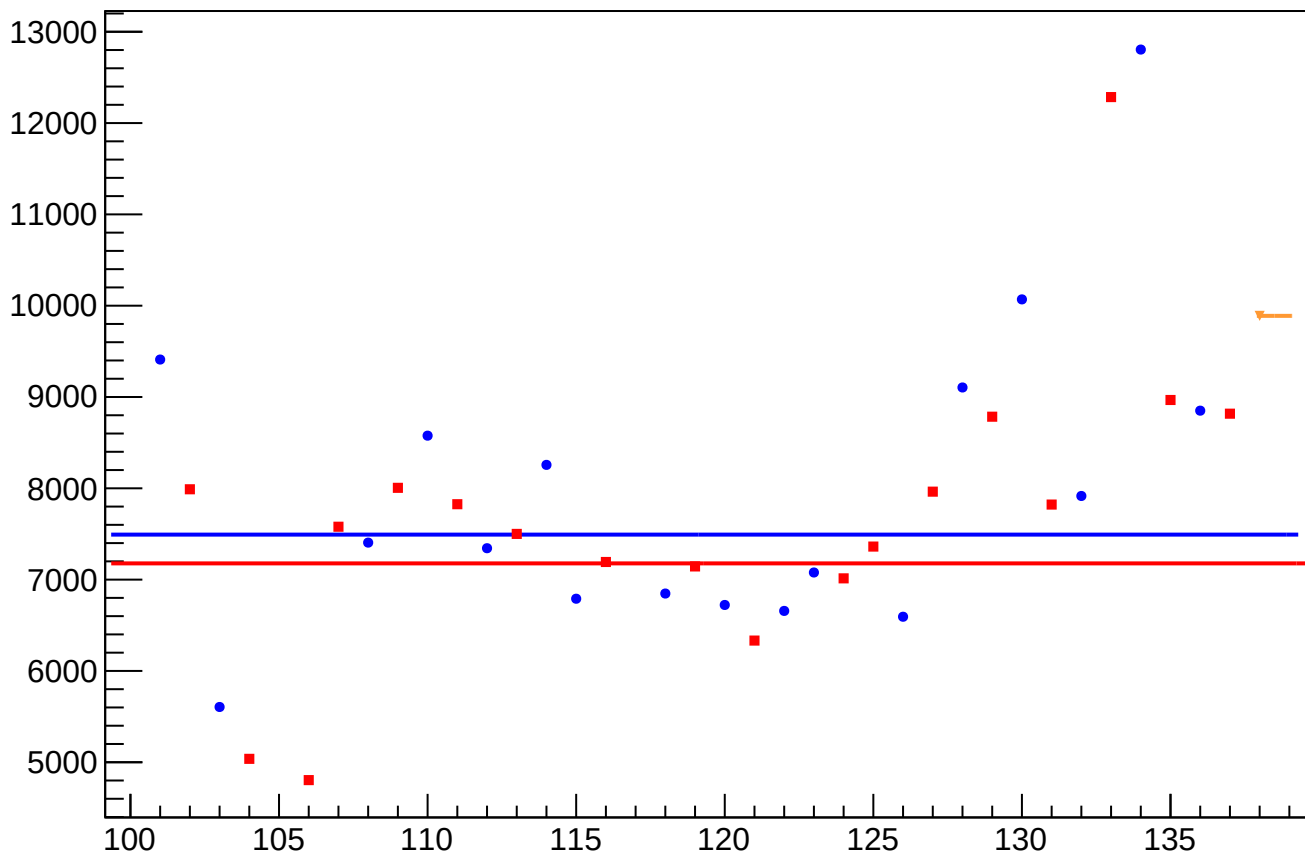
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 4190.562 $\pm$ 2864.300  $\chi^2$ /NDF: 15.5/17

All: -25.999 $\pm$ 2002.273  $\chi^2$ /NDF: 34.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at2\_avg\_rms vs Slug



Right In: 7492.918+/-2.090  $\chi^2/\text{NDF}$ : 437084.4/16

Left Out: 9888.674+/-8.227  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7177.811+/-1.980  $\chi^2/\text{NDF}$ : 555902.2/17

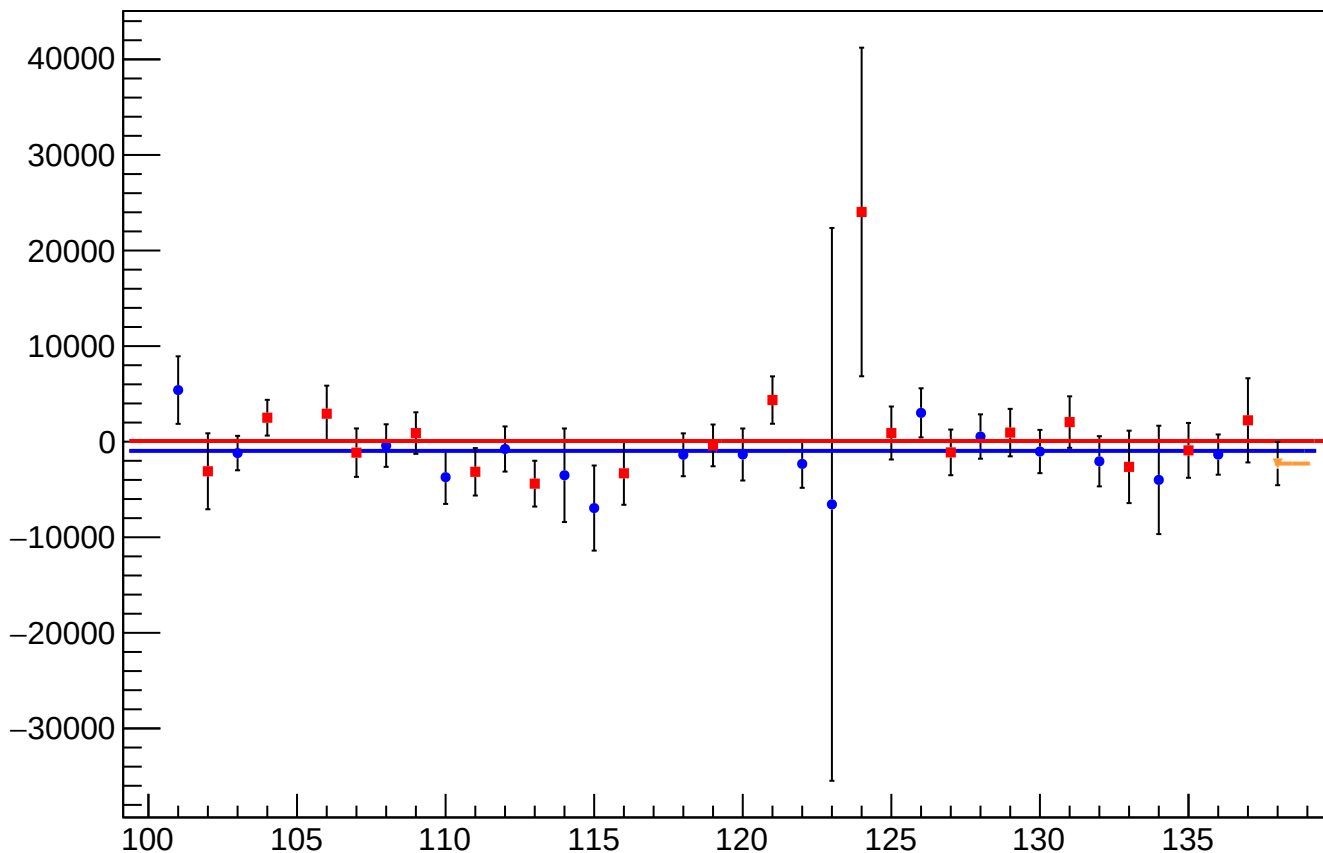
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 7638.096+/-2.025  $\chi^2/\text{NDF}$ : 516738.5/17

All: 7402.711+/-1.416  $\chi^2/\text{NDF}$ : 1099053.7/39

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_at2\_dd\_mean vs Slug



Right In: -962.541+/-643.025  $\chi^2/\text{NDF}$ : 10.1/16

Left Out: -2288.470+/-2263.415  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 71.322+/-634.426  $\chi^2/\text{NDF}$ : 16.7/17

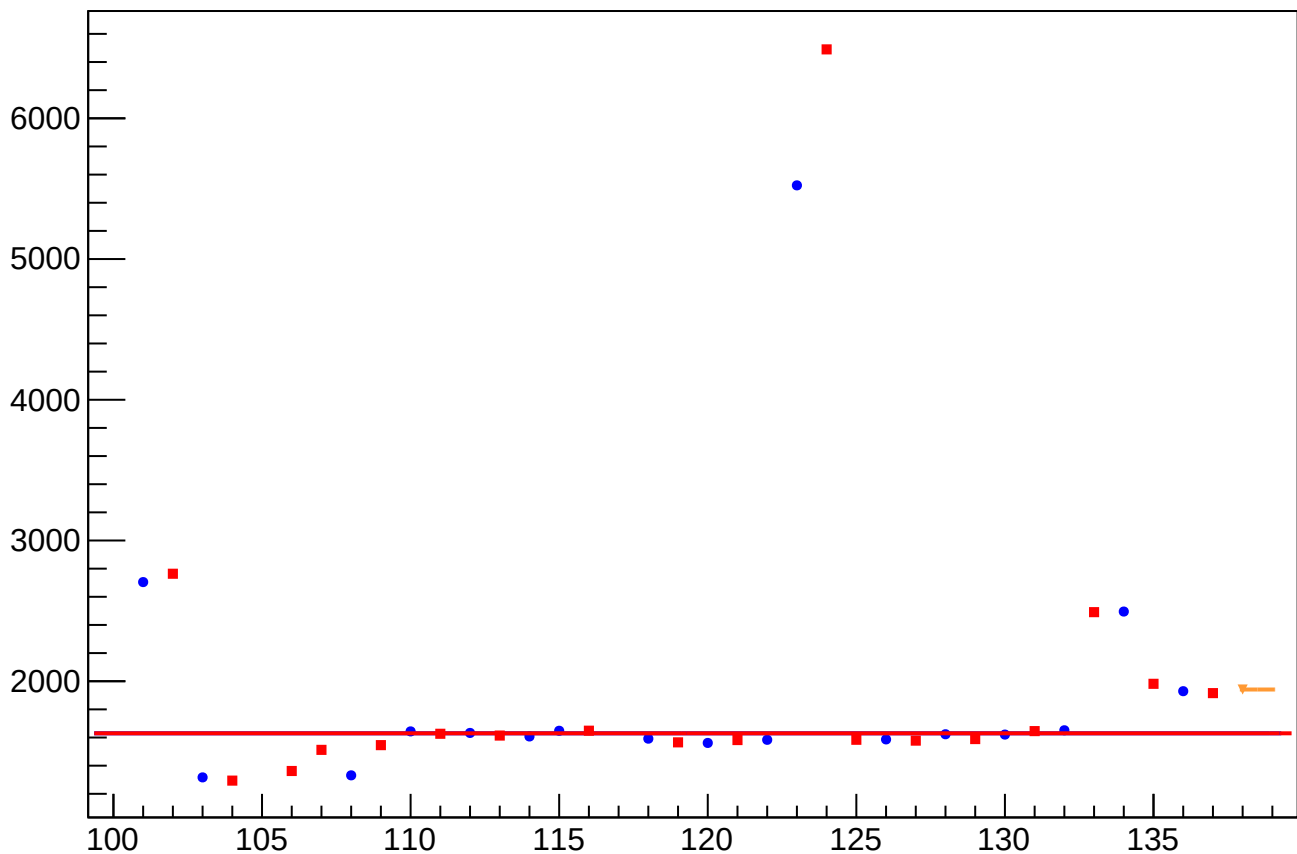
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -1061.564+/-618.547  $\chi^2/\text{NDF}$ : 10.4/17

All: -509.475+/-442.886  $\chi^2/\text{NDF}$ : 28.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_at2\_dd\_rms vs Slug



Right In: 1629.954+/-0.455  $\chi^2/\text{NDF}$ : 408151.7/16

Left Out: 1941.131+/-1.600  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1629.941+/-0.449  $\chi^2/\text{NDF}$ : 557457.4/17

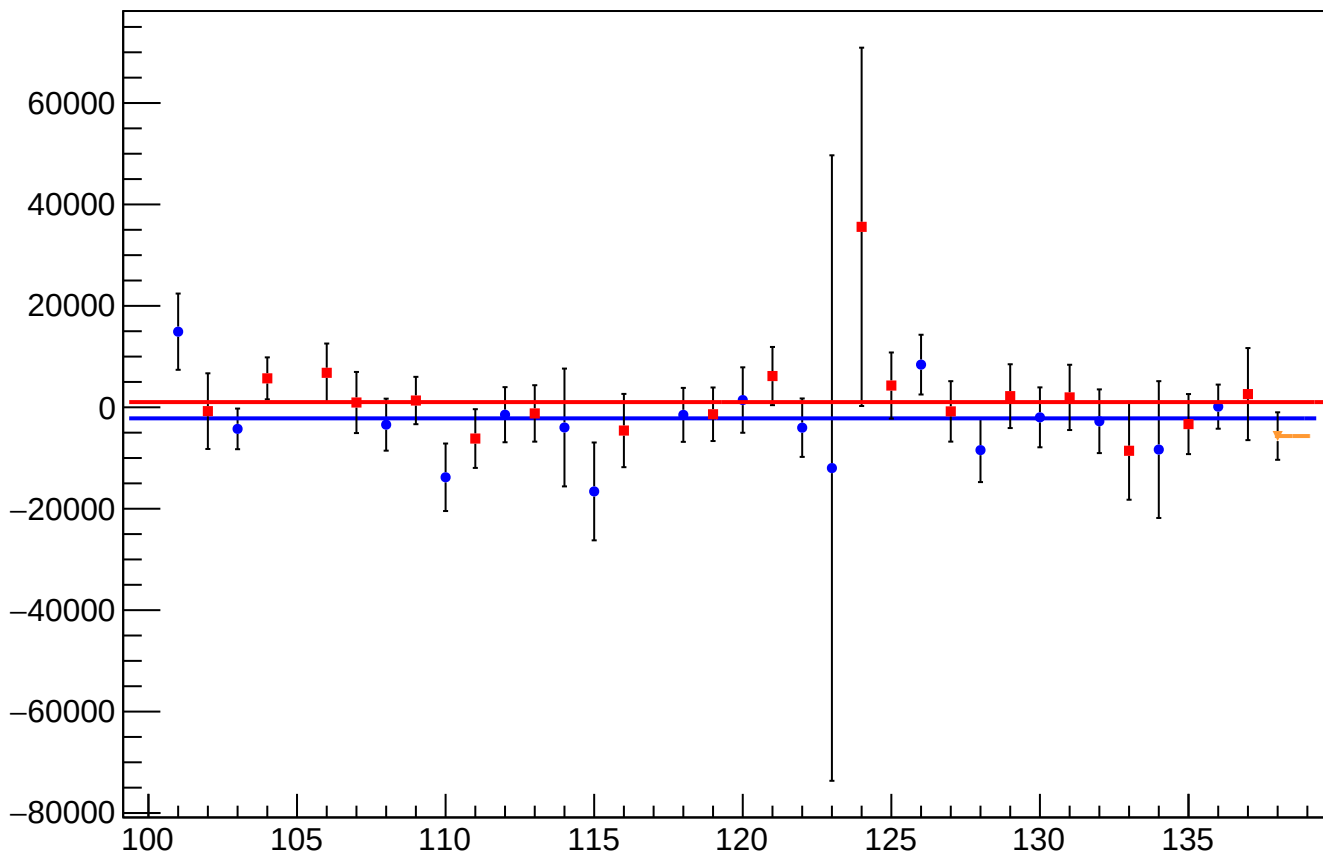
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1653.193+/-0.437  $\chi^2/\text{NDF}$ : 443130.8/17

All: 1641.862+/-0.313  $\chi^2/\text{NDF}$ : 1001965.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_at2\_dd\_correction\_mean vs Slug



Right In: -2179.244+/-1493.026  $\chi^2$ /NDF: 16.0/16

Left Out: -5669.231+/-4683.370  $\chi^2$ /NDF: 0.0/0

Right Out: 1026.991+/-1442.331  $\chi^2$ /NDF: 8.6/17

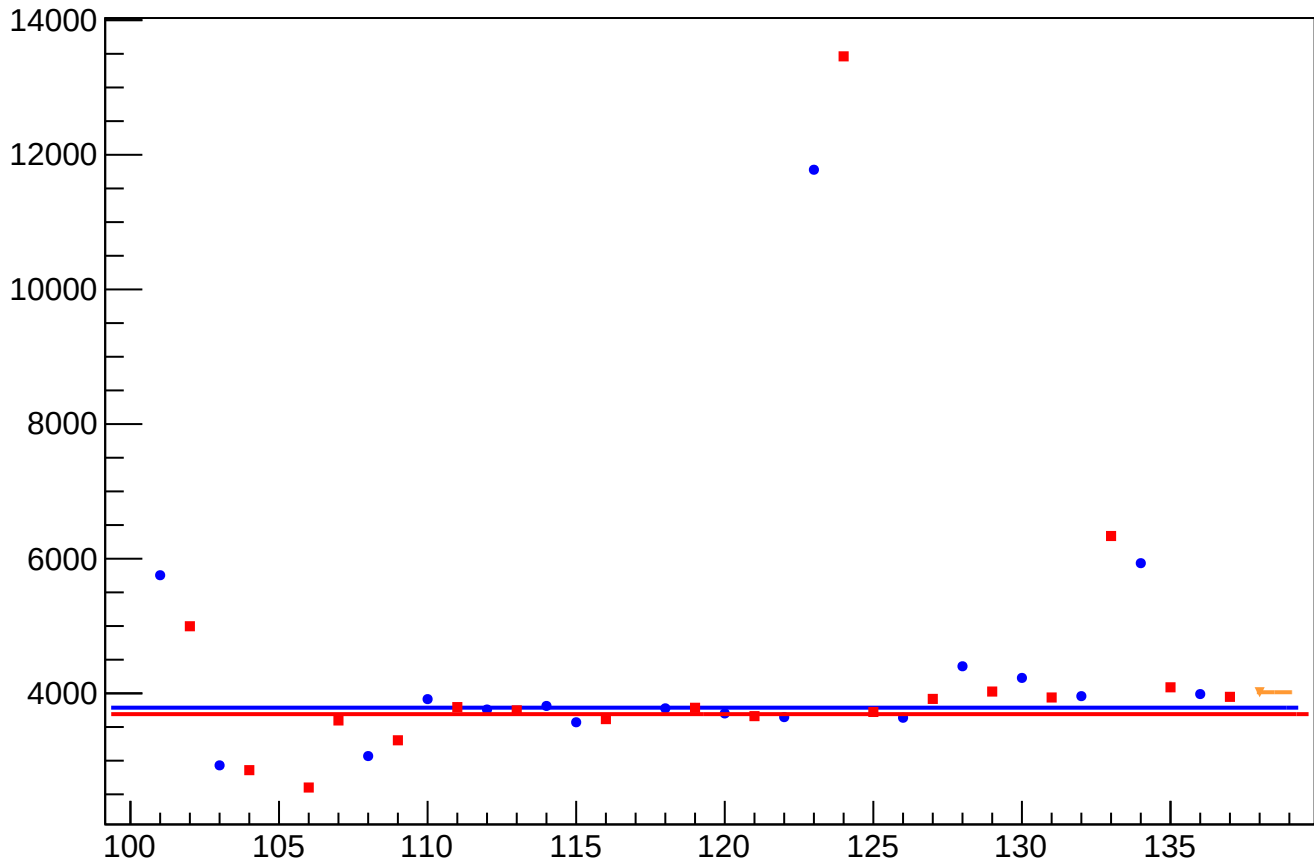
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign -2501.207+/-1422.491  $\chi^2$ /NDF: 16.5/17

All: -761.540+/-1012.795  $\chi^2$ /NDF: 28.1/35

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at2\_dd\_correction\_rms vs Slug



Right In: 3787.301+/-1.056  $\chi^2/\text{NDF}$ : 392650.8/16

Left Out: 4016.534+/-3.312  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3691.246+/-1.020  $\chi^2/\text{NDF}$ : 555157.1/17

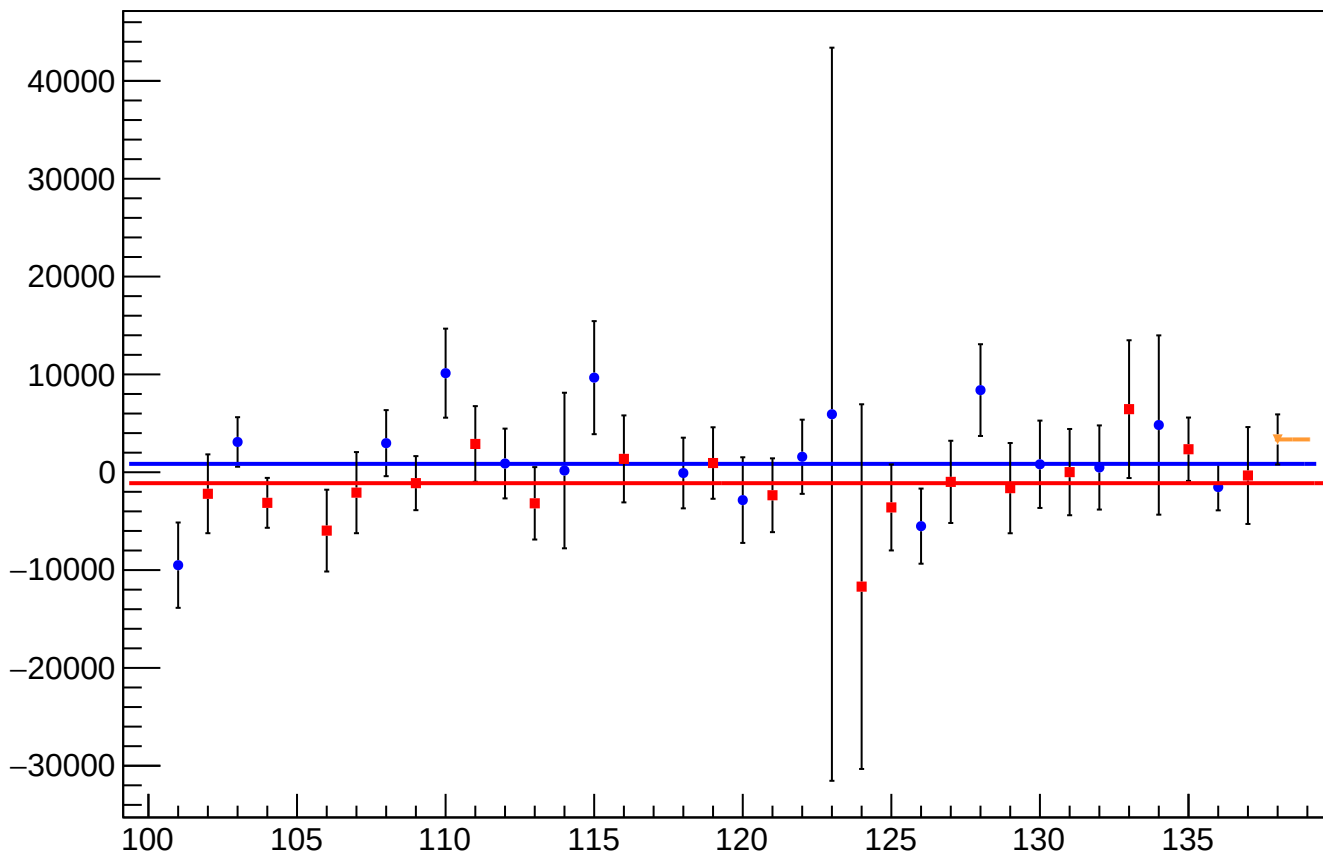
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3808.449+/-1.006  $\chi^2/\text{NDF}$ : 397000.2/17

All: 3750.658+/-0.716  $\chi^2/\text{NDF}$ : 958852.0/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_at2\_dd\_mean vs Slug



Right In: 856.187 $\pm$ 964.743  $\chi^2$ /NDF: 20.7/16

Left Out: 3353.893 $\pm$ 2559.722  $\chi^2$ /NDF: 0.0/0

Right Out: -1117.553 $\pm$ 927.195  $\chi^2$ /NDF: 7.3/17

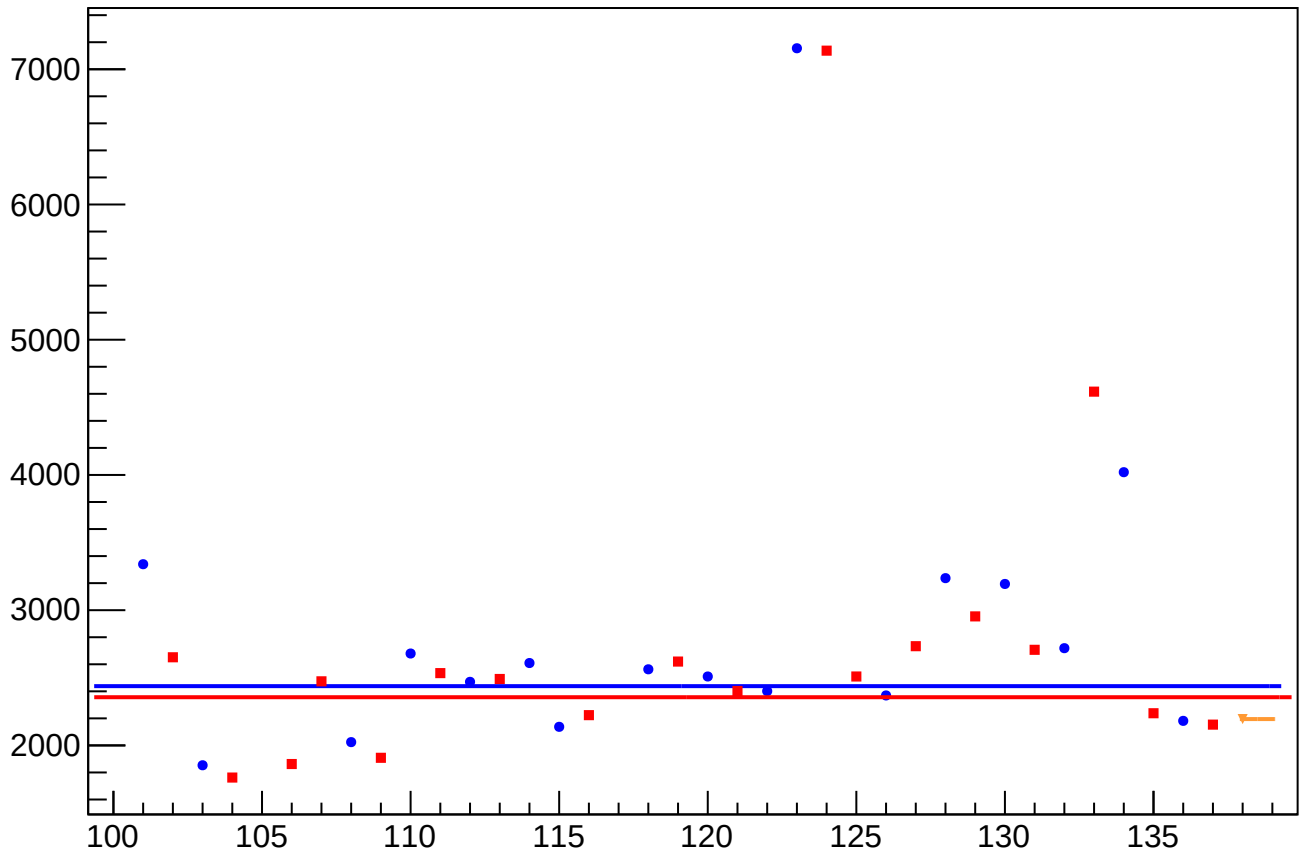
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1166.853 $\pm$ 902.754  $\chi^2$ /NDF: 21.5/17

All: 55.156 $\pm$ 646.811  $\chi^2$ /NDF: 31.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at2\_dd\_rms vs Slug



Right In: 2438.275+/-0.682  $\chi^2/\text{NDF}$ : 476723.4/16

Left Out: 2194.806+/-1.810  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2356.405+/-0.656  $\chi^2/\text{NDF}$ : 629132.8/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

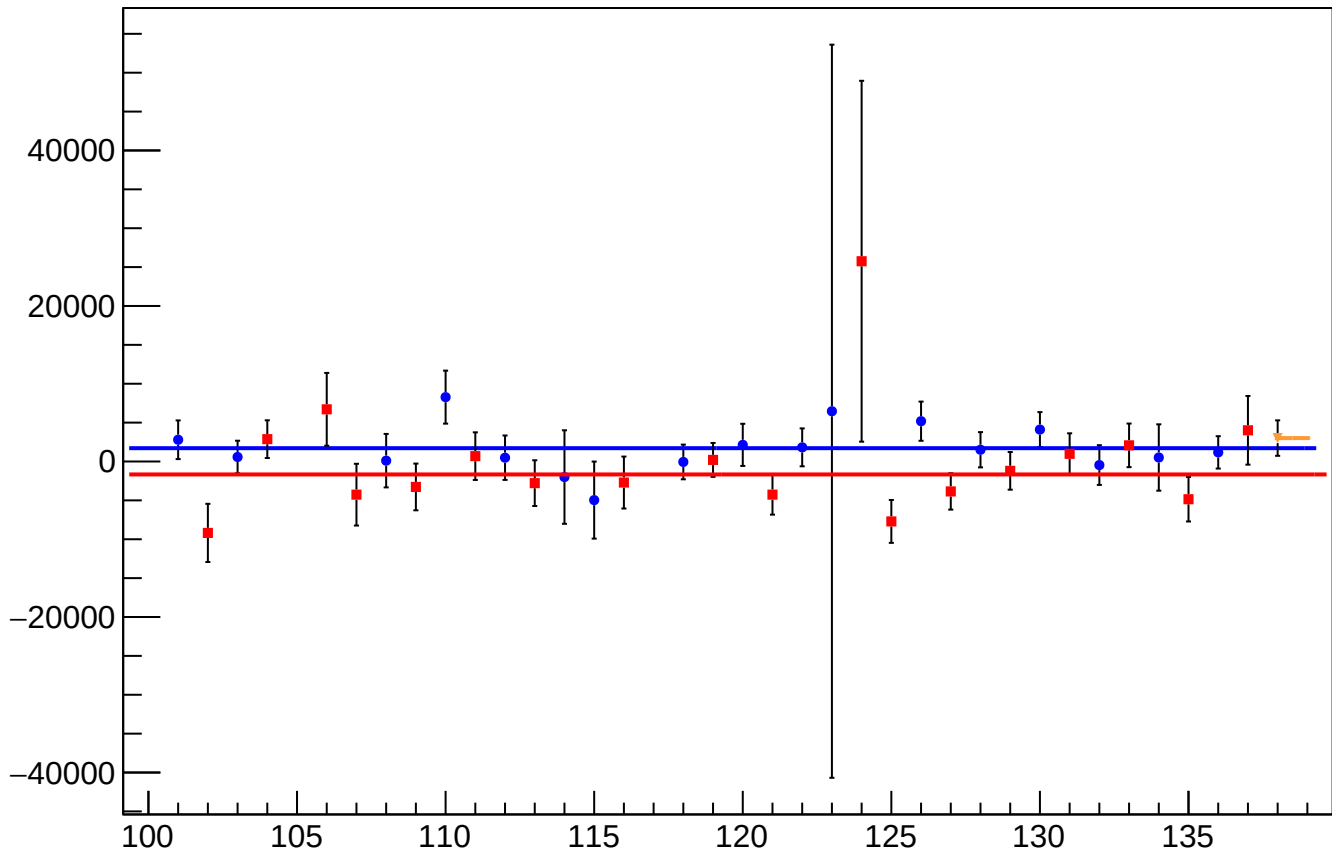
+ sign 2407.992+/-0.638  $\chi^2/\text{NDF}$ : 492566.7/17

All: 2382.887+/-0.457  $\chi^2/\text{NDF}$ : 1124877.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_asym\_atl\_avg\_mean vs Slug



Right In: 1712.566 $\pm$ 667.149  $\chi^2$ /NDF: 11.4/16

Left Out: 3010.072 $\pm$ 2280.396  $\chi^2$ /NDF: 0.0/0

Right Out: -1665.369 $\pm$ 695.701  $\chi^2$ /NDF: 26.8/17

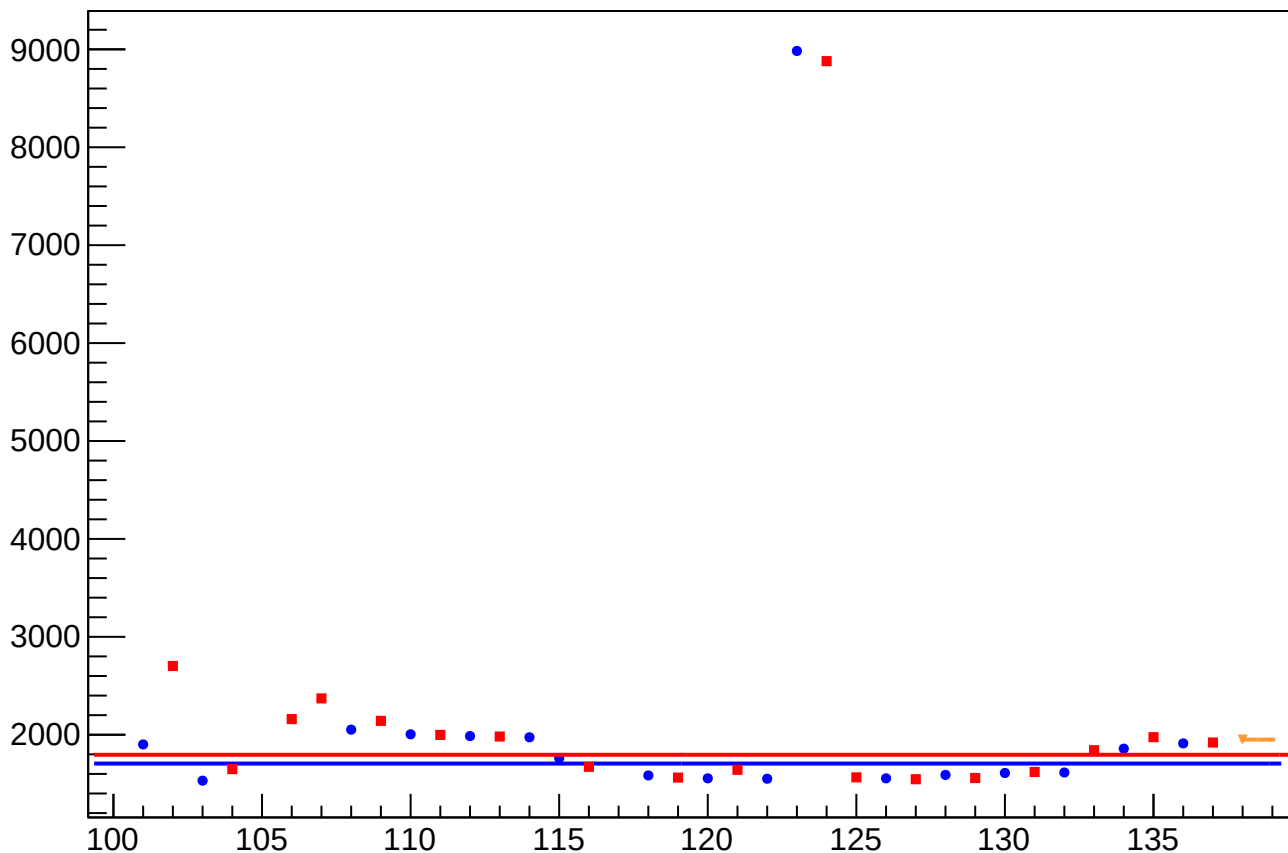
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1814.864 $\pm$ 640.310  $\chi^2$ /NDF: 11.7/17

All: 218.792 $\pm$ 471.134  $\chi^2$ /NDF: 52.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl\_avg\_rms vs Slug



Right In: 1705.624 $\pm$ 0.472  $\chi^2$ /NDF: 194174.2/16

Left Out: 1950.445 $\pm$ 1.612  $\chi^2$ /NDF: 0.0/0

Right Out: 1795.574 $\pm$ 0.491  $\chi^2$ /NDF: 518805.1/17

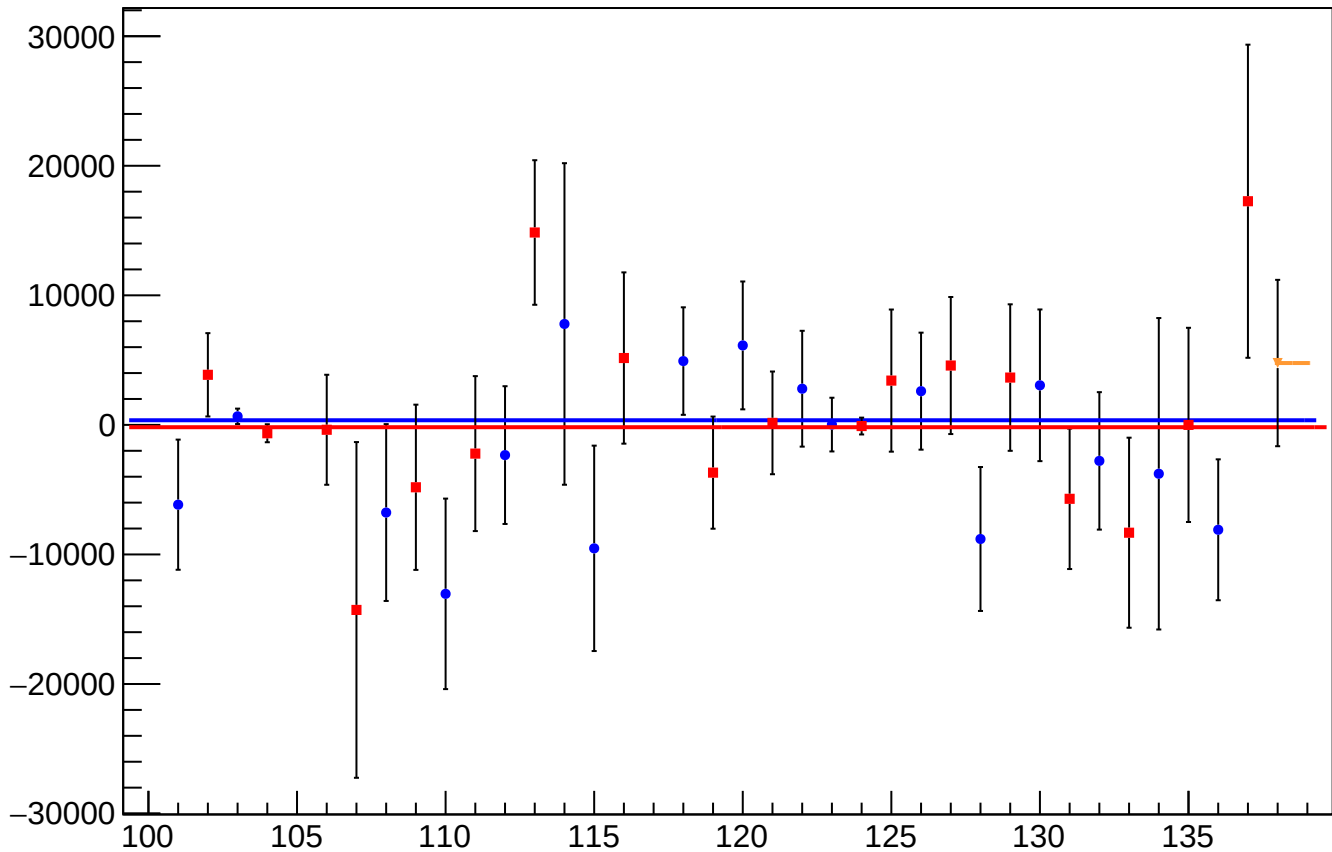
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1724.926 $\pm$ 0.453  $\chi^2$ /NDF: 215408.7/17

All: 1757.403 $\pm$ 0.333  $\chi^2$ /NDF: 745406.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_avg\_correction\_mean vs Slug



Right In: 357.025+/-533.209  $\chi^2/\text{NDF}$ : 17.5/16

Left Out: 4773.842+/-6420.639  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -179.185+/-446.995  $\chi^2/\text{NDF}$ : 18.5/17

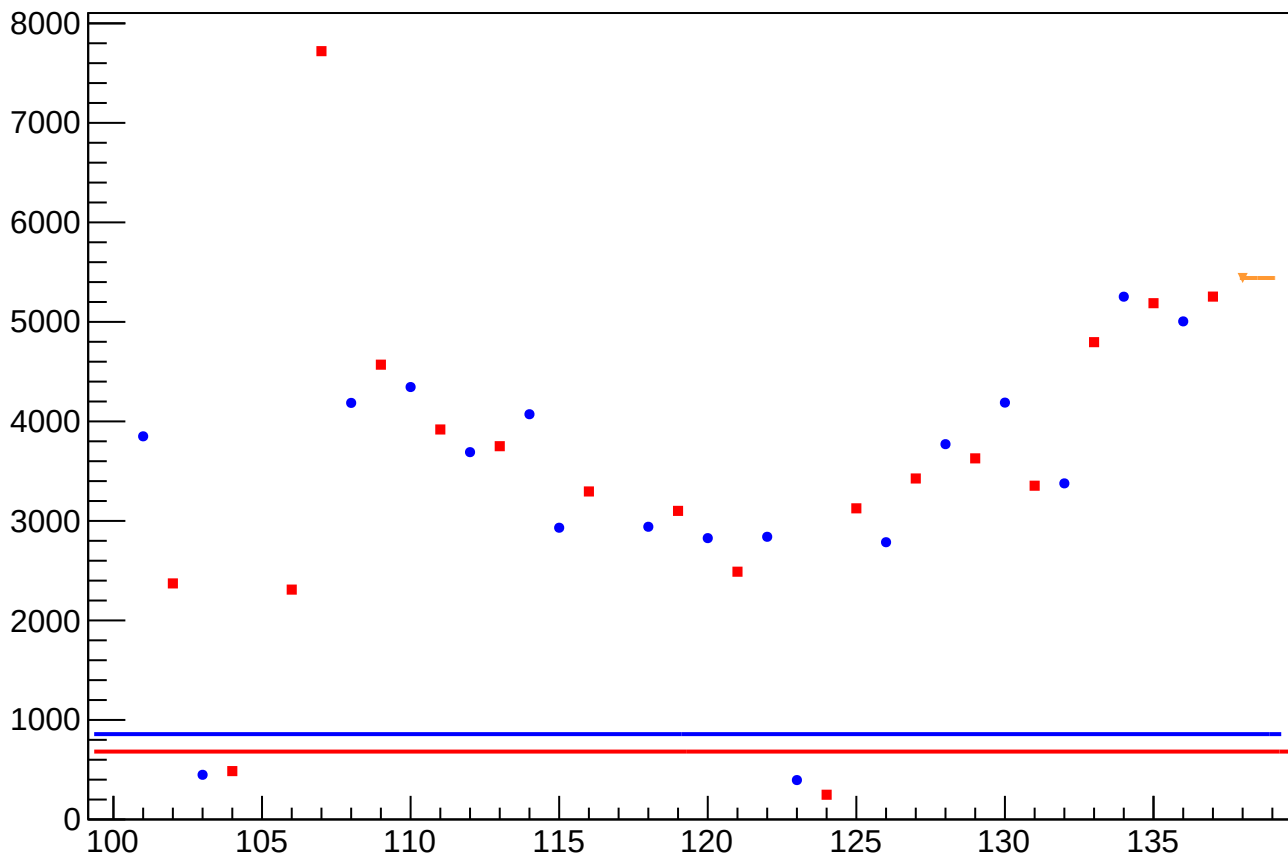
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 387.277+/-531.380  $\chi^2/\text{NDF}$ : 18.0/17

All: 55.550+/-342.065  $\chi^2/\text{NDF}$ : 37.1/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_avg\_correction\_rms vs Slug



Right In: 857.472+/-0.377  $\chi^2/\text{NDF}$ : 8175260.6/16

Left Out: 5441.117+/-4.540  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 682.114+/-0.316  $\chi^2/\text{NDF}$ : 9378570.8/17

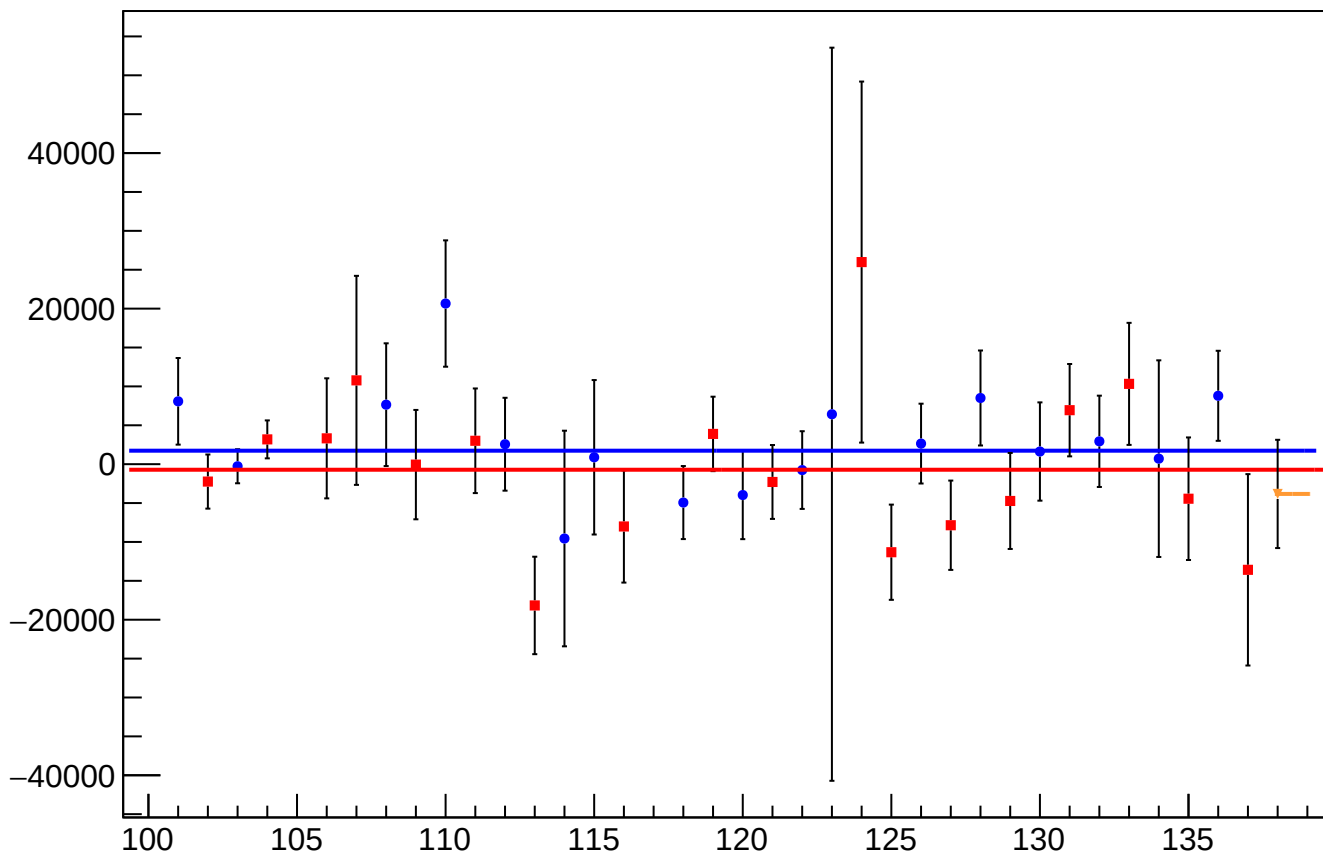
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 888.867+/-0.376  $\chi^2/\text{NDF}$ : 9187564.0/17

All: 767.790+/-0.242  $\chi^2/\text{NDF}$ : 18743444.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_avg\_mean vs Slug



Right In: 1733.273+/-1304.606  $\chi^2/\text{NDF}$ : 14.9/16

Left Out: -3826.530+/-6960.340  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -715.502+/-1290.698  $\chi^2/\text{NDF}$ : 25.1/17

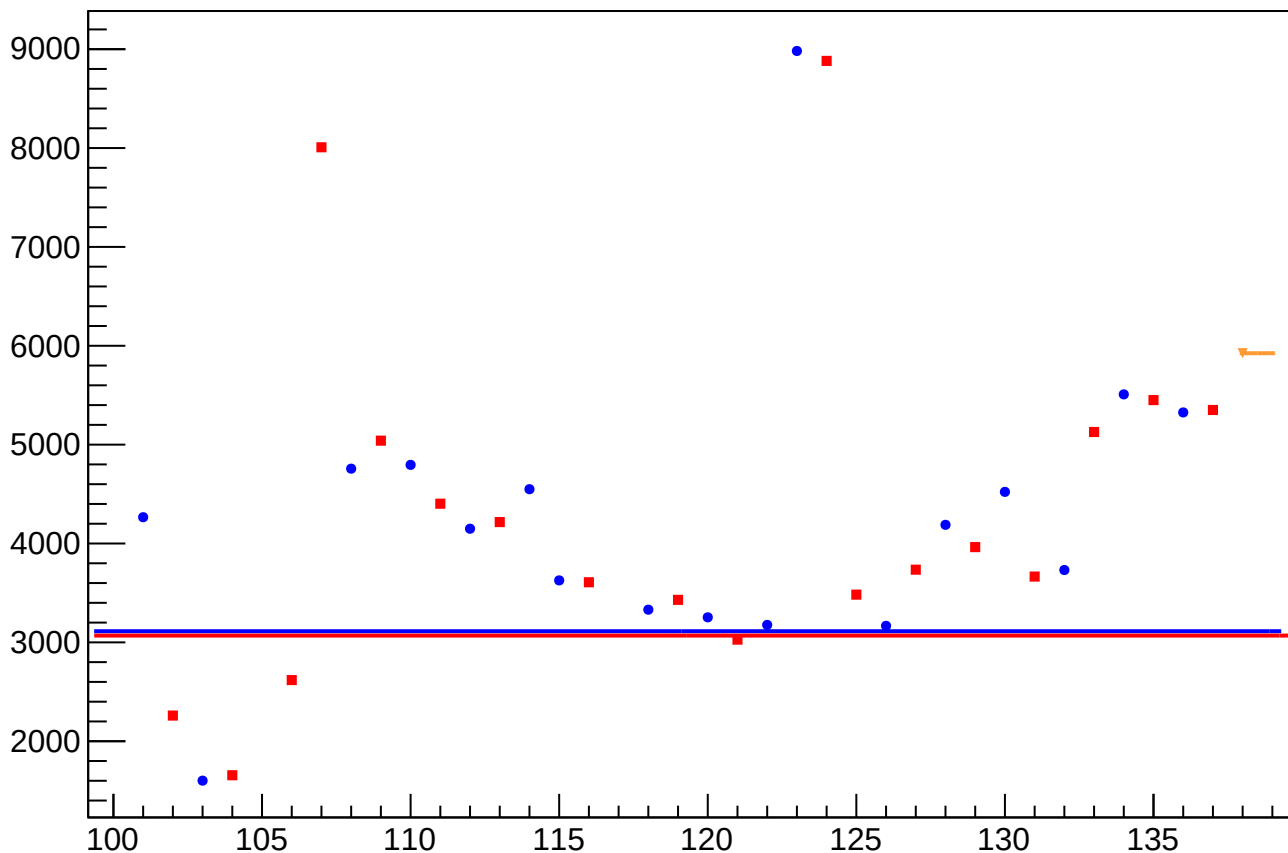
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1544.577+/-1282.276  $\chi^2/\text{NDF}$ : 15.5/17

All: 421.935+/-909.669  $\chi^2/\text{NDF}$ : 42.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_avg\_rms vs Slug



Right In: 3112.686+/-0.922  $\chi^2/\text{NDF}$ : 1884511.8/16

Left Out: 5924.760+/-4.922  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3068.634+/-0.899  $\chi^2/\text{NDF}$ : 2001632.3/17

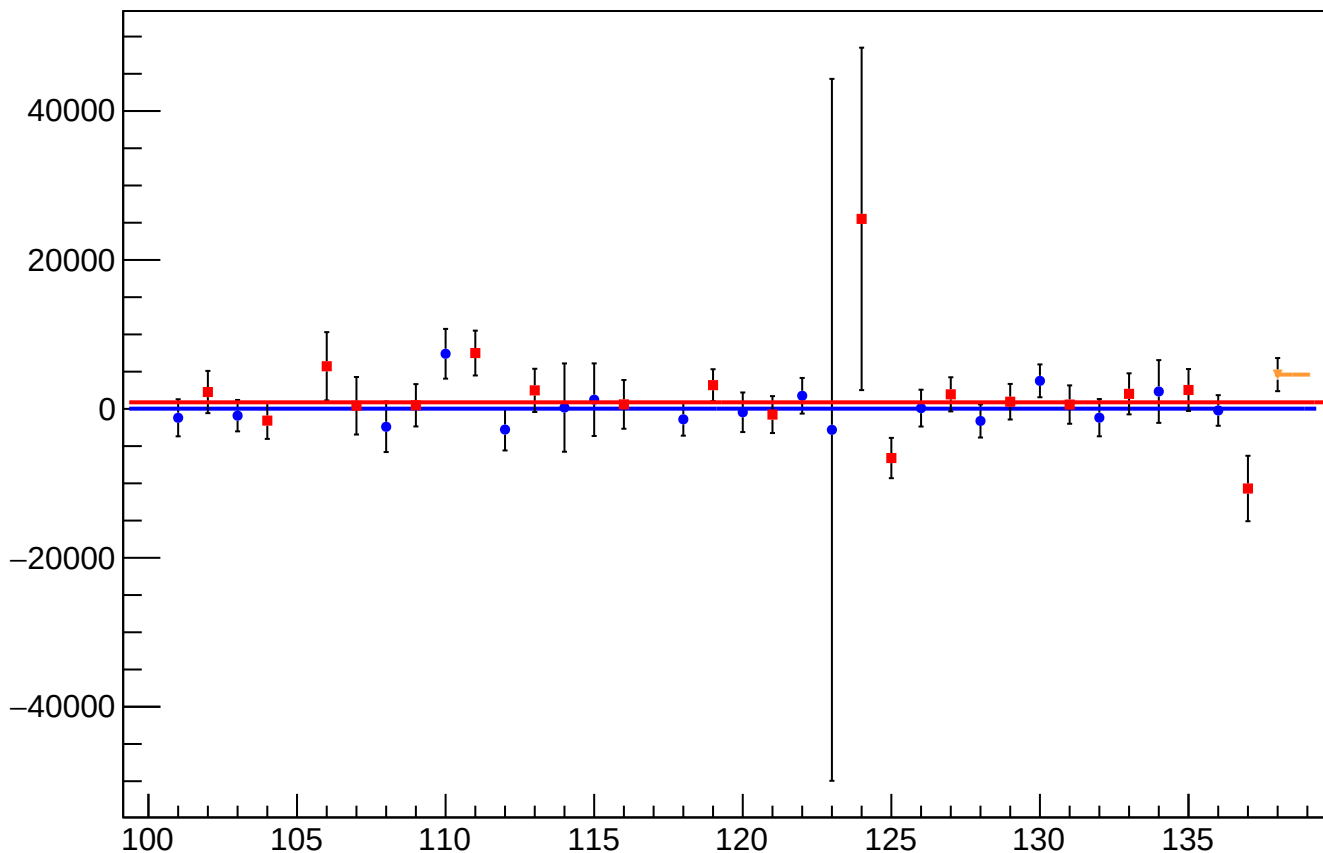
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3208.125+/-0.907  $\chi^2/\text{NDF}$ : 2199886.6/17

All: 3137.812+/-0.639  $\chi^2/\text{NDF}$ : 4213449.1/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atl\_dd\_mean vs Slug



Right In: 29.102 $\pm$ 658.403  $\chi^2$ /NDF: 11.8/16

Left Out: 4602.846 $\pm$ 2224.137  $\chi^2$ /NDF: 0.0/0

Right Out: 882.685 $\pm$ 674.623  $\chi^2$ /NDF: 25.6/17

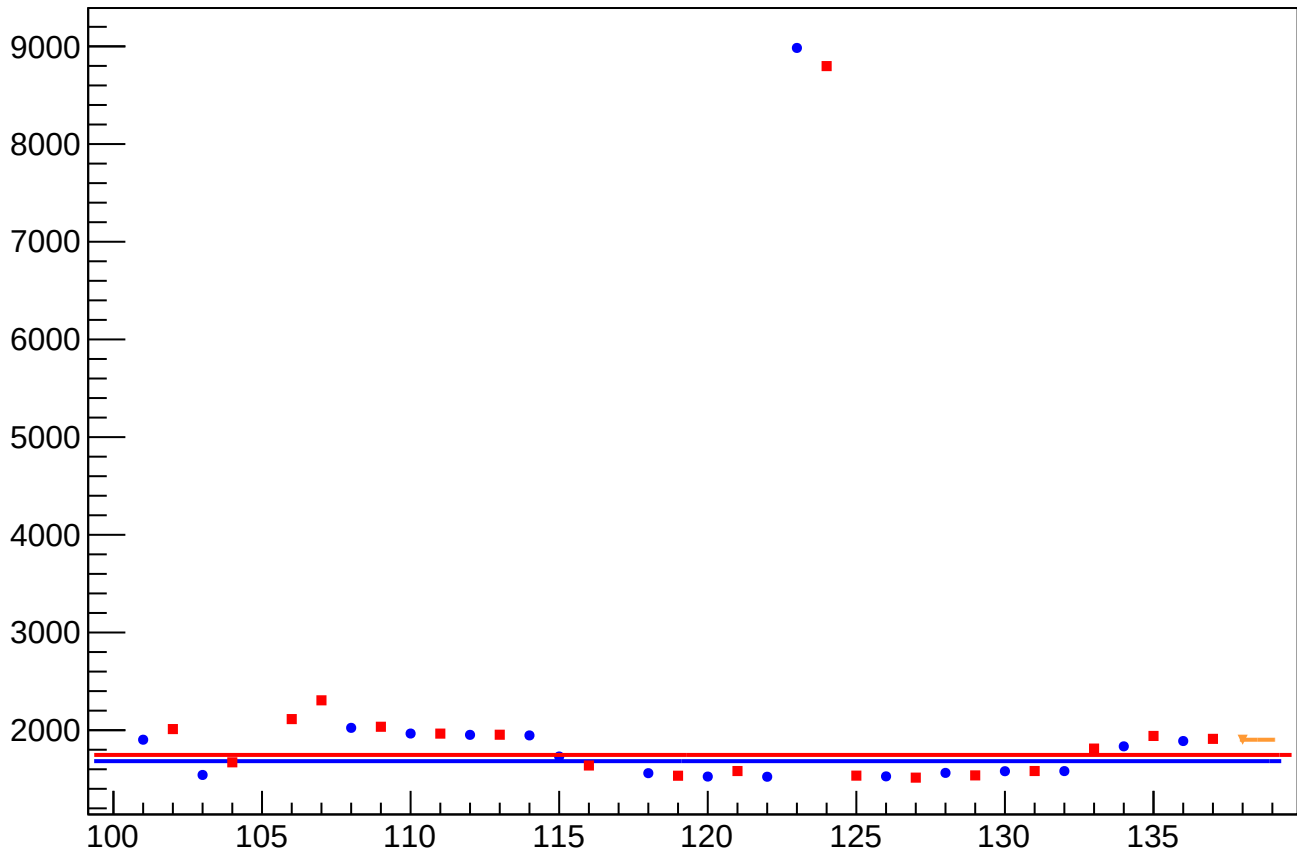
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 397.613 $\pm$ 631.322  $\chi^2$ /NDF: 15.7/17

All: 624.083 $\pm$ 460.960  $\chi^2$ /NDF: 41.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl\_dd\_rms vs Slug



Right In: 1683.124+/-0.466  $\chi^2/\text{NDF}$ : 195857.2/16

Left Out: 1902.368+/-1.573  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1746.802+/-0.476  $\chi^2/\text{NDF}$ : 406724.0/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

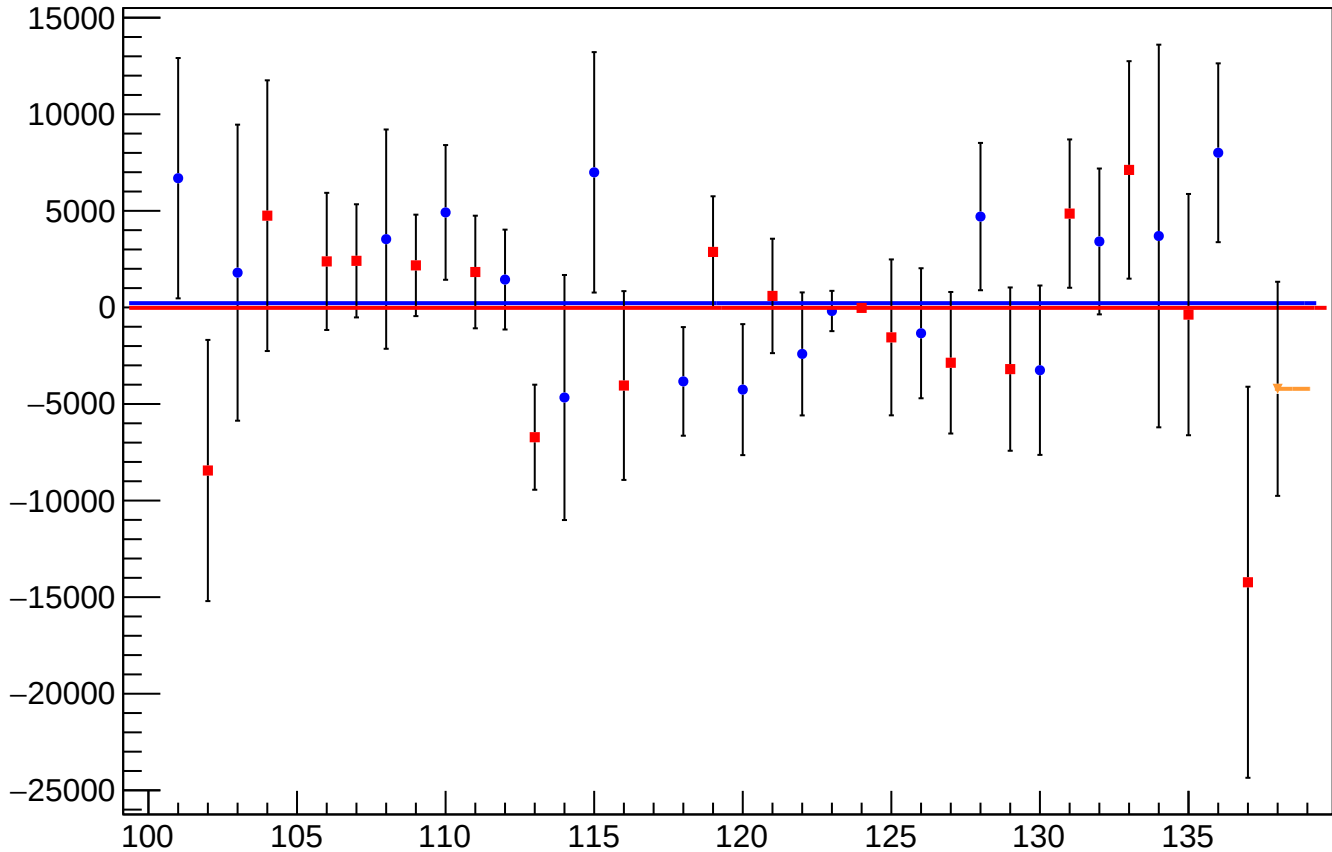
+ sign 1700.789+/-0.446  $\chi^2/\text{NDF}$ : 213725.3/17

All: 1722.322+/-0.326  $\chi^2/\text{NDF}$ : 625421.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_atl\_dd\_correction\_mean vs Slug



Right In: 219.808 $\pm$ 720.915  $\chi^2$ /NDF: 15.8/16

Left Out: -4214.217 $\pm$ 5542.580  $\chi^2$ /NDF: 0.0/0

Right Out: -21.945 $\pm$ 114.135  $\chi^2$ /NDF: 18.6/17

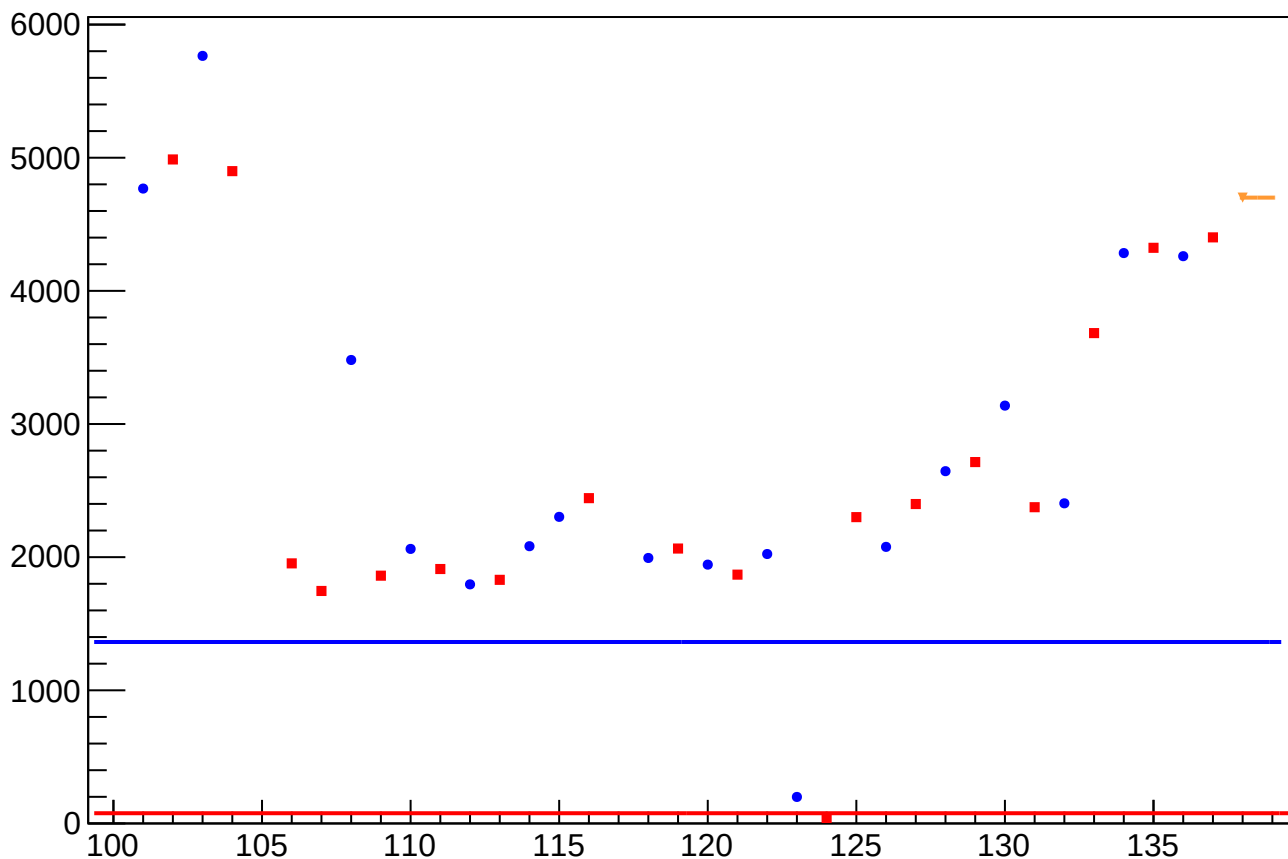
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 146.042 $\pm$ 714.893  $\chi^2$ /NDF: 16.4/17

All: -17.769 $\pm$ 112.708  $\chi^2$ /NDF: 35.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_correction\_rms vs Slug



Right In: 1362.842+/-0.510  $\chi^2/\text{NDF}$ : 6235846.3/16

Left Out: 4700.349+/-3.919  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 76.832+/-0.081  $\chi^2/\text{NDF}$ : 13114372.5/17

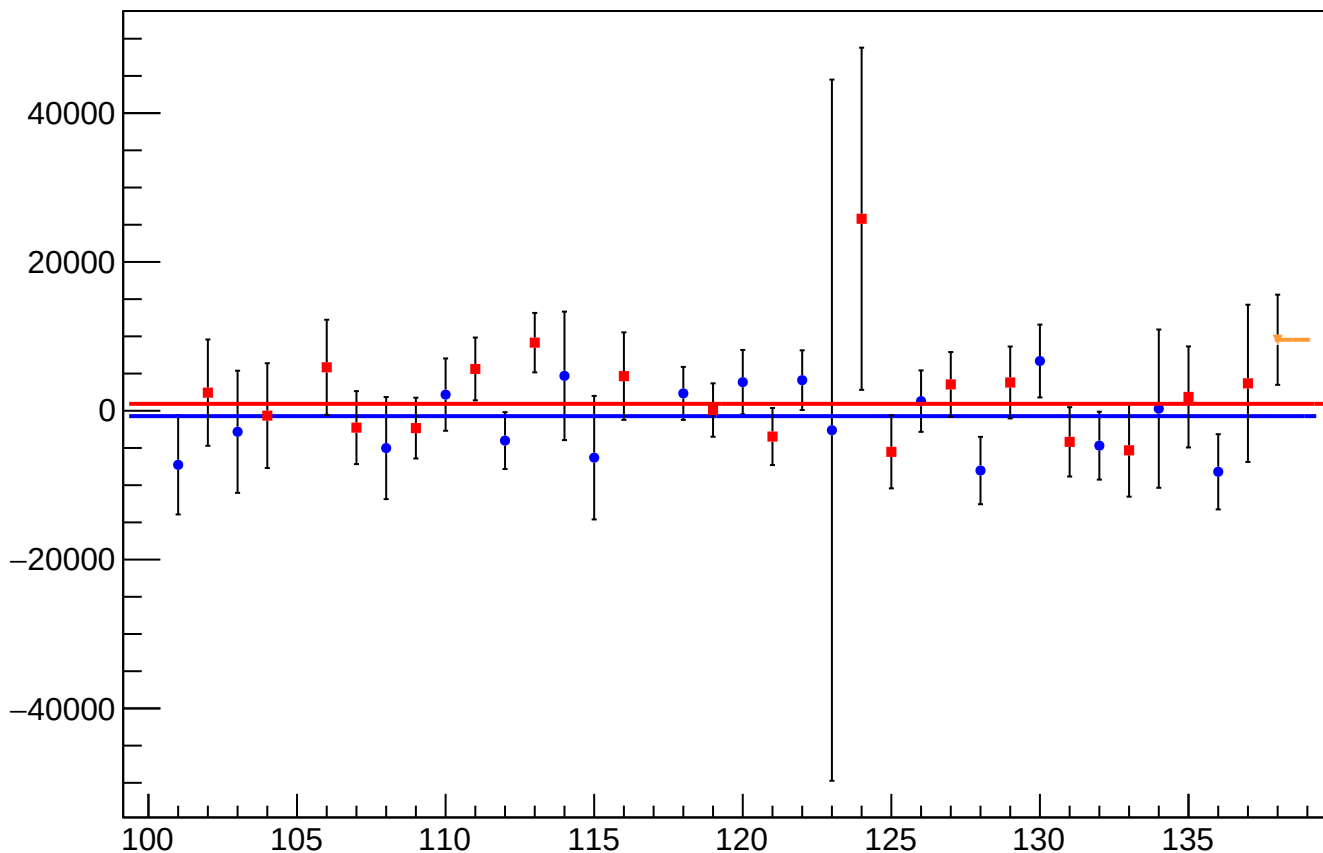
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1418.366+/-0.506  $\chi^2/\text{NDF}$ : 6948969.6/17

All: 110.177+/-0.080  $\chi^2/\text{NDF}$ : 26931175.3/39

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_dd\_mean vs Slug



Right In:  $-721.483 \pm 1252.519$   $\chi^2/\text{NDF}$ : 14.8/16

Left Out:  $9544.505 \pm 6059.824$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $931.712 \pm 1194.458$   $\chi^2/\text{NDF}$ : 14.9/17

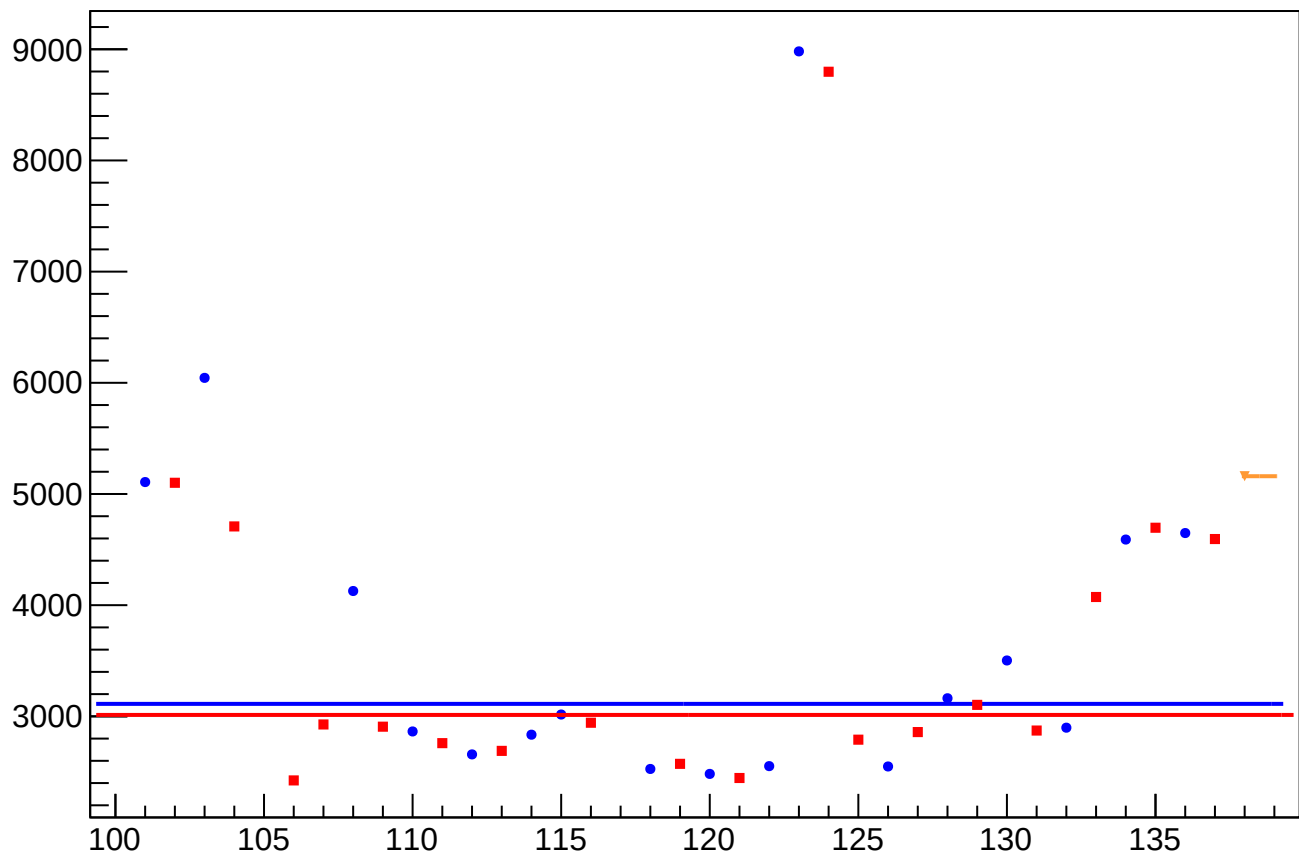
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-300.872 \pm 1226.592$   $\chi^2/\text{NDF}$ : 17.5/17

All:  $331.777 \pm 855.744$   $\chi^2/\text{NDF}$ : 32.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_dd\_rms vs Slug



Right In: 3112.232+/-0.886  $\chi^2/\text{NDF}$ : 958497.7/16

Left Out: 5159.868+/-4.285  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3012.763+/-0.834  $\chi^2/\text{NDF}$ : 774261.7/17

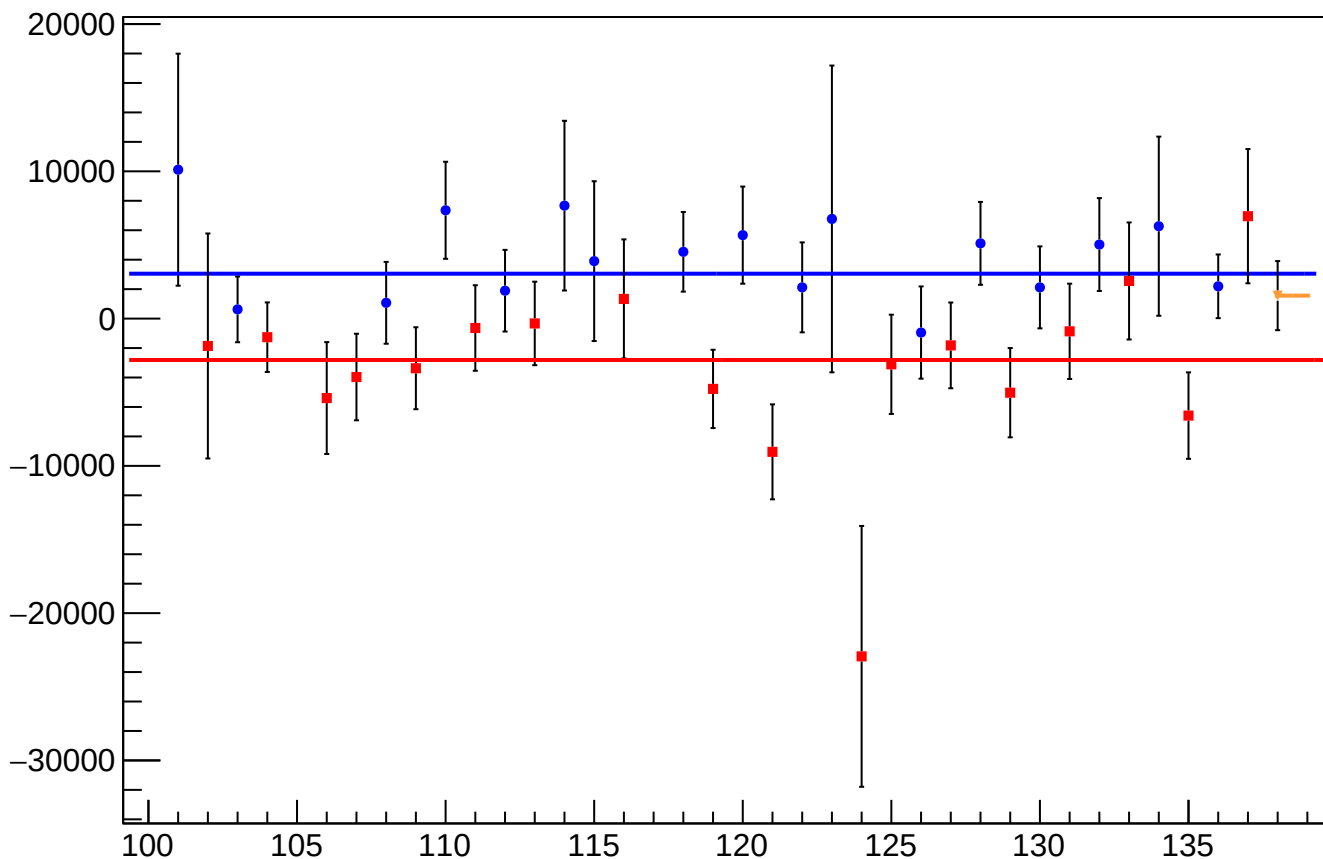
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3196.125+/-0.867  $\chi^2/\text{NDF}$ : 1177499.5/17

All: 3100.857+/-0.601  $\chi^2/\text{NDF}$ : 1974982.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atr\_avg\_mean vs Slug



Right In: 3049.083+/-772.320  $\chi^2/\text{NDF}$ : 9.3/16

Left Out: 1560.237+/-2345.156  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2809.116+/-766.213  $\chi^2/\text{NDF}$ : 22.0/17

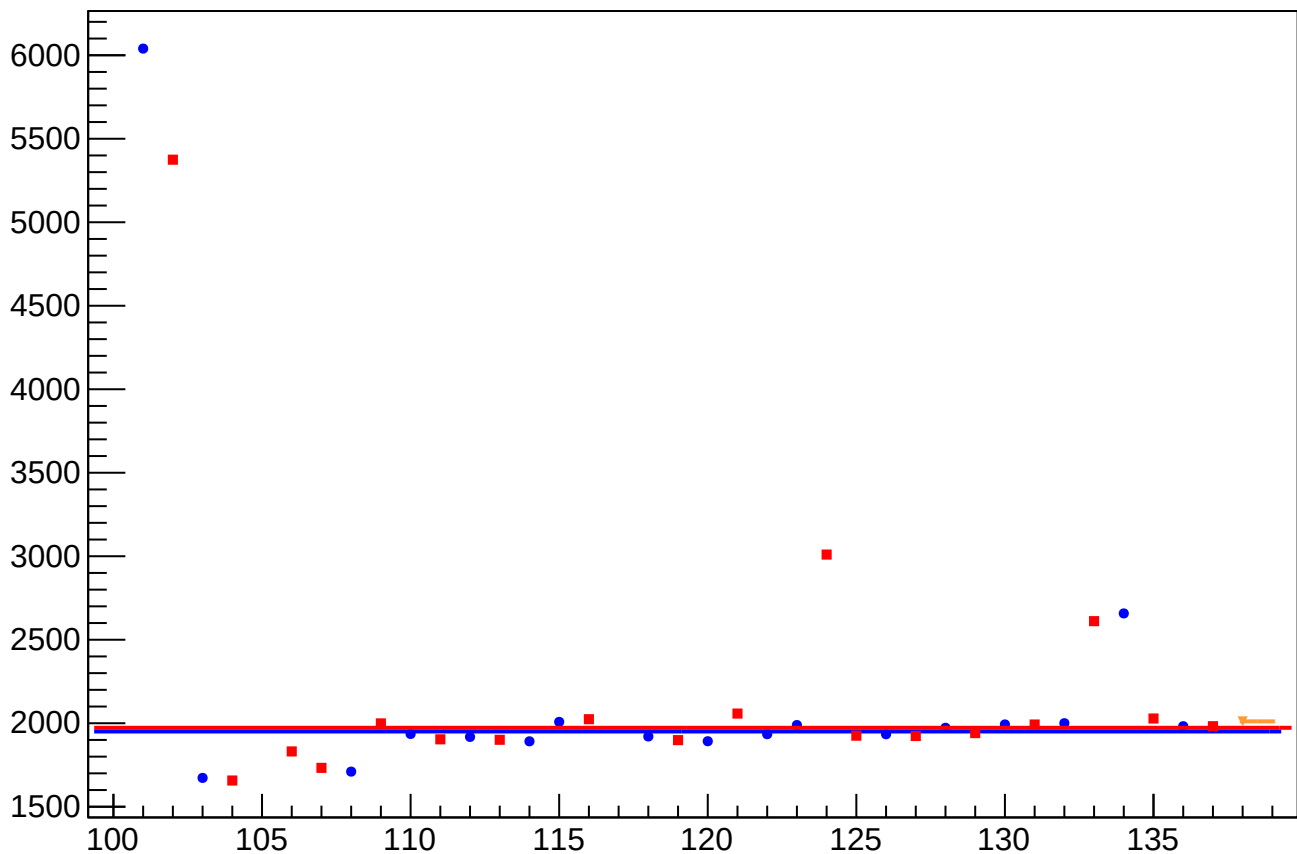
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2903.409+/-733.565  $\chi^2/\text{NDF}$ : 9.7/17

All: 171.441+/-529.875  $\chi^2/\text{NDF}$ : 60.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_atr\_avg\_rms vs Slug



Right In: 1950.692+/-0.546  $\chi^2/\text{NDF}$ : 615165.3/16

Left Out: 2011.135+/-1.658  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1972.726+/-0.541  $\chi^2/\text{NDF}$ : 535670.1/17

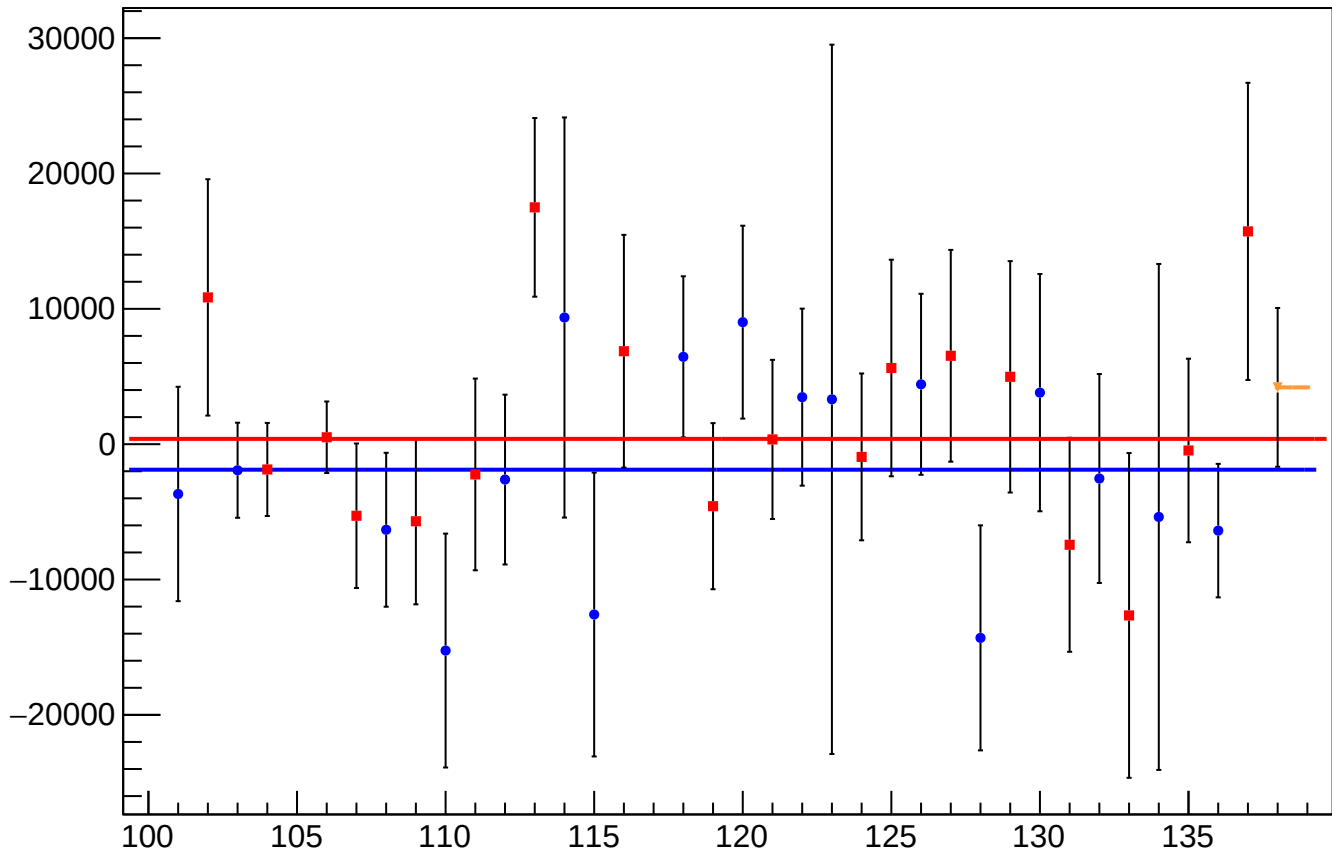
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1956.606+/-0.519  $\chi^2/\text{NDF}$ : 616363.9/17

All: 1964.320+/-0.375  $\chi^2/\text{NDF}$ : 1152496.1/39

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr\_avg\_correction\_mean vs Slug



Right In:  $-1885.285 \pm 1657.979$   $\chi^2/\text{NDF}$ : 14.1/16

Left Out:  $4197.269 \pm 5867.159$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $391.453 \pm 1361.685$   $\chi^2/\text{NDF}$ : 17.6/17

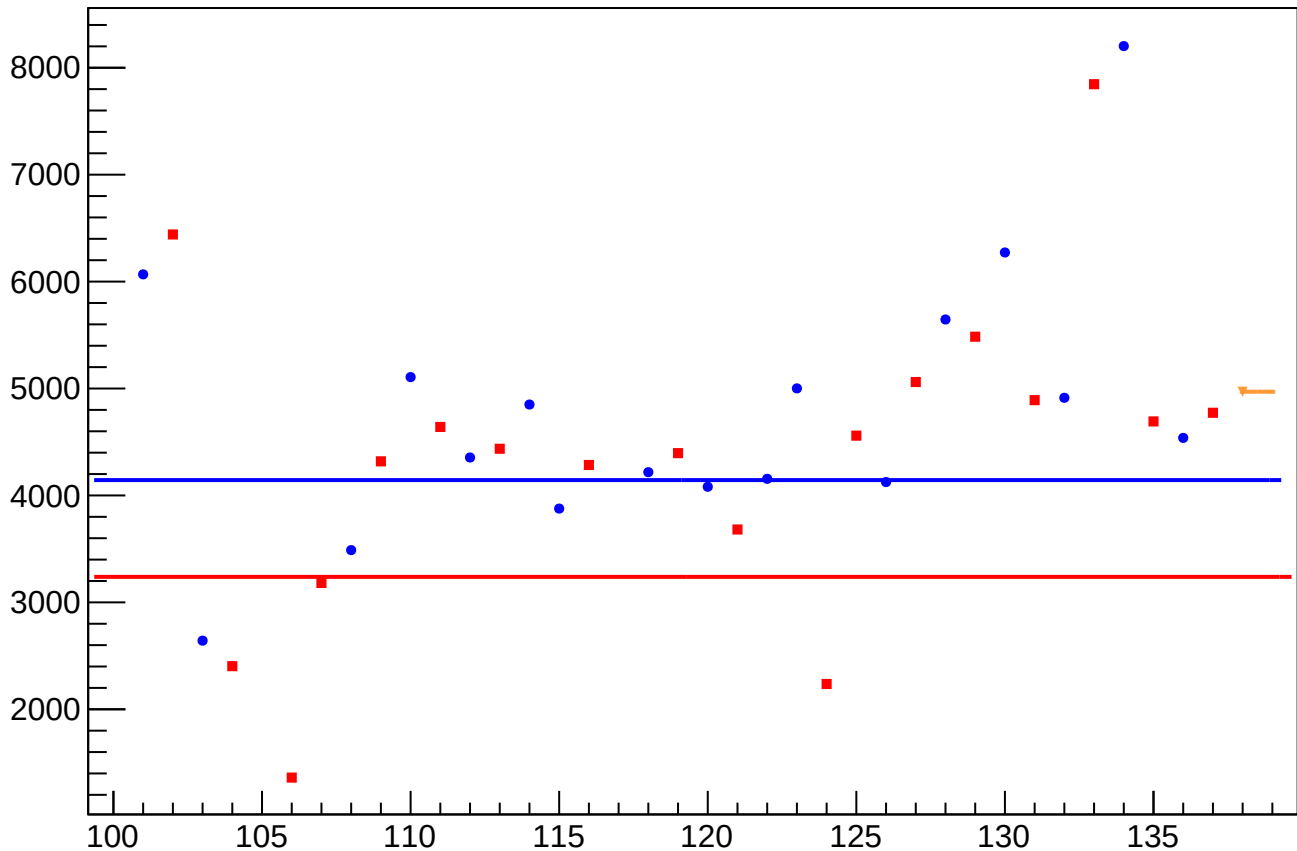
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-1435.481 \pm 1595.498$   $\chi^2/\text{NDF}$ : 15.1/17

All:  $-378.463 \pm 1035.754$   $\chi^2/\text{NDF}$ : 33.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr\_avg\_correction\_rms vs Slug



Right In: 4143.478+/-1.172  $\chi^2/\text{NDF}$ : 855972.6/16

Left Out: 4970.023+/-4.149  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 4204.601+/-1.128  $\chi^2/\text{NDF}$ : 892729.7/17

Right Out: 3238.590+/-0.963  $\chi^2/\text{NDF}$ : 2581960.1/17

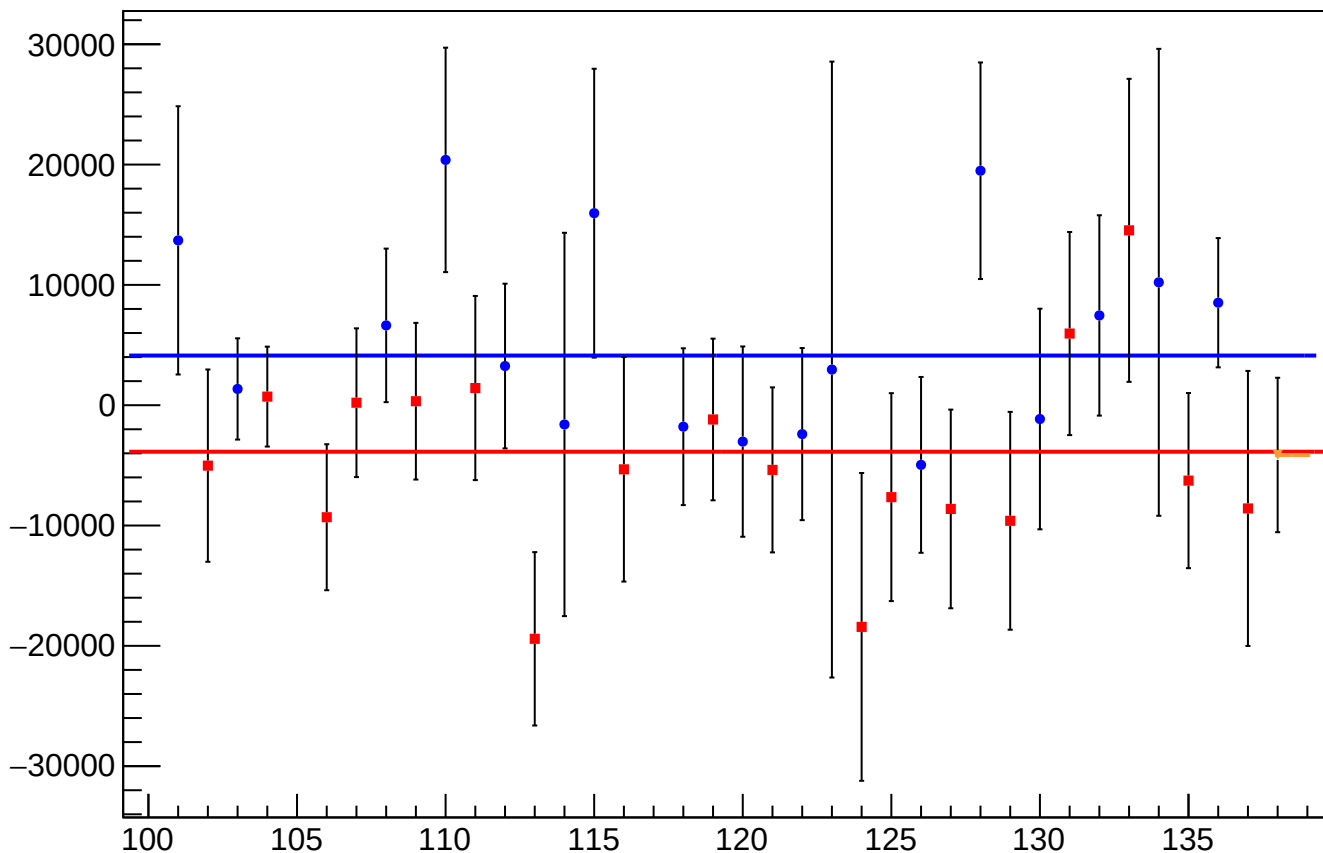
All: 3645.692+/-0.732  $\chi^2/\text{NDF}$ : 3898880.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_atr\_avg\_mean vs Slug



Right In: 4126.632 $\pm$ 1863.062  $\chi^2$ /NDF: 13.7/16

Left Out: -4136.747 $\pm$ 6418.356  $\chi^2$ /NDF: 0.0/0

Right Out: -3866.479 $\pm$ 1727.484  $\chi^2$ /NDF: 14.3/17

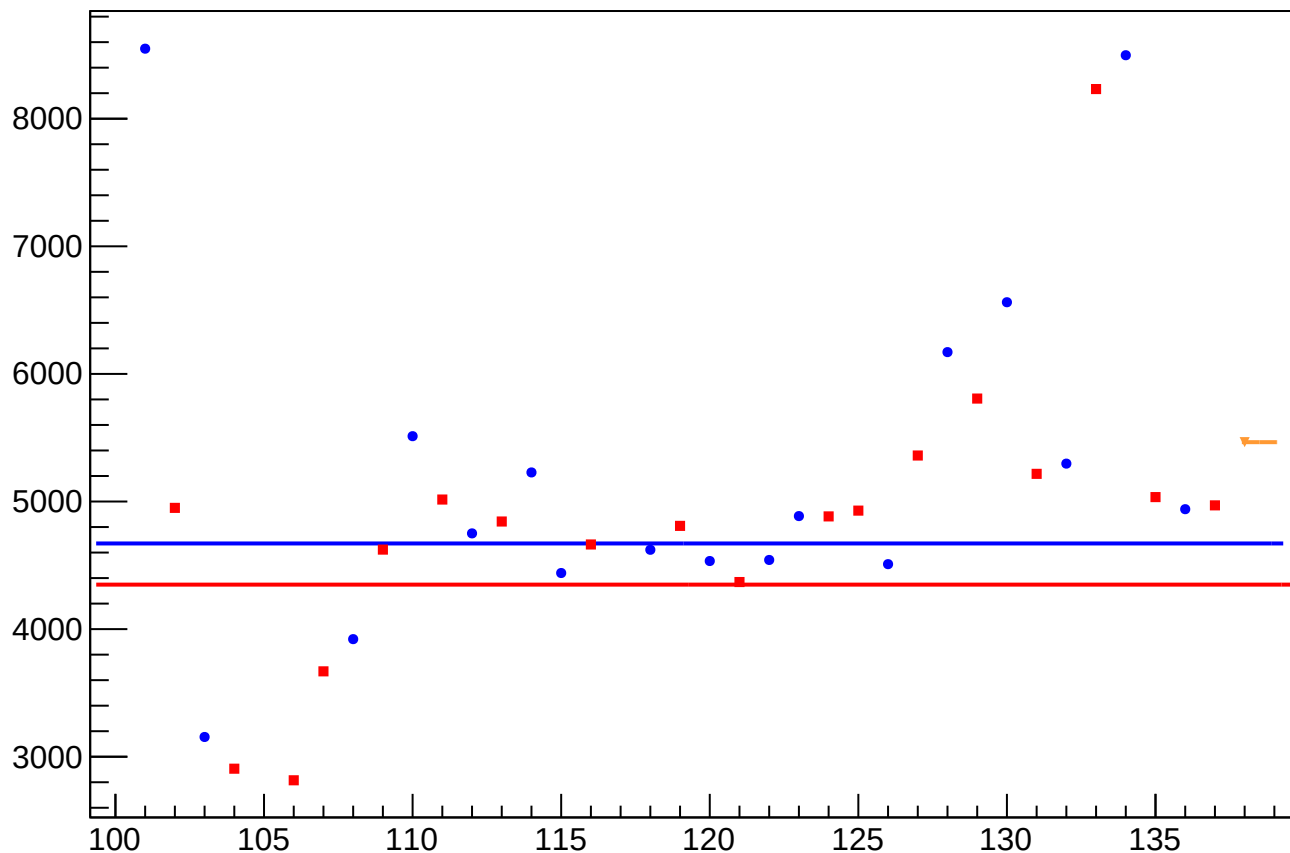
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 3484.488 $\pm$ 1789.209  $\chi^2$ /NDF: 15.2/17

All: -319.980 $\pm$ 1242.764  $\chi^2$ /NDF: 38.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr\_avg\_rms vs Slug



Right In: 4671.319+/-1.317  $\chi^2/\text{NDF}$ : 786112.0/16

Left Out: 5465.140+/-4.538  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4348.716+/-1.214  $\chi^2/\text{NDF}$ : 792425.3/17

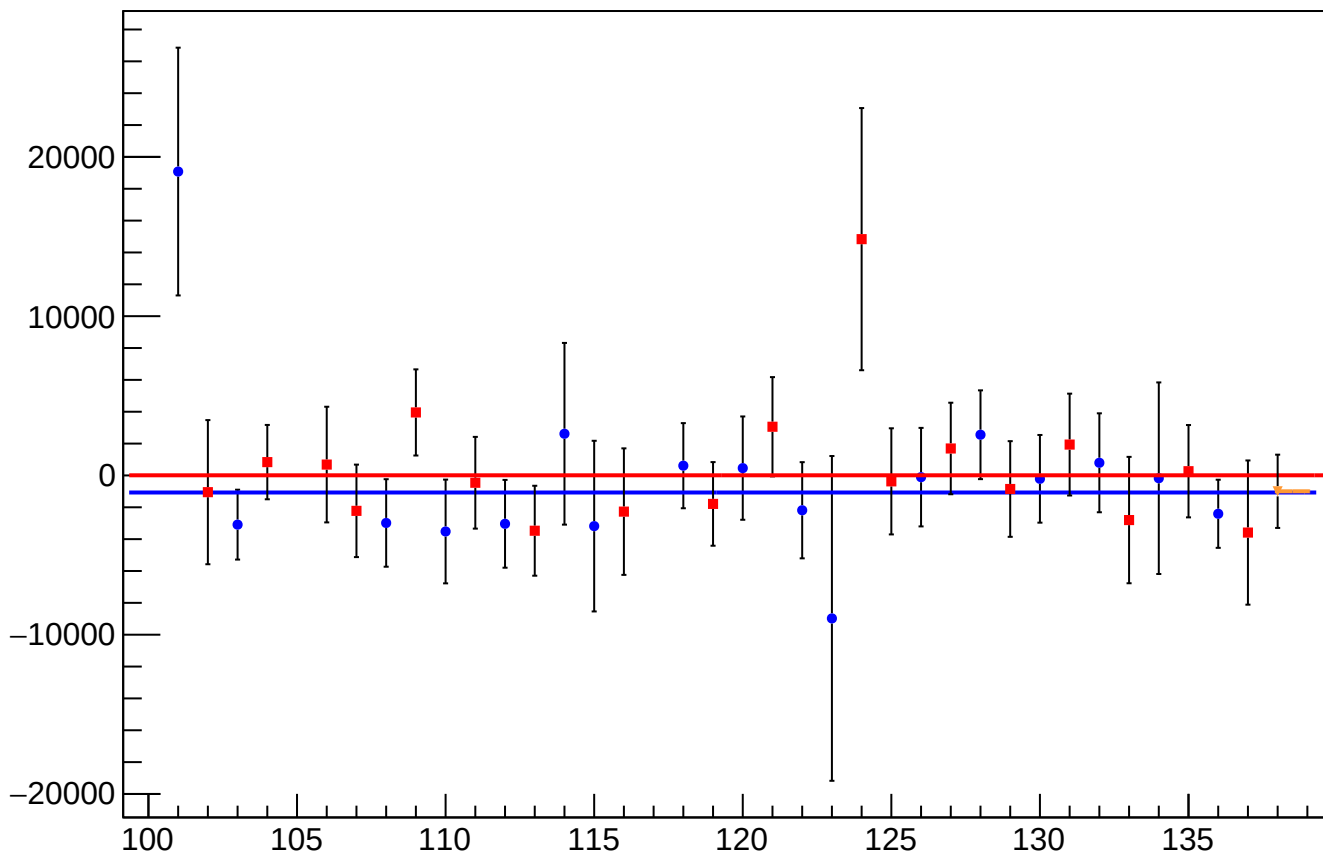
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 4733.007+/-1.265  $\chi^2/\text{NDF}$ : 814328.0/17

All: 4533.005+/-0.876  $\chi^2/\text{NDF}$ : 1654771.1/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atr\_dd\_mean vs Slug



Right In: -1071.254+/-762.970  $\chi^2/\text{NDF}$ : 13.7/16

Left Out: -996.309+/-2299.992  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.910+/-748.092  $\chi^2/\text{NDF}$ : 11.4/17

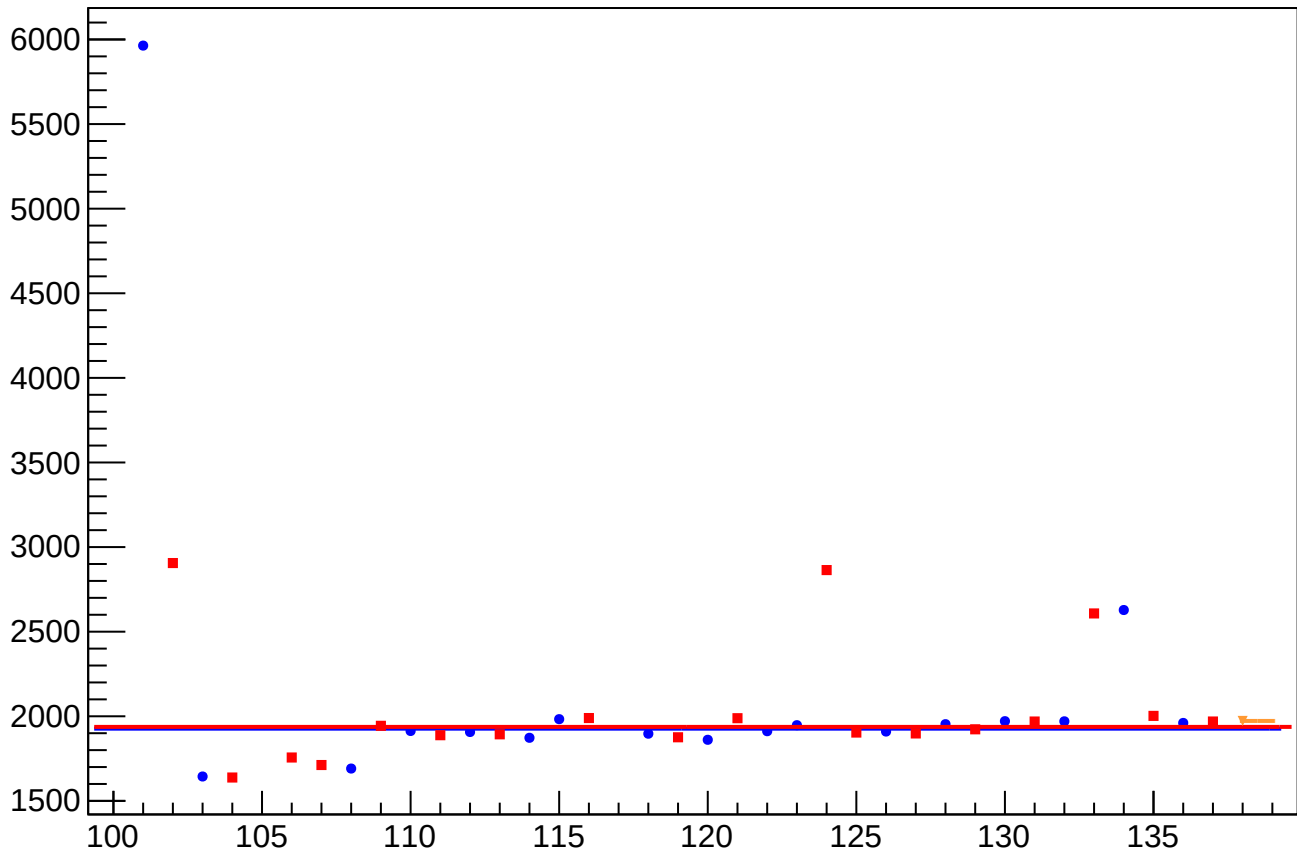
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -1063.824+/-724.165  $\chi^2/\text{NDF}$ : 13.7/17

All: -544.886+/-520.315  $\chi^2/\text{NDF}$ : 26.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atr\_dd\_rms vs Slug



Right In: 1926.890+/-0.540  $\chi^2/\text{NDF}$ : 617116.3/16

Left Out: 1972.489+/-1.626  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1931.411+/-0.512  $\chi^2/\text{NDF}$ : 617824.4/17

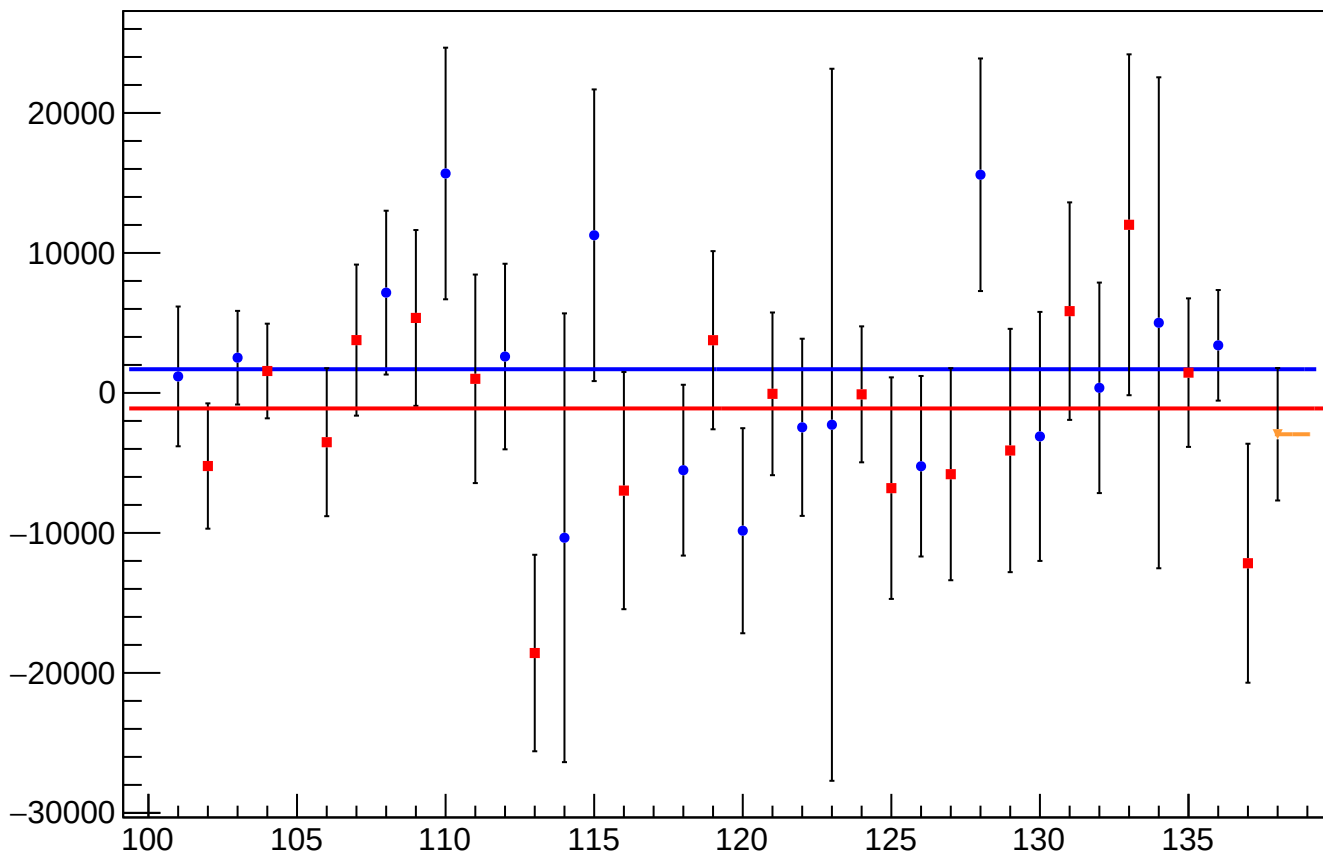
Right Out: 1937.280+/-0.529  $\chi^2/\text{NDF}$ : 229079.5/17

All: 1934.252+/-0.368  $\chi^2/\text{NDF}$ : 846967.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr\_dd\_correction\_mean vs Slug



Right In: 1693.966+/-1551.941  $\chi^2/\text{NDF}$ : 13.6/16

Left Out: -2951.425+/-4731.734  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1107.921+/-1412.697  $\chi^2/\text{NDF}$ : 15.9/17

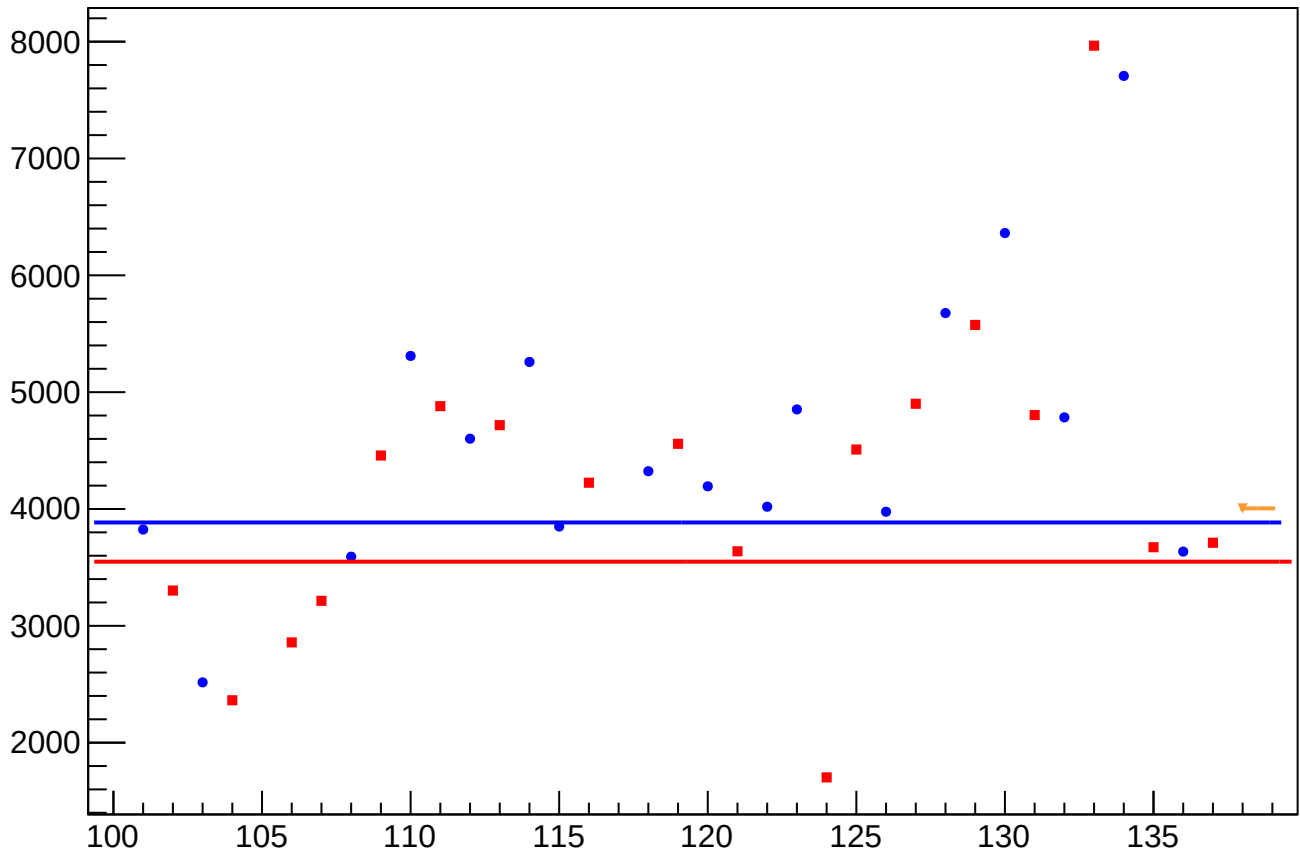
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1242.776+/-1474.650  $\chi^2/\text{NDF}$ : 14.5/17

All: 17.013+/-1020.126  $\chi^2/\text{NDF}$ : 31.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr\_dd\_correction\_rms vs Slug



Right In: 3884.603+/-1.097  $\chi^2/\text{NDF}$ : 826563.8/16

Left Out: 4005.267+/-3.346  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3896.322+/-1.043  $\chi^2/\text{NDF}$ : 827738.0/17

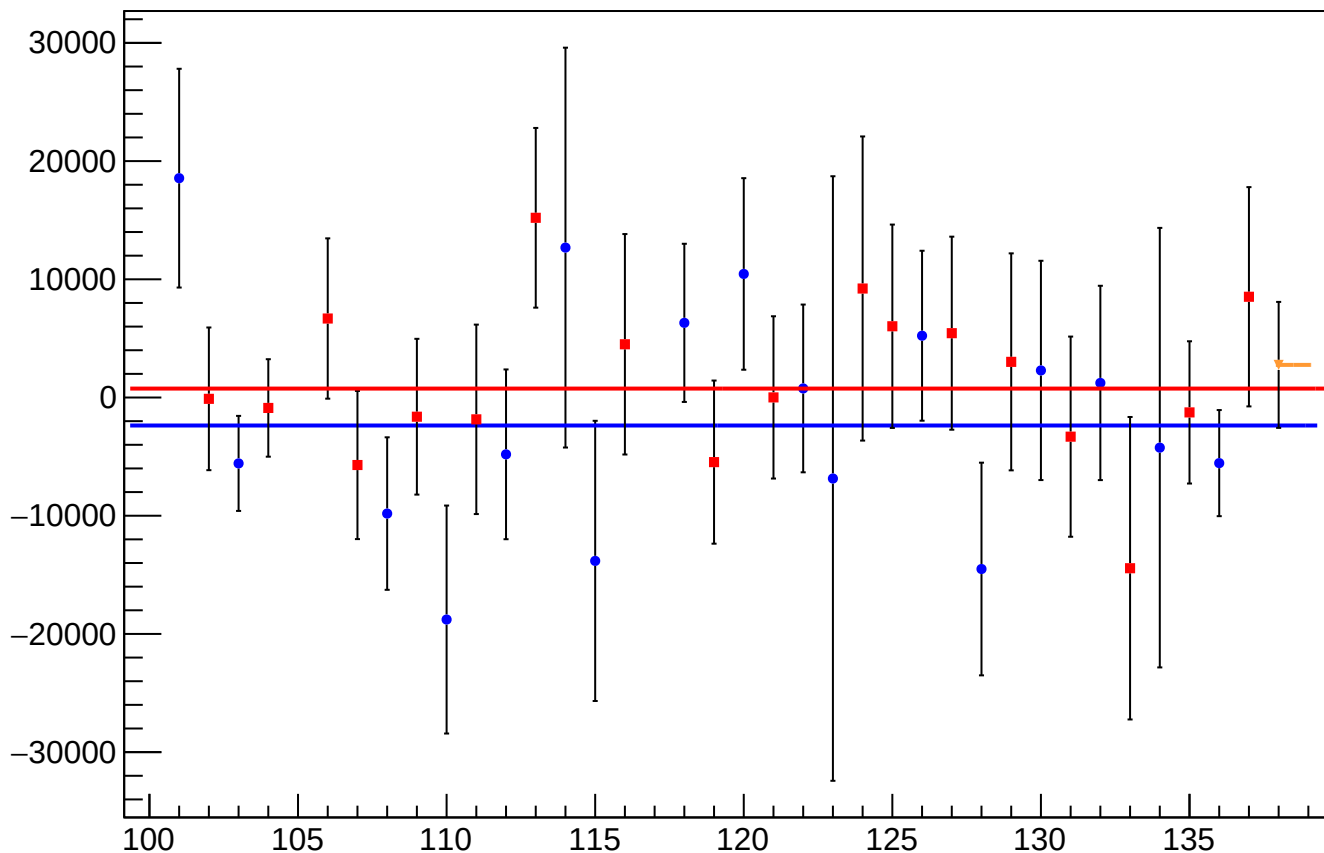
Right Out: 3549.133+/-0.999  $\chi^2/\text{NDF}$ : 1326947.7/17

All: 3715.282+/-0.721  $\chi^2/\text{NDF}$ : 2212494.6/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr\_dd\_mean vs Slug



Right In: -2367.526+/-1801.942  $\chi^2/\text{NDF}$ : 20.1/16

Left Out: 2759.468+/-5329.044  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 755.757+/-1693.103  $\chi^2/\text{NDF}$ : 10.5/17

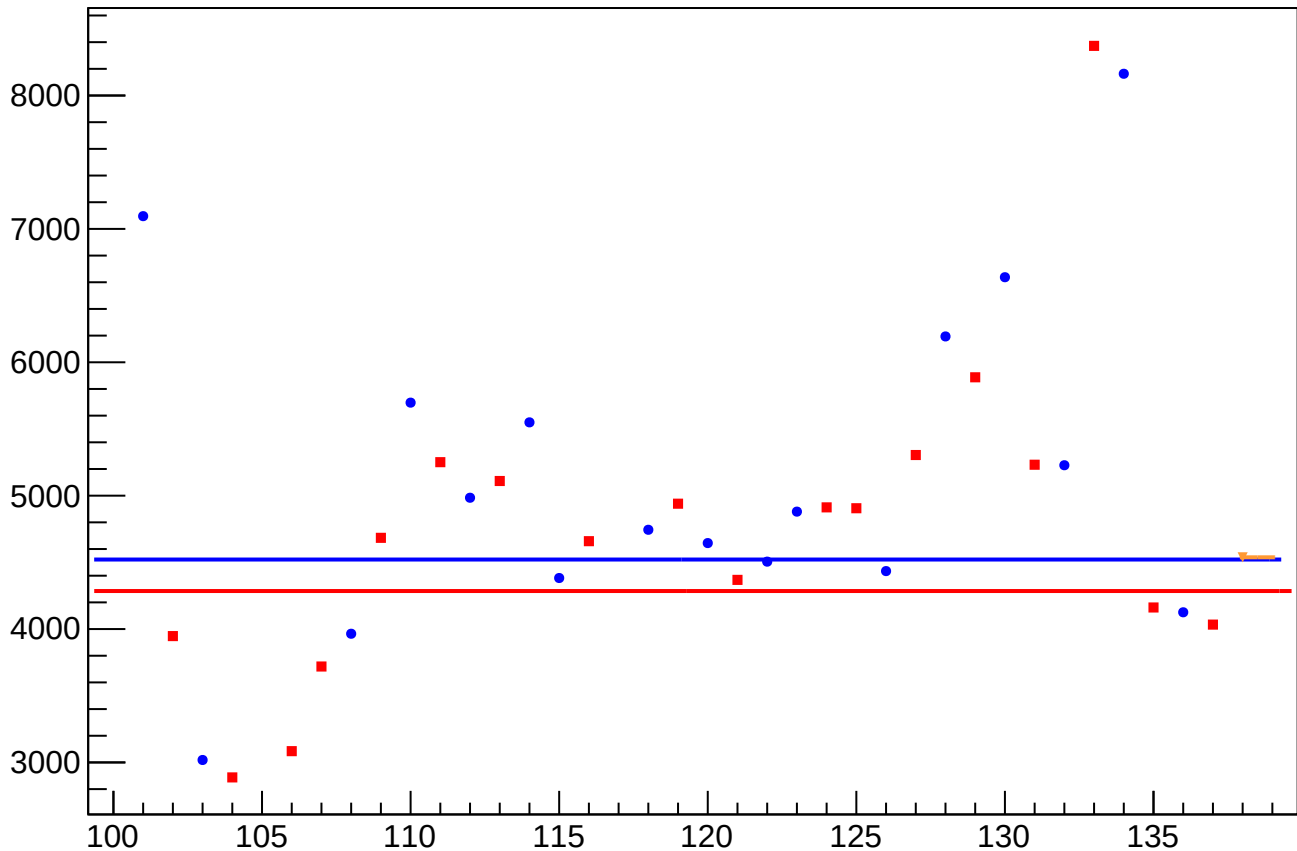
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -1841.473+/-1706.997  $\chi^2/\text{NDF}$ : 21.0/17

All: -532.244+/-1202.087  $\chi^2/\text{NDF}$ : 32.6/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr\_dd\_rms vs Slug



Right In:  $4521.230 \pm 1.274$   $\chi^2/\text{NDF}: 778675.0/16$

Left Out:  $4537.753 \pm 3.768$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $4285.069 \pm 1.191$   $\chi^2/\text{NDF}: 746400.9/17$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

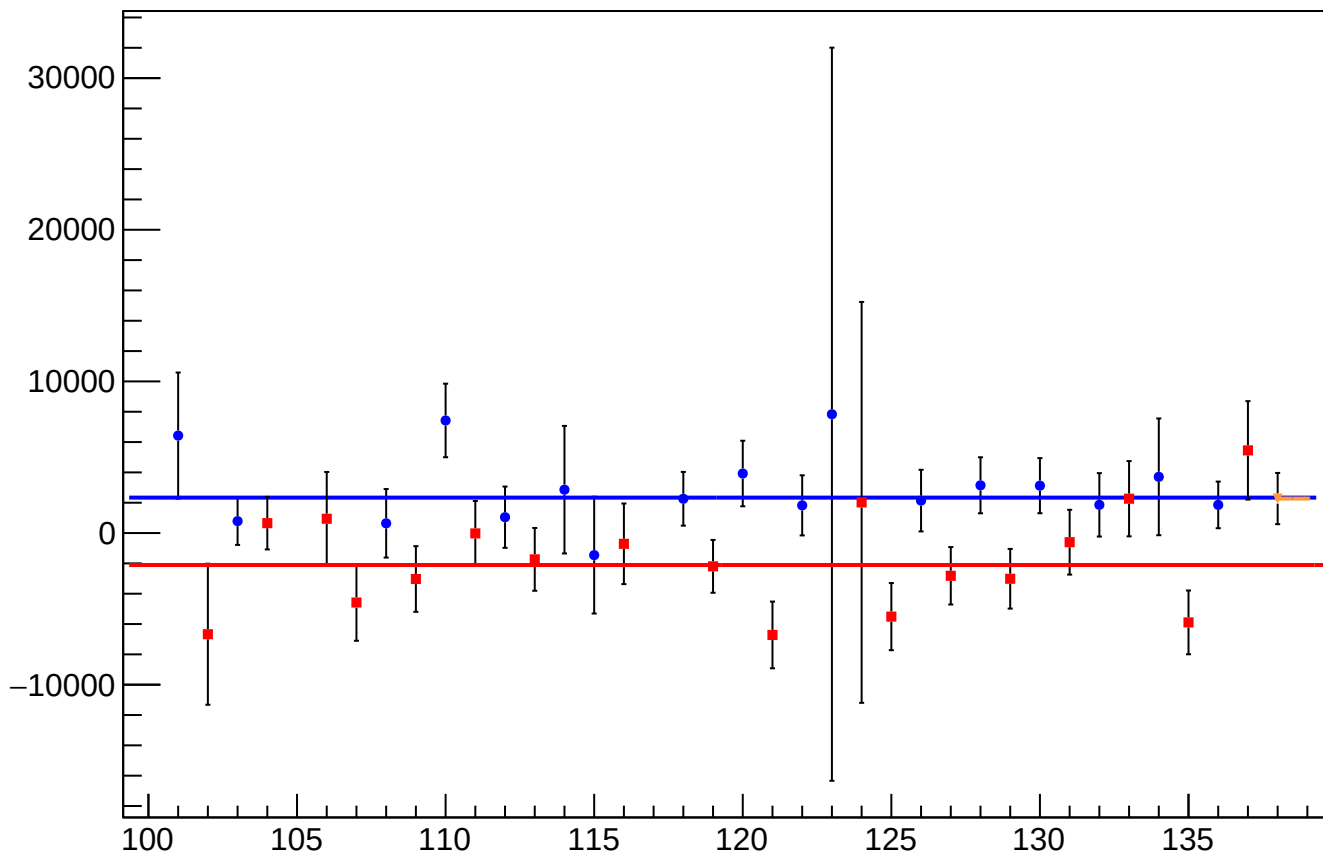
+ sign  $4522.925 \pm 1.207$   $\chi^2/\text{NDF}: 778692.2/17$

All:  $4402.361 \pm 0.848$   $\chi^2/\text{NDF}: 1544776.3/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



dit\_asym\_atl\_avg\_atr\_avg\_avg\_mean vs Slug



Right In: 2336.975 $\pm$ 531.132  $\chi^2$ /NDF: 9.6/16

Left Out: 2275.294 $\pm$ 1689.533  $\chi^2$ /NDF:0.0/0

Right Out: -2107.117 $\pm$ 539.611  $\chi^2$ /NDF: 26.4/17

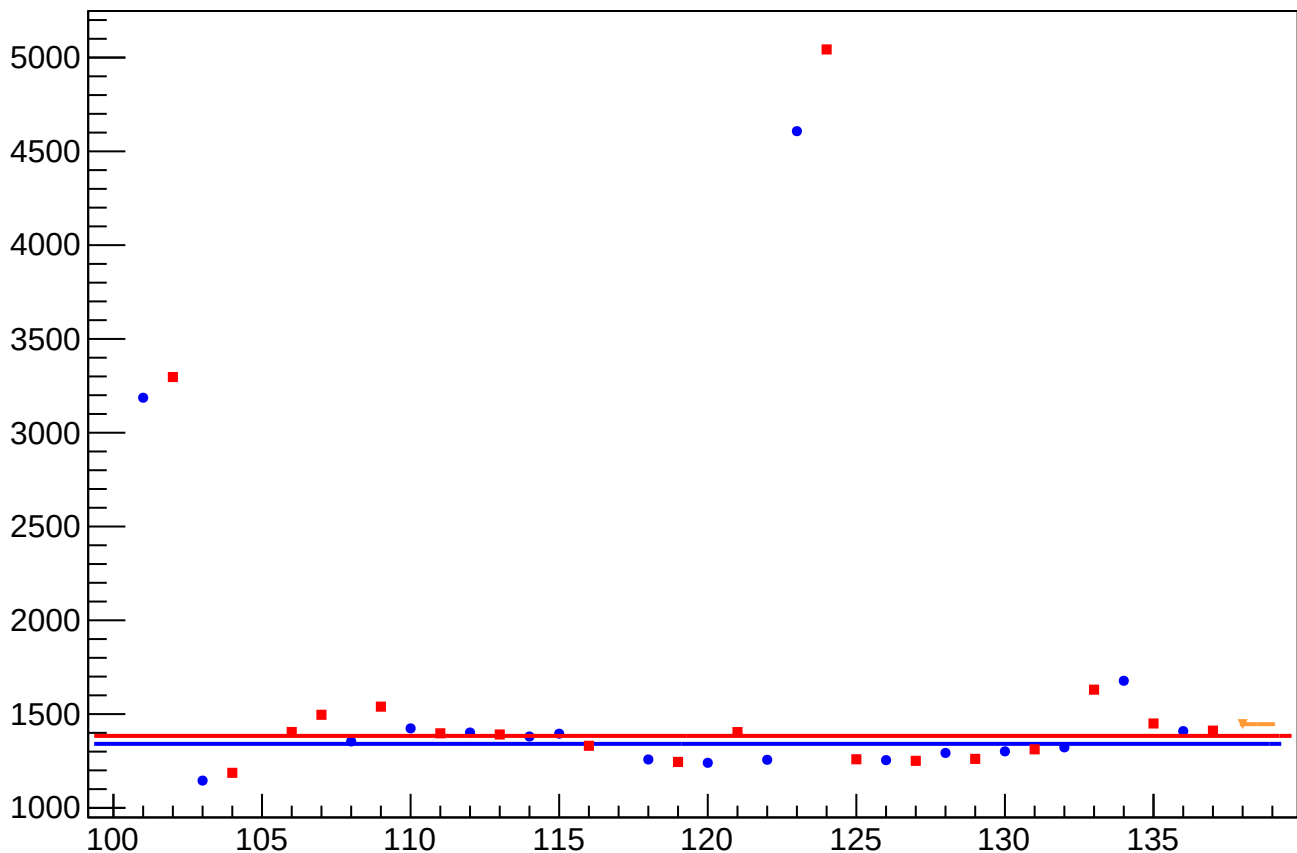
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 2331.427 $\pm$ 506.685  $\chi^2$ /NDF: 9.6/17

All: 251.693 $\pm$ 369.372  $\chi^2$ /NDF: 71.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_asym\_atl\_avg\_atr\_avg\_avg\_rms vs Slug



Right In: 1341.374+/-0.376  $\chi^2/\text{NDF}$ : 504272.1/16

Left Out: 1446.266+/-1.195  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1383.916+/-0.381  $\chi^2/\text{NDF}$ : 593846.2/17

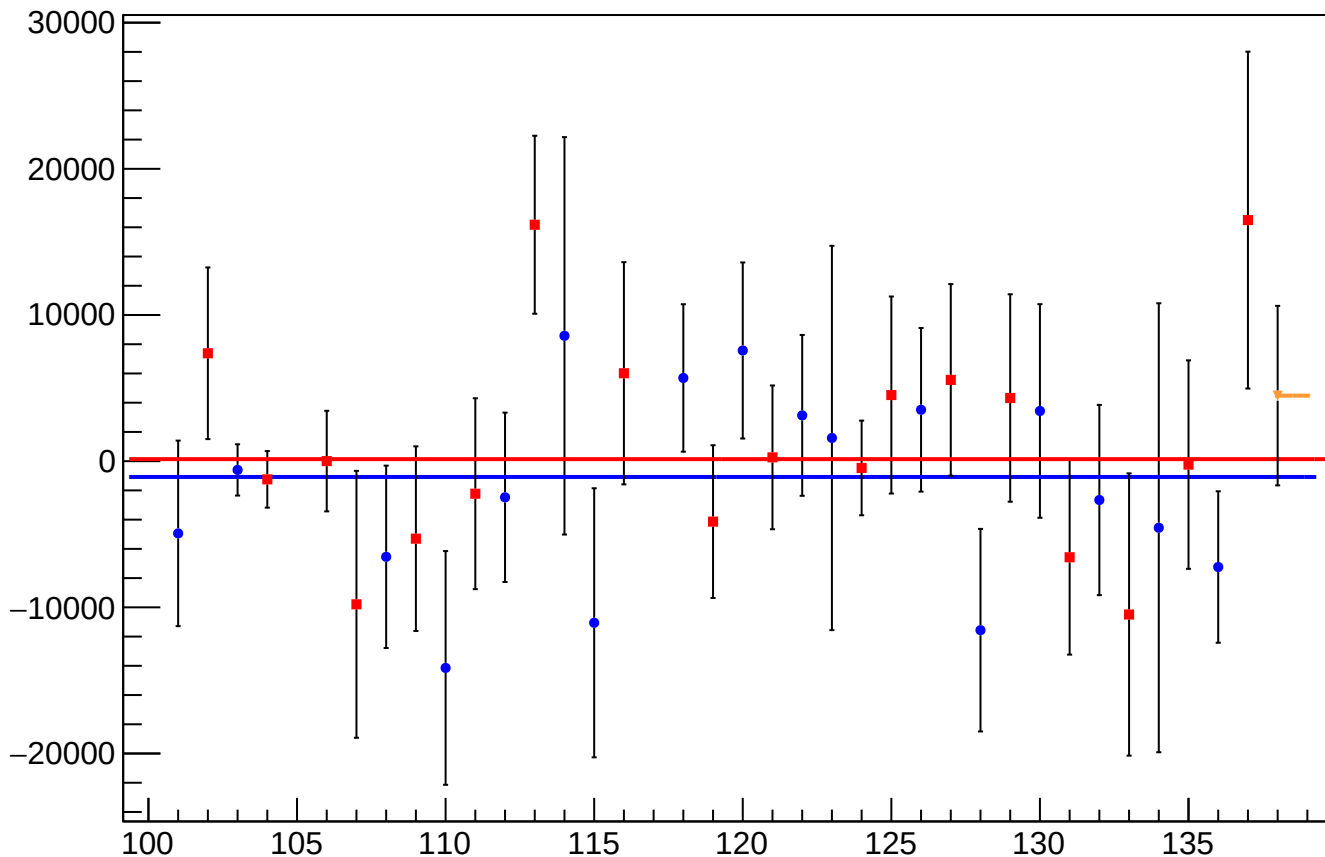
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1350.808+/-0.358  $\chi^2/\text{NDF}$ : 511287.4/17

All: 1366.329+/-0.261  $\chi^2/\text{NDF}$ : 1109136.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_atl\_avg\_atr\_avg\_avg\_correction\_mean vs Slug



Right In: -1081.040+/-1212.382  $\chi^2/\text{NDF}$ : 15.0/16

Left Out: 4484.542+/-6140.830  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 138.838+/-1129.319  $\chi^2/\text{NDF}$ : 18.0/17

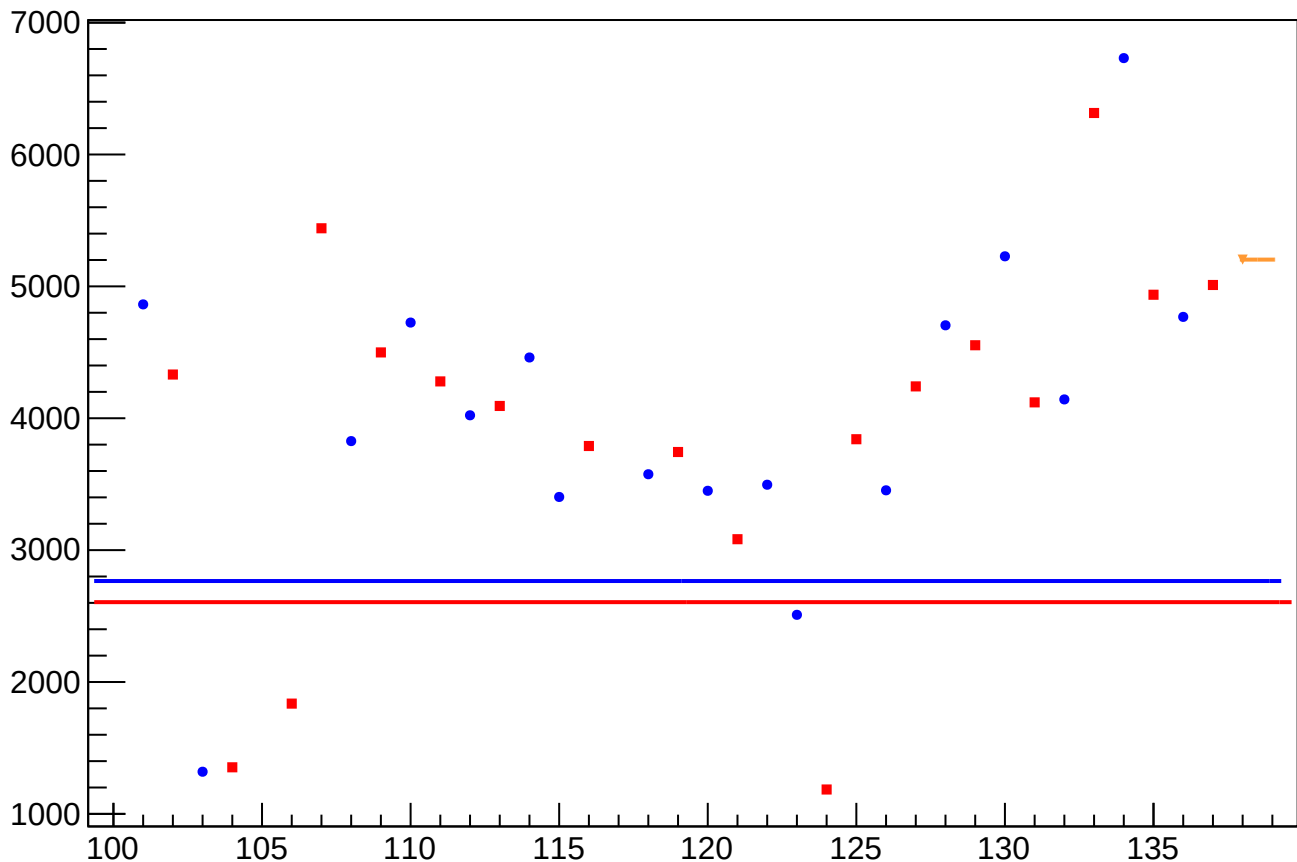
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -872.241+/-1189.423  $\chi^2/\text{NDF}$ : 15.8/17

All: -340.511+/-818.973  $\chi^2/\text{NDF}$ : 34.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_atl\_avg\_atr\_avg\_avg\_correction\_rms vs Slug



Right In: 2765.736+/-0.857  $\chi^2/\text{NDF}$ : 2939083.2/16

Left Out: 5202.958+/-4.342  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2605.528+/-0.799  $\chi^2/\text{NDF}$ : 3322334.9/17

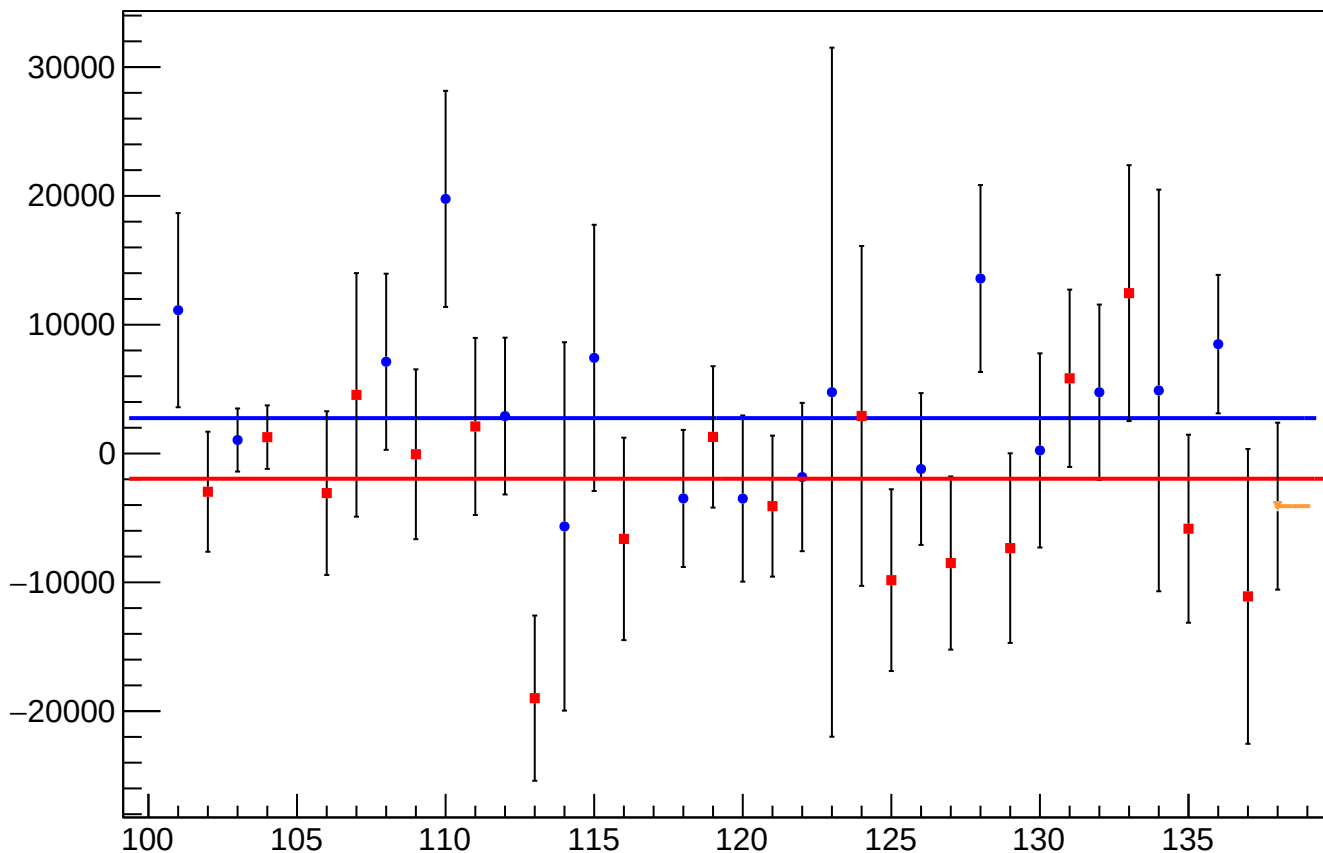
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2857.171+/-0.841  $\chi^2/\text{NDF}$ : 3242304.1/17

All: 2724.831+/-0.579  $\chi^2/\text{NDF}$ : 6611718.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_avg\_atr\_avg\_avg\_mean vs Slug



Right In: 2748.280+/-1446.638  $\chi^2/\text{NDF}$ : 13.8/16

Left Out: -4086.240+/-6480.434  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1955.923+/-1384.301  $\chi^2/\text{NDF}$ : 17.8/17

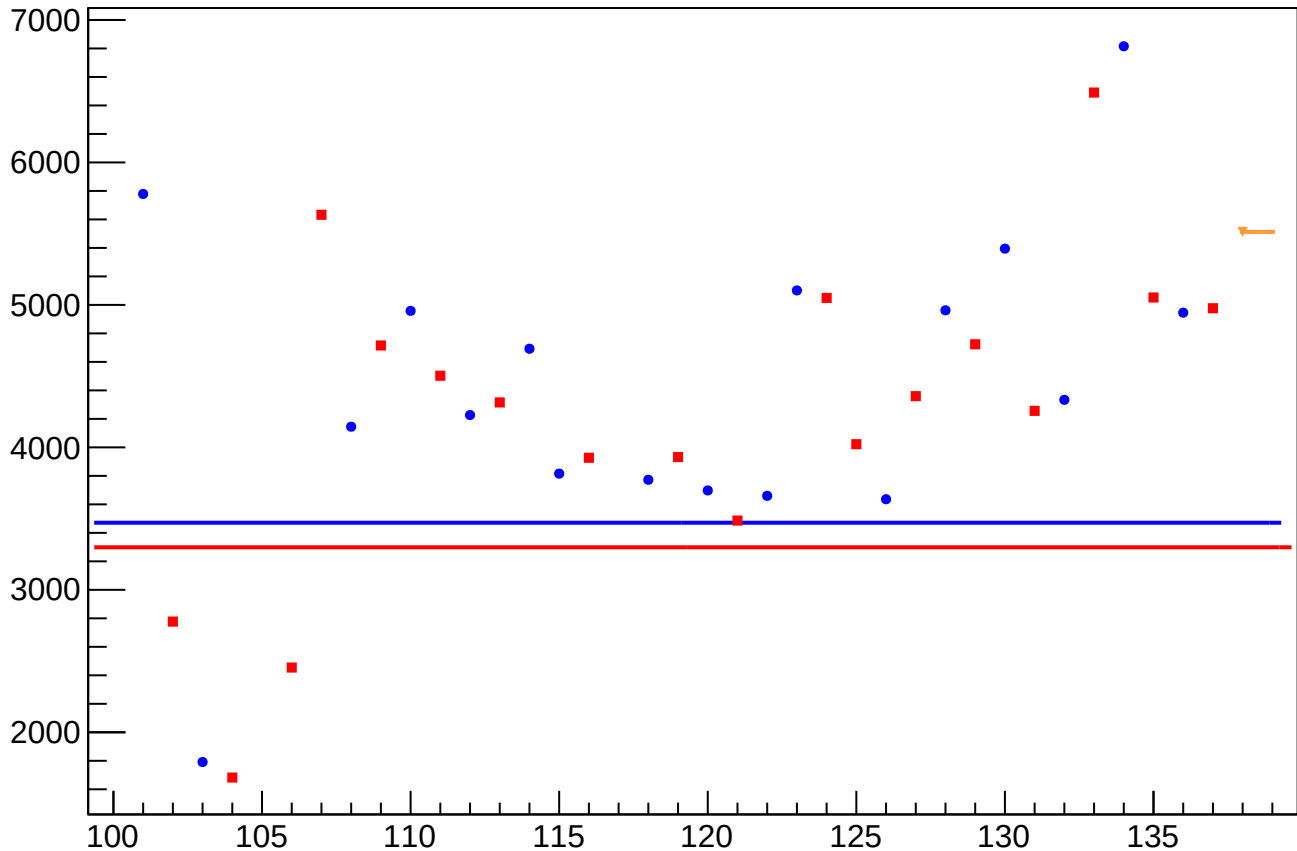
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2423.866+/-1411.887  $\chi^2/\text{NDF}$ : 14.8/17

All: 190.766+/-988.457  $\chi^2/\text{NDF}$ : 37.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_avg\_atr\_avg\_avg\_rms vs Slug



Right In: 3471.154+/-1.023  $\chi^2/\text{NDF}$ : 1767892.8/16

Left Out: 5512.679+/-4.582  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3298.657+/-0.970  $\chi^2/\text{NDF}$ : 1886021.8/17

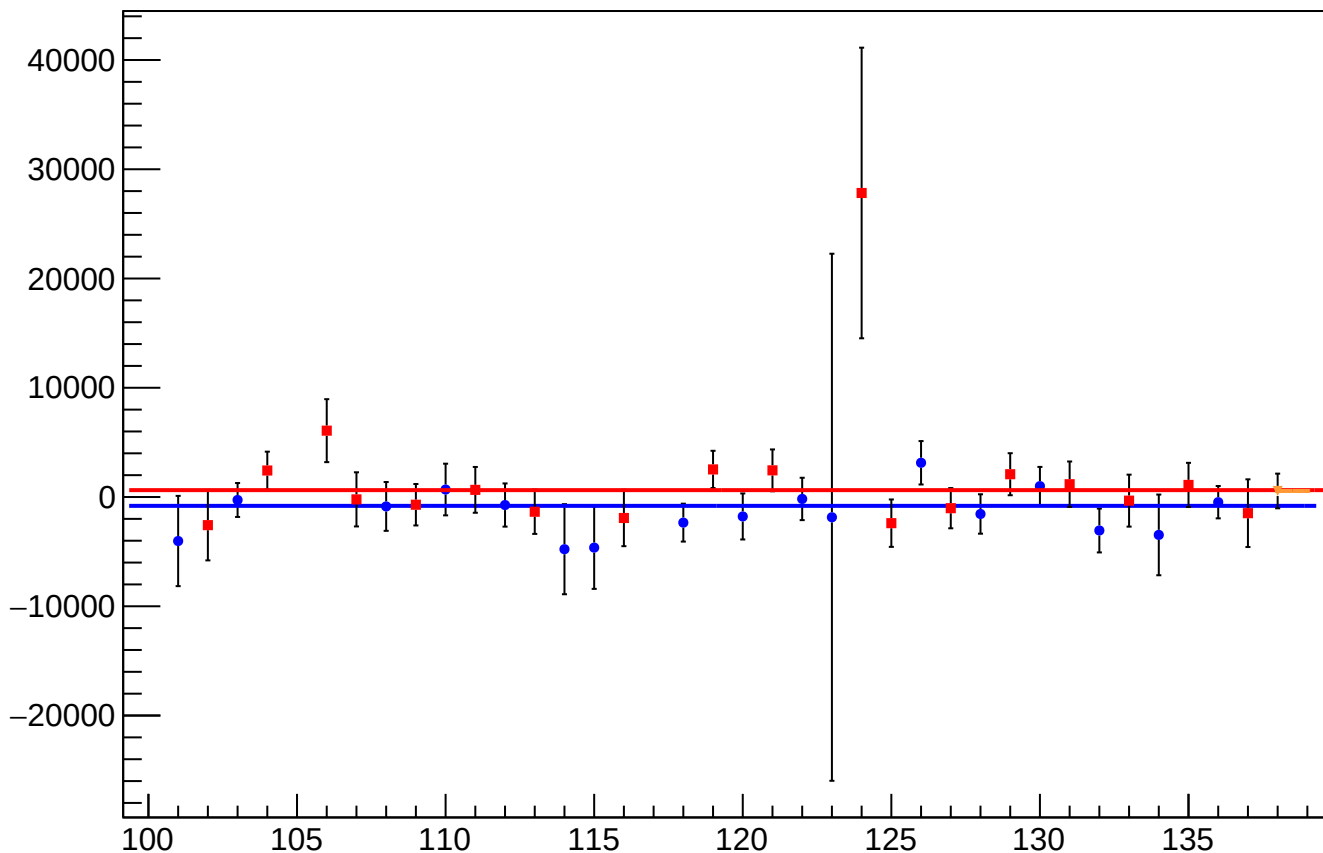
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3568.054+/-0.998  $\chi^2/\text{NDF}$ : 1956958.4/17

All: 3429.461+/-0.696  $\chi^2/\text{NDF}$ : 3880441.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_atl\_avg\_atr\_avg\_dd\_mean vs Slug



Right In: -809.017+/-518.190  $\chi^2/\text{NDF}$ : 11.2/16

Left Out: 553.785+/-1586.300  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 630.651+/-514.931  $\chi^2/\text{NDF}$ : 18.6/17

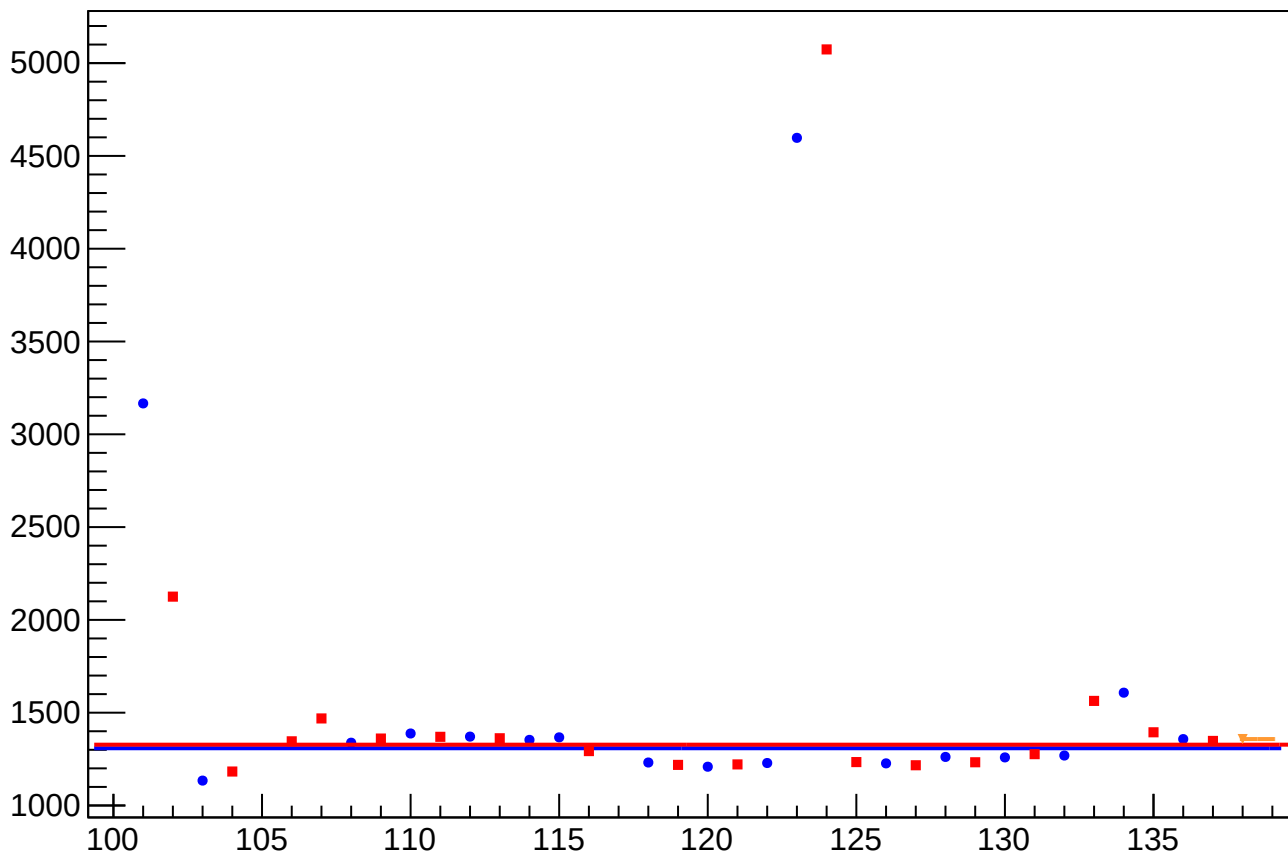
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -677.614+/-492.574  $\chi^2/\text{NDF}$ : 11.8/17

All: -52.498+/-355.944  $\chi^2/\text{NDF}$ : 33.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_atl\_avg\_atr\_avg\_dd\_rms vs Slug



Right In: 1308.367 $\pm$ 0.366  $\chi^2$ /NDF: 506545.0/16

Left Out: 1357.992 $\pm$ 1.122  $\chi^2$ /NDF: 0.0/0

Right Out: 1327.647 $\pm$ 0.364  $\chi^2$ /NDF: 357330.6/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

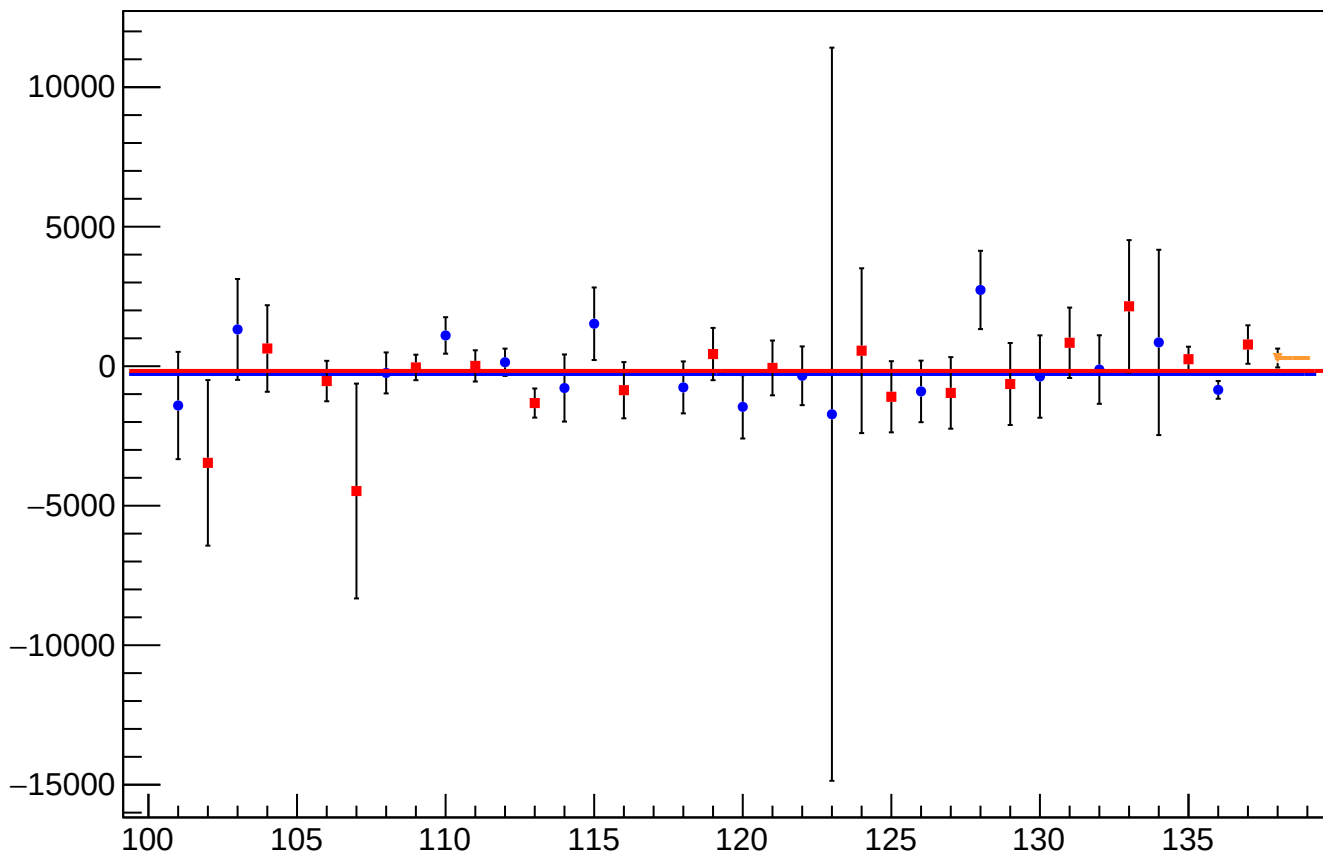
+ sign 1313.151 $\pm$ 0.348  $\chi^2$ /NDF: 508313.6/17

All: 1320.078 $\pm$ 0.252  $\chi^2$ /NDF: 866471.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



asym\_atl\_avg\_atr\_avg\_dd\_correction\_mean vs Slug



Right In: -278.710+/-198.123  $\chi^2$ /NDF: 18.0/16

Left Out: 293.588+/-338.241  $\chi^2$ /NDF:0.0/0

Right Out: -169.608+/-192.488  $\chi^2$ /NDF: 14.4/17

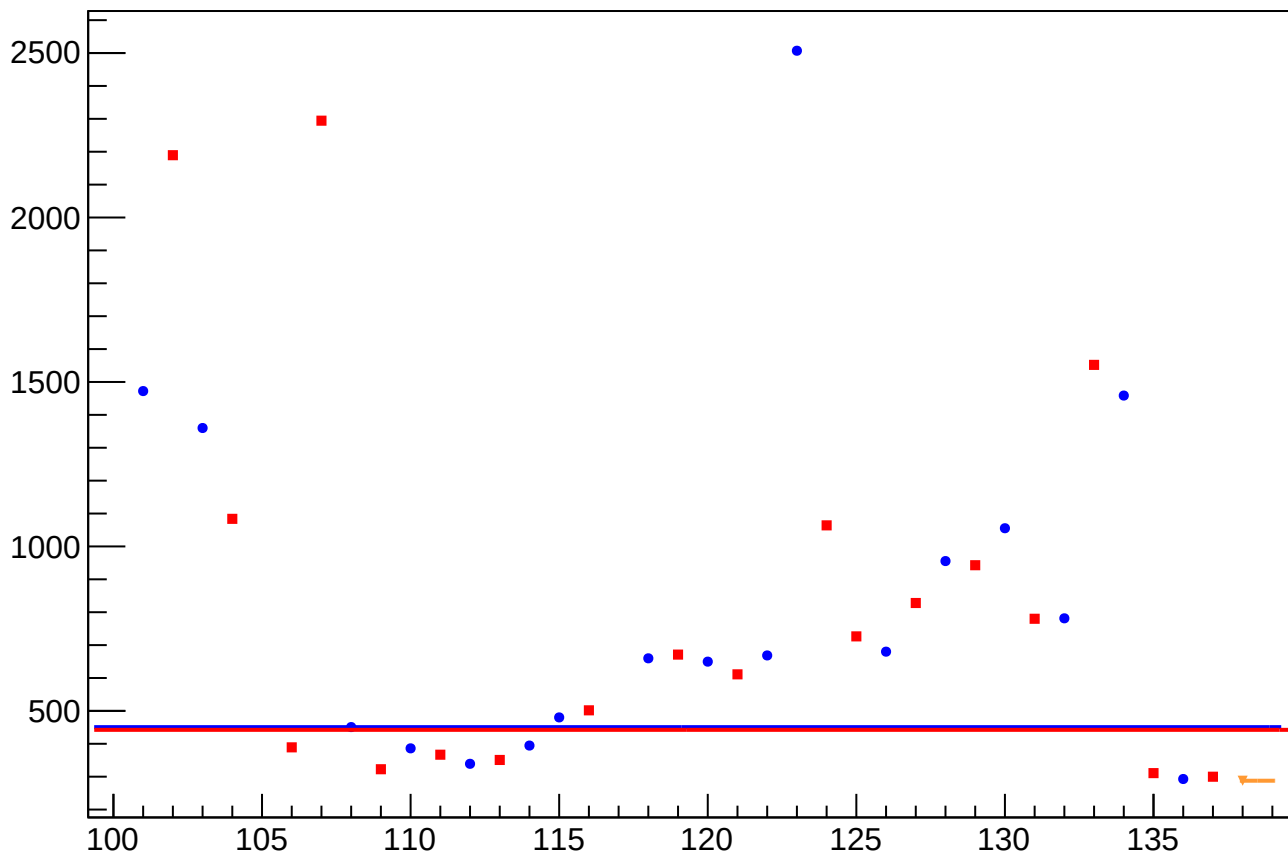
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign -132.516+/-170.954  $\chi^2$ /NDF: 20.2/17

All: -148.872+/-127.821  $\chi^2$ /NDF: 34.6/35

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

asym\_atl\_avg\_atr\_avg\_dd\_correction\_rms vs Slug



Right In: 450.595+/-0.140  $\chi^2/\text{NDF}$ : 2997735.1/16

Left Out: 287.698+/-0.239  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 442.368+/-0.136  $\chi^2/\text{NDF}$ : 3368329.0/17

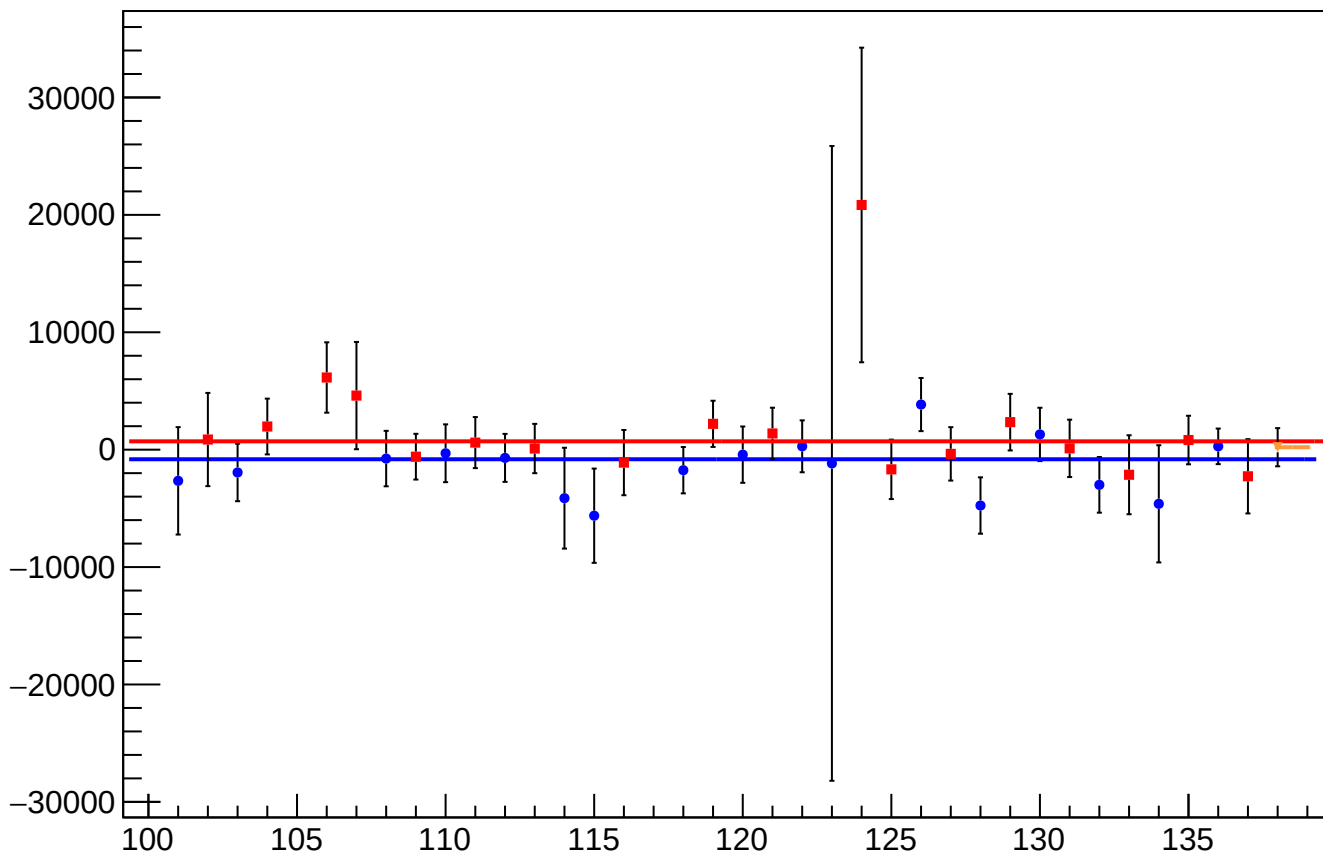
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 408.983+/-0.121  $\chi^2/\text{NDF}$ : 3343116.9/17

All: 423.704+/-0.090  $\chi^2/\text{NDF}$ : 6745078.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_avg\_atr\_avg\_dd\_mean vs Slug



Right In: -817.110+/-601.150  $\chi^2/\text{NDF}$ : 12.7/16

Left Out: 209.113+/-1626.160  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 710.618+/-596.065  $\chi^2/\text{NDF}$ : 11.4/17

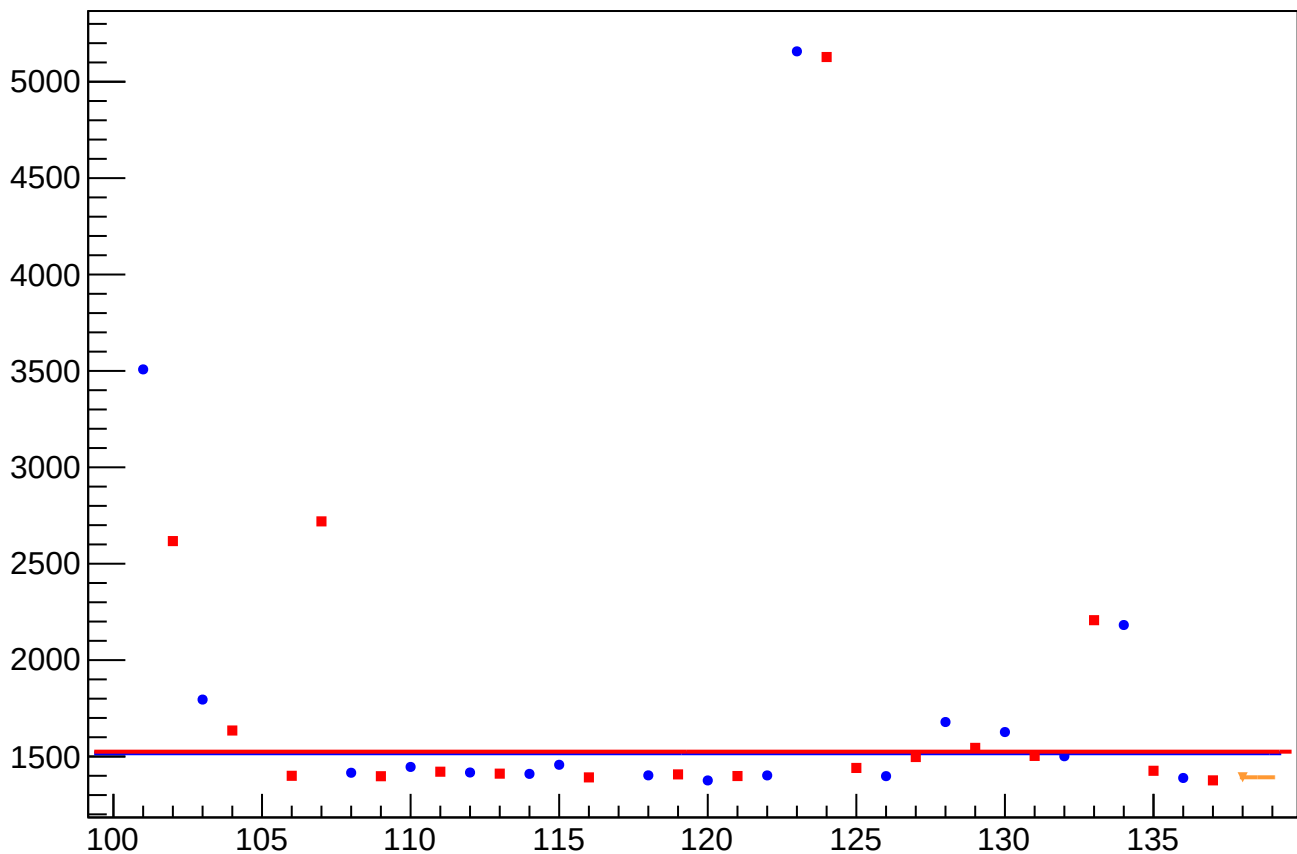
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -693.729+/-563.855  $\chi^2/\text{NDF}$ : 13.0/17

All: -30.523+/-409.620  $\chi^2/\text{NDF}$ : 27.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_avg\_atr\_avg\_dd\_rms vs Slug



Right In: 1516.935+/-0.425  $\chi^2/\text{NDF}$ : 541039.6/16

Left Out: 1392.205+/-1.150  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1525.099+/-0.421  $\chi^2/\text{NDF}$ : 571929.2/17

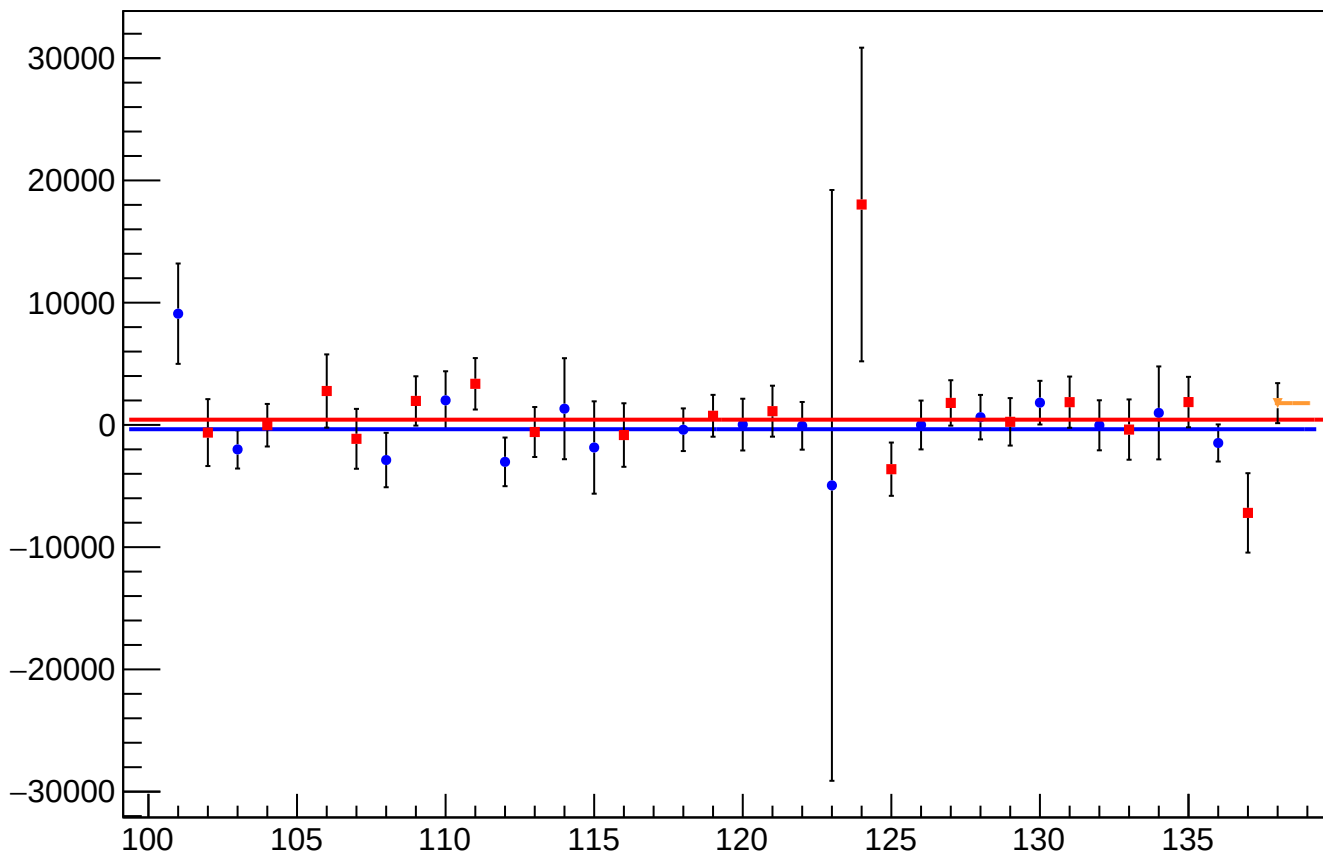
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1501.939+/-0.399  $\chi^2/\text{NDF}$ : 551391.4/17

All: 1512.877+/-0.290  $\chi^2/\text{NDF}$ : 1124914.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_atl\_dd\_atr\_dd\_avg\_mean vs Slug



Right In: -353.131+/-523.324  $\chi^2$ /NDF: 13.4/16

Left Out: 1780.692+/-1637.094  $\chi^2$ /NDF: 0.0/0

Right Out: 429.167+/-522.342  $\chi^2$ /NDF: 16.8/17

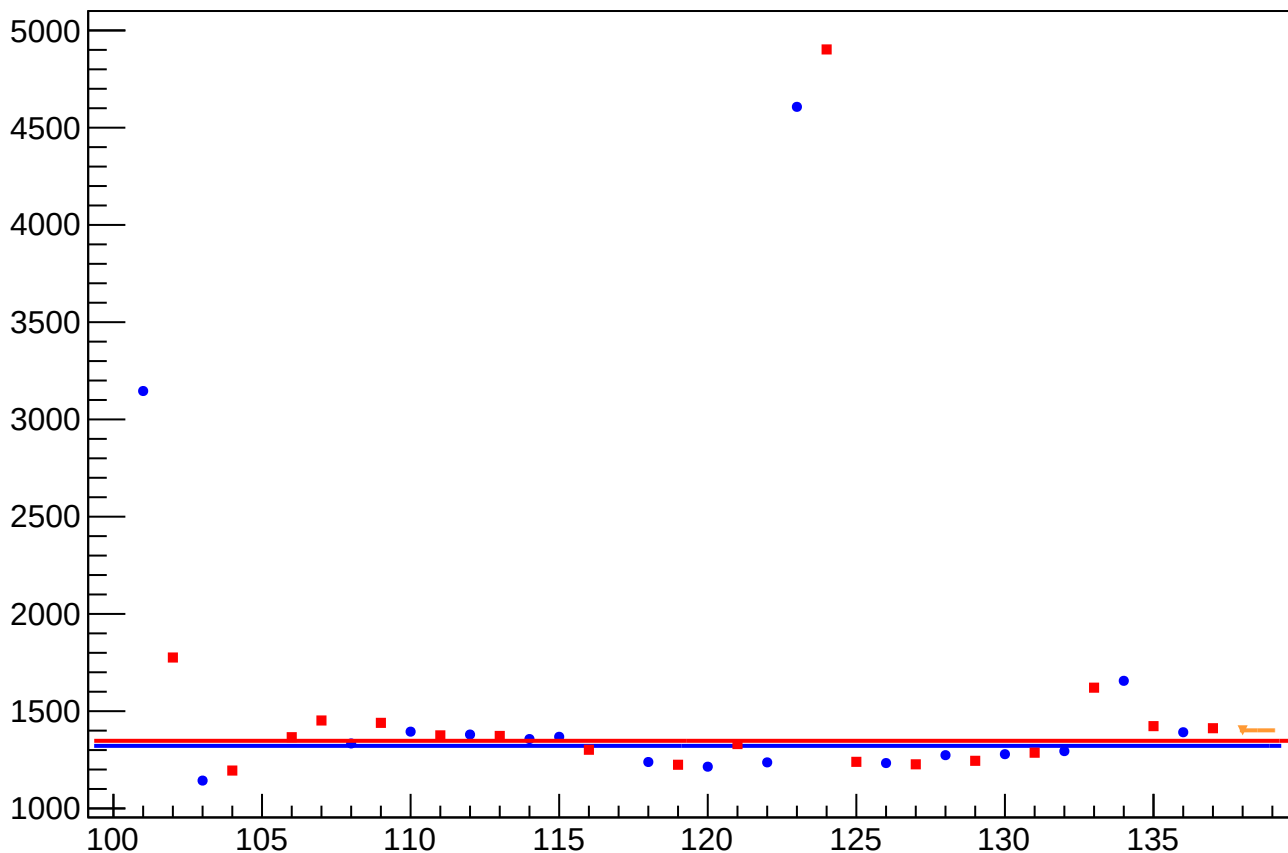
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign -155.298+/-498.475  $\chi^2$ /NDF: 14.9/17

All: 123.277+/-360.617  $\chi^2$ /NDF: 32.4/35

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

dit\_asym\_atl\_dd\_atr\_dd\_avg\_rms vs Slug



Right In: 1321.703+/-0.370  $\chi^2/\text{NDF}$ : 502245.7/16

Left Out: 1401.492+/-1.158  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1347.646+/-0.369  $\chi^2/\text{NDF}$ : 286301.2/17

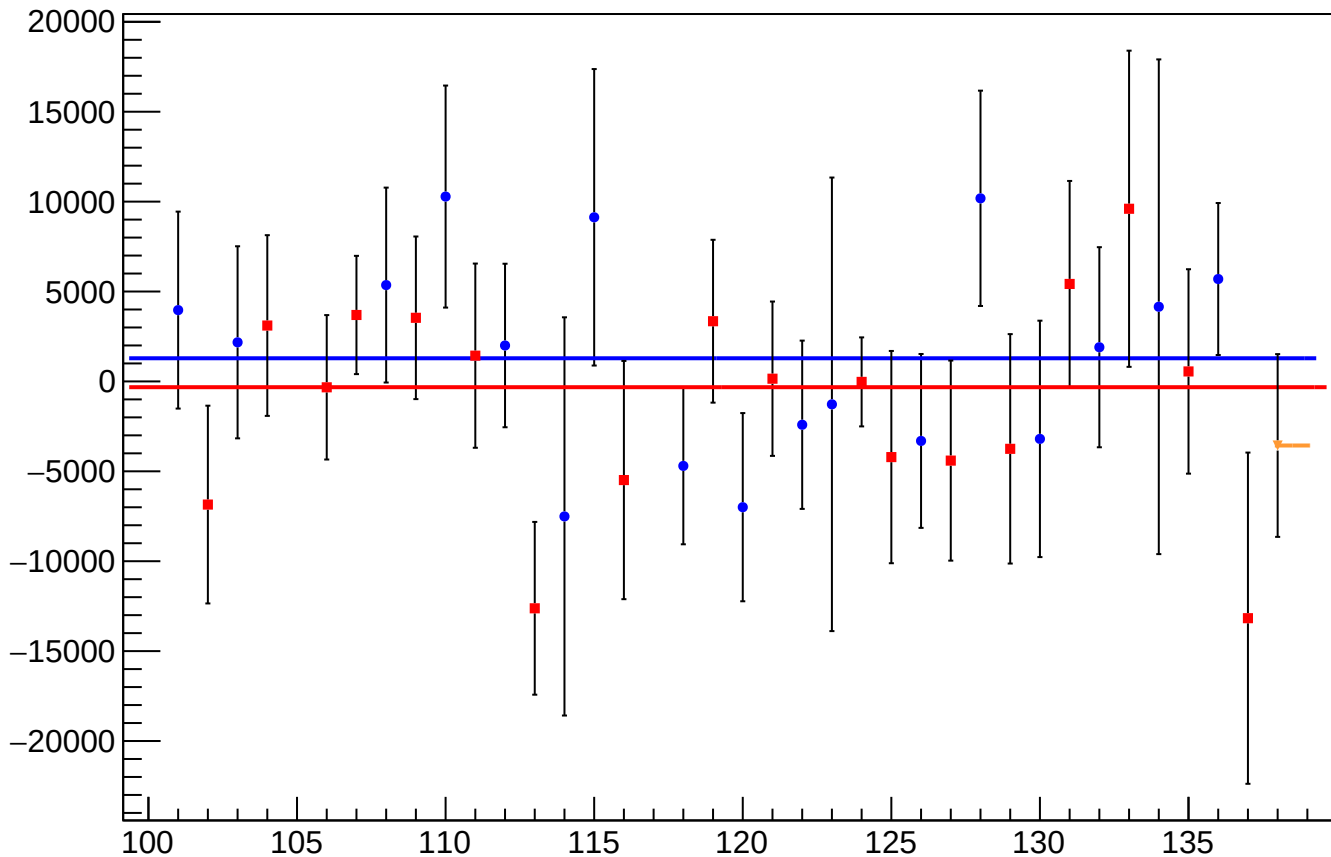
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1329.100+/-0.352  $\chi^2/\text{NDF}$ : 506556.2/17

All: 1337.945+/-0.255  $\chi^2/\text{NDF}$ : 794177.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_atl\_dd\_atr\_dd\_avg\_correction\_mean vs Slug



Right In: 1287.495 $\pm$ 1375.853  $\chi^2$ /NDF: 14.3/16

Left Out: -3564.439 $\pm$ 5082.553  $\chi^2$ /NDF:0.0/0

Right Out: -321.508 $\pm$ 1105.580  $\chi^2$ /NDF: 17.6/17

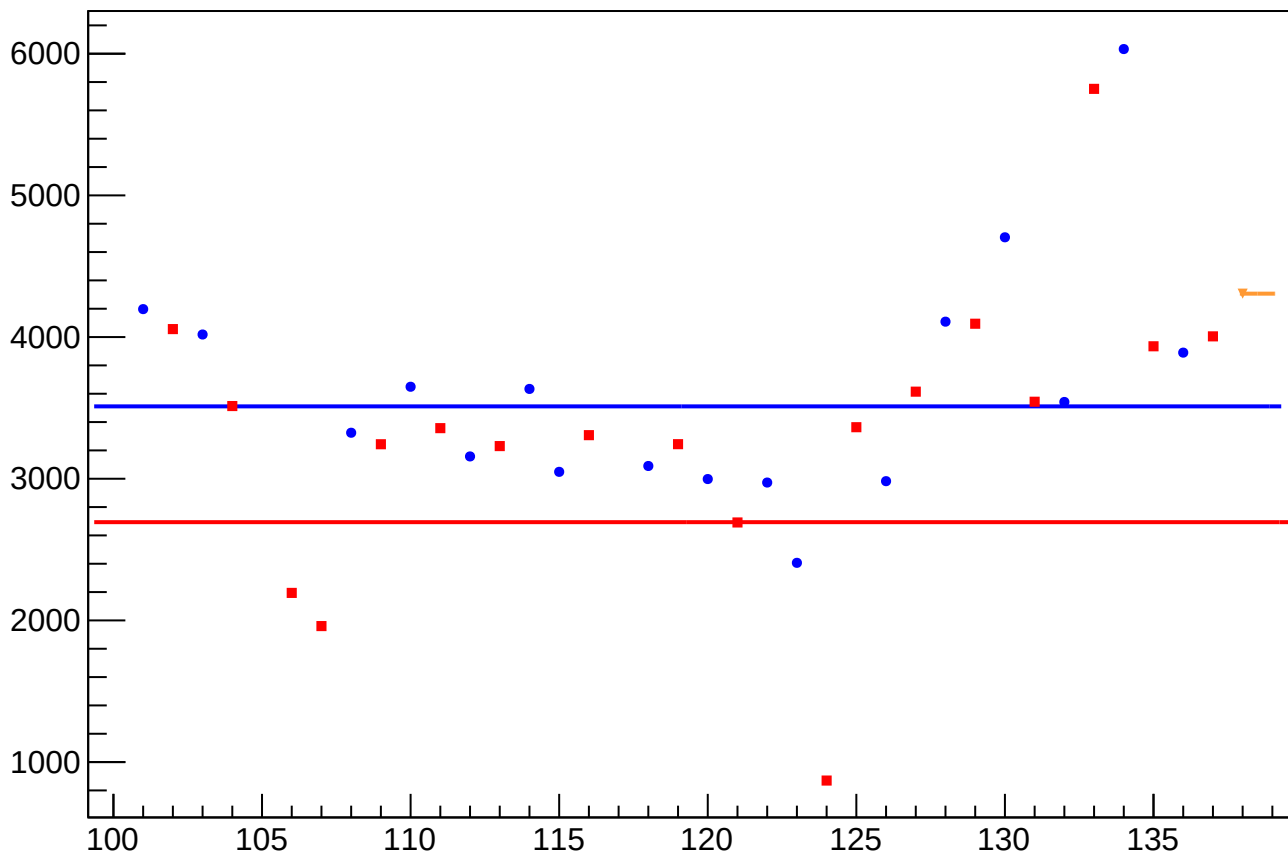
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 956.224 $\pm$ 1328.054  $\chi^2$ /NDF: 15.1/17

All: 201.520 $\pm$ 849.686  $\chi^2$ /NDF: 33.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

asym\_atl\_dd\_atr\_dd\_avg\_correction\_rms vs Slug



Right In: 3510.799+/-0.973  $\chi^2/\text{NDF}$ : 344054.4/16

Left Out: 4306.374+/-3.594  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2693.503+/-0.782  $\chi^2/\text{NDF}$ : 2125842.2/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

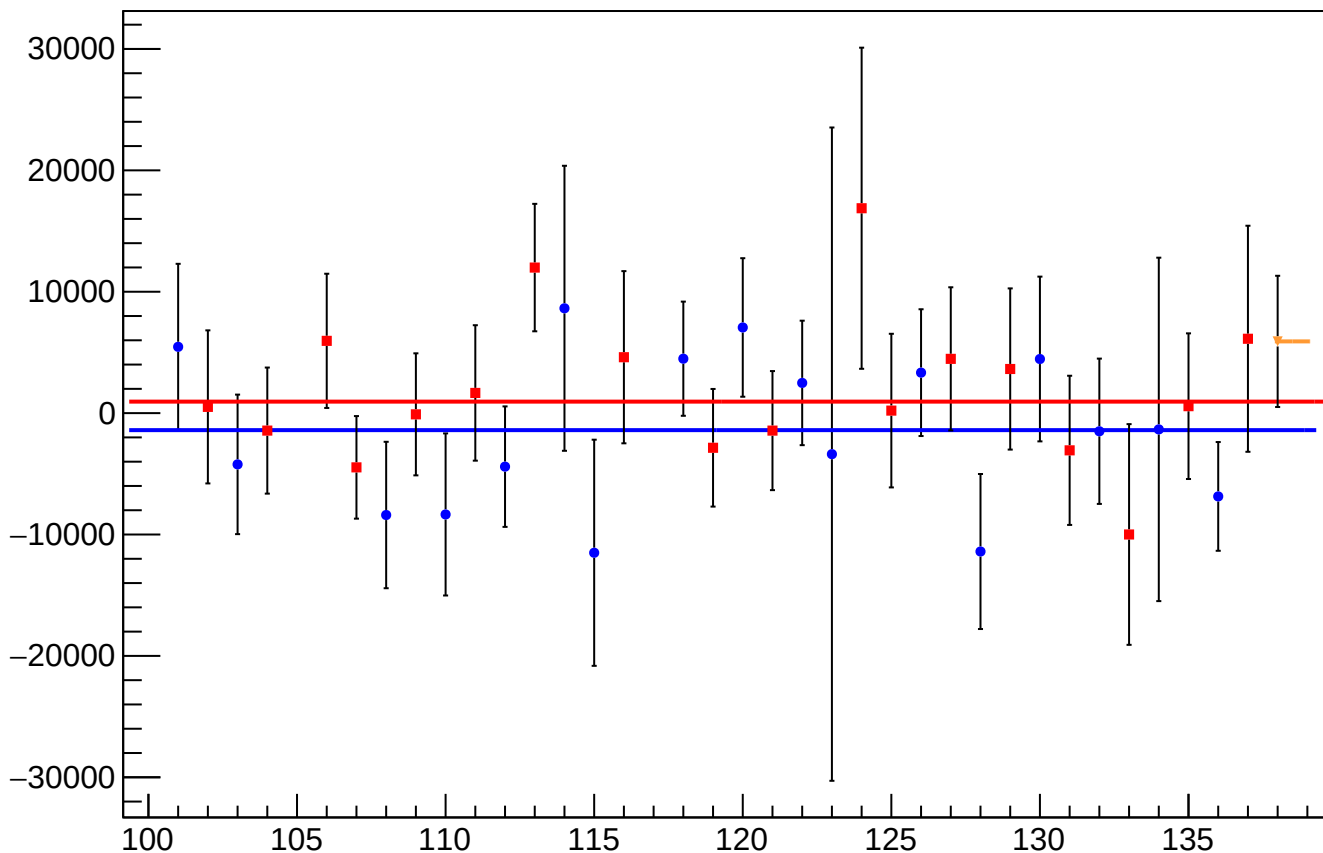
+ sign 3565.117+/-0.939  $\chi^2/\text{NDF}$ : 389712.3/17

All: 3050.291+/-0.601  $\chi^2/\text{NDF}$ : 3024398.0/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_atl\_dd\_atr\_dd\_avg\_mean vs Slug



Right In:  $-1401.442 \pm 1504.149$   $\chi^2/\text{NDF}$ : 15.8/16

Left Out:  $5908.892 \pm 5405.439$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $947.960 \pm 1382.709$   $\chi^2/\text{NDF}$ : 12.5/17

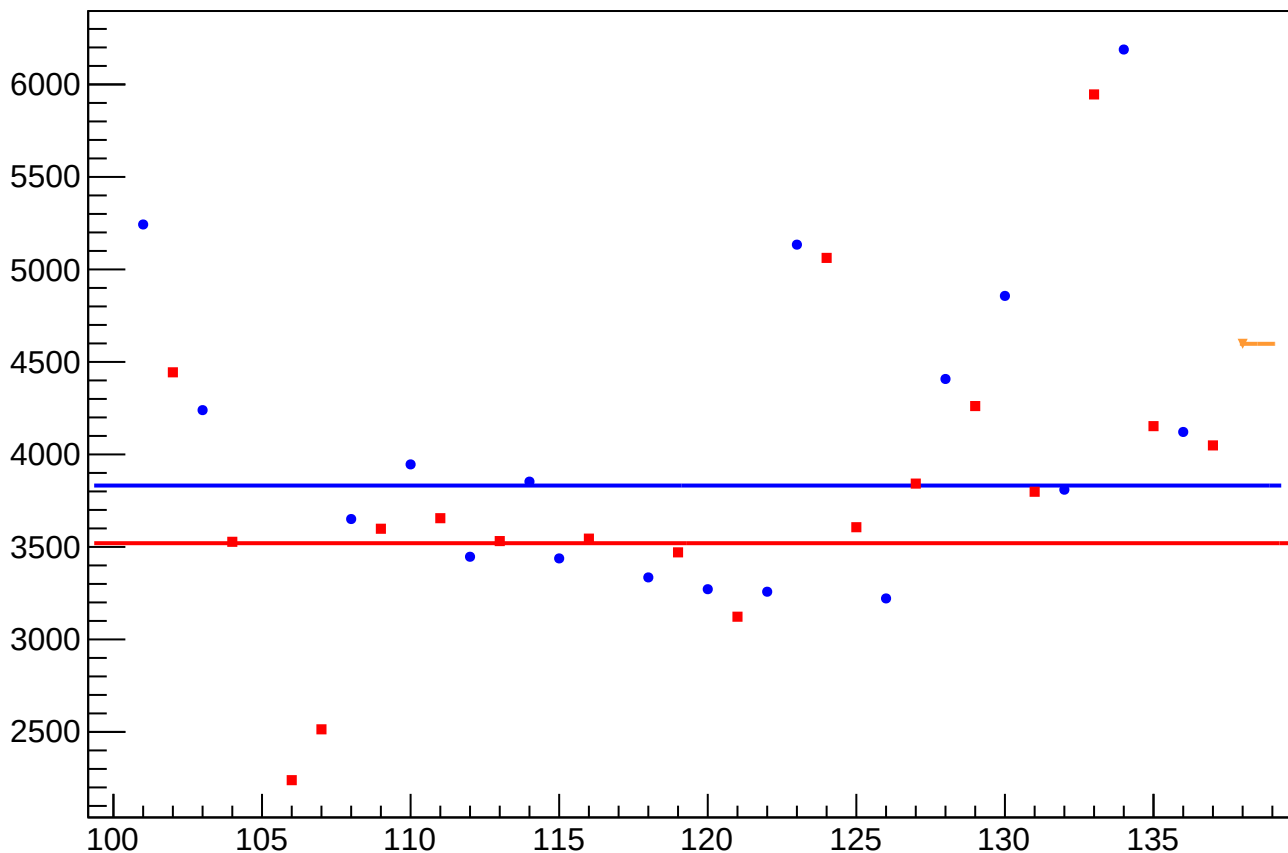
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-876.069 \pm 1449.092$   $\chi^2/\text{NDF}$ : 17.5/17

All:  $78.681 \pm 1000.368$   $\chi^2/\text{NDF}$ : 30.8/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_dd\_atr\_dd\_avg\_rms vs Slug



Right In: 3831.818+/-1.064  $\chi^2/\text{NDF}$ : 337707.1/16

Left Out: 4597.952+/-3.822  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3520.188+/-0.969  $\chi^2/\text{NDF}$ : 544143.8/17

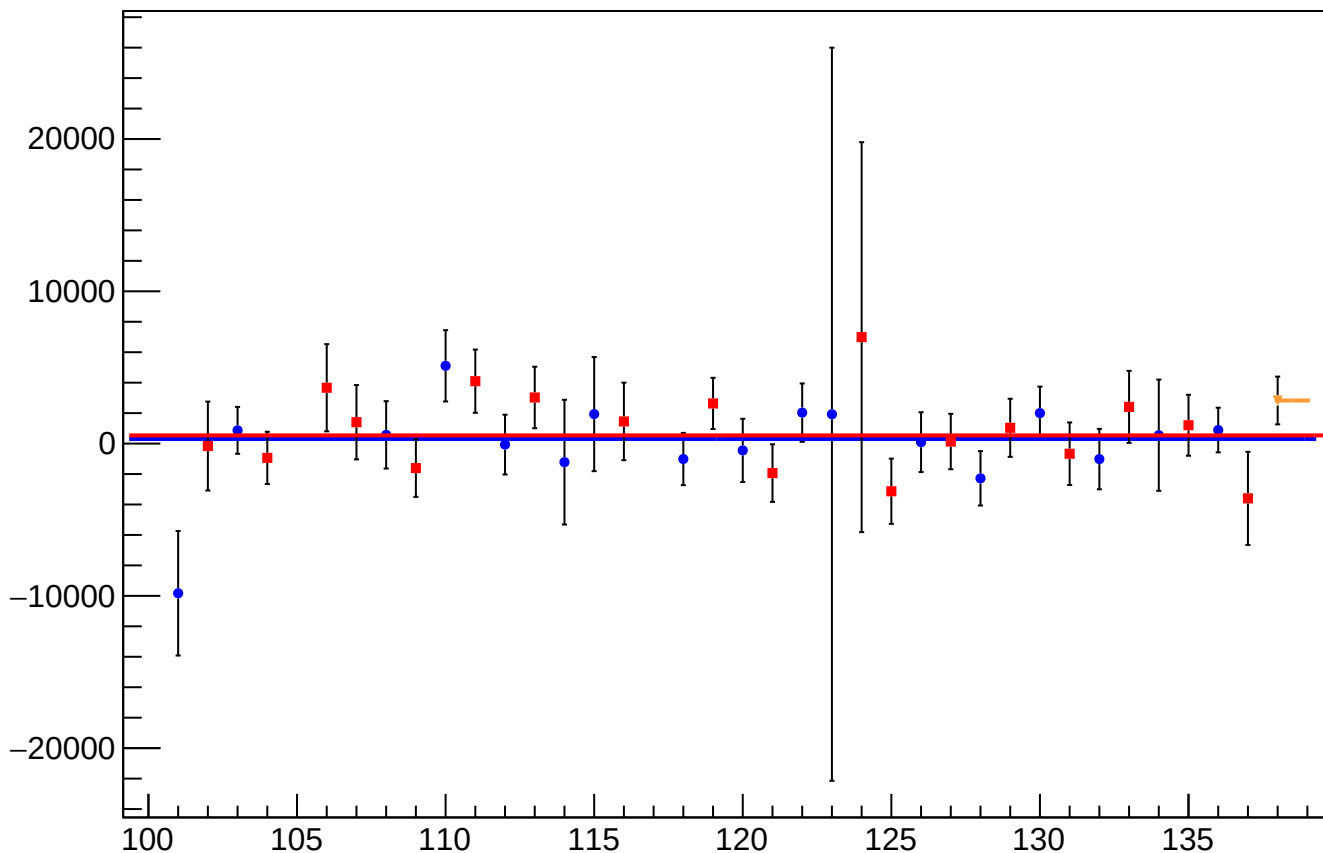
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3886.876+/-1.025  $\chi^2/\text{NDF}$ : 374996.8/17

All: 3693.266+/-0.704  $\chi^2/\text{NDF}$ : 986761.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atl\_dd\_atr\_dd\_dd\_mean vs Slug



Right In: 301.968+/-512.834  $\chi^2/\text{NDF}$ : 16.1/16

Left Out: 2829.961+/-1568.295  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 537.727+/-508.684  $\chi^2/\text{NDF}$ : 17.5/17

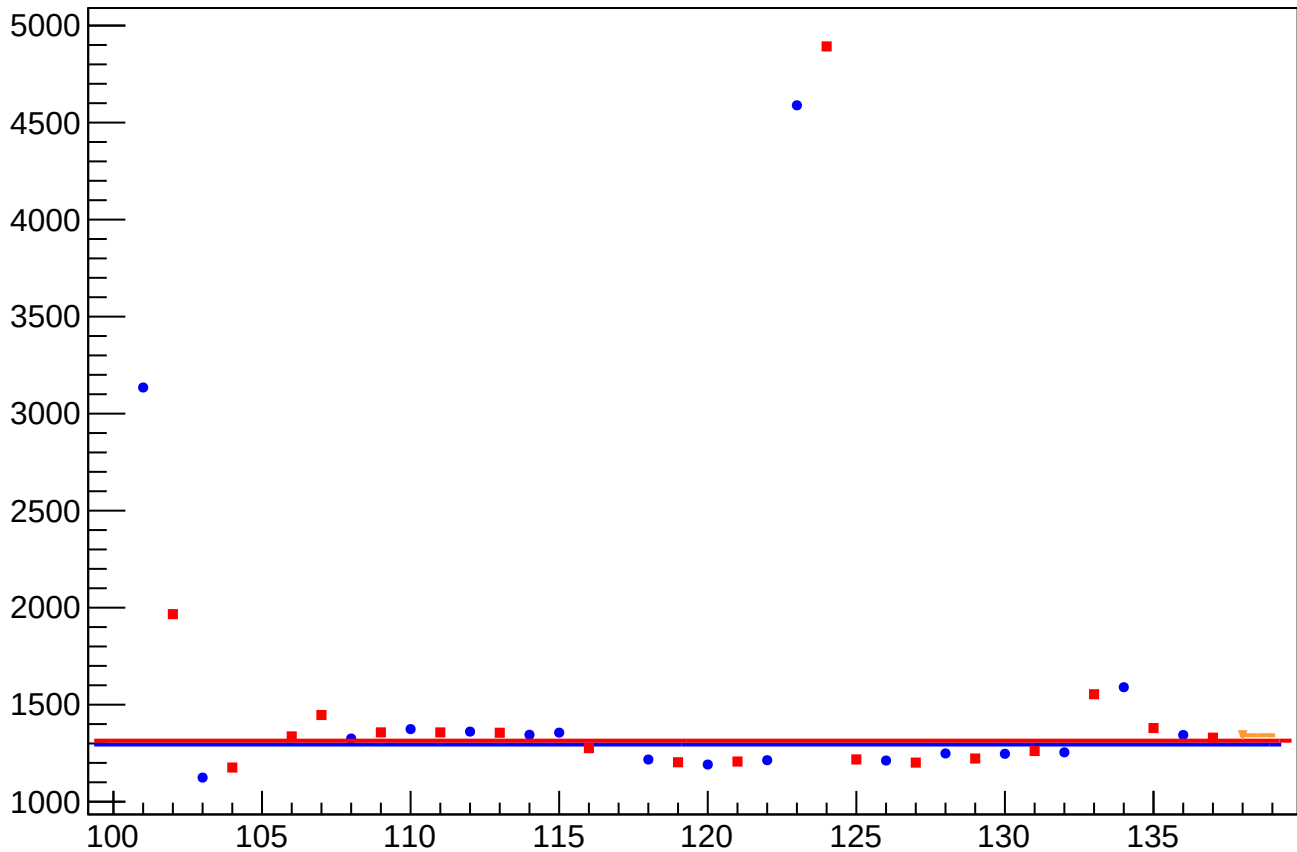
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 546.172+/-487.435  $\chi^2/\text{NDF}$ : 18.4/17

All: 542.130+/-351.941  $\chi^2/\text{NDF}$ : 35.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atl\_dd\_atr\_dd\_dd\_rms vs Slug



Right In: 1294.729+/-0.363  $\chi^2/\text{NDF}$ : 507803.9/16

Left Out: 1342.561+/-1.109  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1314.588+/-0.360  $\chi^2/\text{NDF}$ : 333838.6/17

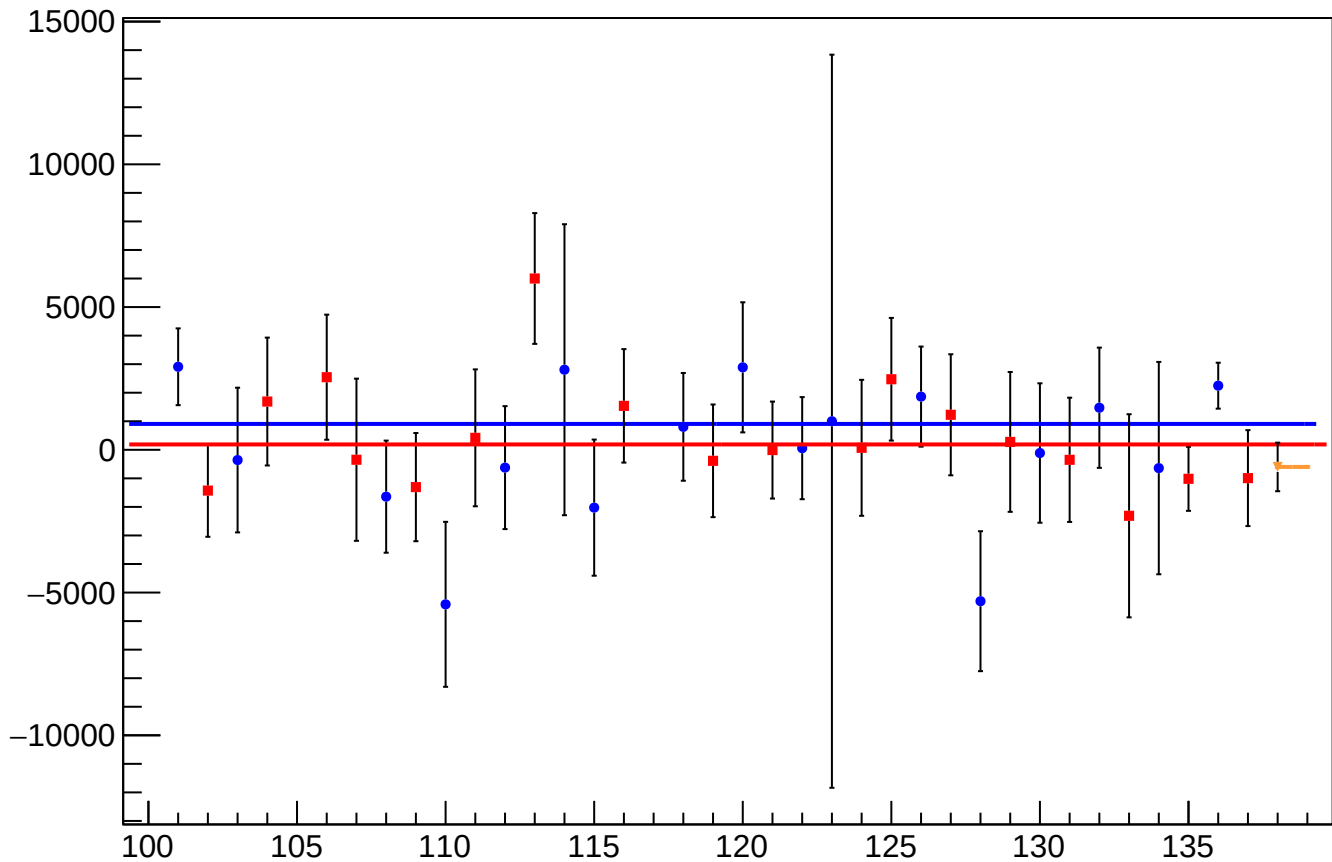
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1299.350+/-0.345  $\chi^2/\text{NDF}$ : 509484.6/17

All: 1306.644+/-0.249  $\chi^2/\text{NDF}$ : 844258.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_atl\_dd\_atr\_dd\_dd\_correction\_mean vs Slug



Right In: 906.688 $\pm$ 455.840  $\chi^2$ /NDF: 22.0/16

Left Out: -599.670 $\pm$ 850.401  $\chi^2$ /NDF: 0.0/0

Right Out: 188.170 $\pm$ 464.537  $\chi^2$ /NDF: 13.8/17

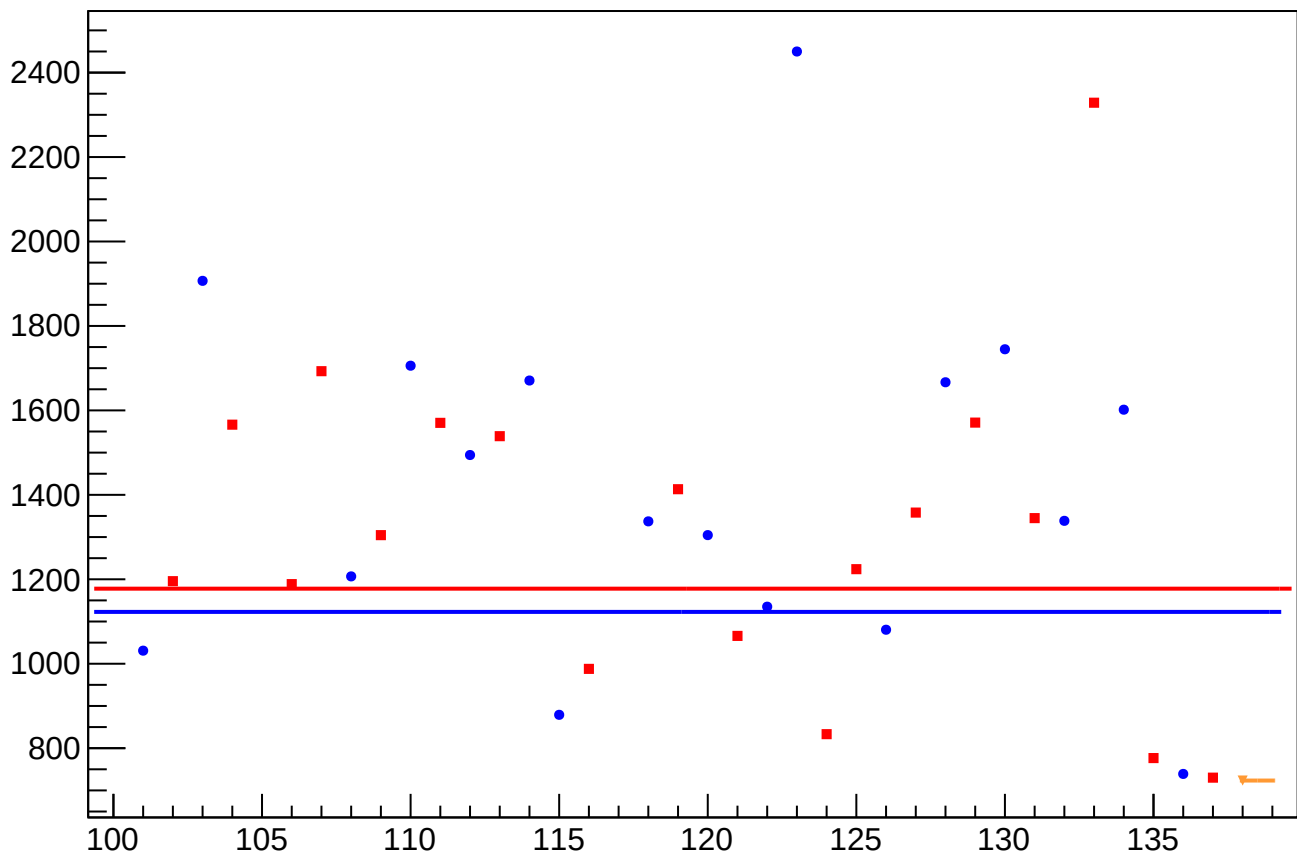
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 570.474 $\pm$ 401.761  $\chi^2$ /NDF: 24.4/17

All: 406.881 $\pm$ 303.877  $\chi^2$ /NDF: 38.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_atr\_dd\_dd\_correction\_rms vs Slug



Right In: 1122.773+/-0.322  $\chi^2/\text{NDF}$ : 1187996.4/16

Left Out: 723.368+/-0.601  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1177.797+/-0.328  $\chi^2/\text{NDF}$ : 1021710.1/17

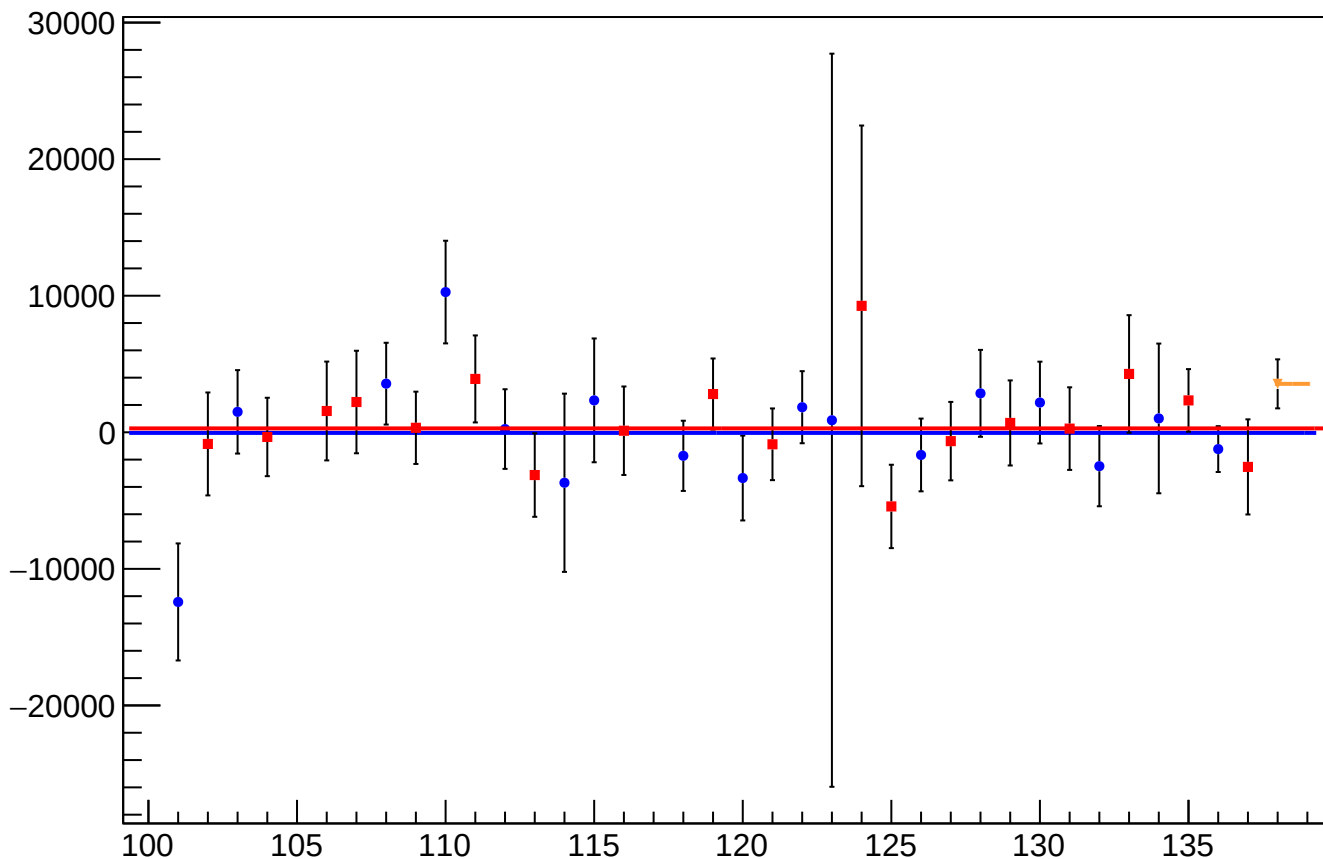
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1033.627+/-0.284  $\chi^2/\text{NDF}$ : 1530701.7/17

All: 1095.320+/-0.215  $\chi^2/\text{NDF}$ : 2662617.0/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_atl\_dd\_atr\_dd\_dd\_mean vs Slug



Right In:  $-44.367 \pm 747.588$   $\chi^2/\text{NDF}$ : 23.2/16

Left Out:  $3546.604 \pm 1794.807$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $285.373 \pm 735.391$   $\chi^2/\text{NDF}$ : 10.6/17

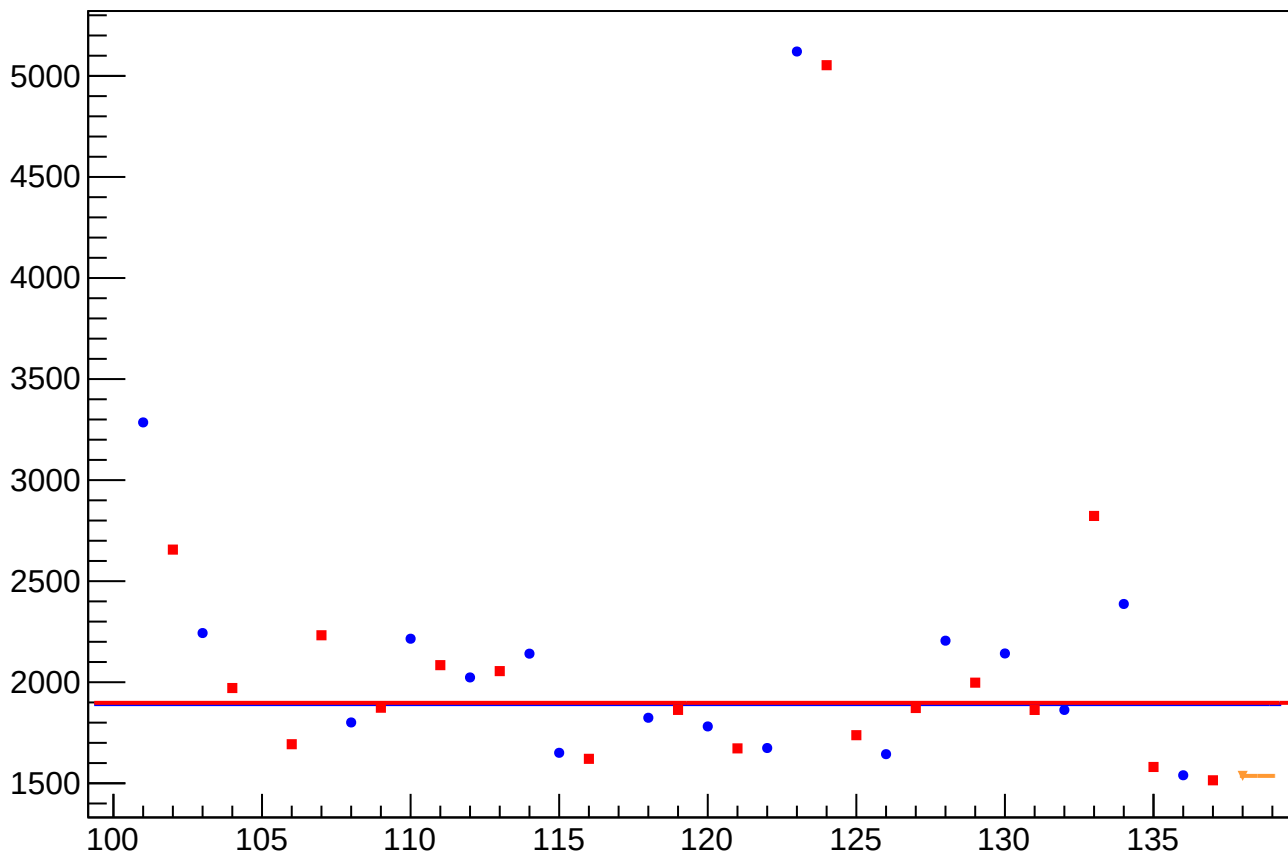
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $486.542 \pm 690.115$   $\chi^2/\text{NDF}$ : 26.6/17

All:  $392.340 \pm 503.230$   $\chi^2/\text{NDF}$ : 37.3/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_dd\_atr\_dd\_dd\_rms vs Slug



Right In: 1891.668 $\pm$ 0.529  $\chi^2$ /NDF: 469088.3/16

Left Out: 1536.560 $\pm$ 1.269  $\chi^2$ /NDF: 0.0/0

Right Out: 1898.010 $\pm$ 0.520  $\chi^2$ /NDF: 423694.9/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

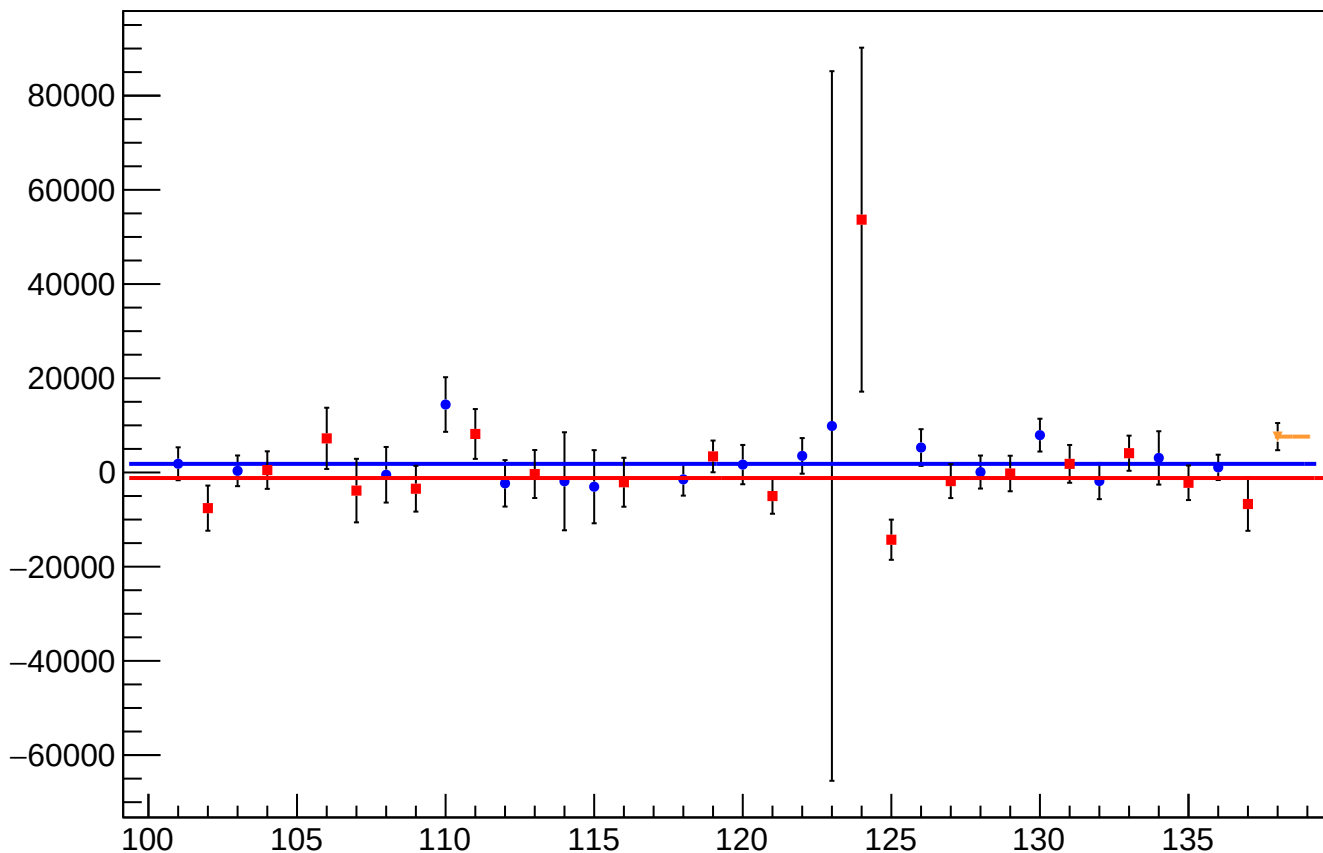
+ sign 1839.167 $\pm$ 0.488  $\chi^2$ /NDF: 535804.8/17

All: 1866.722 $\pm$ 0.356  $\chi^2$ /NDF: 966308.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_atl1\_mean vs Slug



Right In: 1825.042 $\pm$ 1010.167  $\chi^2$ /NDF: 12.6/16

Left Out: 7610.246 $\pm$ 2881.315  $\chi^2$ /NDF: 0.0/0

Right Out: -1182.804 $\pm$ 1049.924  $\chi^2$ /NDF: 25.5/17

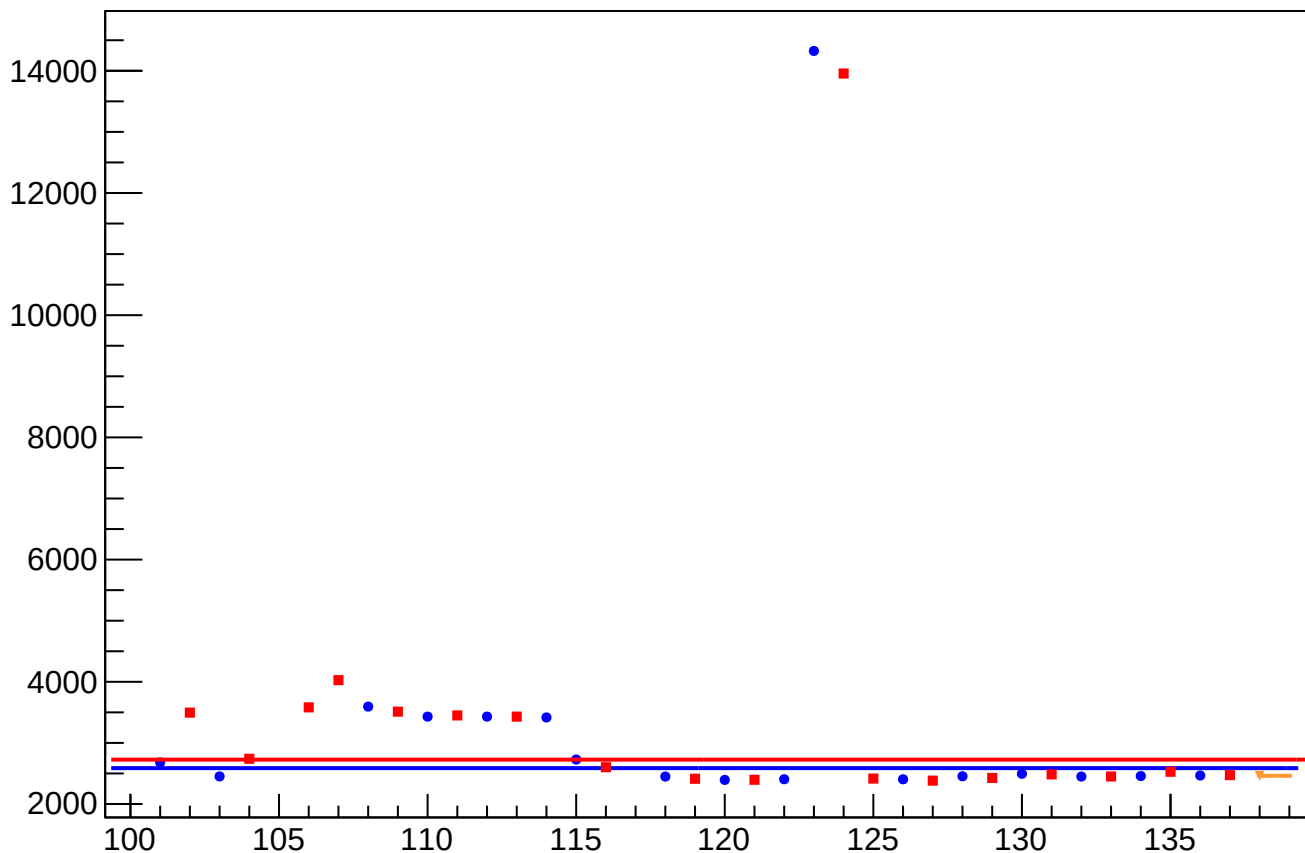
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 2458.295 $\pm$ 953.279  $\chi^2$ /NDF: 16.1/17

All: 813.005 $\pm$ 705.770  $\chi^2$ /NDF: 48.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl1\_rms vs Slug



Right In: 2586.978+/-0.714  $\chi^2/\text{NDF}$ : 254112.7/16

Left Out: 2462.089+/-2.037  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2726.457+/-0.742  $\chi^2/\text{NDF}$ : 580850.1/17

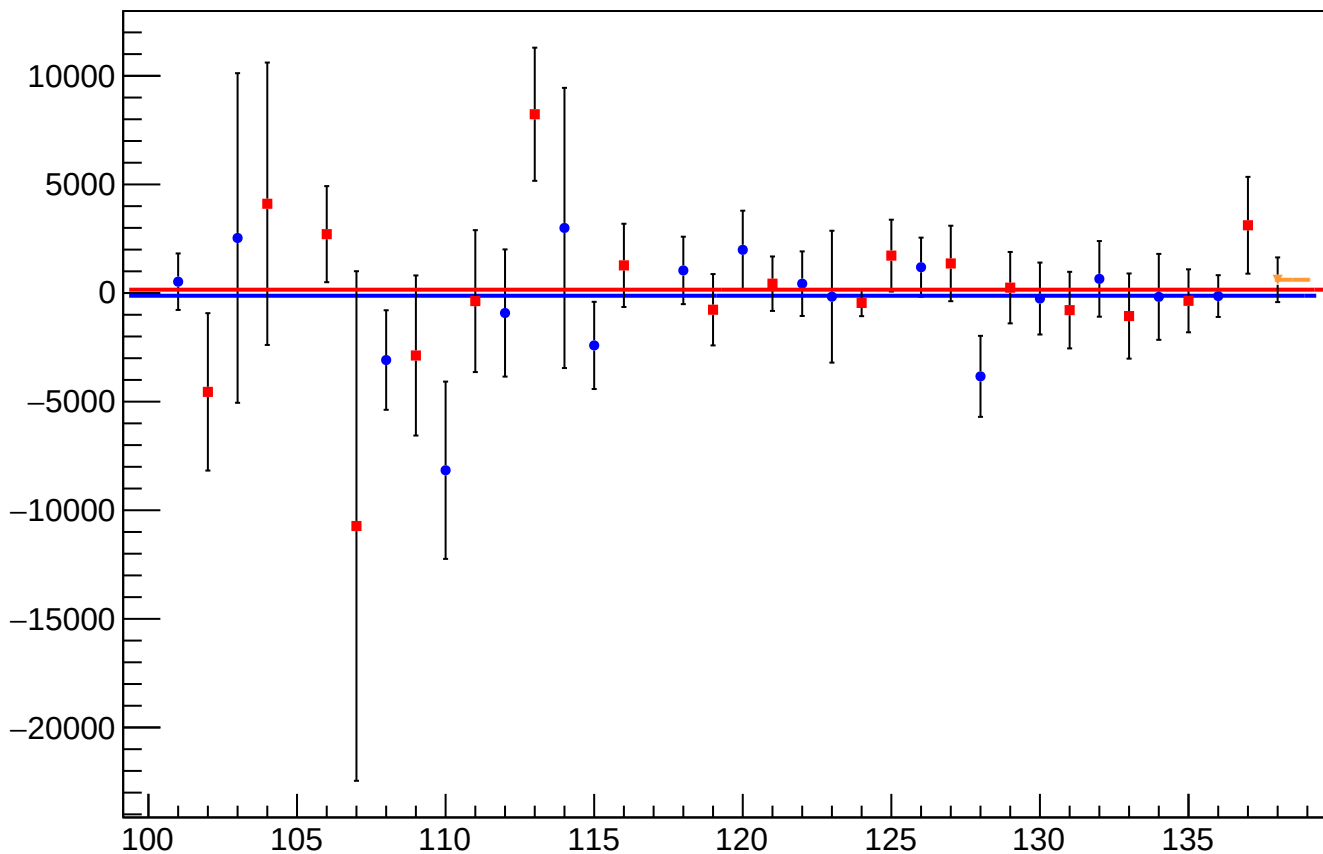
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2573.308+/-0.674  $\chi^2/\text{NDF}$ : 257458.9/17

All: 2642.511+/-0.499  $\chi^2/\text{NDF}$ : 861634.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl1\_correction\_mean vs Slug



Right In:  $-124.472 \pm 430.760$   $\chi^2/\text{NDF}$ : 14.7/16

Left Out:  $611.700 \pm 1028.739$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $154.579 \pm 380.922$   $\chi^2/\text{NDF}$ : 17.6/17

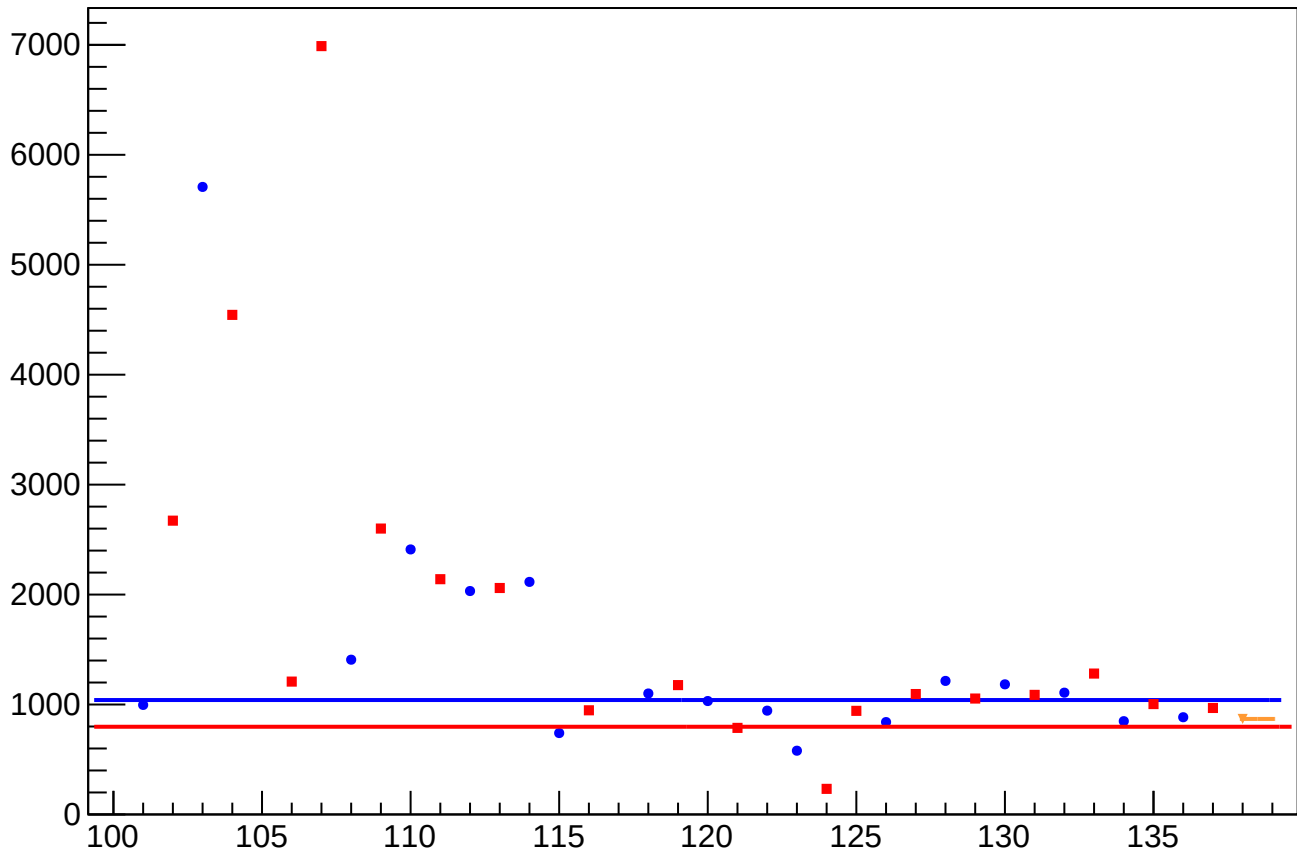
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-14.652 \pm 397.334$   $\chi^2/\text{NDF}$ : 15.1/17

All:  $73.530 \pm 274.972$   $\chi^2/\text{NDF}$ : 32.8/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl1\_correction\_rms vs Slug



Right In: 1040.760+/-0.305  $\chi^2/\text{NDF}$ : 1573034.8/16

Left Out: 868.871+/-0.727  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 797.732+/-0.269  $\chi^2/\text{NDF}$ : 5174332.0/17

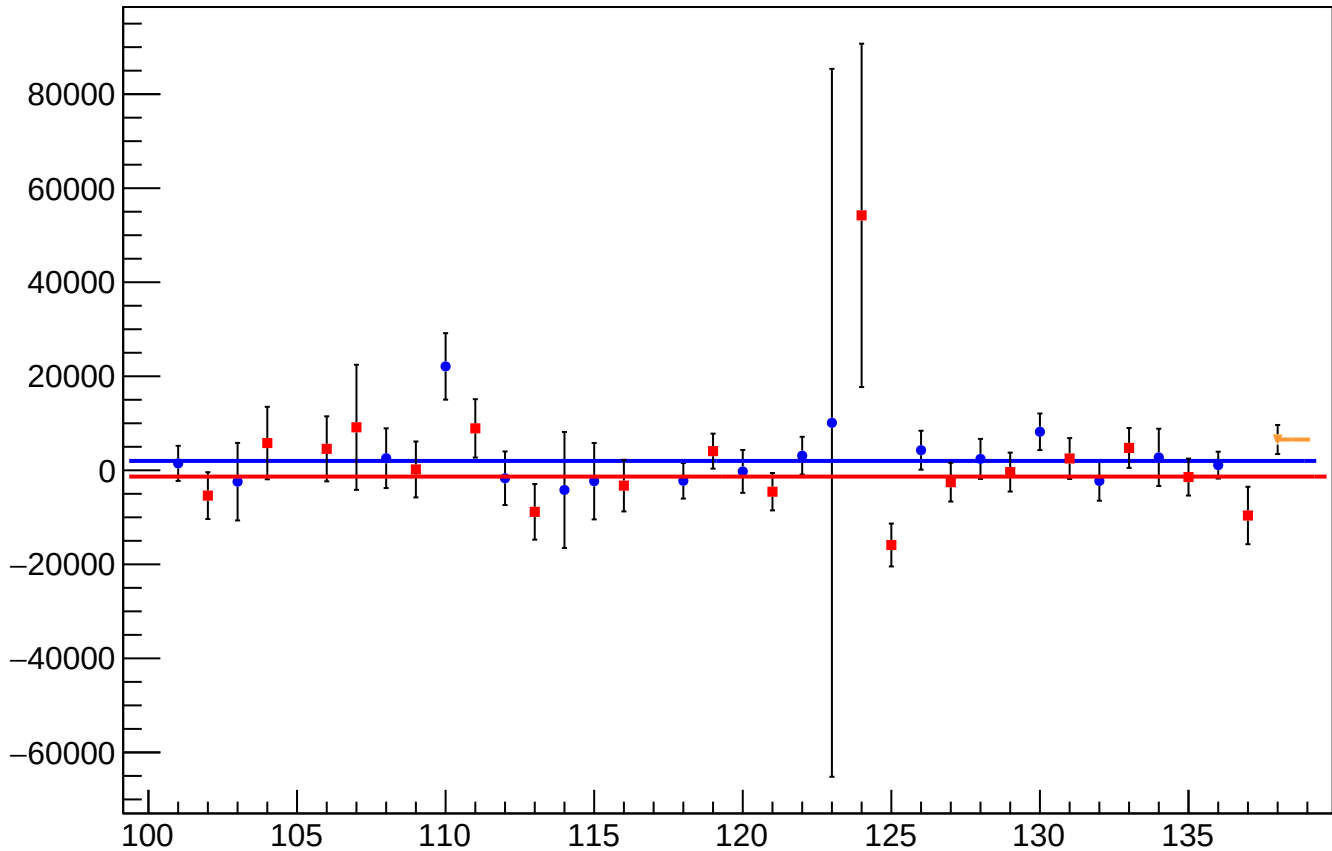
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1015.118+/-0.281  $\chi^2/\text{NDF}$ : 1620541.6/17

All: 901.843+/-0.194  $\chi^2/\text{NDF}$ : 7106825.6/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl1\_mean vs Slug



Right In: 1996.263+/-1155.054  $\chi^2/\text{NDF}$ : 14.9/16

Left Out: 6546.310+/-3093.744  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1336.627+/-1193.730  $\chi^2/\text{NDF}$ : 27.5/17

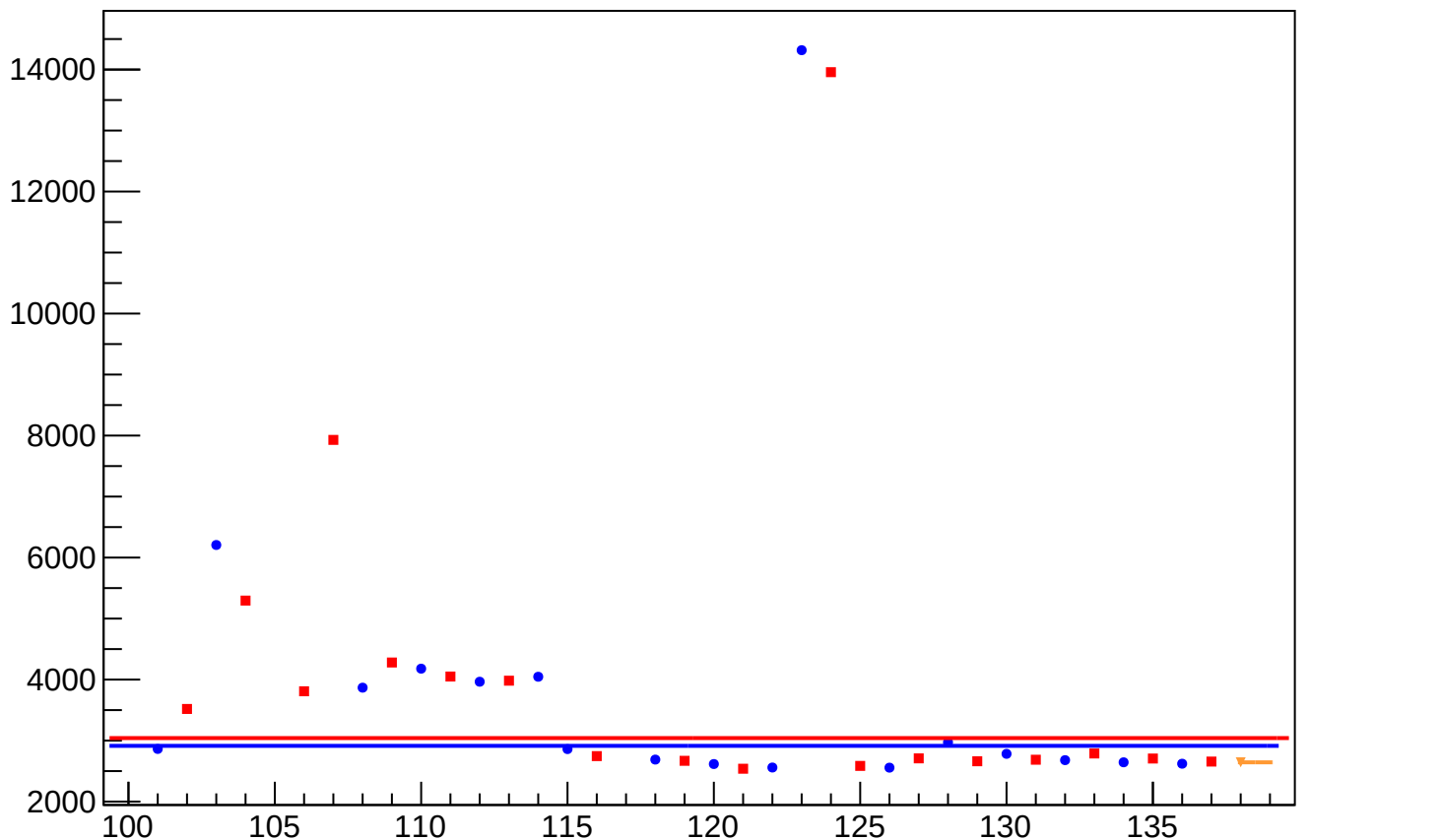
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2552.909+/-1082.096  $\chi^2/\text{NDF}$ : 16.8/17

All: 798.472+/-801.726  $\chi^2/\text{NDF}$ : 50.1/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl1\_rms vs Slug



Right In: 2913.875+/-0.817  $\chi^2/\text{NDF}$ : 638984.6/16

Left Out: 2643.702+/-2.188  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3041.227+/-0.844  $\chi^2/\text{NDF}$ : 1003583.4/17

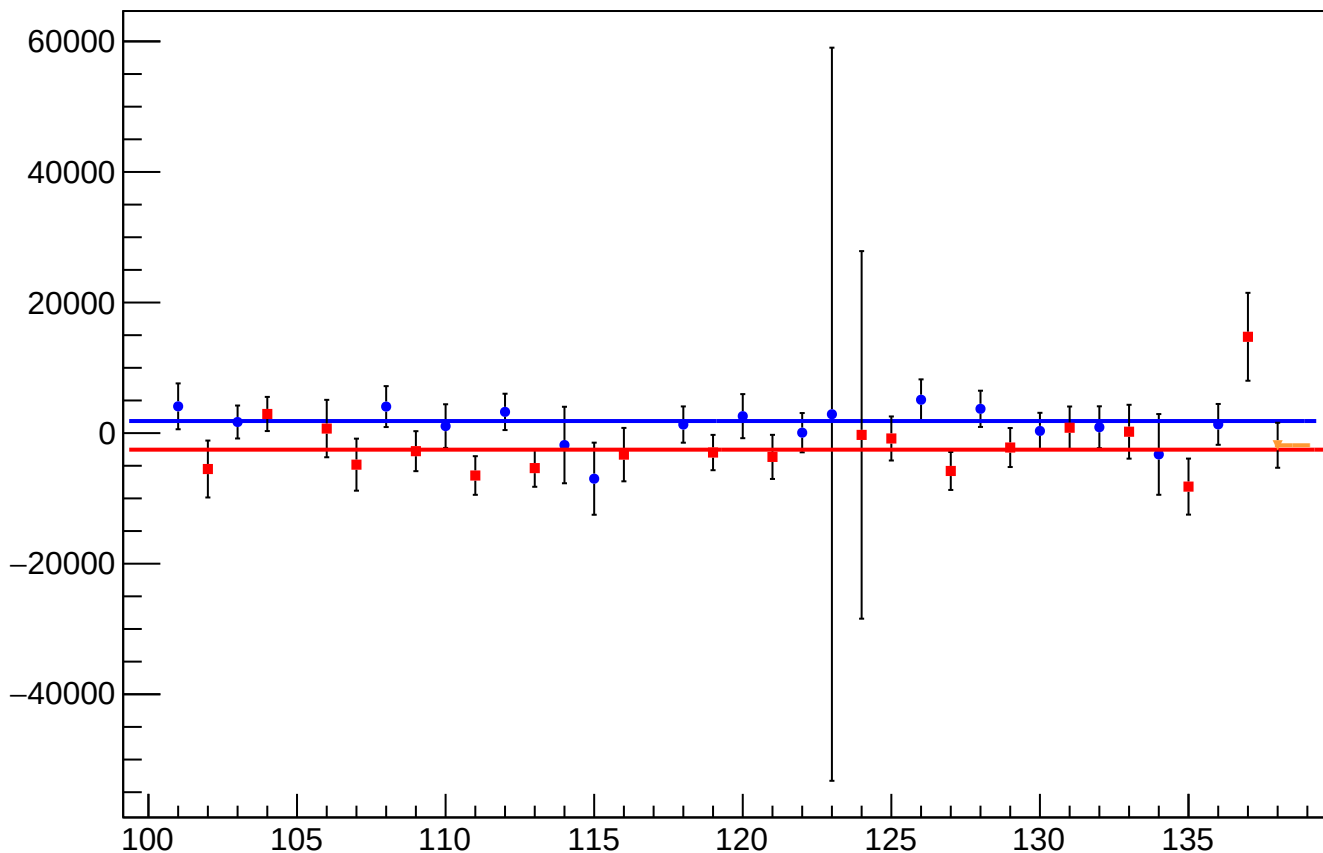
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2880.823+/-0.765  $\chi^2/\text{NDF}$ : 652371.3/17

All: 2953.176+/-0.567  $\chi^2/\text{NDF}$ : 1675777.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atl2\_mean vs Slug



Right In:  $1850.093 \pm 806.760$   $\chi^2/\text{NDF}$ : 7.3/16

Left Out:  $-1862.194 \pm 3444.897$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2535.163 \pm 819.322$   $\chi^2/\text{NDF}$ : 20.0/17

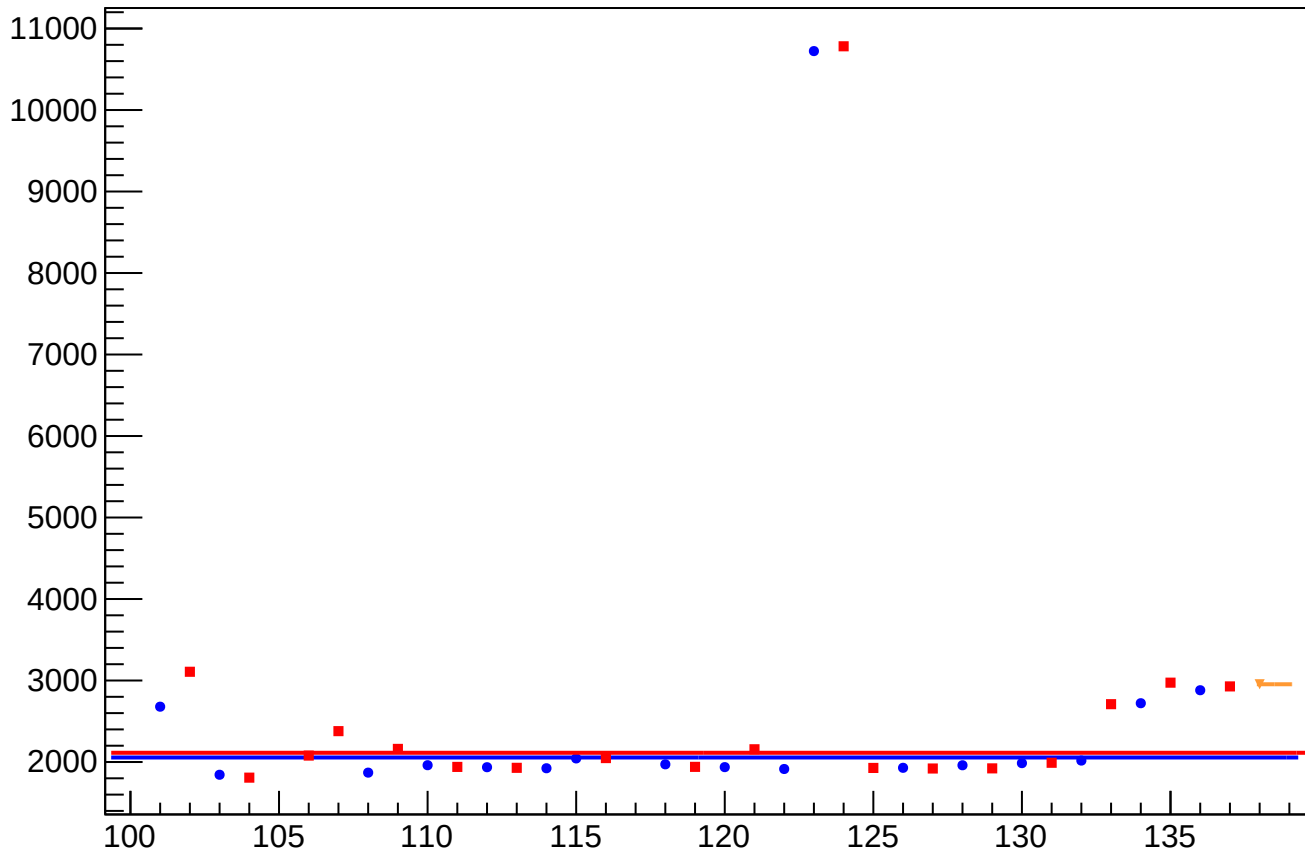
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $1657.079 \pm 785.507$   $\chi^2/\text{NDF}$ : 8.4/17

All:  $-350.746 \pm 567.015$   $\chi^2/\text{NDF}$ : 42.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atl2\_rms vs Slug



Right In: 2055.447+/-0.570  $\chi^2/\text{NDF}$ : 316383.7/16

Left Out: 2954.049+/-2.436  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2113.304+/-0.578  $\chi^2/\text{NDF}$ : 532006.4/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

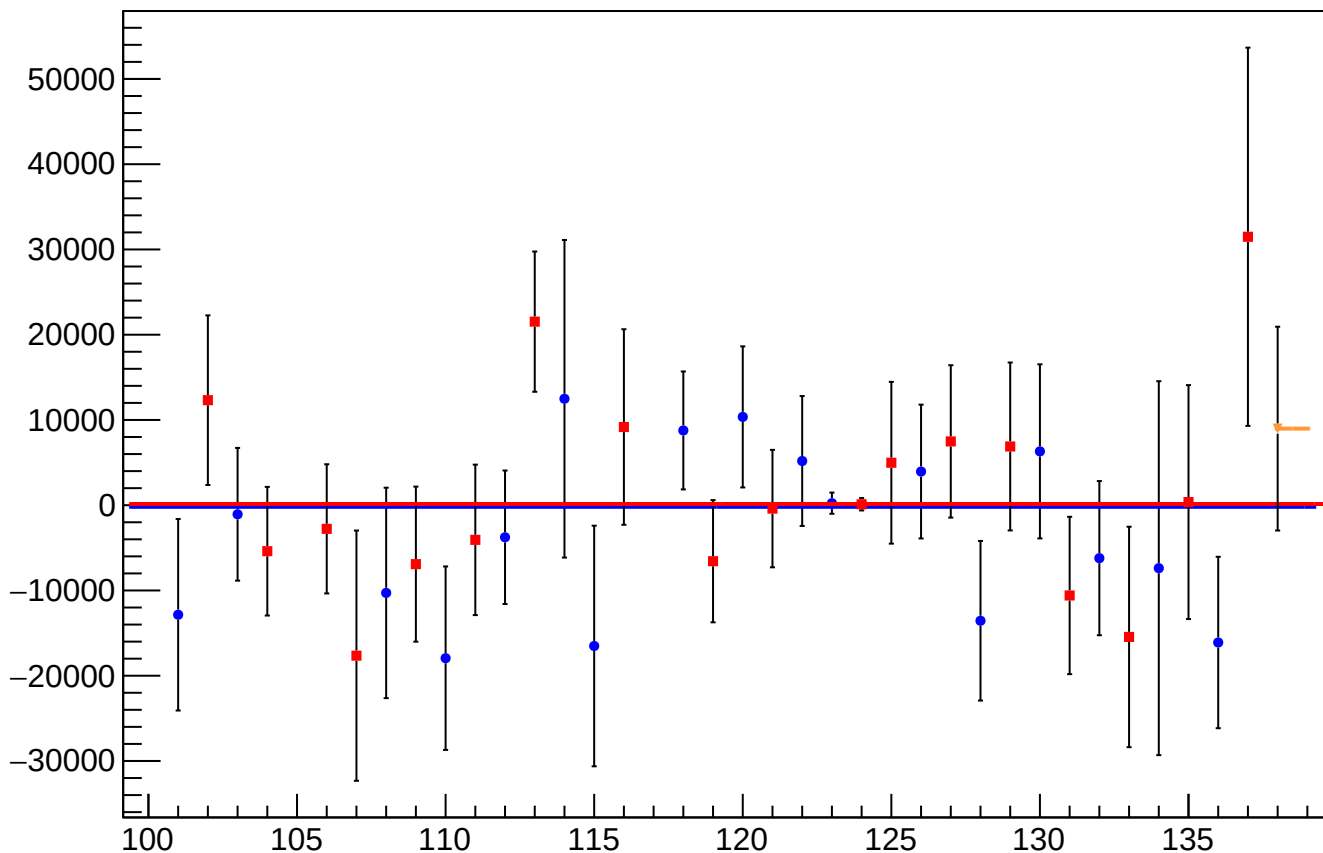
+ sign 2102.168+/-0.555  $\chi^2/\text{NDF}$ : 445393.8/17

All: 2107.510+/-0.401  $\chi^2/\text{NDF}$ : 977593.0/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_atl2\_correction\_mean vs Slug



Right In:  $-185.246 \pm 1100.780$   $\chi^2/\text{NDF}$ : 16.4/16

Left Out:  $8984.620 \pm 11951.145$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $141.935 \pm 690.979$   $\chi^2/\text{NDF}$ : 19.0/17

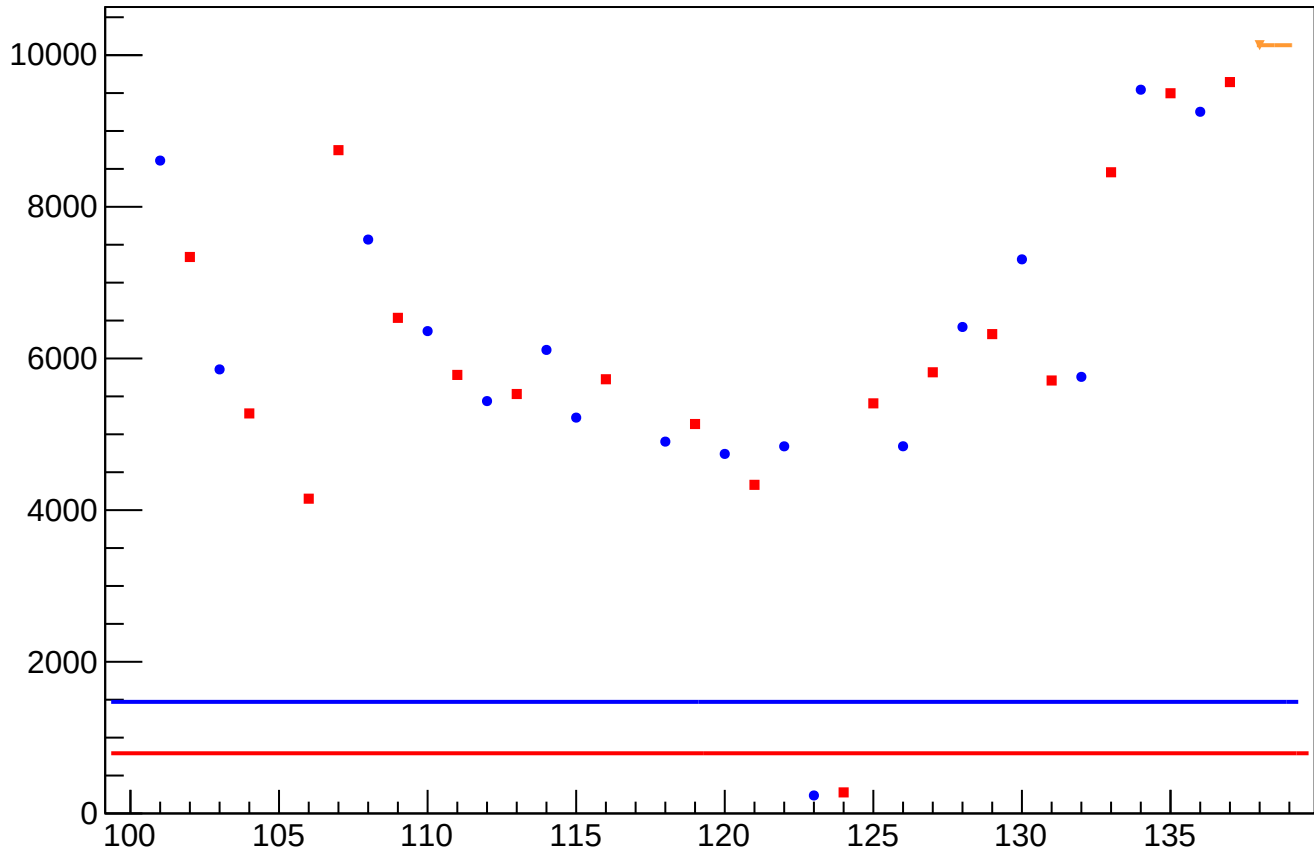
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-108.106 \pm 1096.140$   $\chi^2/\text{NDF}$ : 17.0/17

All:  $70.830 \pm 584.533$   $\chi^2/\text{NDF}$ : 36.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl2\_correction\_rms vs Slug



Right In: 1471.609+/-0.778  $\chi^2/\text{NDF}$ : 9788255.4/16

Left Out: 10131.233+/-8.451  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 793.659+/-0.489  $\chi^2/\text{NDF}$ : 11422584.5/17

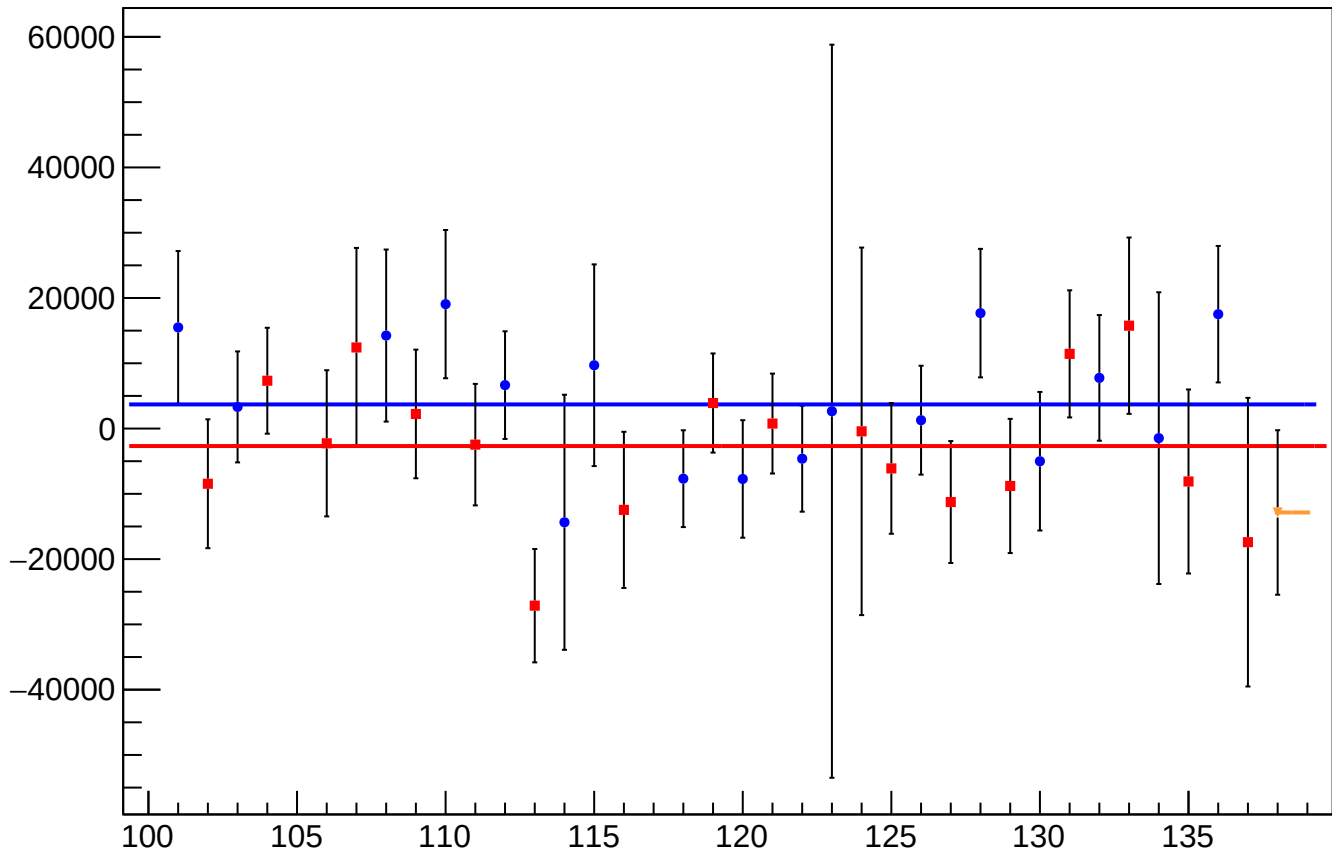
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1544.456+/-0.775  $\chi^2/\text{NDF}$ : 10829469.8/17

All: 1007.164+/-0.413  $\chi^2/\text{NDF}$ : 22923529.9/3

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl2\_mean vs Slug



Right In: 3698.440+/-2517.949  $\chi^2/\text{NDF}$ : 14.4/16

Left Out: -12855.326+/-12601.227  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2679.483+/-2428.648  $\chi^2/\text{NDF}$ : 18.5/17

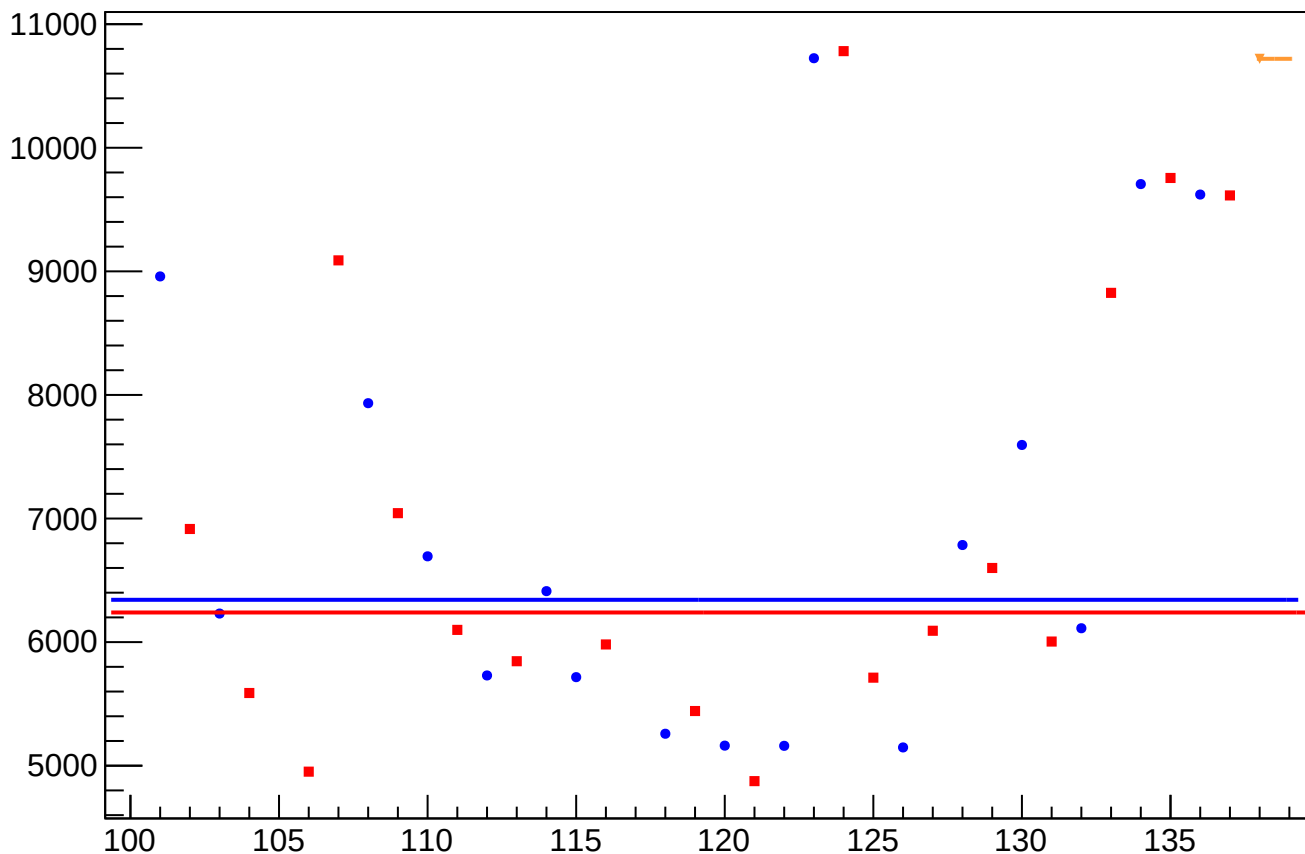
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3062.872+/-2469.139  $\chi^2/\text{NDF}$ : 16.1/17

All: 144.225+/-1731.451  $\chi^2/\text{NDF}$ : 37.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl2\_rms vs Slug



Right In: 6342.327+/-1.780  $\chi^2$ /NDF: 593668.9/16

Left Out: 10719.791+/-8.910  $\chi^2$ /NDF: 0.0/0

Right Out: 6239.726+/-1.717  $\chi^2$ /NDF: 529243.7/17

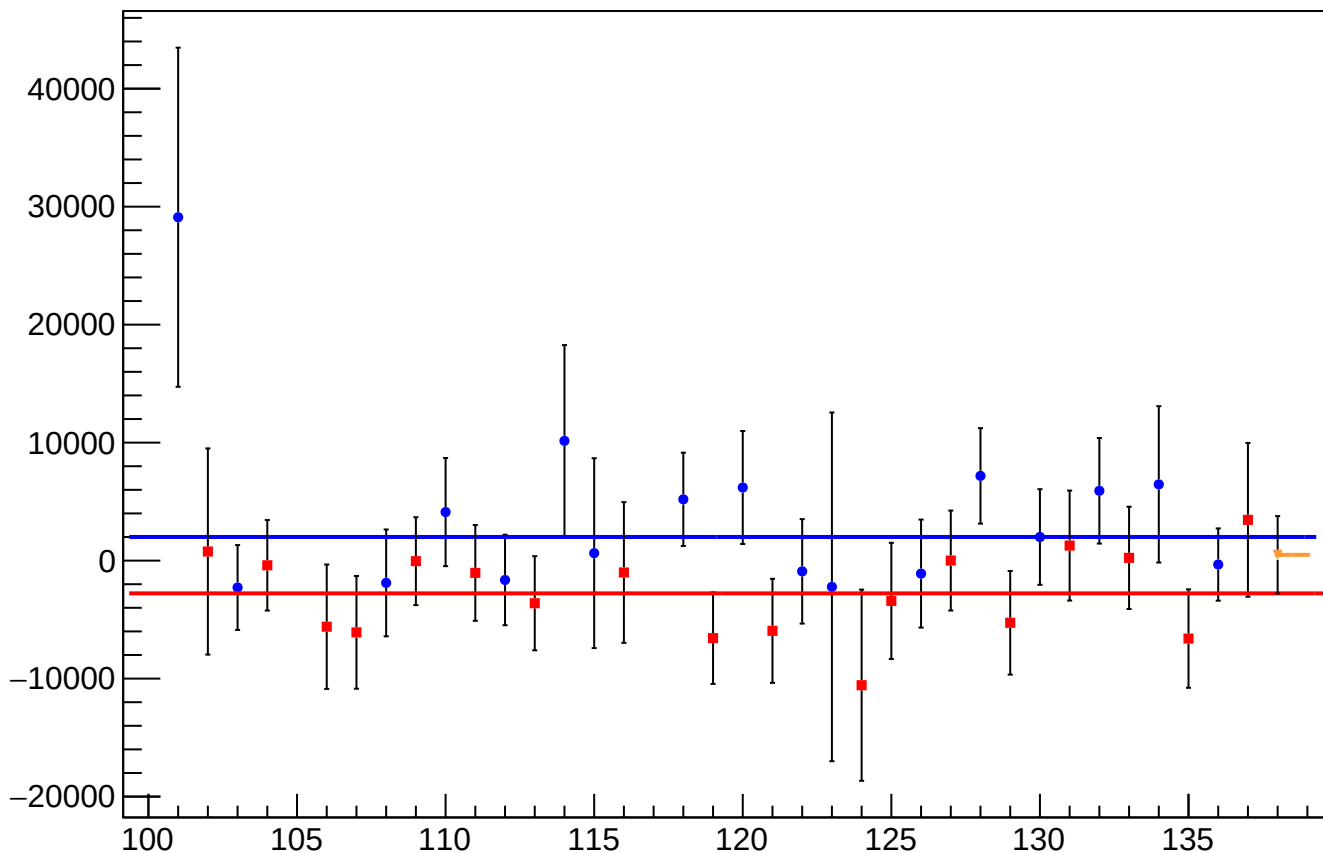
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 6510.394+/-1.746  $\chi^2$ /NDF: 825753.8/17

All: 6372.817+/-1.224  $\chi^2$ /NDF: 1367213.4/35

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atr1\_mean vs Slug



Right In: 2004.589+/-1125.432  $\chi^2/\text{NDF}$ : 13.7/16

Left Out: 490.400+/-3282.881  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2776.042+/-1086.812  $\chi^2/\text{NDF}$ : 8.3/17

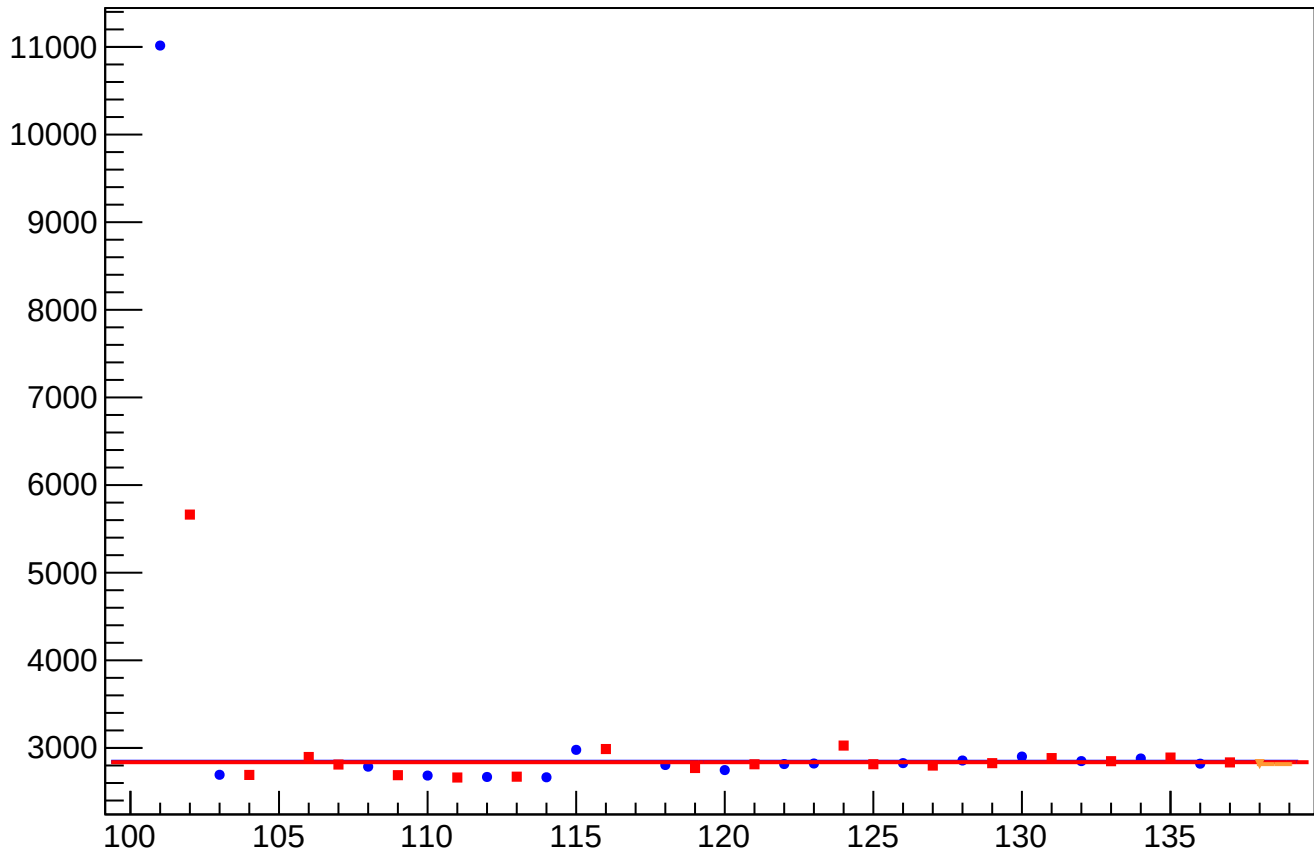
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1845.350+/-1064.610  $\chi^2/\text{NDF}$ : 13.9/17

All: -417.661+/-760.521  $\chi^2/\text{NDF}$ : 31.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atr1\_rms vs Slug



Right In: 2842.628+/-0.796  $\chi^2/\text{NDF}$ : 660305.1/16

Left Out: 2815.515+/-2.321  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2837.439+/-0.768  $\chi^2/\text{NDF}$ : 226421.9/17

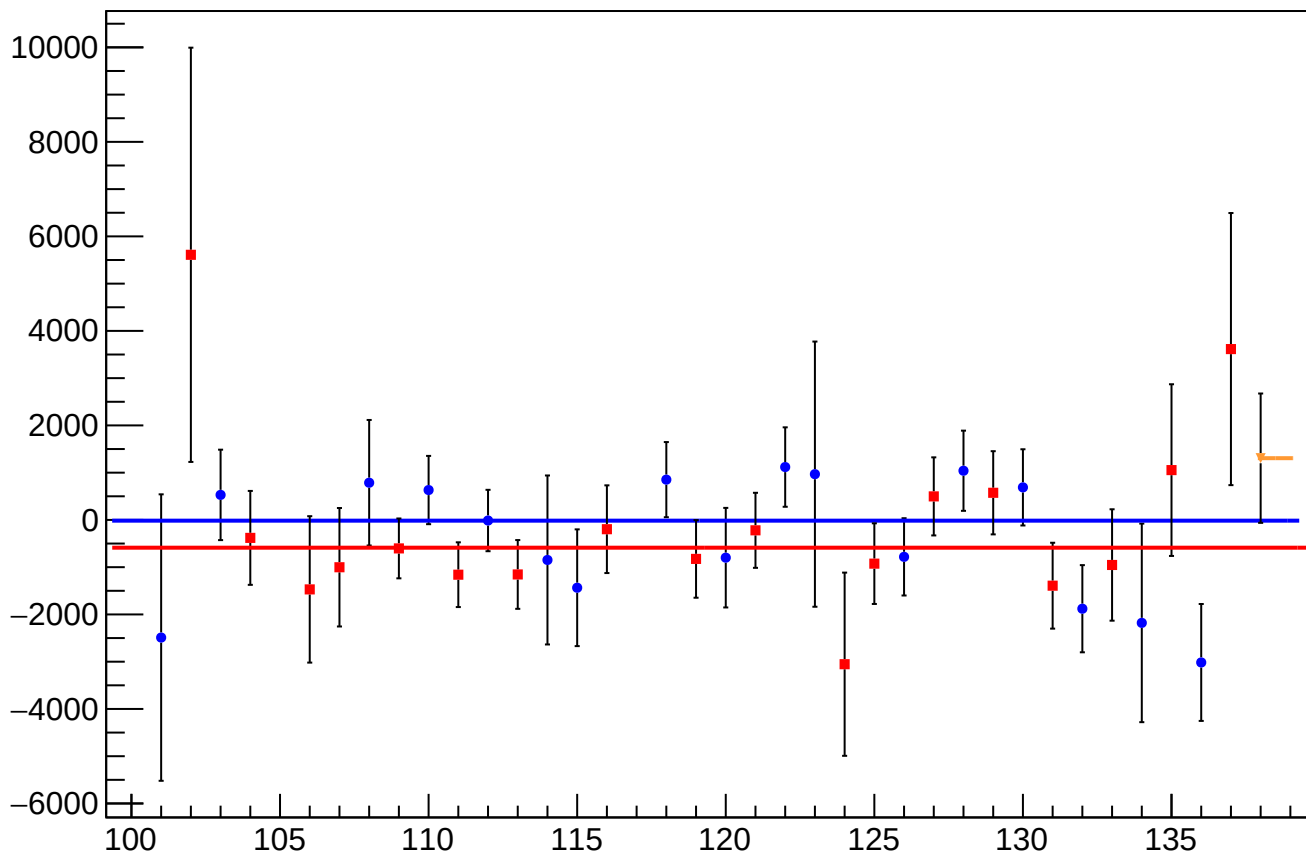
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2839.777+/-0.753  $\chi^2/\text{NDF}$ : 660427.2/17

All: 2838.632+/-0.538  $\chi^2/\text{NDF}$ : 886853.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr1\_correction\_mean vs Slug



Right In:  $-15.631 \pm 238.862$   $\chi^2/\text{NDF}$ : 21.6/16

Left Out:  $1306.535 \pm 1368.513$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-587.609 \pm 225.811$   $\chi^2/\text{NDF}$ : 13.3/17

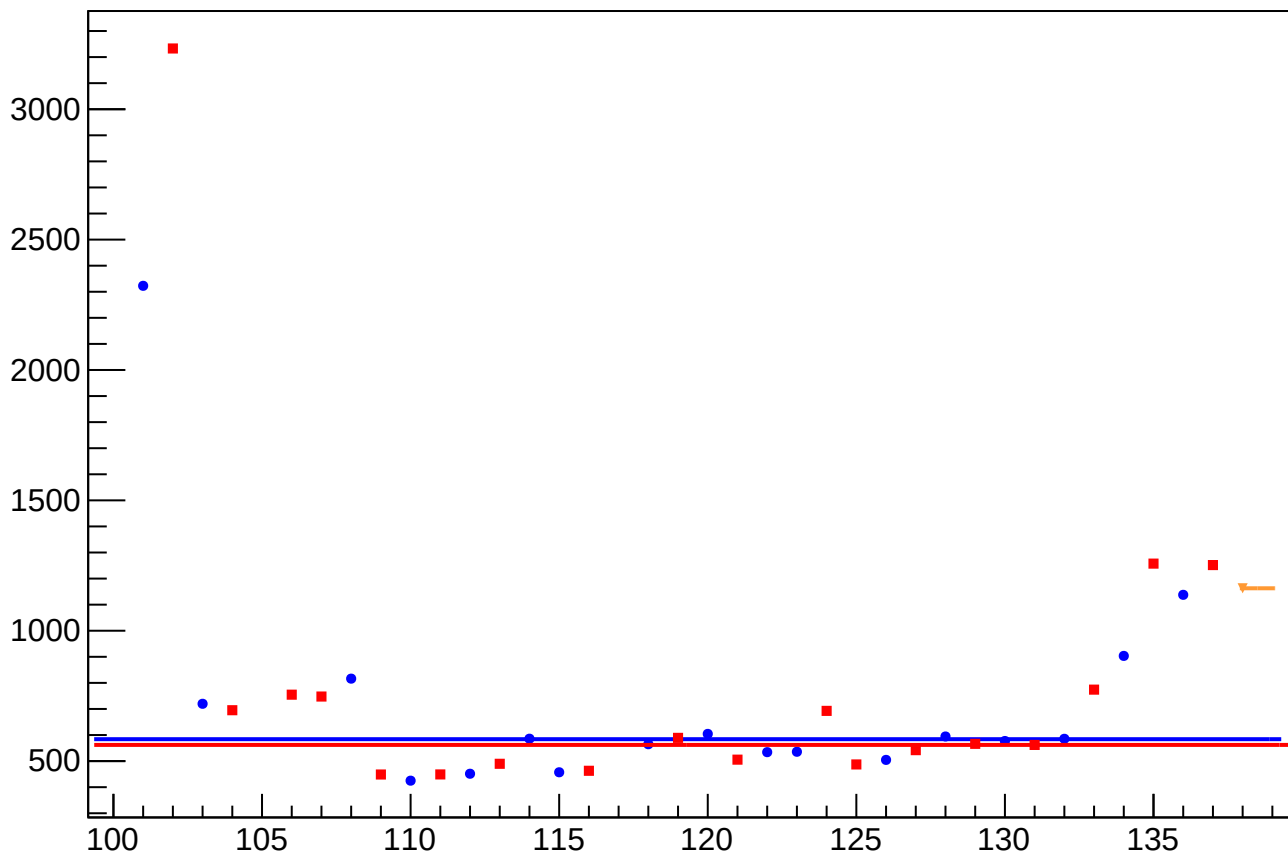
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $23.458 \pm 235.305$   $\chi^2/\text{NDF}$ : 22.5/17

All:  $-294.651 \pm 162.926$   $\chi^2/\text{NDF}$ : 39.3/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr1\_correction\_rms vs Slug



Right In: 584.055+/-0.169  $\chi^2/\text{NDF}$ : 1436613.4/16

Left Out: 1162.788+/-0.968  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 562.122+/-0.160  $\chi^2/\text{NDF}$ : 1525298.9/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

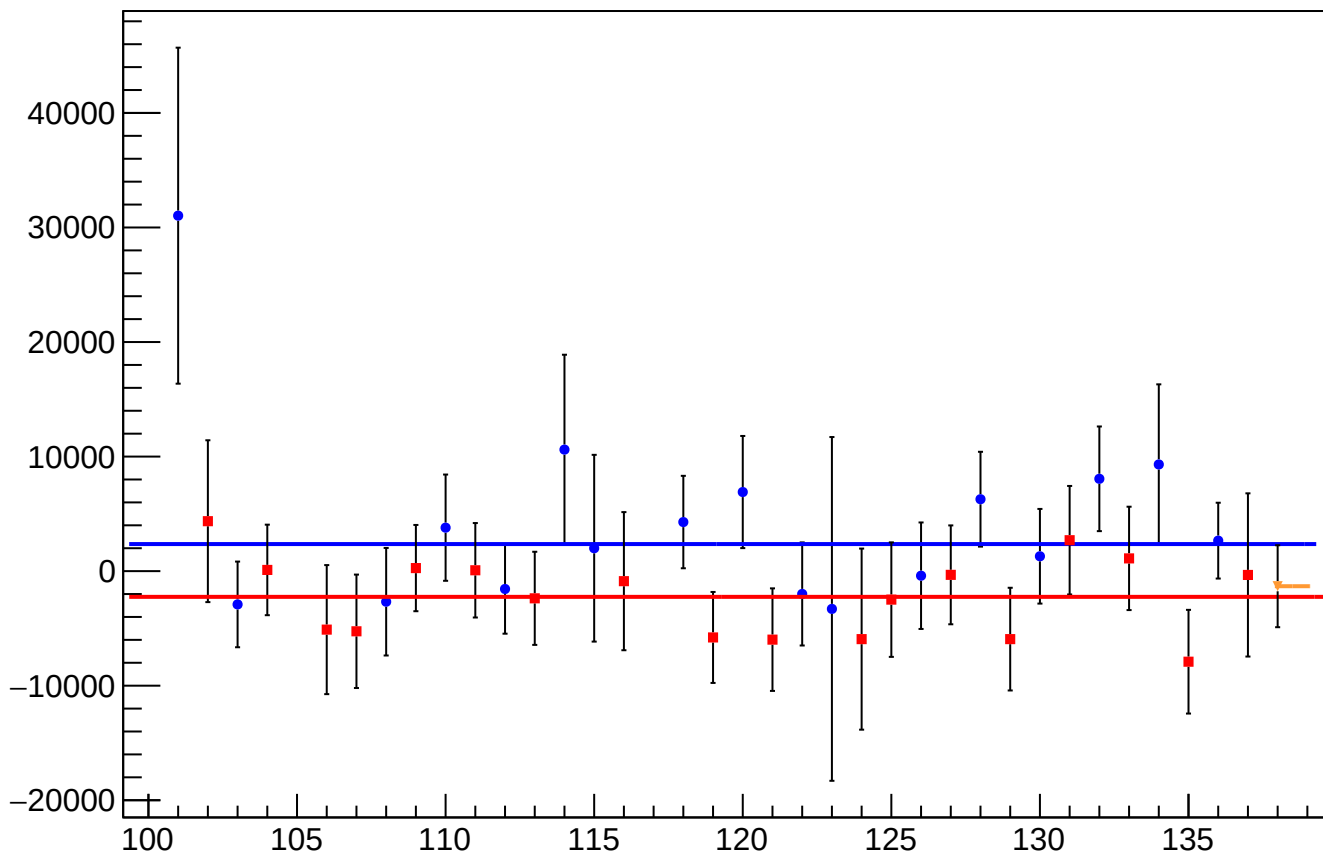
+ sign 601.165+/-0.166  $\chi^2/\text{NDF}$ : 1783714.1/17

All: 580.840+/-0.115  $\chi^2/\text{NDF}$ : 3337677.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_atr1\_mean vs Slug



Right In: 2362.798 $\pm$ 1159.943  $\chi^2$ /NDF: 15.1/16

Left Out: -1316.923 $\pm$ 3578.303  $\chi^2$ /NDF: 0.0/0

Right Out: -2245.410 $\pm$ 1111.935  $\chi^2$ /NDF: 8.5/17

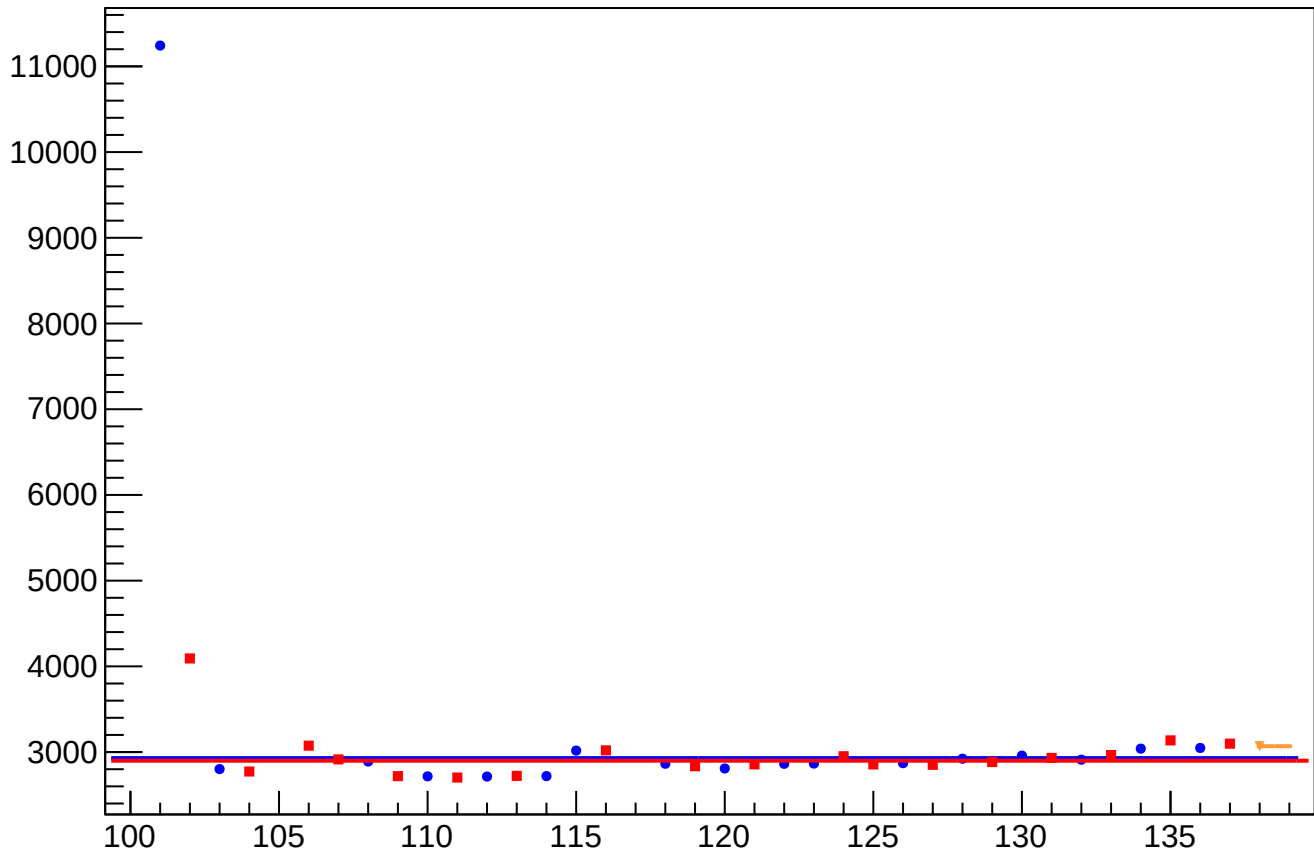
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 2012.901 $\pm$ 1103.418  $\chi^2$ /NDF: 16.0/17

All: -99.884 $\pm$ 783.228  $\chi^2$ /NDF: 32.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr1\_rms vs Slug



Right In: 2929.654+/-0.820  $\chi^2/\text{NDF}$ : 662629.0/16

Left Out: 3068.374+/-2.530  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2899.431+/-0.786  $\chi^2/\text{NDF}$ : 83543.1/17

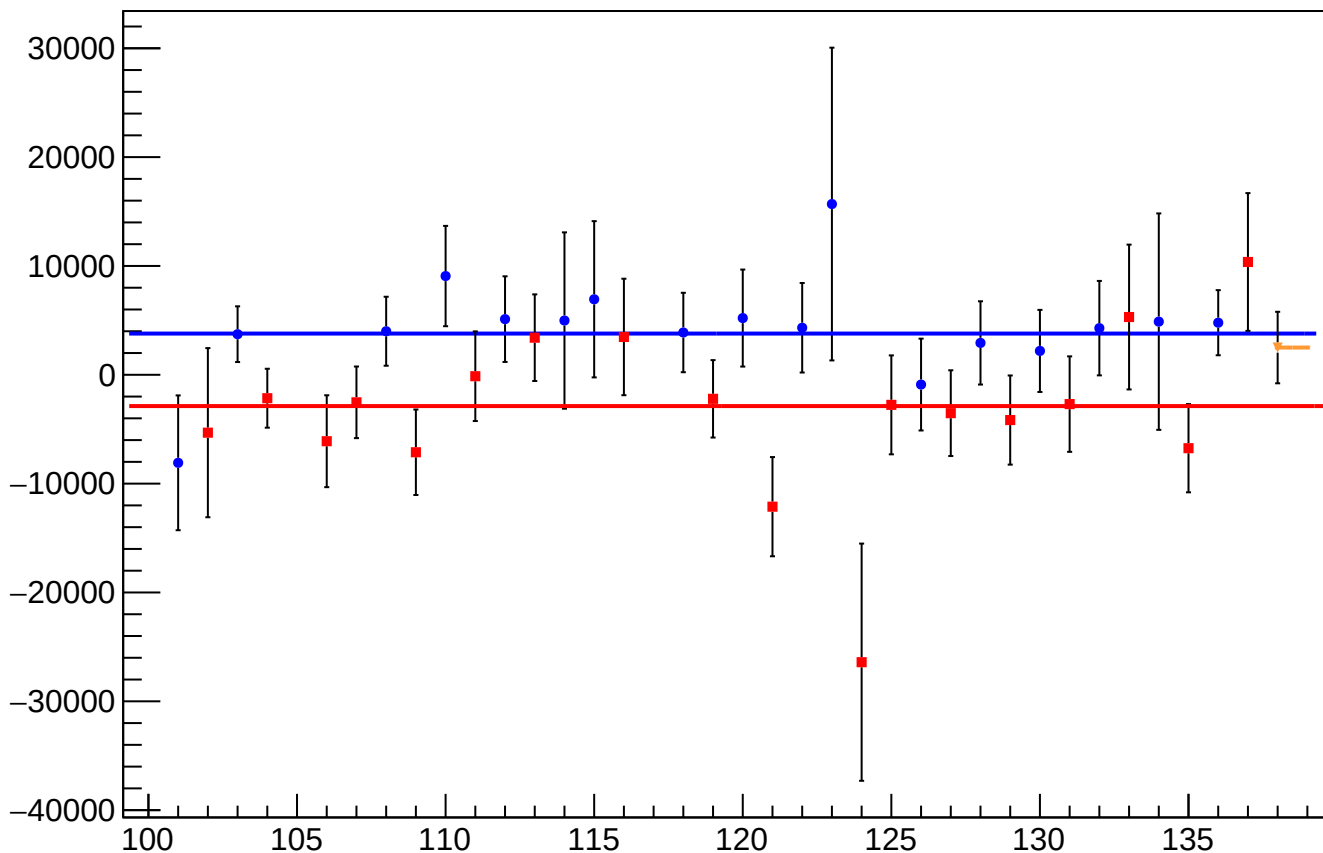
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2942.844+/-0.780  $\chi^2/\text{NDF}$ : 665349.0/17

All: 2921.304+/-0.554  $\chi^2/\text{NDF}$ : 750428.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atr2\_mean vs Slug



Right In: 3787.840+/-1008.120  $\chi^2/\text{NDF}$ : 7.7/16

Left Out: 2503.248+/-3285.686  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2874.691+/-1004.077  $\chi^2/\text{NDF}$ : 22.0/17

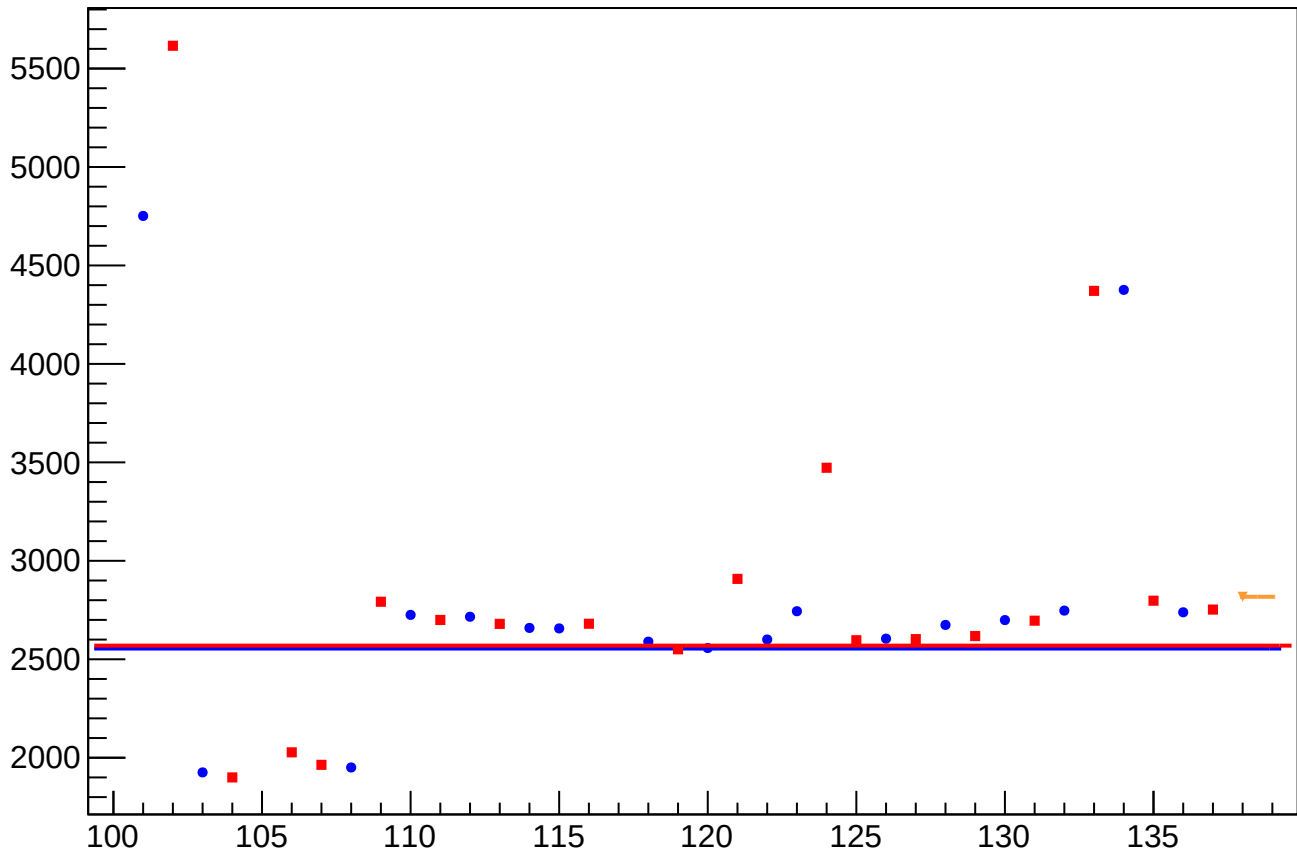
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3677.314+/-963.775  $\chi^2/\text{NDF}$ : 7.9/17

All: 535.441+/-695.303  $\chi^2/\text{NDF}$ : 52.1/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atr2\_rms vs Slug



Right In: 2554.537+/-0.713  $\chi^2/\text{NDF}$ : 536626.0/16

Left Out: 2817.404+/-2.323  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2569.256+/-0.710  $\chi^2/\text{NDF}$ : 723332.1/17

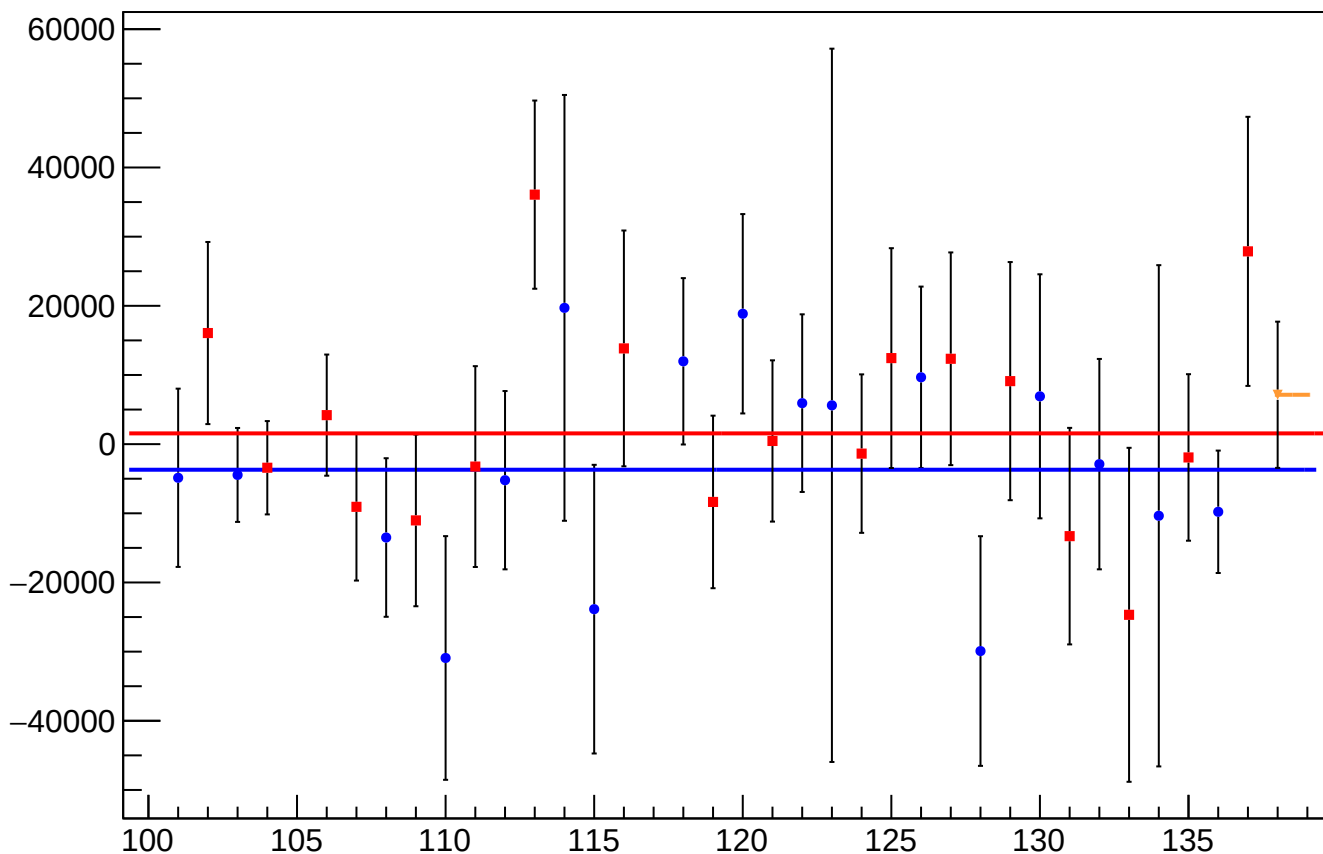
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2577.154+/-0.681  $\chi^2/\text{NDF}$ : 548325.8/17

All: 2573.365+/-0.492  $\chi^2/\text{NDF}$ : 1271722.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr2\_correction\_mean vs Slug



Right In: -3699.522+/-3217.843  $\chi^2$ /NDF: 13.8/16

Left Out: 7139.159+/-10571.330  $\chi^2$ /NDF: 0.0/0

Right Out: 1555.707+/-2911.769  $\chi^2$ /NDF: 16.8/17

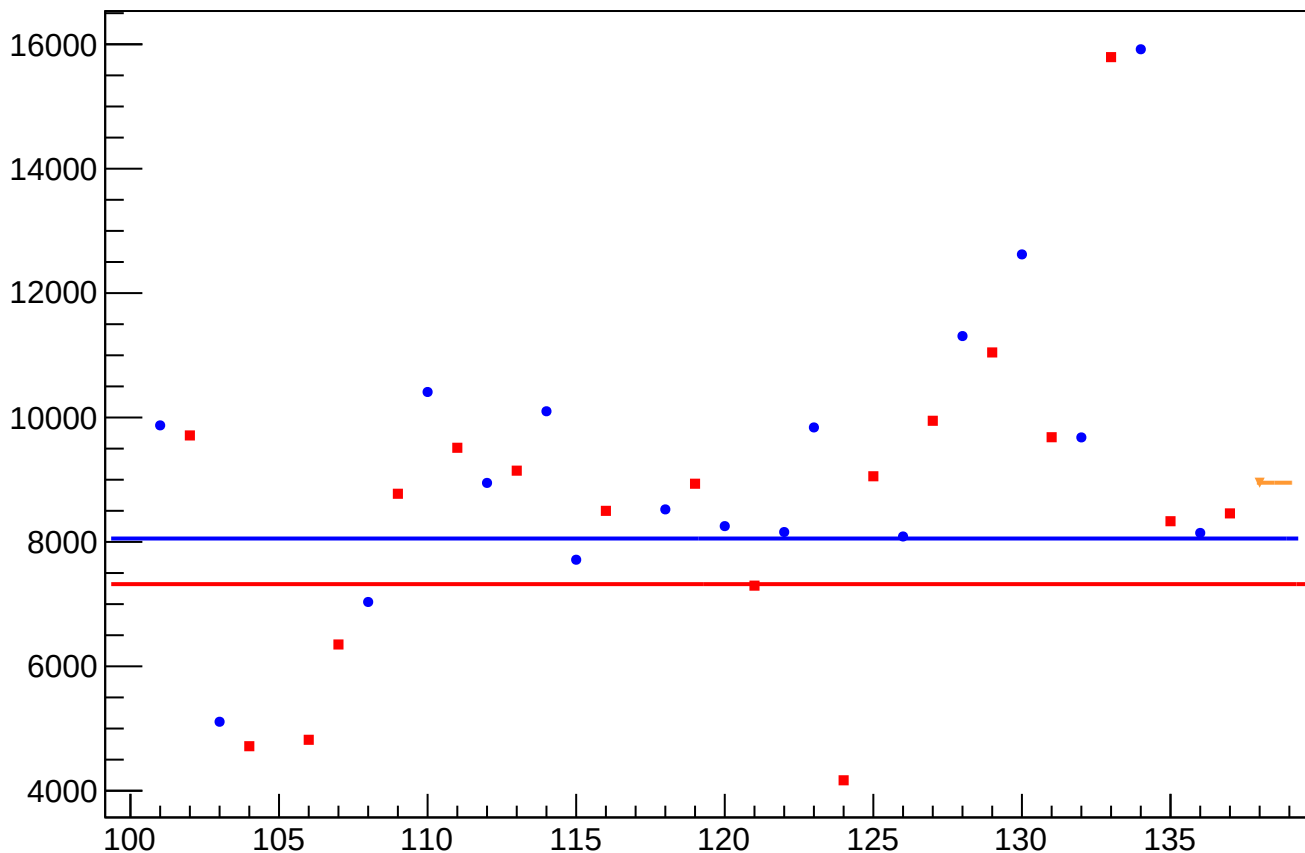
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign -2780.420+/-3078.388  $\chi^2$ /NDF: 14.8/17

All: -491.839+/-2115.384  $\chi^2$ /NDF: 32.6/35

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr2\_correction\_rms vs Slug



Right In: 8054.772+/-2.275  $\chi^2/\text{NDF}$ : 820763.4/16

Left Out: 8951.791+/-7.475  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7321.428+/-2.059  $\chi^2/\text{NDF}$ : 1335956.4/17

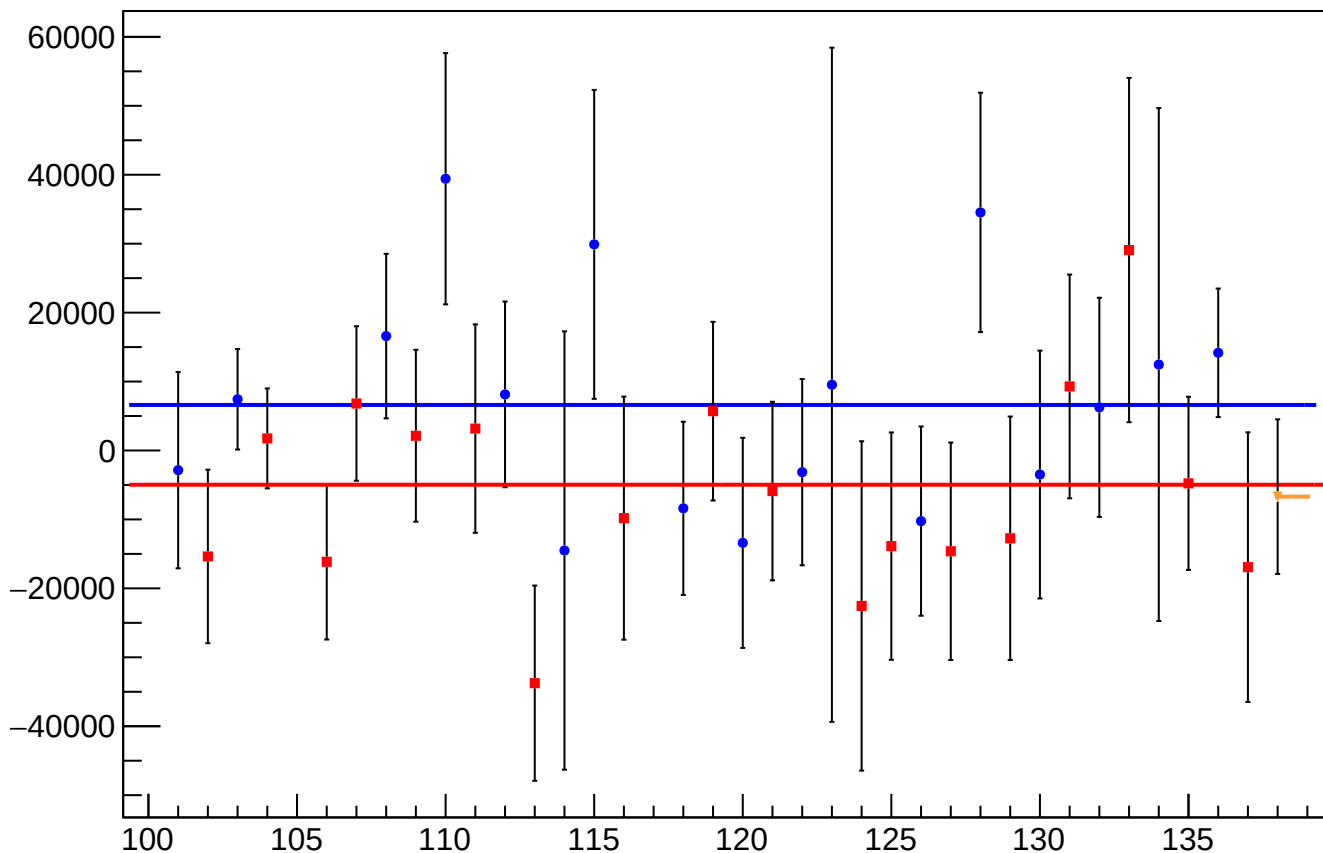
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 8130.838+/-2.177  $\chi^2/\text{NDF}$ : 833942.6/17

All: 7703.636+/-1.496  $\chi^2/\text{NDF}$ : 2242875.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr2\_mean vs Slug



Right In: 6607.332 $\pm$ 3395.867  $\chi^2$ /NDF: 14.7/16

Left Out: -6693.498 $\pm$ 11214.134  $\chi^2$ /NDF: 0.0/0

Right Out: -4967.799 $\pm$ 3176.866  $\chi^2$ /NDF: 13.5/17

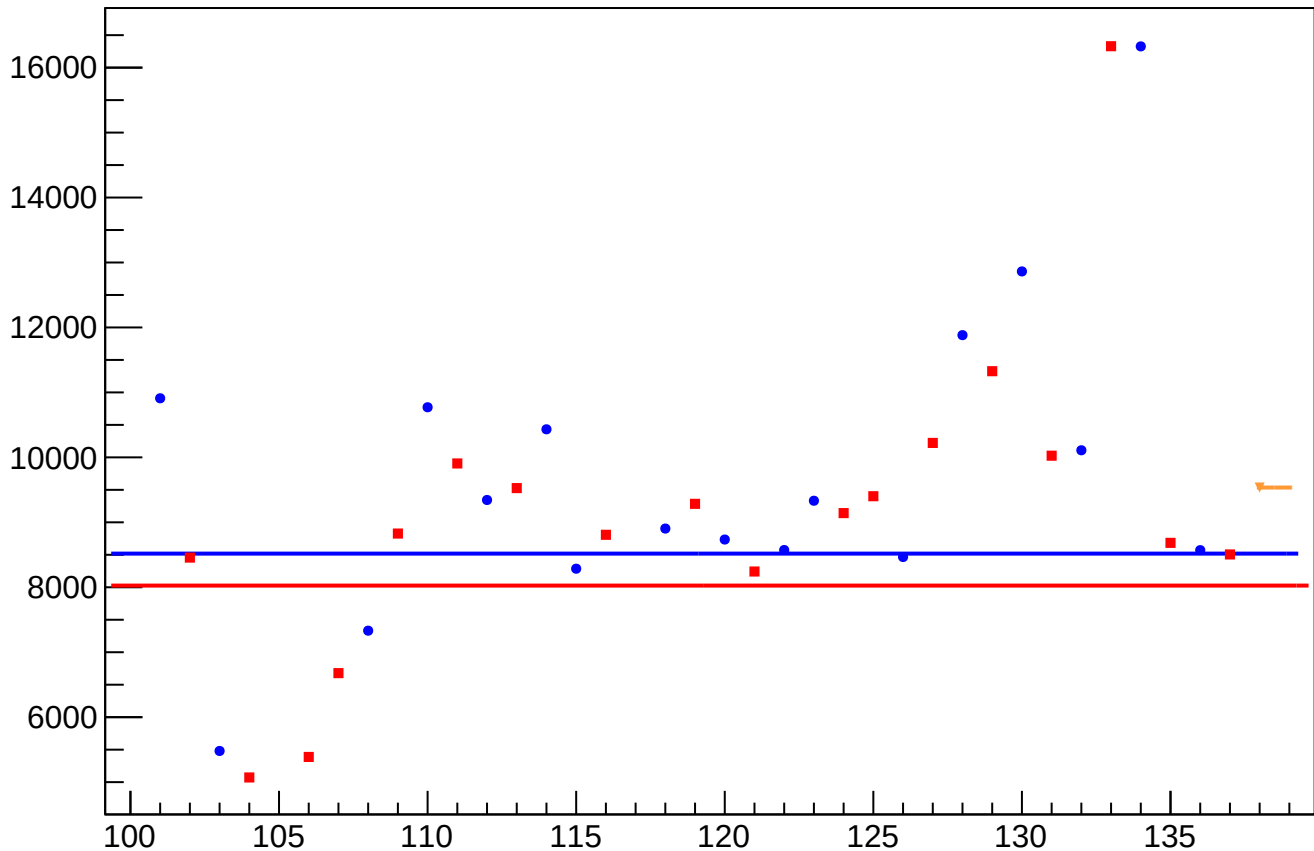
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 5490.095 $\pm$ 3250.117  $\chi^2$ /NDF: 16.0/17

All: 141.970 $\pm$ 2271.839  $\chi^2$ /NDF: 34.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr2\_rms vs Slug



Right In: 8518.273+/-2.401  $\chi^2$ /NDF: 771995.0/16

Left Out: 9535.351+/-7.930  $\chi^2$ /NDF: 0.0/0

Right Out: 8026.045+/-2.246  $\chi^2$ /NDF: 942657.8/17

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

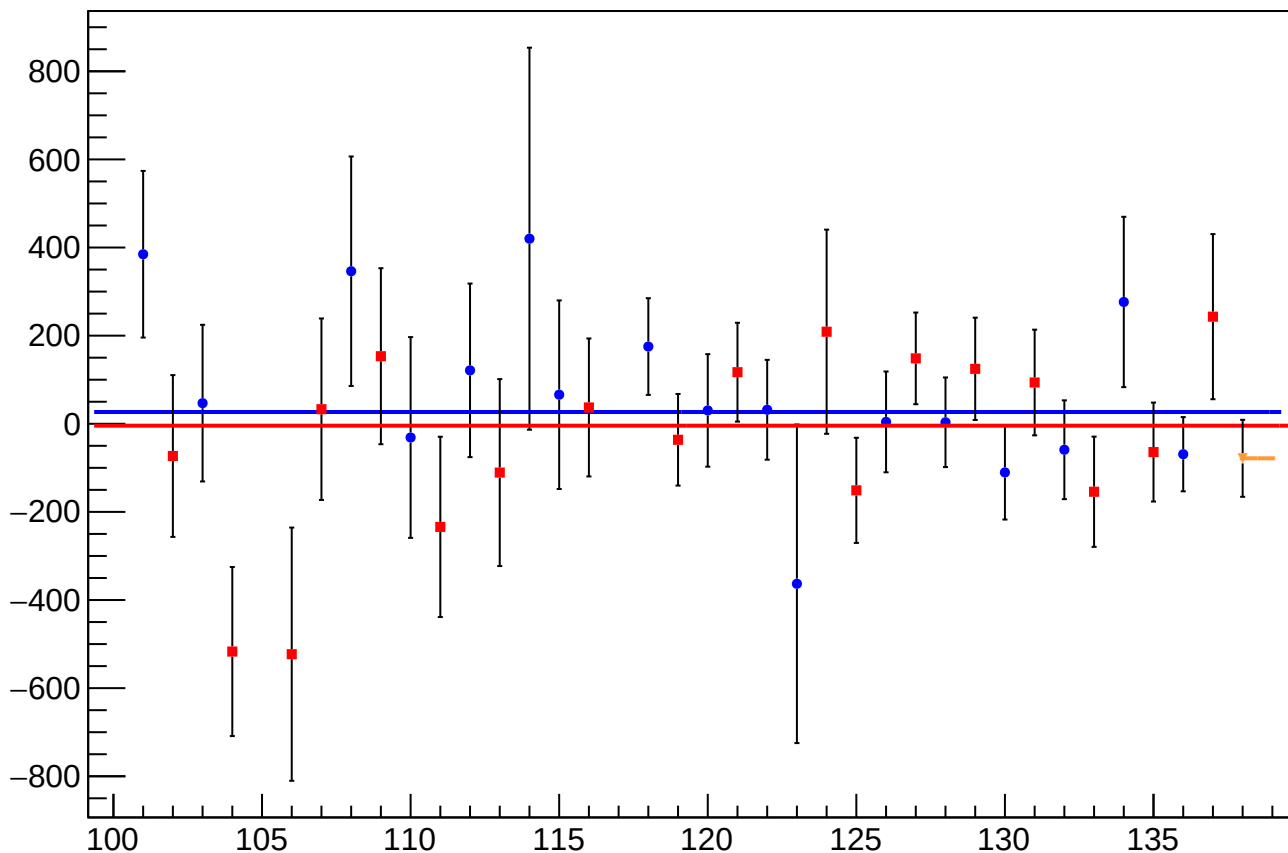
+ sign 8603.705+/-2.298  $\chi^2$ /NDF: 787064.7/17

All: 8308.282+/-1.606  $\chi^2$ /NDF: 1762033.4/35

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_sam1\_mean vs Slug



Right In: 26.713 $\pm$ 33.626  $\chi^2$ /NDF: 14.5/16

Left Out: -78.375 $\pm$ 87.366  $\chi^2$ /NDF: 0.0/0

Right Out: -4.338 $\pm$ 33.842  $\chi^2$ /NDF: 23.9/17

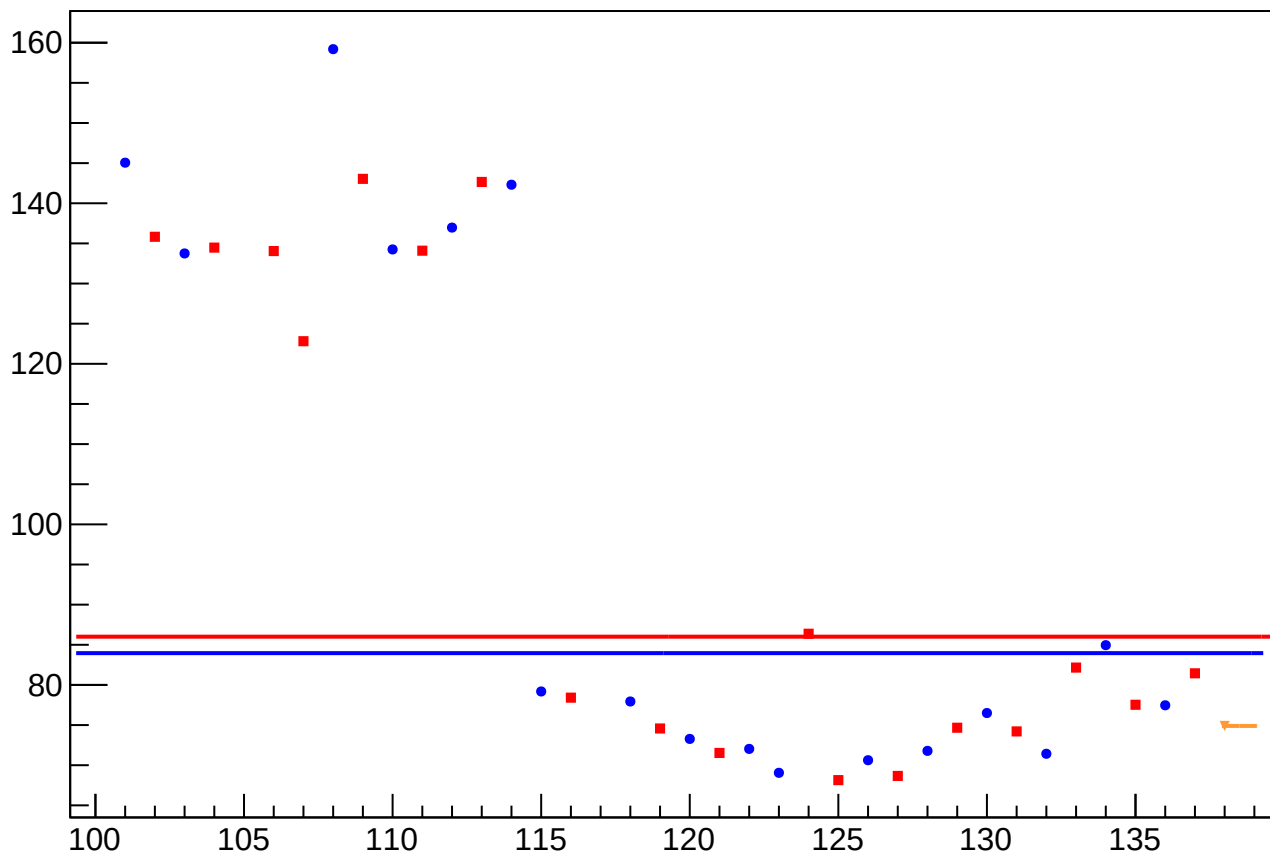
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 13.154 $\pm$ 31.382  $\chi^2$ /NDF: 15.8/17

All: 5.067 $\pm$ 23.011  $\chi^2$ /NDF: 39.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam1\_rms vs Slug



Right In: 83.961+/-0.024  $\chi^2/\text{NDF}$ : 960253.6/16

Left Out: 74.895+/-0.062  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 86.012+/-0.024  $\chi^2/\text{NDF}$ : 1026404.0/17

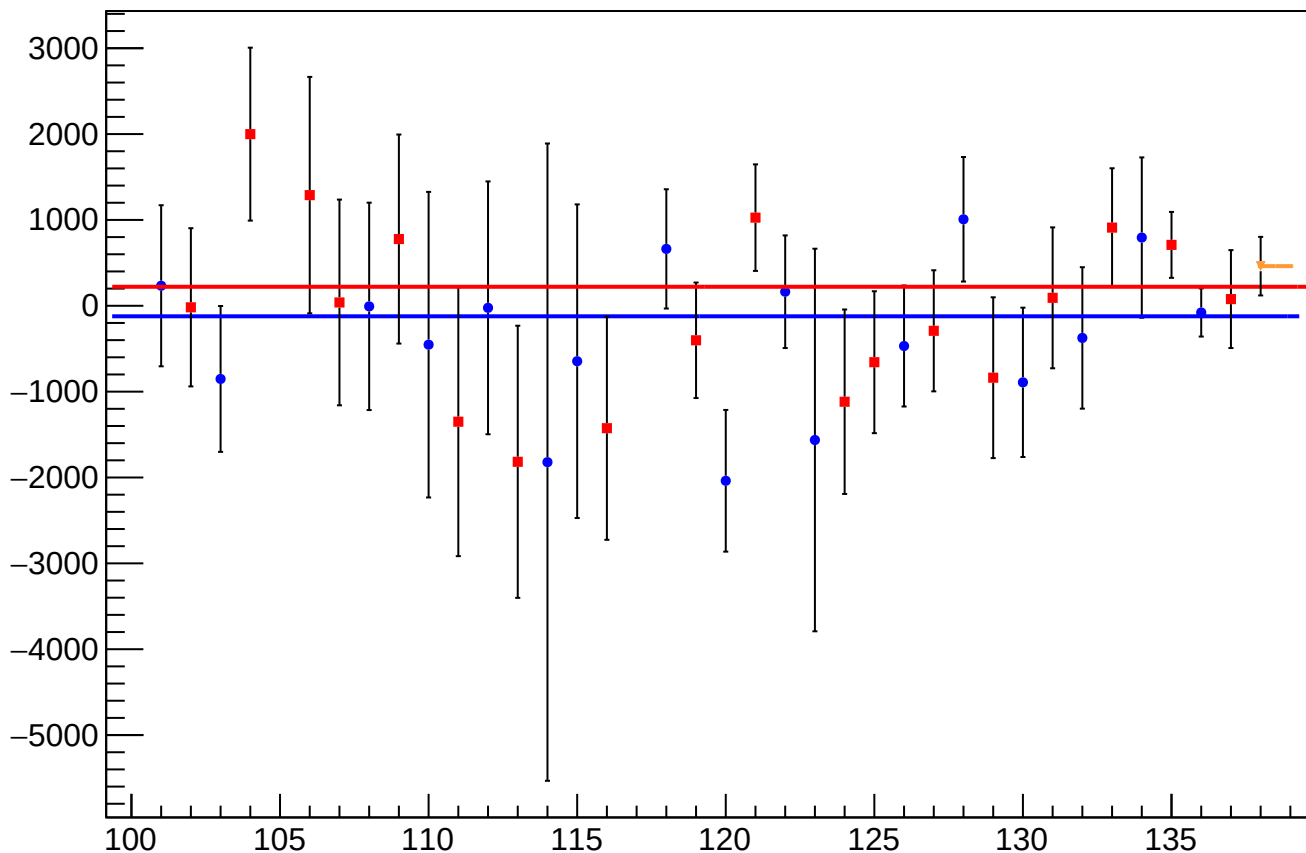
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 82.791+/-0.022  $\chi^2/\text{NDF}$ : 979011.0/17

All: 84.280+/-0.016  $\chi^2/\text{NDF}$ : 2015157.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam1\_correction\_mean vs Slug



Right In:  $-122.410 \pm 179.587$   $\chi^2/\text{NDF}$ : 13.0/16

Left Out:  $461.569 \pm 340.987$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $221.525 \pm 185.098$   $\chi^2/\text{NDF}$ : 18.0/17

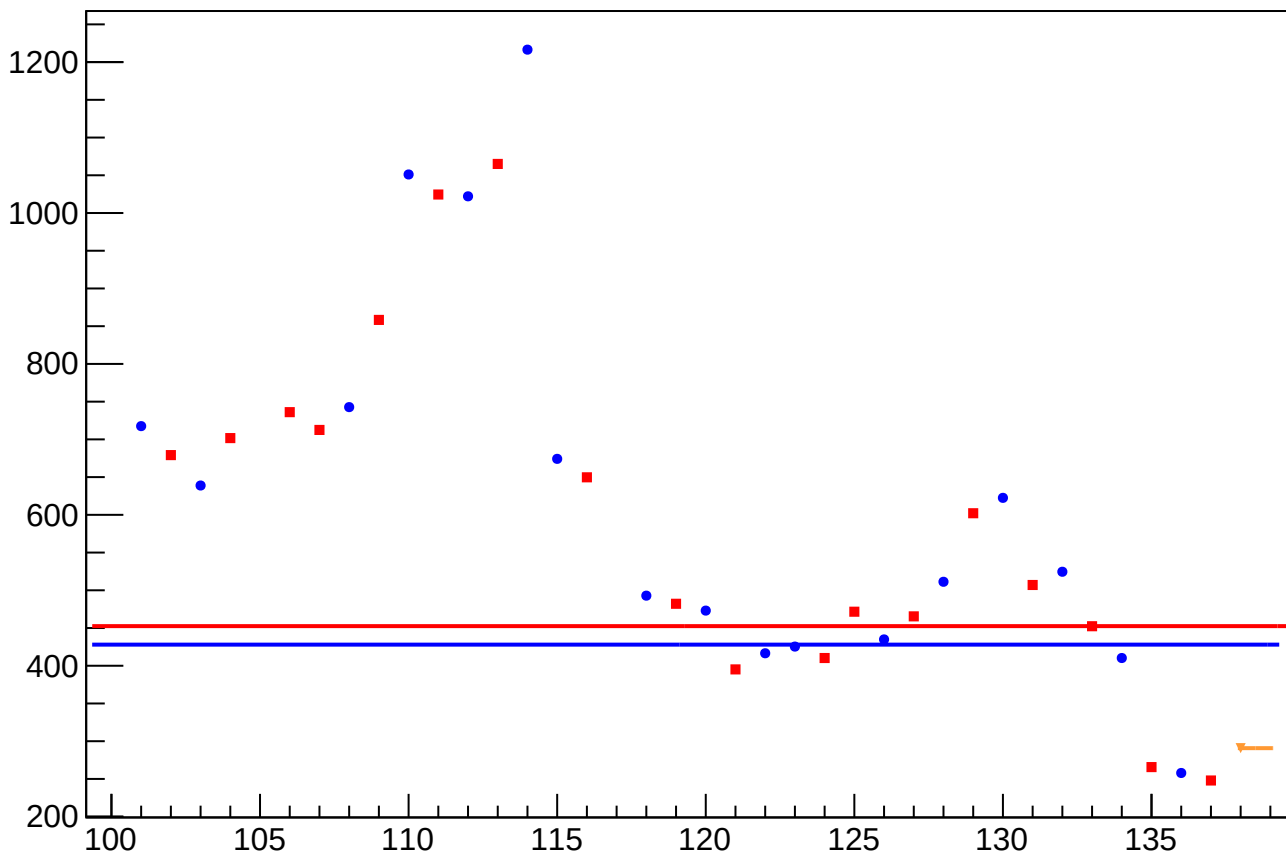
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $4.399 \pm 158.897$   $\chi^2/\text{NDF}$ : 15.3/17

All:  $96.520 \pm 120.566$   $\chi^2/\text{NDF}$ : 34.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam1\_correction\_rms vs Slug



Right In: 427.986+/-0.127  $\chi^2/\text{NDF}$ : 2062245.9/16

Left Out: 290.783+/-0.241  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 452.508+/-0.131  $\chi^2/\text{NDF}$ : 2073032.9/17

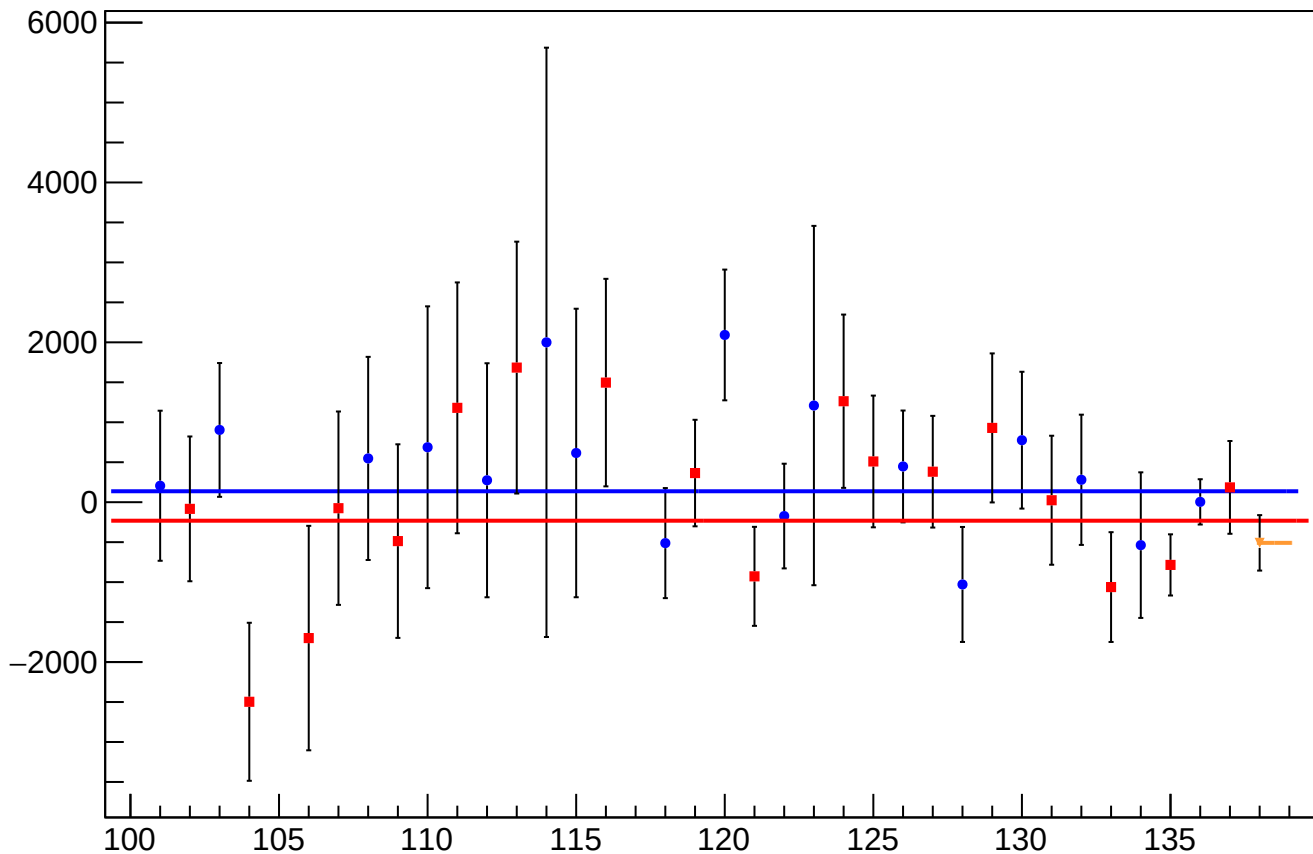
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 398.192+/-0.112  $\chi^2/\text{NDF}$ : 2315735.0/17

All: 421.237+/-0.085  $\chi^2/\text{NDF}$ : 4487916.0/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam1\_mean vs Slug



Right In: 136.810 $\pm$ 179.609  $\chi^2$ /NDF: 12.6/16

Left Out: -508.718 $\pm$ 346.932  $\chi^2$ /NDF: 0.0/0

Right Out: -231.586 $\pm$ 184.578  $\chi^2$ /NDF: 21.8/17

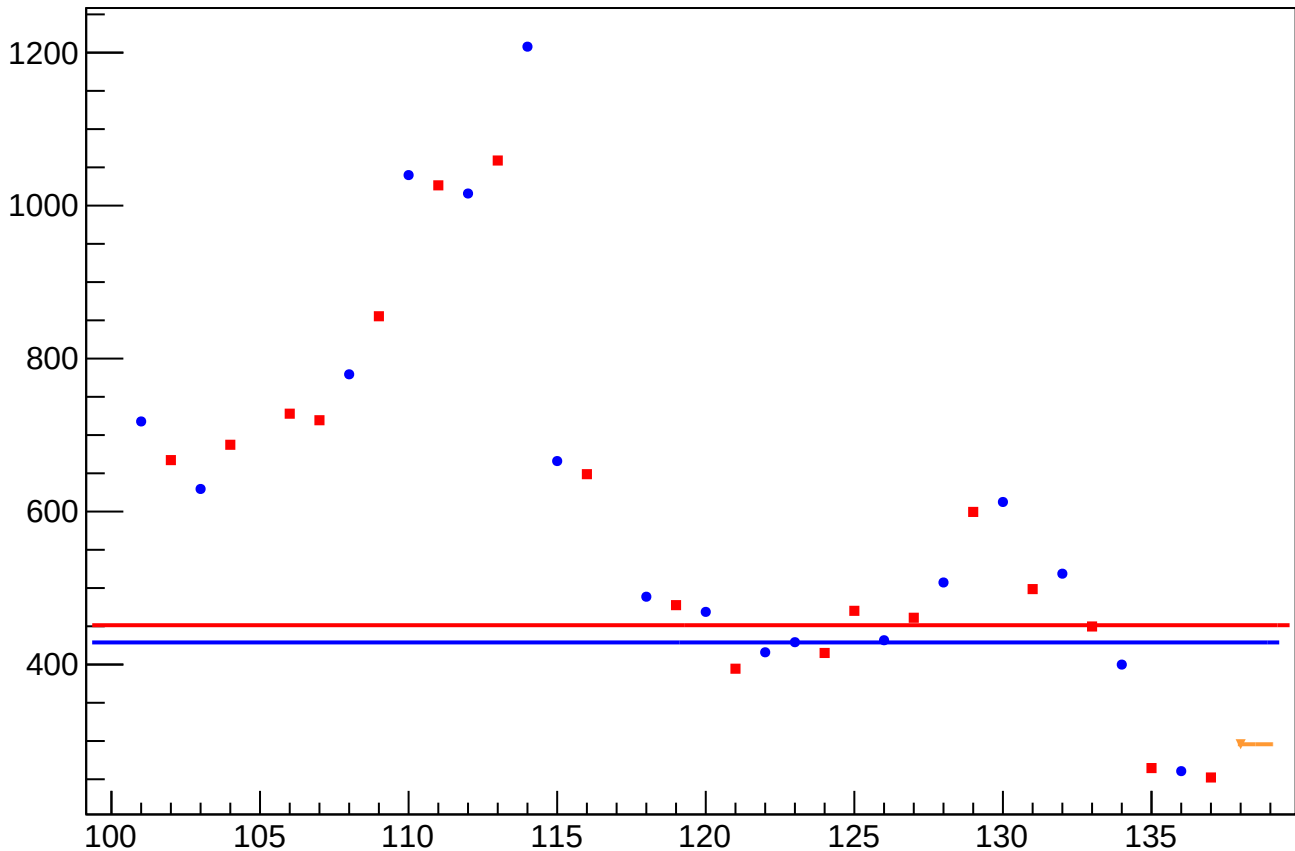
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.366 $\pm$ 159.502  $\chi^2$ /NDF: 15.3/17

All: -98.795 $\pm$ 120.684  $\chi^2$ /NDF: 38.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam1\_rms vs Slug



Right In: 428.889+/-0.127  $\chi^2/\text{NDF}$ : 2010592.5/16

Left Out: 295.770+/-0.245  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 451.411+/-0.131  $\chi^2/\text{NDF}$ : 2030742.8/17

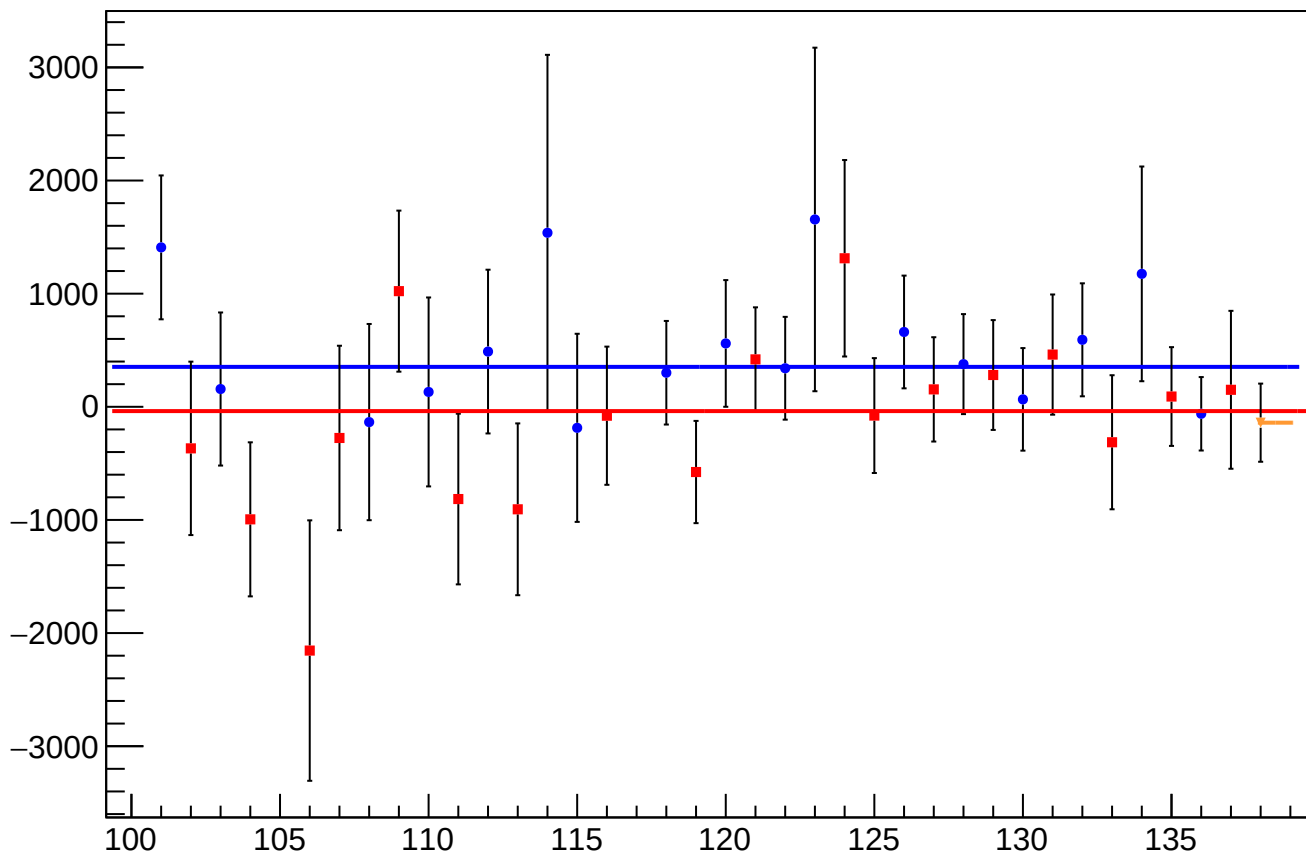
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 400.752+/-0.113  $\chi^2/\text{NDF}$ : 2242810.5/17

All: 422.409+/-0.085  $\chi^2/\text{NDF}$ : 4359801.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam2\_mean vs Slug



Right In:  $352.927 \pm 137.298$   $\chi^2/\text{NDF}$ : 8.5/16

Left Out:  $-140.366 \pm 345.402$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-37.982 \pm 139.023$   $\chi^2/\text{NDF}$ : 16.9/17

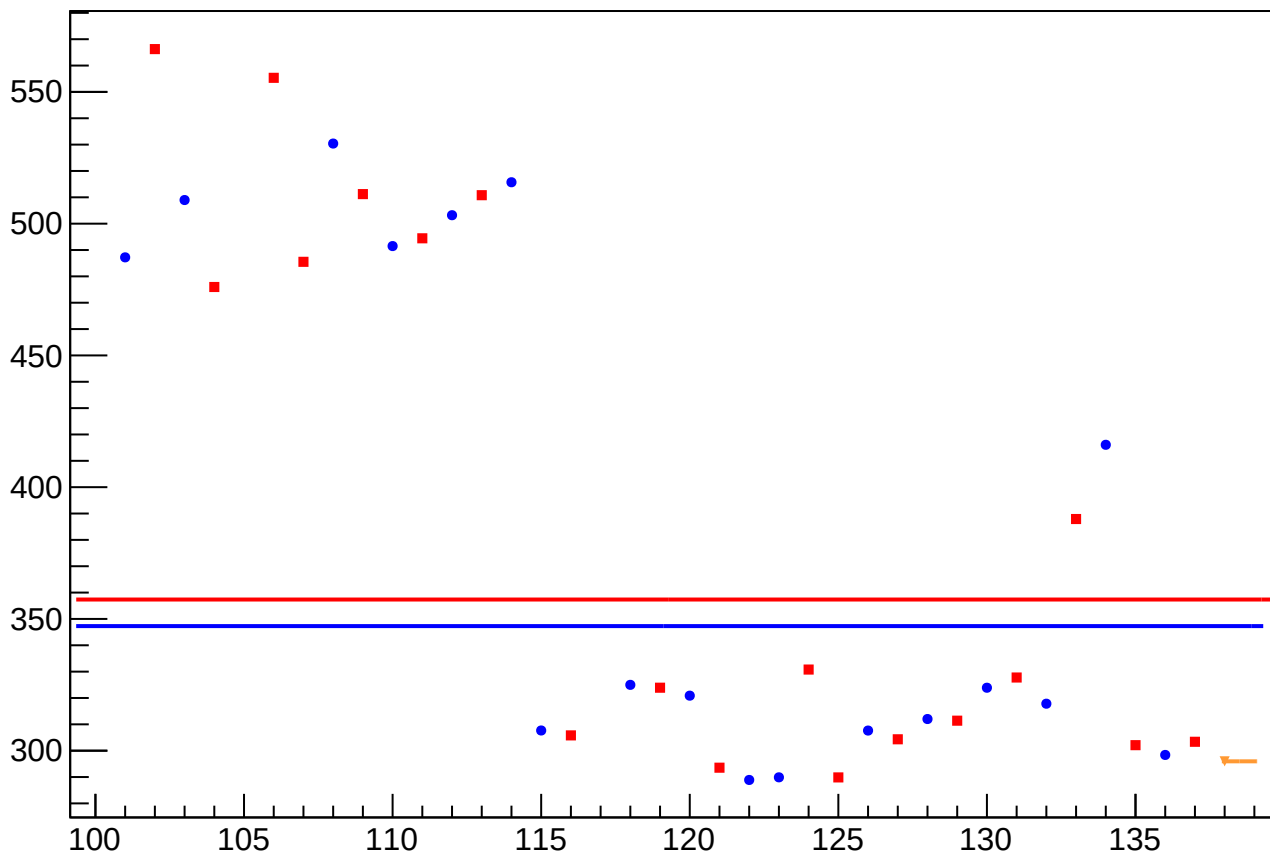
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $285.618 \pm 127.588$   $\chi^2/\text{NDF}$ : 10.3/17

All:  $137.673 \pm 94.001$   $\chi^2/\text{NDF}$ : 30.2/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam2\_rms vs Slug



Right In: 347.280 $\pm$ 0.097  $\chi^2$ /NDF: 618906.8/16

Left Out: 295.962 $\pm$ 0.244  $\chi^2$ /NDF: 0.0/0

Right Out: 357.365 $\pm$ 0.098  $\chi^2$ /NDF: 759938.5/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

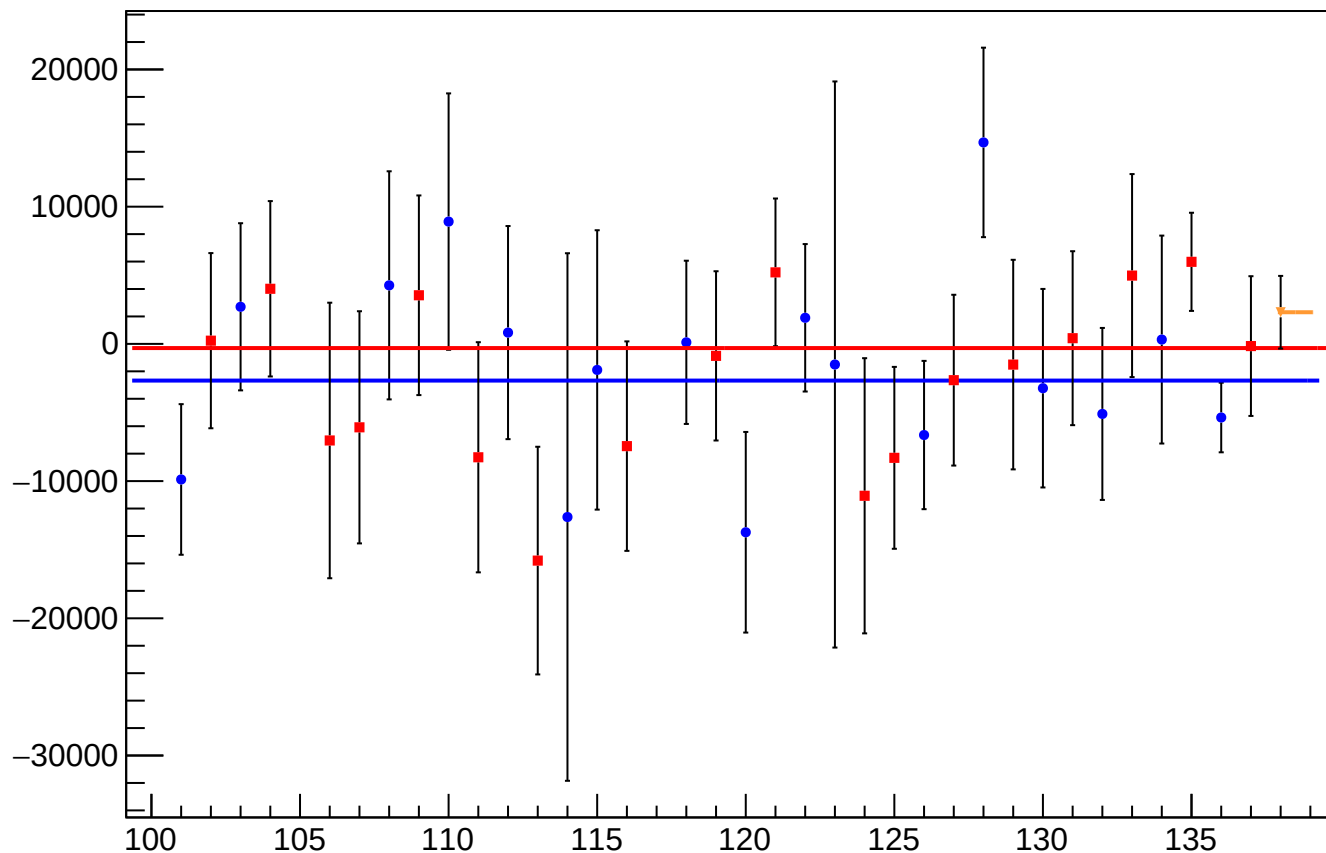
+ sign 340.277 $\pm$ 0.090  $\chi^2$ /NDF: 657031.2/17

All: 348.090 $\pm$ 0.066  $\chi^2$ /NDF: 1433369.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam2\_correction\_mean vs Slug



Right In: -2674.025+/-1456.188  $\chi^2/\text{NDF}$ : 16.7/16

Left Out: 2306.443+/-2648.318  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -304.817+/-1517.834  $\chi^2/\text{NDF}$ : 14.4/17

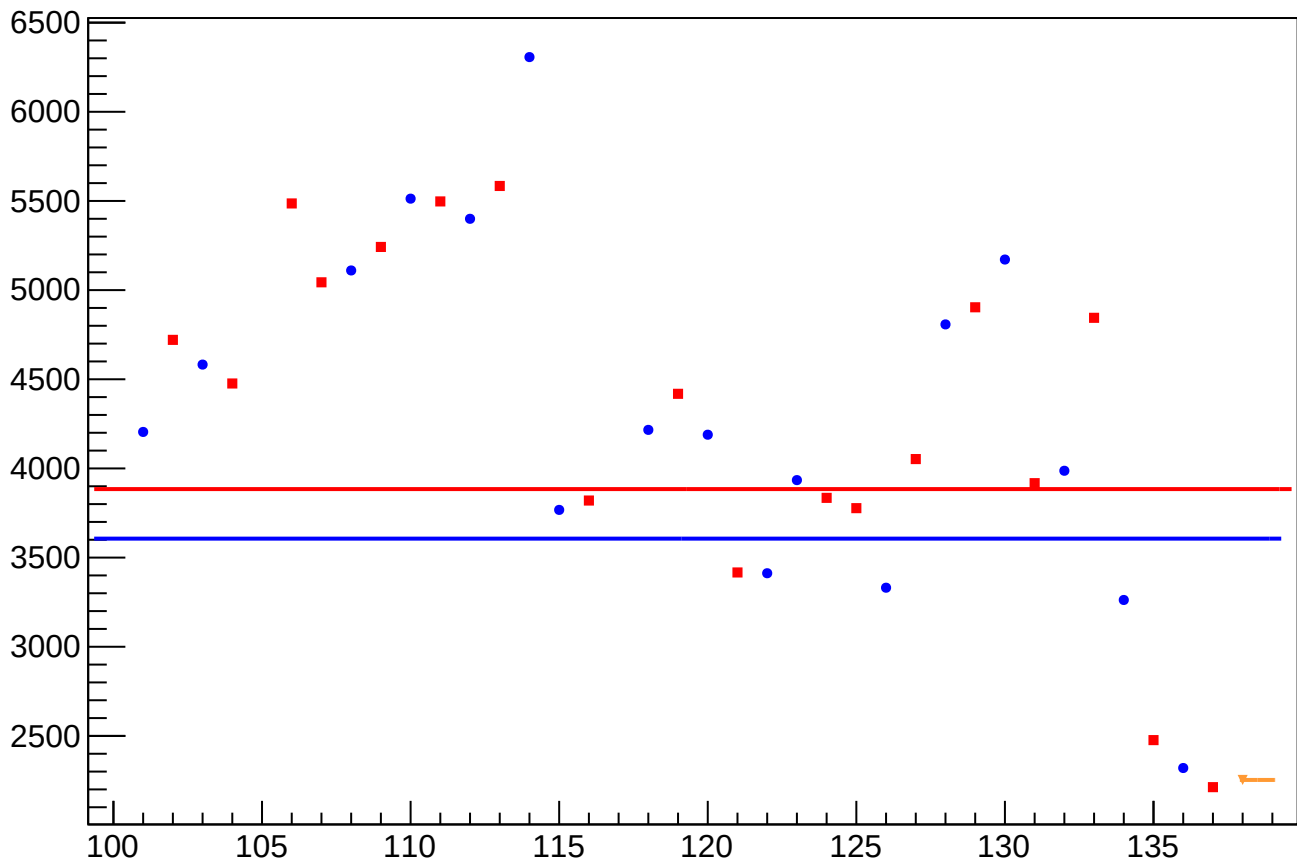
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -1517.805+/-1276.014  $\chi^2/\text{NDF}$ : 19.5/17

All: -1015.520+/-976.722  $\chi^2/\text{NDF}$ : 34.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam2\_correction\_rms vs Slug



Right In: 3606.359+/-1.030  $\chi^2/\text{NDF}$ : 1092516.6/16

Left Out: 2253.105+/-1.873  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3884.203+/-1.073  $\chi^2/\text{NDF}$ : 994574.5/17

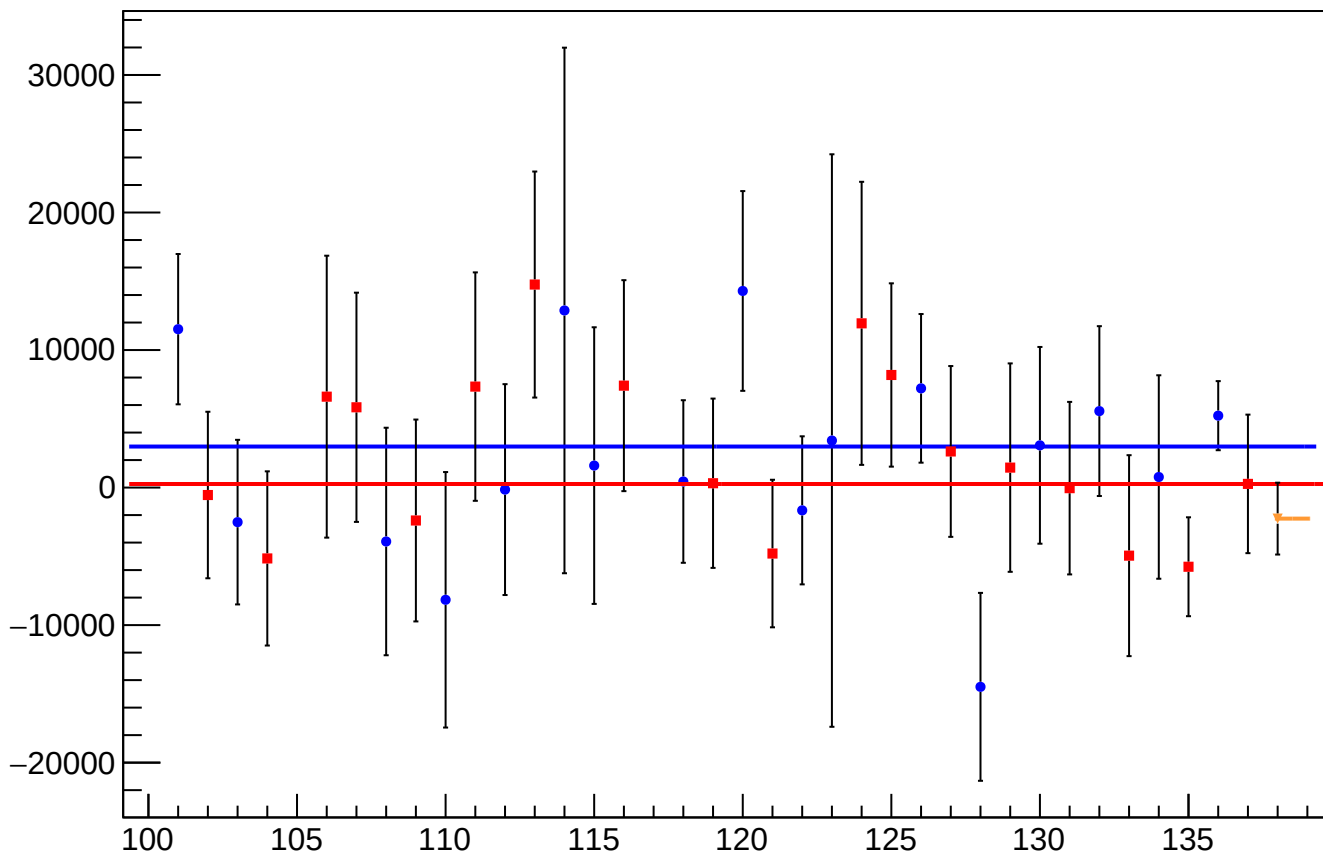
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3292.200+/-0.902  $\chi^2/\text{NDF}$ : 1493498.5/17

All: 3537.342+/-0.691  $\chi^2/\text{NDF}$ : 2666335.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam2\_mean vs Slug



Right In: 2983.609 $\pm$ 1443.630  $\chi^2$ /NDF: 17.4/16

Left Out: -2256.836 $\pm$ 2612.454  $\chi^2$ /NDF: 0.0/0

Right Out: 259.721 $\pm$ 1510.344  $\chi^2$ /NDF: 13.5/17

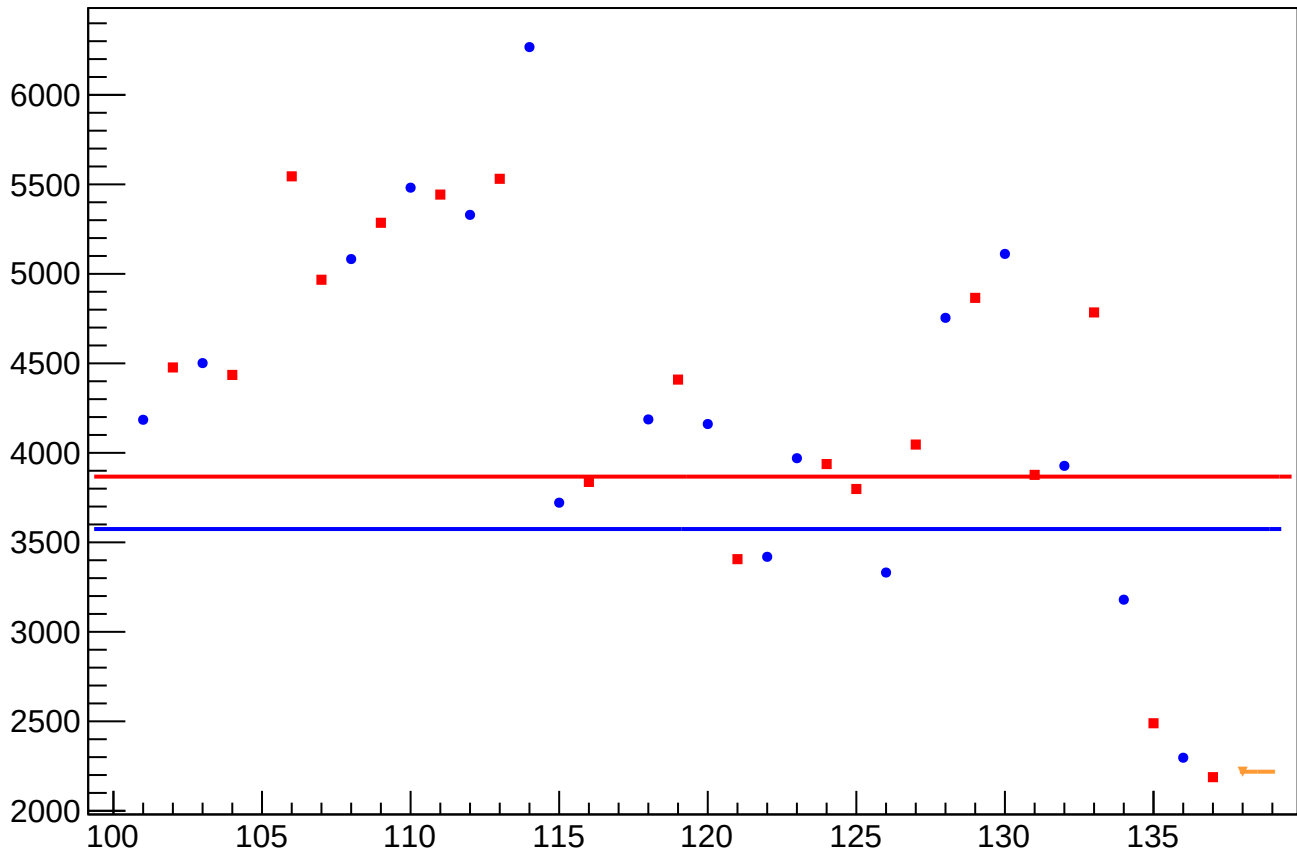
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1757.718 $\pm$ 1263.544  $\chi^2$ /NDF: 20.5/17

All: 1140.954 $\pm$ 969.126  $\chi^2$ /NDF: 34.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam2\_rms vs Slug



Right In:  $3574.362 \pm 1.021$   $\chi^2/\text{NDF}: 1091350.4/16$

Left Out:  $2218.573 \pm 1.847$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $3867.232 \pm 1.068$   $\chi^2/\text{NDF}: 968137.9/17$

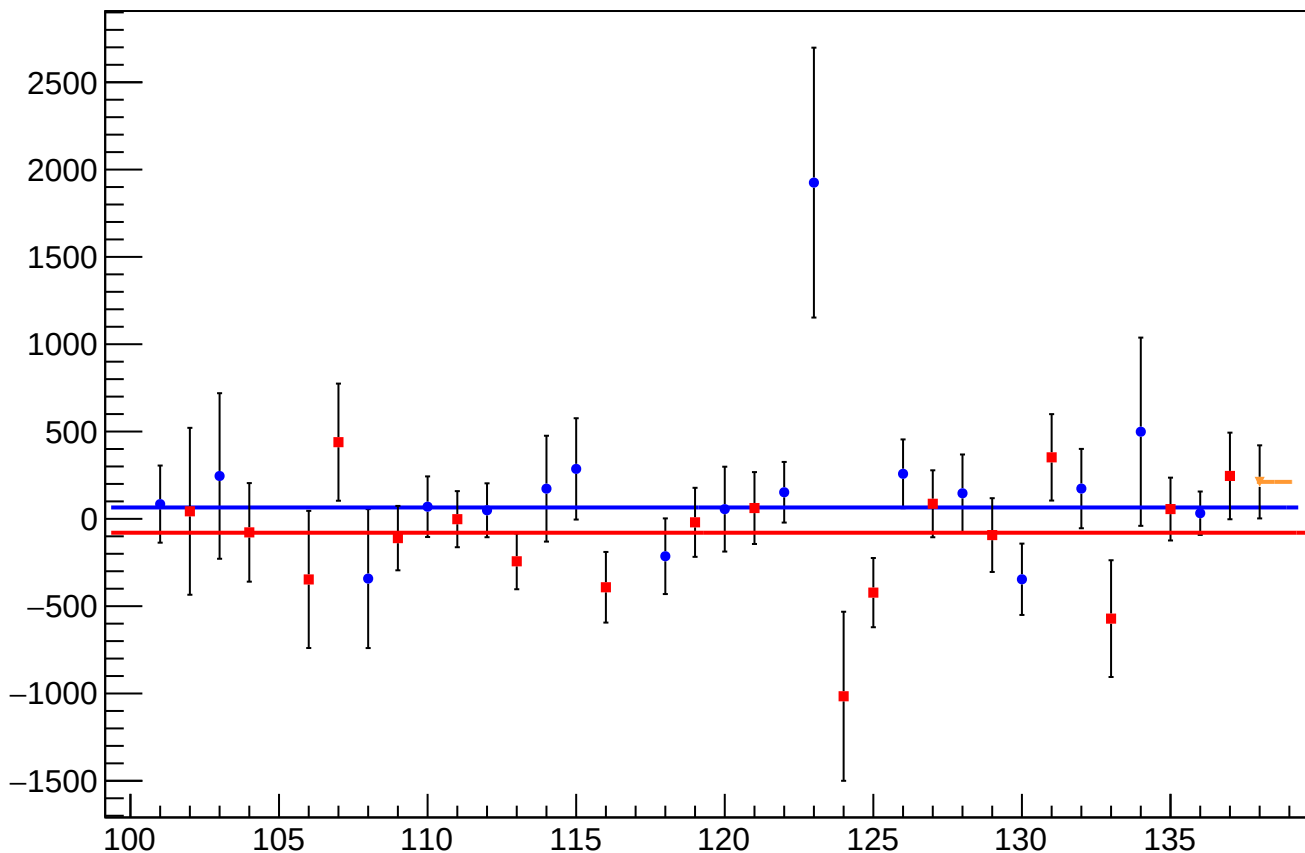
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $3257.204 \pm 0.893$   $\chi^2/\text{NDF}: 1504005.0/17$

All:  $3508.368 \pm 0.685$   $\chi^2/\text{NDF}: 2664079.1/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_asym\_sam3\_mean vs Slug



Right In: 65.225+/-52.700  $\chi^2/\text{NDF}$ : 15.7/16

Left Out: 211.722+/-209.279  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -79.473+/-52.344  $\chi^2/\text{NDF}$ : 22.2/17

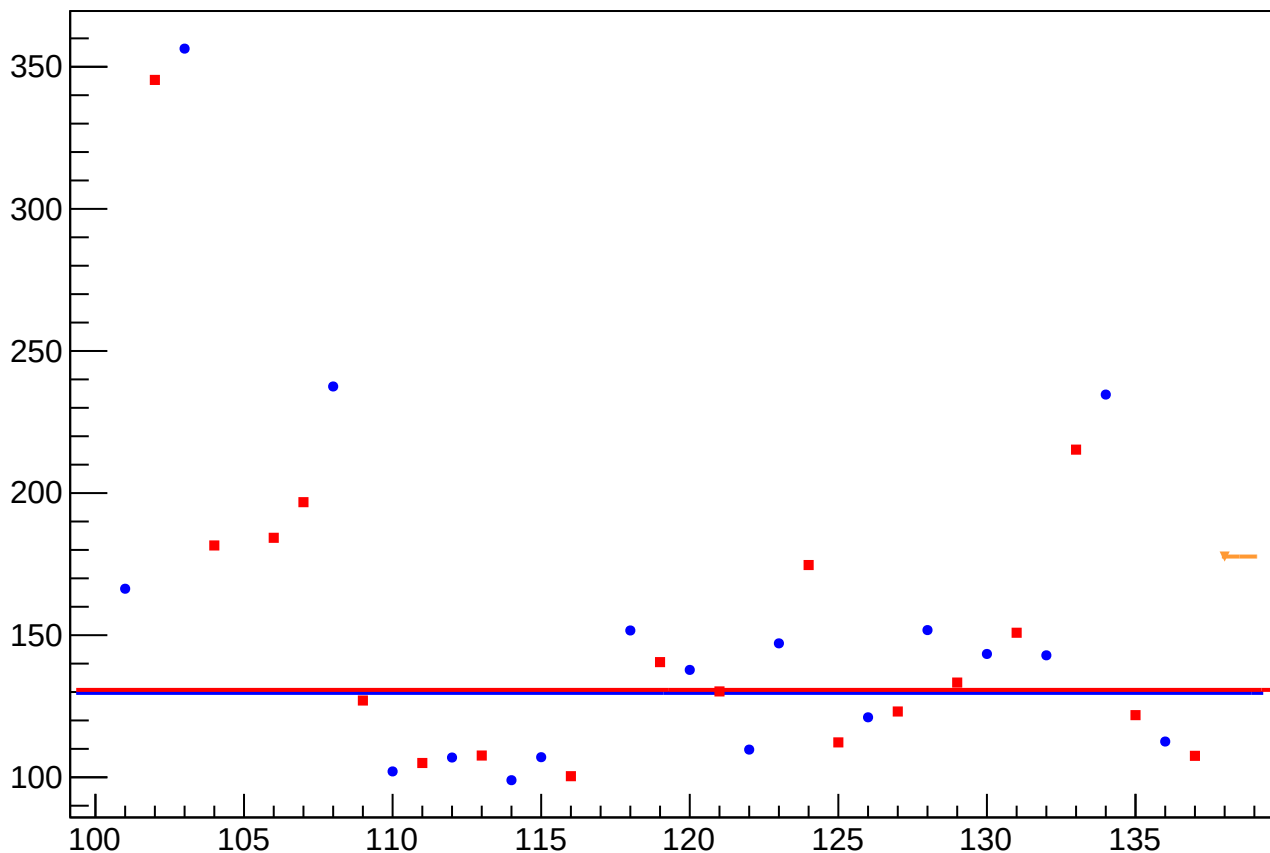
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 73.961+/-51.105  $\chi^2/\text{NDF}$ : 16.2/17

All: -0.919+/-36.567  $\chi^2/\text{NDF}$ : 42.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam3\_rms vs Slug



Right In: 129.697 $\pm$ 0.037  $\chi^2$ /NDF: 989682.4/16

Left Out: 177.668 $\pm$ 0.148  $\chi^2$ /NDF: 0.0/0

Right Out: 130.751 $\pm$ 0.037  $\chi^2$ /NDF: 927534.3/17

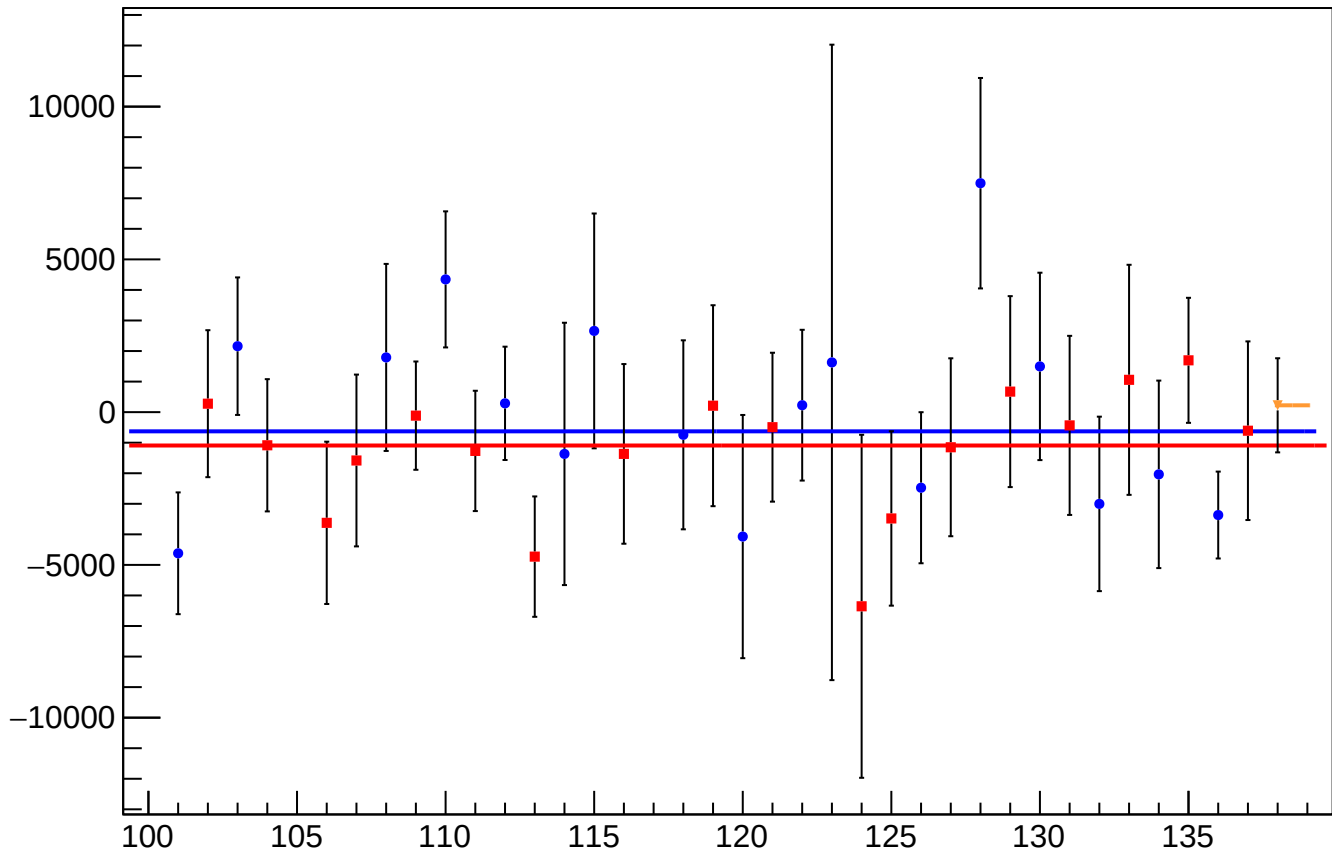
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 132.557 $\pm$ 0.036  $\chi^2$ /NDF: 1088502.0/17

All: 131.676 $\pm$ 0.026  $\chi^2$ /NDF: 2017255.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam3\_correction\_mean vs Slug



Right In: -628.175+/-621.486  $\chi^2/\text{NDF}$ : 24.3/16

Left Out: 223.634+/-1540.480  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1091.945+/-599.483  $\chi^2/\text{NDF}$ : 9.4/17

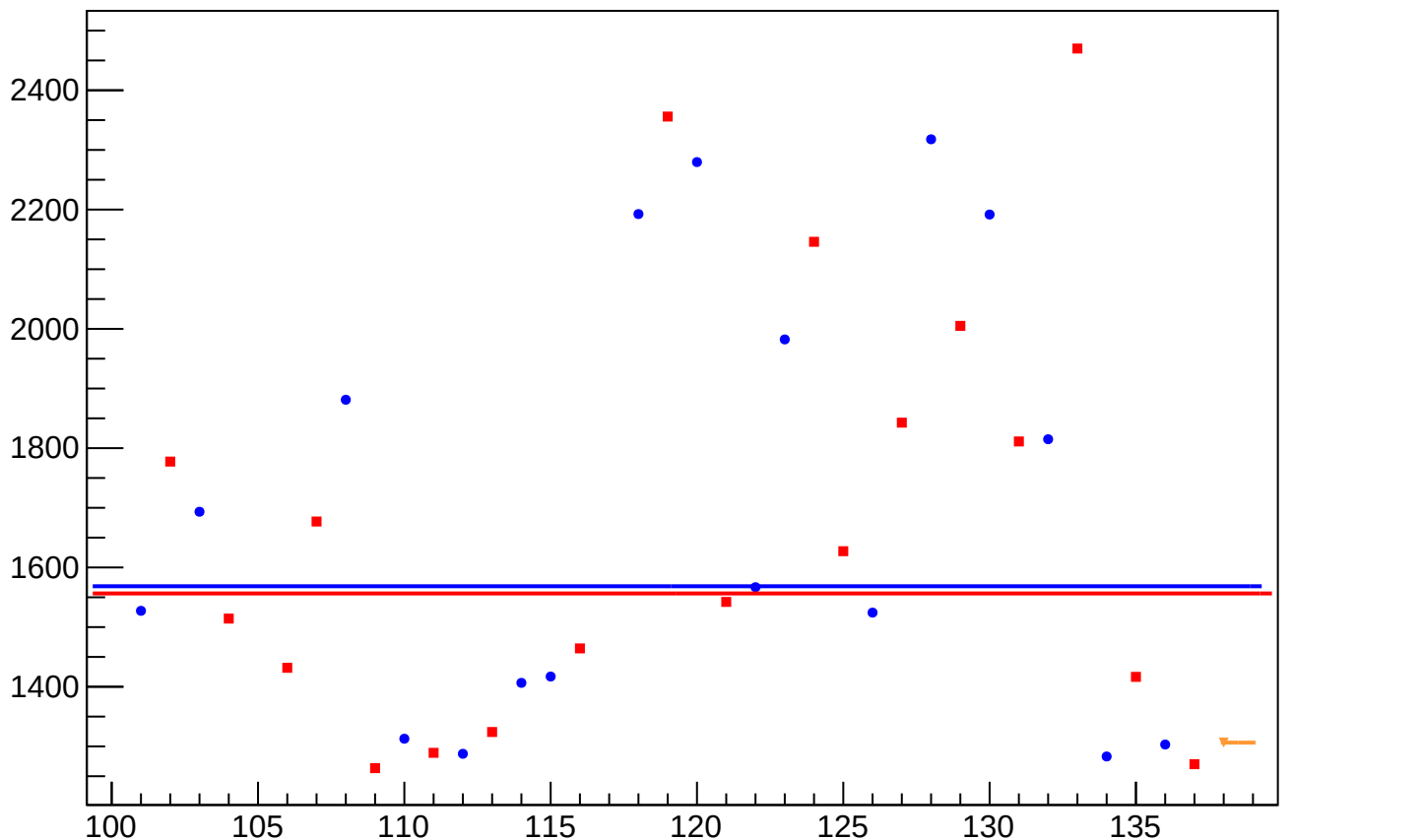
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -508.940+/-576.350  $\chi^2/\text{NDF}$ : 24.6/17

All: -788.977+/-415.478  $\chi^2/\text{NDF}$ : 34.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam3\_correction\_rms vs Slug



Right In: 1568.480+/-0.439  $\chi^2/\text{NDF}$ : 534197.6/16

Left Out: 1306.369+/-1.089  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1556.423+/-0.424  $\chi^2/\text{NDF}$ : 510453.6/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

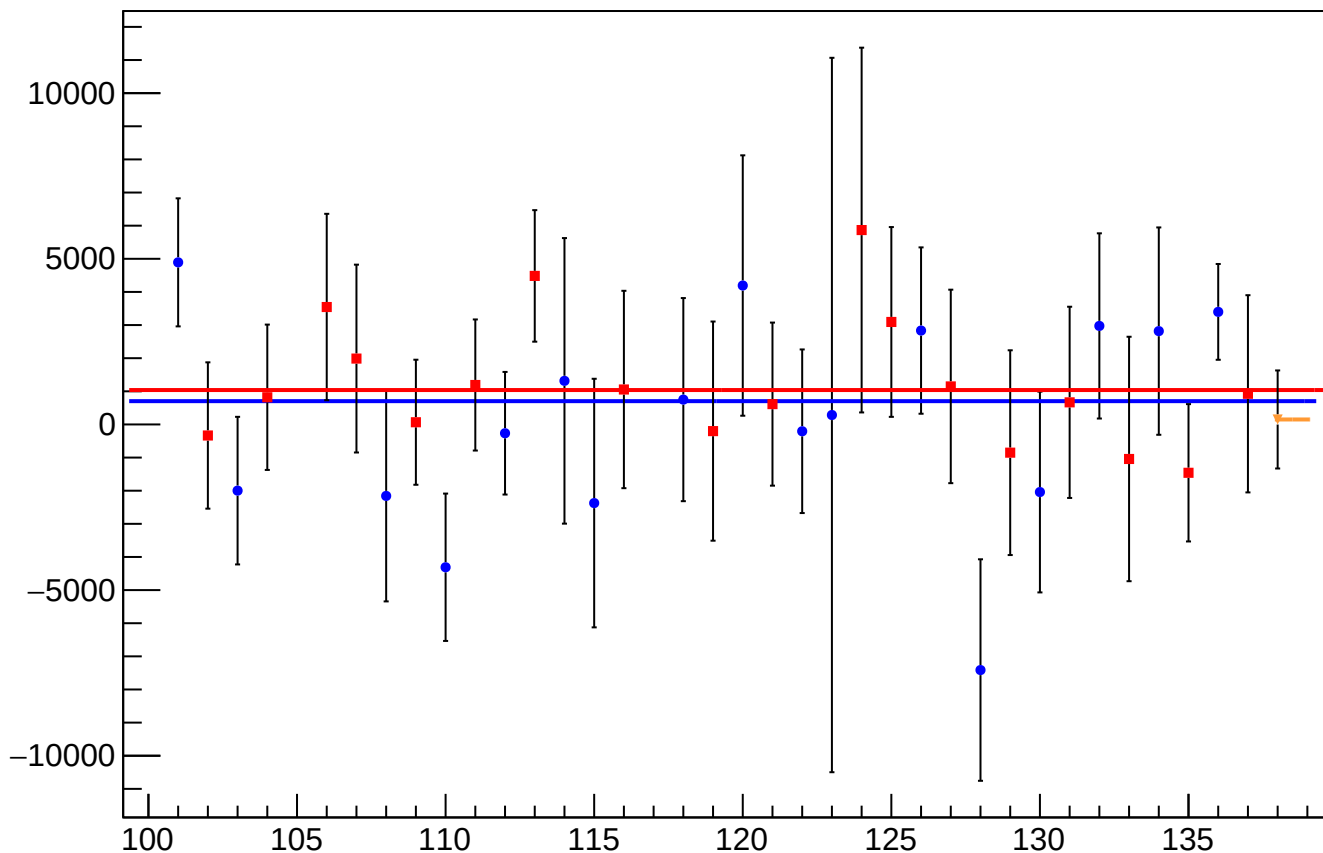
+ sign 1531.790+/-0.408  $\chi^2/\text{NDF}$ : 583994.2/17

All: 1543.622+/-0.294  $\chi^2/\text{NDF}$ : 1096202.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam3\_mean vs Slug



Right In: 703.057 $\pm$ 620.618  $\chi^2$ /NDF: 26.0/16

Left Out: 149.994 $\pm$ 1479.925  $\chi^2$ /NDF: 0.0/0

Right Out: 1038.423 $\pm$ 604.250  $\chi^2$ /NDF: 8.2/17

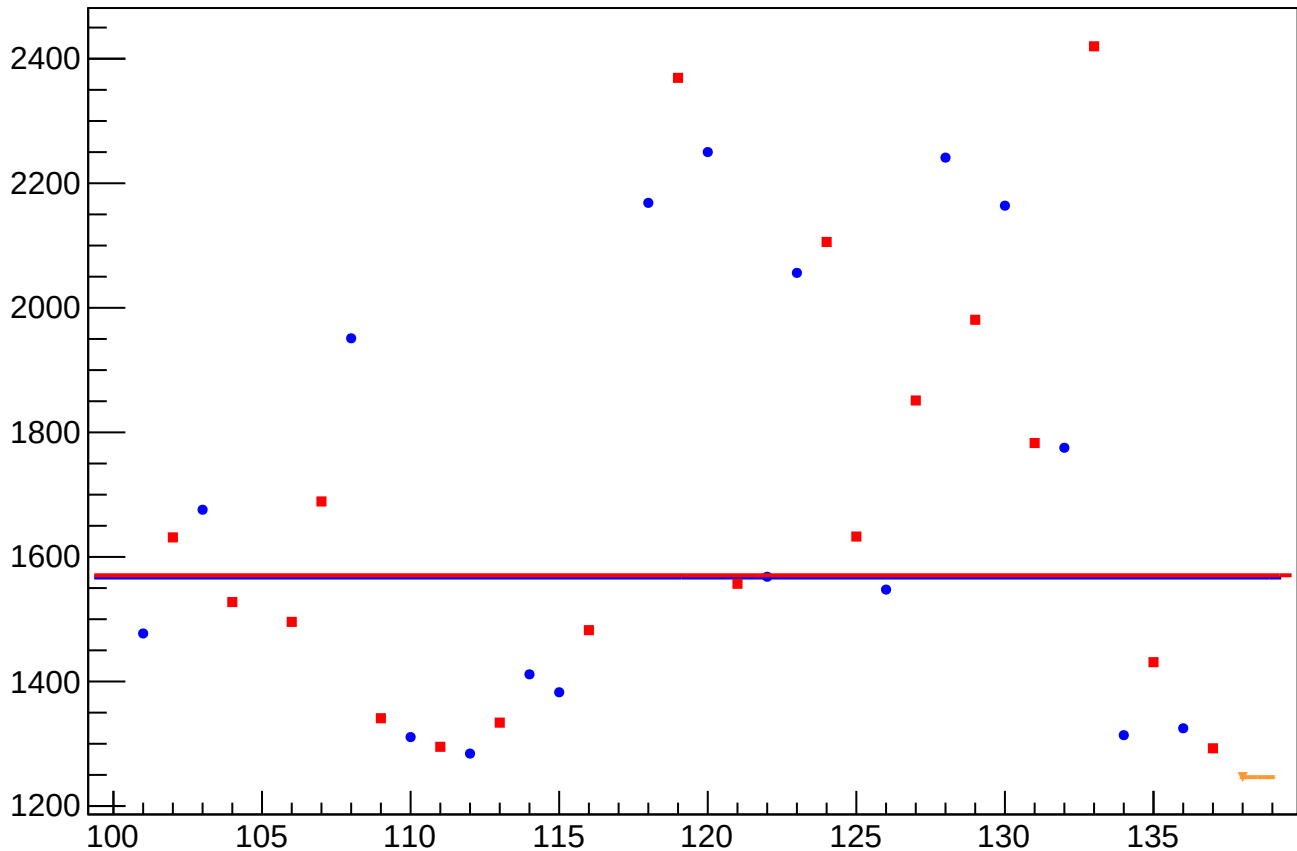
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 620.341 $\pm$ 572.330  $\chi^2$ /NDF: 26.1/17

All: 818.048 $\pm$ 415.525  $\chi^2$ /NDF: 34.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam3\_rms vs Slug



Right In: 1566.937+/-0.439  $\chi^2/\text{NDF}$ : 499846.2/16

Left Out: 1246.406+/-1.046  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1570.549+/-0.427  $\chi^2/\text{NDF}$ : 439261.0/17

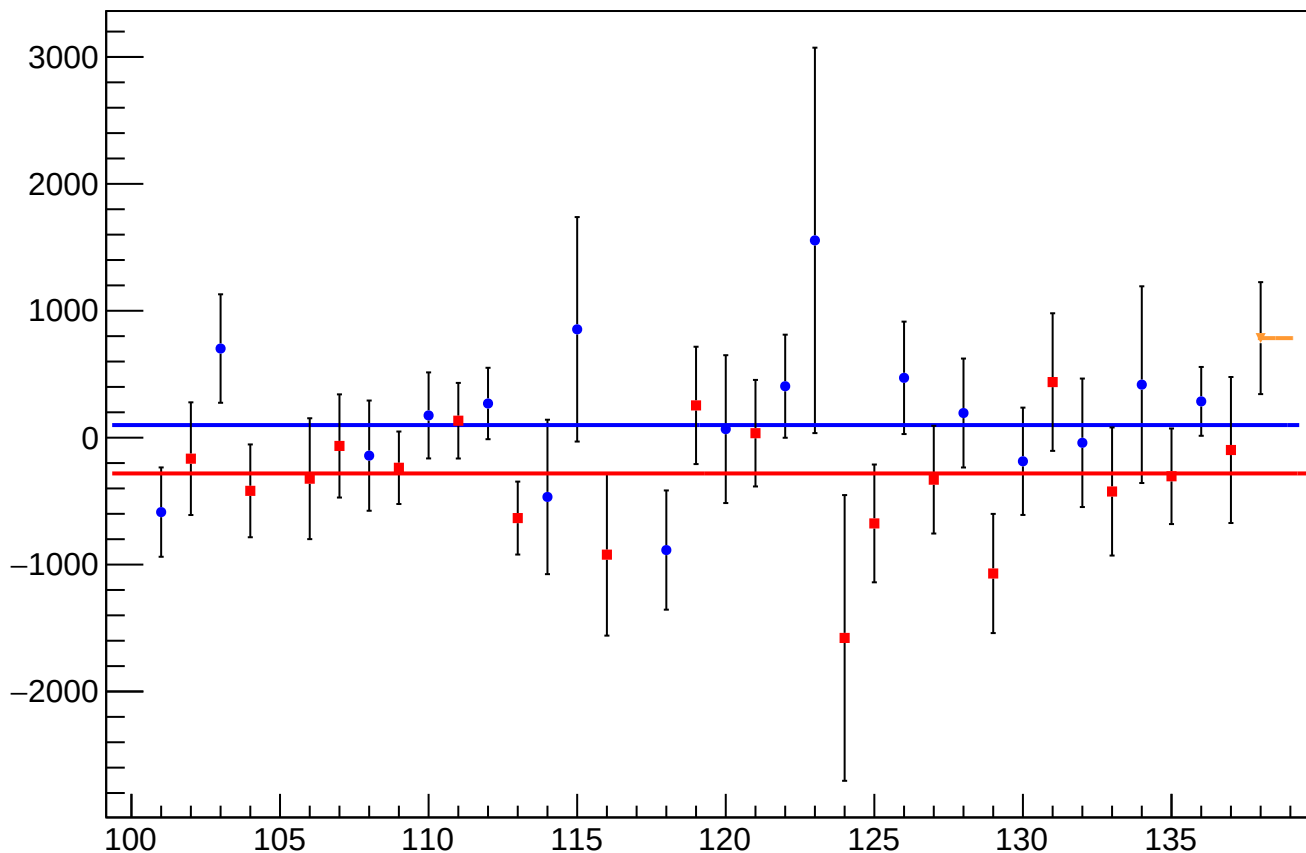
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1518.998+/-0.405  $\chi^2/\text{NDF}$ : 579633.6/17

All: 1543.376+/-0.294  $\chi^2/\text{NDF}$ : 1026567.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam4\_mean vs Slug



Right In:  $99.387 \pm 103.463$   $\chi^2/\text{NDF}$ : 15.9/16

Left Out:  $784.469 \pm 441.109$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-281.830 \pm 97.880$   $\chi^2/\text{NDF}$ : 13.7/17

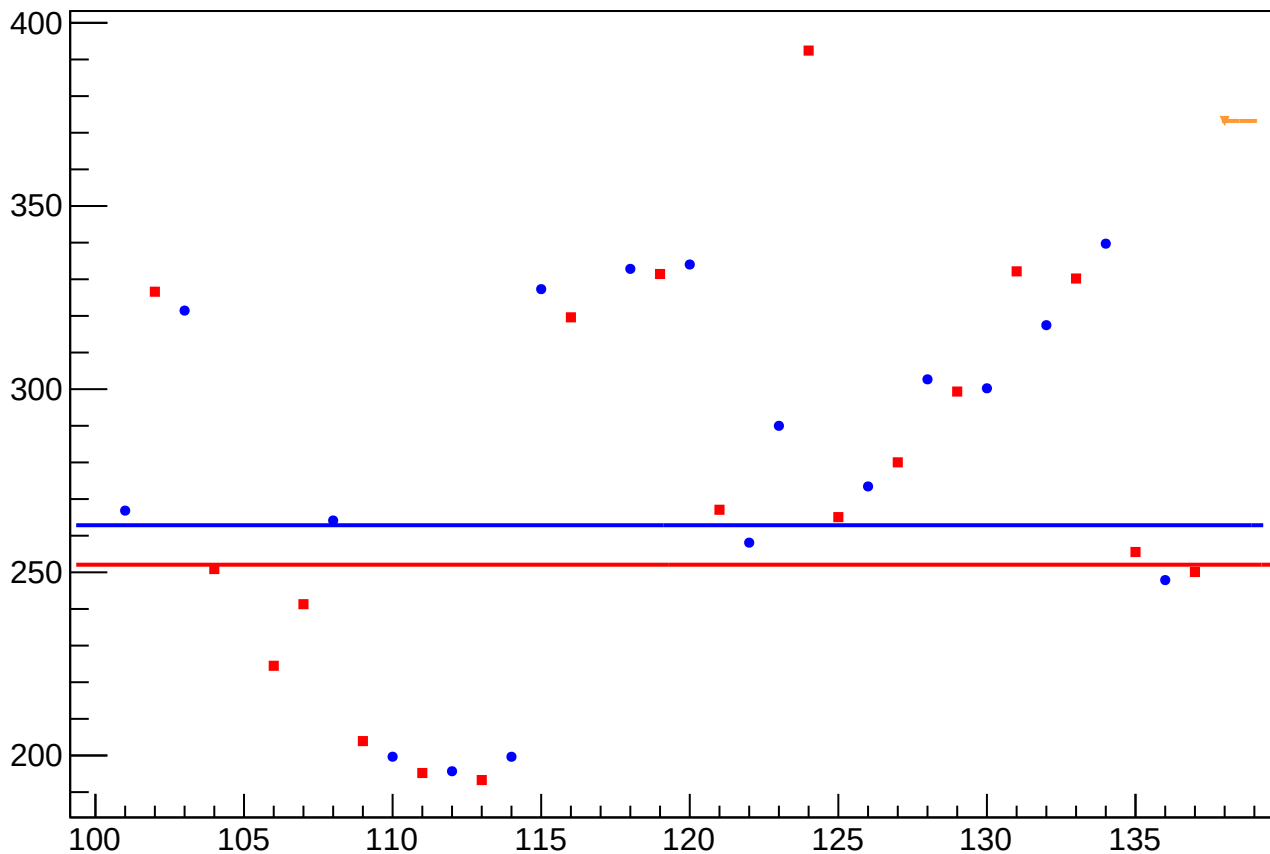
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $135.112 \pm 100.730$   $\chi^2/\text{NDF}$ : 18.2/17

All:  $-79.340 \pm 70.197$   $\chi^2/\text{NDF}$ : 40.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam4\_rms vs Slug



Right In: 262.856+/-0.073  $\chi^2/\text{NDF}$ : 411698.3/16

Left Out: 373.223+/-0.312  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 252.079+/-0.069  $\chi^2/\text{NDF}$ : 515150.4/17

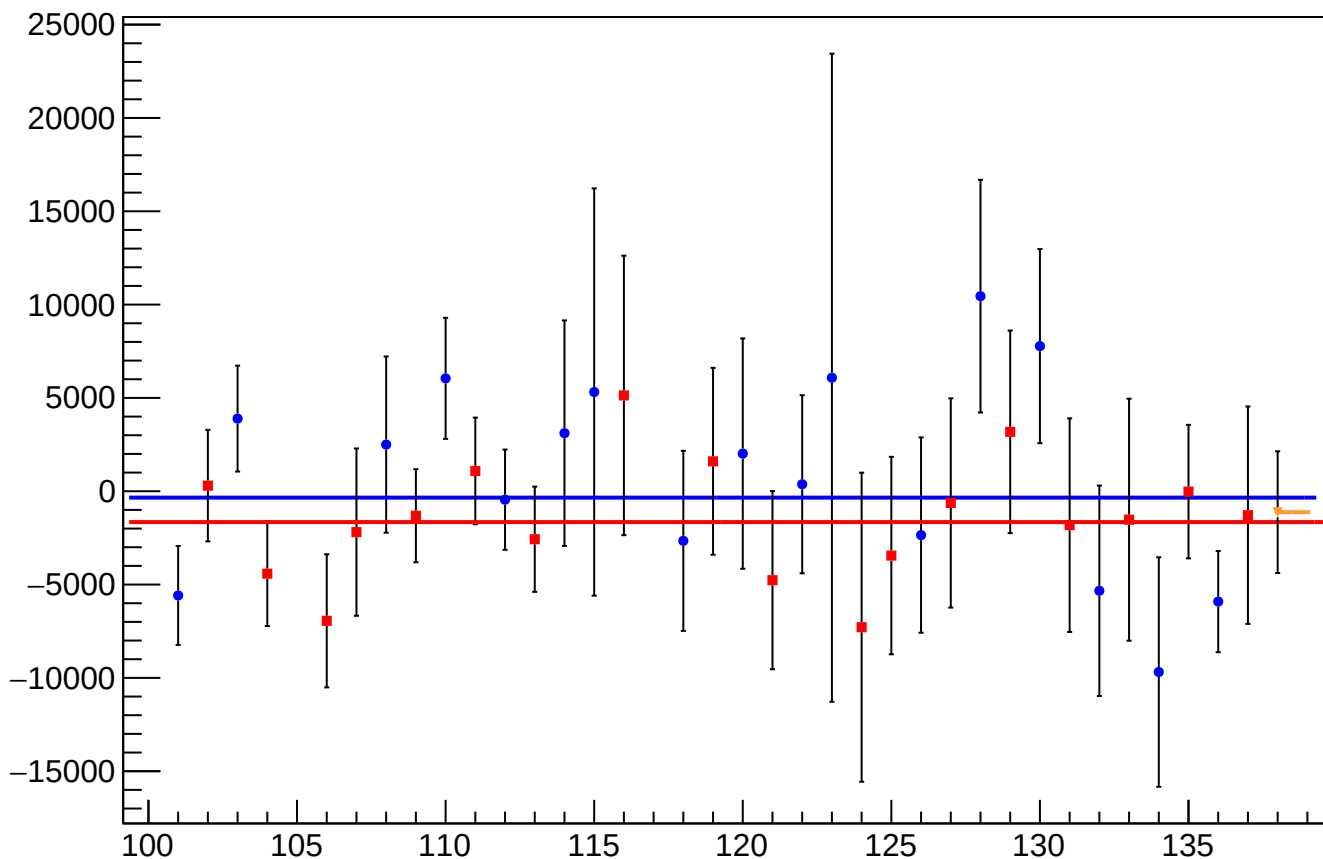
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 268.612+/-0.071  $\chi^2/\text{NDF}$ : 530372.7/17

All: 260.108+/-0.050  $\chi^2/\text{NDF}$ : 1073233.0/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam4\_correction\_mean vs Slug



Right In: -341.538+/-1004.635  $\chi^2/\text{NDF}$ : 24.4/16

Left Out: -1121.694+/-3261.085  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1651.954+/-929.858  $\chi^2/\text{NDF}$ : 7.9/17

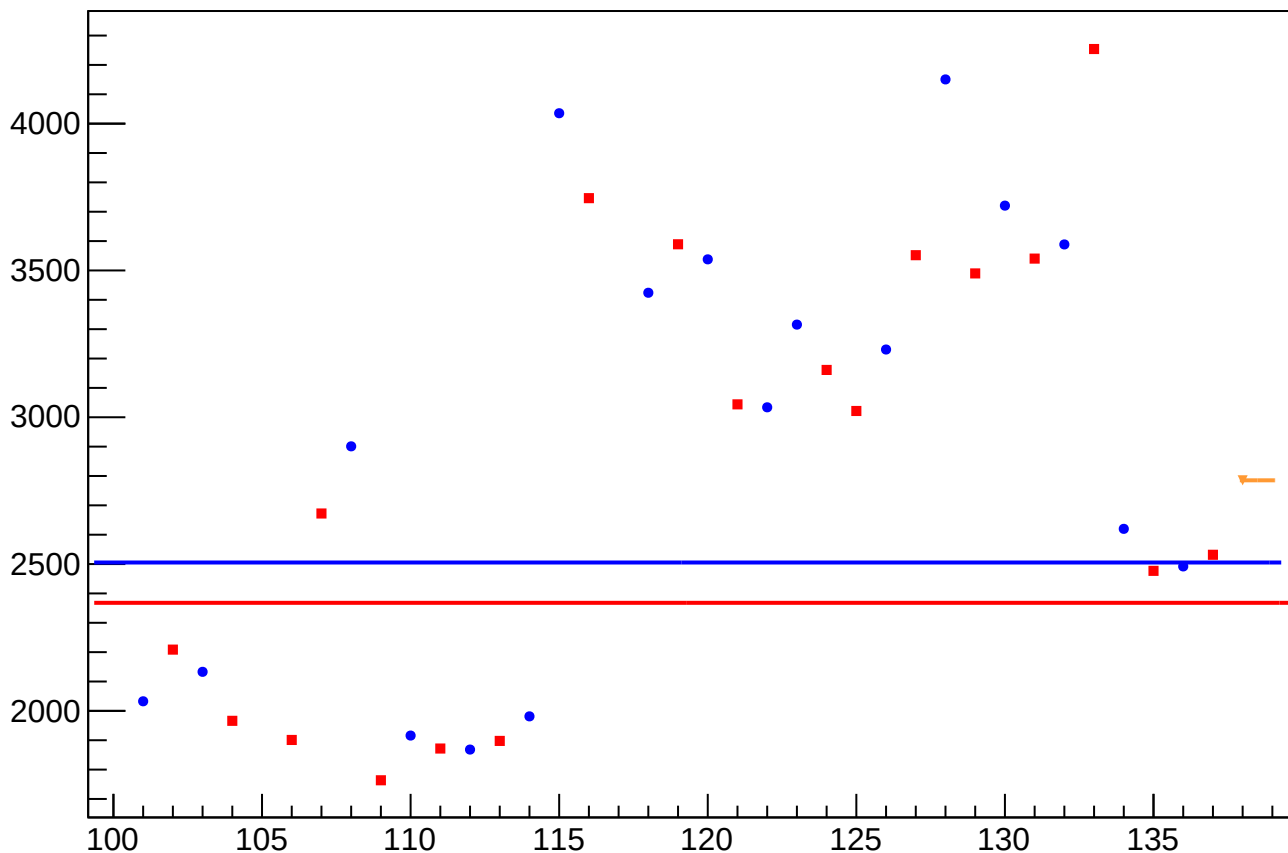
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -409.162+/-960.107  $\chi^2/\text{NDF}$ : 24.5/17

All: -1050.444+/-667.947  $\chi^2/\text{NDF}$ : 33.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam4\_correction\_rms vs Slug



Right In: 2505.329+/-0.710  $\chi^2/\text{NDF}$ : 864133.9/16

Left Out: 2785.231+/-2.306  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2368.003+/-0.658  $\chi^2/\text{NDF}$ : 1030879.9/17

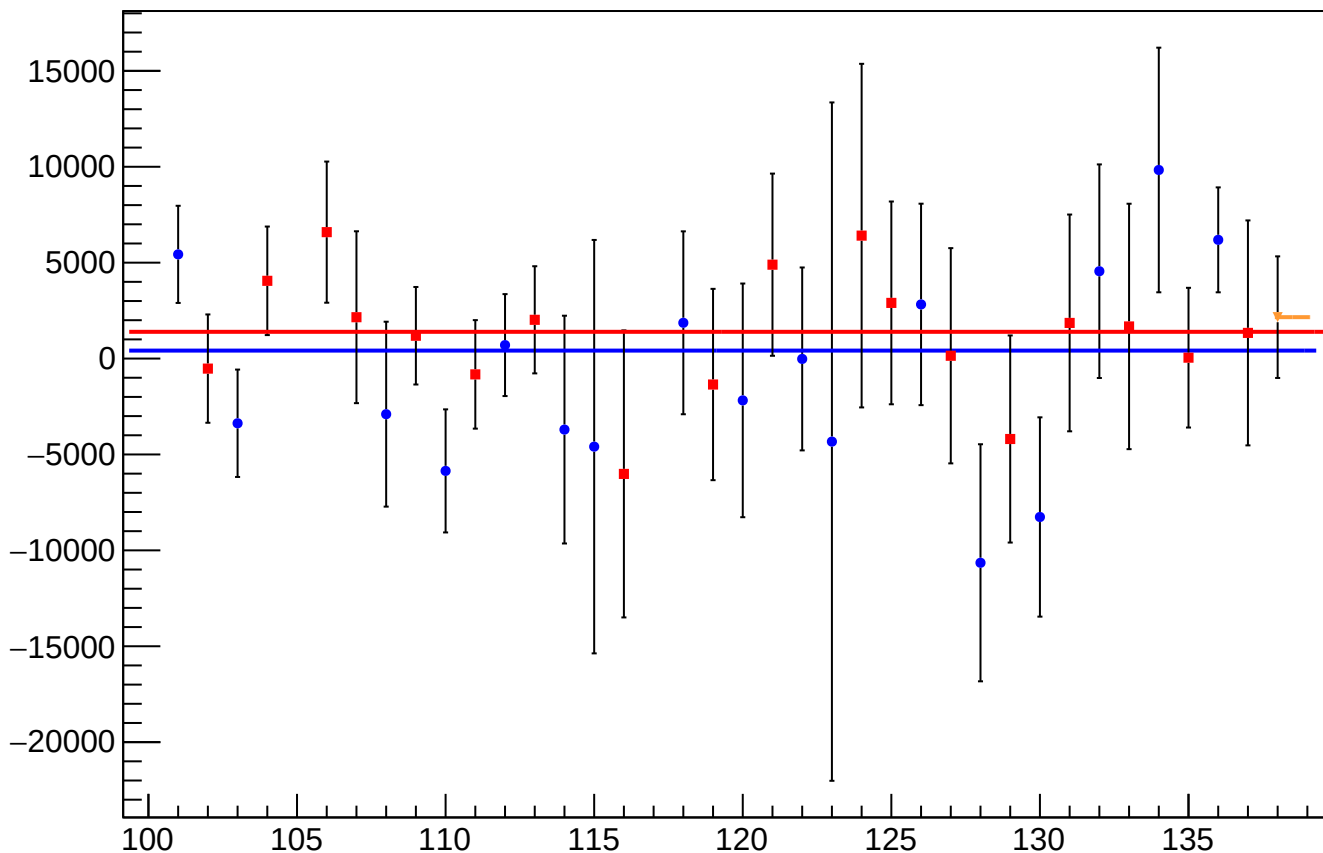
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2529.591+/-0.679  $\chi^2/\text{NDF}$ : 877590.6/17

All: 2446.211+/-0.472  $\chi^2/\text{NDF}$ : 1937702.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam4\_mean vs Slug



Right In: 415.549+/-994.913  $\chi^2/\text{NDF}$ : 24.5/16

Left Out: 2158.430+/-3170.303  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1394.660+/-928.996  $\chi^2/\text{NDF}$ : 7.5/17

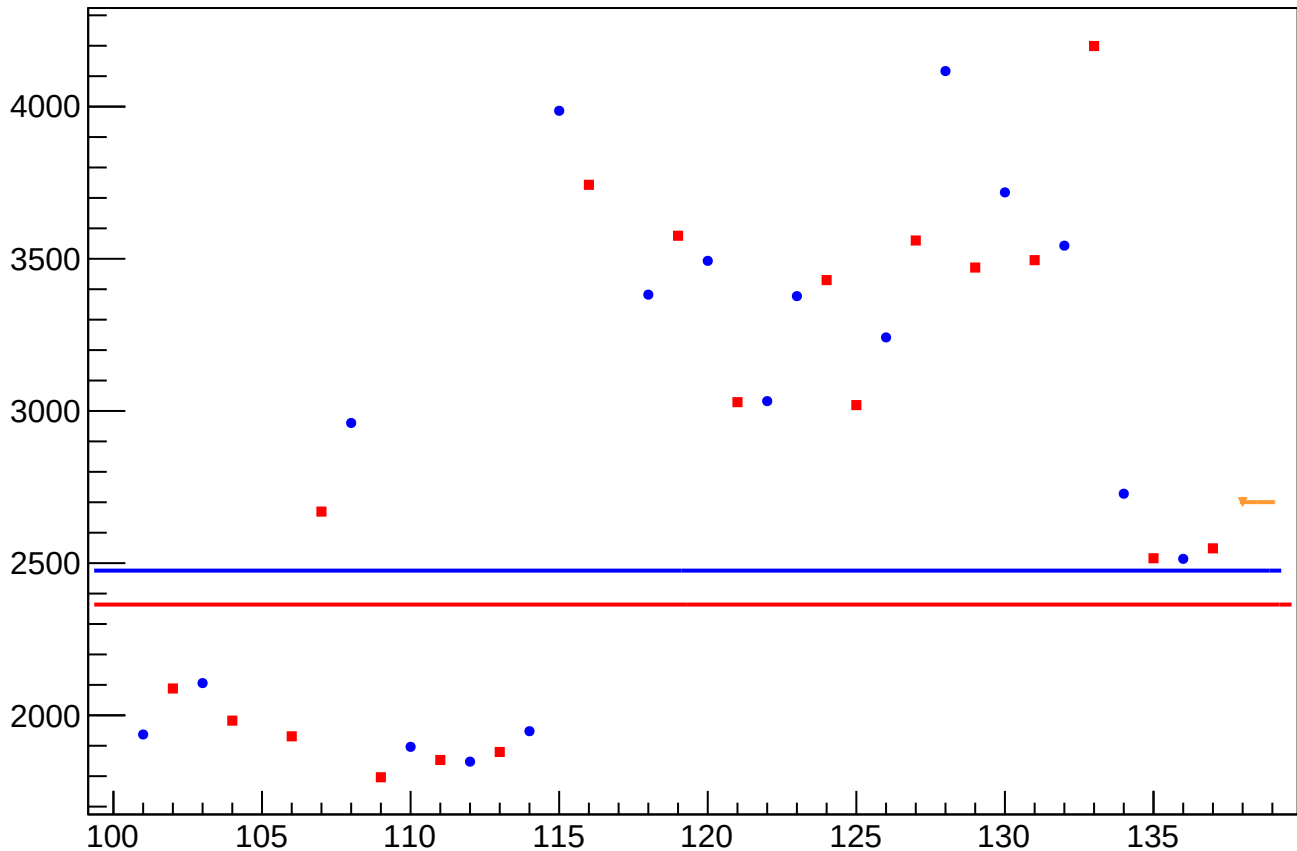
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 571.807+/-949.266  $\chi^2/\text{NDF}$ : 24.8/17

All: 992.113+/-663.950  $\chi^2/\text{NDF}$ : 32.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam4\_rms vs Slug



Right In:  $2475.435 \pm 0.704$   $\chi^2/\text{NDF}$ : 913073.5/16

Left Out:  $2700.423 \pm 2.242$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $2363.907 \pm 0.657$   $\chi^2/\text{NDF}$ : 1026875.6/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

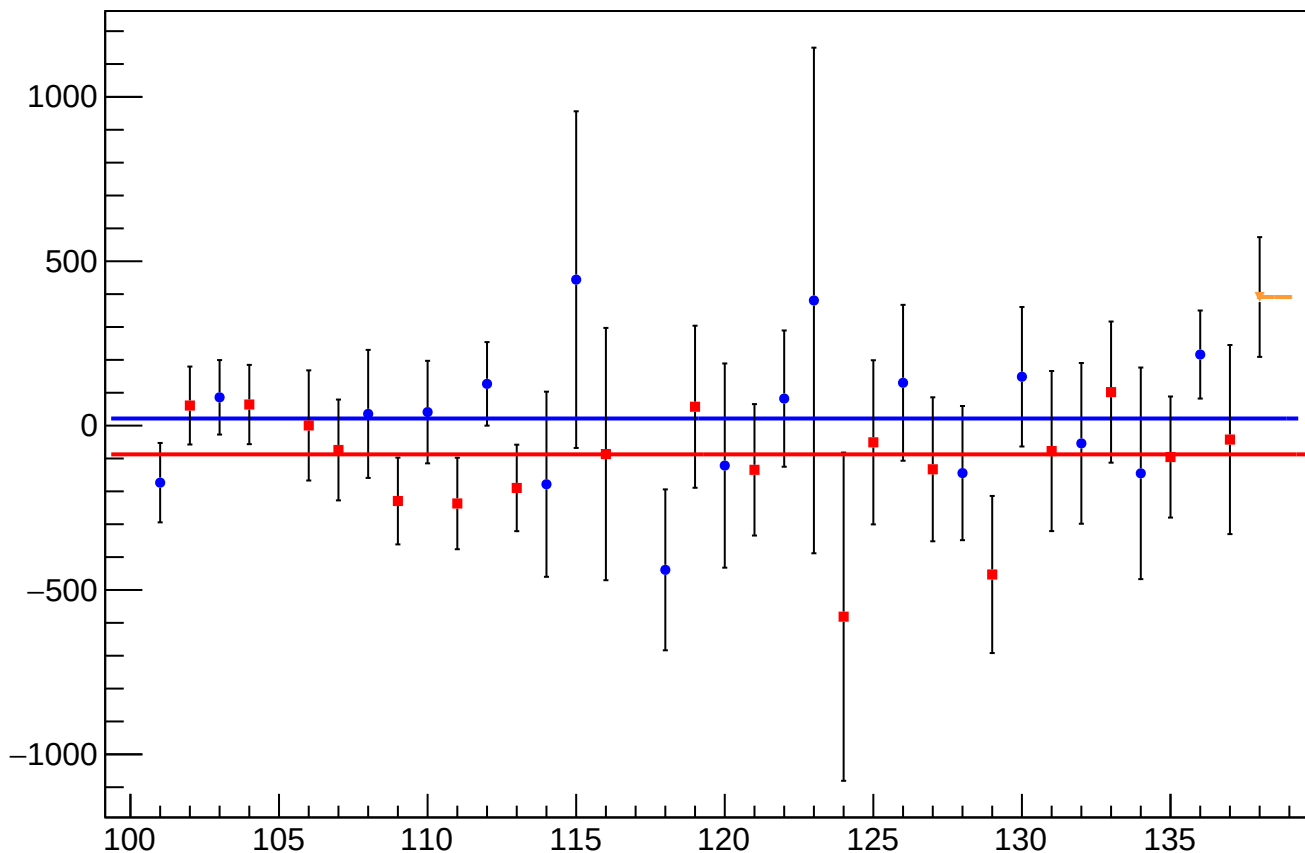
+ sign  $2495.606 \pm 0.671$   $\chi^2/\text{NDF}$ : 922243.2/17

All:  $2428.335 \pm 0.469$   $\chi^2/\text{NDF}$ : 1968782.3/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam5\_mean vs Slug



Right In: 21.649 $\pm$ 45.157  $\chi^2$ /NDF: 12.6/16

Left Out: 391.230 $\pm$ 182.170  $\chi^2$ /NDF: 0.0/0

Right Out: -87.439 $\pm$ 41.826  $\chi^2$ /NDF: 10.9/17

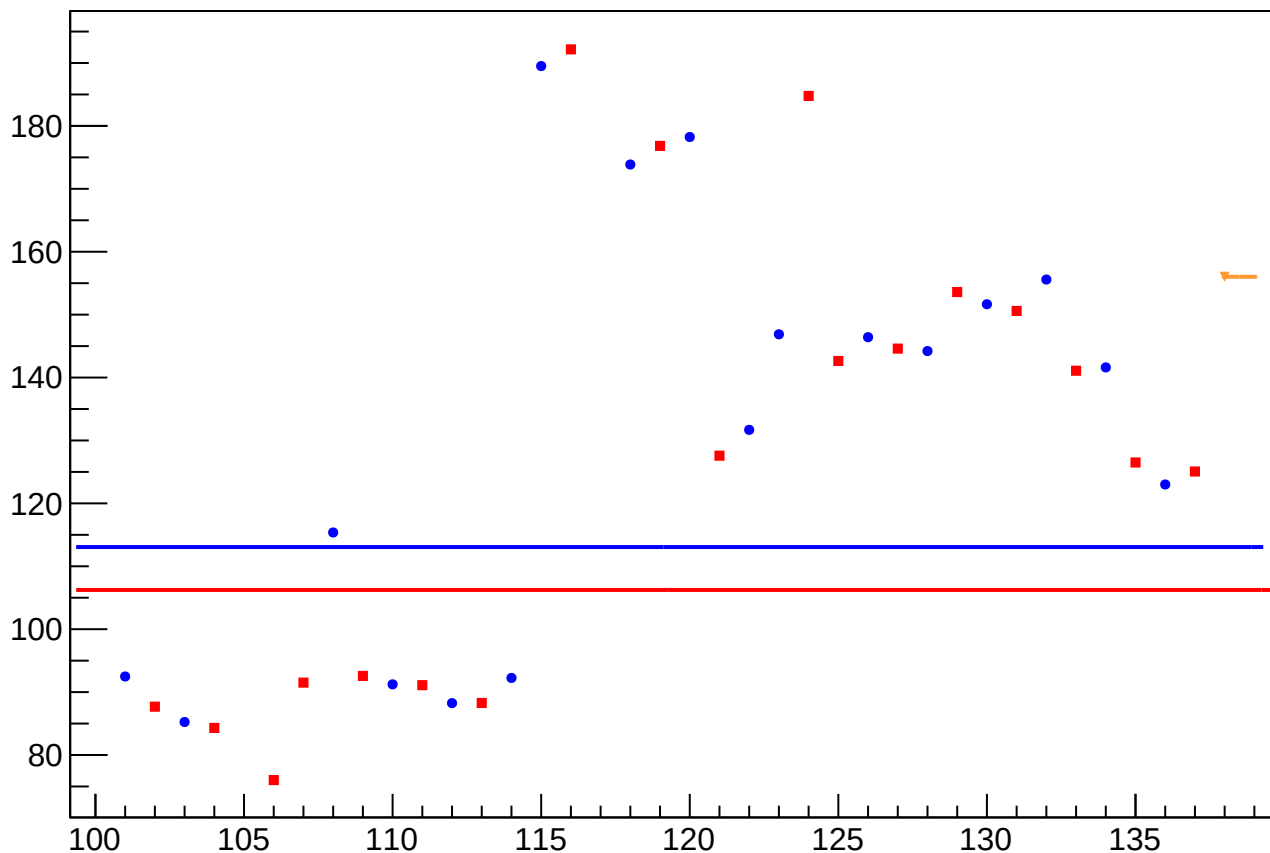
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 43.043 $\pm$ 43.830  $\chi^2$ /NDF: 16.5/17

All: -25.249 $\pm$ 30.259  $\chi^2$ /NDF: 32.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam5\_rms vs Slug



Right In: 113.059 $\pm$ 0.032  $\chi^2$ /NDF: 820795.9/16

Left Out: 156.022 $\pm$ 0.129  $\chi^2$ /NDF: 0.0/0

Right Out: 106.240 $\pm$ 0.030  $\chi^2$ /NDF: 951702.9/17

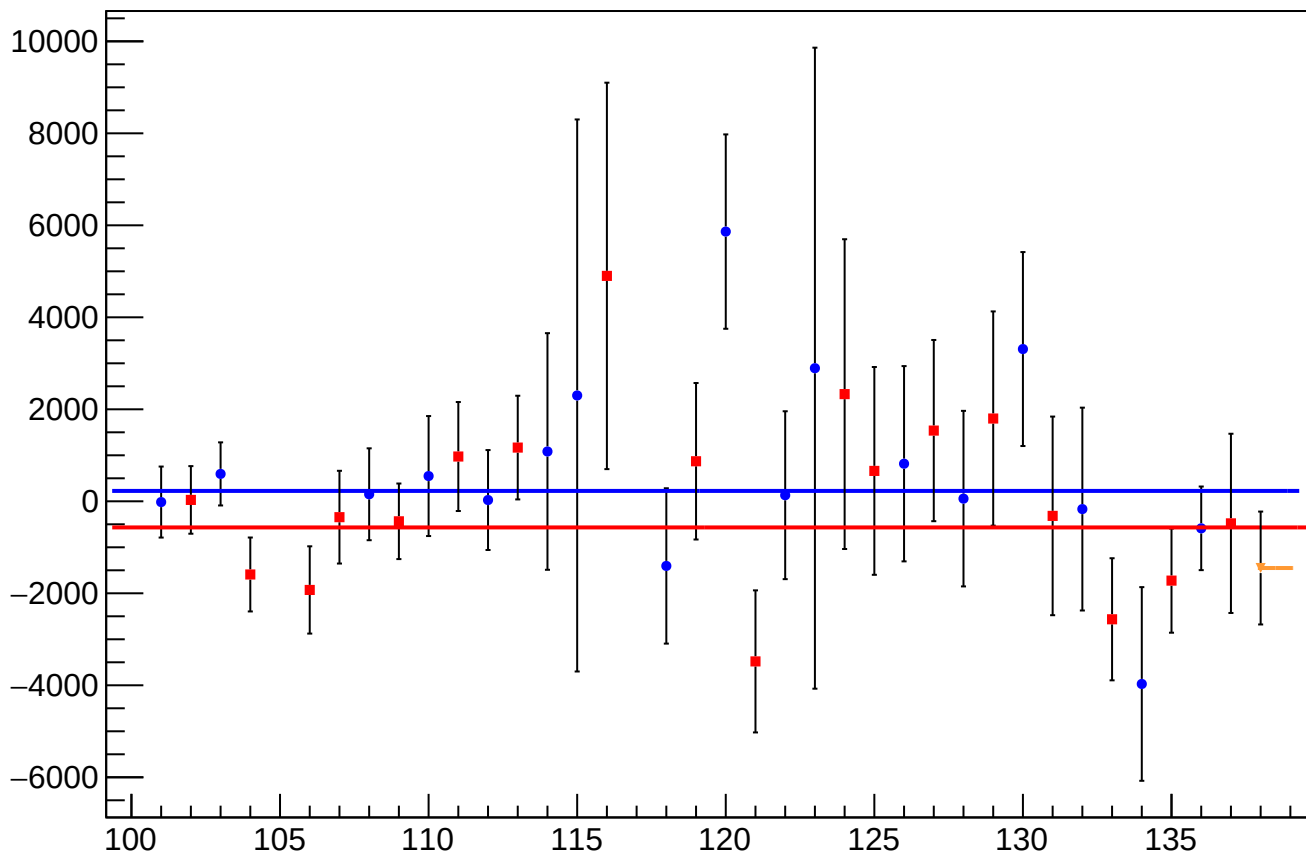
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 115.546 $\pm$ 0.031  $\chi^2$ /NDF: 925597.1/17

All: 110.675 $\pm$ 0.021  $\chi^2$ /NDF: 1924483.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam5\_correction\_mean vs Slug



Right In: 225.635+/-321.412  $\chi^2/\text{NDF}$ : 16.0/16

Left Out: -1450.554+/-1227.163  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -568.109+/-290.500  $\chi^2/\text{NDF}$ : 21.0/17

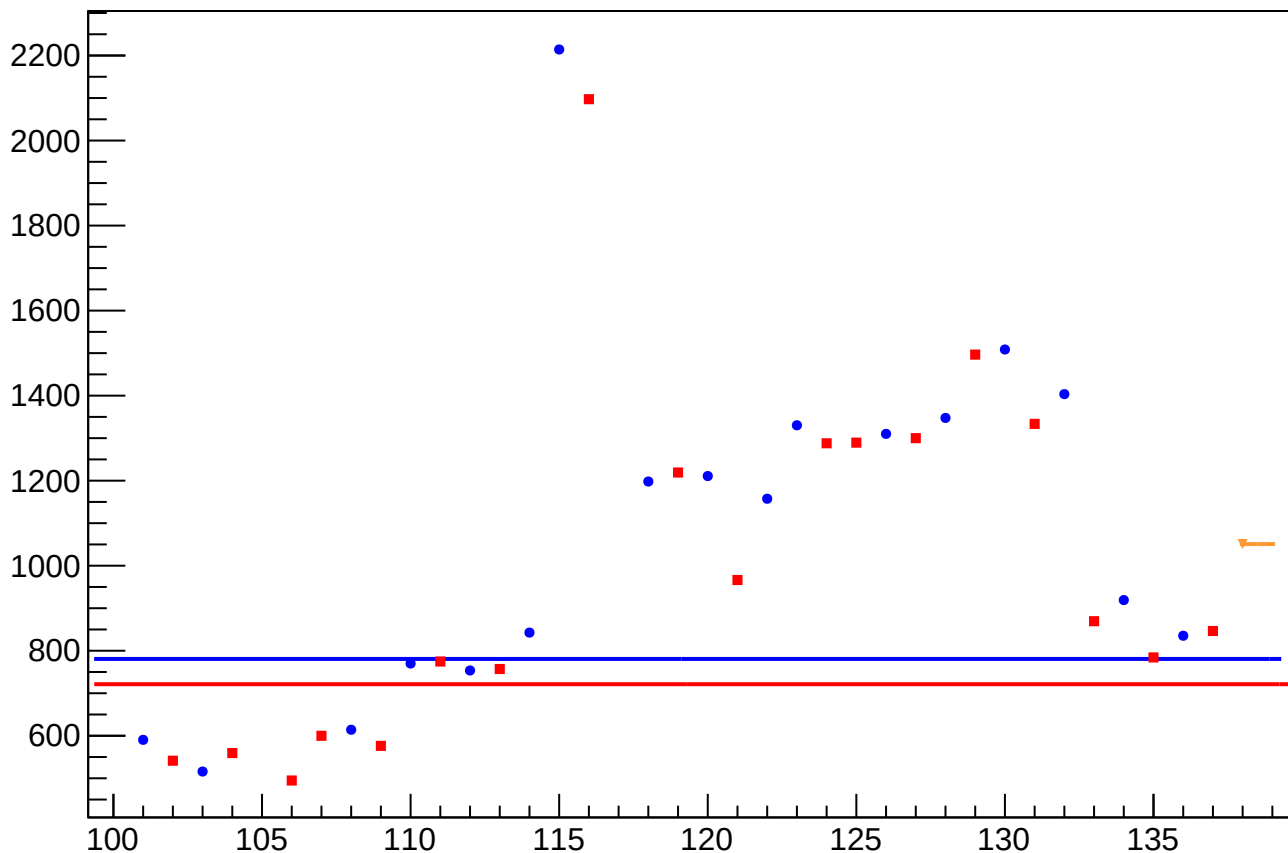
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 118.031+/-310.924  $\chi^2/\text{NDF}$ : 17.7/17

All: -248.313+/-212.268  $\chi^2/\text{NDF}$ : 41.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam5\_correction\_rms vs Slug



Right In: 780.700 $\pm$ 0.227  $\chi^2$ /NDF: 1609510.2/16

Left Out: 1050.909 $\pm$ 0.868  $\chi^2$ /NDF:0.0/0

Right Out: 721.264 $\pm$ 0.205  $\chi^2$ /NDF: 1626627.9/17

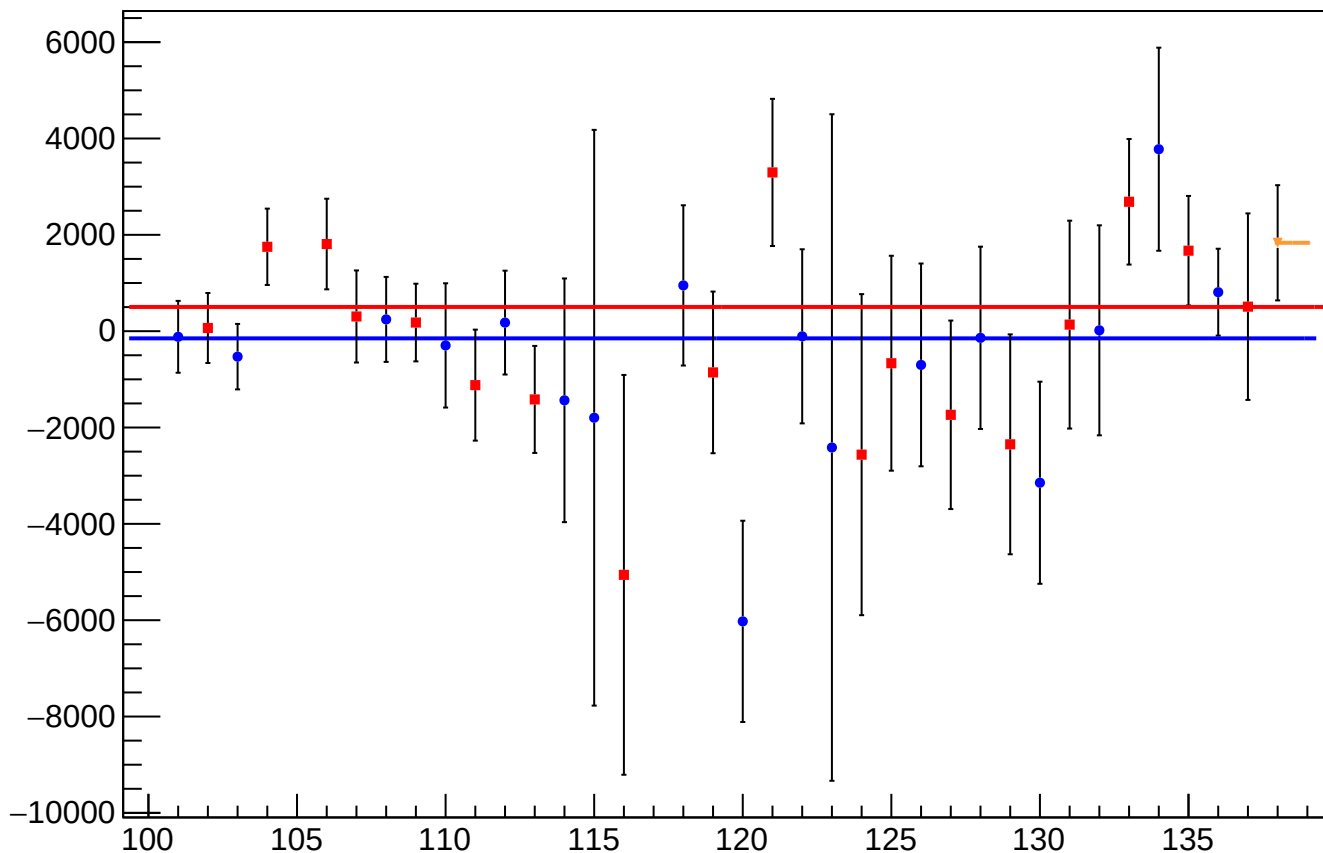
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 798.046 $\pm$ 0.220  $\chi^2$ /NDF: 1700252.3/17

All: 757.050 $\pm$ 0.150  $\chi^2$ /NDF: 3392001.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam5\_mean vs Slug



Right In: -149.163+/-312.963  $\chi^2/\text{NDF}$ : 16.1/16

Left Out: 1834.626+/-1196.127  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 503.162+/-285.781  $\chi^2/\text{NDF}$ : 23.6/17

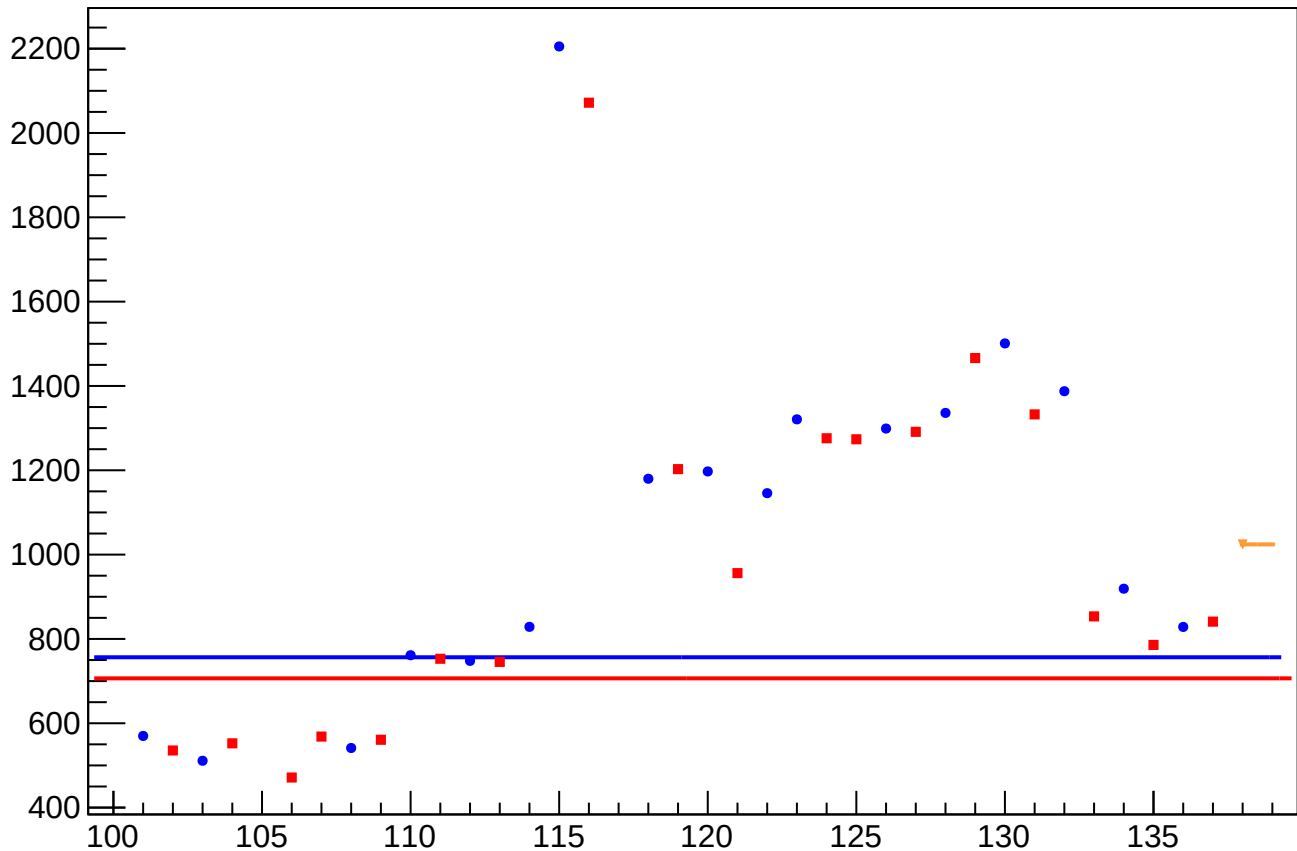
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -22.056+/-302.771  $\chi^2/\text{NDF}$ : 18.7/17

All: 255.702+/-207.825  $\chi^2/\text{NDF}$ : 43.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam5\_rms vs Slug



Right In: 756.539+/-0.221  $\chi^2/\text{NDF}$ : 1713642.0/16

Left Out: 1024.234+/-0.846  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 706.550+/-0.202  $\chi^2/\text{NDF}$ : 1670007.9/17

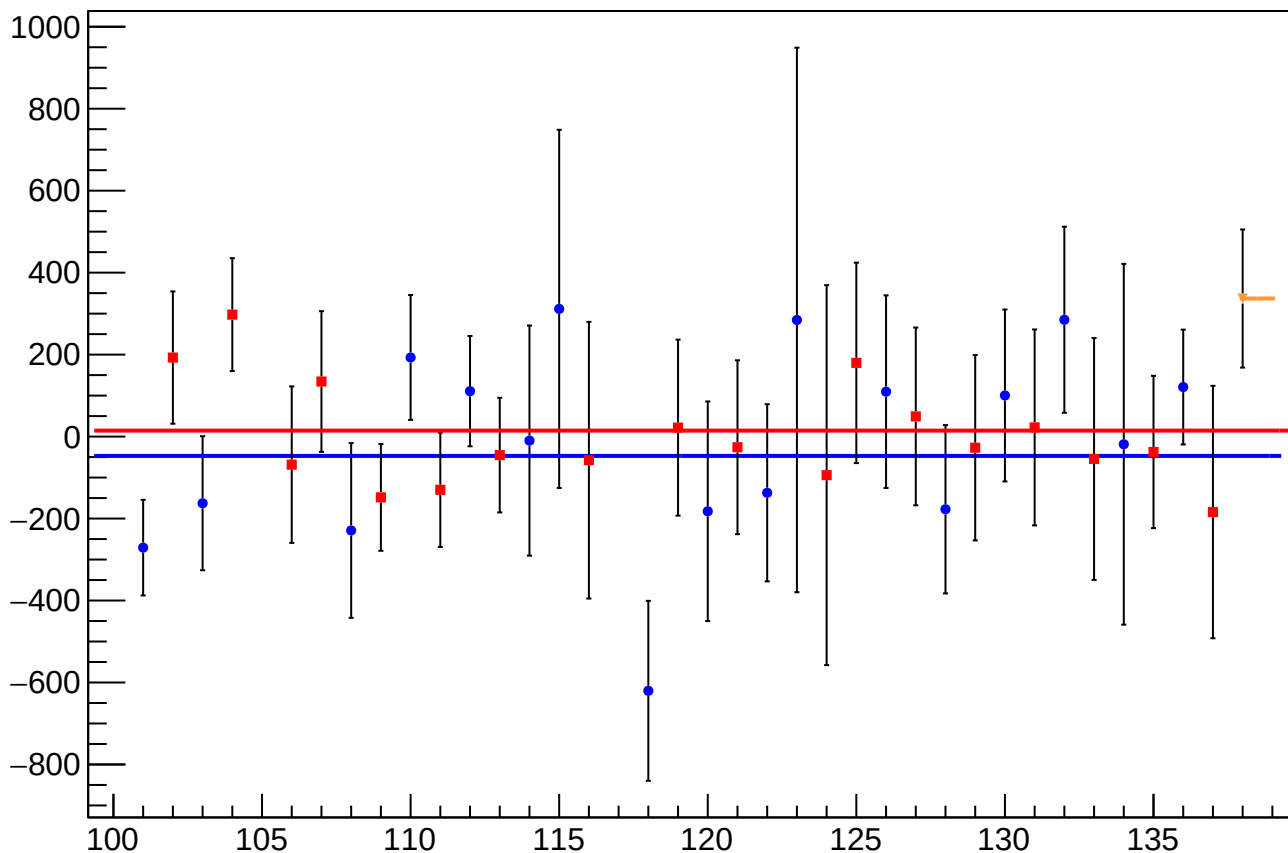
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 773.691+/-0.214  $\chi^2/\text{NDF}$ : 1807398.0/17

All: 738.184+/-0.147  $\chi^2/\text{NDF}$ : 3529417.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam6\_mean vs Slug



Right In:  $-47.157 \pm 47.269$   $\chi^2/\text{NDF}$ : 21.9/16

Left Out:  $336.863 \pm 168.494$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $14.620 \pm 44.849$   $\chi^2/\text{NDF}$ : 10.1/17

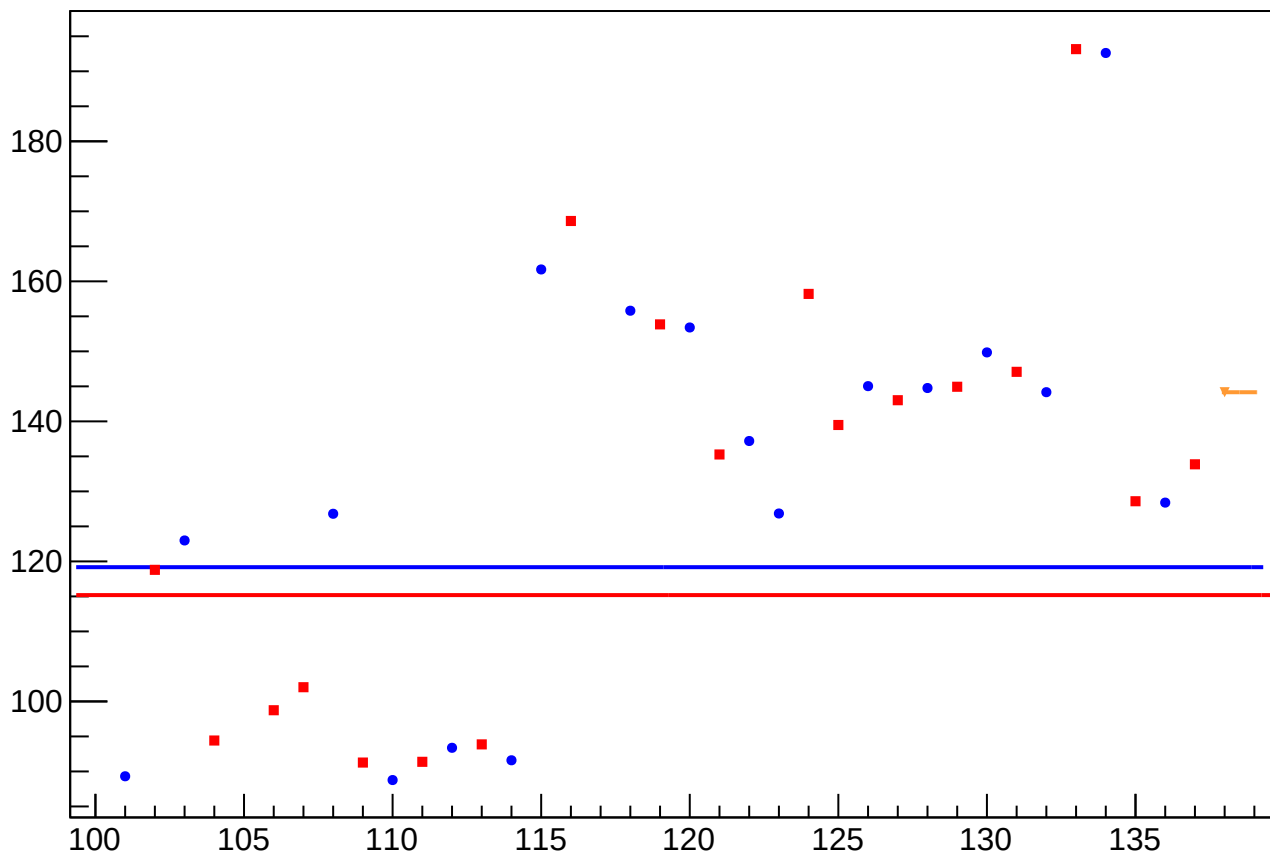
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-19.140 \pm 45.512$   $\chi^2/\text{NDF}$ : 26.7/17

All:  $-2.012 \pm 31.945$   $\chi^2/\text{NDF}$ : 37.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam6\_rms vs Slug



Right In: 119.175+/-0.033  $\chi^2/\text{NDF}$ : 615304.2/16

Left Out: 144.162+/-0.119  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 115.188+/-0.032  $\chi^2/\text{NDF}$ : 675564.7/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

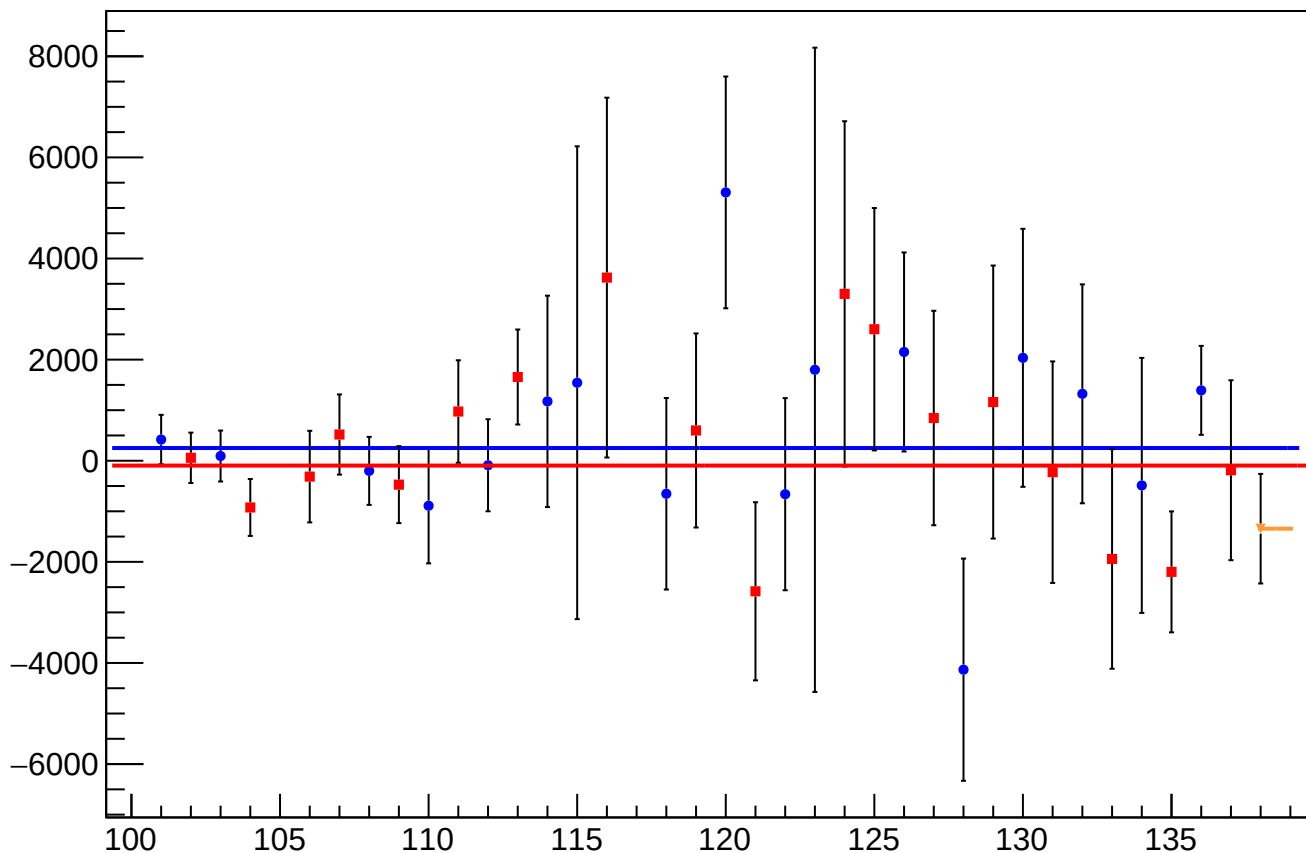
+ sign 120.998+/-0.032  $\chi^2/\text{NDF}$ : 656077.7/17

All: 118.050+/-0.023  $\chi^2/\text{NDF}$ : 1348181.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam6\_correction\_mean vs Slug



Right In: 251.733 $\pm$ 252.819  $\chi^2$ /NDF: 14.9/16

Left Out: -1343.788 $\pm$ 1083.887  $\chi^2$ /NDF: 0.0/0

Right Out: -95.805 $\pm$ 245.748  $\chi^2$ /NDF: 17.5/17

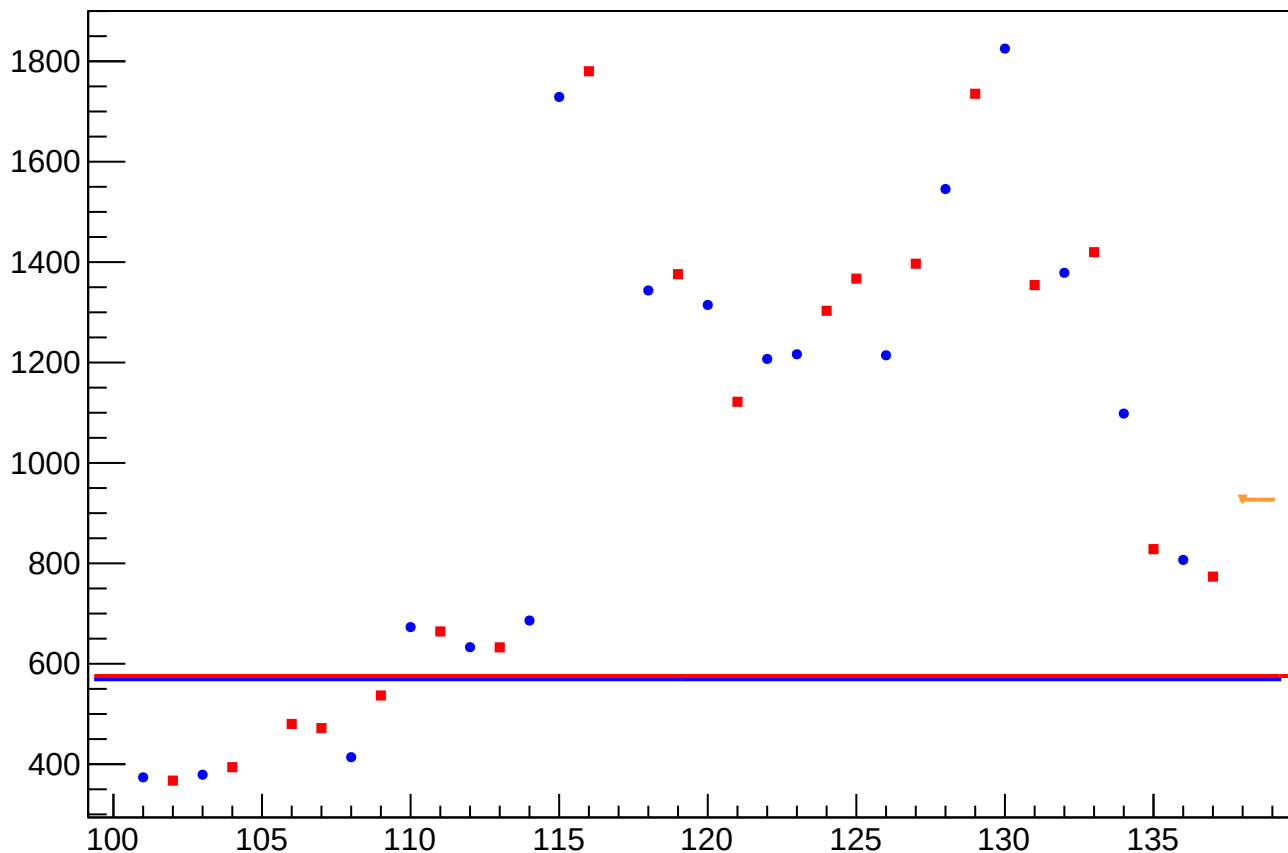
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 169.405 $\pm$ 246.210  $\chi^2$ /NDF: 16.9/17

All: 36.551 $\pm$ 173.933  $\chi^2$ /NDF: 35.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam6\_correction\_rms vs Slug



Right In: 569.200+/-0.179  $\chi^2/\text{NDF}$ : 3267047.1/16

Left Out: 926.897+/-0.766  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 575.584+/-0.174  $\chi^2/\text{NDF}$ : 3058273.5/17

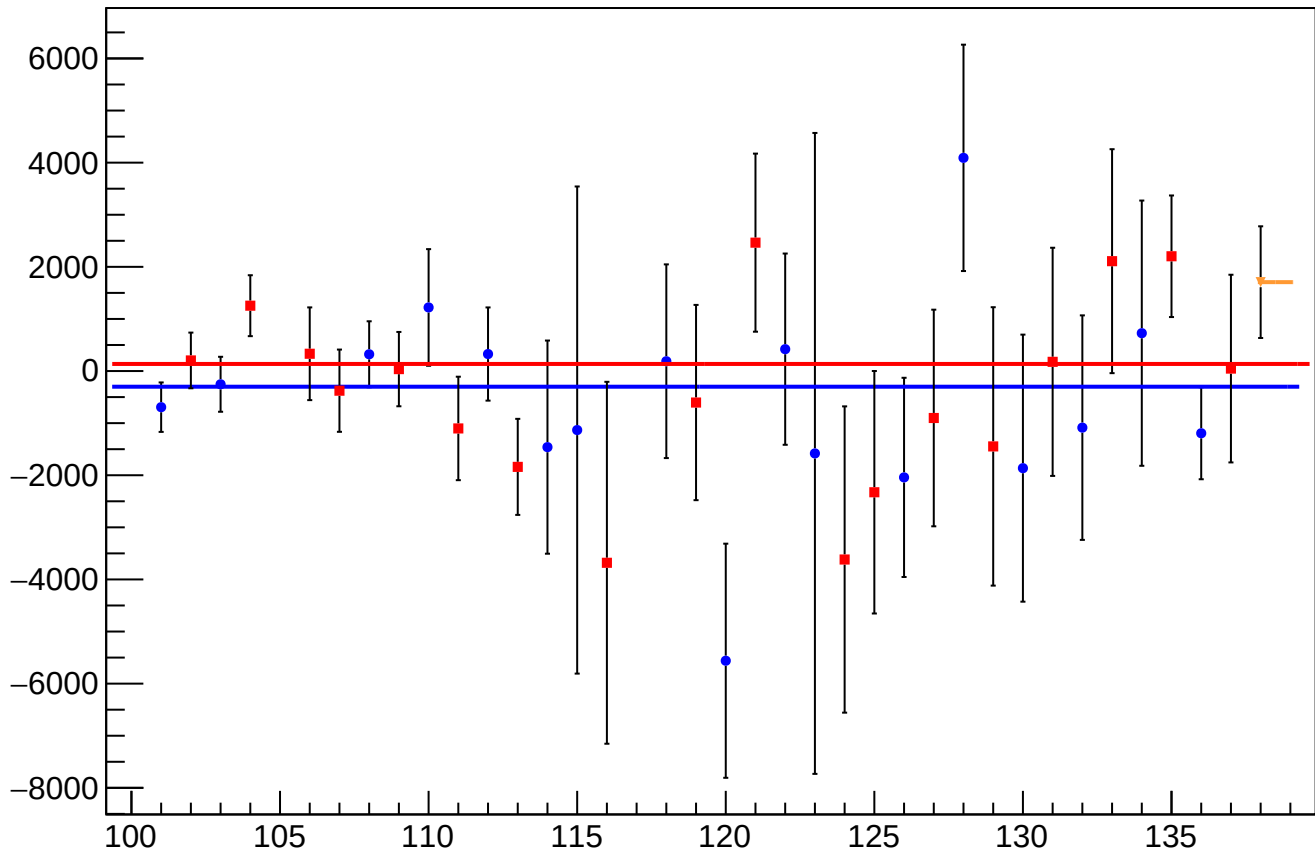
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 587.657+/-0.174  $\chi^2/\text{NDF}$ : 3473626.4/17

All: 581.609+/-0.123  $\chi^2/\text{NDF}$ : 6534308.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam6\_mean vs Slug



Right In:  $-300.652 \pm 250.302$   $\chi^2/\text{NDF}$ : 16.7/16

Left Out:  $1706.383 \pm 1071.778$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $136.107 \pm 247.692$   $\chi^2/\text{NDF}$ : 20.9/17

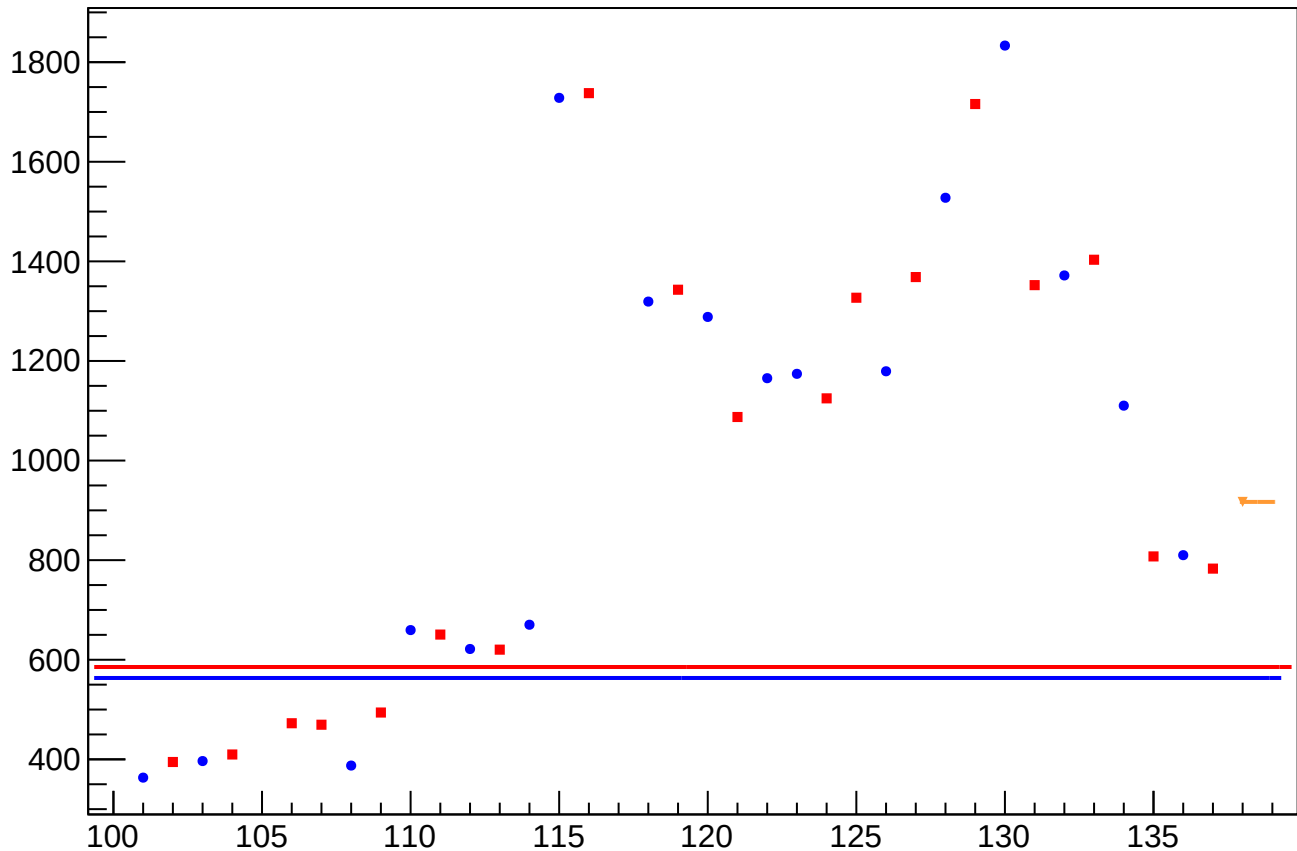
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-196.849 \pm 243.744$   $\chi^2/\text{NDF}$ : 20.0/17

All:  $-33.046 \pm 173.732$   $\chi^2/\text{NDF}$ : 41.8/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam6\_rms vs Slug



Right In: 563.393+/-0.177  $\chi^2/\text{NDF}$ : 3259045.7/16

Left Out: 916.949+/-0.758  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 585.438+/-0.175  $\chi^2/\text{NDF}$ : 2818143.7/17

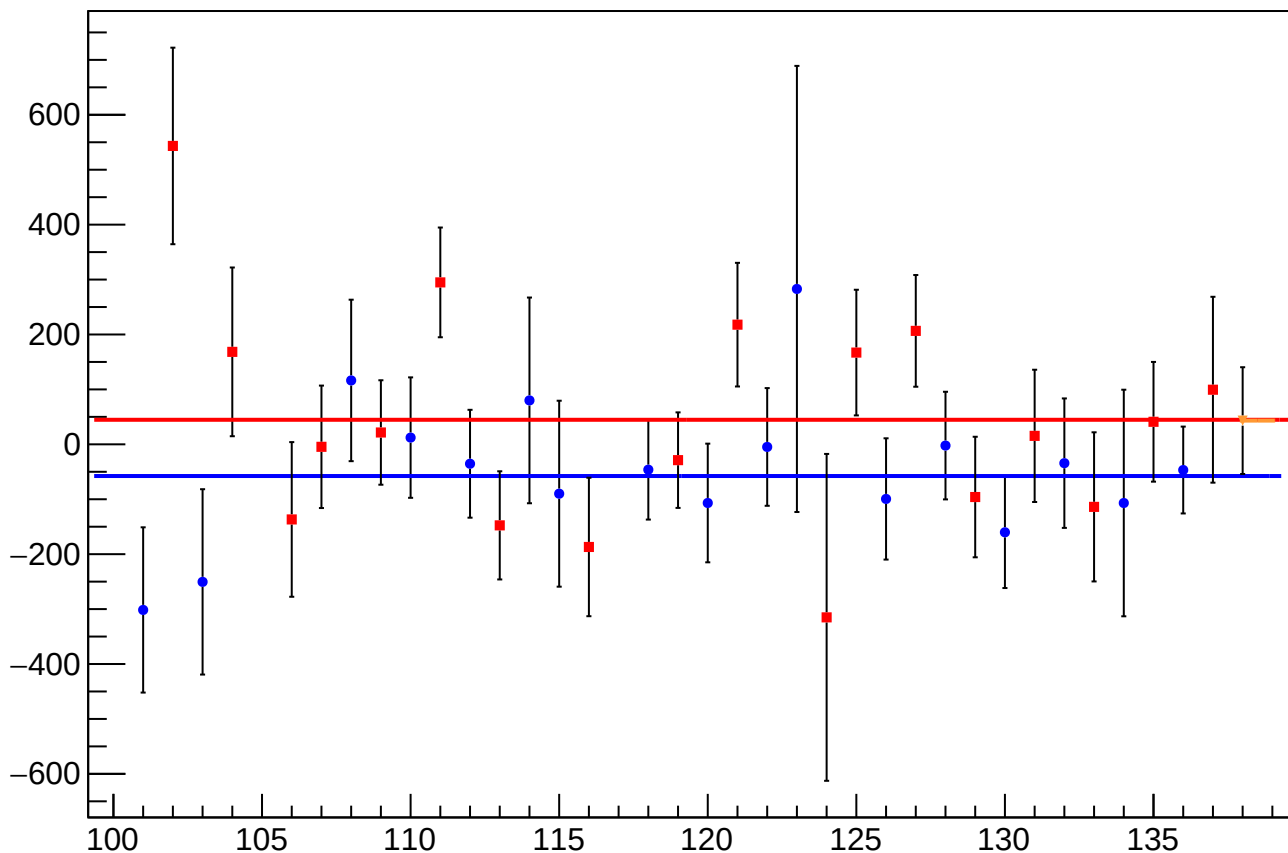
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 581.679+/-0.172  $\chi^2/\text{NDF}$ : 3465428.9/17

All: 583.529+/-0.123  $\chi^2/\text{NDF}$ : 6283806.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam7\_mean vs Slug



Right In: -57.709 $\pm$ 28.693  $\chi^2$ /NDF: 9.1/16

Left Out: 43.203 $\pm$ 97.187  $\chi^2$ /NDF: 0.0/0

Right Out: 44.693 $\pm$ 27.711  $\chi^2$ /NDF: 35.2/17

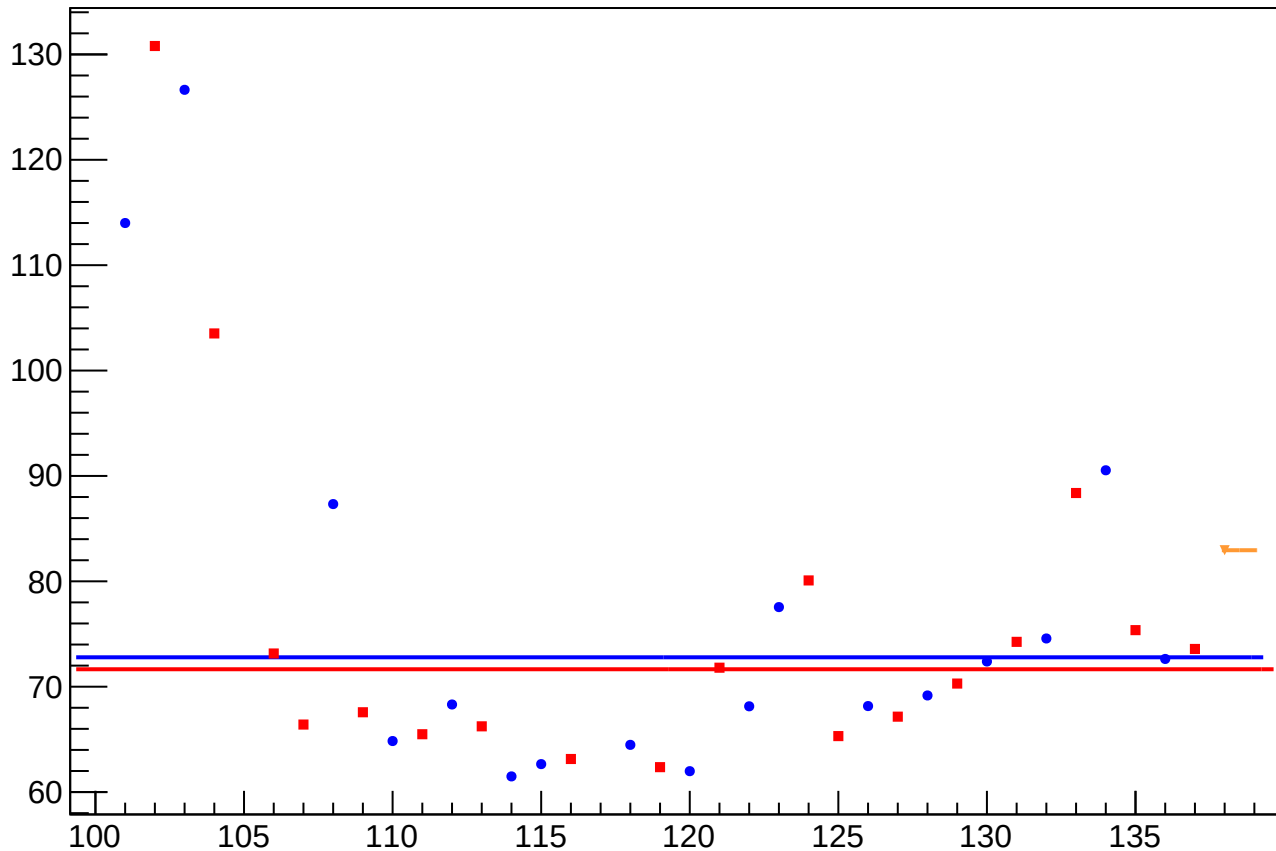
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -49.618 $\pm$ 27.519  $\chi^2$ /NDF: 10.1/17

All: -2.791 $\pm$ 19.526  $\chi^2$ /NDF: 51.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam7\_rms vs Slug



Right In: 72.790 $\pm$ 0.020  $\chi^2$ /NDF: 464772.9/16

Left Out: 82.951 $\pm$ 0.069  $\chi^2$ /NDF: 0.0/0

Right Out: 71.655 $\pm$ 0.020  $\chi^2$ /NDF: 404376.9/17

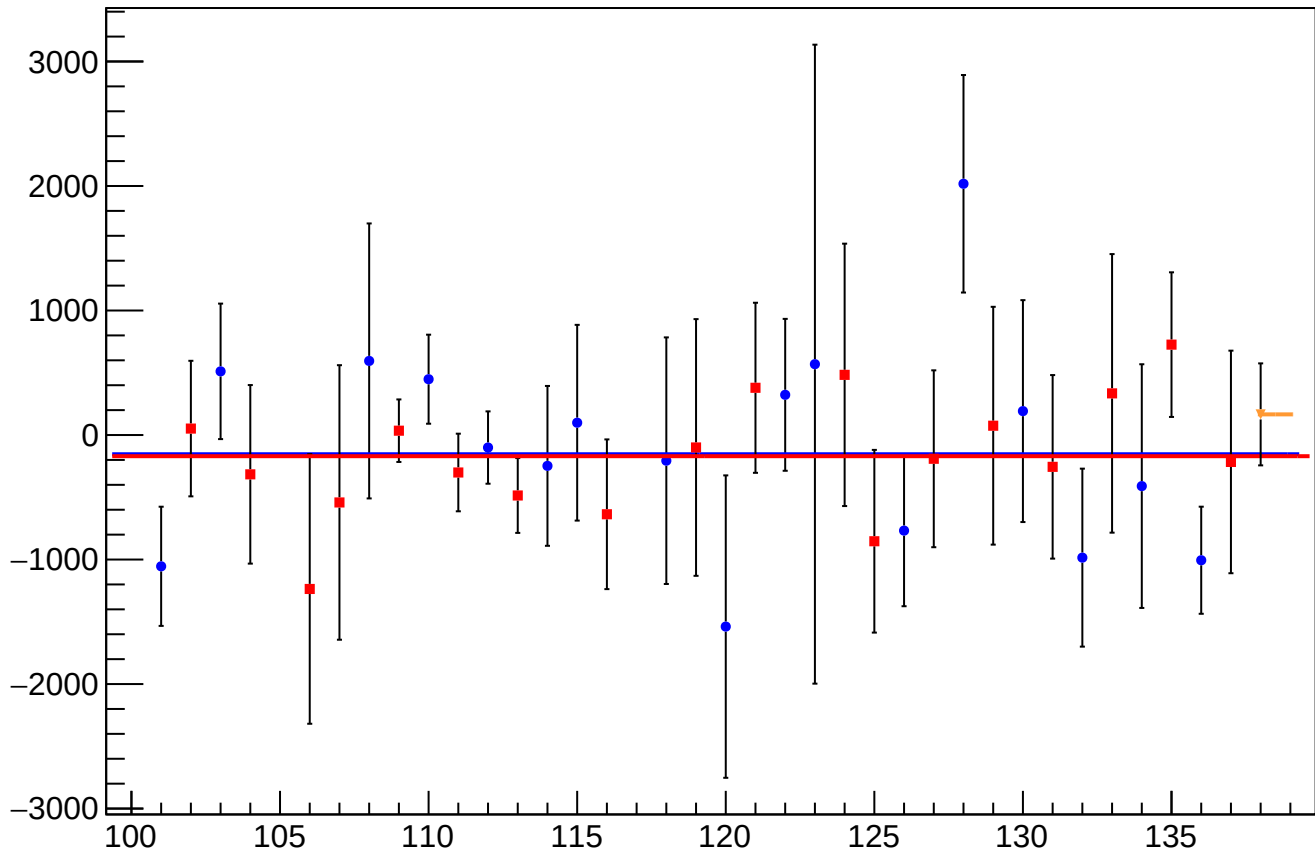
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 73.604 $\pm$ 0.019  $\chi^2$ /NDF: 484881.3/17

All: 72.637 $\pm$ 0.014  $\chi^2$ /NDF: 894240.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam7\_correction\_mean vs Slug



Right In:  $-154.404 \pm 140.700$   $\chi^2/\text{NDF}$ : 23.2/16

Left Out:  $165.864 \pm 409.566$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-170.028 \pm 126.220$   $\chi^2/\text{NDF}$ : 8.4/17

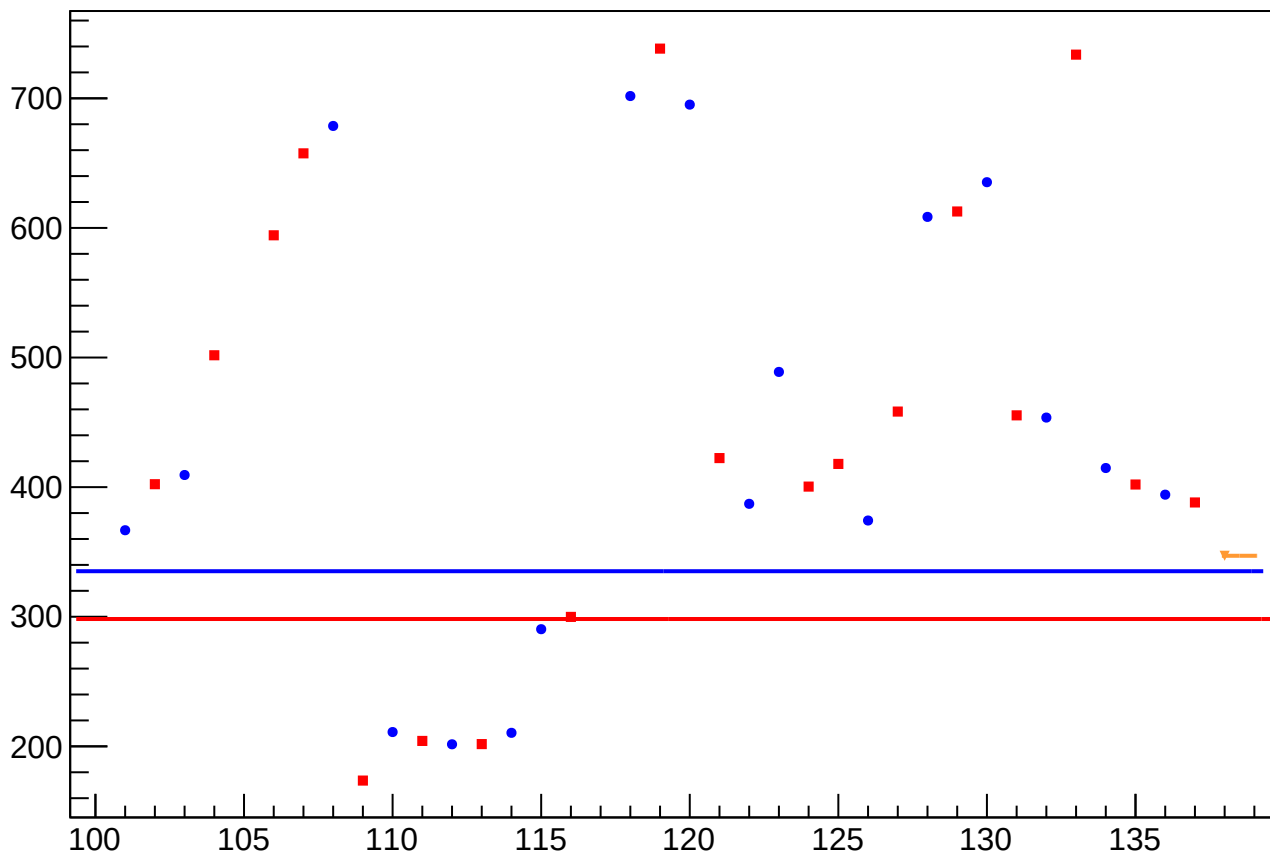
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-120.597 \pm 133.067$   $\chi^2/\text{NDF}$ : 23.7/17

All:  $-146.617 \pm 91.576$   $\chi^2/\text{NDF}$ : 32.2/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam7\_correction\_rms vs Slug



Right In: 335.134+/-0.099  $\chi^2/\text{NDF}$ : 1994045.2/16

Left Out: 347.042+/-0.290  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 298.253+/-0.089  $\chi^2/\text{NDF}$ : 2776555.9/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

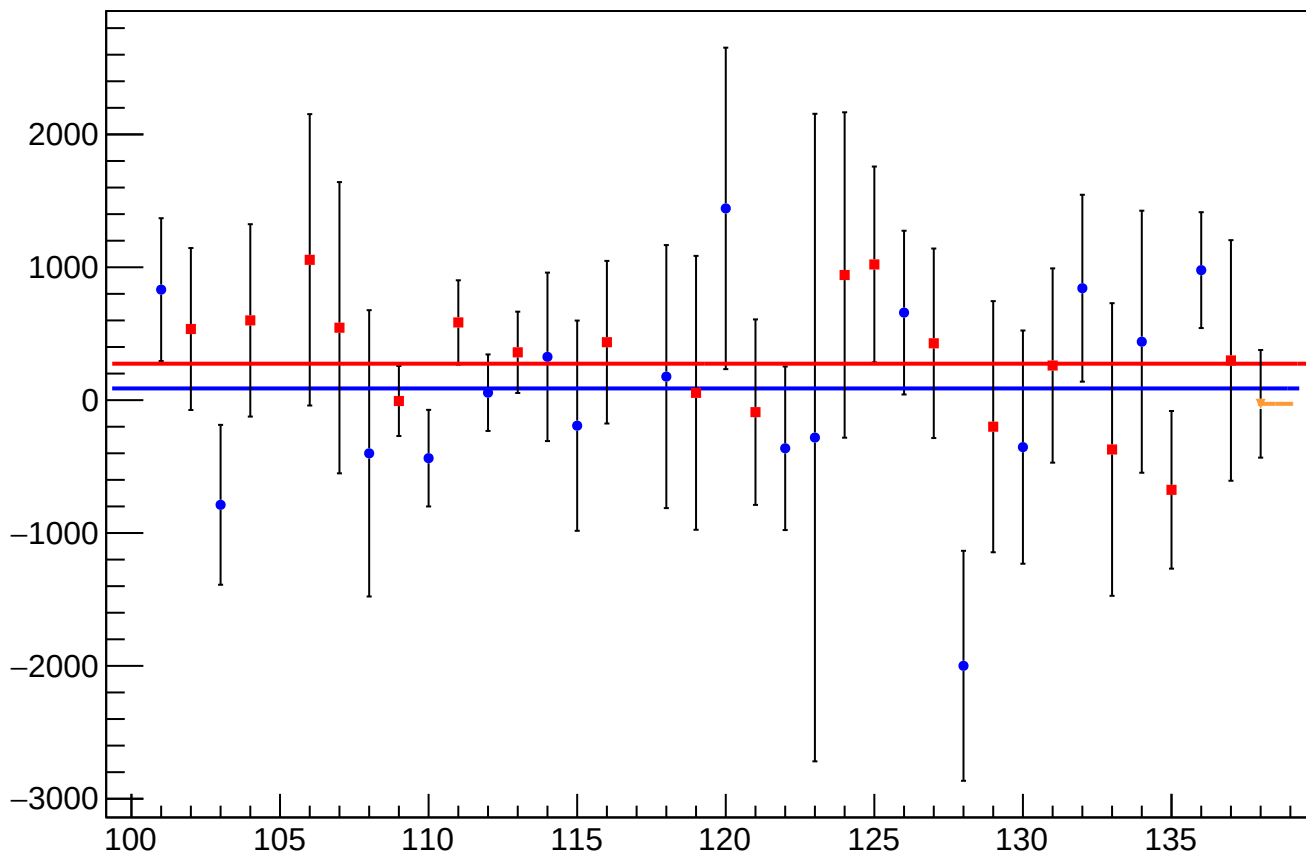
+ sign 336.391+/-0.094  $\chi^2/\text{NDF}$ : 1995557.4/17

All: 316.316+/-0.065  $\chi^2/\text{NDF}$ : 4858591.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam7\_mean vs Slug



Right In: 88.115 $\pm$ 143.018  $\chi^2$ /NDF: 20.8/16

Left Out: -27.745 $\pm$ 405.009  $\chi^2$ /NDF: 0.0/0

Right Out: 274.340 $\pm$ 129.866  $\chi^2$ /NDF: 8.0/17

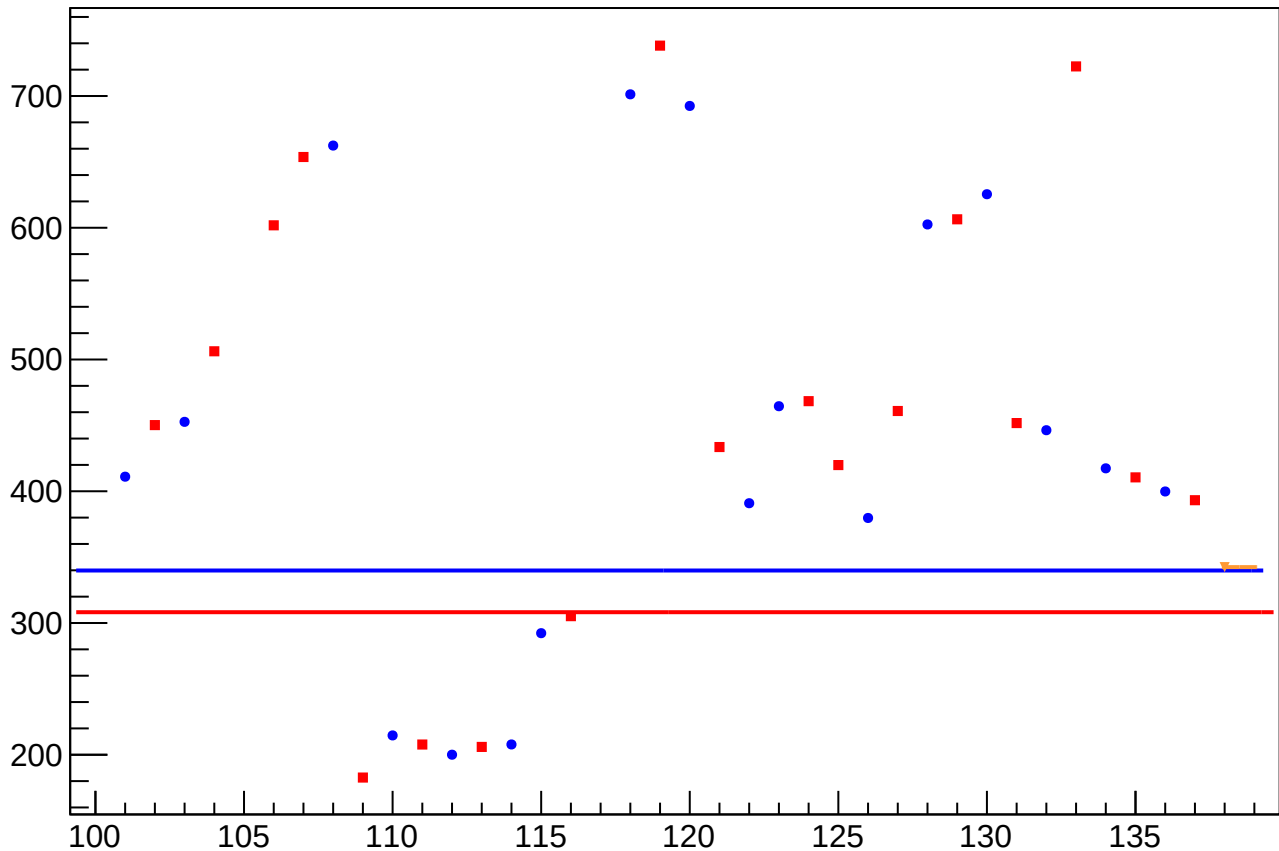
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 75.270 $\pm$ 134.857  $\chi^2$ /NDF: 20.9/17

All: 178.556 $\pm$ 93.544  $\chi^2$ /NDF: 30.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam7\_rms vs Slug



Right In: 339.850+/-0.101  $\chi^2/\text{NDF}$ : 2043522.4/16

Left Out: 342.411+/-0.286  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 308.199+/-0.092  $\chi^2/\text{NDF}$ : 2698828.8/17

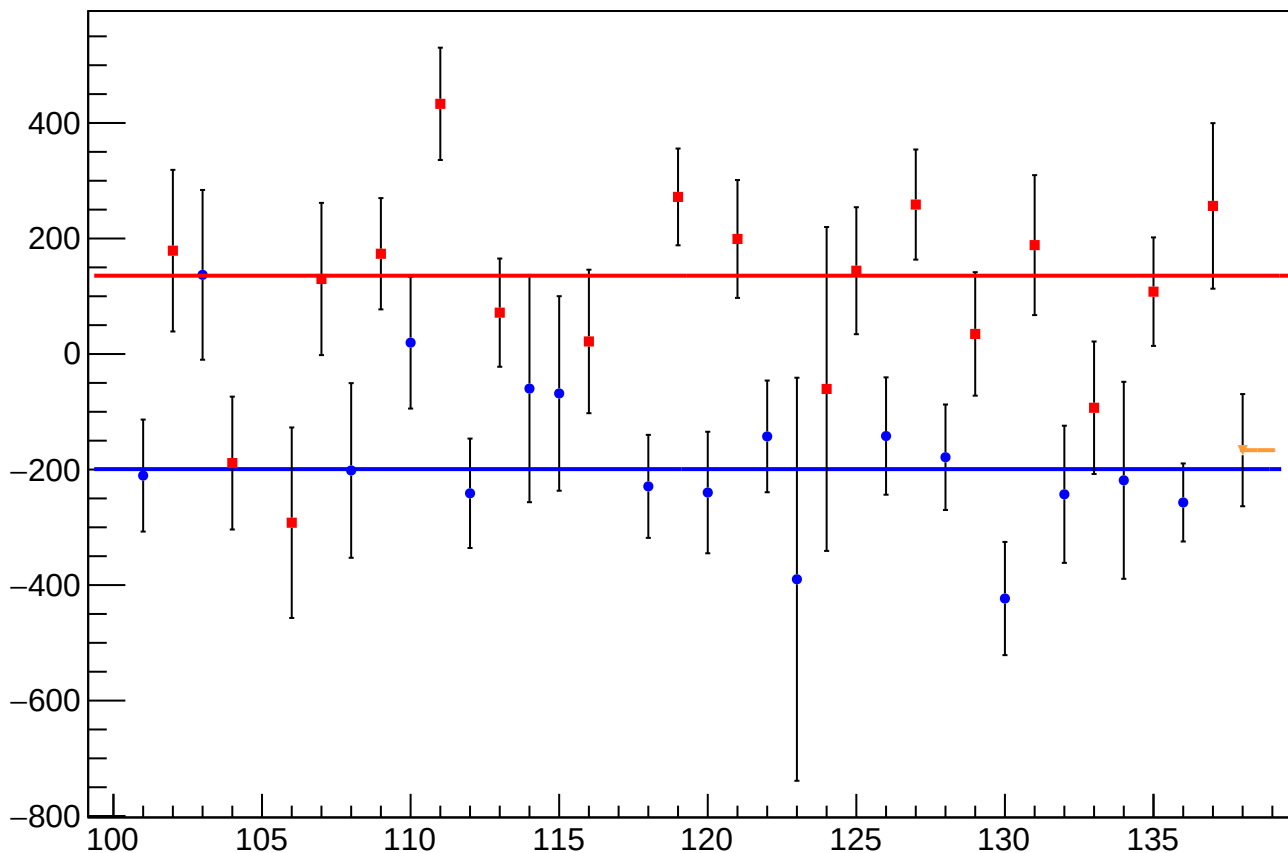
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 340.134+/-0.095  $\chi^2/\text{NDF}$ : 2043593.5/17

All: 323.564+/-0.066  $\chi^2/\text{NDF}$ : 4800612.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam8\_mean vs Slug



Right In:  $-199.252 \pm 26.515$   $\chi^2/\text{NDF}$ : 17.6/16

Left Out:  $-166.439 \pm 97.118$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $135.623 \pm 26.252$   $\chi^2/\text{NDF}$ : 36.7/17

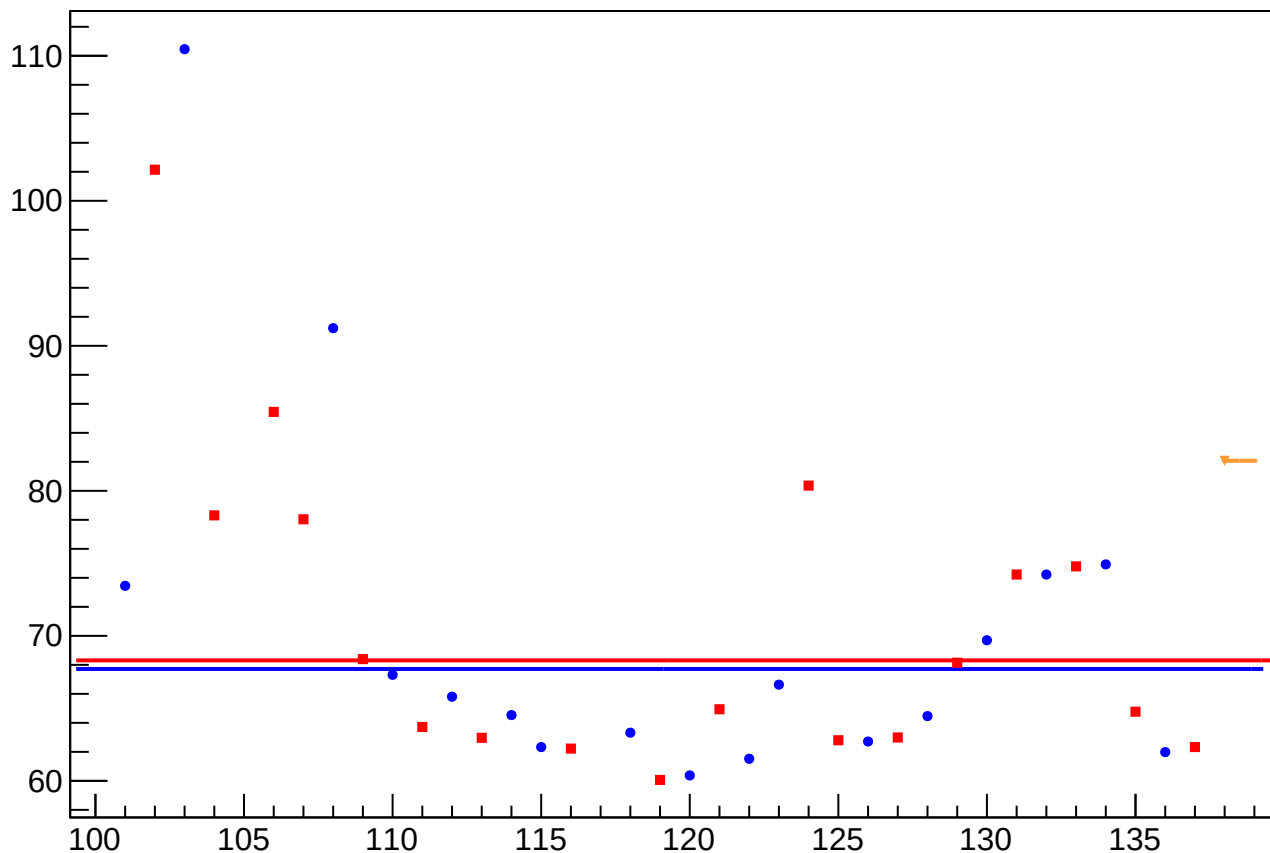
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-196.975 \pm 25.579$   $\chi^2/\text{NDF}$ : 17.7/17

All:  $-34.997 \pm 18.320$   $\chi^2/\text{NDF}$ : 136.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam8\_rms vs Slug



Right In:  $67.715 \pm 0.019$   $\chi^2/\text{NDF}: 282892.5/16$

Left Out:  $82.071 \pm 0.069$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $68.308 \pm 0.019$   $\chi^2/\text{NDF}: 234314.0/17$

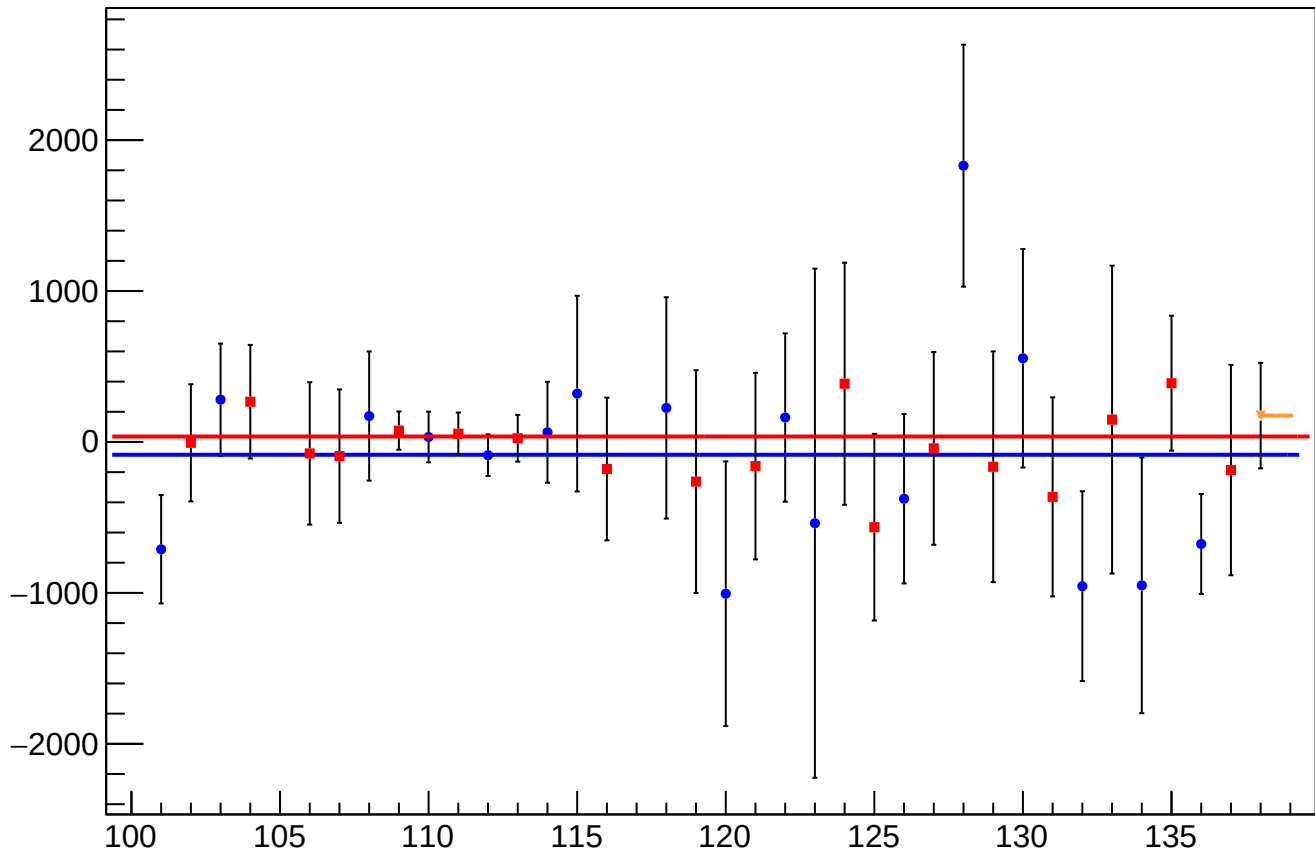
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $68.711 \pm 0.018$   $\chi^2/\text{NDF}: 323562.4/17$

All:  $68.515 \pm 0.013$   $\chi^2/\text{NDF}: 558117.9/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_sam8\_correction\_mean vs Slug



Right In:  $-84.759 \pm 82.667$   $\chi^2/\text{NDF}$ : 19.9/16

Left Out:  $174.837 \pm 349.448$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $36.132 \pm 69.750$   $\chi^2/\text{NDF}$ : 3.4/17

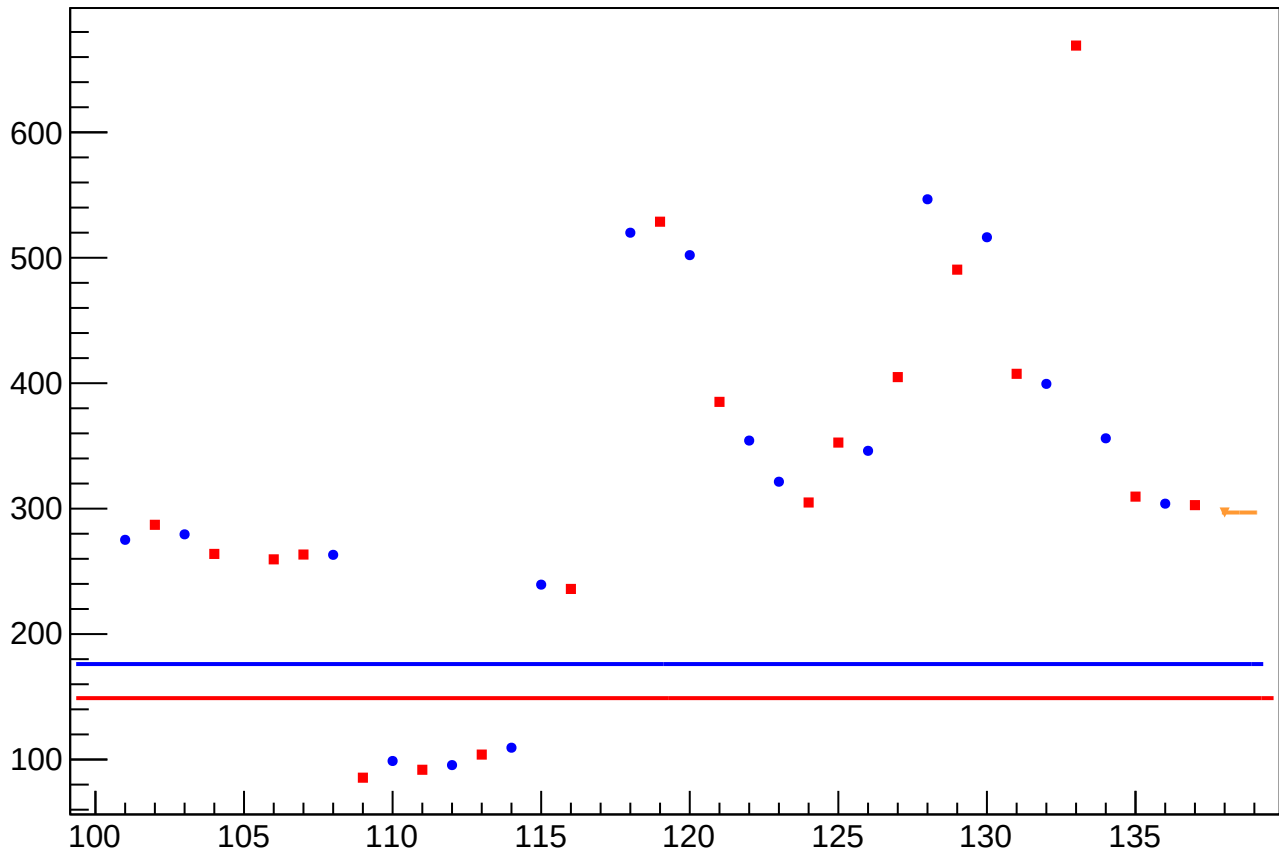
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-71.001 \pm 80.447$   $\chi^2/\text{NDF}$ : 20.4/17

All:  $-9.843 \pm 52.700$   $\chi^2/\text{NDF}$ : 24.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam8\_correction\_rms vs Slug



Right In: 176.096+/-0.058  $\chi^2/\text{NDF}$ : 4223651.6/16

Left Out: 296.913+/-0.247  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 148.932+/-0.049  $\chi^2/\text{NDF}$ : 4770916.6/17

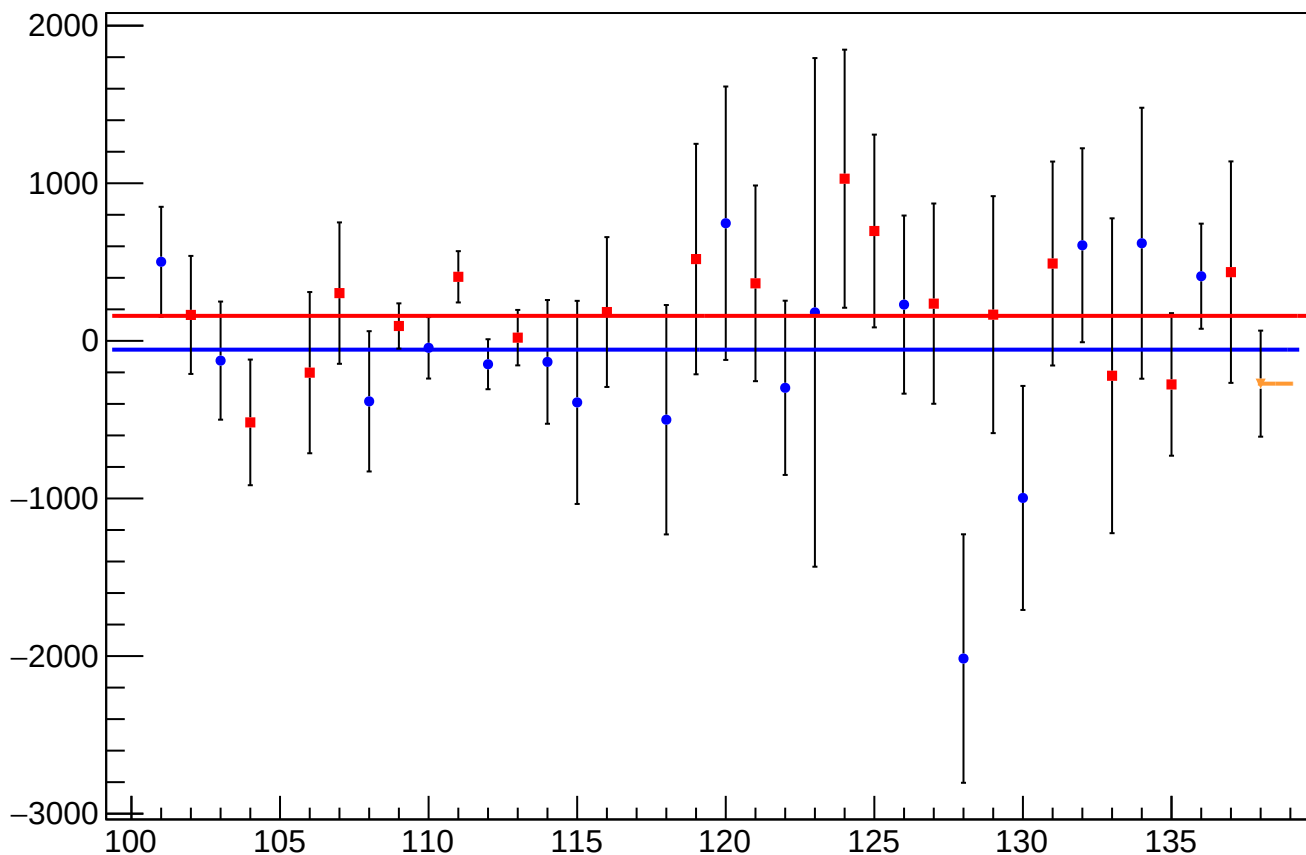
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 182.499+/-0.057  $\chi^2/\text{NDF}$ : 4450047.1/17

All: 163.337+/-0.037  $\chi^2/\text{NDF}$ : 9419746.1/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam8\_mean vs Slug



Right In: -55.724+/-90.572  $\chi^2/\text{NDF}$ : 17.1/16

Left Out: -271.502+/-336.444  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 158.676+/-77.072  $\chi^2/\text{NDF}$ : 10.4/17

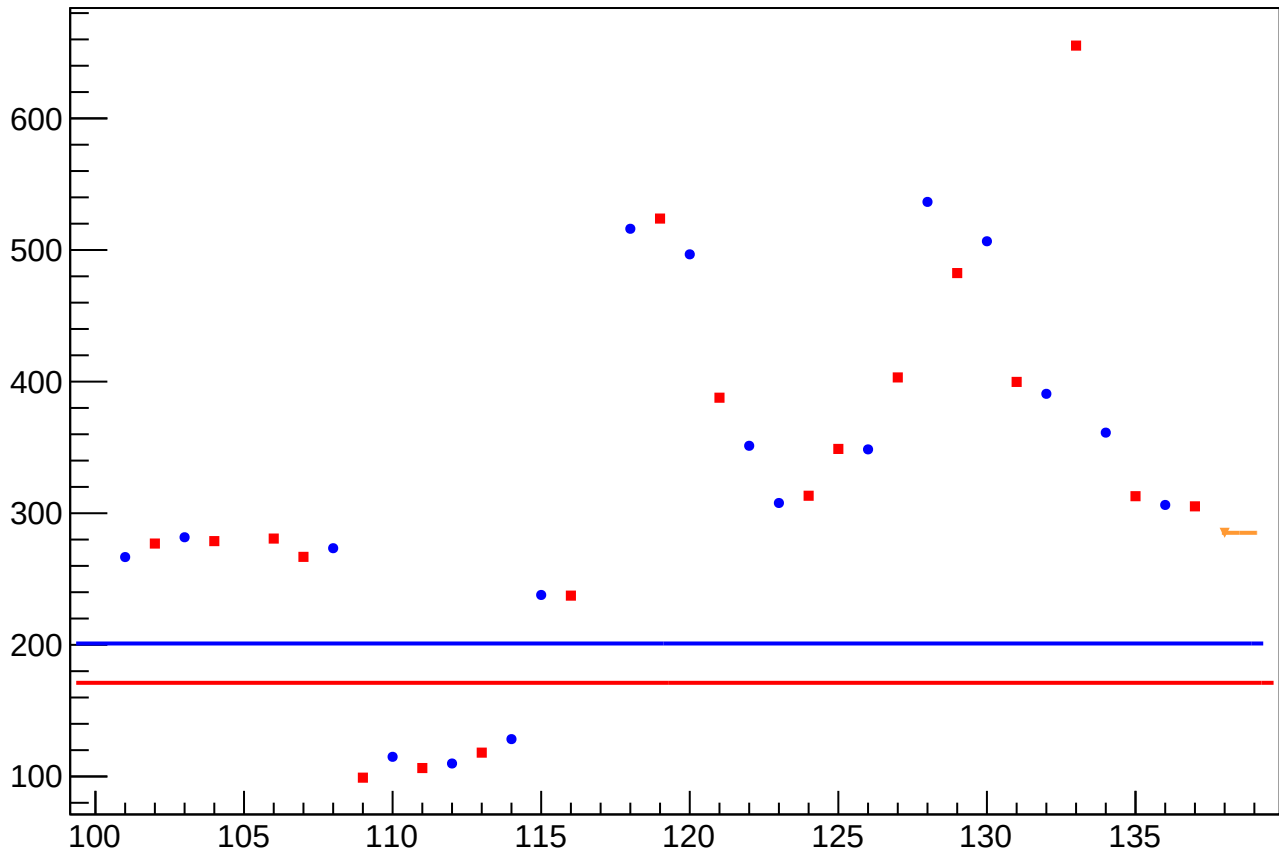
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -70.305+/-87.458  $\chi^2/\text{NDF}$ : 17.5/17

All: 58.583+/-57.823  $\chi^2/\text{NDF}$ : 31.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam8\_rms vs Slug



Right In: 201.036+/-0.064  $\chi^2/\text{NDF}$ : 3433026.4/16

Left Out: 285.129+/-0.238  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 171.159+/-0.054  $\chi^2/\text{NDF}$ : 4065598.7/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

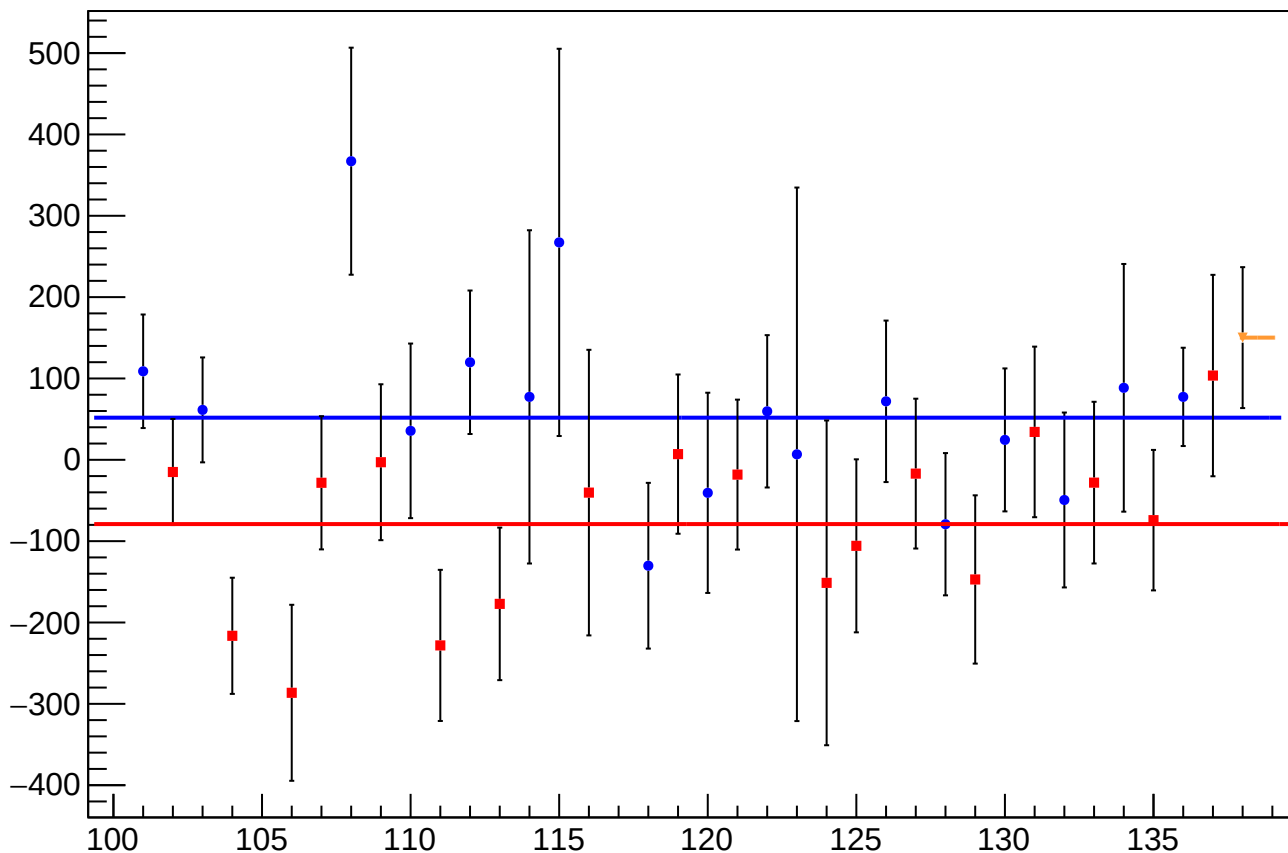
+ sign 206.719+/-0.062  $\chi^2/\text{NDF}$ : 3549529.9/17

All: 186.703+/-0.041  $\chi^2/\text{NDF}$ : 7801234.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam\_15\_avg\_mean vs Slug



Right In: 51.799 $\pm$ 23.538  $\chi^2$ /NDF: 14.5/16

Left Out: 150.216 $\pm$ 86.623  $\chi^2$ /NDF: 0.0/0

Right Out: -79.008 $\pm$ 22.499  $\chi^2$ /NDF: 19.0/17

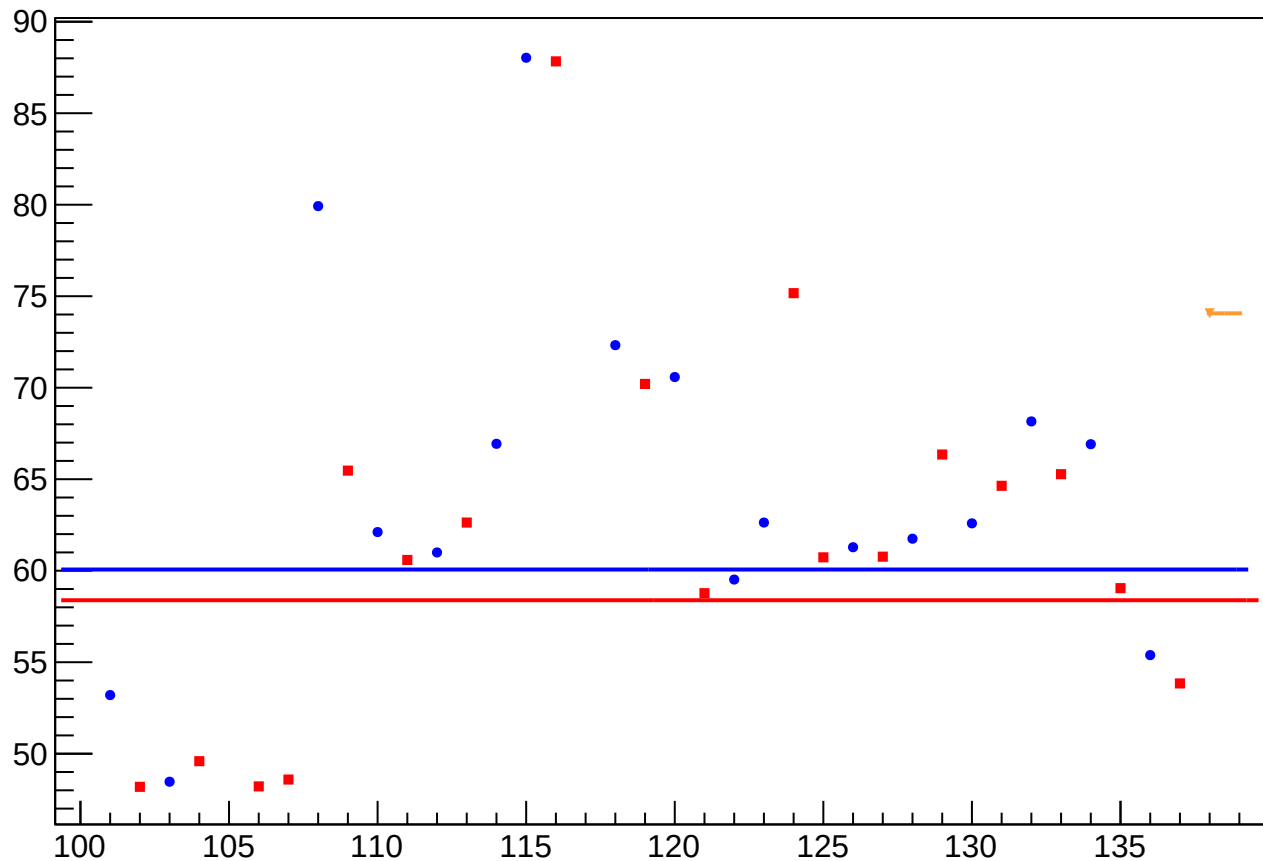
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 58.566 $\pm$ 22.714  $\chi^2$ /NDF: 15.7/17

All: -10.876 $\pm$ 15.985  $\chi^2$ /NDF: 53.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_asym\_sam\_15\_avg\_rms vs Slug



Right In: 60.065 $\pm$ 0.017  $\chi^2$ /NDF: 229098.7/16

Left Out: 74.065 $\pm$ 0.061  $\chi^2$ /NDF:0.0/0

Right Out: 58.387 $\pm$ 0.016  $\chi^2$ /NDF: 275017.2/17

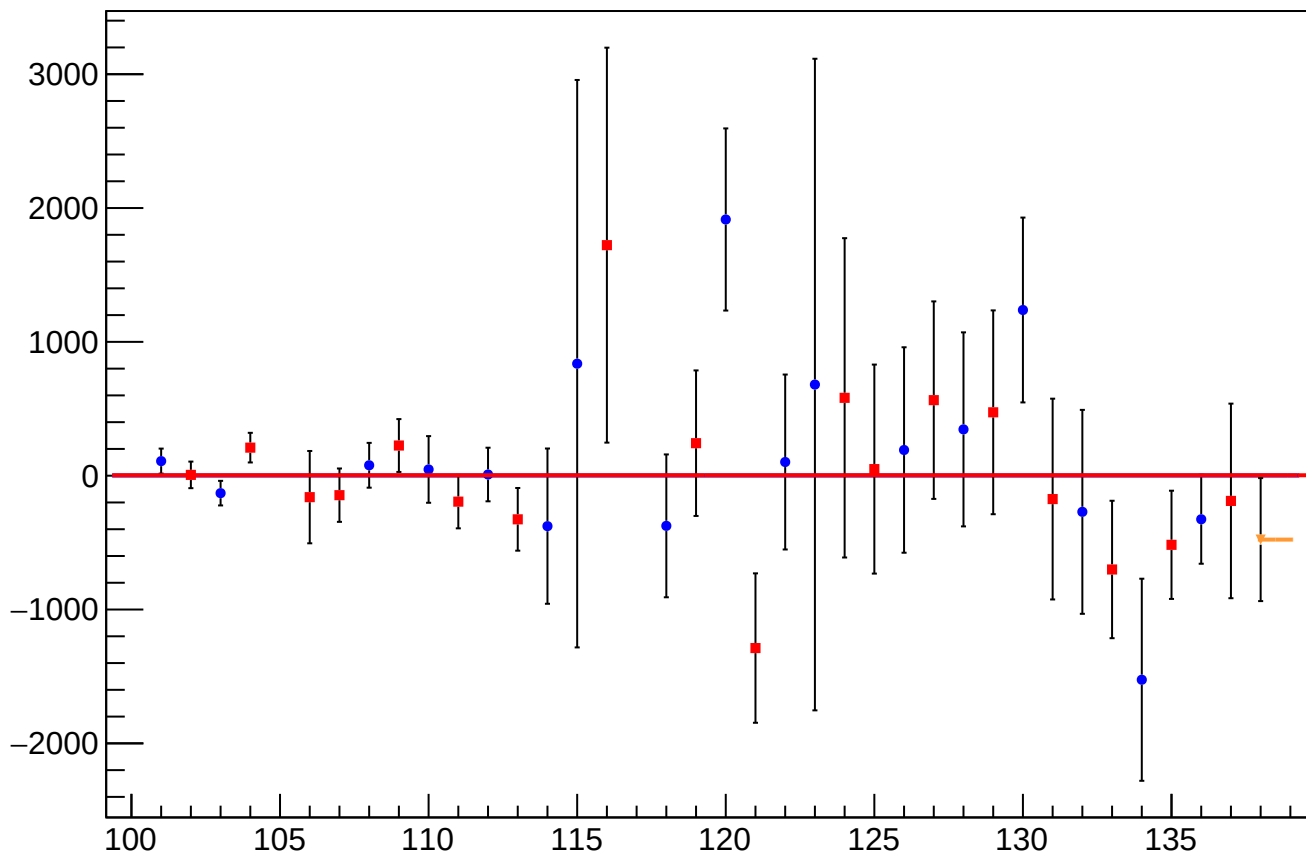
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 61.028 $\pm$ 0.016  $\chi^2$ /NDF: 277747.2/17

All: 59.695 $\pm$ 0.011  $\chi^2$ /NDF: 566412.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_avg\_correction\_mean vs Slug



Right In:  $1.581 \pm 54.284$   $\chi^2/\text{NDF}$ : 21.4/16

Left Out:  $-477.473 \pm 459.518$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $3.242 \pm 56.611$   $\chi^2/\text{NDF}$ : 20.2/17

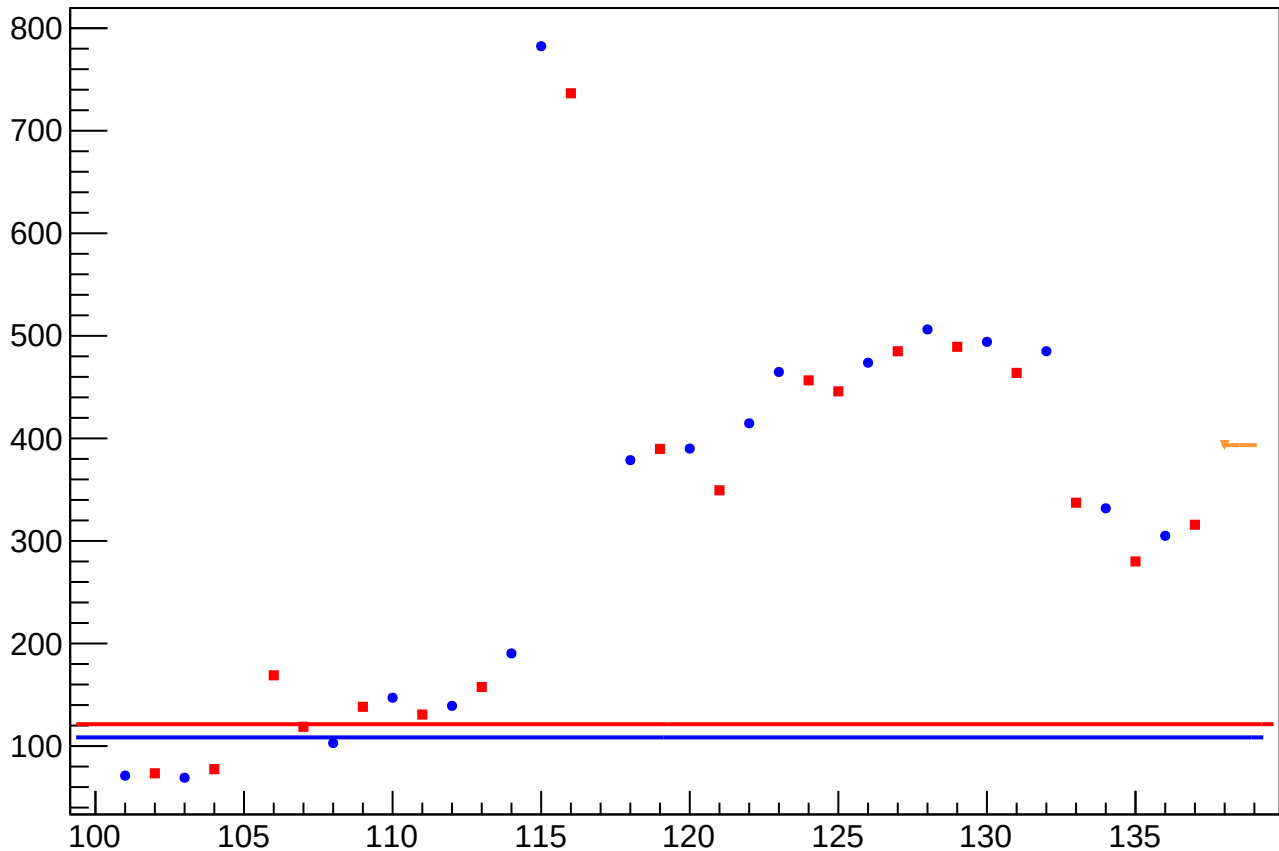
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-5.013 \pm 53.909$   $\chi^2/\text{NDF}$ : 22.5/17

All:  $-1.087 \pm 39.040$   $\chi^2/\text{NDF}$ : 42.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_avg\_correction\_rms vs Slug



Right In: 108.445+/-0.038  $\chi^2/\text{NDF}$ : 5404107.9/16

Left Out: 393.431+/-0.325  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 121.303+/-0.040  $\chi^2/\text{NDF}$ : 4731568.2/17

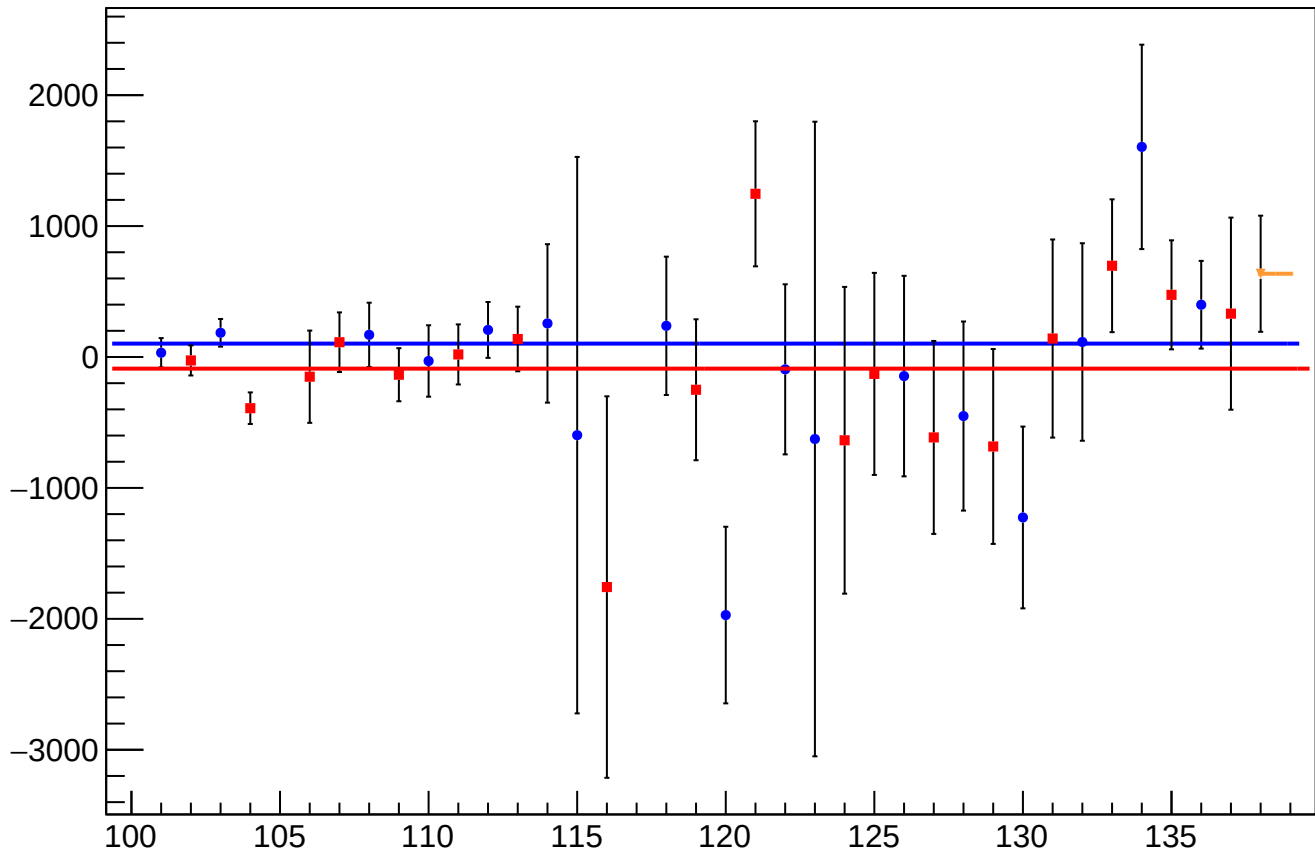
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 112.367+/-0.038  $\chi^2/\text{NDF}$ : 6162776.3/17

All: 116.617+/-0.028  $\chi^2/\text{NDF}$ : 10920477.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_avg\_mean vs Slug



Right In: 102.221+/-63.127  $\chi^2/\text{NDF}$ : 20.3/16

Left Out: 636.038+/-443.551  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -88.841+/-62.230  $\chi^2/\text{NDF}$ : 21.7/17

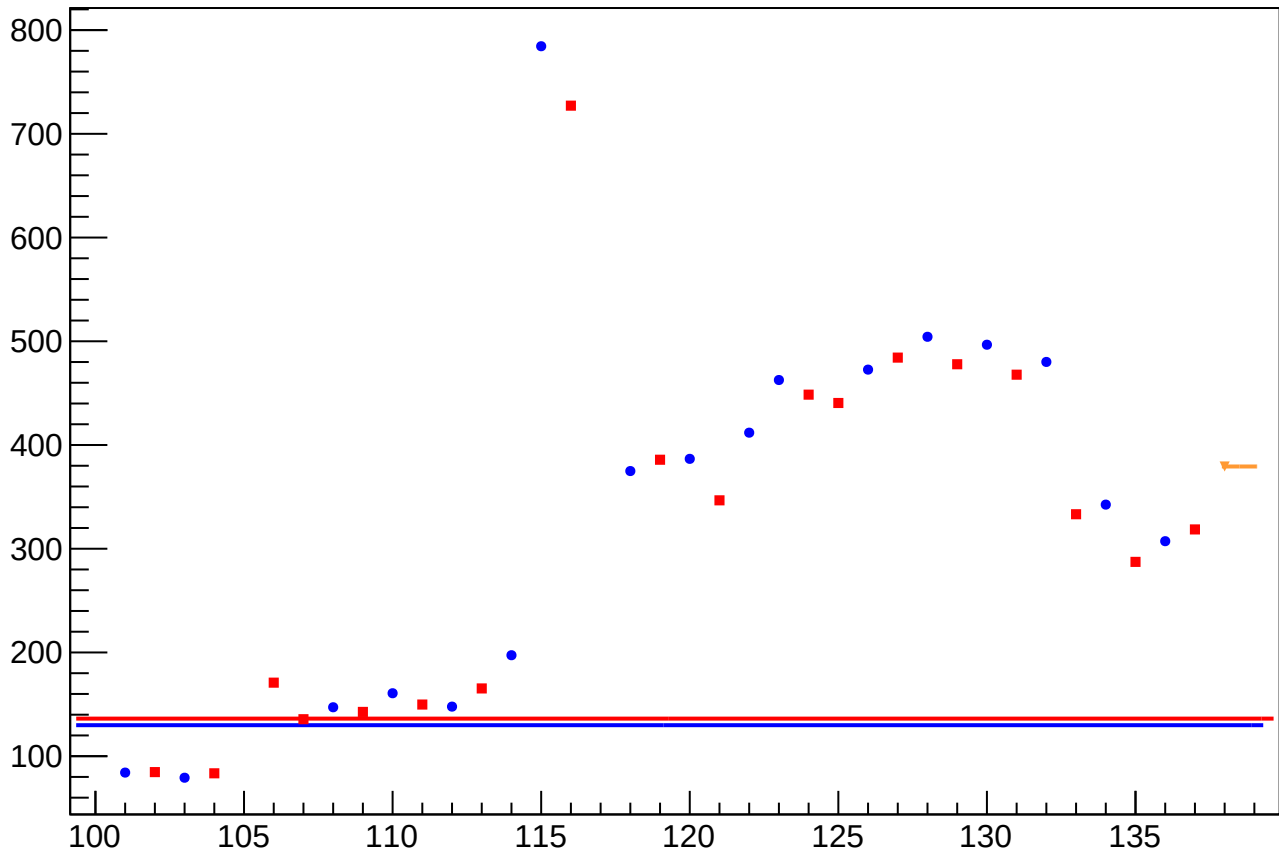
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 112.819+/-62.498  $\chi^2/\text{NDF}$ : 21.7/17

All: 11.557+/-44.098  $\chi^2/\text{NDF}$ : 48.6/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_avg\_rms vs Slug



Right In: 129.884 $\pm$ 0.045  $\chi^2$ /NDF: 4829521.2/16

Left Out: 379.283 $\pm$ 0.314  $\chi^2$ /NDF: 0.0/0

Right Out: 136.225 $\pm$ 0.044  $\chi^2$ /NDF: 4282800.2/17

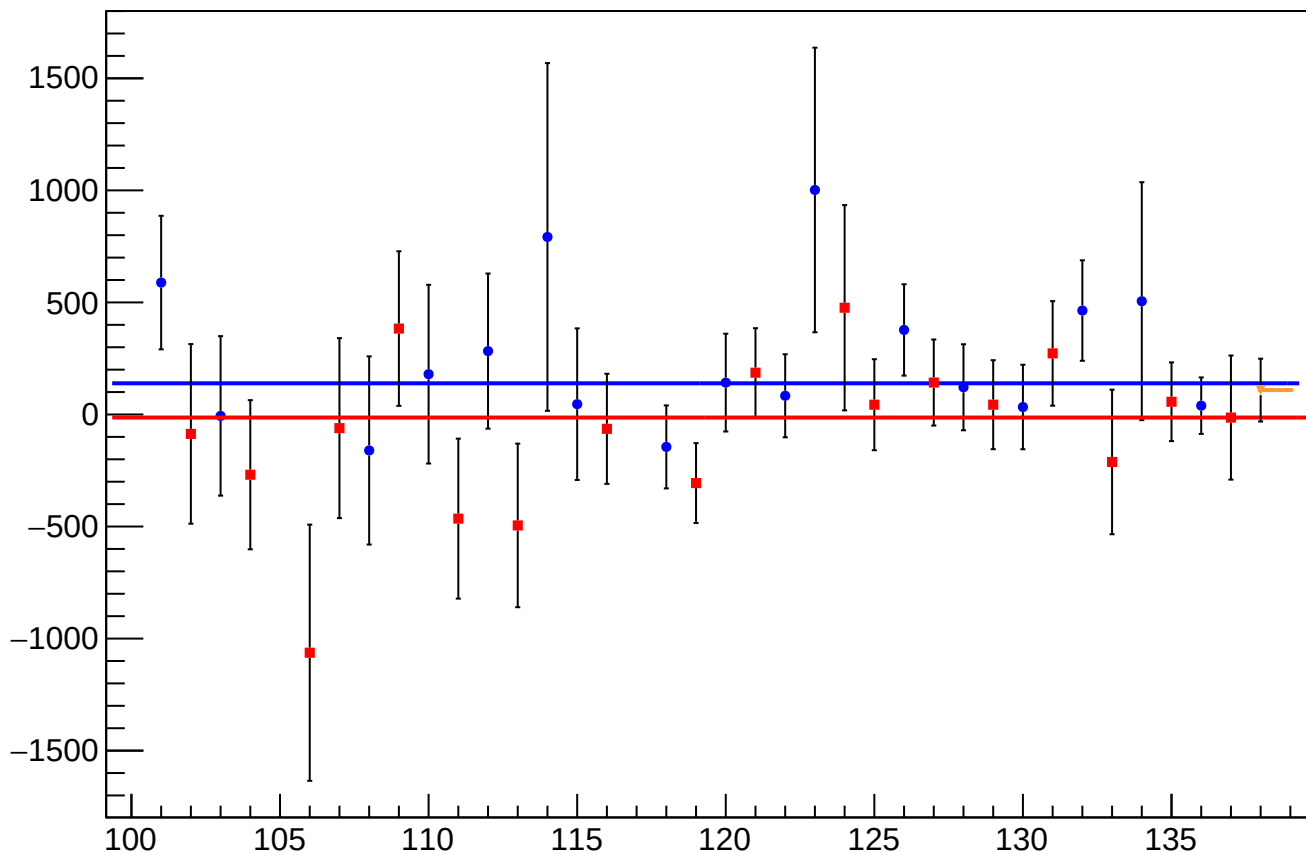
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 134.835 $\pm$ 0.044  $\chi^2$ /NDF: 5449282.4/17

All: 135.533 $\pm$ 0.031  $\chi^2$ /NDF: 9732578.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_26\_avg\_mean vs Slug



Right In: 139.093 $\pm$ 57.982  $\chi^2$ /NDF: 13.1/16

Left Out: 108.845 $\pm$ 140.102  $\chi^2$ /NDF: 0.0/0

Right Out: -13.637 $\pm$ 60.127  $\chi^2$ /NDF: 16.4/17

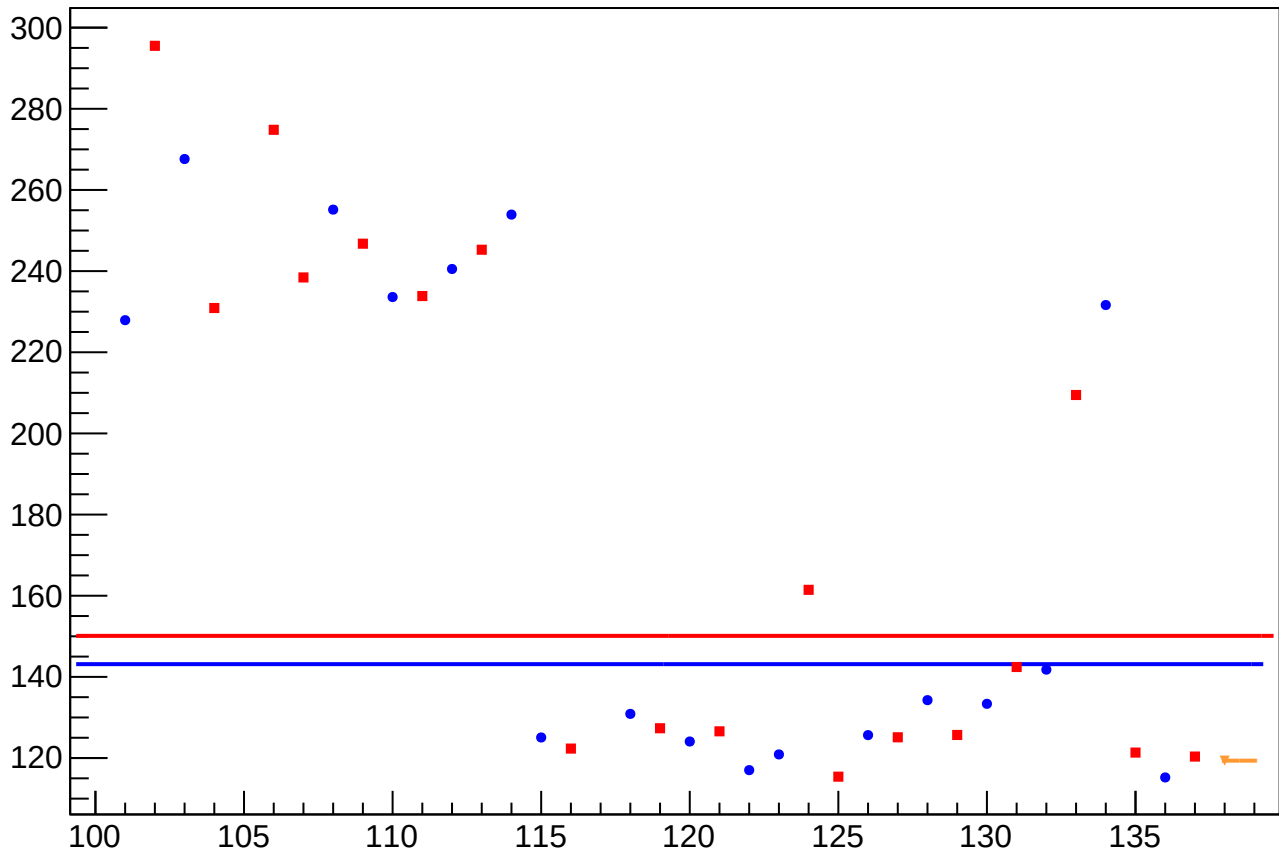
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 134.670 $\pm$ 53.575  $\chi^2$ /NDF: 13.1/17

All: 69.035 $\pm$ 40.000  $\chi^2$ /NDF: 33.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_26\_avg\_rms vs Slug



Right In: 143.140 $\pm$ 0.041  $\chi^2$ /NDF: 1101269.0/16

Left Out: 119.355 $\pm$ 0.099  $\chi^2$ /NDF: 0.0/0

Right Out: 150.109 $\pm$ 0.043  $\chi^2$ /NDF: 1332775.0/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

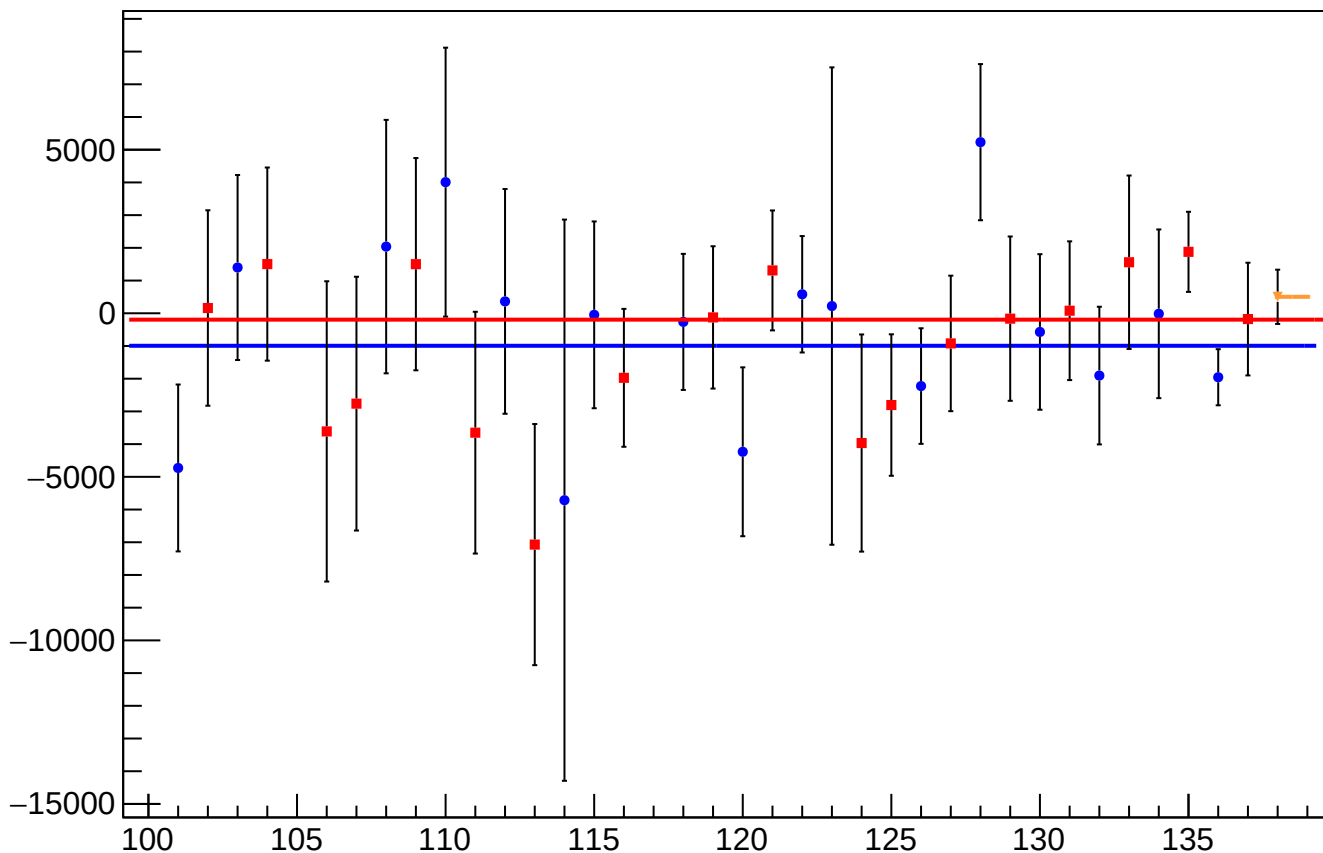
+ sign 139.662 $\pm$ 0.038  $\chi^2$ /NDF: 1150479.1/17

All: 144.285 $\pm$ 0.028  $\chi^2$ /NDF: 2516913.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_26\_avg\_correction\_mean vs Slug



Right In:  $-993.785 \pm 516.463$   $\chi^2/\text{NDF}$ : 16.9/16

Left Out:  $502.952 \pm 829.437$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-195.049 \pm 543.821$   $\chi^2/\text{NDF}$ : 13.5/17

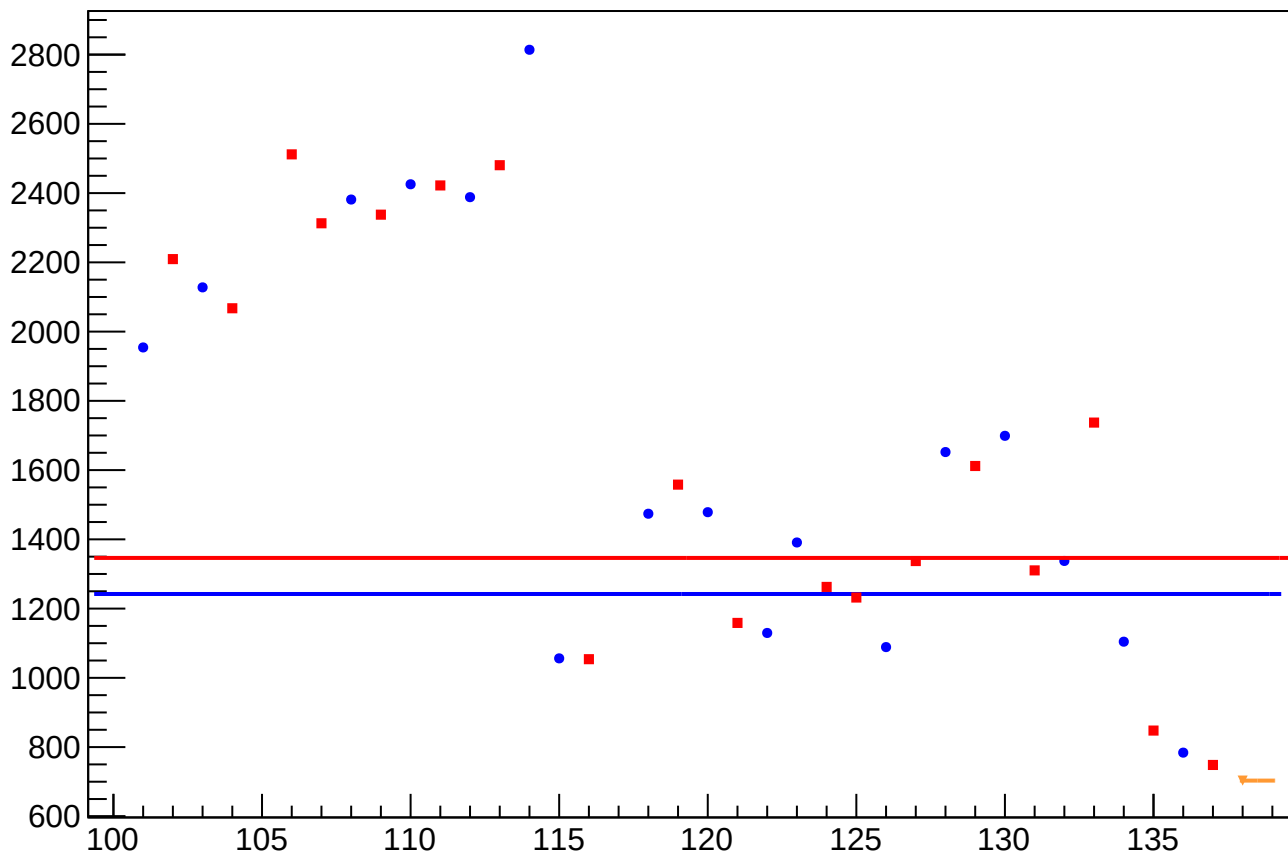
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-575.611 \pm 438.419$   $\chi^2/\text{NDF}$ : 19.3/17

All:  $-425.702 \pm 341.316$   $\chi^2/\text{NDF}$ : 33.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_avg\_correction\_rms vs Slug



Right In: 1242.172 $\pm$ 0.365  $\chi^2$ /NDF: 1767422.8/16

Left Out: 703.233 $\pm$ 0.587  $\chi^2$ /NDF: 0.0/0

Right Out: 1346.340 $\pm$ 0.385  $\chi^2$ /NDF: 1809161.2/17

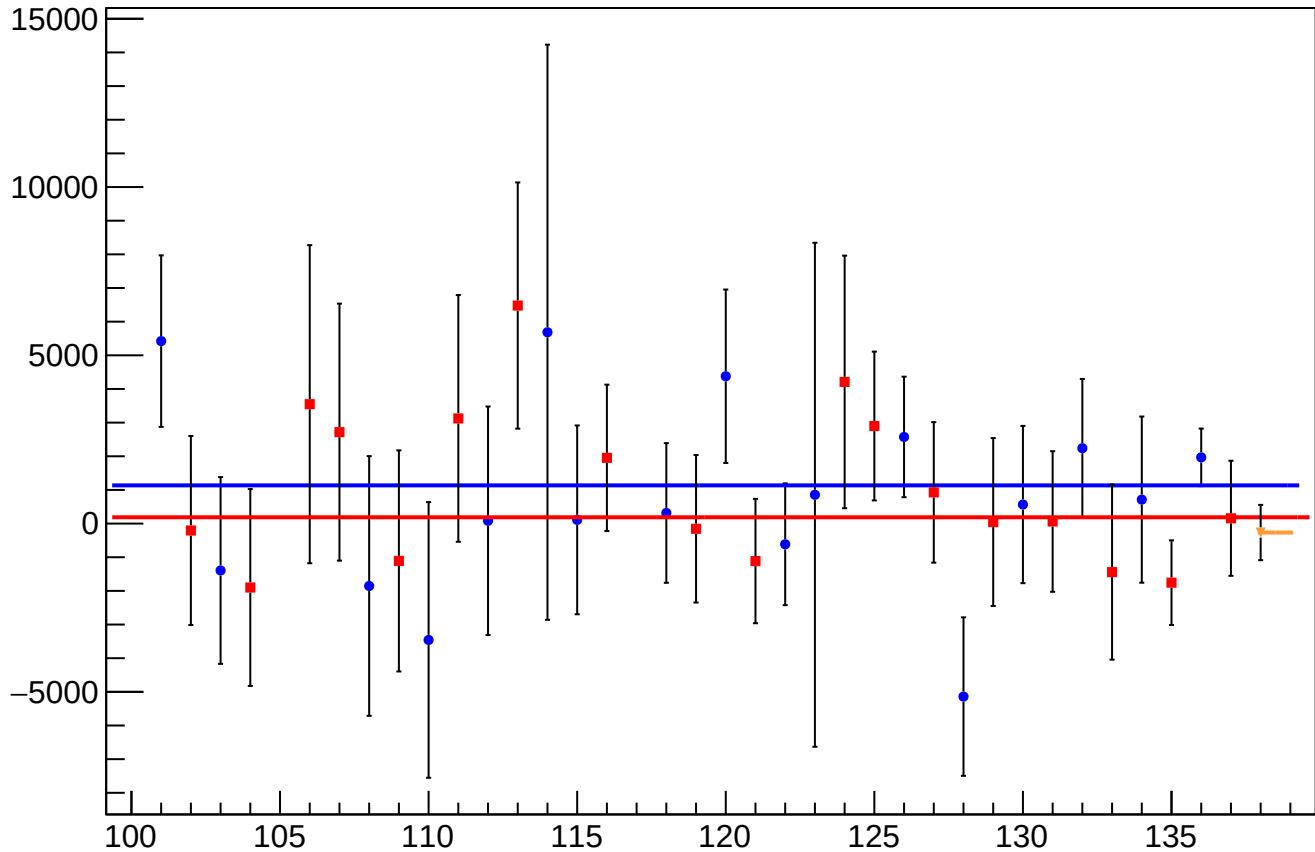
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1091.598 $\pm$ 0.310  $\chi^2$ /NDF: 2375897.3/17

All: 1191.944 $\pm$ 0.241  $\chi^2$ /NDF: 4451040.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_avg\_mean vs Slug



Right In: 1135.222 $\pm$ 513.770  $\chi^2$ /NDF: 17.8/16

Left Out: -265.915 $\pm$ 821.637  $\chi^2$ /NDF: 0.0/0

Right Out: 187.508 $\pm$ 548.191  $\chi^2$ /NDF: 12.0/17

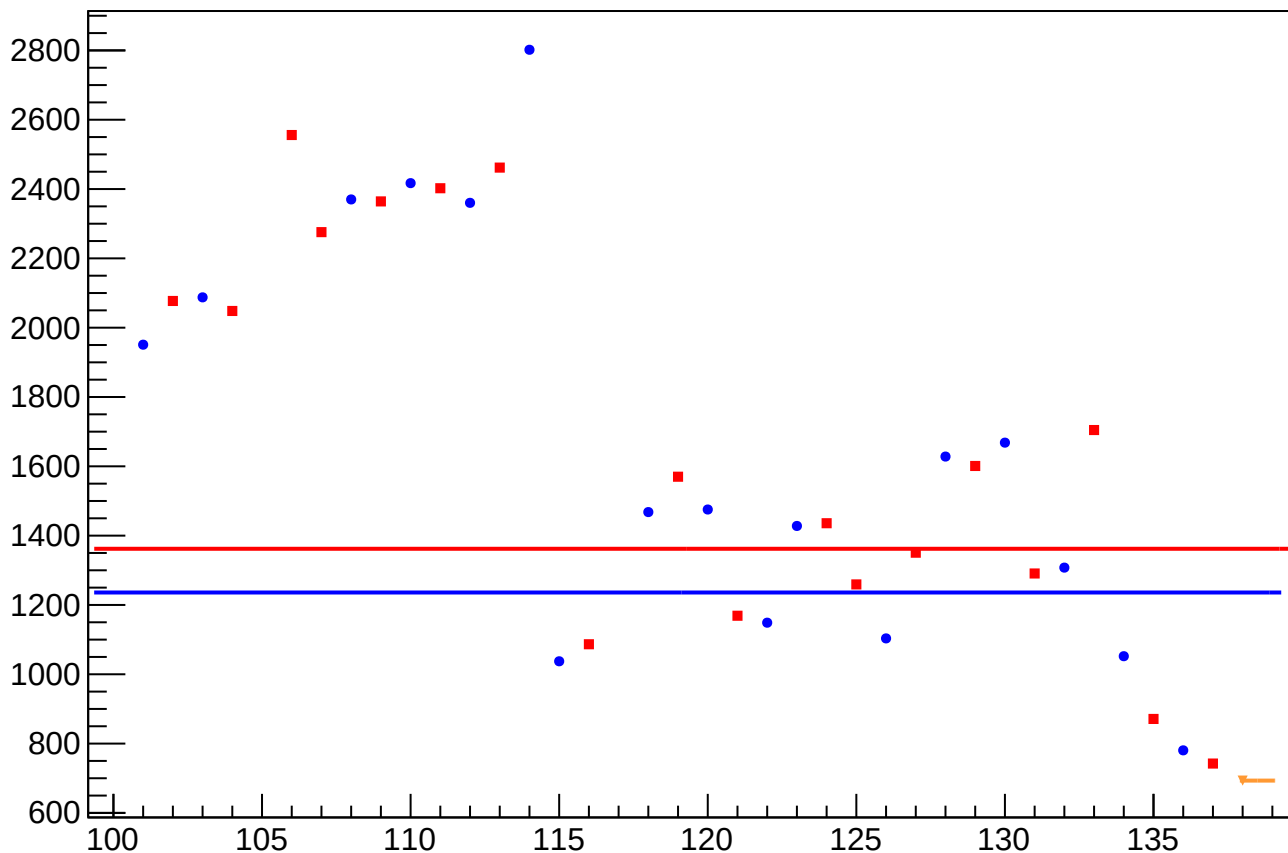
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 741.371 $\pm$ 435.618  $\chi^2$ /NDF: 19.9/17

All: 526.997 $\pm$ 341.049  $\chi^2$ /NDF: 32.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_avg\_rms vs Slug



Right In: 1235.939+/-0.363  $\chi^2/\text{NDF}$ : 1745716.2/16

Left Out: 693.227+/-0.581  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1362.092+/-0.388  $\chi^2/\text{NDF}$ : 1709253.2/17

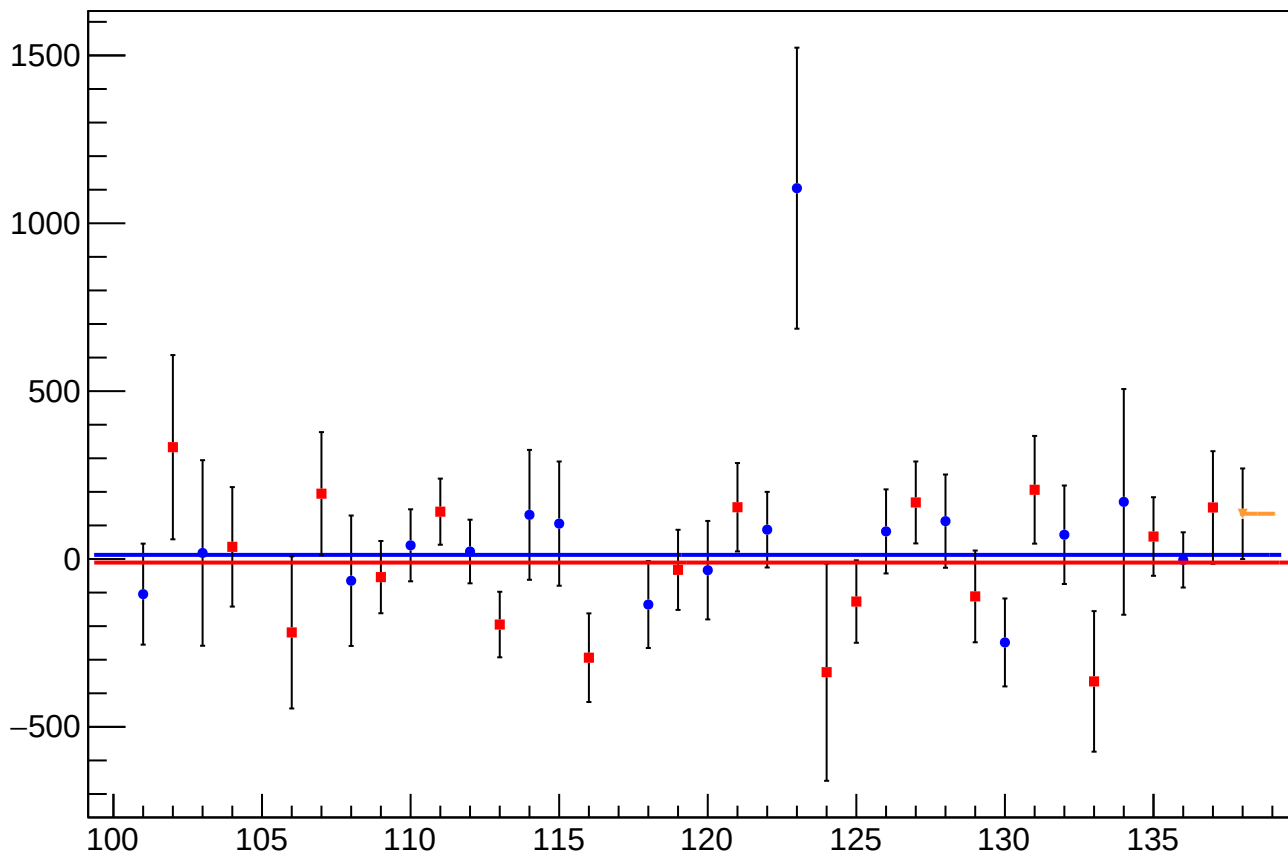
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1083.386+/-0.308  $\chi^2/\text{NDF}$ : 2373023.4/17

All: 1191.260+/-0.241  $\chi^2/\text{NDF}$ : 4399145.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_avg\_mean vs Slug



Right In: 12.308+/-33.228  $\chi^2/\text{NDF}$ : 15.4/16

Left Out: 134.821+/-134.933  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -10.591+/-32.606  $\chi^2/\text{NDF}$ : 26.7/17

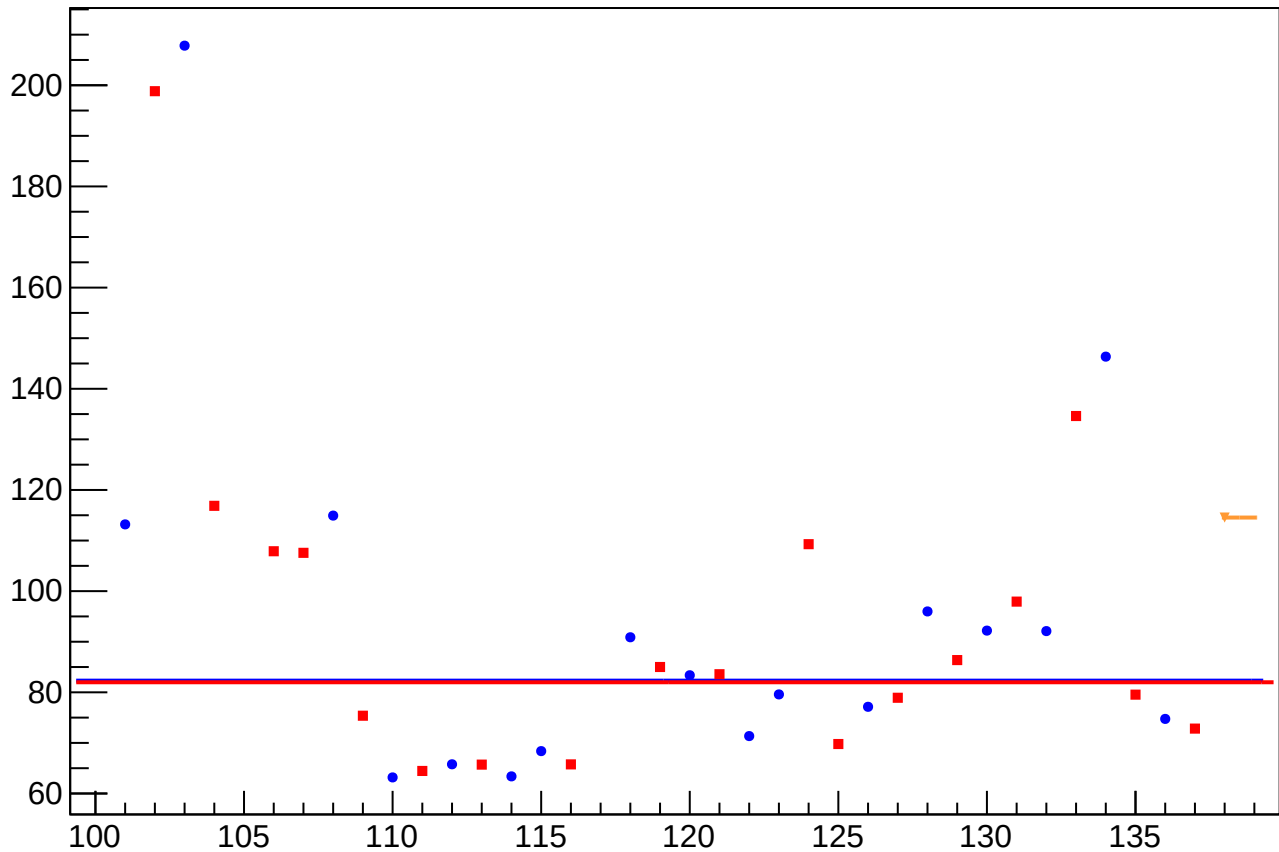
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 19.313+/-32.264  $\chi^2/\text{NDF}$ : 16.1/17

All: 4.518+/-22.934  $\chi^2/\text{NDF}$ : 43.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_avg\_rms vs Slug



Right In: 82.306+/-0.023  $\chi^2/\text{NDF}$ : 868742.4/16

Left Out: 114.546+/-0.095  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 81.987+/-0.023  $\chi^2/\text{NDF}$ : 853217.2/17

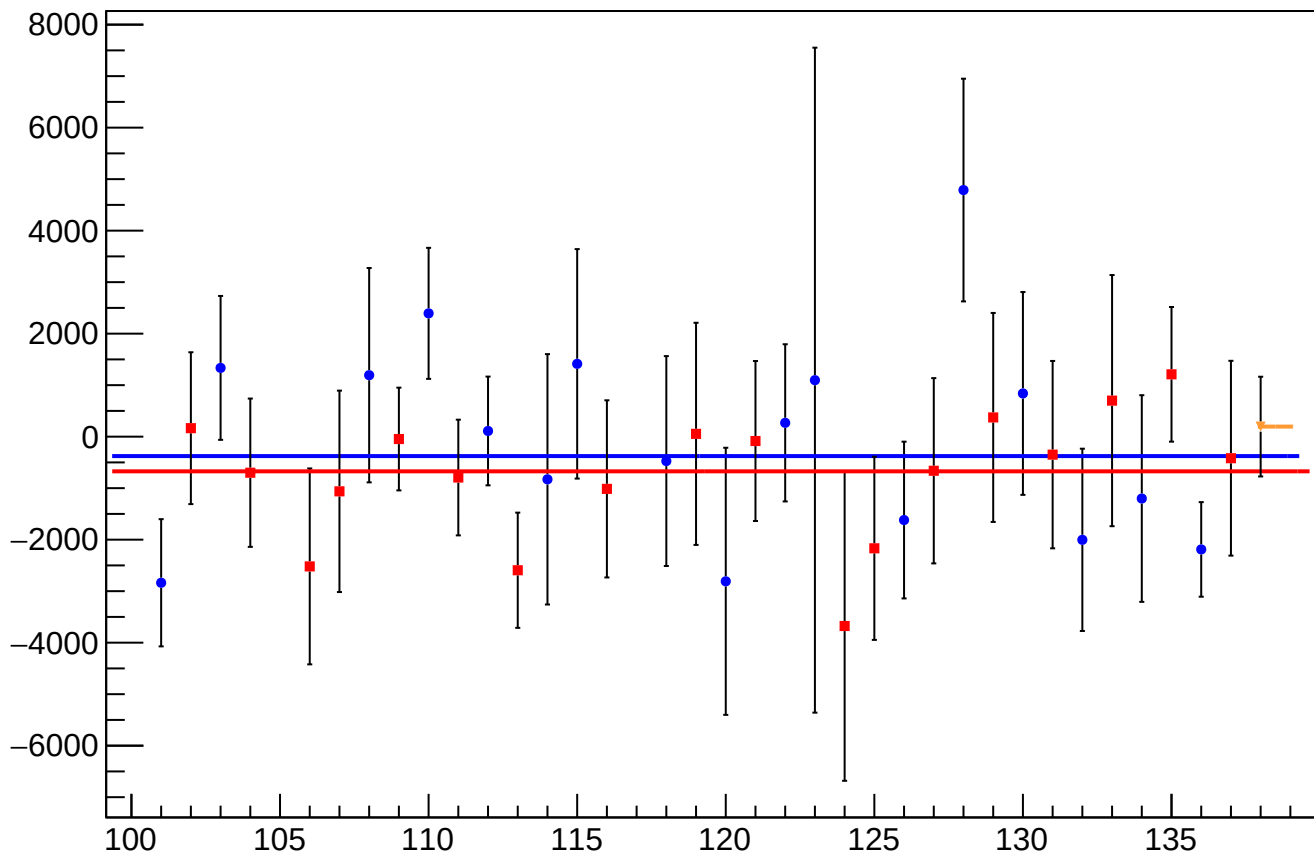
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 84.149+/-0.023  $\chi^2/\text{NDF}$ : 976393.5/17

All: 83.080+/-0.016  $\chi^2/\text{NDF}$ : 1834052.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_avg\_correction\_mean vs Slug



Right In:  $-377.330 \pm 383.897$   $\chi^2/\text{NDF}$ : 24.5/16

Left Out:  $195.388 \pm 968.013$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-673.192 \pm 368.624$   $\chi^2/\text{NDF}$ : 9.4/17

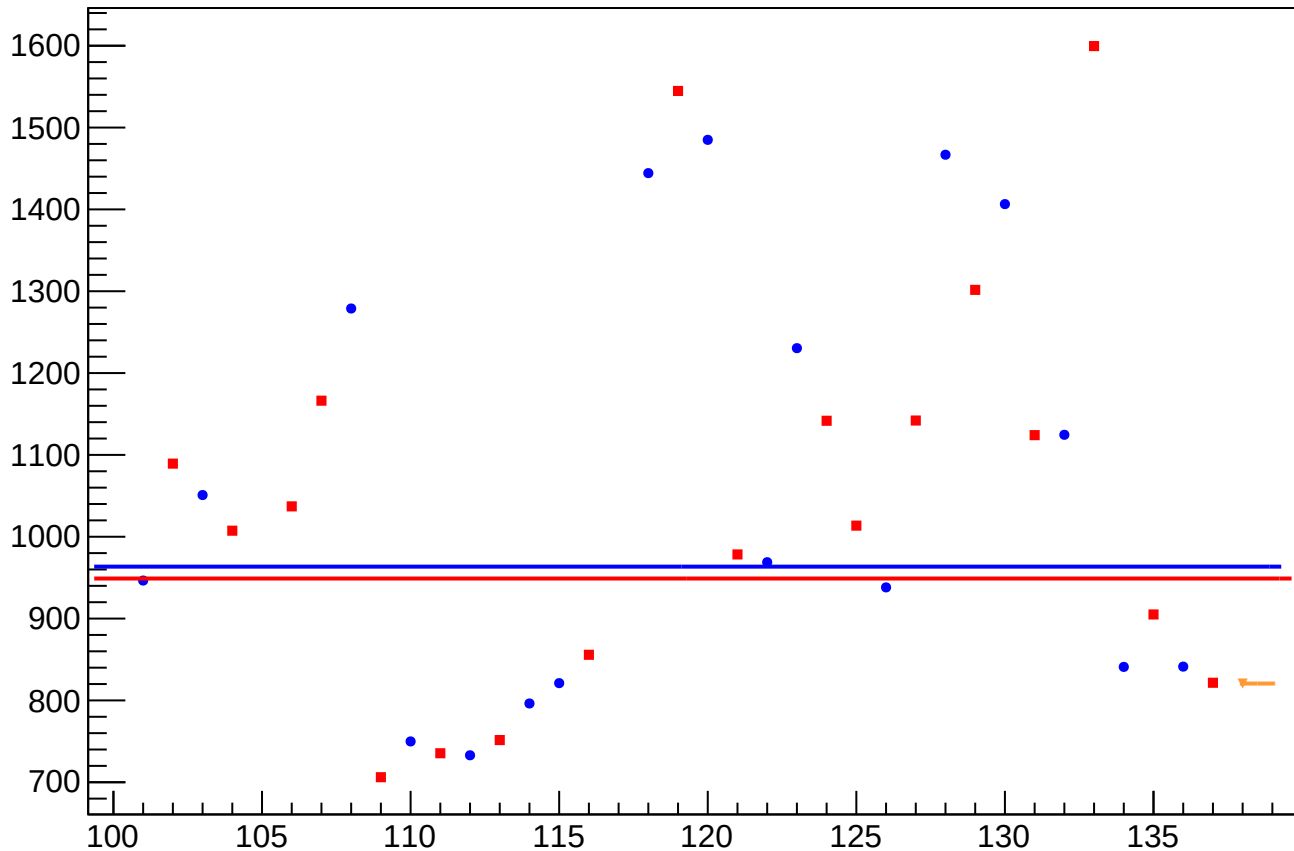
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-299.496 \pm 356.859$   $\chi^2/\text{NDF}$ : 24.8/17

All:  $-480.286 \pm 256.395$   $\chi^2/\text{NDF}$ : 34.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_avg\_correction\_rms vs Slug



Right In: 963.469+/-0.271  $\chi^2/\text{NDF}$ : 688873.3/16

Left Out: 820.613+/-0.684  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 948.947+/-0.261  $\chi^2/\text{NDF}$ : 729378.3/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

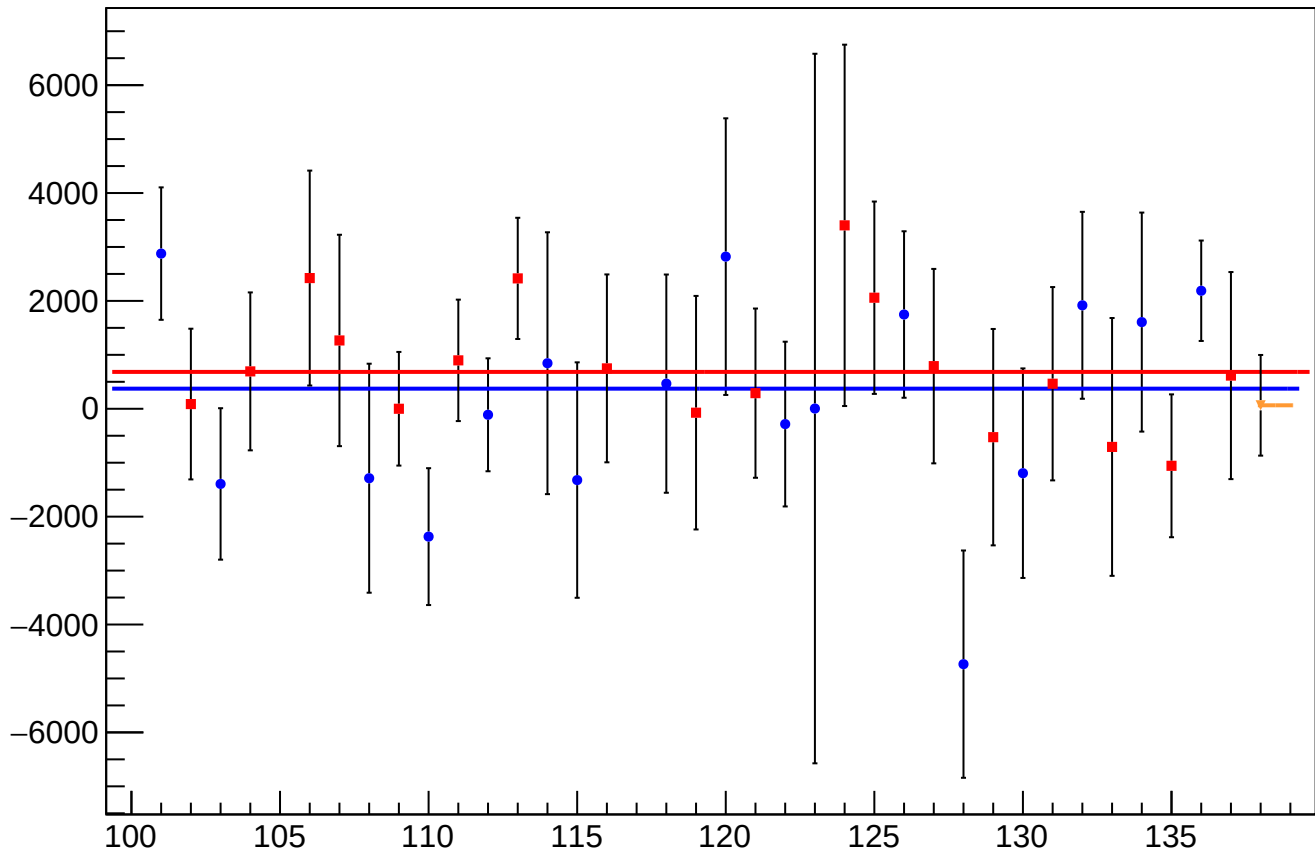
+ sign 944.054+/-0.252  $\chi^2/\text{NDF}$ : 726511.3/17

All: 946.422+/-0.181  $\chi^2/\text{NDF}$ : 1456071.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_37\_avg\_mean vs Slug



Right In: 372.896 $\pm$ 383.661  $\chi^2$ /NDF: 25.3/16

Left Out: 64.417 $\pm$ 933.207  $\chi^2$ /NDF: 0.0/0

Right Out: 683.612 $\pm$ 372.418  $\chi^2$ /NDF: 7.8/17

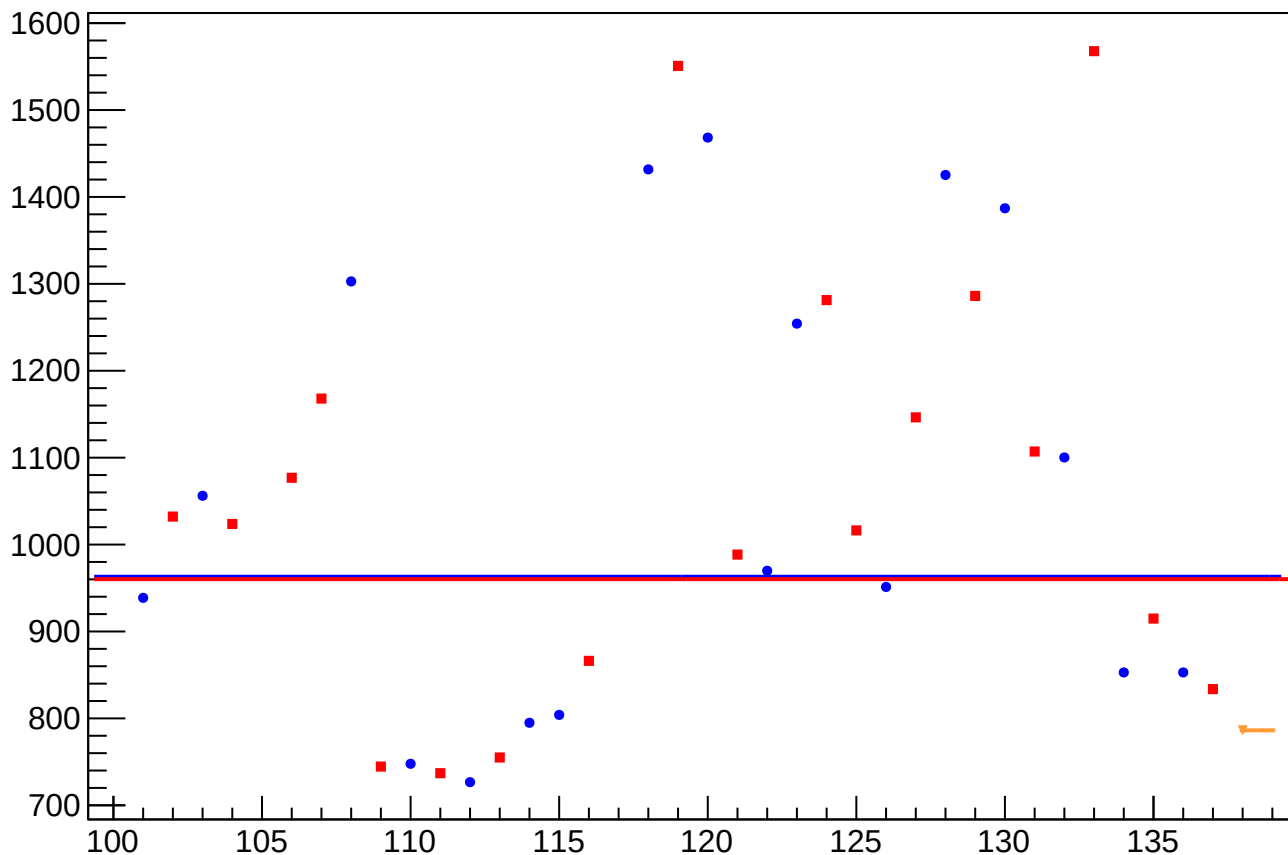
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 328.295 $\pm$ 354.844  $\chi^2$ /NDF: 25.4/17

All: 497.373 $\pm$ 256.901  $\chi^2$ /NDF: 33.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_avg\_rms vs Slug



Right In: 962.971+/-0.271  $\chi^2/\text{NDF}$ : 667521.9/16

Left Out: 786.276+/-0.660  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 960.218+/-0.263  $\chi^2/\text{NDF}$ : 671009.3/17

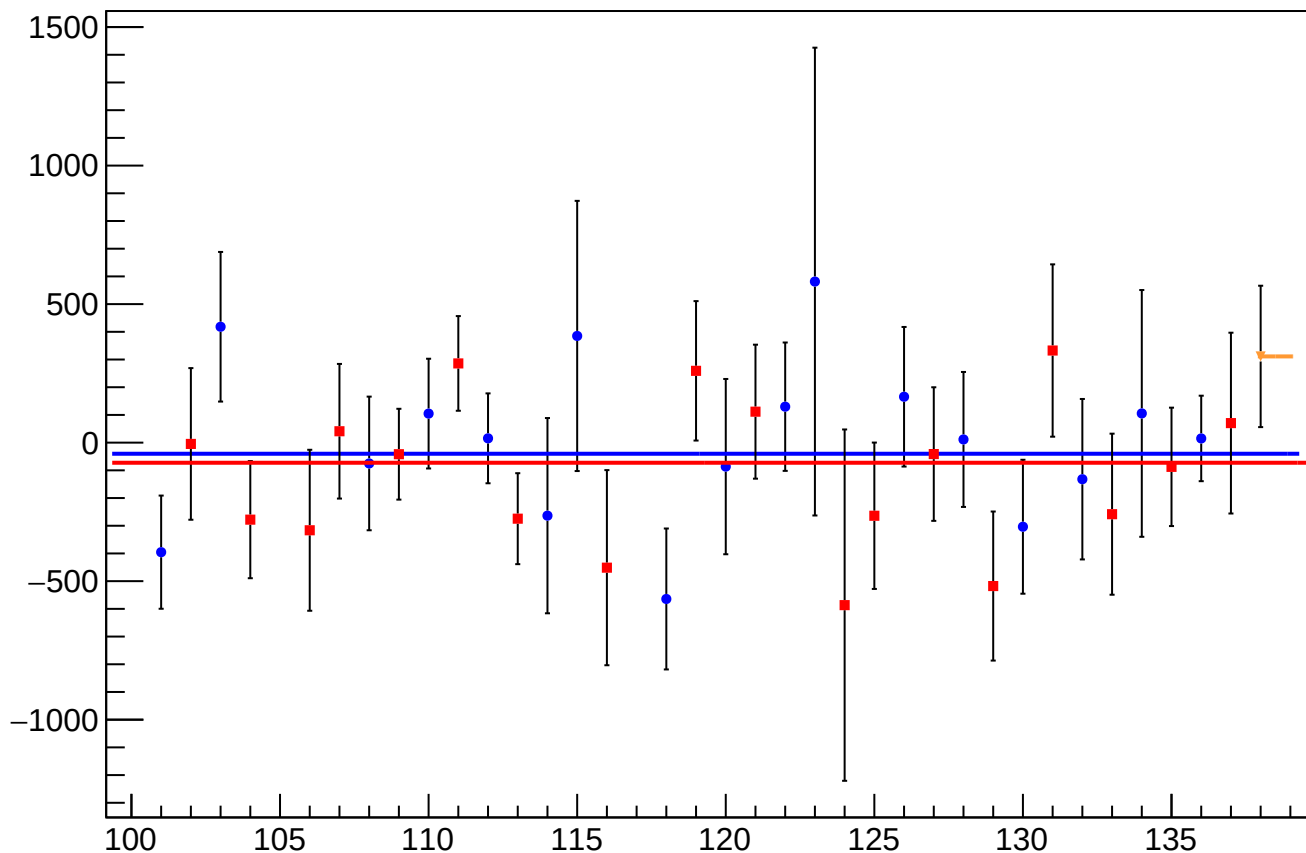
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 937.423+/-0.251  $\chi^2/\text{NDF}$ : 728855.8/17

All: 948.270+/-0.182  $\chi^2/\text{NDF}$ : 1403792.1/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_48\_avg\_mean vs Slug



Right In:  $-40.122 \pm 59.256$   $\chi^2/\text{NDF}$ : 15.3/16

Left Out:  $311.194 \pm 255.160$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-72.607 \pm 56.313$   $\chi^2/\text{NDF}$ : 17.6/17

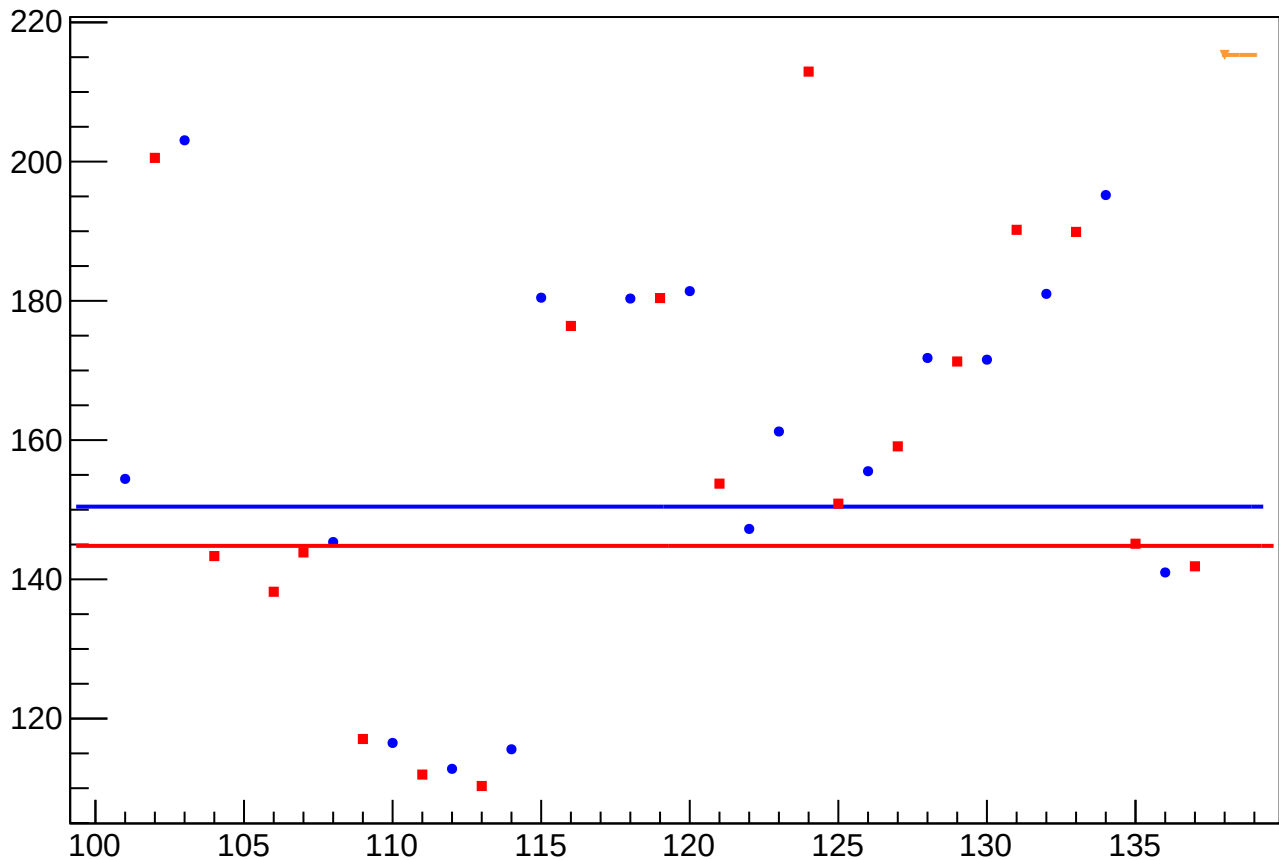
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-22.144 \pm 57.720$   $\chi^2/\text{NDF}$ : 17.1/17

All:  $-47.998 \pm 40.308$   $\chi^2/\text{NDF}$ : 35.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_48\_avg\_rms vs Slug



Right In: 150.442 $\pm$ 0.042  $\chi^2$ /NDF: 400121.4/16

Left Out: 215.323 $\pm$ 0.180  $\chi^2$ /NDF:0.0/0

Right Out: 144.807 $\pm$ 0.040  $\chi^2$ /NDF: 503863.1/17

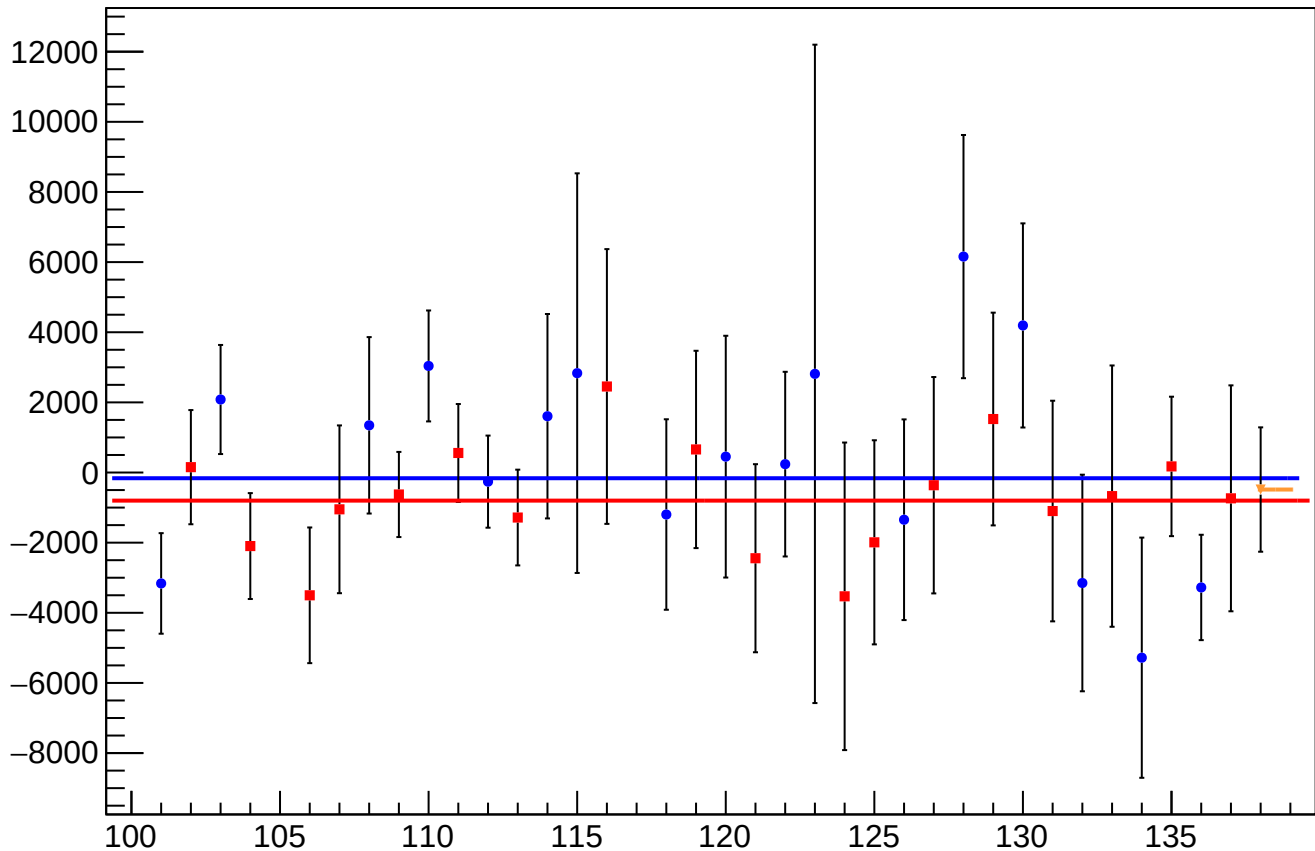
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 153.762 $\pm$ 0.041  $\chi^2$ /NDF: 522817.9/17

All: 149.174 $\pm$ 0.029  $\chi^2$ /NDF: 1051343.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_avg\_correction\_mean vs Slug



Right In: -162.807+/-533.165  $\chi^2/\text{NDF}$ : 25.1/16

Left Out: -485.241+/-1773.071  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -801.139+/-486.610  $\chi^2/\text{NDF}$ : 6.9/17

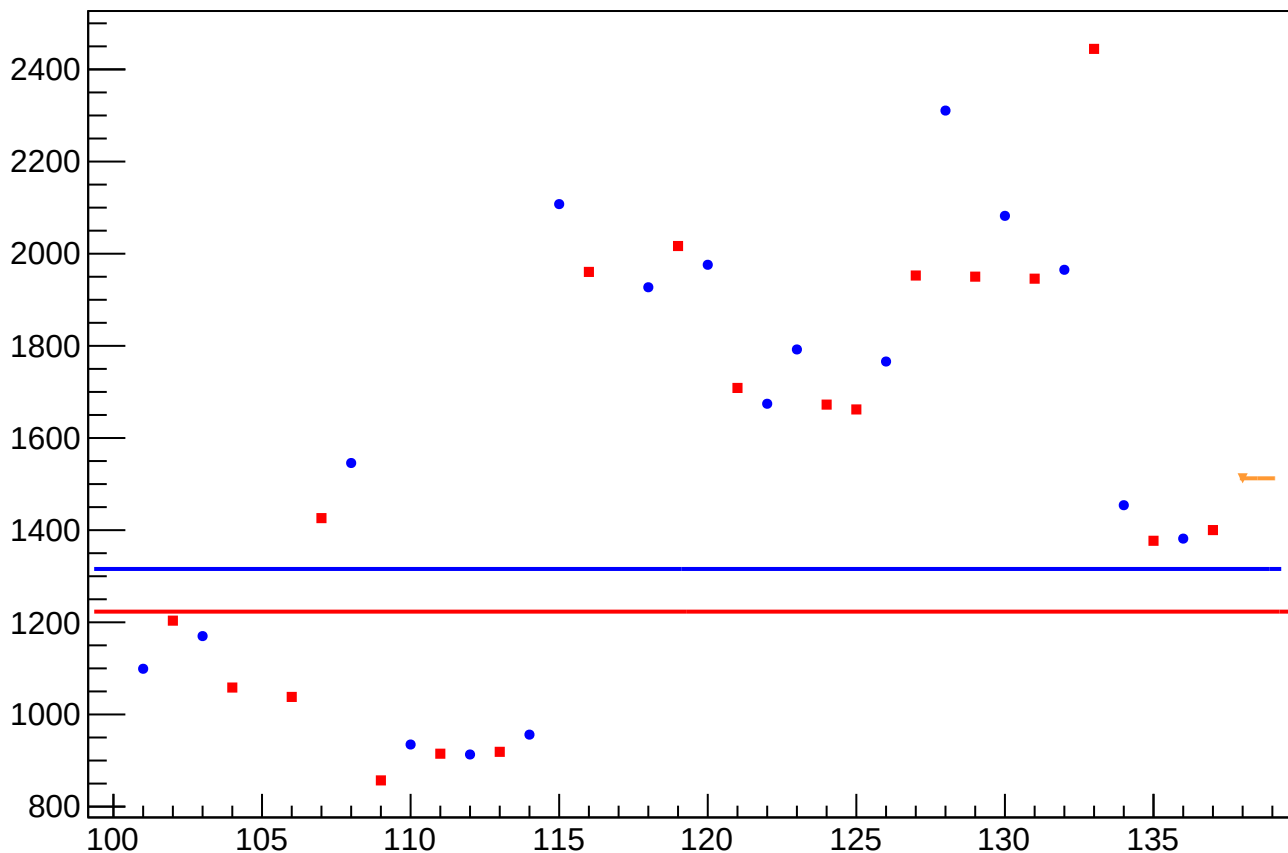
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -189.544+/-510.581  $\chi^2/\text{NDF}$ : 25.1/17

All: -510.035+/-352.255  $\chi^2/\text{NDF}$ : 32.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_48\_avg\_correction\_rms vs Slug



Right In: 1315.784+/-0.377  $\chi^2/\text{NDF}$ : 1118346.6/16

Left Out: 1512.510+/-1.254  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1223.179+/-0.344  $\chi^2/\text{NDF}$ : 1363055.0/17

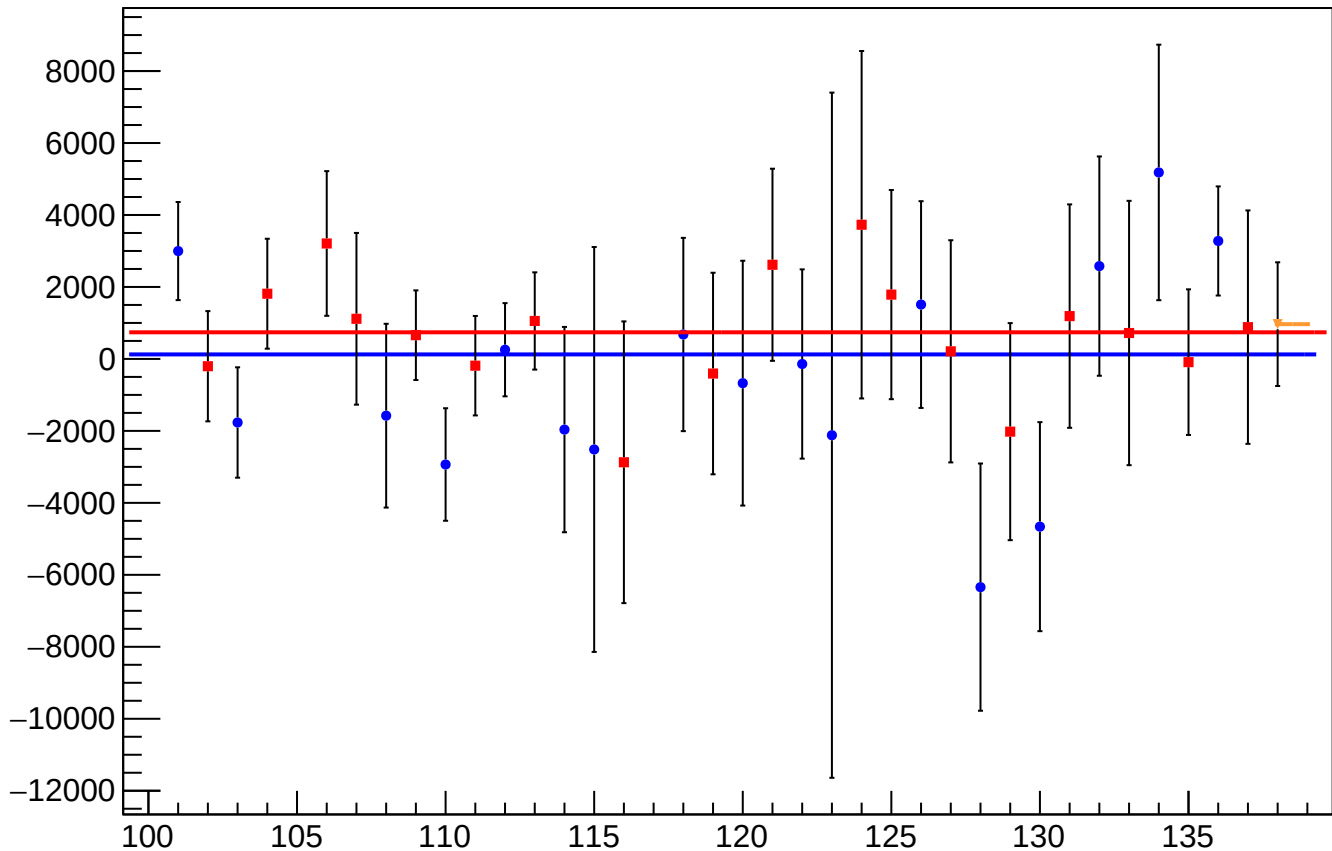
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1332.098+/-0.361  $\chi^2/\text{NDF}$ : 1140925.7/17

All: 1275.021+/-0.249  $\chi^2/\text{NDF}$ : 2551674.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_48\_avg\_mean vs Slug



Right In: 125.377 $\pm$ 526.801  $\chi^2$ /NDF: 24.7/16

Left Out: 966.214 $\pm$ 1718.961  $\chi^2$ /NDF: 0.0/0

Right Out: 739.954 $\pm$ 486.808  $\chi^2$ /NDF: 6.0/17

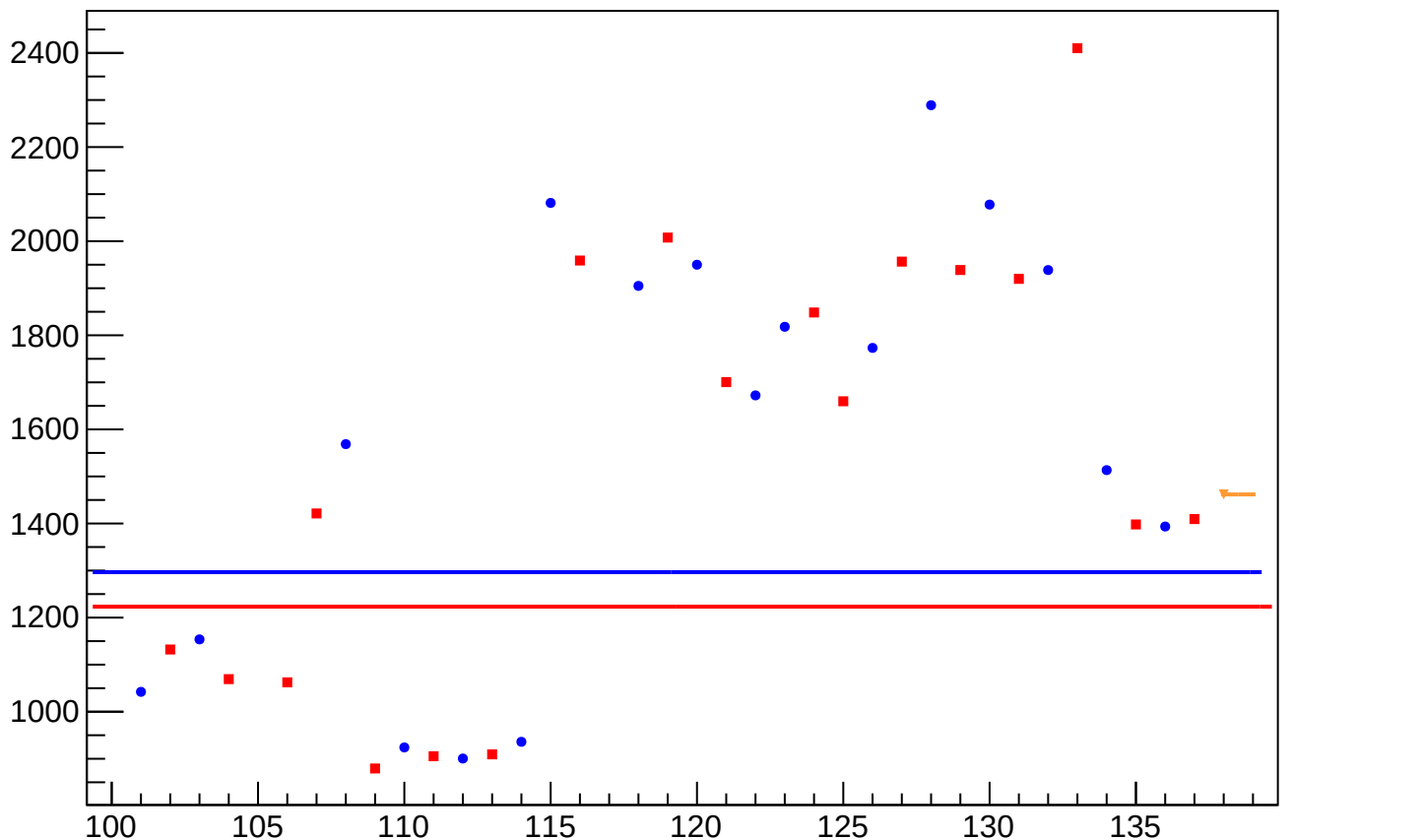
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 197.568 $\pm$ 503.679  $\chi^2$ /NDF: 24.9/17

All: 477.997 $\pm$ 350.038  $\chi^2$ /NDF: 31.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_avg\_rms vs Slug



Right In: 1296.573+/-0.373  $\chi^2/\text{NDF}$ : 1175465.2/16

Left Out: 1461.780+/-1.215  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1223.274+/-0.344  $\chi^2/\text{NDF}$ : 1346689.2/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

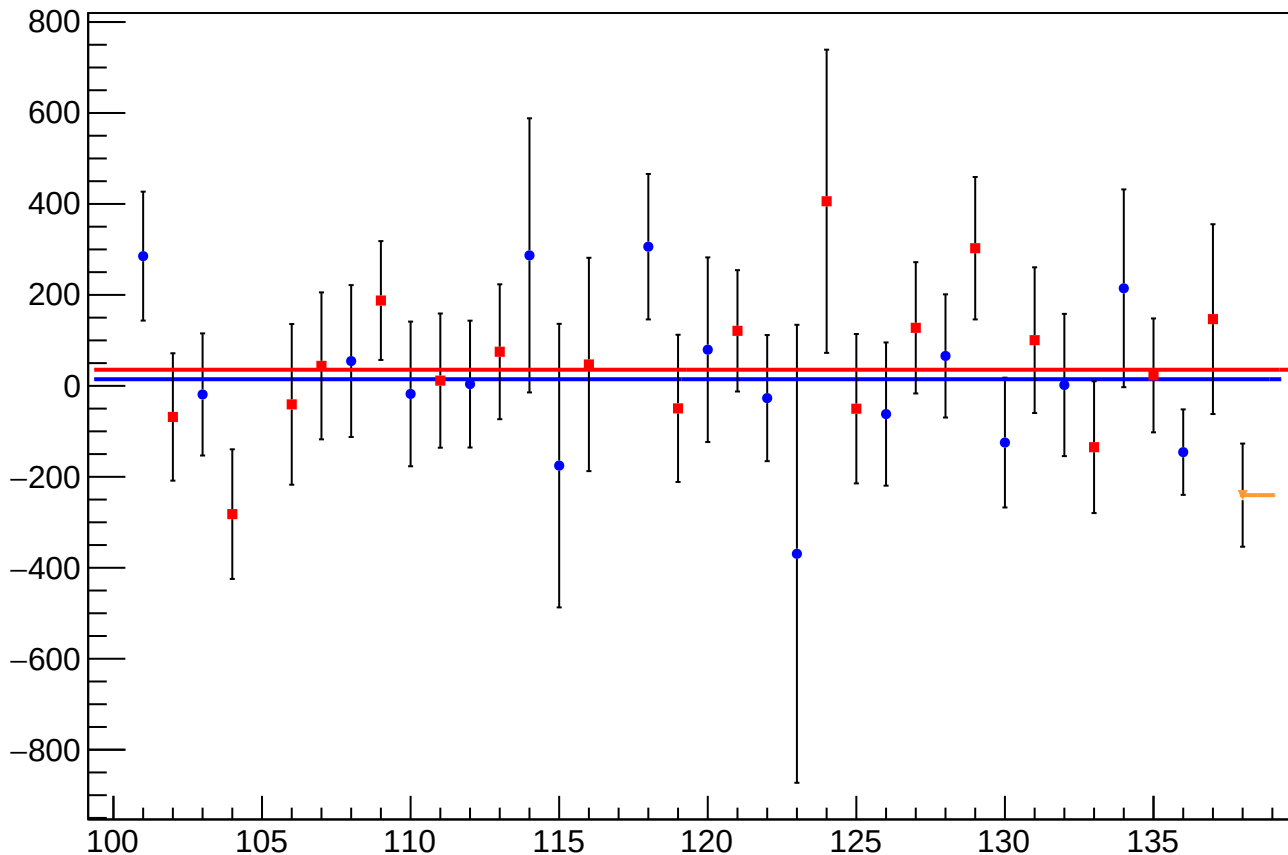
+ sign 1310.758+/-0.356  $\chi^2/\text{NDF}$ : 1192352.9/17

All: 1265.526+/-0.248  $\chi^2/\text{NDF}$ : 2570237.1/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam\_15\_dd\_mean vs Slug



Right In: 14.577 $\pm$ 38.017  $\chi^2$ /NDF: 14.2/16

Left Out: -240.285 $\pm$ 113.401  $\chi^2$ /NDF: 0.0/0

Right Out: 35.475 $\pm$ 36.728  $\chi^2$ /NDF: 14.5/17

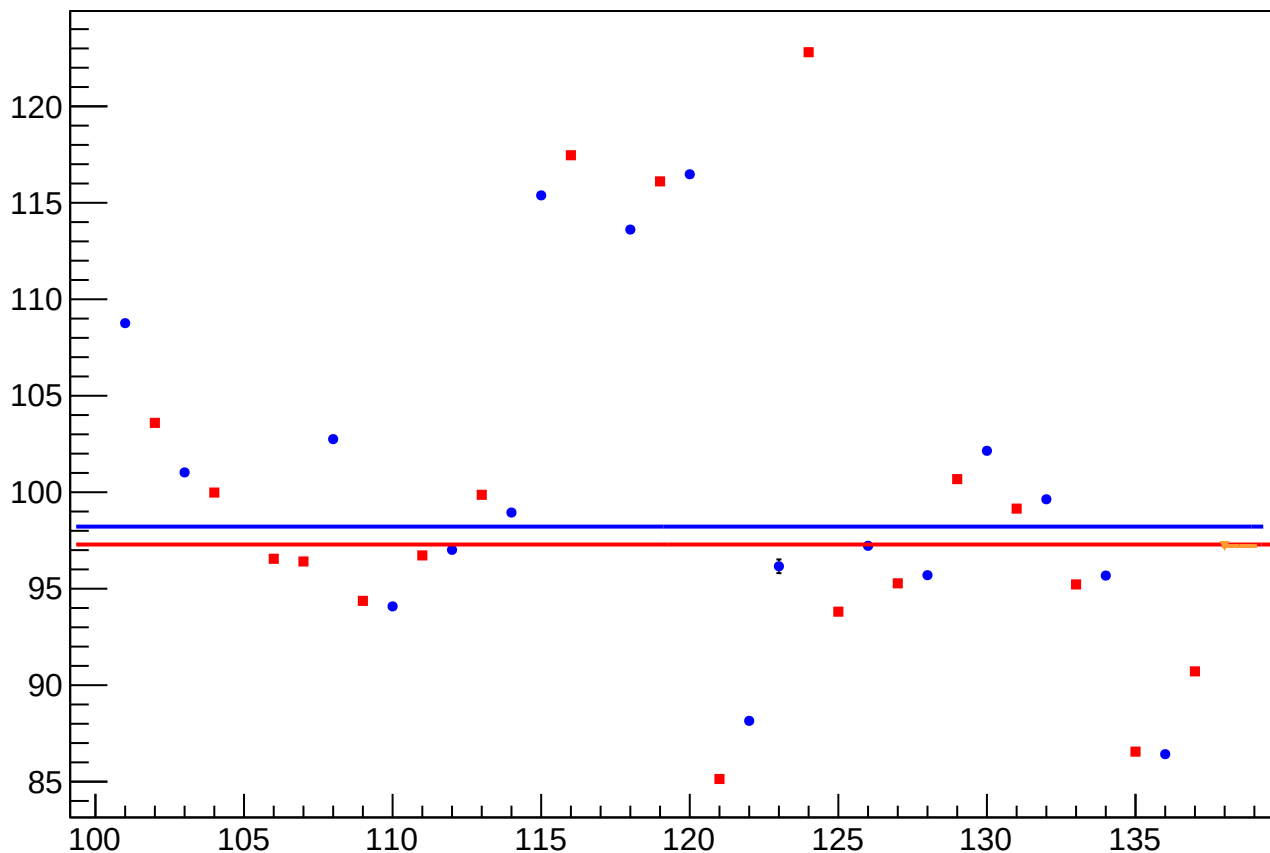
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -11.172 $\pm$ 36.045  $\chi^2$ /NDF: 18.7/17

All: 11.714 $\pm$ 25.726  $\chi^2$ /NDF: 34.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_dd\_rms vs Slug



Right In: 98.219 $\pm$ 0.027  $\chi^2$ /NDF: 100510.4/16

Left Out: 97.211 $\pm$ 0.080  $\chi^2$ /NDF: 0.0/0

Right Out: 97.290 $\pm$ 0.026  $\chi^2$ /NDF: 96216.6/17

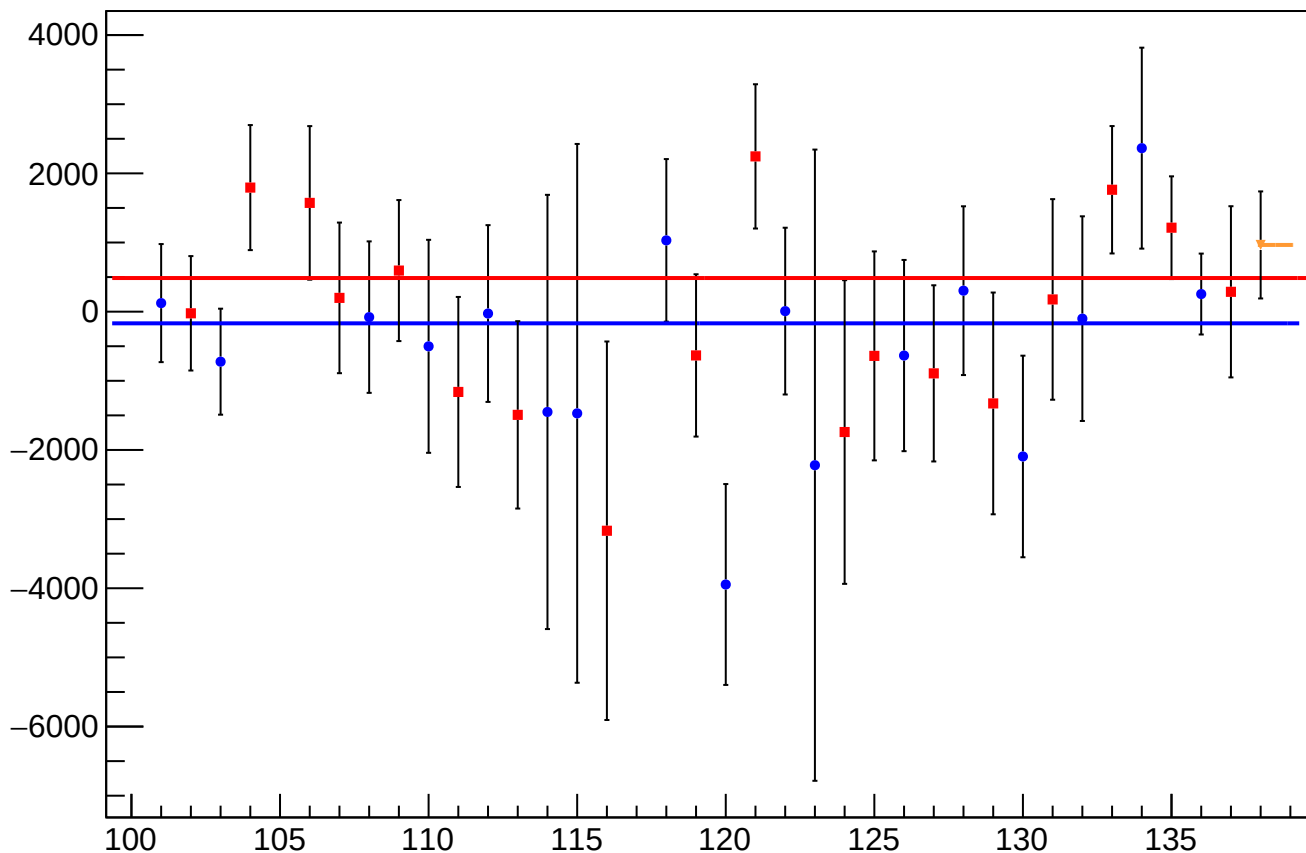
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 98.117 $\pm$ 0.025  $\chi^2$ /NDF: 100652.4/17

All: 97.712 $\pm$ 0.018  $\chi^2$ /NDF: 197385.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_dd\_correction\_mean vs Slug



Right In:  $-168.802 \pm 282.178$   $\chi^2/\text{NDF}$ : 14.6/16

Left Out:  $964.851 \pm 774.084$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $486.312 \pm 268.010$   $\chi^2/\text{NDF}$ : 19.6/17

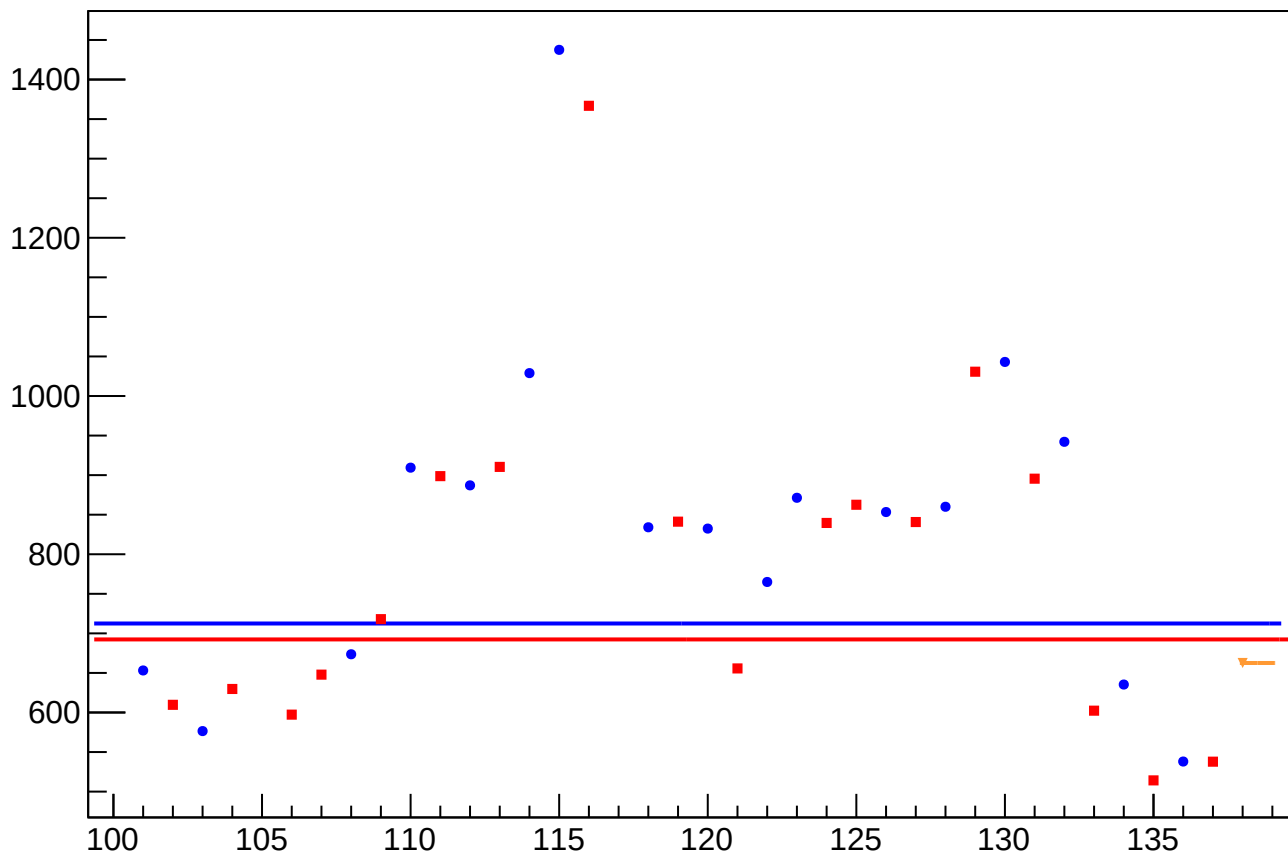
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-35.829 \pm 265.113$   $\chi^2/\text{NDF}$ : 16.5/17

All:  $222.405 \pm 188.479$   $\chi^2/\text{NDF}$ : 38.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_dd\_correction\_rms vs Slug



Right In: 712.476+/-0.200  $\chi^2/\text{NDF}$ : 660520.6/16

Left Out: 662.566+/-0.547  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 692.342+/-0.190  $\chi^2/\text{NDF}$ : 656953.1/17

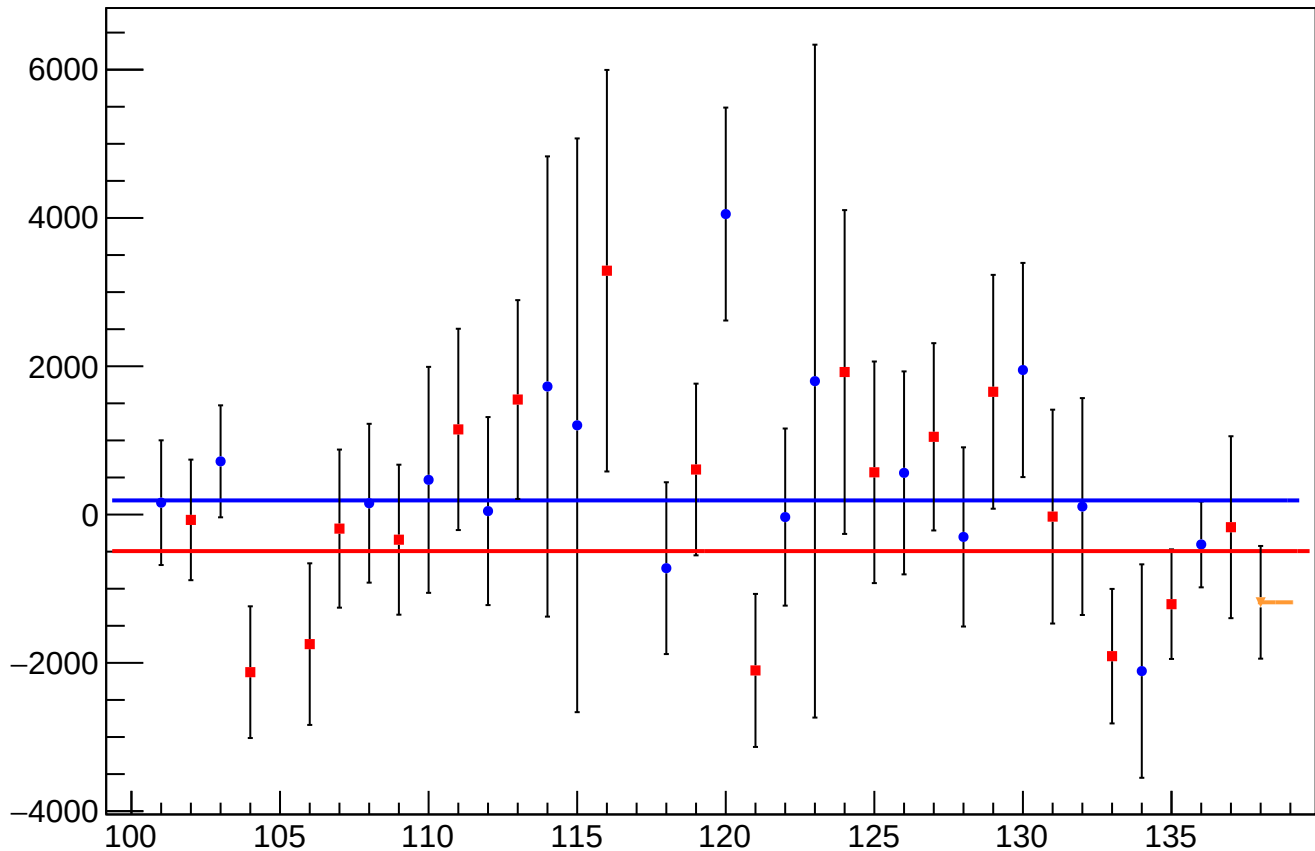
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 706.622+/-0.187  $\chi^2/\text{NDF}$ : 667859.5/17

All: 699.559+/-0.133  $\chi^2/\text{NDF}$ : 1327682.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_dd\_mean vs Slug



Right In:  $190.880 \pm 278.670$   $\chi^2/\text{NDF}$ : 14.2/16

Left Out:  $-1183.379 \pm 759.960$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-492.784 \pm 264.629$   $\chi^2/\text{NDF}$ : 22.8/17

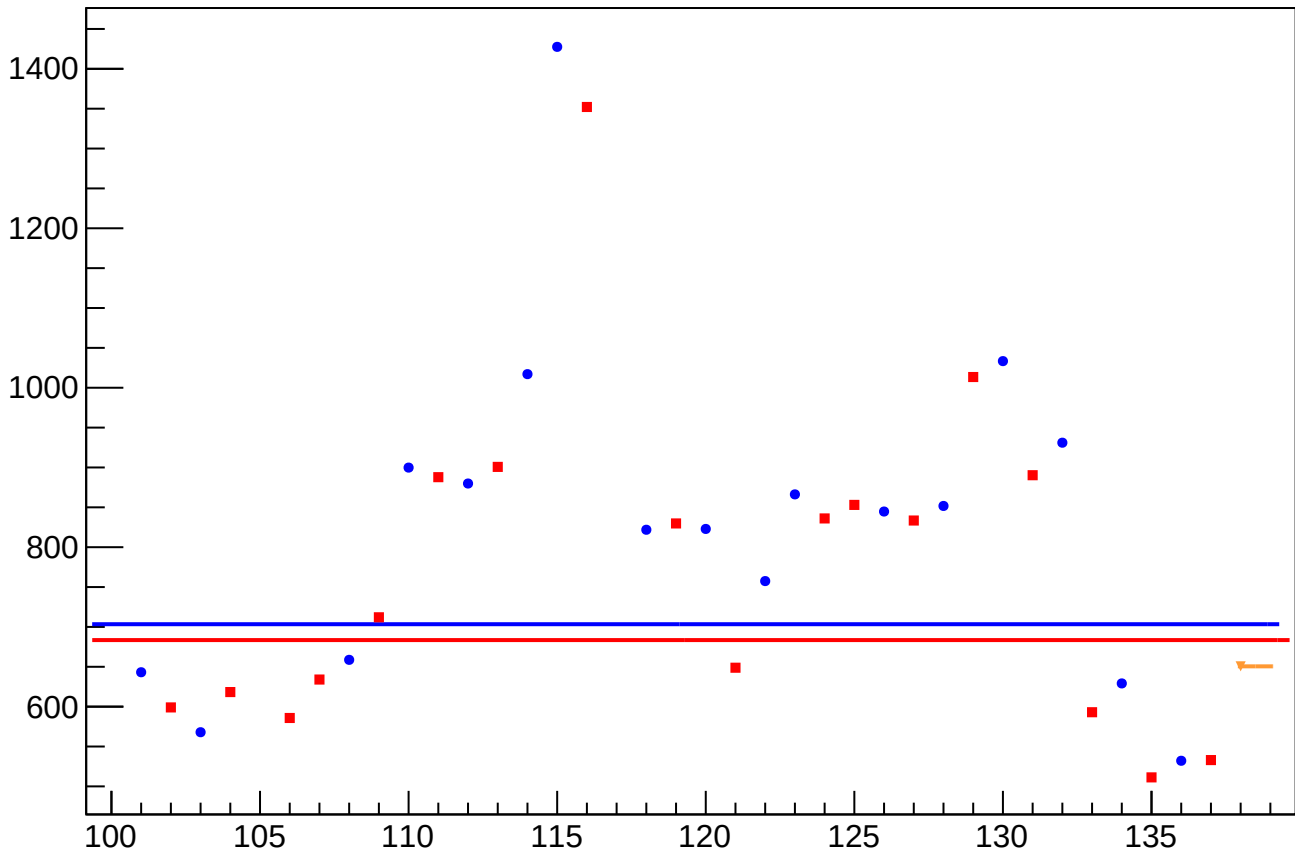
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $27.996 \pm 261.635$   $\chi^2/\text{NDF}$ : 17.1/17

All:  $-229.431 \pm 186.053$   $\chi^2/\text{NDF}$ : 41.8/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_dd\_rms vs Slug



Right In:  $703.406 \pm 0.197$   $\chi^2/\text{NDF}$ : 666885.8/16

Left Out:  $650.553 \pm 0.537$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $683.493 \pm 0.187$   $\chi^2/\text{NDF}$ : 659356.0/17

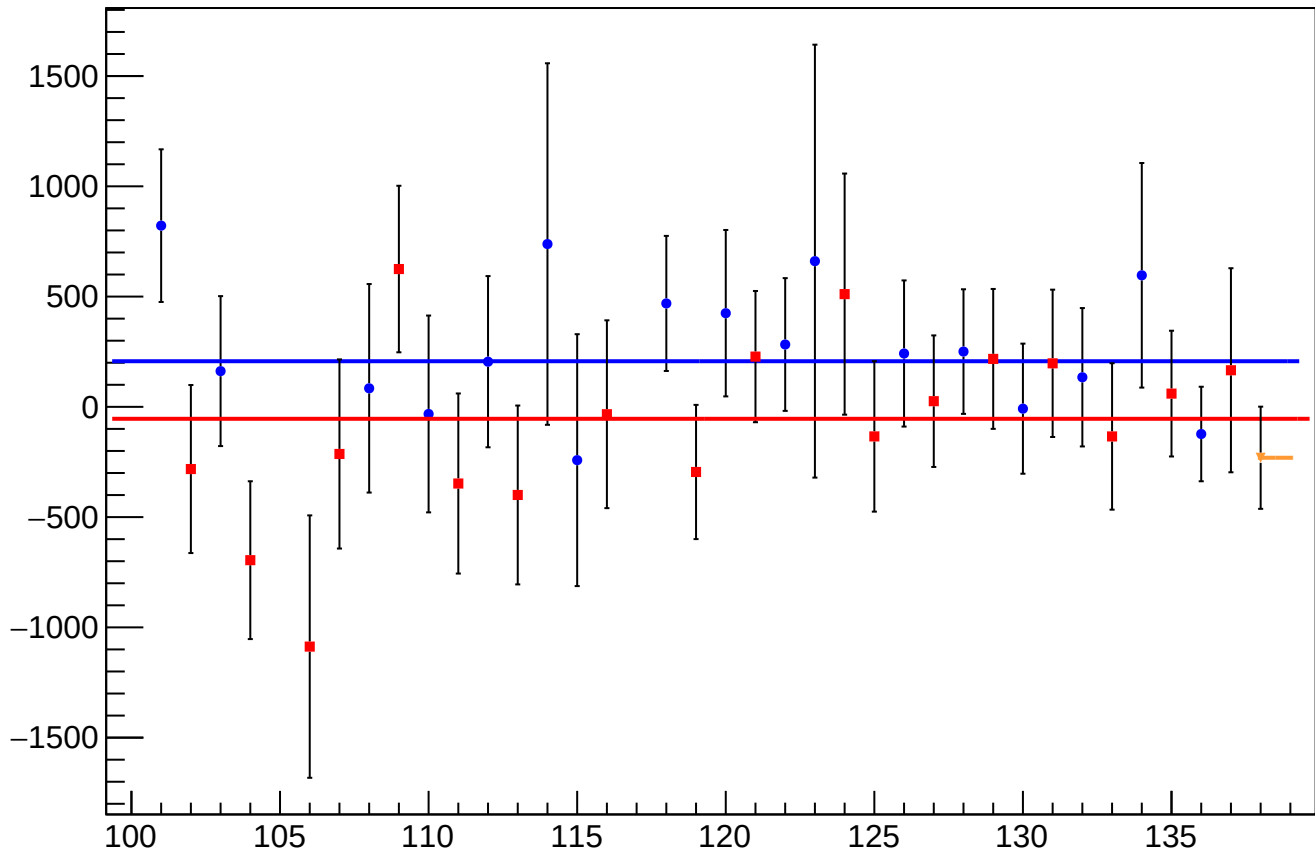
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $697.142 \pm 0.185$   $\chi^2/\text{NDF}$ : 675412.9/17

All:  $690.395 \pm 0.132$   $\chi^2/\text{NDF}$ : 1337459.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_26\_dd\_mean vs Slug



Right In: 206.874 $\pm$ 85.632  $\chi^2$ /NDF: 9.5/16

Left Out: -230.856 $\pm$ 231.675  $\chi^2$ /NDF: 0.0/0

Right Out: -54.185 $\pm$ 85.192  $\chi^2$ /NDF: 15.7/17

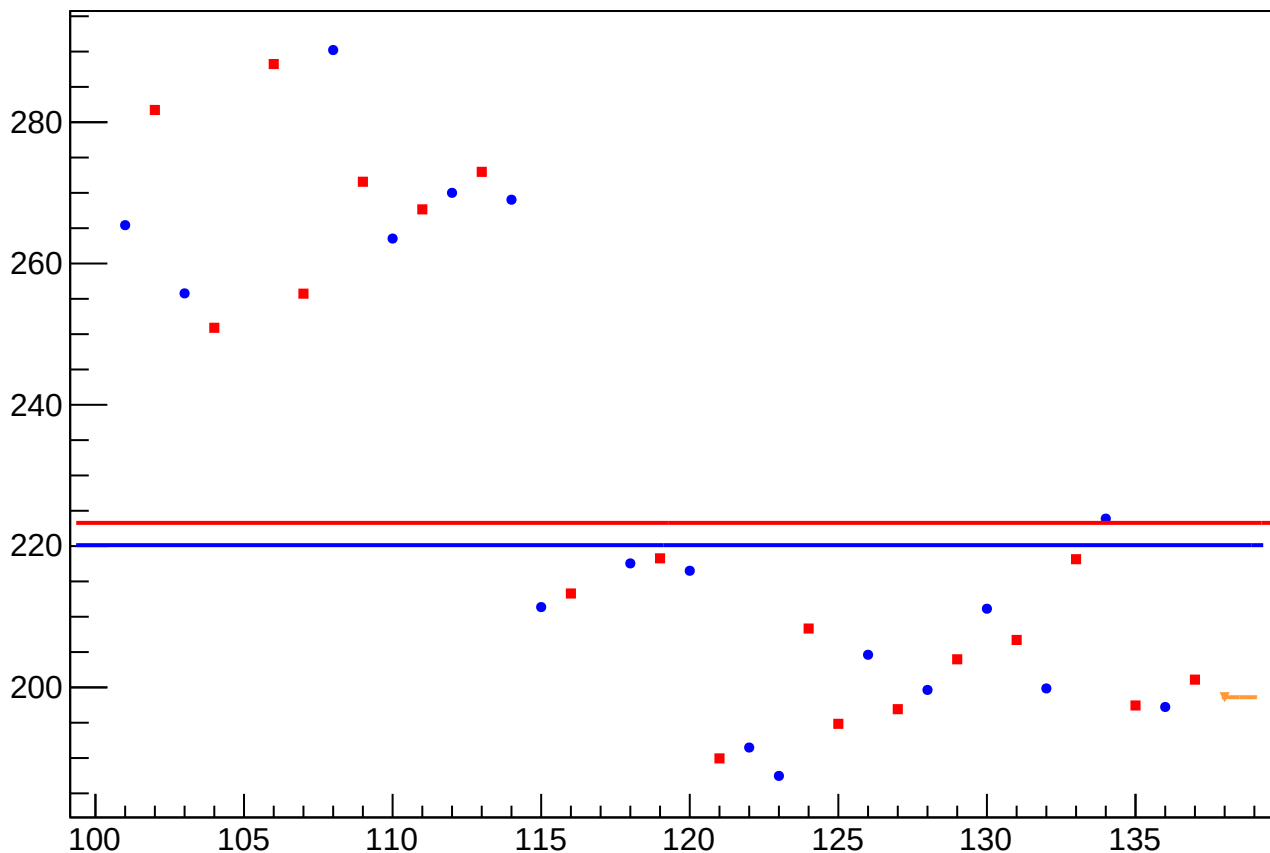
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 154.260 $\pm$ 80.321  $\chi^2$ /NDF: 12.6/17

All: 56.168 $\pm$ 58.442  $\chi^2$ /NDF: 31.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_26\_dd\_rms vs Slug



Right In: 220.133+/-0.061  $\chi^2/\text{NDF}$ : 228444.0/16

Left Out: 198.609+/-0.164  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 223.287+/-0.060  $\chi^2/\text{NDF}$ : 272255.2/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

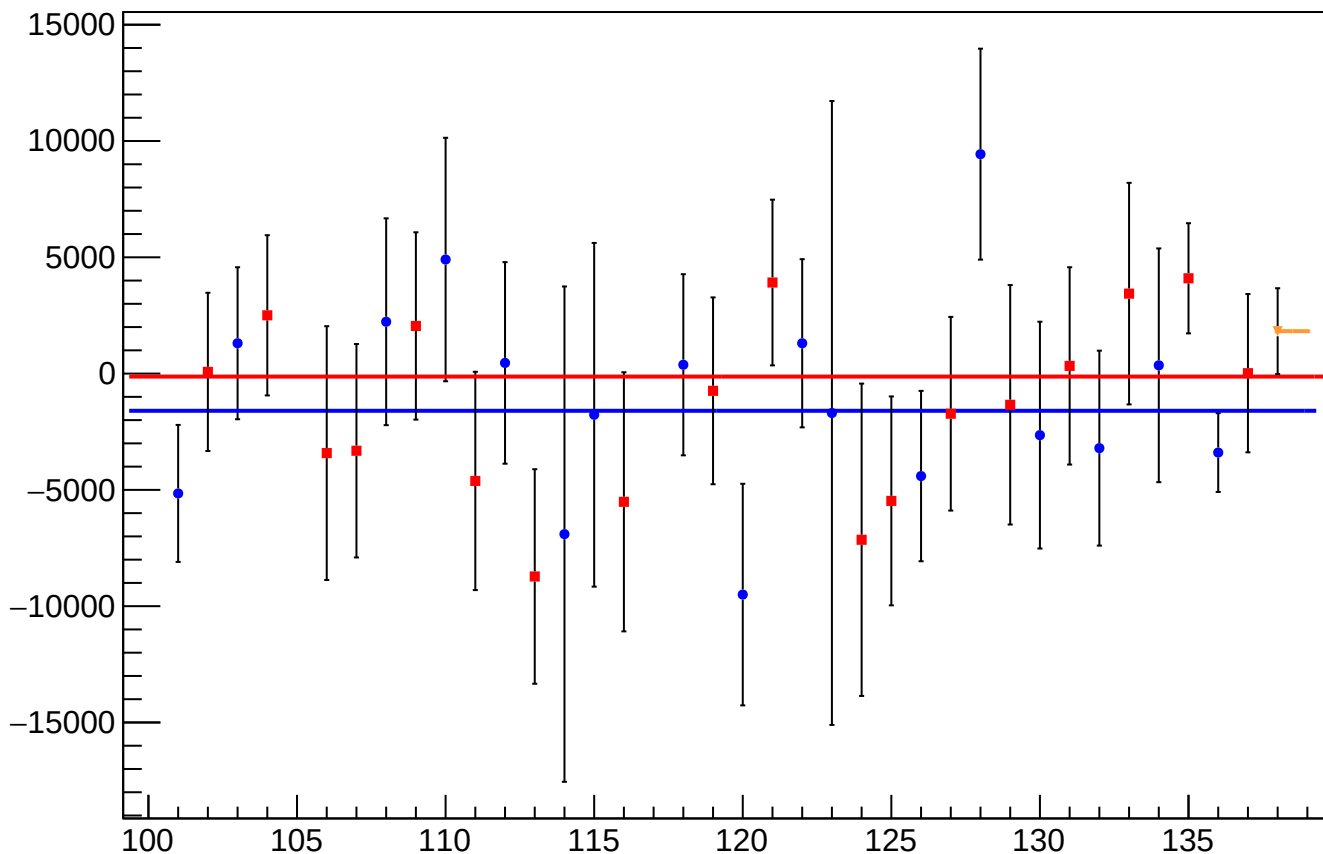
+ sign 217.546+/-0.057  $\chi^2/\text{NDF}$ : 243631.3/17

All: 220.248+/-0.041  $\chi^2/\text{NDF}$ : 520696.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_26\_dd\_correction\_mean vs Slug



Right In: -1599.045 $\pm$ 921.042  $\chi^2$ /NDF: 16.6/16

Left Out: 1823.950 $\pm$ 1846.487  $\chi^2$ /NDF: 0.0/0

Right Out: -127.760 $\pm$ 949.094  $\chi^2$ /NDF: 14.8/17

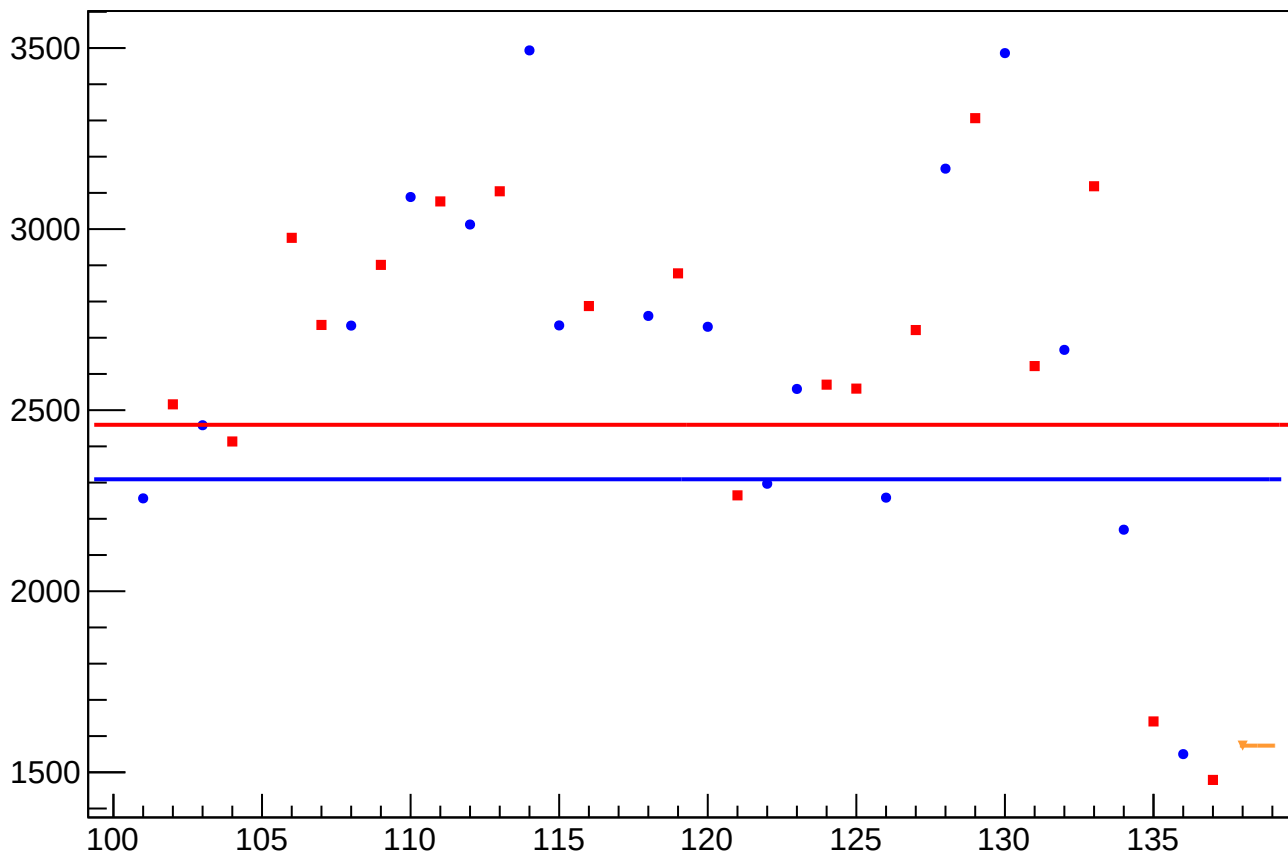
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -917.057 $\pm$ 824.198  $\chi^2$ /NDF: 19.4/17

All: -577.726 $\pm$ 622.302  $\chi^2$ /NDF: 34.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_dd\_correction\_rms vs Slug



Right In: 2309.132 $\pm$ 0.651  $\chi^2$ /NDF: 800728.2/16

Left Out: 1573.627 $\pm$ 1.306  $\chi^2$ /NDF: 0.0/0

Right Out: 2459.603 $\pm$ 0.671  $\chi^2$ /NDF: 668179.2/17

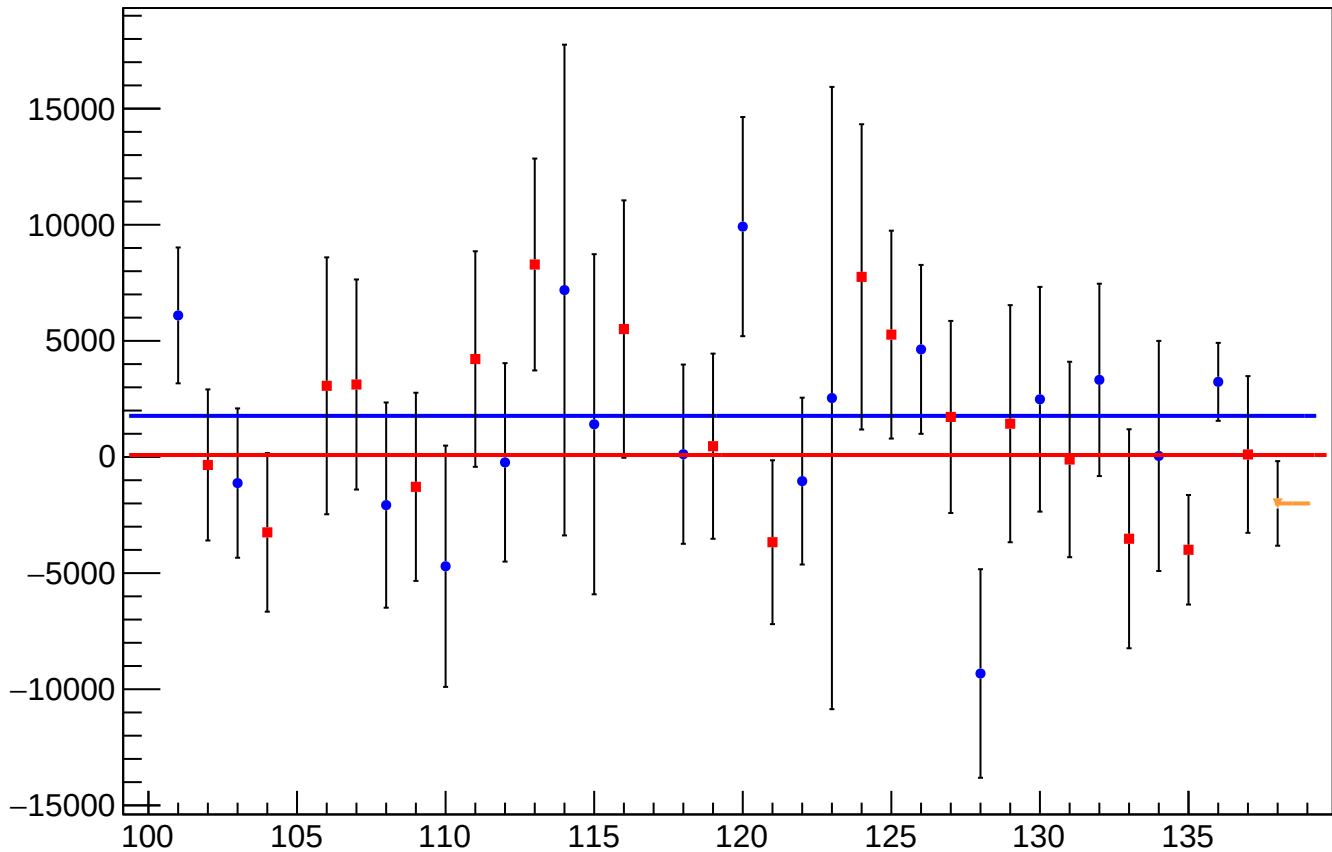
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 2162.592 $\pm$ 0.583  $\chi^2$ /NDF: 1054832.9/17

All: 2290.282 $\pm$ 0.440  $\chi^2$ /NDF: 1834672.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_dd\_mean vs Slug



Right In: 1771.279+/-912.328  $\chi^2/\text{NDF}$ : 17.3/16

Left Out: -1999.222+/-1820.933  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 86.080+/-939.852  $\chi^2/\text{NDF}$ : 14.5/17

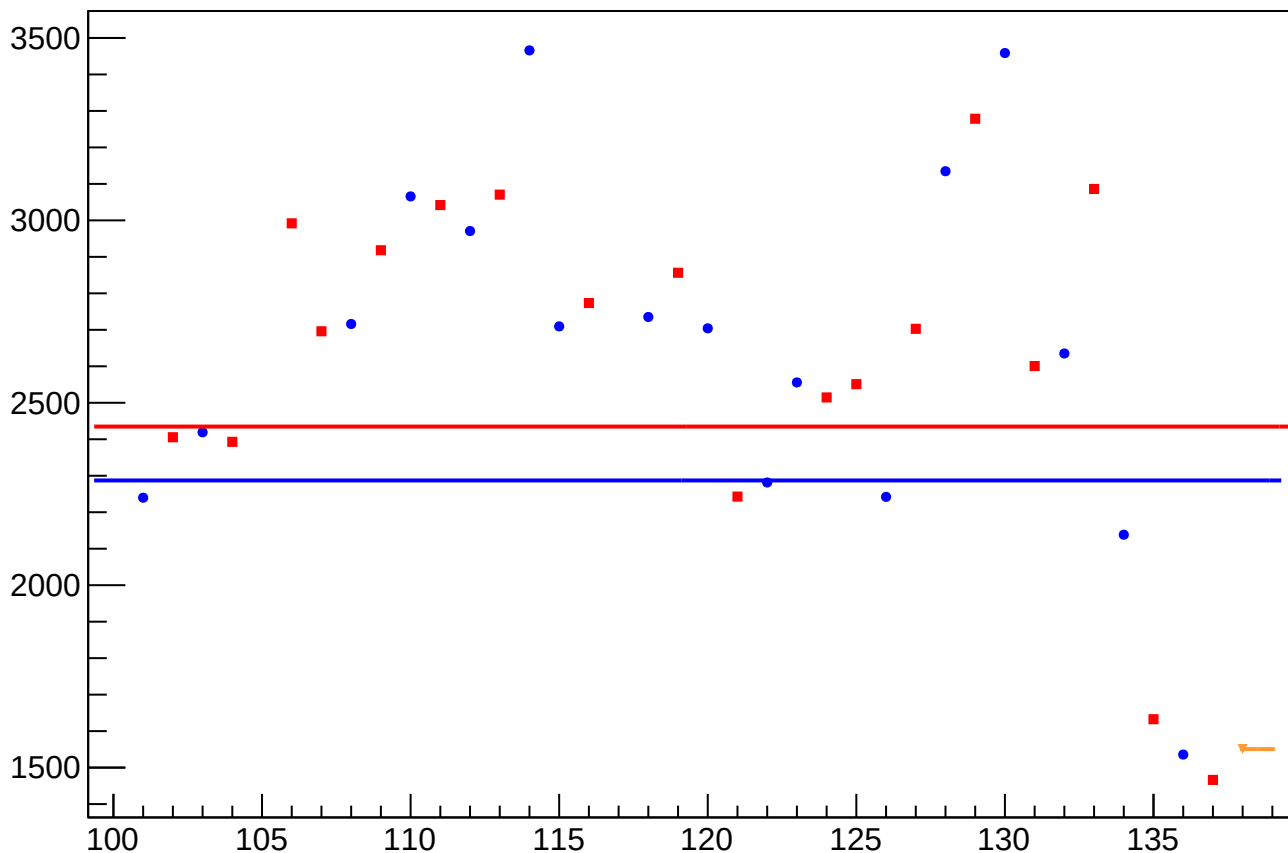
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1014.712+/-815.677  $\chi^2/\text{NDF}$ : 20.8/17

All: 615.755+/-616.029  $\chi^2/\text{NDF}$ : 35.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_dd\_rms vs Slug



Right In: 2287.102+/-0.645  $\chi^2/\text{NDF}$ : 799399.0/16

Left Out: 1550.714+/-1.288  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2434.786+/-0.665  $\chi^2/\text{NDF}$ : 666938.3/17

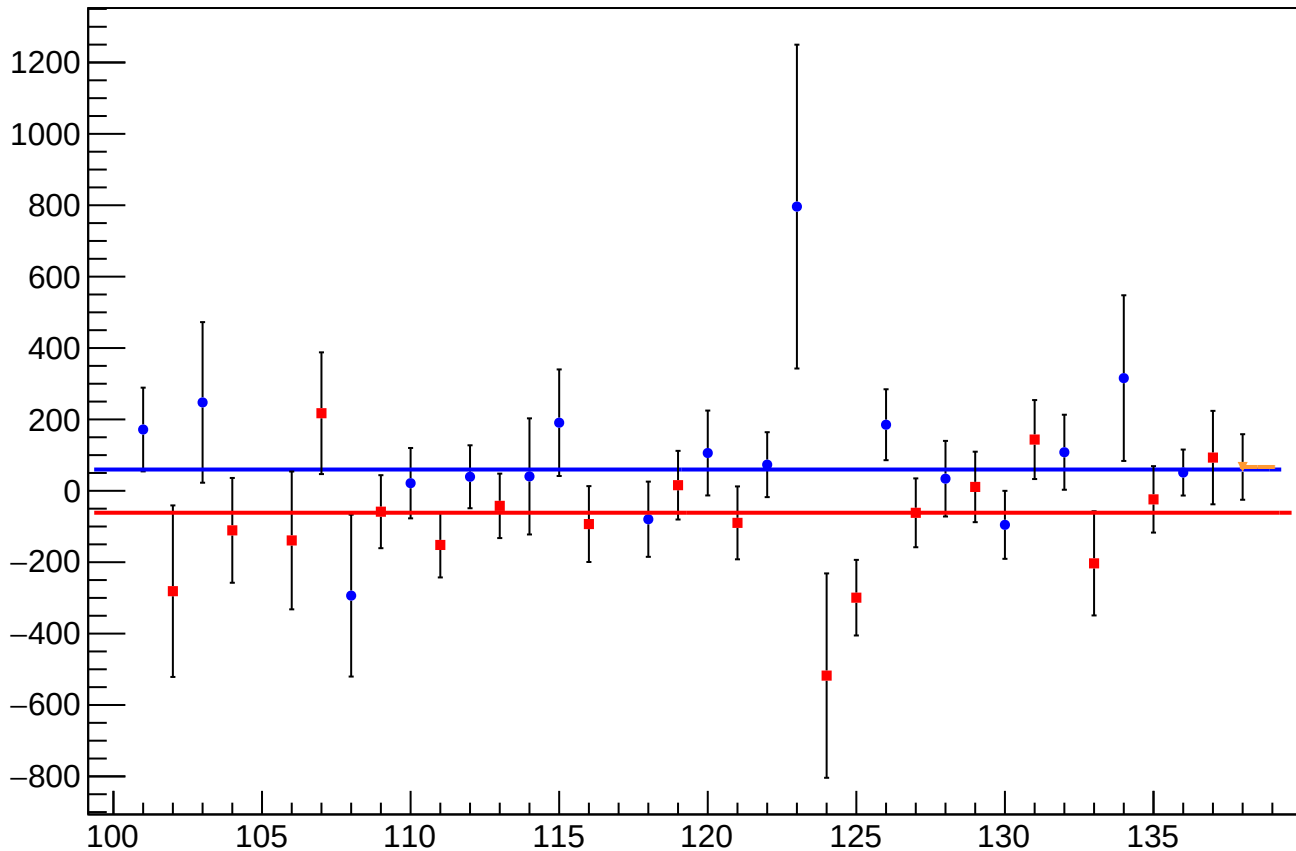
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 2139.342+/-0.577  $\chi^2/\text{NDF}$ : 1060849.6/17

All: 2266.270+/-0.436  $\chi^2/\text{NDF}$ : 1840514.2/39

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_dd\_mean vs Slug



Right In: 59.656 $\pm$ 27.080  $\chi^2$ /NDF: 15.3/16

Left Out: 66.779 $\pm$ 91.829  $\chi^2$ /NDF: 0.0/0

Right Out: -61.399 $\pm$ 27.011  $\chi^2$ /NDF: 19.7/17

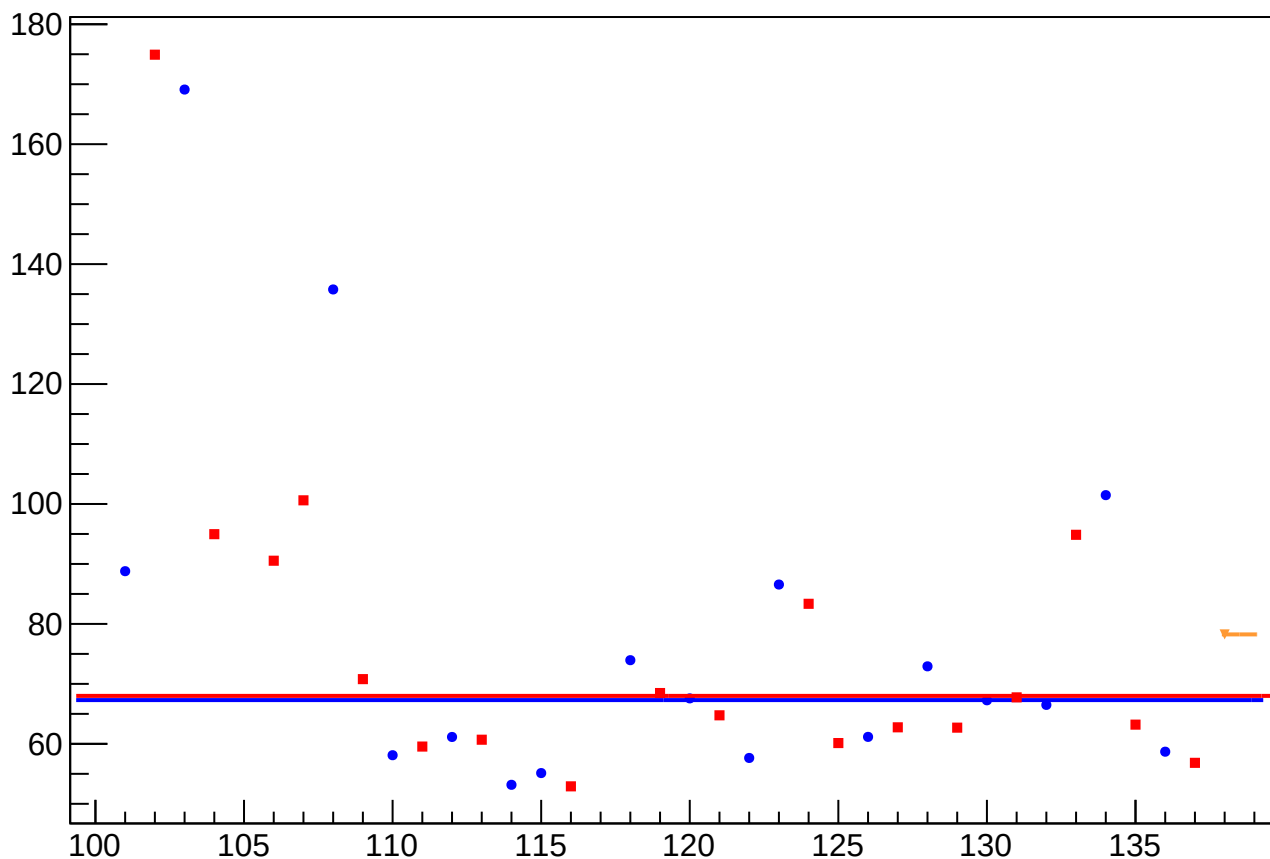
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 60.226 $\pm$ 25.974  $\chi^2$ /NDF: 15.3/17

All: 1.793 $\pm$ 18.722  $\chi^2$ /NDF: 45.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_37\_dd\_rms vs Slug



Right In: 67.297+/-0.019  $\chi^2/\text{NDF}$ : 841352.2/16

Left Out: 78.250+/-0.065  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 67.998+/-0.019  $\chi^2/\text{NDF}$ : 754329.7/17

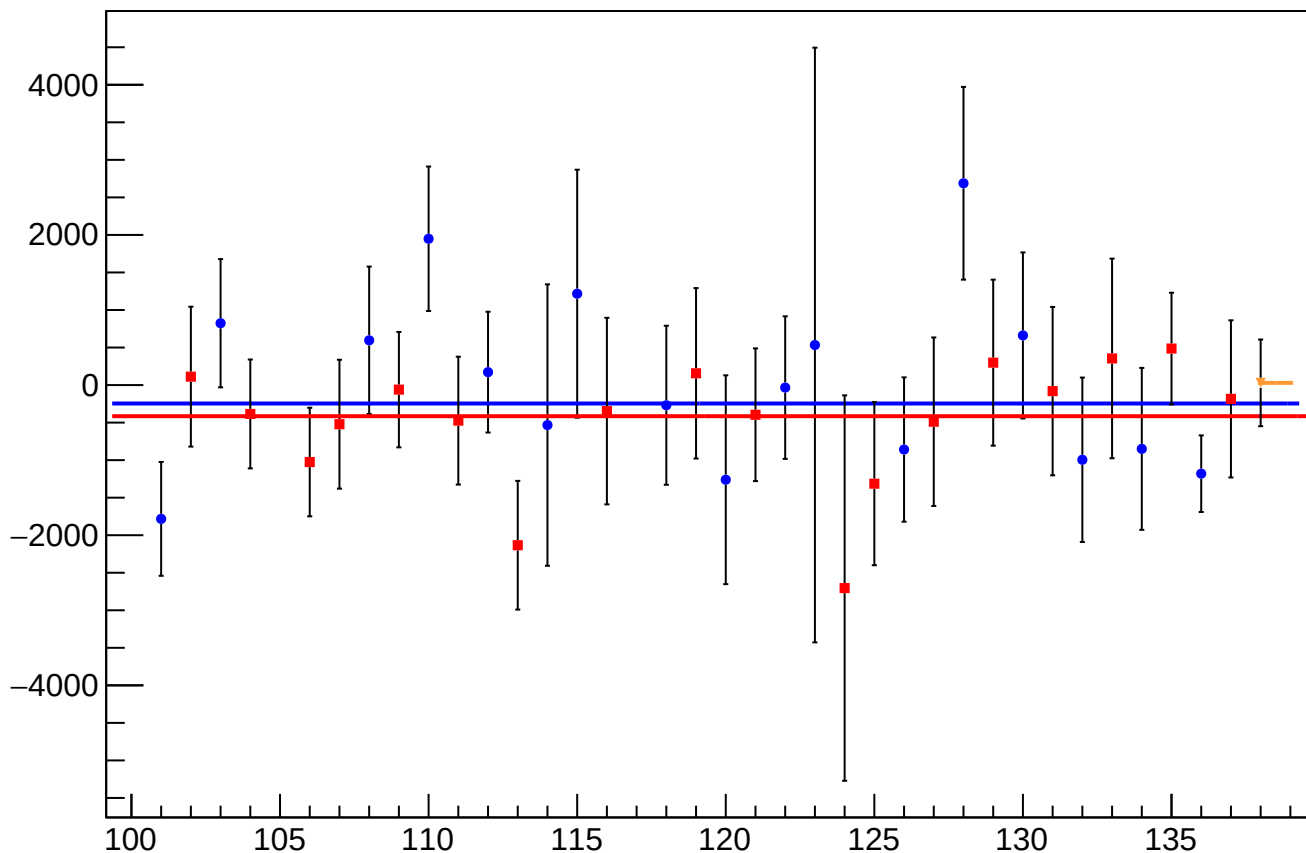
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 68.173+/-0.018  $\chi^2/\text{NDF}$ : 867530.1/17

All: 68.089+/-0.013  $\chi^2/\text{NDF}$ : 1621903.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_dd\_correction\_mean vs Slug



Right In:  $-245.631 \pm 235.404$   $\chi^2/\text{NDF}$ : 23.8/16

Left Out:  $29.285 \pm 577.325$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-414.725 \pm 222.788$   $\chi^2/\text{NDF}$ : 9.4/17

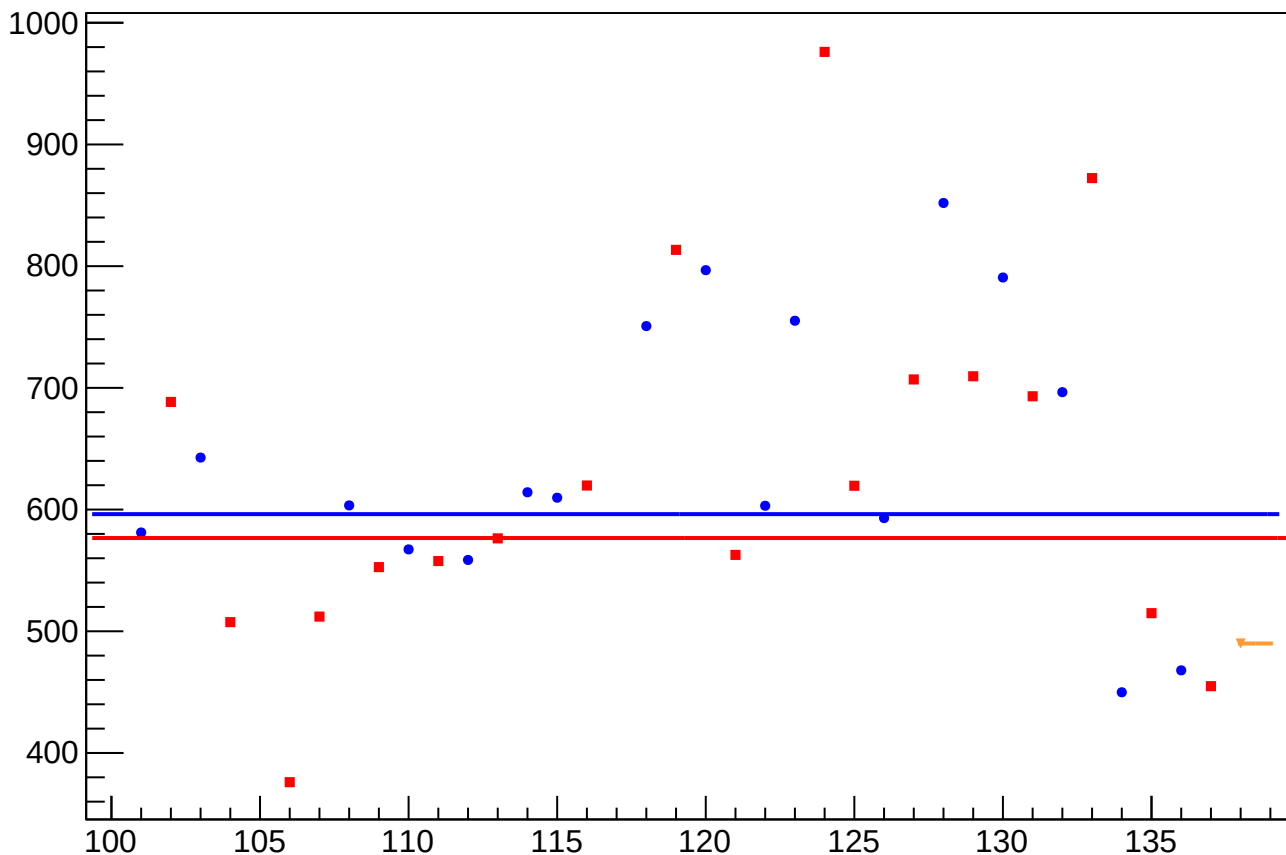
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-206.440 \pm 217.980$   $\chi^2/\text{NDF}$ : 24.0/17

All:  $-308.311 \pm 155.807$   $\chi^2/\text{NDF}$ : 33.8/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_dd\_correction\_rms vs Slug



Right In: 596.246 $\pm$ 0.166  $\chi^2$ /NDF: 422153.3/16

Left Out: 489.958 $\pm$ 0.408  $\chi^2$ /NDF: 0.0/0

Right Out: 576.614 $\pm$ 0.158  $\chi^2$ /NDF: 573658.2/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

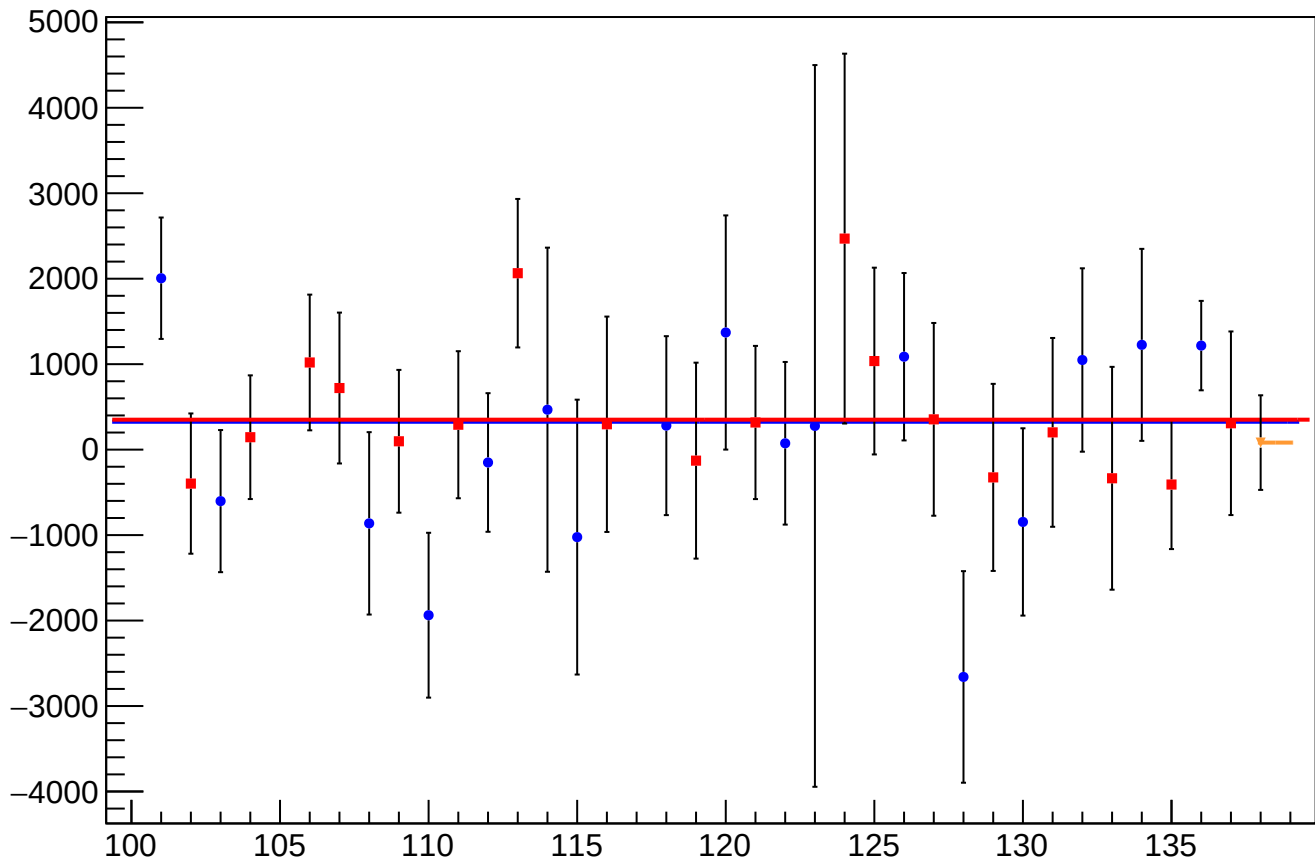
+ sign 581.094 $\pm$ 0.154  $\chi^2$ /NDF: 480278.2/17

All: 578.903 $\pm$ 0.110  $\chi^2$ /NDF: 1054349.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_37\_dd\_mean vs Slug



Right In:  $326.077 \pm 235.599$   $\chi^2/\text{NDF}$ : 26.9/16

Left Out:  $82.340 \pm 553.490$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $350.392 \pm 225.254$   $\chi^2/\text{NDF}$ : 9.0/17

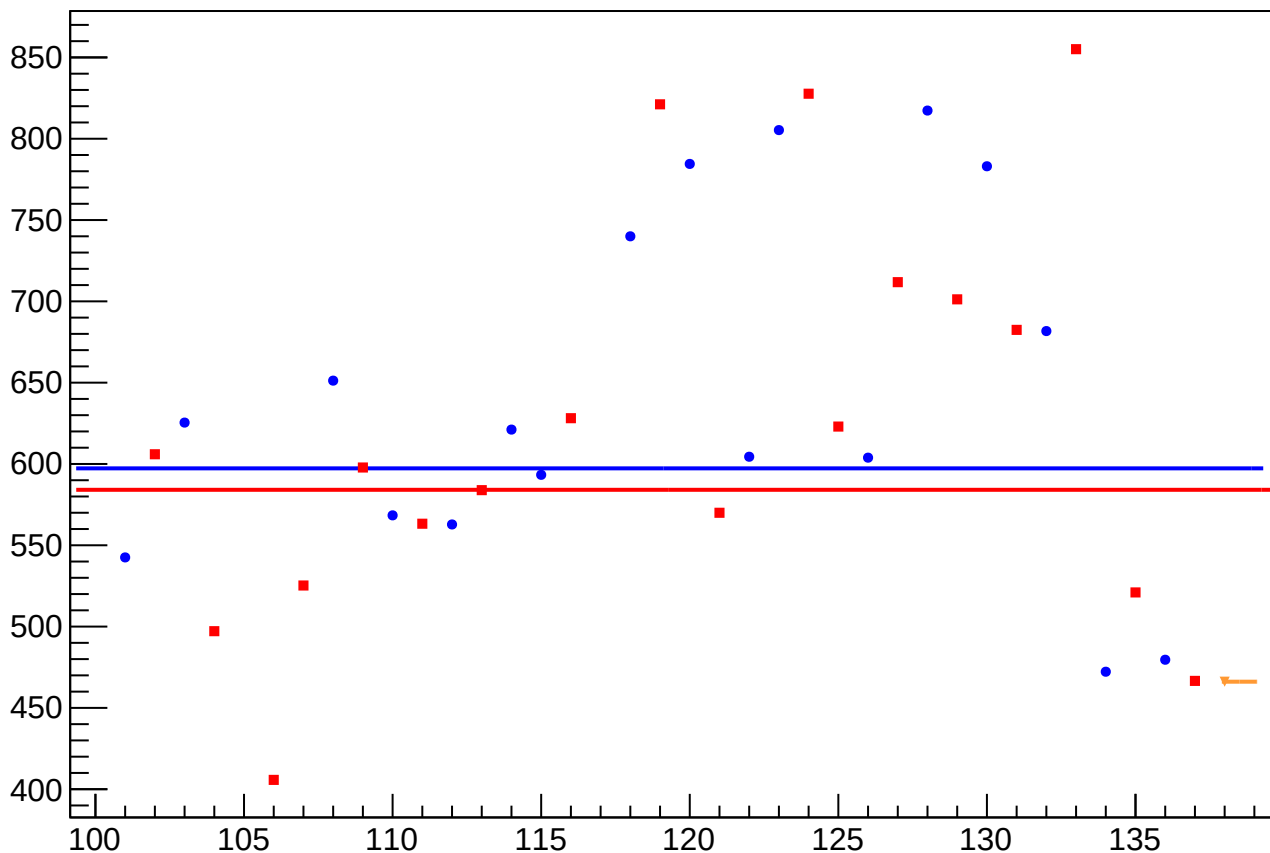
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $288.689 \pm 216.778$   $\chi^2/\text{NDF}$ : 27.0/17

All:  $318.357 \pm 156.196$   $\chi^2/\text{NDF}$ : 36.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_dd\_rms vs Slug



Right In: 597.298 $\pm$ 0.167  $\chi^2$ /NDF: 363658.5/16

Left Out: 466.112 $\pm$ 0.391  $\chi^2$ /NDF: 0.0/0

Right Out: 584.112 $\pm$ 0.159  $\chi^2$ /NDF: 446882.7/17

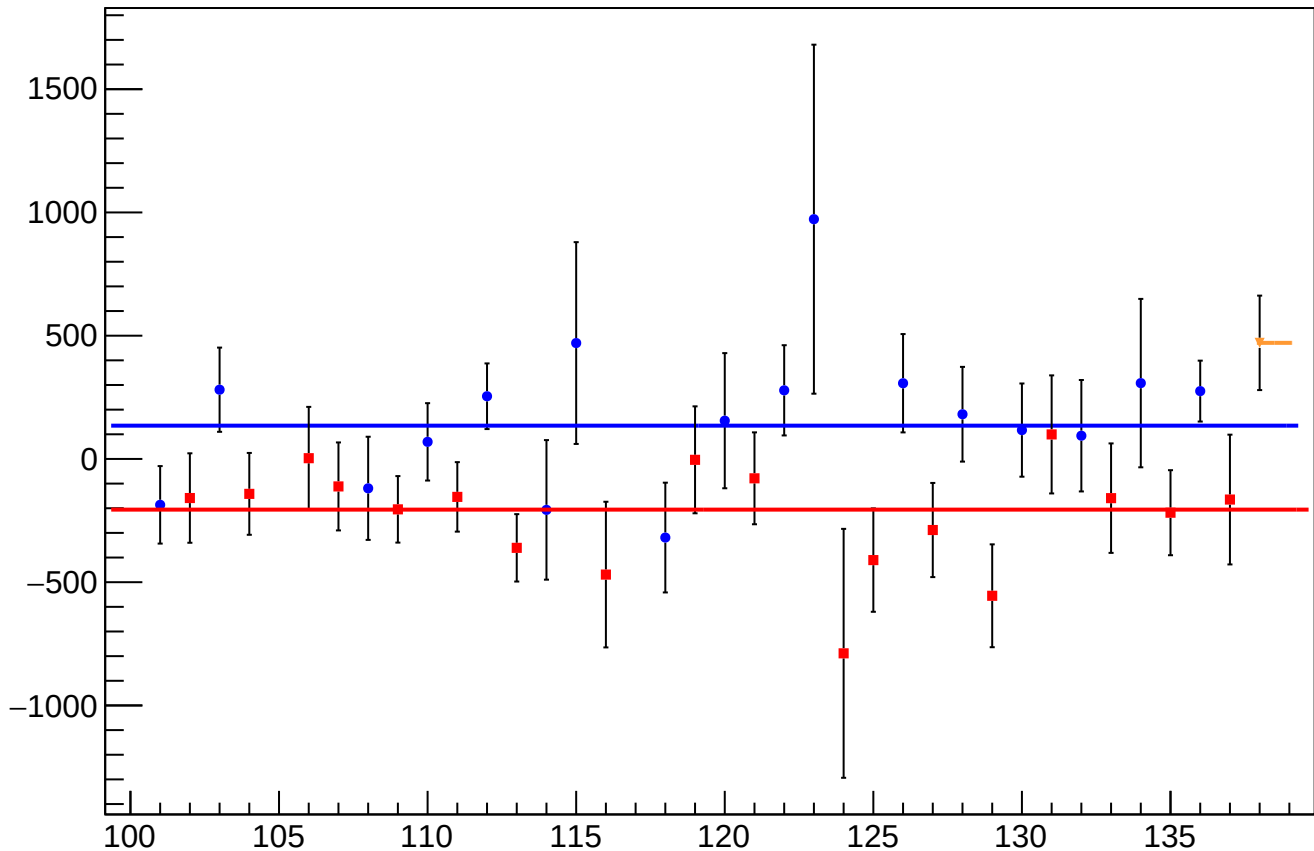
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 577.175 $\pm$ 0.153  $\chi^2$ /NDF: 458777.8/17

All: 580.510 $\pm$ 0.110  $\chi^2$ /NDF: 906645.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_48\_dd\_mean vs Slug



Right In: 135.029+/-47.025  $\chi^2/\text{NDF}$ : 18.1/16

Left Out: 470.949+/-191.604  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -205.590+/-44.536  $\chi^2/\text{NDF}$ : 12.0/17

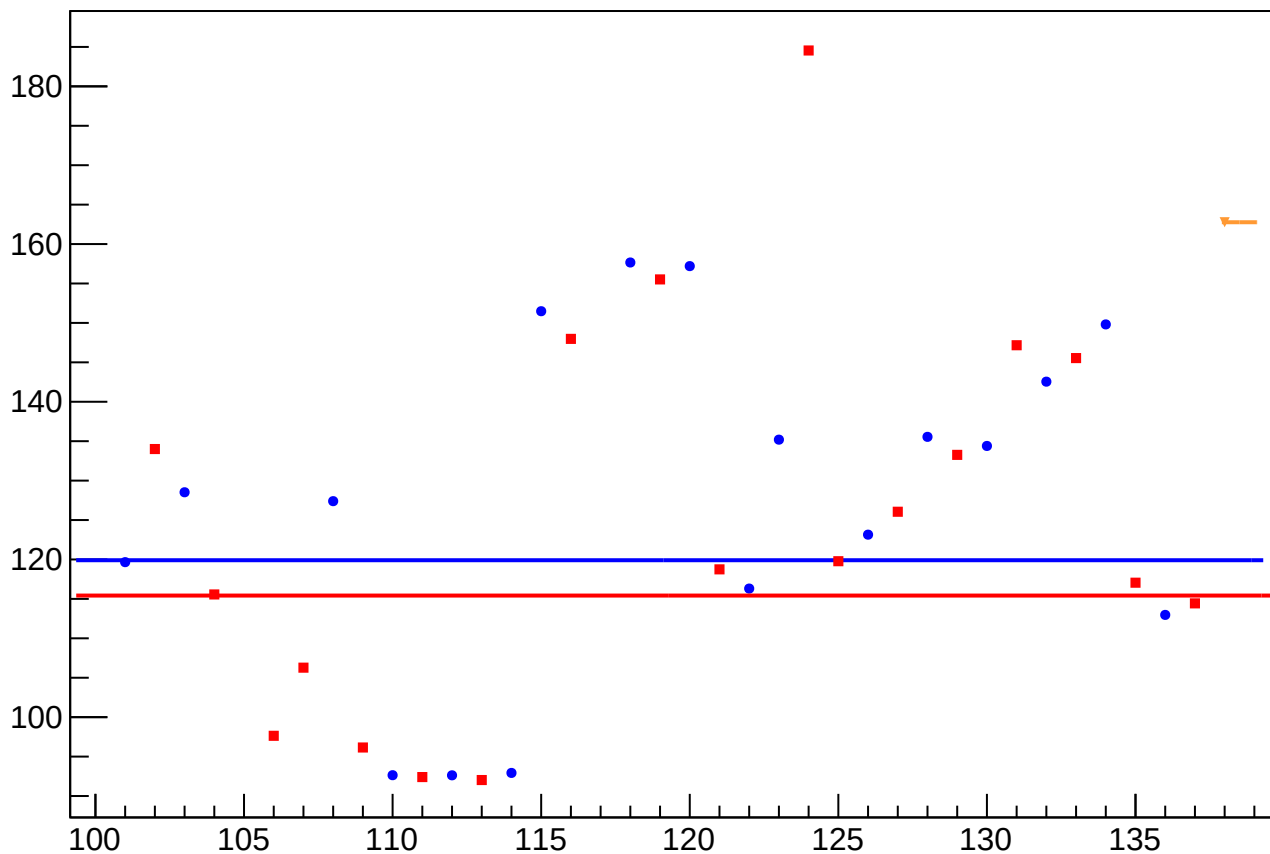
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 154.113+/-45.669  $\chi^2/\text{NDF}$ : 20.9/17

All: -30.259+/-31.885  $\chi^2/\text{NDF}$ : 64.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_48\_dd\_rms vs Slug



Right In: 119.903+/-0.033  $\chi^2/\text{NDF}$ : 345510.5/16

Left Out: 162.767+/-0.135  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 115.422+/-0.031  $\chi^2/\text{NDF}$ : 418100.5/17

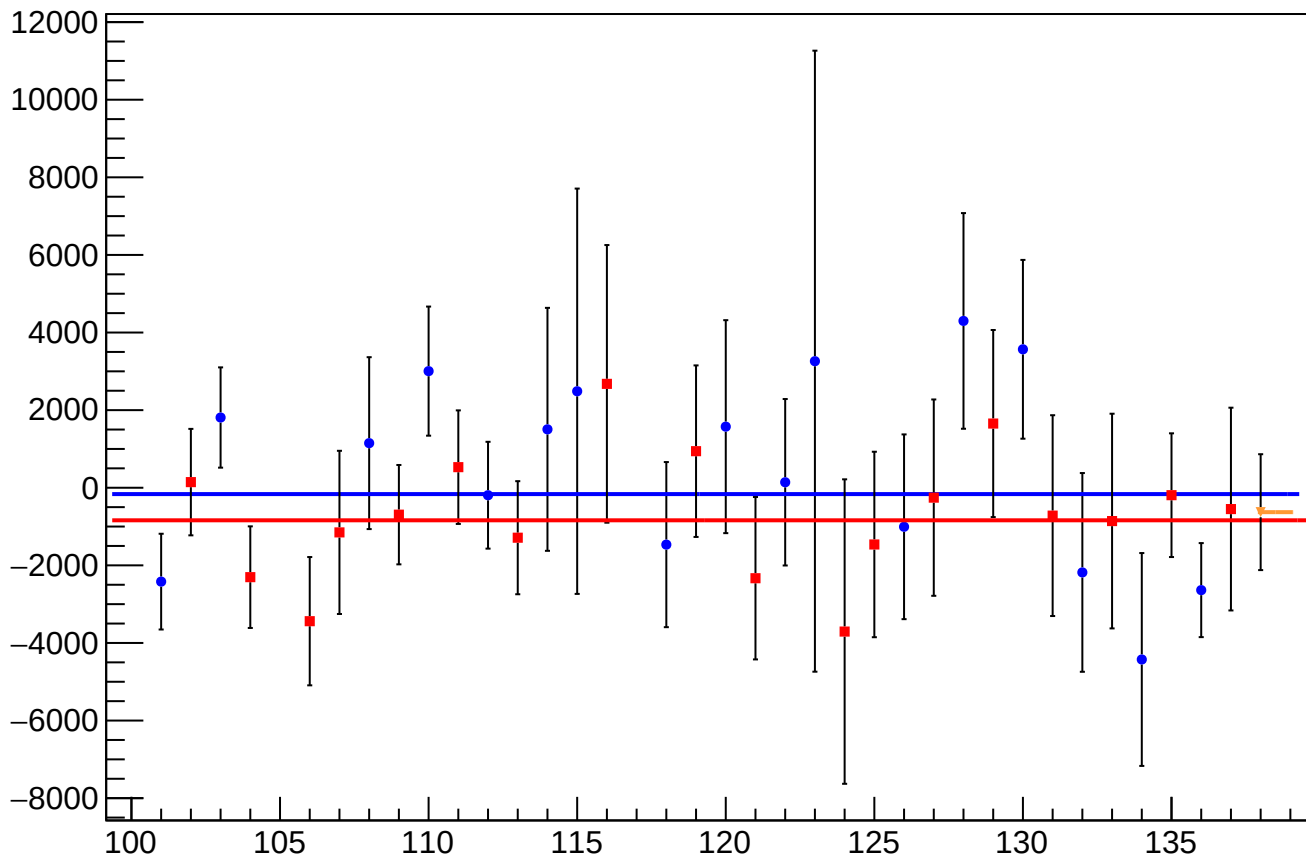
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 122.339+/-0.032  $\chi^2/\text{NDF}$ : 439917.8/17

All: 118.793+/-0.023  $\chi^2/\text{NDF}$ : 881530.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_48\_dd\_correction\_mean vs Slug



Right In: -163.538 $\pm$ 469.592  $\chi^2$ /NDF: 23.7/16

Left Out: -629.105 $\pm$ 1493.207  $\chi^2$ /NDF:0.0/0

Right Out: -839.187 $\pm$ 440.476  $\chi^2$ /NDF: 9.3/17

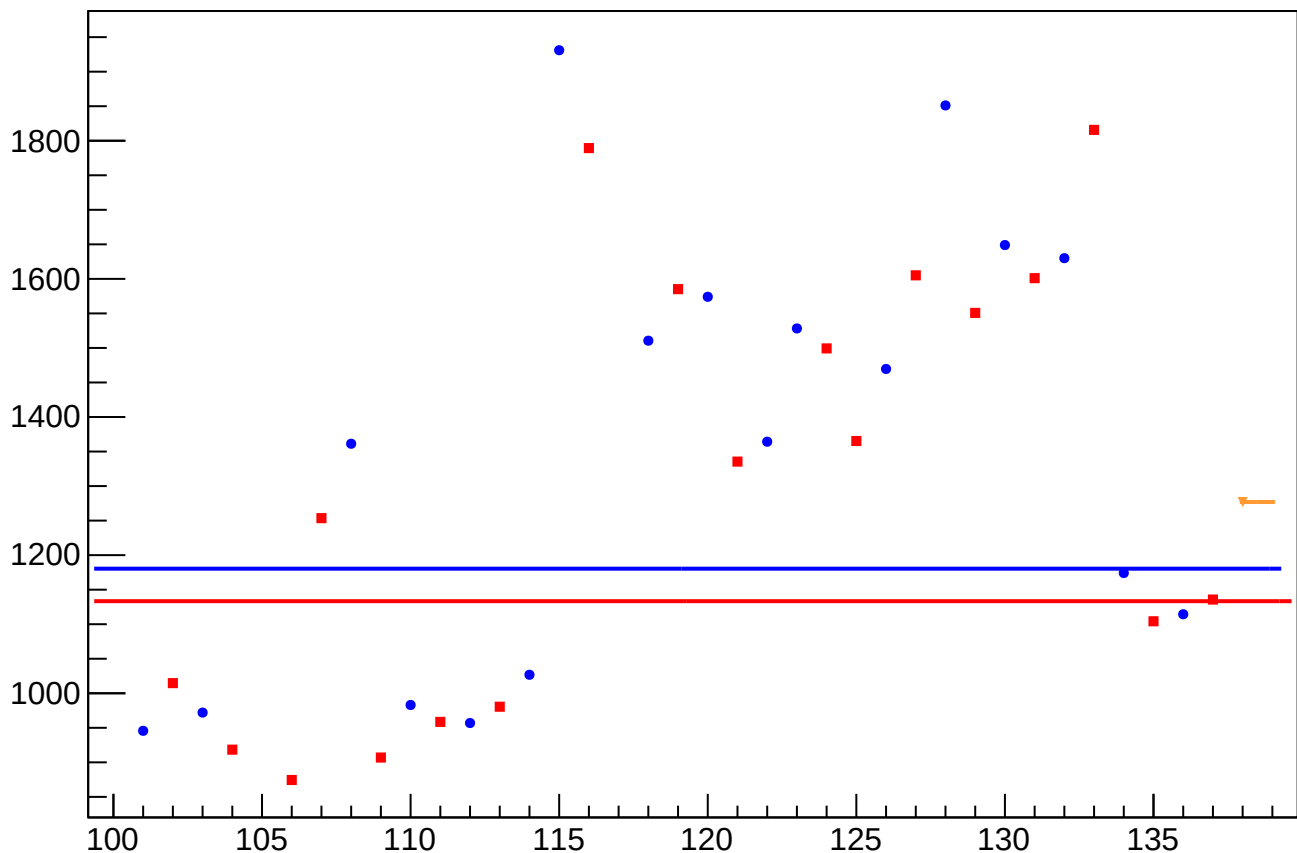
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign -205.439 $\pm$ 447.962  $\chi^2$ /NDF: 23.8/17

All: -527.652 $\pm$ 314.077  $\chi^2$ /NDF: 34.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_dd\_correction\_rms vs Slug



Right In: 1180.403+/-0.332  $\chi^2/\text{NDF}$ : 668845.5/16

Left Out: 1276.933+/-1.056  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1133.347+/-0.311  $\chi^2/\text{NDF}$ : 760395.8/17

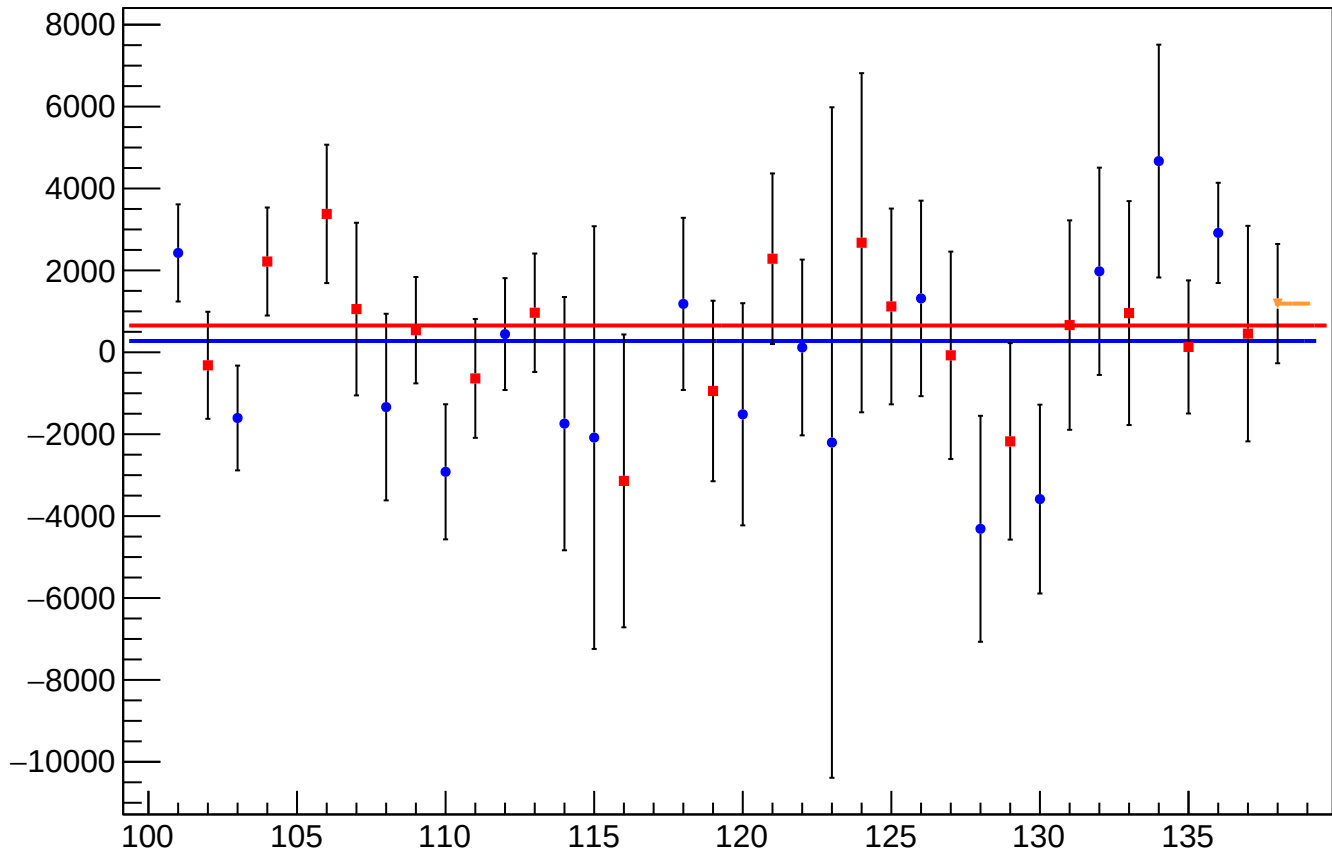
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1189.091+/-0.317  $\chi^2/\text{NDF}$ : 676451.6/17

All: 1160.749+/-0.222  $\chi^2/\text{NDF}$ : 1452593.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_48\_dd\_mean vs Slug



Right In: 276.422+/-466.424  $\chi^2/\text{NDF}$ : 24.3/16

Left Out: 1188.936+/-1456.583  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 654.406+/-439.824  $\chi^2/\text{NDF}$ : 9.6/17

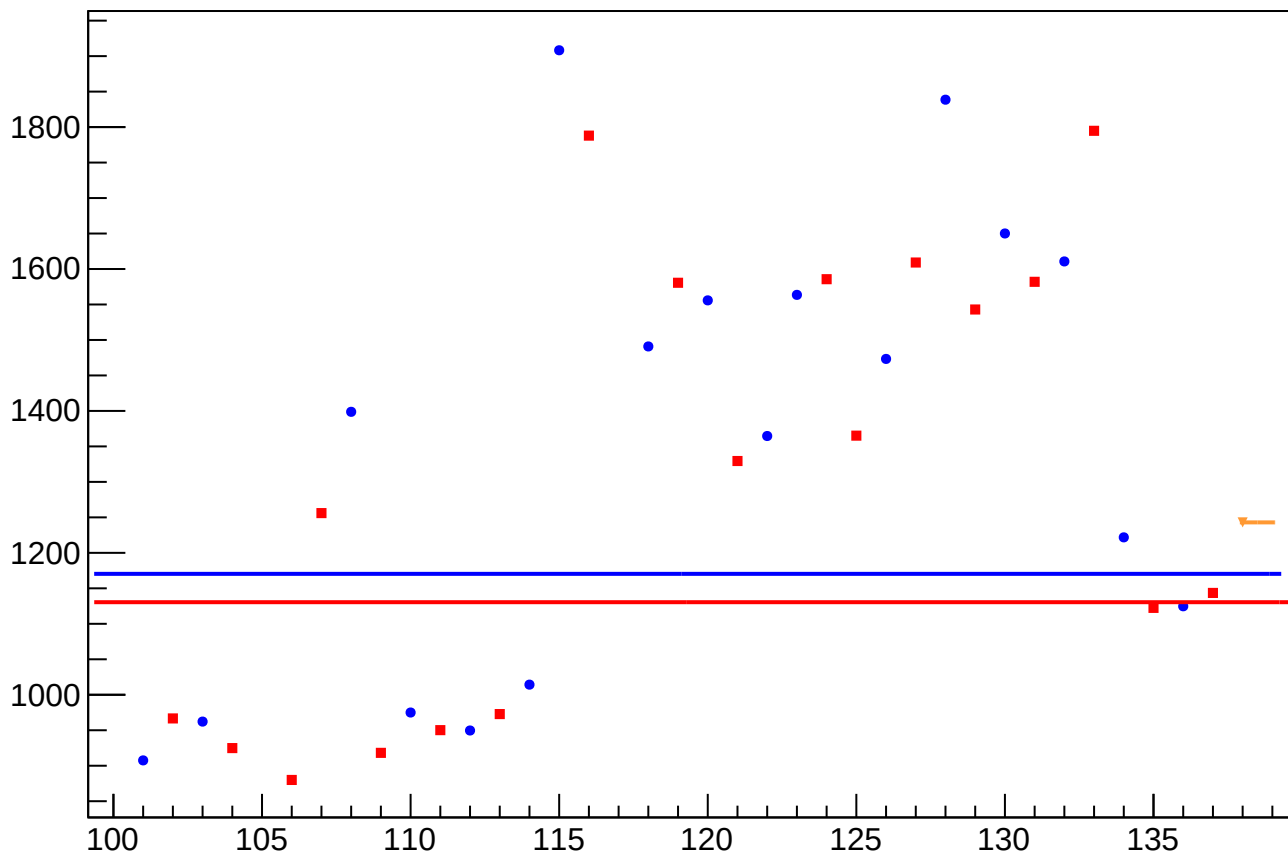
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 361.288+/-444.206  $\chi^2/\text{NDF}$ : 24.7/17

All: 509.300+/-312.540  $\chi^2/\text{NDF}$ : 34.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_48\_dd\_rms vs Slug



Right In: 1170.404+/-0.330  $\chi^2/\text{NDF}$ : 705486.8/16

Left Out: 1242.923+/-1.030  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1130.456+/-0.311  $\chi^2/\text{NDF}$ : 763027.2/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

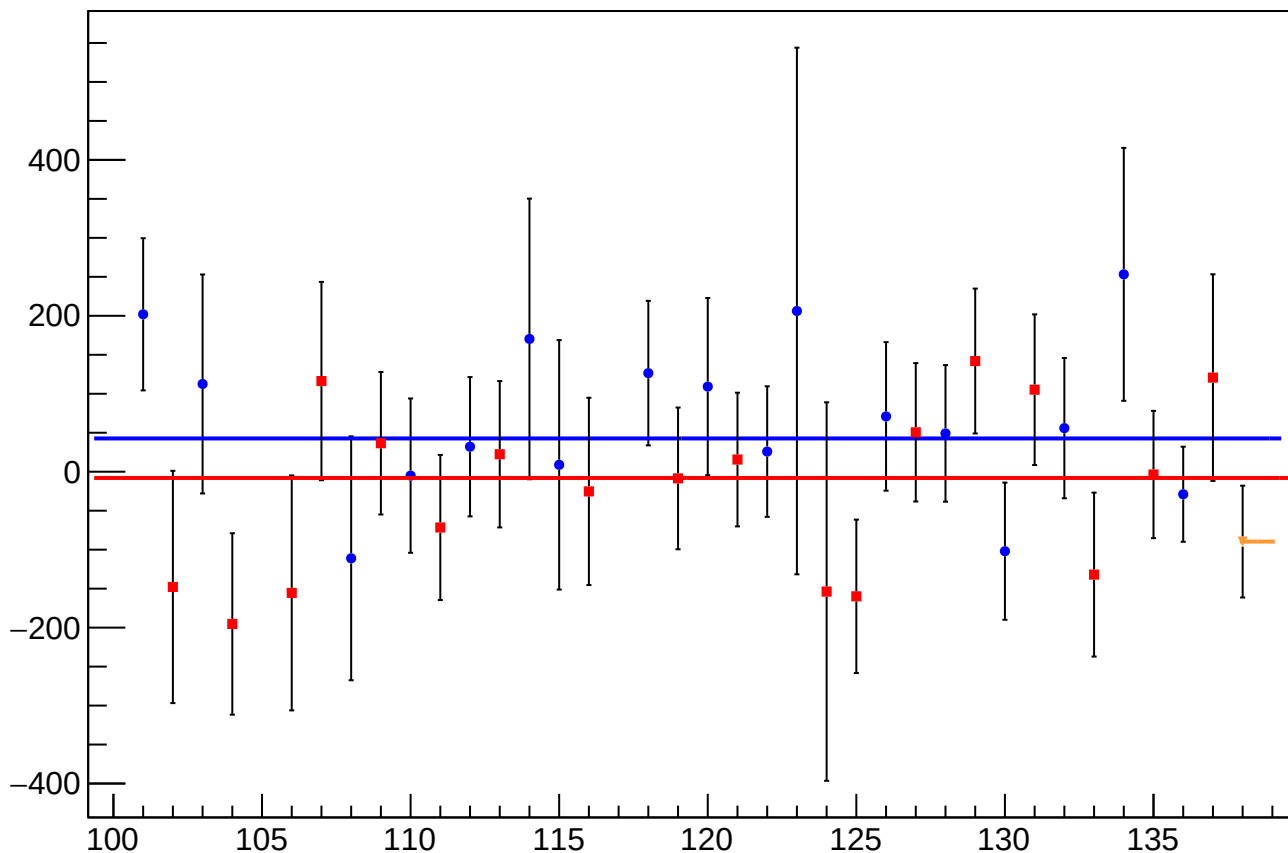
+ sign 1177.149+/-0.314  $\chi^2/\text{NDF}$ : 709983.2/17

All: 1153.571+/-0.221  $\chi^2/\text{NDF}$ : 1484169.0/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam\_13\_57\_dd\_mean vs Slug



Right In: 42.674 $\pm$ 24.701  $\chi^2$ /NDF: 12.0/16

Left Out: -89.652 $\pm$ 71.709  $\chi^2$ /NDF: 0.0/0

Right Out: -7.995 $\pm$ 24.492  $\chi^2$ /NDF: 15.8/17

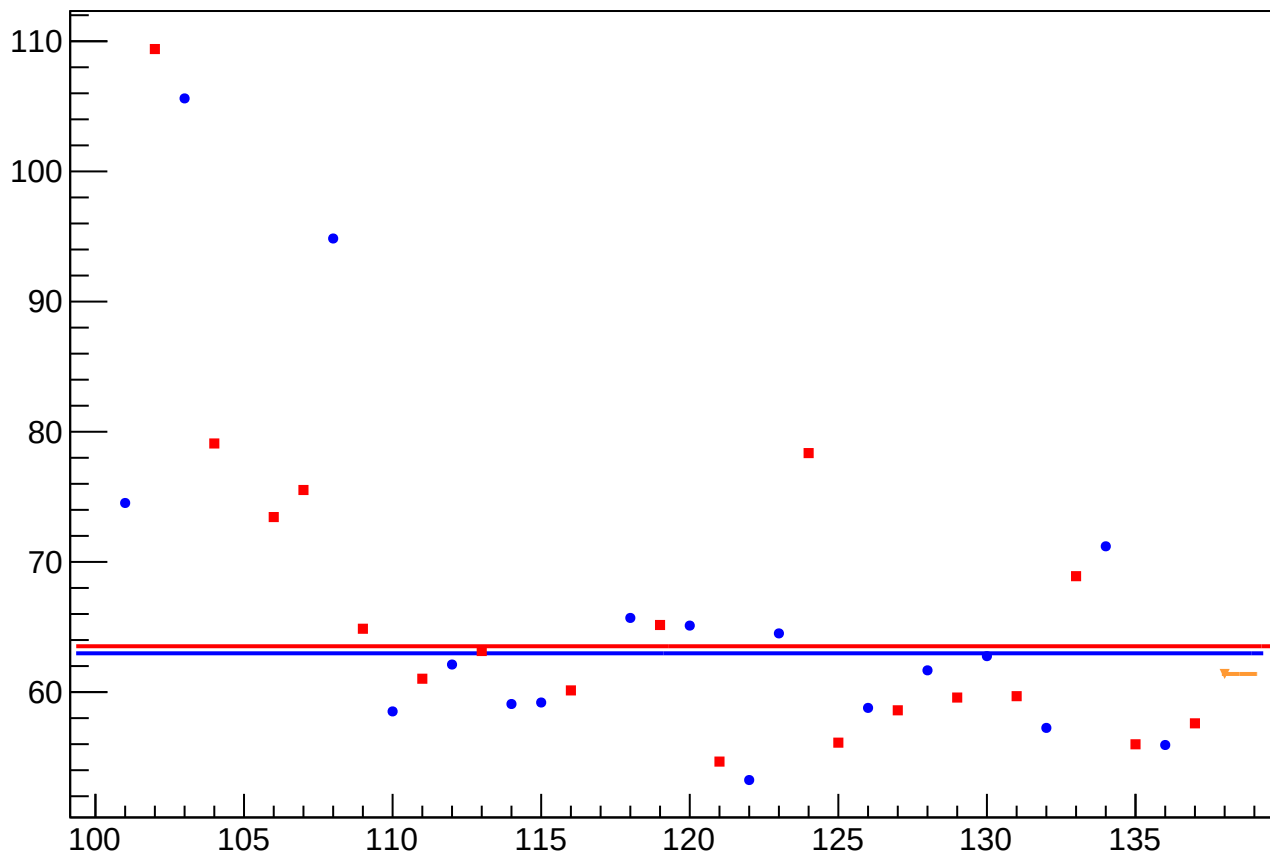
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 28.638 $\pm$ 23.354  $\chi^2$ /NDF: 15.0/17

All: 11.193 $\pm$ 16.902  $\chi^2$ /NDF: 32.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_13\_57\_dd\_rms vs Slug



Right In: 62.980+/-0.017  $\chi^2/\text{NDF}$ : 375263.3/16

Left Out: 61.393+/-0.051  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 63.522+/-0.017  $\chi^2/\text{NDF}$ : 335430.9/17

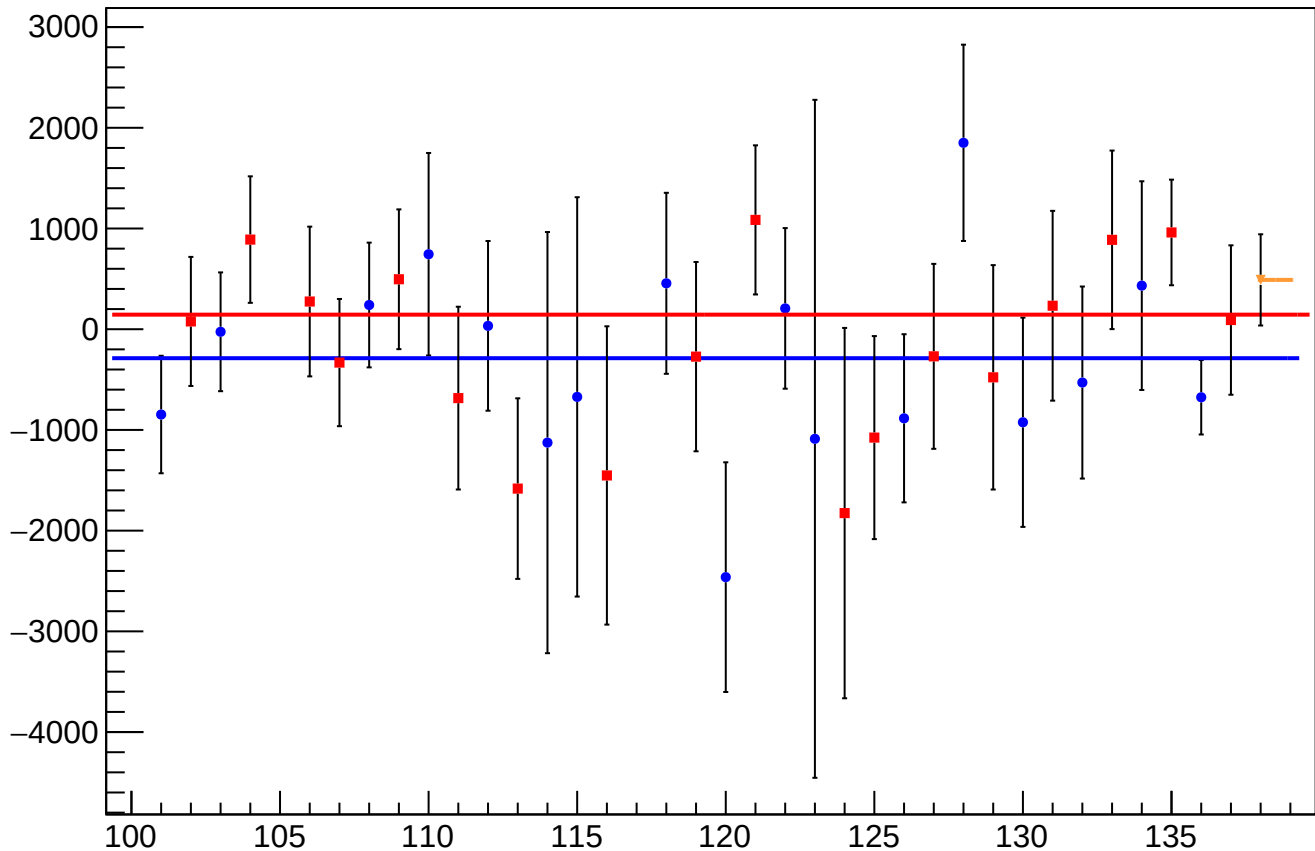
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 62.812+/-0.017  $\chi^2/\text{NDF}$ : 376139.5/17

All: 63.150+/-0.012  $\chi^2/\text{NDF}$ : 712451.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_13\_57\_dd\_correction\_mean vs Slug



Right In: -287.682+/-189.888  $\chi^2/\text{NDF}$ : 15.4/16

Left Out: 489.759+/-452.903  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 144.624+/-187.777  $\chi^2/\text{NDF}$ : 16.1/17

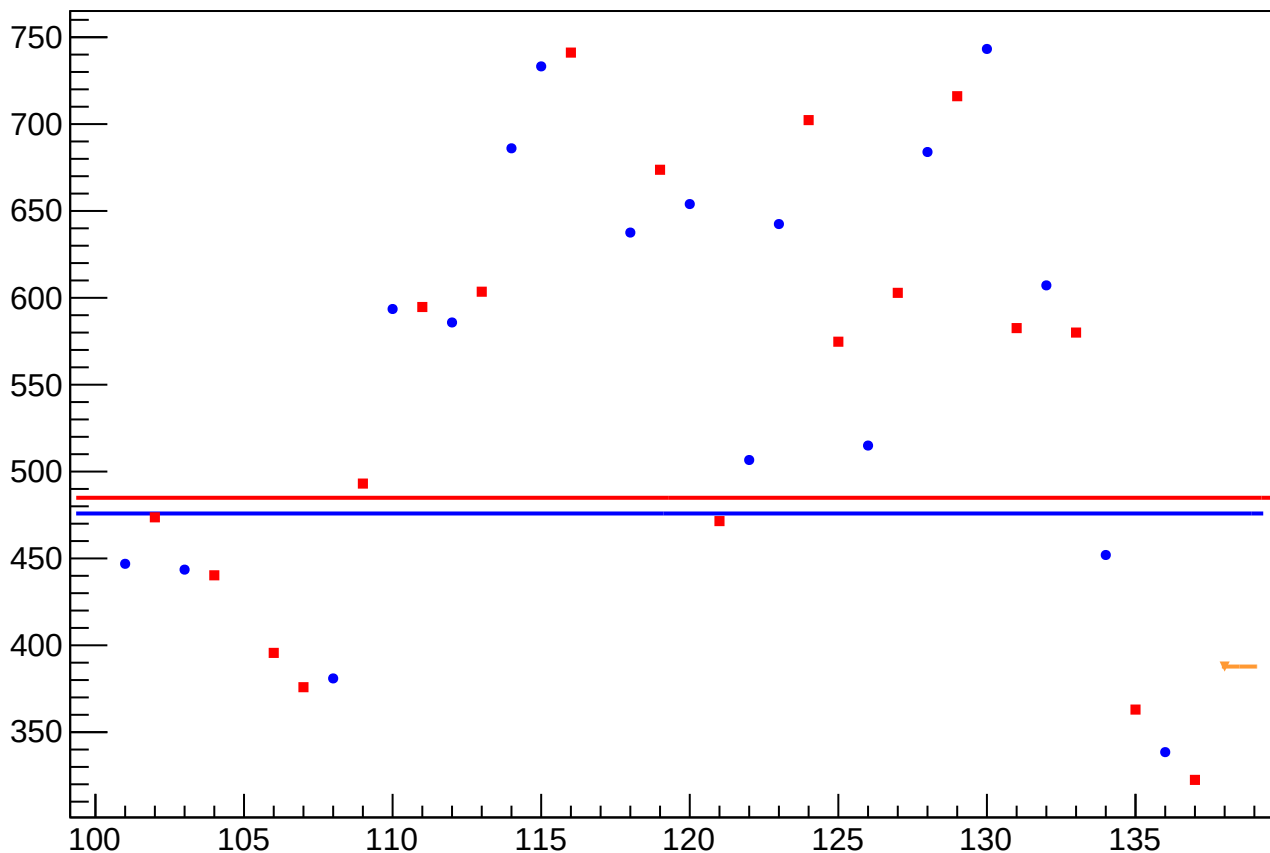
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -171.451+/-175.119  $\chi^2/\text{NDF}$ : 17.9/17

All: -24.425+/-128.069  $\chi^2/\text{NDF}$ : 35.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_13\_57\_dd\_correction\_rms vs Slug



Right In: 475.871+/-0.134  $\chi^2/\text{NDF}$ : 837808.5/16

Left Out: 387.768+/-0.320  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 484.914+/-0.133  $\chi^2/\text{NDF}$ : 716315.8/17

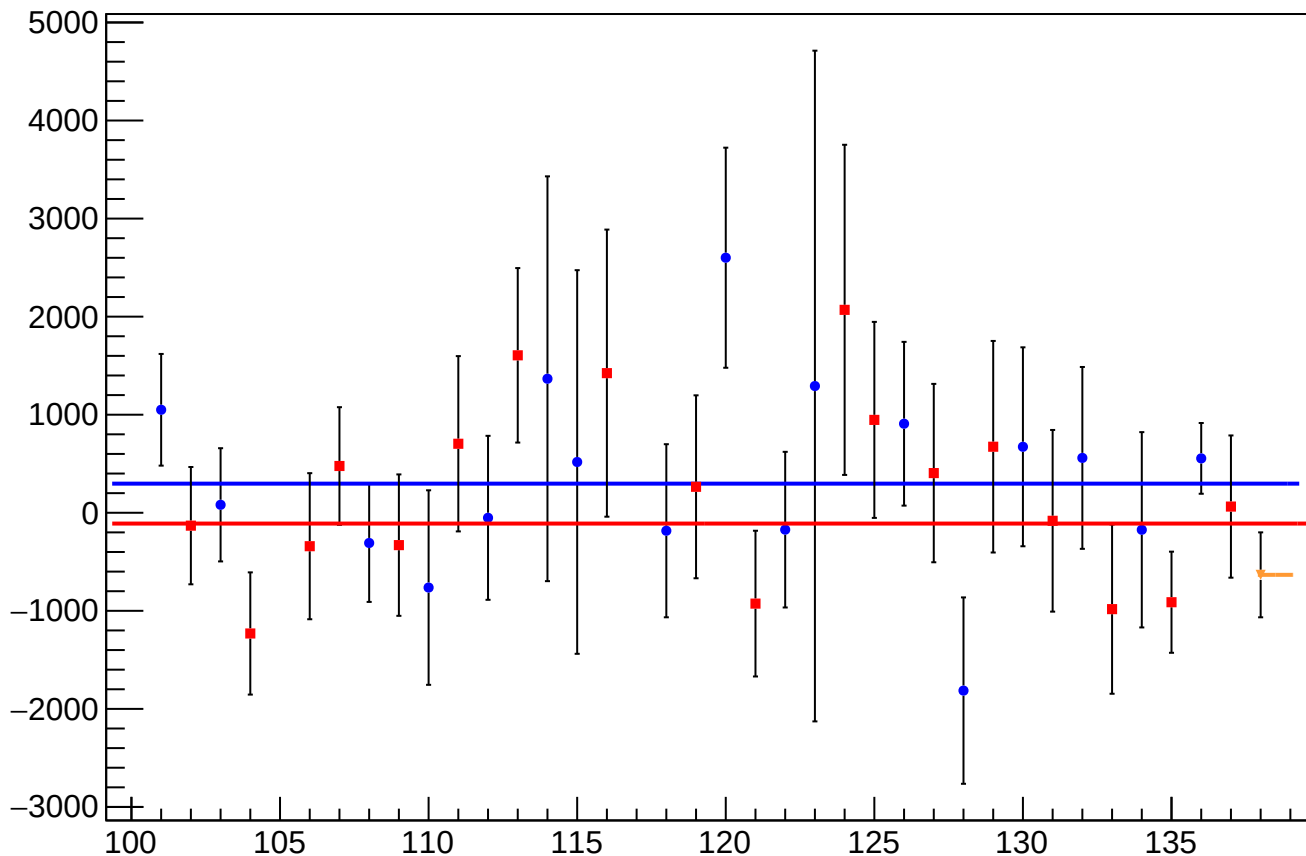
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 462.699+/-0.124  $\chi^2/\text{NDF}$ : 902176.7/17

All: 473.032+/-0.091  $\chi^2/\text{NDF}$ : 1633463.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_13\_57\_dd\_mean vs Slug



Right In: 296.984 $\pm$ 185.975  $\chi^2$ /NDF: 15.9/16

Left Out: -632.956 $\pm$ 433.142  $\chi^2$ /NDF: 0.0/0

Right Out: -110.141 $\pm$ 184.400  $\chi^2$ /NDF: 18.5/17

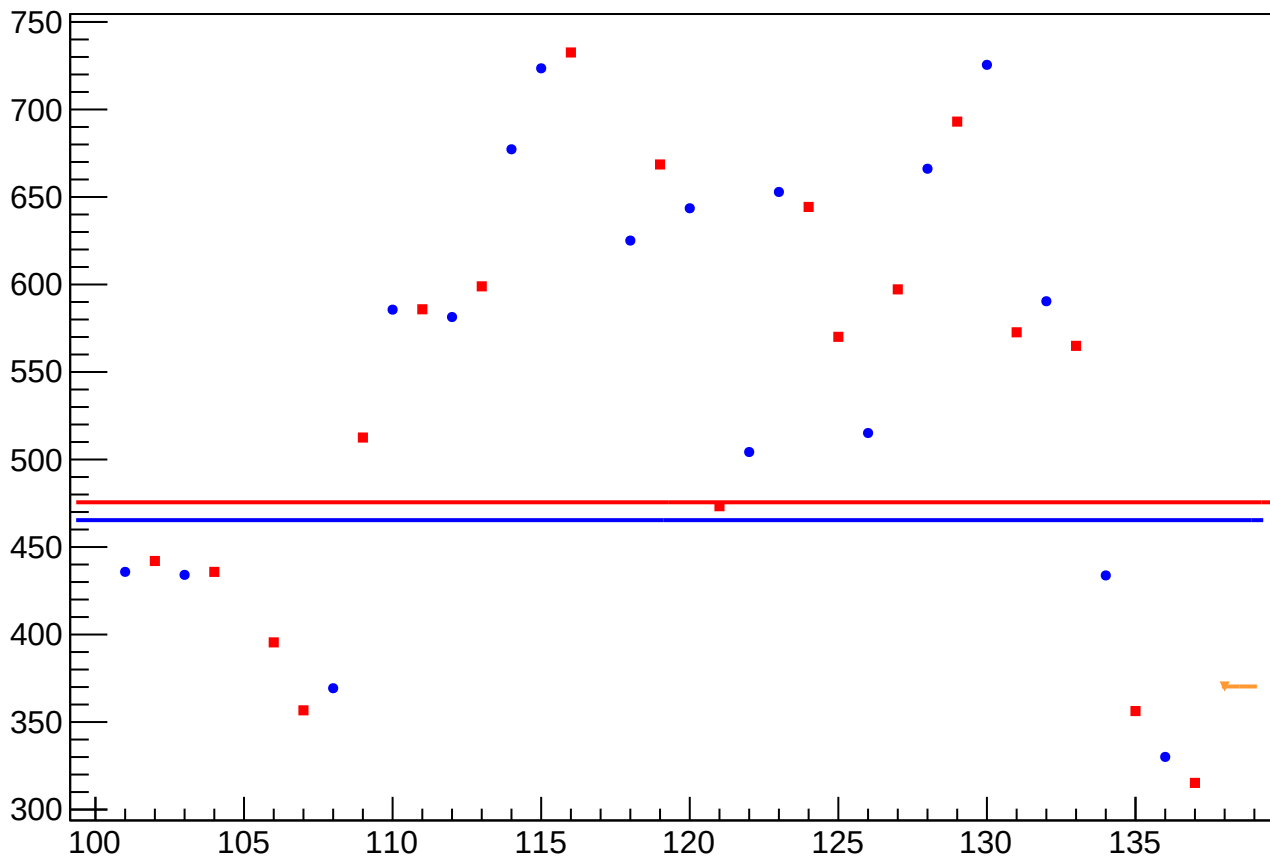
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 152.232 $\pm$ 170.889  $\chi^2$ /NDF: 19.8/17

All: 31.009 $\pm$ 125.342  $\chi^2$ /NDF: 39.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_13\_57\_dd\_rms vs Slug



Right In: 465.356+/-0.132  $\chi^2/\text{NDF}$ : 860420.4/16

Left Out: 370.315+/-0.306  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 475.559+/-0.130  $\chi^2/\text{NDF}$ : 740849.9/17

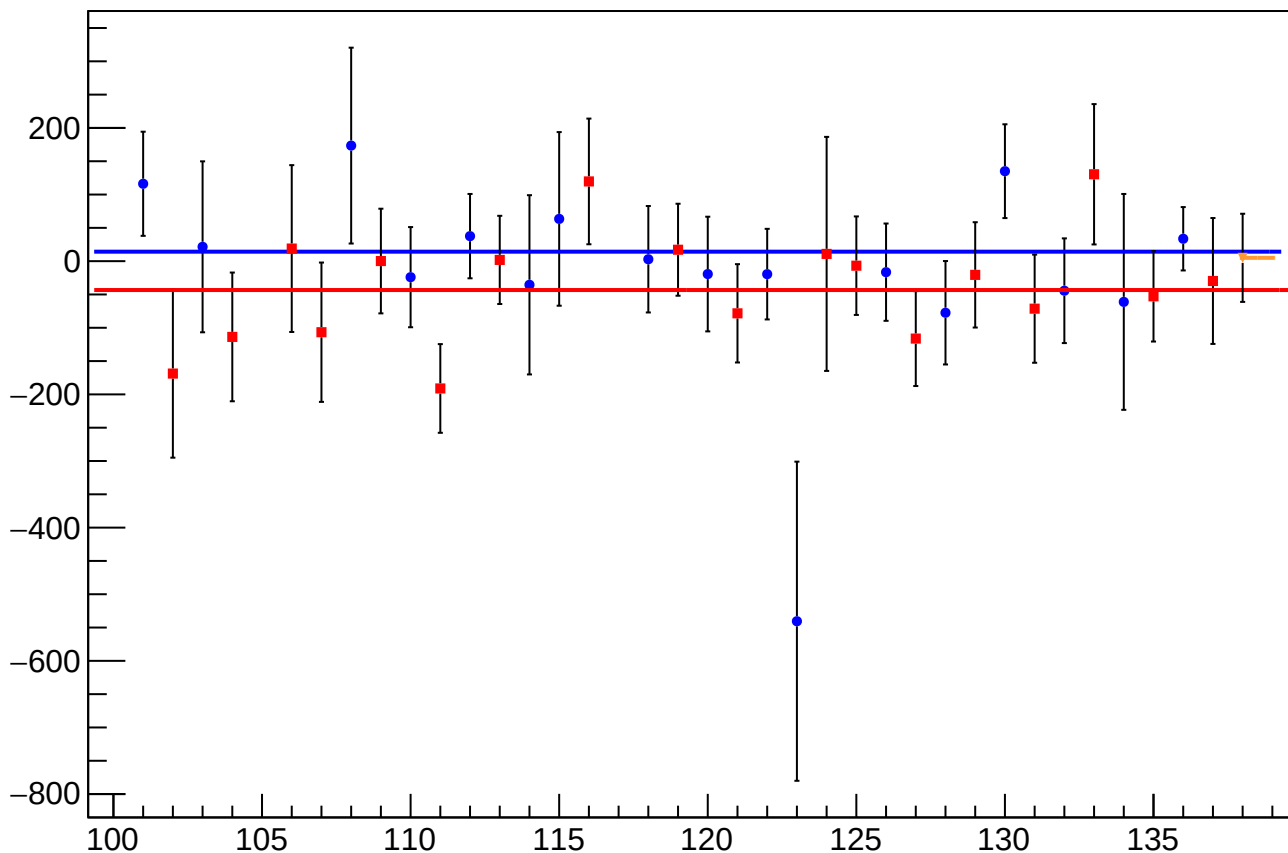
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 450.562+/-0.121  $\chi^2/\text{NDF}$ : 941722.6/17

All: 462.111+/-0.089  $\chi^2/\text{NDF}$ : 1702344.6/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_15\_37\_dd\_mean vs Slug



Right In: 14.253+/-19.867  $\chi^2/\text{NDF}$ : 14.8/16

Left Out: 5.003+/-66.158  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -43.336+/-19.650  $\chi^2/\text{NDF}$ : 16.2/17

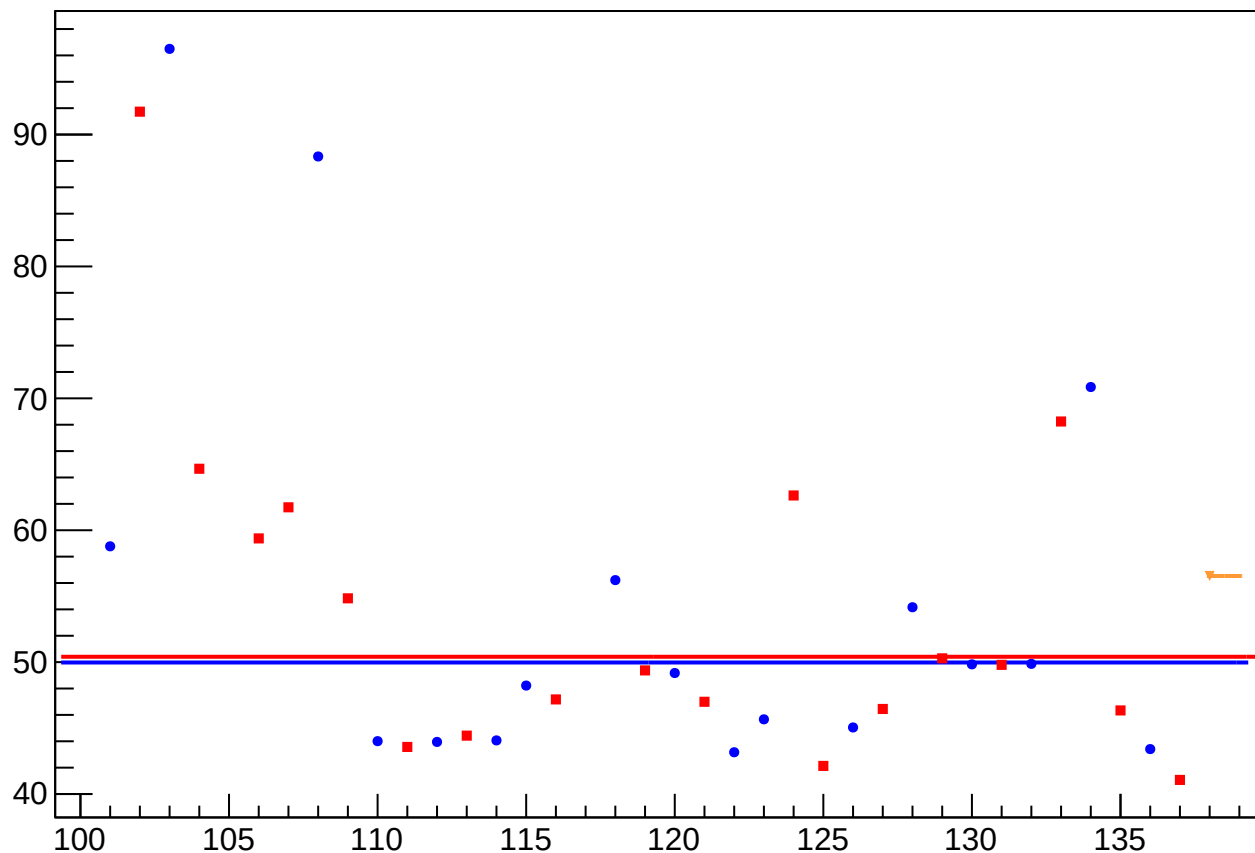
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 13.488+/-19.027  $\chi^2/\text{NDF}$ : 14.8/17

All: -14.010+/-13.669  $\chi^2/\text{NDF}$ : 35.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_15\_37\_dd\_rms vs Slug



Right In: 49.973+/-0.014  $\chi^2/\text{NDF}$ : 578750.7/16

Left Out: 56.532+/-0.047  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 50.408+/-0.014  $\chi^2/\text{NDF}$ : 467481.4/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

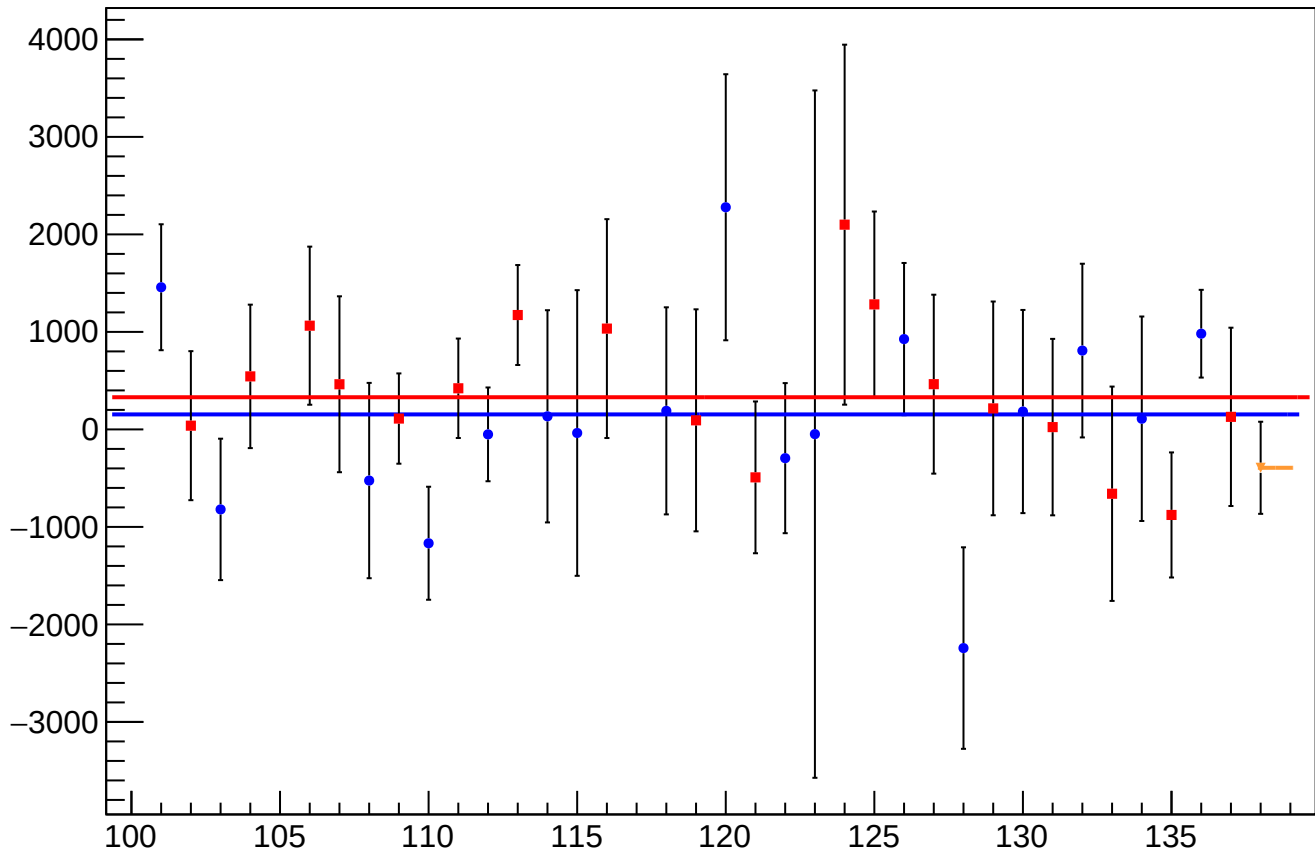
+ sign 50.516+/-0.013  $\chi^2/\text{NDF}$ : 596784.1/17

All: 50.463+/-0.010  $\chi^2/\text{NDF}$ : 1064296.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_15\_37\_dd\_correction\_mean vs Slug



Right In: 153.842 $\pm$ 189.963  $\chi^2$ /NDF: 24.8/16

Left Out: -393.672 $\pm$ 472.319  $\chi^2$ /NDF: 0.0/0

Right Out: 329.952 $\pm$ 179.795  $\chi^2$ /NDF: 12.1/17

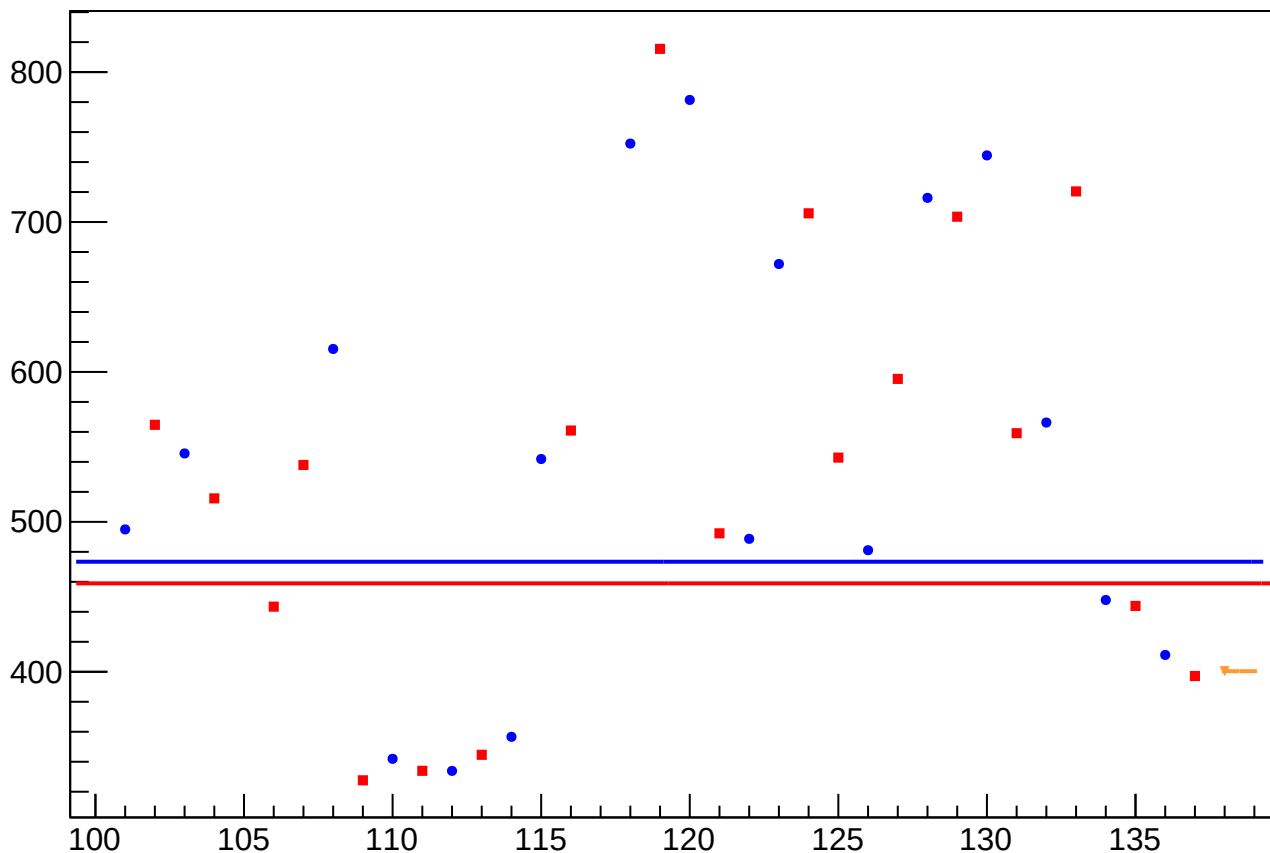
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 77.608 $\pm$ 176.243  $\chi^2$ /NDF: 25.9/17

All: 201.263 $\pm$ 125.859  $\chi^2$ /NDF: 39.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_37\_dd\_correction\_rms vs Slug



Right In: 473.406 $\pm$ 0.134  $\chi^2$ /NDF: 914927.8/16

Left Out: 400.405 $\pm$ 0.334  $\chi^2$ /NDF: 0.0/0

Right Out: 458.988 $\pm$ 0.127  $\chi^2$ /NDF: 1006257.2/17

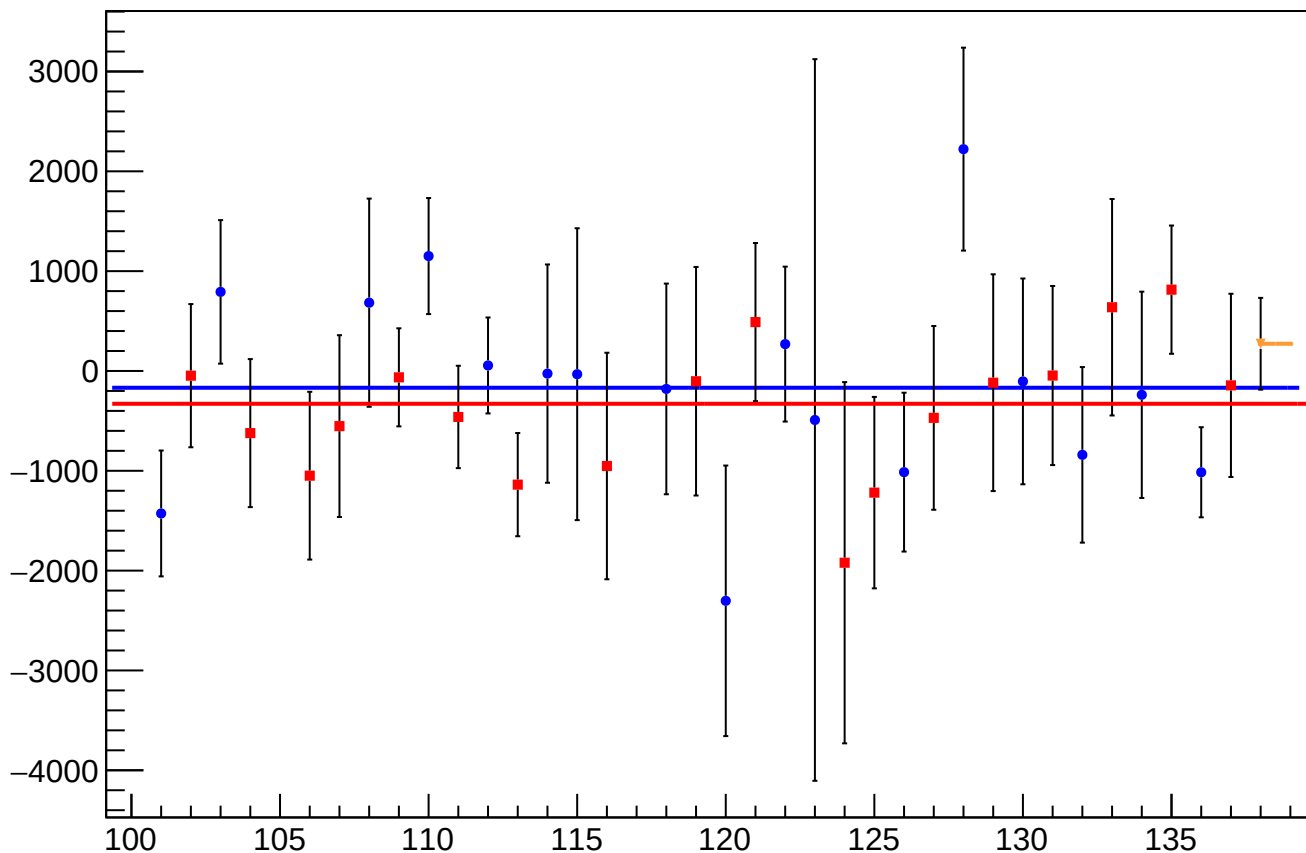
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 463.242 $\pm$ 0.125  $\chi^2$ /NDF: 956053.0/17

All: 461.158 $\pm$ 0.089  $\chi^2$ /NDF: 1962881.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_37\_dd\_mean vs Slug



Right In:  $-168.049 \pm 189.758$   $\chi^2/\text{NDF}$ : 25.4/16

Left Out:  $272.633 \pm 459.701$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-328.598 \pm 181.559$   $\chi^2/\text{NDF}$ : 11.1/17

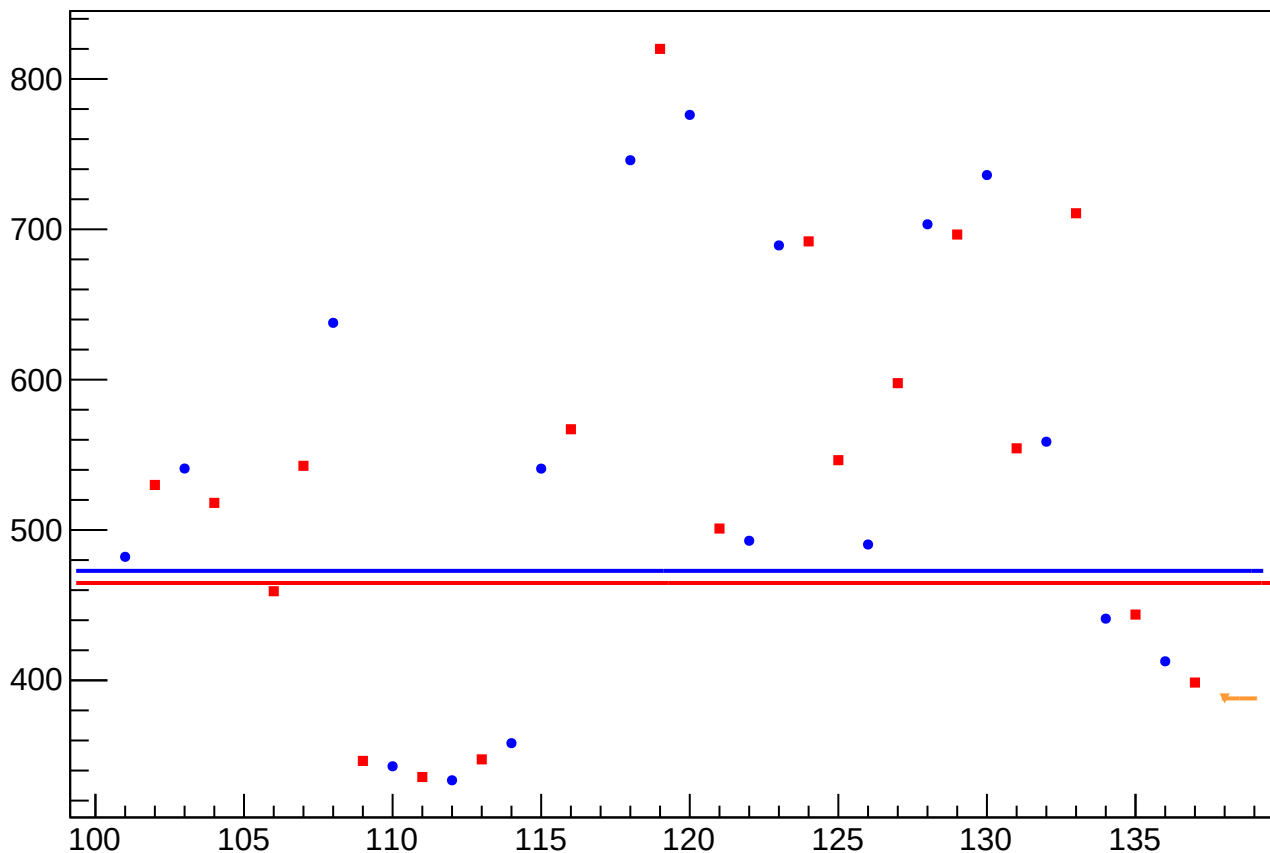
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-103.892 \pm 175.402$   $\chi^2/\text{NDF}$ : 26.2/17

All:  $-212.370 \pm 126.149$   $\chi^2/\text{NDF}$ : 38.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_37\_dd\_rms vs Slug



Right In: 472.820+/-0.134  $\chi^2/\text{NDF}$ : 896373.5/16

Left Out: 387.970+/-0.325  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 464.761+/-0.128  $\chi^2/\text{NDF}$ : 914781.1/17

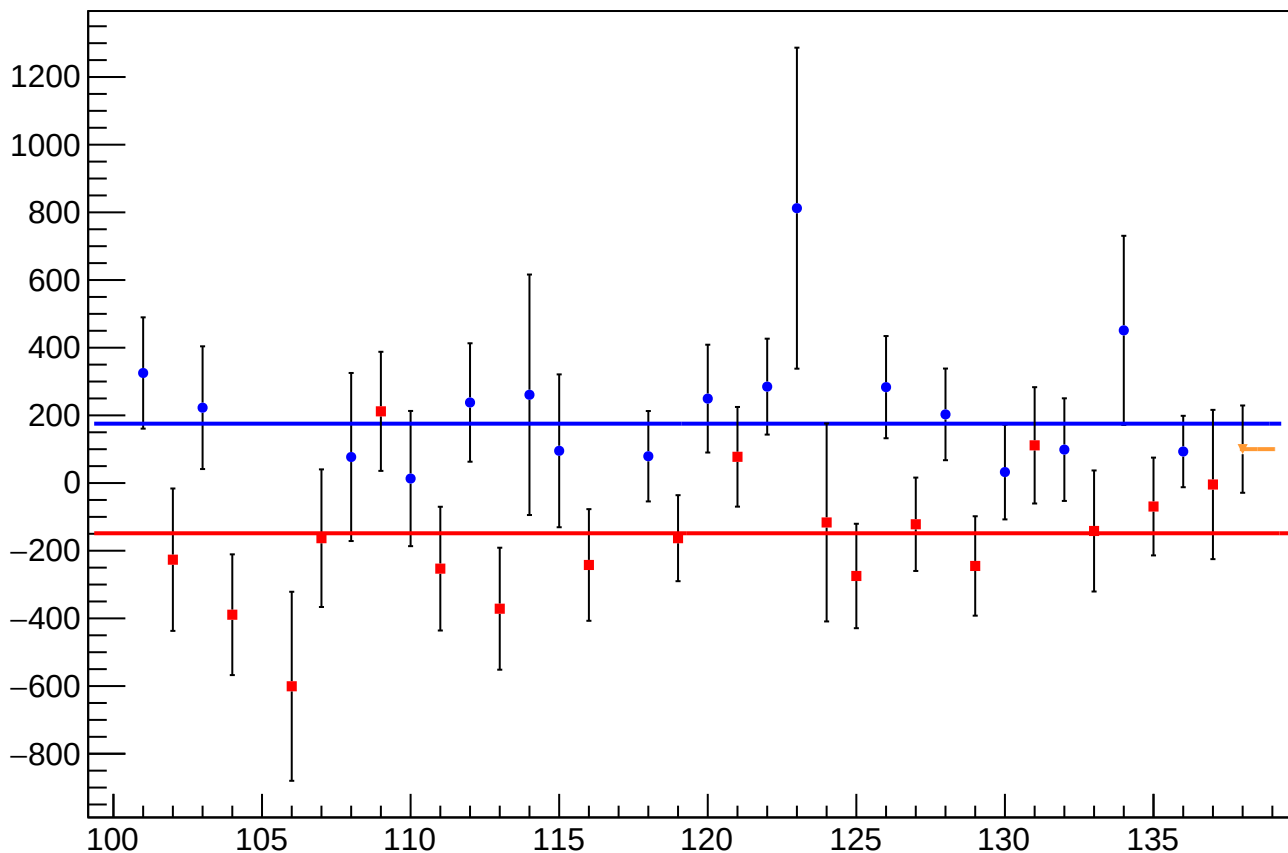
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 460.467+/-0.124  $\chi^2/\text{NDF}$ : 954590.2/17

All: 462.540+/-0.089  $\chi^2/\text{NDF}$ : 1869949.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_24\_68\_dd\_mean vs Slug



Right In: 175.468 $\pm$ 40.358  $\chi^2$ /NDF: 8.6/16

Left Out: 100.215 $\pm$ 129.005  $\chi^2$ /NDF: 0.0/0

Right Out: -148.445 $\pm$ 40.332  $\chi^2$ /NDF: 17.5/17

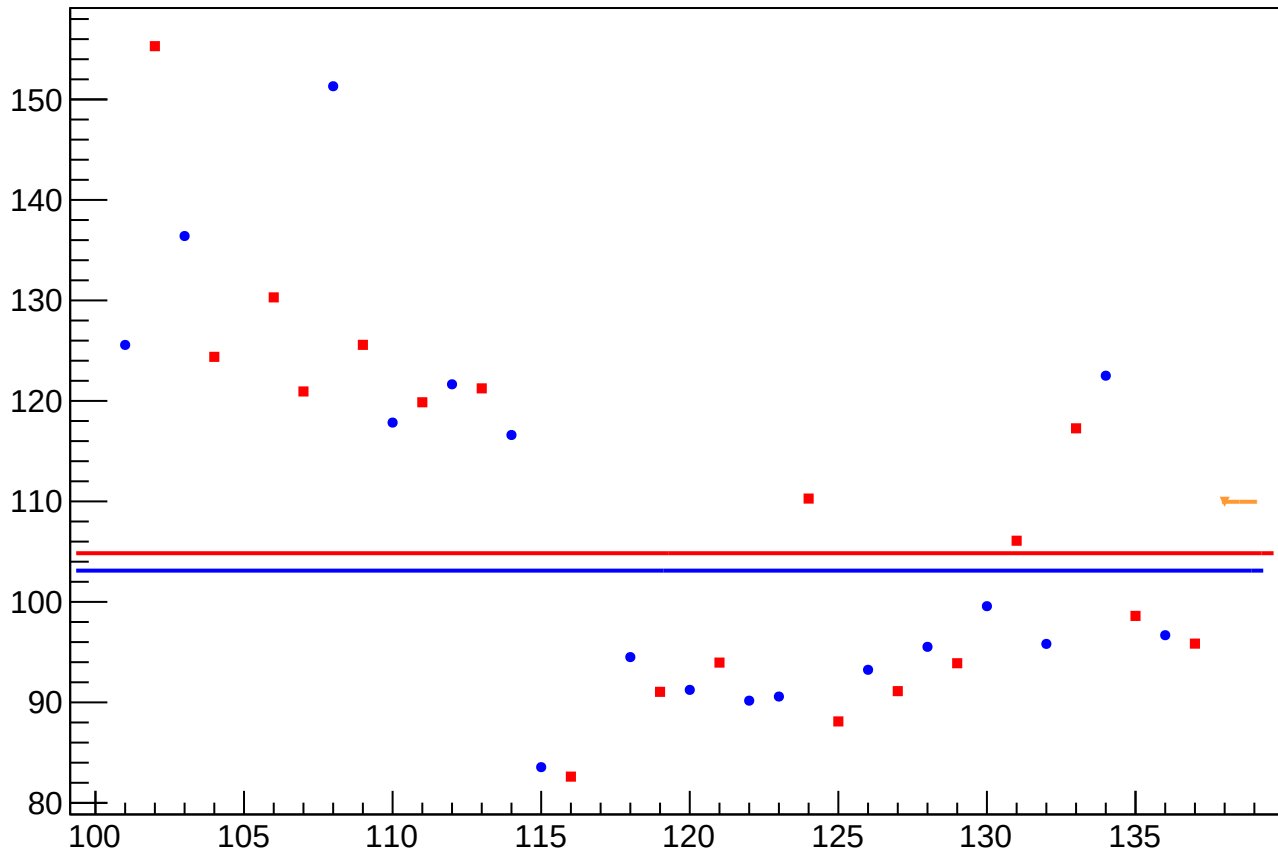
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 168.760 $\pm$ 38.518  $\chi^2$ /NDF: 8.9/17

All: 17.452 $\pm$ 27.855  $\chi^2$ /NDF: 58.7/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_24\_68\_dd\_rms vs Slug



Right In: 103.112 $\pm$ 0.029  $\chi^2$ /NDF: 306438.5/16

Left Out: 109.964 $\pm$ 0.091  $\chi^2$ /NDF: 0.0/0

Right Out: 104.844 $\pm$ 0.029  $\chi^2$ /NDF: 368677.3/17

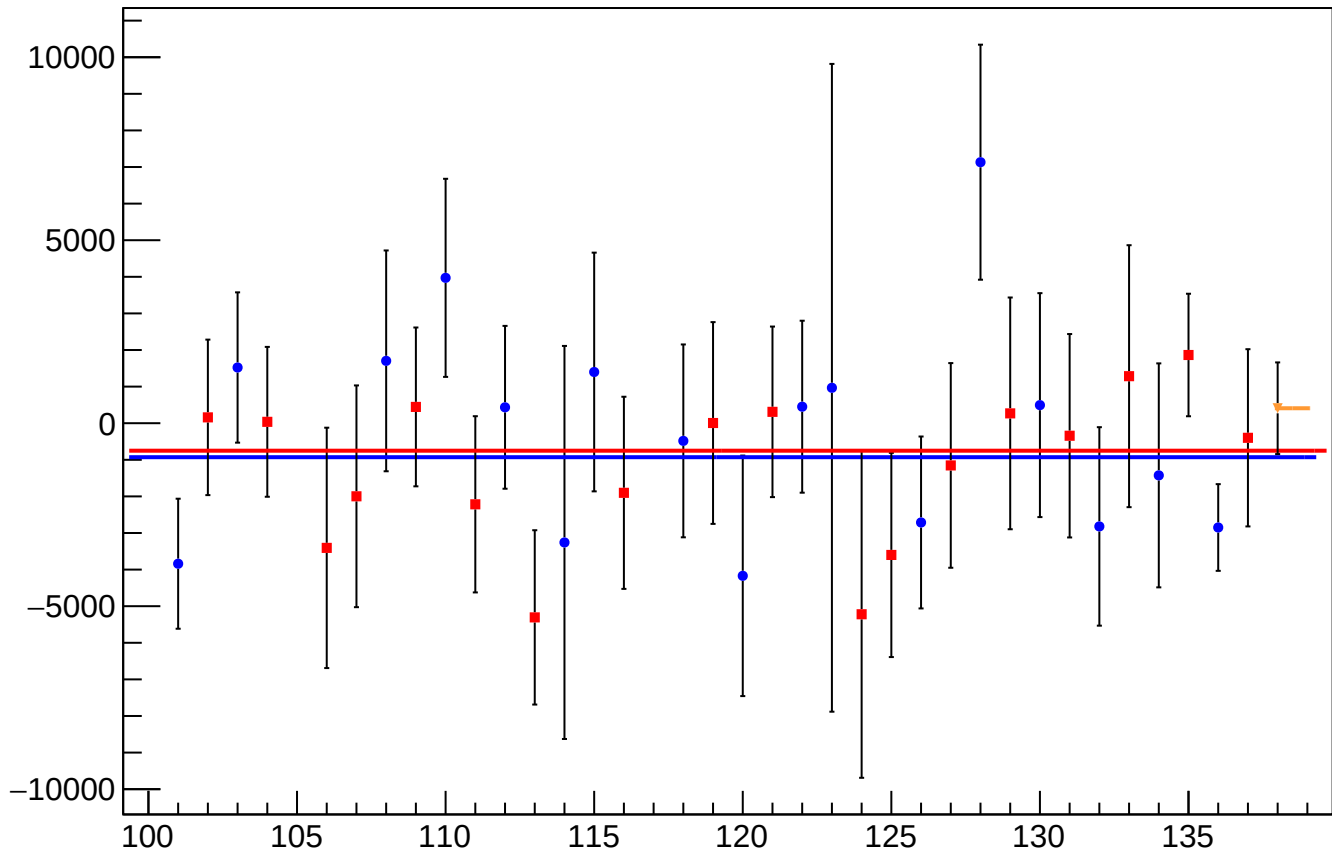
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 103.723 $\pm$ 0.027  $\chi^2$ /NDF: 311577.3/17

All: 104.258 $\pm$ 0.020  $\chi^2$ /NDF: 681062.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_24\_68\_dd\_correction\_mean vs Slug



Right In: -928.932+/-586.968  $\chi^2/\text{NDF}$ : 20.9/16

Left Out: 408.498+/-1252.425  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -751.262+/-594.960  $\chi^2/\text{NDF}$ : 10.9/17

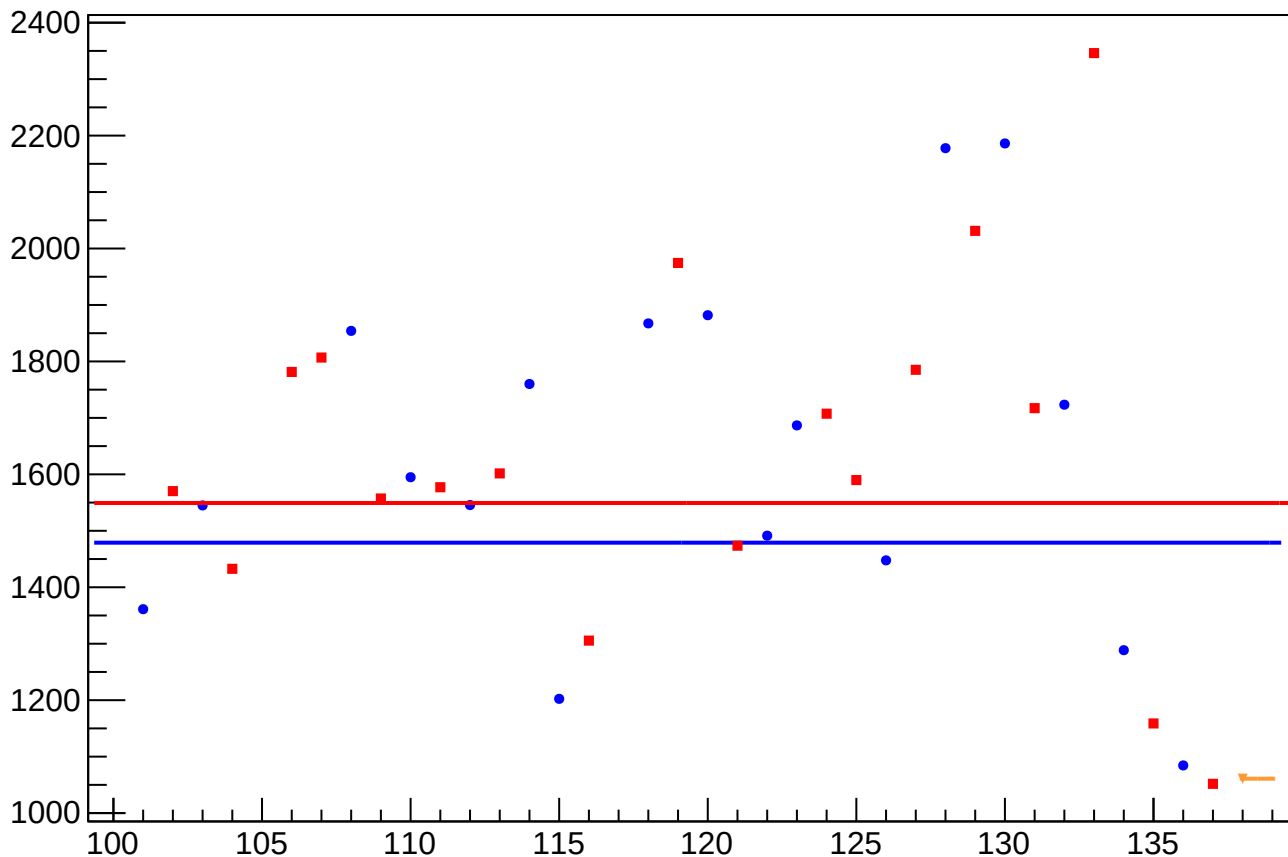
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -688.073+/-531.493  $\chi^2/\text{NDF}$ : 21.8/17

All: -716.119+/-396.368  $\chi^2/\text{NDF}$ : 32.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_24\_68\_dd\_correction\_rms vs Slug



Right In: 1478.991+/-0.415  $\chi^2/\text{NDF}$ : 589620.8/16

Left Out: 1060.923+/-0.886  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1549.266+/-0.421  $\chi^2/\text{NDF}$ : 462557.8/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

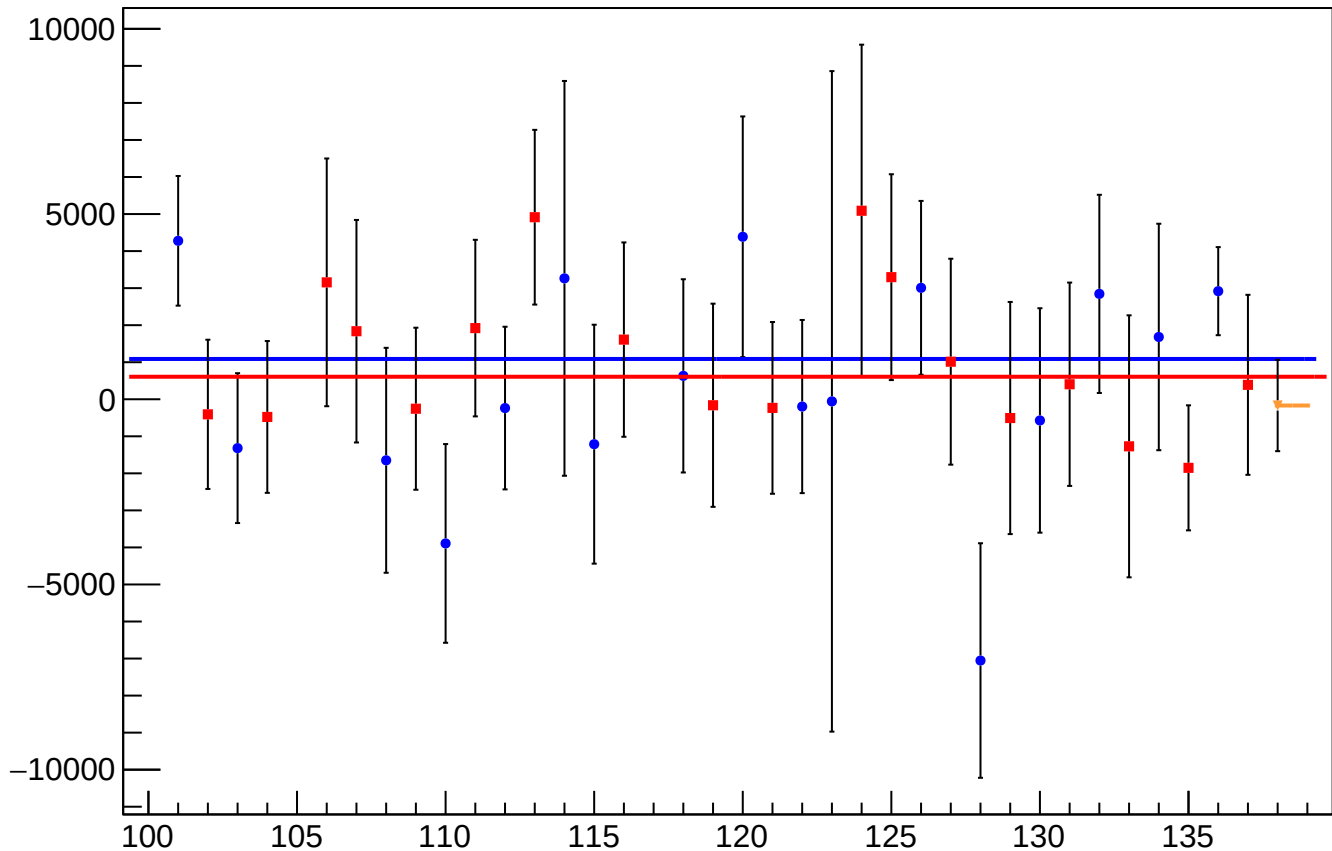
+ sign 1403.701+/-0.376  $\chi^2/\text{NDF}$ : 772341.1/17

All: 1468.308+/-0.280  $\chi^2/\text{NDF}$ : 1301483.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_24\_68\_dd\_mean vs Slug



Right In: 1087.987 $\pm$ 583.326  $\chi^2$ /NDF: 21.8/16

Left Out: -168.416 $\pm$ 1232.699  $\chi^2$ /NDF: 0.0/0

Right Out: 607.930 $\pm$ 591.550  $\chi^2$ /NDF: 9.9/17

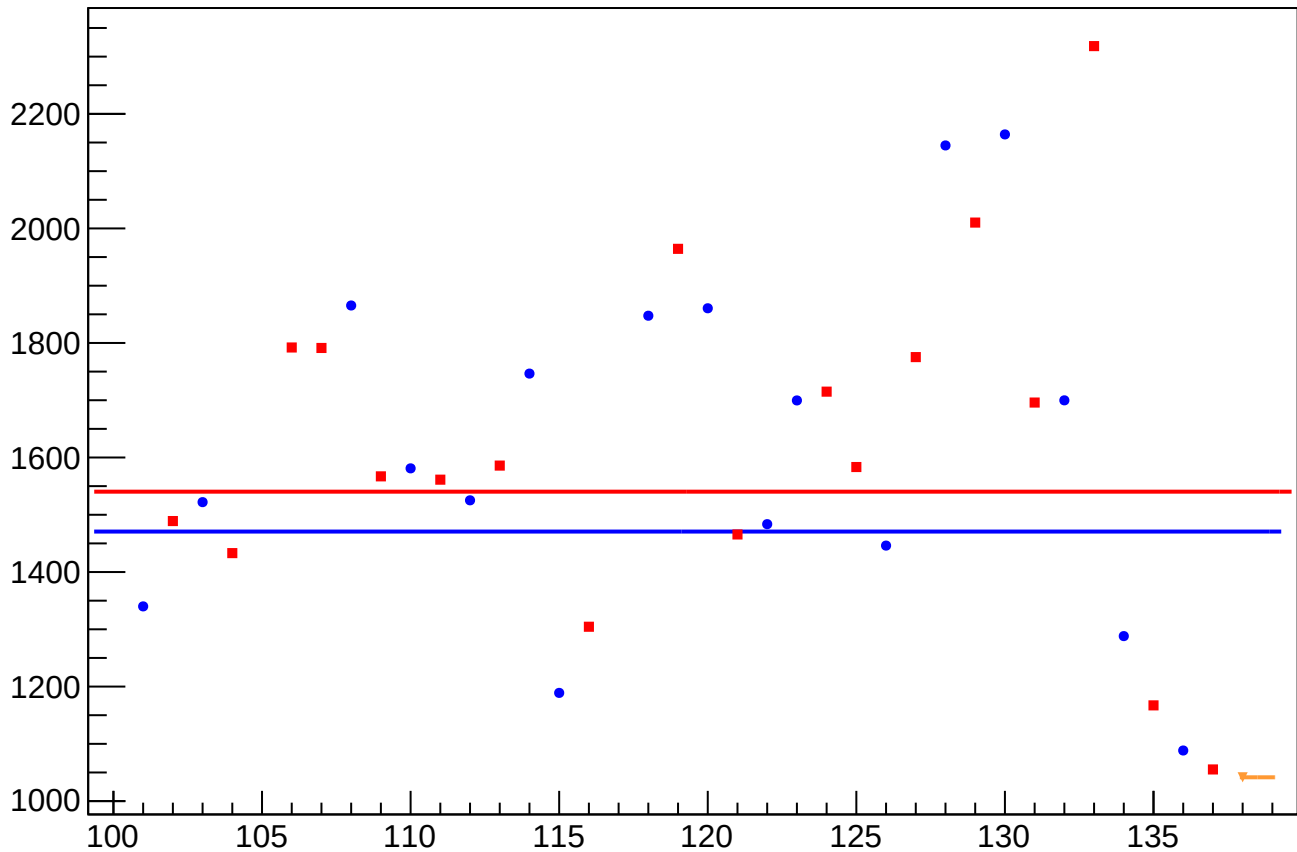
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 858.117 $\pm$ 527.271  $\chi^2$ /NDF: 22.7/17

All: 747.350 $\pm$ 393.608  $\chi^2$ /NDF: 32.7/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_24\_68\_dd\_rms vs Slug



Right In: 1470.683 $\pm$ 0.412  $\chi^2$ /NDF: 567728.4/16

Left Out: 1041.580 $\pm$ 0.872  $\chi^2$ /NDF: 0.0/0

Right Out: 1540.341 $\pm$ 0.418  $\chi^2$ /NDF: 442804.3/17

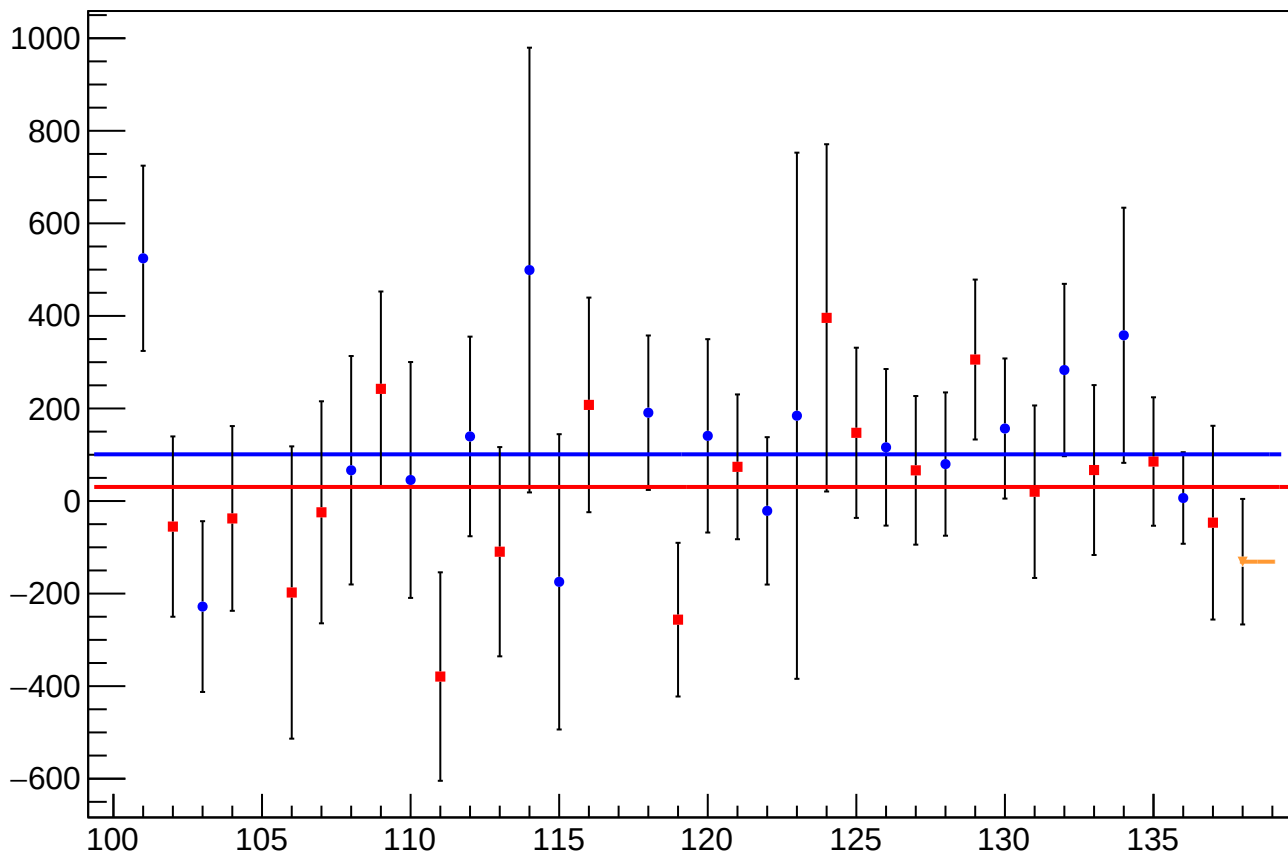
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1392.175 $\pm$ 0.373  $\chi^2$ /NDF: 765736.2/17

All: 1457.773 $\pm$ 0.278  $\chi^2$ /NDF: 1278461.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_26\_48\_dd\_mean vs Slug



Right In: 100.918 $\pm$ 45.284  $\chi^2$ /NDF: 13.0/16

Left Out: -131.080 $\pm$ 135.641  $\chi^2$ /NDF: 0.0/0

Right Out: 30.411 $\pm$ 45.710  $\chi^2$ /NDF: 13.5/17

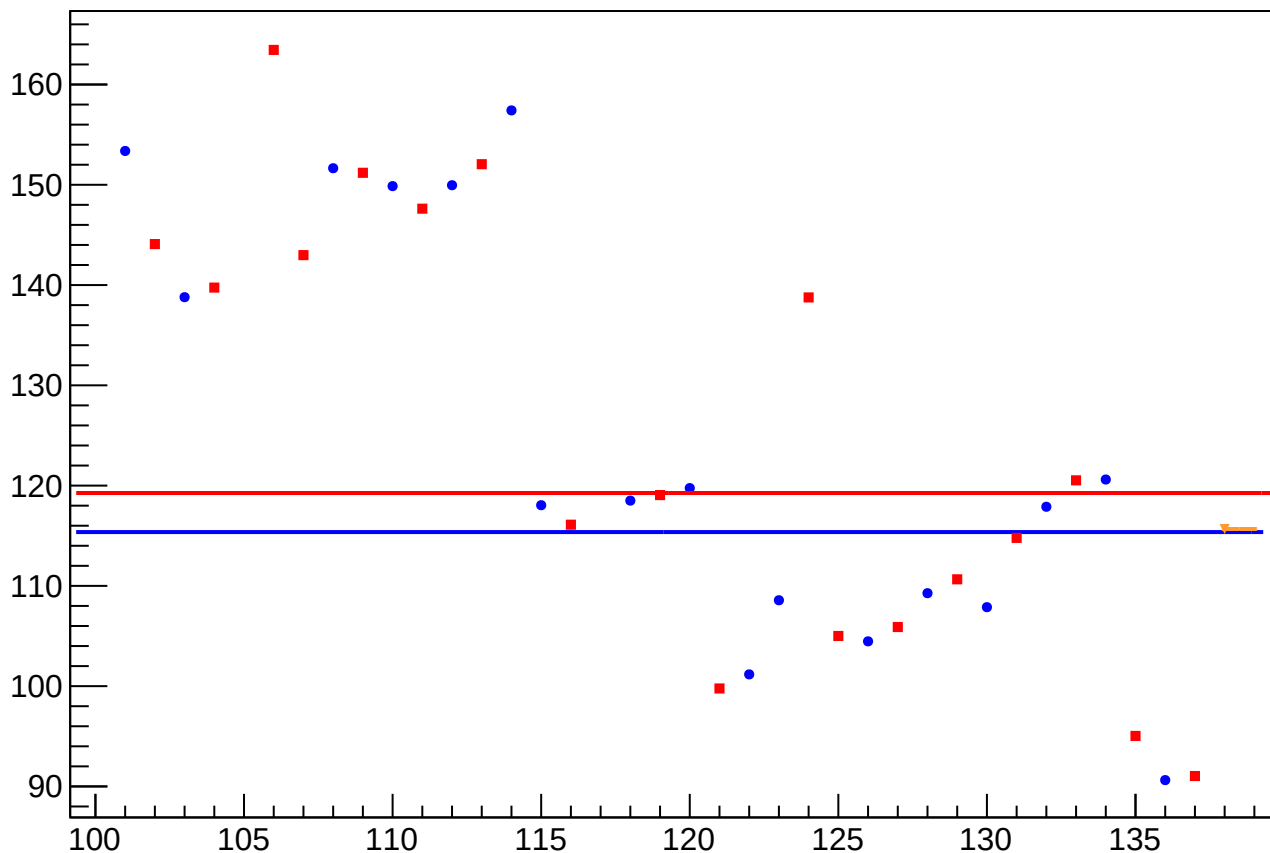
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 77.654 $\pm$ 42.953  $\chi^2$ /NDF: 15.7/17

All: 55.500 $\pm$ 31.302  $\chi^2$ /NDF: 29.7/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_asym\_sam\_26\_48\_dd\_rms vs Slug



Right In: 115.366 $\pm$ 0.032  $\chi^2$ /NDF: 411362.6/16

Left Out: 115.671 $\pm$ 0.096  $\chi^2$ /NDF:0.0/0

Right Out: 119.263 $\pm$ 0.032  $\chi^2$ /NDF: 398318.1/17

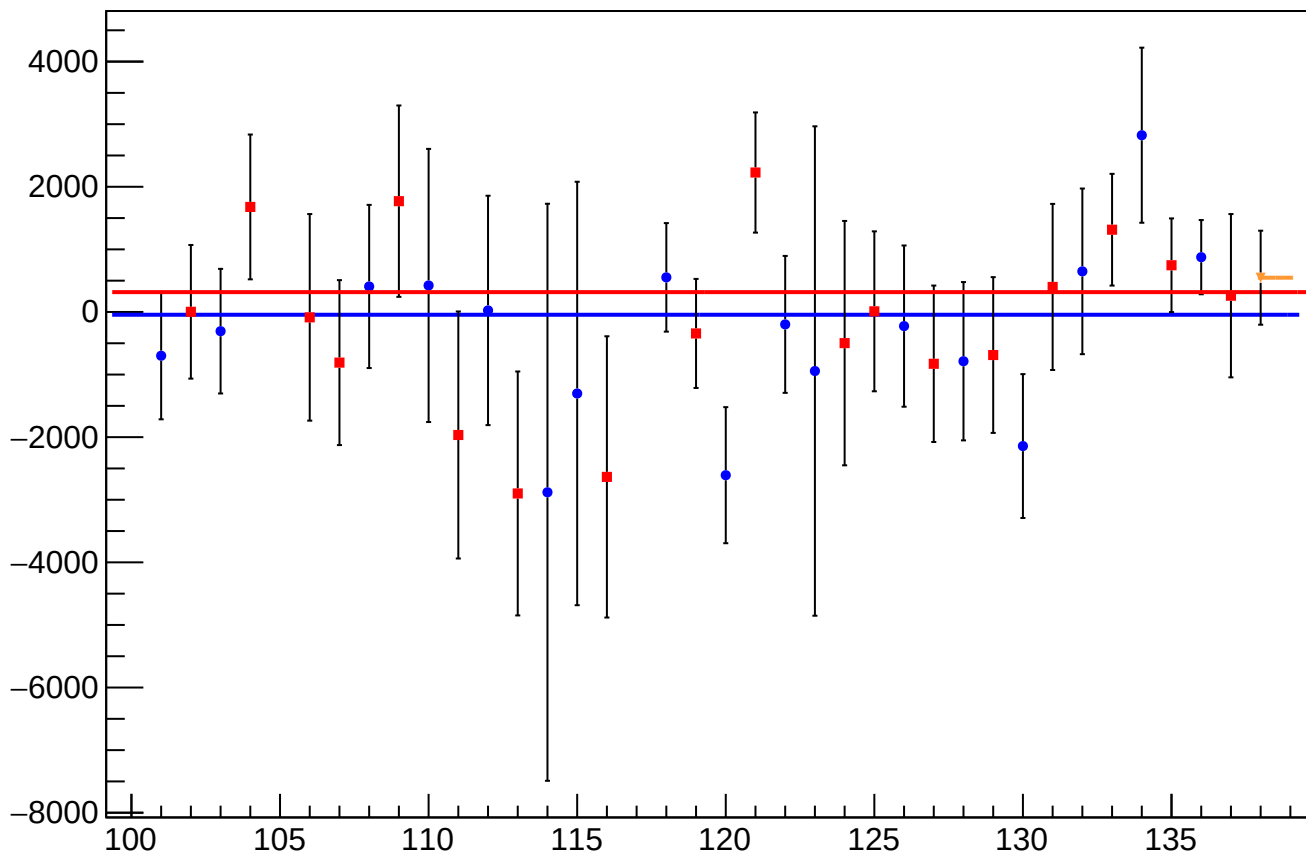
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 115.397 $\pm$ 0.030  $\chi^2$ /NDF: 411371.6/17

All: 117.210 $\pm$ 0.022  $\chi^2$ /NDF: 817286.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_48\_dd\_correction\_mean vs Slug



Right In:  $-44.553 \pm 286.284$   $\chi^2/\text{NDF}$ : 17.9/16

Left Out:  $547.364 \pm 750.970$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $316.976 \pm 283.113$   $\chi^2/\text{NDF}$ : 16.8/17

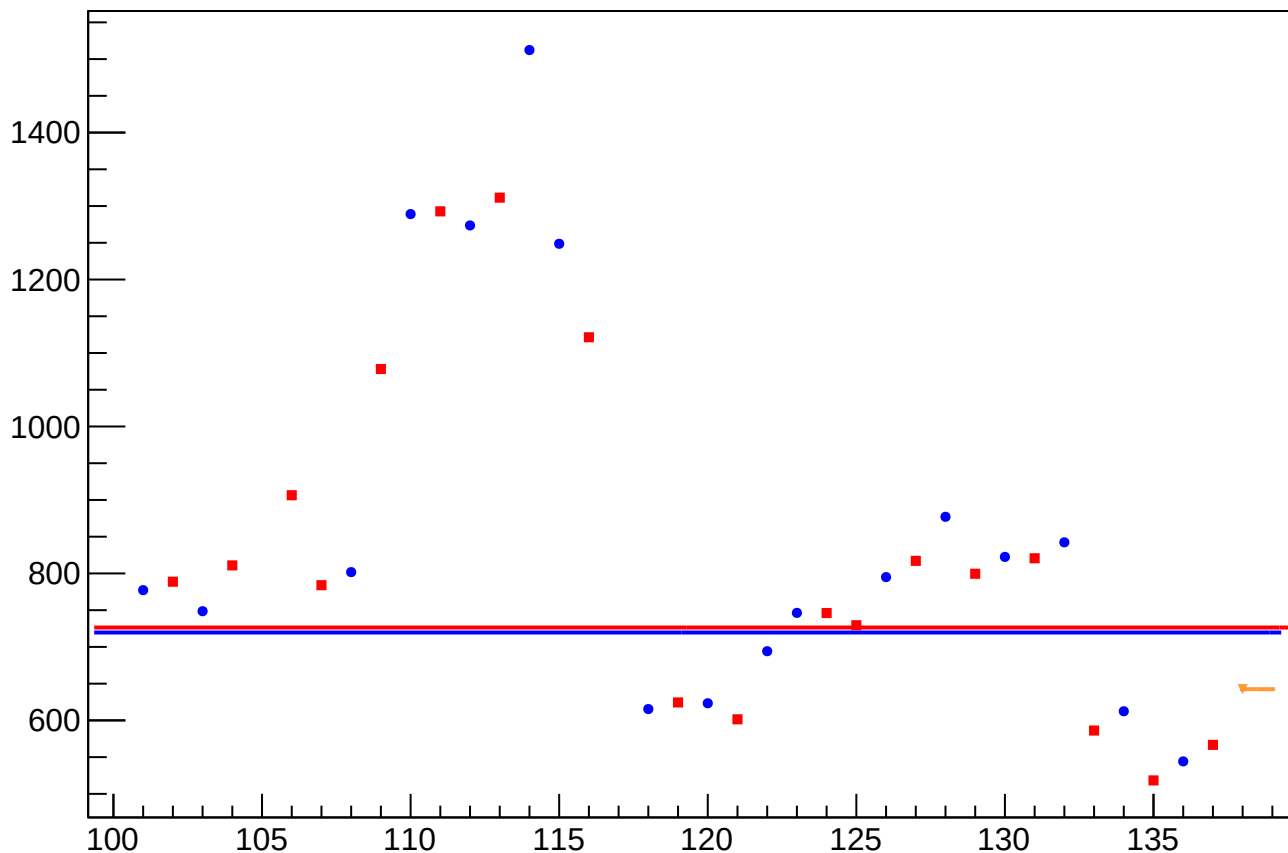
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $30.554 \pm 267.505$   $\chi^2/\text{NDF}$ : 18.4/17

All:  $165.653 \pm 194.438$   $\chi^2/\text{NDF}$ : 35.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_48\_dd\_correction\_rms vs Slug



Right In: 719.606 $\pm$ 0.202  $\chi^2$ /NDF: 746949.1/16

Left Out: 642.470 $\pm$ 0.531  $\chi^2$ /NDF: 0.0/0

Right Out: 726.397 $\pm$ 0.200  $\chi^2$ /NDF: 880989.6/17

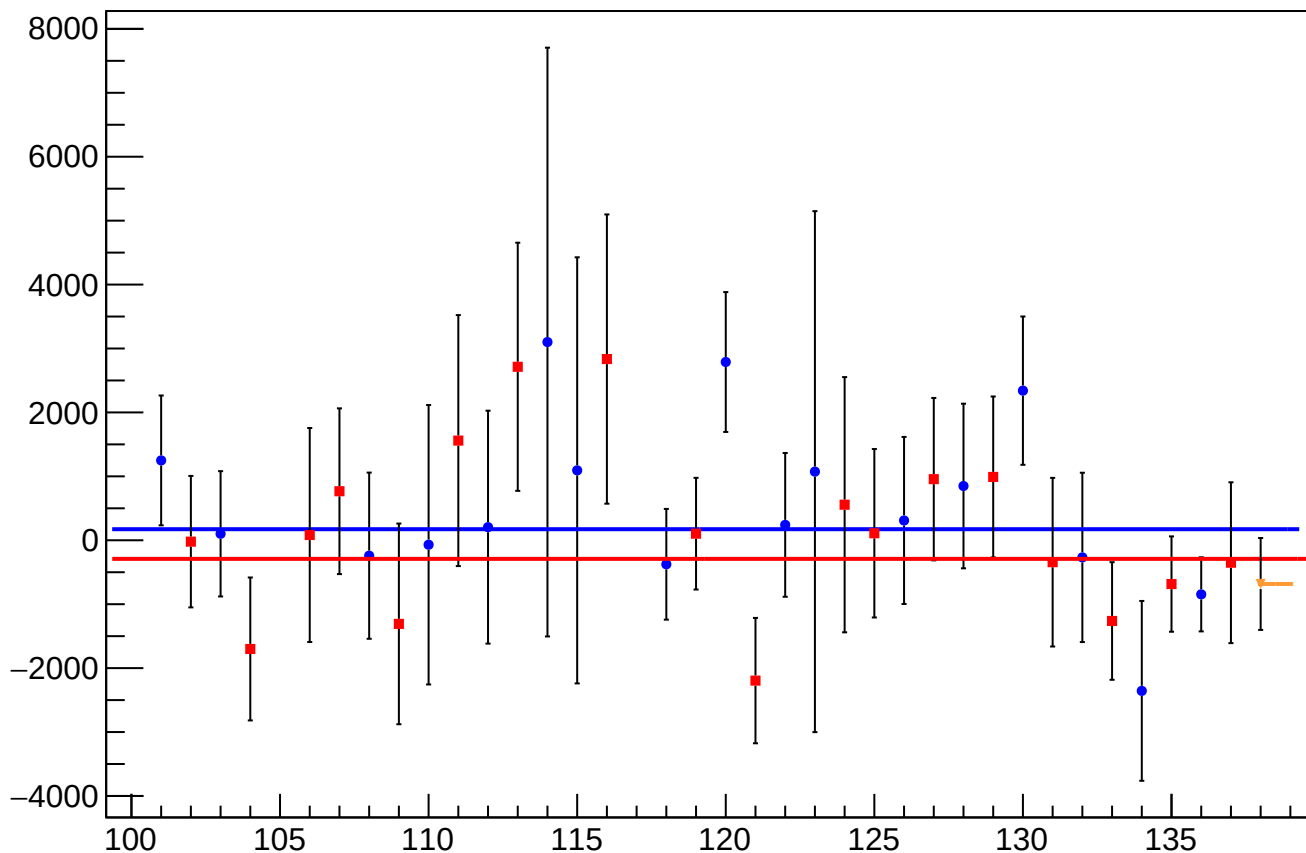
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 709.818 $\pm$ 0.189  $\chi^2$ /NDF: 765372.5/17

All: 717.638 $\pm$ 0.137  $\chi^2$ /NDF: 1649985.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_48\_dd\_mean vs Slug



Right In: 173.182+/-285.672  $\chi^2/\text{NDF}$ : 18.1/16

Left Out: -683.475+/-719.022  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -290.799+/-283.545  $\chi^2/\text{NDF}$ : 15.6/17

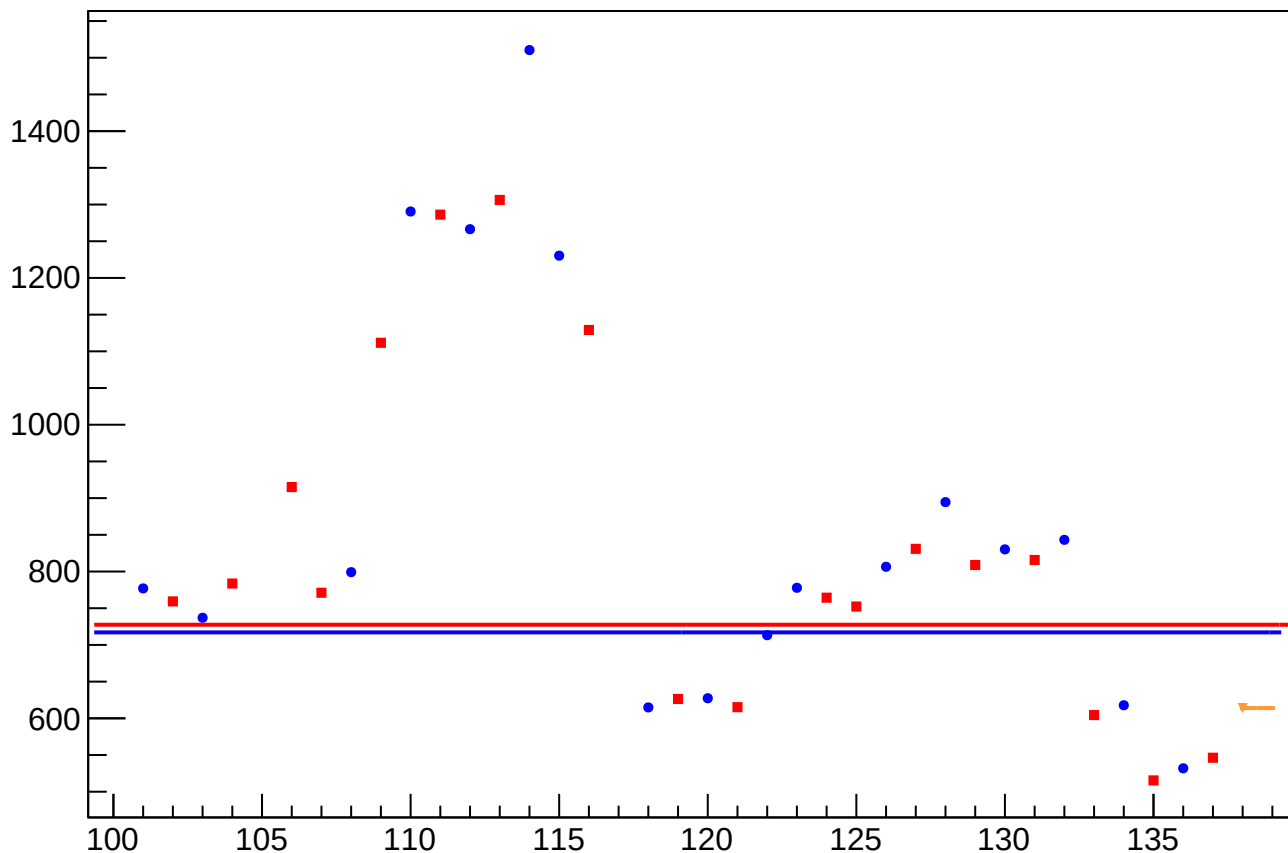
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 56.392+/-265.486  $\chi^2/\text{NDF}$ : 19.3/17

All: -105.795+/-193.797  $\chi^2/\text{NDF}$ : 35.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_48\_dd\_rms vs Slug



Right In: 717.083+/-0.202  $\chi^2/\text{NDF}$ : 782449.4/16

Left Out: 613.974+/-0.508  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 727.490+/-0.200  $\chi^2/\text{NDF}$ : 881036.5/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

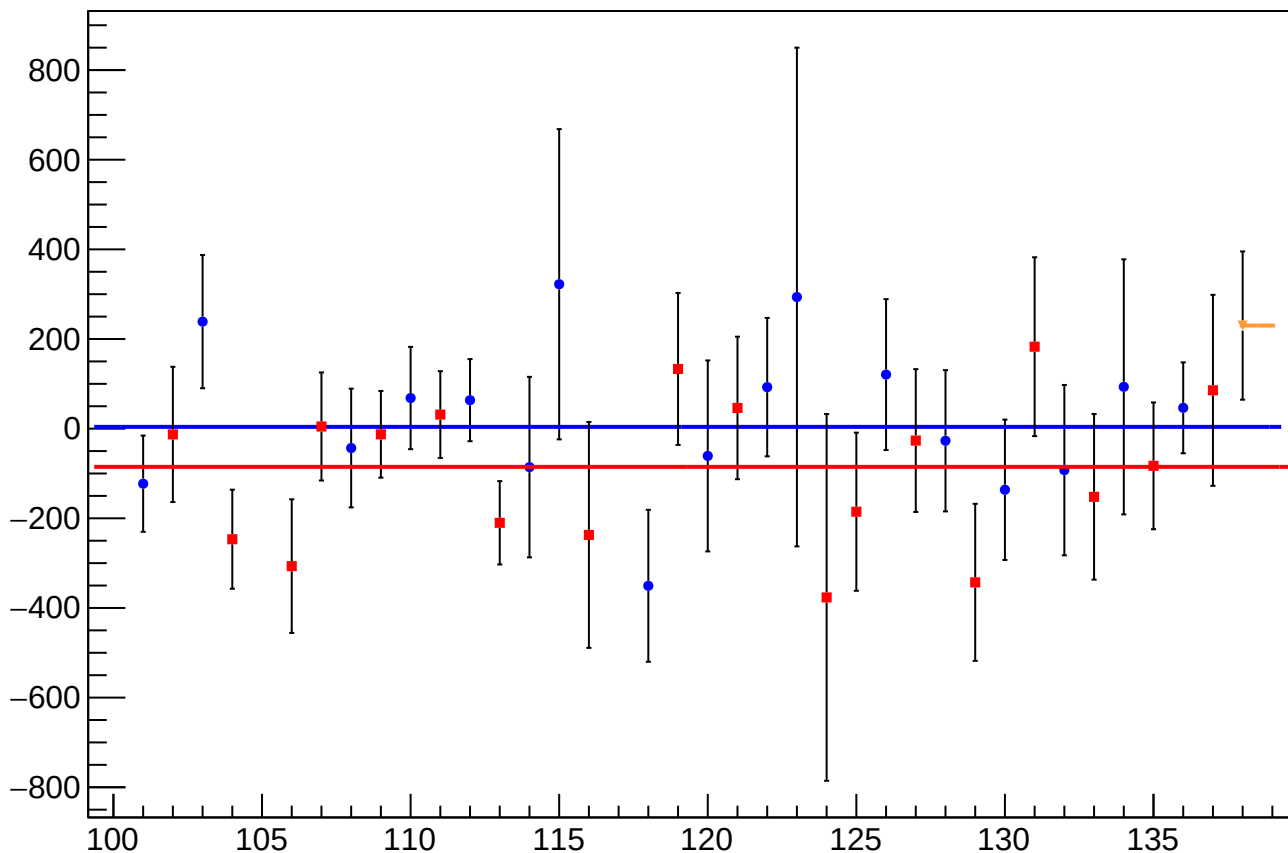
+ sign 703.026+/-0.188  $\chi^2/\text{NDF}$ : 817970.1/17

All: 714.454+/-0.137  $\chi^2/\text{NDF}$ : 1706939.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam\_1548\_avg\_mean vs Slug



Right In:  $4.011 \pm 35.950$   $\chi^2/\text{NDF}$ : 12.7/16

Left Out:  $230.033 \pm 165.366$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-85.205 \pm 33.413$   $\chi^2/\text{NDF}$ : 17.4/17

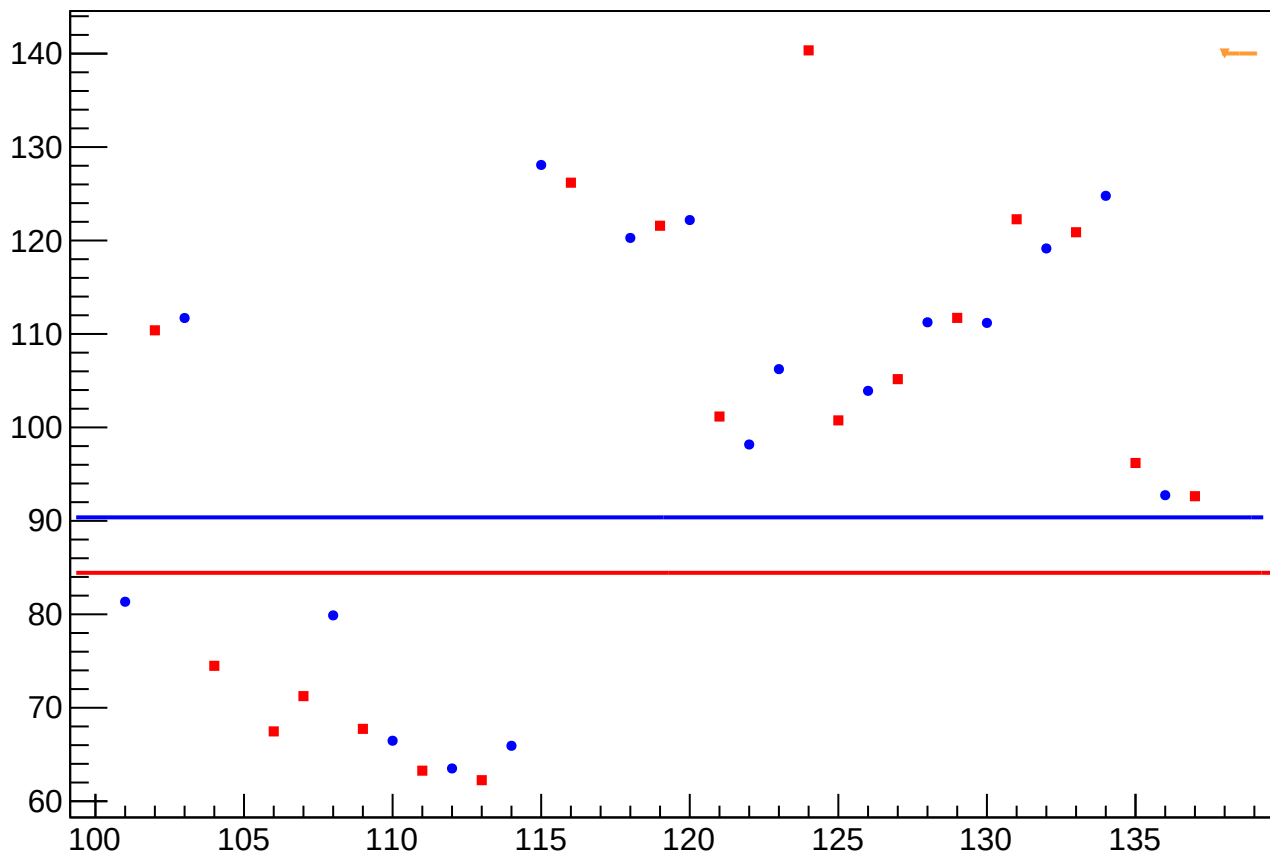
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $14.211 \pm 35.130$   $\chi^2/\text{NDF}$ : 14.5/17

All:  $-37.986 \pm 24.211$   $\chi^2/\text{NDF}$ : 36.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1548\_avg\_rms vs Slug



Right In: 90.375+/-0.025  $\chi^2/\text{NDF}$ : 654139.7/16

Left Out: 140.011+/-0.117  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 84.442+/-0.024  $\chi^2/\text{NDF}$ : 870835.6/17

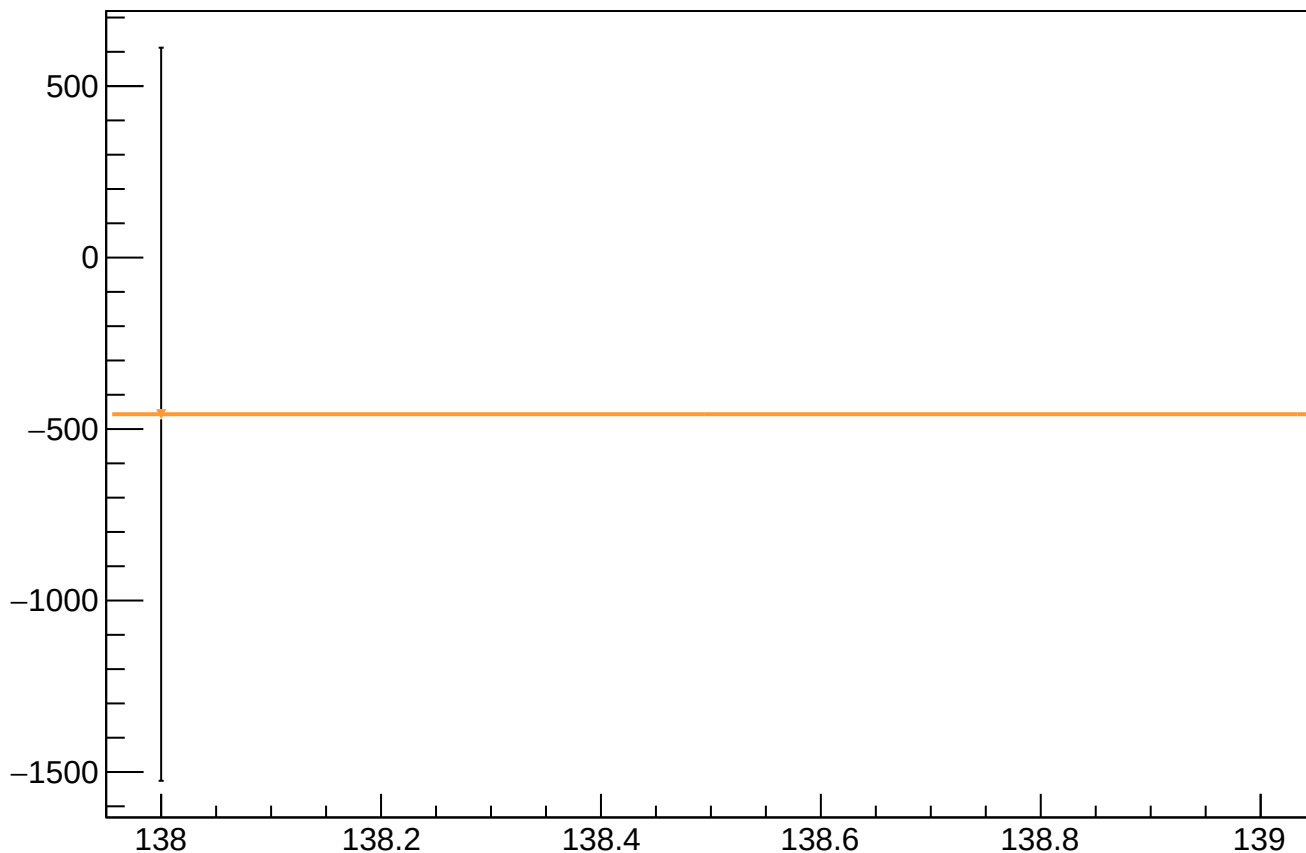
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 92.615+/-0.025  $\chi^2/\text{NDF}$ : 826199.7/17

All: 88.324+/-0.017  $\chi^2/\text{NDF}$ : 1753875.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1548\_avg\_correction\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -456.762+/-1068.861  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

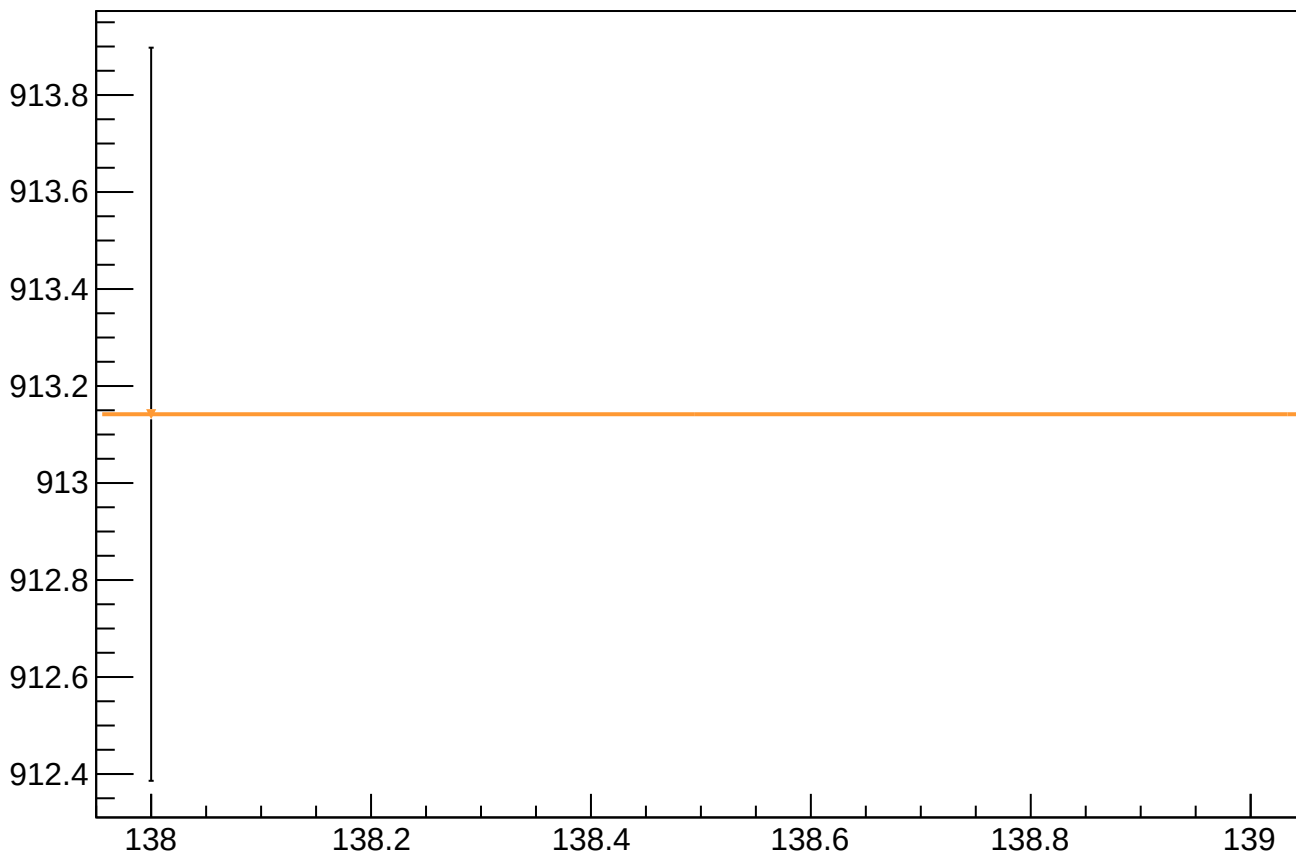
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -456.762+/-1068.861  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1548\_avg\_correction\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 913.142 $\pm$ 0.756  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

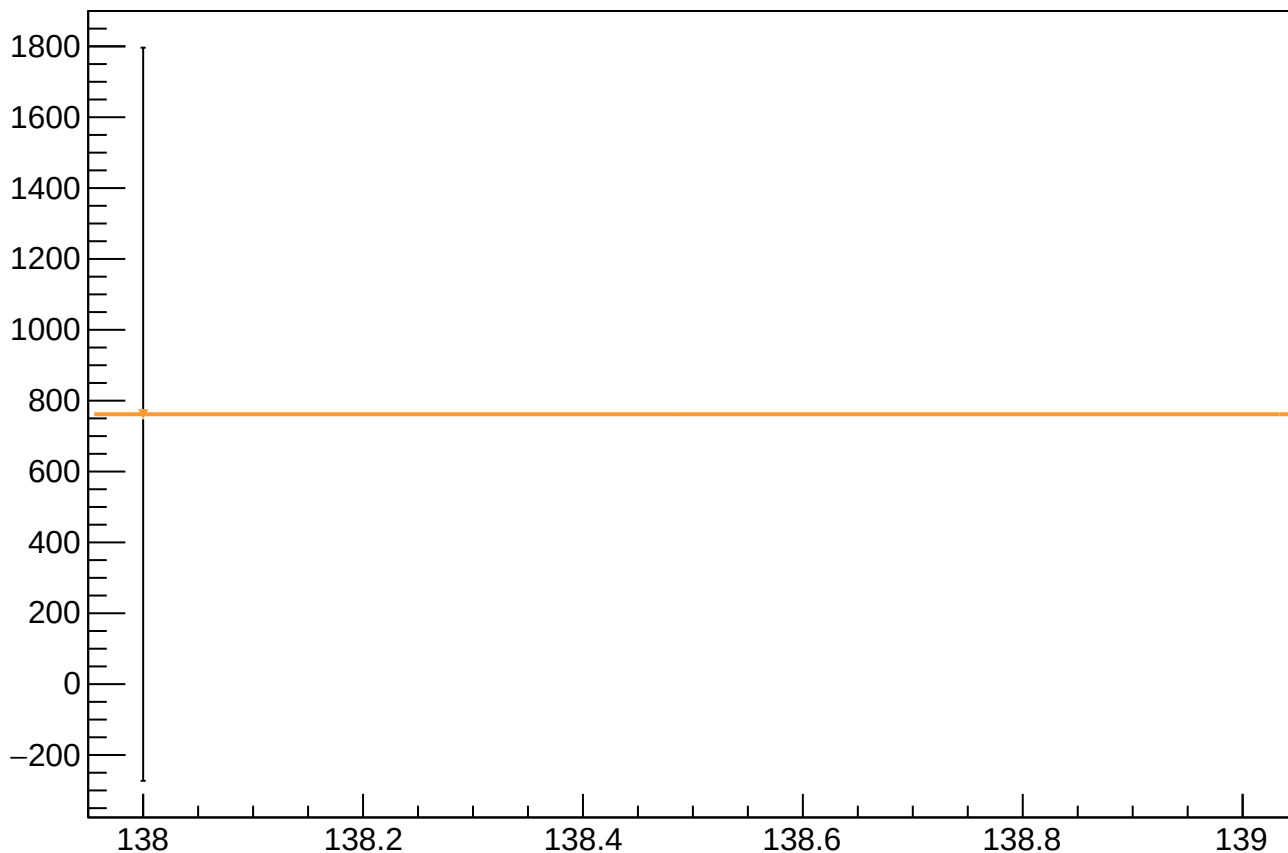
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 913.142 $\pm$ 0.756  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1548\_avg\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 761.735+/-1034.544  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

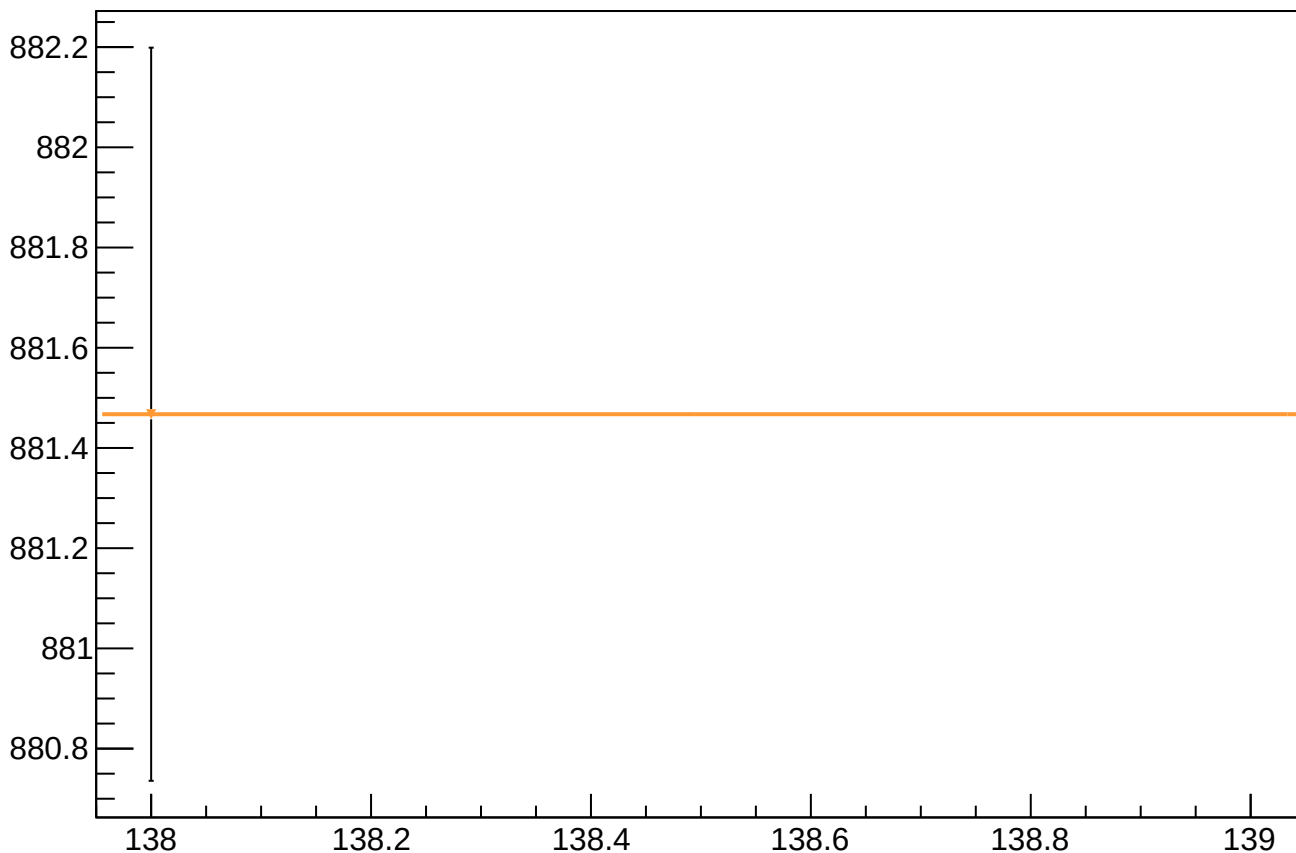
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 761.735+/-1034.544  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1548\_avg\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 881.467 $\pm$ 0.732  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

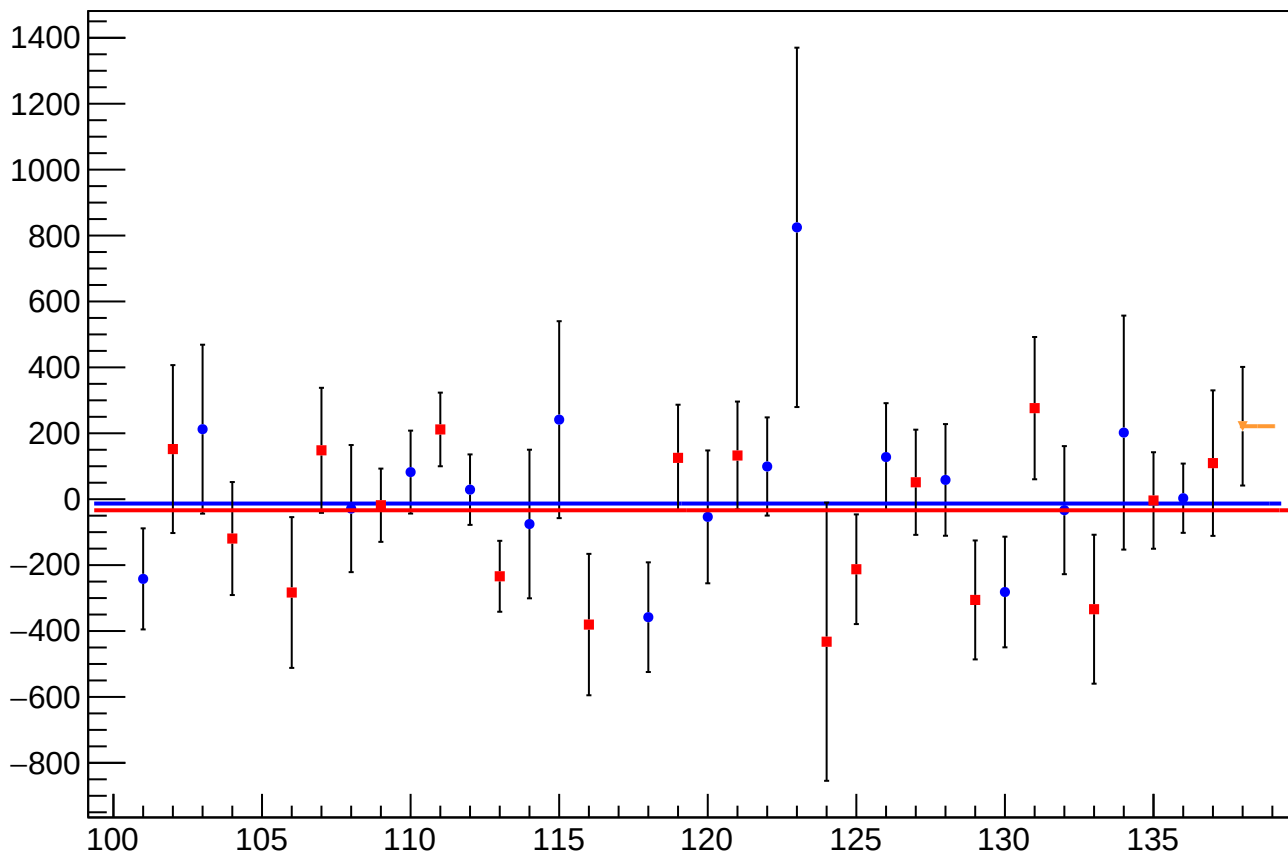
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 881.467 $\pm$ 0.732  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_3748\_avg\_mean vs Slug



Right In: -13.215+/-40.554  $\chi^2$ /NDF: 15.7/16

Left Out: 221.419+/-179.967  $\chi^2$ /NDF: 0.0/0

Right Out: -33.637+/-38.891  $\chi^2$ /NDF: 24.7/17

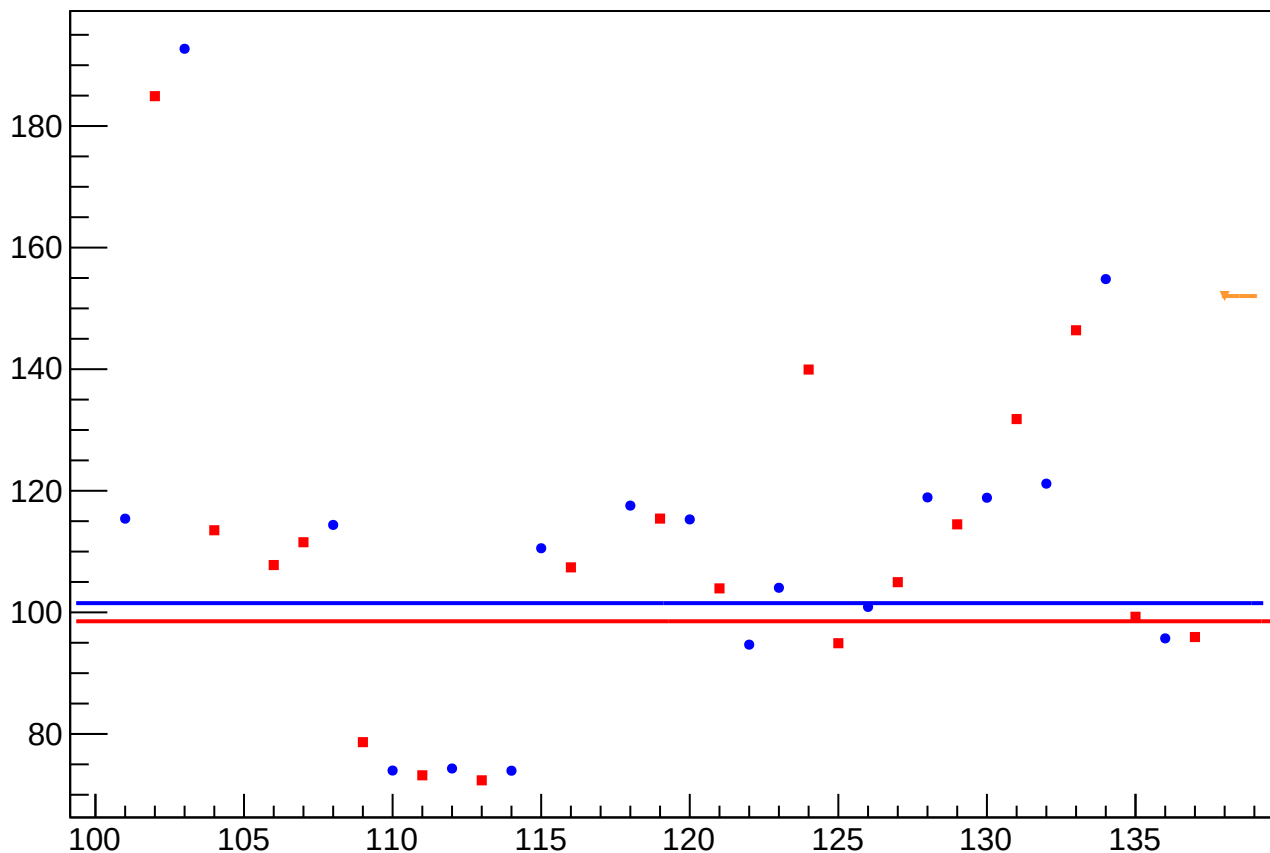
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign -1.877+/-39.562  $\chi^2$ /NDF: 17.3/17

All: -18.028+/-27.734  $\chi^2$ /NDF: 42.3/35

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

dit\_asym\_sam\_3748\_avg\_rms vs Slug



Right In: 101.519+/-0.029  $\chi^2/\text{NDF}$ : 681713.7/16

Left Out: 152.032+/-0.127  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 98.537+/-0.028  $\chi^2/\text{NDF}$ : 746979.4/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

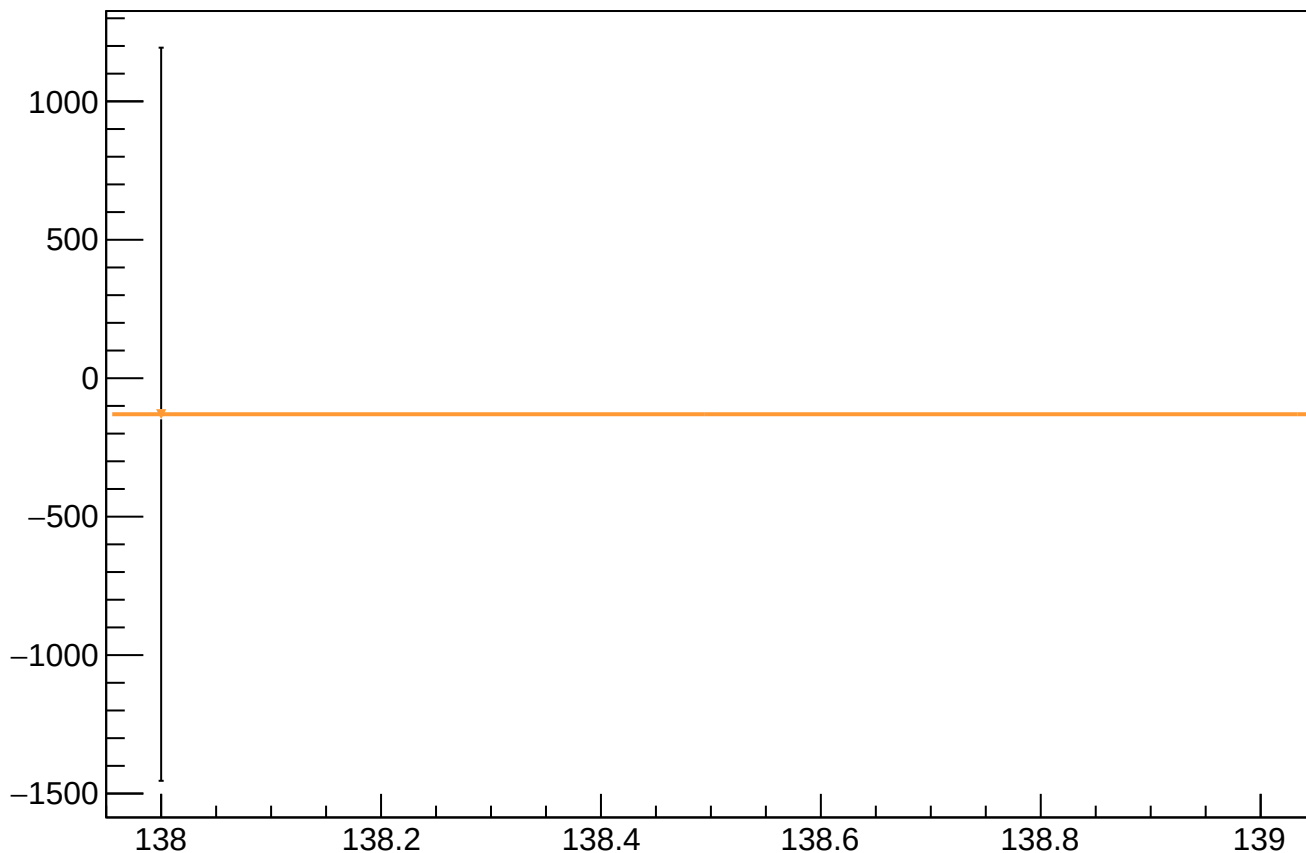
+ sign 103.960+/-0.028  $\chi^2/\text{NDF}$ : 831659.9/17

All: 101.202+/-0.020  $\chi^2/\text{NDF}$ : 1597754.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_3748\_avg\_correction\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -130.060+/-1323.902  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

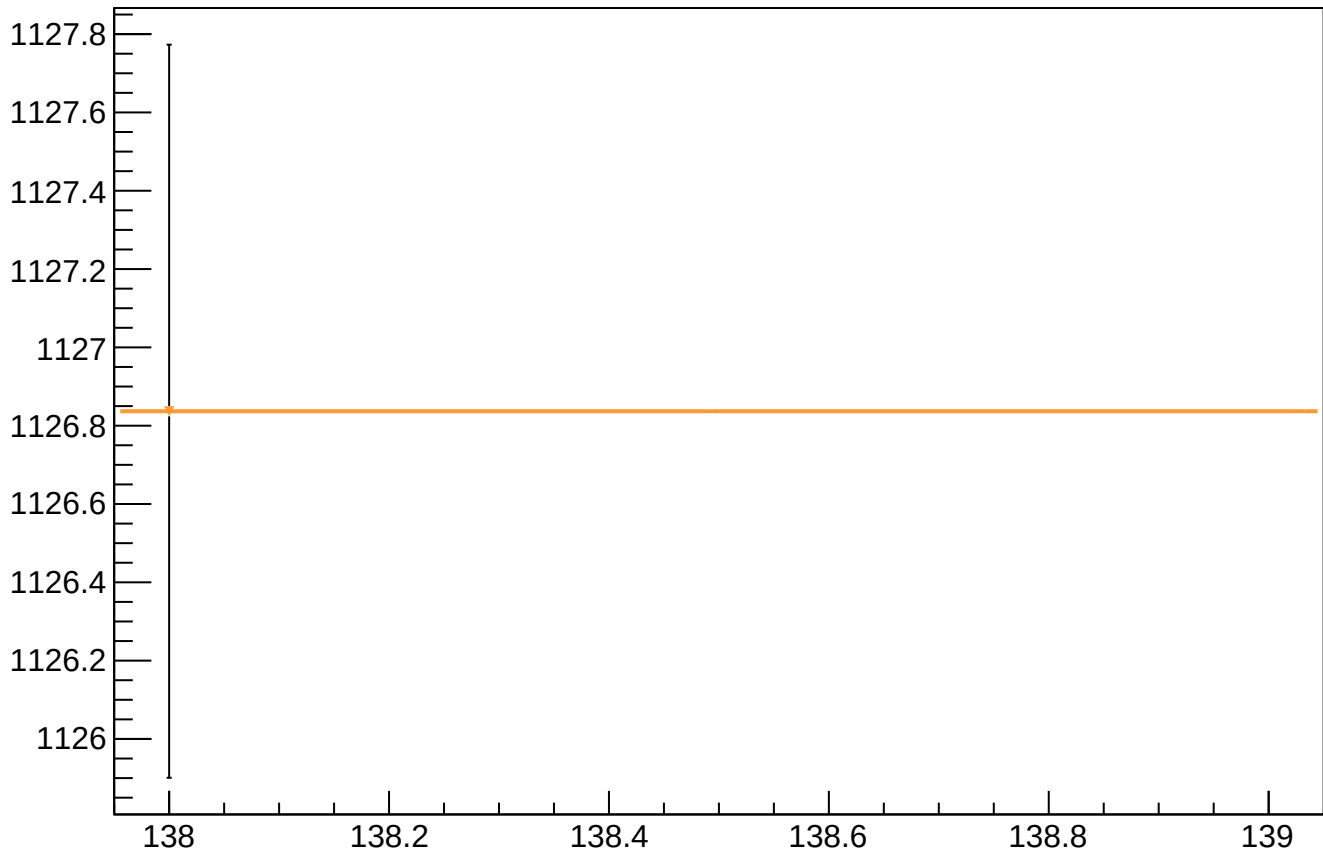
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -130.060+/-1323.902  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3748\_avg\_correction\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1126.837+/-0.936  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

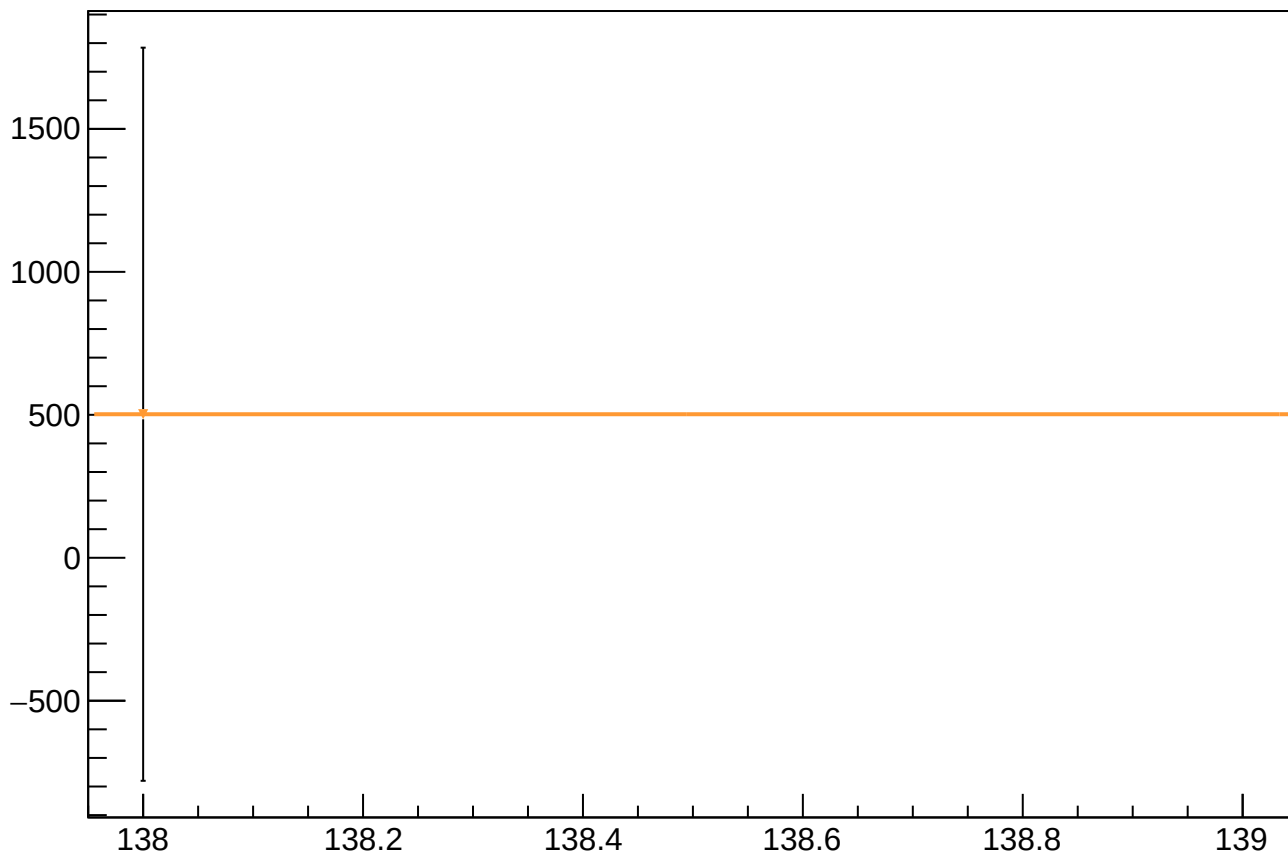
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1126.837+/-0.936  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3748\_avg\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 502.043+/-1282.050  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

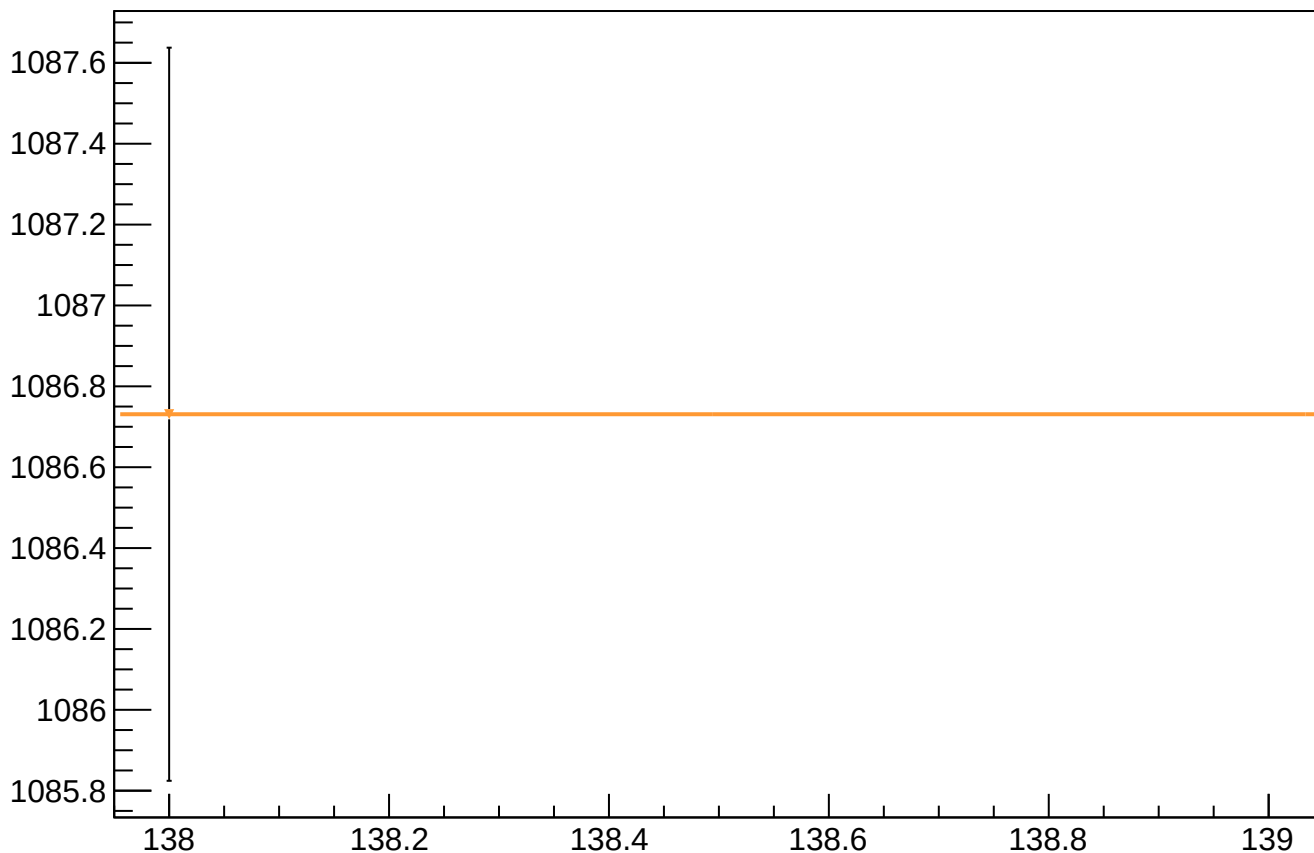
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 502.043+/-1282.050  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3748\_avg\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1086.731+/-0.907  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

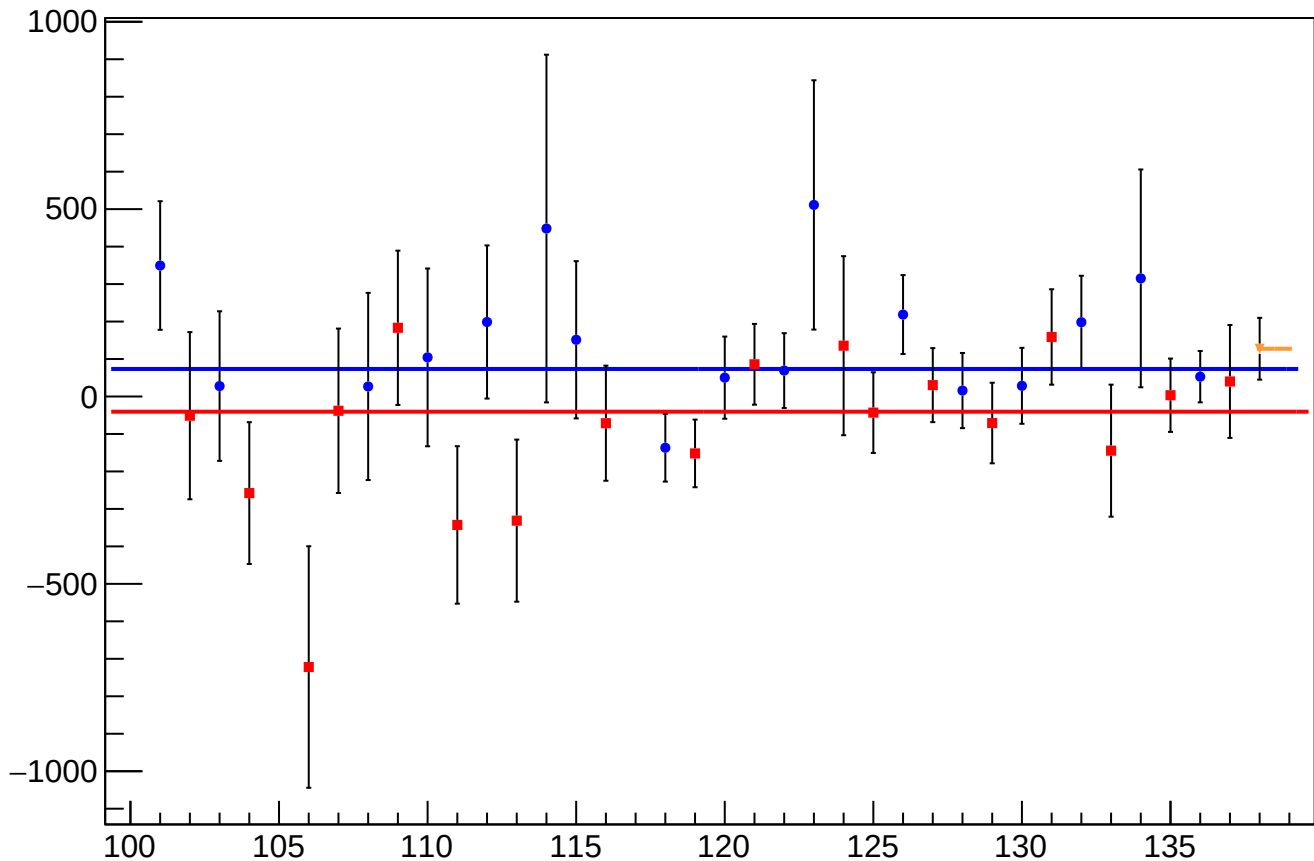
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1086.731+/-0.907  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1526\_avg\_mean vs Slug



Right In: 73.448 $\pm$ 31.060  $\chi^2$ /NDF: 15.3/16

Left Out: 127.407 $\pm$ 82.471  $\chi^2$ /NDF: 0.0/0

Right Out: -40.594 $\pm$ 32.745  $\chi^2$ /NDF: 18.2/17

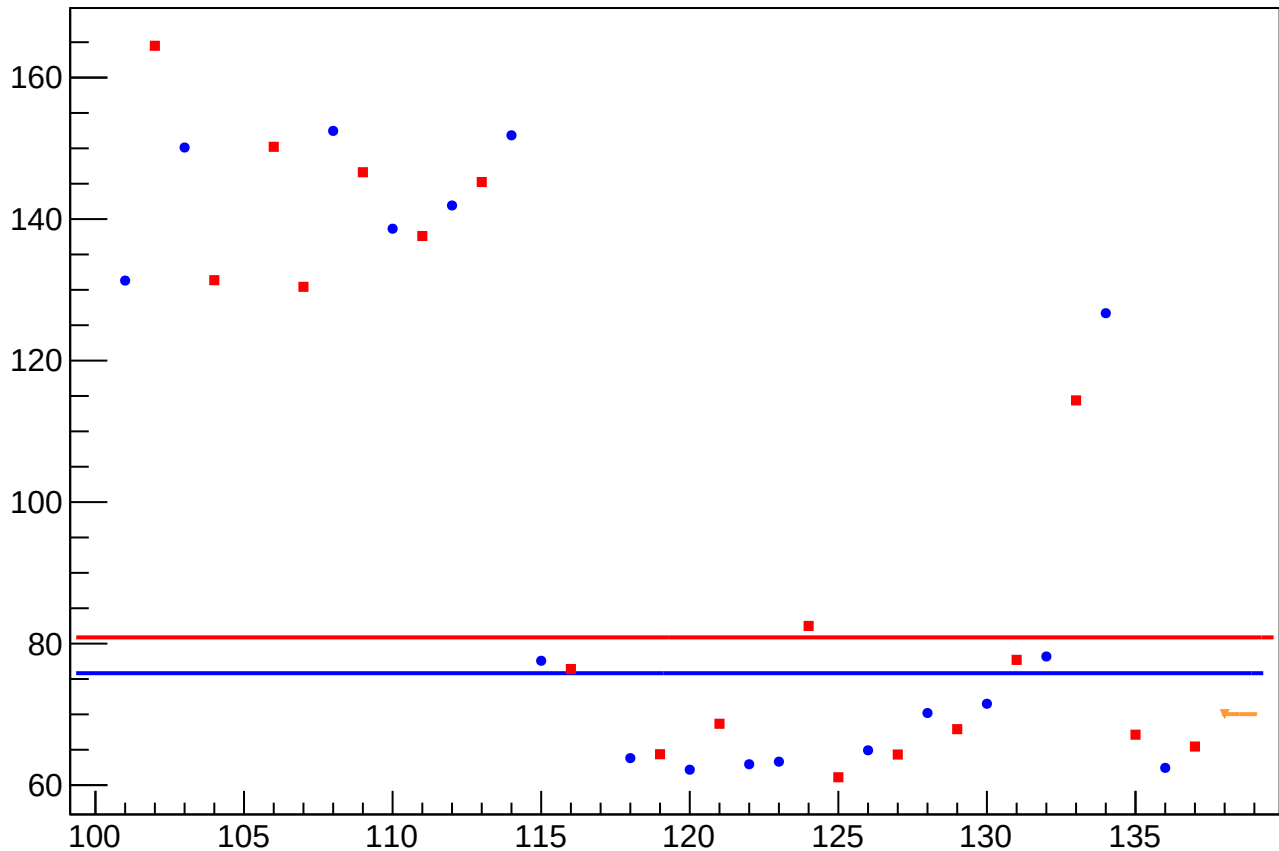
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 80.151 $\pm$ 29.067  $\chi^2$ /NDF: 15.6/17

All: 26.936 $\pm$ 21.738  $\chi^2$ /NDF: 41.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_1526\_avg\_rms vs Slug



Right In: 75.820 $\pm$ 0.022  $\chi^2$ /NDF: 1349961.8/16

Left Out: 70.033 $\pm$ 0.058  $\chi^2$ /NDF: 0.0/0

Right Out: 80.881 $\pm$ 0.023  $\chi^2$ /NDF: 1526044.5/17

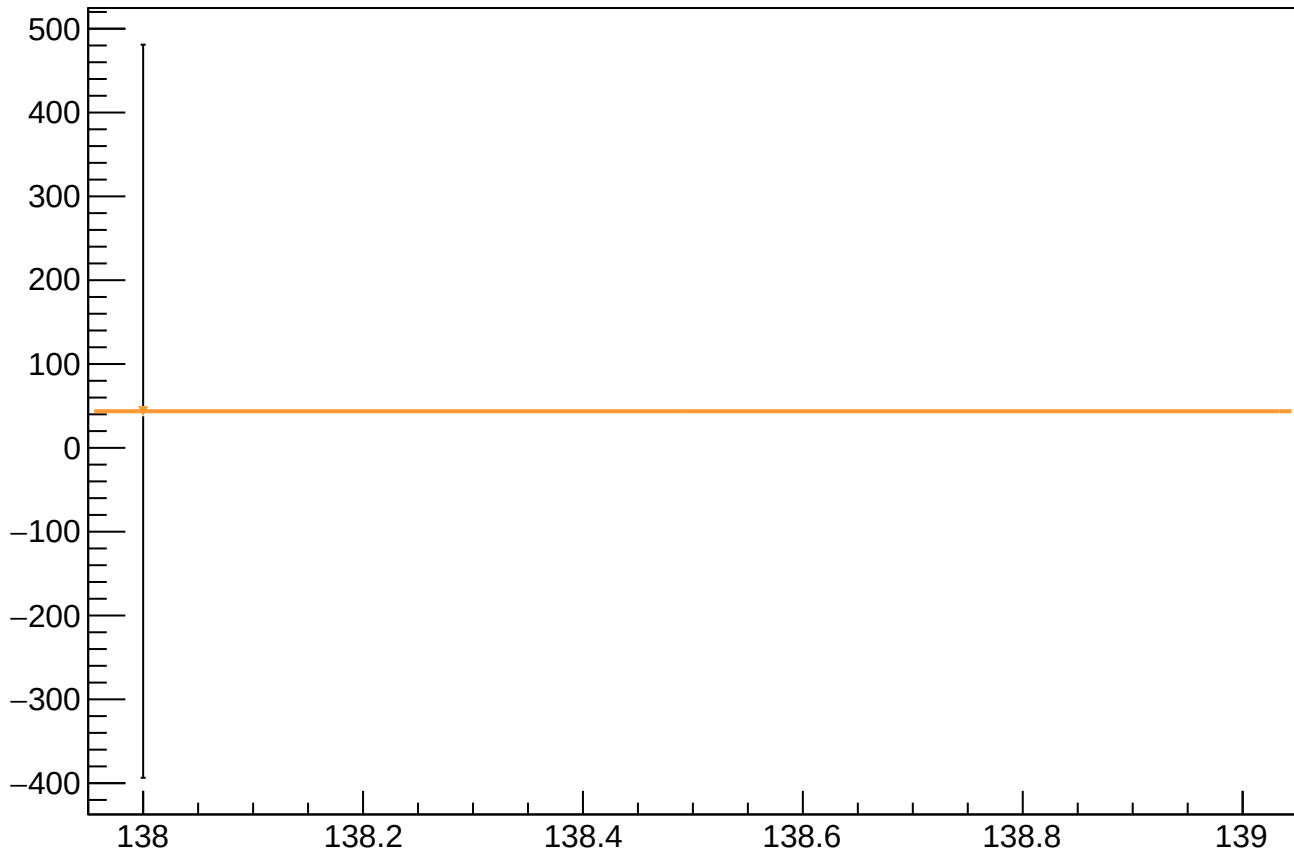
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 75.101 $\pm$ 0.021  $\chi^2$ /NDF: 1358586.4/17

All: 77.648 $\pm$ 0.015  $\chi^2$ /NDF: 2919488.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1526\_avg\_correction\_mean vs Slug



Right In: 0.000 +/- 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 43.688 +/- 437.275  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 +/- 0.000  $\chi^2$ /NDF: 0.0/0

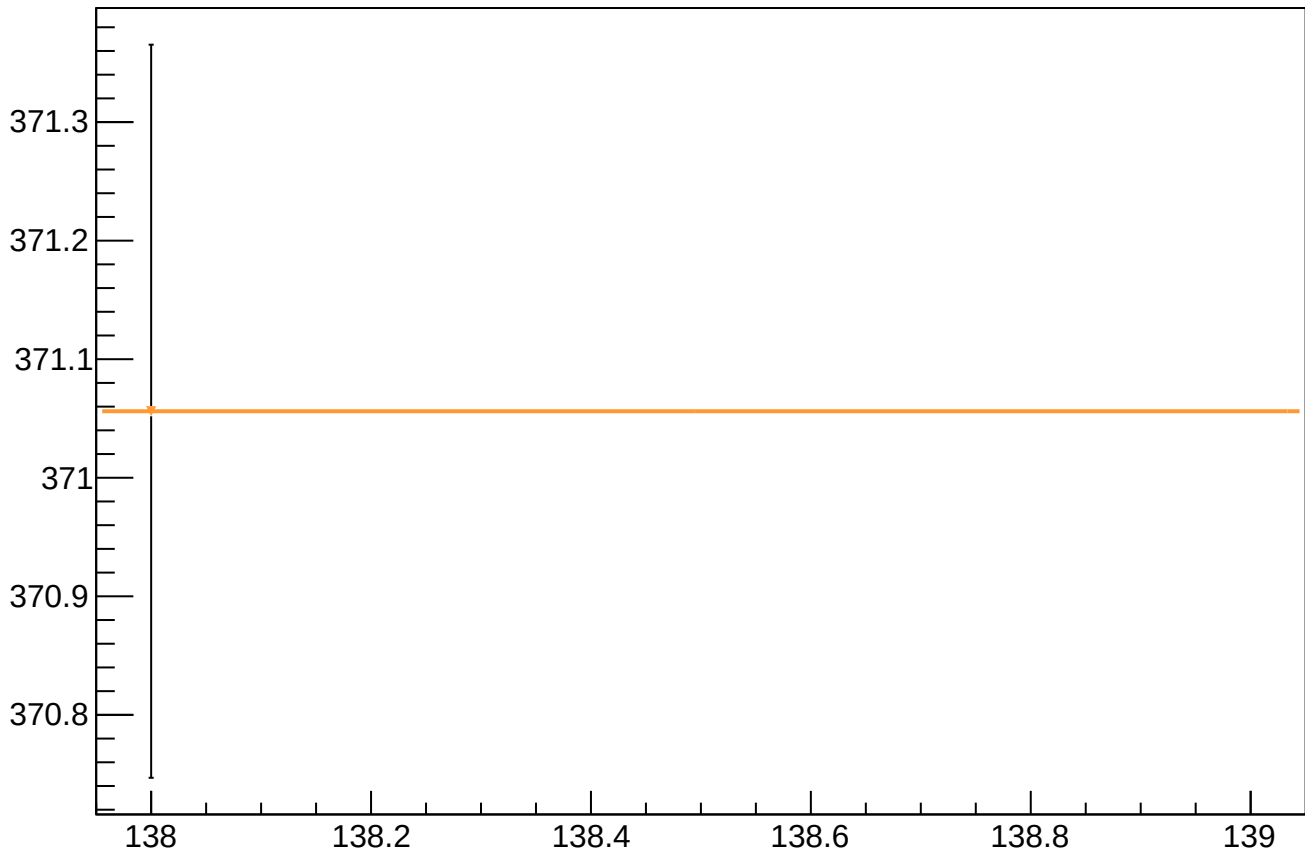
Left In: 0.000 +/- 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 +/- 0.000  $\chi^2$ /NDF: 0.0/0

All: 43.688 +/- 437.275  $\chi^2$ /NDF: 0.0/0

- sign 0.000 +/- 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1526\_avg\_correction\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 371.056+/-0.309  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

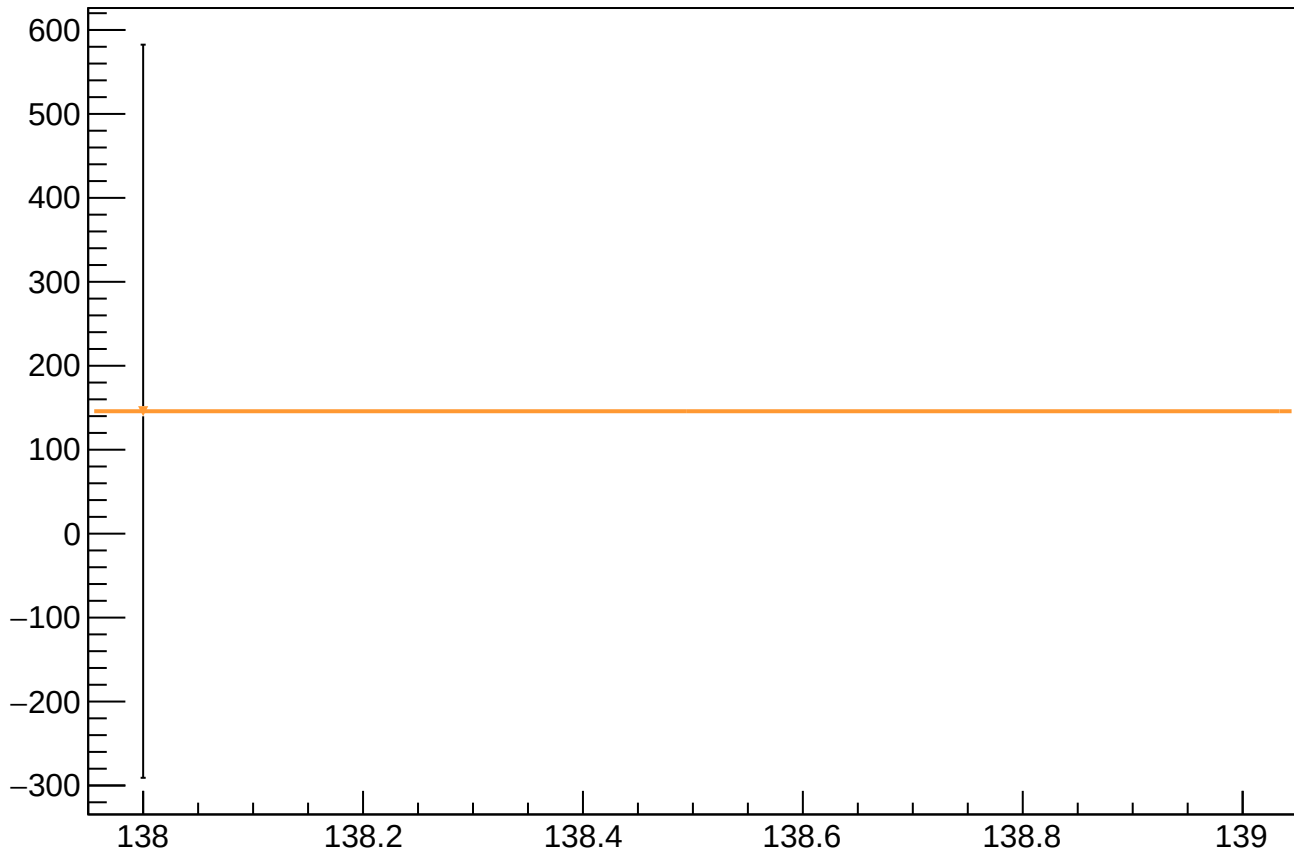
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 371.056+/-0.309  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_1526\_avg\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 145.833+/-436.665  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

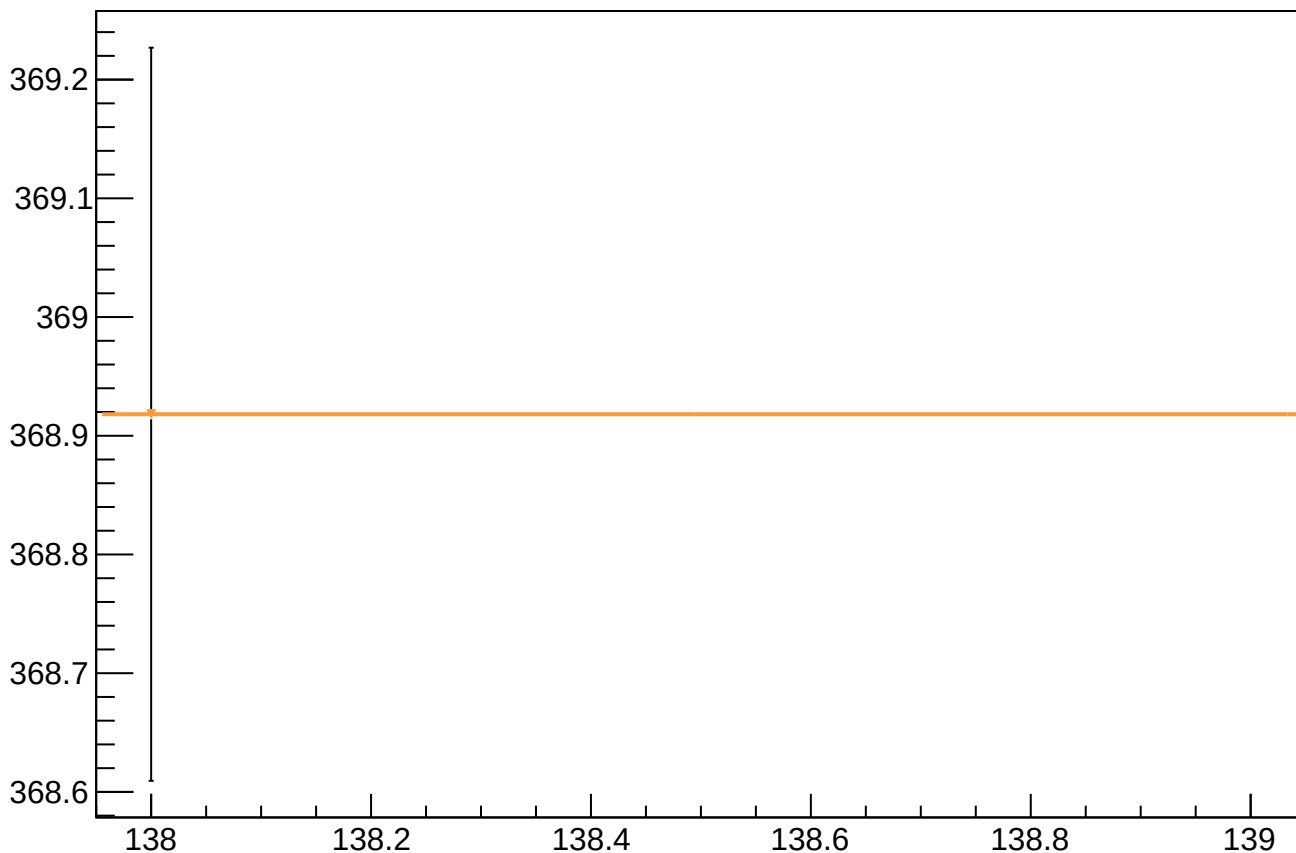
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 145.833+/-436.665  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1526\_avg\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 368.918+/-0.309  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

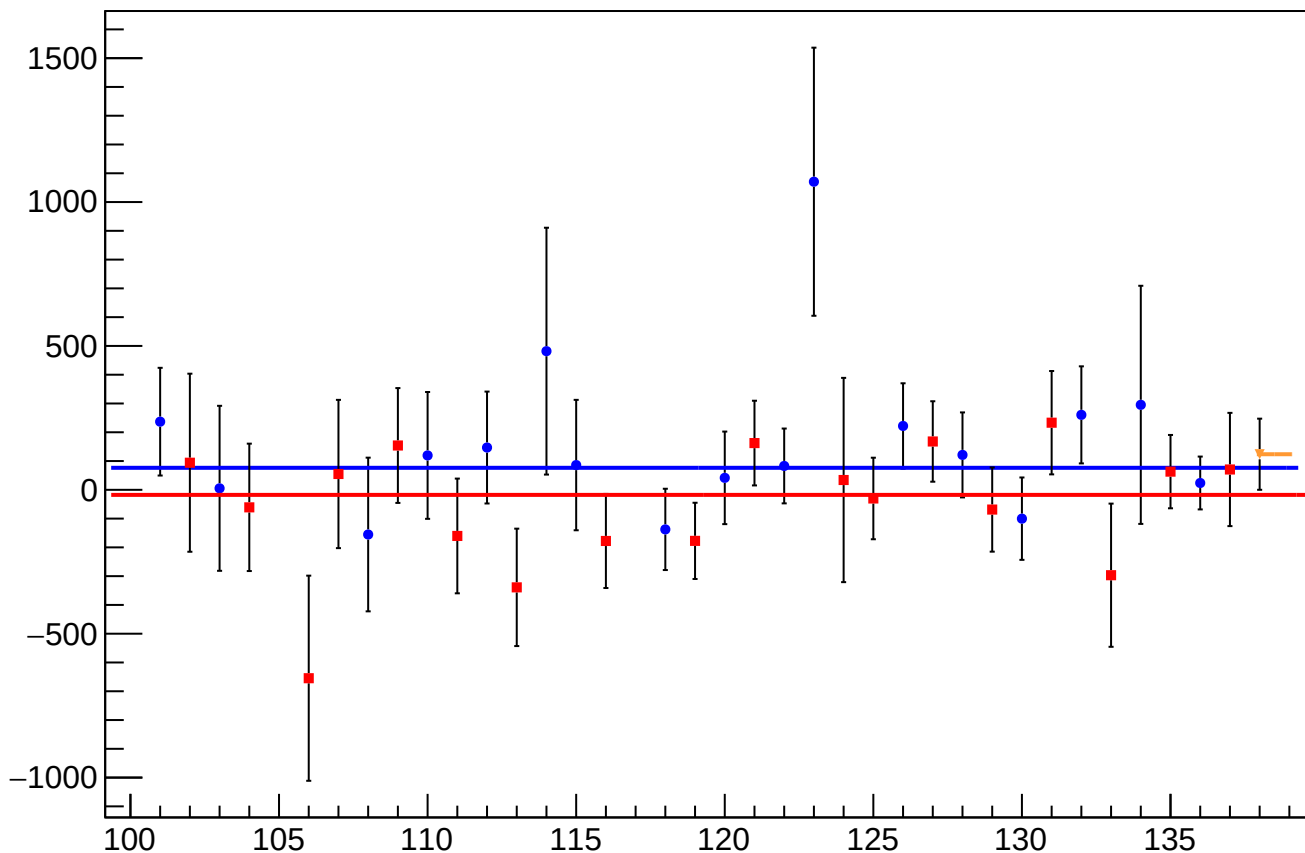
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 368.918+/-0.309  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_3726\_avg\_mean vs Slug



Right In: 76.503 $\pm$ 41.558  $\chi^2$ /NDF: 13.9/16

Left Out: 123.658 $\pm$ 123.606  $\chi^2$ /NDF: 0.0/0

Right Out: -17.605 $\pm$ 42.297  $\chi^2$ /NDF: 16.8/17

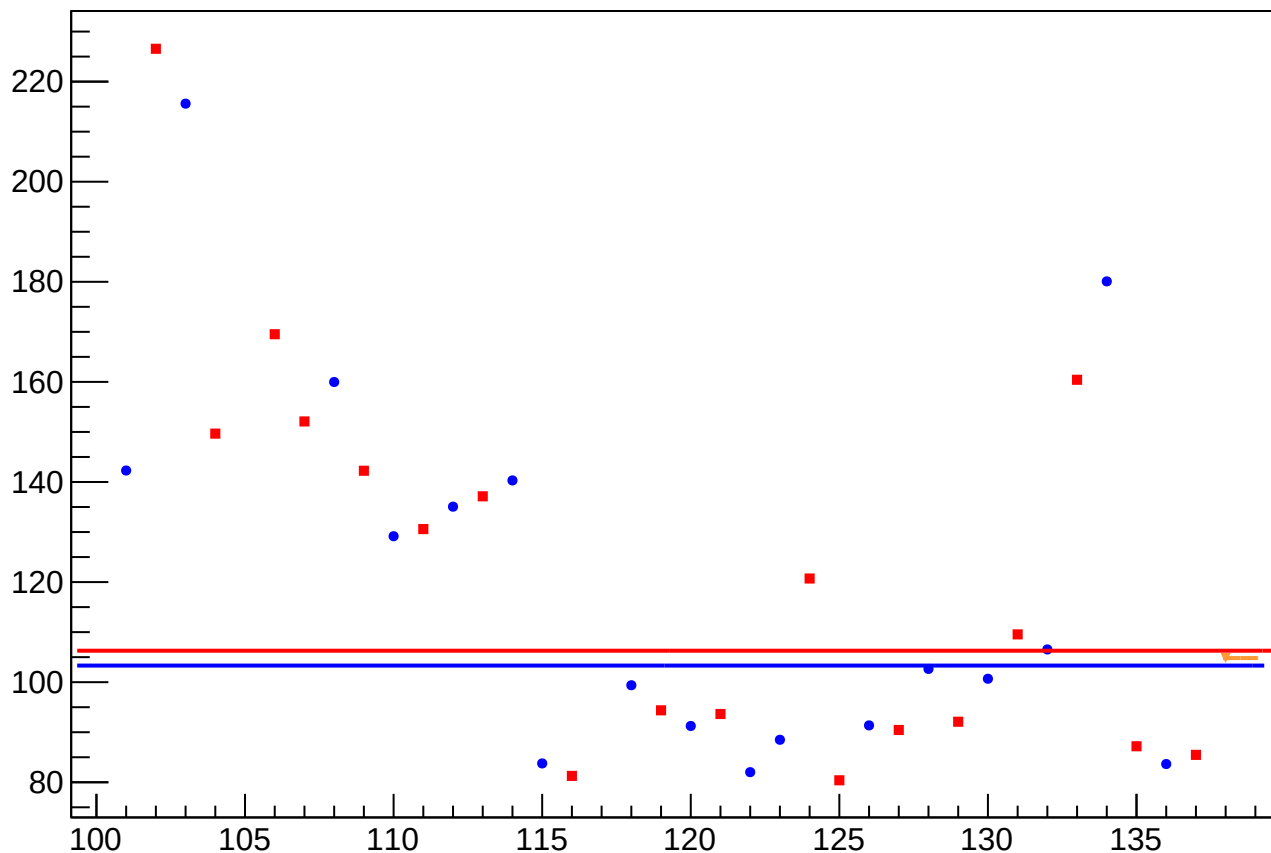
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 81.292 $\pm$ 39.391  $\chi^2$ /NDF: 14.0/17

All: 35.358 $\pm$ 28.826  $\chi^2$ /NDF: 33.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_asym\_sam\_3726\_avg\_rms vs Slug



Right In: 103.318+/-0.029  $\chi^2/\text{NDF}$ : 837801.7/16

Left Out: 104.821+/-0.087  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 106.289+/-0.030  $\chi^2/\text{NDF}$ : 1000708.3/17

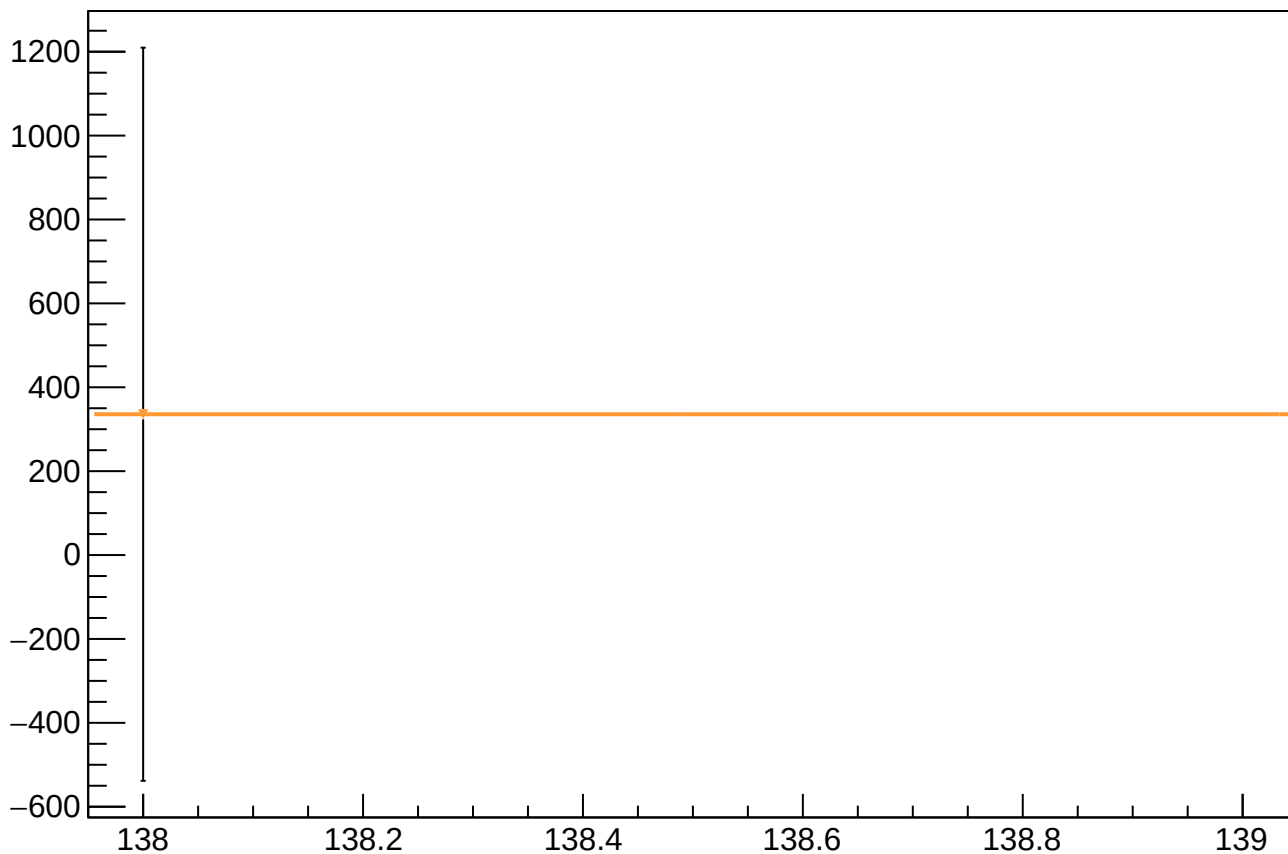
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 103.470+/-0.028  $\chi^2/\text{NDF}$ : 838067.7/17

All: 104.779+/-0.020  $\chi^2/\text{NDF}$ : 1843531.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3726\_avg\_correction\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 335.716+/-873.913  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

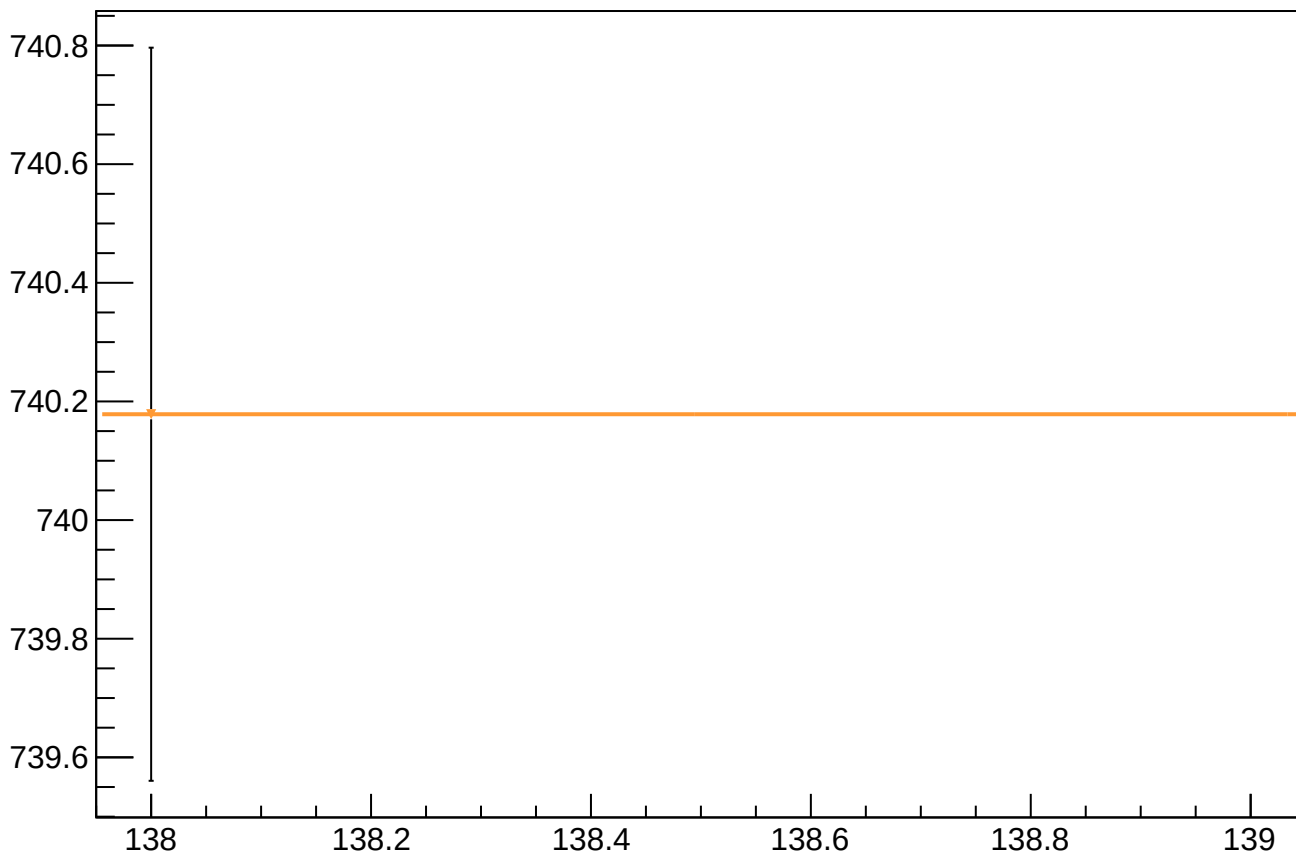
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 335.716+/-873.913  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3726\_avg\_correction\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 740.178 $\pm$ 0.618  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

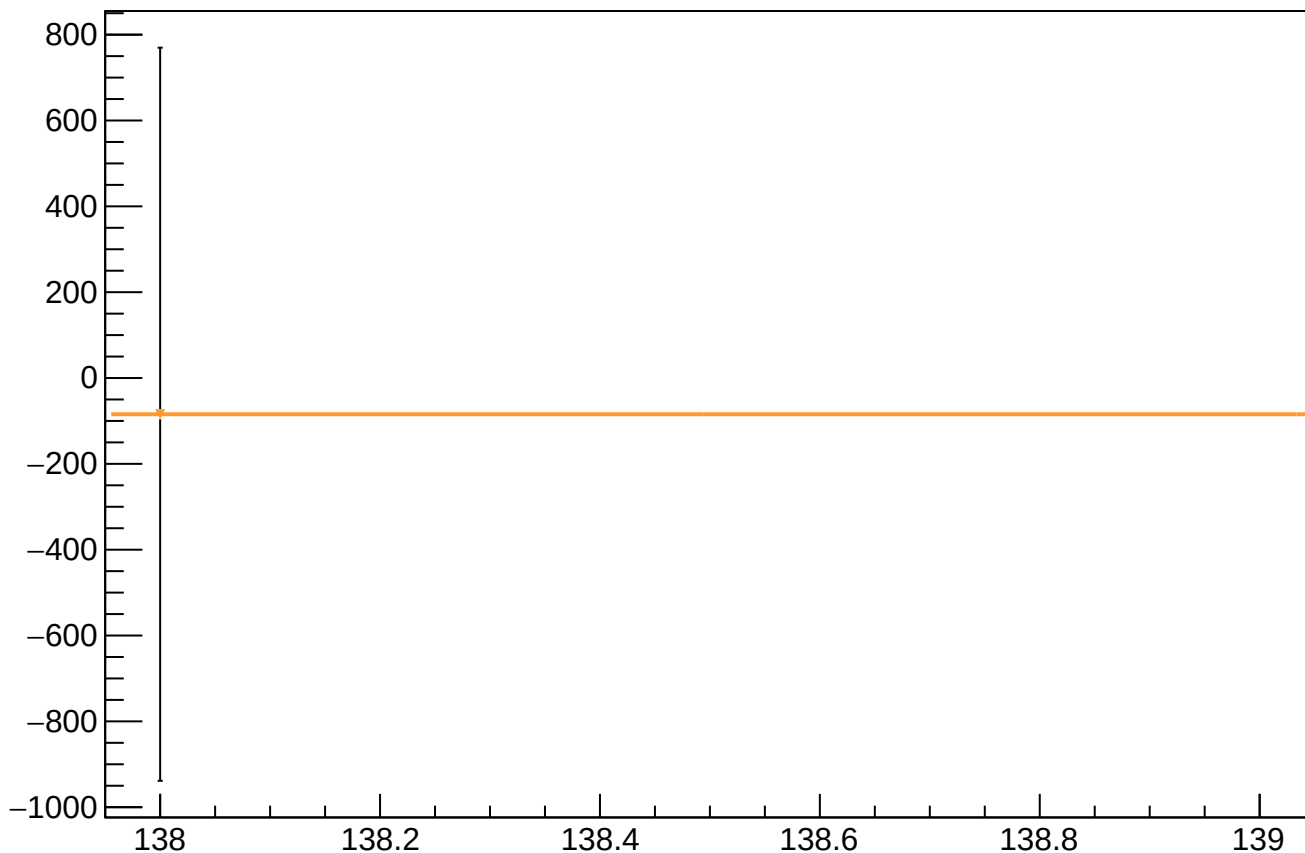
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 740.178 $\pm$ 0.618  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_3726\_avg\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -84.386+/-854.095  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

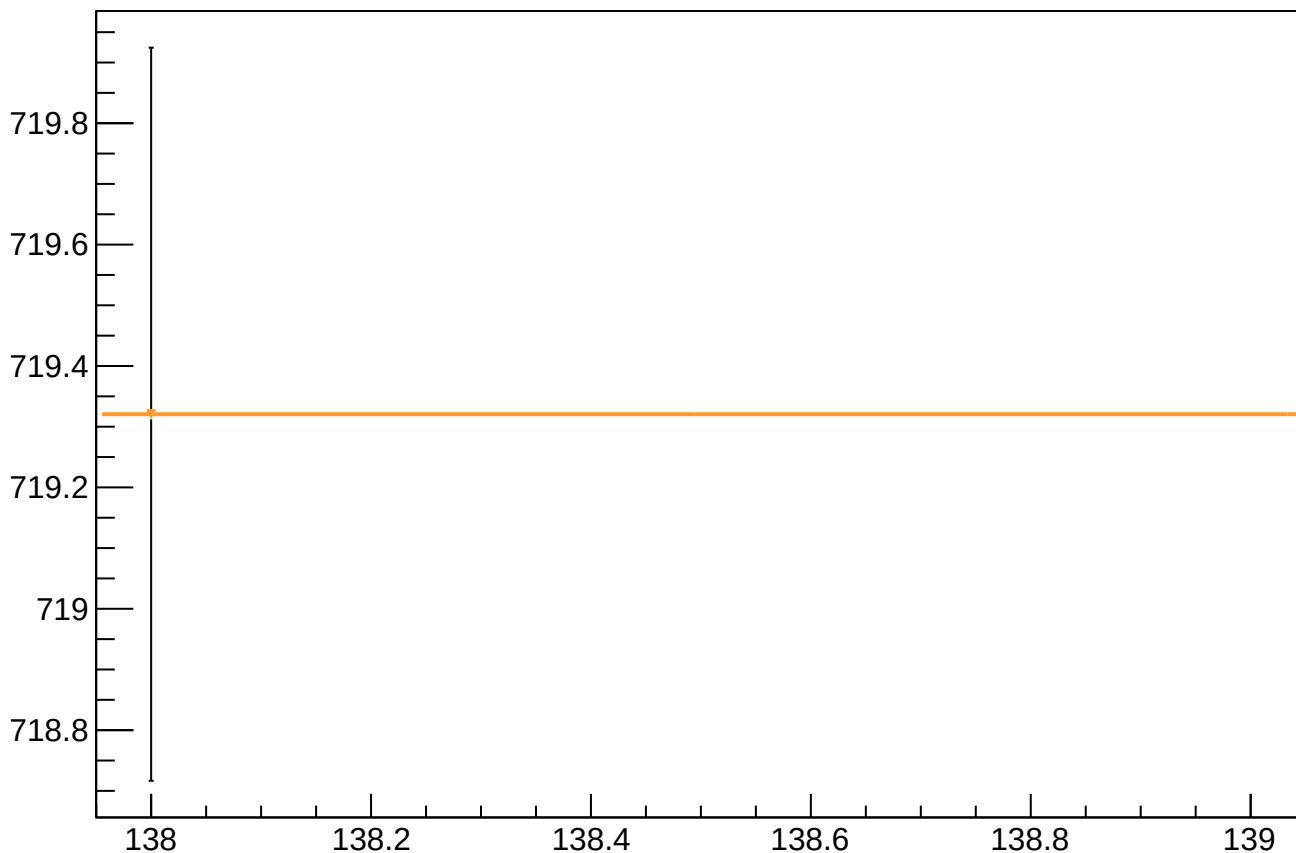
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -84.386+/-854.095  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3726\_avg\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 719.321 $\pm$ 0.604  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

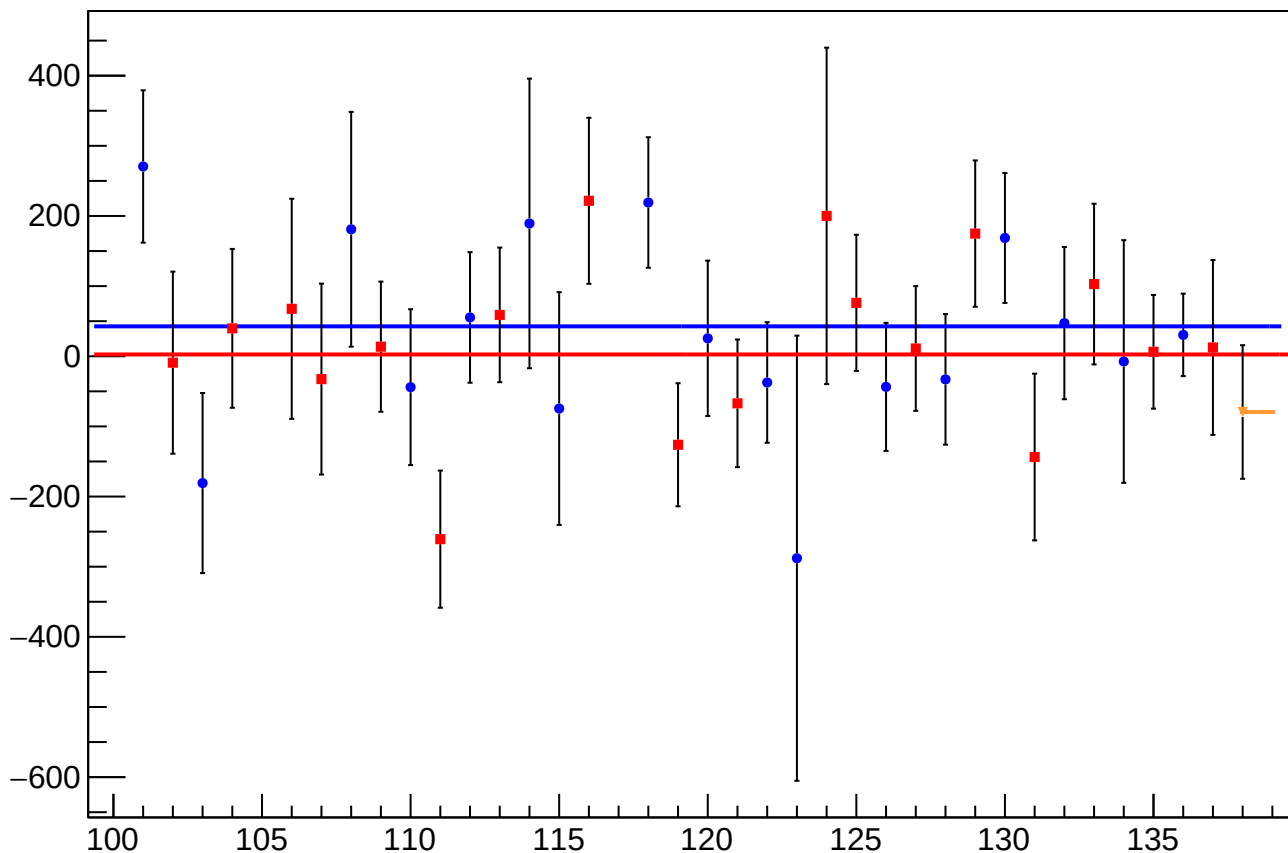
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 719.321 $\pm$ 0.604  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_sam\_15\_48\_dd\_mean vs Slug



Right In: 42.654 $\pm$ 25.486  $\chi^2$ /NDF: 18.9/16

Left Out: -79.433 $\pm$ 95.235  $\chi^2$ /NDF: 0.0/0

Right Out: 2.576 $\pm$ 25.088  $\chi^2$ /NDF: 20.4/17

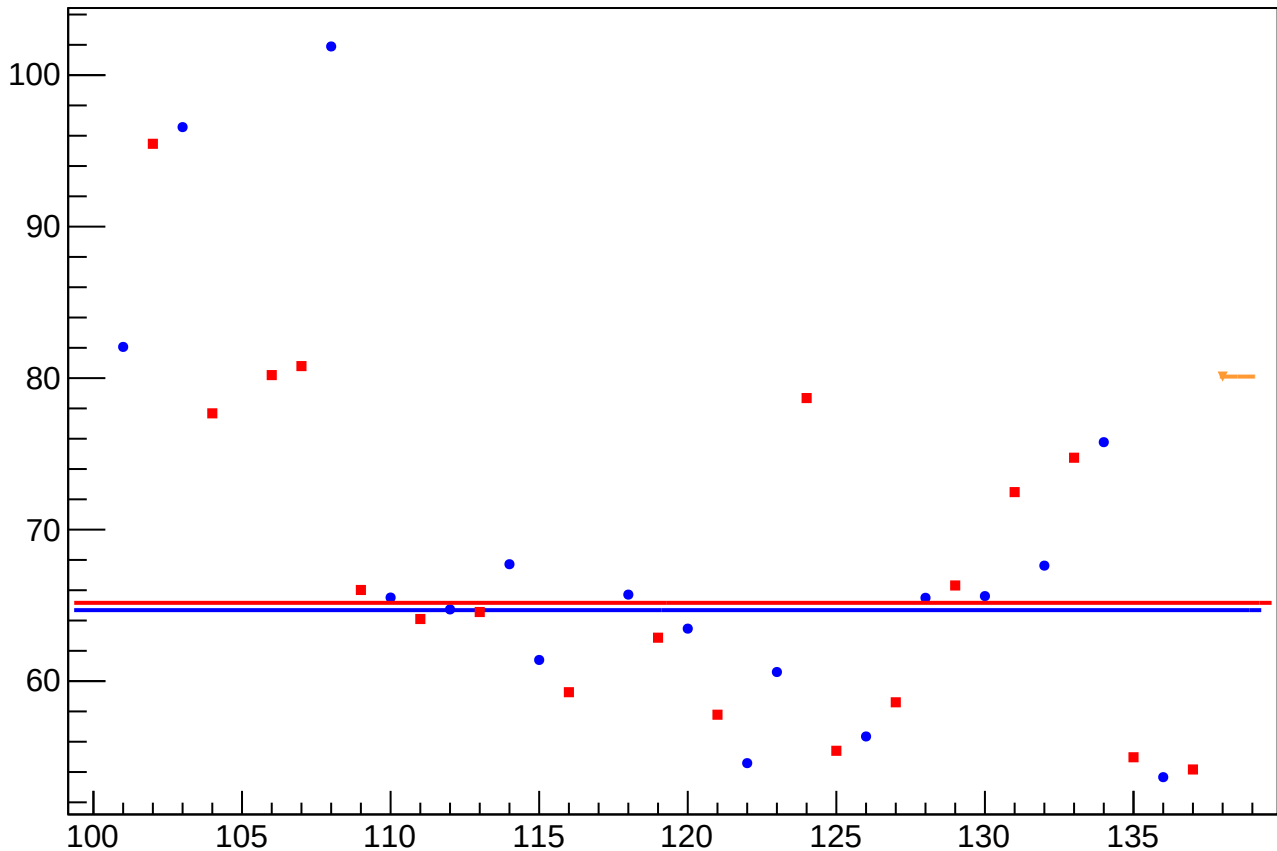
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 34.495 $\pm$ 24.619  $\chi^2$ /NDF: 20.4/17

All: 18.836 $\pm$ 17.572  $\chi^2$ /NDF: 41.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_48\_dd\_rms vs Slug



Right In: 64.685 $\pm$ 0.018  $\chi^2$ /NDF: 400187.1/16

Left Out: 80.102 $\pm$ 0.067  $\chi^2$ /NDF: 0.0/0

Right Out: 65.167 $\pm$ 0.018  $\chi^2$ /NDF: 304580.7/17

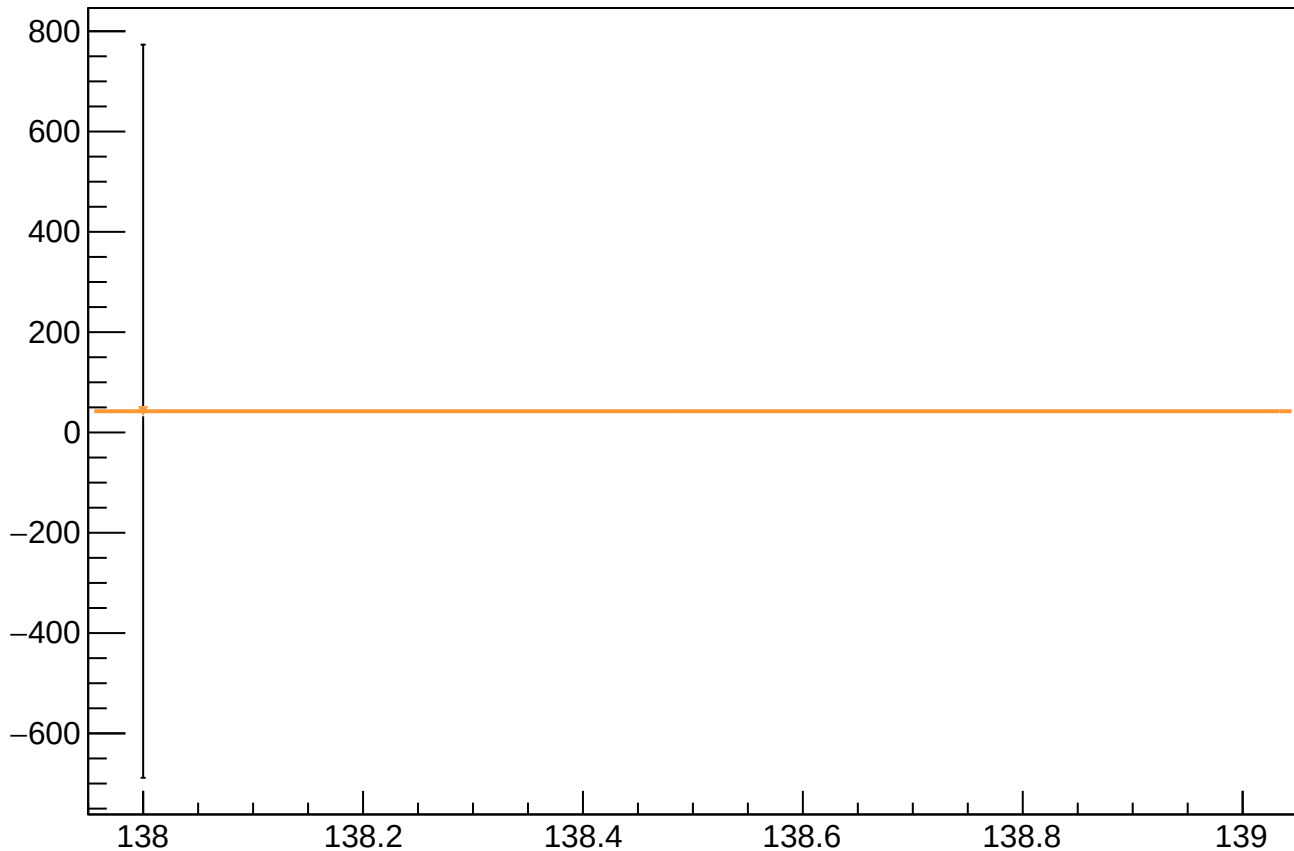
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 65.716 $\pm$ 0.017  $\chi^2$ /NDF: 449092.3/17

All: 65.447 $\pm$ 0.012  $\chi^2$ /NDF: 754159.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_48\_dd\_correction\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 42.325 $\pm$ 730.877  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

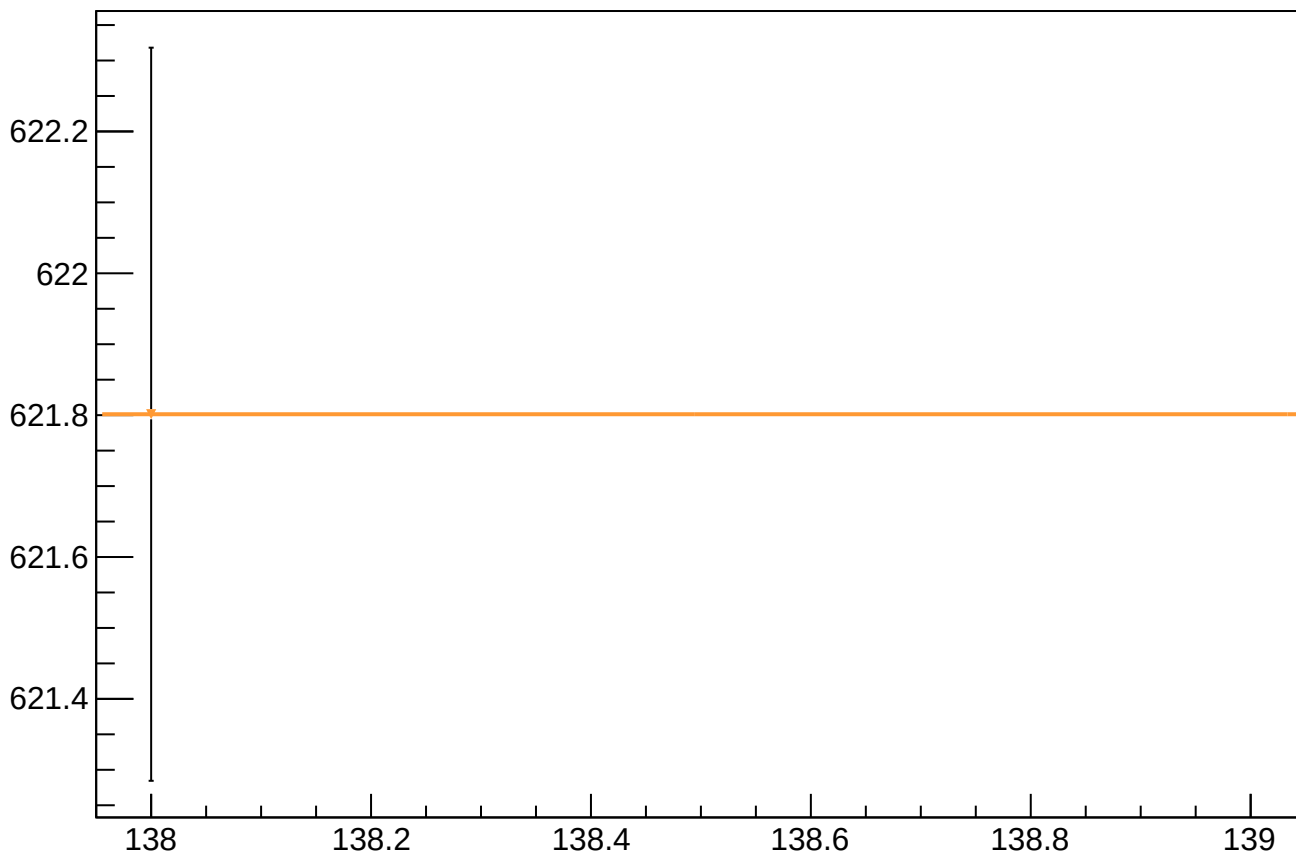
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 42.325 $\pm$ 730.877  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_48\_dd\_correction\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 621.801+/-0.517  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

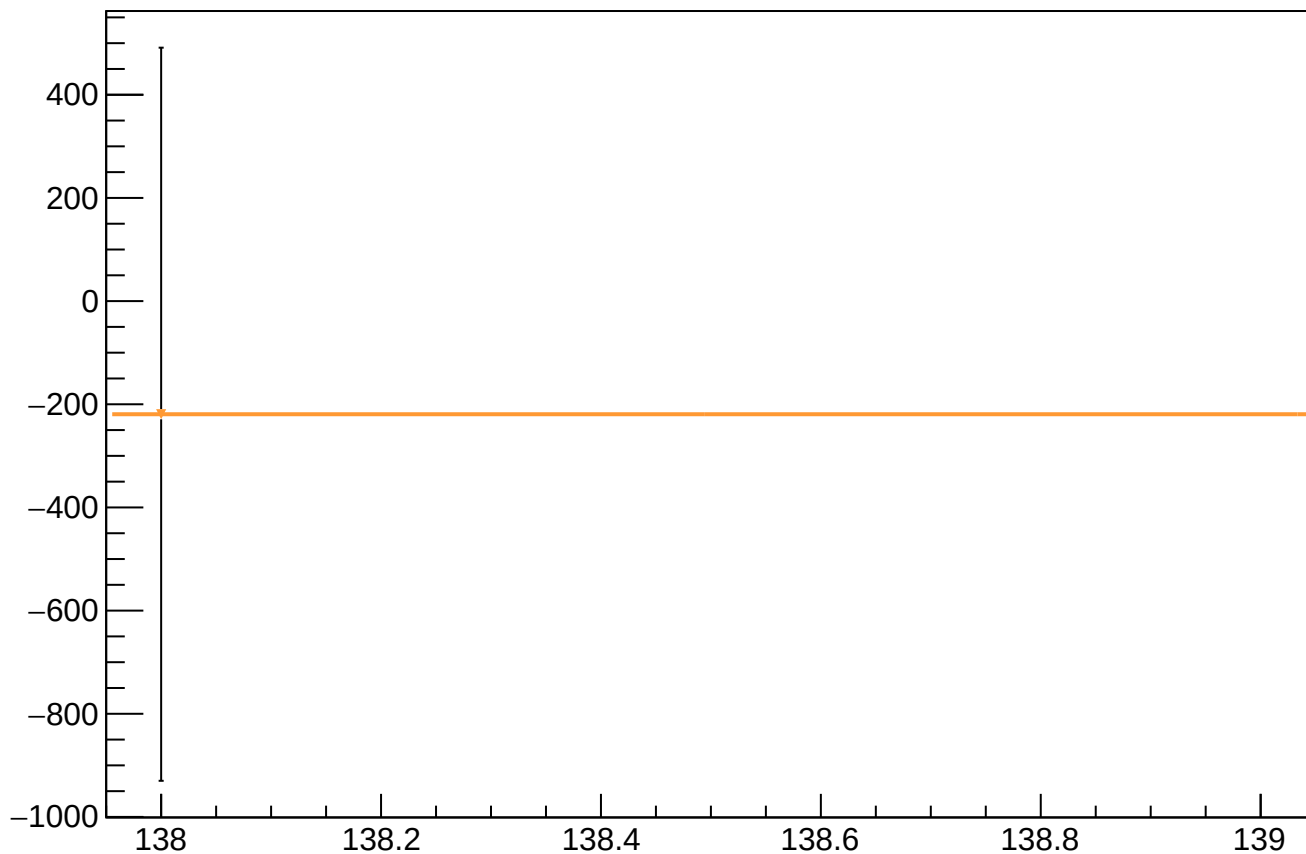
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 621.801+/-0.517  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_48\_dd\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -219.315+/-710.592  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

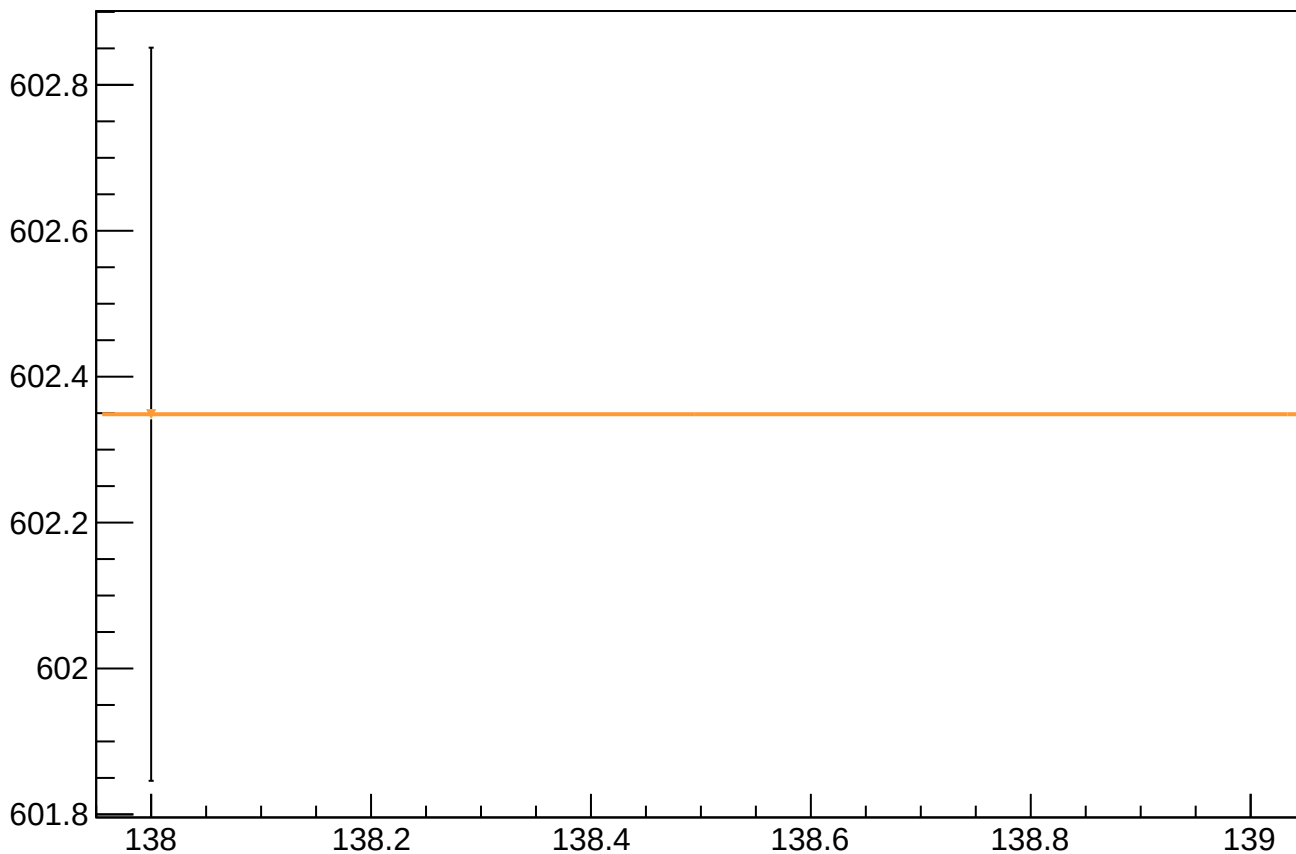
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -219.315+/-710.592  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_48\_dd\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 602.349+/-0.502  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

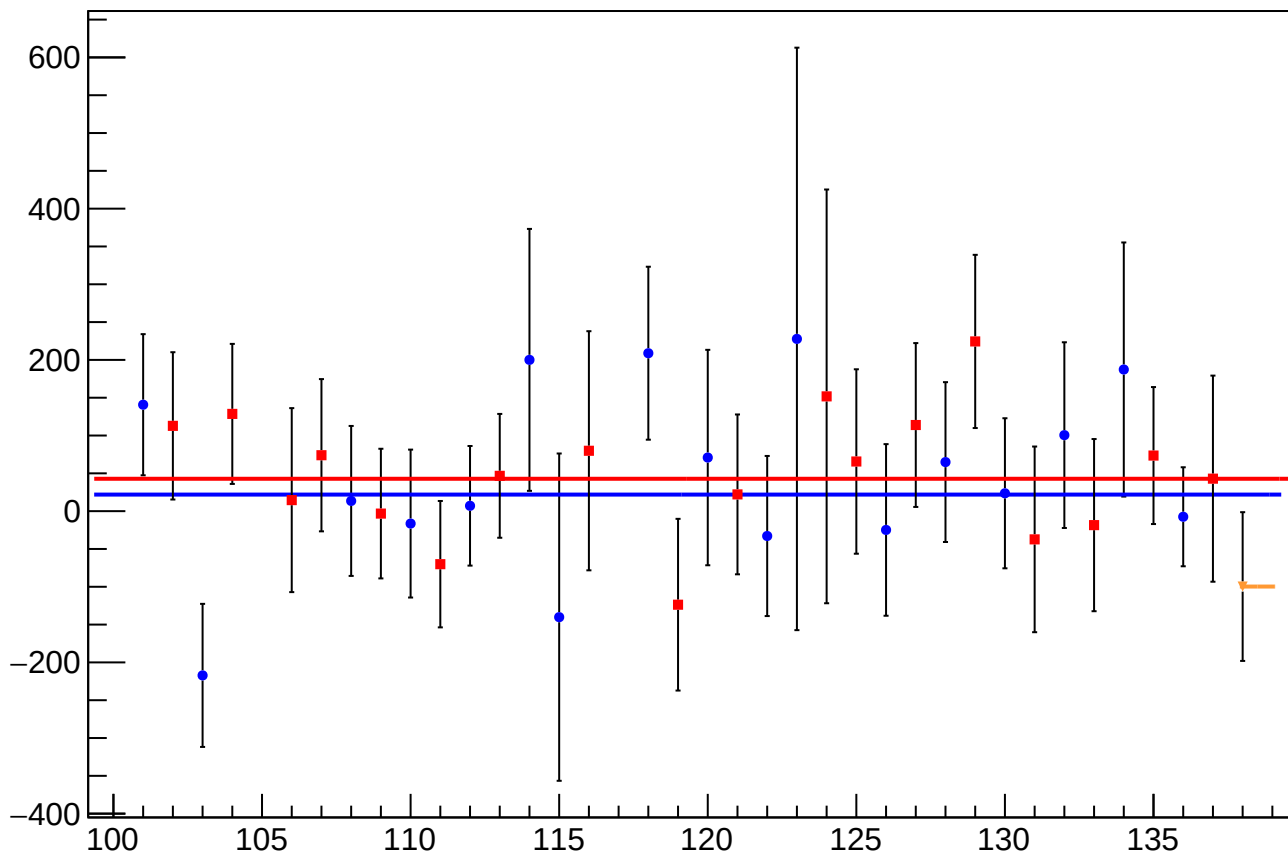
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 602.349+/-0.502  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_48\_dd\_mean vs Slug



Right In: 21.908 $\pm$ 26.055  $\chi^2$ /NDF: 15.1/16

Left Out: -99.702 $\pm$ 98.345  $\chi^2$ /NDF: 0.0/0

Right Out: 42.817 $\pm$ 25.116  $\chi^2$ /NDF: 9.9/17

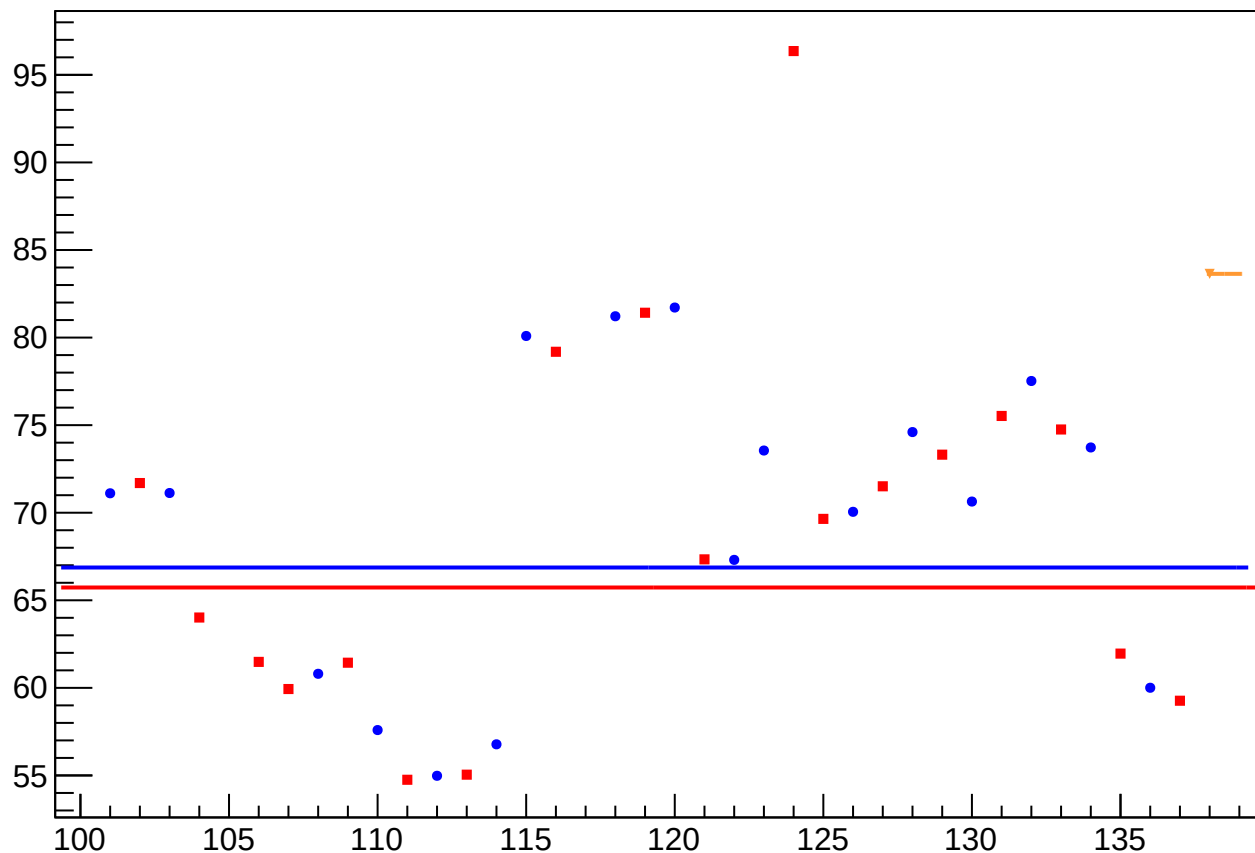
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 13.932 $\pm$ 25.186  $\chi^2$ /NDF: 16.5/17

All: 28.415 $\pm$ 17.784  $\chi^2$ /NDF: 27.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_37\_48\_dd\_rms vs Slug



Right In: 66.872 $\pm$ 0.018  $\chi^2$ /NDF: 202515.6/16

Left Out: 83.638 $\pm$ 0.070  $\chi^2$ /NDF: 0.0/0

Right Out: 65.731 $\pm$ 0.018  $\chi^2$ /NDF: 218867.5/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

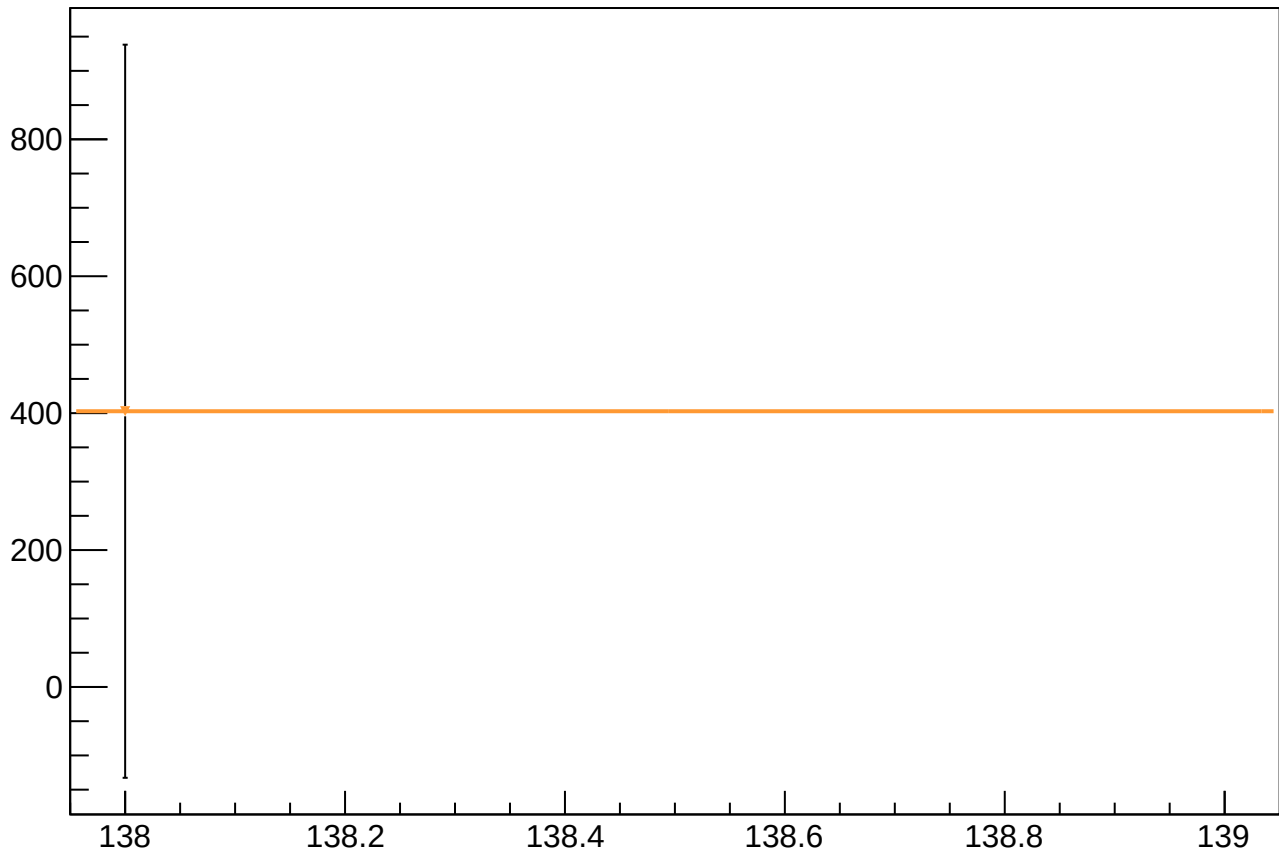
+ sign 67.972 $\pm$ 0.018  $\chi^2$ /NDF: 256831.7/17

All: 66.848 $\pm$ 0.013  $\chi^2$ /NDF: 483639.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



asym\_sam\_37\_48\_dd\_correction\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 402.792+/-535.463  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

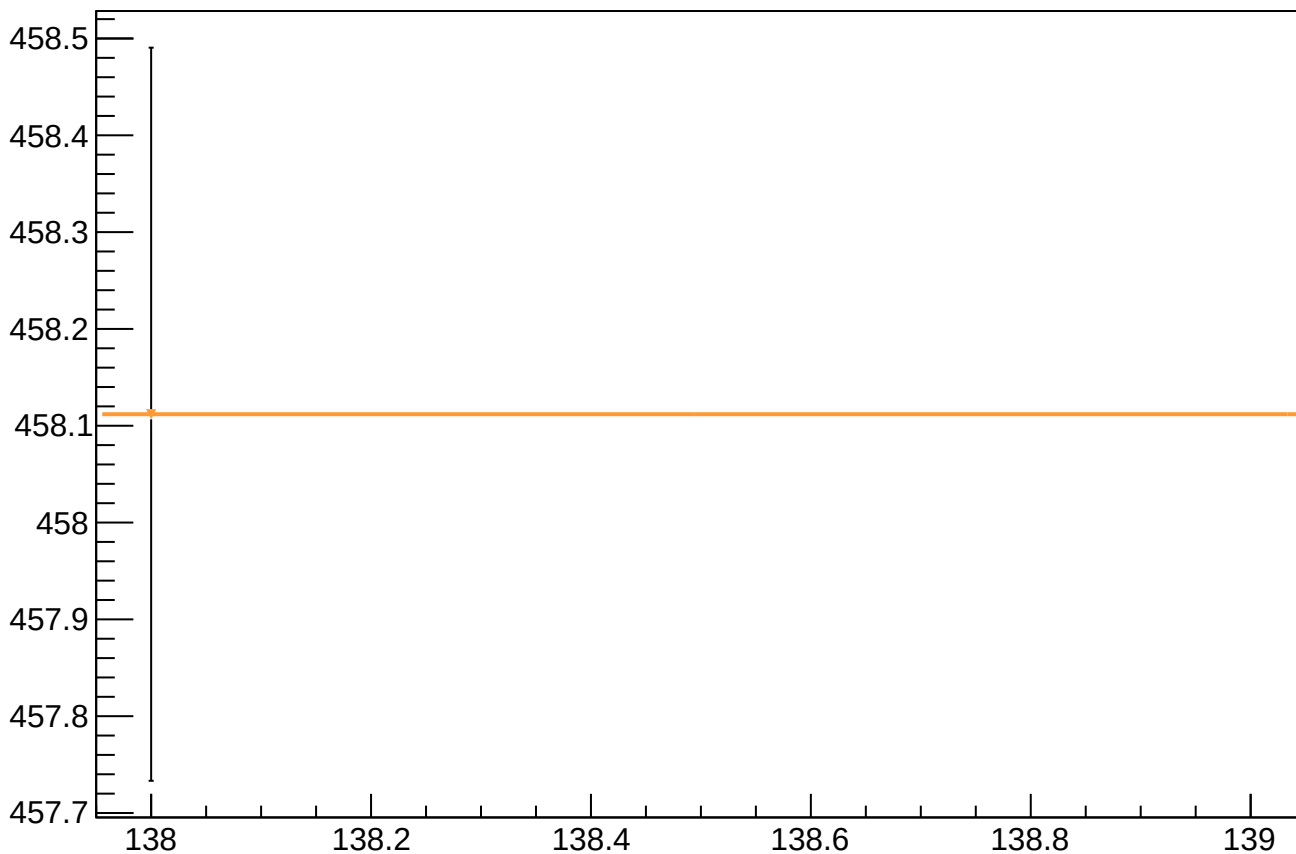
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 402.792+/-535.463  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_48\_dd\_correction\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 458.112 $\pm$ 0.379  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

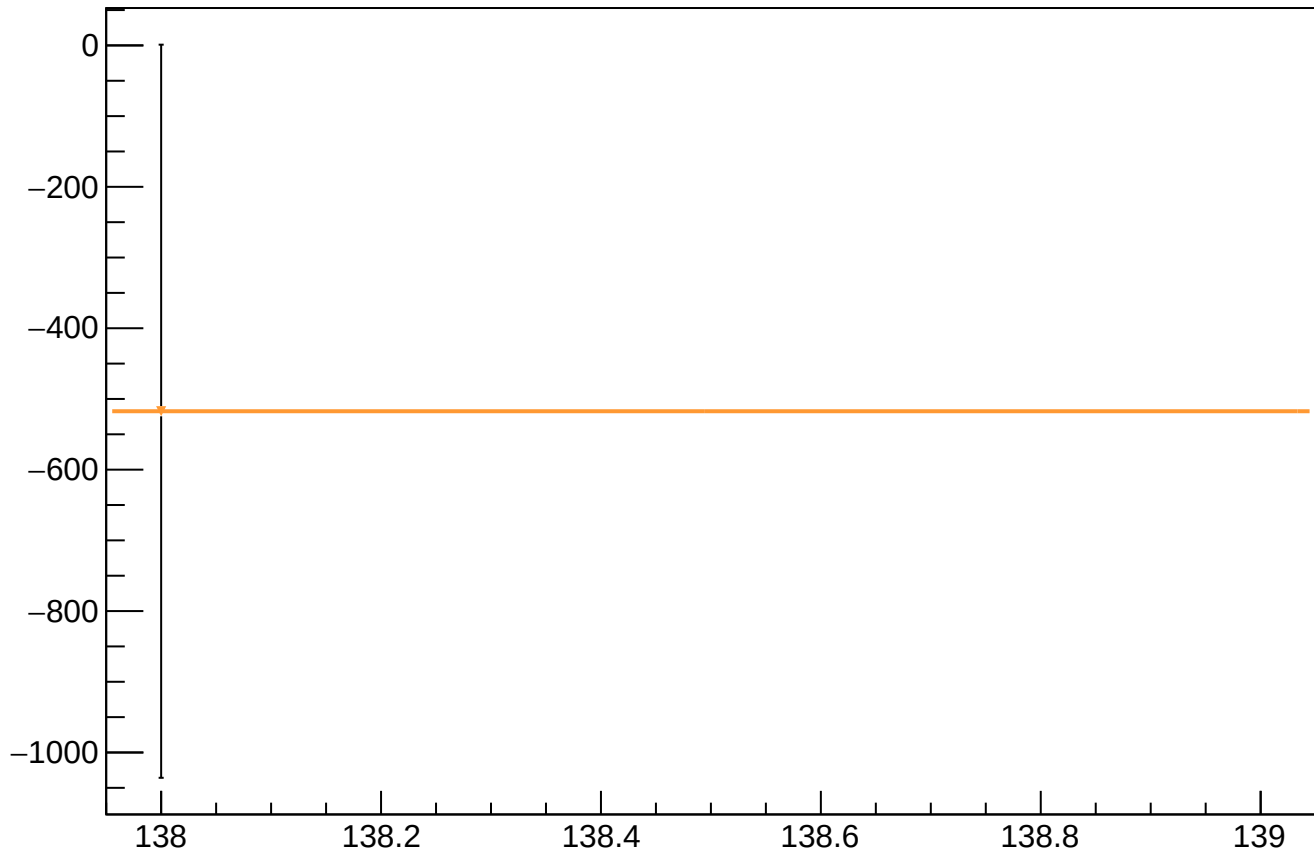
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 458.112 $\pm$ 0.379  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_48\_dd\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -517.375+/-518.424  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

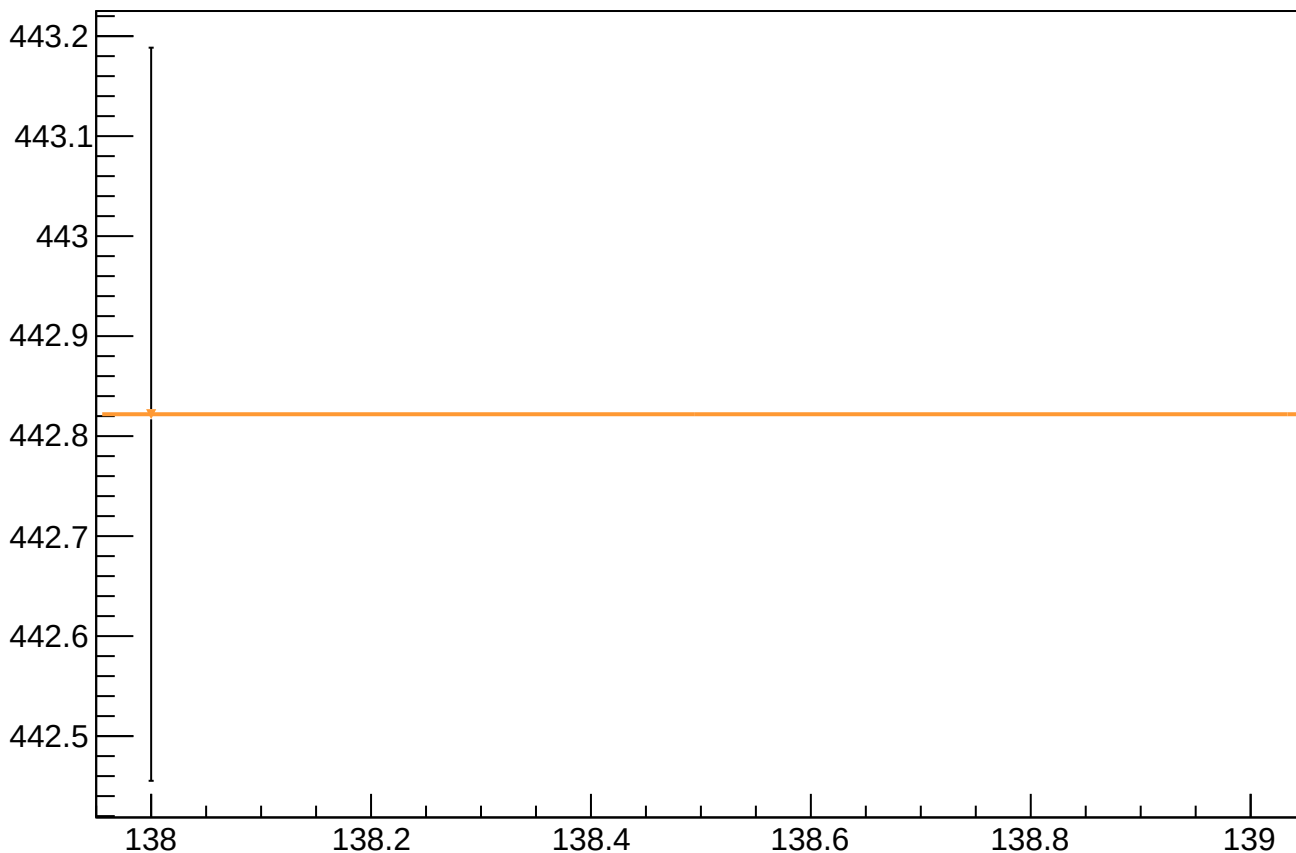
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -517.375+/-518.424  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_48\_dd\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 442.822+/-0.367  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

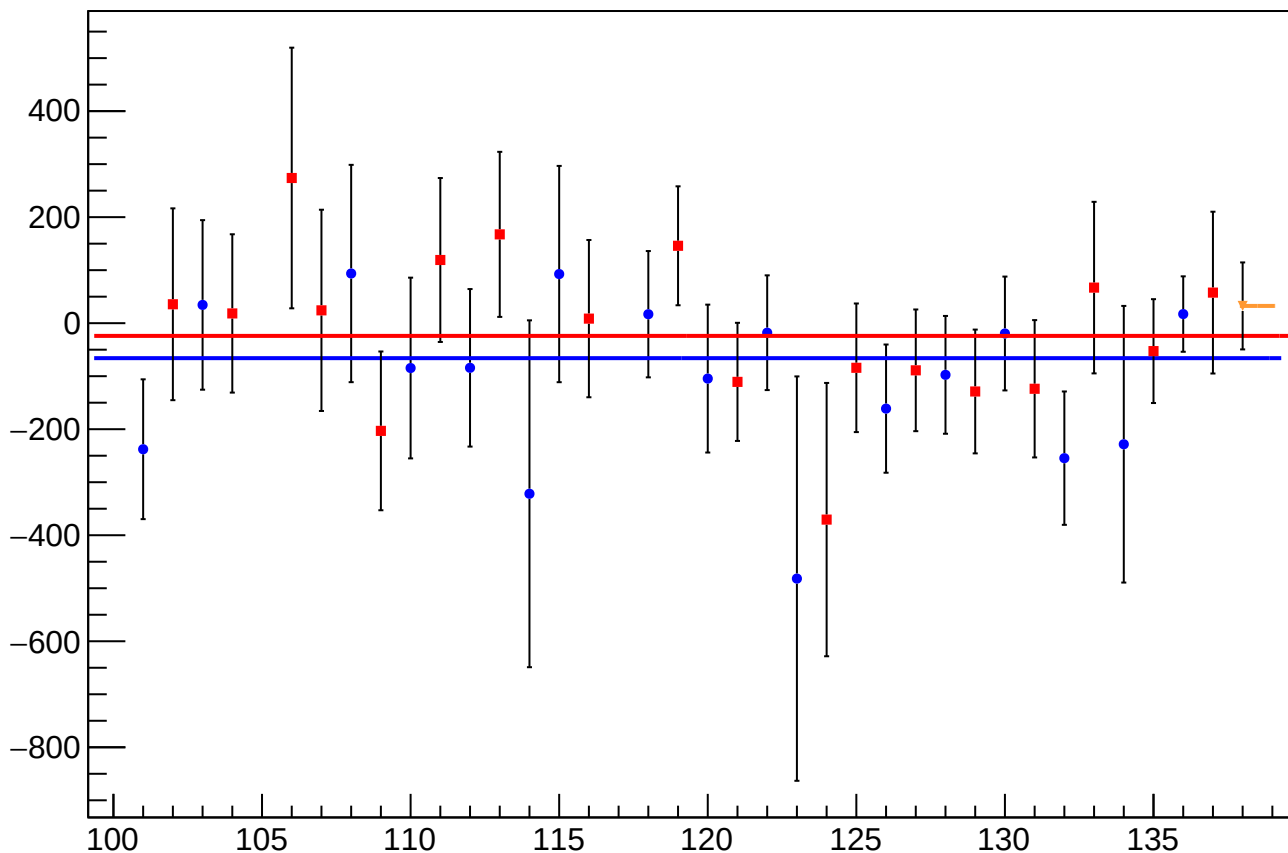
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 442.822+/-0.367  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_15\_26\_dd\_mean vs Slug



Right In:  $-65.974 \pm 32.289$   $\chi^2/\text{NDF}$ : 10.8/16

Left Out:  $32.549 \pm 82.042$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-23.979 \pm 32.790$   $\chi^2/\text{NDF}$ : 12.9/17

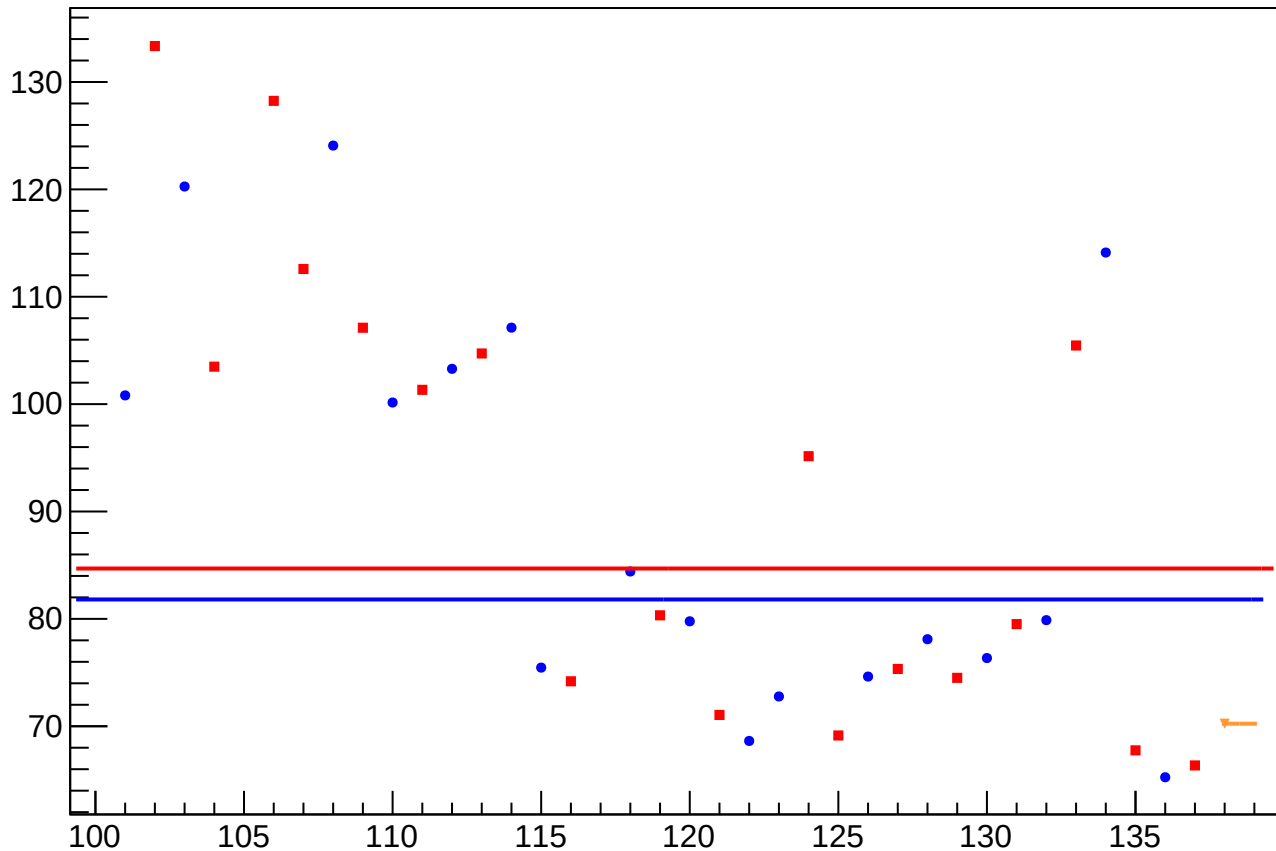
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-52.760 \pm 30.046$   $\chi^2/\text{NDF}$ : 12.0/17

All:  $-39.624 \pm 22.152$   $\chi^2/\text{NDF}$ : 25.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_15\_26\_dd\_rms vs Slug



Right In:  $81.809 \pm 0.023$   $\chi^2/\text{NDF}: 507195.8/16$

Left Out:  $70.238 \pm 0.058$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $84.691 \pm 0.023$   $\chi^2/\text{NDF}: 615927.4/17$

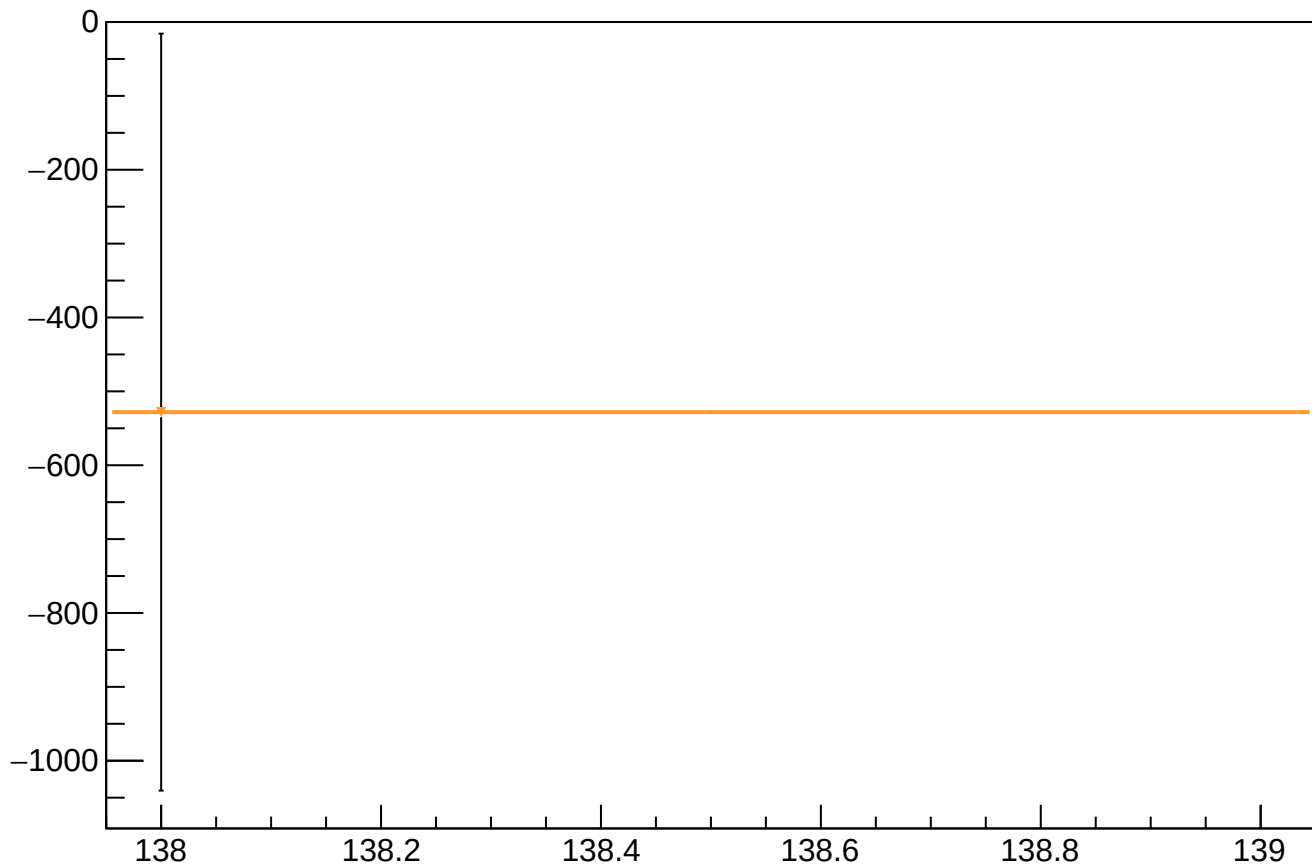
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $80.257 \pm 0.021$   $\chi^2/\text{NDF}: 541643.3/17$

All:  $82.280 \pm 0.016$   $\chi^2/\text{NDF}: 1177451.2/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_sam\_15\_26\_dd\_correction\_mean vs Slug



Right In: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -528.114 +/- 512.339  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

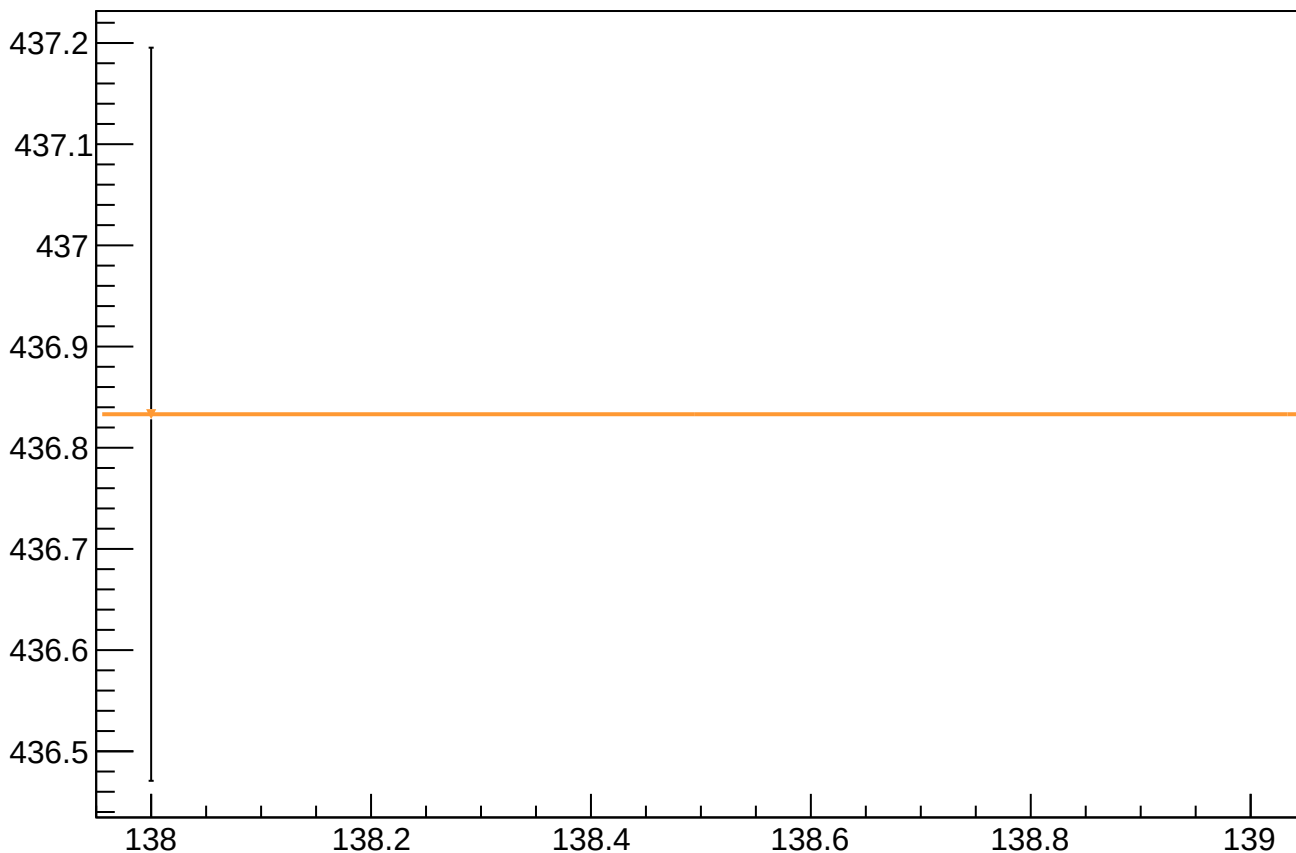
Left In: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -528.114 +/- 512.339  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_26\_dd\_correction\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 436.833 $\pm$ 0.362  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

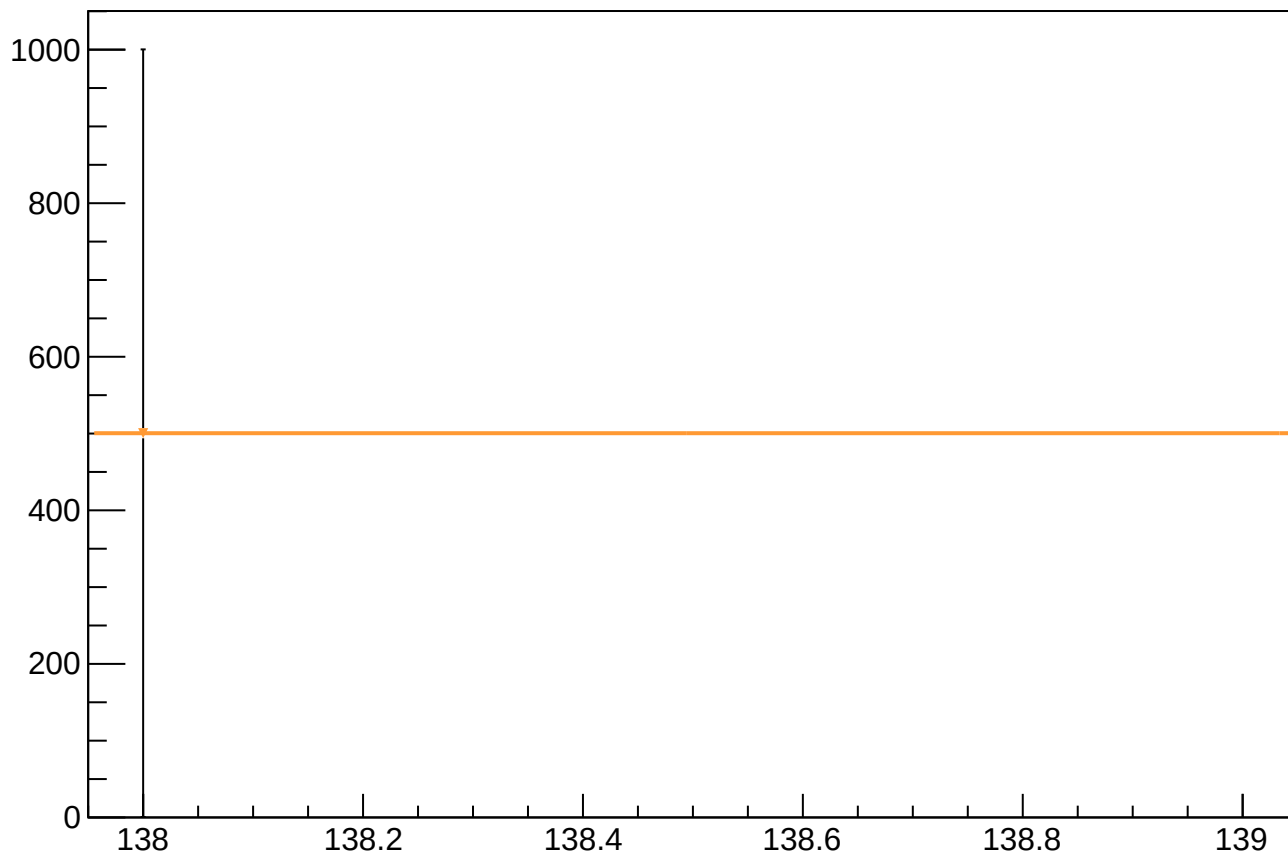
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 436.833 $\pm$ 0.362  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_15\_26\_dd\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 500.448+/-499.876  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

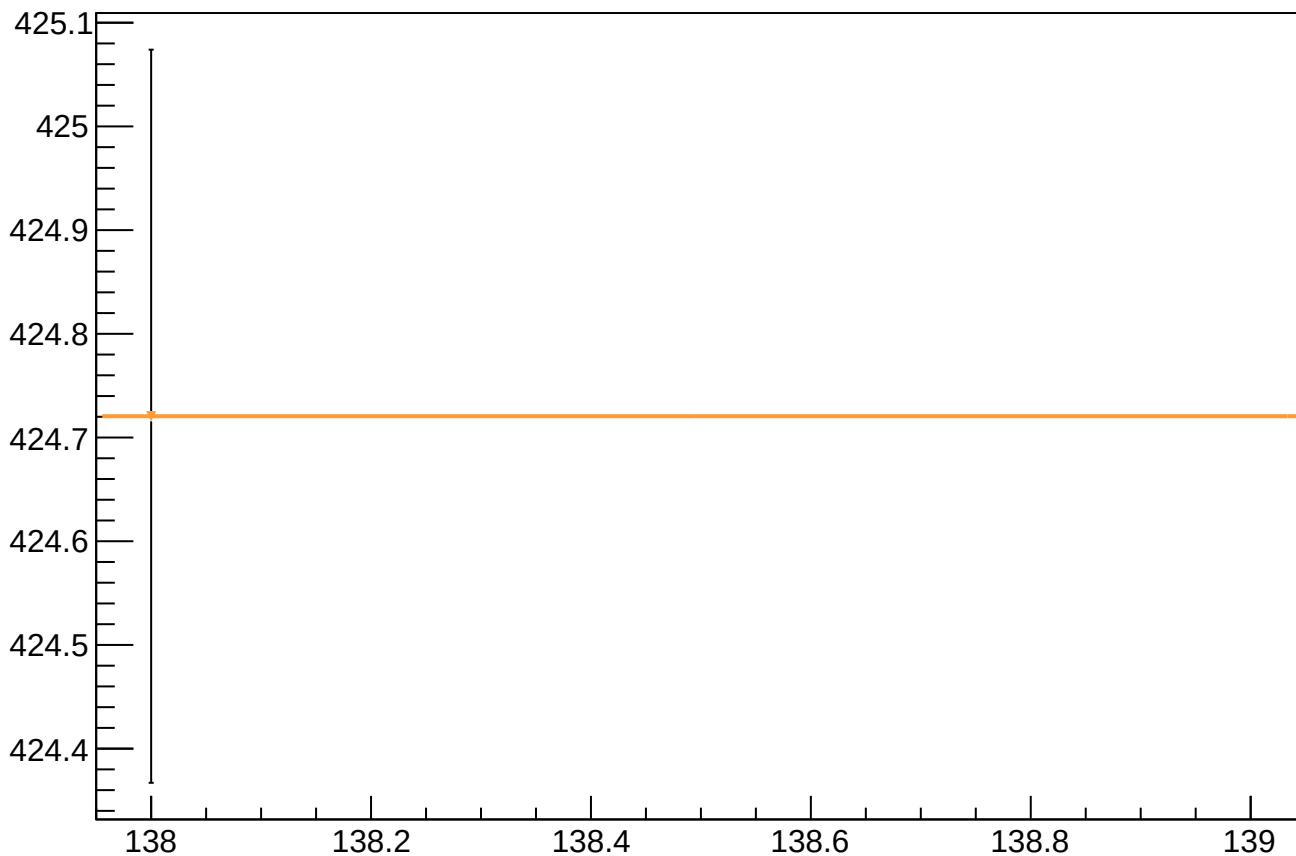
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 500.448+/-499.876  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_26\_dd\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 424.721+/-0.353  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

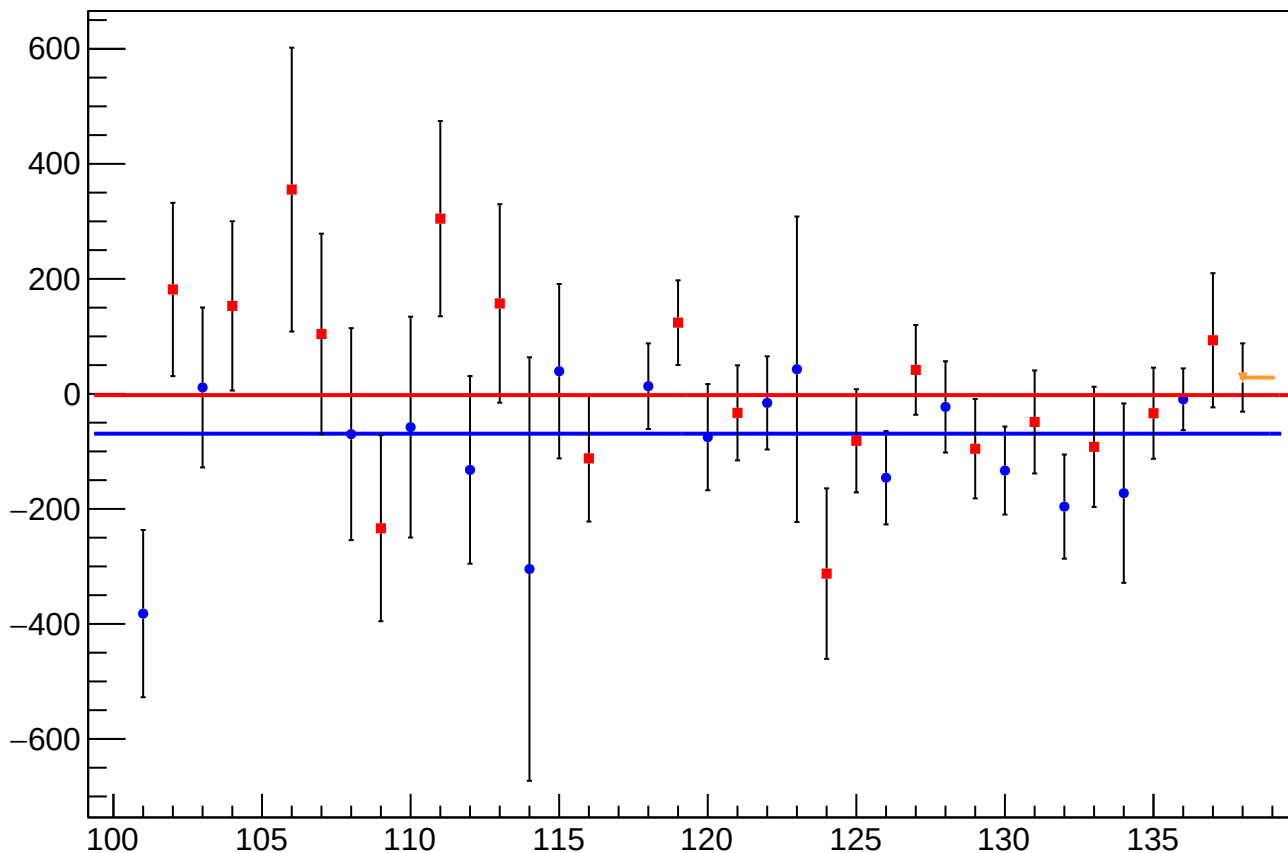
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 424.721+/-0.353  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_37\_26\_dd\_mean vs Slug



Right In:  $-69.188 \pm 24.260$   $\chi^2/\text{NDF}$ : 13.5/16

Left Out:  $28.466 \pm 59.385$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.082 \pm 25.187$   $\chi^2/\text{NDF}$ : 23.8/17

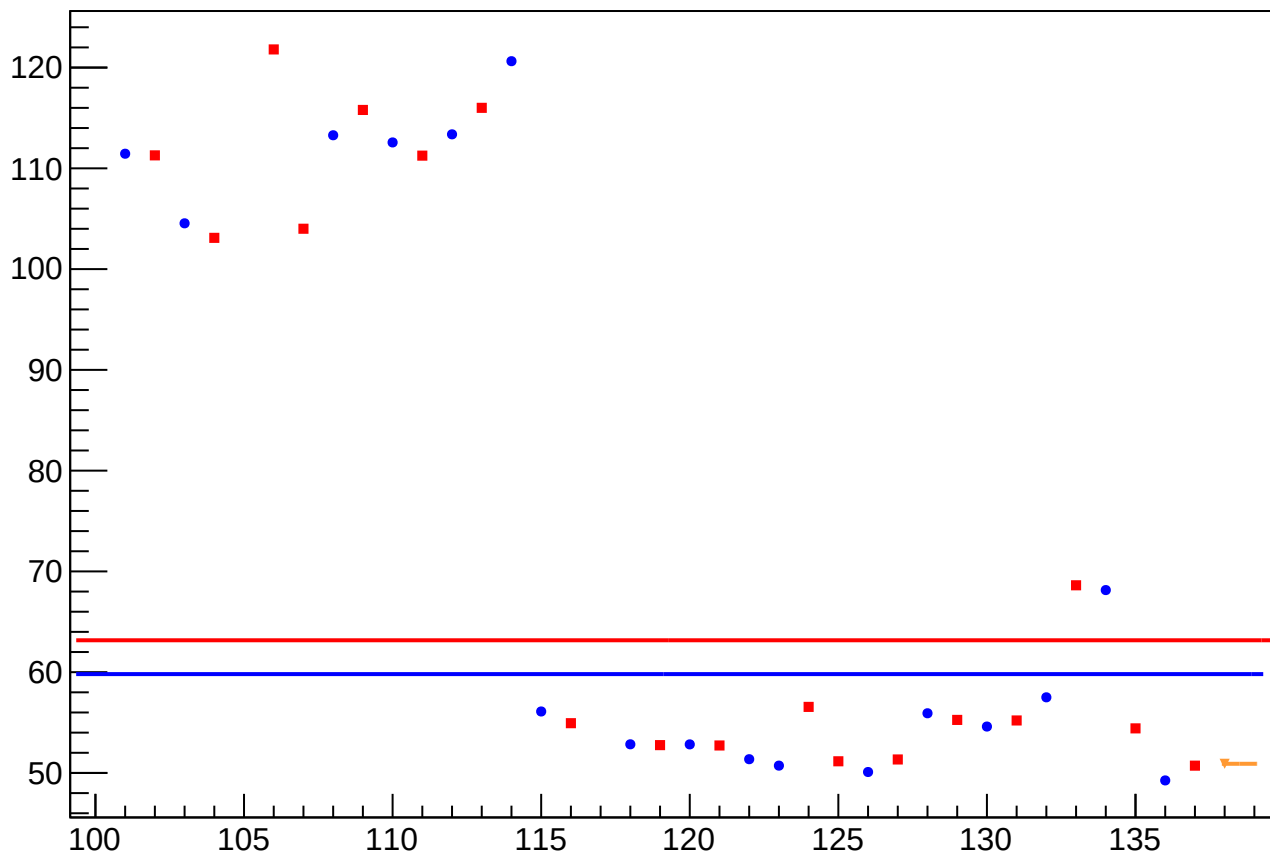
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-55.222 \pm 22.458$   $\chi^2/\text{NDF}$ : 15.8/17

All:  $-31.685 \pm 16.762$   $\chi^2/\text{NDF}$ : 42.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_26\_dd\_rms vs Slug



Right In: 59.809+/-0.017  $\chi^2/\text{NDF}$ : 1229983.3/16

Left Out: 50.909+/-0.042  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 63.166+/-0.018  $\chi^2/\text{NDF}$ : 1387305.6/17

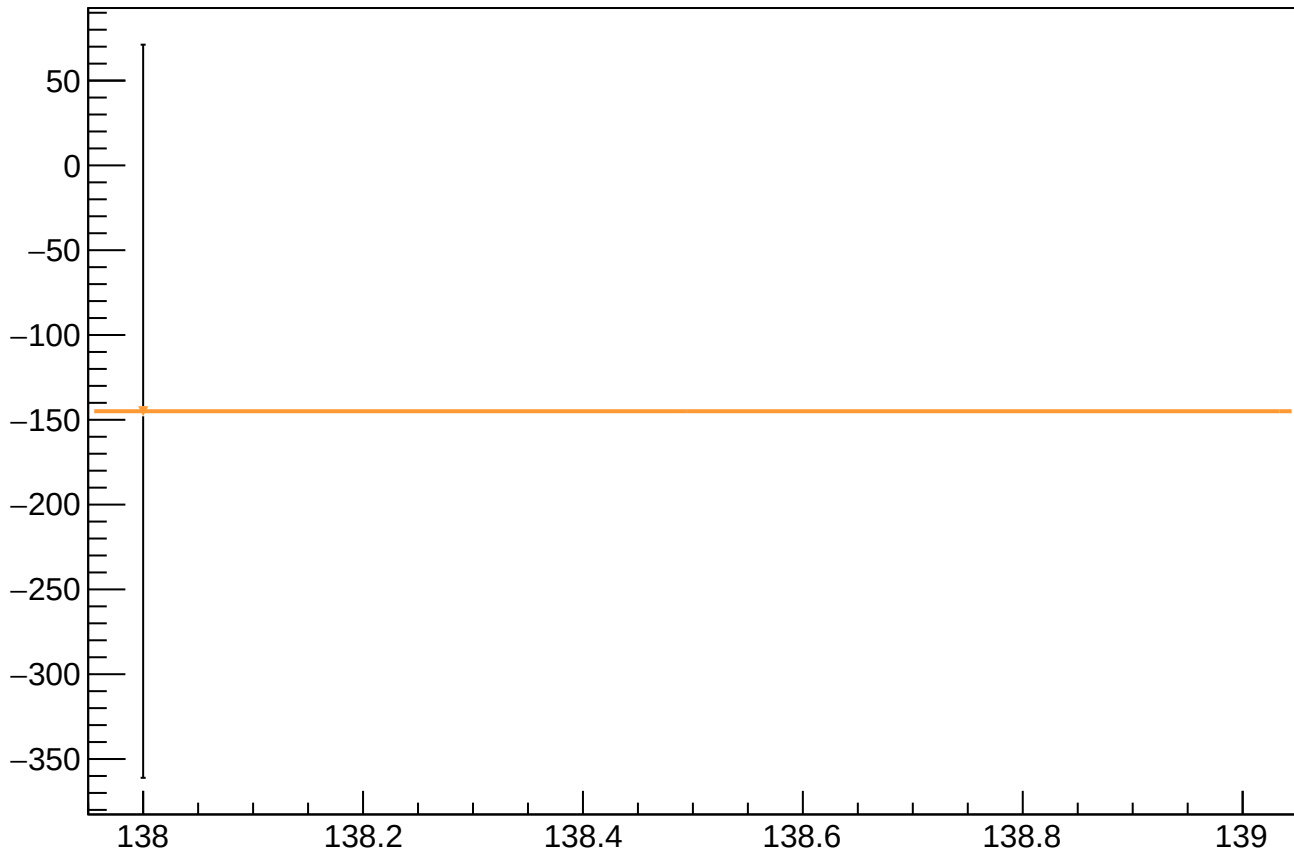
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 58.536+/-0.016  $\chi^2/\text{NDF}$ : 1268479.1/17

All: 60.586+/-0.012  $\chi^2/\text{NDF}$ : 2693429.6/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_26\_dd\_correction\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -144.949+/-216.127  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

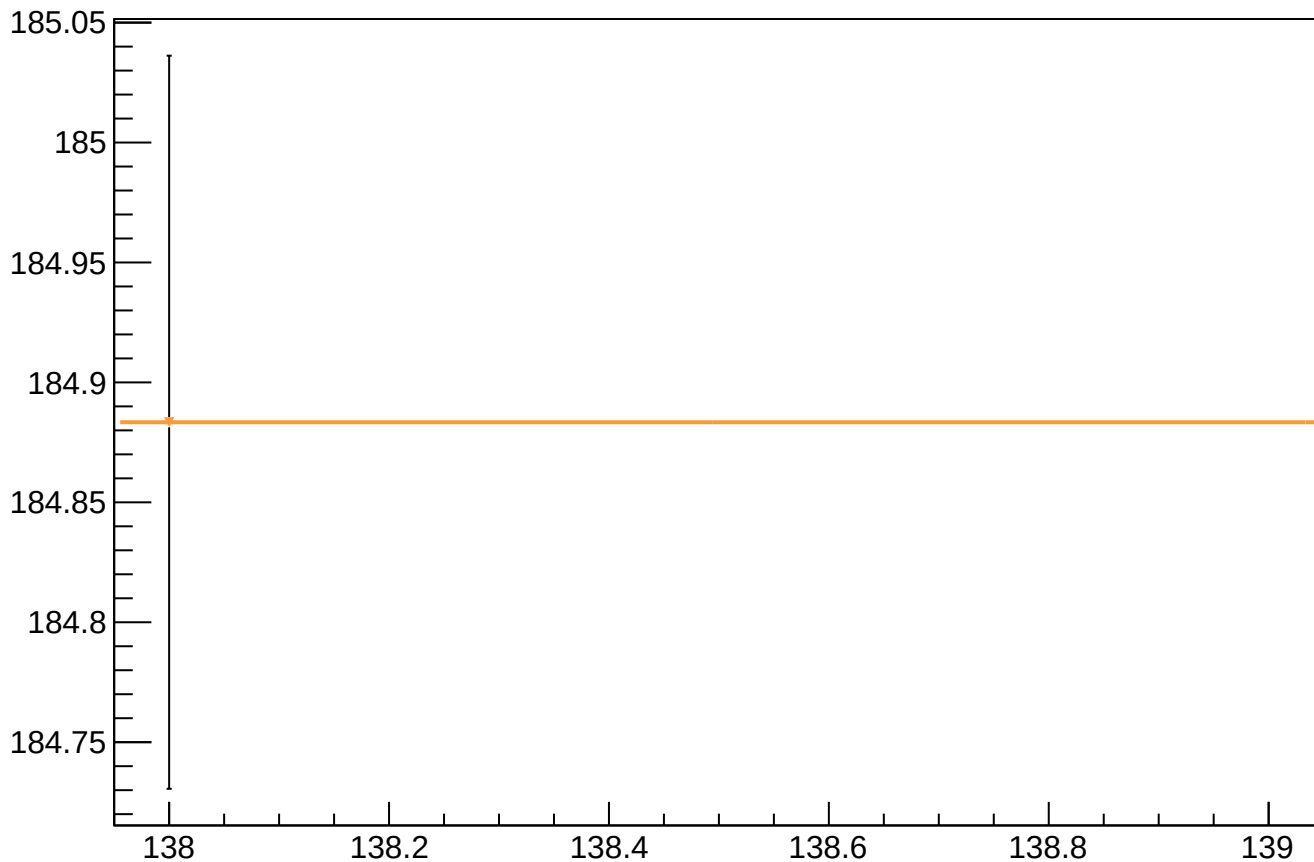
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -144.949+/-216.127  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_26\_dd\_correction\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 184.883 $\pm$ 0.153  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

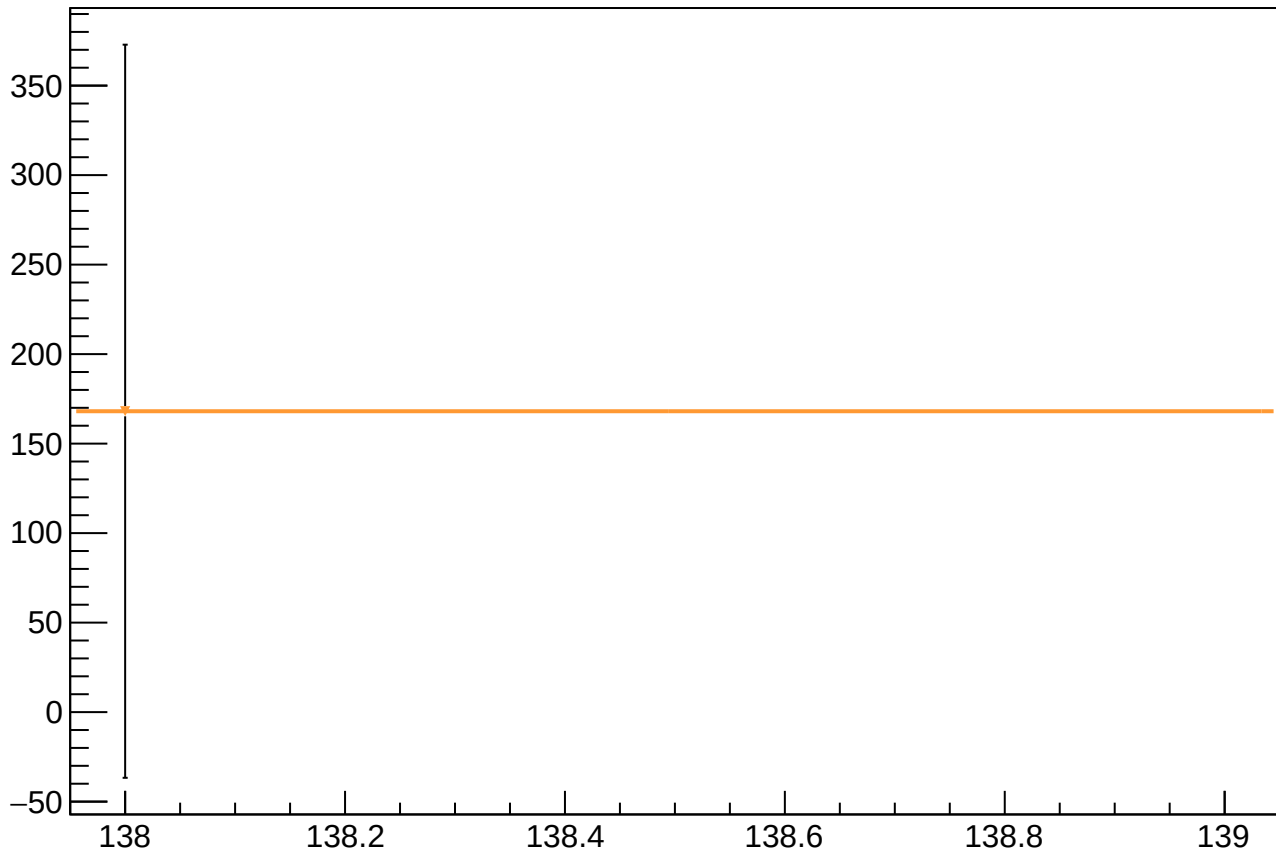
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 184.883 $\pm$ 0.153  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_26\_dd\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 168.090+/-204.783  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

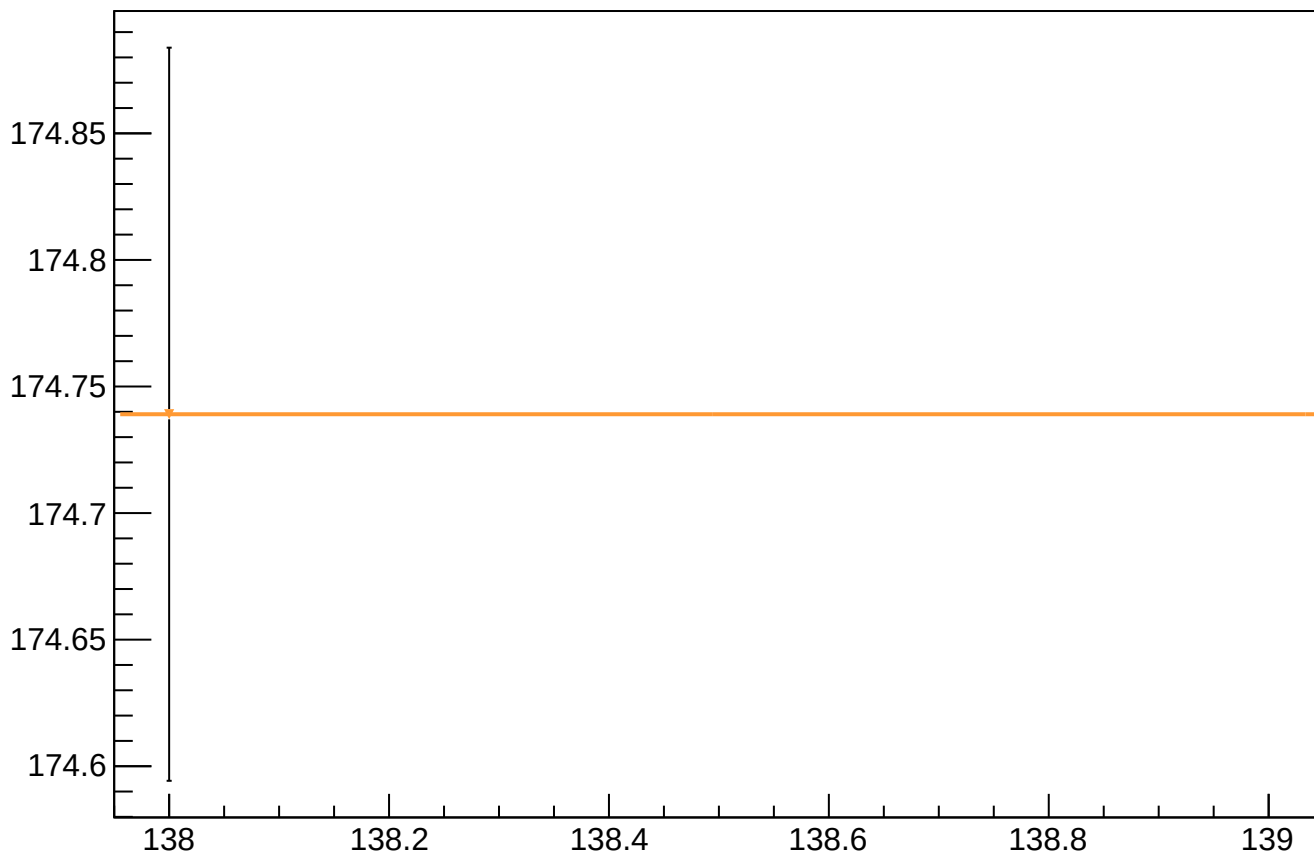
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 168.090+/-204.783  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_26\_dd\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 174.739+/-0.145  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

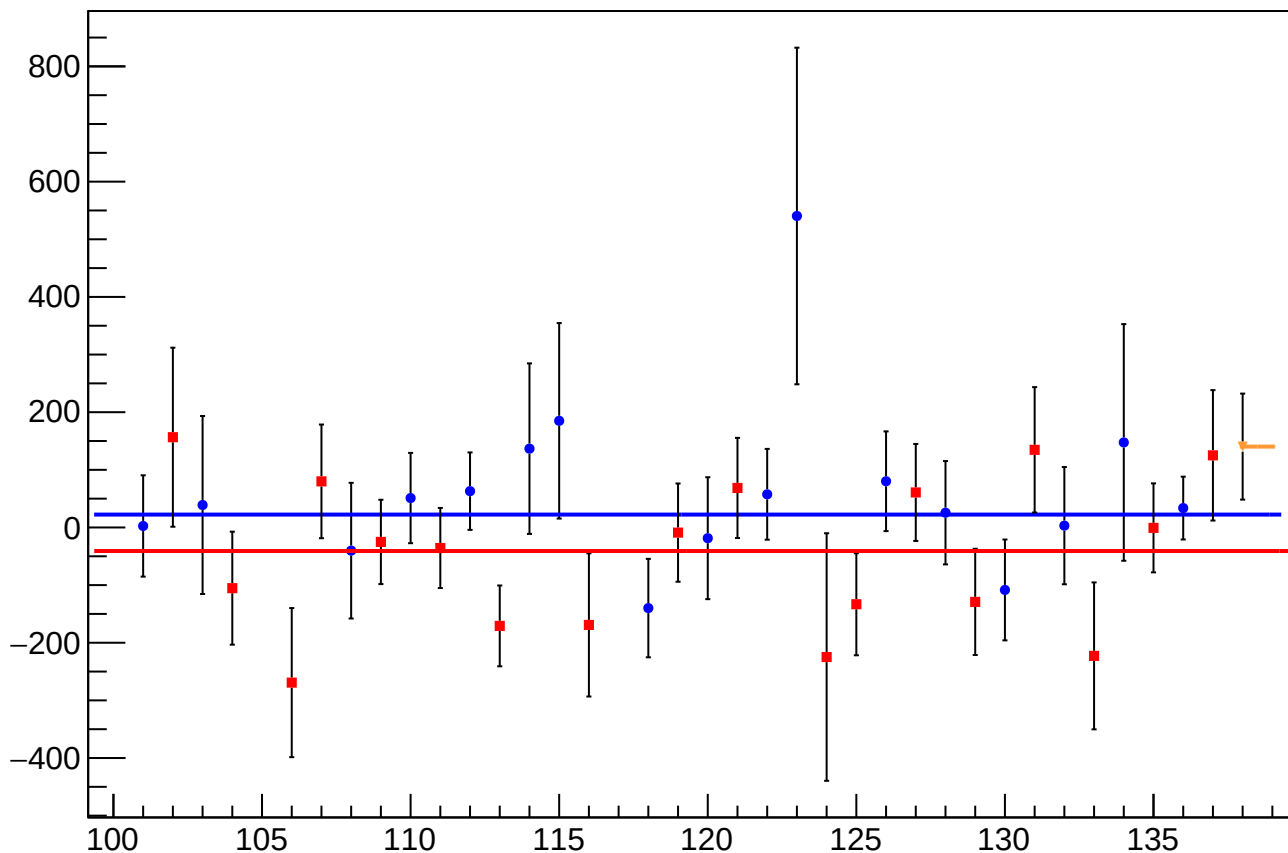
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 174.739+/-0.145  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam\_1357\_avg\_mean vs Slug



Right In: 22.361 $\pm$ 22.625  $\chi^2$ /NDF: 12.6/16

Left Out: 140.289 $\pm$ 91.964  $\chi^2$ /NDF: 0.0/0

Right Out: -40.867 $\pm$ 22.136  $\chi^2$ /NDF: 24.2/17

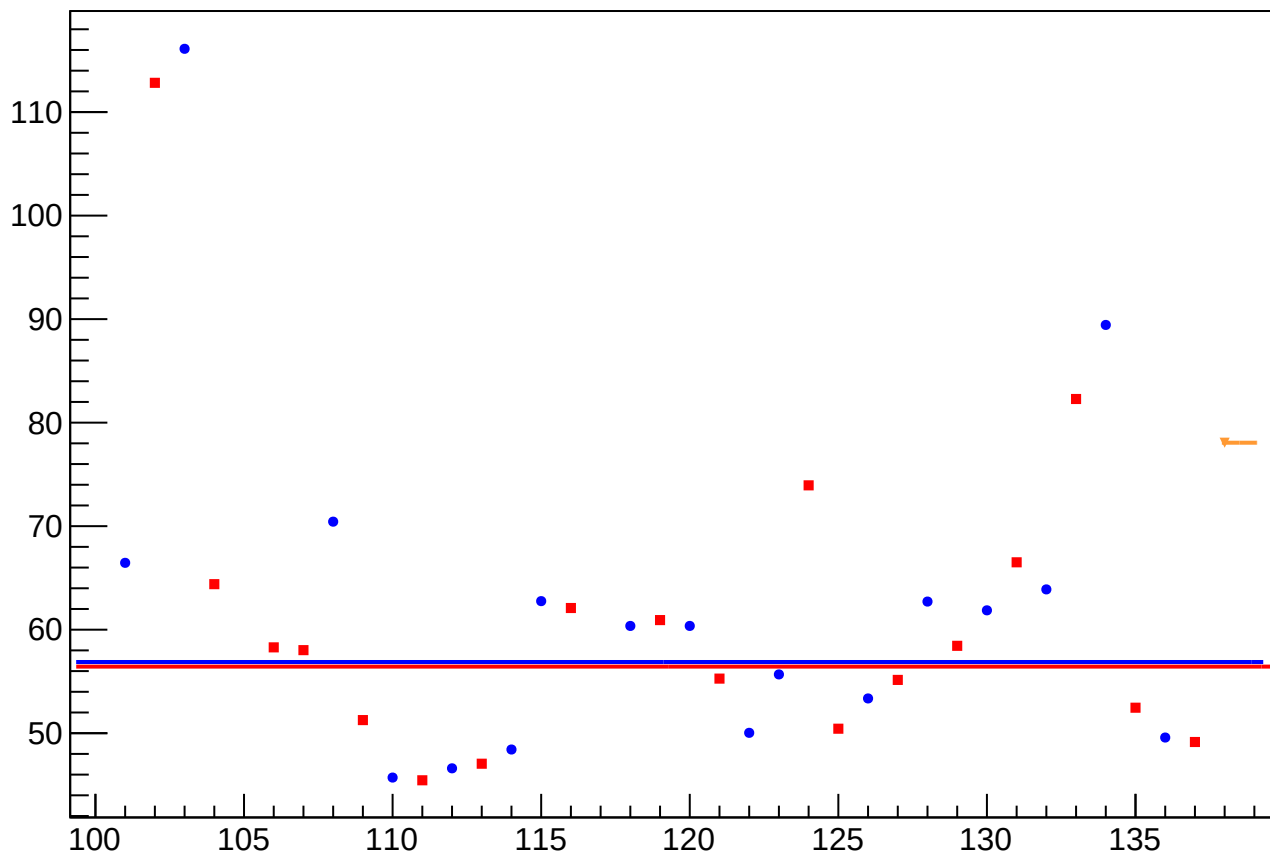
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 29.092 $\pm$ 21.970  $\chi^2$ /NDF: 14.1/17

All: -5.623 $\pm$ 15.593  $\chi^2$ /NDF: 43.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_1357\_avg\_rms vs Slug



Right In: 56.879+/-0.016  $\chi^2/\text{NDF}$ : 575487.1/16

Left Out: 78.062+/-0.065  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 56.434+/-0.016  $\chi^2/\text{NDF}$ : 520456.9/17

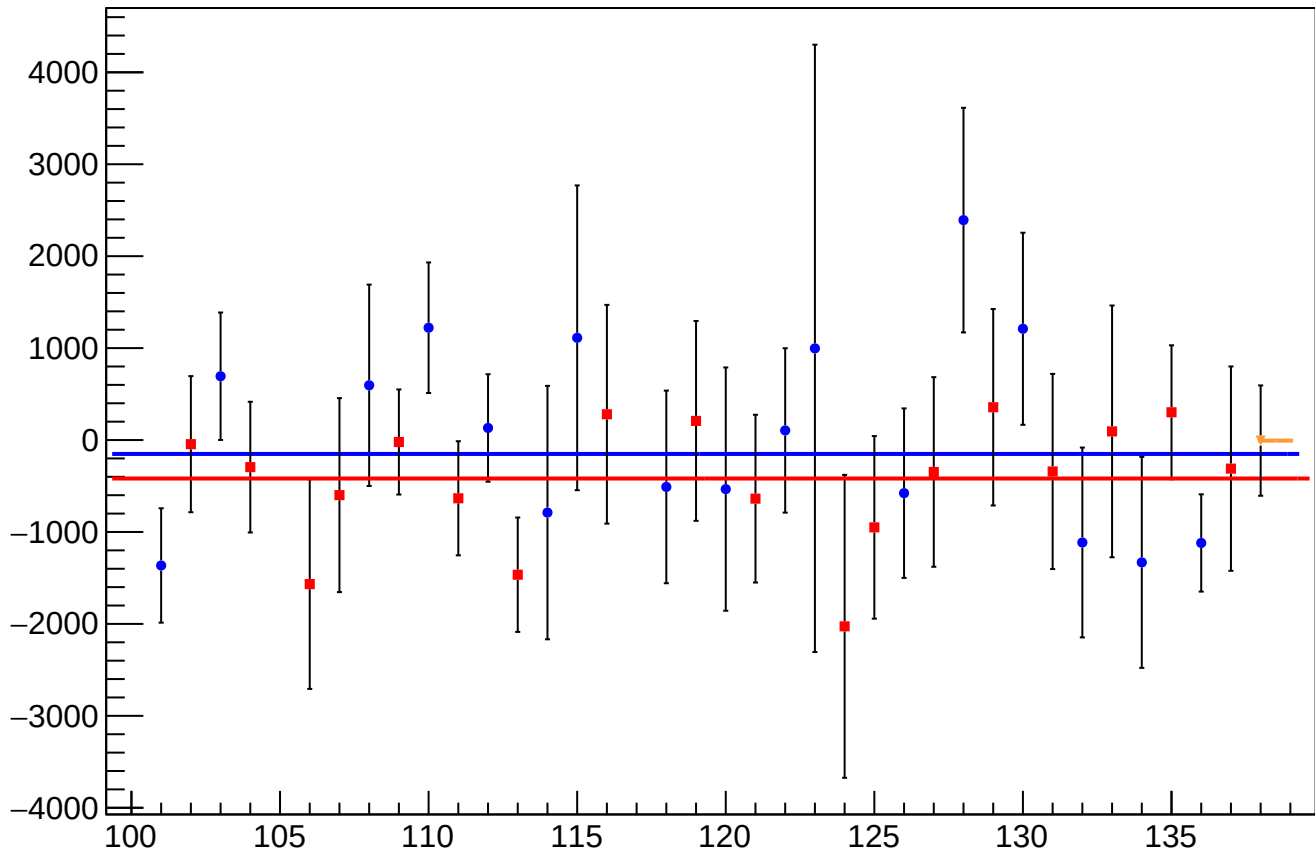
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 58.088+/-0.016  $\chi^2/\text{NDF}$ : 675544.1/17

All: 57.267+/-0.011  $\chi^2/\text{NDF}$ : 1201623.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1357\_avg\_correction\_mean vs Slug



Right In: -151.194+/-212.448  $\chi^2/\text{NDF}$ : 22.4/16

Left Out: -5.962+/-600.110  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -418.554+/-205.061  $\chi^2/\text{NDF}$ : 8.4/17

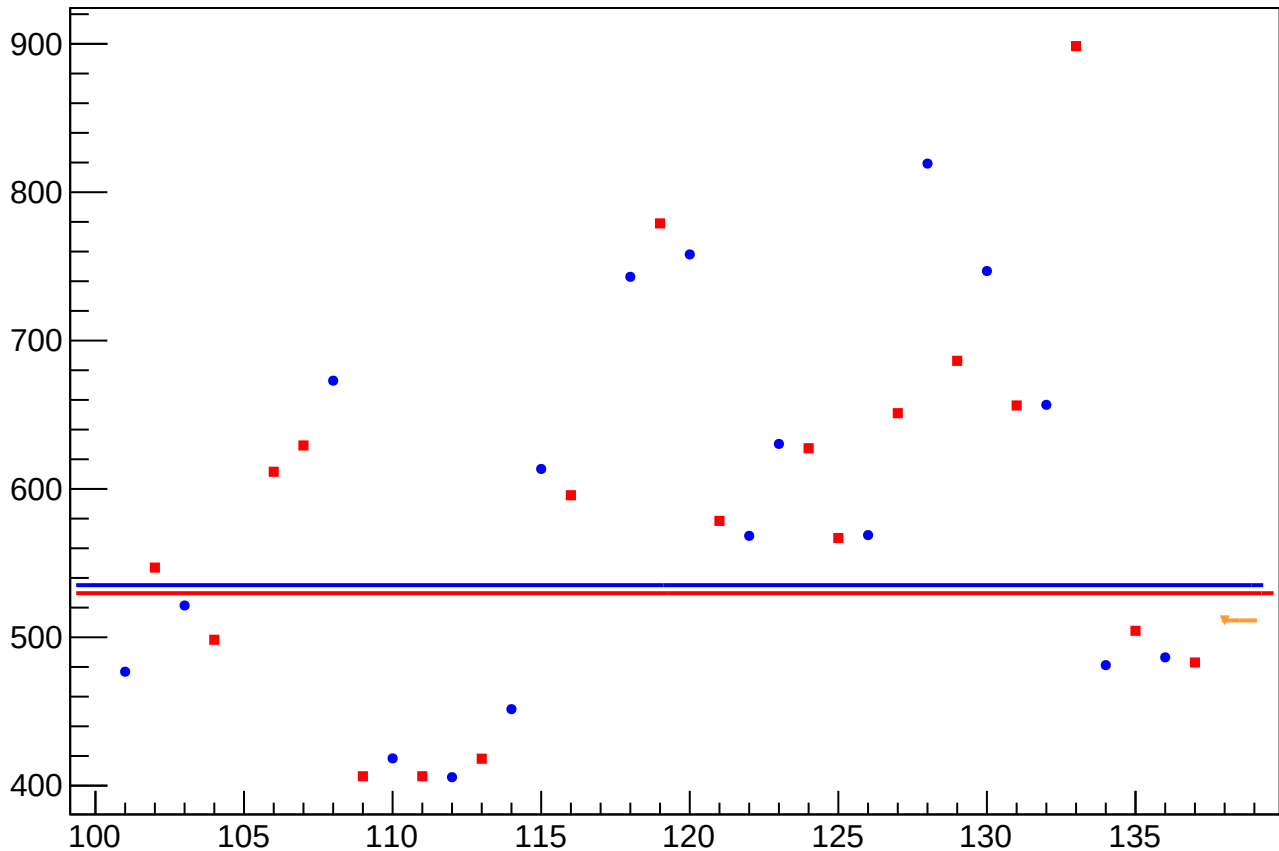
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -135.019+/-200.269  $\chi^2/\text{NDF}$ : 22.5/17

All: -273.435+/-143.276  $\chi^2/\text{NDF}$ : 31.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1357\_avg\_correction\_rms vs Slug



Right In: 535.137+/-0.150  $\chi^2/\text{NDF}$ : 596084.8/16

Left Out: 511.370+/-0.424  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 529.720+/-0.145  $\chi^2/\text{NDF}$ : 646725.7/17

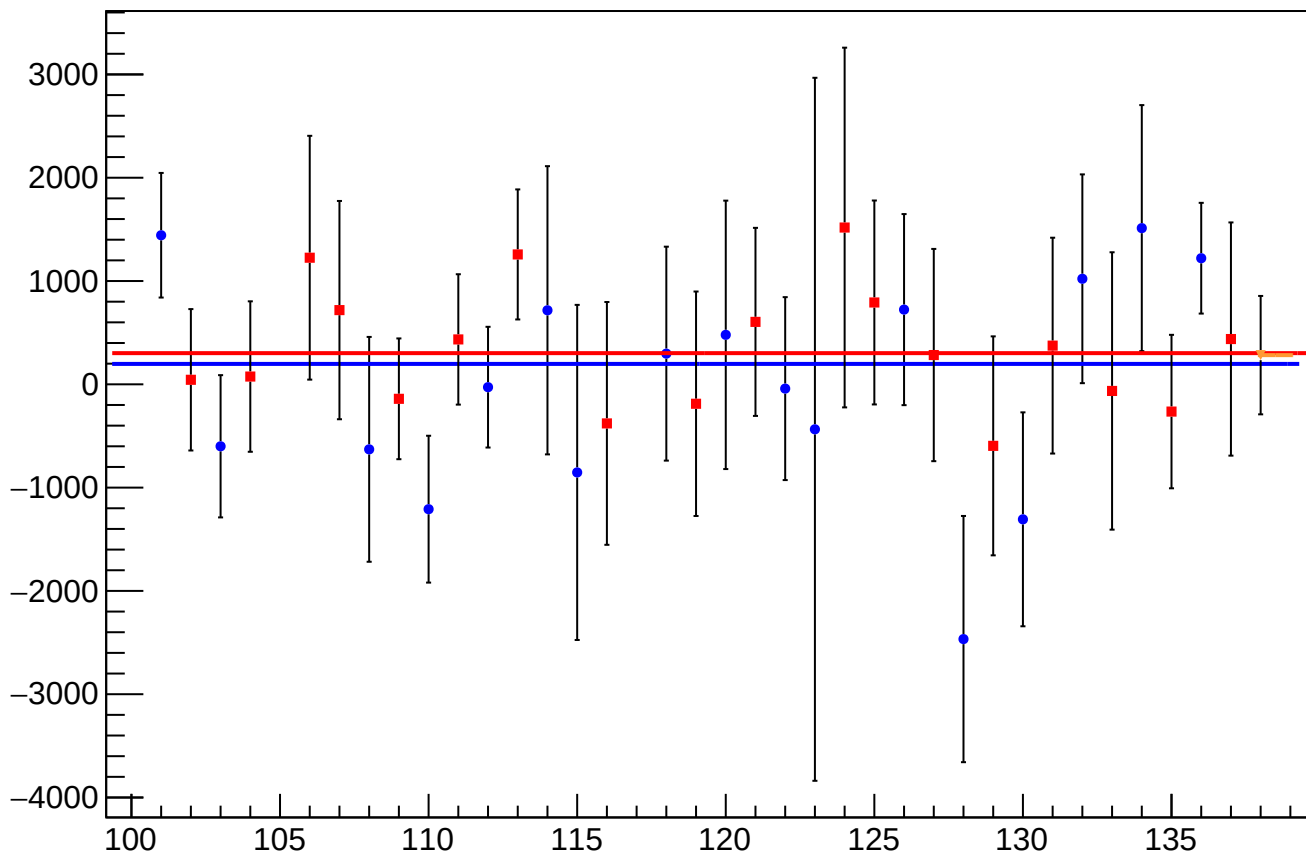
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 532.490+/-0.142  $\chi^2/\text{NDF}$ : 598872.6/17

All: 531.138+/-0.101  $\chi^2/\text{NDF}$ : 1245785.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1357\_avg\_mean vs Slug



Right In: 197.561 $\pm$ 211.480  $\chi^2$ /NDF: 23.9/16

Left Out: 282.465 $\pm$ 573.112  $\chi^2$ /NDF: 0.0/0

Right Out: 301.856 $\pm$ 205.700  $\chi^2$ /NDF: 6.7/17

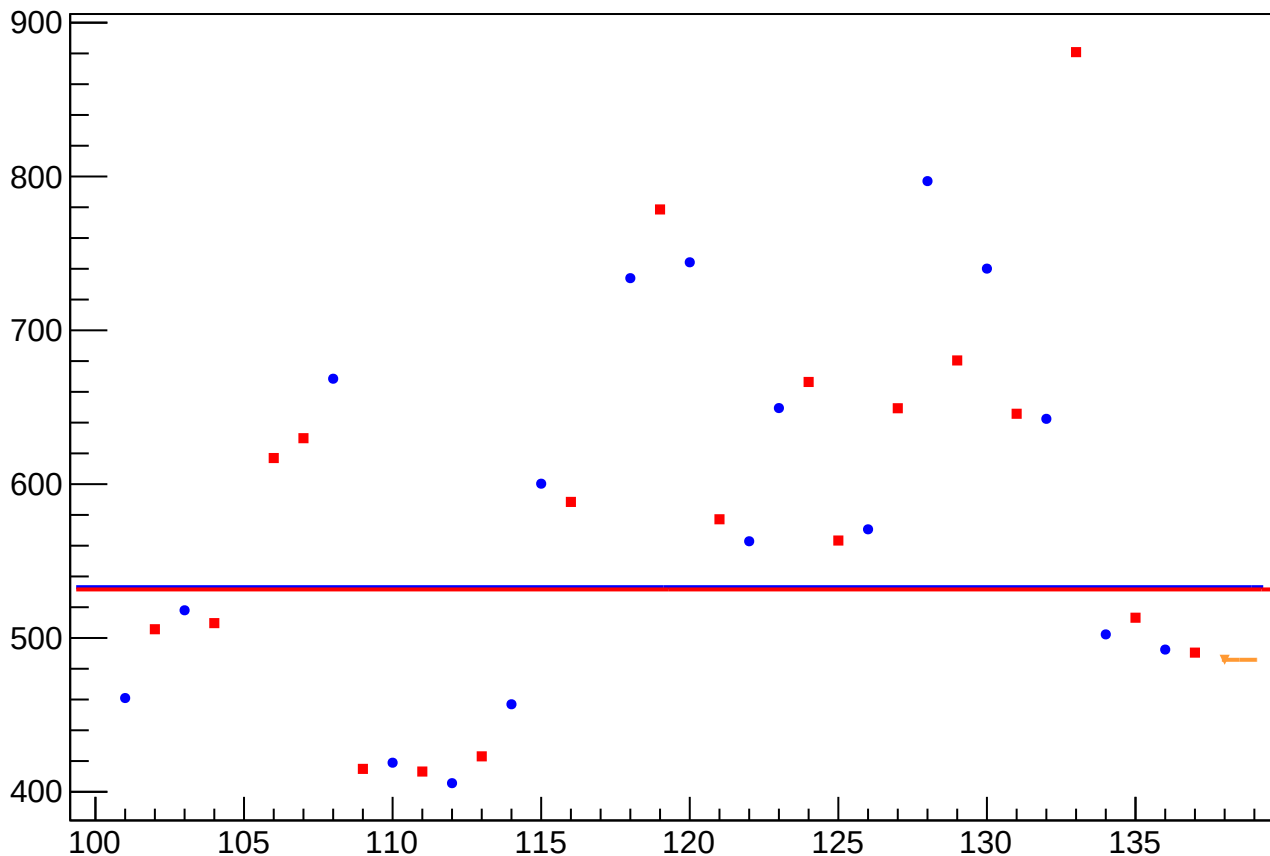
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 207.736 $\pm$ 198.403  $\chi^2$ /NDF: 23.9/17

All: 253.097 $\pm$ 142.802  $\chi^2$ /NDF: 30.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_avg\_rms vs Slug



Right In: 533.031+/-0.150  $\chi^2/\text{NDF}$ : 566851.1/16

Left Out: 485.828+/-0.405  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 531.559+/-0.145  $\chi^2/\text{NDF}$ : 597920.9/17

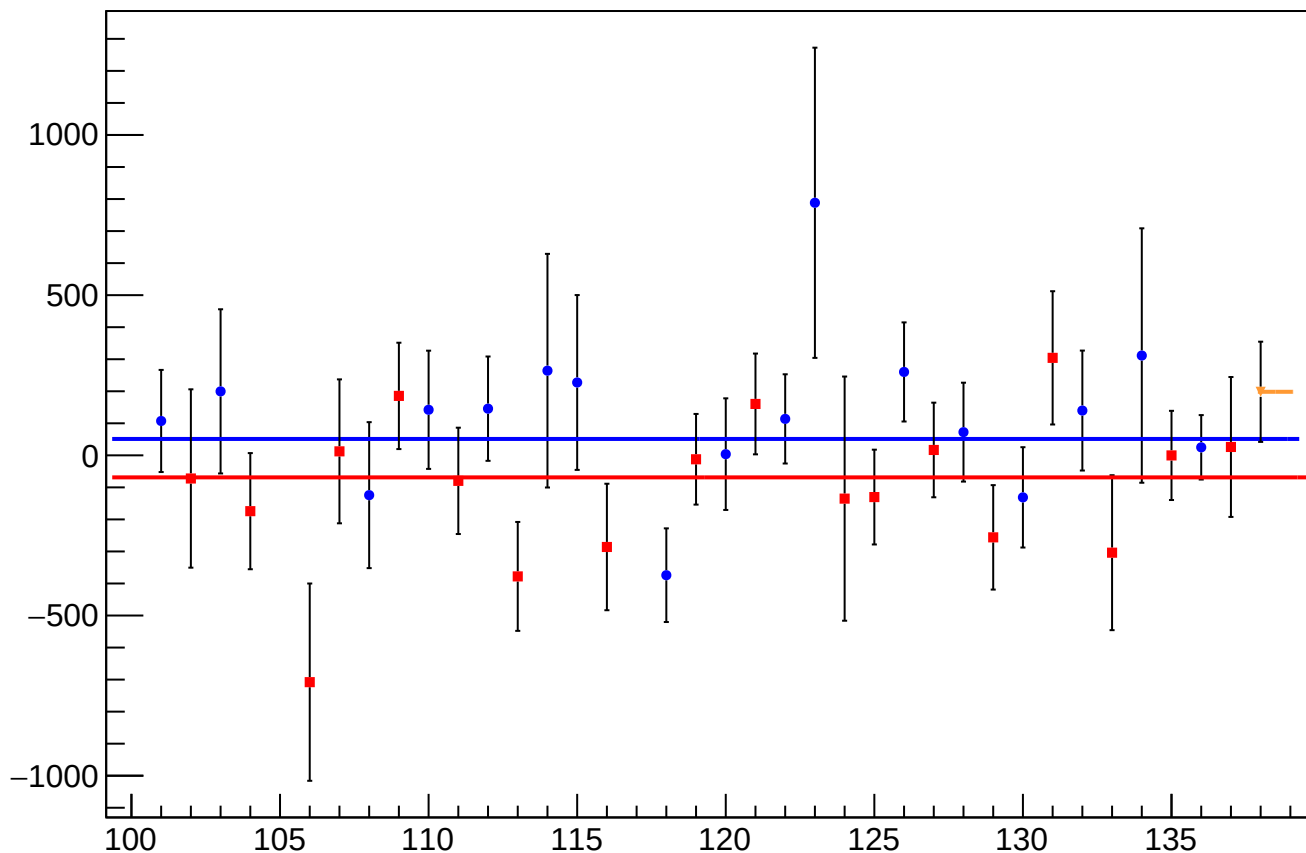
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 527.374+/-0.140  $\chi^2/\text{NDF}$ : 578792.3/17

All: 529.391+/-0.101  $\chi^2/\text{NDF}$ : 1177142.1/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_2468\_avg\_mean vs Slug



Right In: 51.166 $\pm$ 42.416  $\chi^2$ /NDF: 17.4/16

Left Out: 198.356 $\pm$ 156.406  $\chi^2$ /NDF: 0.0/0

Right Out: -68.779 $\pm$ 42.803  $\chi^2$ /NDF: 20.4/17

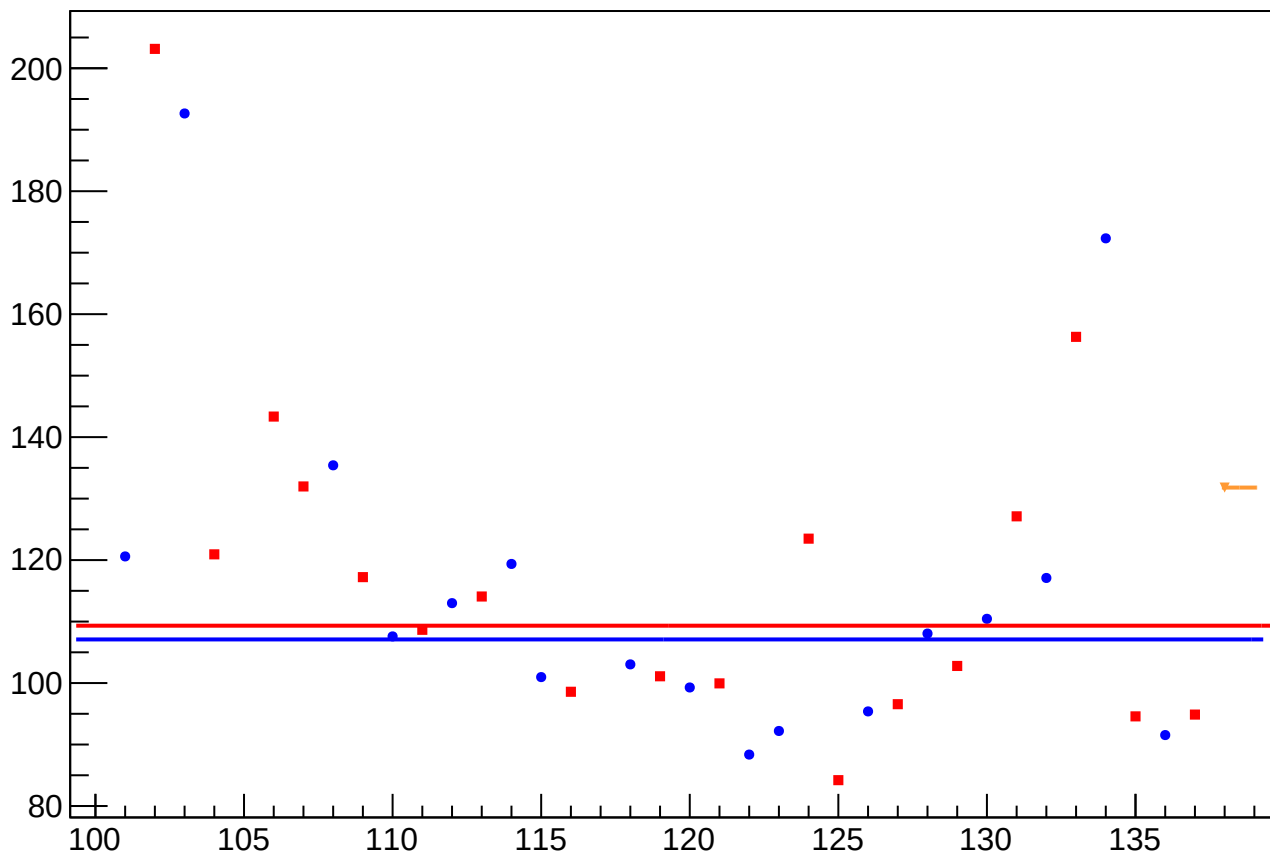
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 61.249 $\pm$ 40.937  $\chi^2$ /NDF: 18.2/17

All: -0.869 $\pm$ 29.585  $\chi^2$ /NDF: 43.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_2468\_avg\_rms vs Slug



Right In: 107.094+/-0.030  $\chi^2/\text{NDF}$ : 437755.4/16

Left Out: 131.795+/-0.111  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 109.329+/-0.030  $\chi^2/\text{NDF}$ : 506023.6/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

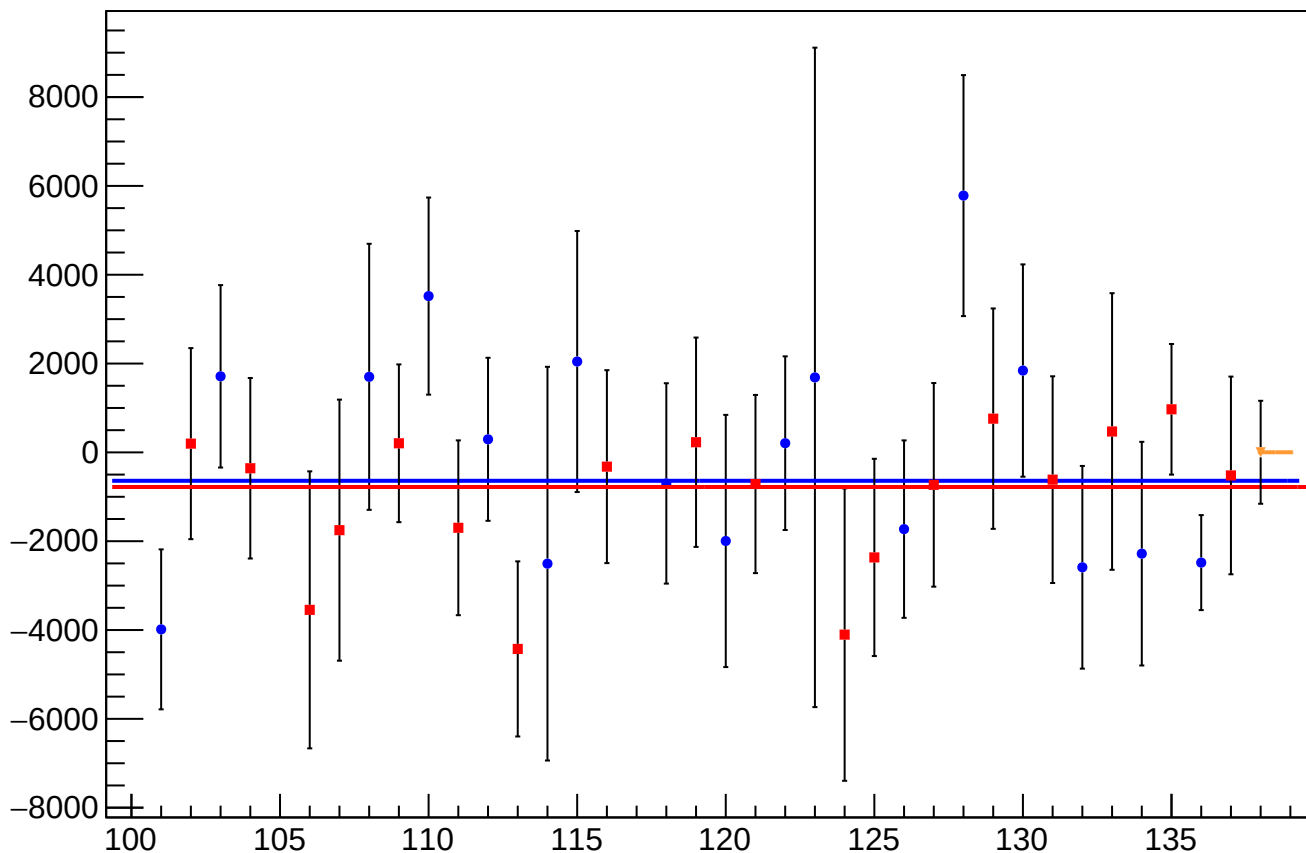
+ sign 108.786+/-0.029  $\chi^2/\text{NDF}$ : 484220.9/17

All: 109.045+/-0.021  $\chi^2/\text{NDF}$ : 990412.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_2468\_avg\_correction\_mean vs Slug



Right In:  $-639.847 \pm 519.248$   $\chi^2/\text{NDF}$ : 21.8/16

Left Out:  $2.424 \pm 1159.255$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-779.450 \pm 516.450$   $\chi^2/\text{NDF}$ : 8.8/17

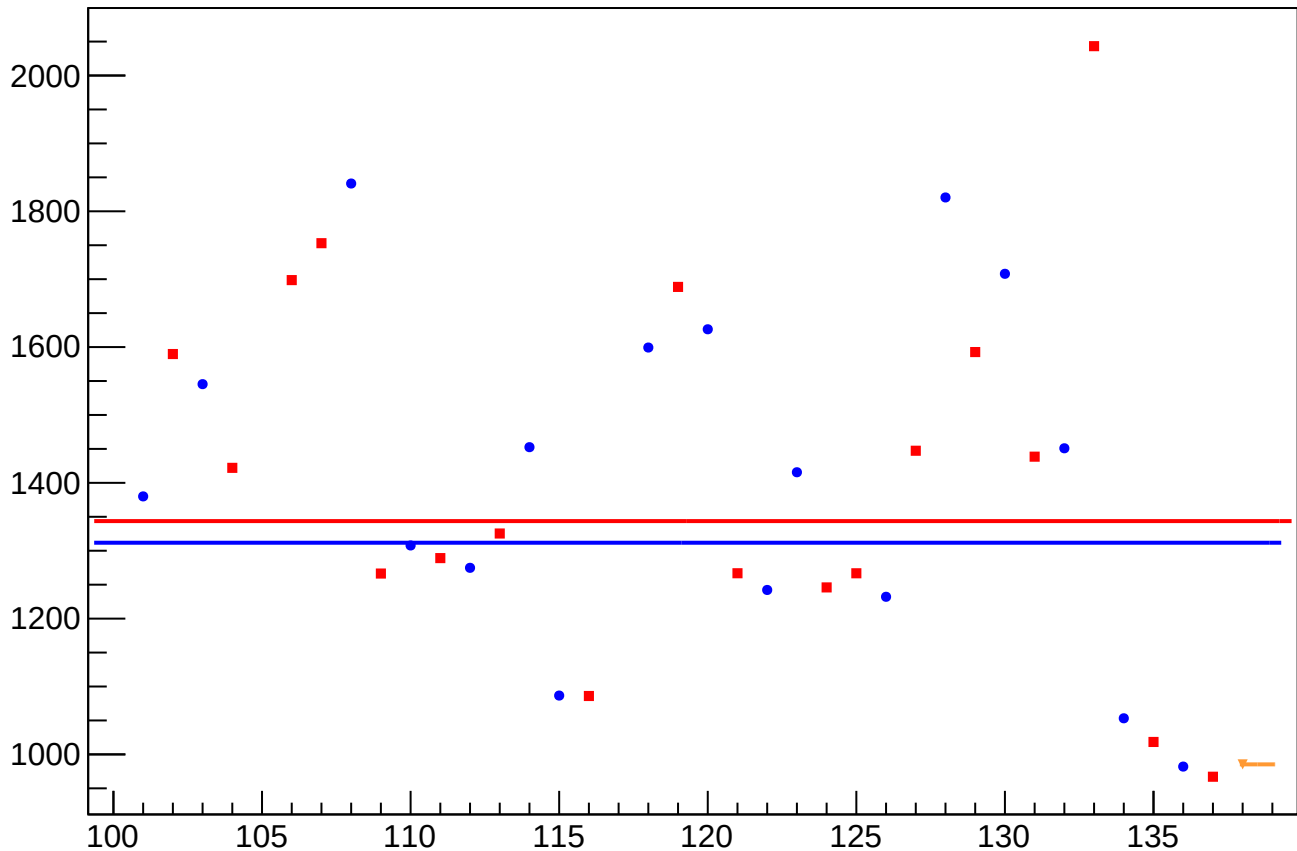
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-532.522 \pm 473.882$   $\chi^2/\text{NDF}$ : 22.0/17

All:  $-645.392 \pm 349.166$   $\chi^2/\text{NDF}$ : 31.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_2468\_avg\_correction\_rms vs Slug



Right In: 1311.795+/-0.367  $\chi^2/\text{NDF}$ : 512676.0/16

Left Out: 985.310+/-0.820  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1343.659+/-0.365  $\chi^2/\text{NDF}$ : 461009.9/17

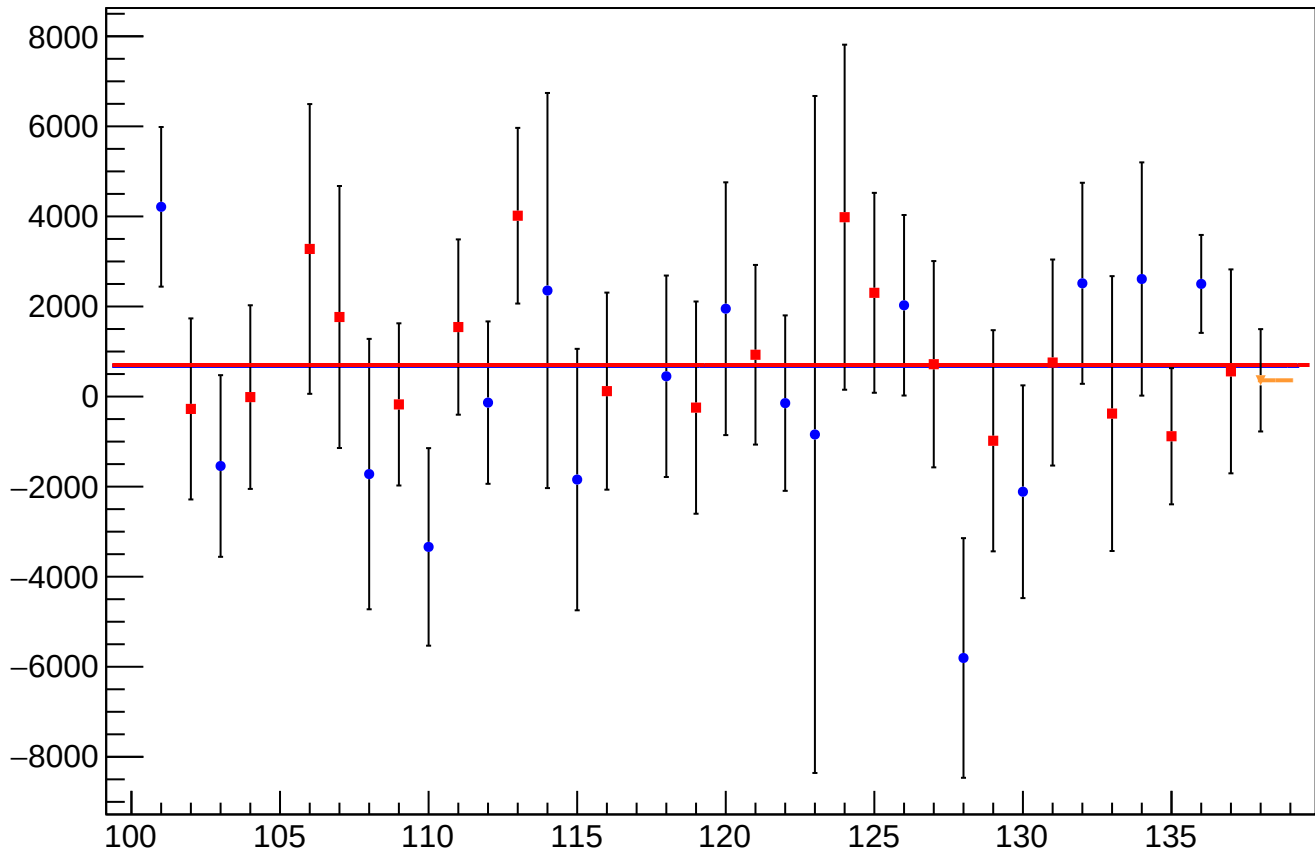
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1257.238+/-0.335  $\chi^2/\text{NDF}$ : 644802.1/17

All: 1296.741+/-0.247  $\chi^2/\text{NDF}$ : 1136215.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_2468\_avg\_mean vs Slug



Right In: 679.925+/-517.508  $\chi^2/\text{NDF}$ : 22.6/16

Left Out: 361.179+/-1136.306  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 700.930+/-517.319  $\chi^2/\text{NDF}$ : 7.6/17

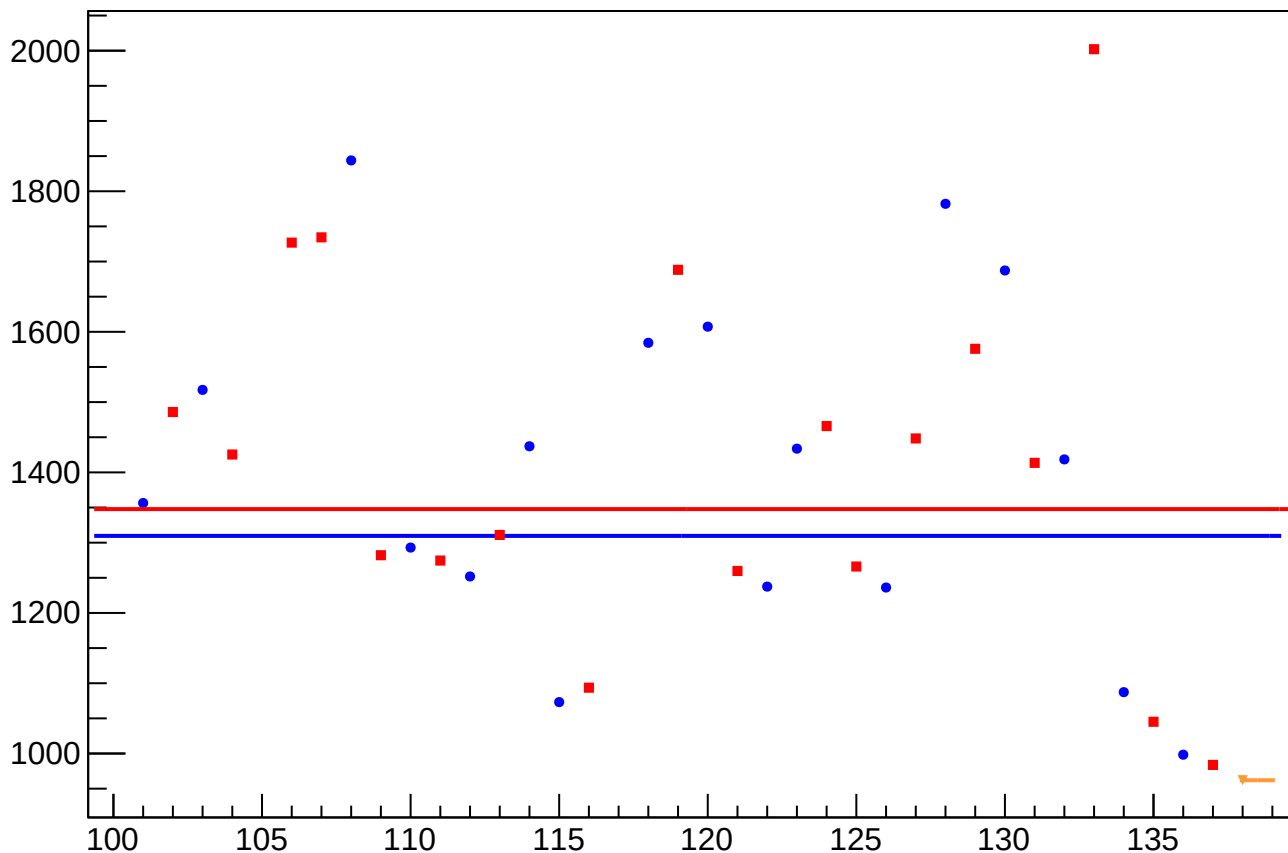
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 625.170+/-470.965  $\chi^2/\text{NDF}$ : 22.6/17

All: 659.504+/-348.260  $\chi^2/\text{NDF}$ : 30.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_2468\_avg\_rms vs Slug



Right In: 1309.654+/-0.366  $\chi^2/\text{NDF}$ : 459314.8/16

Left Out: 961.988+/-0.803  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1347.768+/-0.366  $\chi^2/\text{NDF}$ : 405345.0/17

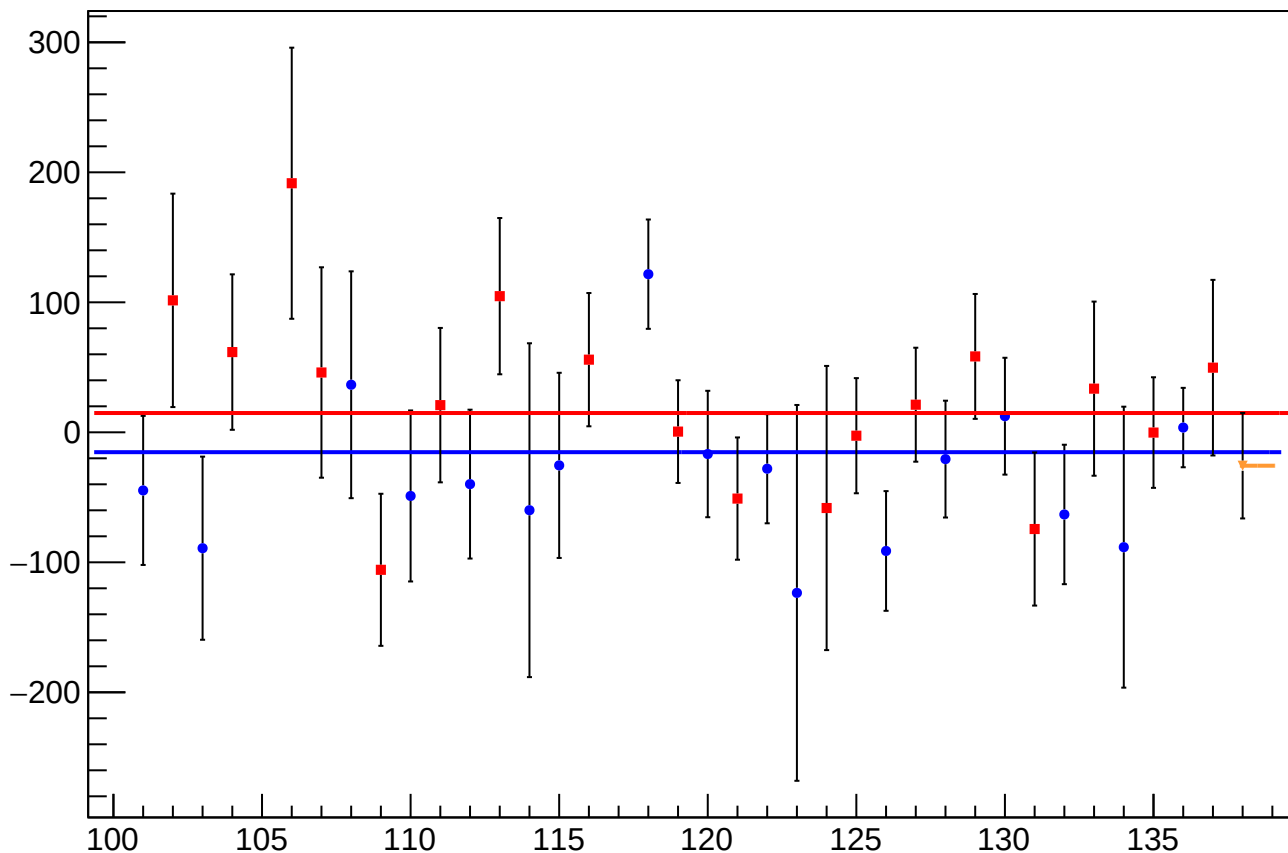
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1249.930+/-0.333  $\chi^2/\text{NDF}$ : 614376.8/17

All: 1294.270+/-0.246  $\chi^2/\text{NDF}$ : 1058837.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1357\_2468\_dd\_mean vs Slug



Right In:  $-15.281 \pm 12.907$   $\chi^2/\text{NDF}$ : 18.3/16

Left Out:  $-25.694 \pm 40.570$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $14.839 \pm 13.097$   $\chi^2/\text{NDF}$ : 18.2/17

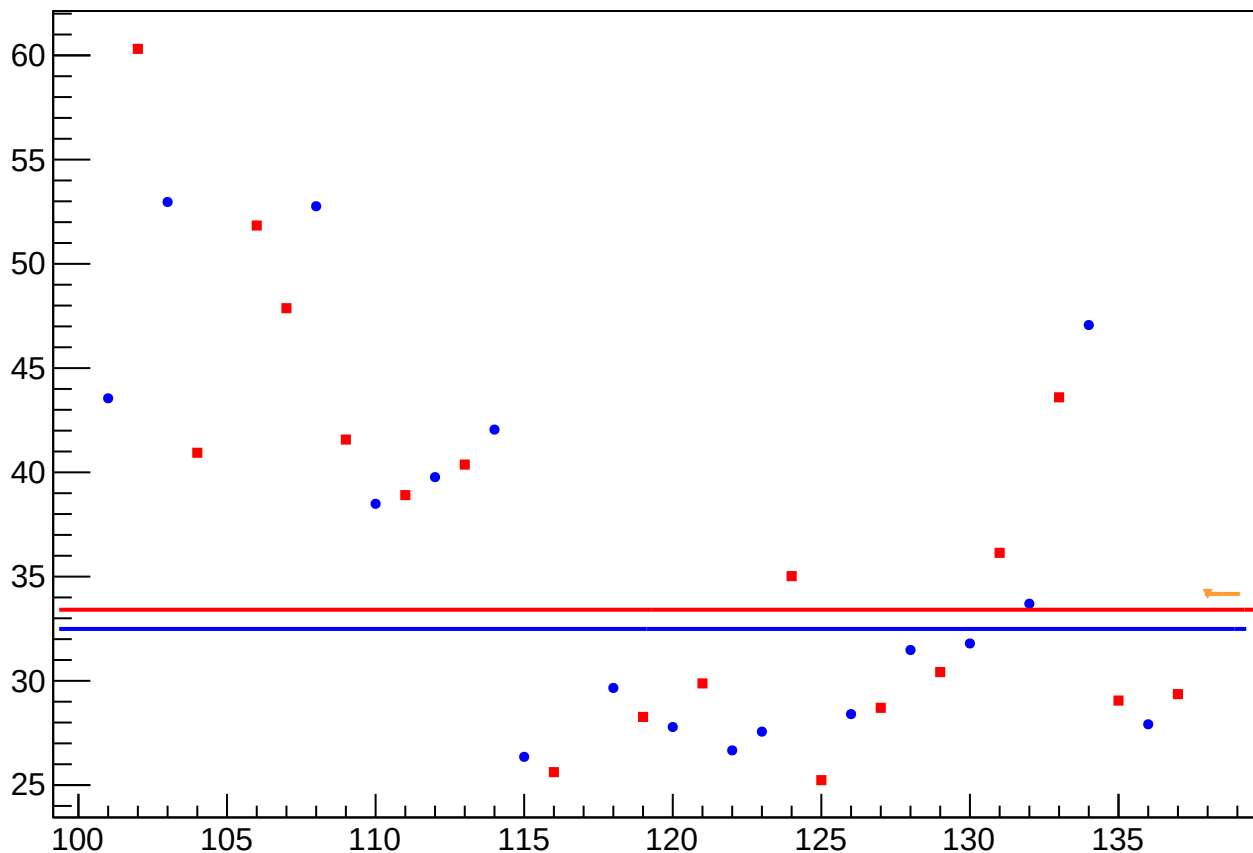
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-16.238 \pm 12.300$   $\chi^2/\text{NDF}$ : 18.4/17

All:  $-1.675 \pm 8.966$   $\chi^2/\text{NDF}$ : 39.6/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1357\_2468\_dd\_rms vs Slug



Right In: 32.489 $\pm$ 0.009  $\chi^2$ /NDF: 594480.9/16

Left Out: 34.169 $\pm$ 0.029  $\chi^2$ /NDF:0.0/0

Right Out: 33.411 $\pm$ 0.009  $\chi^2$ /NDF: 725189.8/17

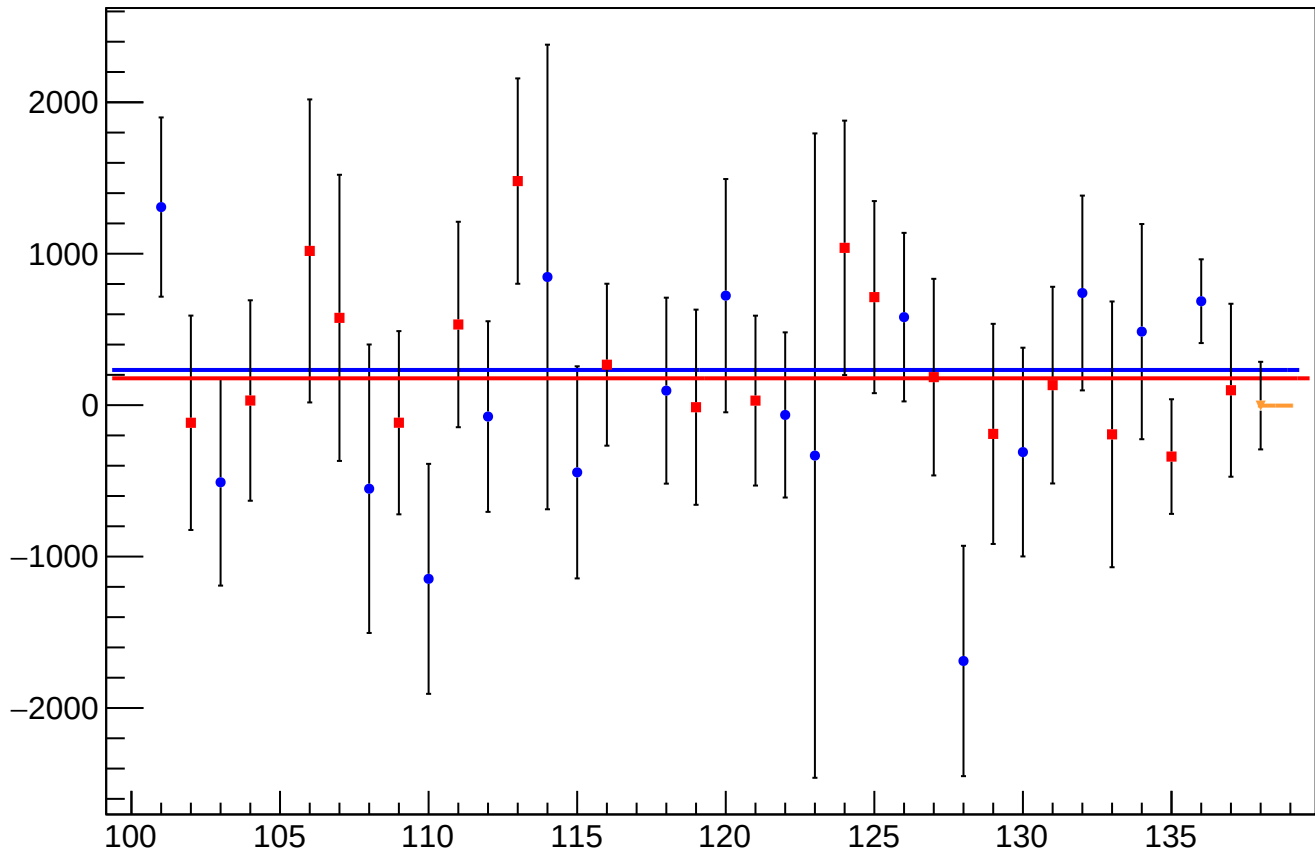
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 32.644 $\pm$ 0.009  $\chi^2$ /NDF: 597593.5/17

All: 33.003 $\pm$ 0.006  $\chi^2$ /NDF: 1326433.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_2468\_dd\_correction\_mean vs Slug



Right In: 232.332 $\pm$ 148.607  $\chi^2$ /NDF: 21.5/16

Left Out: -3.077 $\pm$ 289.206  $\chi^2$ /NDF: 0.0/0

Right Out: 177.151 $\pm$ 150.003  $\chi^2$ /NDF: 9.6/17

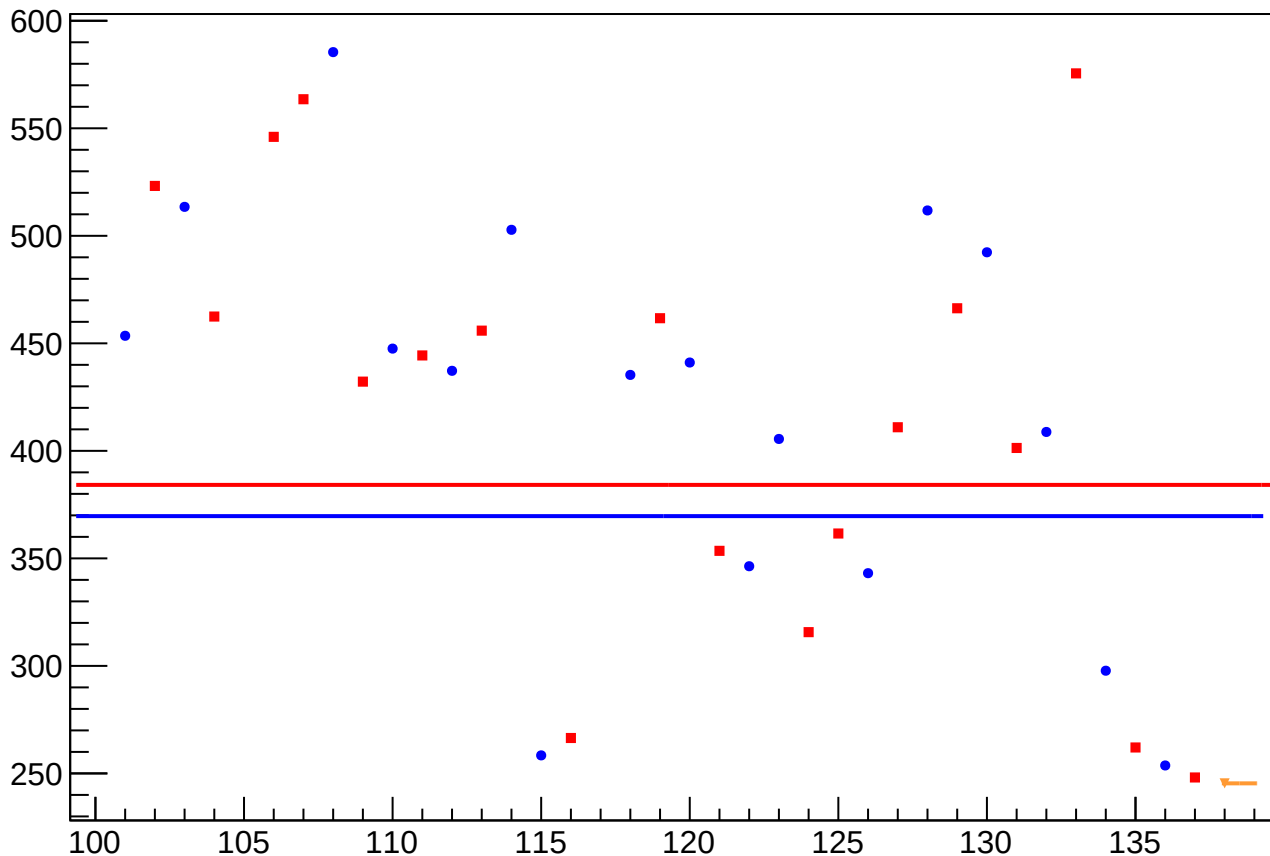
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 183.159 $\pm$ 132.178  $\chi^2$ /NDF: 22.0/17

All: 180.533 $\pm$ 99.170  $\chi^2$ /NDF: 31.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_2468\_dd\_correction\_rms vs Slug



Right In: 369.650 $\pm$ 0.105  $\chi^2$ /NDF: 902775.2/16

Left Out: 245.376 $\pm$ 0.204  $\chi^2$ /NDF: 0.0/0

Right Out: 384.171 $\pm$ 0.106  $\chi^2$ /NDF: 874993.4/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

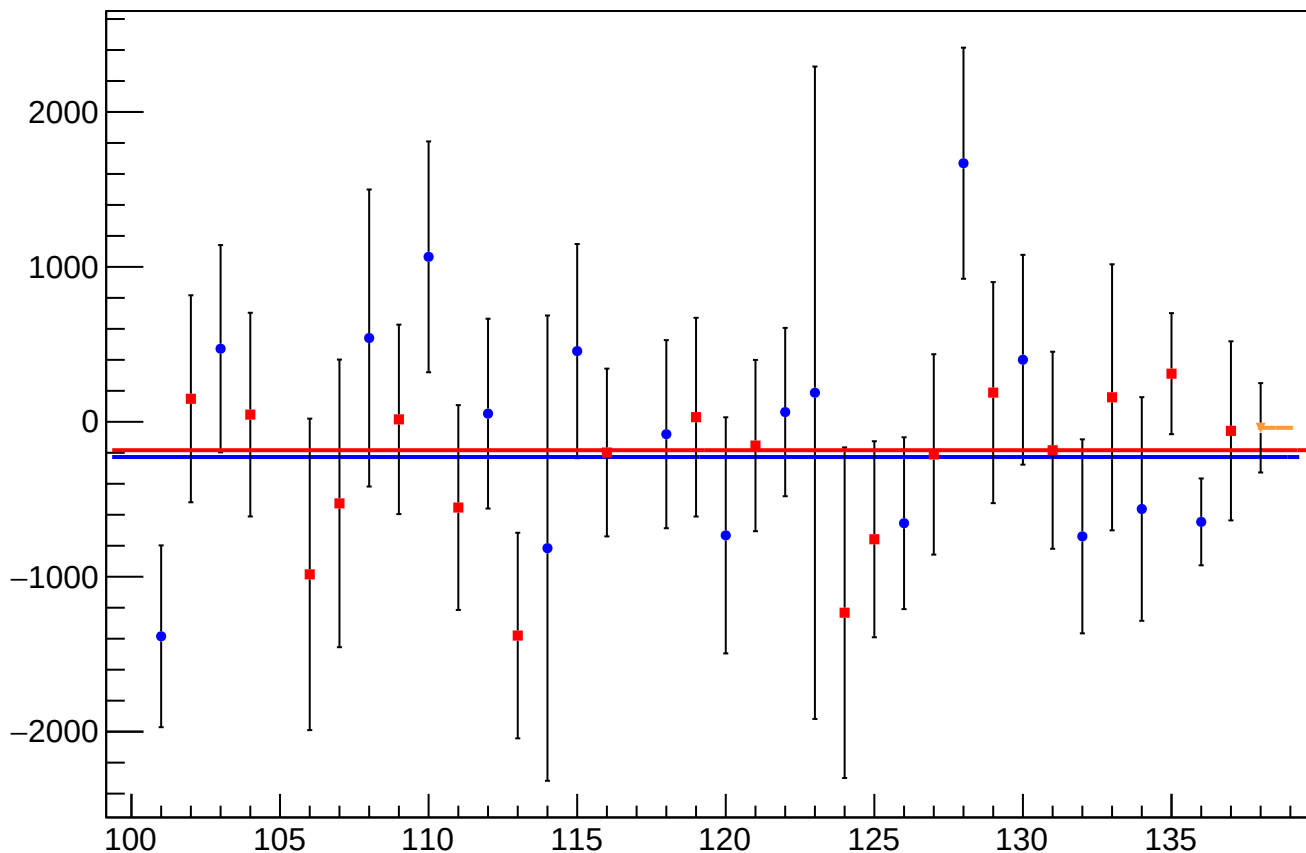
+ sign 343.691 $\pm$ 0.093  $\chi^2$ /NDF: 1194929.3/17

All: 361.384 $\pm$ 0.070  $\chi^2$ /NDF: 2151912.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_1357\_2468\_dd\_mean vs Slug



Right In:  $-227.279 \pm 147.923$   $\chi^2/\text{NDF}$ : 21.8/16

Left Out:  $-38.700 \pm 288.402$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-183.318 \pm 150.486$   $\chi^2/\text{NDF}$ : 8.8/17

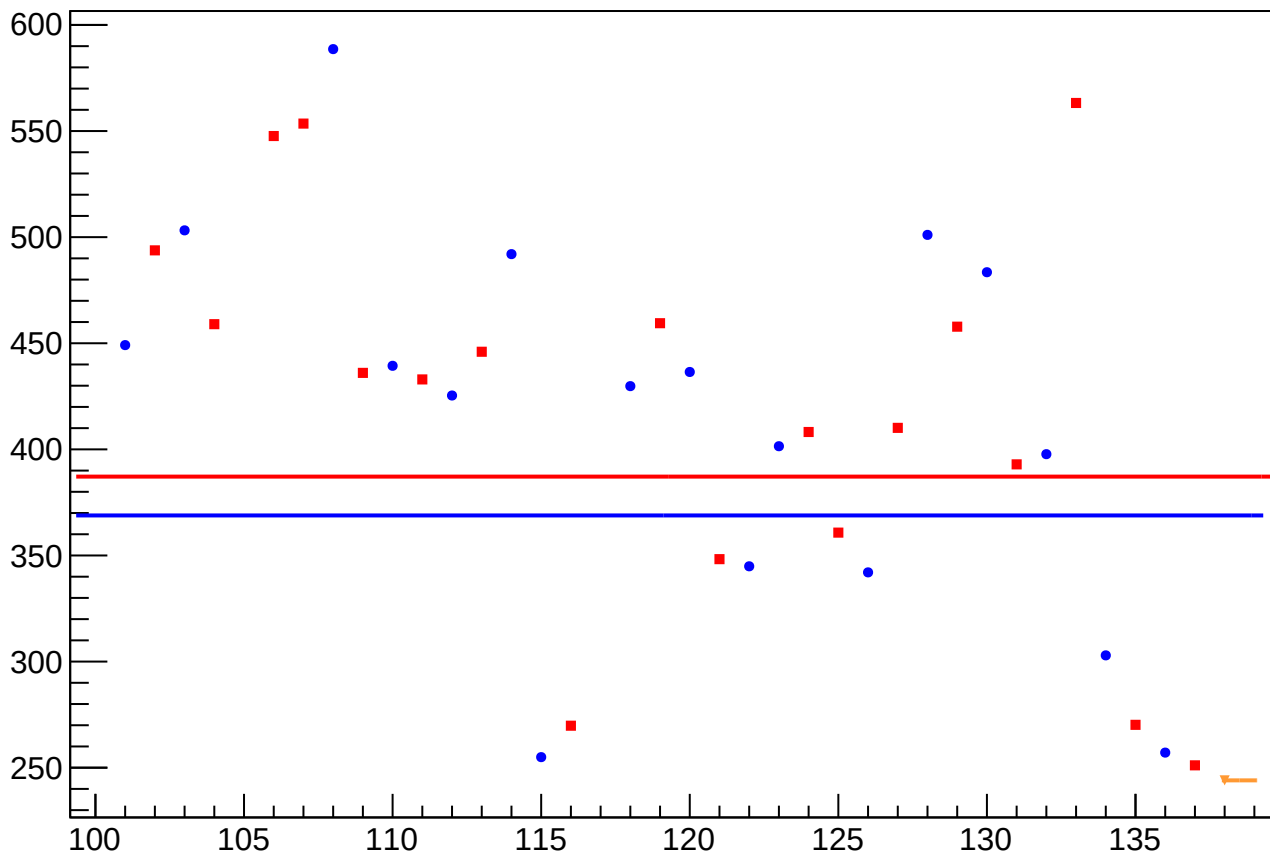
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-188.002 \pm 131.620$   $\chi^2/\text{NDF}$ : 22.2/17

All:  $-185.972 \pm 99.072$   $\chi^2/\text{NDF}$ : 31.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1357\_2468\_dd\_rms vs Slug



Right In: 368.864 $\pm$ 0.105  $\chi^2$ /NDF: 829732.0/16

Left Out: 244.026 $\pm$ 0.204  $\chi^2$ /NDF: 0.0/0

Right Out: 387.165 $\pm$ 0.106  $\chi^2$ /NDF: 758108.0/17

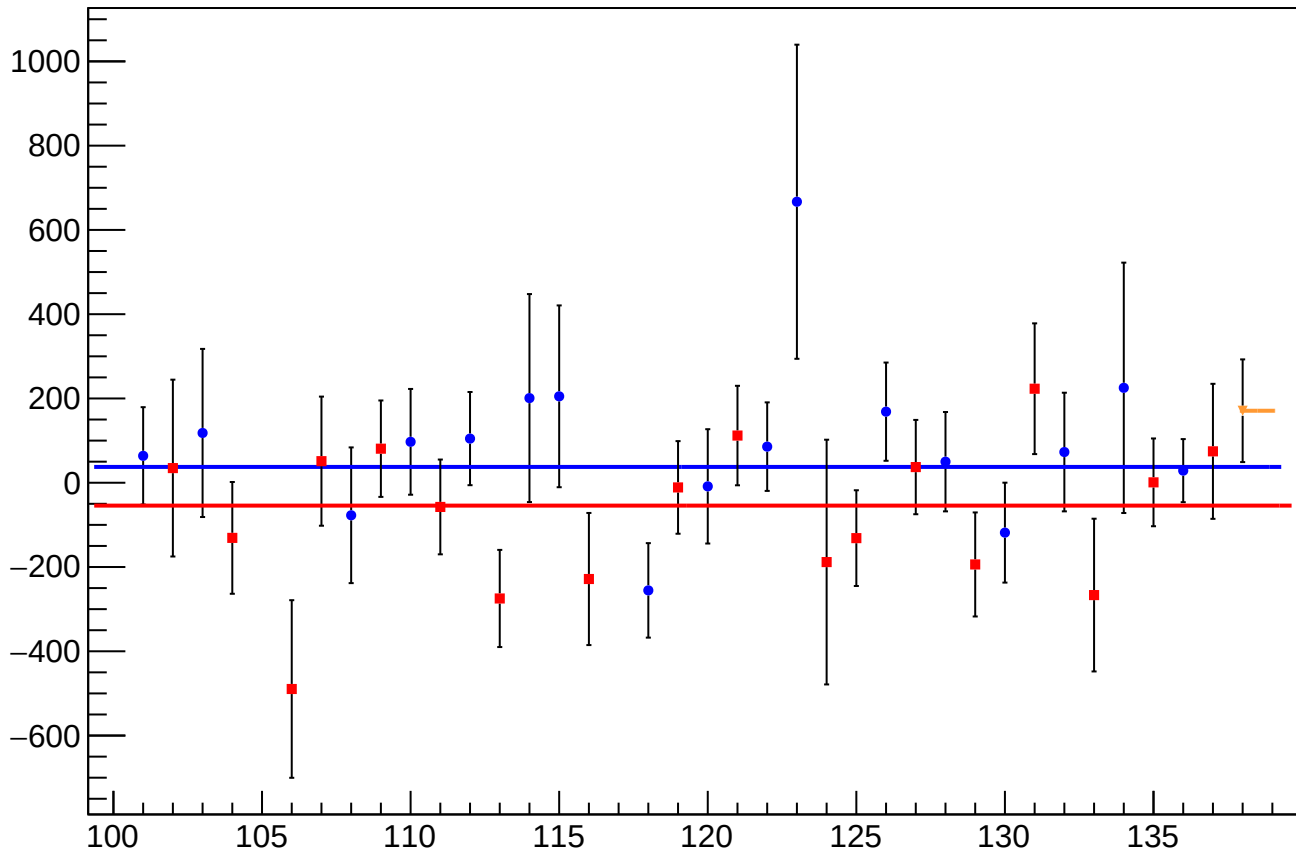
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 342.863 $\pm$ 0.093  $\chi^2$ /NDF: 1126416.1/17

All: 362.064 $\pm$ 0.070  $\chi^2$ /NDF: 1982732.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_12345678\_avg\_mean vs Slug



Right In: 37.535 $\pm$ 31.460  $\chi^2$ /NDF: 15.8/16

Left Out: 170.856 $\pm$ 121.881  $\chi^2$ /NDF: 0.0/0

Right Out: -54.274 $\pm$ 31.489  $\chi^2$ /NDF: 21.8/17

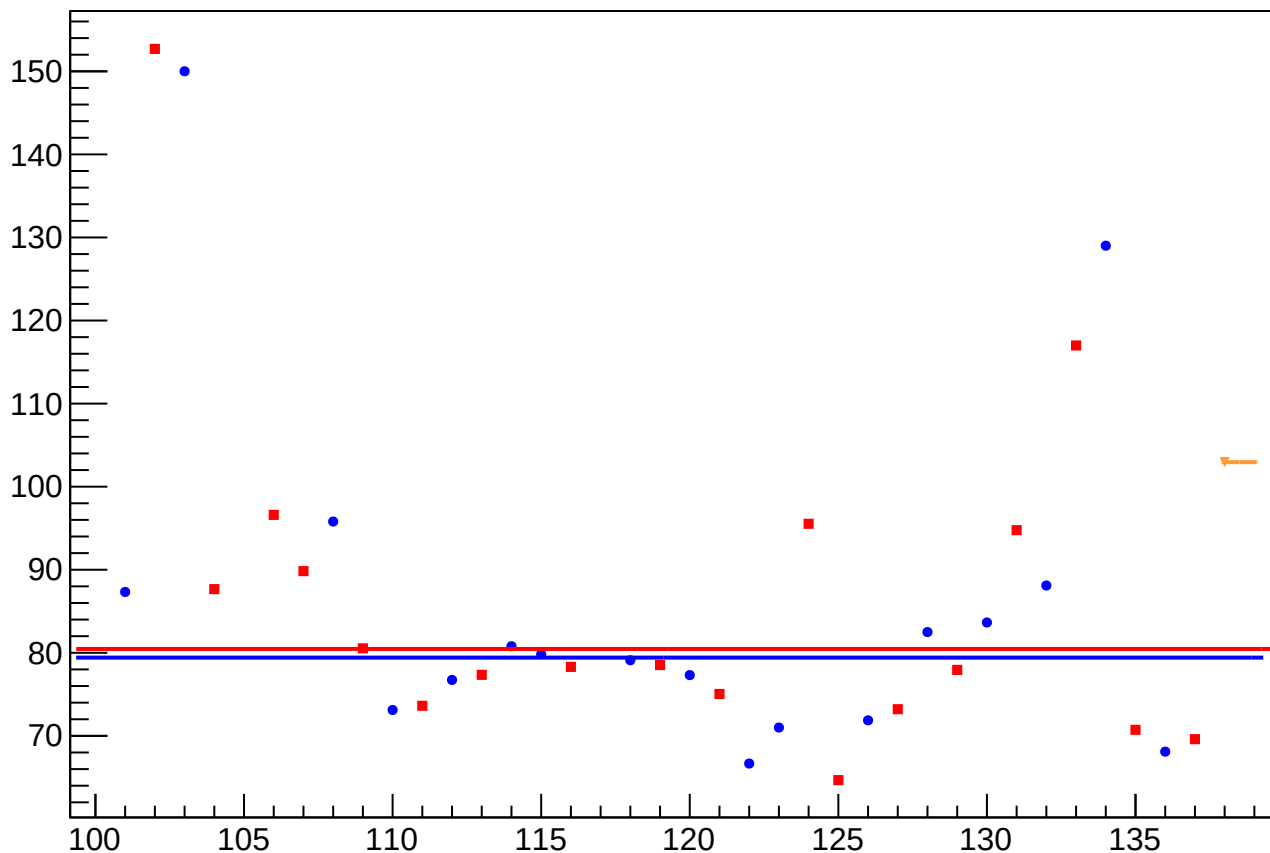
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 45.863 $\pm$ 30.462  $\chi^2$ /NDF: 17.0/17

All: -2.545 $\pm$ 21.894  $\chi^2$ /NDF: 44.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_12345678\_avg\_rms vs Slug



Right In: 79.421+/-0.022  $\chi^2/\text{NDF}$ : 439047.1/16

Left Out: 102.951+/-0.086  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 80.465+/-0.022  $\chi^2/\text{NDF}$ : 454376.0/17

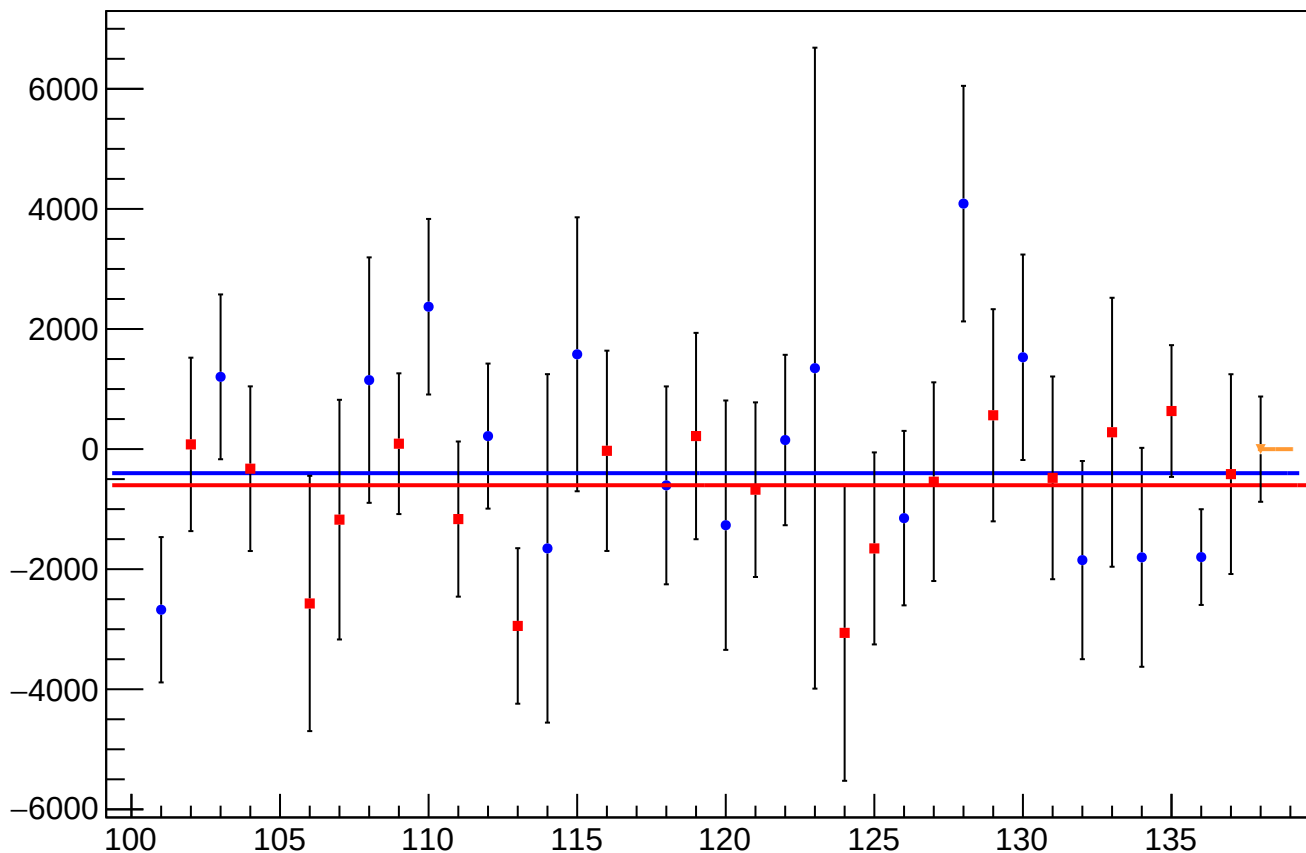
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 80.891+/-0.022  $\chi^2/\text{NDF}$ : 508933.9/17

All: 80.685+/-0.015  $\chi^2/\text{NDF}$ : 963498.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_12345678\_avg\_correction\_mean vs Slug



Right In:  $-401.047 \pm 368.480$   $\chi^2/\text{NDF}$ : 21.9/16

Left Out:  $-1.119 \pm 876.657$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-601.891 \pm 363.668$   $\chi^2/\text{NDF}$ : 8.7/17

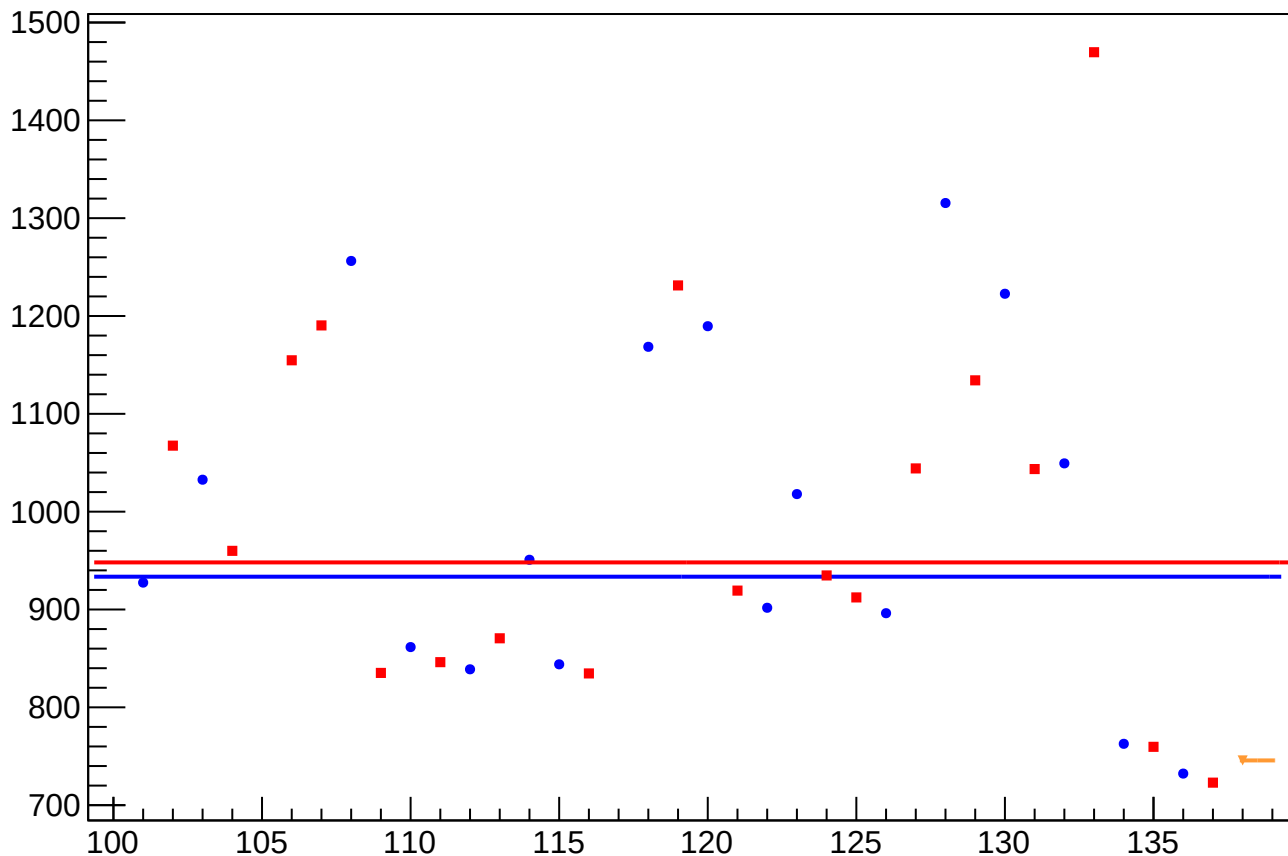
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-341.000 \pm 339.693$   $\chi^2/\text{NDF}$ : 22.1/17

All:  $-462.563 \pm 248.242$   $\chi^2/\text{NDF}$ : 31.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_12345678\_avg\_correction\_rms vs Slug



Right In:  $933.530 \pm 0.261$   $\chi^2/\text{NDF}: 442321.9/16$

Left Out:  $745.730 \pm 0.620$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $948.131 \pm 0.257$   $\chi^2/\text{NDF}: 405153.7/17$

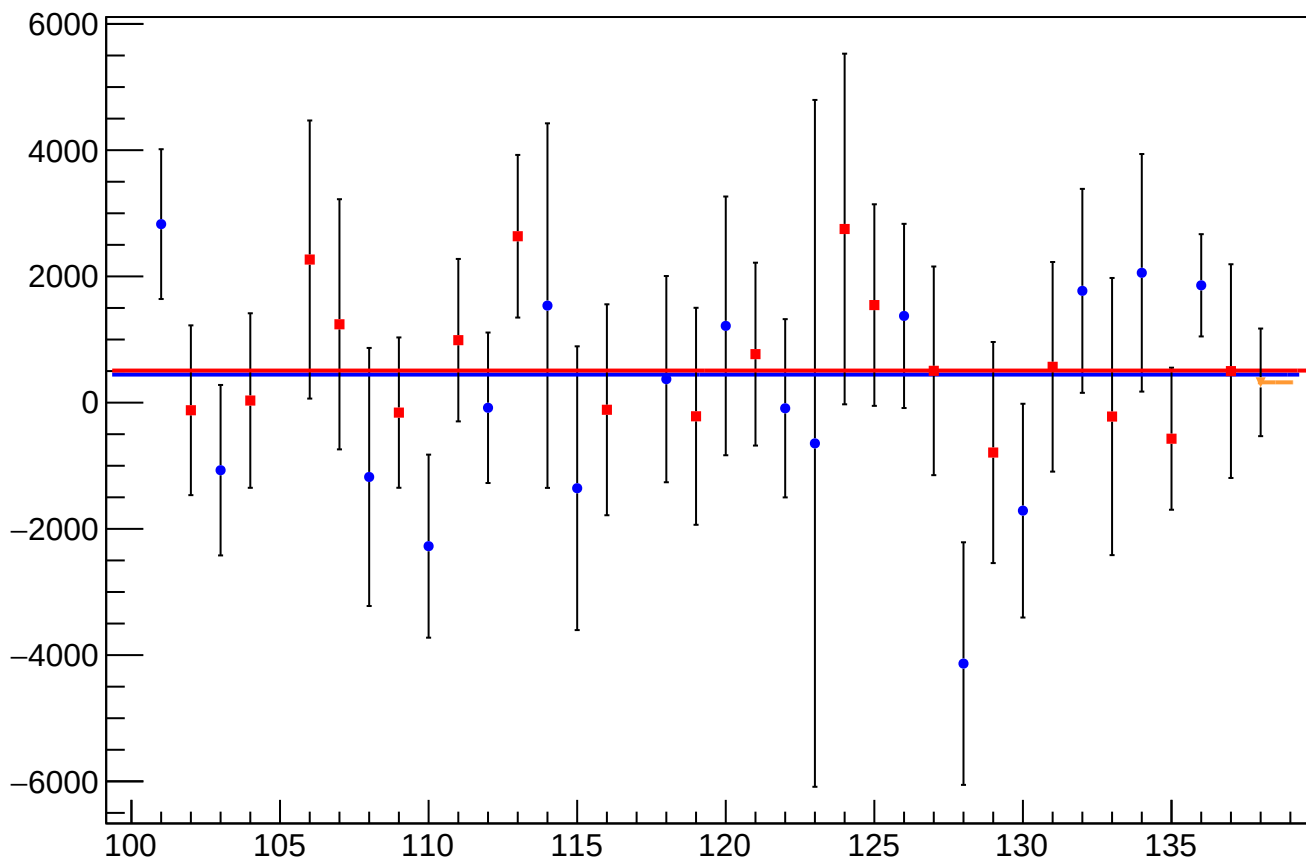
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $905.333 \pm 0.240$   $\chi^2/\text{NDF}: 520324.4/17$

All:  $925.275 \pm 0.176$   $\chi^2/\text{NDF}: 940271.0/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_sam\_12345678\_avg\_mean vs Slug



Right In: 444.669+/-367.099  $\chi^2/\text{NDF}$ : 22.9/16

Left Out: 321.504+/-852.459  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 508.221+/-364.112  $\chi^2/\text{NDF}$ : 7.3/17

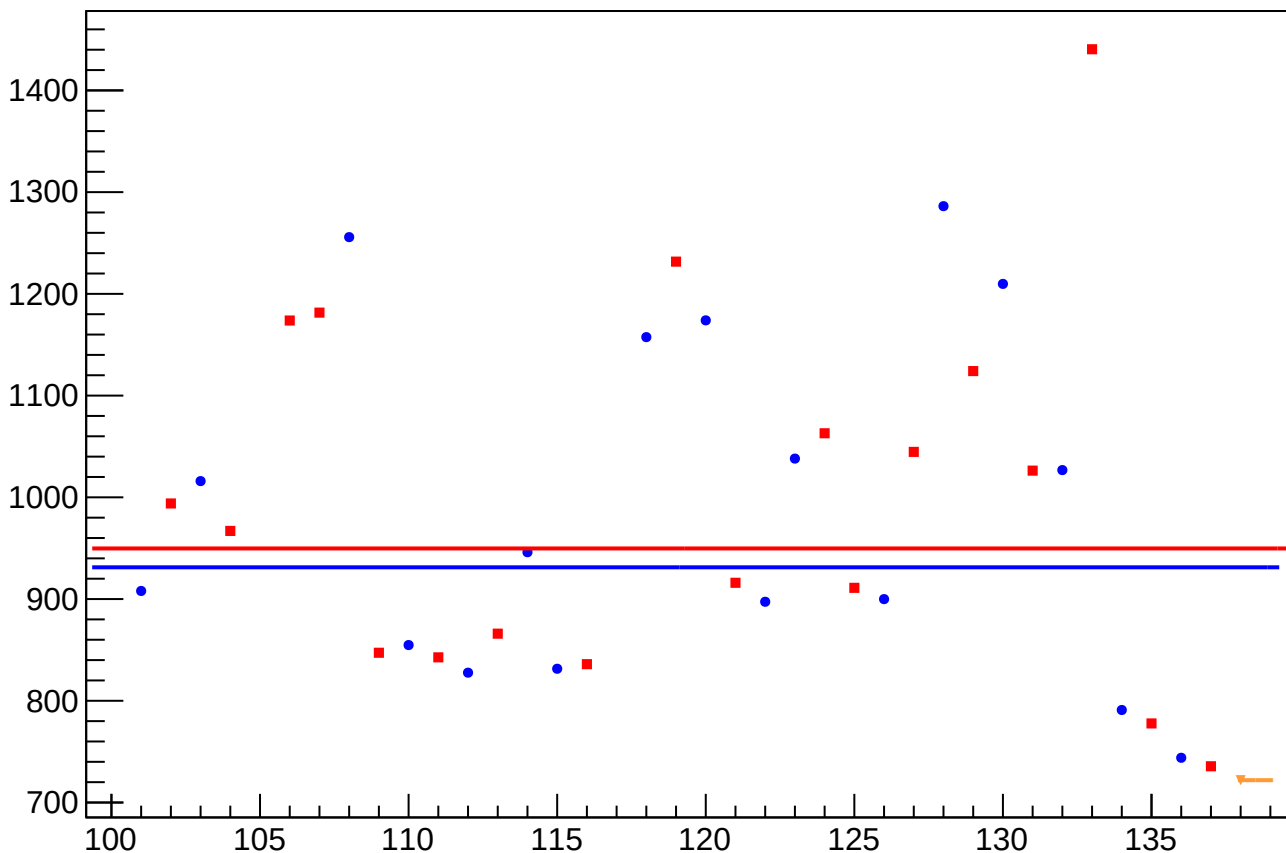
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 425.402+/-337.165  $\chi^2/\text{NDF}$ : 22.9/17

All: 463.634+/-247.390  $\chi^2/\text{NDF}$ : 30.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_12345678\_avg\_rms vs Slug



Right In: 931.203+/-0.260  $\chi^2/\text{NDF}$ : 400242.2/16

Left Out: 721.950+/-0.603  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 949.740+/-0.257  $\chi^2/\text{NDF}$ : 365550.8/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

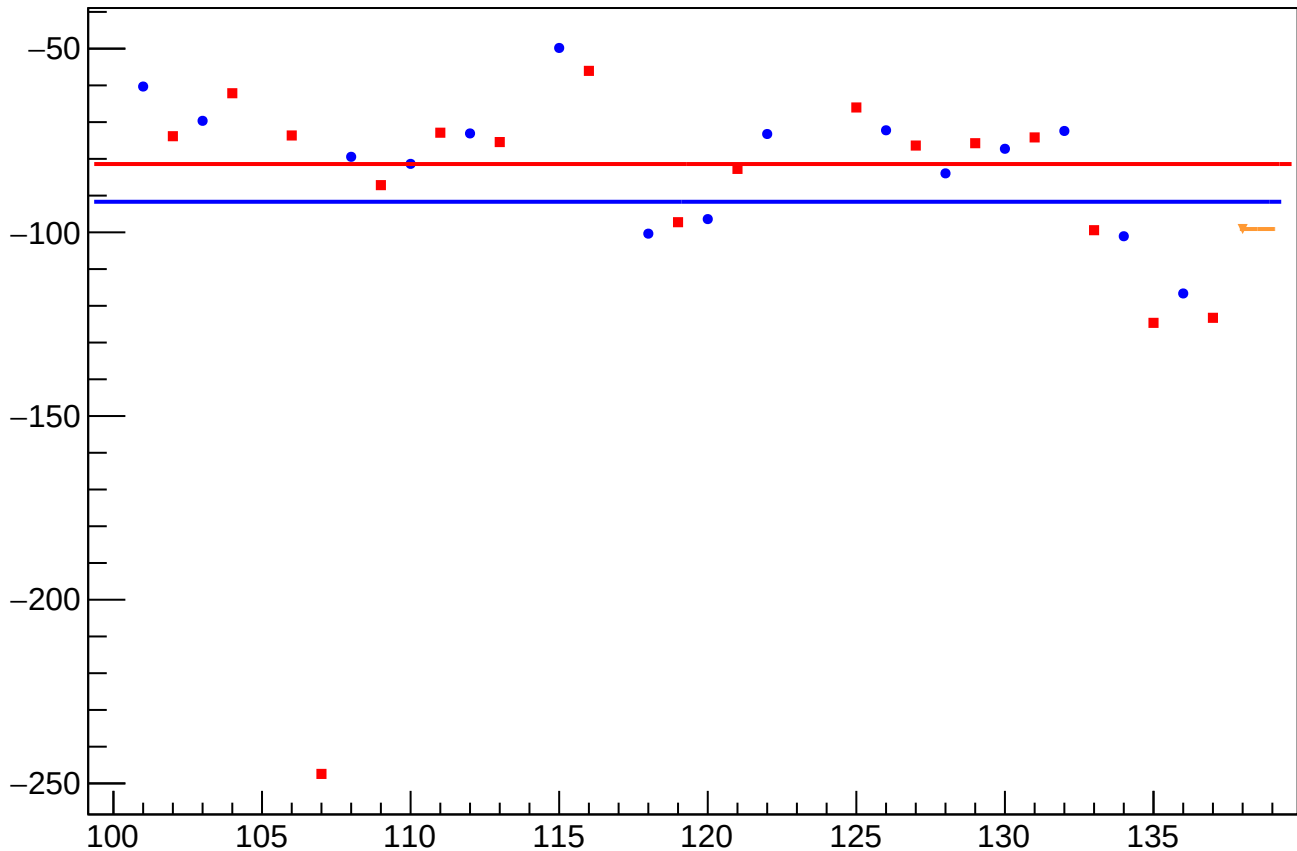
+ sign 898.468+/-0.238  $\chi^2/\text{NDF}$ : 501901.1/17

All: 922.137+/-0.175  $\chi^2/\text{NDF}$ : 888802.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_usl\_4aX\_slope vs Slug



Right In:  $-91.679 \pm 0.070$   $\chi^2/\text{NDF}$ : 64621.9/14

Left Out:  $-99.097 \pm 0.811$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-81.406 \pm 0.098$   $\chi^2/\text{NDF}$ : 41708.8/16

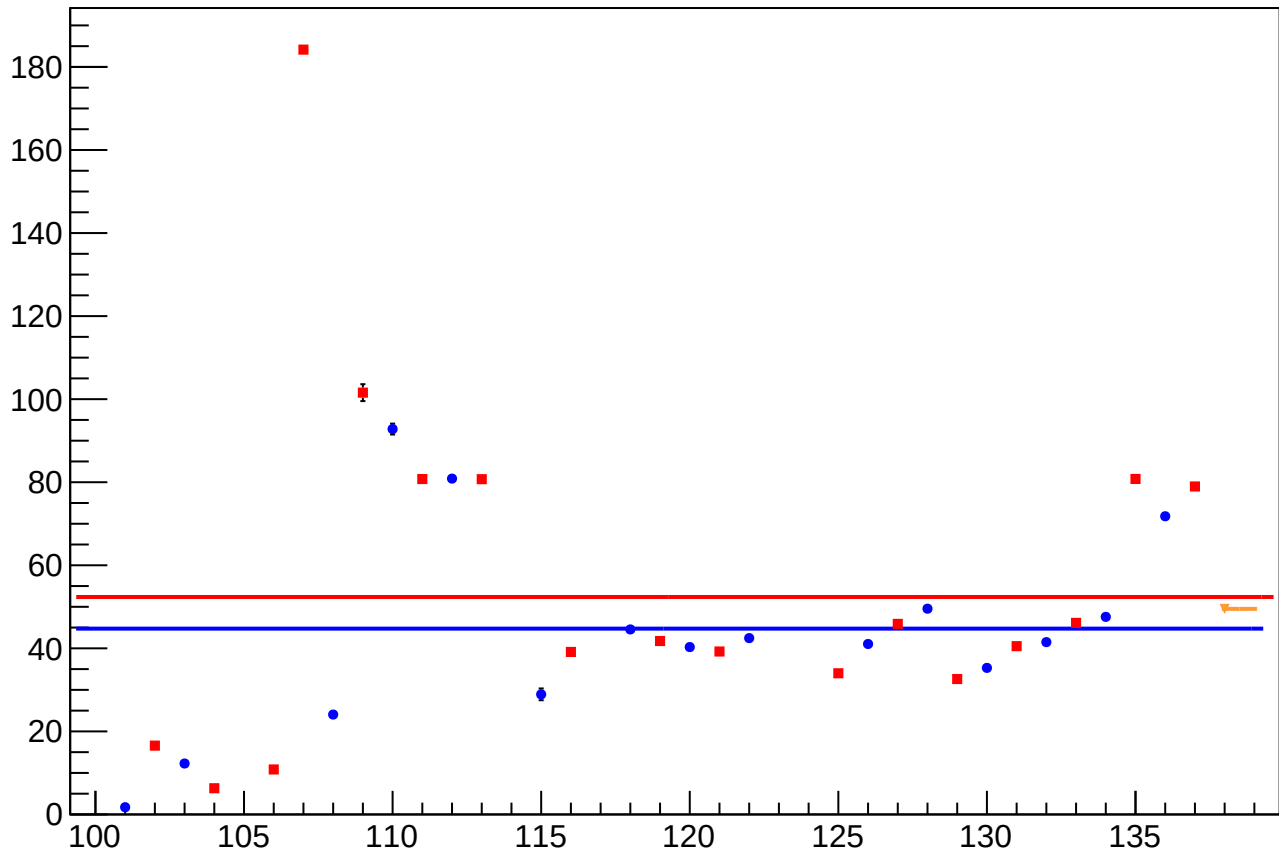
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-91.734 \pm 0.070$   $\chi^2/\text{NDF}$ : 64704.9/15

All:  $-88.275 \pm 0.057$   $\chi^2/\text{NDF}$ : 113730.1/32

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_4eX\_slope vs Slug



Right In: 44.745+/-0.061  $\chi^2/\text{NDF}$ : 84697.9/14

Left Out: 49.502+/-0.871  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 52.367+/-0.113  $\chi^2/\text{NDF}$ : 69285.2/16

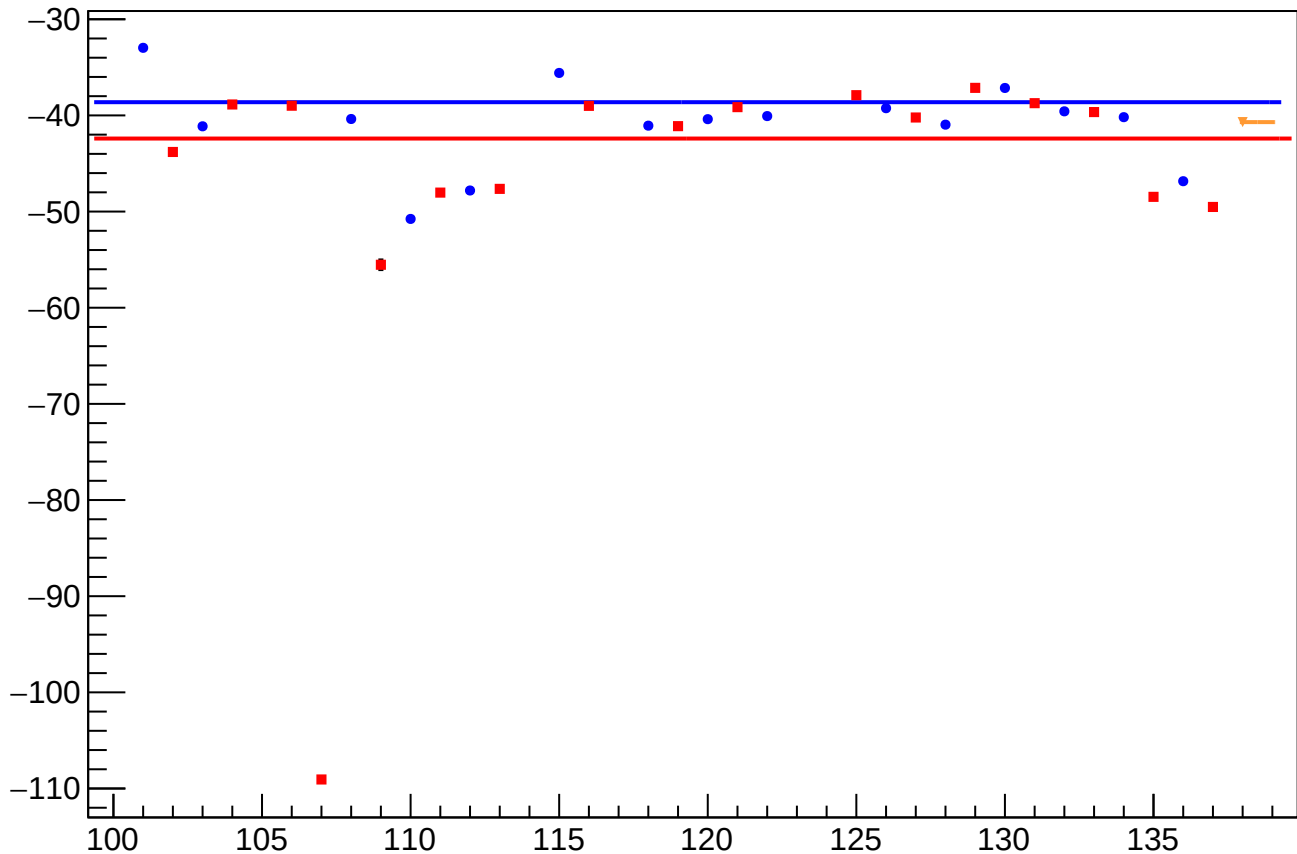
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 44.768+/-0.060  $\chi^2/\text{NDF}$ : 84727.6/15

All: 46.468+/-0.053  $\chi^2/\text{NDF}$ : 157550.6/32

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_11X12X\_slope vs Slug



Right In:  $-38.625 \pm 0.008$   $\chi^2/\text{NDF}$ : 240108.7/14

Left Out:  $-40.697 \pm 0.244$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-42.406 \pm 0.021$   $\chi^2/\text{NDF}$ : 269138.5/16

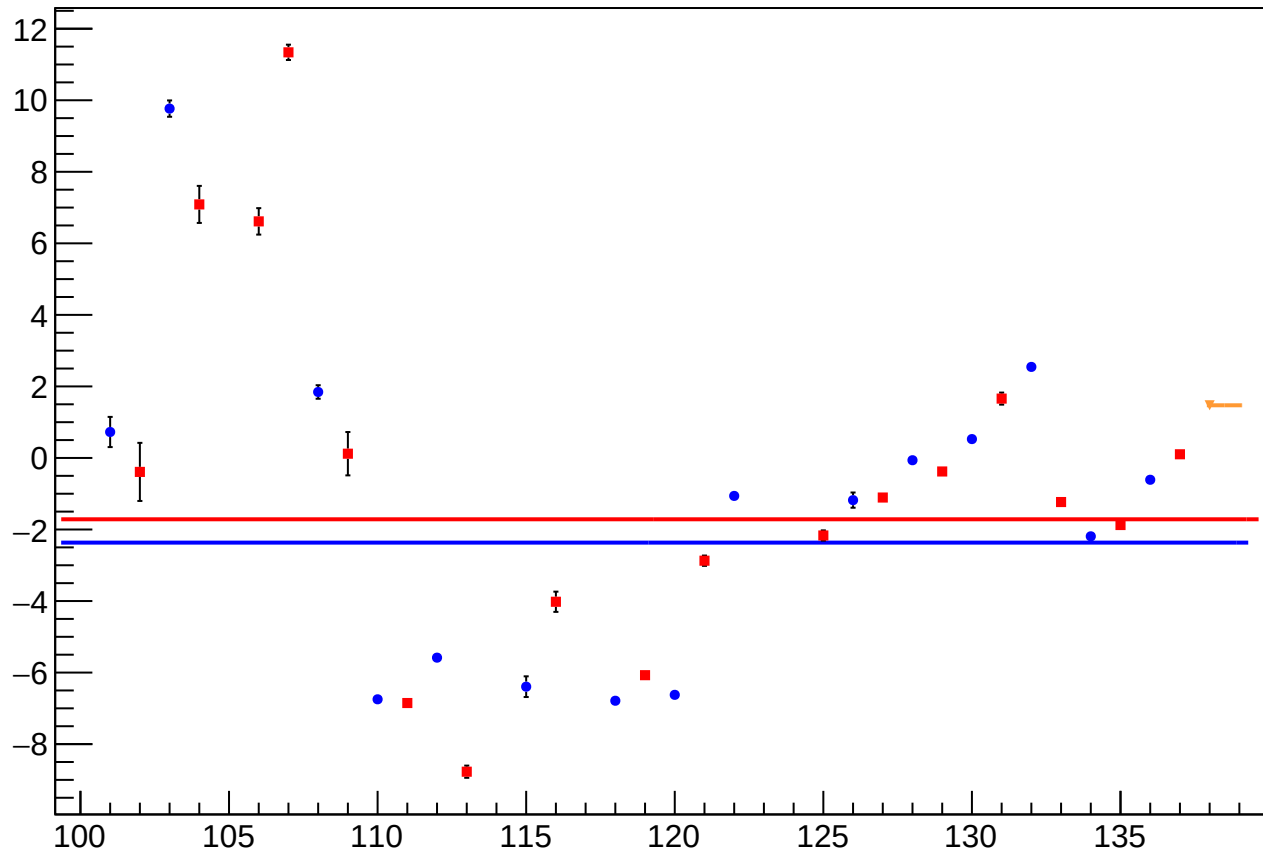
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-38.628 \pm 0.008$   $\chi^2/\text{NDF}$ : 240180.7/15

All:  $-39.123 \pm 0.008$   $\chi^2/\text{NDF}$ : 536701.8/32

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_4aY\_slope vs Slug



Right In:  $-2.367 \pm 0.014$   $\chi^2/\text{NDF}$ : 28797.3/14

Left Out:  $1.472 \pm 0.132$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.715 \pm 0.027$   $\chi^2/\text{NDF}$ : 12719.3/16

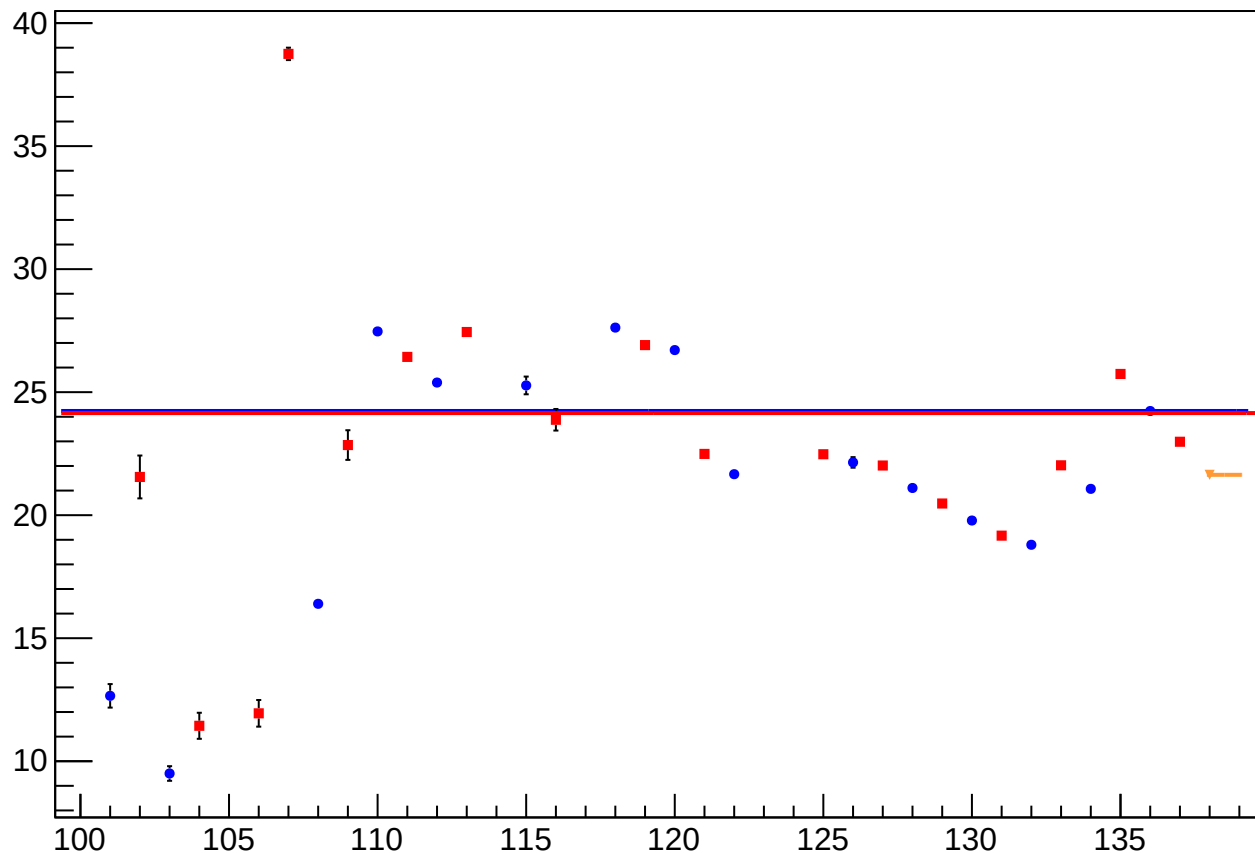
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-2.323 \pm 0.014$   $\chi^2/\text{NDF}$ : 29637.3/15

All:  $-2.194 \pm 0.012$   $\chi^2/\text{NDF}$ : 42757.5/32

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_4eY\_slope vs Slug



Right In: 24.235 $\pm$ 0.022  $\chi^2$ /NDF: 21896.9/14

Left Out: 21.641 $\pm$ 0.155  $\chi^2$ /NDF: 0.0/0

Right Out: 24.150 $\pm$ 0.024  $\chi^2$ /NDF: 13222.6/16

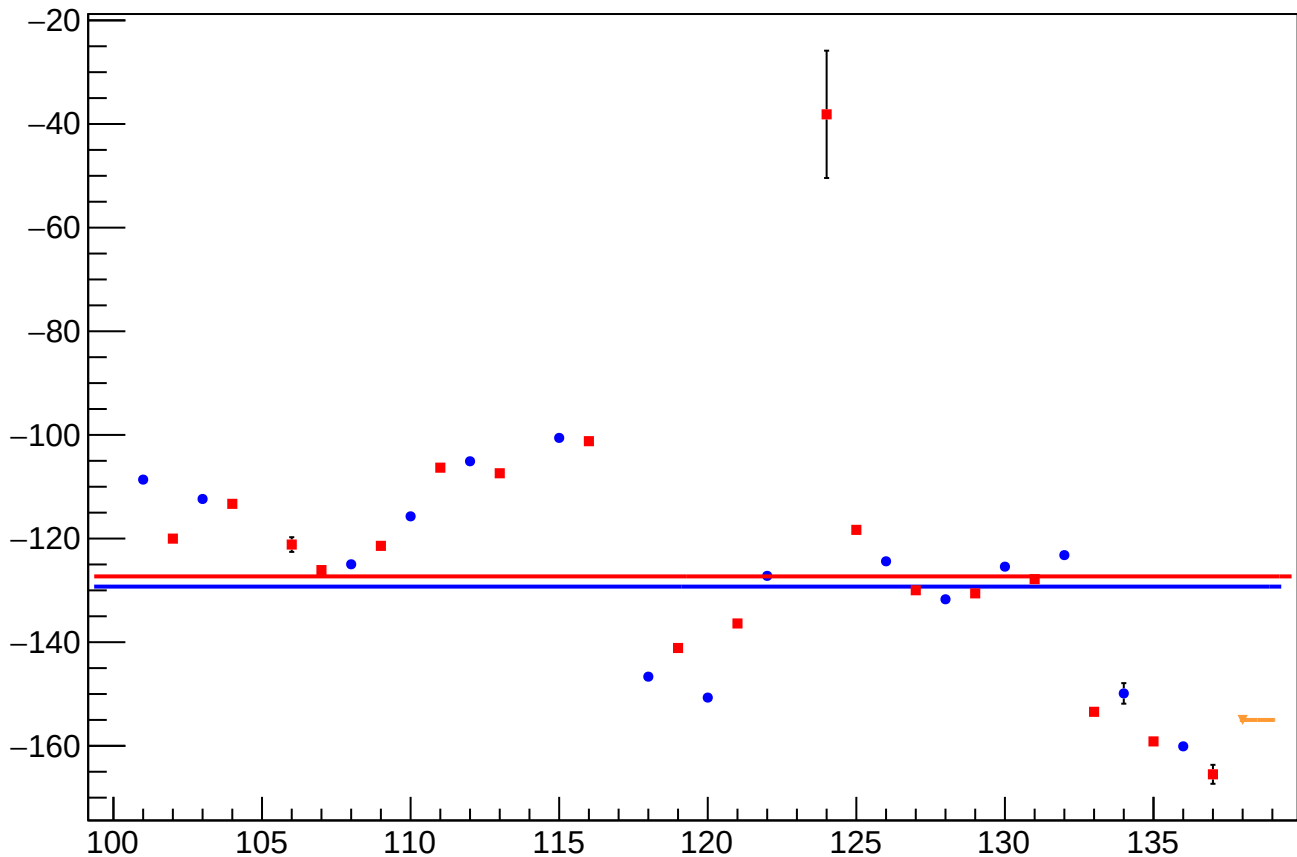
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 24.184 $\pm$ 0.022  $\chi^2$ /NDF: 22172.2/15

All: 24.169 $\pm$ 0.016  $\chi^2$ /NDF: 35395.9/32

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_4aX\_slope vs Slug



Right In: -129.272+/-0.088  $\chi^2/\text{NDF}$ : 35109.7/14

Left Out: -155.006+/-0.241  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -127.303+/-0.084  $\chi^2/\text{NDF}$ : 29597.3/17

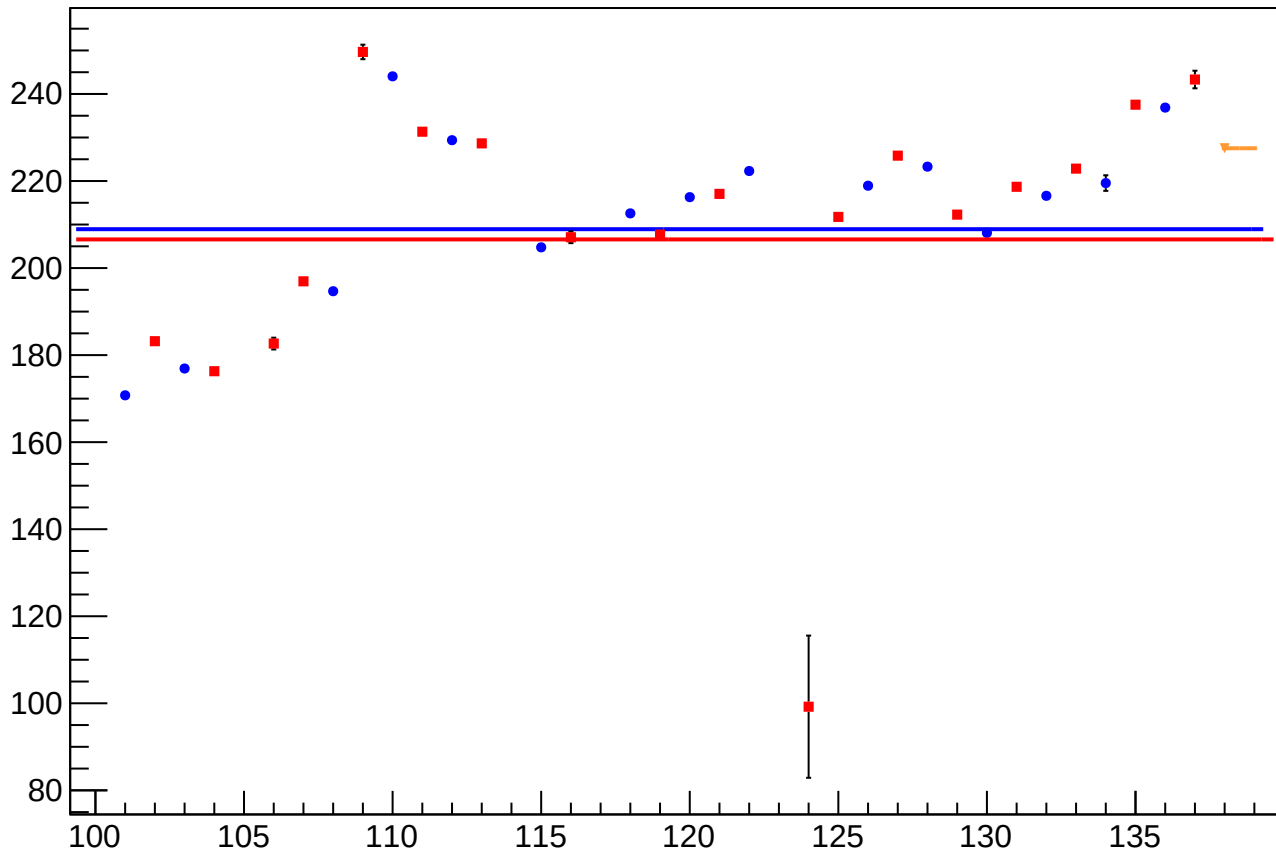
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -132.292+/-0.082  $\chi^2/\text{NDF}$ : 45195.2/15

All: -129.853+/-0.059  $\chi^2/\text{NDF}$ : 76581.7/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_4eX\_slope vs Slug



Right In: 208.934 $\pm$ 0.089  $\chi^2$ /NDF: 44684.8/14

Left Out: 227.531 $\pm$ 0.253  $\chi^2$ /NDF: 0.0/0

Right Out: 206.581 $\pm$ 0.083  $\chi^2$ /NDF: 48210.8/17

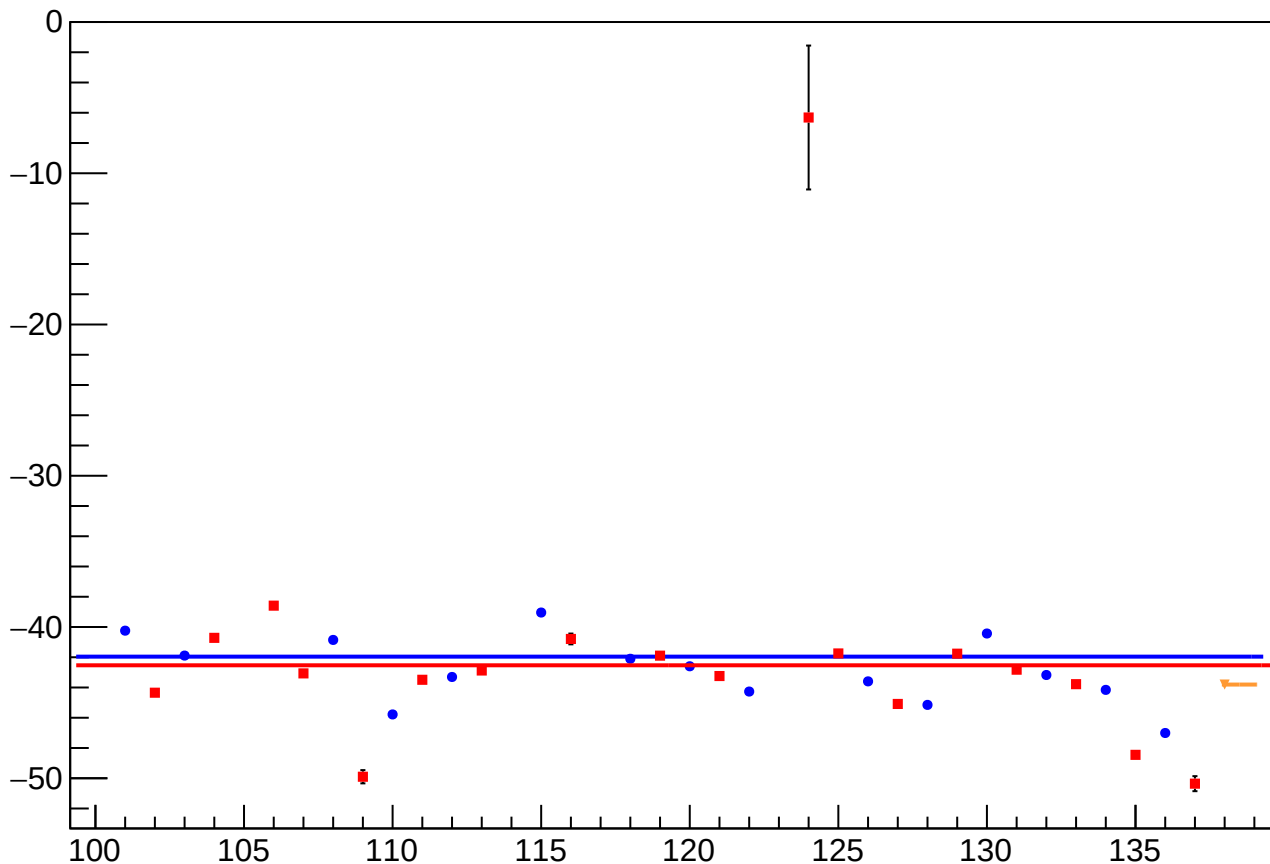
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 210.996 $\pm$ 0.084  $\chi^2$ /NDF: 49504.5/15

All: 208.764 $\pm$ 0.059  $\chi^2$ /NDF: 99108.1/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_11X12X\_slope vs Slug



Right In:  $-41.959 \pm 0.016$   $\chi^2/\text{NDF}$ : 24229.7/14

Left Out:  $-43.805 \pm 0.036$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-42.532 \pm 0.021$   $\chi^2/\text{NDF}$ : 6137.0/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

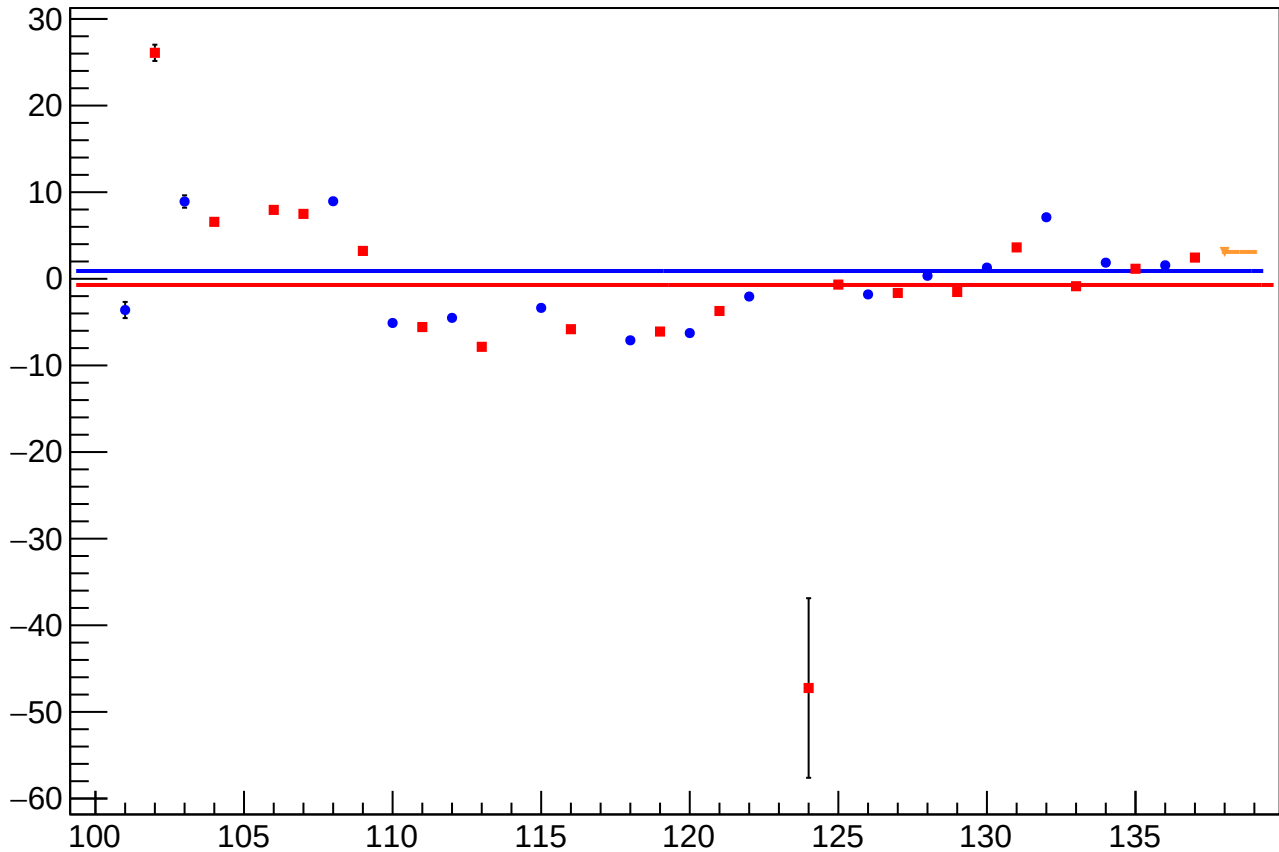
+ sign  $-42.257 \pm 0.014$   $\chi^2/\text{NDF}$ : 26480.9/15

All:  $-42.346 \pm 0.012$   $\chi^2/\text{NDF}$ : 32738.1/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# dit\_usr\_4aY\_slope vs Slug



Right In:  $0.903 \pm 0.020$   $\chi^2/\text{NDF}$ : 21140.4/14

Left Out:  $3.101 \pm 0.096$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.711 \pm 0.024$   $\chi^2/\text{NDF}$ : 30723.8/17

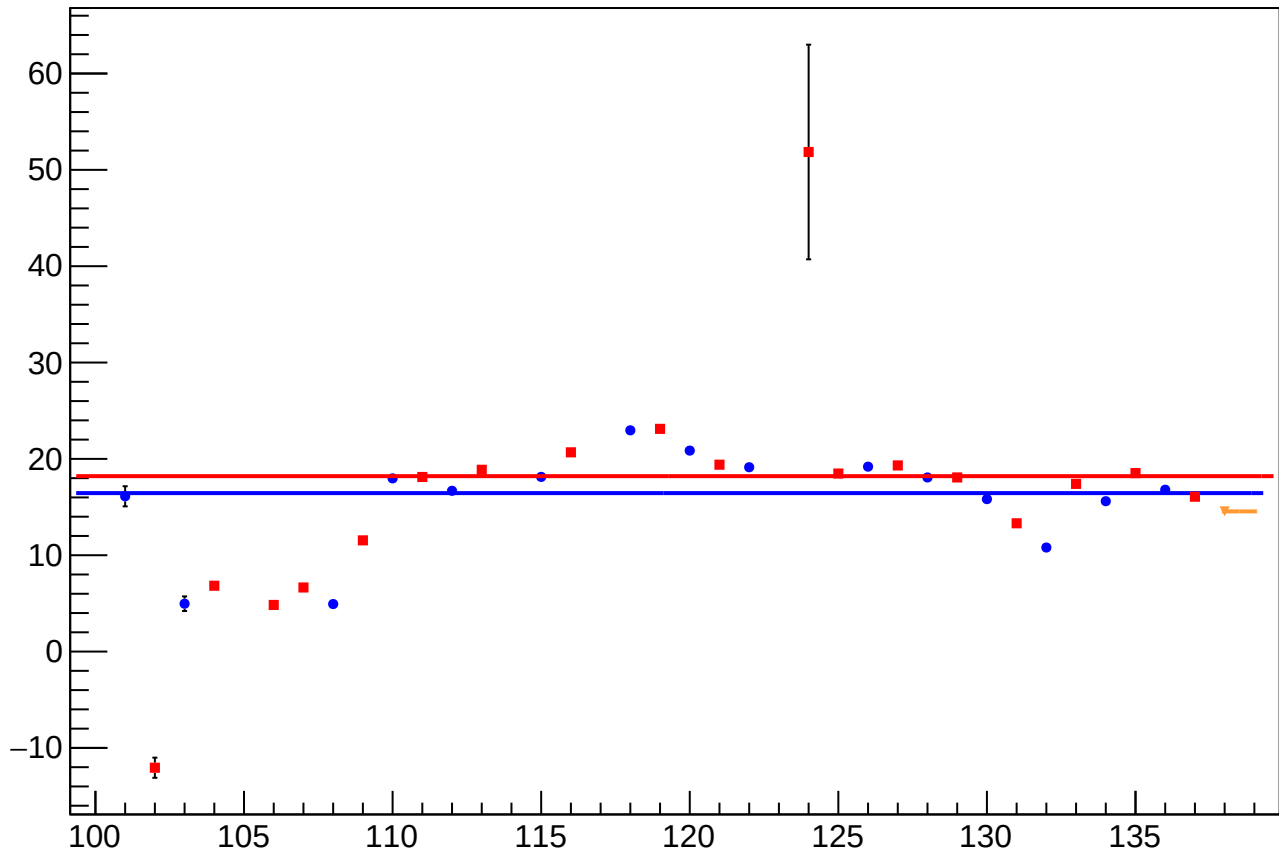
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.995 \pm 0.020$   $\chi^2/\text{NDF}$ : 21640.9/15

All:  $0.322 \pm 0.015$   $\chi^2/\text{NDF}$ : 55349.0/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_4eY\_slope vs Slug



Right In: 16.447 $\pm$ 0.024  $\chi^2$ /NDF: 14183.1/14

Left Out: 14.550 $\pm$ 0.099  $\chi^2$ /NDF: 0.0/0

Right Out: 18.207 $\pm$ 0.020  $\chi^2$ /NDF: 27493.7/17

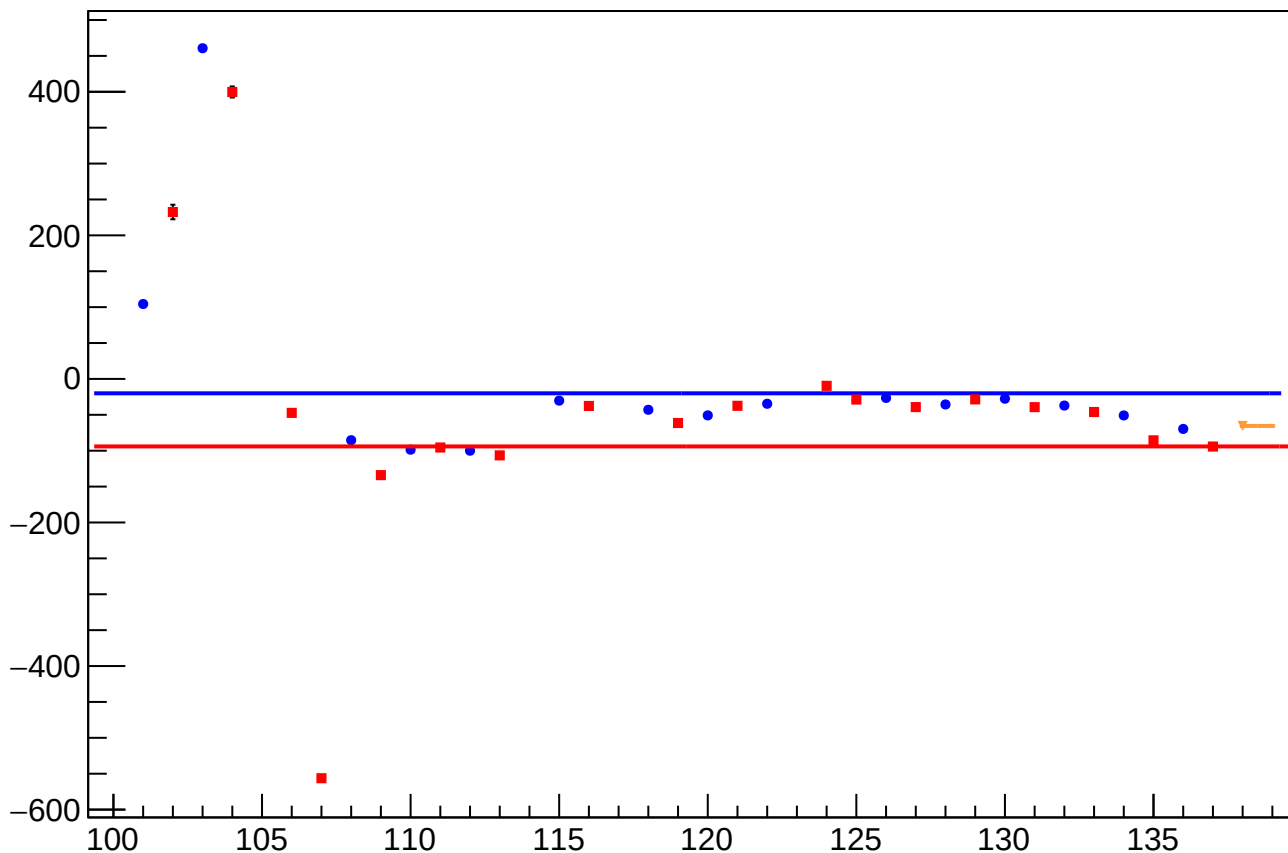
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 16.339 $\pm$ 0.024  $\chi^2$ /NDF: 14528.6/15

All: 17.410 $\pm$ 0.015  $\chi^2$ /NDF: 45586.0/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4aX\_slope vs Slug



Right In:  $-20.059 \pm 0.153$   $\chi^2/\text{NDF}$ : 441461.8/14

Left Out:  $-65.507 \pm 0.382$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-94.050 \pm 0.012$   $\chi^2/\text{NDF}$ : 87487.7/17

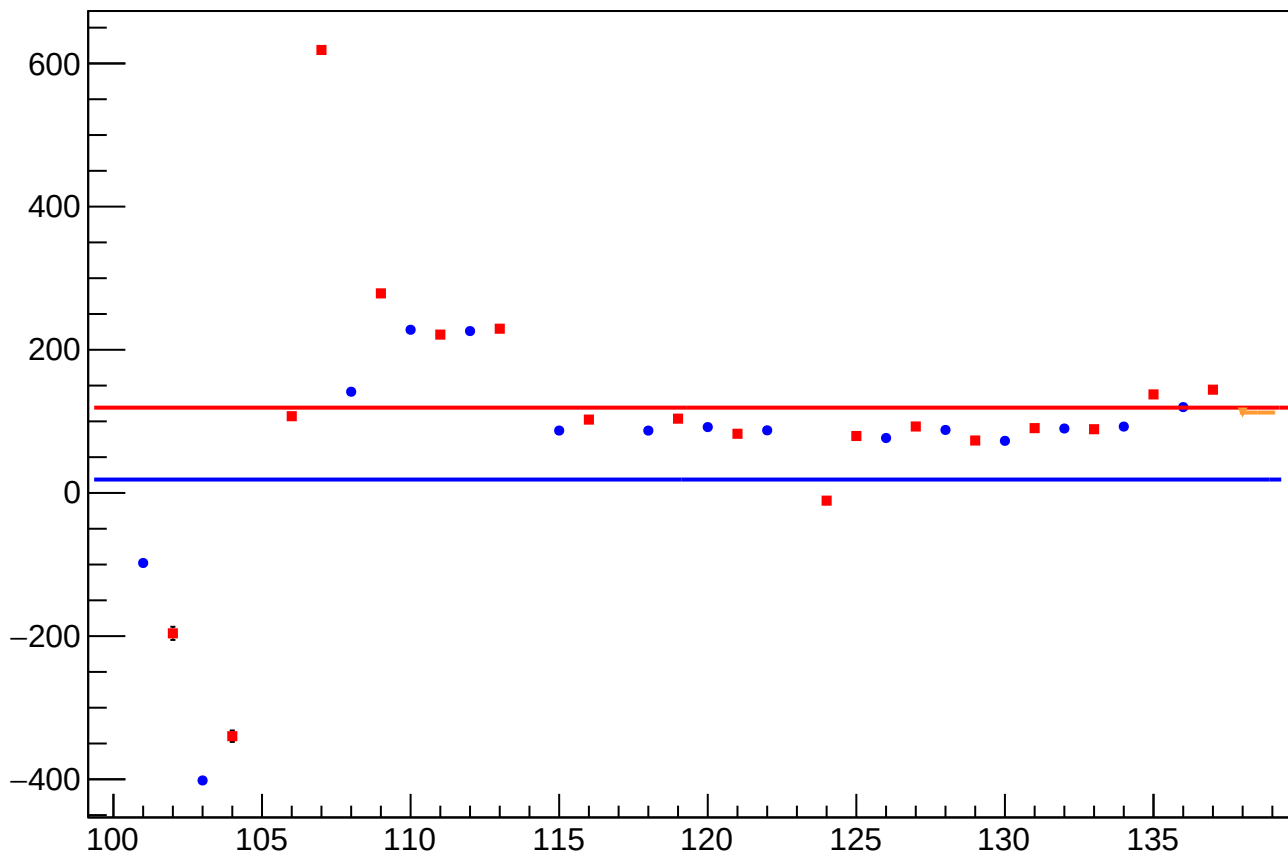
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-26.338 \pm 0.142$   $\chi^2/\text{NDF}$ : 453630.1/15

All:  $-93.536 \pm 0.012$   $\chi^2/\text{NDF}$ : 766220.6/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_4eX\_slope vs Slug



Right In: 18.731+/-0.152  $\chi^2/\text{NDF}$ : 1101803.8/14

Left Out: 112.302+/-0.383  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 119.167+/-0.199  $\chi^2/\text{NDF}$ : 87450.0/17

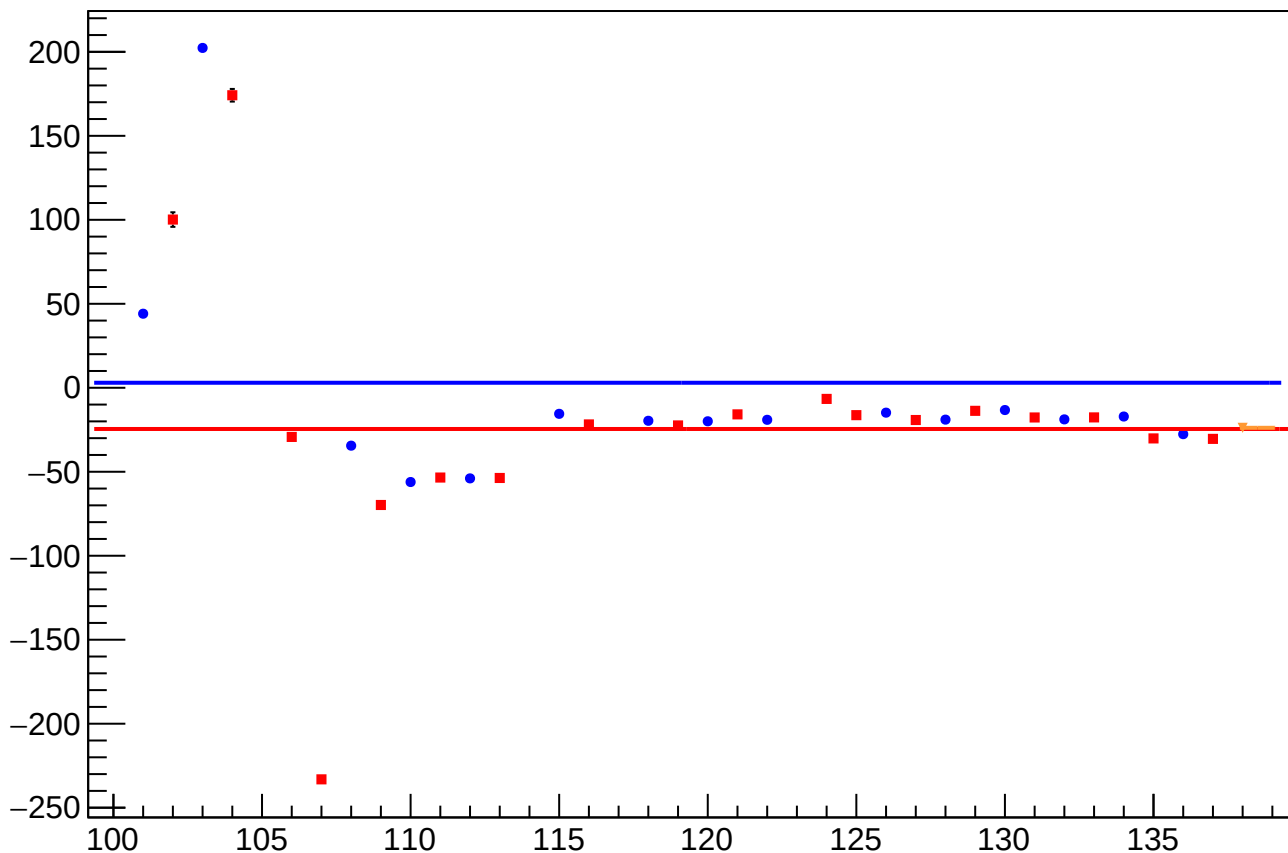
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 31.467+/-0.141  $\chi^2/\text{NDF}$ : 1153330.5/15

All: 60.826+/-0.115  $\chi^2/\text{NDF}$ : 1369654.7/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_11X12X\_slope vs Slug



Right In: 2.991+/-0.027  $\chi^2/\text{NDF}$ : 3496745.8/14

Left Out: -23.833+/-0.094  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -24.533+/-0.044  $\chi^2/\text{NDF}$ : 176488.8/17

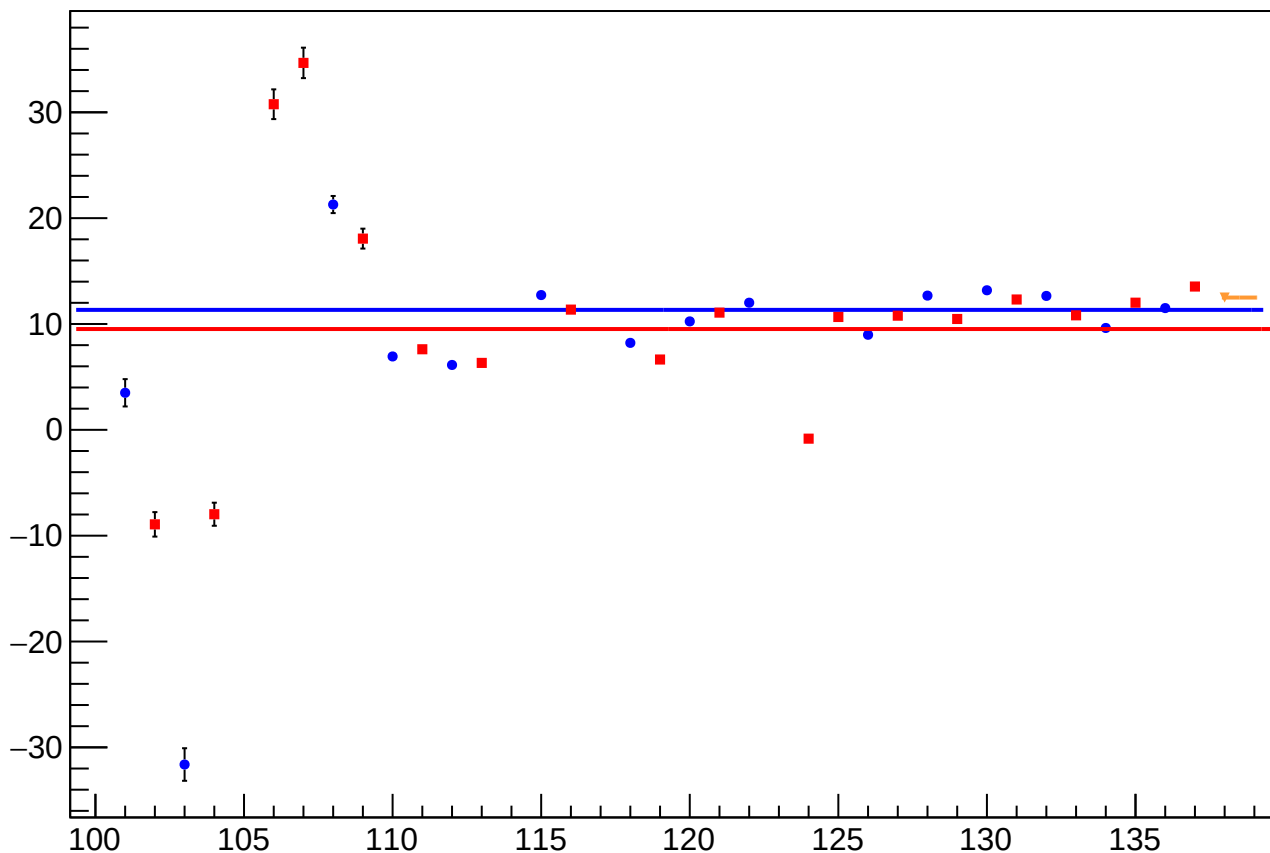
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.977+/-0.026  $\chi^2/\text{NDF}$ : 3571474.3/15

All: -5.655+/-0.022  $\chi^2/\text{NDF}$ : 4000997.3/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_4aY\_slope vs Slug



Right In: 11.334 $\pm$ 0.037  $\chi^2$ /NDF: 2406.0/14

Left Out: 12.498 $\pm$ 0.083  $\chi^2$ /NDF: 0.0/0

Right Out: 9.524 $\pm$ 0.048  $\chi^2$ /NDF: 4066.9/17

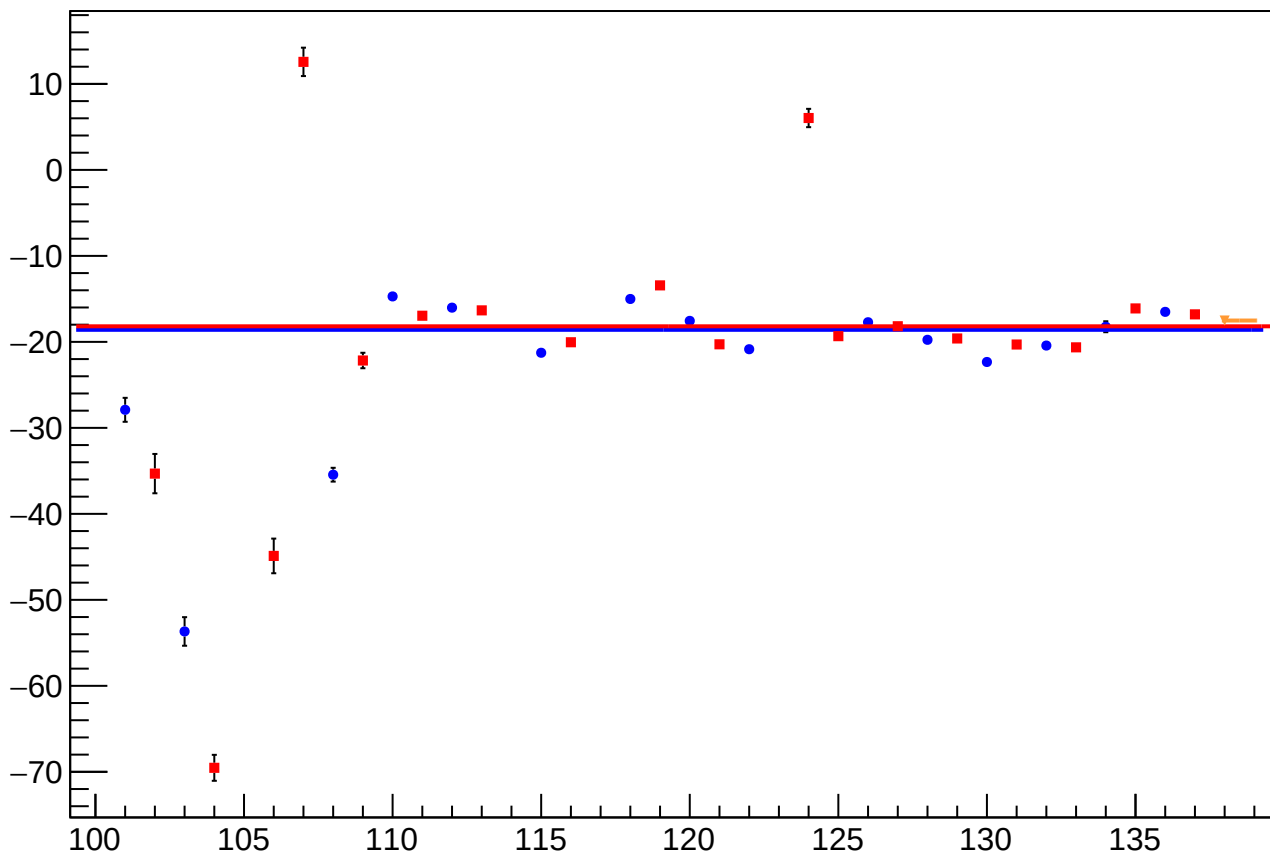
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 11.530 $\pm$ 0.034  $\chi^2$ /NDF: 2569.0/15

All: 10.858 $\pm$ 0.028  $\chi^2$ /NDF: 7796.2/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4eY\_slope vs Slug



Right In:  $-18.597 \pm 0.037$   $\chi^2/\text{NDF}$ : 6189.1/14

Left Out:  $-17.518 \pm 0.120$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-18.189 \pm 0.049$   $\chi^2/\text{NDF}$ : 4881.1/17

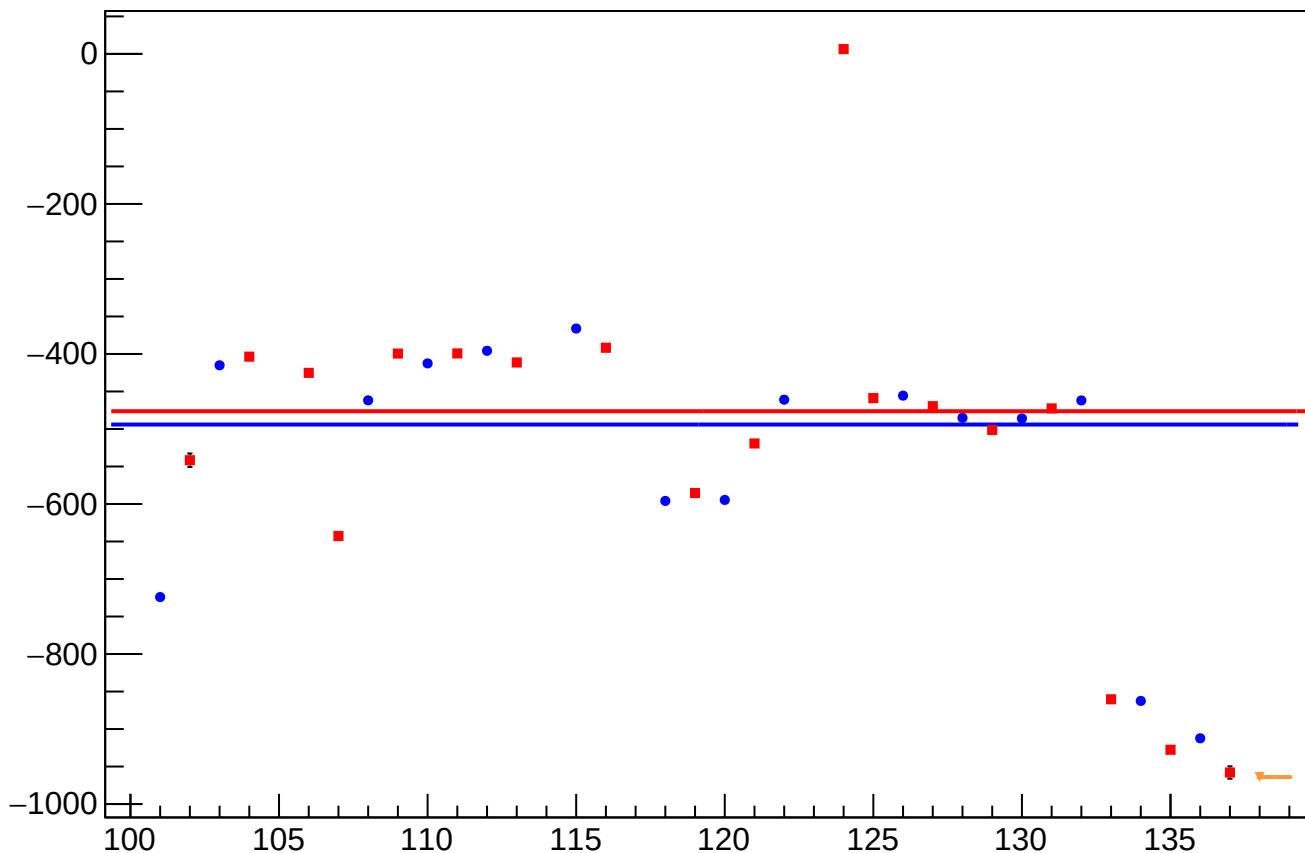
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-18.502 \pm 0.036$   $\chi^2/\text{NDF}$ : 6262.9/15

All:  $-18.396 \pm 0.029$   $\chi^2/\text{NDF}$ : 11170.4/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_4aX\_slope vs Slug



Right In:  $-494.081 \pm 0.232$   $\chi^2/\text{NDF}$ : 325996.5/14

Left Out:  $-964.003 \pm 5.002$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-476.348 \pm 0.185$   $\chi^2/\text{NDF}$ : 594116.3/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

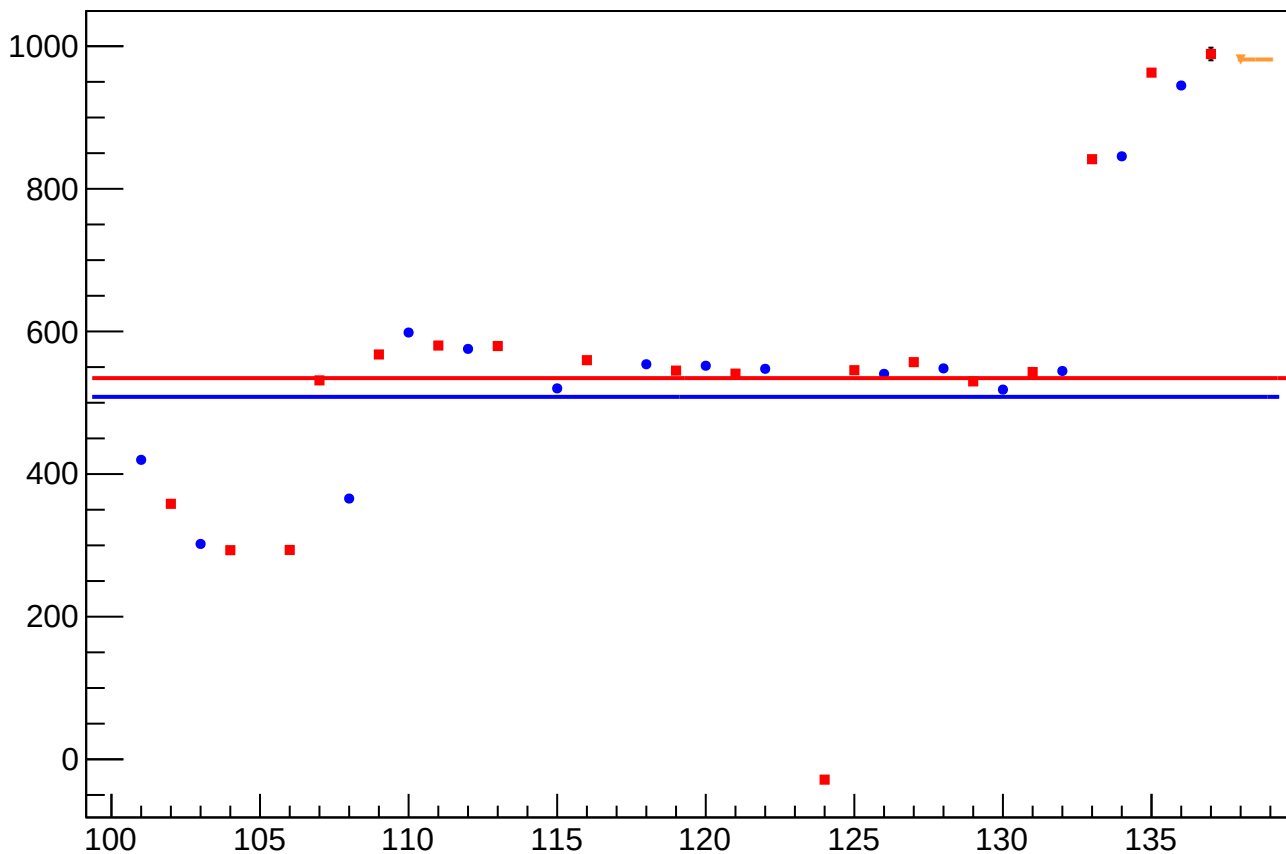
+ sign  $-495.090 \pm 0.232$   $\chi^2/\text{NDF}$ : 334802.8/15

All:  $-483.645 \pm 0.145$   $\chi^2/\text{NDF}$ : 932909.5/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# dit\_atl2\_4eX\_slope vs Slug



Right In: 508.267+/-0.222  $\chi^2/\text{NDF}$ : 439489.9/14

Left Out: 981.370+/-5.576  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 534.536+/-0.217  $\chi^2/\text{NDF}$ : 368263.1/17

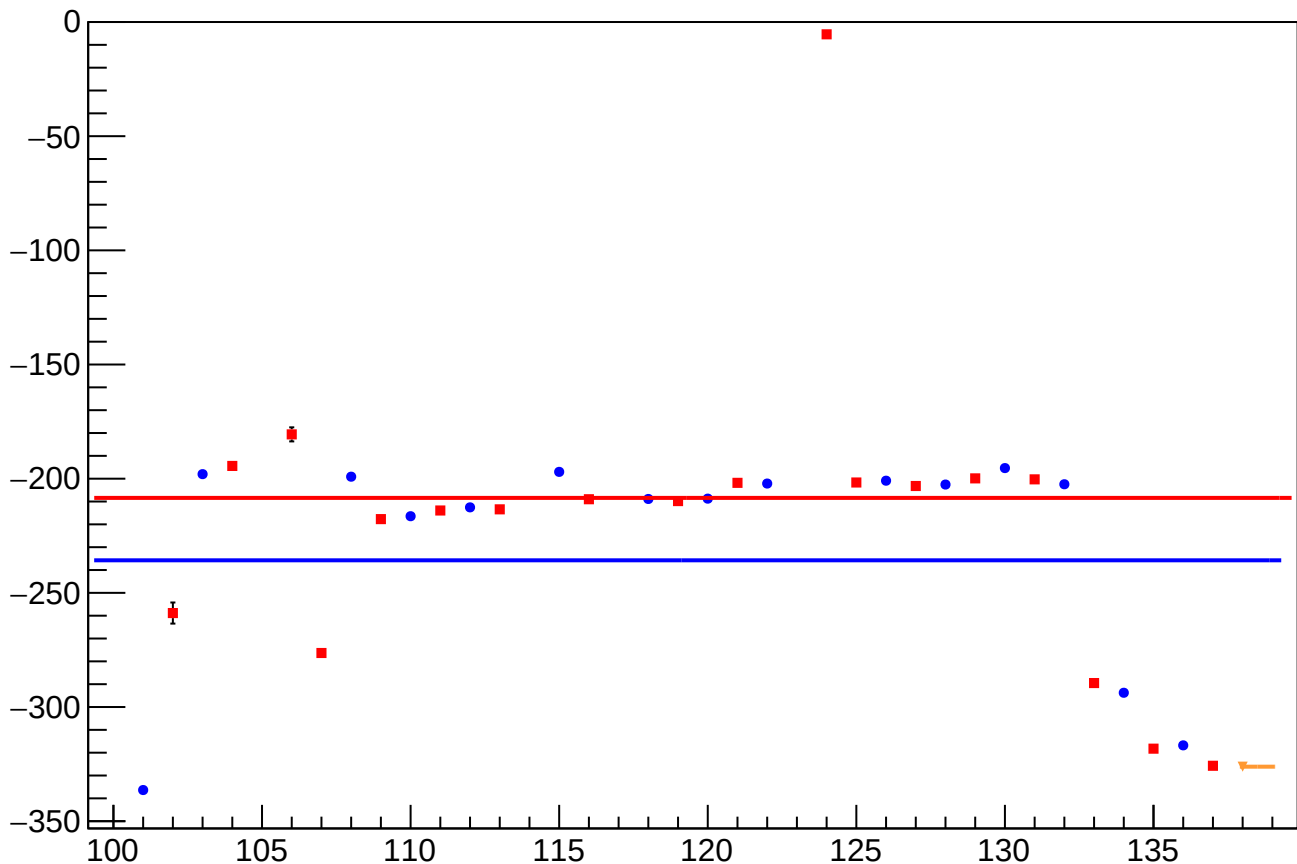
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 509.014+/-0.221  $\chi^2/\text{NDF}$ : 446678.2/15

All: 522.027+/-0.155  $\chi^2/\text{NDF}$ : 821711.1/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_11X12X\_slope vs Slug



Right In: -235.748+/-0.055  $\chi^2/\text{NDF}$ : 876219.5/14

Left Out: -326.127+/-1.730  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -208.413+/-0.047  $\chi^2/\text{NDF}$ : 375009.3/17

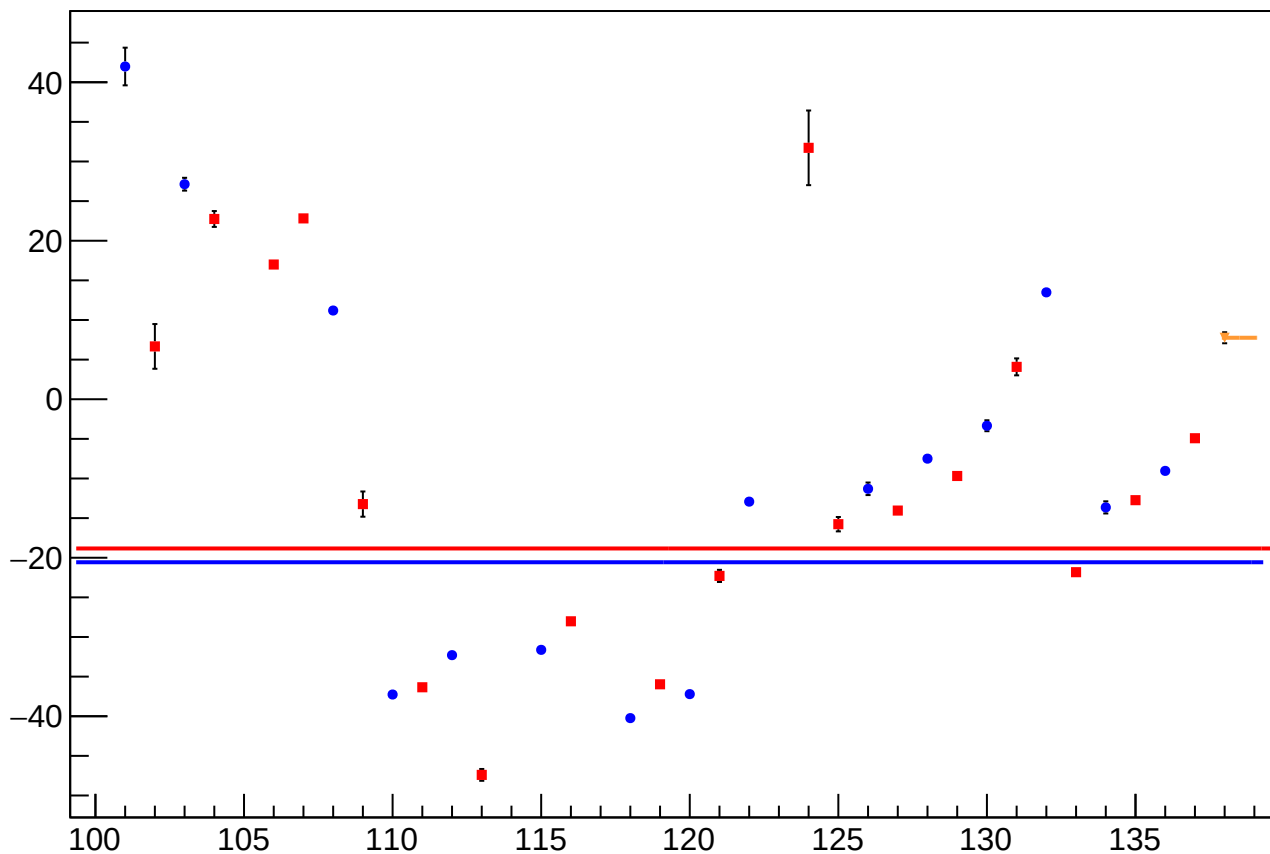
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -235.841+/-0.055  $\chi^2/\text{NDF}$ : 878947.4/15

All: -219.868+/-0.036  $\chi^2/\text{NDF}$ : 1397754.4/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_4aY\_slope vs Slug



Right In:  $-20.569 \pm 0.071$   $\chi^2/\text{NDF}$ : 63404.0/14

Left Out:  $7.758 \pm 0.696$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-18.831 \pm 0.108$   $\chi^2/\text{NDF}$ : 20855.1/17

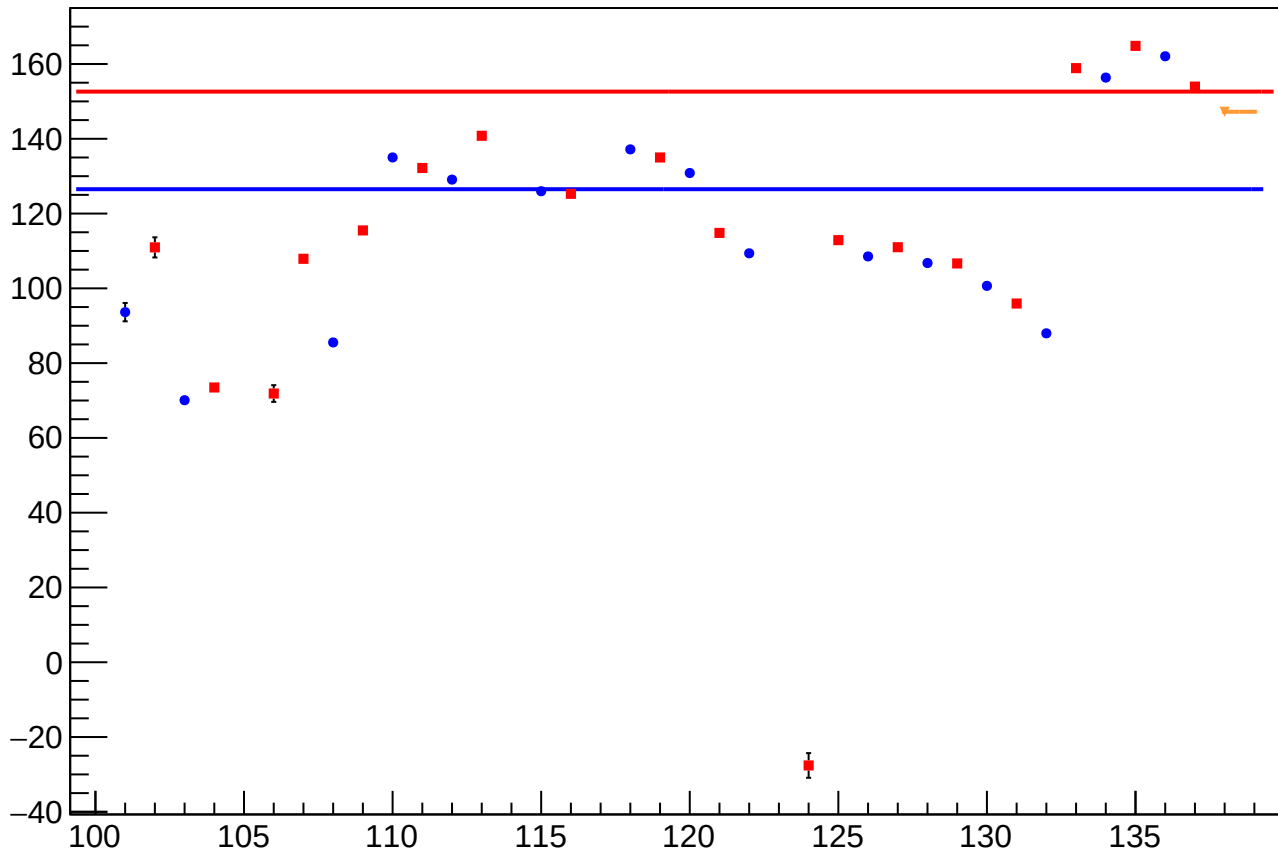
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-20.275 \pm 0.071$   $\chi^2/\text{NDF}$ : 65043.2/15

All:  $-19.839 \pm 0.059$   $\chi^2/\text{NDF}$ : 86023.2/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_4eY\_slope vs Slug



Right In: 126.517 $\pm$ 0.084  $\chi^2$ /NDF: 114967.3/14

Left Out: 147.231 $\pm$ 0.577  $\chi^2$ /NDF: 0.0/0

Right Out: 152.620 $\pm$ 0.030  $\chi^2$ /NDF: 74022.9/17

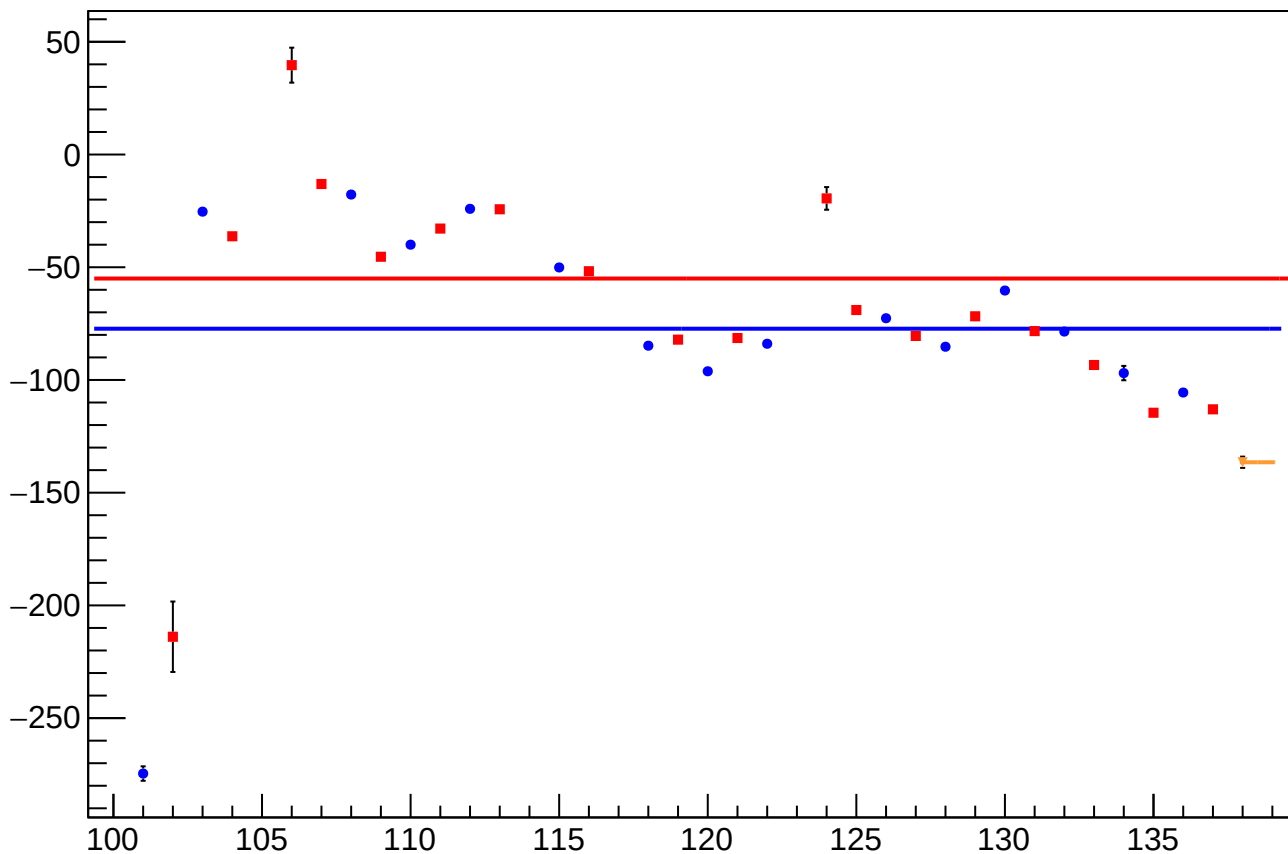
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 126.947 $\pm$ 0.083  $\chi^2$ /NDF: 116227.9/15

All: 149.599 $\pm$ 0.029  $\chi^2$ /NDF: 274421.8/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_4aX\_slope vs Slug



Right In:  $-77.260 \pm 0.146$   $\chi^2/\text{NDF}$ : 30356.0/14

Left Out:  $-136.504 \pm 2.498$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-55.005 \pm 0.190$   $\chi^2/\text{NDF}$ : 23629.0/17

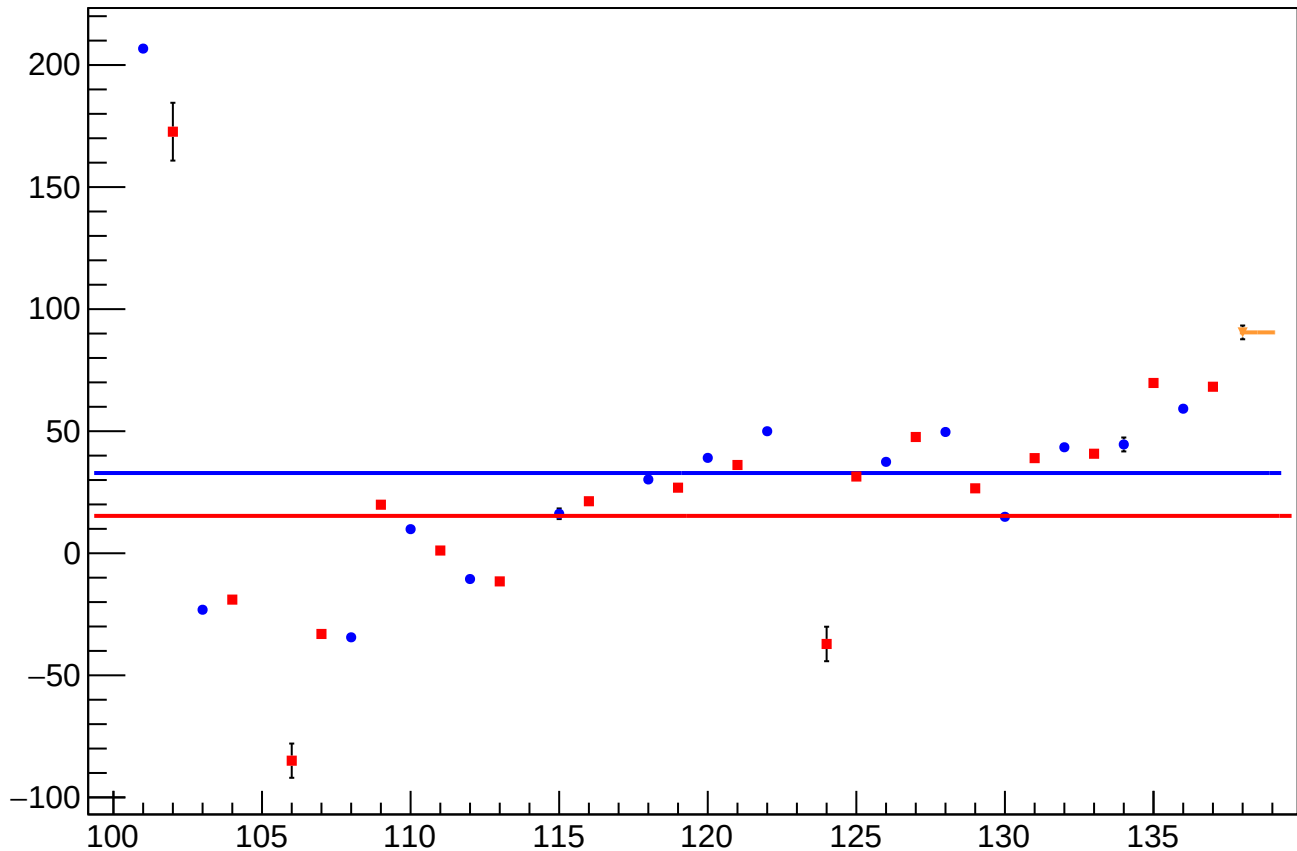
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-77.463 \pm 0.146$   $\chi^2/\text{NDF}$ : 30916.4/15

All:  $-69.125 \pm 0.116$   $\chi^2/\text{NDF}$ : 63305.2/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_4eX\_slope vs Slug



Right In: 32.869+/-0.146  $\chi^2/\text{NDF}$ : 31393.7/14

Left Out: 90.476+/-2.817  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 15.309+/-0.210  $\chi^2/\text{NDF}$ : 16746.0/17

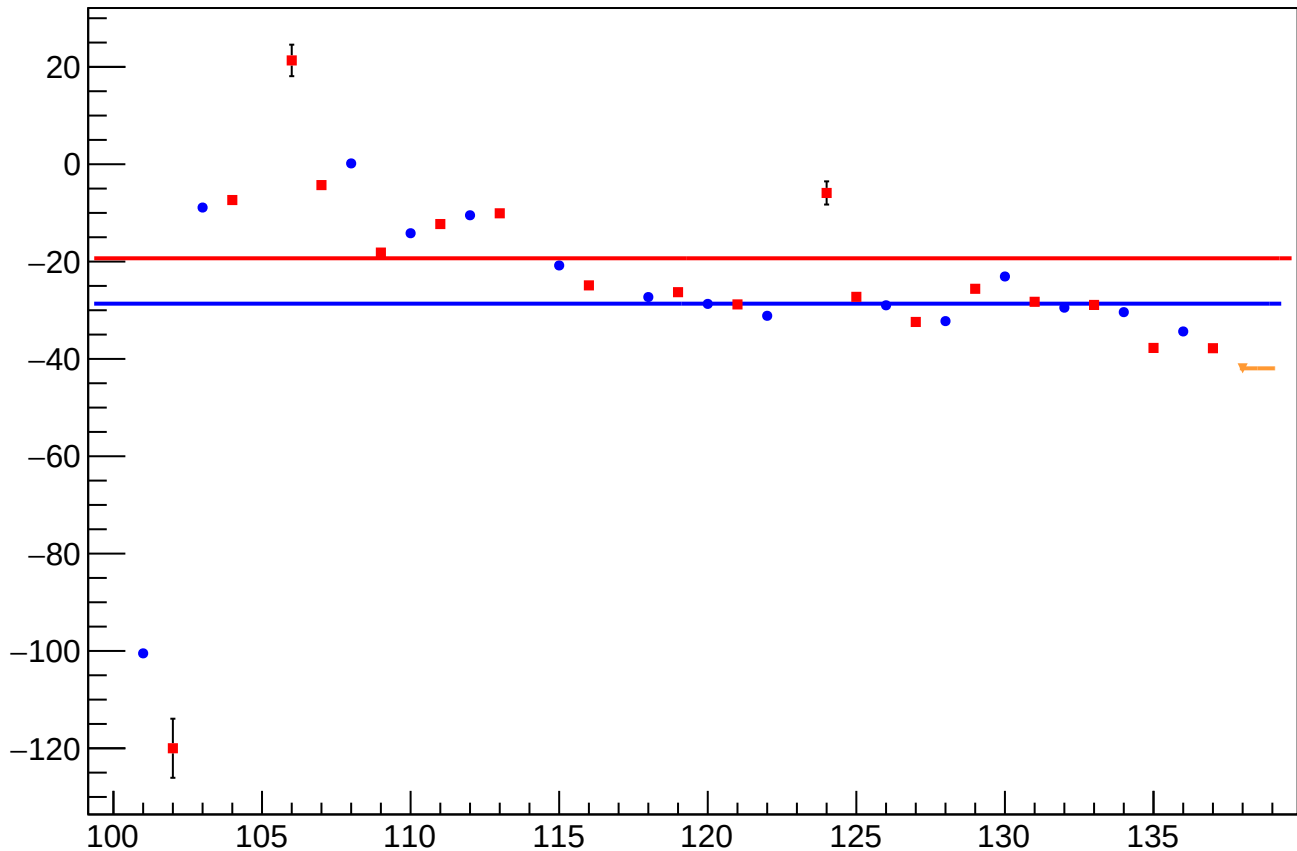
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 33.023+/-0.146  $\chi^2/\text{NDF}$ : 31810.9/15

All: 27.248+/-0.120  $\chi^2/\text{NDF}$ : 53367.7/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_11X12X\_slope vs Slug



Right In:  $-28.648 \pm 0.034$   $\chi^2/\text{NDF}$ : 113441.9/14

Left Out:  $-41.936 \pm 0.877$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-19.325 \pm 0.039$   $\chi^2/\text{NDF}$ : 56579.1/17

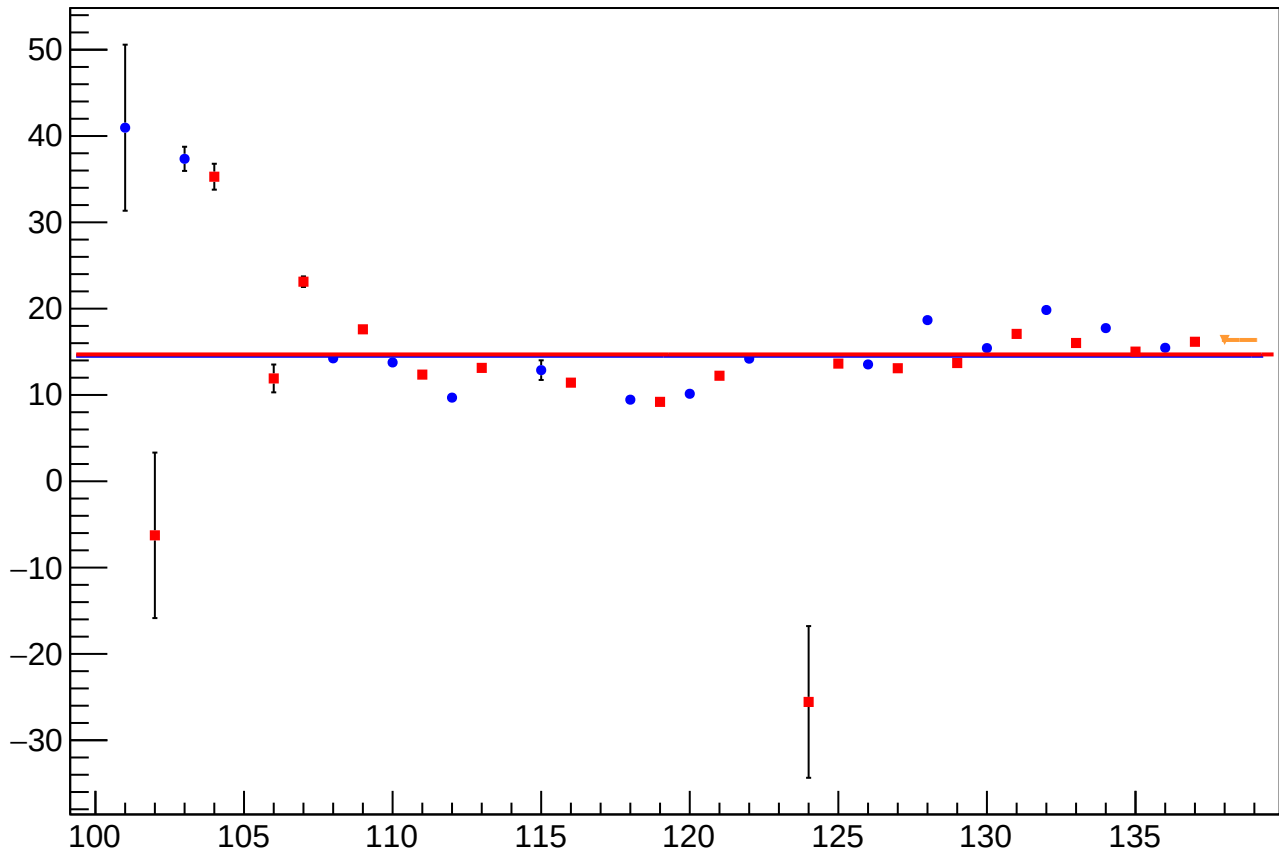
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-28.668 \pm 0.034$   $\chi^2/\text{NDF}$ : 113670.9/15

All:  $-24.642 \pm 0.026$   $\chi^2/\text{NDF}$ : 202332.8/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_4aY\_slope vs Slug



Right In: 14.539+/-0.030  $\chi^2/\text{NDF}$ : 12071.8/14

Left Out: 16.372+/-0.207  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.695+/-0.044  $\chi^2/\text{NDF}$ : 1633.0/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

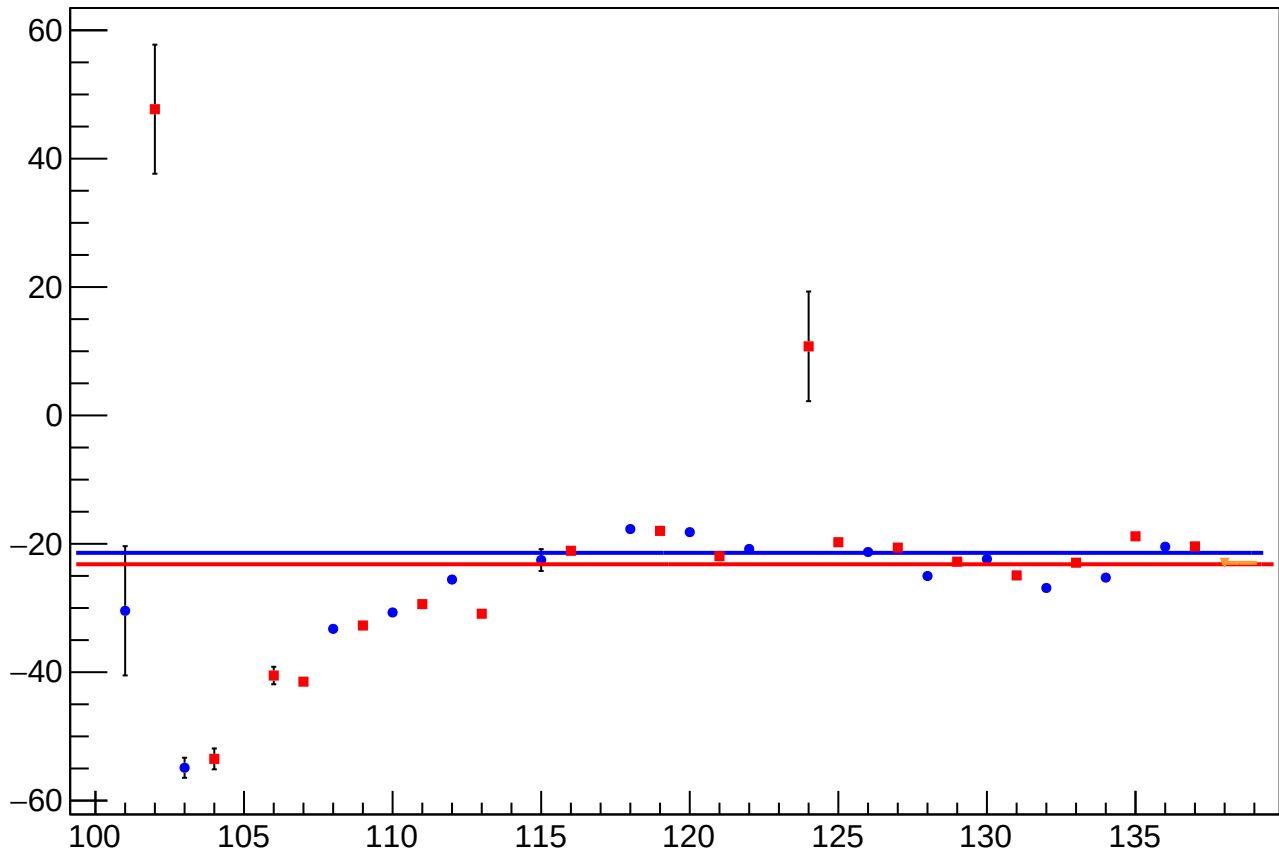
+ sign 14.576+/-0.029  $\chi^2/\text{NDF}$ : 12148.5/15

All: 14.614+/-0.024  $\chi^2/\text{NDF}$ : 13786.5/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_atr1\_4eY\_slope vs Slug



Right In:  $-21.406 \pm 0.036$   $\chi^2/\text{NDF}: 9686.6/14$

Left Out:  $-22.959 \pm 0.245$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-23.186 \pm 0.051$   $\chi^2/\text{NDF}: 9126.8/17$

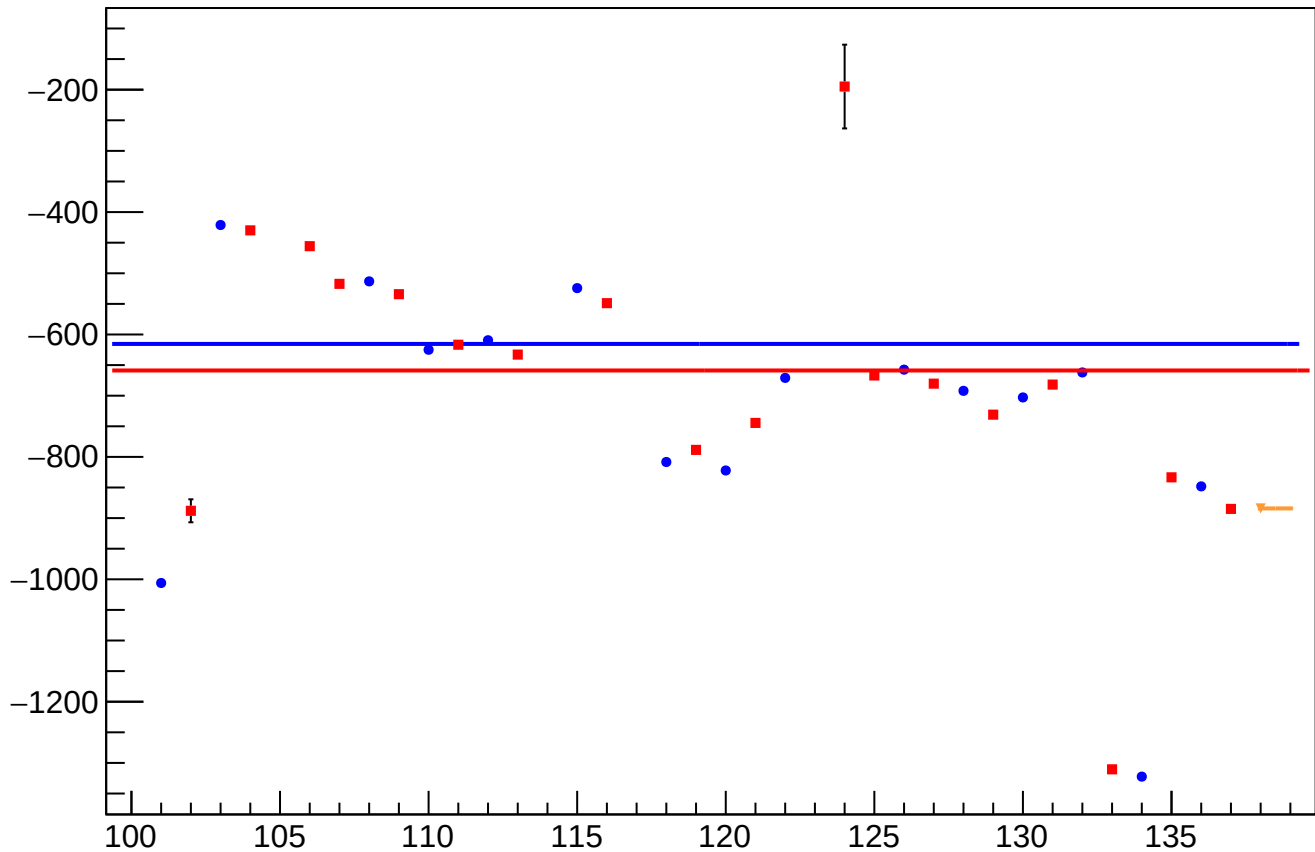
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-21.438 \pm 0.035$   $\chi^2/\text{NDF}: 9726.0/15$

All:  $-22.001 \pm 0.029$   $\chi^2/\text{NDF}: 19646.0/33$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_atr2\_4aX\_slope vs Slug



Right In: -615.419+/-0.238  $\chi^2/\text{NDF}$ : 382819.1/14

Left Out: -884.180+/-3.358  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -658.787+/-0.256  $\chi^2/\text{NDF}$ : 385262.6/17

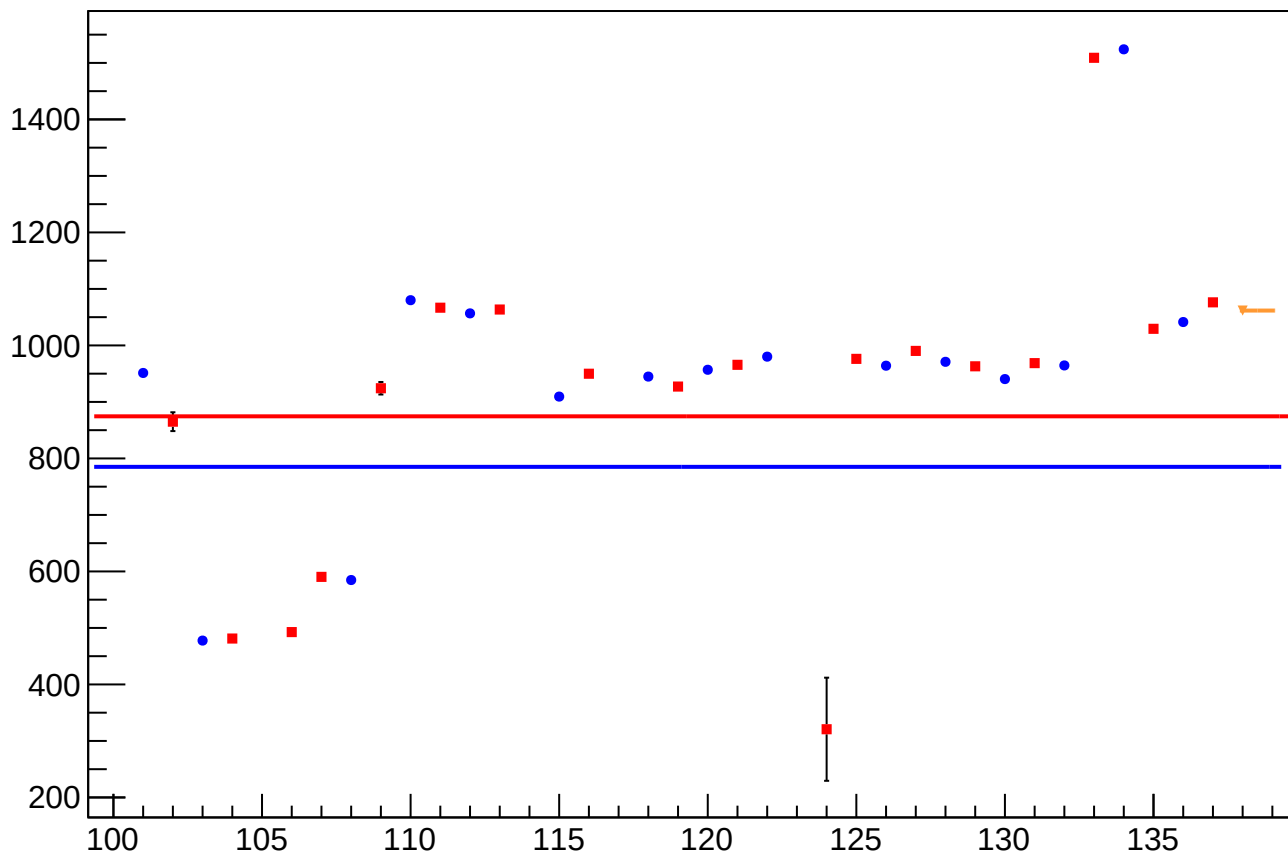
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -616.758+/-0.237  $\chi^2/\text{NDF}$ : 389193.8/15

All: -636.132+/-0.174  $\chi^2/\text{NDF}$ : 788952.2/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_4eX\_slope vs Slug



Right In: 785.095+/-0.228  $\chi^2/\text{NDF}$ : 886147.1/14

Left Out: 1061.705+/-3.714  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 874.516+/-0.261  $\chi^2/\text{NDF}$ : 842565.5/17

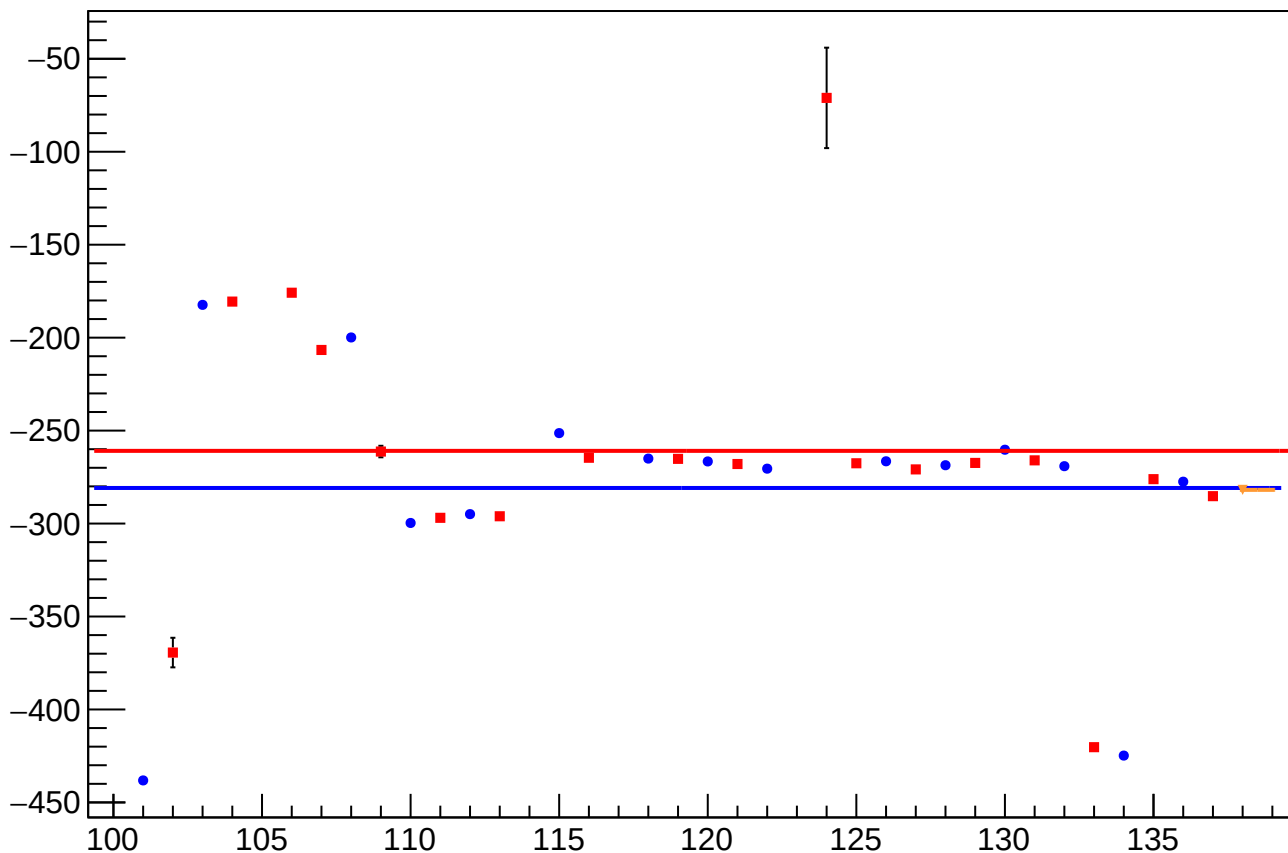
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 786.134+/-0.228  $\chi^2/\text{NDF}$ : 891674.4/15

All: 824.270+/-0.172  $\chi^2/\text{NDF}$ : 1799299.1/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_11X12X\_slope vs Slug



Right In:  $-280.856 \pm 0.059$   $\chi^2/\text{NDF}: 873611.1/14$

Left Out:  $-281.878 \pm 1.119$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-260.897 \pm 0.068$   $\chi^2/\text{NDF}: 347717.5/17$

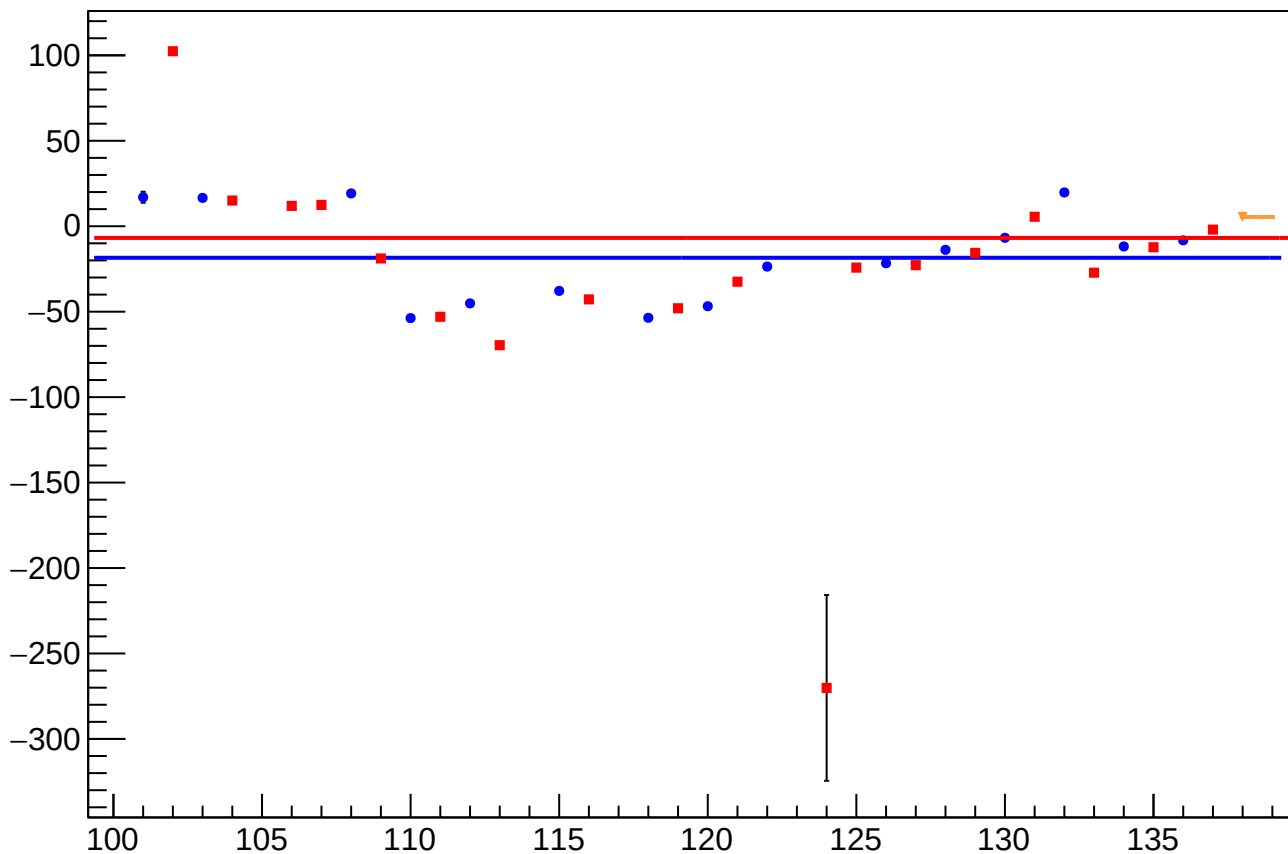
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-280.858 \pm 0.058$   $\chi^2/\text{NDF}: 873611.9/15$

All:  $-272.313 \pm 0.044$   $\chi^2/\text{NDF}: 1271258.5/33$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_atr2\_4aY\_slope vs Slug



Right In:  $-18.452 \pm 0.091$   $\chi^2/\text{NDF}: 46574.6/14$

Left Out:  $5.415 \pm 0.616$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-6.843 \pm 0.065$   $\chi^2/\text{NDF}: 50023.0/17$

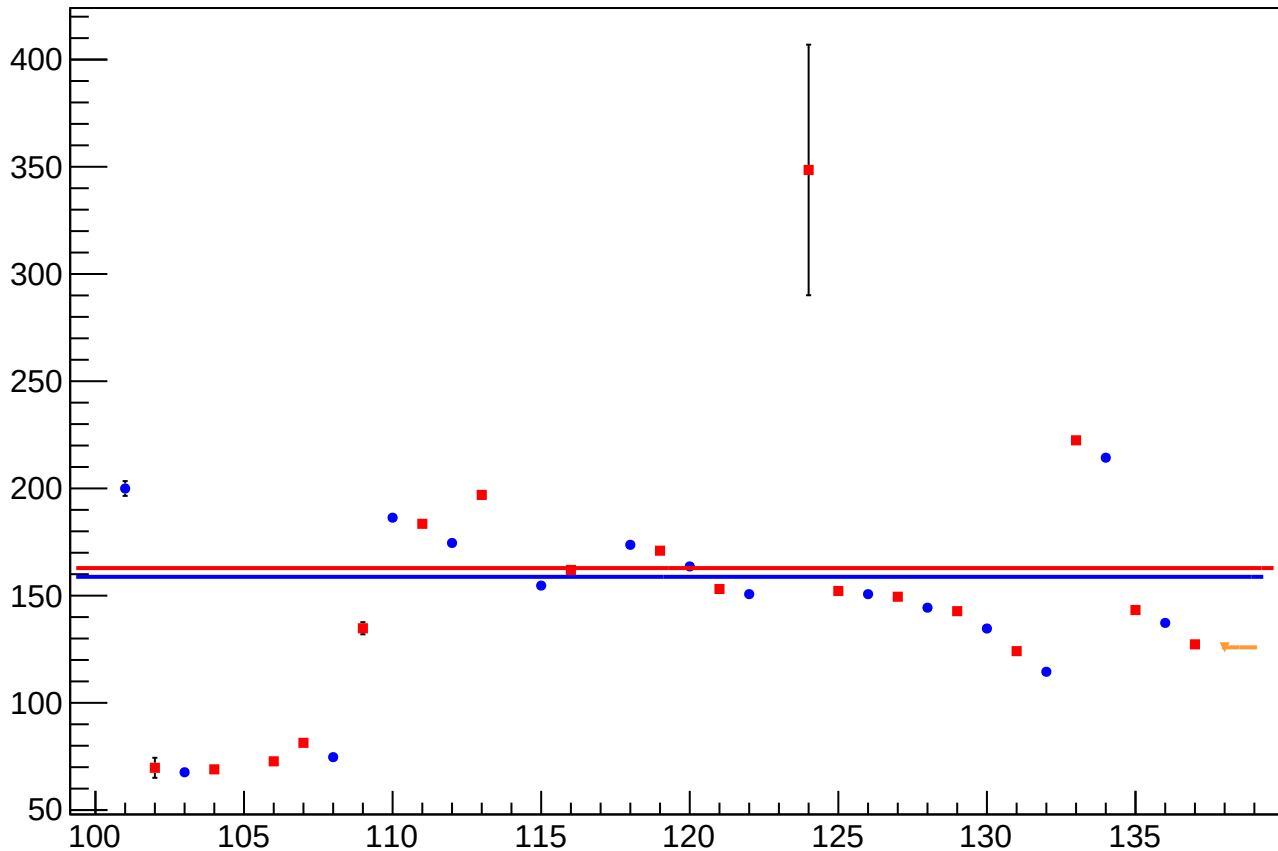
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-17.939 \pm 0.090$   $\chi^2/\text{NDF}: 48043.0/15$

All:  $-10.598 \pm 0.053$   $\chi^2/\text{NDF}: 108058.9/33$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

dit\_atr2\_4eY\_slope vs Slug



Right In: 158.772 $\pm$ 0.088  $\chi^2$ /NDF: 159016.5/14

Left Out: 125.894 $\pm$ 0.462  $\chi^2$ /NDF: 0.0/0

Right Out: 162.856 $\pm$ 0.093  $\chi^2$ /NDF: 156176.8/17

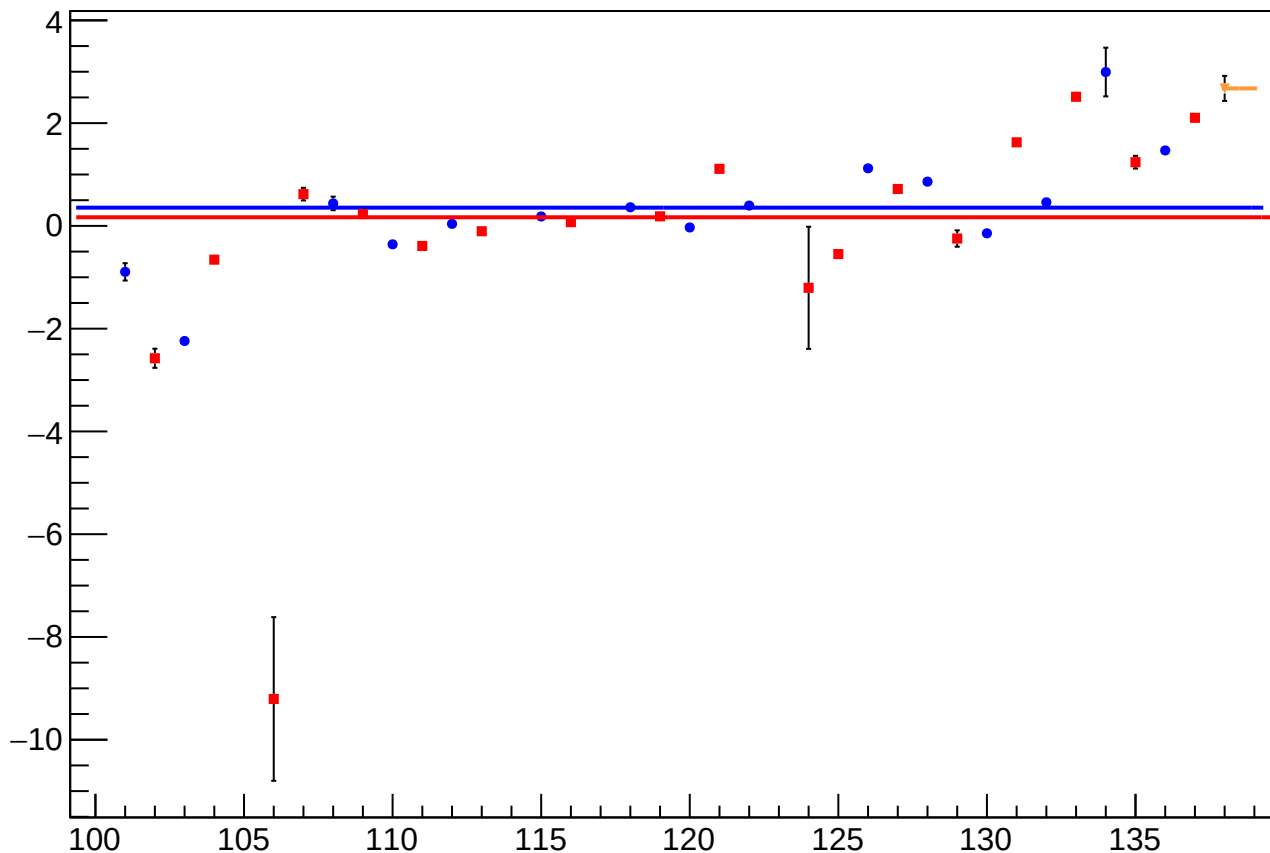
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 157.612 $\pm$ 0.087  $\chi^2$ /NDF: 163907.4/15

All: 160.044 $\pm$ 0.064  $\chi^2$ /NDF: 321779.4/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_4aX\_slope vs Slug



Right In:  $0.355 \pm 0.012$   $\chi^2/\text{NDF}$ : 4011.3/14

Left Out:  $2.676 \pm 0.244$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.168 \pm 0.008$   $\chi^2/\text{NDF}$ : 4588.1/17

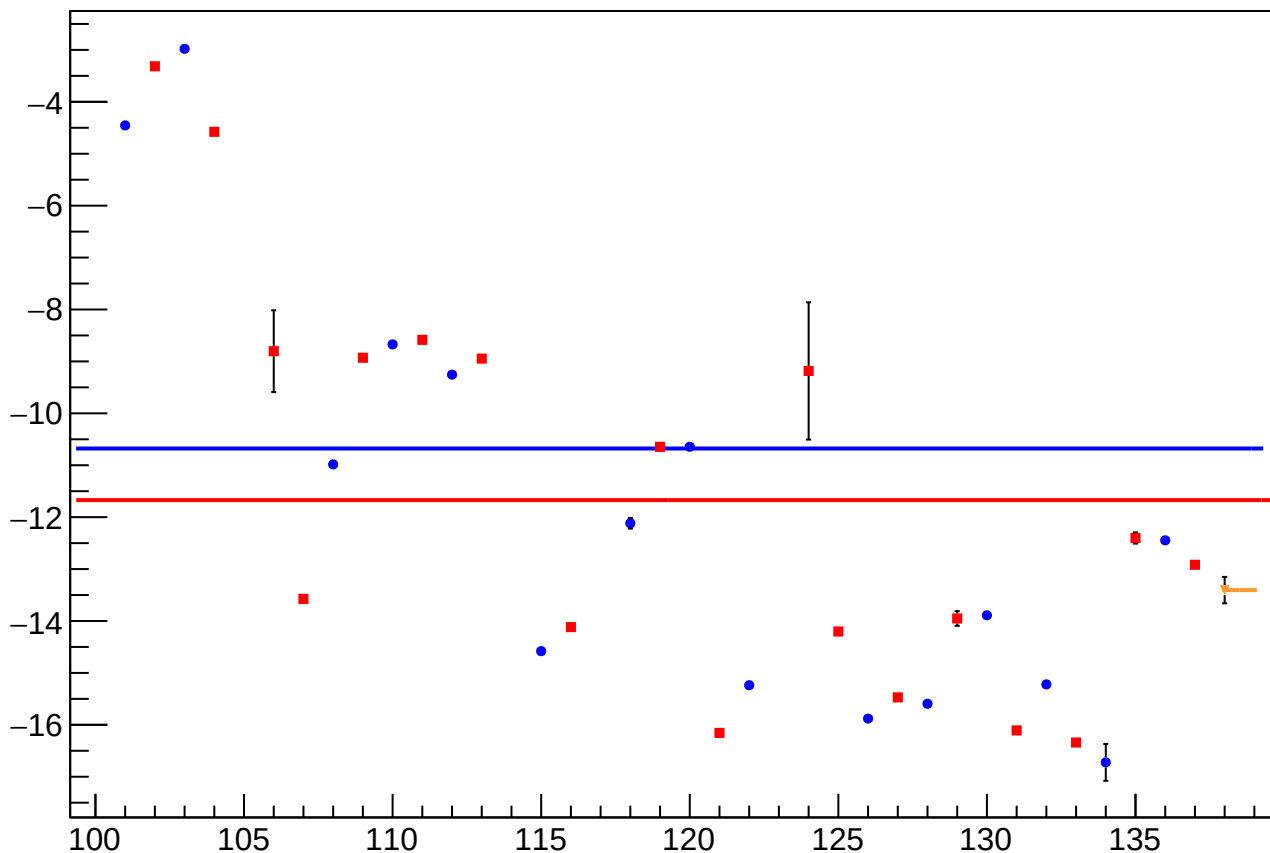
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.360 \pm 0.012$   $\chi^2/\text{NDF}$ : 4101.7/15

All:  $0.225 \pm 0.006$   $\chi^2/\text{NDF}$ : 8878.4/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_4eX\_slope vs Slug



Right In:  $-10.678 \pm 0.010$   $\chi^2/\text{NDF}: 226791.0/14$

Left Out:  $-13.405 \pm 0.254$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-11.672 \pm 0.012$   $\chi^2/\text{NDF}: 107844.6/17$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

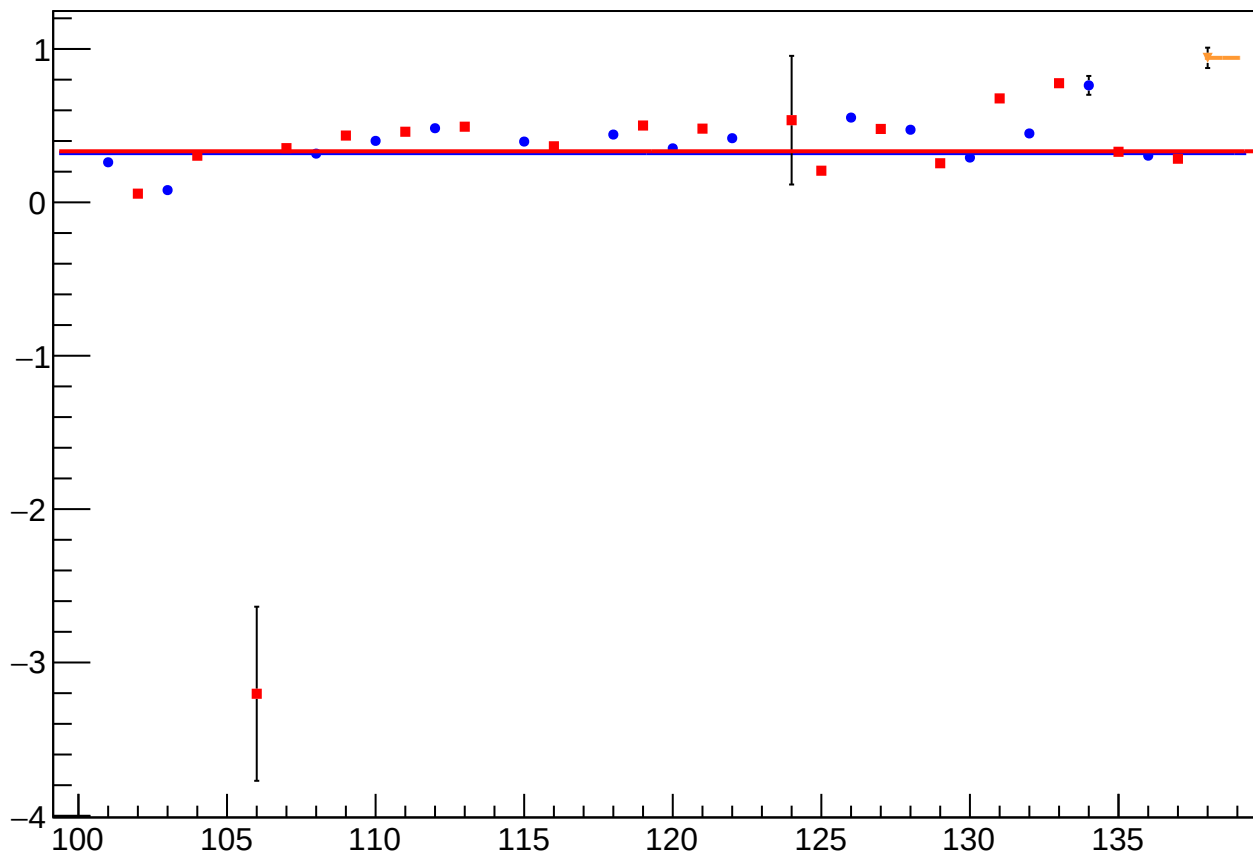
+ sign  $-10.682 \pm 0.010$   $\chi^2/\text{NDF}: 226906.2/15$

All:  $-11.115 \pm 0.008$   $\chi^2/\text{NDF}: 338816.5/33$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# dit\_sam1\_11X12X\_slope vs Slug



Right In: 0.321 $\pm$ 0.001  $\chi^2$ /NDF: 4017.7/14

Left Out: 0.942 $\pm$ 0.066  $\chi^2$ /NDF: 0.0/0

Right Out: 0.333 $\pm$ 0.001  $\chi^2$ /NDF: 4170.0/17

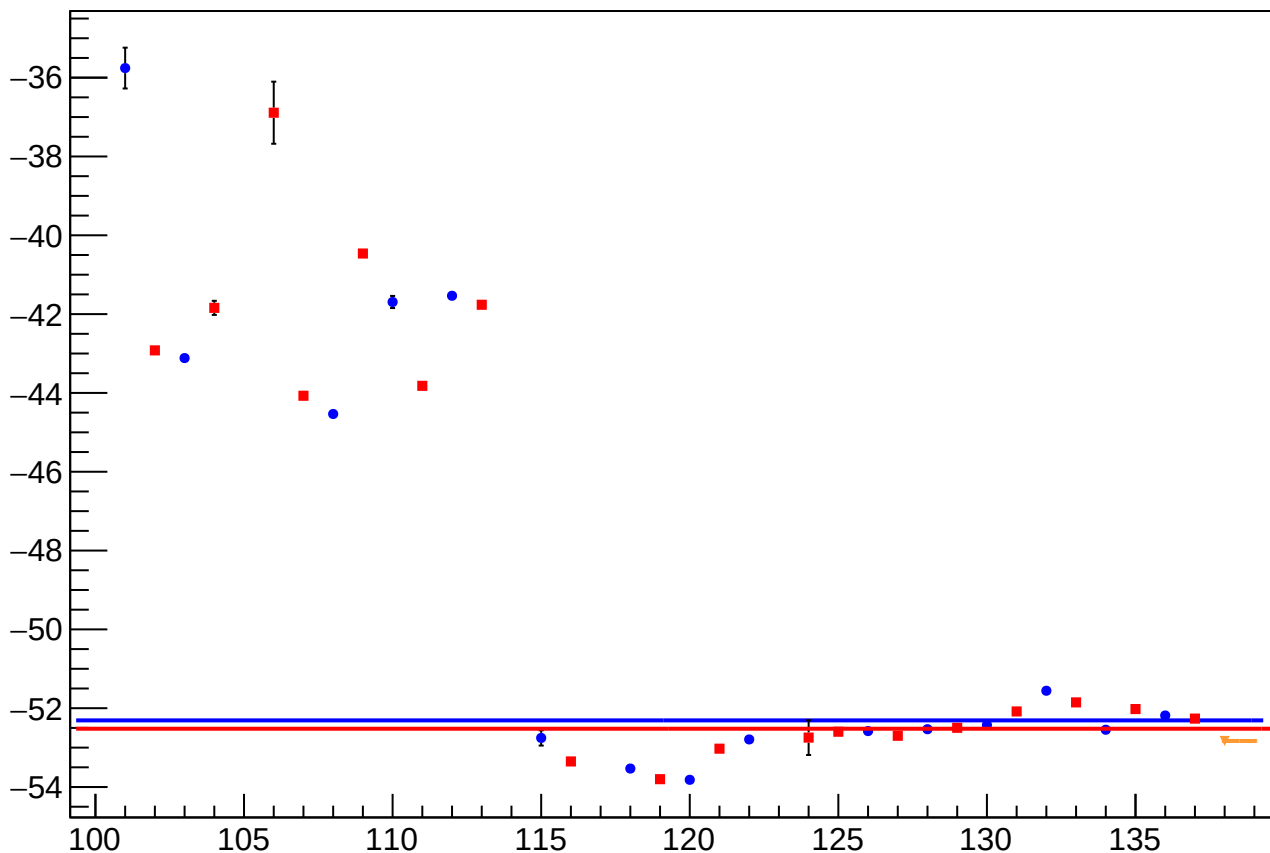
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.321 $\pm$ 0.001  $\chi^2$ /NDF: 4105.4/15

All: 0.325 $\pm$ 0.001  $\chi^2$ /NDF: 8334.2/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_4aY\_slope vs Slug



Right In:  $-52.309 \pm 0.004$   $\chi^2/\text{NDF}$ : 53459.2/14

Left Out:  $-52.832 \pm 0.010$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-52.521 \pm 0.005$   $\chi^2/\text{NDF}$ : 76616.3/17

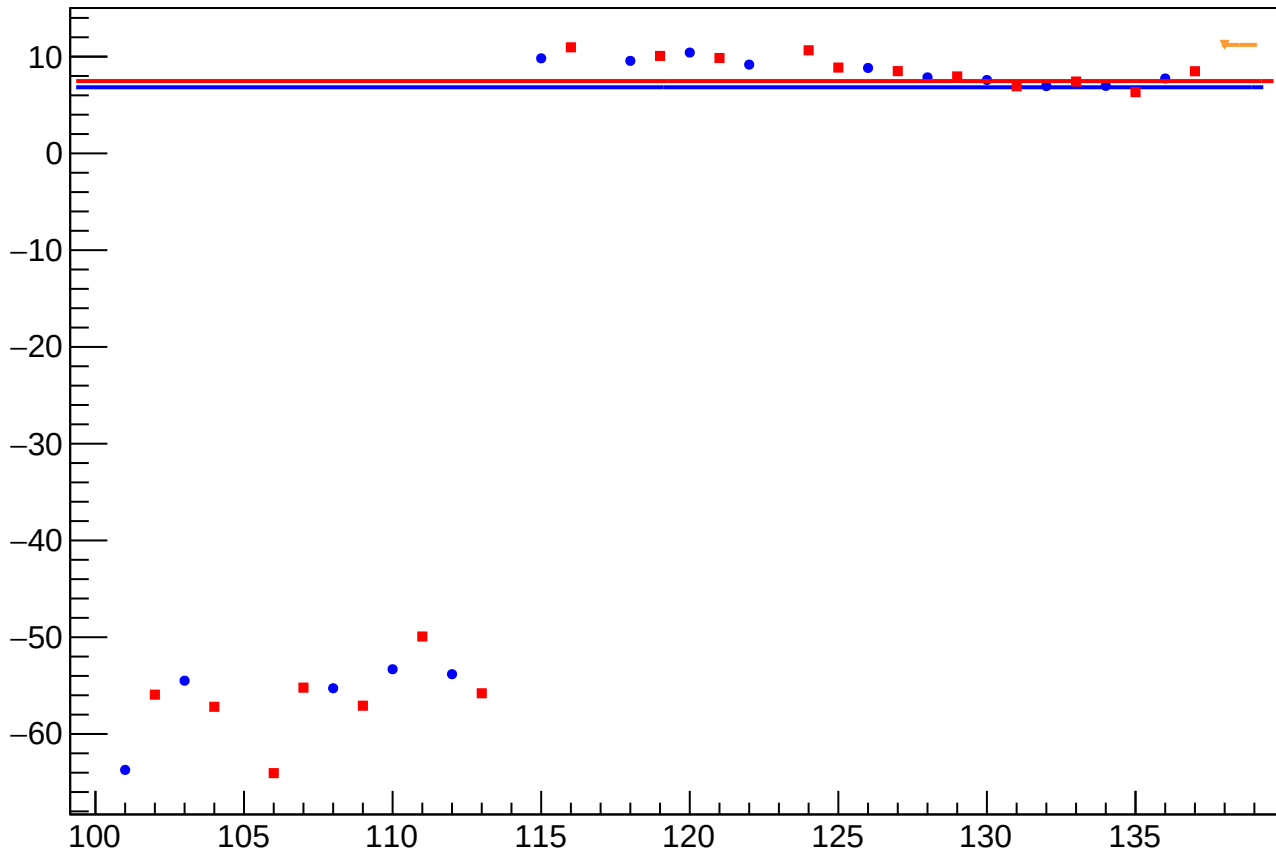
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-52.390 \pm 0.004$   $\chi^2/\text{NDF}$ : 55642.9/15

All:  $-52.447 \pm 0.003$   $\chi^2/\text{NDF}$ : 132710.7/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_4eY\_slope vs Slug



Right In: 6.834 $\pm$ 0.005  $\chi^2$ /NDF: 990576.4/14

Left Out: 11.214 $\pm$ 0.022  $\chi^2$ /NDF: 0.0/0

Right Out: 7.474 $\pm$ 0.009  $\chi^2$ /NDF: 1195498.7/17

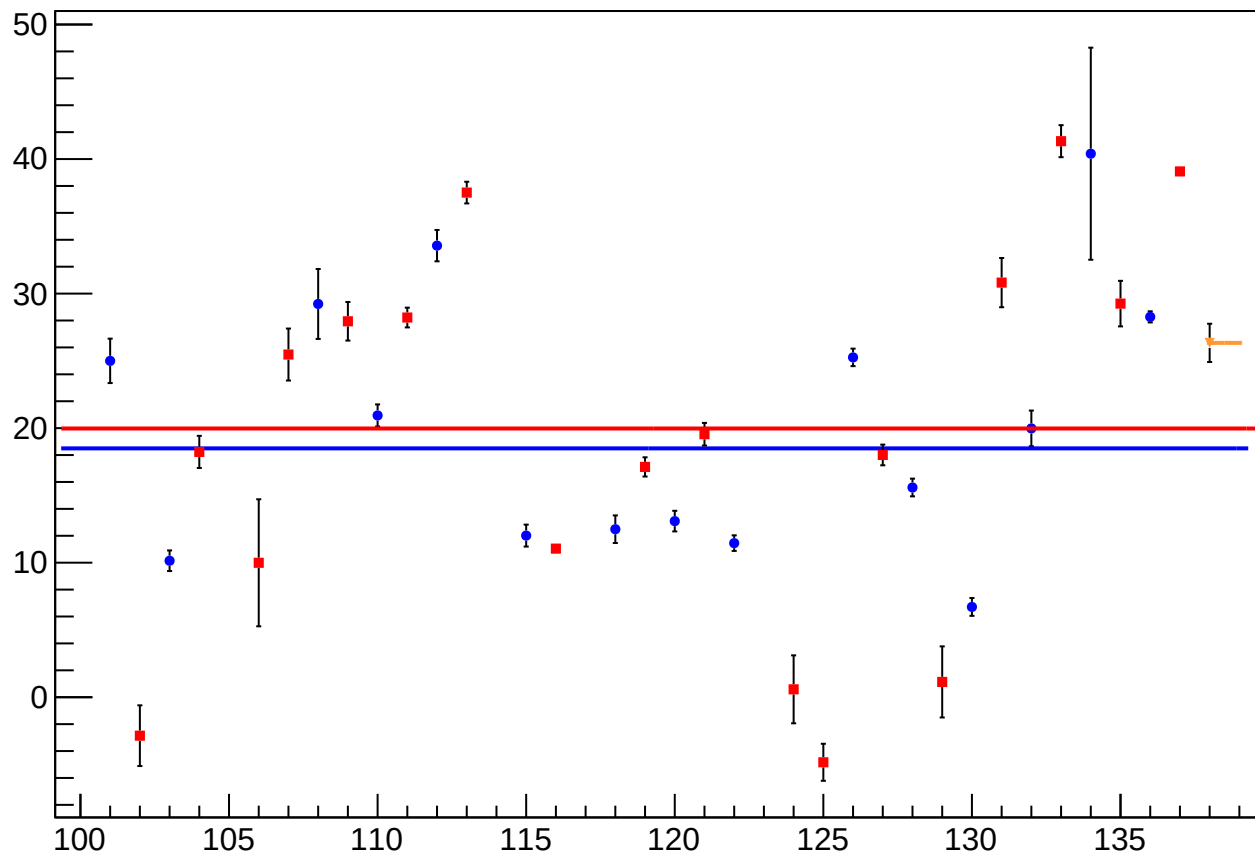
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 7.050 $\pm$ 0.005  $\chi^2$ /NDF: 1027448.5/15

All: 7.143 $\pm$ 0.004  $\chi^2$ /NDF: 2224573.9/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_4aX\_slope vs Slug



Right In: 18.496 $\pm$ 0.200  $\chi^2$ /NDF: 1636.7/14

Left Out: 26.337 $\pm$ 1.422  $\chi^2$ /NDF:0.0/0

Right Out: 19.974 $\pm$ 0.130  $\chi^2$ /NDF: 9201.3/17

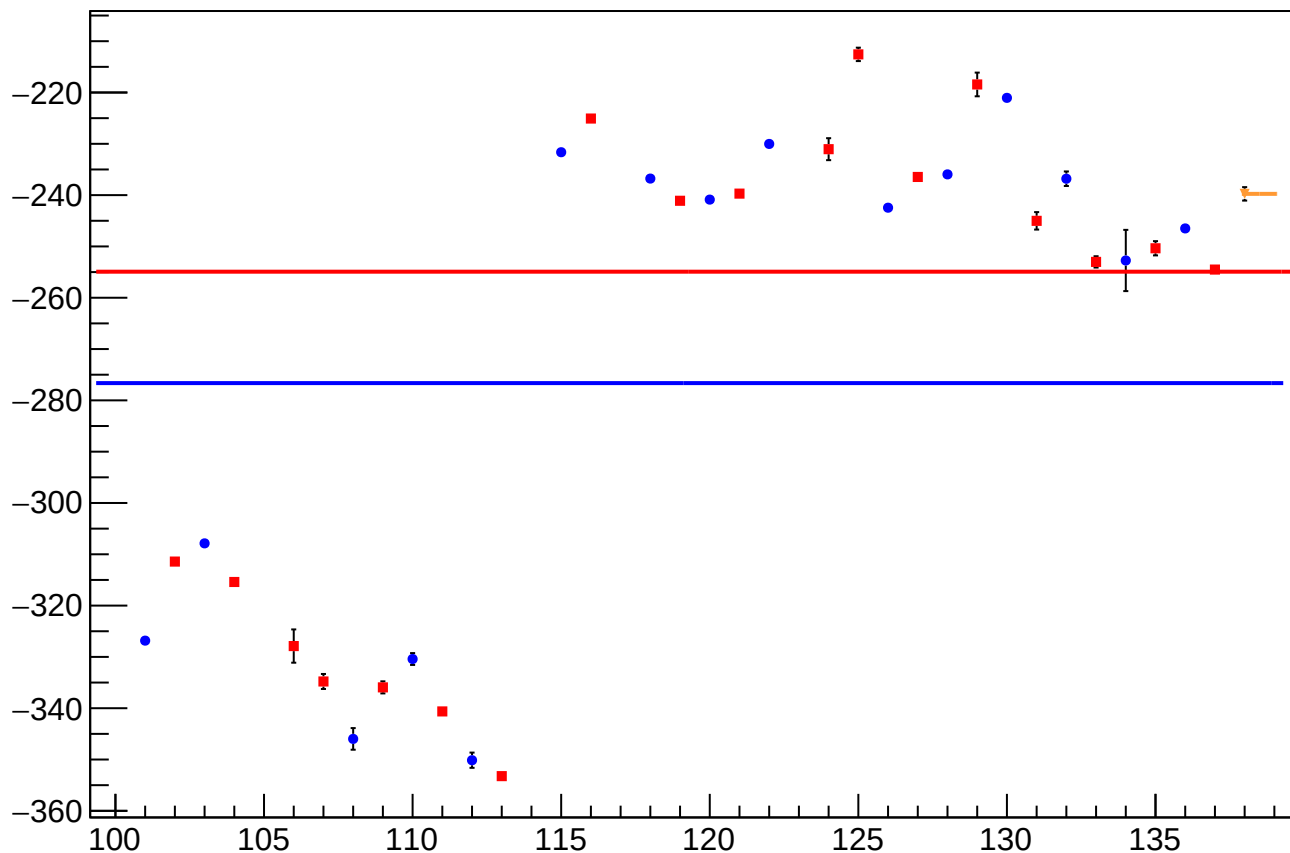
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 18.648 $\pm$ 0.198  $\chi^2$ /NDF: 1666.5/15

All: 19.574 $\pm$ 0.109  $\chi^2$ /NDF: 10899.1/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_4eX\_slope vs Slug



Right In:  $-276.636 \pm 0.148$   $\chi^2/\text{NDF}: 77119.6/14$

Left Out:  $-239.754 \pm 1.312$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-254.921 \pm 0.071$   $\chi^2/\text{NDF}: 71945.8/17$

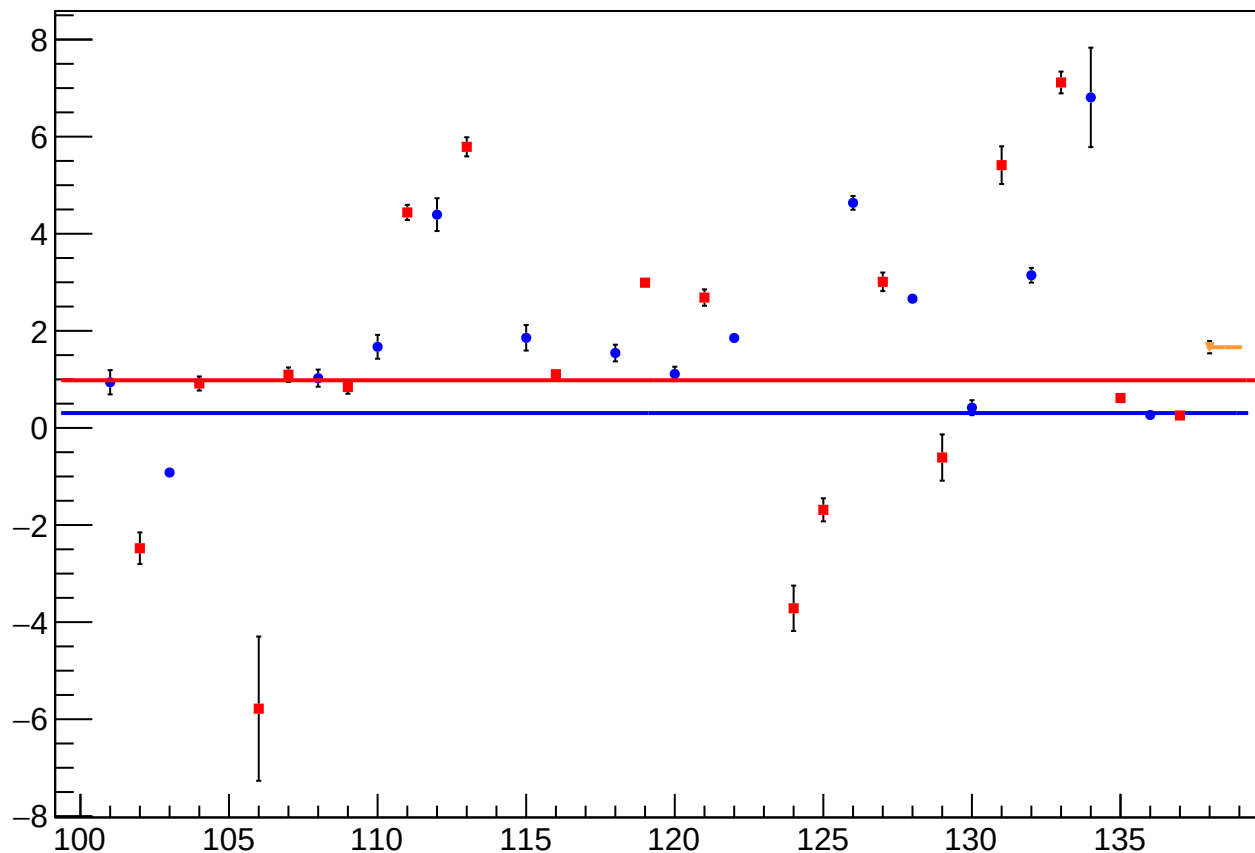
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-276.175 \pm 0.147$   $\chi^2/\text{NDF}: 77900.0/15$

All:  $-258.979 \pm 0.064$   $\chi^2/\text{NDF}: 166847.6/33$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam2\_11X12X\_slope vs Slug



Right In:  $0.307 \pm 0.007$   $\chi^2/\text{NDF}: 2787.0/14$

Left Out:  $1.663 \pm 0.127$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.982 \pm 0.015$   $\chi^2/\text{NDF}: 3374.7/17$

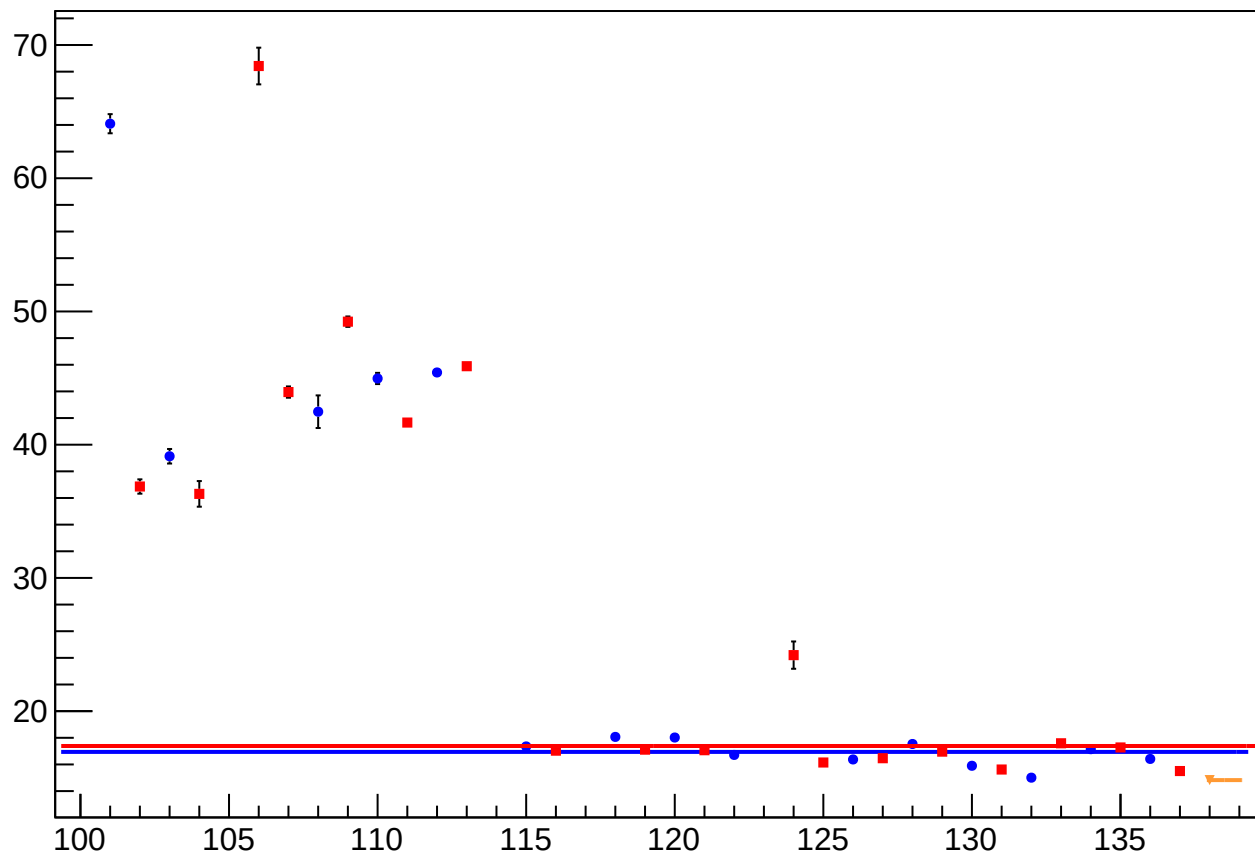
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.310 \pm 0.007$   $\chi^2/\text{NDF}: 2900.5/15$

All:  $0.424 \pm 0.006$   $\chi^2/\text{NDF}: 8014.3/33$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam2\_4aY\_slope vs Slug



Right In: 16.941+/-0.013  $\chi^2$ /NDF: 29019.8/14

Left Out: 14.825+/-0.052  $\chi^2$ /NDF:0.0/0

Right Out: 17.385+/-0.018  $\chi^2$ /NDF: 61131.5/17

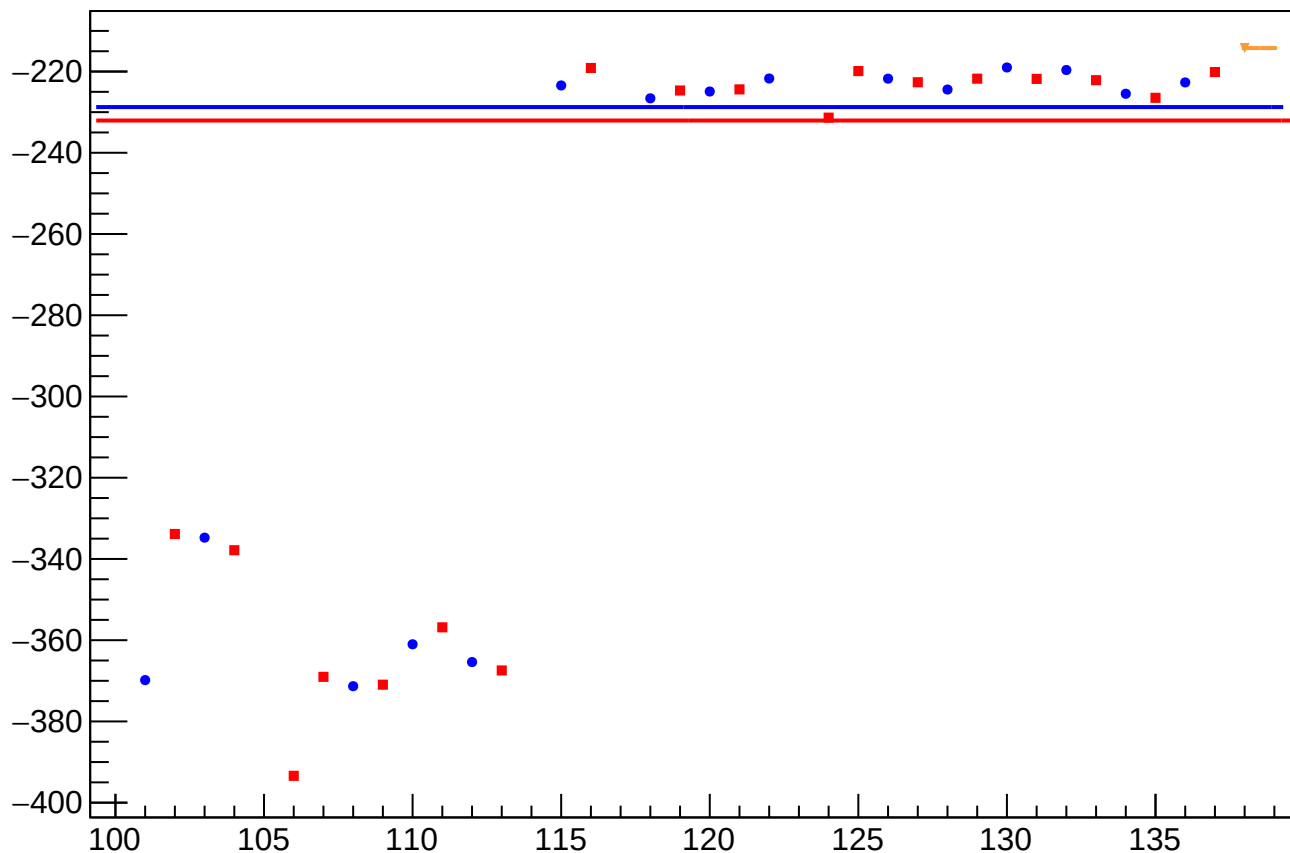
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 16.820+/-0.012  $\chi^2$ /NDF: 30571.2/15

All: 17.009+/-0.010  $\chi^2$ /NDF: 92389.6/33

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_4eY\_slope vs Slug



Right In: -228.749+/-0.035  $\chi^2/\text{NDF}$ : 657578.5/14

Left Out: -214.220+/-0.095  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -232.058+/-0.041  $\chi^2/\text{NDF}$ : 791526.5/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

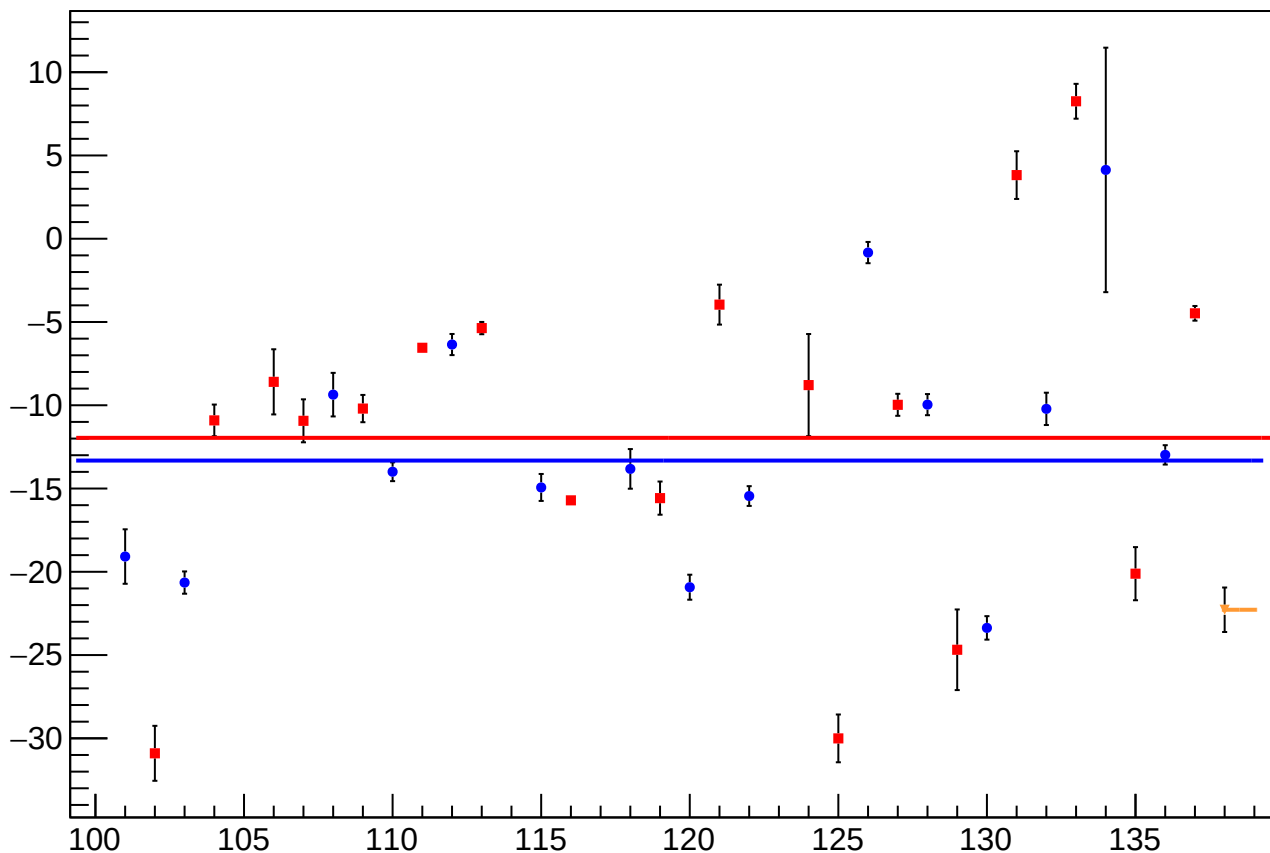
+ sign -227.031+/-0.033  $\chi^2/\text{NDF}$ : 678318.7/15

All: -228.959+/-0.026  $\chi^2/\text{NDF}$ : 1478978.7/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam3\_4aX\_slope vs Slug



Right In:  $-13.321 \pm 0.194$   $\chi^2/\text{NDF}$ : 1013.0/14

Left Out:  $-22.280 \pm 1.335$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-11.956 \pm 0.113$   $\chi^2/\text{NDF}$ : 2487.2/17

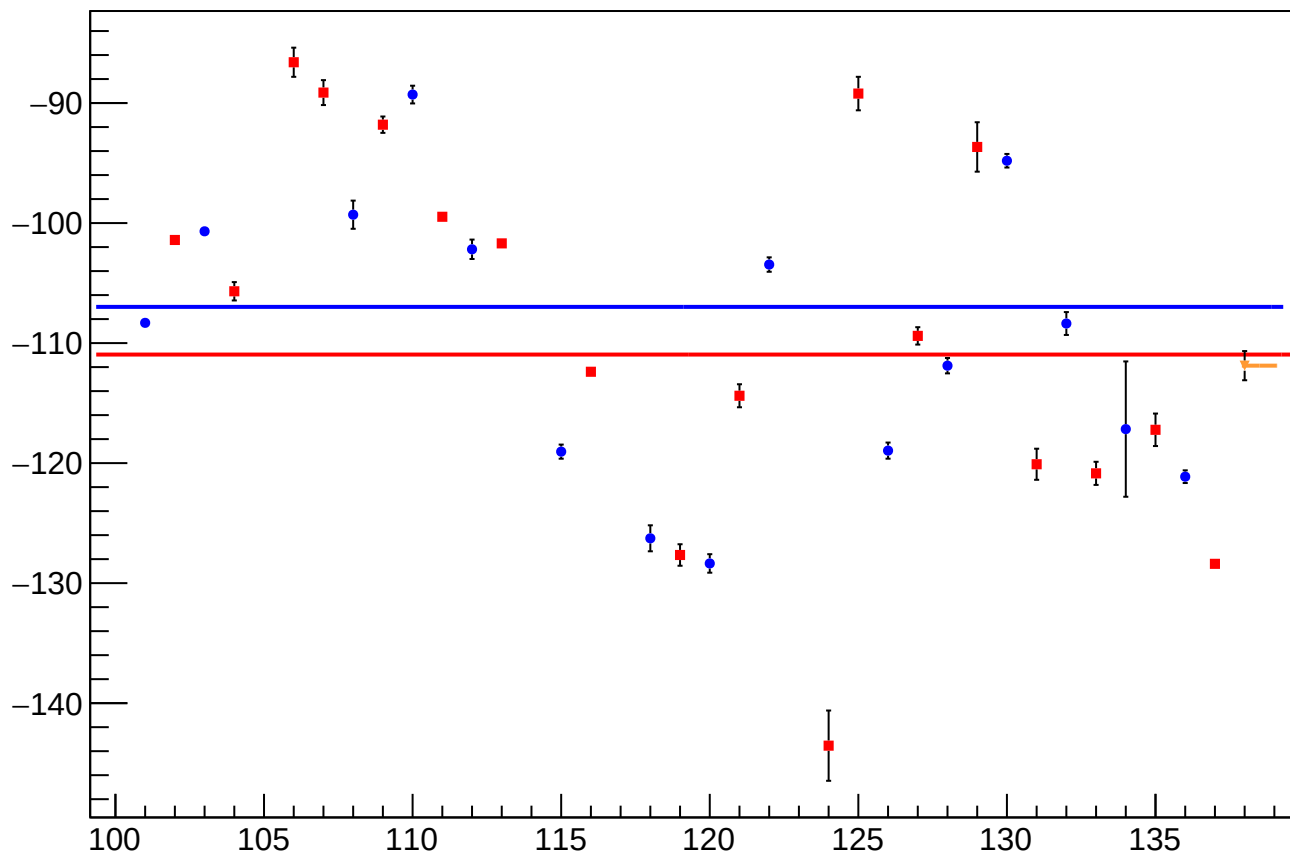
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-13.505 \pm 0.192$   $\chi^2/\text{NDF}$ : 1057.1/15

All:  $-12.354 \pm 0.097$   $\chi^2/\text{NDF}$ : 3592.8/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_4eX\_slope vs Slug



Right In:  $-106.983 \pm 0.110$   $\chi^2/\text{NDF}$ : 4658.3/14

Left Out:  $-111.879 \pm 1.216$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-110.955 \pm 0.050$   $\chi^2/\text{NDF}$ : 10675.0/17

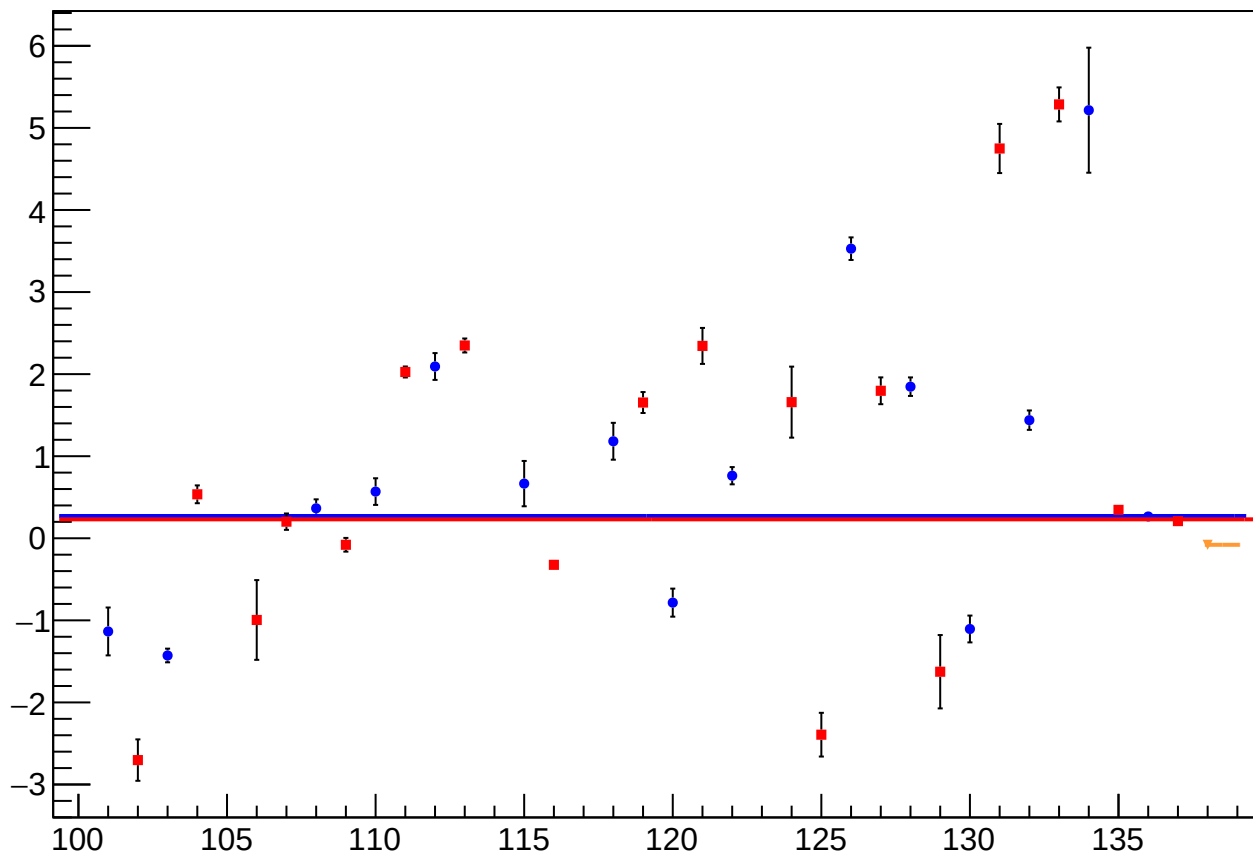
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-107.022 \pm 0.110$   $\chi^2/\text{NDF}$ : 4674.4/15

All:  $-110.273 \pm 0.046$   $\chi^2/\text{NDF}$ : 16414.0/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_11X12X\_slope vs Slug



Right In: 0.271+/-0.005  $\chi^2/\text{NDF}$ : 1612.2/14

Left Out: -0.080+/-0.024  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.231+/-0.004  $\chi^2/\text{NDF}$ : 2907.8/17

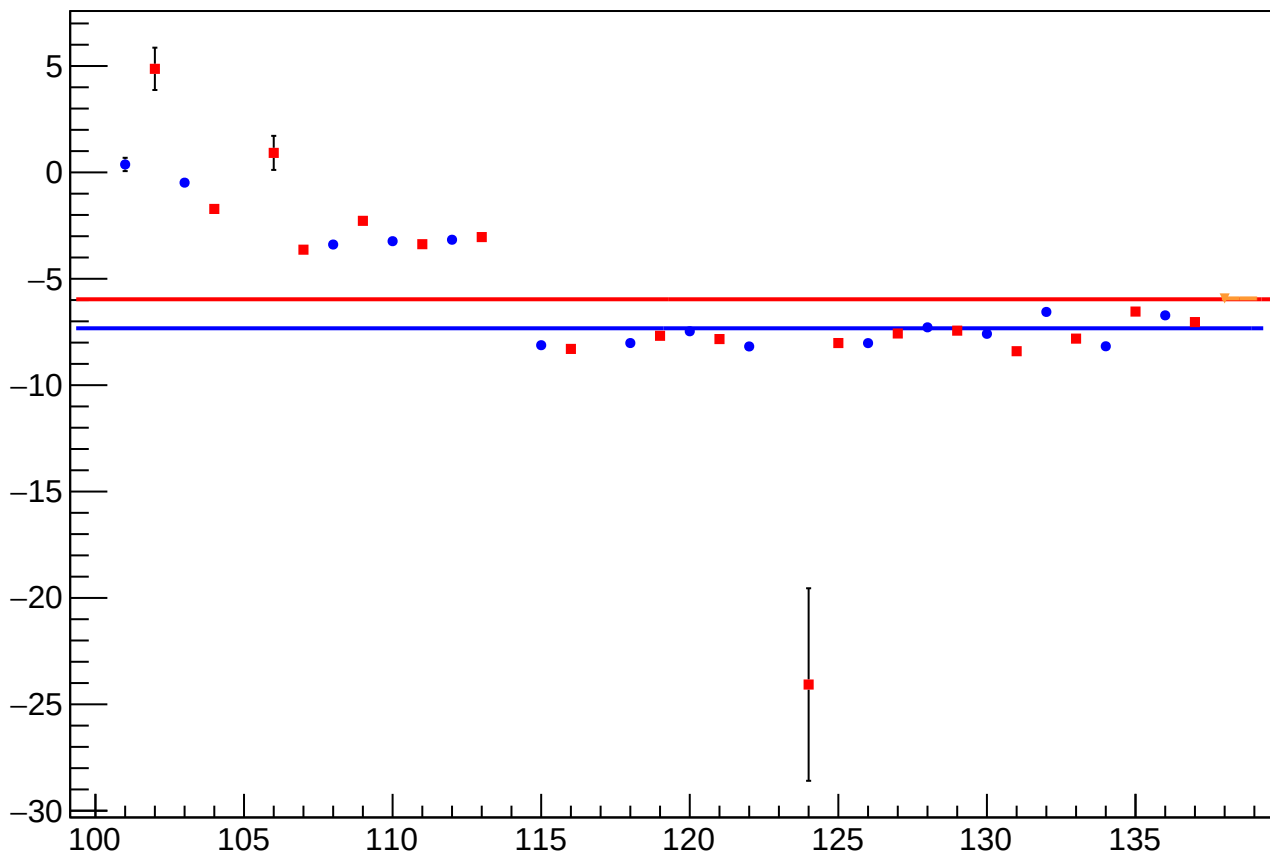
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.255+/-0.005  $\chi^2/\text{NDF}$ : 1808.0/15

All: 0.241+/-0.003  $\chi^2/\text{NDF}$ : 4728.8/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_4aY\_slope vs Slug



Right In:  $-7.327 \pm 0.008$   $\chi^2/\text{NDF}$ : 30494.2/14

Left Out:  $-5.923 \pm 0.053$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-5.964 \pm 0.009$   $\chi^2/\text{NDF}$ : 71807.1/17

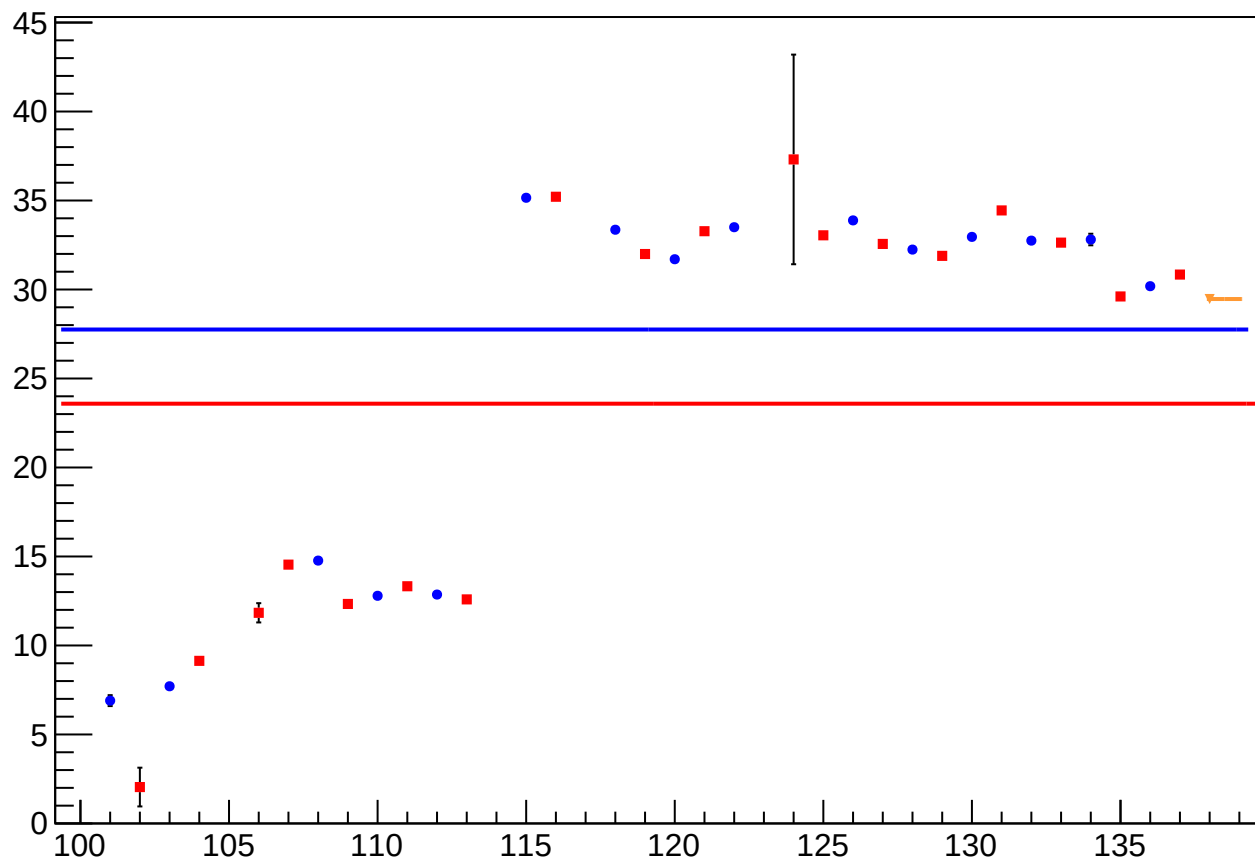
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-7.292 \pm 0.008$   $\chi^2/\text{NDF}$ : 31181.8/15

All:  $-6.667 \pm 0.006$   $\chi^2/\text{NDF}$ : 115118.6/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_4eY\_slope vs Slug



Right In: 27.752 $\pm$ 0.015  $\chi^2$ /NDF: 332926.6/14

Left Out: 29.465 $\pm$ 0.088  $\chi^2$ /NDF: 0.0/0

Right Out: 23.585 $\pm$ 0.014  $\chi^2$ /NDF: 539616.2/17

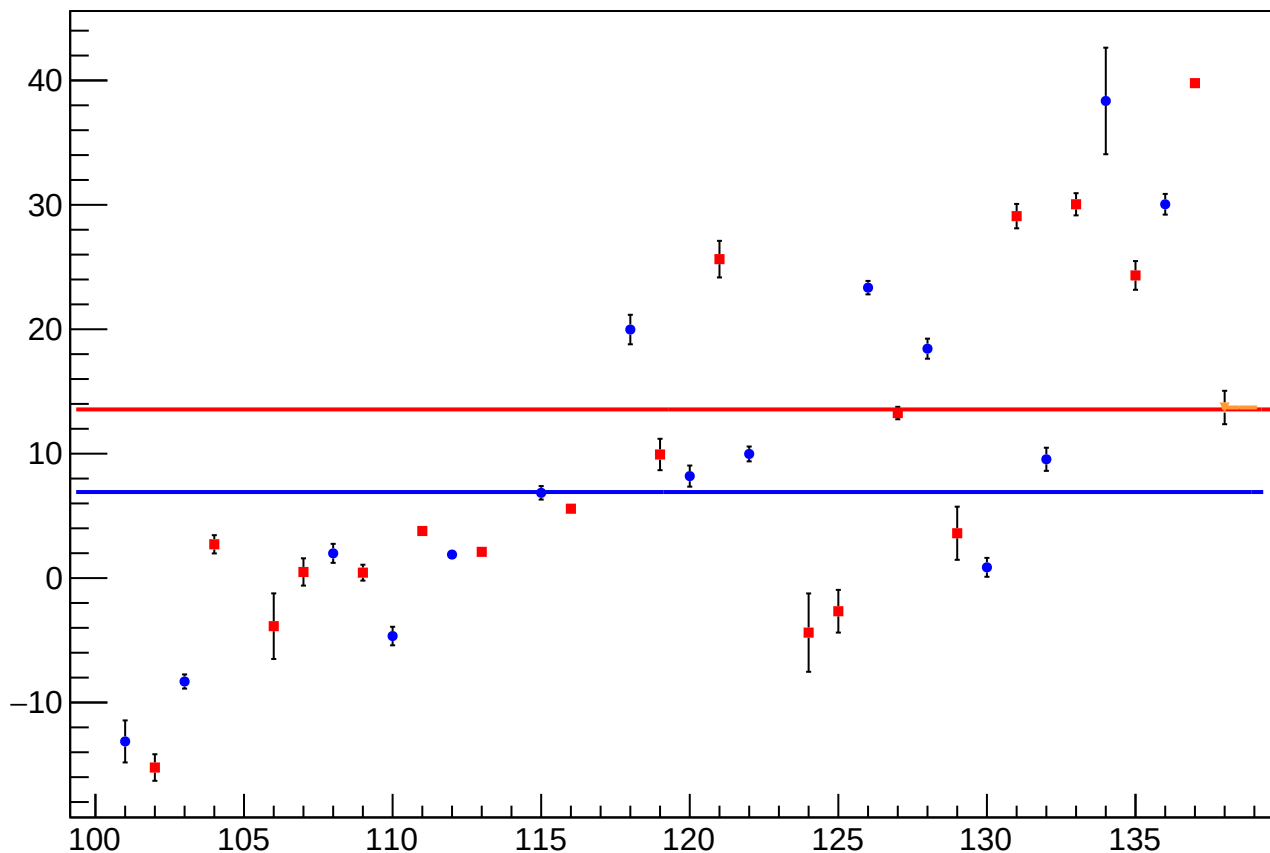
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 27.801 $\pm$ 0.015  $\chi^2$ /NDF: 333298.4/15

All: 25.530 $\pm$ 0.010  $\chi^2$ /NDF: 916524.9/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_4aX\_slope vs Slug



Right In: 6.916+/-0.177  $\chi^2/\text{NDF}$ : 3503.2/14

Left Out: 13.711+/-1.342  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 13.557+/-0.145  $\chi^2/\text{NDF}$ : 11657.2/17

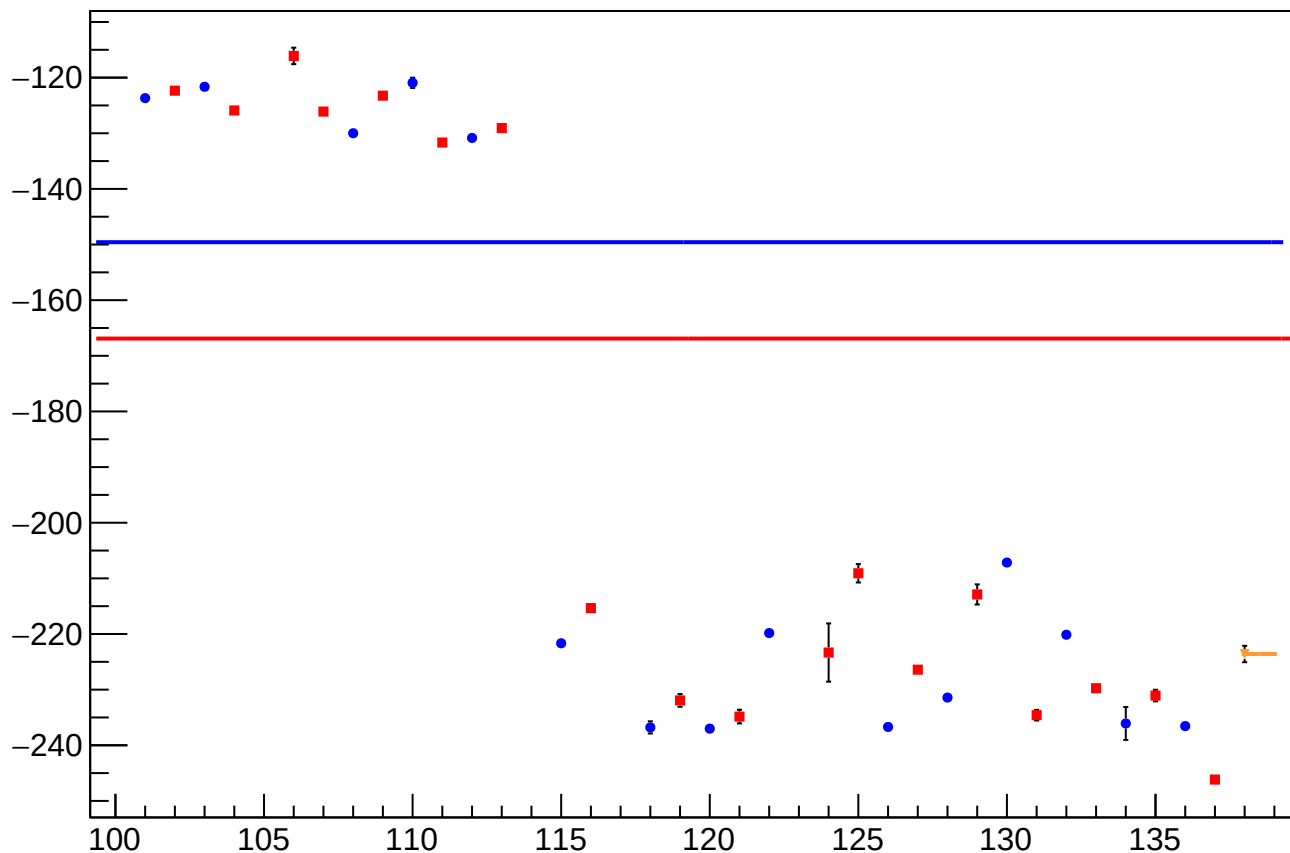
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 7.032+/-0.175  $\chi^2/\text{NDF}$ : 3528.4/15

All: 10.900+/-0.112  $\chi^2/\text{NDF}$ : 16009.3/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_4eX\_slope vs Slug



Right In: -149.580+/-0.101  $\chi^2$ /NDF: 195091.5/14

Left Out: -223.597+/-1.473  $\chi^2$ /NDF:0.0/0

Right Out: -166.899+/-0.101  $\chi^2$ /NDF: 295489.9/17

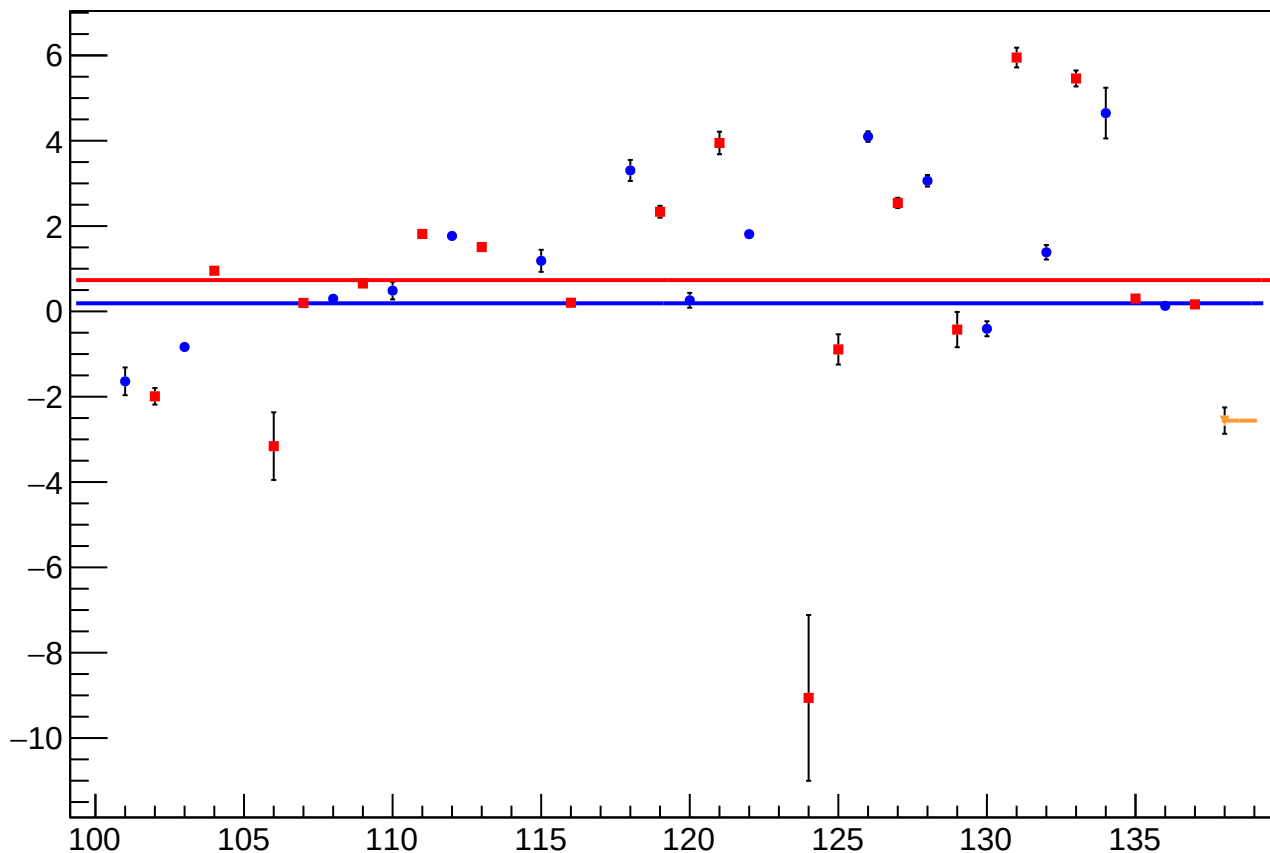
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign -149.926+/-0.101  $\chi^2$ /NDF: 197603.8/15

All: -158.416+/-0.071  $\chi^2$ /NDF: 507322.9/33

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_11X12X\_slope vs Slug



Right In: 0.190 $\pm$ 0.009  $\chi^2$ /NDF: 2727.5/14

Left Out: -2.560 $\pm$ 0.309  $\chi^2$ /NDF: 0.0/0

Right Out: 0.733 $\pm$ 0.020  $\chi^2$ /NDF: 2666.9/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

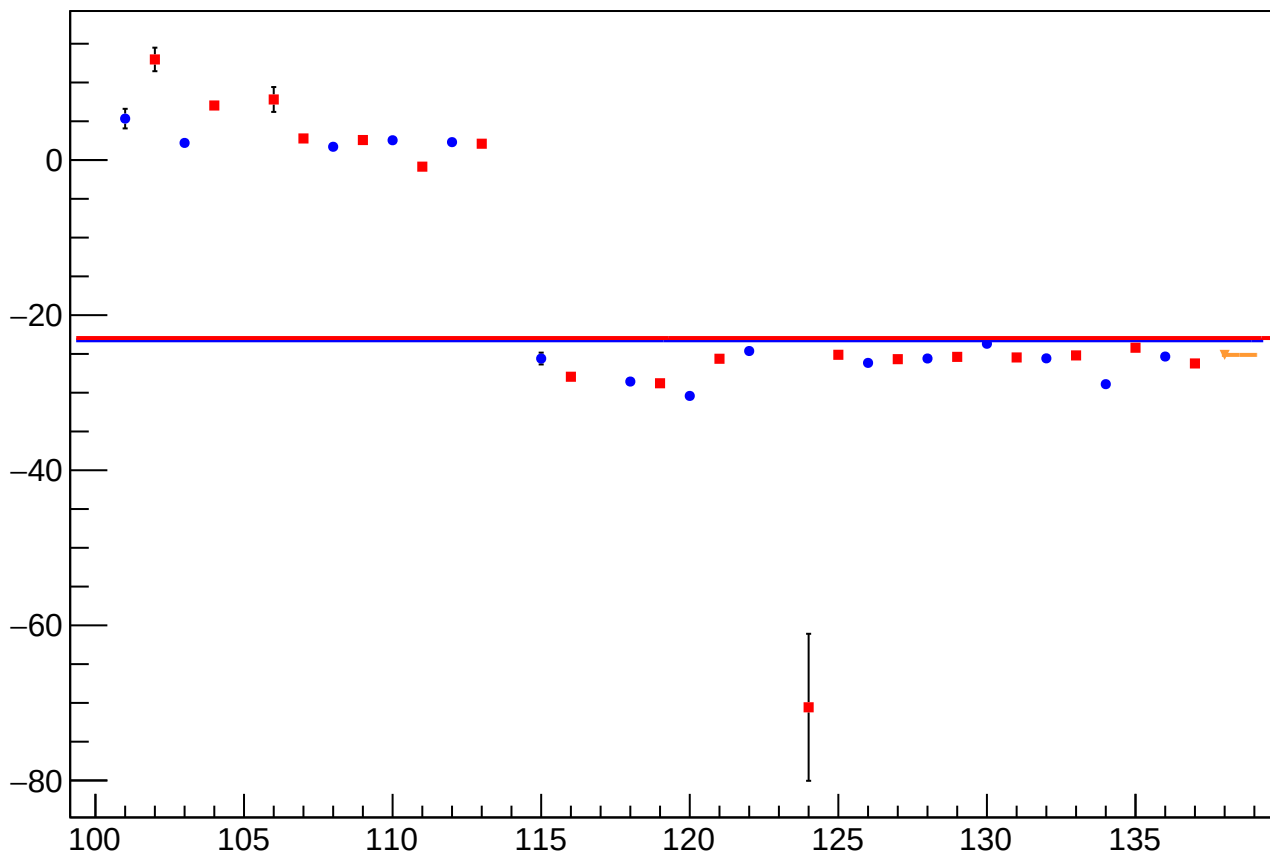
+ sign 0.188 $\pm$ 0.009  $\chi^2$ /NDF: 2806.9/15

All: 0.275 $\pm$ 0.008  $\chi^2$ /NDF: 6113.9/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam4\_4aY\_slope vs Slug



Right In:  $-23.241 \pm 0.025$   $\chi^2/\text{NDF}$ : 103102.8/14

Left Out:  $-25.125 \pm 0.092$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-22.951 \pm 0.025$   $\chi^2/\text{NDF}$ : 108039.1/17

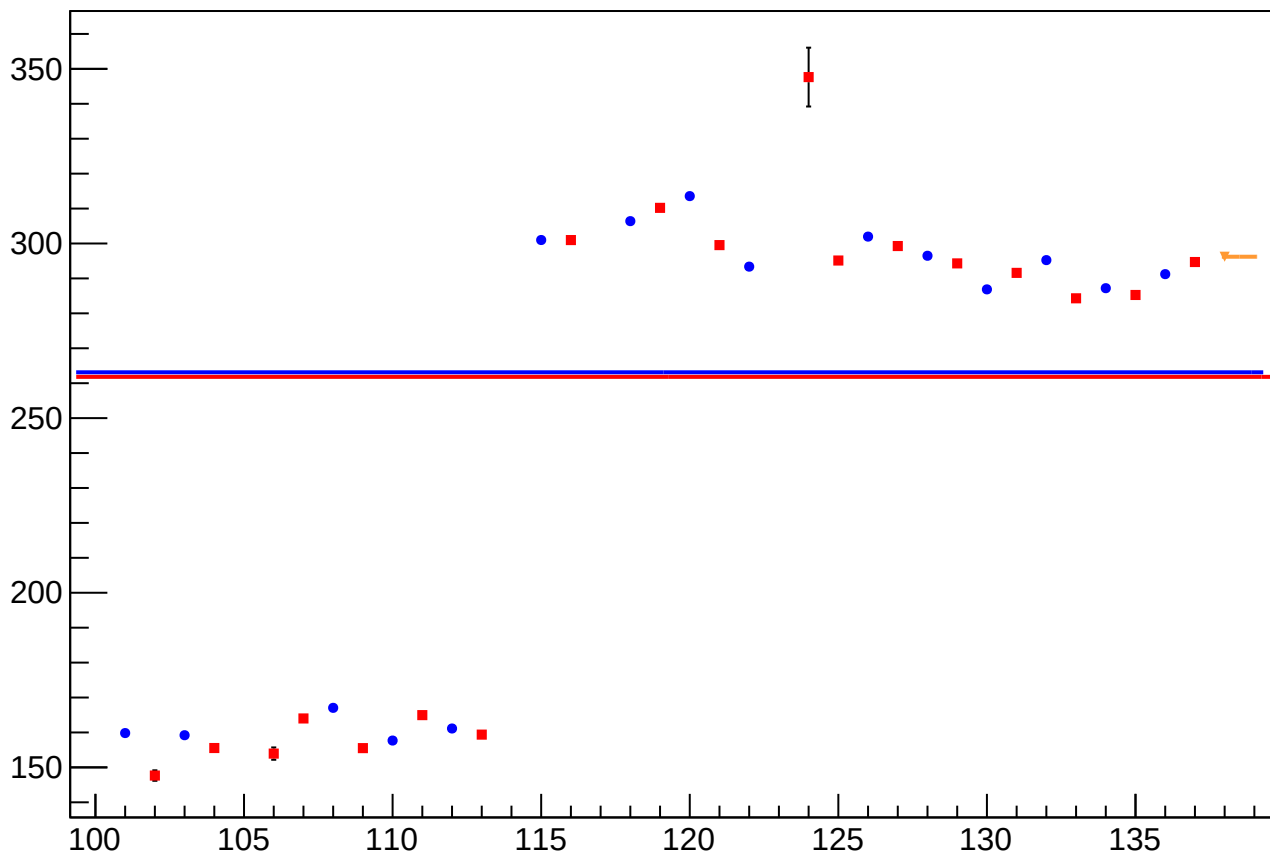
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-23.367 \pm 0.024$   $\chi^2/\text{NDF}$ : 103491.6/15

All:  $-23.166 \pm 0.017$   $\chi^2/\text{NDF}$ : 211677.5/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_4eY\_slope vs Slug



Right In: 263.120+/-0.069  $\chi^2/\text{NDF}$ : 692885.4/14

Left Out: 296.211+/-0.265  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 261.814+/-0.060  $\chi^2/\text{NDF}$ : 1006189.6/17

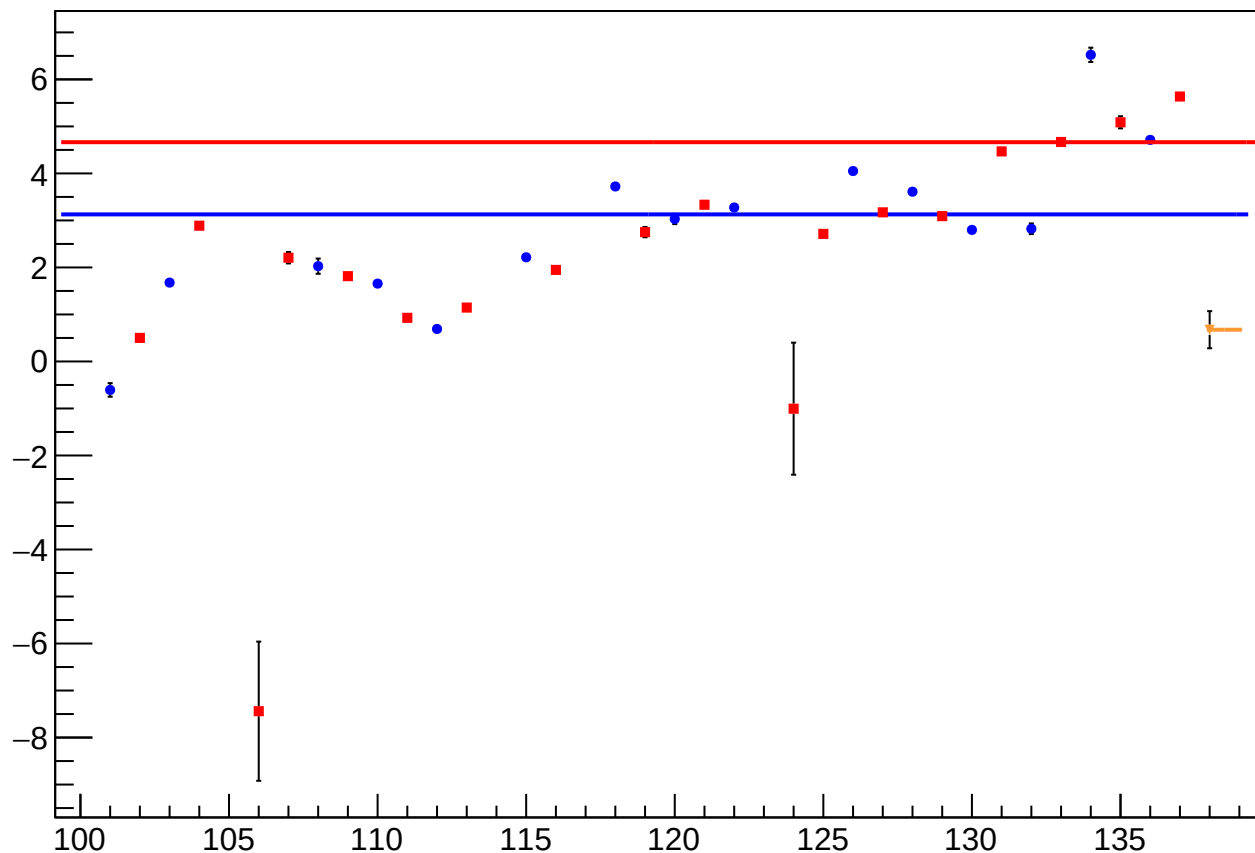
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 265.228+/-0.067  $\chi^2/\text{NDF}$ : 707499.8/15

All: 263.350+/-0.045  $\chi^2/\text{NDF}$ : 1715124.3/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_4aX\_slope vs Slug



Right In: 3.128 $\pm$ 0.016  $\chi^2$ /NDF: 5667.8/14

Left Out: 0.675 $\pm$ 0.395  $\chi^2$ /NDF: 0.0/0

Right Out: 4.664 $\pm$ 0.006  $\chi^2$ /NDF: 66862.5/17

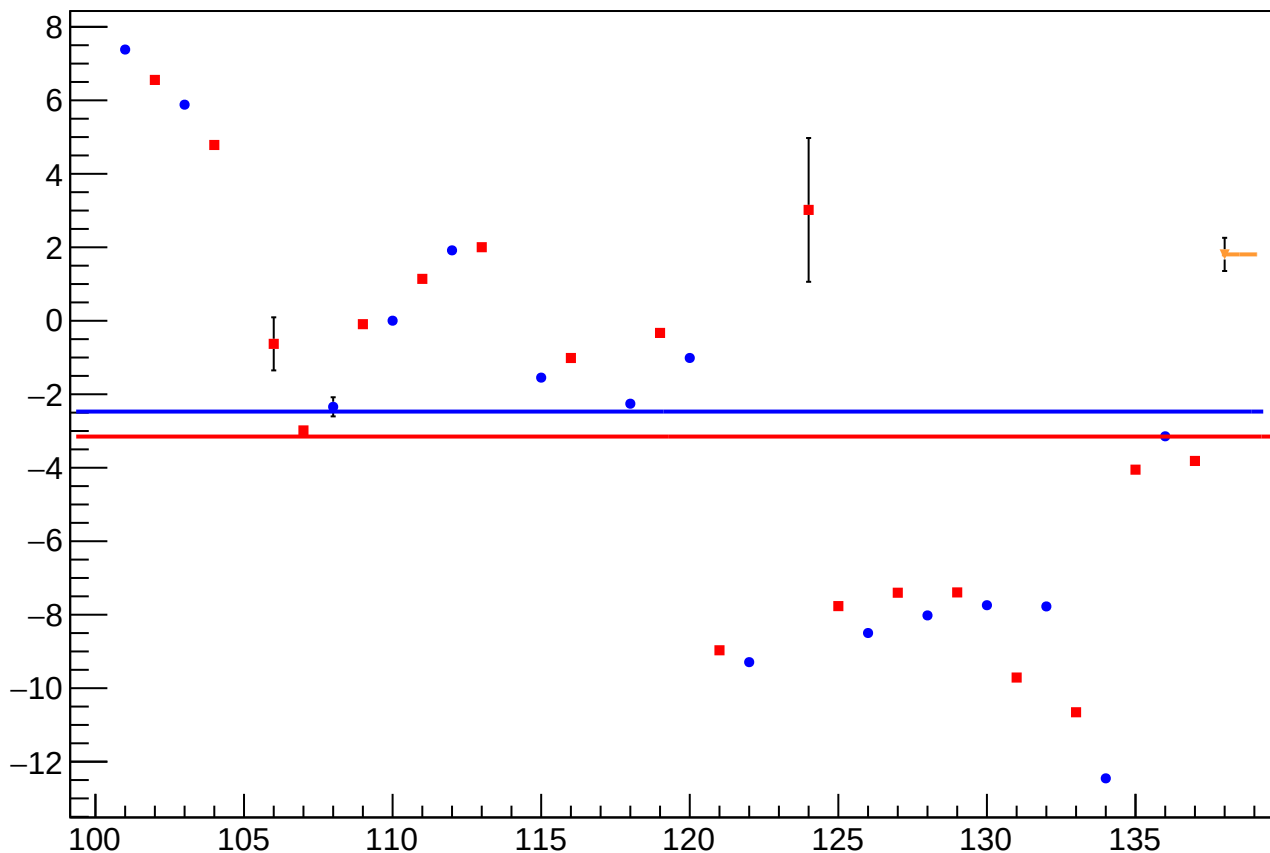
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 3.125 $\pm$ 0.016  $\chi^2$ /NDF: 5706.3/15

All: 4.449 $\pm$ 0.006  $\chi^2$ /NDF: 80796.1/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4eX\_slope vs Slug



Right In:  $-2.471 \pm 0.014$   $\chi^2/\text{NDF}$ : 242579.9/14

Left Out:  $1.807 \pm 0.451$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.151 \pm 0.007$   $\chi^2/\text{NDF}$ : 247427.7/17

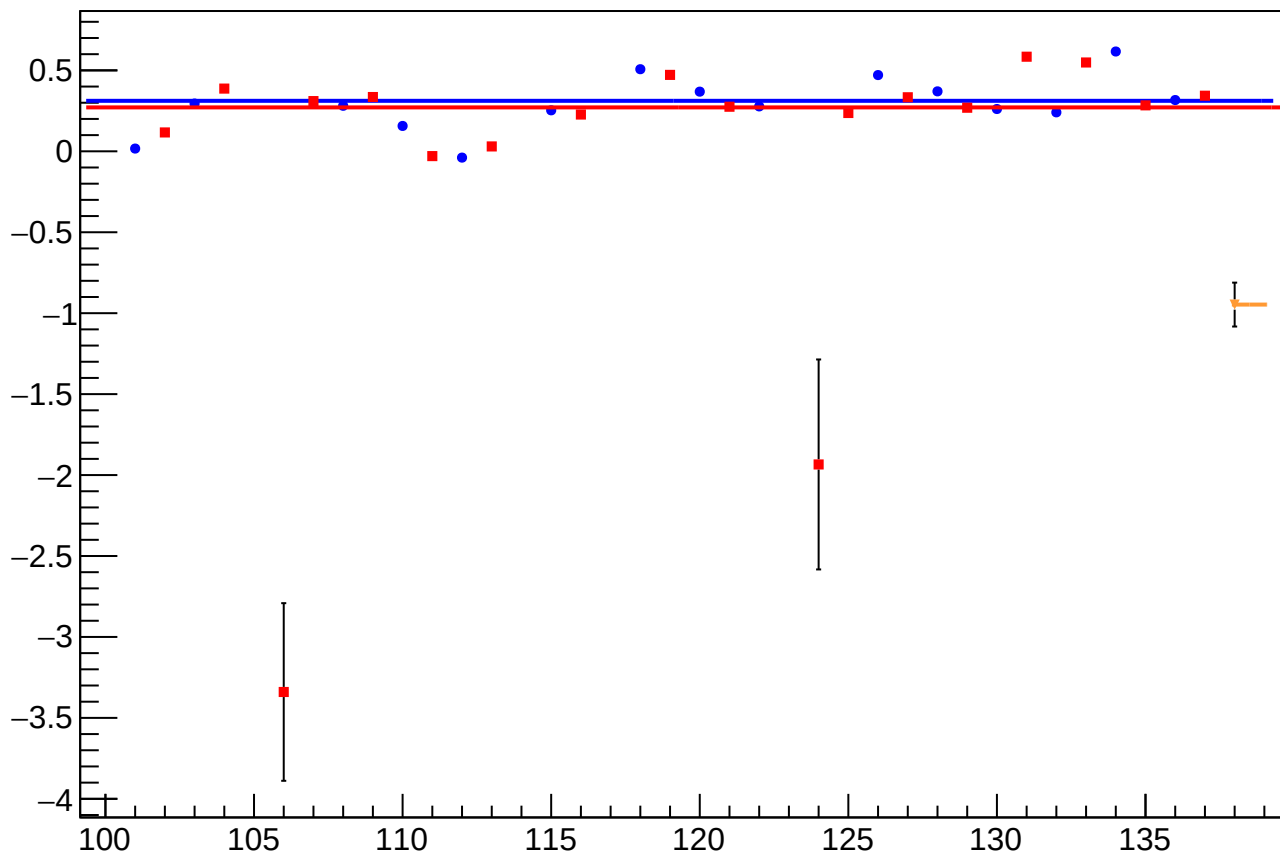
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-2.467 \pm 0.014$   $\chi^2/\text{NDF}$ : 242669.5/15

All:  $-3.002 \pm 0.007$   $\chi^2/\text{NDF}$ : 491941.0/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_11X12X\_slope vs Slug



Right In: 0.312 $\pm$ 0.001  $\chi^2$ /NDF: 1319.2/14

Left Out: -0.947 $\pm$ 0.136  $\chi^2$ /NDF: 0.0/0

Right Out: 0.271 $\pm$ 0.002  $\chi^2$ /NDF: 6144.7/17

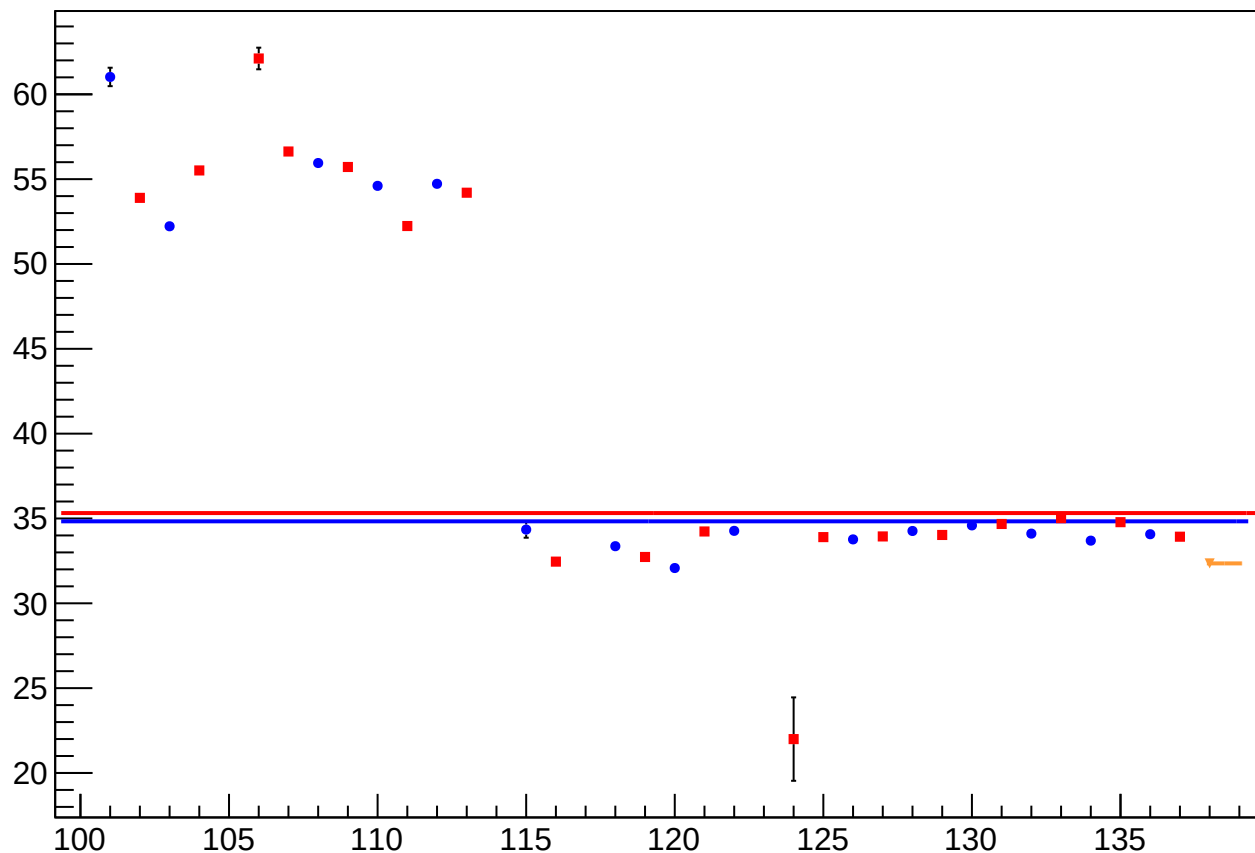
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.312 $\pm$ 0.001  $\chi^2$ /NDF: 1405.4/15

All: 0.301 $\pm$ 0.001  $\chi^2$ /NDF: 7819.9/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4aY\_slope vs Slug



Right In: 34.832 $\pm$ 0.009  $\chi^2$ /NDF: 245568.8/14

Left Out: 32.352 $\pm$ 0.027  $\chi^2$ /NDF: 0.0/0

Right Out: 35.319 $\pm$ 0.010  $\chi^2$ /NDF: 261492.0/17

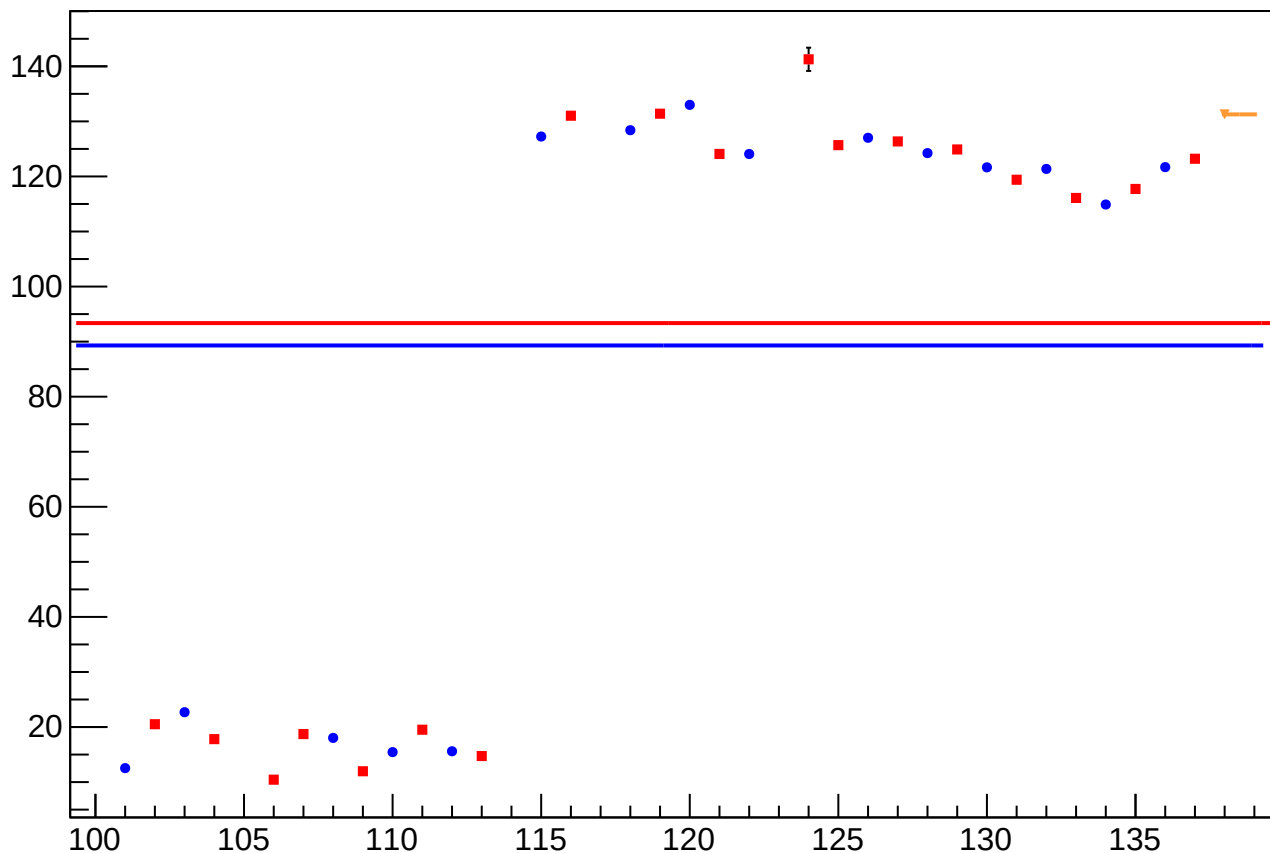
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 34.597 $\pm$ 0.008  $\chi^2$ /NDF: 253419.5/15

All: 34.889 $\pm$ 0.006  $\chi^2$ /NDF: 518049.7/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4eY\_slope vs Slug



Right In: 89.302 $\pm$ 0.027  $\chi^2$ /NDF: 3034485.1/14

Left Out: 131.271 $\pm$ 0.103  $\chi^2$ /NDF: 0.0/0

Right Out: 93.367 $\pm$ 0.030  $\chi^2$ /NDF: 2852493.6/17

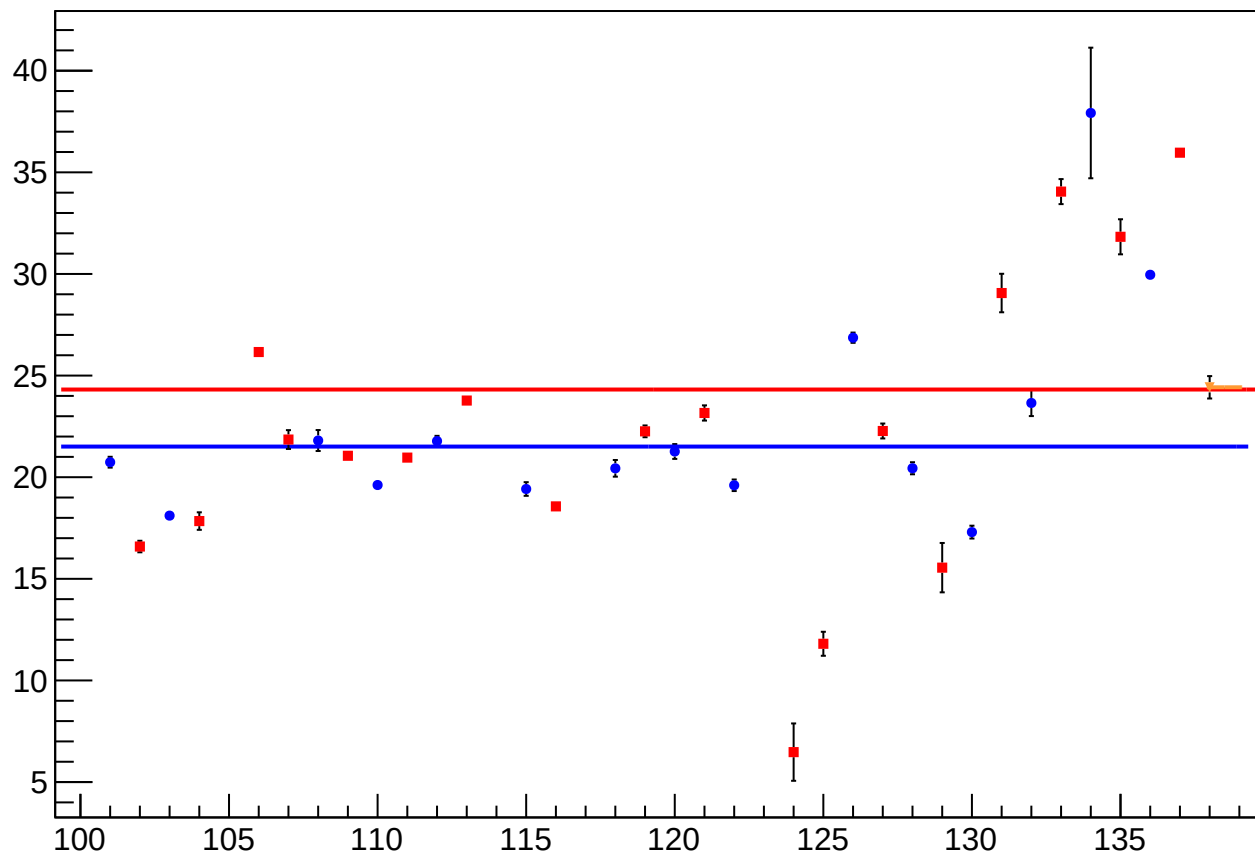
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 92.082 $\pm$ 0.027  $\chi^2$ /NDF: 3189455.2/15

All: 92.647 $\pm$ 0.020  $\chi^2$ /NDF: 6042981.3/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_4aX\_slope vs Slug



Right In: 21.507+/-0.072  $\chi^2$ /NDF: 2963.0/14

Left Out: 24.423+/-0.551  $\chi^2$ /NDF: 0.0/0

Right Out: 24.314+/-0.058  $\chi^2$ /NDF: 14295.4/17

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

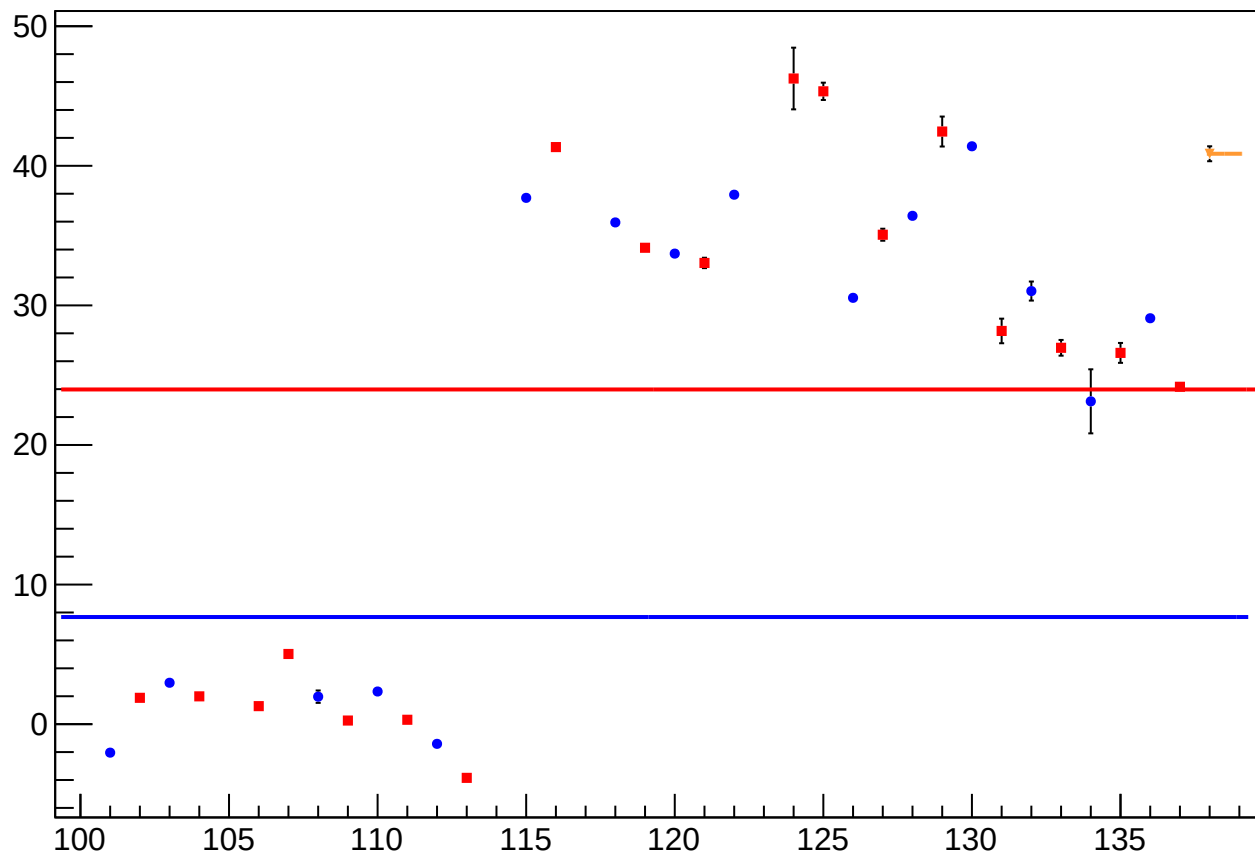
+ sign 21.557+/-0.072  $\chi^2$ /NDF: 2990.5/15

All: 23.213+/-0.045  $\chi^2$ /NDF: 18174.0/33

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_4eX\_slope vs Slug



Right In: 7.675+/-0.045  $\chi^2/\text{NDF}$ : 96442.5/14

Left Out: 40.863+/-0.535  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 23.977+/-0.008  $\chi^2/\text{NDF}$ : 110564.0/17

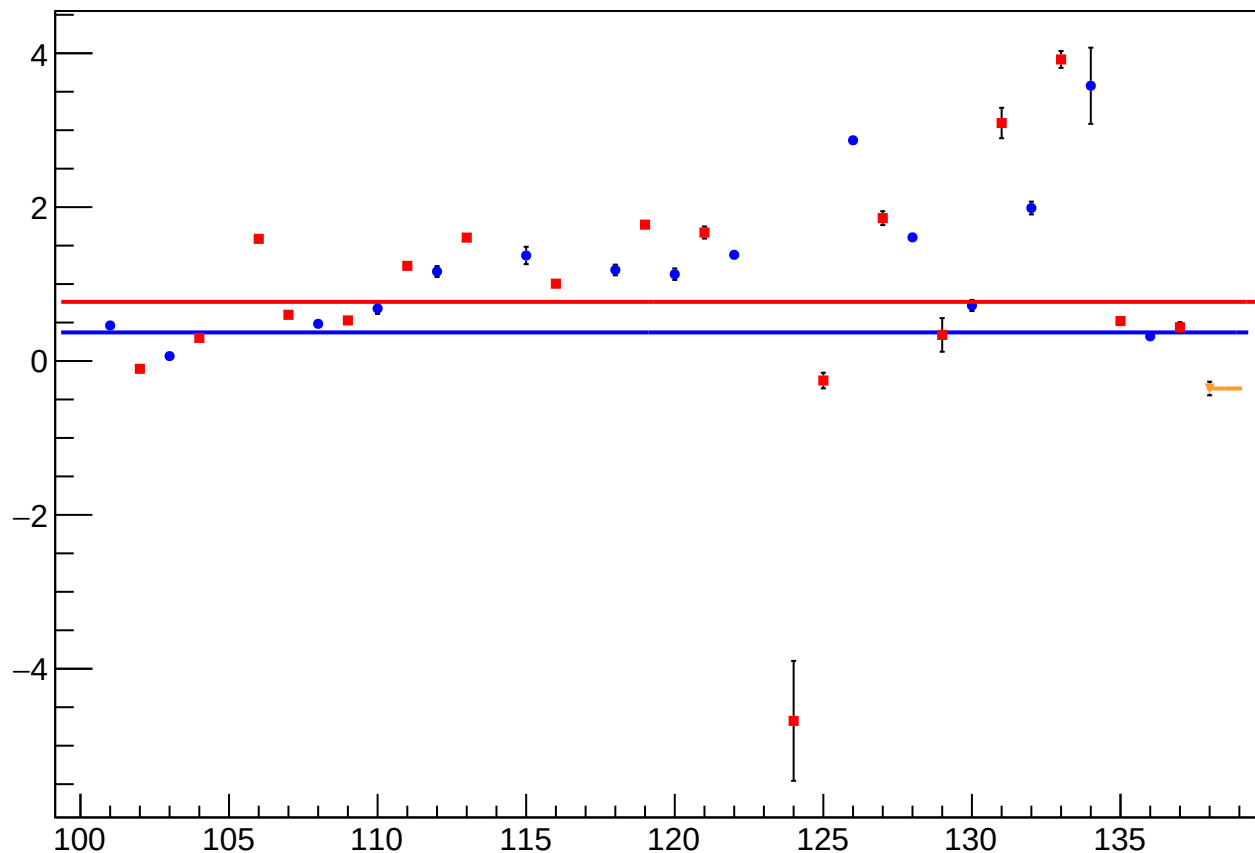
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 7.910+/-0.045  $\chi^2/\text{NDF}$ : 100256.8/15

All: 23.465+/-0.008  $\chi^2/\text{NDF}$ : 333830.6/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_11X12X\_slope vs Slug



Right In:  $0.372 \pm 0.004$   $\chi^2/\text{NDF}: 4748.7/14$

Left Out:  $-0.358 \pm 0.088$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.769 \pm 0.007$   $\chi^2/\text{NDF}: 4137.5/17$

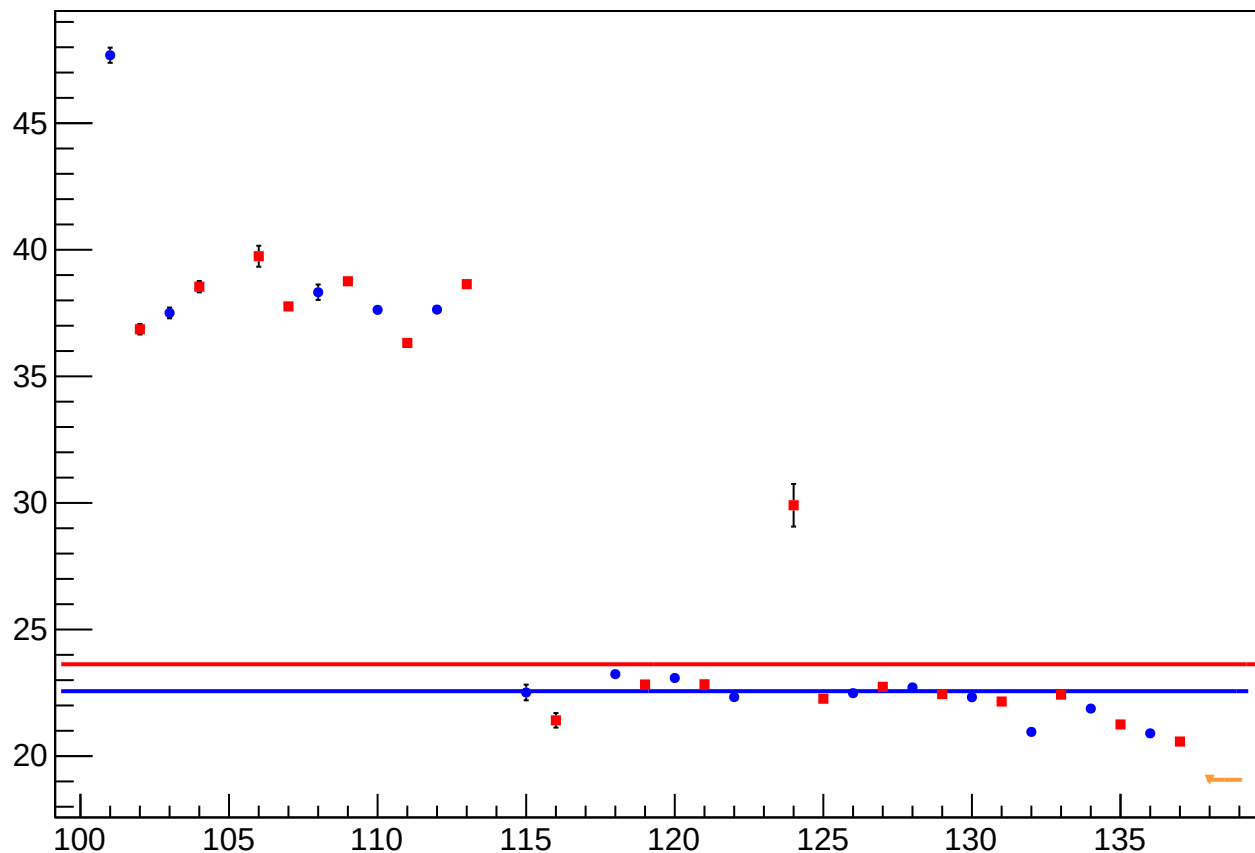
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.370 \pm 0.004$   $\chi^2/\text{NDF}: 4816.7/15$

All:  $0.483 \pm 0.004$   $\chi^2/\text{NDF}: 11328.6/33$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam6\_4aY\_slope vs Slug



Right In: 22.565+/-0.010  $\chi^2/\text{NDF}$ : 92859.1/14

Left Out: 19.065+/-0.040  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 23.627+/-0.011  $\chi^2/\text{NDF}$ : 123194.1/17

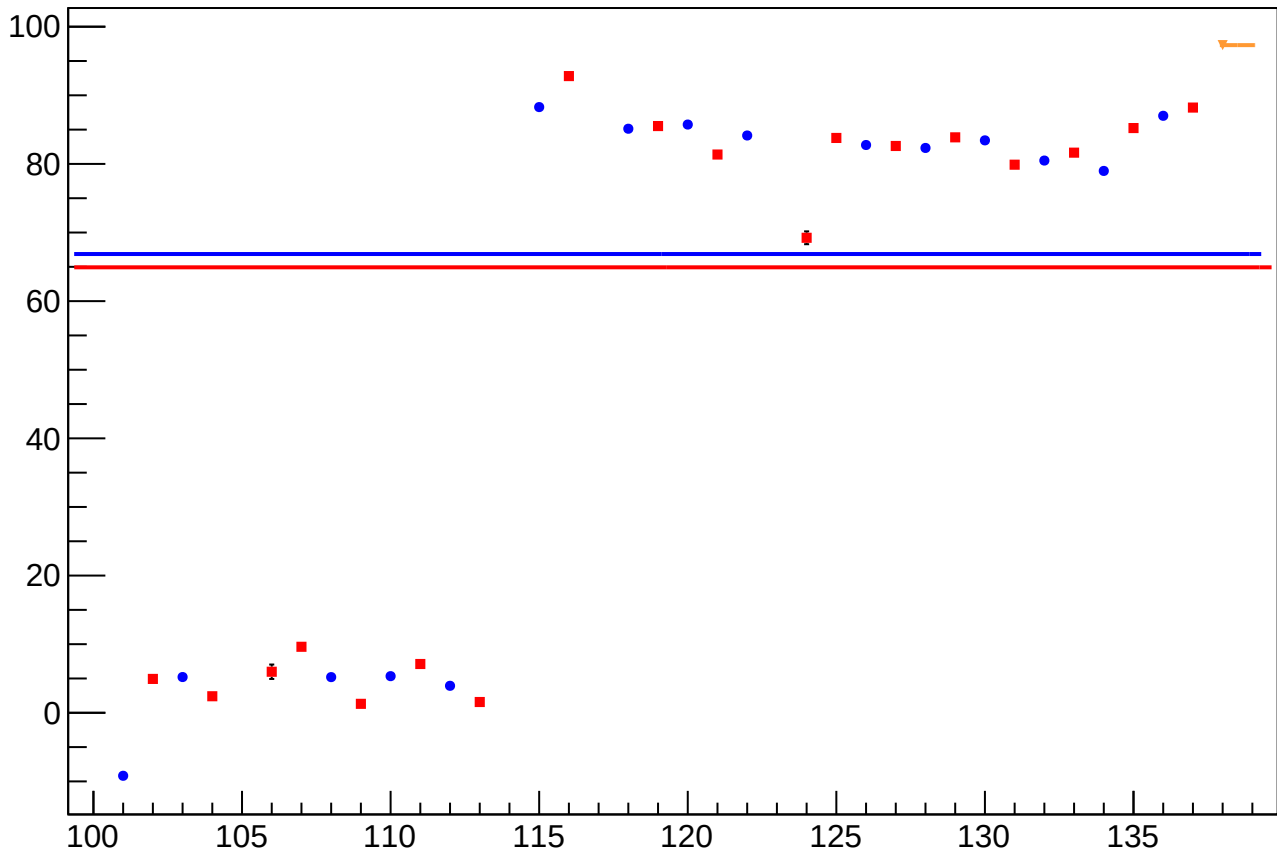
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 22.356+/-0.010  $\chi^2/\text{NDF}$ : 99928.0/15

All: 22.910+/-0.007  $\chi^2/\text{NDF}$ : 230360.7/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_4eY\_slope vs Slug



Right In: 66.866 $\pm$ 0.027  $\chi^2$ /NDF: 1494212.3/14

Left Out: 97.315 $\pm$ 0.066  $\chi^2$ /NDF: 0.0/0

Right Out: 64.929 $\pm$ 0.030  $\chi^2$ /NDF: 1334580.7/17

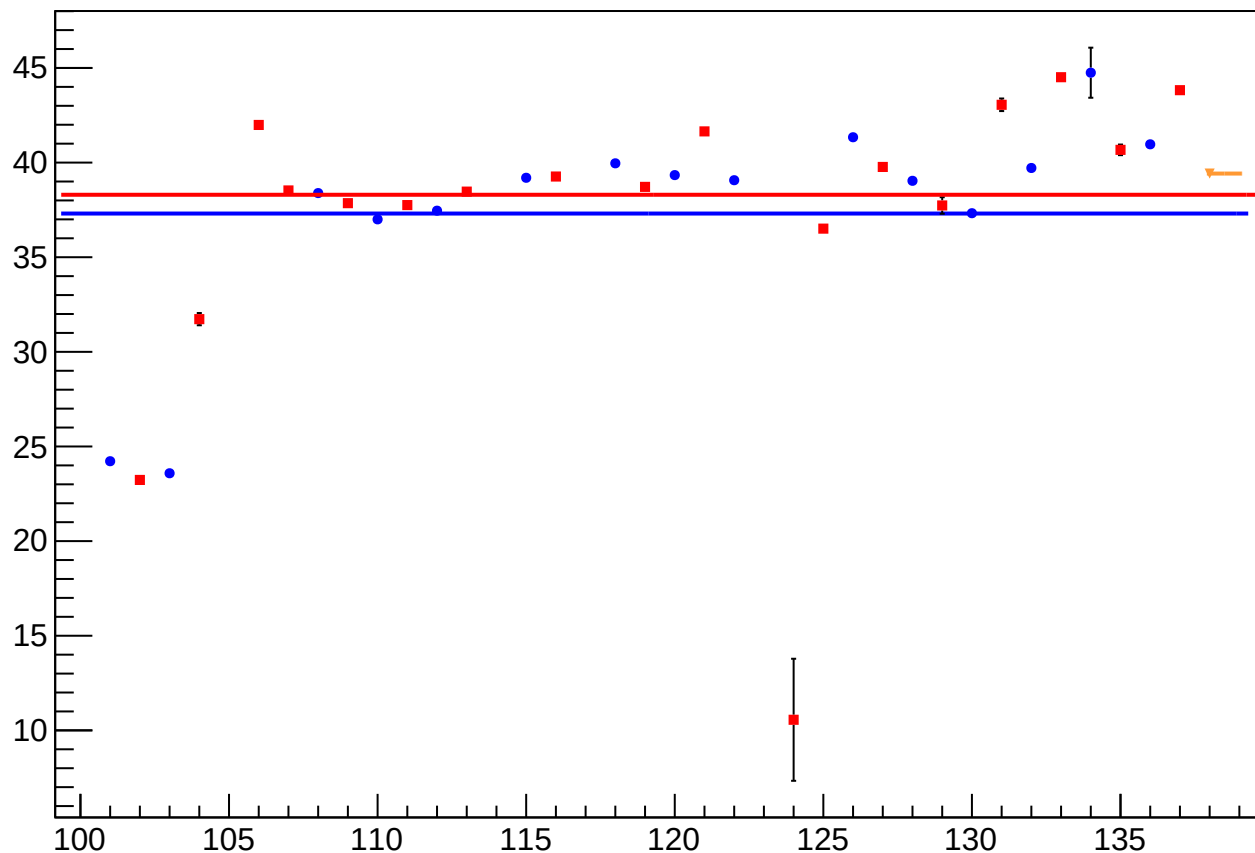
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 71.211 $\pm$ 0.025  $\chi^2$ /NDF: 1674888.3/15

All: 68.602 $\pm$ 0.019  $\chi^2$ /NDF: 3035584.6/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_4aX\_slope vs Slug



Right In: 37.308 $\pm$ 0.023     $\chi^2/\text{NDF}$ : 59580.0/14

Left Out: 39.420 $\pm$ 0.239     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 38.300 $\pm$ 0.021     $\chi^2/\text{NDF}$ : 18840.0/17

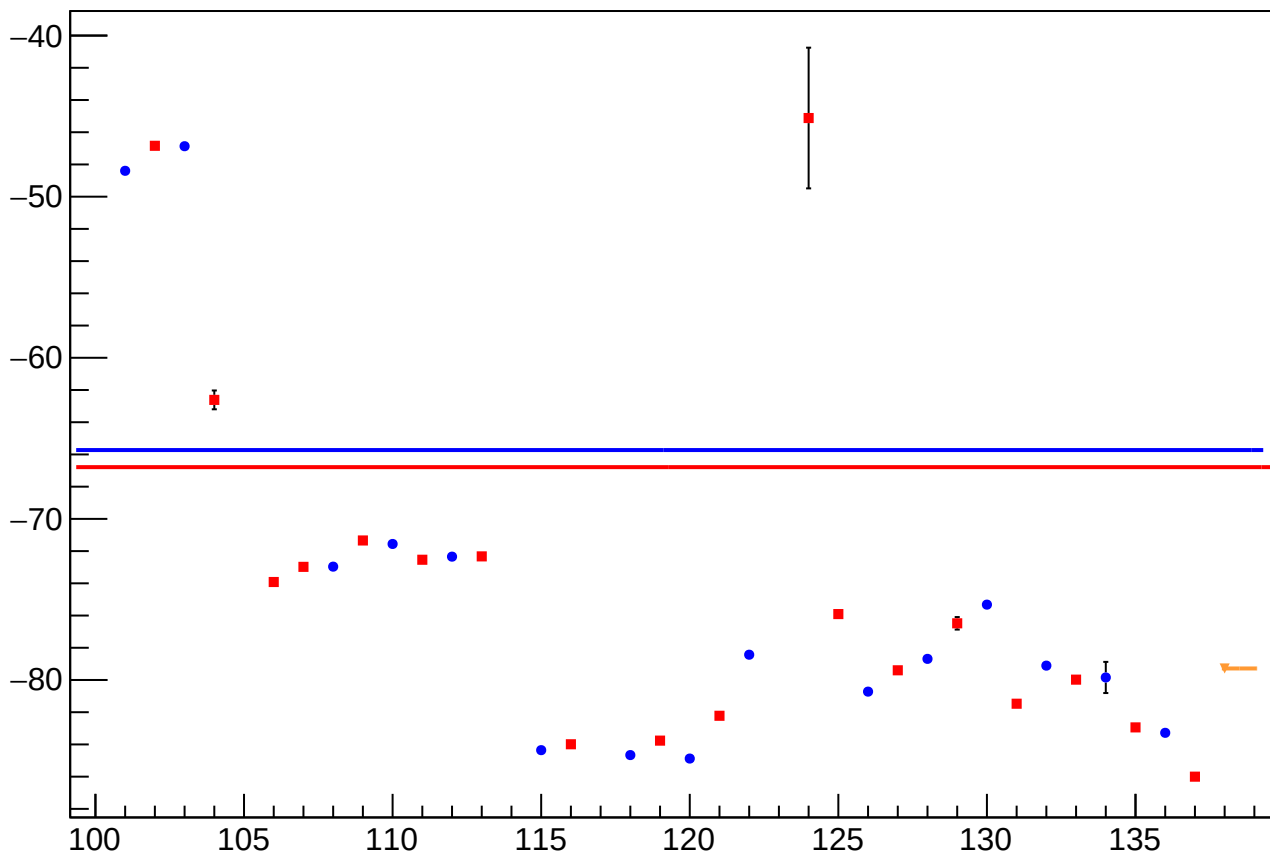
Left In: 0.000 $\pm$ 0.000     $\chi^2/\text{NDF}$ : 0.0/0

+ sign 37.327 $\pm$ 0.023     $\chi^2/\text{NDF}$ : 59657.4/15

All: 37.868 $\pm$ 0.015     $\chi^2/\text{NDF}$ : 79494.2/33

- sign 0.000 $\pm$ 0.000     $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_4eX\_slope vs Slug



Right In: -65.728 $\pm$ 0.017  $\chi^2$ /NDF: 903051.8/14

Left Out: -79.285 $\pm$ 0.219  $\chi^2$ /NDF: 0.0/0

Right Out: -66.788 $\pm$ 0.016  $\chi^2$ /NDF: 809356.5/17

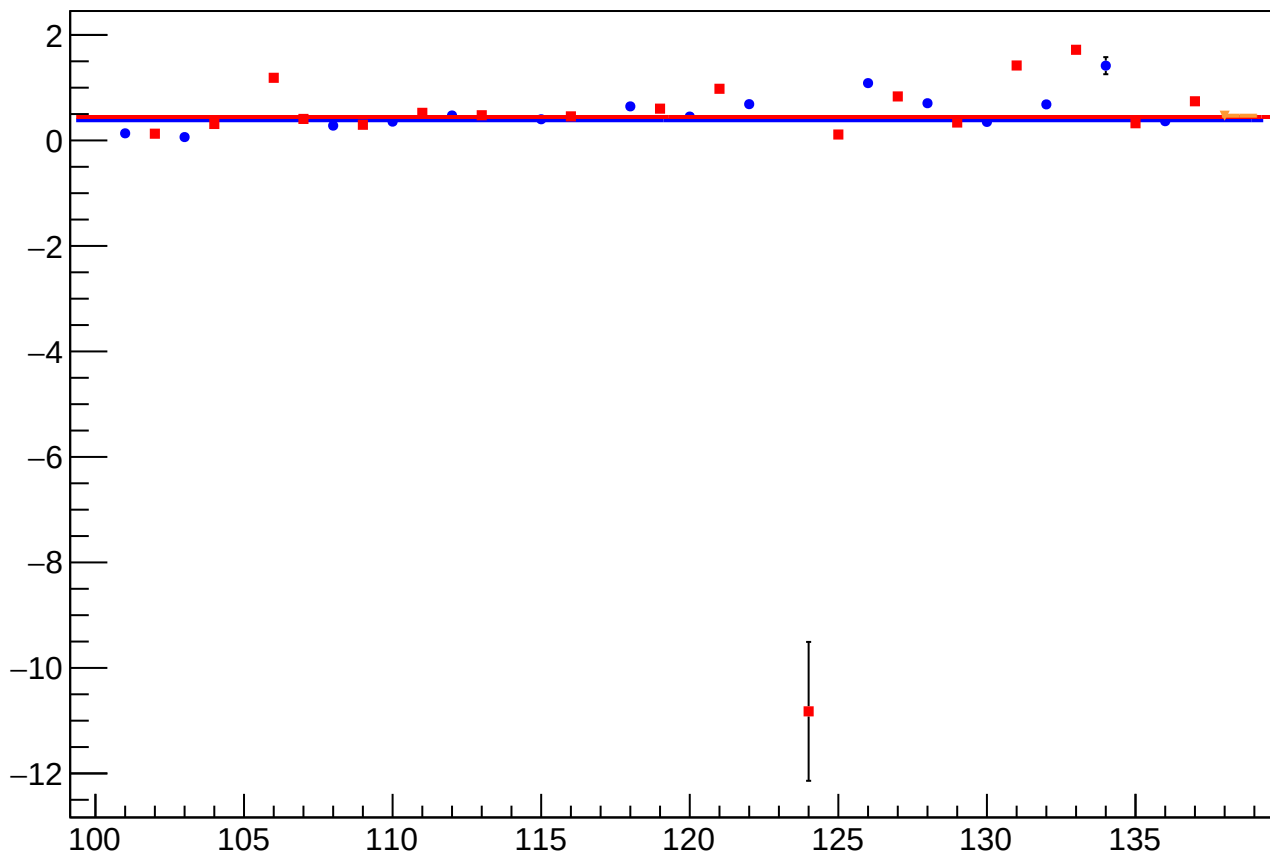
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -65.807 $\pm$ 0.017  $\chi^2$ /NDF: 906861.0/15

All: -66.328 $\pm$ 0.012  $\chi^2$ /NDF: 1718025.8/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_11X12X\_slope vs Slug



Right In:  $0.383 \pm 0.002$   $\chi^2/\text{NDF}$ : 8173.1/14

Left Out:  $0.469 \pm 0.014$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.444 \pm 0.004$   $\chi^2/\text{NDF}$ : 2786.2/17

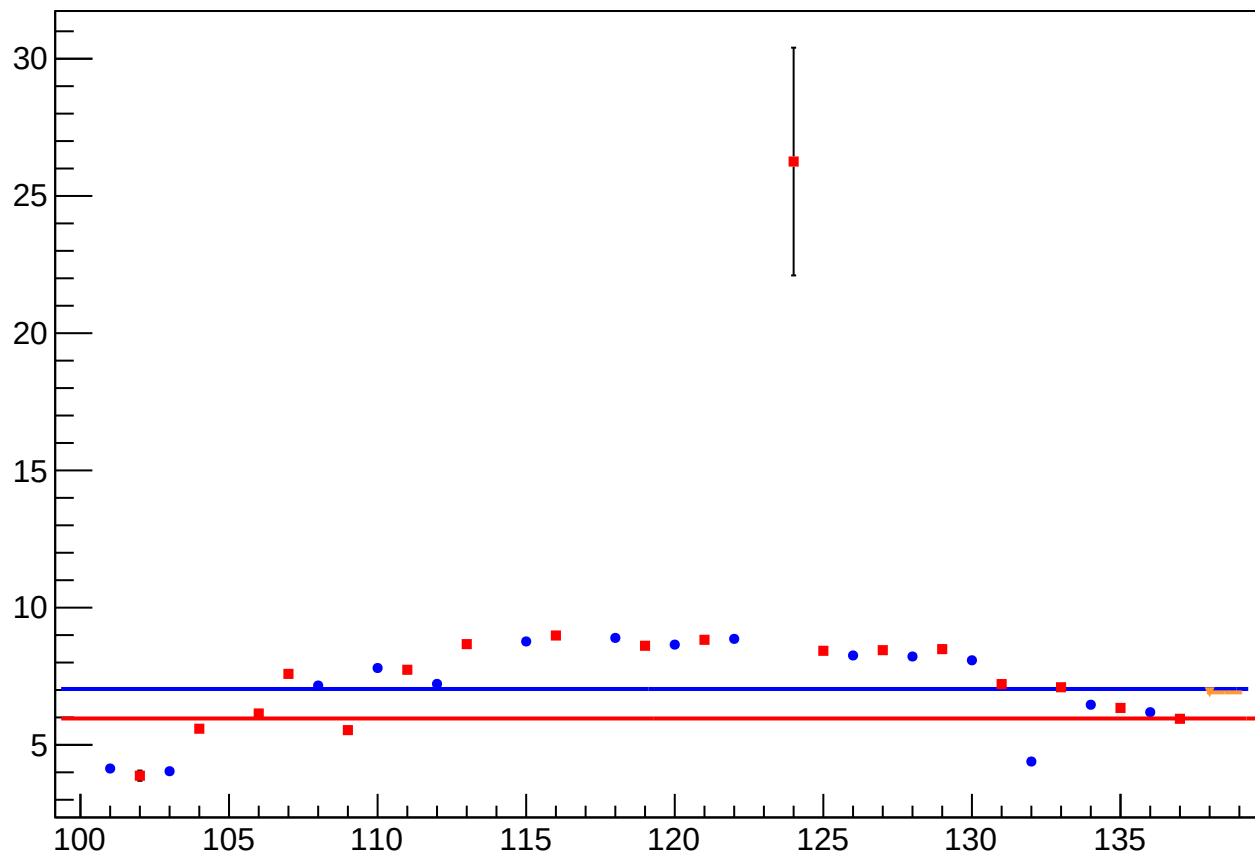
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.384 \pm 0.002$   $\chi^2/\text{NDF}$ : 8209.4/15

All:  $0.396 \pm 0.002$   $\chi^2/\text{NDF}$ : 11209.3/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_4aY\_slope vs Slug



Right In: 7.036 $\pm$ 0.005     $\chi^2/\text{NDF}$ : 69905.1/14

Left Out: 6.914 $\pm$ 0.011     $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.962 $\pm$ 0.000     $\chi^2/\text{NDF}$ : 168372.8/17

Left In: 0.000 $\pm$ 0.000     $\chi^2/\text{NDF}$ : 0.0/0

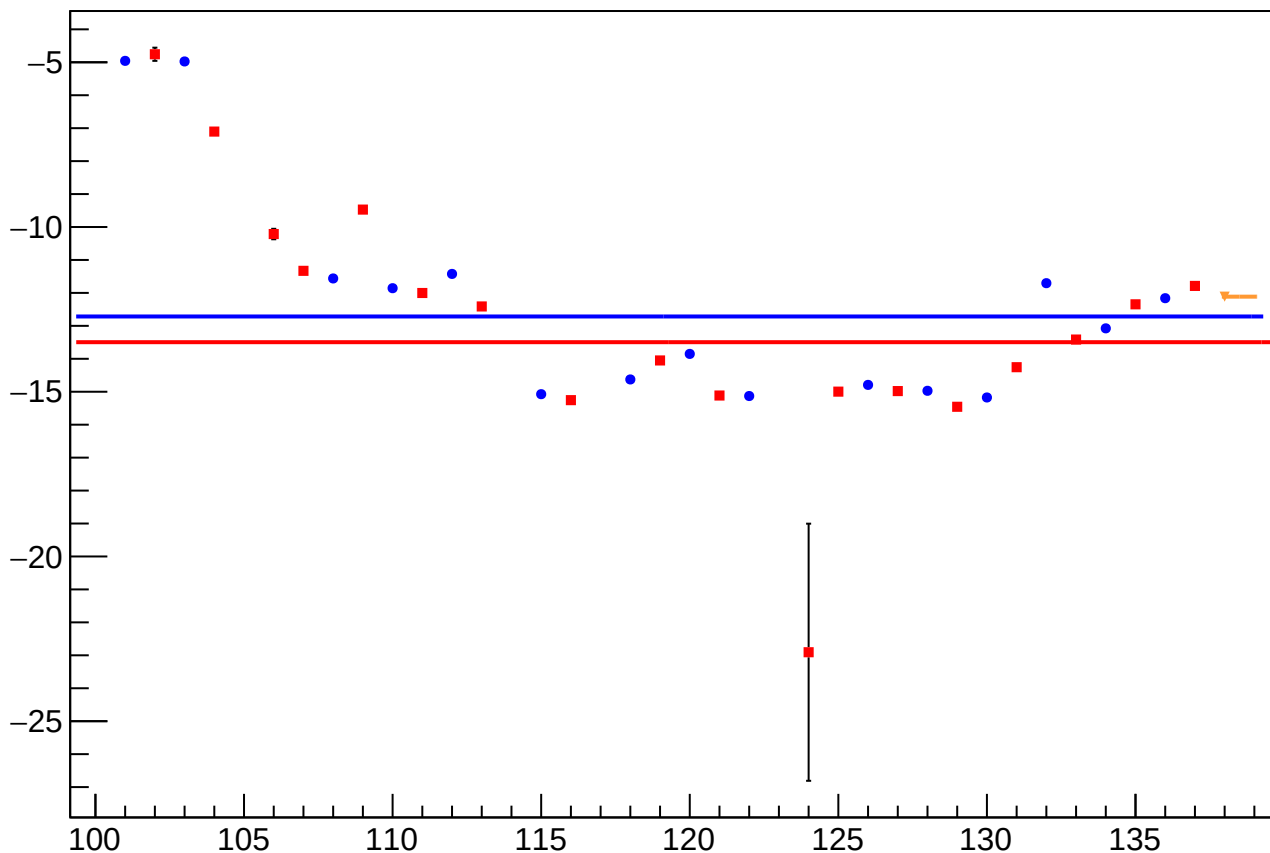
+ sign 7.020 $\pm$ 0.004     $\chi^2/\text{NDF}$ : 70005.2/15

All: 5.972 $\pm$ 0.000     $\chi^2/\text{NDF}$ : 301129.2/33

- sign 0.000 $\pm$ 0.000     $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam7\_4eY\_slope vs Slug



Right In:  $-12.715 \pm 0.006$   $\chi^2/\text{NDF}$ : 85219.4/14

Left Out:  $-12.114 \pm 0.012$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-13.496 \pm 0.006$   $\chi^2/\text{NDF}$ : 55753.8/17

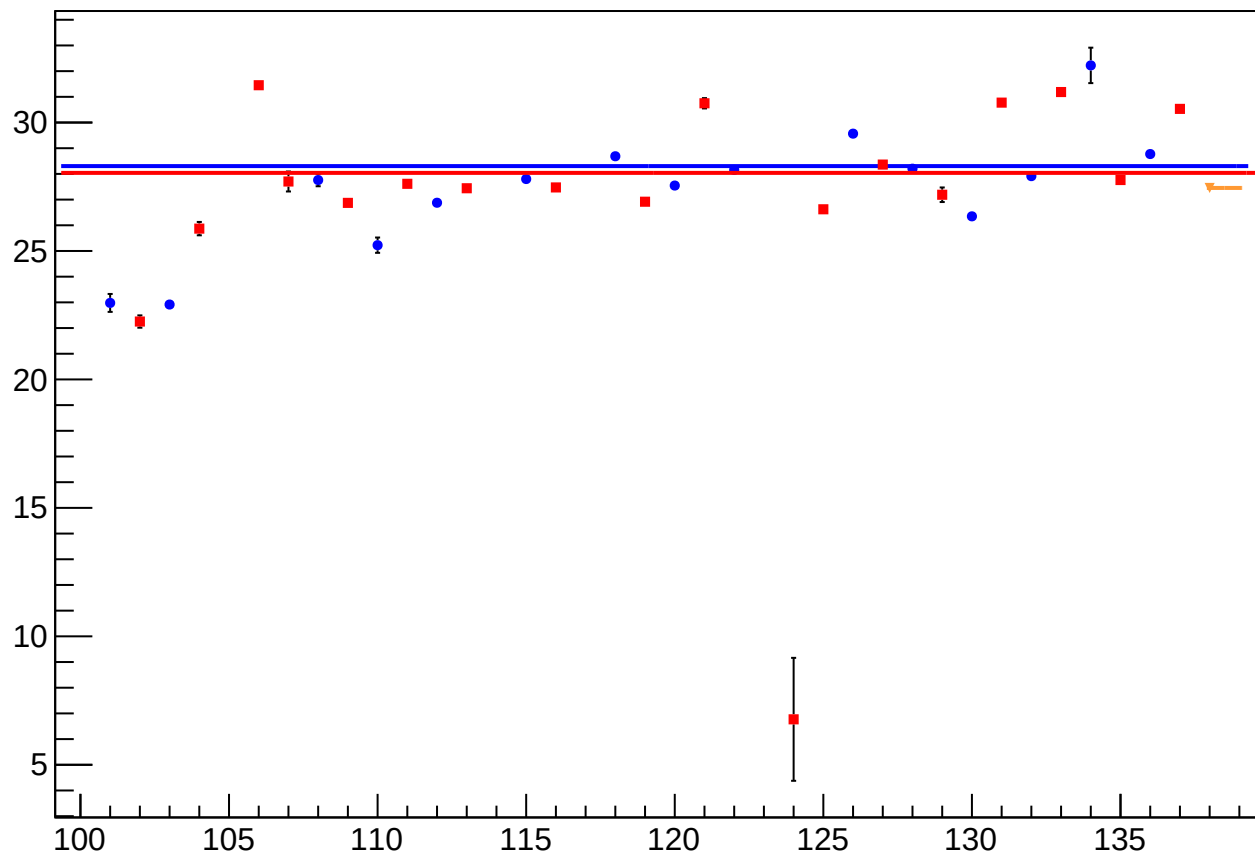
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-12.586 \pm 0.006$   $\chi^2/\text{NDF}$ : 87137.2/15

All:  $-13.028 \pm 0.004$   $\chi^2/\text{NDF}$ : 155503.7/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_4aX\_slope vs Slug



Right In: 28.304 $\pm$ 0.023  $\chi^2$ /NDF: 3400.0/14

Left Out: 27.454 $\pm$ 0.119  $\chi^2$ /NDF: 0.0/0

Right Out: 28.040 $\pm$ 0.030  $\chi^2$ /NDF: 2561.5/17

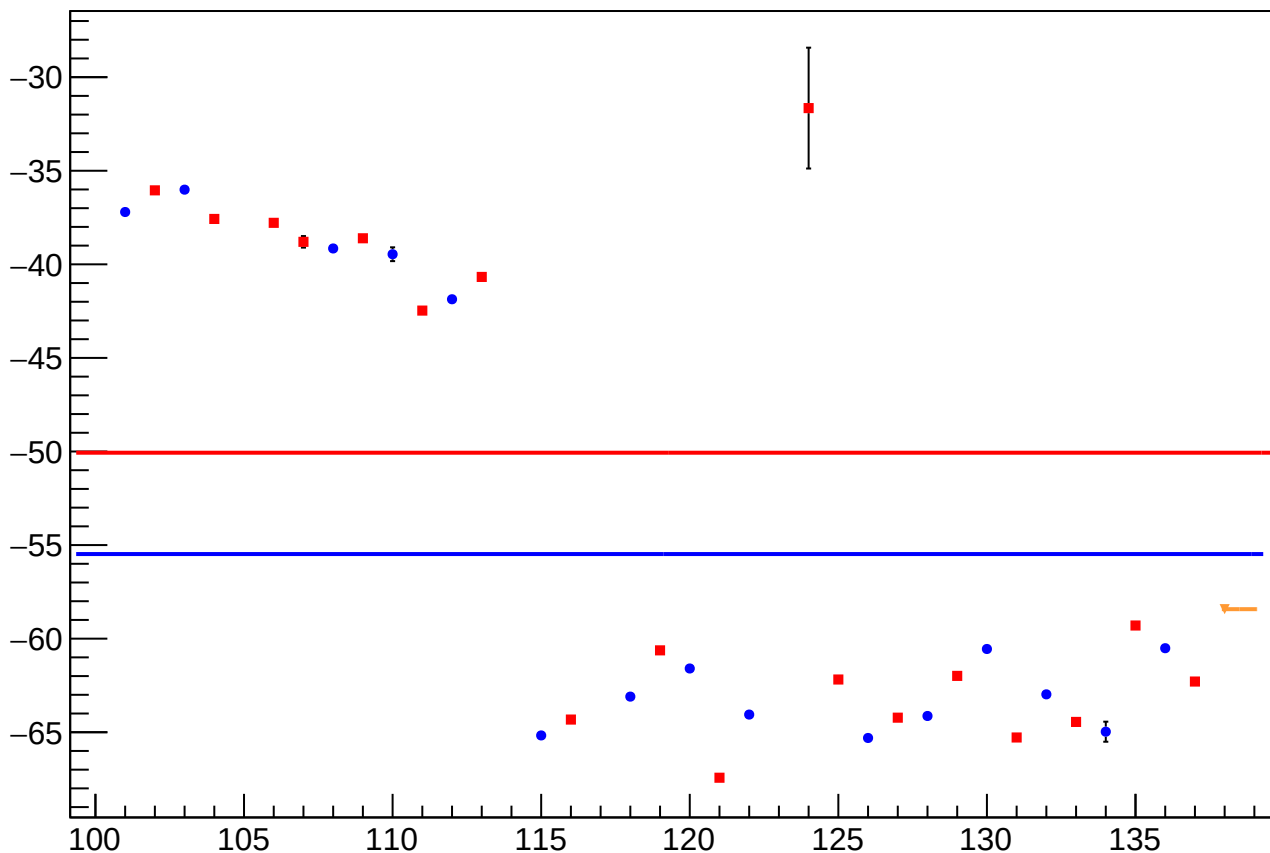
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 28.273 $\pm$ 0.023  $\chi^2$ /NDF: 3449.2/15

All: 28.190 $\pm$ 0.018  $\chi^2$ /NDF: 6048.7/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_4eX\_slope vs Slug



Right In:  $-55.480 \pm 0.017$   $\chi^2/\text{NDF}: 595140.3/14$

Left Out:  $-58.425 \pm 0.112$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-50.065 \pm 0.023$   $\chi^2/\text{NDF}: 340098.3/17$

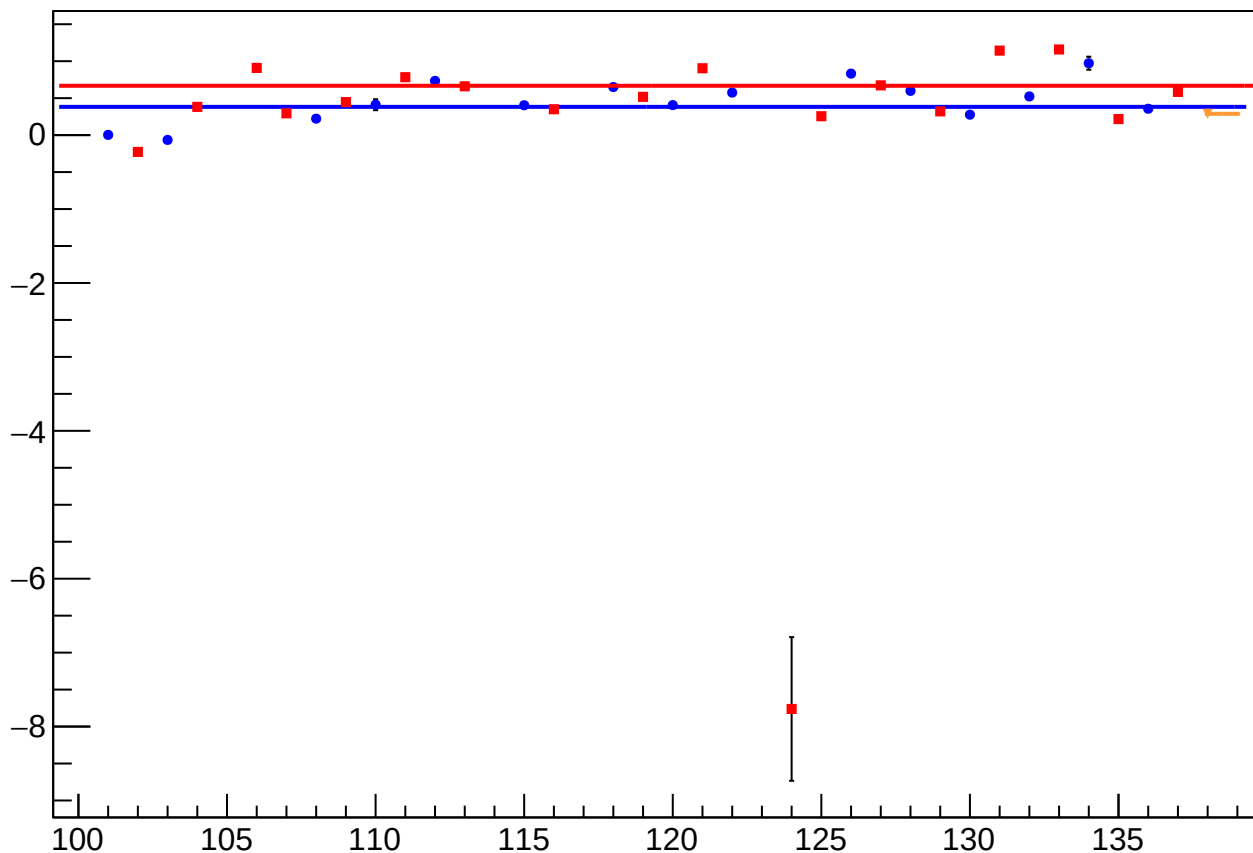
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-55.543 \pm 0.016$   $\chi^2/\text{NDF}: 595818.7/15$

All:  $-53.712 \pm 0.013$   $\chi^2/\text{NDF}: 973271.1/33$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam8\_11X12X\_slope vs Slug



Right In: 0.382 $\pm$ 0.002  $\chi^2$ /NDF: 4595.8/14

Left Out: 0.288 $\pm$ 0.008  $\chi^2$ /NDF: 0.0/0

Right Out: 0.668 $\pm$ 0.005  $\chi^2$ /NDF: 3704.8/17

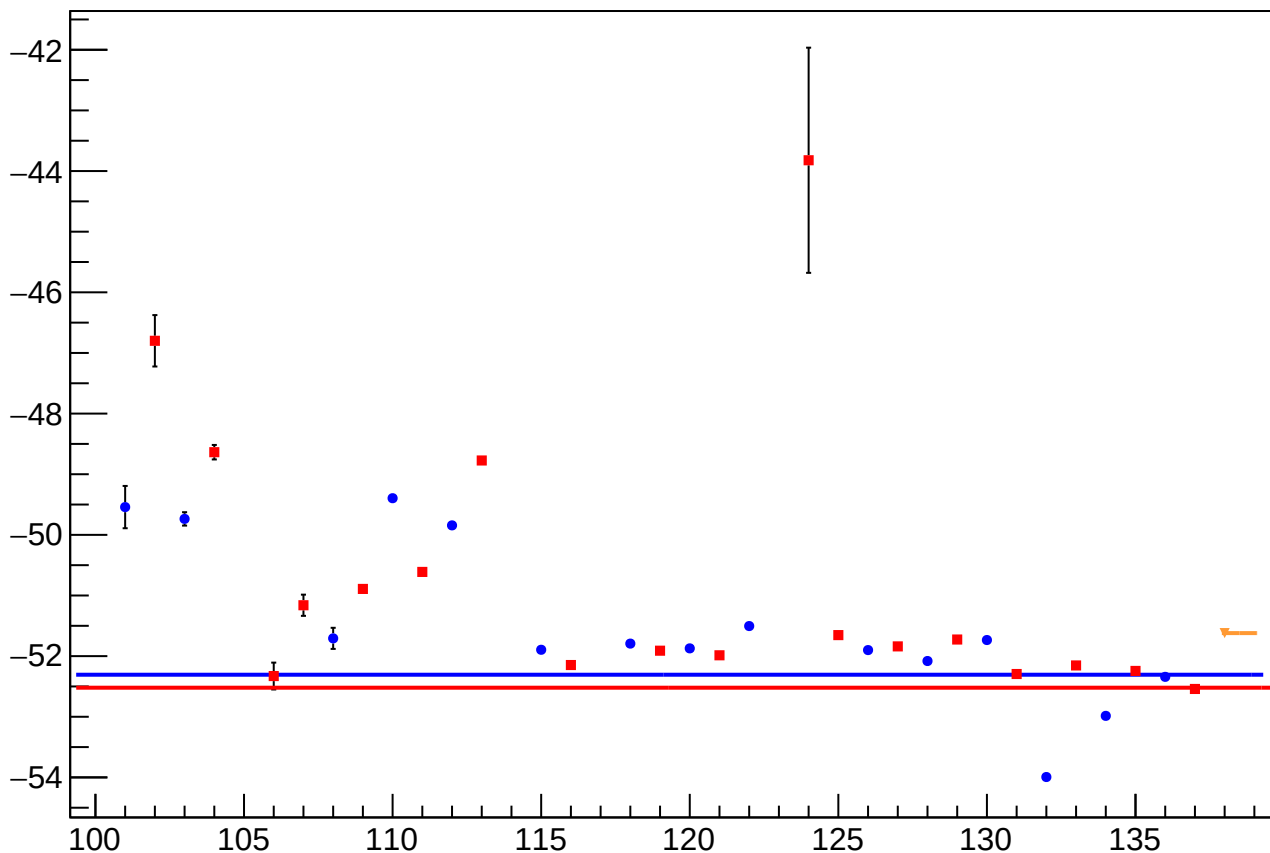
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.379 $\pm$ 0.002  $\chi^2$ /NDF: 4719.9/15

All: 0.409 $\pm$ 0.001  $\chi^2$ /NDF: 11941.1/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_4aY\_slope vs Slug



Right In:  $-52.307 \pm 0.004$   $\chi^2/\text{NDF}$ : 25427.4/14

Left Out:  $-51.620 \pm 0.010$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-52.521 \pm 0.001$   $\chi^2/\text{NDF}$ : 14961.7/17

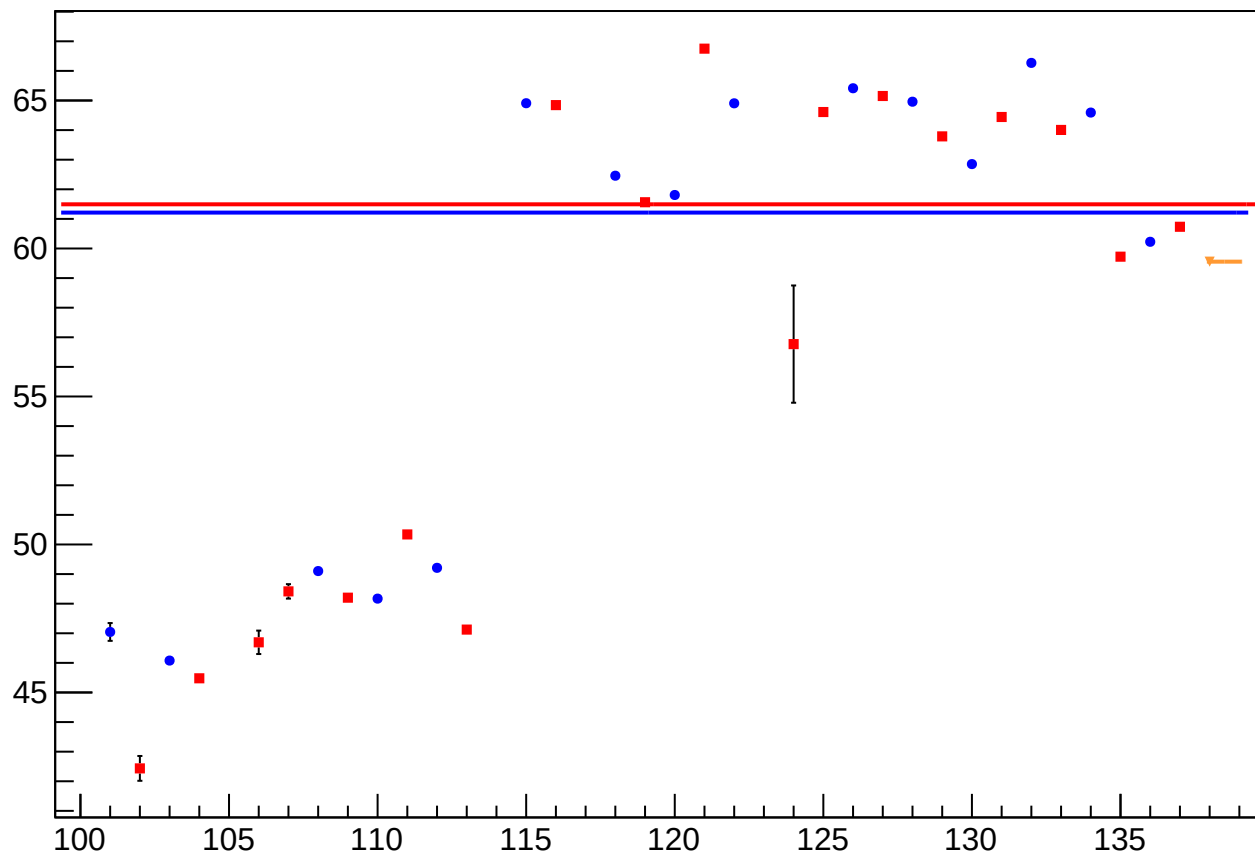
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-52.214 \pm 0.004$   $\chi^2/\text{NDF}$ : 29664.2/15

All:  $-52.494 \pm 0.001$   $\chi^2/\text{NDF}$ : 51243.9/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_4eY\_slope vs Slug



Right In: 61.213+/-0.010  $\chi^2/\text{NDF}$ : 156624.5/14

Left Out: 59.555+/-0.020  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 61.493+/-0.007  $\chi^2/\text{NDF}$ : 243479.8/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 60.890+/-0.009  $\chi^2/\text{NDF}$ : 162059.7/15

All: 61.274+/-0.005  $\chi^2/\text{NDF}$ : 408461.4/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aX\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

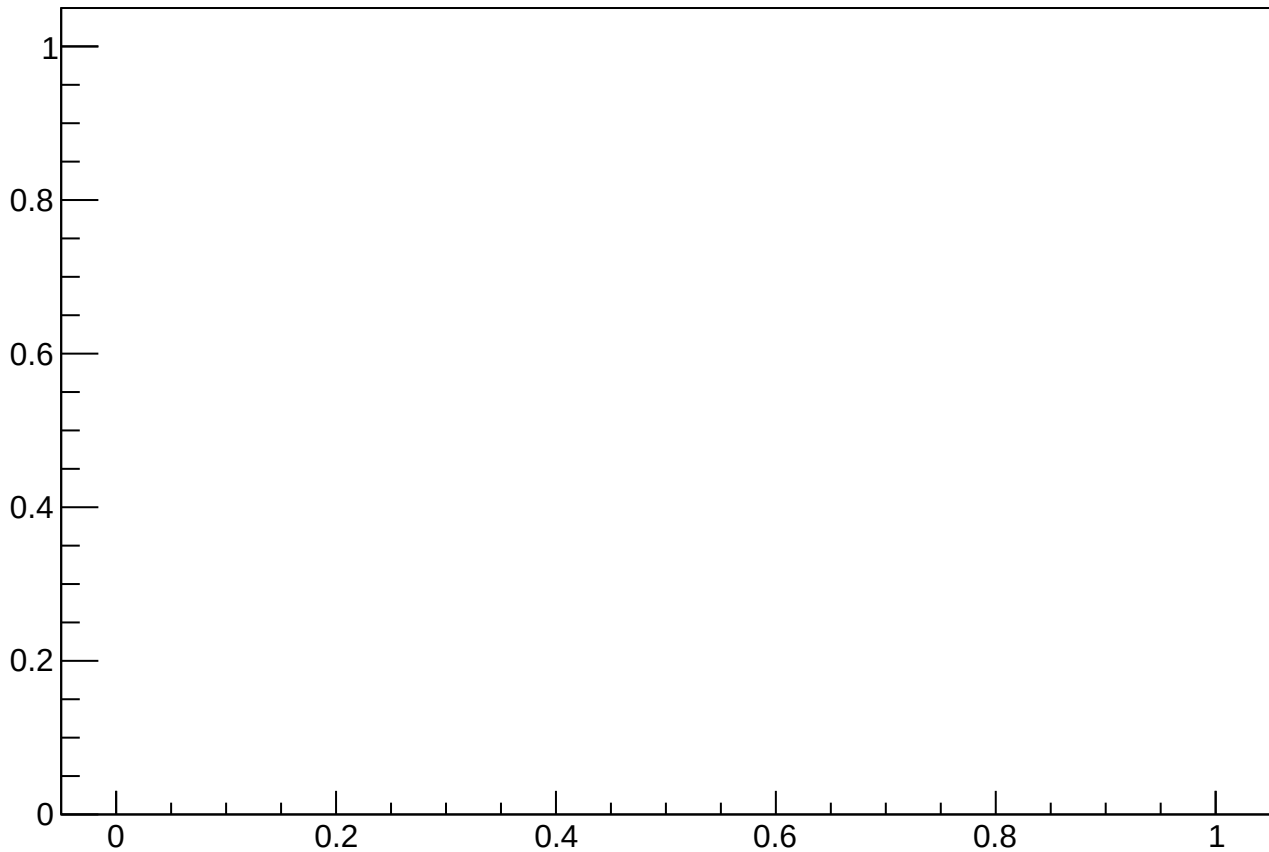
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

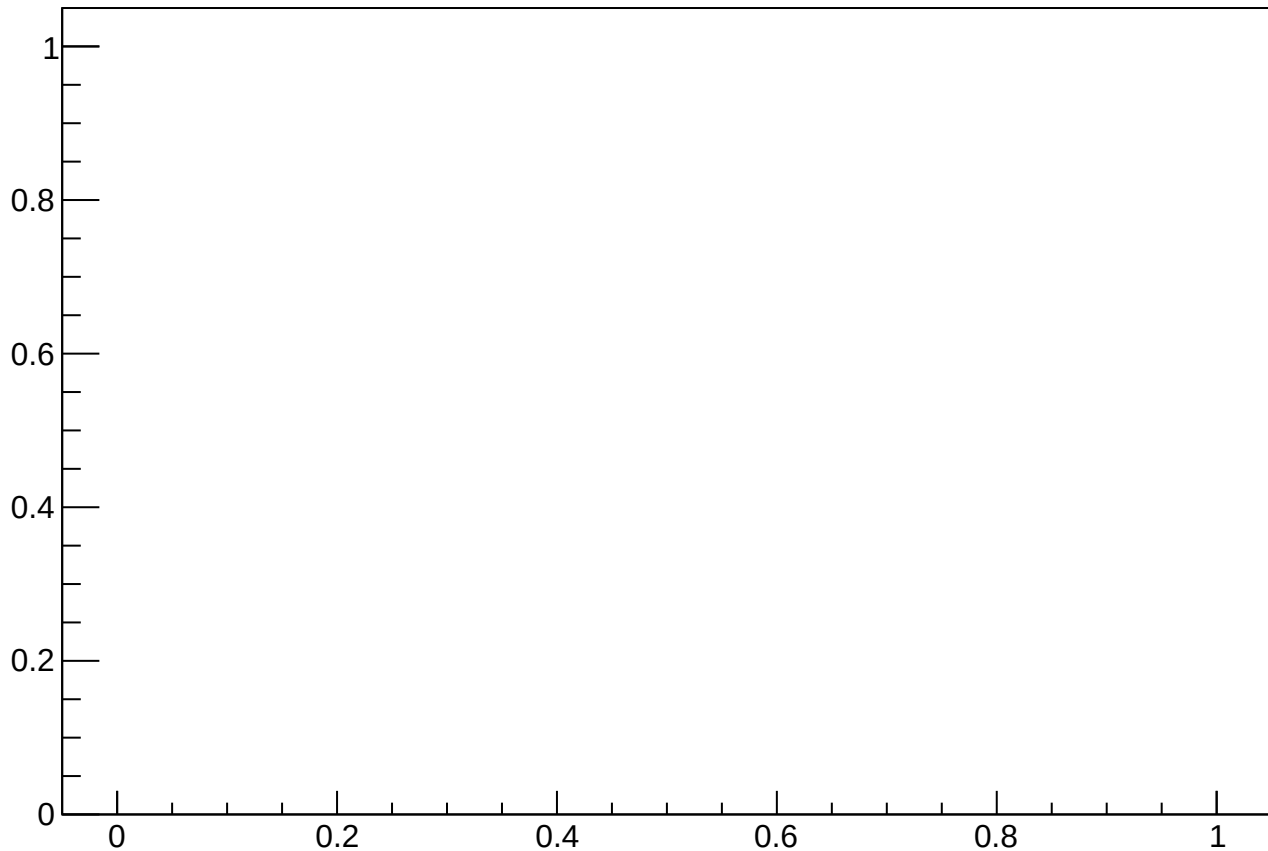
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_4aY\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usl\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

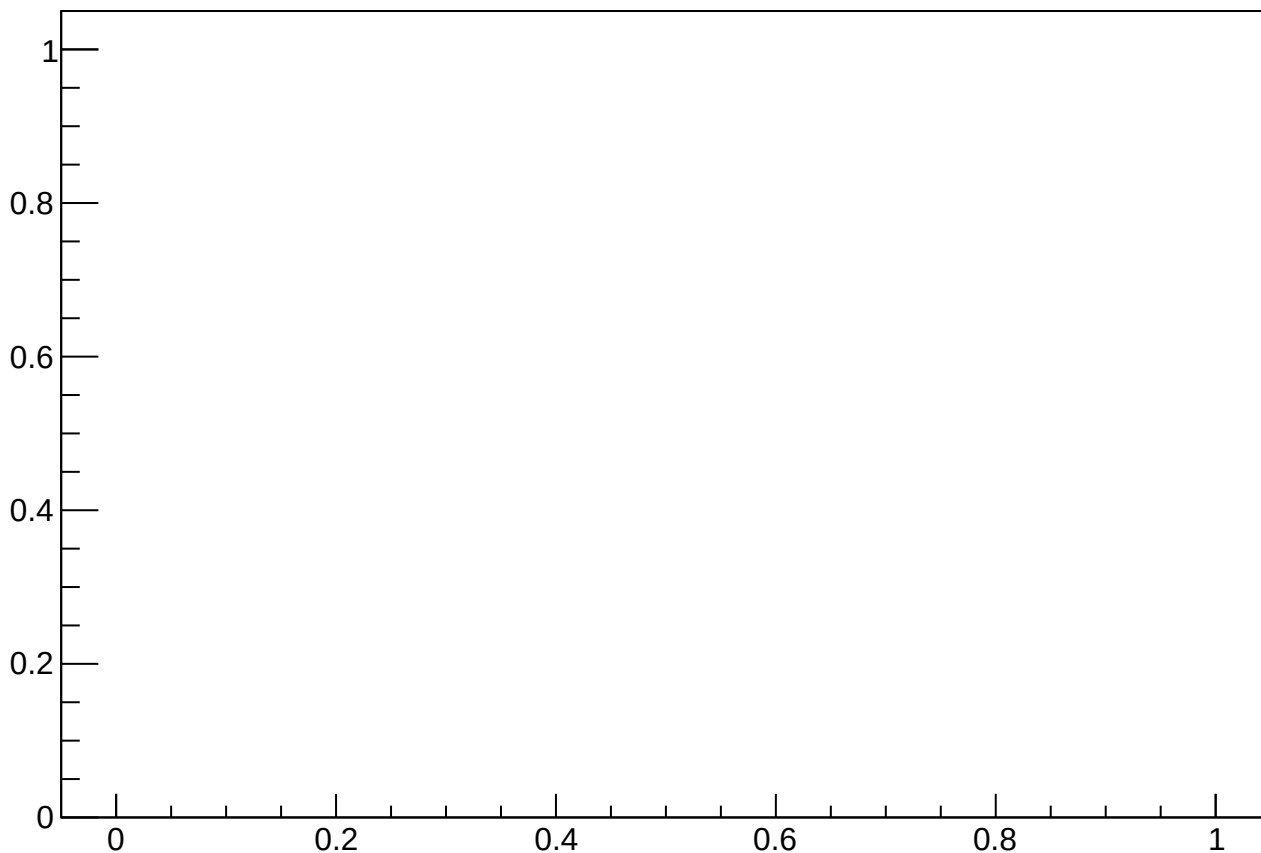
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usr\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

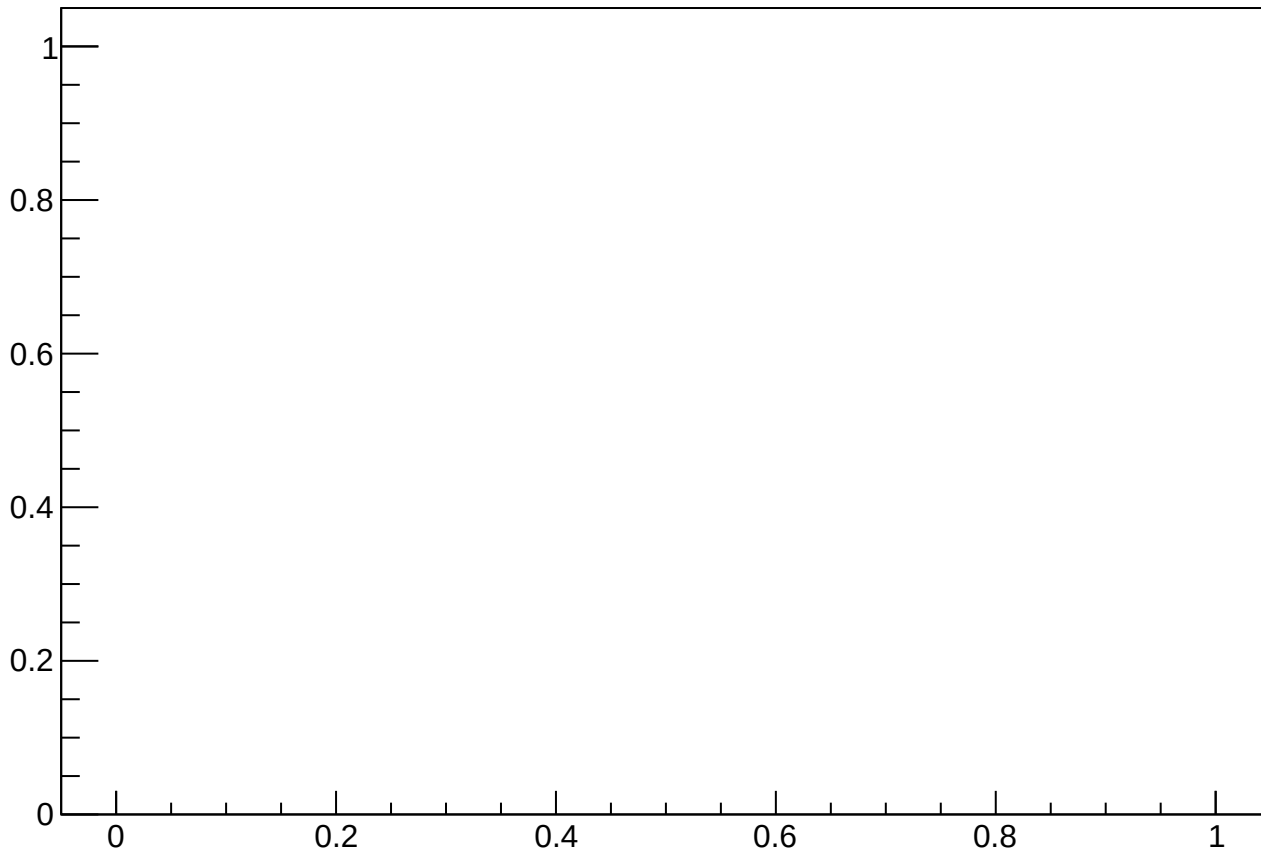
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

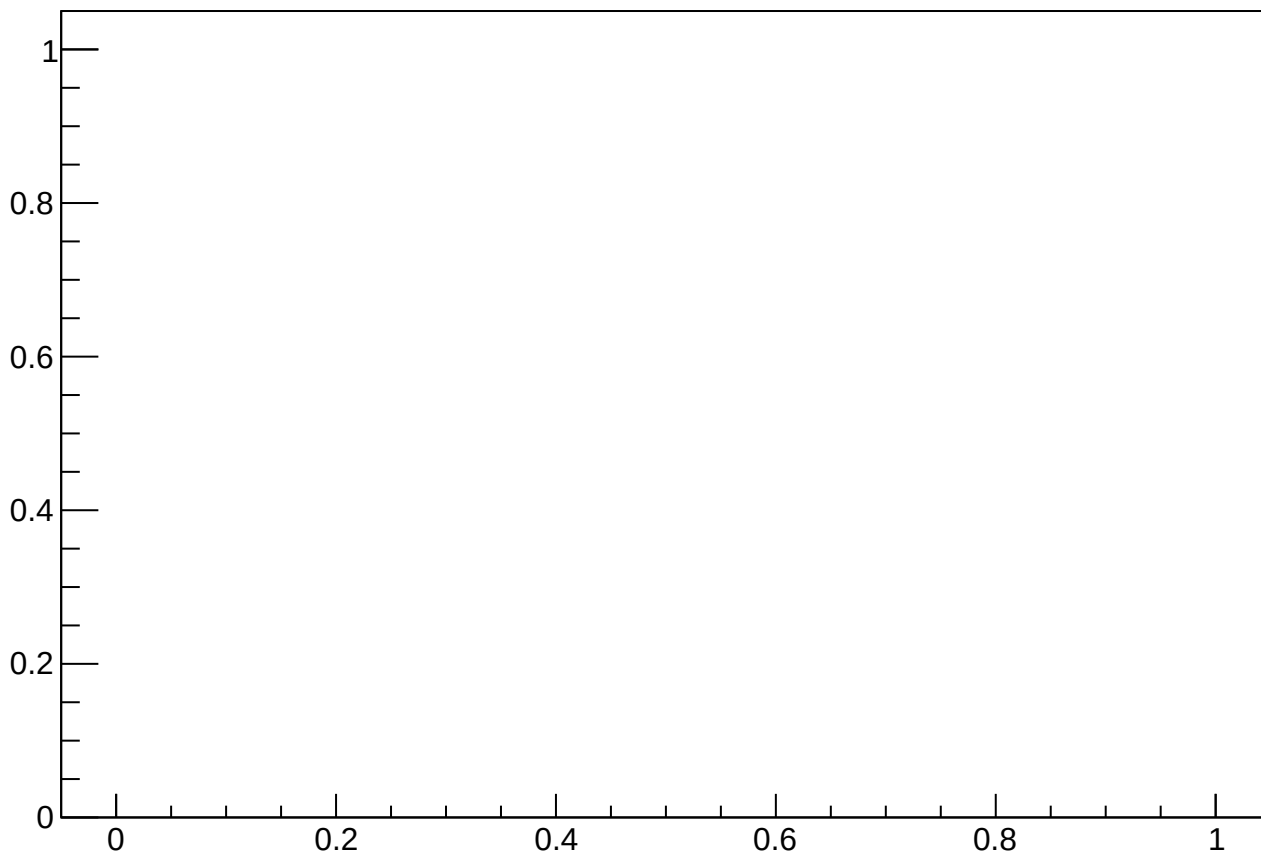
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_atl2\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

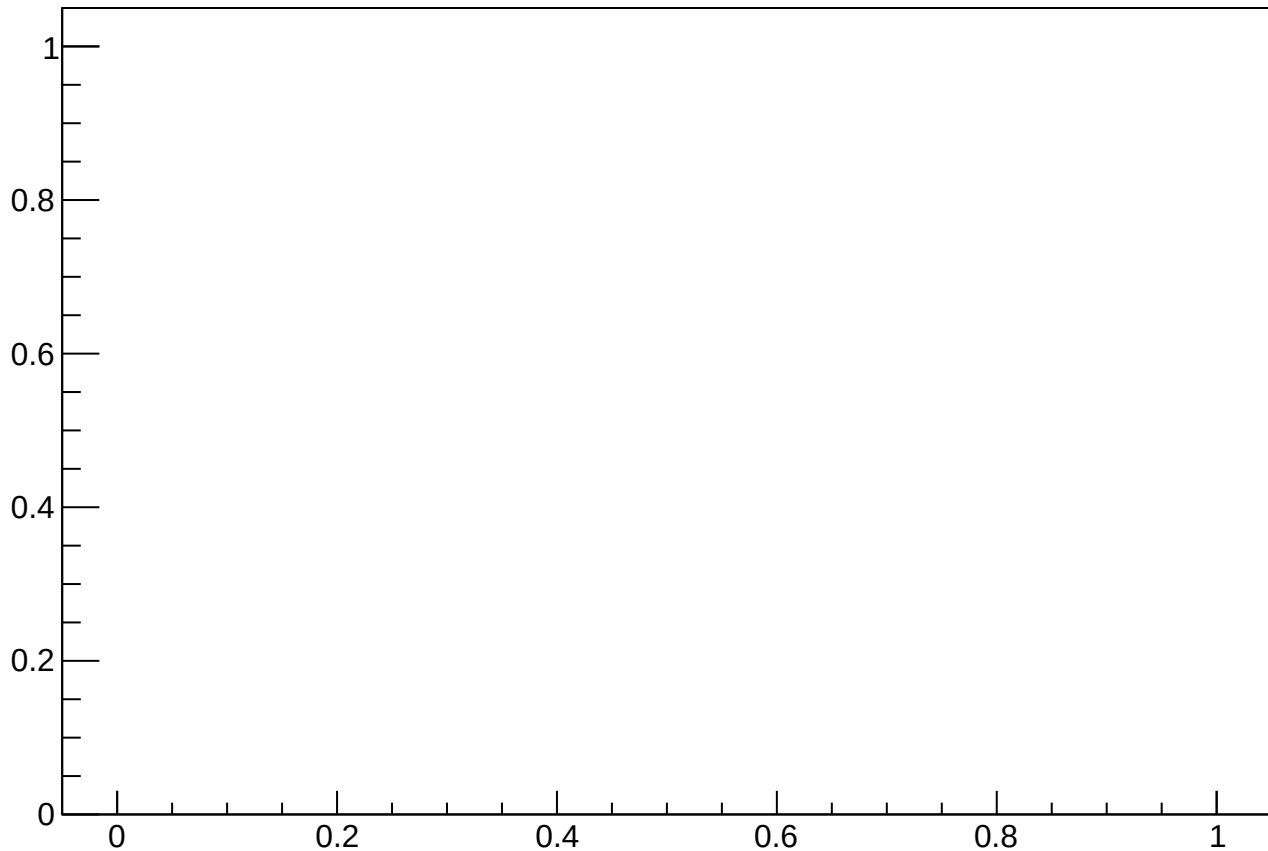
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_sam1\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam4\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam7\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_4aX\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

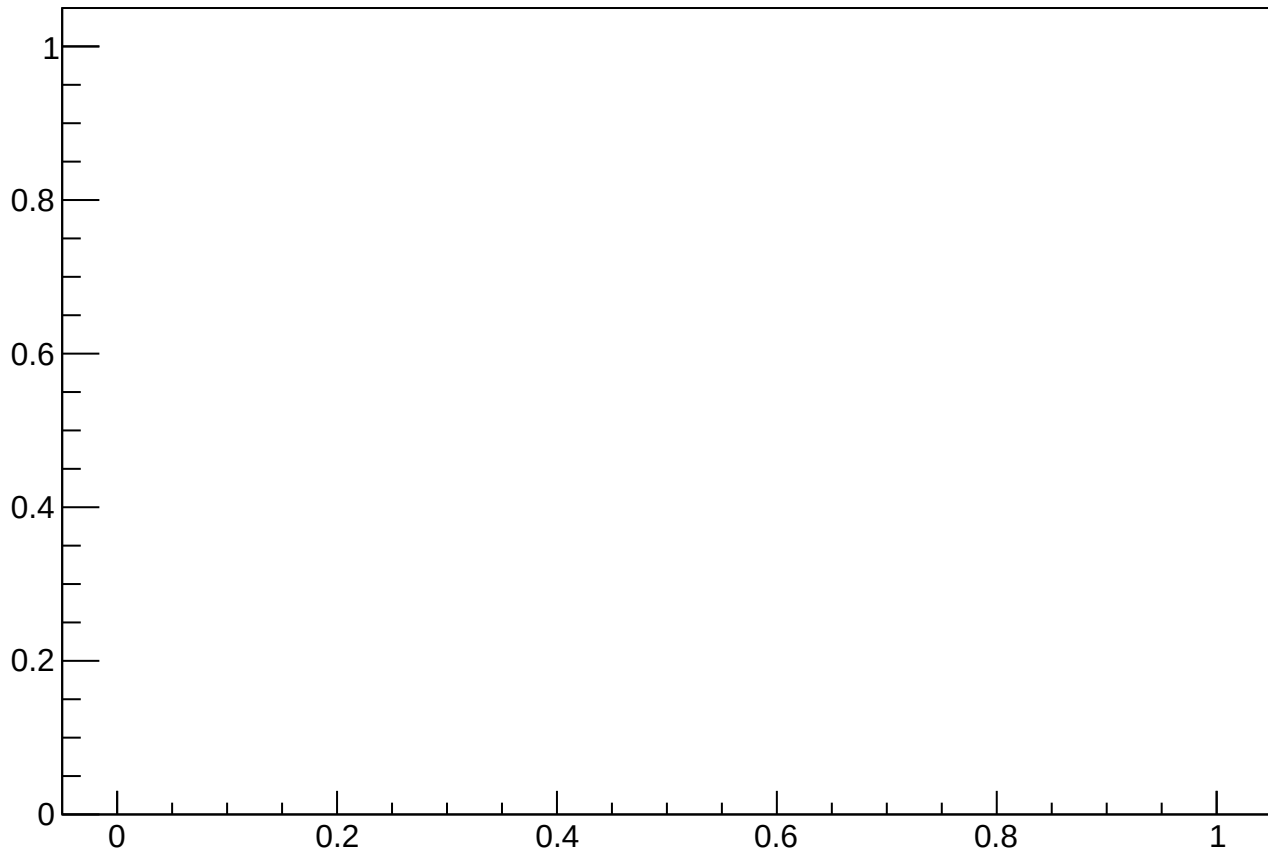
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aY\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

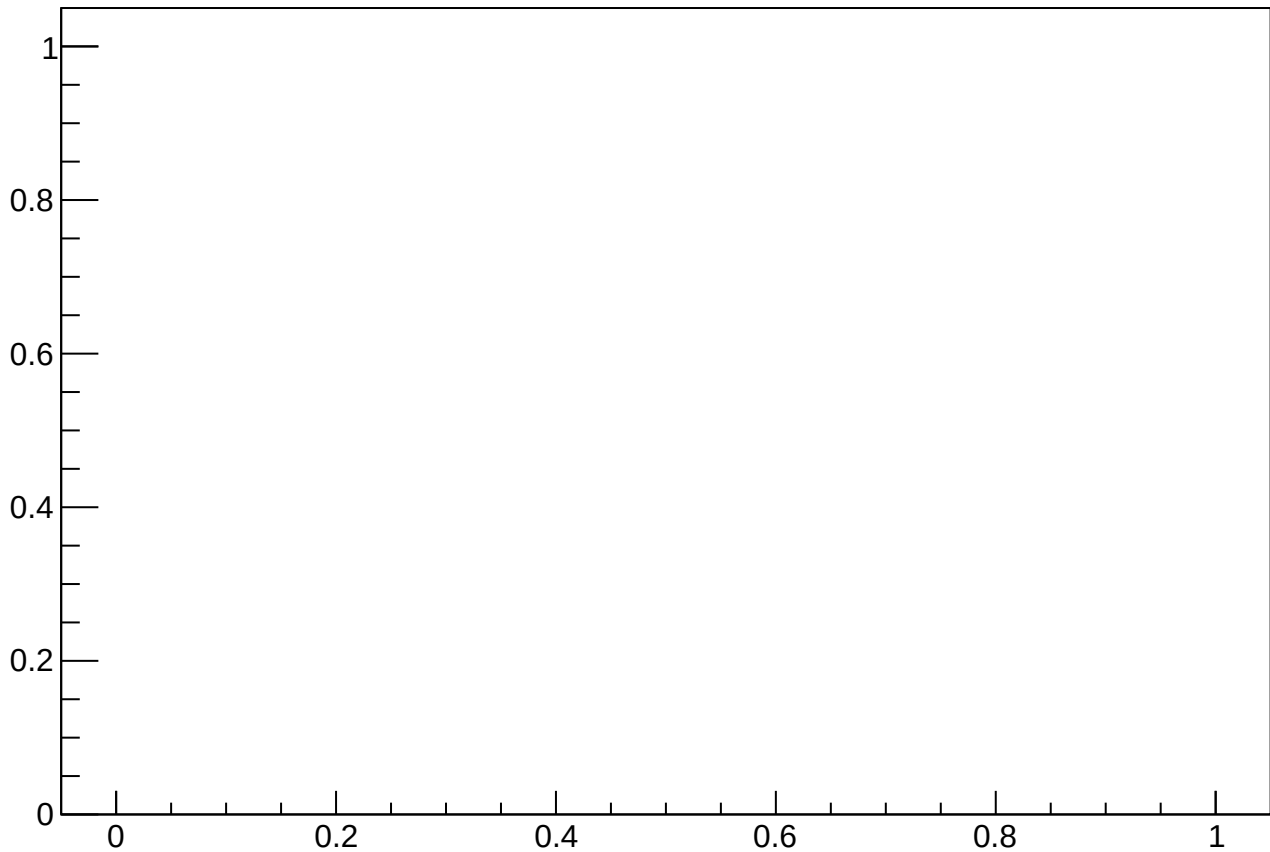
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usl\_coil3\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usl\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

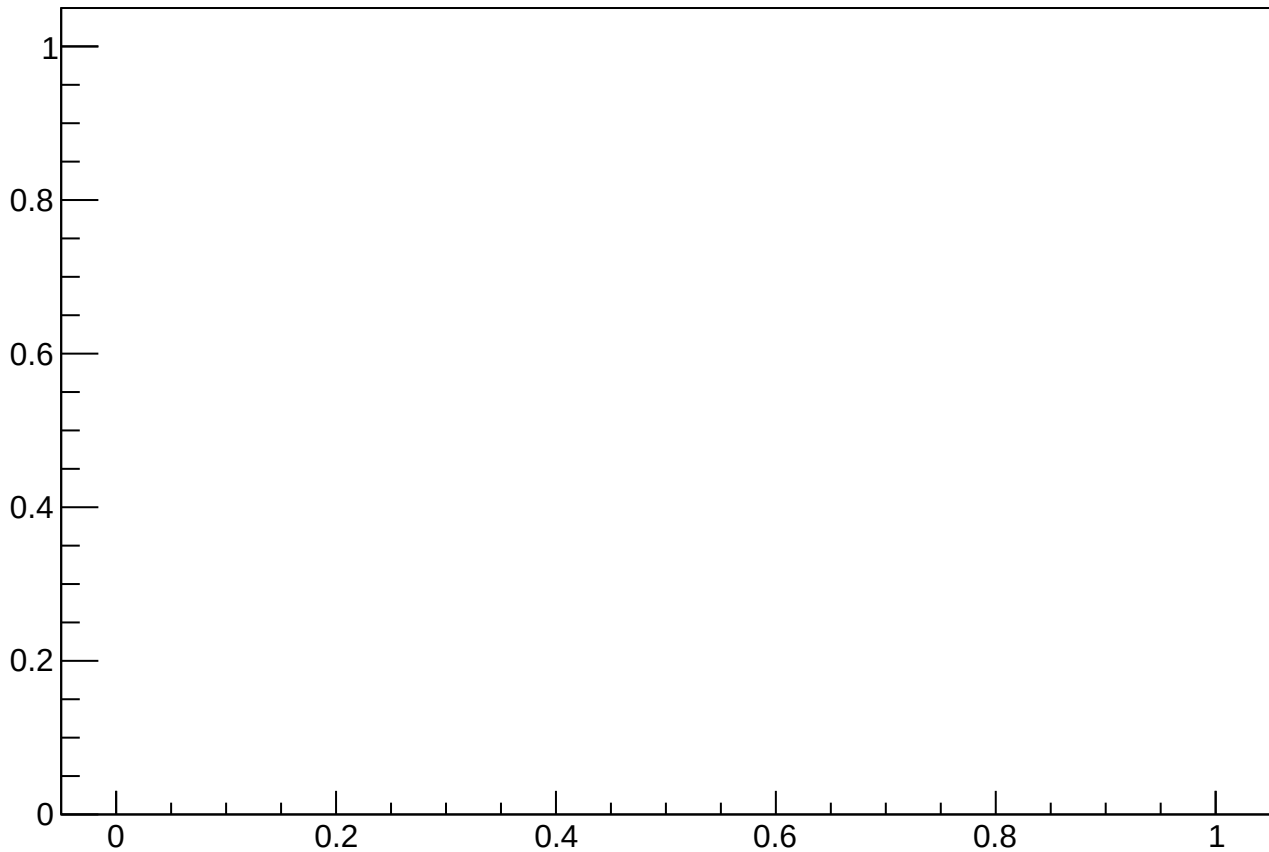
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_atl2\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

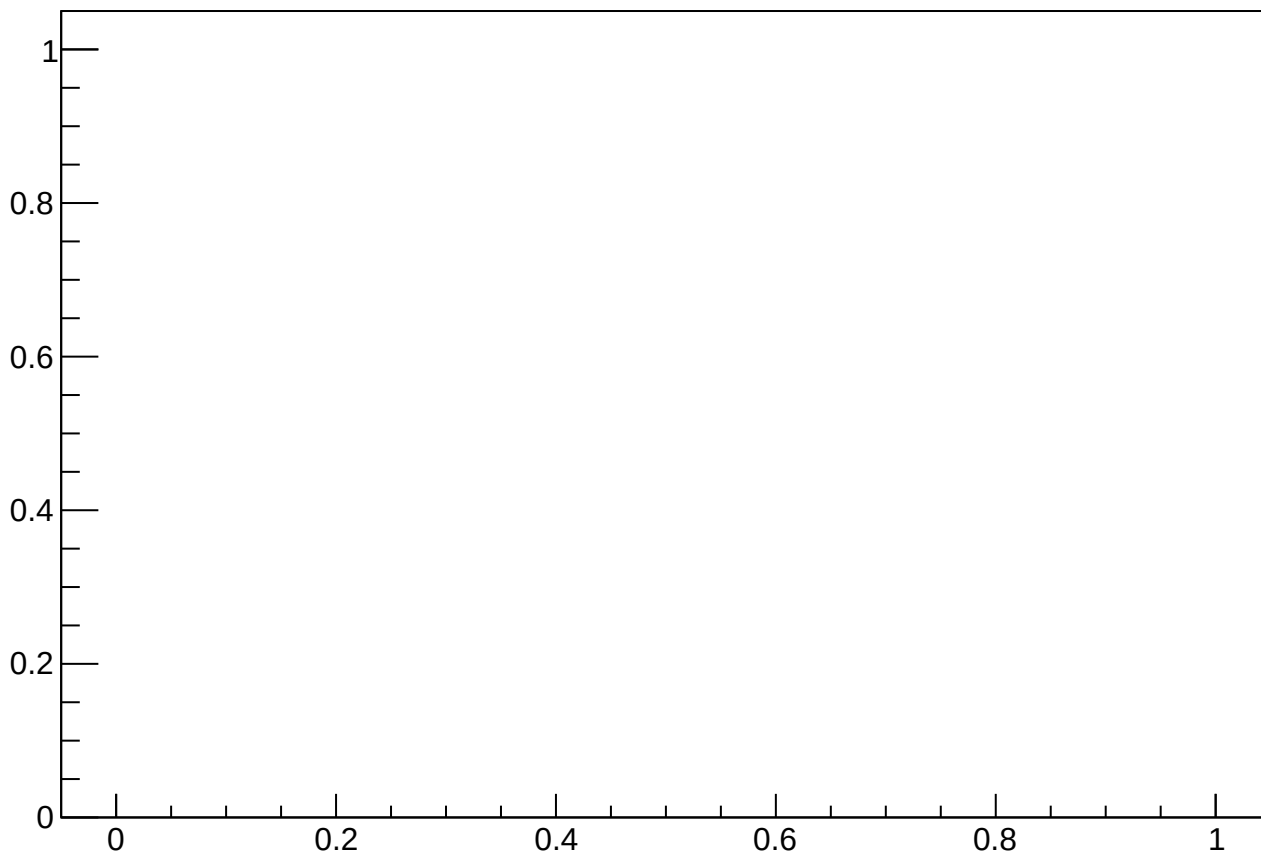
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

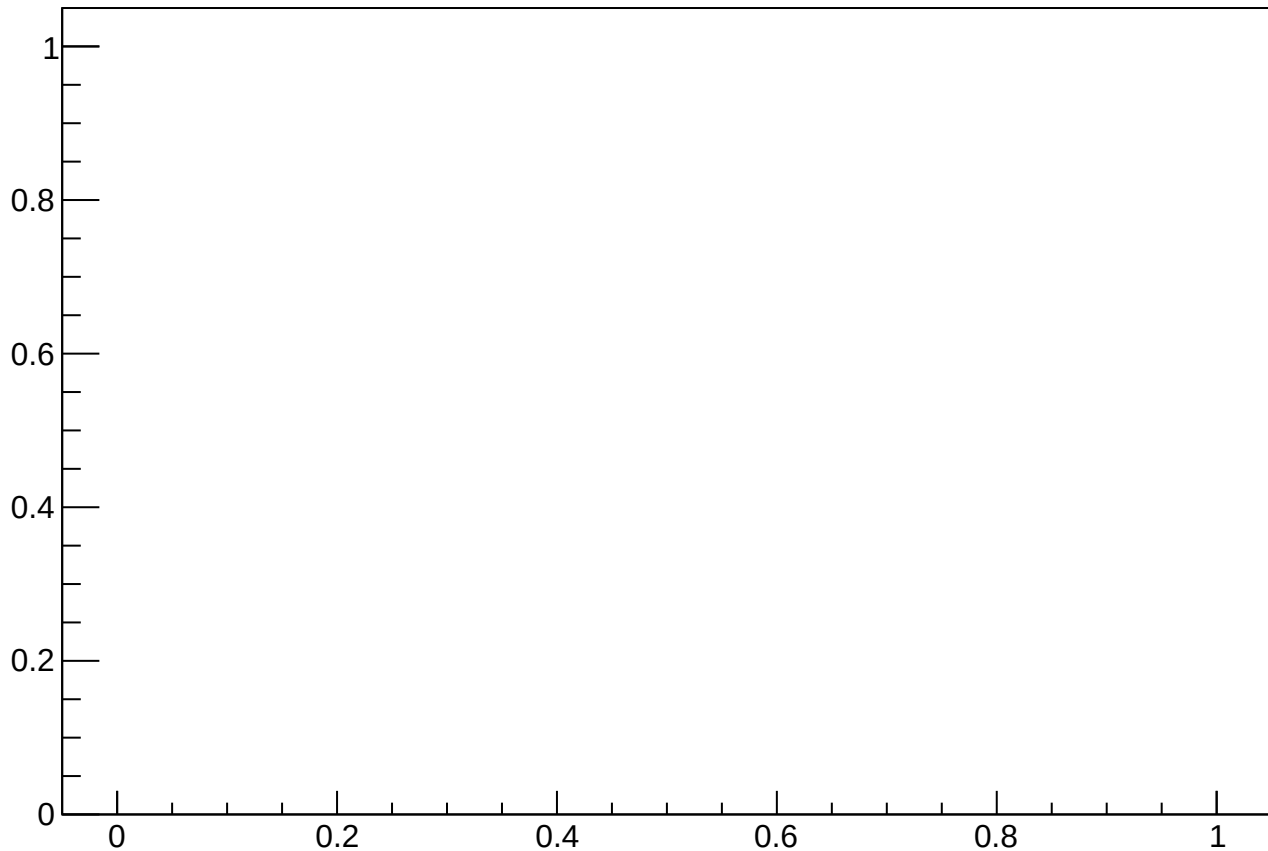
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam1\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil3\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam2\_coil3\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

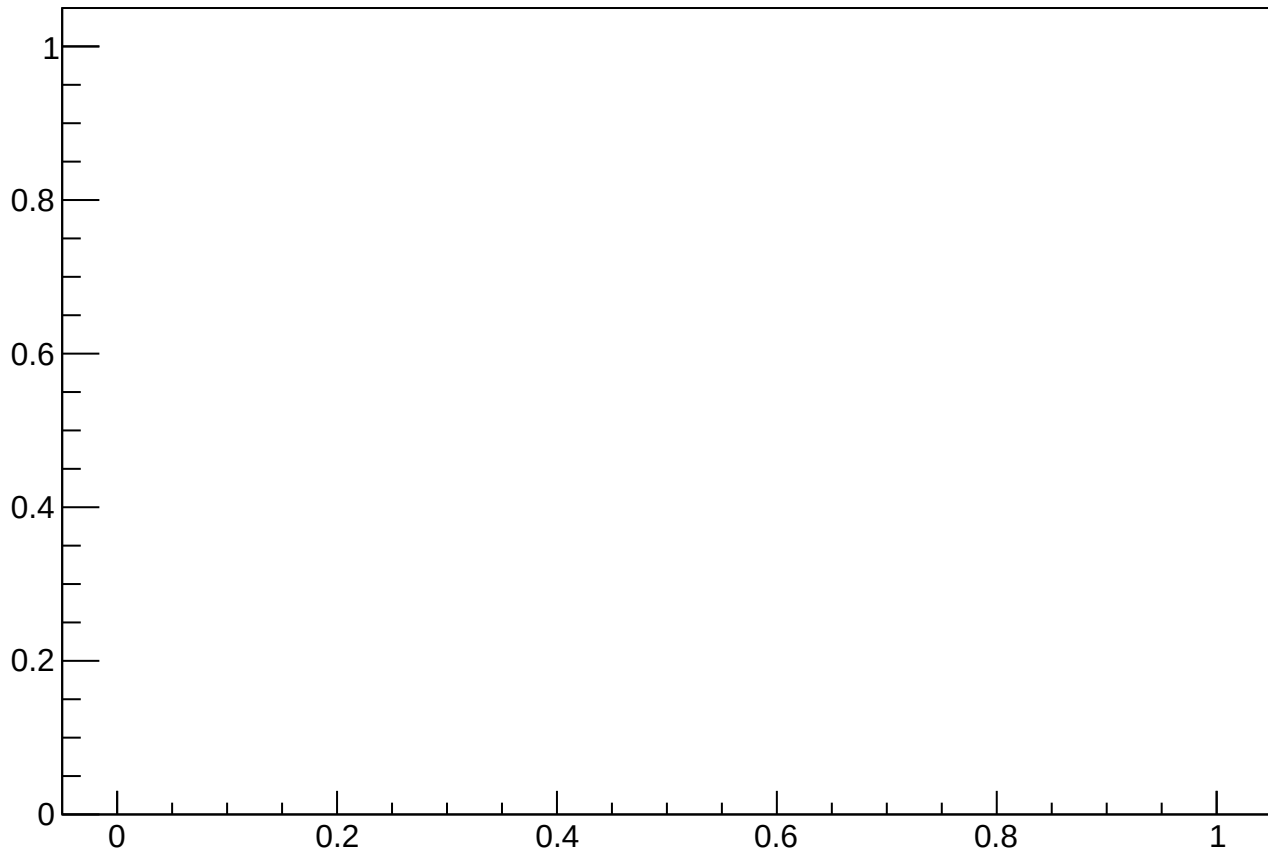
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam3\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam3\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil3\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

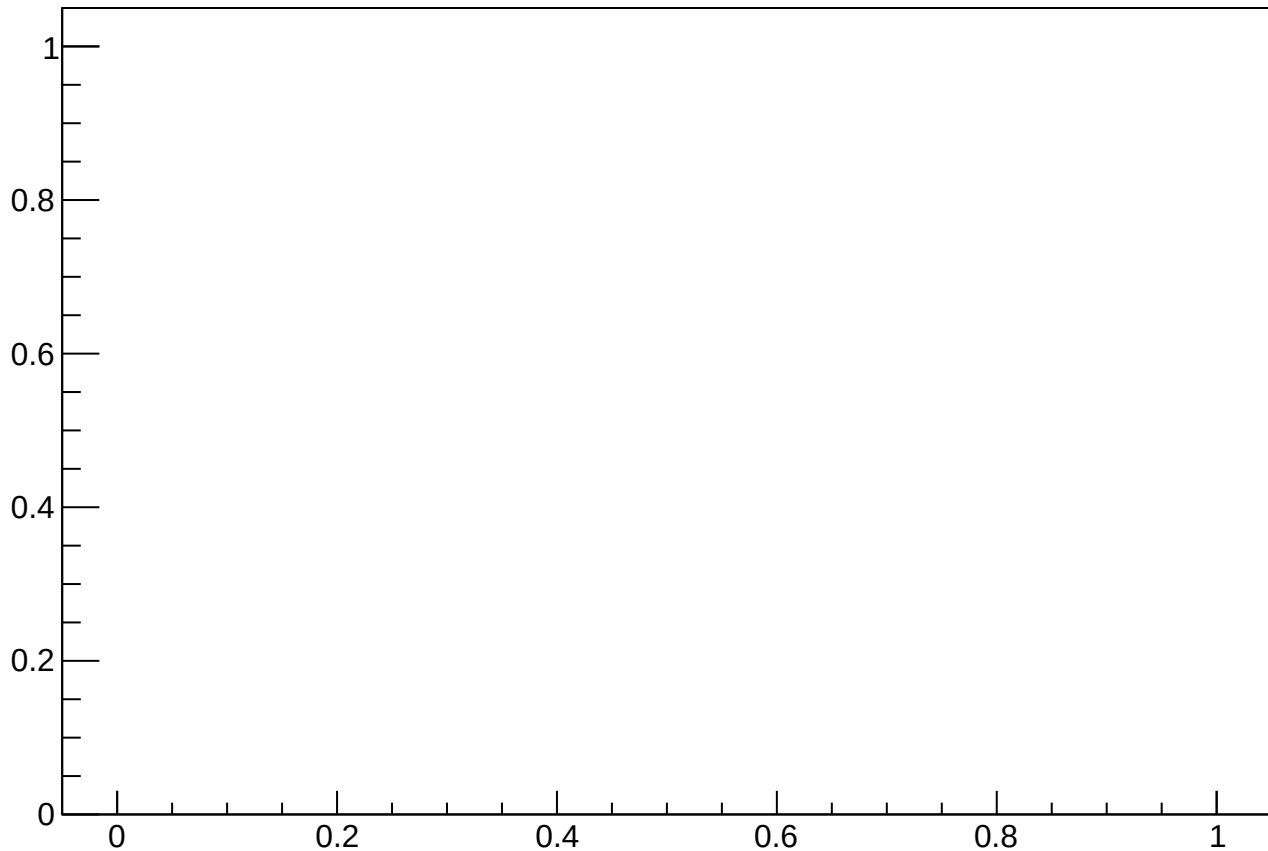
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil3\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil3\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

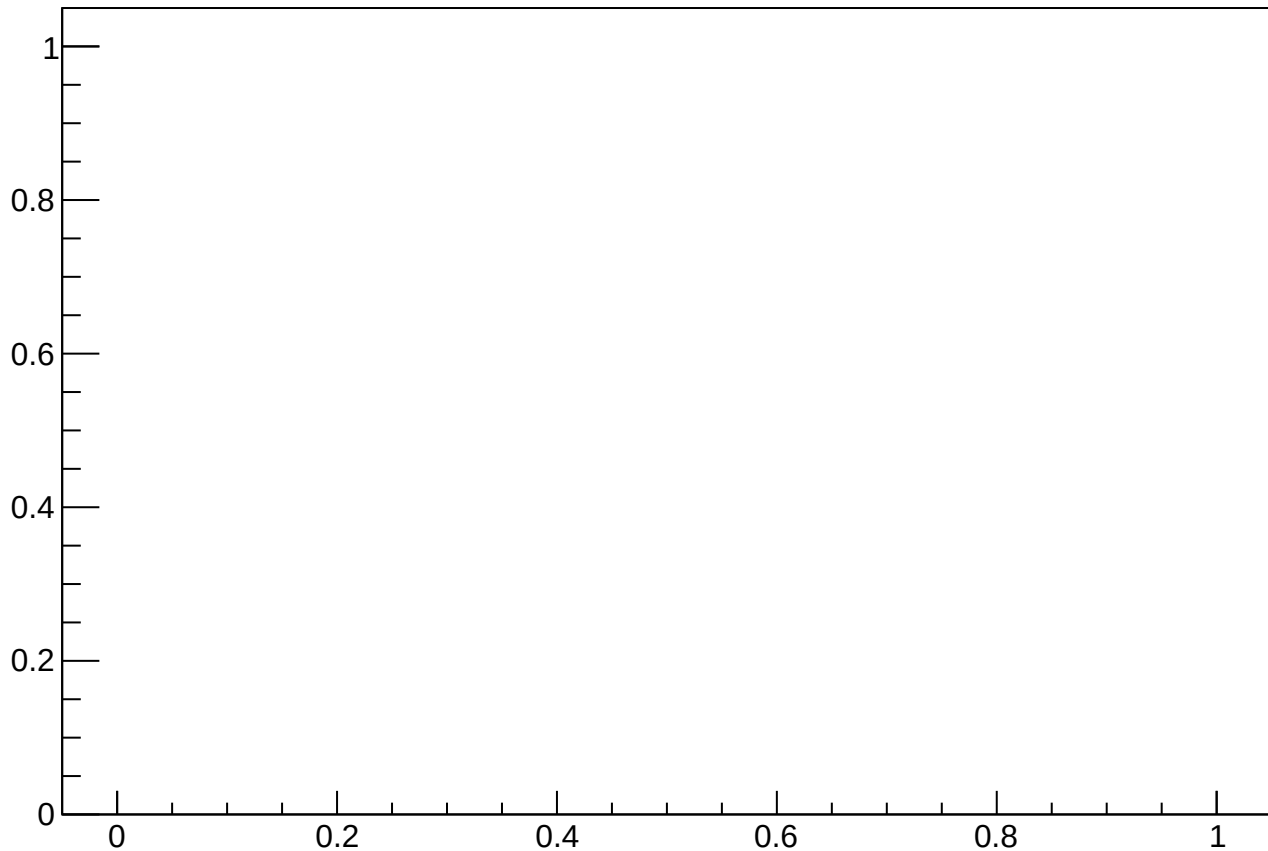
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_sam6\_coil3\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam8\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aX\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

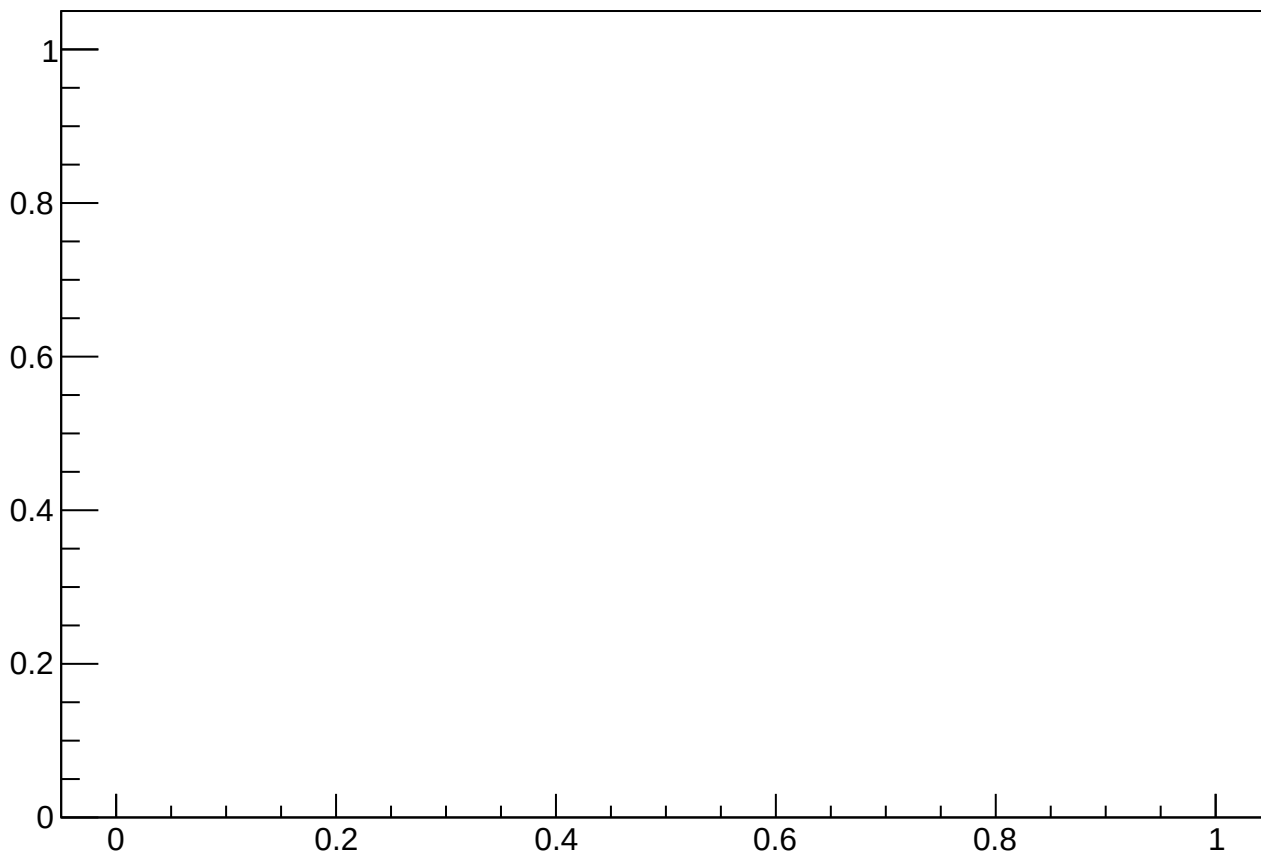
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_11X12X\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usl\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usl\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

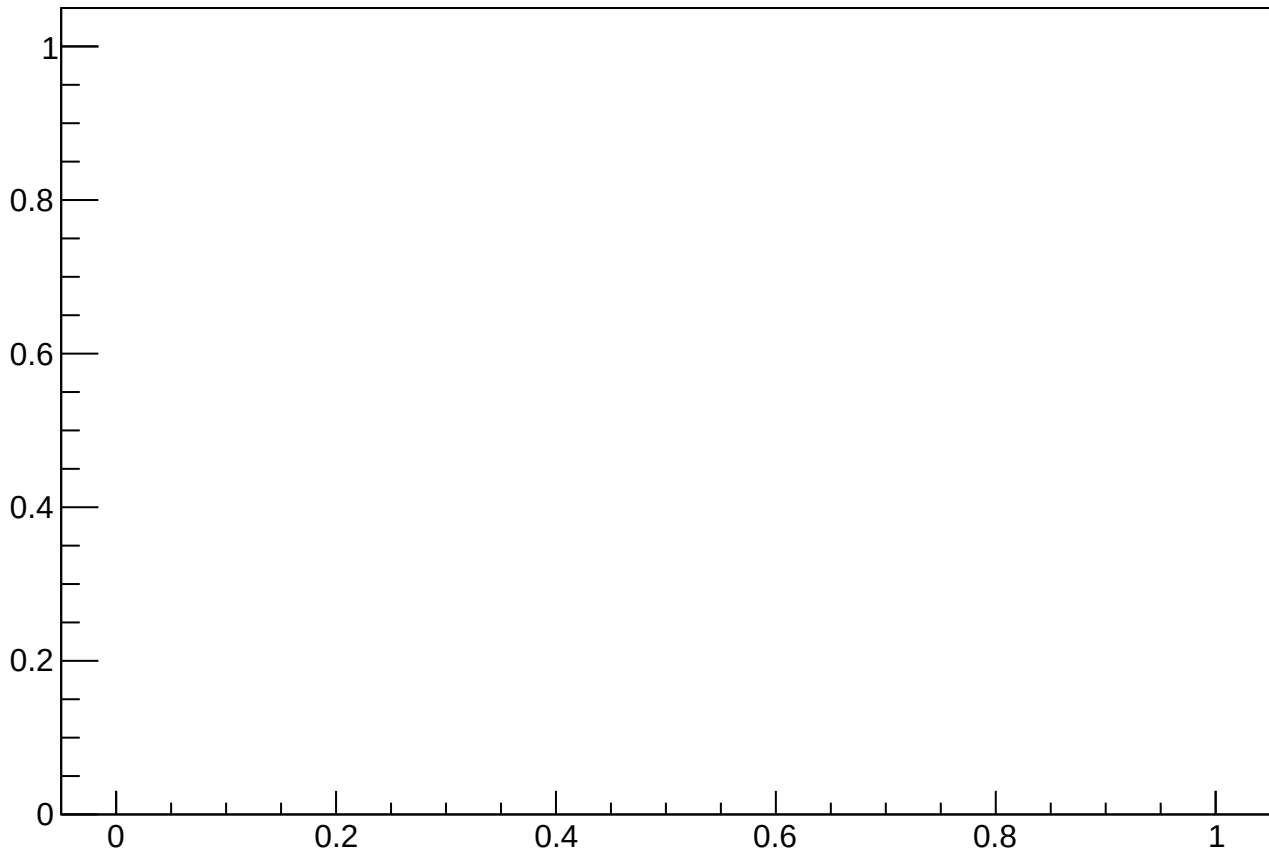
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl2\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

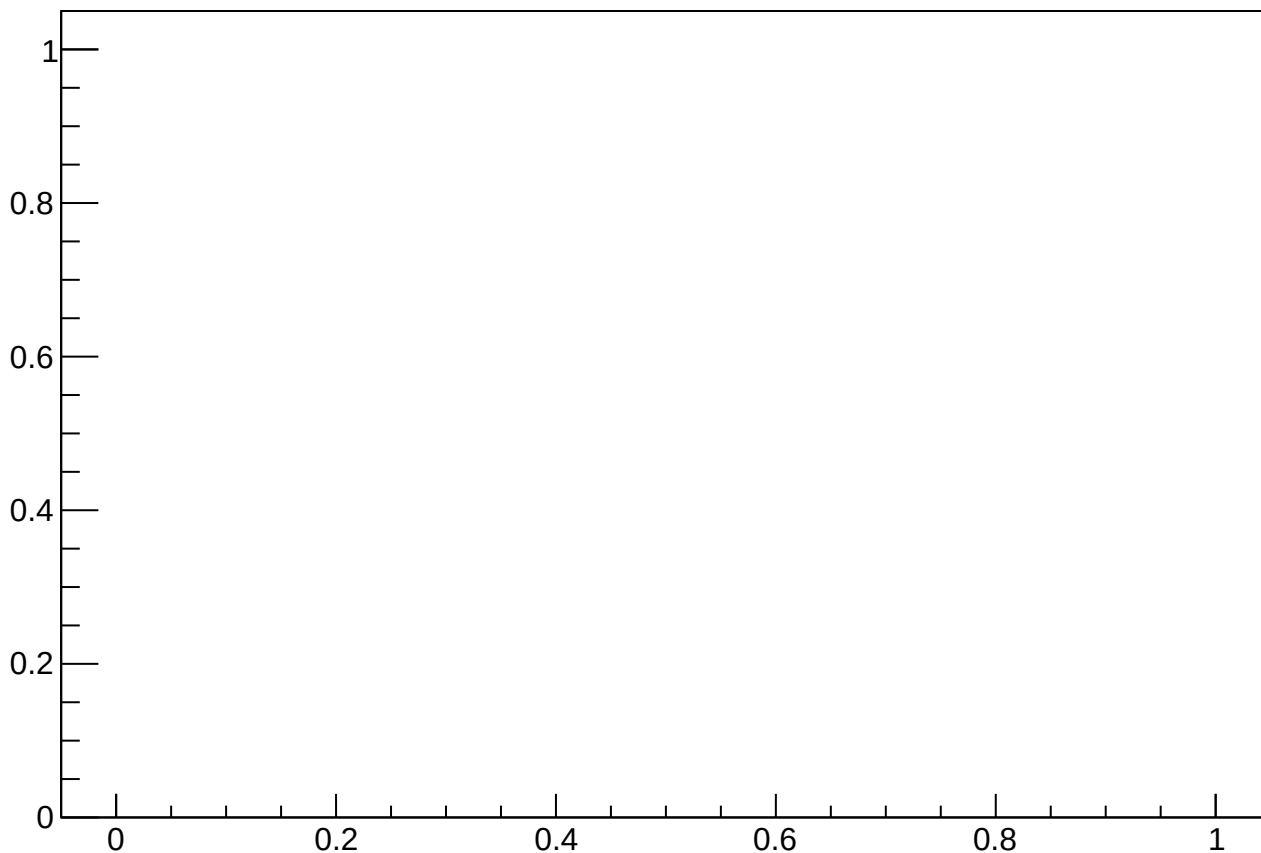
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

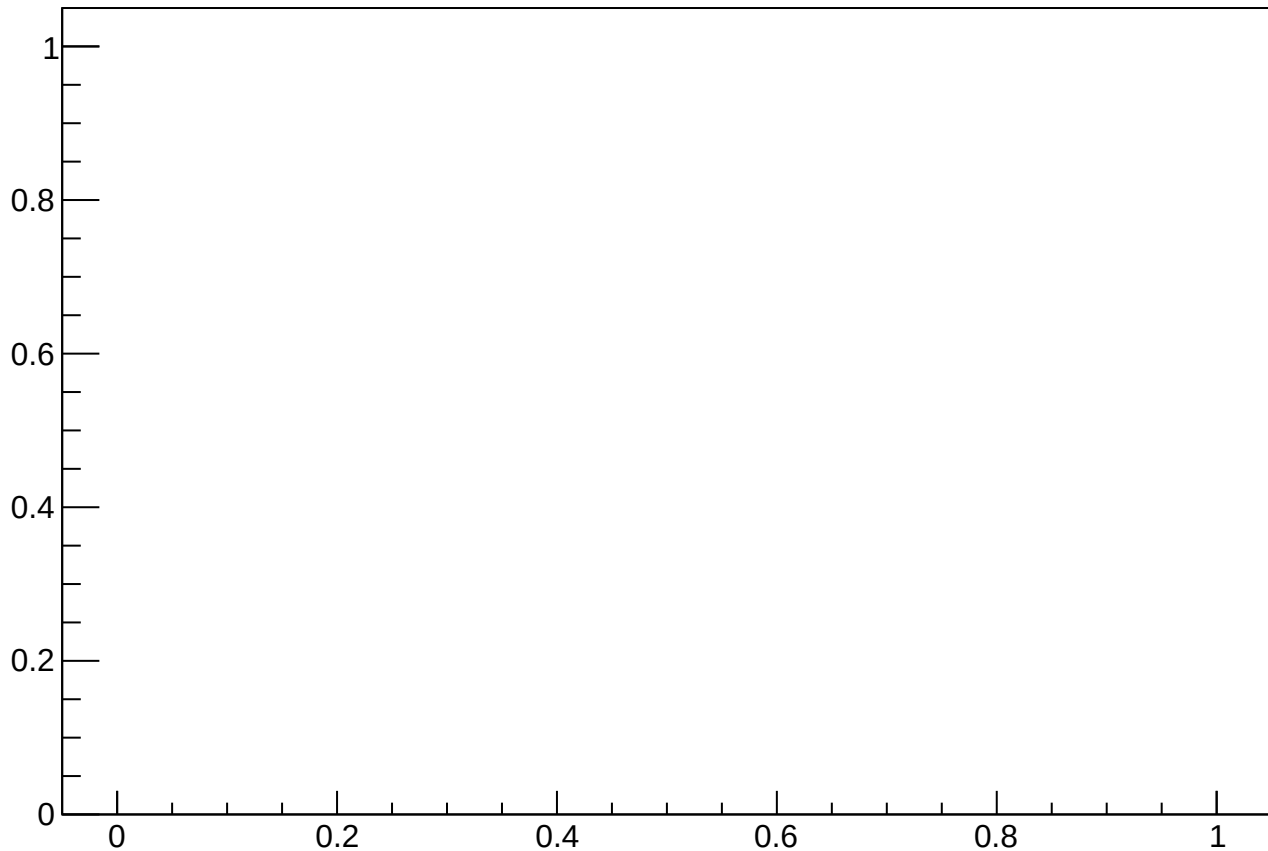
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

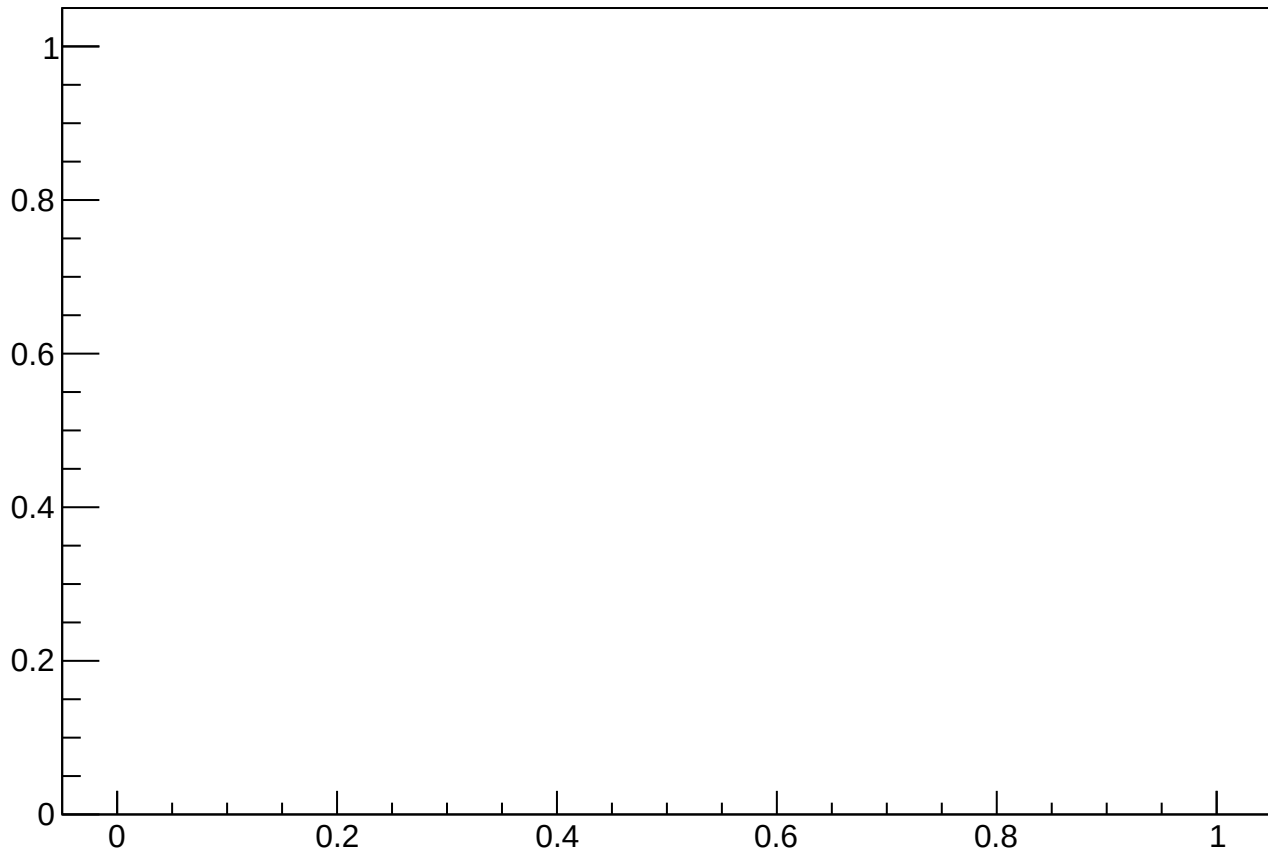
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_atr2\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam2\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam3\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam5\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam6\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam7\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam8\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eX\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_11X12X\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

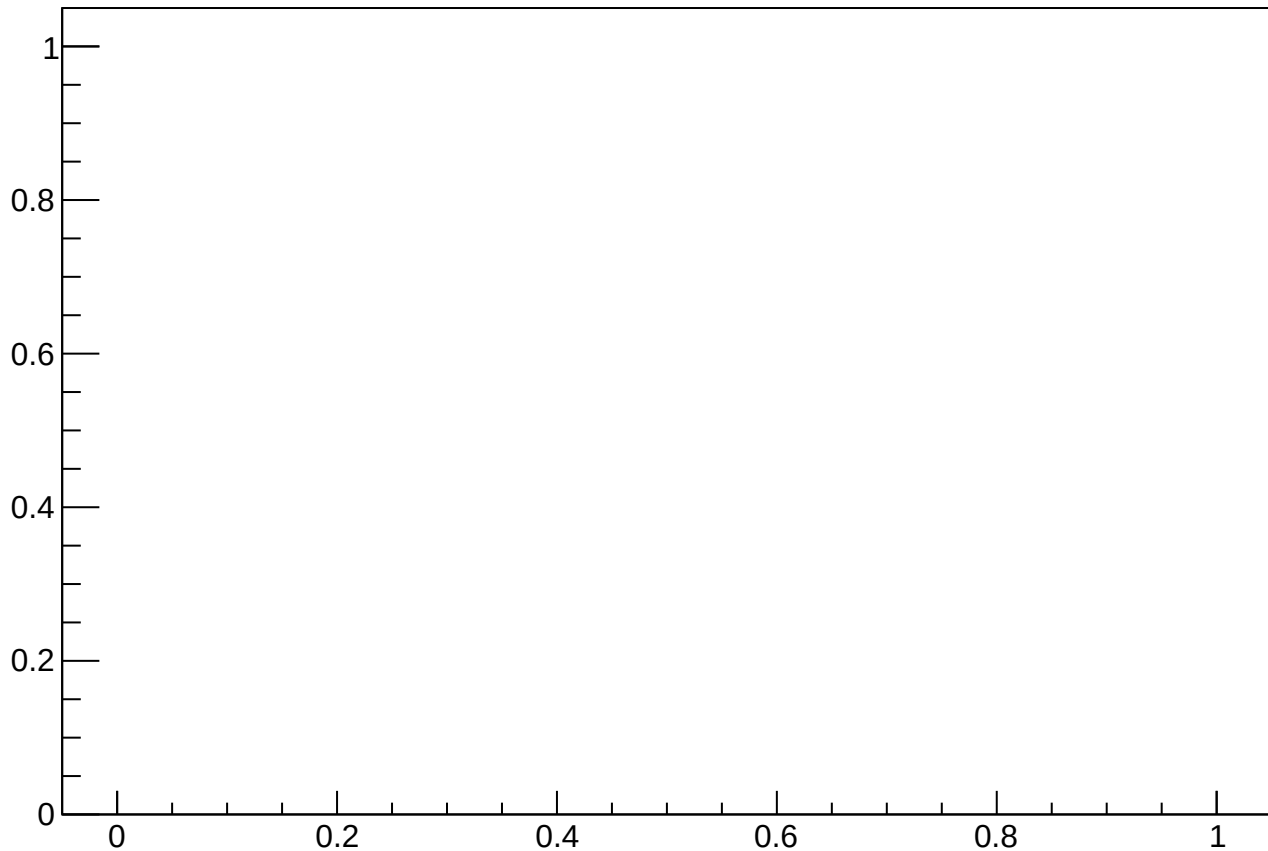
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_usl\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usl\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

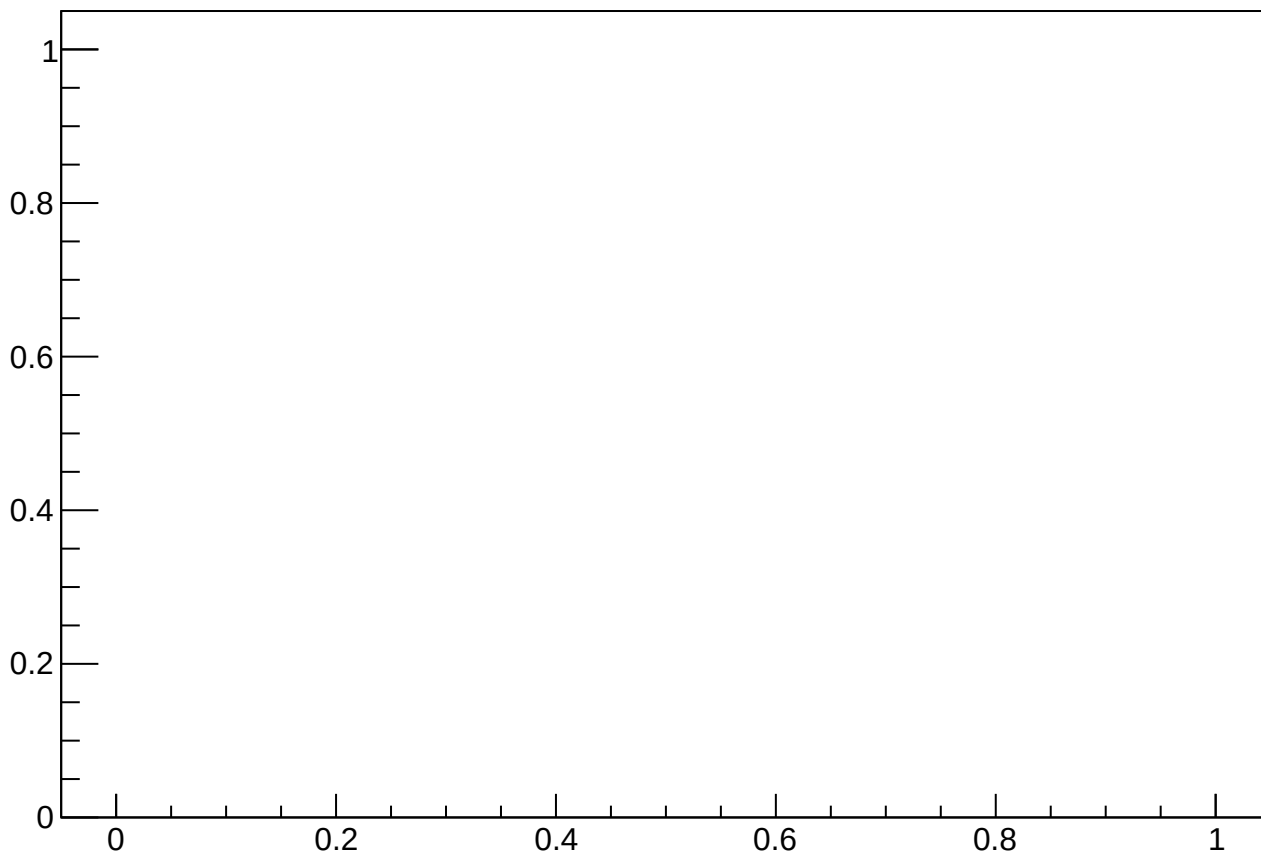
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

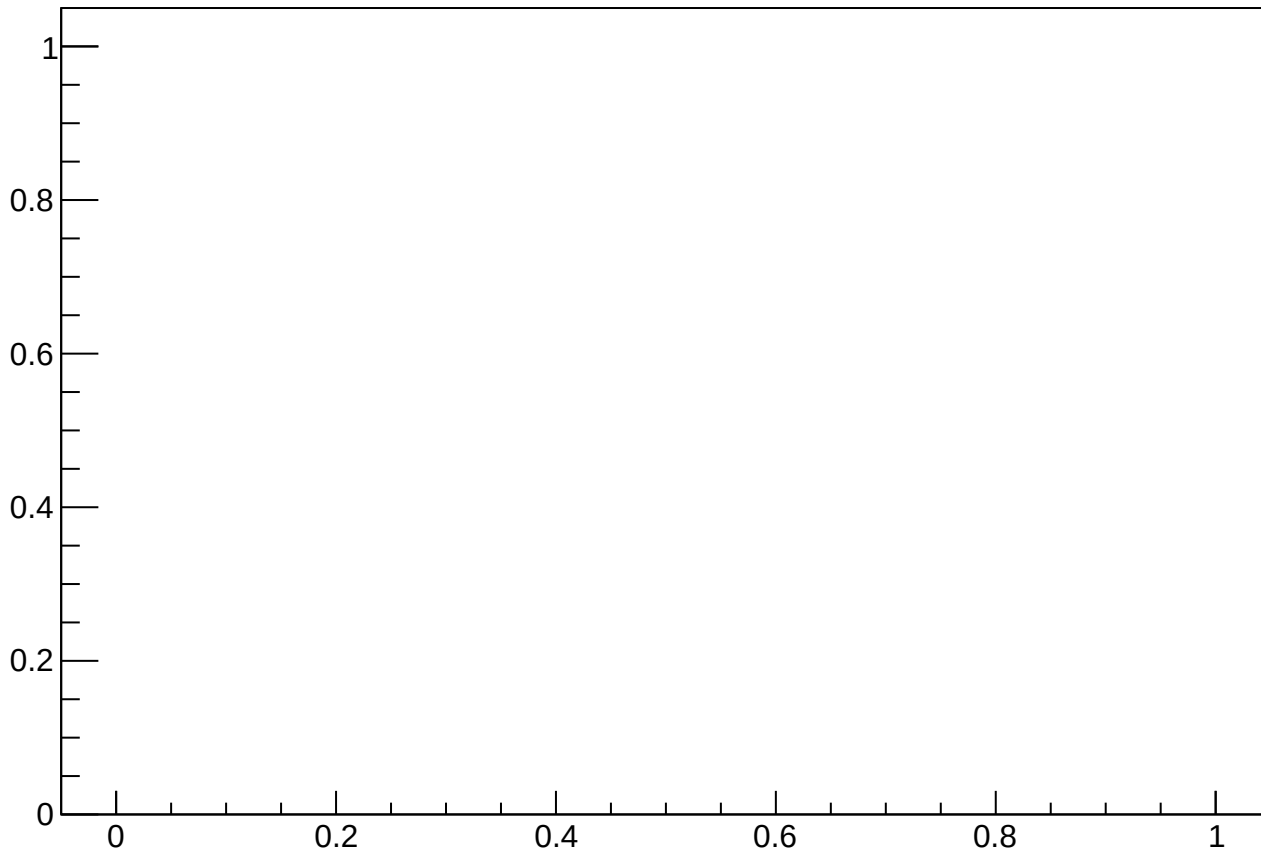
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl1\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_atl1\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

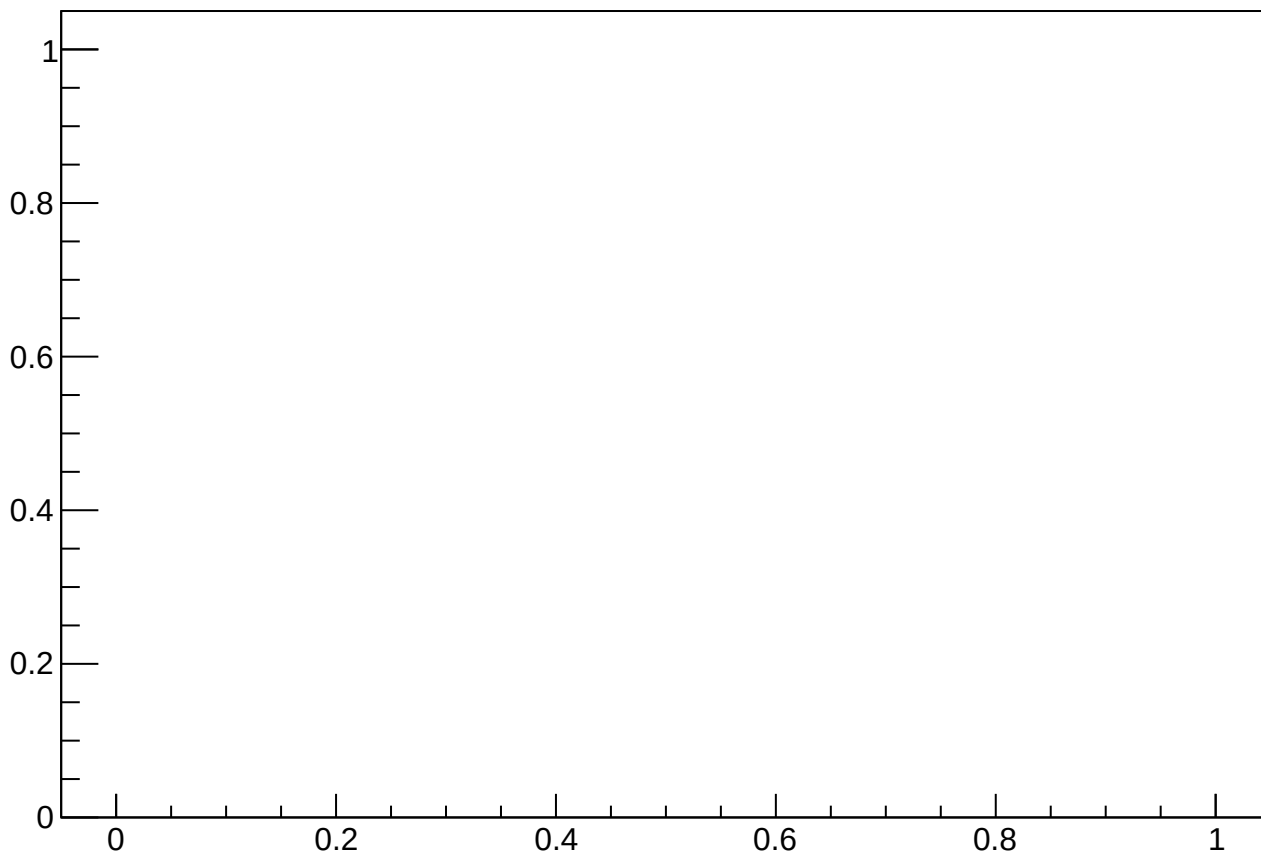
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

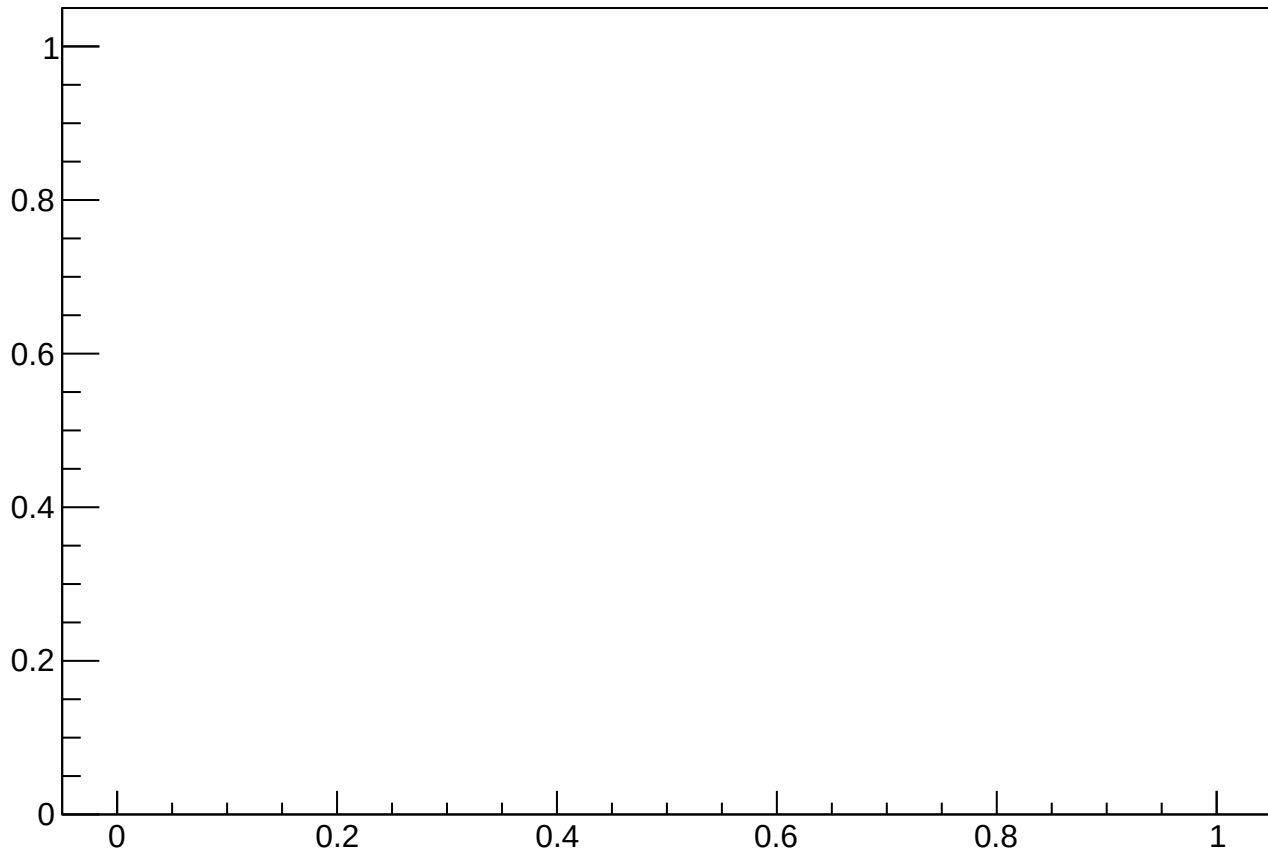
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

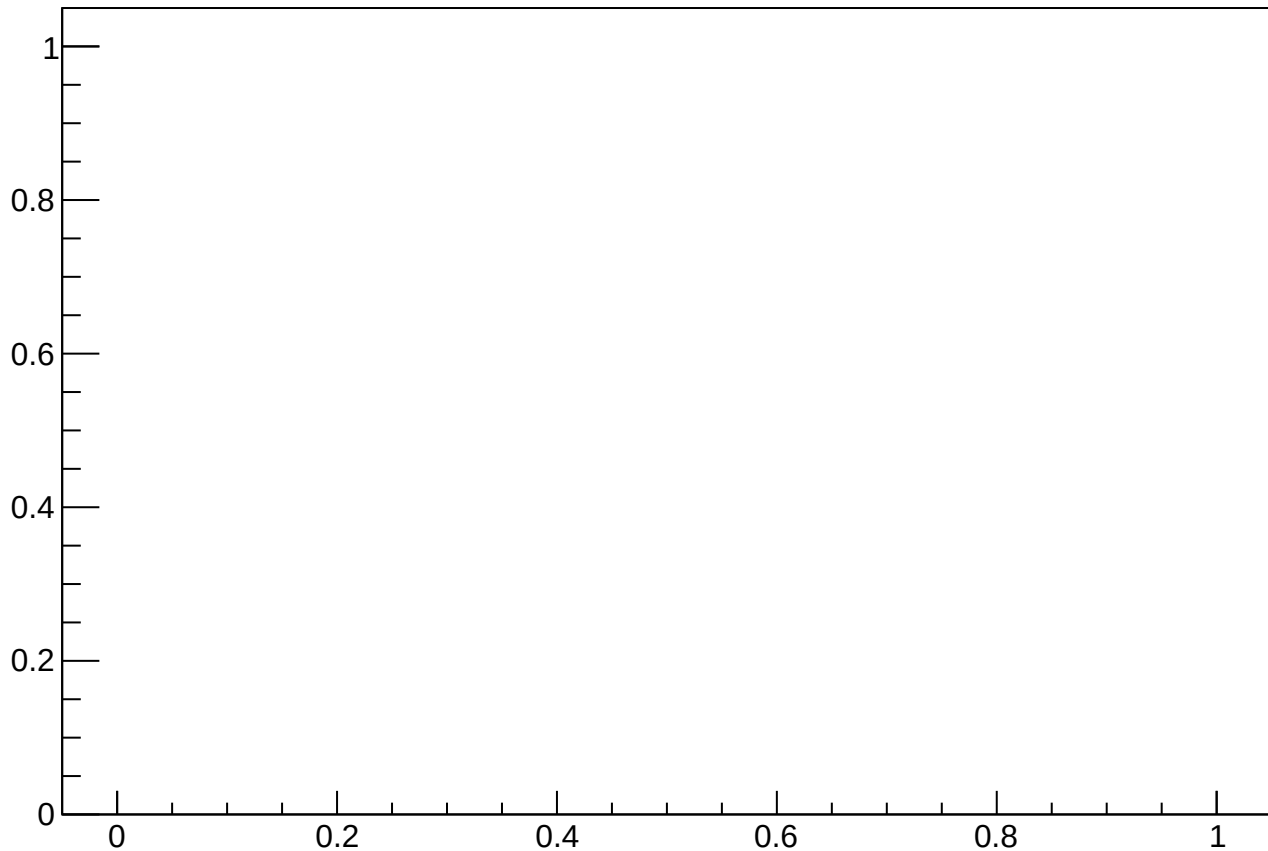
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_atr2\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

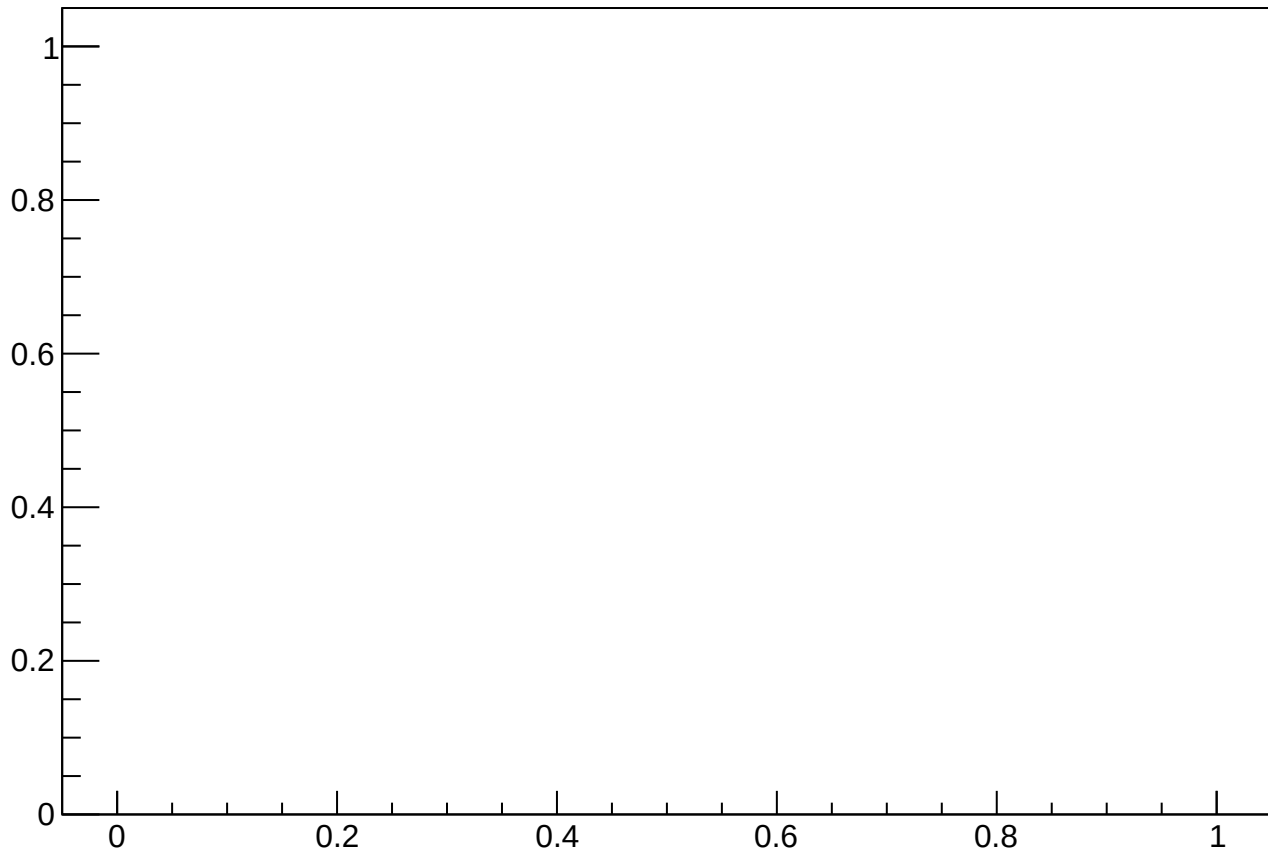
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam2\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam3\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam3\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam4\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam5\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam5\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

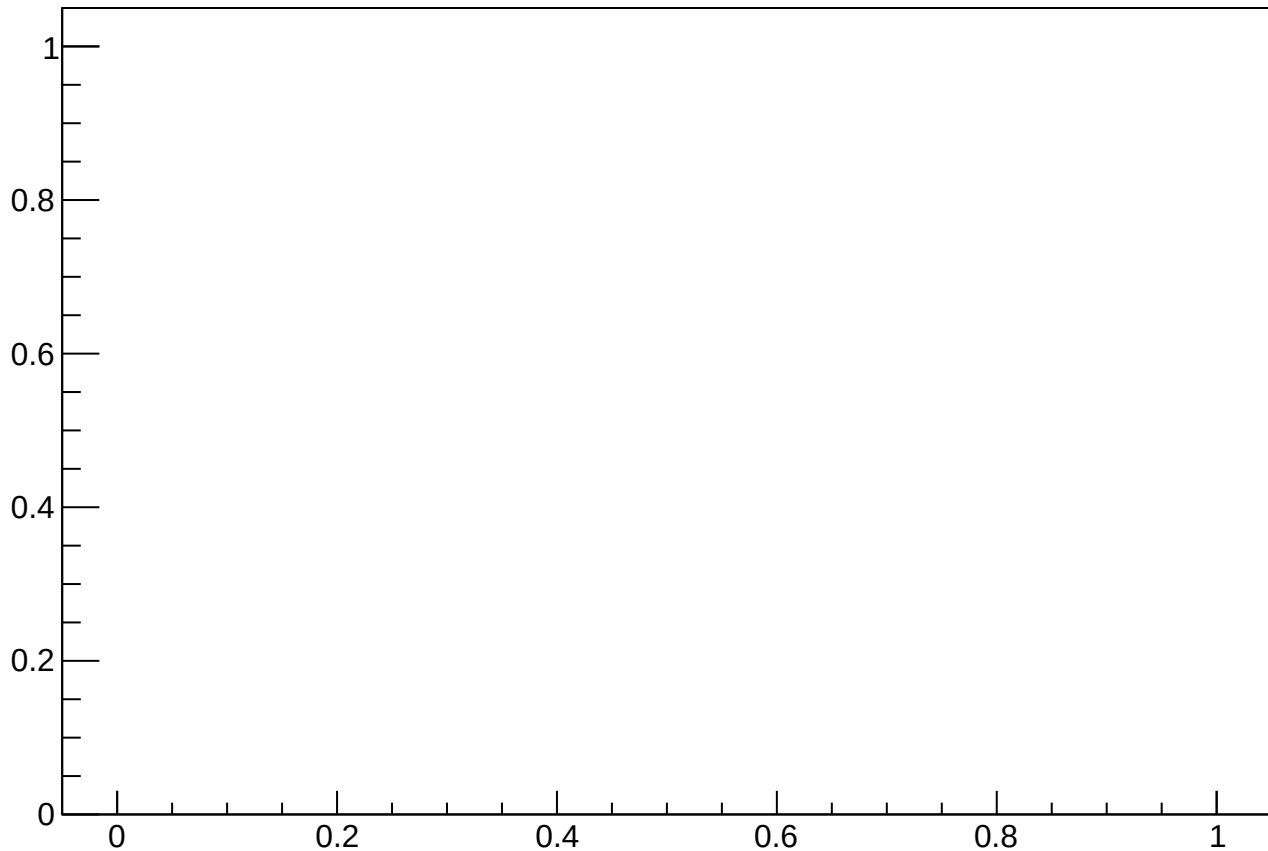
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam6\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam7\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_sam8\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_11X12X\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

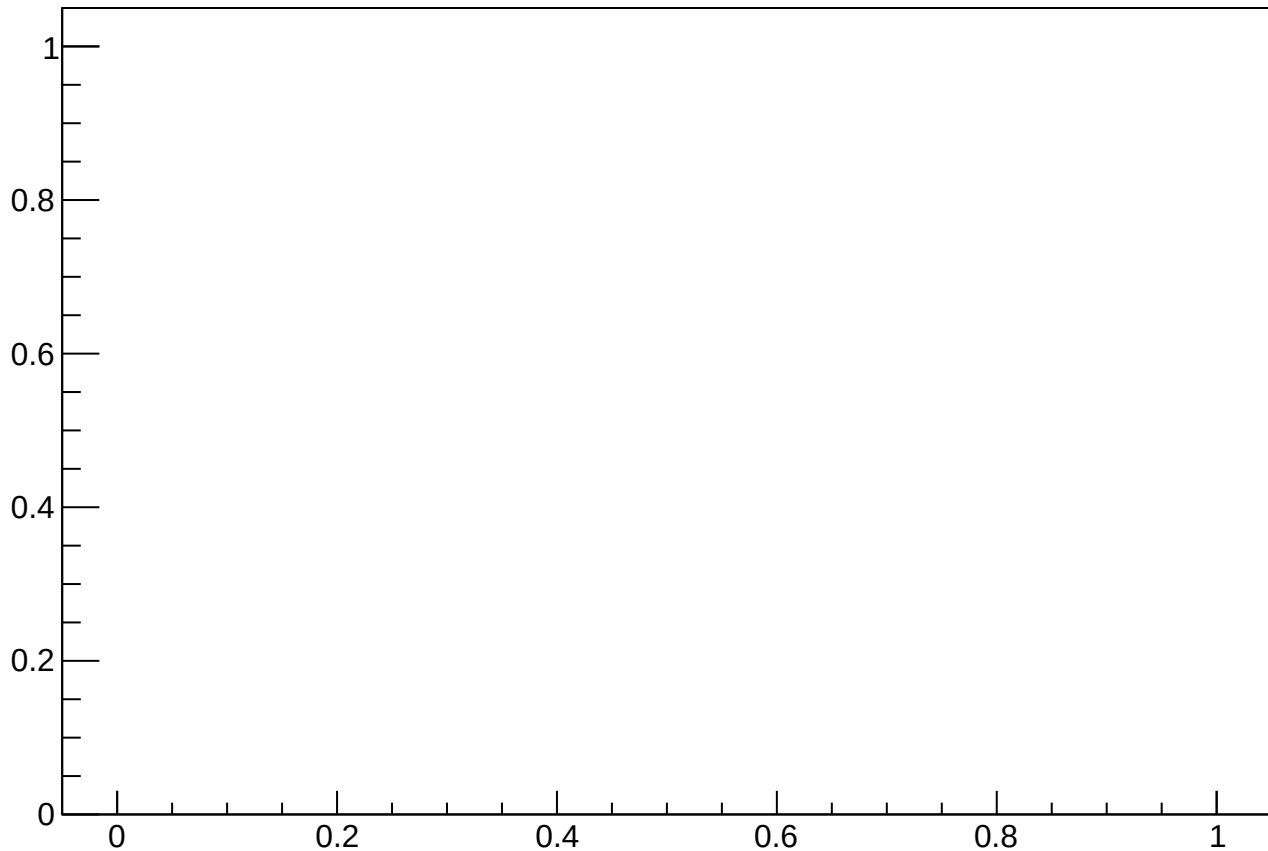
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_4eY\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usr\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

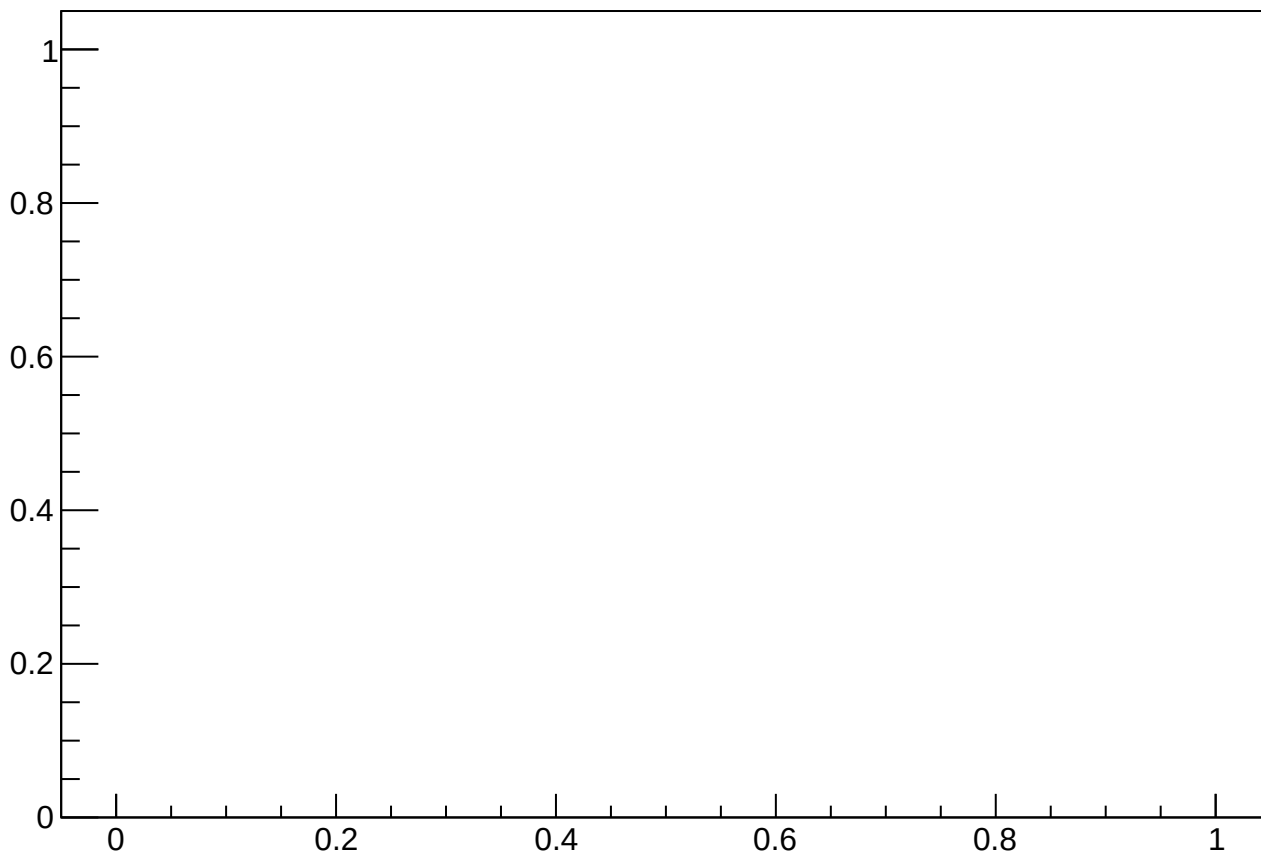
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_atl1\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

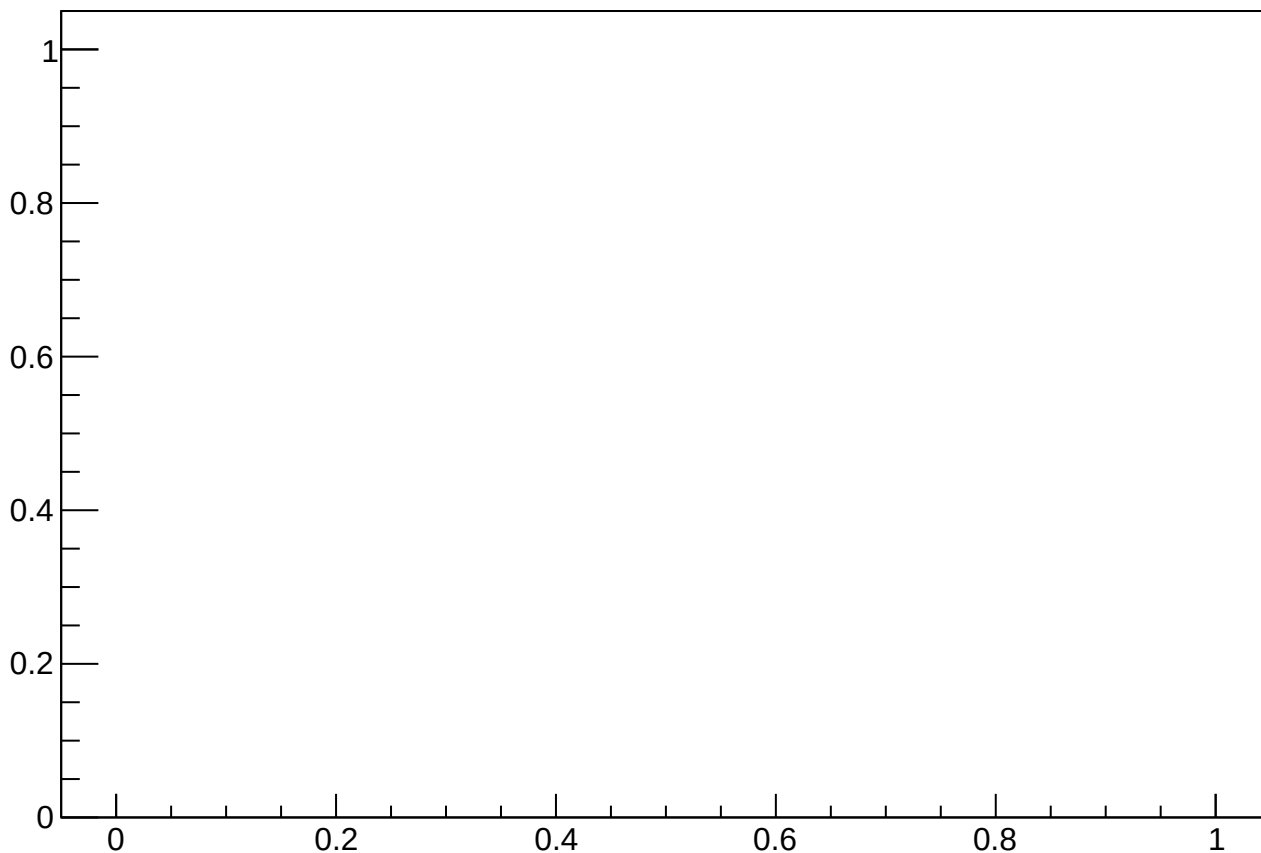
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atl2\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atr2\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam2\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam2\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam3\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

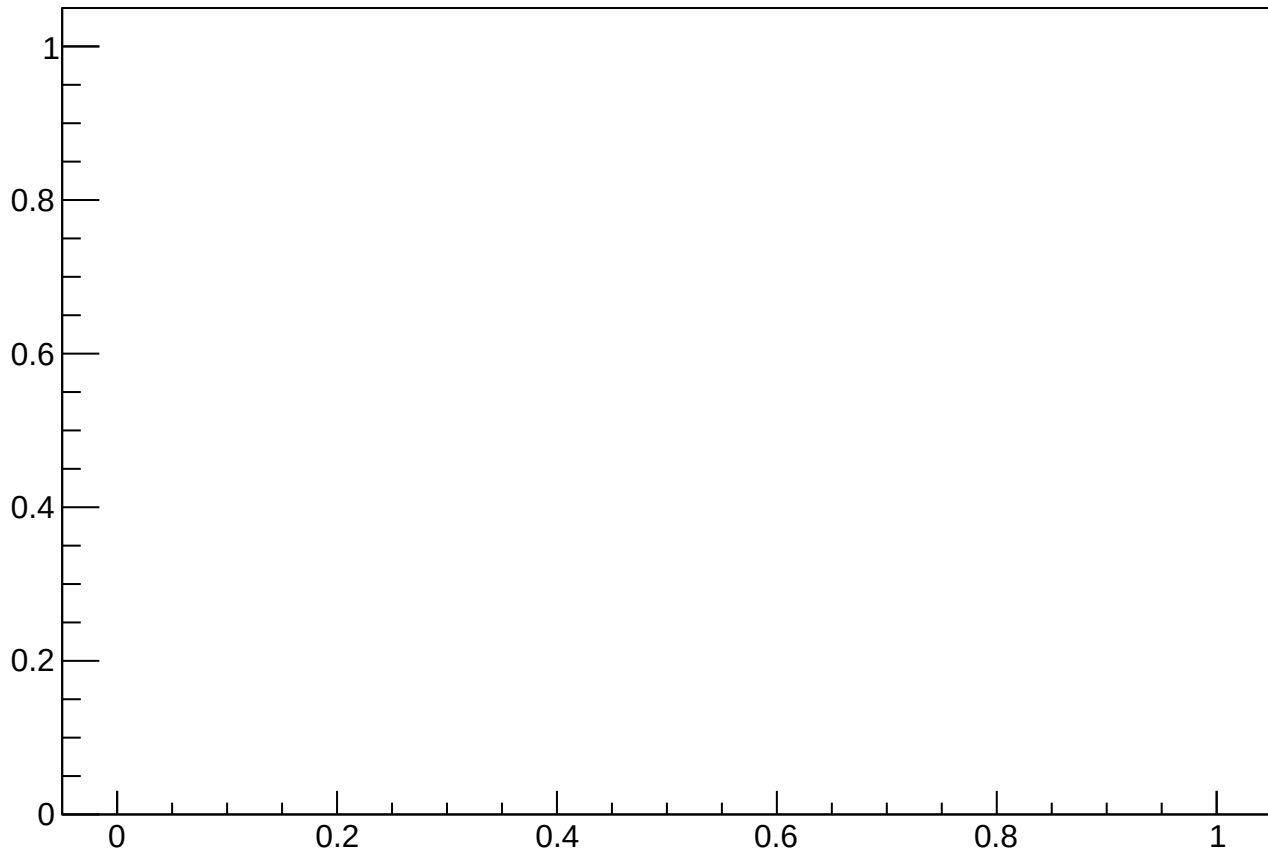
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam4\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_sam5\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

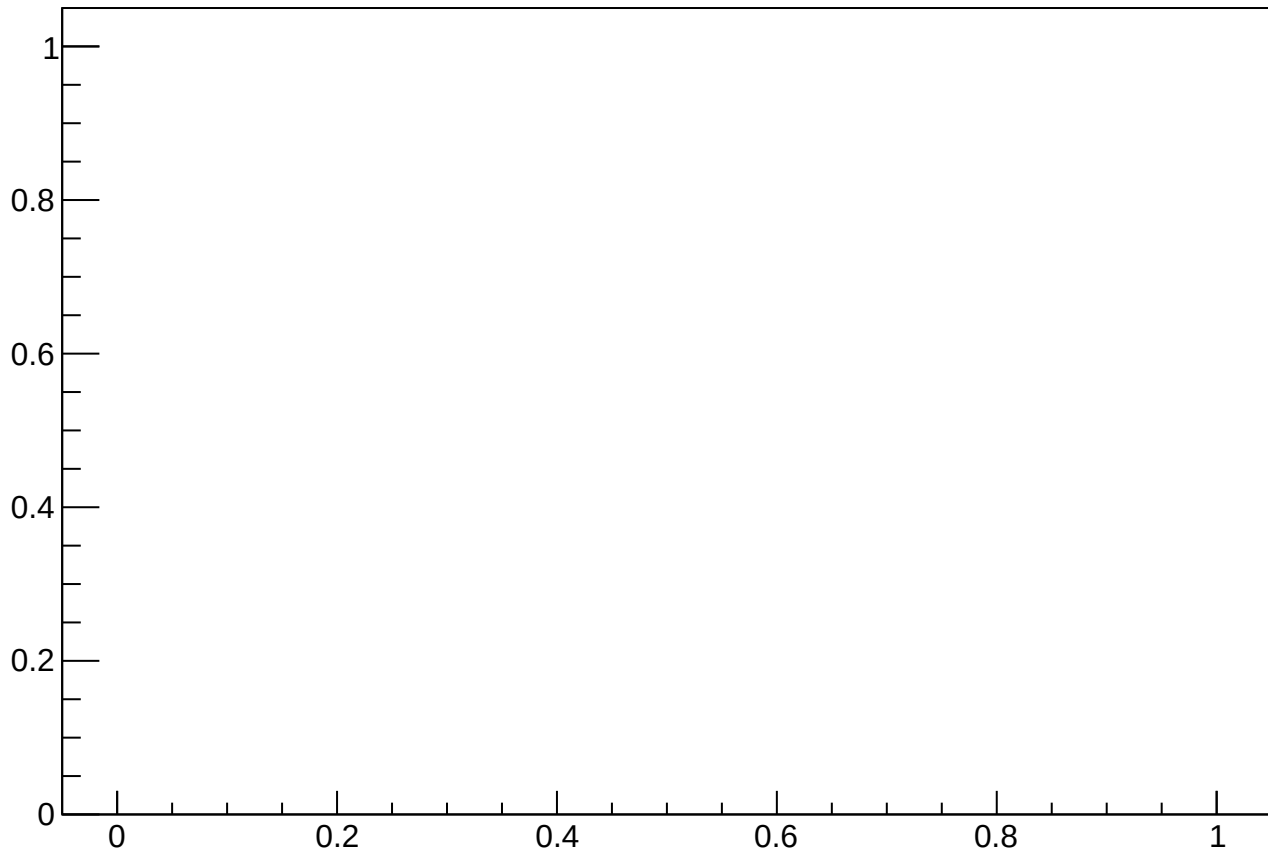
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam6\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam7\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam8\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

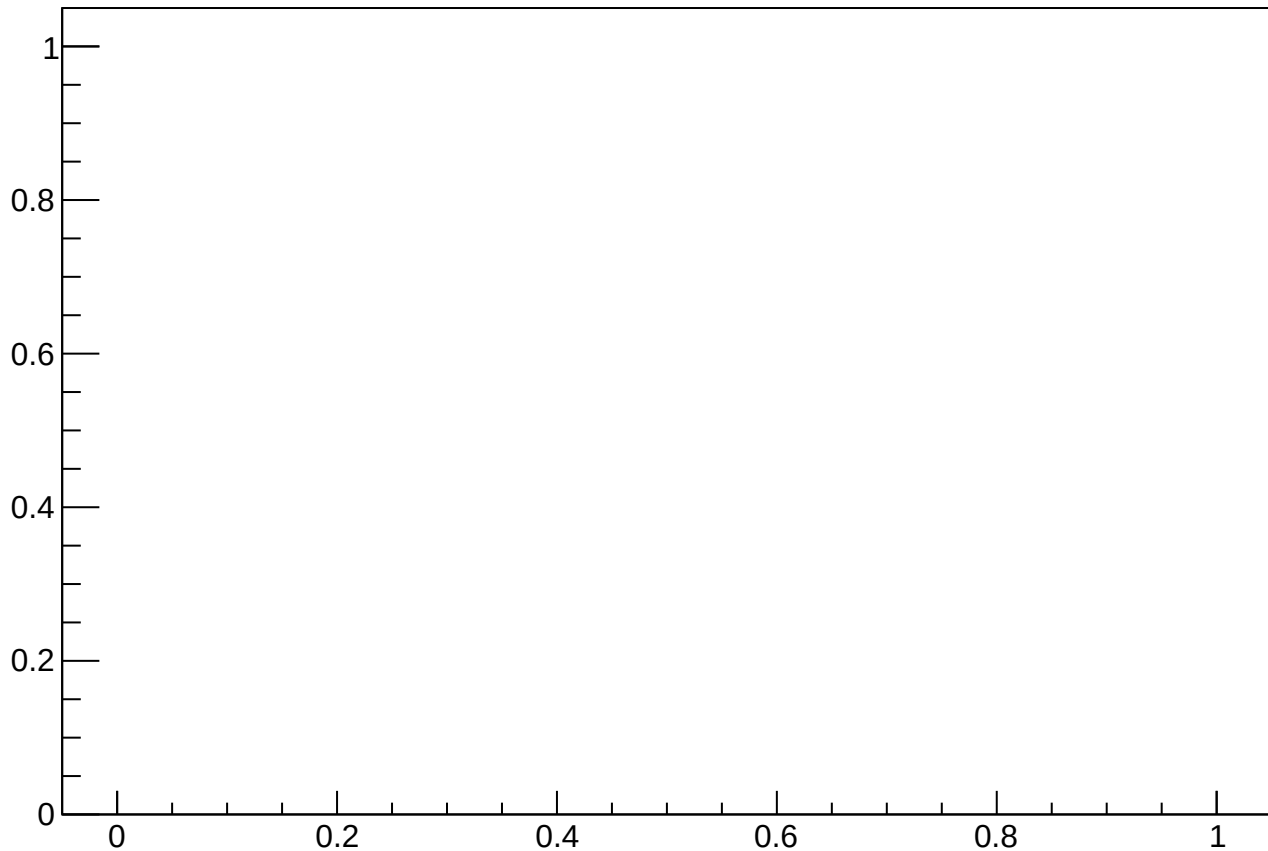
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam8\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_run\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_run\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_slug\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_cyclenum\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_cyclenum\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

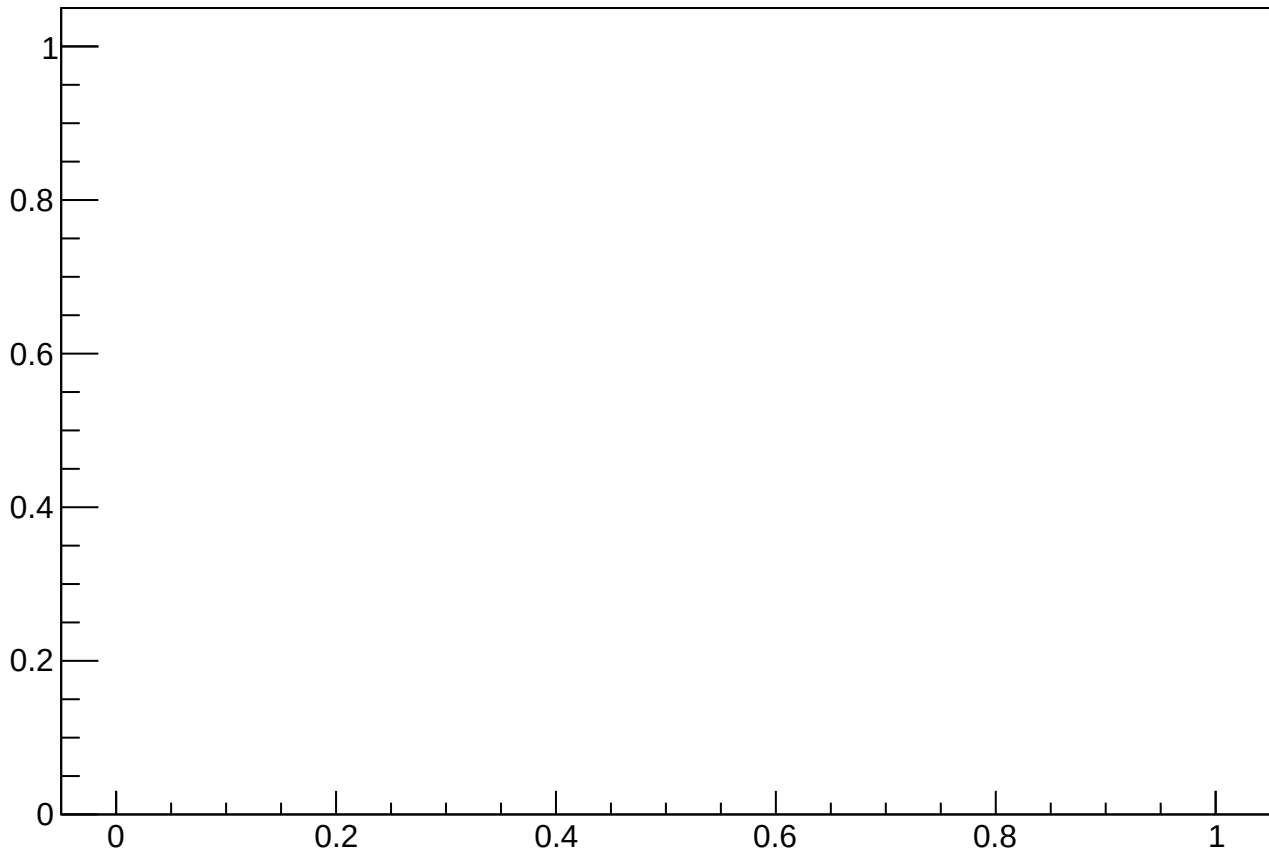
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_scandata1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_scandata1\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_scandata2\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_scandata2\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_flag\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_flag\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

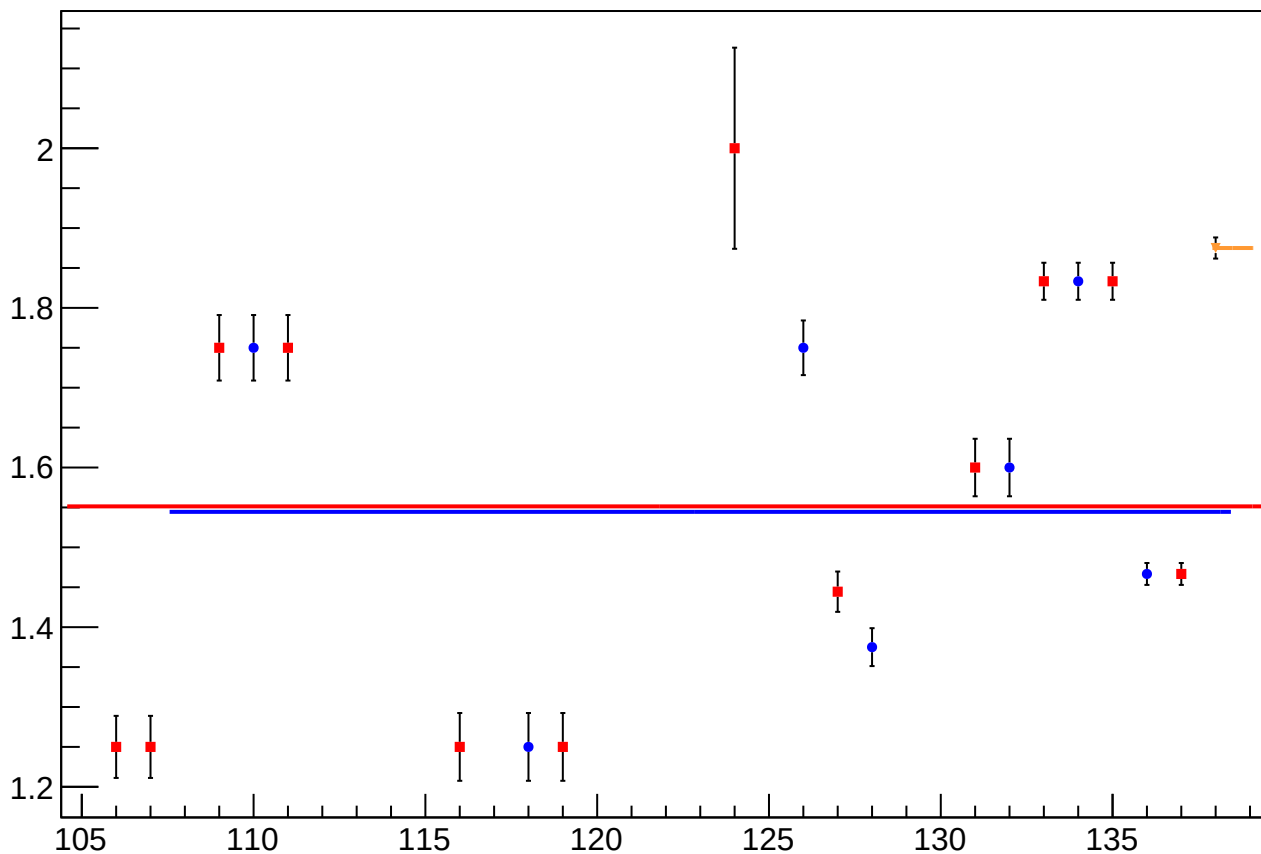
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_segment\_slope vs Slug



Right In: 1.544 $\pm$ 0.009  $\chi^2$ /NDF: 349.7/6

Left Out: 1.875 $\pm$ 0.013  $\chi^2$ /NDF: 0.0/0

Right Out: 1.551 $\pm$ 0.008  $\chi^2$ /NDF: 633.6/11

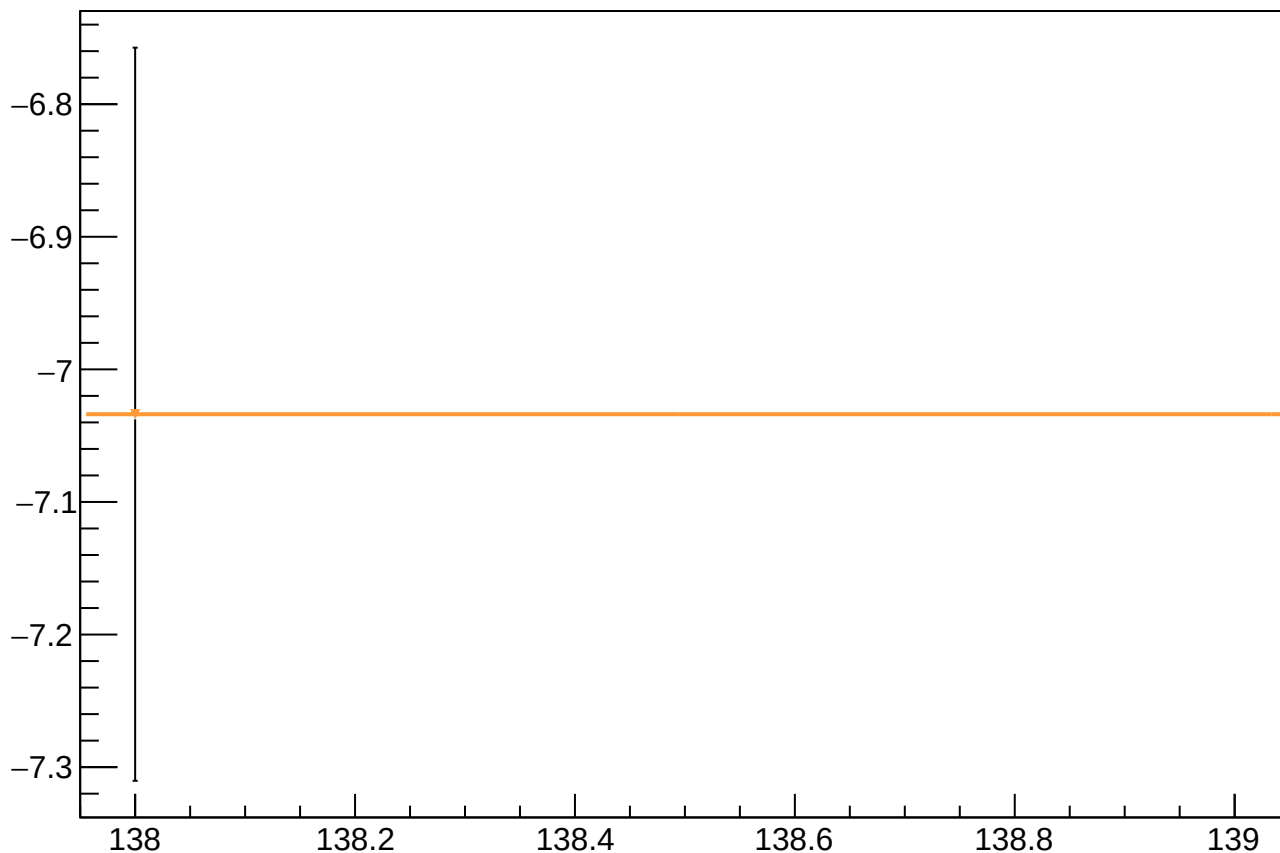
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1.653 $\pm$ 0.008  $\chi^2$ /NDF: 768.8/7

All: 1.606 $\pm$ 0.006  $\chi^2$ /NDF: 1485.3/19

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam1\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -7.034+/-0.276  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

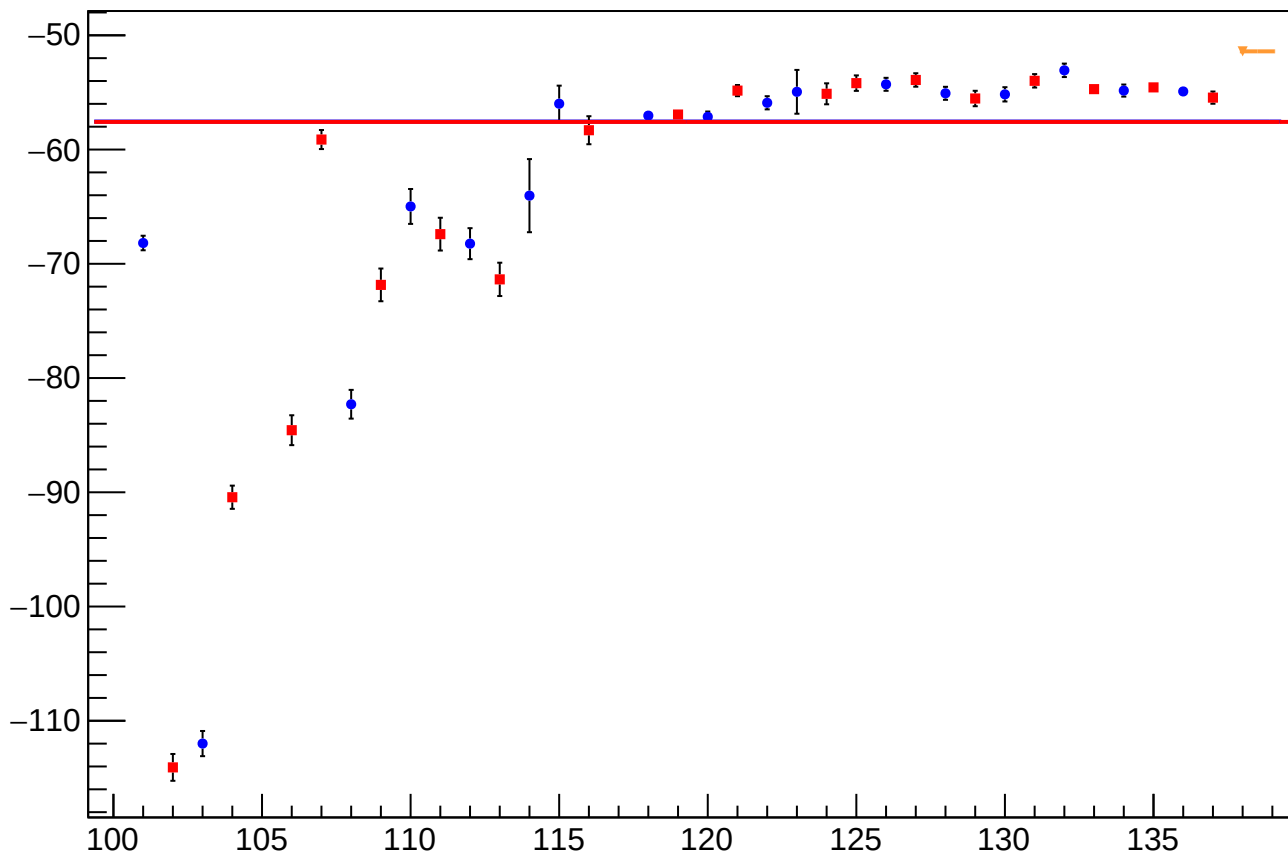
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -7.034+/-0.276  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_sam1\_diff\_bpm4aY\_slope vs Slug



Right In:  $-57.549 \pm 0.142$   $\chi^2/\text{NDF}$ : 3460.4/16

Left Out:  $-51.404 \pm 0.322$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-57.581 \pm 0.143$   $\chi^2/\text{NDF}$ : 4343.8/17

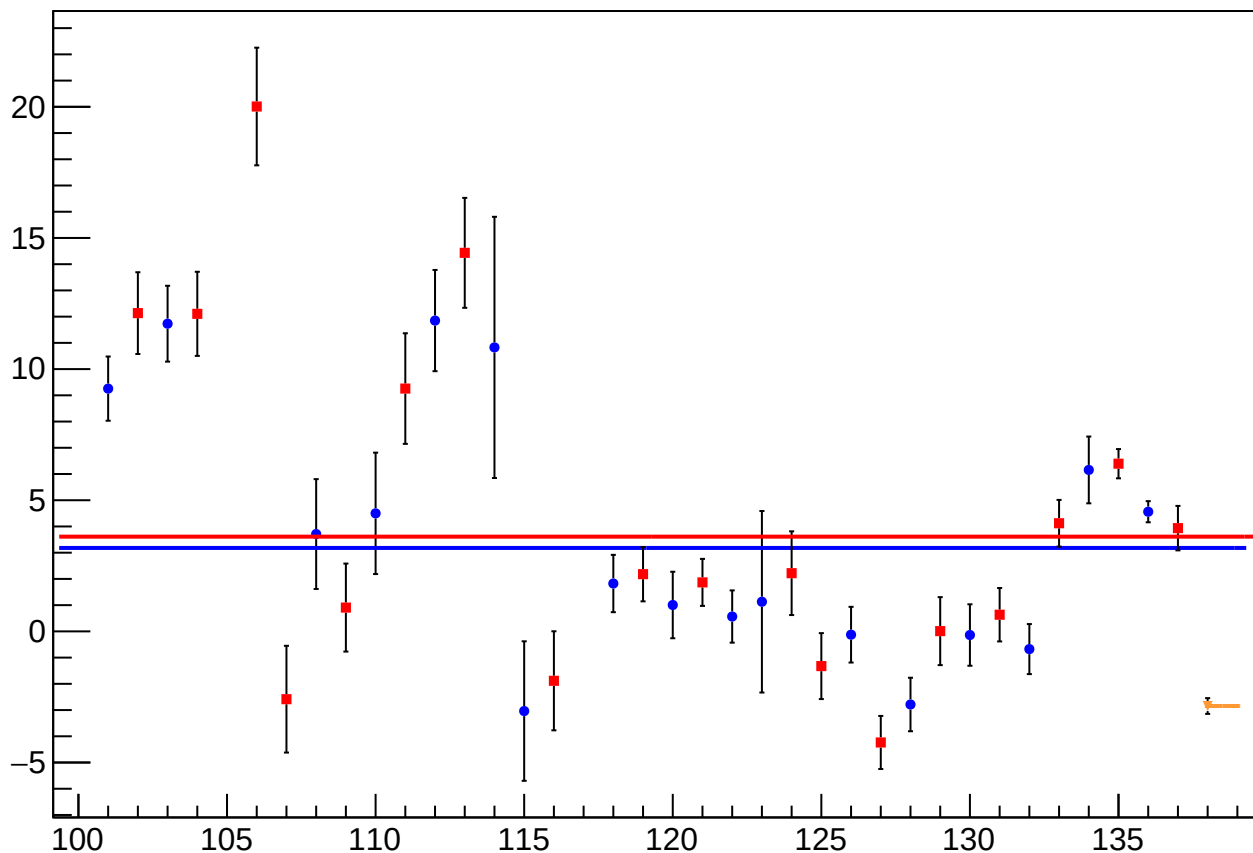
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-56.555 \pm 0.130$   $\chi^2/\text{NDF}$ : 3765.1/17

All:  $-57.018 \pm 0.096$   $\chi^2/\text{NDF}$ : 8137.2/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam1\_diff\_bpm4eX\_slope vs Slug



Right In: 3.181+/-0.258  $\chi^2/\text{NDF}$ : 185.2/16

Left Out: -2.845+/-0.300  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.612+/-0.268  $\chi^2/\text{NDF}$ : 289.2/17

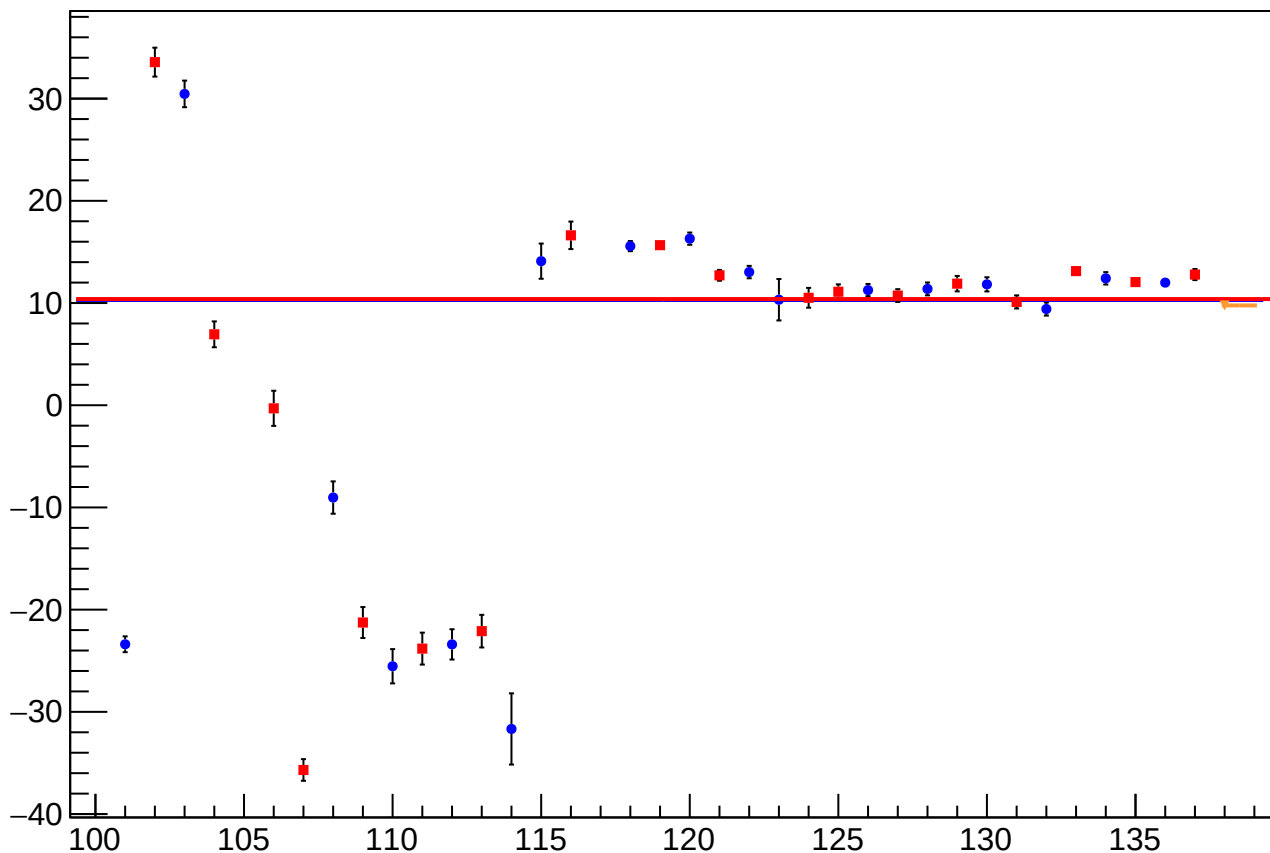
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.620+/-0.196  $\chi^2/\text{NDF}$ : 417.1/17

All: 1.661+/-0.158  $\chi^2/\text{NDF}$ : 787.6/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam1\_diff\_bpm4eY\_slope vs Slug



Right In: 10.301 $\pm$ 0.157  $\chi^2$ /NDF: 3699.4/16

Left Out: 9.767 $\pm$ 0.354  $\chi^2$ /NDF: 0.0/0

Right Out: 10.388 $\pm$ 0.160  $\chi^2$ /NDF: 3786.4/17

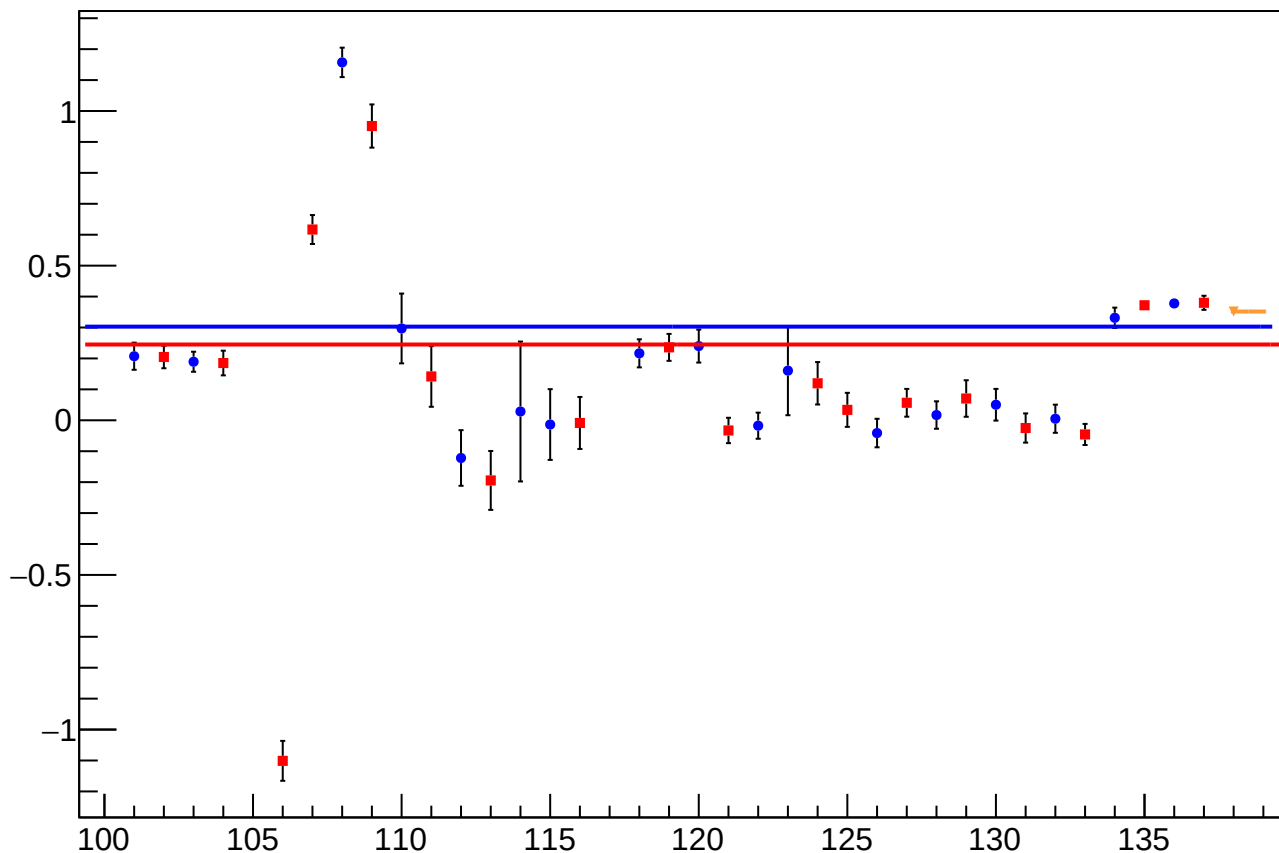
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 10.213 $\pm$ 0.143  $\chi^2$ /NDF: 3701.3/17

All: 10.291 $\pm$ 0.107  $\chi^2$ /NDF: 7488.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug



Right In: 0.303 $\pm$ 0.008  $\chi^2$ /NDF: 647.2/16

Left Out: 0.352 $\pm$ 0.012  $\chi^2$ /NDF: 0.0/0

Right Out: 0.245 $\pm$ 0.009  $\chi^2$ /NDF: 954.5/17

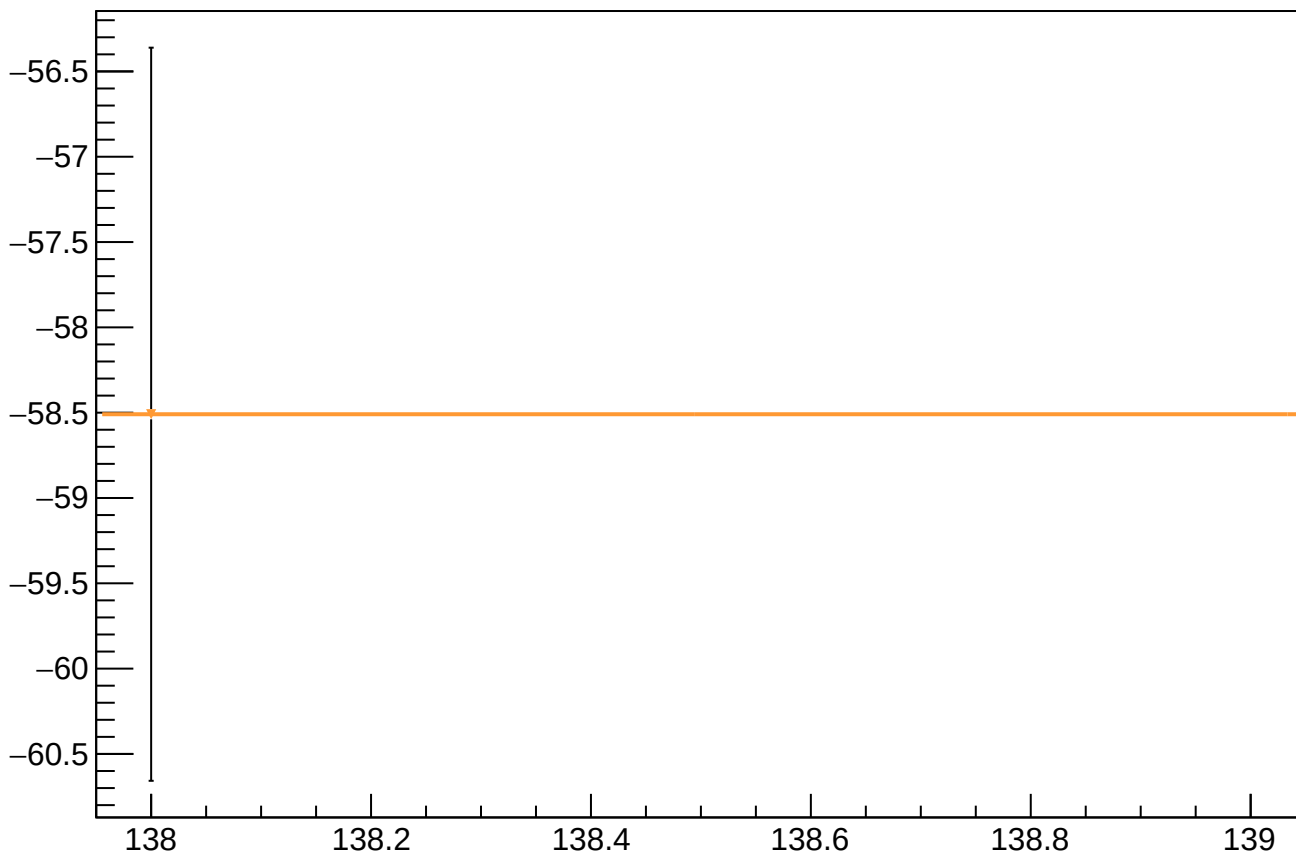
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.319 $\pm$ 0.007  $\chi^2$ /NDF: 659.1/17

All: 0.291 $\pm$ 0.005  $\chi^2$ /NDF: 1660.7/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam2\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -58.509+/-2.148  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

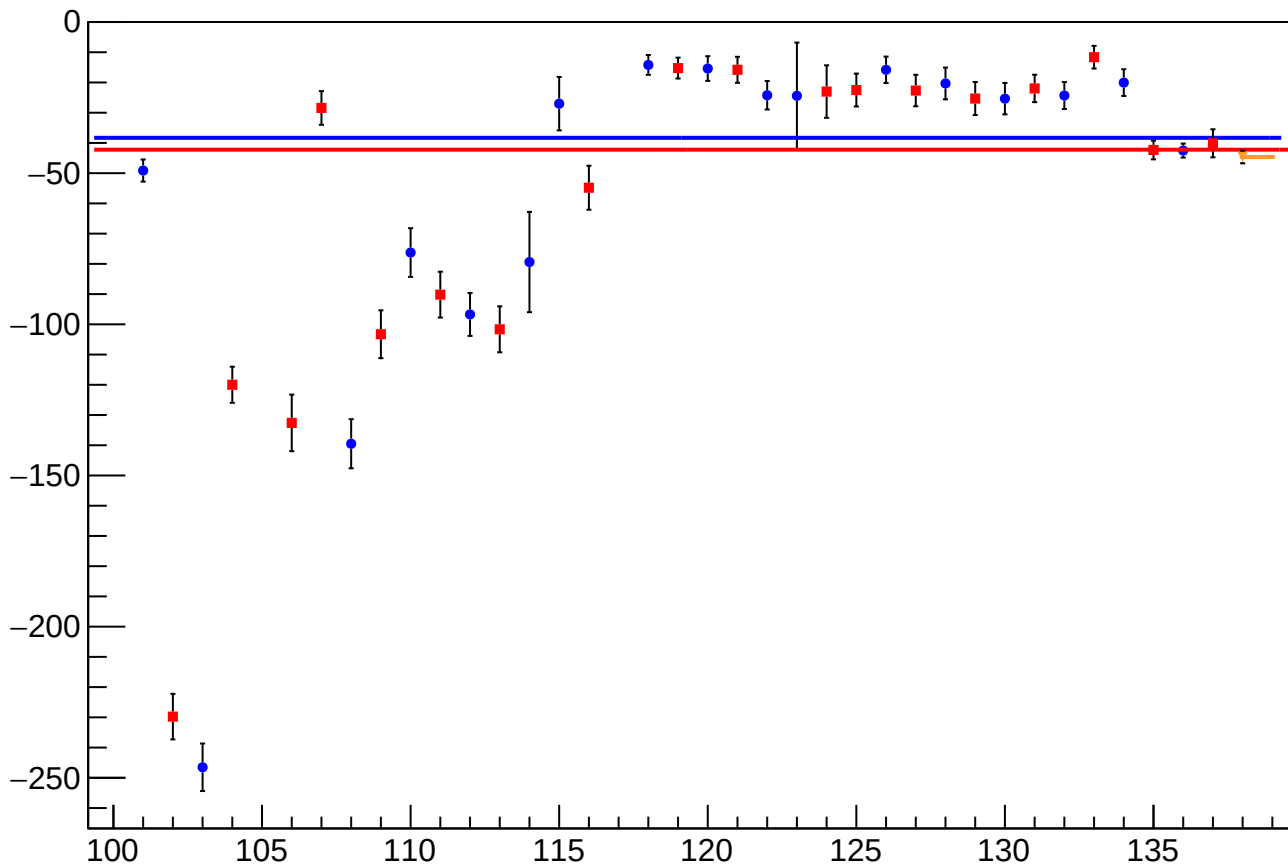
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -58.509+/-2.148  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam2\_diff\_bpm4aY\_slope vs Slug



Right In:  $-38.304 \pm 1.138$   $\chi^2/\text{NDF}: 1132.8/16$

Left Out:  $-44.638 \pm 2.106$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-42.231 \pm 1.210$   $\chi^2/\text{NDF}: 1278.1/17$

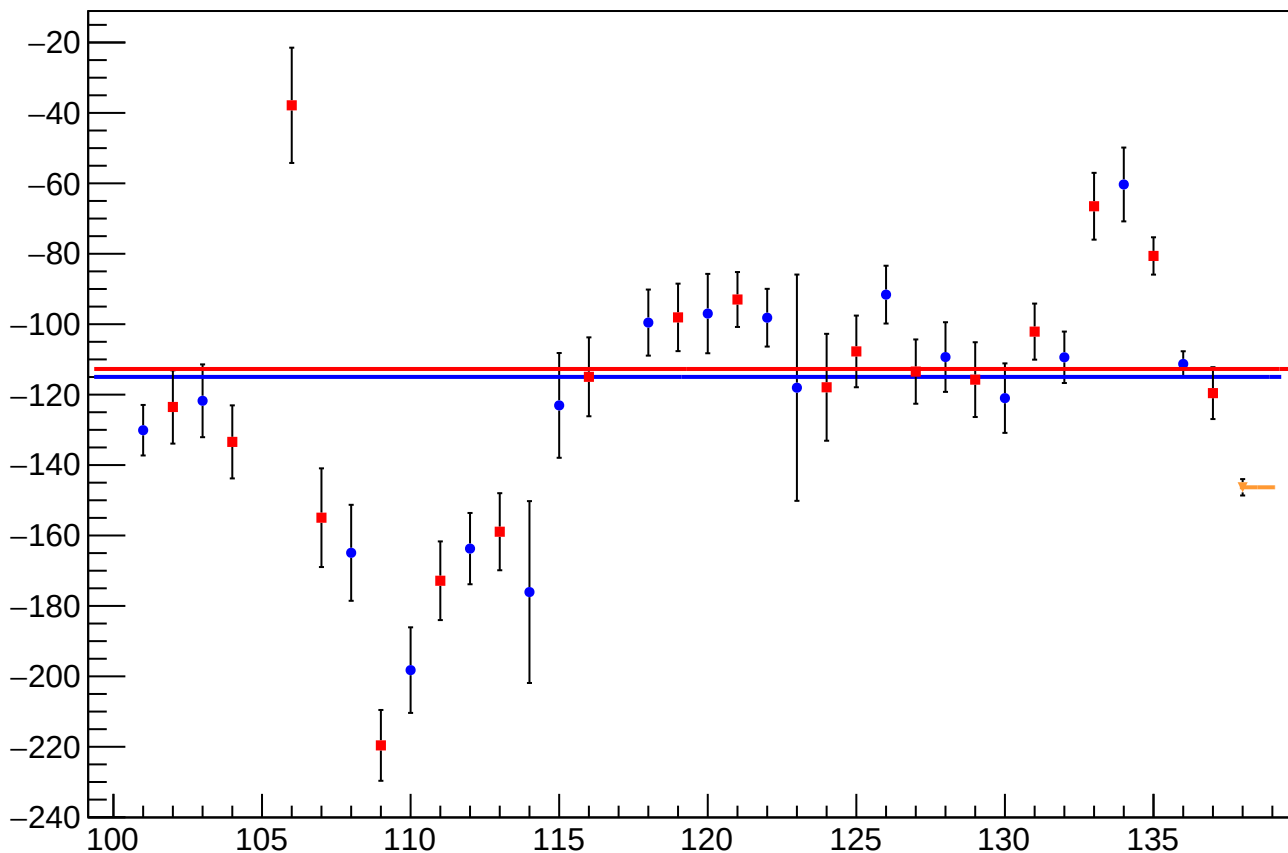
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-39.735 \pm 1.001$   $\chi^2/\text{NDF}: 1139.8/17$

All:  $-40.750 \pm 0.771$   $\chi^2/\text{NDF}: 2420.4/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam2\_diff\_bpm4eX\_slope vs Slug



Right In:  $-114.969 \pm 2.075$   $\chi^2/\text{NDF}$ : 141.4/16

Left Out:  $-146.314 \pm 2.329$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-112.713 \pm 2.210$   $\chi^2/\text{NDF}$ : 267.1/17

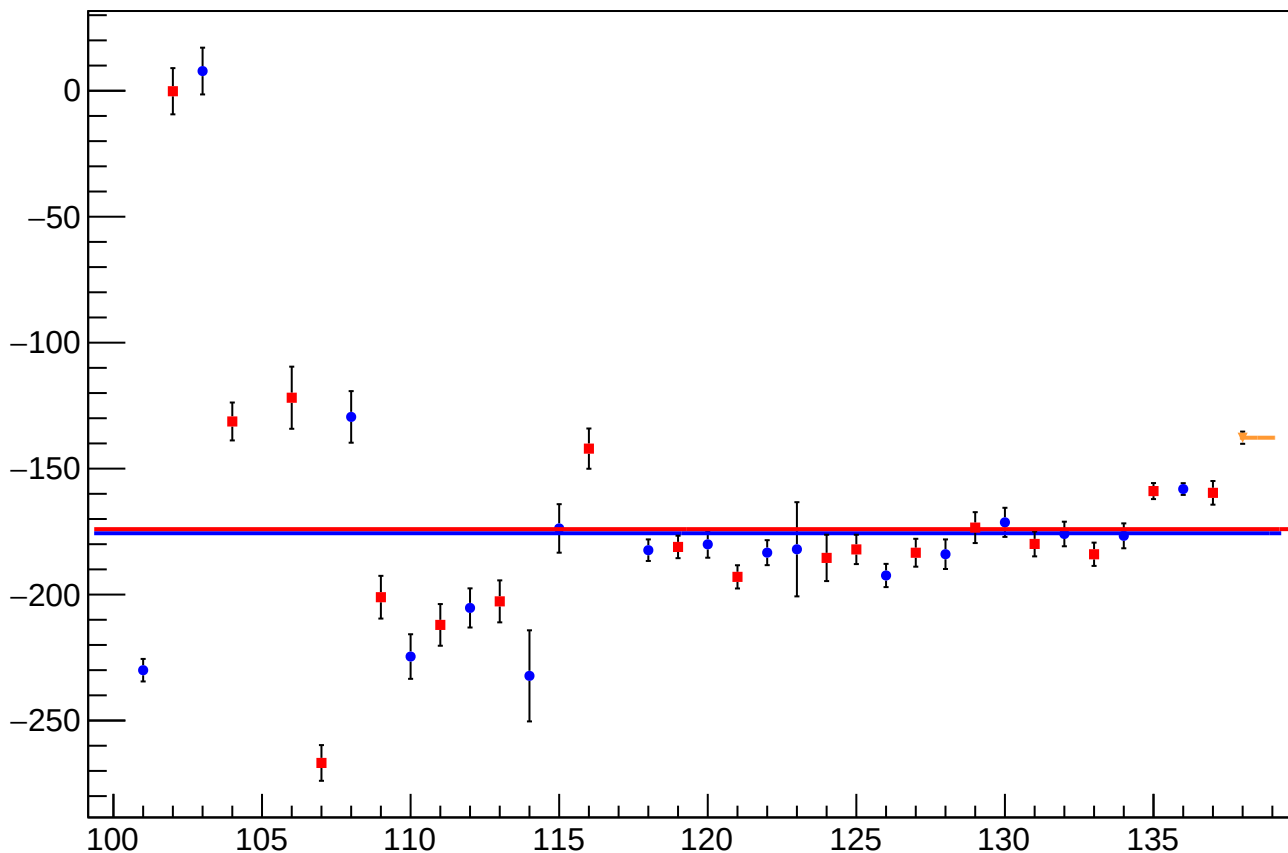
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-128.837 \pm 1.549$   $\chi^2/\text{NDF}$ : 242.4/17

All:  $-123.526 \pm 1.269$   $\chi^2/\text{NDF}$ : 545.2/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam2\_diff\_bpm4eY\_slope vs Slug



Right In:  $-175.651 \pm 1.269$   $\chi^2/\text{NDF}$ : 692.1/16

Left Out:  $-137.730 \pm 2.424$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-174.024 \pm 1.355$   $\chi^2/\text{NDF}$ : 703.5/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

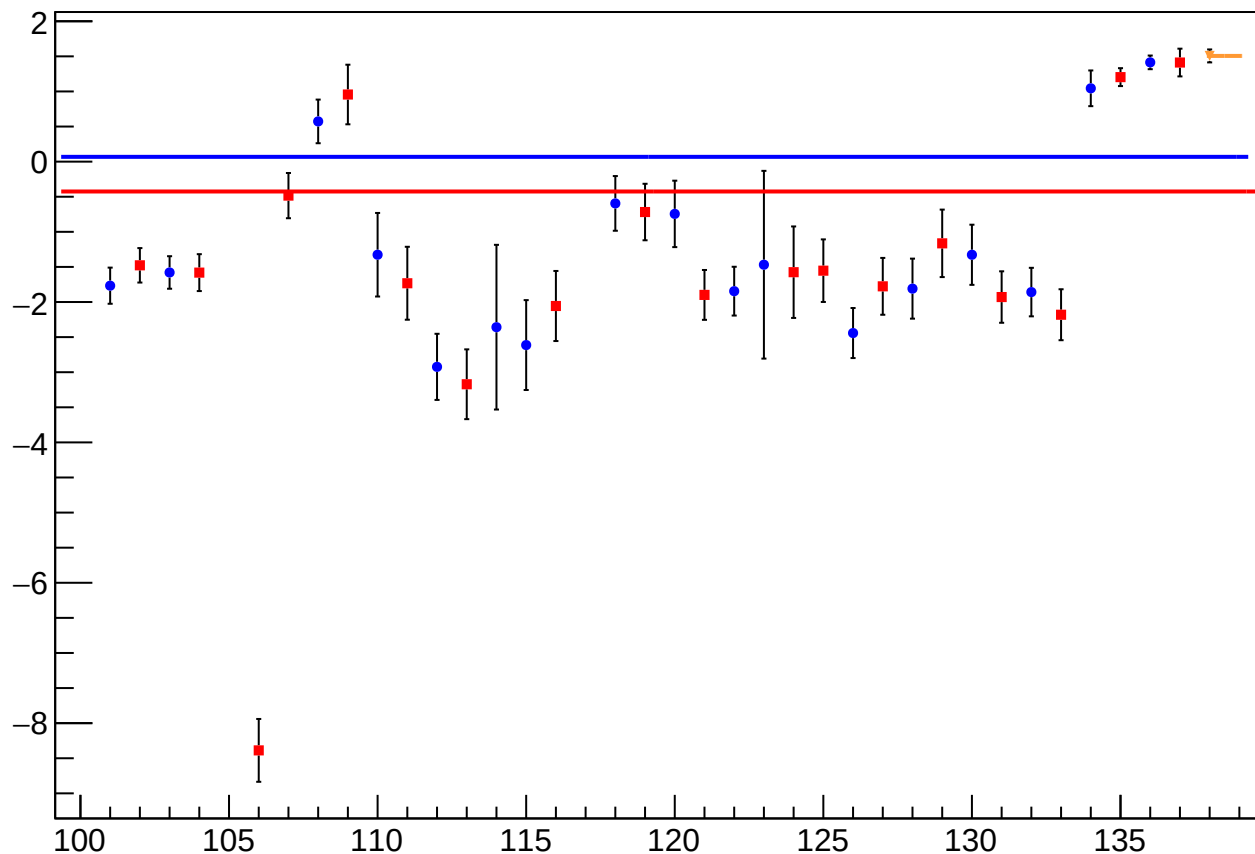
+ sign  $-167.493 \pm 1.124$   $\chi^2/\text{NDF}$ : 884.1/17

All:  $-170.155 \pm 0.865$   $\chi^2/\text{NDF}$ : 1601.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug



Right In: 0.068 $\pm$ 0.067  $\chi^2$ /NDF: 525.9/16

Left Out: 1.506 $\pm$ 0.092  $\chi^2$ /NDF: 0.0/0

Right Out: -0.425 $\pm$ 0.071  $\chi^2$ /NDF: 742.9/17

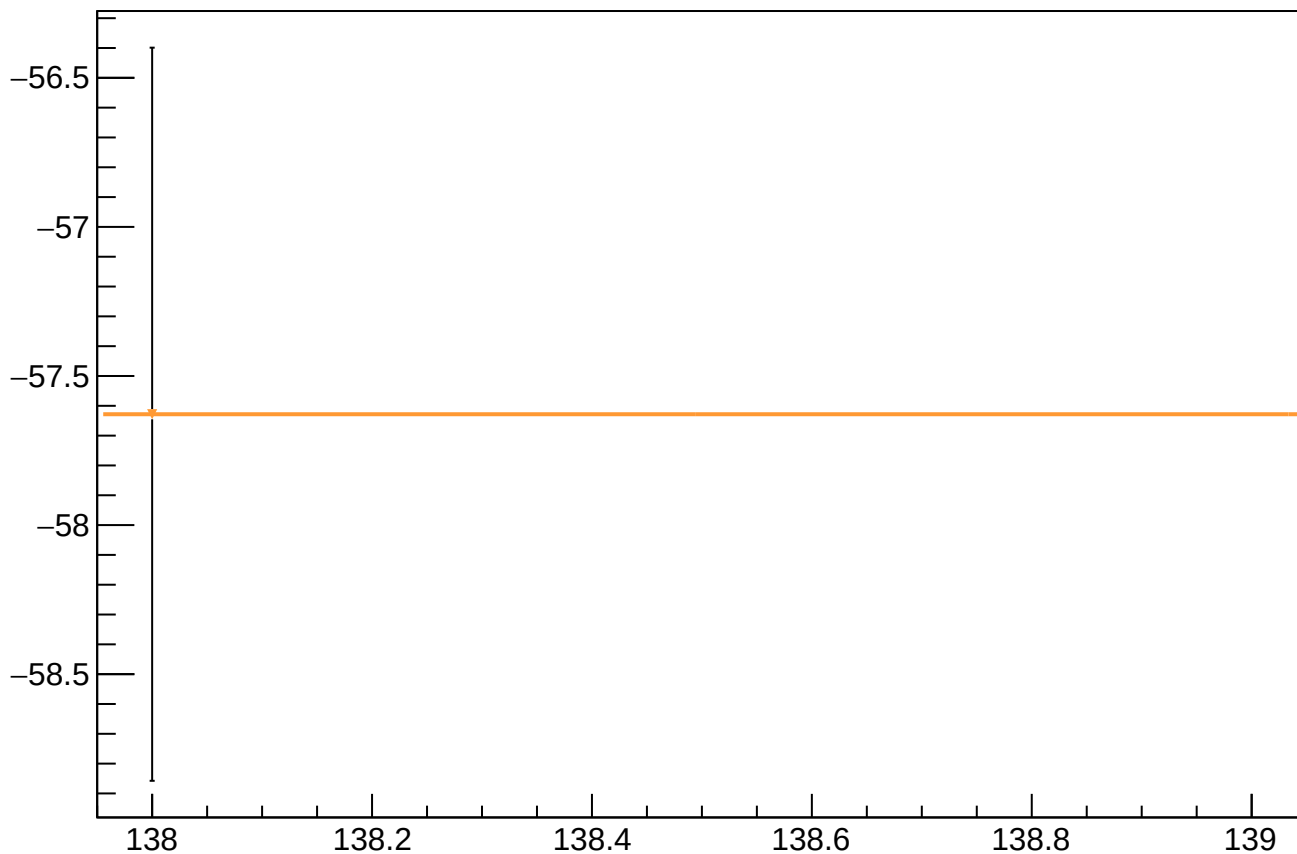
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.564 $\pm$ 0.054  $\chi^2$ /NDF: 684.7/17

All: 0.201 $\pm$ 0.043  $\chi^2$ /NDF: 1549.7/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam3\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -57.628+/-1.229  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

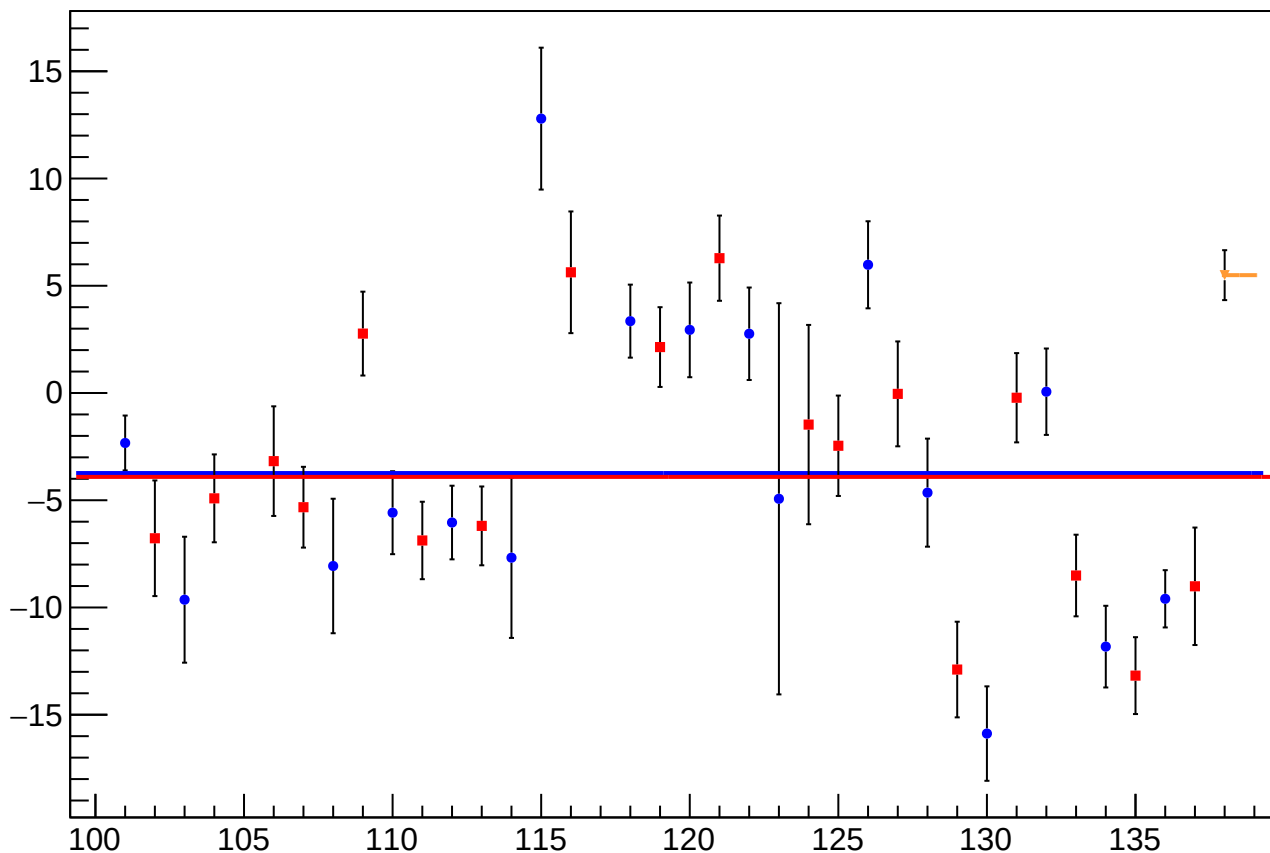
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -57.628+/-1.229  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam3\_diff\_bpm4aY\_slope vs Slug



Right In:  $-3.732 \pm 0.496$   $\chi^2/\text{NDF}: 165.8/16$

Left Out:  $5.495 \pm 1.164$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-3.912 \pm 0.507$   $\chi^2/\text{NDF}: 124.8/17$

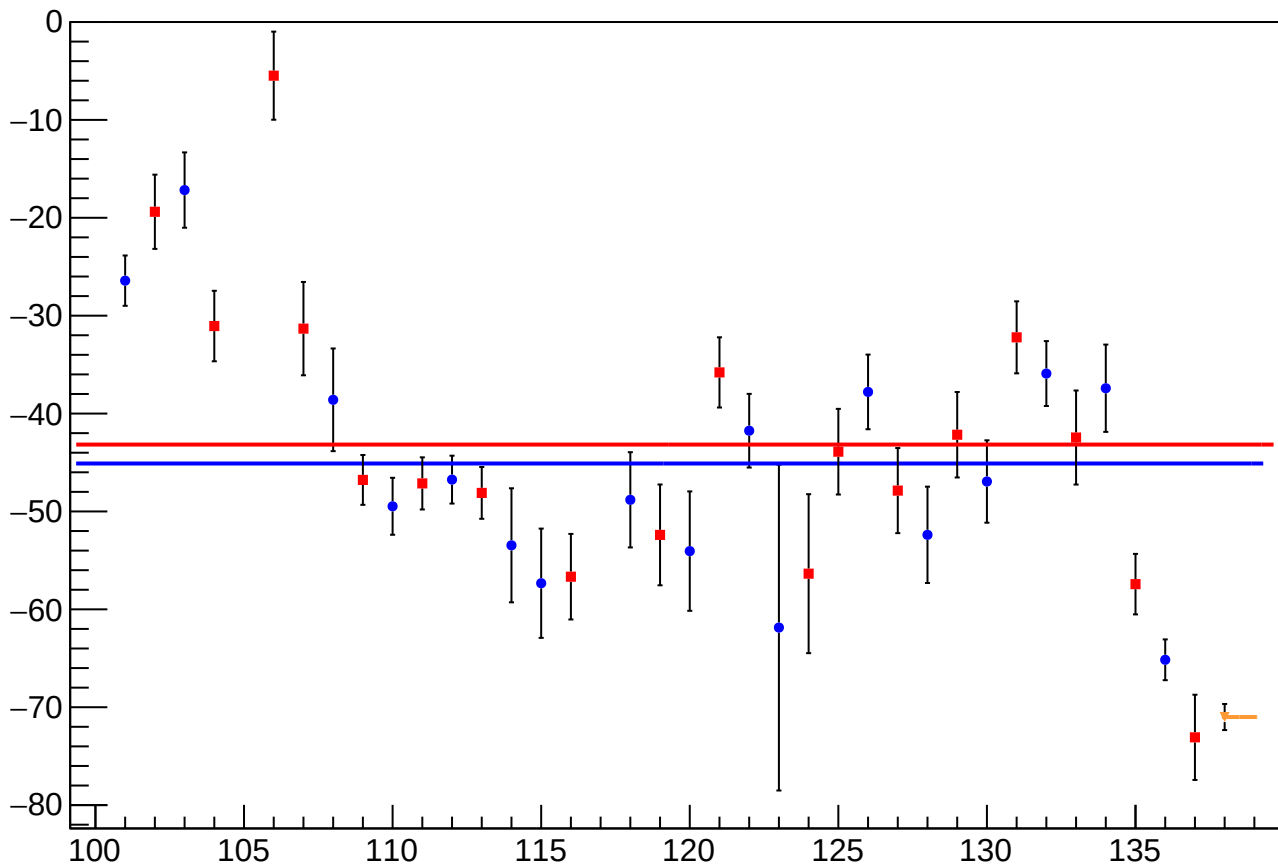
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-2.314 \pm 0.456$   $\chi^2/\text{NDF}: 219.0/17$

All:  $-3.029 \pm 0.339$   $\chi^2/\text{NDF}: 349.3/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam3\_diff\_bpm4eX\_slope vs Slug



Right In:  $-45.102 \pm 0.883$   $\chi^2/\text{NDF}$ : 230.6/16

Left Out:  $-71.002 \pm 1.332$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-43.167 \pm 0.879$   $\chi^2/\text{NDF}$ : 232.9/17

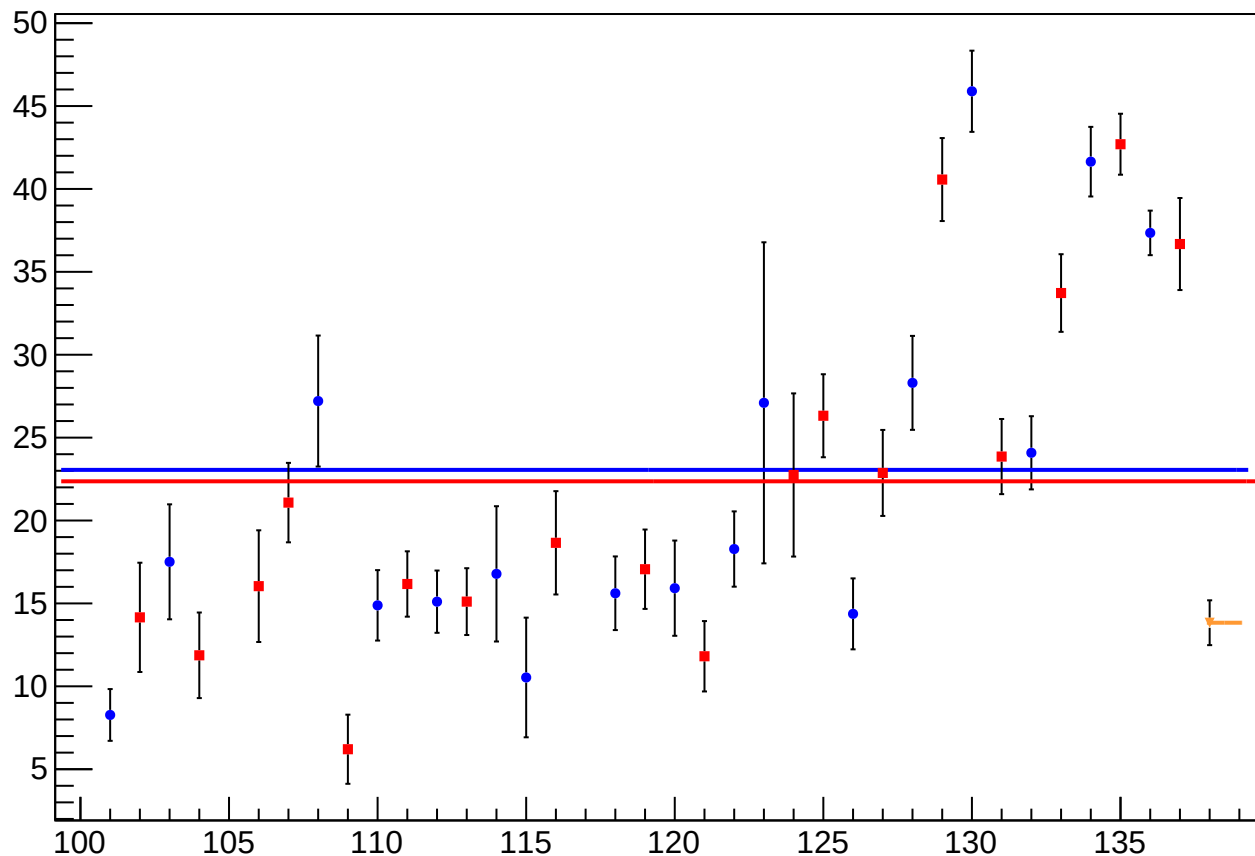
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-53.003 \pm 0.736$   $\chi^2/\text{NDF}$ : 493.3/17

All:  $-48.952 \pm 0.564$   $\chi^2/\text{NDF}$ : 799.8/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam3\_diff\_bpm4eY\_slope vs Slug



Right In: 23.055 $\pm$ 0.557  $\chi^2$ /NDF: 461.1/16

Left Out: 13.835 $\pm$ 1.352  $\chi^2$ /NDF: 0.0/0

Right Out: 22.365 $\pm$ 0.573  $\chi^2$ /NDF: 368.8/17

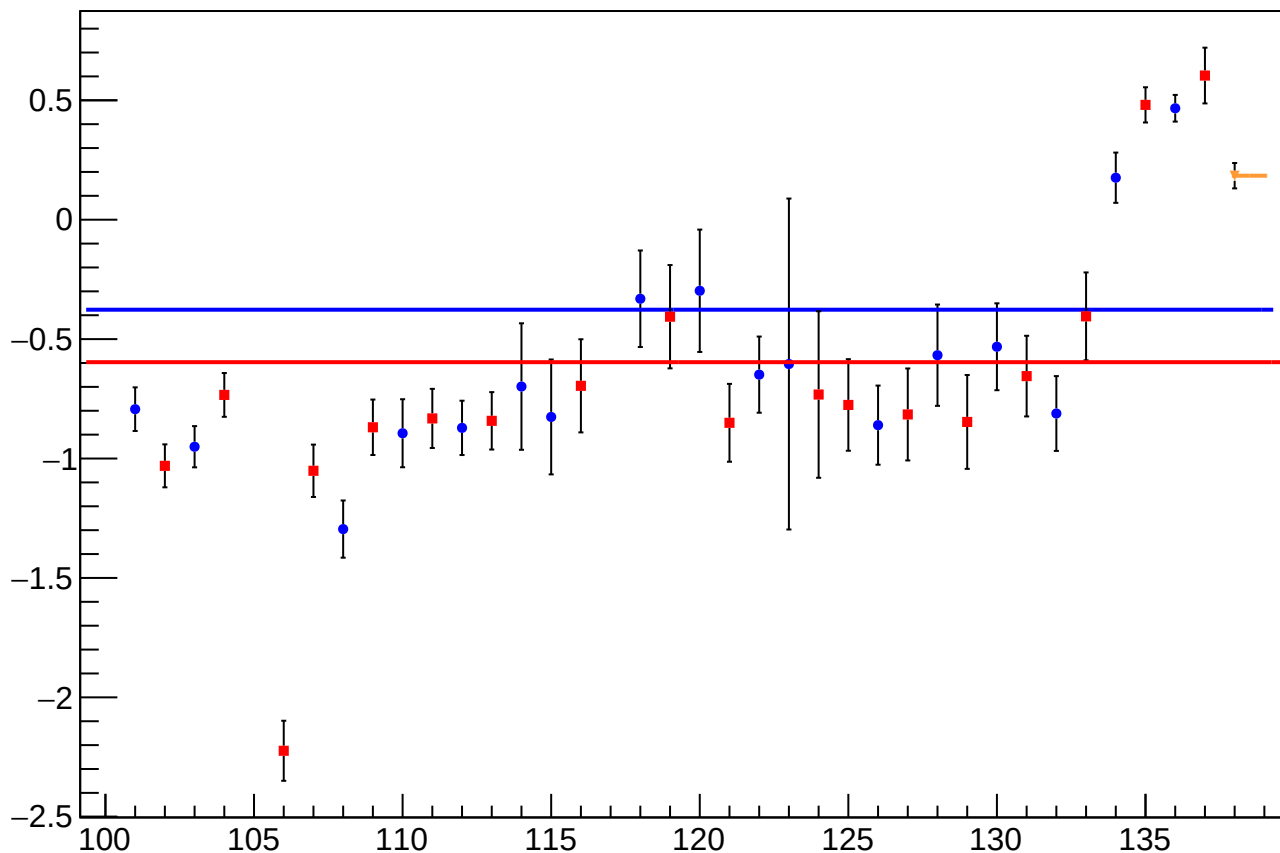
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 21.717 $\pm$ 0.515  $\chi^2$ /NDF: 500.9/17

All: 22.007 $\pm$ 0.383  $\chi^2$ /NDF: 870.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam3\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.377 \pm 0.030$   $\chi^2/\text{NDF}$ : 437.4/16

Left Out:  $0.184 \pm 0.053$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.597 \pm 0.030$   $\chi^2/\text{NDF}$ : 551.3/17

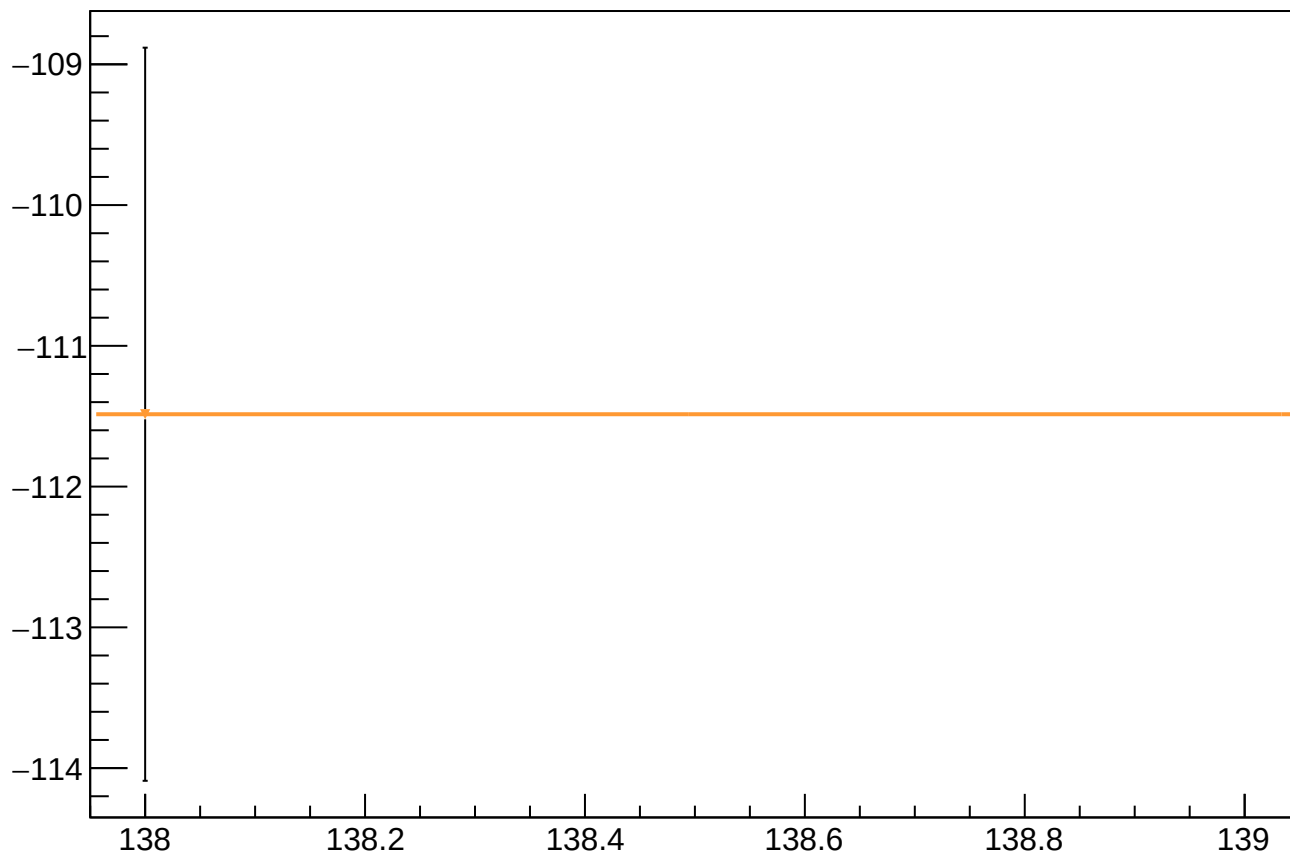
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.240 \pm 0.026$   $\chi^2/\text{NDF}$ : 521.9/17

All:  $-0.393 \pm 0.020$   $\chi^2/\text{NDF}$ : 1152.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam4\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -111.486+/-2.604  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

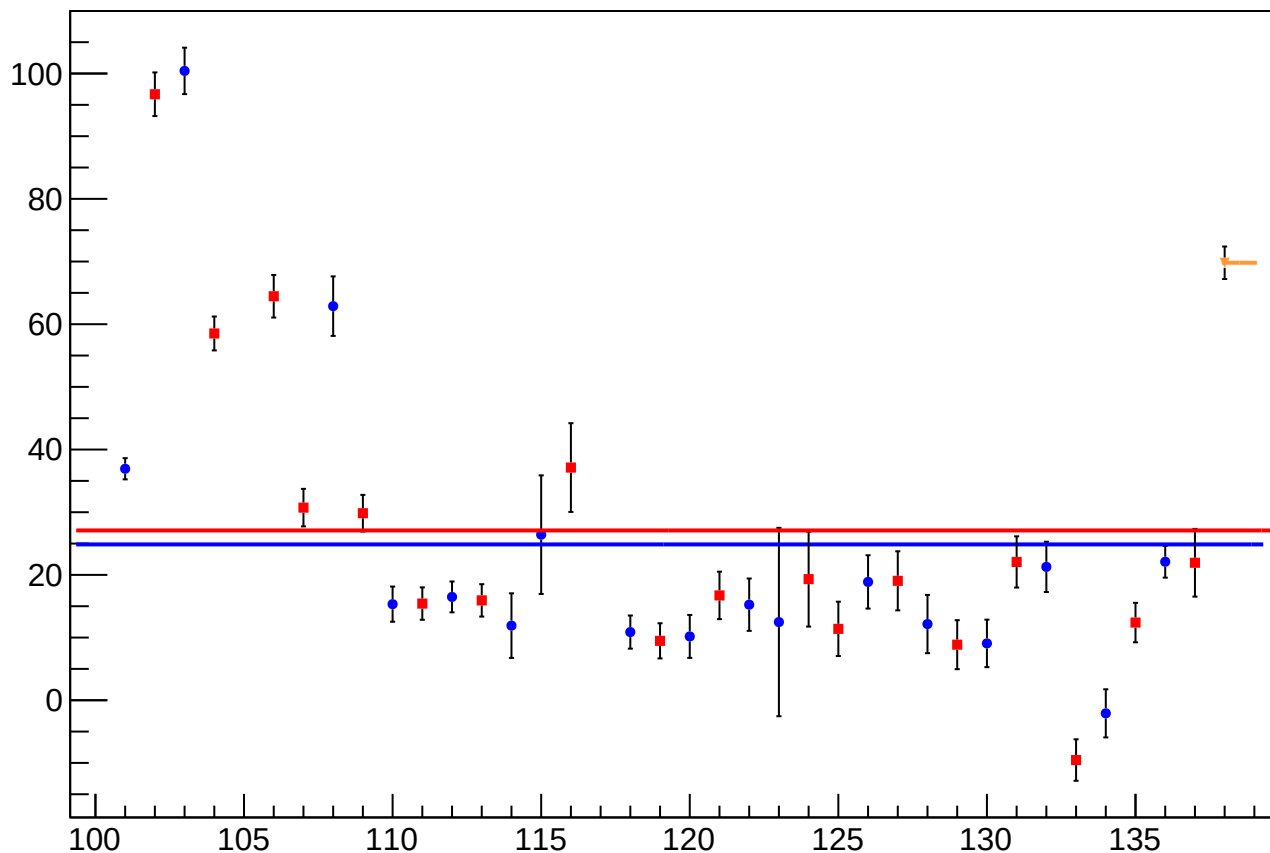
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -111.486+/-2.604  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam4\_diff\_bpm4aY\_slope vs Slug



Right In: 24.863+/-0.802  $\chi^2/\text{NDF}$ : 691.0/16

Left Out: 69.806+/-2.593  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 27.093+/-0.812  $\chi^2/\text{NDF}$ : 930.9/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

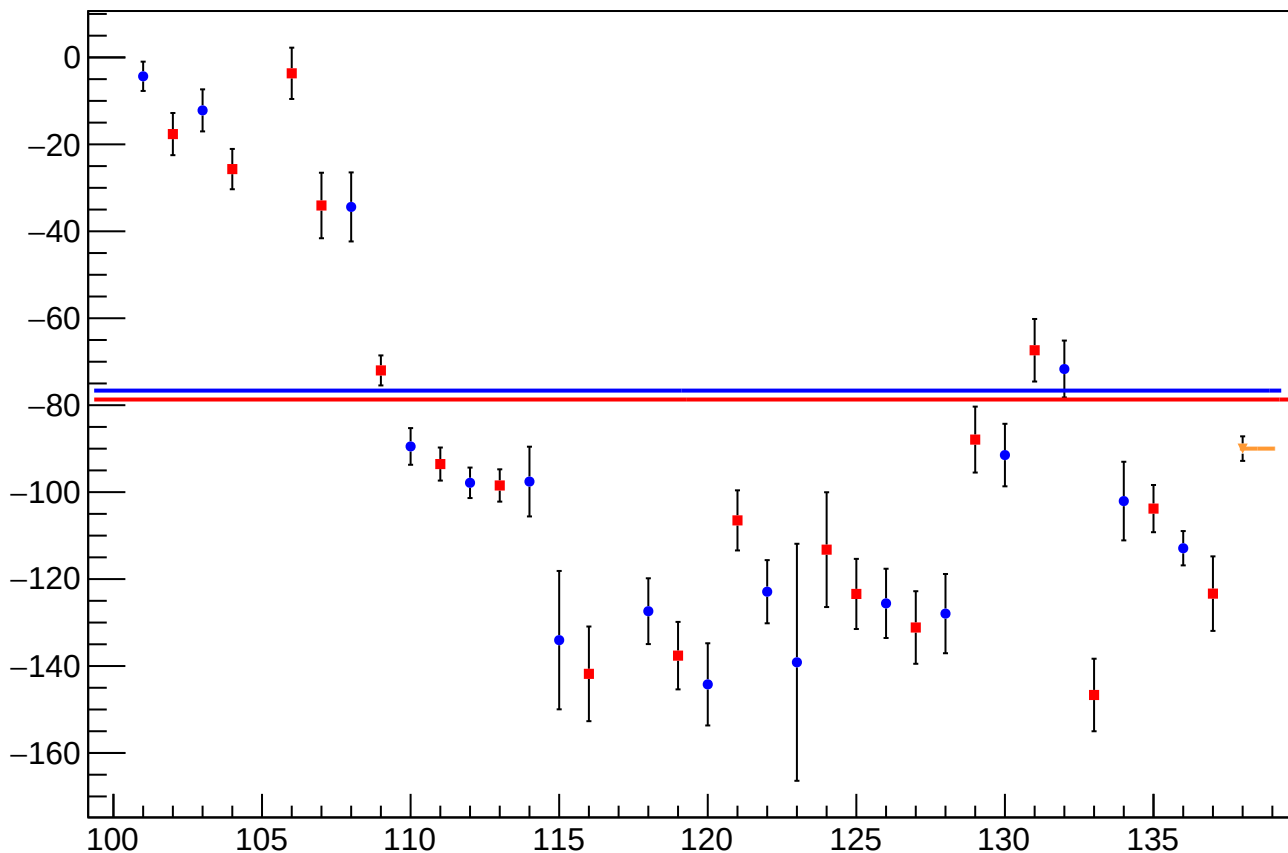
+ sign 28.787+/-0.766  $\chi^2/\text{NDF}$ : 965.3/17

All: 27.989+/-0.557  $\chi^2/\text{NDF}$ : 1898.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug



Right In:  $-76.641 \pm 1.415$   $\chi^2/\text{NDF}$ : 1040.7/16

Left Out:  $-89.988 \pm 2.823$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-78.695 \pm 1.360$   $\chi^2/\text{NDF}$ : 836.5/17

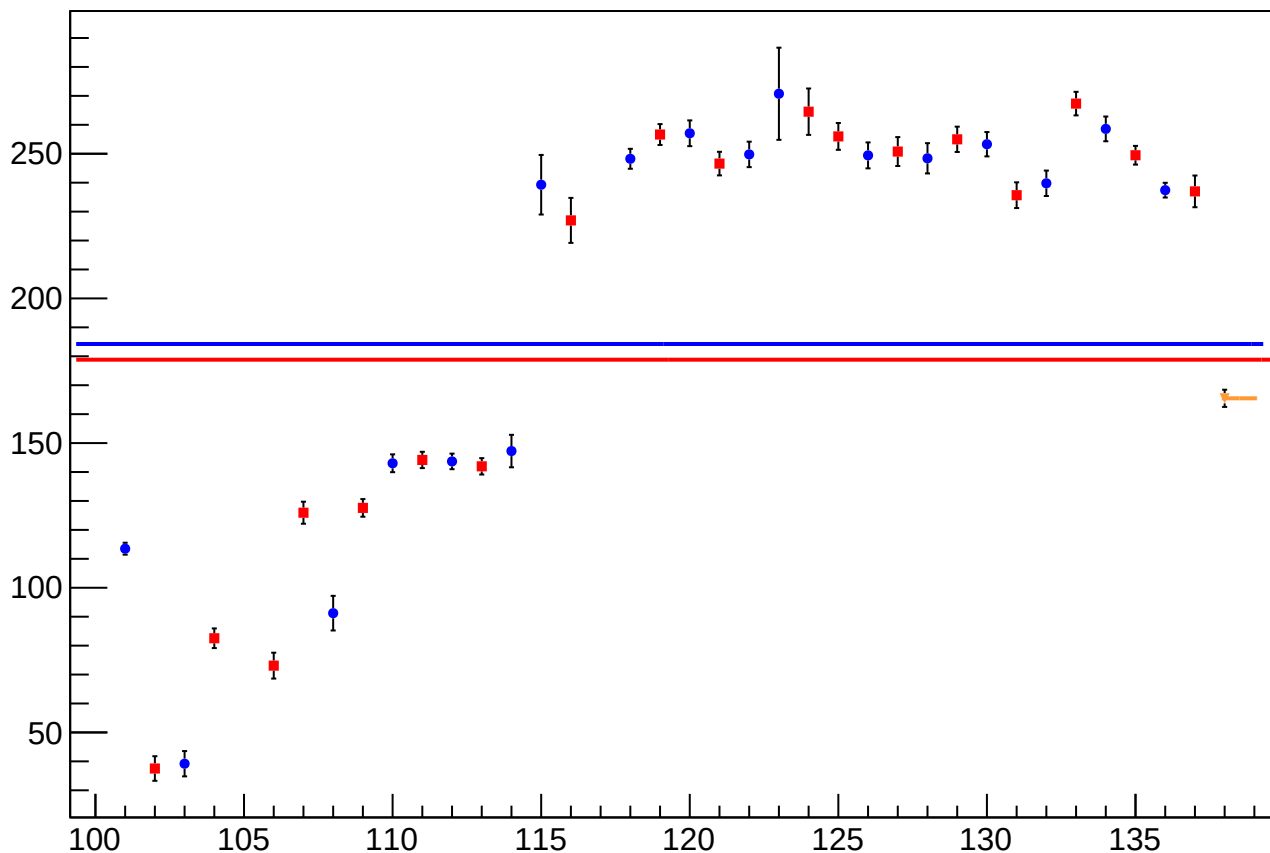
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-79.321 \pm 1.265$   $\chi^2/\text{NDF}$ : 1058.6/17

All:  $-79.031 \pm 0.926$   $\chi^2/\text{NDF}$ : 1895.2/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam4\_diff\_bpm4eY\_slope vs Slug



Right In: 184.246 $\pm$ 0.915  $\chi^2$ /NDF: 5388.6/16

Left Out: 165.473 $\pm$ 2.973  $\chi^2$ /NDF: 0.0/0

Right Out: 178.822 $\pm$ 0.926  $\chi^2$ /NDF: 6171.0/17

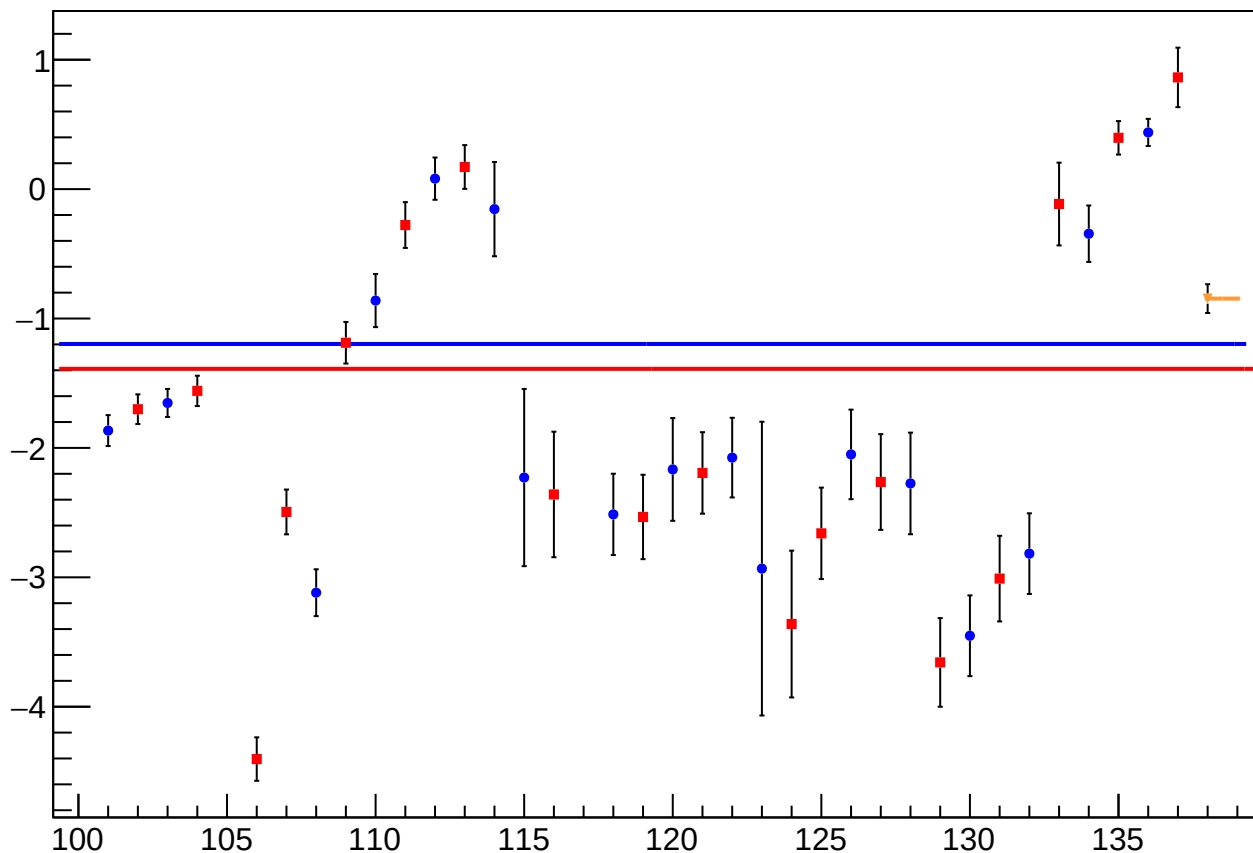
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 182.620 $\pm$ 0.875  $\chi^2$ /NDF: 5425.0/17

All: 180.828 $\pm$ 0.636  $\chi^2$ /NDF: 11604.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam4\_diff\_bpm12X\_slope vs Slug



Right In: -1.197 $\pm$ 0.048  $\chi^2$ /NDF: 621.5/16

Left Out: -0.846 $\pm$ 0.111  $\chi^2$ /NDF: 0.0/0

Right Out: -1.389 $\pm$ 0.046  $\chi^2$ /NDF: 922.2/17

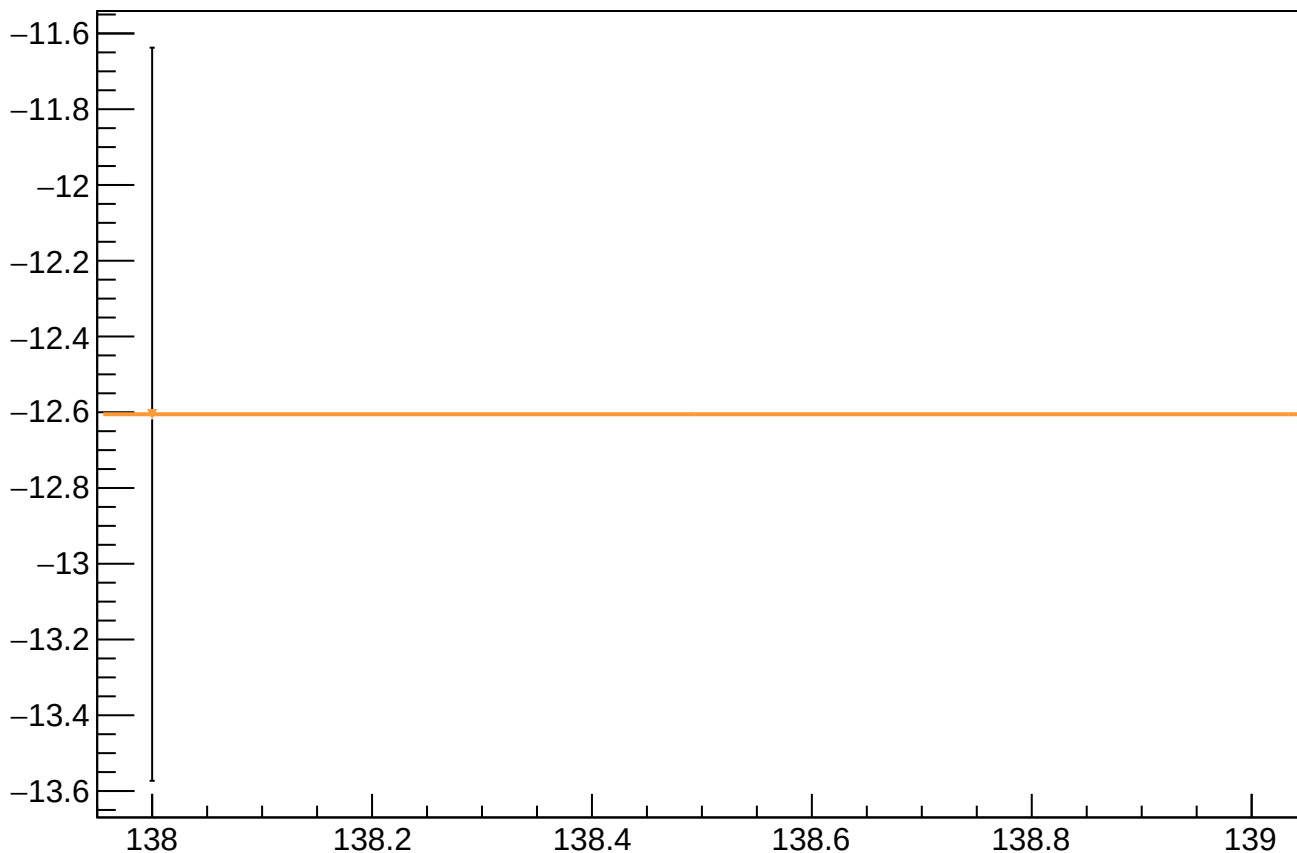
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -1.141 $\pm$ 0.044  $\chi^2$ /NDF: 629.9/17

All: -1.260 $\pm$ 0.032  $\chi^2$ /NDF: 1567.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam5\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -12.605+/-0.968  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

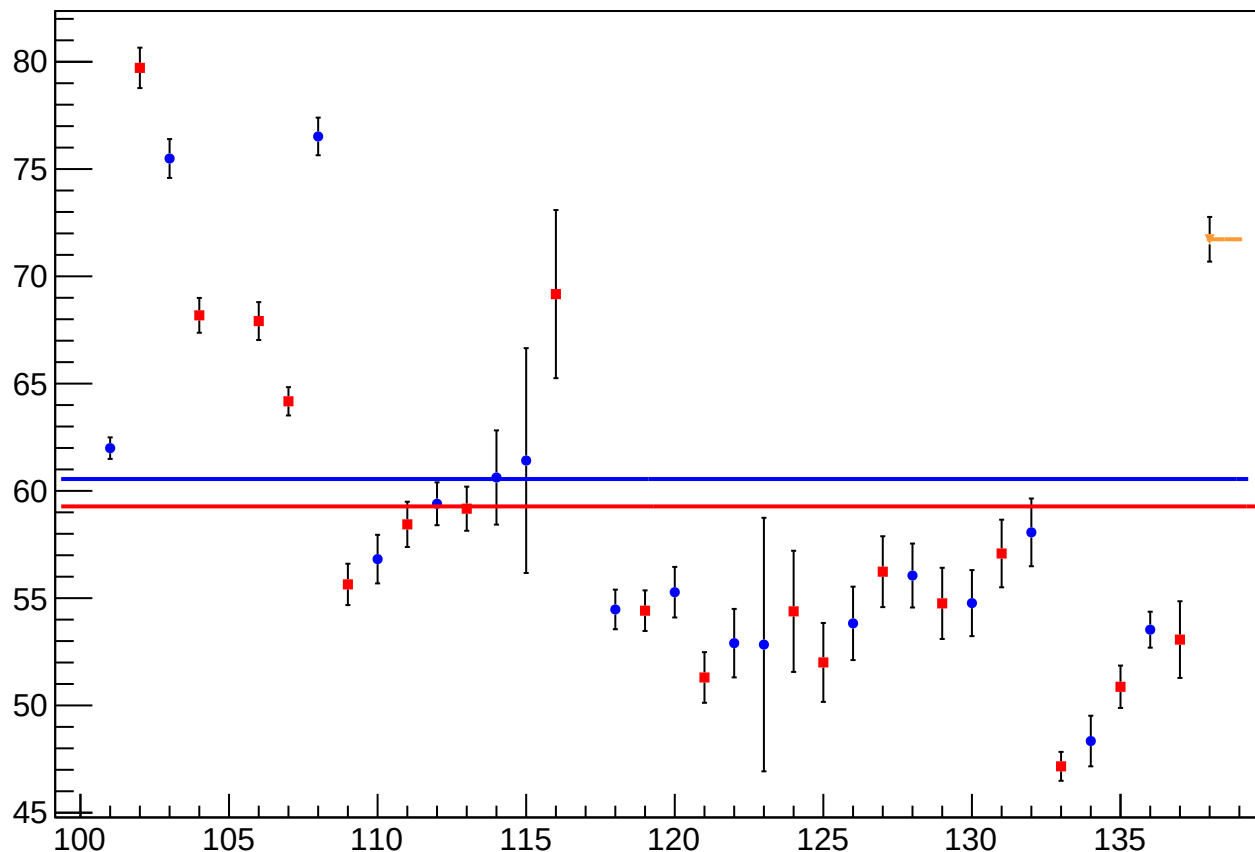
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -12.605+/-0.968  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam5\_diff\_bpm4aY\_slope vs Slug



Right In: 60.552 $\pm$ 0.262  $\chi^2$ /NDF: 931.0/16

Left Out: 71.727 $\pm$ 1.041  $\chi^2$ /NDF: 0.0/0

Right Out: 59.276 $\pm$ 0.249  $\chi^2$ /NDF: 1274.8/17

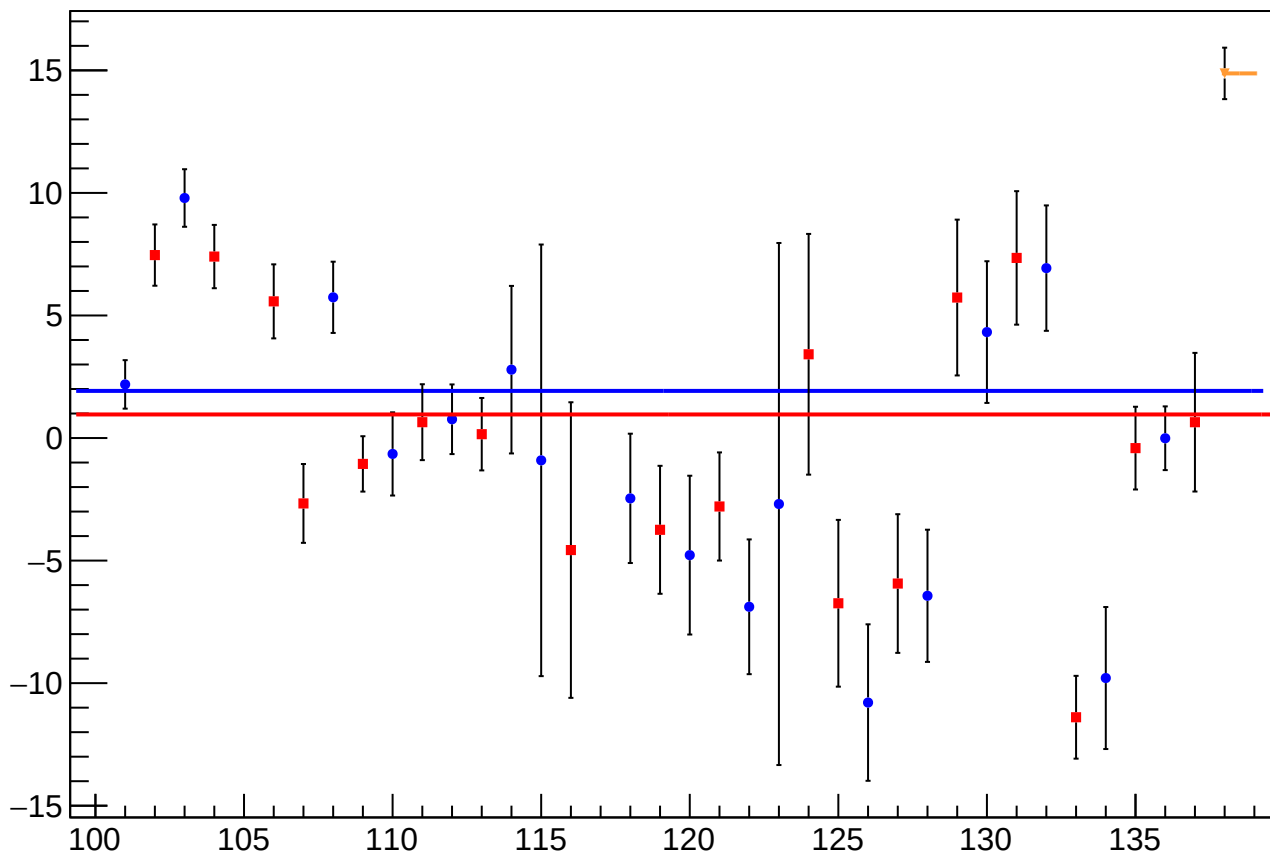
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 61.217 $\pm$ 0.254  $\chi^2$ /NDF: 1039.3/17

All: 60.227 $\pm$ 0.178  $\chi^2$ /NDF: 2343.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam5\_diff\_bpm4eX\_slope vs Slug



Right In:  $1.923 \pm 0.458$   $\chi^2/\text{NDF}$ : 121.1/16

Left Out:  $14.876 \pm 1.050$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.962 \pm 0.430$   $\chi^2/\text{NDF}$ : 150.1/17

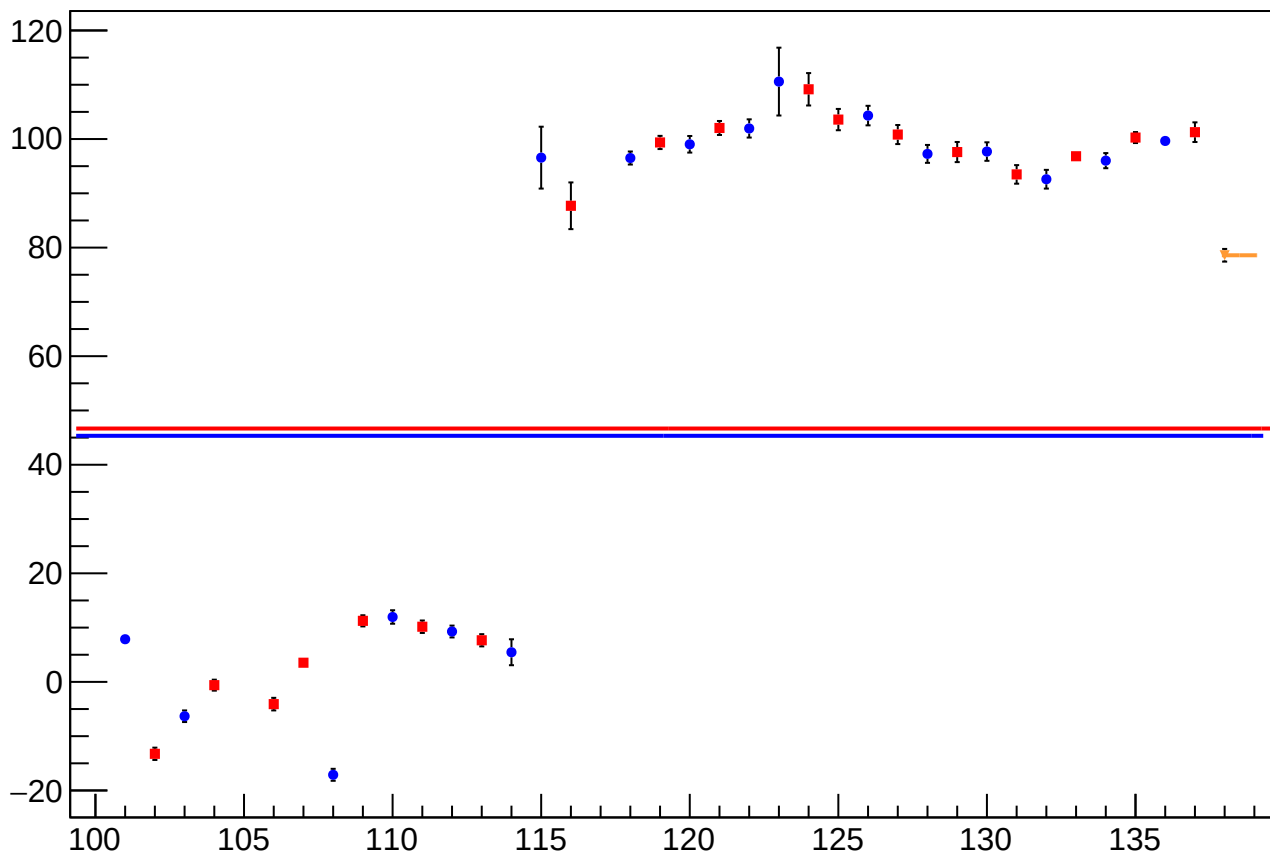
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $3.996 \pm 0.420$   $\chi^2/\text{NDF}$ : 248.9/17

All:  $2.514 \pm 0.300$   $\chi^2/\text{NDF}$ : 424.5/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam5\_diff\_bpm4eY\_slope vs Slug



Right In: 45.331 $\pm$ 0.304  $\chi^2$ /NDF: 25006.9/16

Left Out: 78.587 $\pm$ 1.169  $\chi^2$ /NDF: 0.0/0

Right Out: 46.673 $\pm$ 0.291  $\chi^2$ /NDF: 27896.8/17

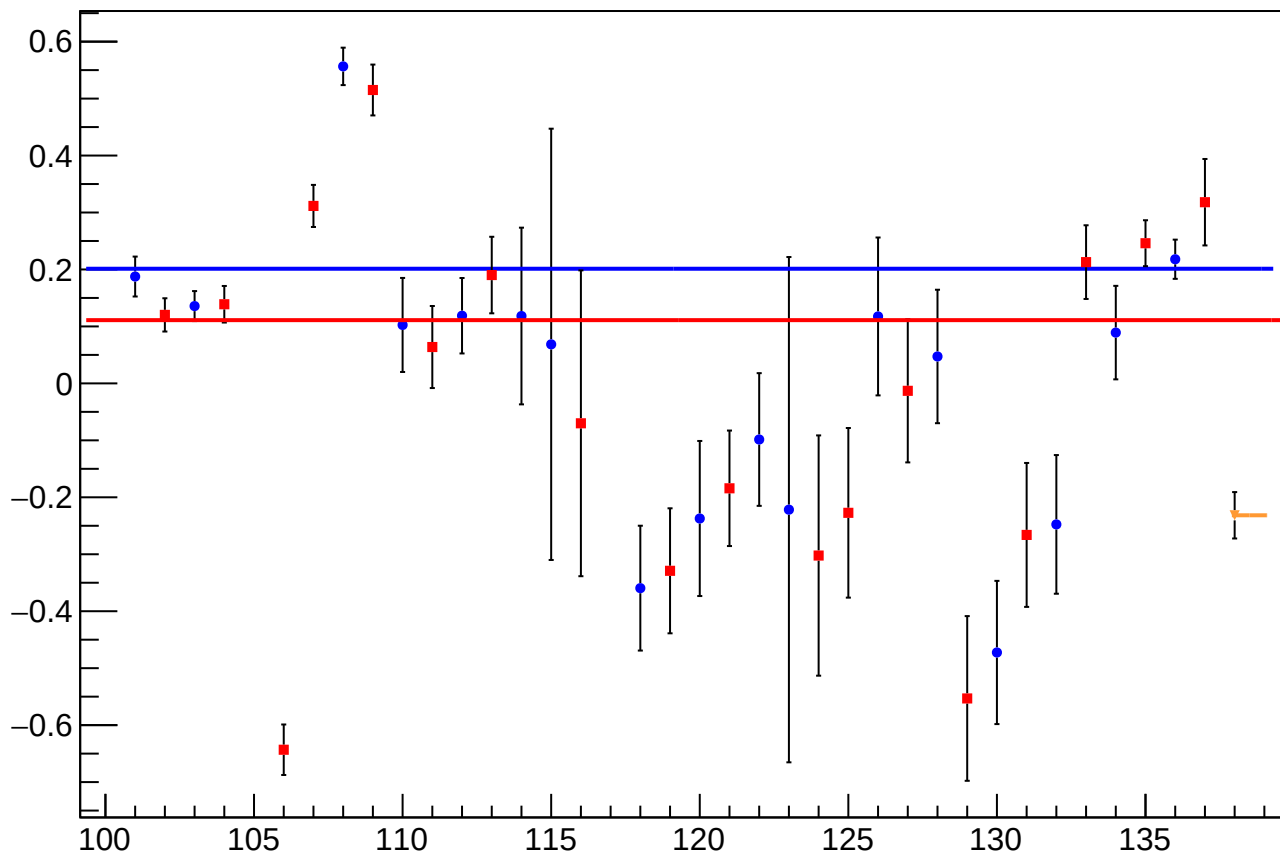
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 47.433 $\pm$ 0.294  $\chi^2$ /NDF: 25765.4/17

All: 47.049 $\pm$ 0.207  $\chi^2$ /NDF: 53665.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam5\_diff\_bpm12X\_slope vs Slug



Right In: 0.201 $\pm$ 0.014  $\chi^2$ /NDF: 217.3/16

Left Out: -0.232 $\pm$ 0.041  $\chi^2$ /NDF: 0.0/0

Right Out: 0.111 $\pm$ 0.013  $\chi^2$ /NDF: 489.6/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

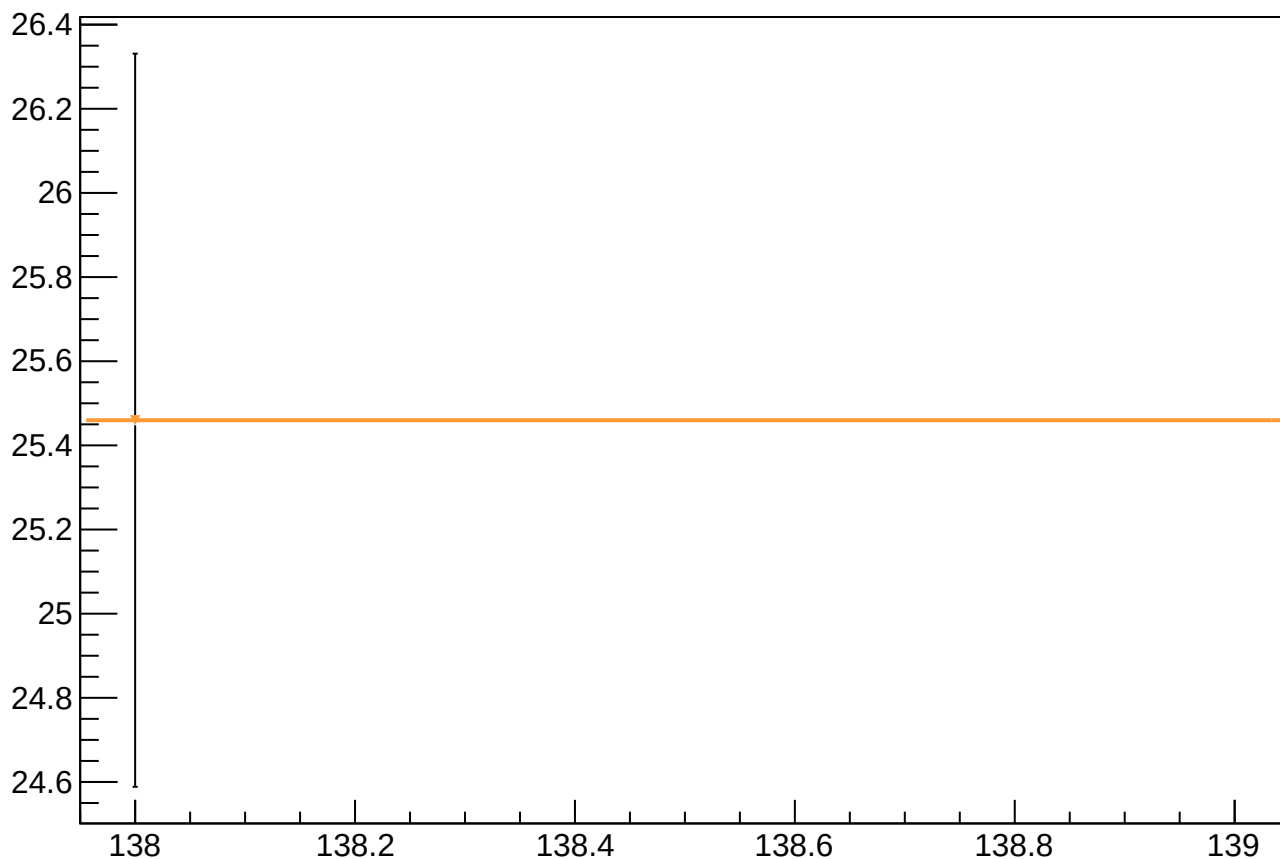
+ sign 0.155 $\pm$ 0.013  $\chi^2$ /NDF: 318.2/17

All: 0.133 $\pm$ 0.009  $\chi^2$ /NDF: 813.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam6\_diff\_bpm1X\_slope vs Slug



Right In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left Out:  $25.460 \pm 0.871$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

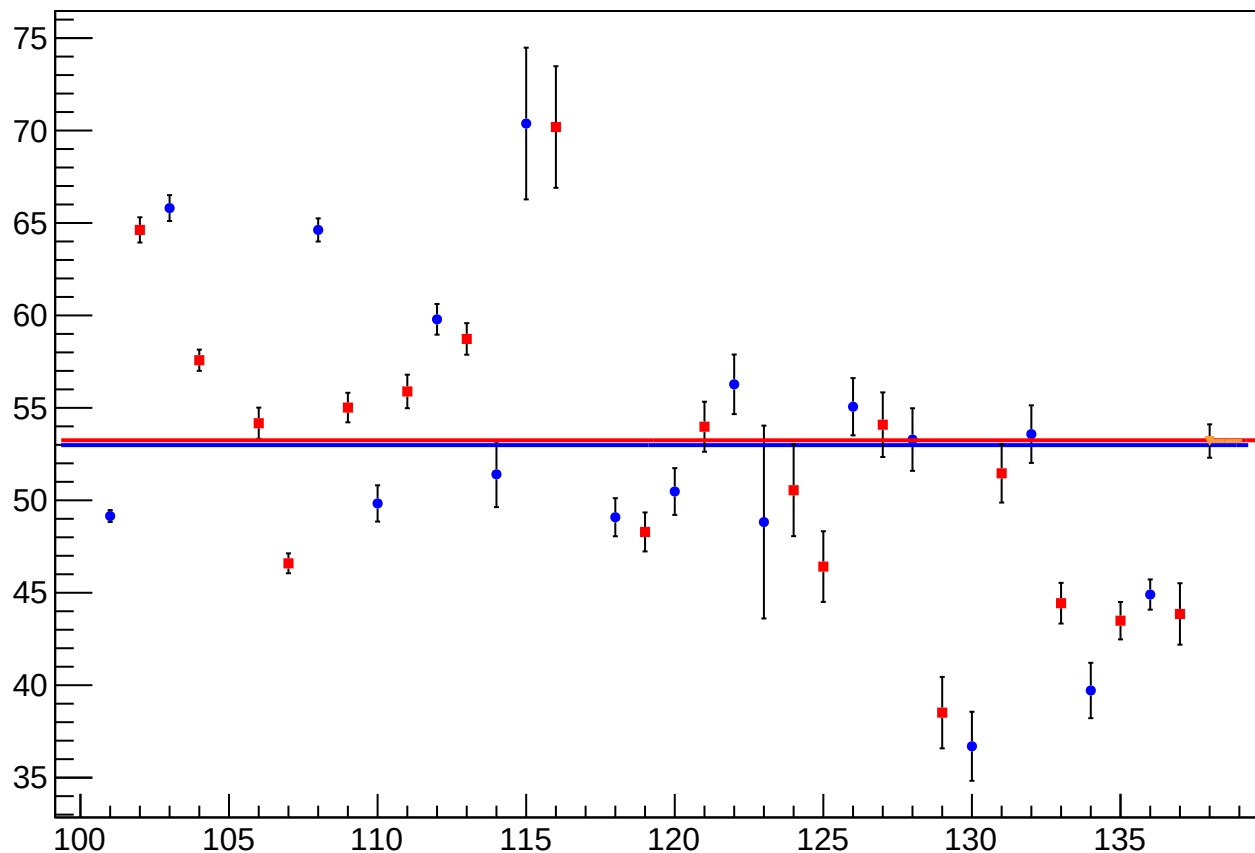
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $25.460 \pm 0.871$   $\chi^2/\text{NDF}$ : 0.0/0

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug



Right In: 52.985+/-0.210  $\chi^2/\text{NDF}$ : 1197.9/16

Left Out: 53.206+/-0.903  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 53.248+/-0.227  $\chi^2/\text{NDF}$ : 856.4/17

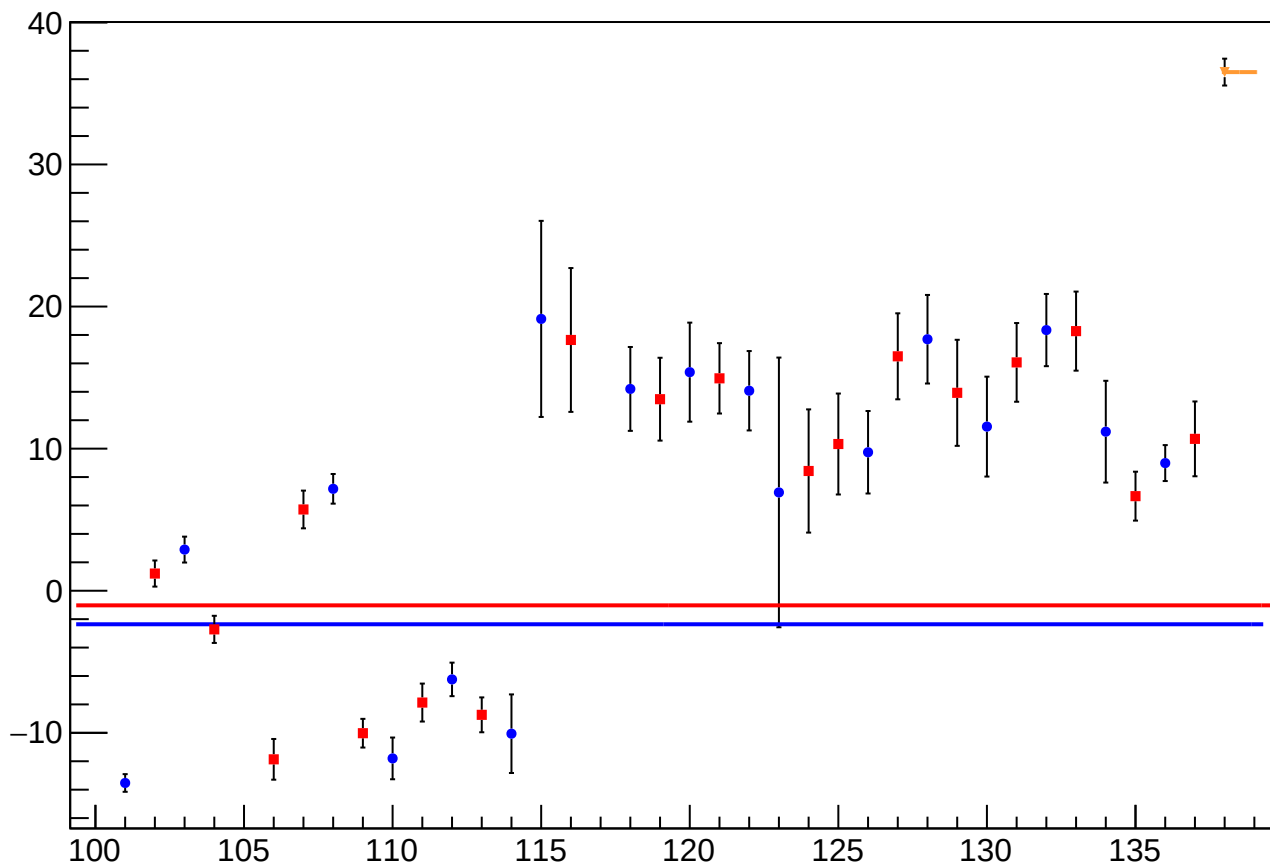
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 52.997+/-0.205  $\chi^2/\text{NDF}$ : 1198.0/17

All: 53.109+/-0.152  $\chi^2/\text{NDF}$ : 2055.0/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug



Right In:  $-2.360 \pm 0.364$   $\chi^2/\text{NDF}$ : 837.7/16

Left Out:  $36.499 \pm 0.945$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.028 \pm 0.380$   $\chi^2/\text{NDF}$ : 507.8/17

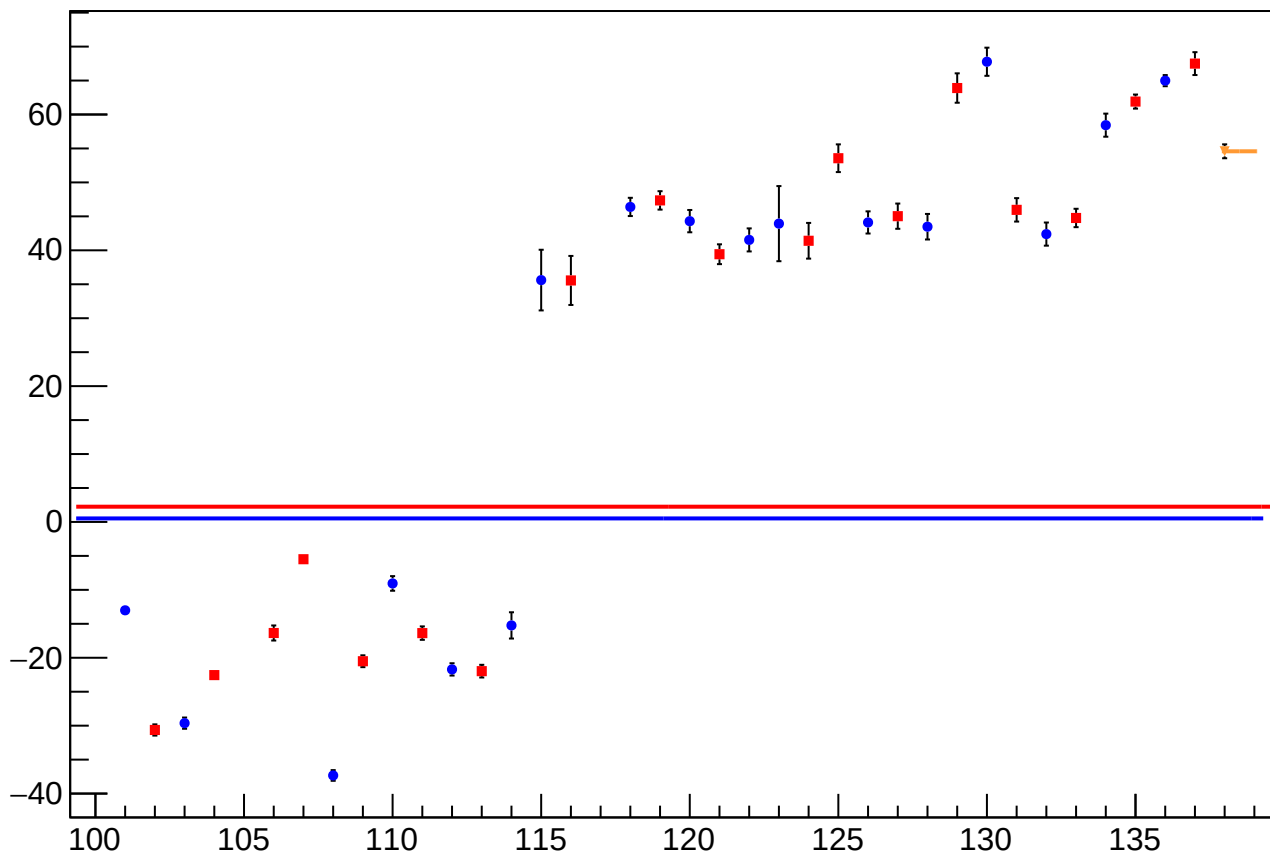
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $2.665 \pm 0.340$   $\chi^2/\text{NDF}$ : 2310.3/17

All:  $1.025 \pm 0.253$   $\chi^2/\text{NDF}$ : 2870.5/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam6\_diff\_bpm4eY\_slope vs Slug



Right In: 0.518+/-0.247  $\chi^2/\text{NDF}$ : 18386.0/16

Left Out: 54.582+/-1.024  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.246+/-0.267  $\chi^2/\text{NDF}$ : 15377.0/17

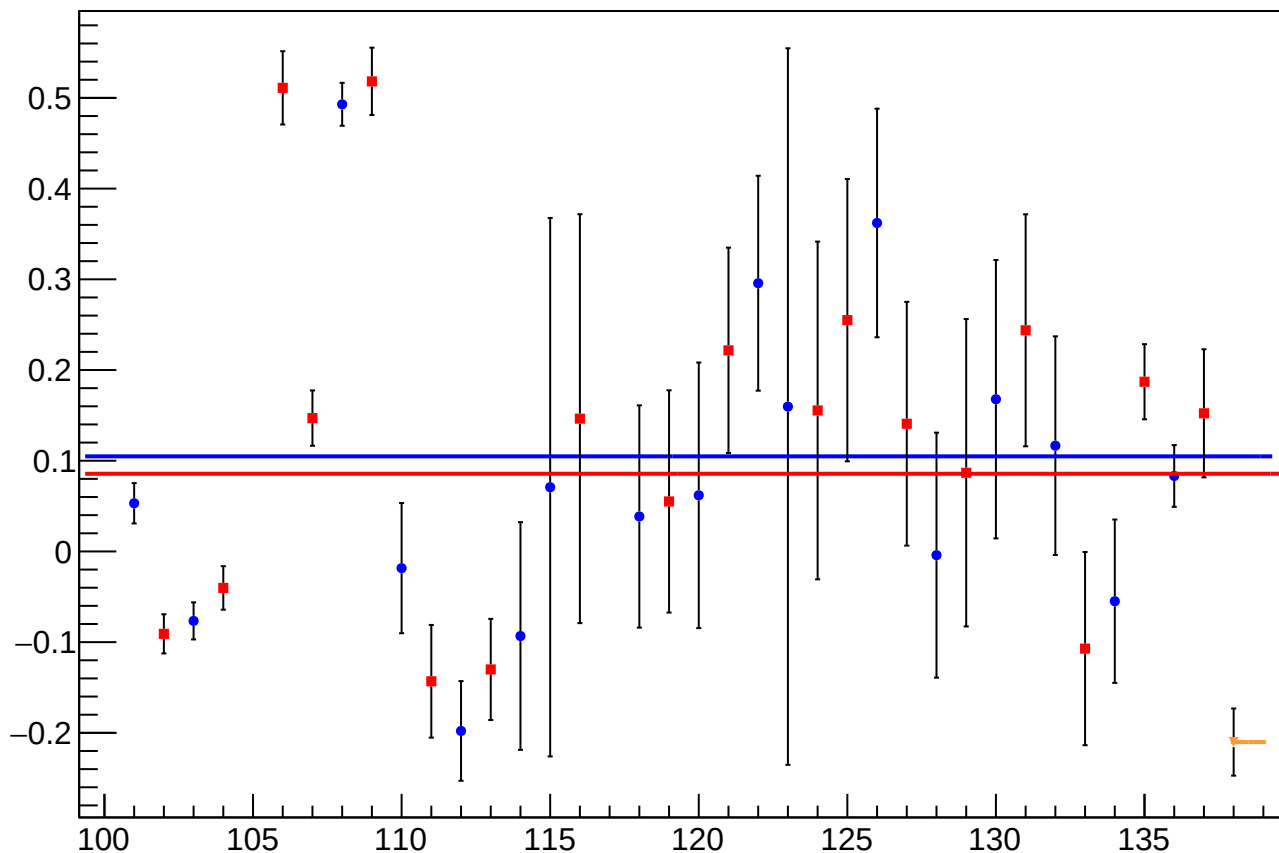
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3.490+/-0.240  $\chi^2/\text{NDF}$ : 21020.9/17

All: 2.935+/-0.179  $\chi^2/\text{NDF}$ : 36409.9/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam6\_diff\_bpm12X\_slope vs Slug



Right In: 0.105 $\pm$ 0.011  $\chi^2$ /NDF: 400.8/16

Left Out: -0.210 $\pm$ 0.037  $\chi^2$ /NDF: 0.0/0

Right Out: 0.086 $\pm$ 0.011  $\chi^2$ /NDF: 388.3/17

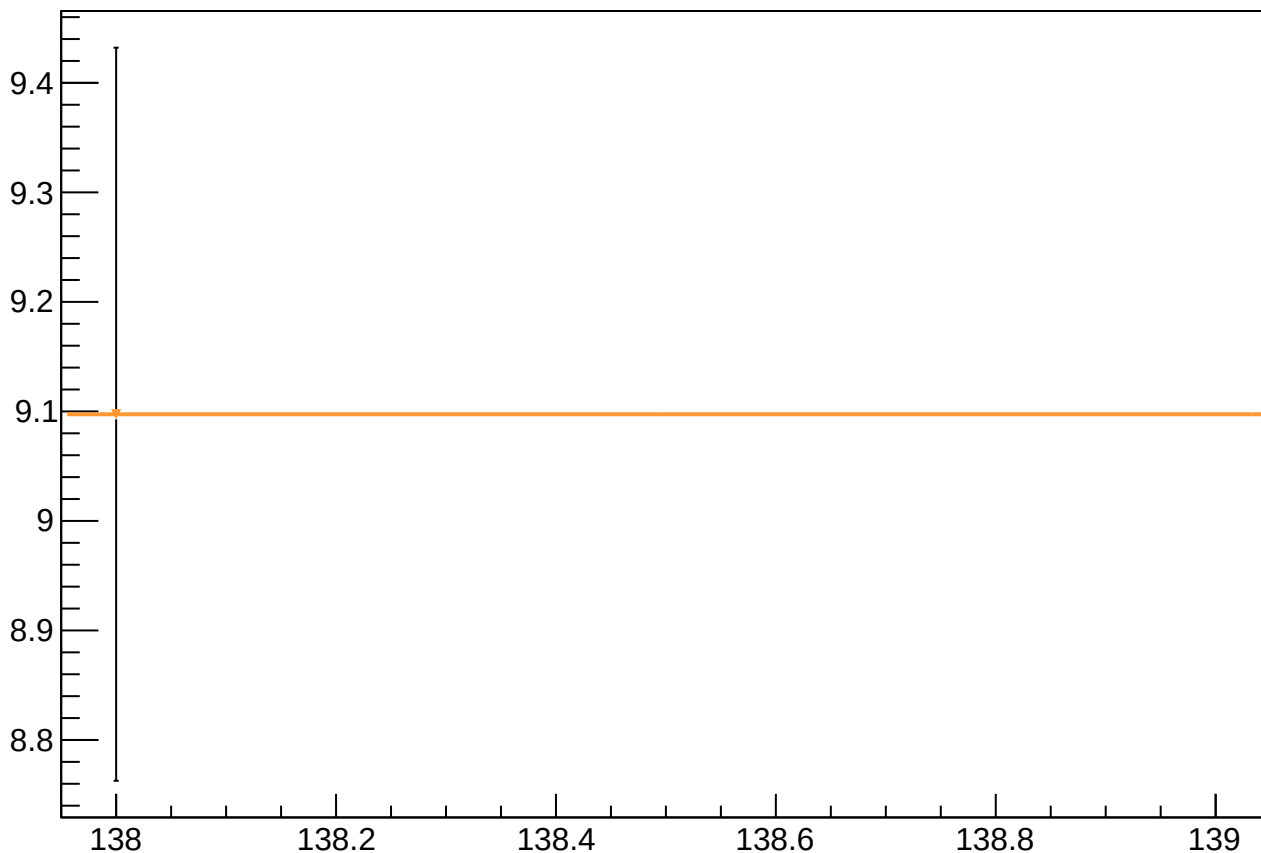
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.079 $\pm$ 0.011  $\chi^2$ /NDF: 467.3/17

All: 0.082 $\pm$ 0.008  $\chi^2$ /NDF: 855.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam7\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 9.097+/-0.335  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

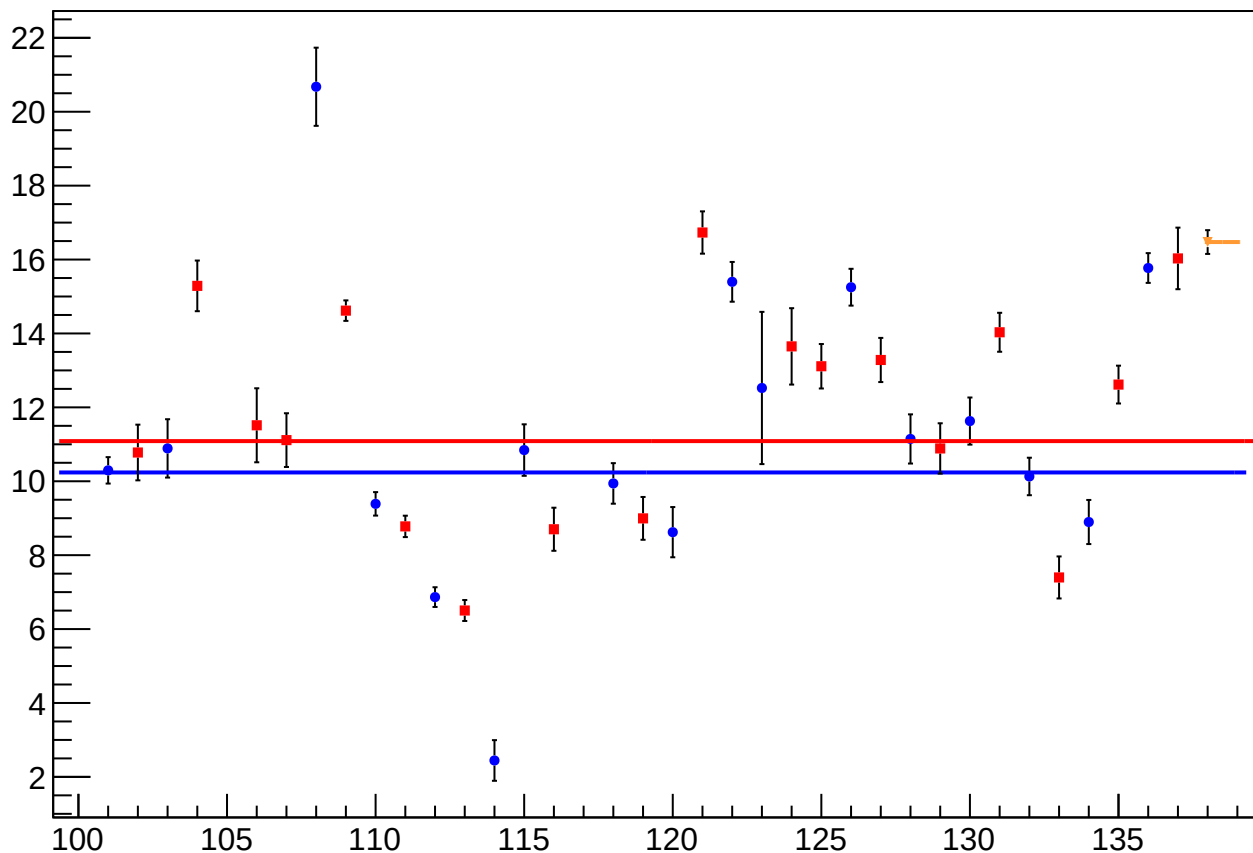
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.097+/-0.335  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam7\_diff\_bpm4aY\_slope vs Slug



Right In: 10.238 $\pm$ 0.119  $\chi^2$ /NDF: 867.4/16

Left Out: 16.474 $\pm$ 0.322  $\chi^2$ /NDF: 0.0/0

Right Out: 11.087 $\pm$ 0.116  $\chi^2$ /NDF: 801.0/17

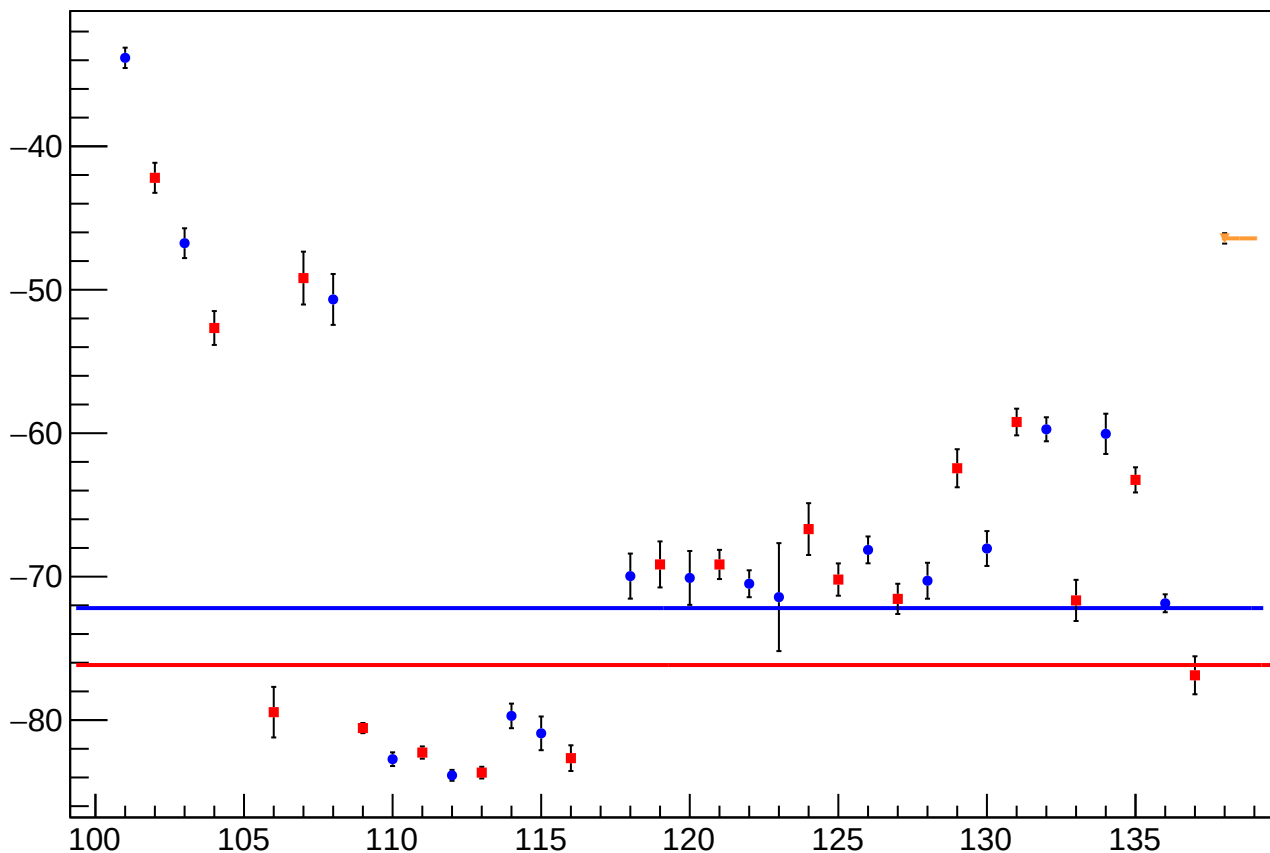
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 10.991 $\pm$ 0.112  $\chi^2$ /NDF: 1198.1/17

All: 11.037 $\pm$ 0.081  $\chi^2$ /NDF: 1999.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam7\_diff\_bpm4eX\_slope vs Slug



Right In:  $-72.192 \pm 0.198$   $\chi^2/\text{NDF}: 5563.0/16$

Left Out:  $-46.418 \pm 0.363$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-76.162 \pm 0.181$   $\chi^2/\text{NDF}: 3223.3/17$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

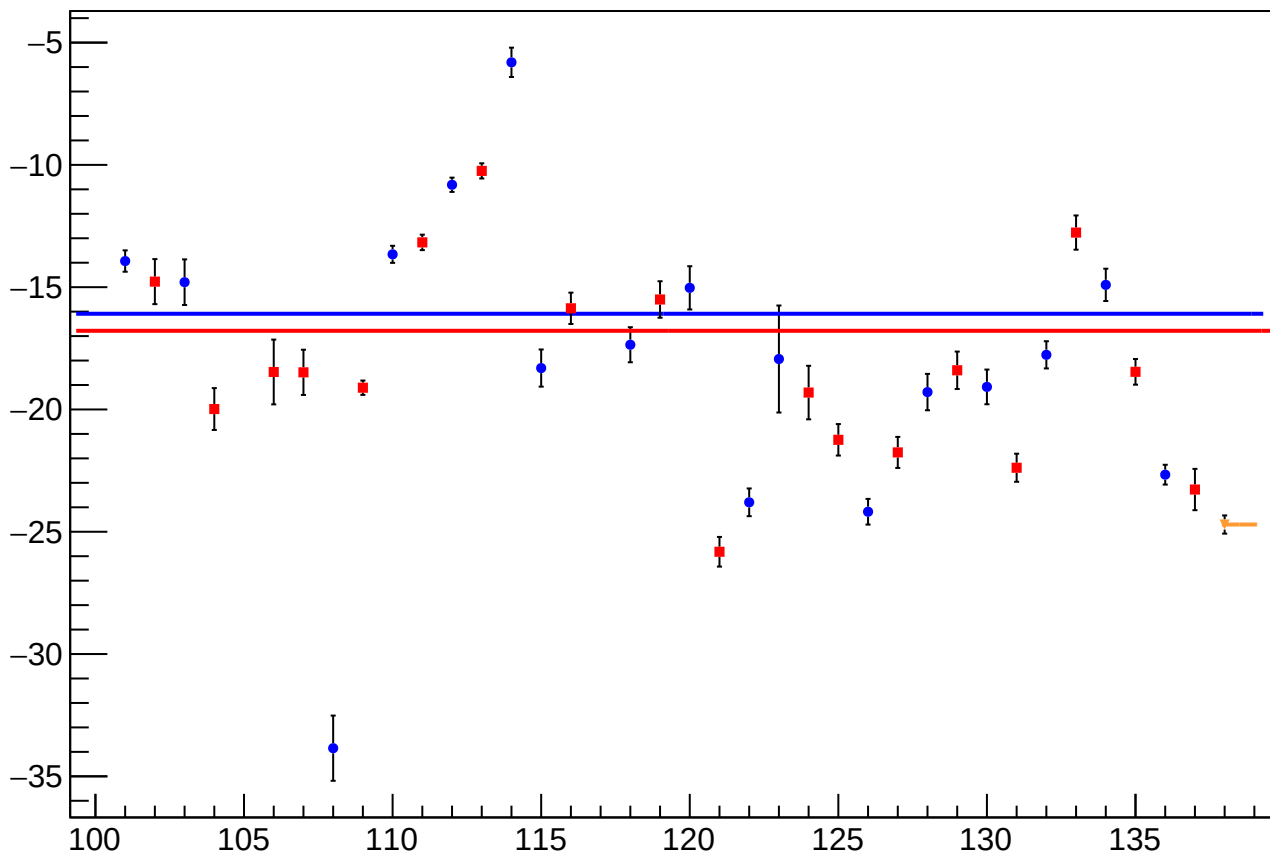
+ sign  $-66.270 \pm 0.174$   $\chi^2/\text{NDF}: 9451.3/17$

All:  $-71.011 \pm 0.125$   $\chi^2/\text{NDF}: 14225.6/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam7\_diff\_bpm4eY\_slope vs Slug



Right In:  $-16.087 \pm 0.132$   $\chi^2/\text{NDF}$ : 1621.7/16

Left Out:  $-24.704 \pm 0.372$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-16.783 \pm 0.128$   $\chi^2/\text{NDF}$ : 1204.4/17

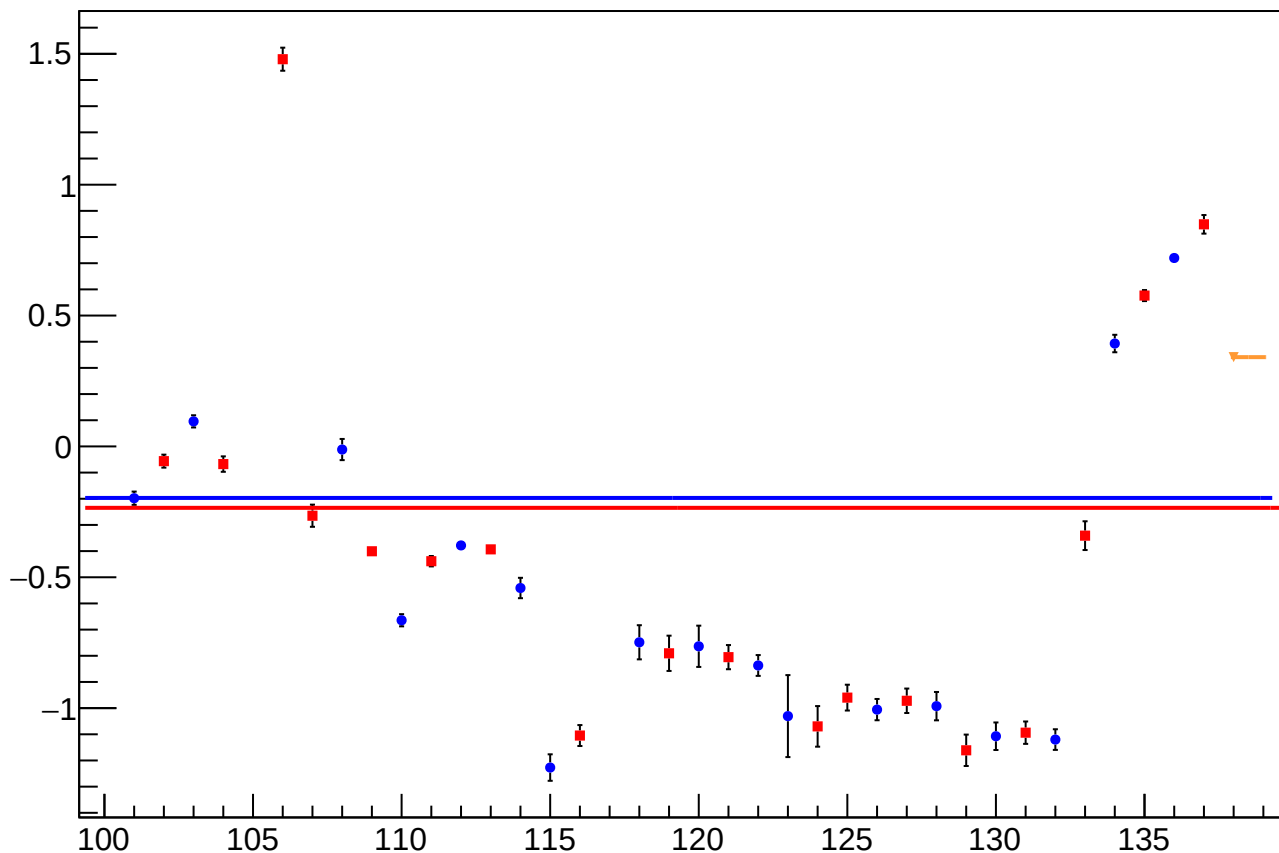
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-17.055 \pm 0.125$   $\chi^2/\text{NDF}$ : 2097.6/17

All:  $-16.923 \pm 0.089$   $\chi^2/\text{NDF}$ : 3304.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam7\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.197 \pm 0.008$   $\chi^2/\text{NDF}$ : 6329.9/16

Left Out:  $0.341 \pm 0.014$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.235 \pm 0.007$   $\chi^2/\text{NDF}$ : 6204.9/17

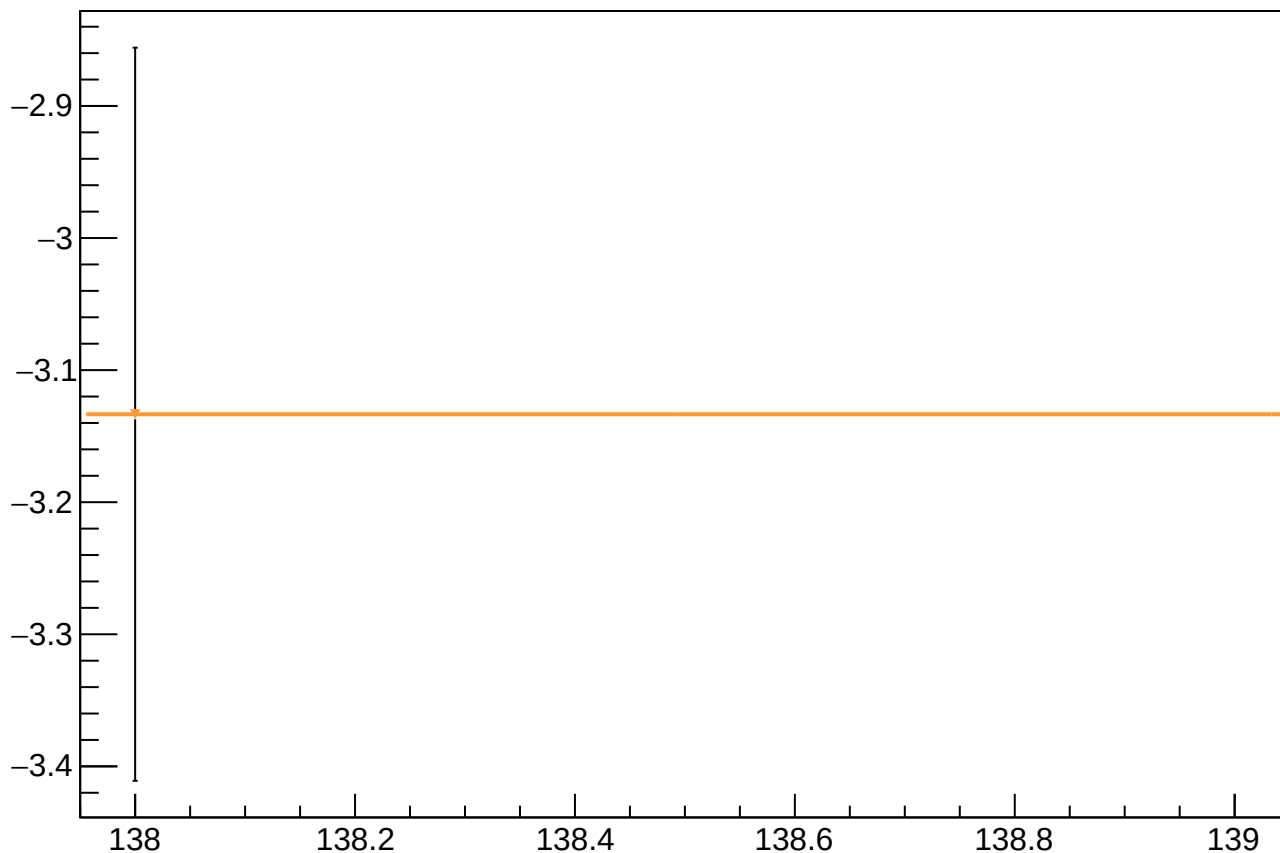
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.081 \pm 0.007$   $\chi^2/\text{NDF}$ : 7419.2/17

All:  $-0.153 \pm 0.005$   $\chi^2/\text{NDF}$ : 13867.5/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam8\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -3.133 $\pm$ 0.278  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

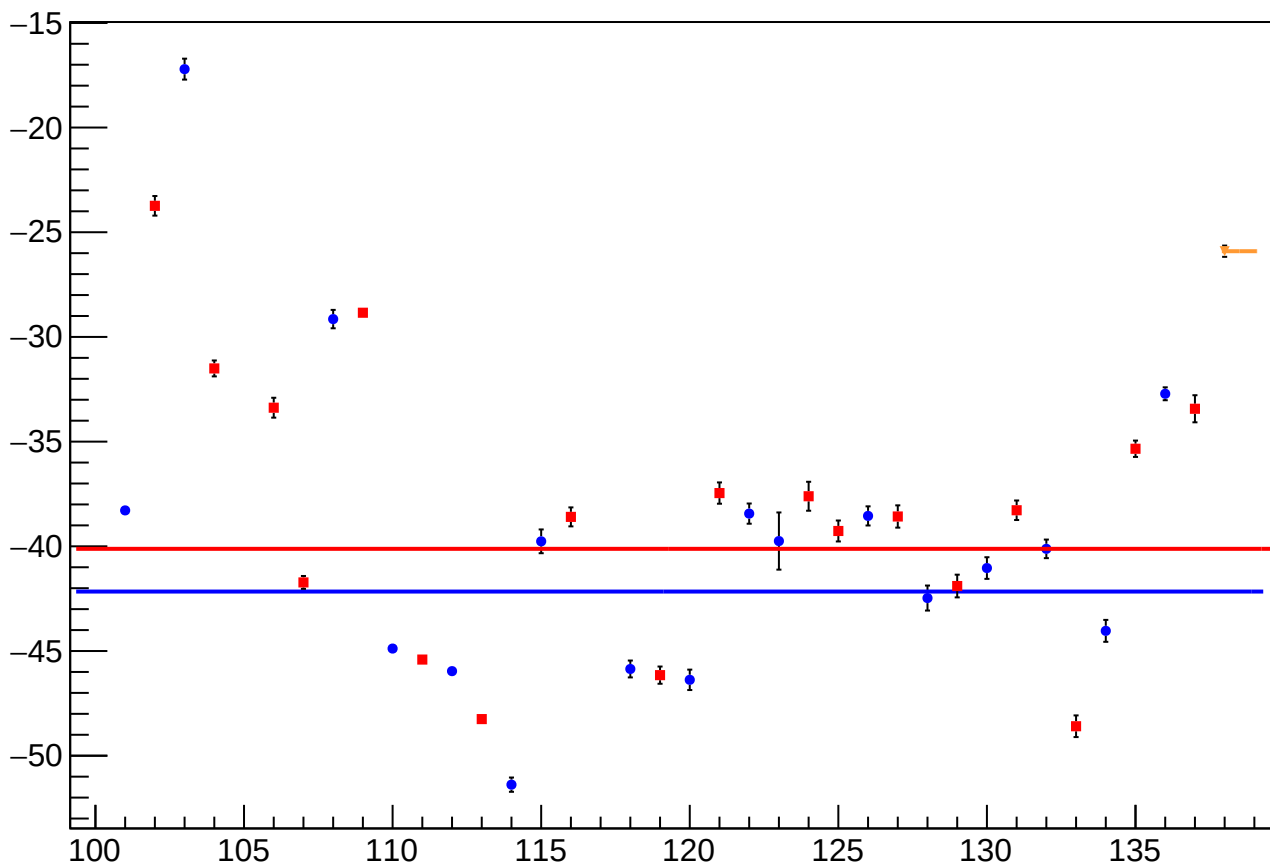
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -3.133 $\pm$ 0.278  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam8\_diff\_bpm4aY\_slope vs Slug



Right In:  $-42.160 \pm 0.078$   $\chi^2/\text{NDF}$ : 6570.6/16

Left Out:  $-25.906 \pm 0.269$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-40.120 \pm 0.073$   $\chi^2/\text{NDF}$ : 10884.6/17

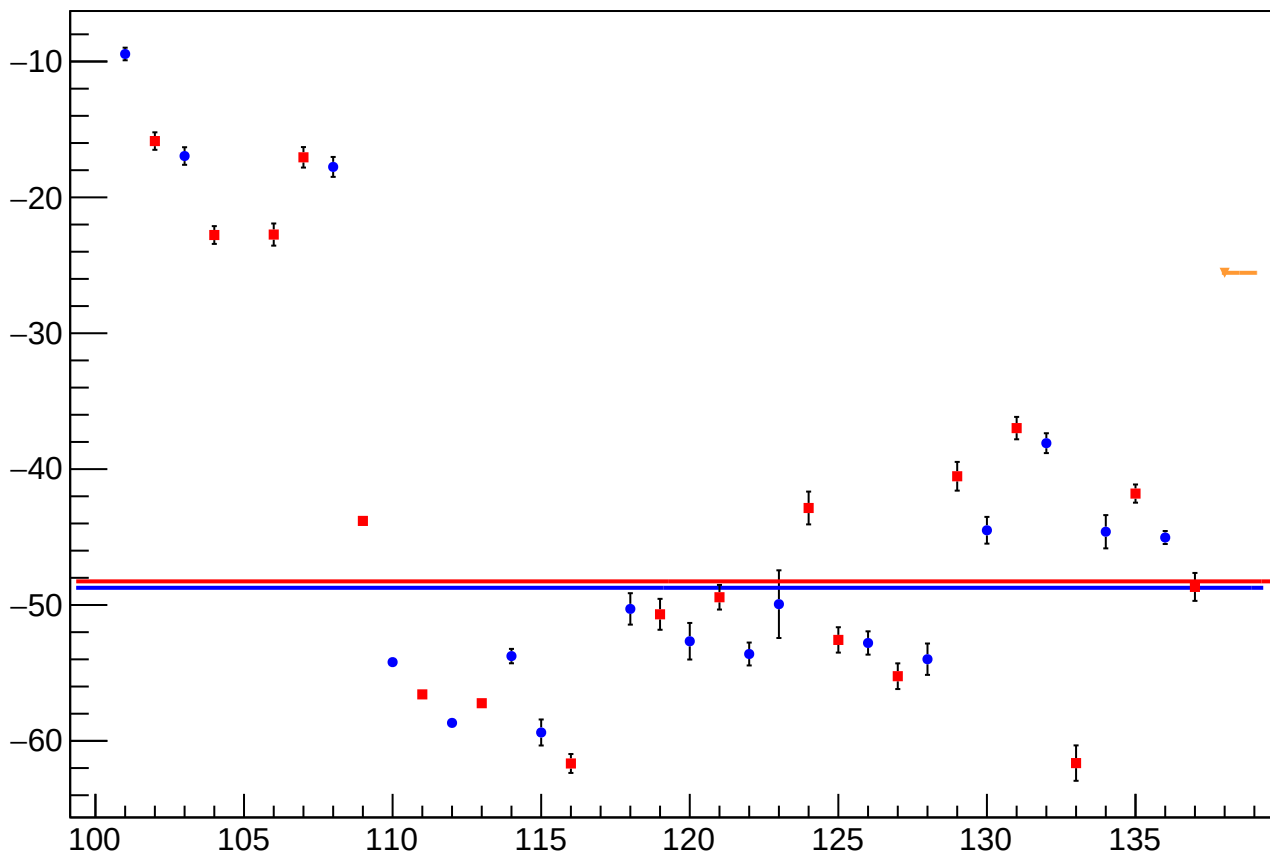
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-40.904 \pm 0.075$   $\chi^2/\text{NDF}$ : 9933.4/17

All:  $-40.501 \pm 0.052$   $\chi^2/\text{NDF}$ : 20874.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam8\_diff\_bpm4eX\_slope vs Slug



Right In:  $-48.733 \pm 0.125$   $\chi^2/\text{NDF}$ : 14659.4/16

Left Out:  $-25.552 \pm 0.301$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-48.261 \pm 0.107$   $\chi^2/\text{NDF}$ : 11091.7/17

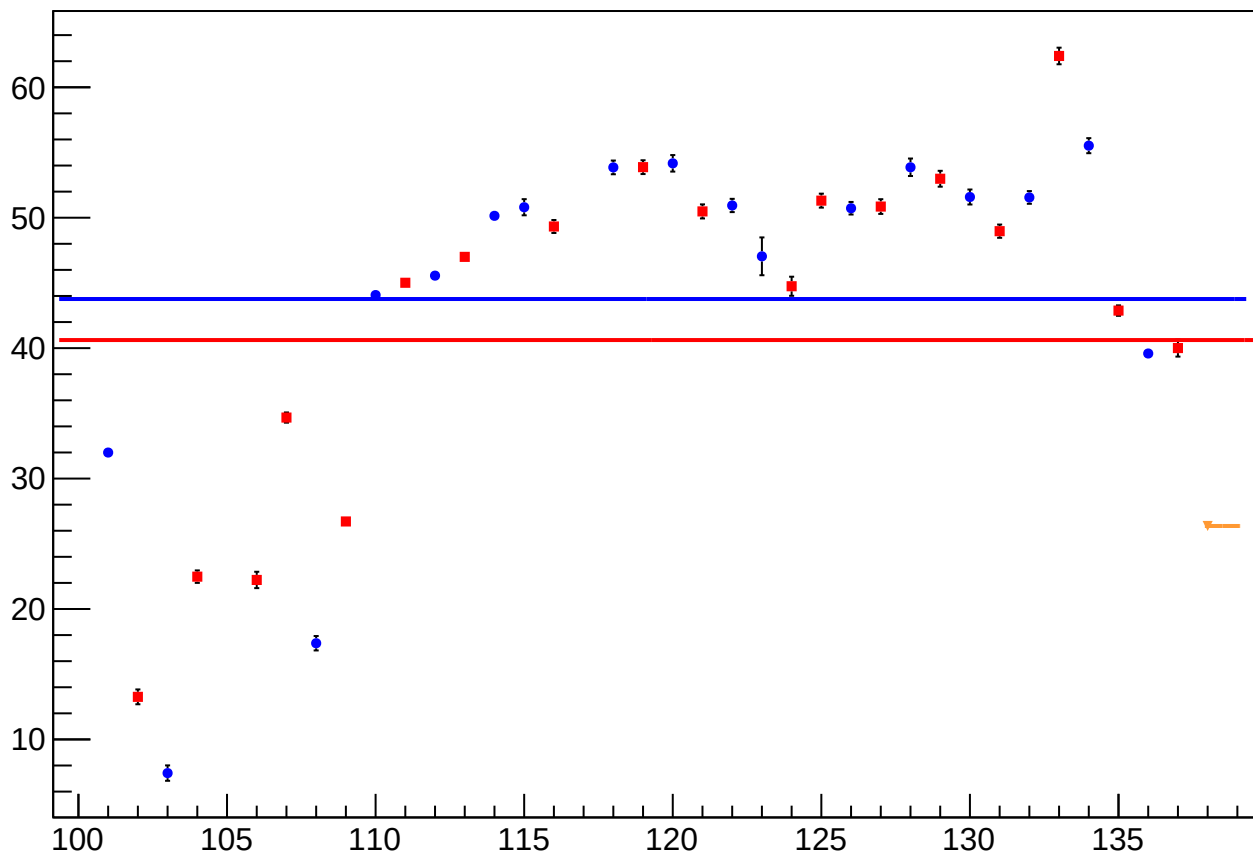
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-45.334 \pm 0.115$   $\chi^2/\text{NDF}$ : 19728.1/17

All:  $-46.899 \pm 0.079$   $\chi^2/\text{NDF}$ : 31165.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam8\_diff\_bpm4eY\_slope vs Slug



Right In: 43.767 $\pm$ 0.087  $\chi^2$ /NDF: 10633.5/16

Left Out: 26.364 $\pm$ 0.311  $\chi^2$ /NDF: 0.0/0

Right Out: 40.620 $\pm$ 0.080  $\chi^2$ /NDF: 16957.4/17

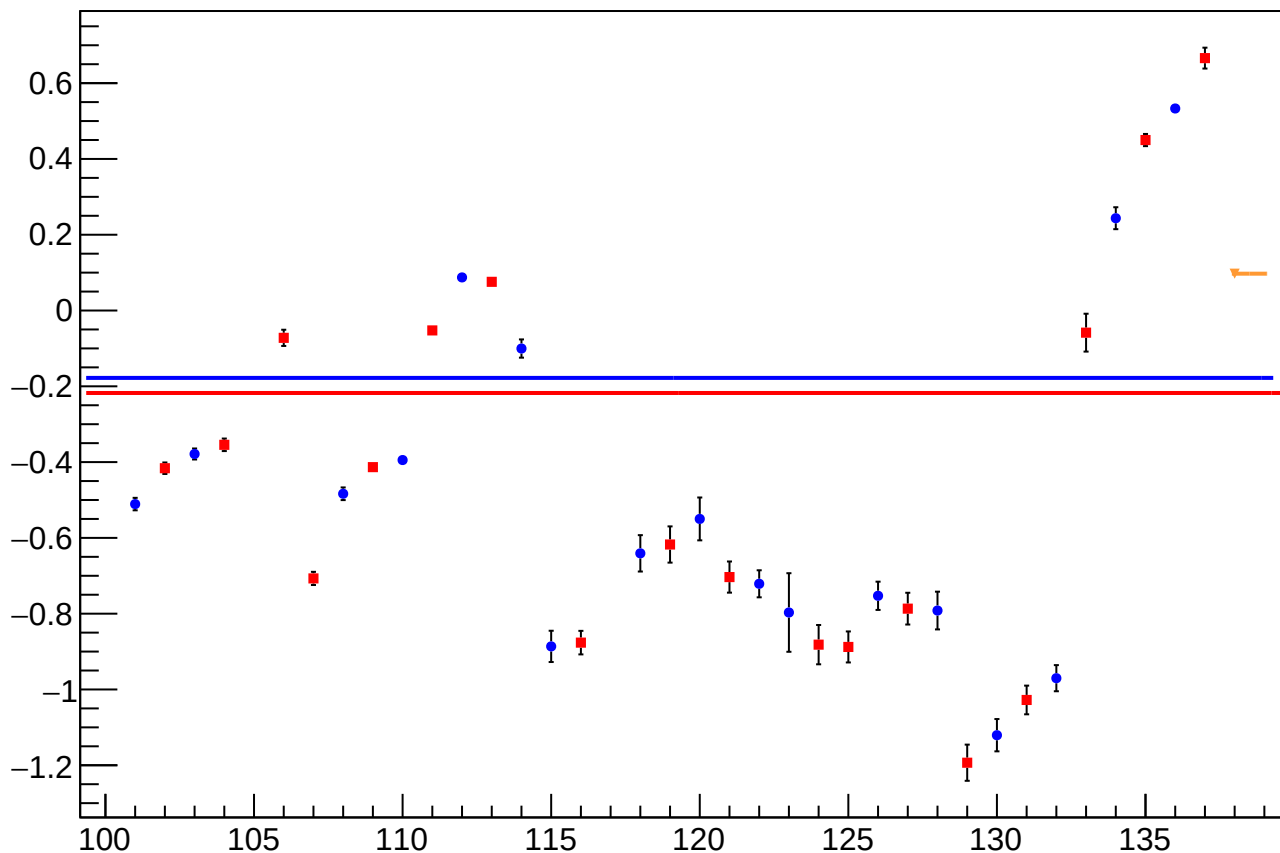
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 42.507 $\pm$ 0.084  $\chi^2$ /NDF: 13542.0/17

All: 41.525 $\pm$ 0.058  $\chi^2$ /NDF: 30764.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam8\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.178 \pm 0.005$   $\chi^2/\text{NDF}$ : 7364.4/16

Left Out:  $0.097 \pm 0.012$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.218 \pm 0.004$   $\chi^2/\text{NDF}$ : 7455.7/17

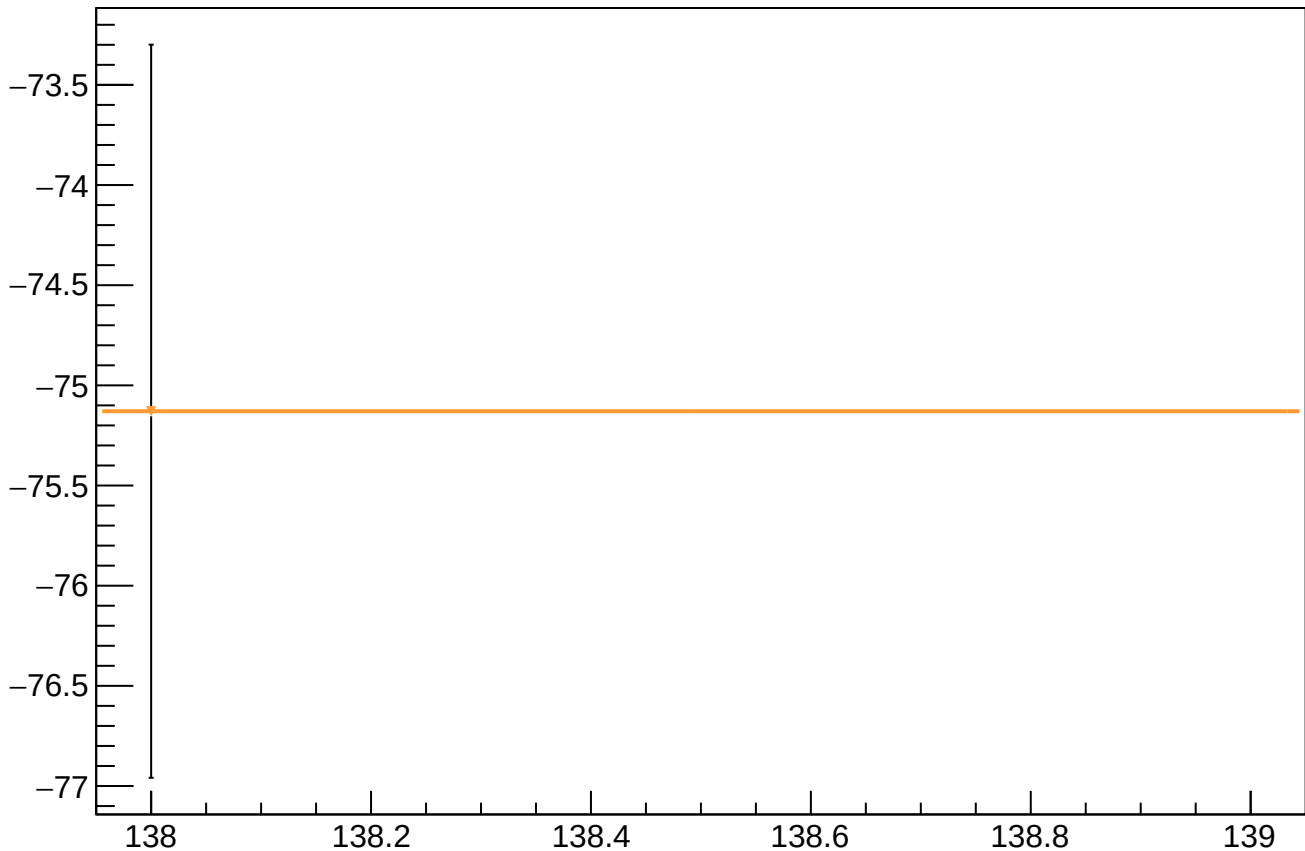
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.139 \pm 0.004$   $\chi^2/\text{NDF}$ : 7819.6/17

All:  $-0.180 \pm 0.003$   $\chi^2/\text{NDF}$ : 15434.8/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usl\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -75.129+/-1.830  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

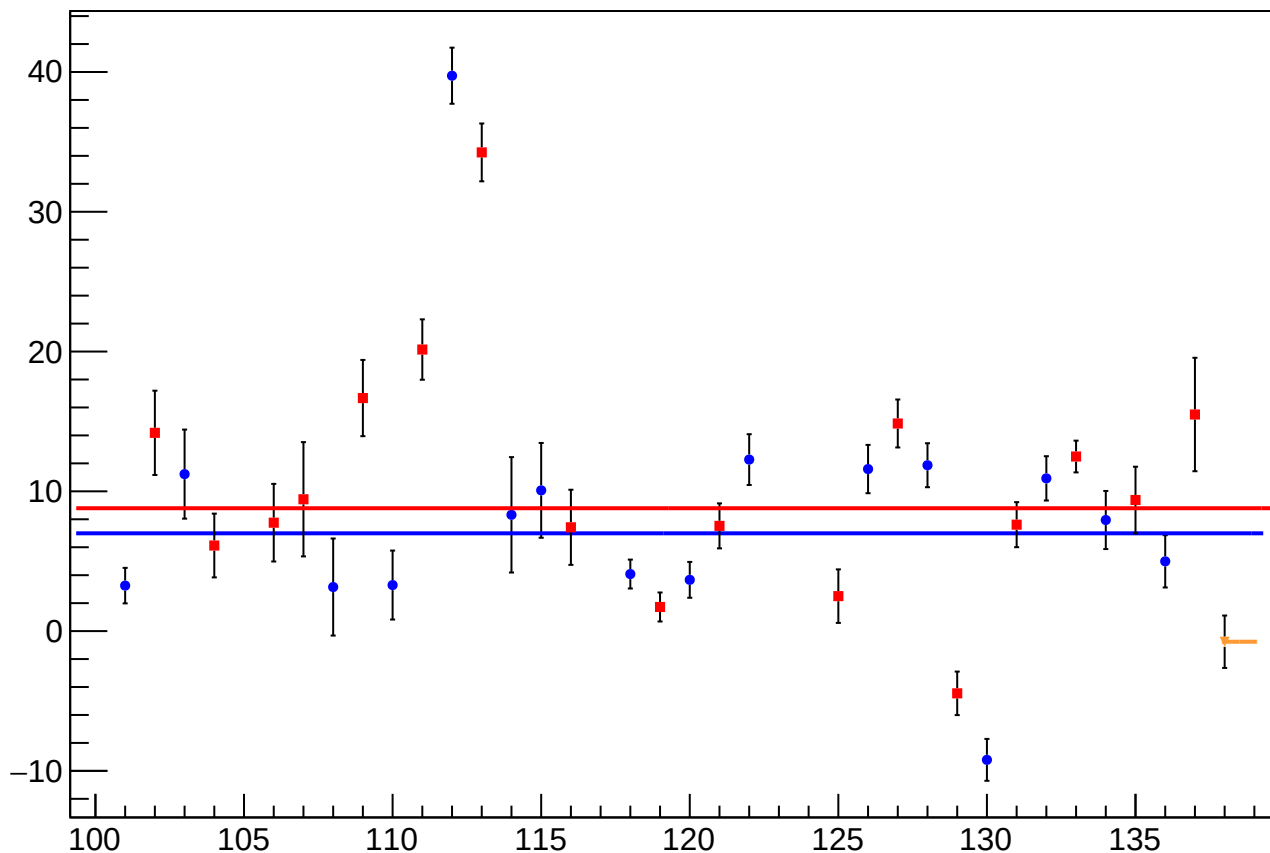
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -75.129+/-1.830  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_usl\_diff\_bpm4aY\_slope vs Slug



Right In: 6.996+/-0.434  $\chi^2/\text{NDF}$ : 445.3/15

Left Out: -0.761+/-1.875  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.790+/-0.449  $\chi^2/\text{NDF}$ : 348.8/16

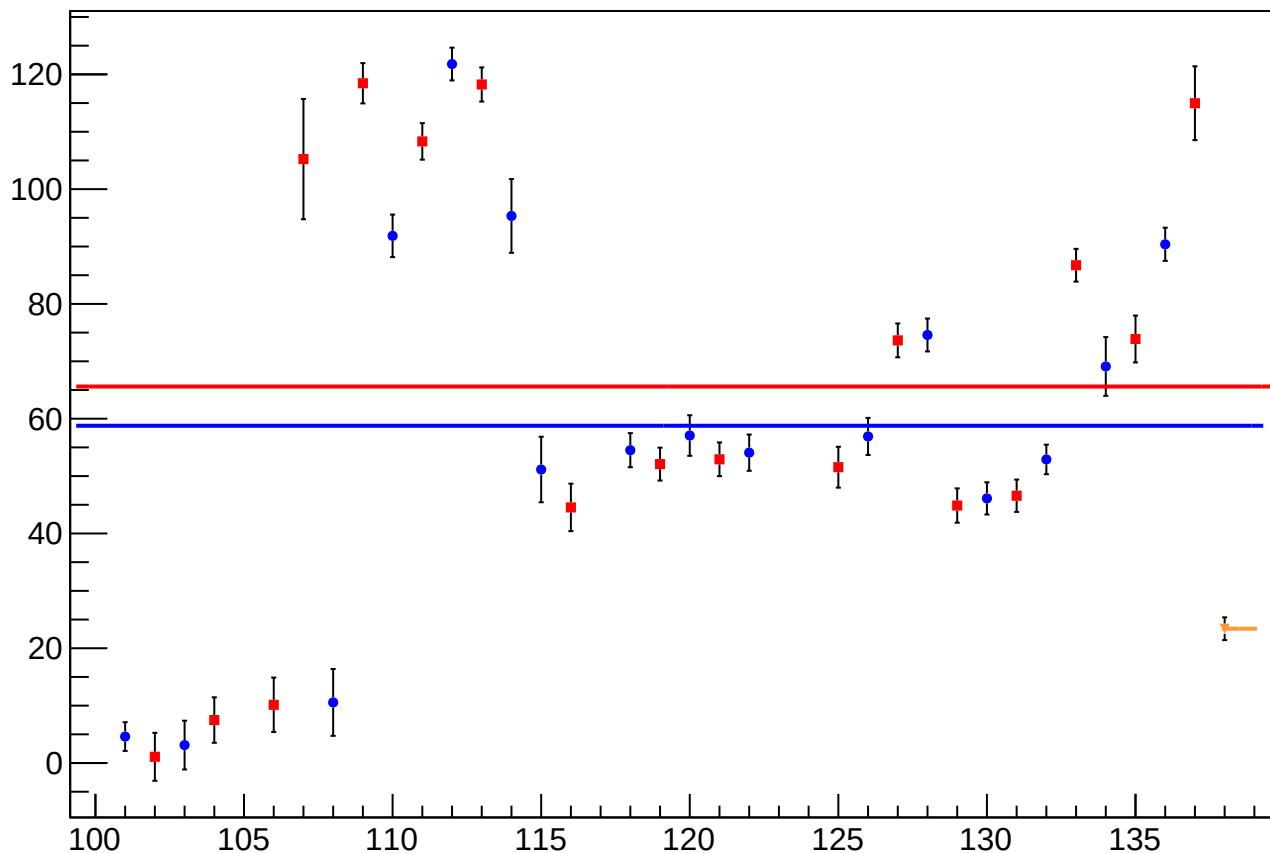
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 6.601+/-0.423  $\chi^2/\text{NDF}$ : 461.6/16

All: 7.629+/-0.308  $\chi^2/\text{NDF}$ : 823.0/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usl\_diff\_bpm4eX\_slope vs Slug



Right In: 58.770 $\pm$ 0.833  $\chi^2$ /NDF: 1493.3/15

Left Out: 23.404 $\pm$ 1.984  $\chi^2$ /NDF: 0.0/0

Right Out: 65.606 $\pm$ 0.845  $\chi^2$ /NDF: 1625.3/16

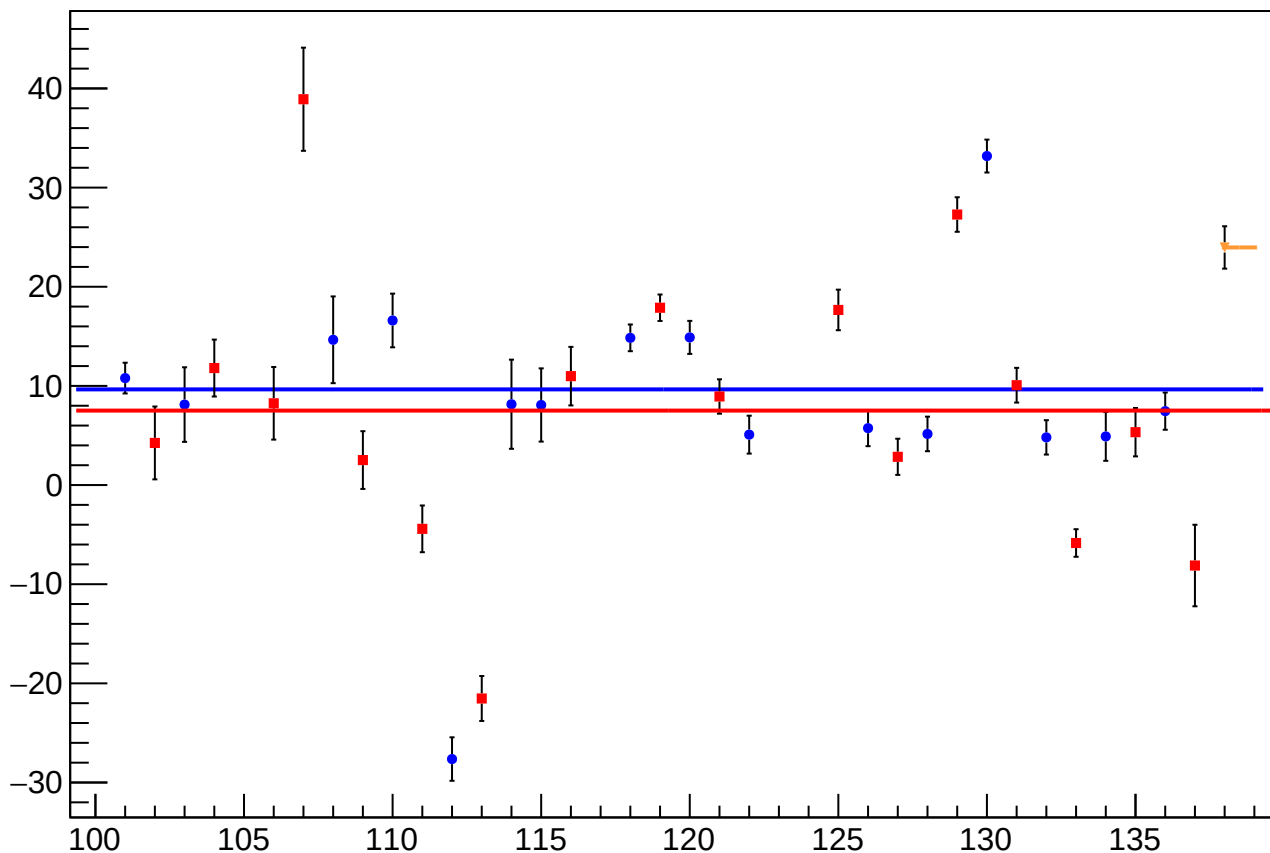
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 53.471 $\pm$ 0.768  $\chi^2$ /NDF: 1763.4/16

All: 58.963 $\pm$ 0.568  $\chi^2$ /NDF: 3501.8/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug



Right In: 9.648 $\pm$ 0.502  $\chi^2$ /NDF: 553.6/15

Left Out: 23.964 $\pm$ 2.137  $\chi^2$ /NDF:0.0/0

Right Out: 7.511 $\pm$ 0.516  $\chi^2$ /NDF: 564.3/16

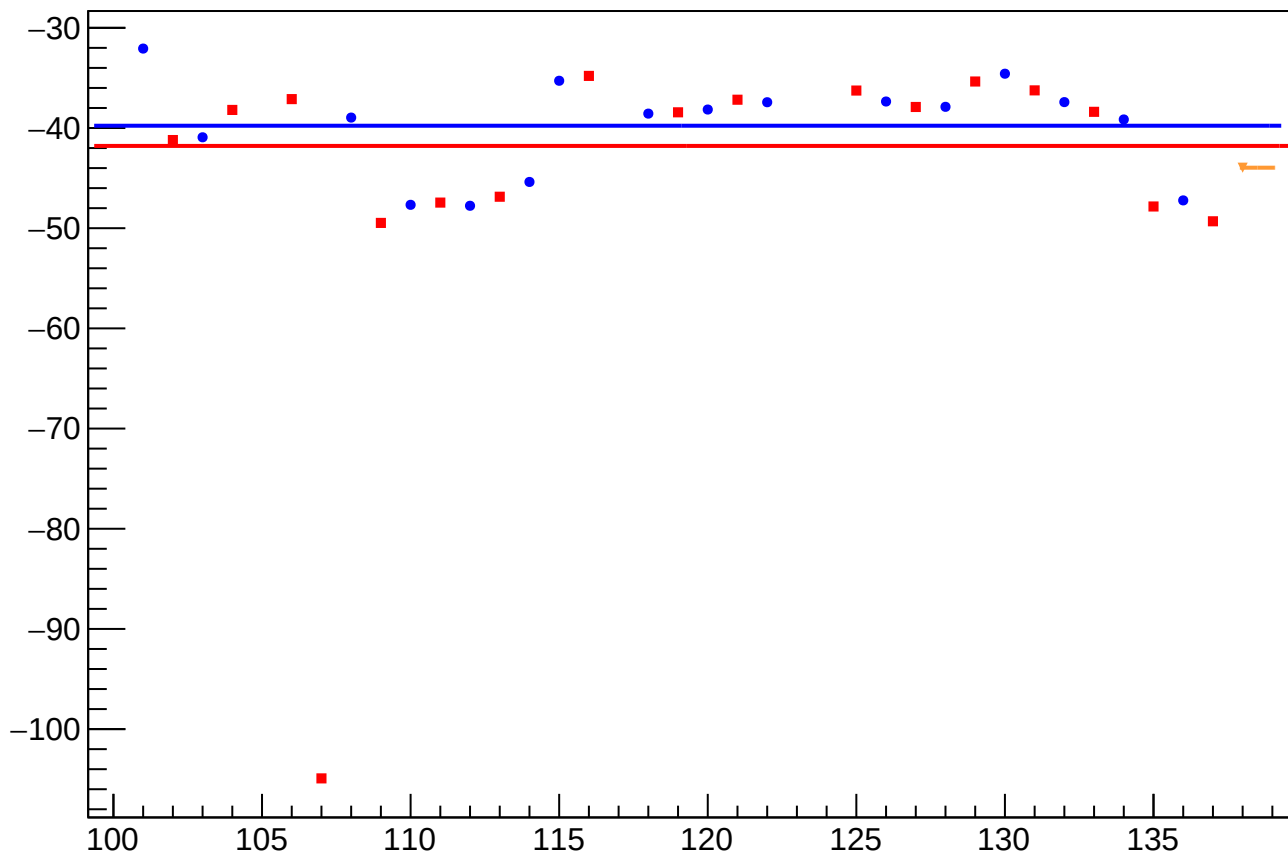
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 10.397 $\pm$ 0.489  $\chi^2$ /NDF: 596.1/16

All: 9.033 $\pm$ 0.355  $\chi^2$ /NDF: 1176.8/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usl\_diff\_bpm12X\_slope vs Slug



Right In:  $-39.771 \pm 0.031$   $\chi^2/\text{NDF}$ : 26176.5/15

Left Out:  $-43.960 \pm 0.078$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-41.787 \pm 0.031$   $\chi^2/\text{NDF}$ : 93008.7/16

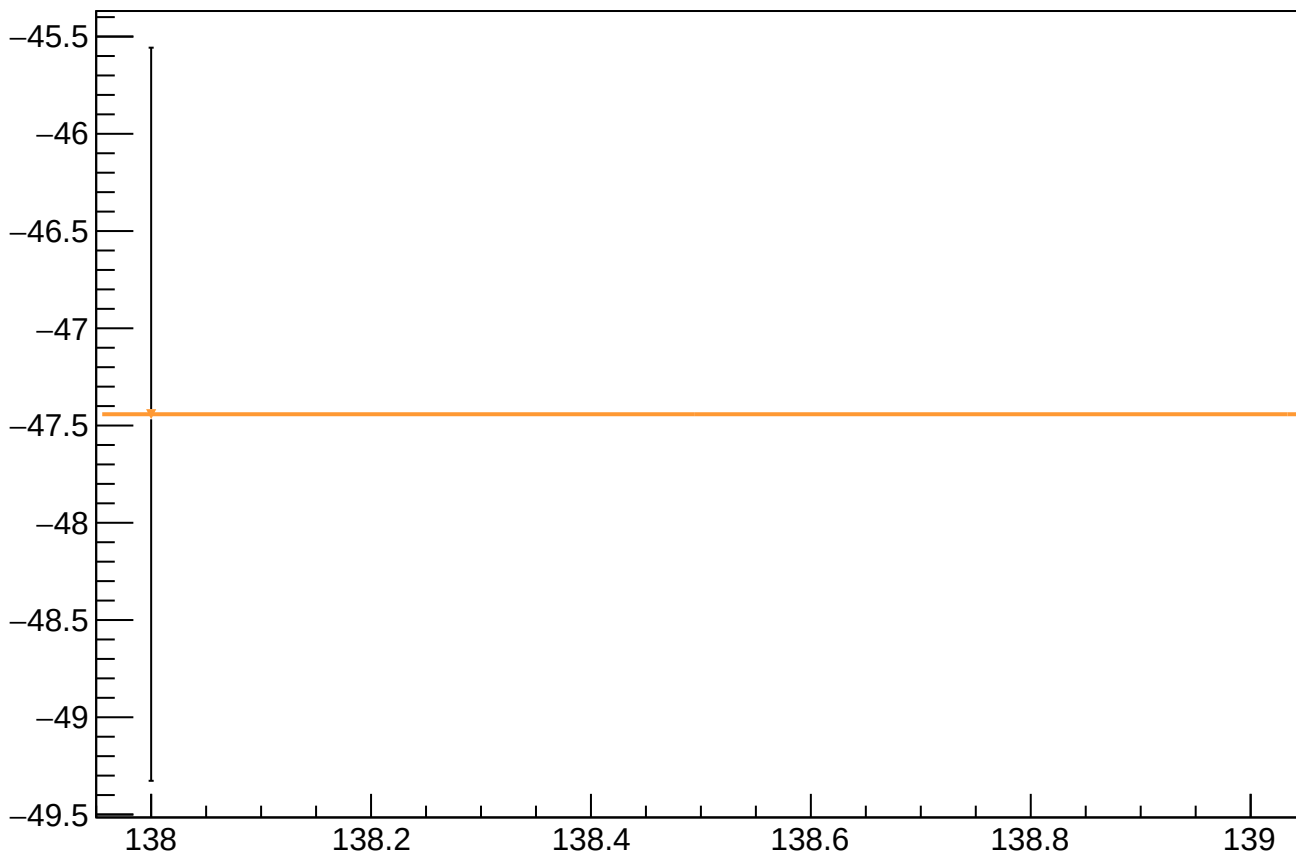
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-40.345 \pm 0.029$   $\chi^2/\text{NDF}$ : 28661.6/16

All:  $-41.006 \pm 0.021$   $\chi^2/\text{NDF}$ : 122811.7/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usr\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -47.442+/-1.885  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

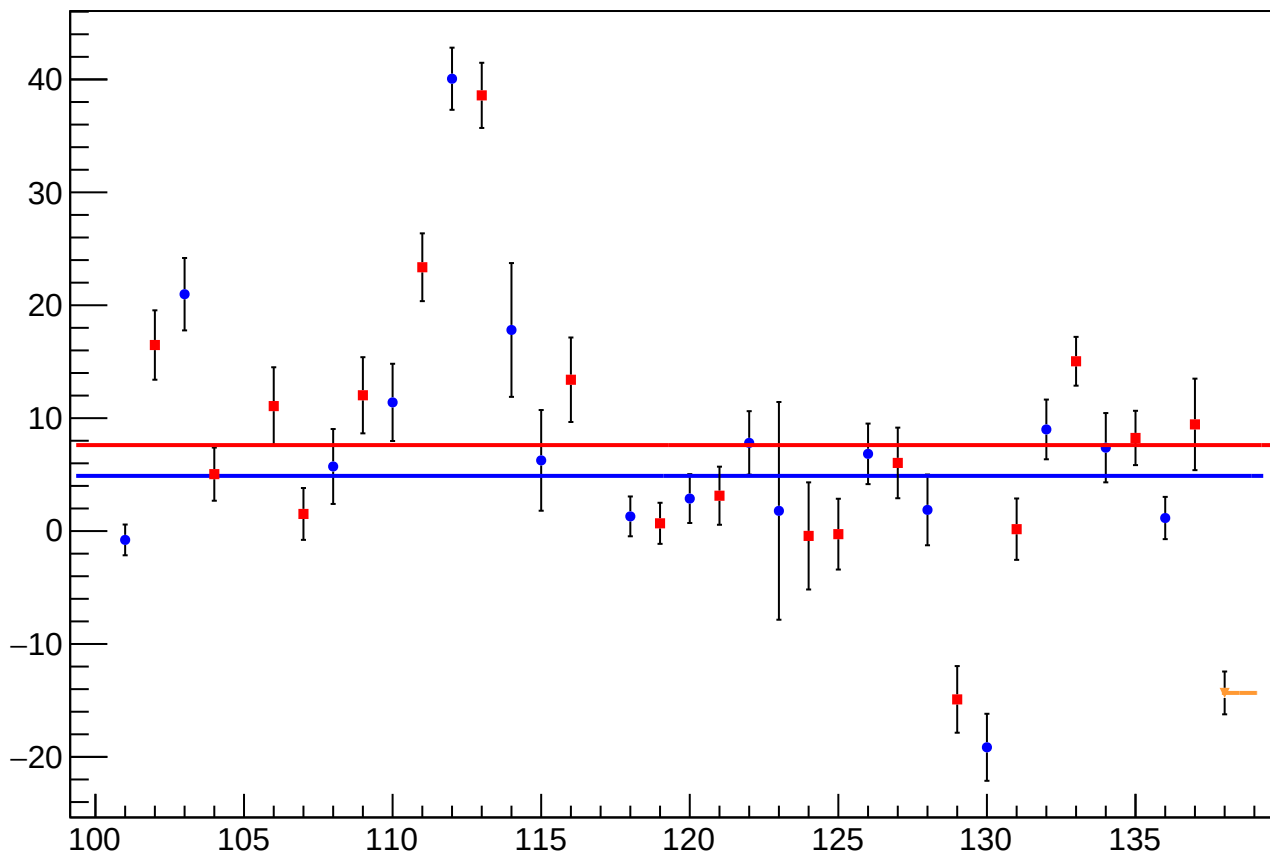
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -47.442+/-1.885  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug



Right In:  $4.888 \pm 0.622$   $\chi^2/\text{NDF}$ : 294.7/16

Left Out:  $-14.334 \pm 1.896$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $7.615 \pm 0.652$   $\chi^2/\text{NDF}$ : 269.2/17

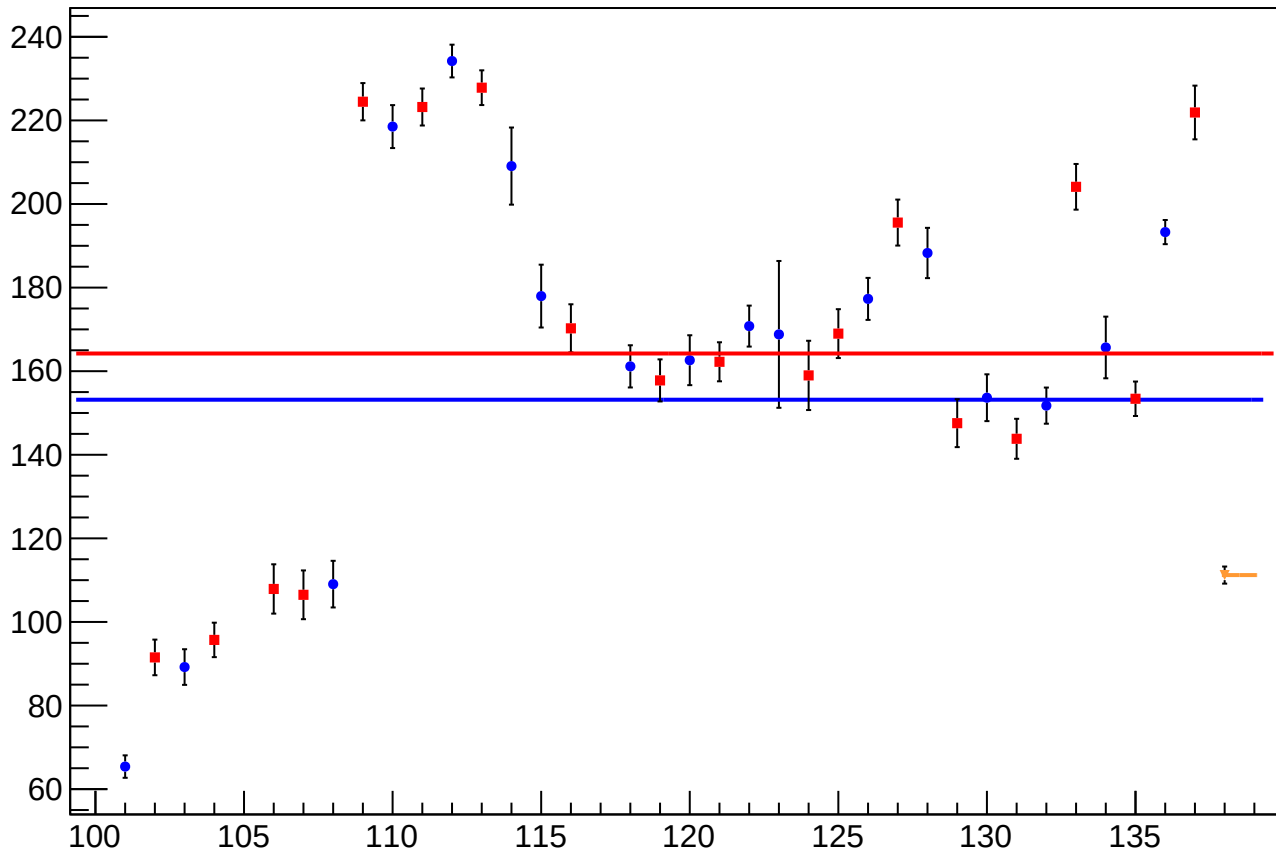
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $3.021 \pm 0.591$   $\chi^2/\text{NDF}$ : 387.5/17

All:  $5.092 \pm 0.438$   $\chi^2/\text{NDF}$ : 683.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usr\_diff\_bpm4eX\_slope vs Slug



Right In: 153.174 $\pm$ 1.146  $\chi^2$ /NDF: 2264.3/16

Left Out: 111.215 $\pm$ 2.043  $\chi^2$ /NDF: 0.0/0

Right Out: 164.232 $\pm$ 1.183  $\chi^2$ /NDF: 1554.8/17

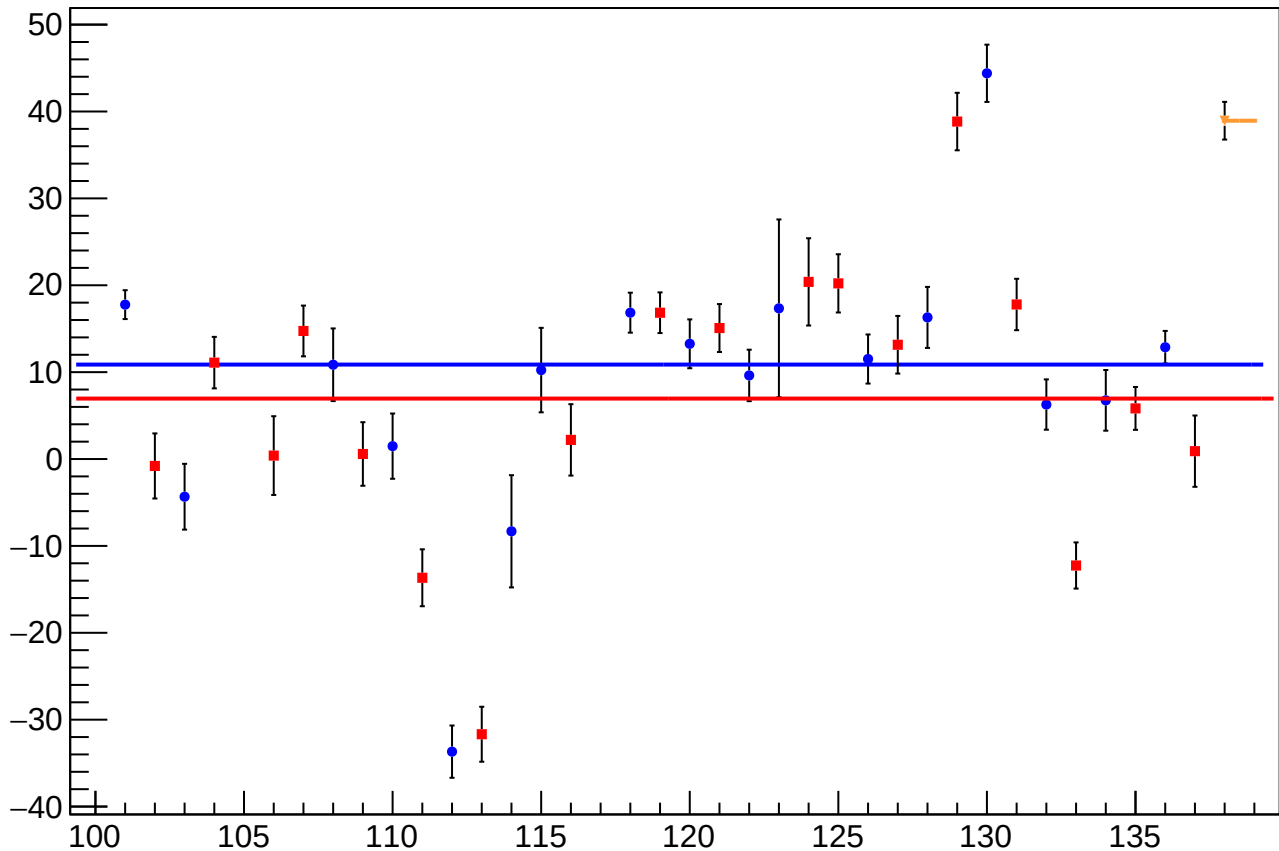
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 143.129 $\pm$ 1.000  $\chi^2$ /NDF: 2584.9/17

All: 151.920 $\pm$ 0.764  $\chi^2$ /NDF: 4325.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug



Right In: 10.872 $\pm$ 0.714  $\chi^2$ /NDF: 386.7/16

Left Out: 38.939 $\pm$ 2.171  $\chi^2$ /NDF: 0.0/0

Right Out: 6.958 $\pm$ 0.749  $\chi^2$ /NDF: 422.3/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

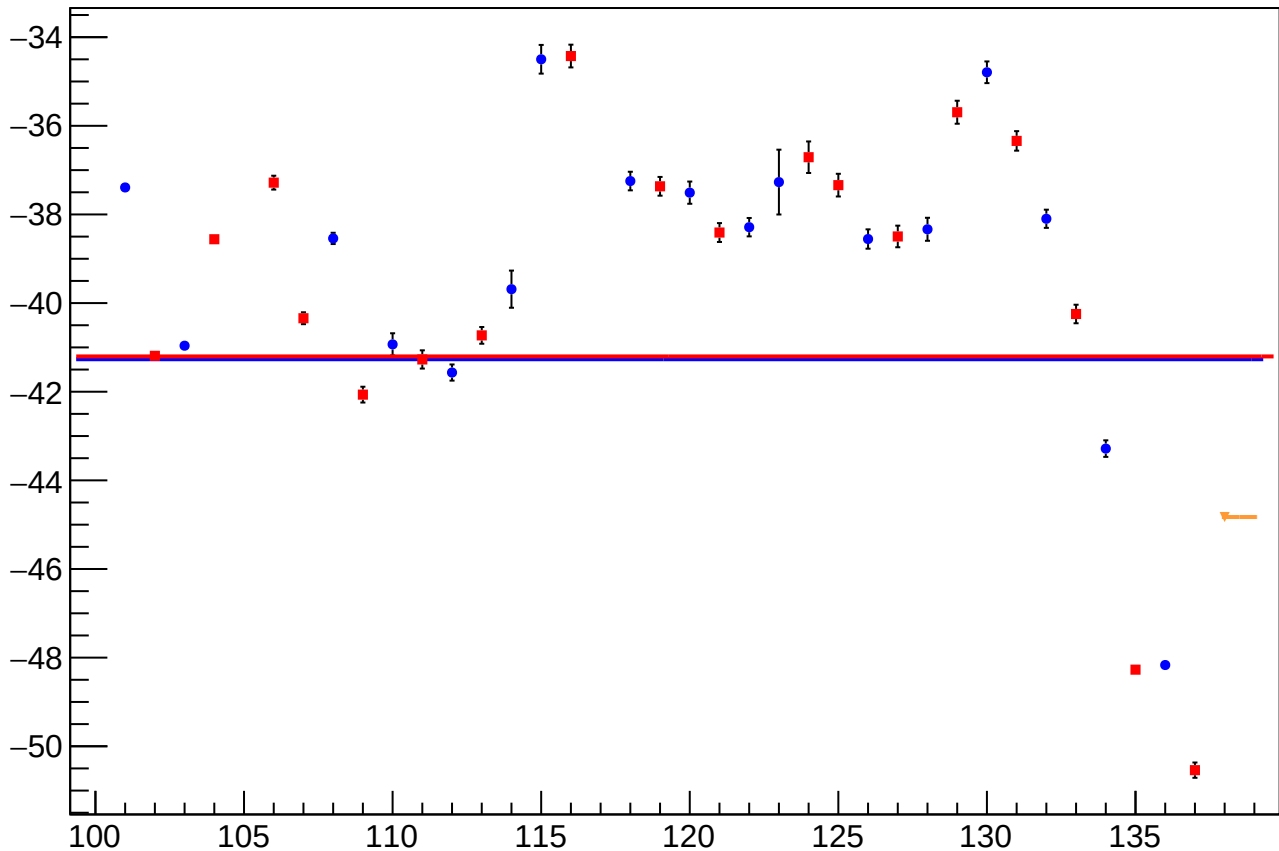
+ sign 13.615 $\pm$ 0.679  $\chi^2$ /NDF: 537.5/17

All: 10.614 $\pm$ 0.503  $\chi^2$ /NDF: 1003.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_usr\_diff\_bpm12X\_slope vs Slug



Right In:  $-41.267 \pm 0.039$   $\chi^2/\text{NDF}$ : 12581.8/16

Left Out:  $-44.827 \pm 0.081$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-41.204 \pm 0.039$   $\chi^2/\text{NDF}$ : 12008.6/17

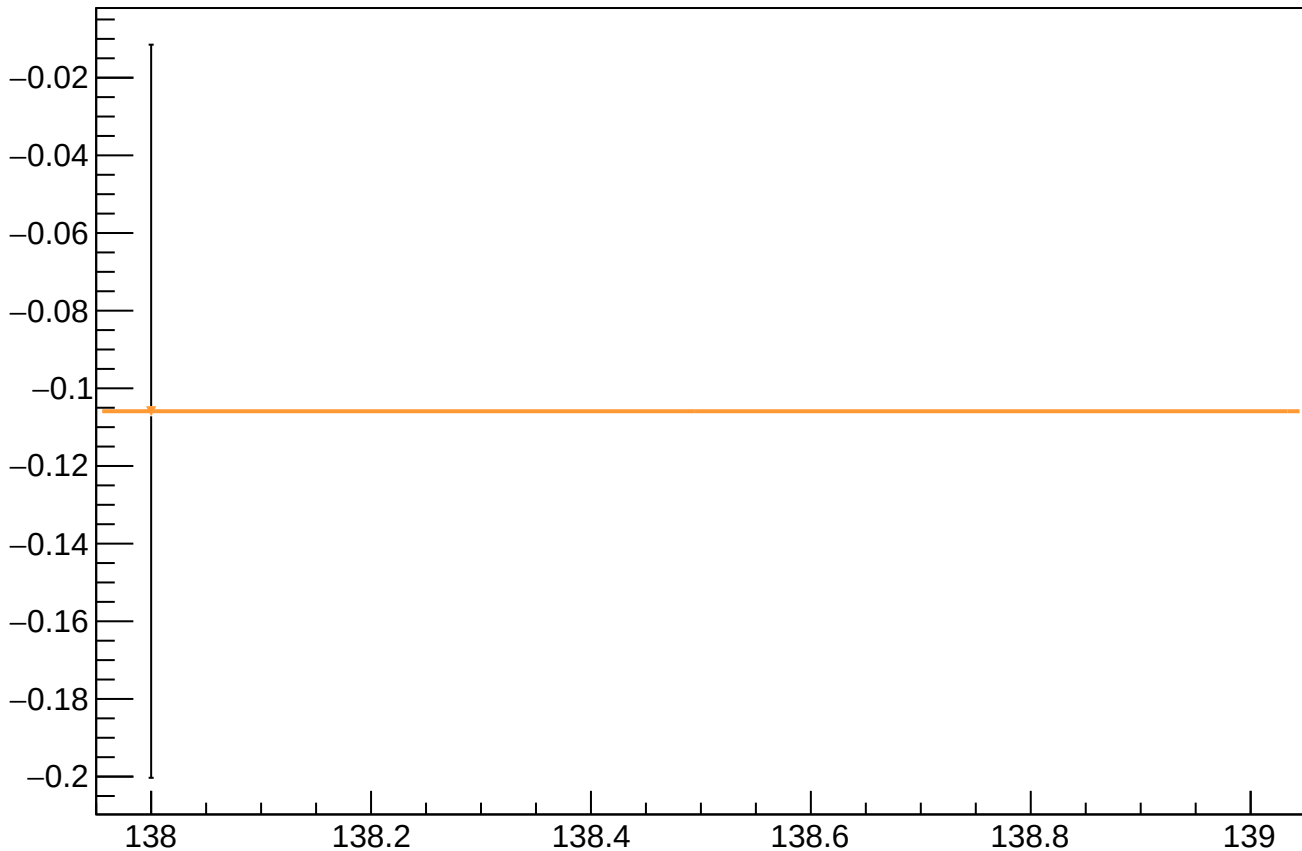
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-41.927 \pm 0.035$   $\chi^2/\text{NDF}$ : 14165.4/17

All:  $-41.605 \pm 0.026$   $\chi^2/\text{NDF}$ : 26366.6/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsl\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.106+/-0.094  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

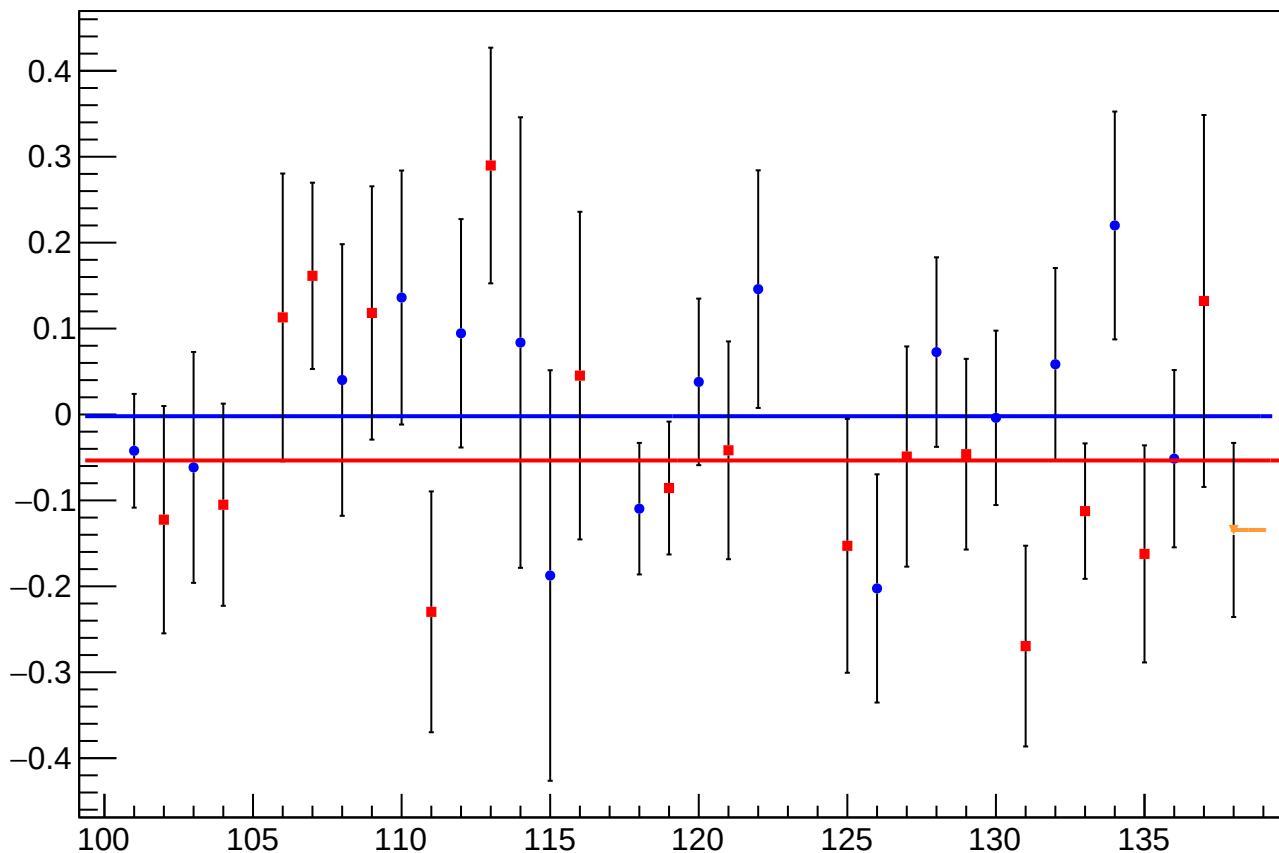
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.106+/-0.094  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsl\_diff\_bpm4aY\_slope vs Slug



Right In:  $-0.002 \pm 0.028$   $\chi^2/\text{NDF}$ : 12.1/15

Left Out:  $-0.134 \pm 0.101$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.054 \pm 0.029$   $\chi^2/\text{NDF}$ : 20.9/16

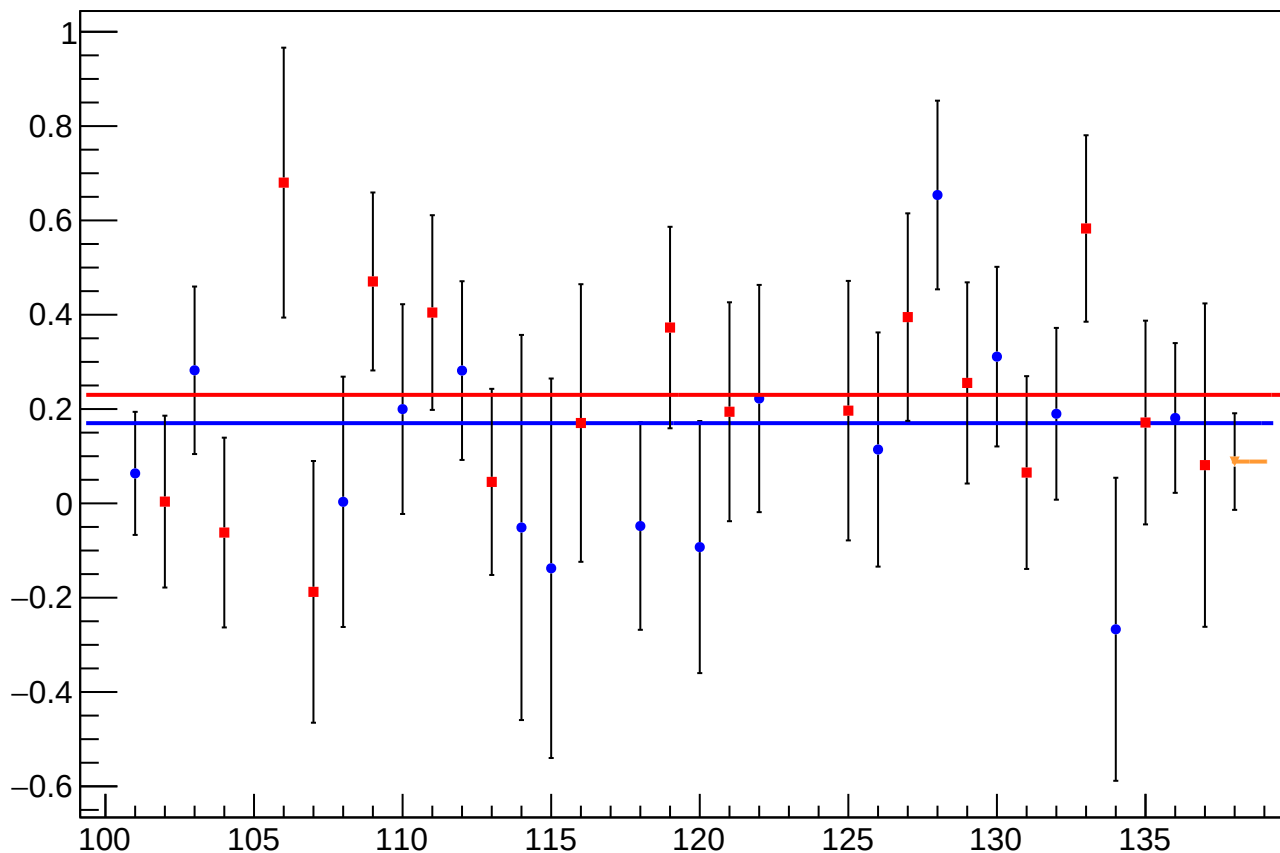
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.012 \pm 0.027$   $\chi^2/\text{NDF}$ : 13.7/16

All:  $-0.031 \pm 0.020$   $\chi^2/\text{NDF}$ : 35.7/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsl\_diff\_bpm4eX\_slope vs Slug



Right In: 0.170 $\pm$ 0.052  $\chi^2$ /NDF: 13.0/15

Left Out: 0.089 $\pm$ 0.102  $\chi^2$ /NDF: 0.0/0

Right Out: 0.230 $\pm$ 0.054  $\chi^2$ /NDF: 16.8/16

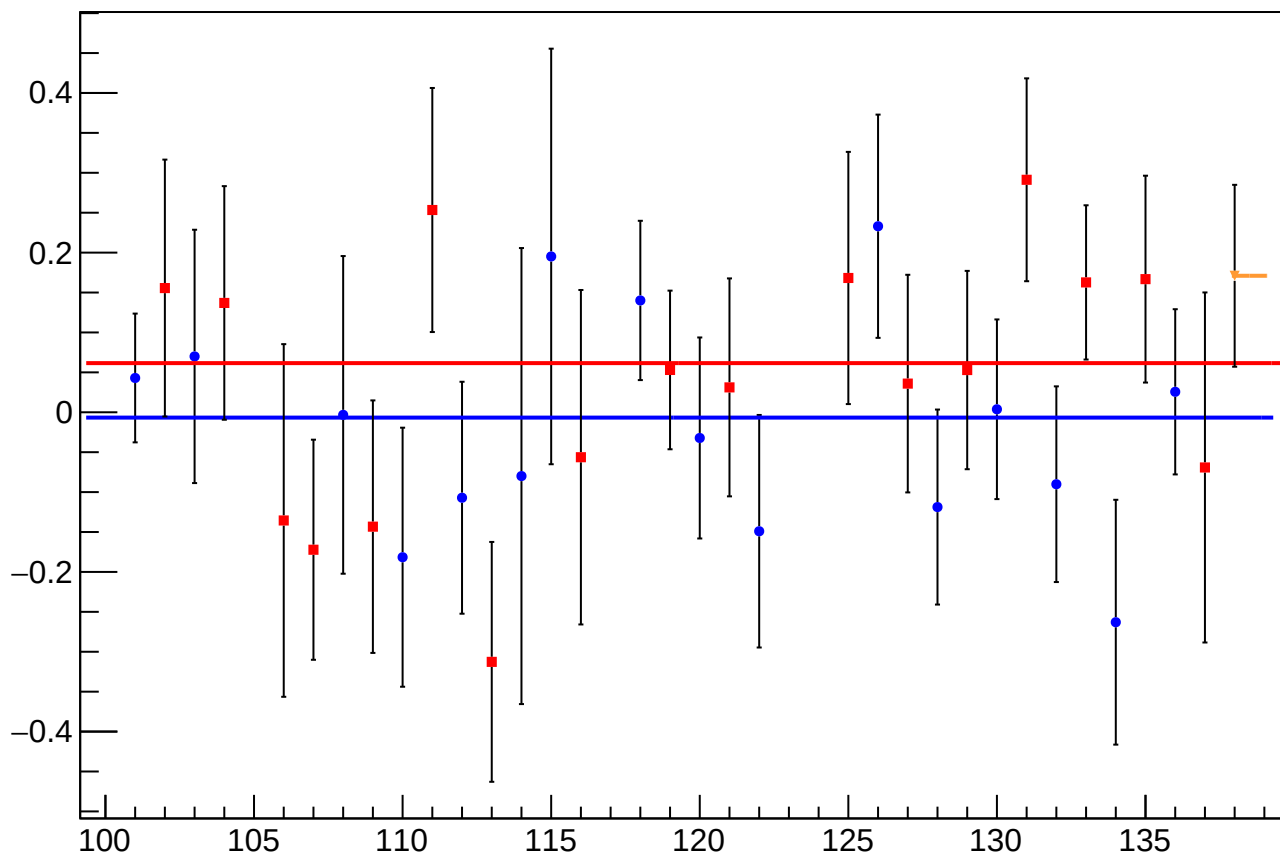
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.153 $\pm$ 0.047  $\chi^2$ /NDF: 13.5/16

All: 0.186 $\pm$ 0.035  $\chi^2$ /NDF: 31.5/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsl\_diff\_bpm4eY\_slope vs Slug



Right In:  $-0.007 \pm 0.033$   $\chi^2/\text{NDF}$ : 13.2/15

Left Out:  $0.171 \pm 0.114$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.062 \pm 0.034$   $\chi^2/\text{NDF}$ : 20.0/16

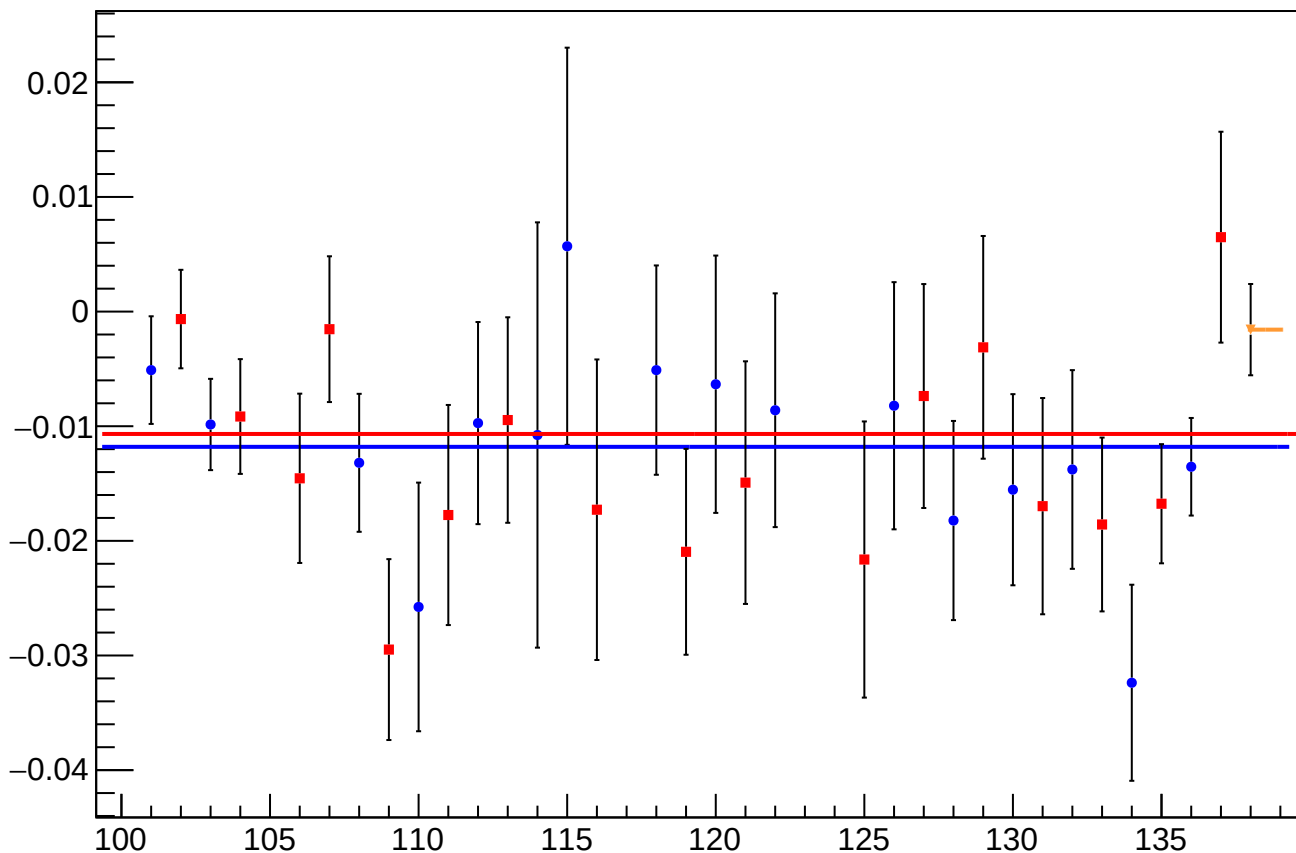
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.007 \pm 0.031$   $\chi^2/\text{NDF}$ : 15.5/16

All:  $0.032 \pm 0.023$   $\chi^2/\text{NDF}$ : 36.9/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsl\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.012 \pm 0.002$   $\chi^2/\text{NDF}$ : 12.8/15

Left Out:  $-0.002 \pm 0.004$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.011 \pm 0.002$   $\chi^2/\text{NDF}$ : 23.8/16

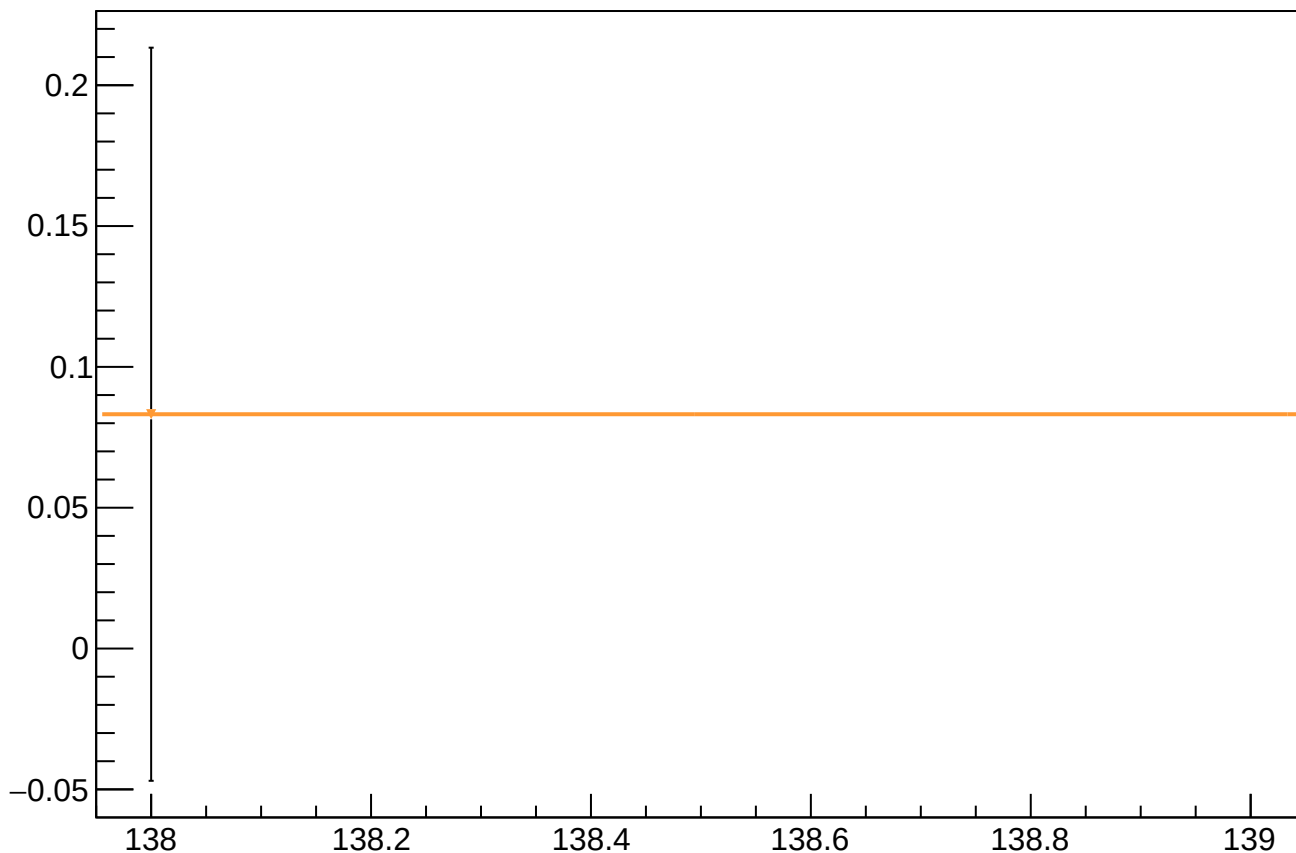
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.010 \pm 0.002$   $\chi^2/\text{NDF}$ : 18.3/16

All:  $-0.010 \pm 0.001$   $\chi^2/\text{NDF}$ : 42.1/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsr\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.083 $\pm$ 0.130  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

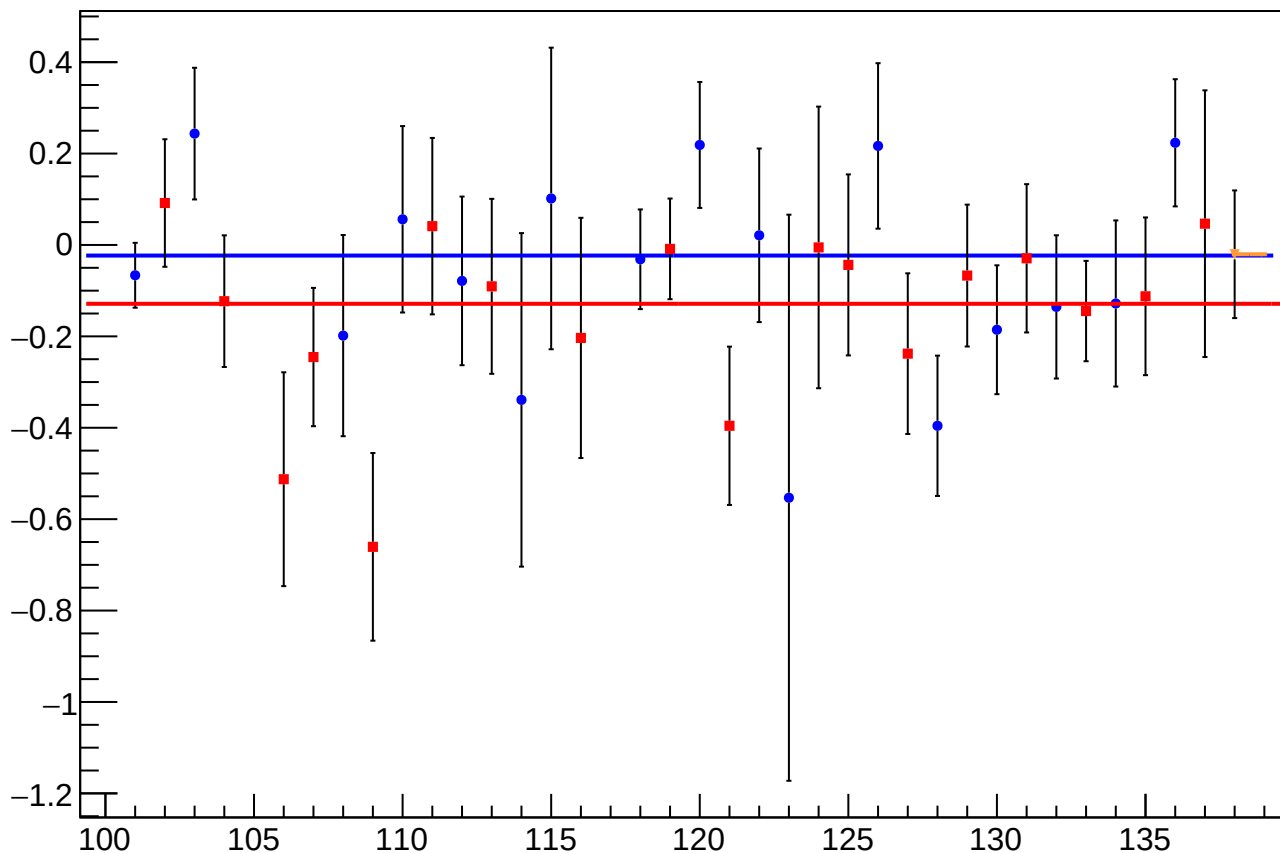
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.083 $\pm$ 0.130  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsr\_diff\_bpm4aY\_slope vs Slug



Right In:  $-0.023 \pm 0.037$   $\chi^2/\text{NDF}: 22.4/16$

Left Out:  $-0.020 \pm 0.140$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.129 \pm 0.039$   $\chi^2/\text{NDF}: 18.6/17$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

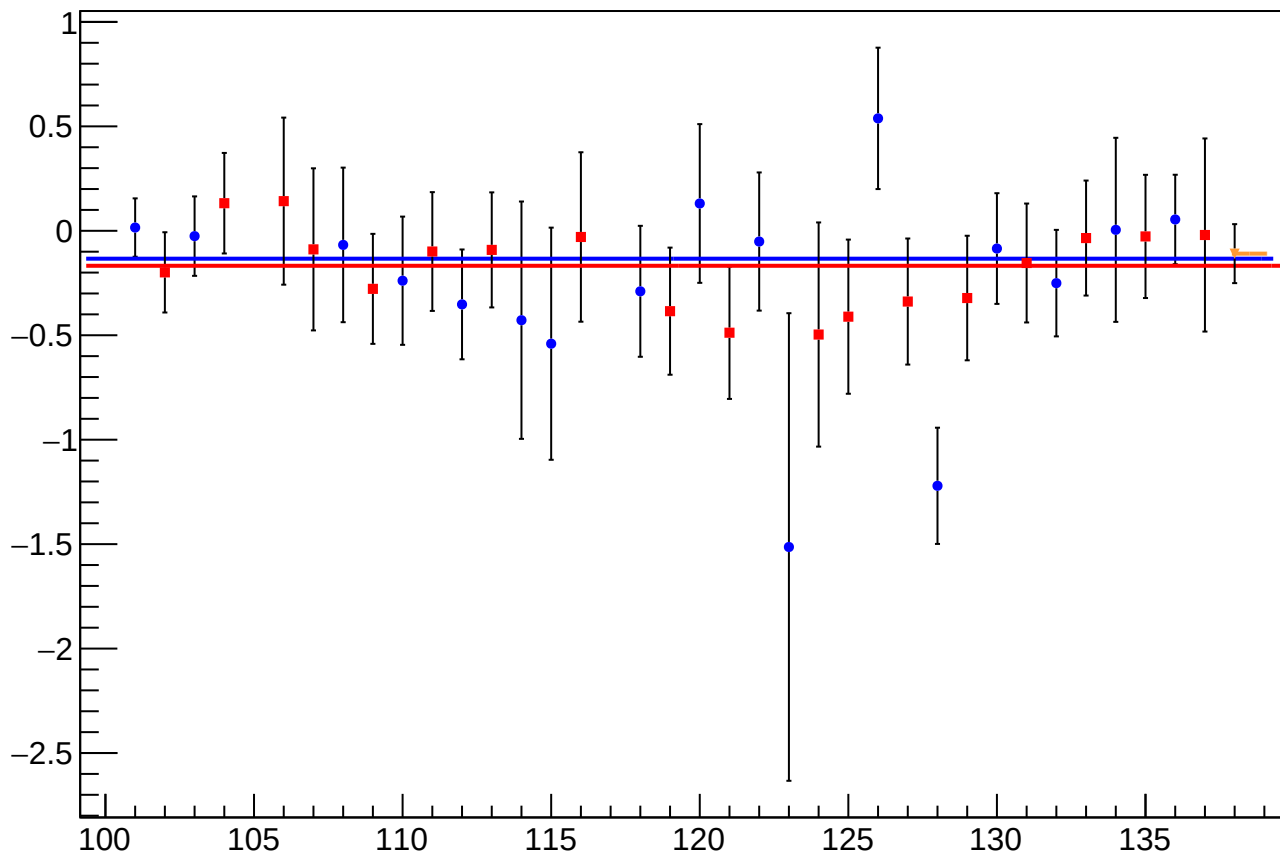
+ sign  $-0.023 \pm 0.035$   $\chi^2/\text{NDF}: 22.4/17$

All:  $-0.070 \pm 0.026$   $\chi^2/\text{NDF}: 45.0/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_dsr\_diff\_bpm4eX\_slope vs Slug



Right In:  $-0.133 \pm 0.067$   $\chi^2/\text{NDF}$ : 25.7/16

Left Out:  $-0.109 \pm 0.141$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.167 \pm 0.071$   $\chi^2/\text{NDF}$ : 6.1/17

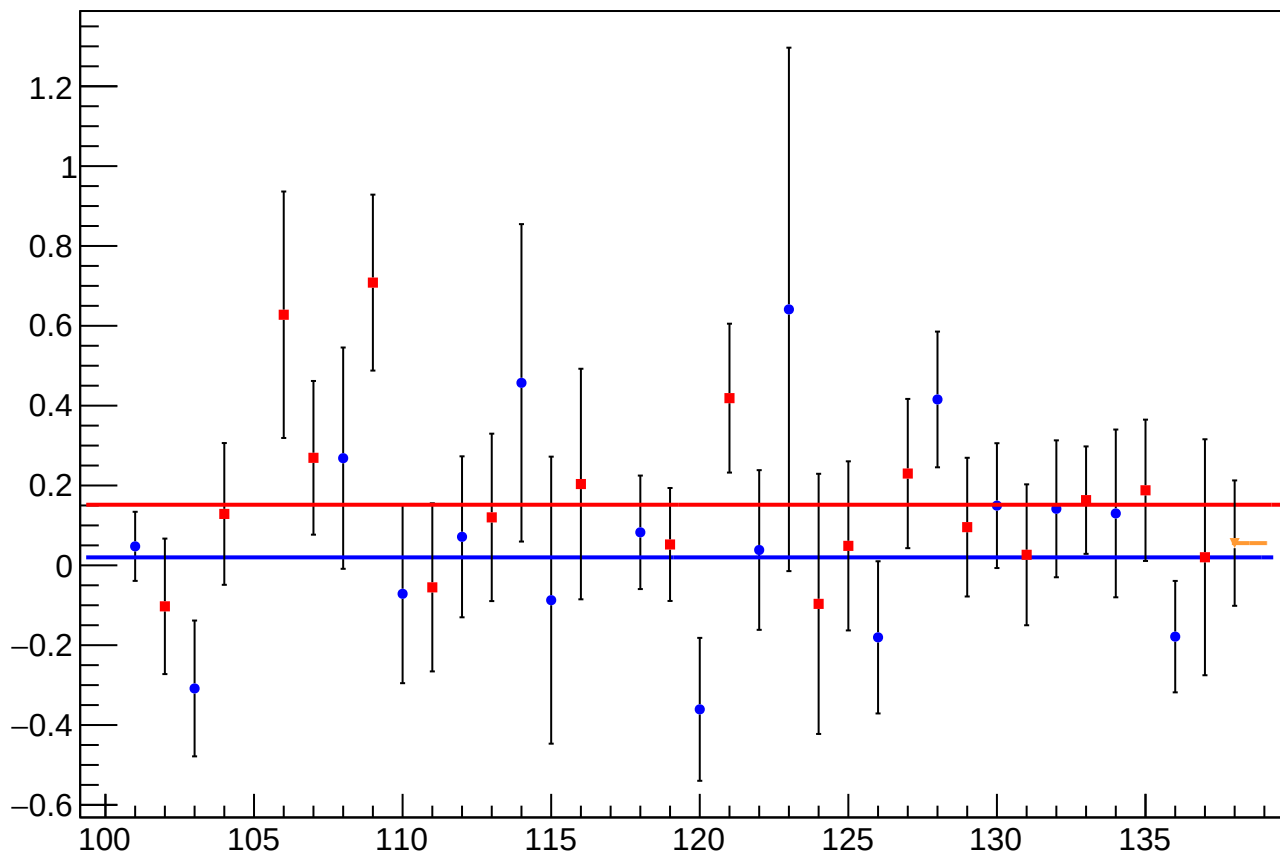
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.129 \pm 0.061$   $\chi^2/\text{NDF}$ : 25.8/17

All:  $-0.145 \pm 0.046$   $\chi^2/\text{NDF}$ : 32.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug



Right In: 0.020 $\pm$ 0.042  $\chi^2$ /NDF: 21.8/16

Left Out: 0.056 $\pm$ 0.157  $\chi^2$ /NDF: 0.0/0

Right Out: 0.152 $\pm$ 0.045  $\chi^2$ /NDF: 16.8/17

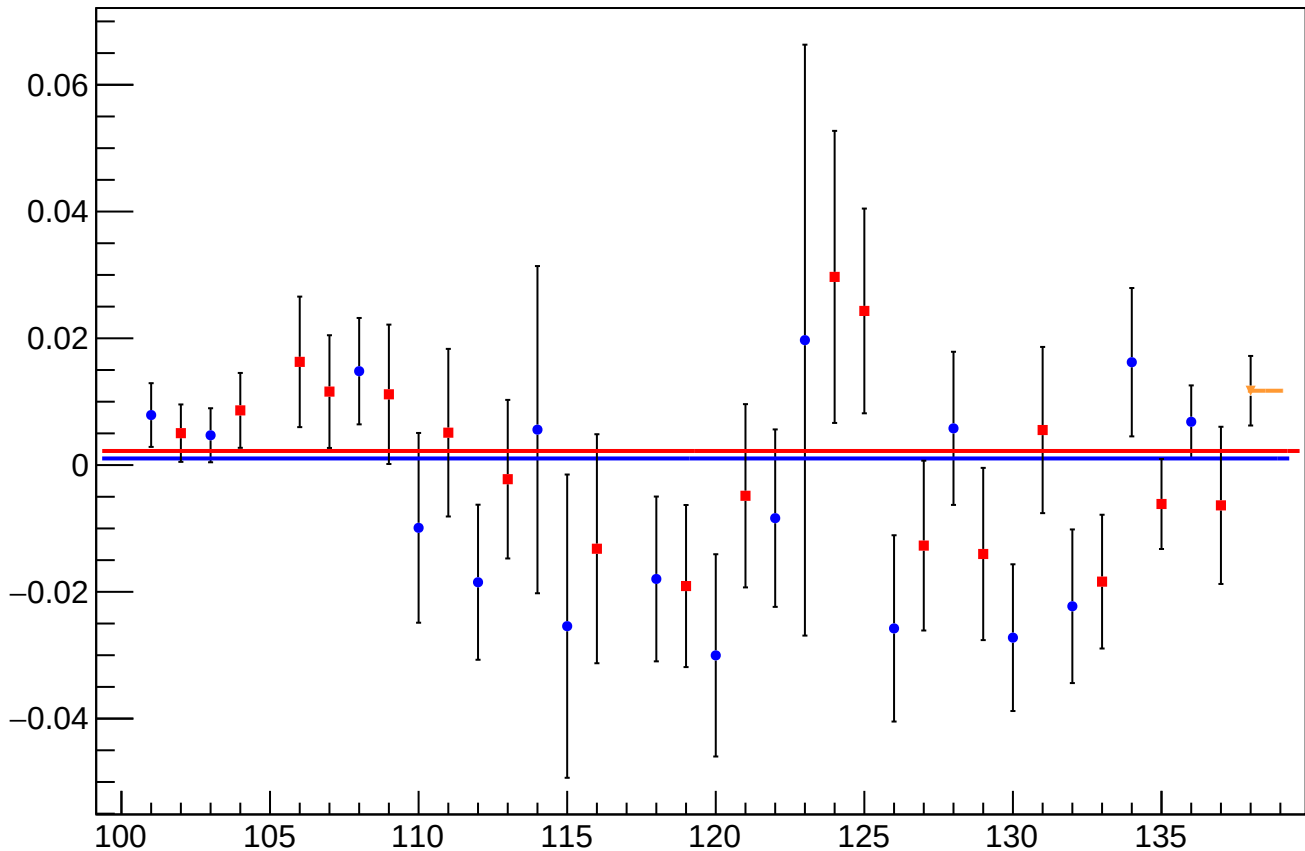
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.022 $\pm$ 0.041  $\chi^2$ /NDF: 21.8/17

All: 0.080 $\pm$ 0.030  $\chi^2$ /NDF: 43.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsr\_diff\_bpm12X\_slope vs Slug



Right In: 0.001 $\pm$ 0.002  $\chi^2$ /NDF: 32.0/16

Left Out: 0.012 $\pm$ 0.005  $\chi^2$ /NDF: 0.0/0

Right Out: 0.002 $\pm$ 0.002  $\chi^2$ /NDF: 20.8/17

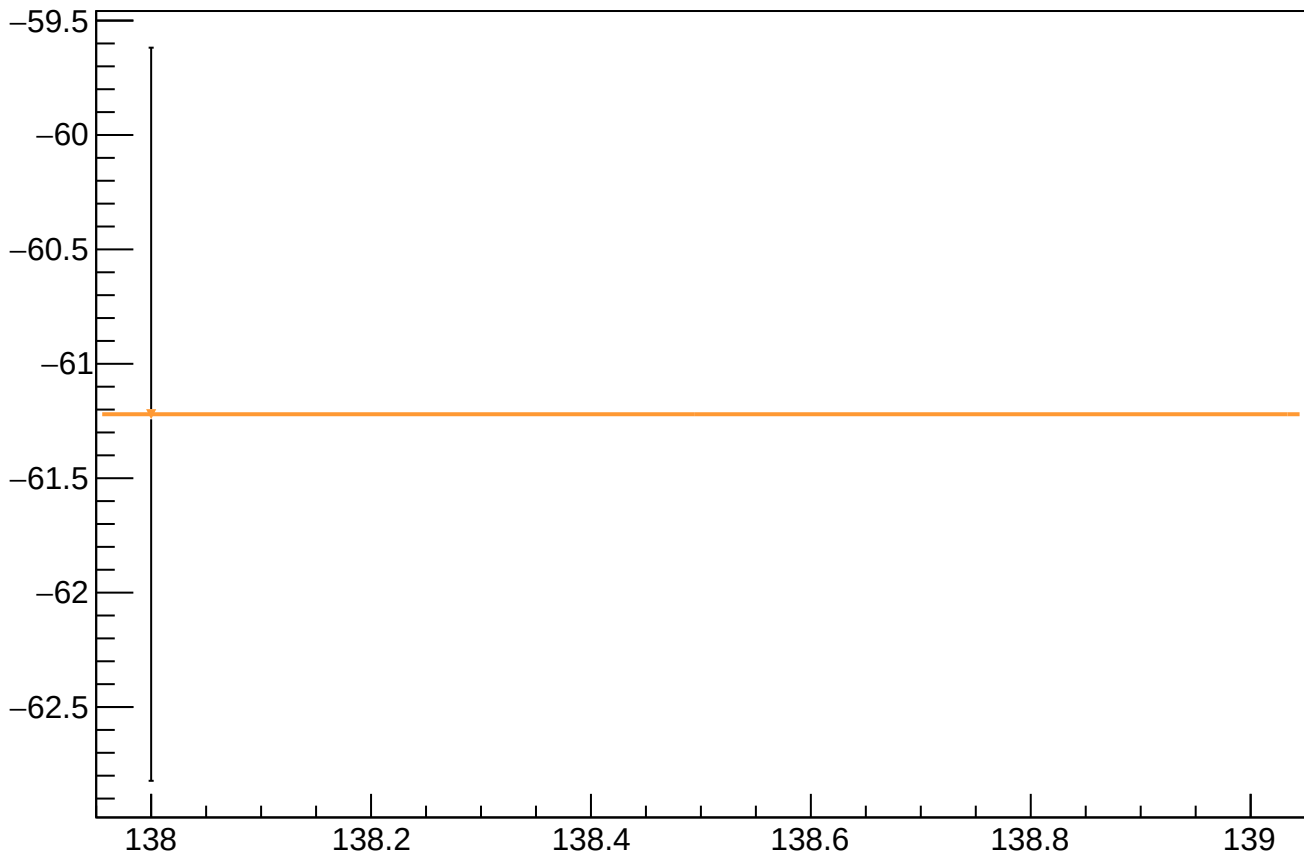
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.003 $\pm$ 0.002  $\chi^2$ /NDF: 35.3/17

All: 0.002 $\pm$ 0.002  $\chi^2$ /NDF: 56.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -61.220+/-1.602  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

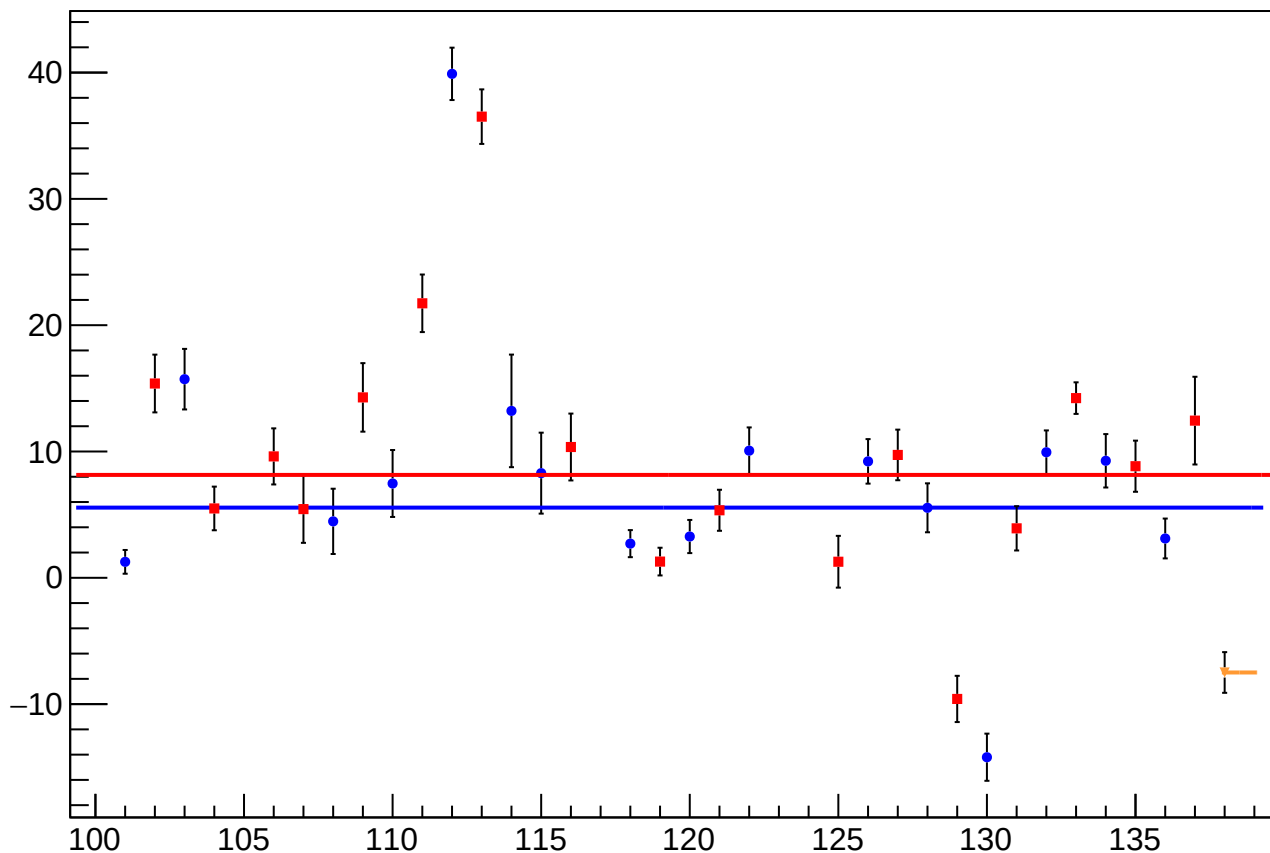
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -61.220+/-1.602  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 5.557 $\pm$ 0.424  $\chi^2$ /NDF: 462.0/15

Left Out: -7.495 $\pm$ 1.611  $\chi^2$ /NDF: 0.0/0

Right Out: 8.146 $\pm$ 0.454  $\chi^2$ /NDF: 406.8/16

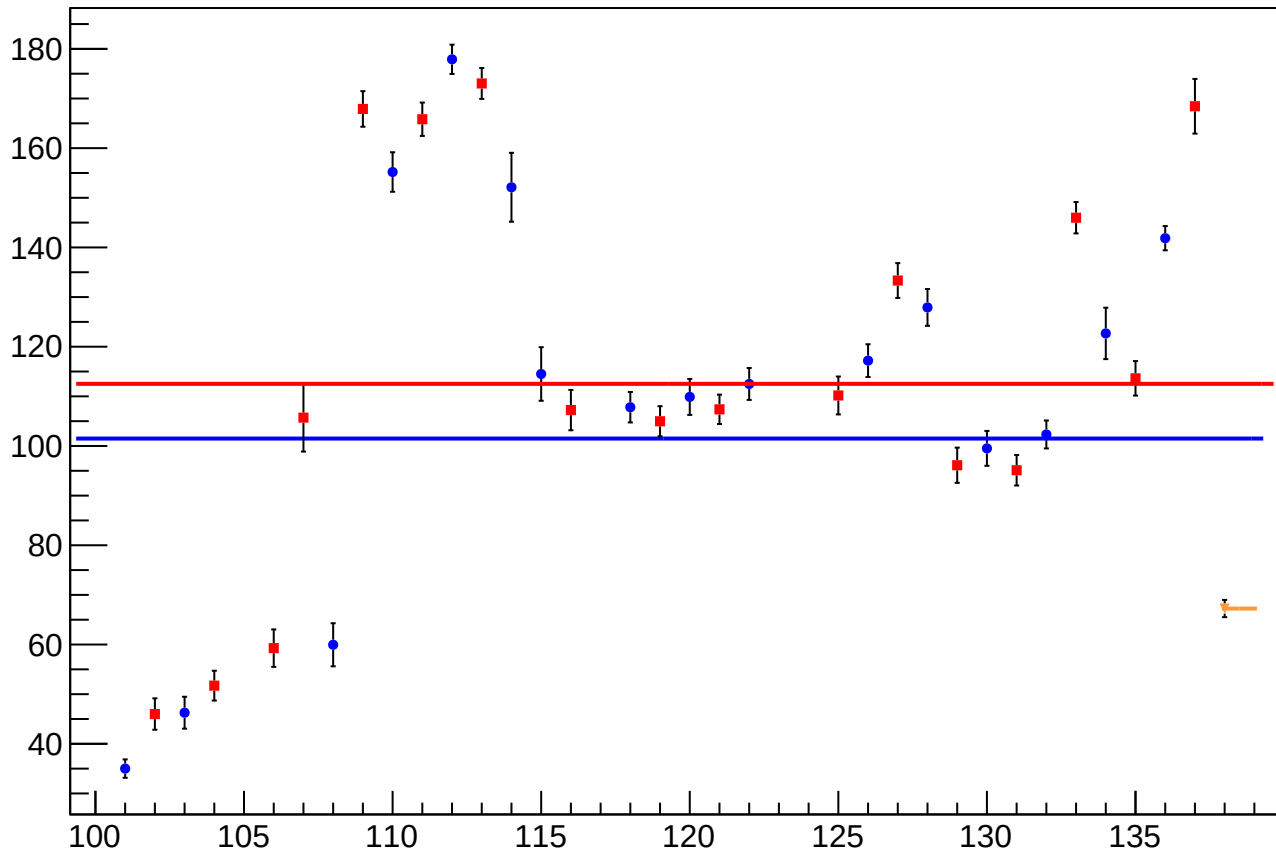
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 4.711 $\pm$ 0.410  $\chi^2$ /NDF: 523.4/16

All: 6.253 $\pm$ 0.304  $\chi^2$ /NDF: 961.7/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 101.496 $\pm$ 0.808  $\chi^2$ /NDF: 2973.0/15

Left Out: 67.251 $\pm$ 1.737  $\chi^2$ /NDF: 0.0/0

Right Out: 112.521 $\pm$ 0.843  $\chi^2$ /NDF: 2236.9/16

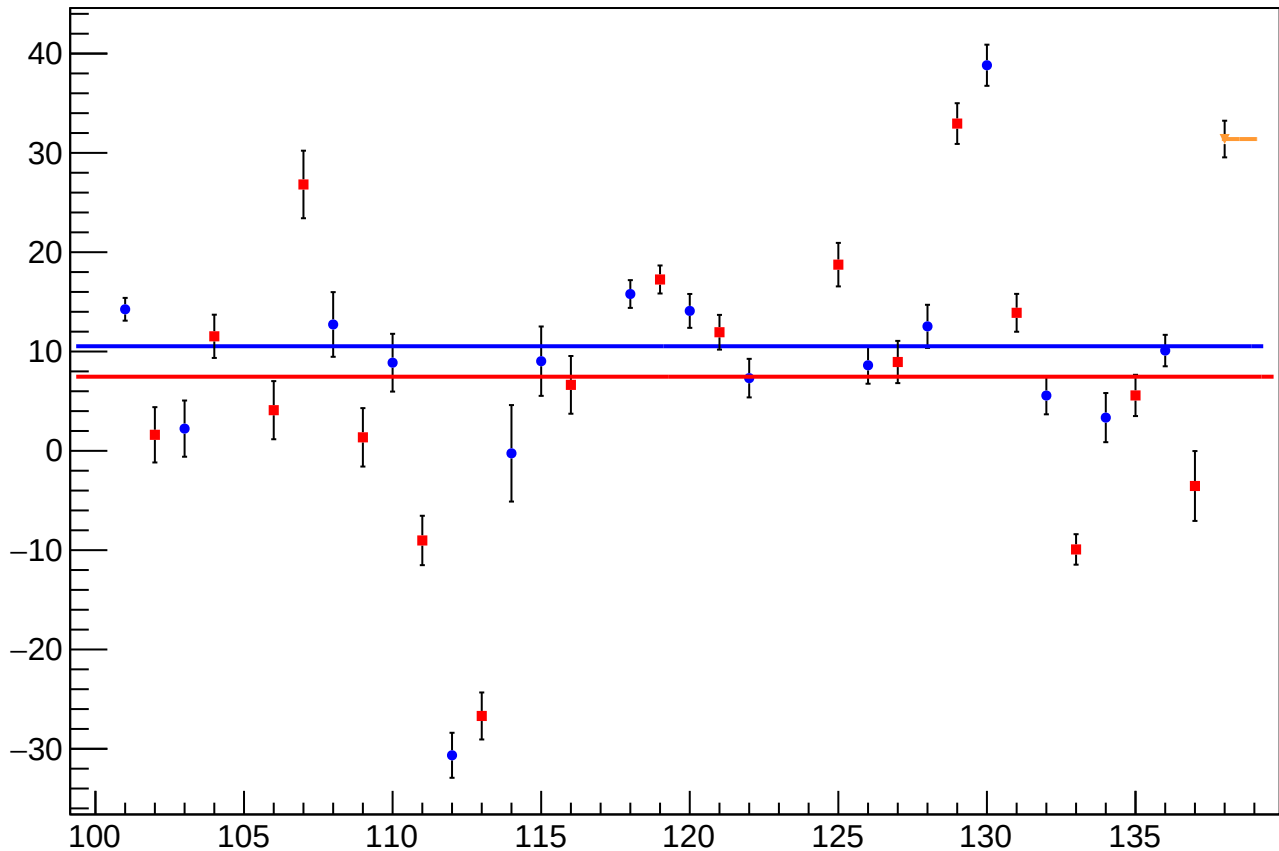
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 95.400 $\pm$ 0.733  $\chi^2$ /NDF: 3292.5/16

All: 102.767 $\pm$ 0.553  $\chi^2$ /NDF: 5764.4/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 10.532+/-0.493  $\chi^2/\text{NDF}$ : 580.3/15

Left Out: 31.394+/-1.845  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.466+/-0.525  $\chi^2/\text{NDF}$ : 685.0/16

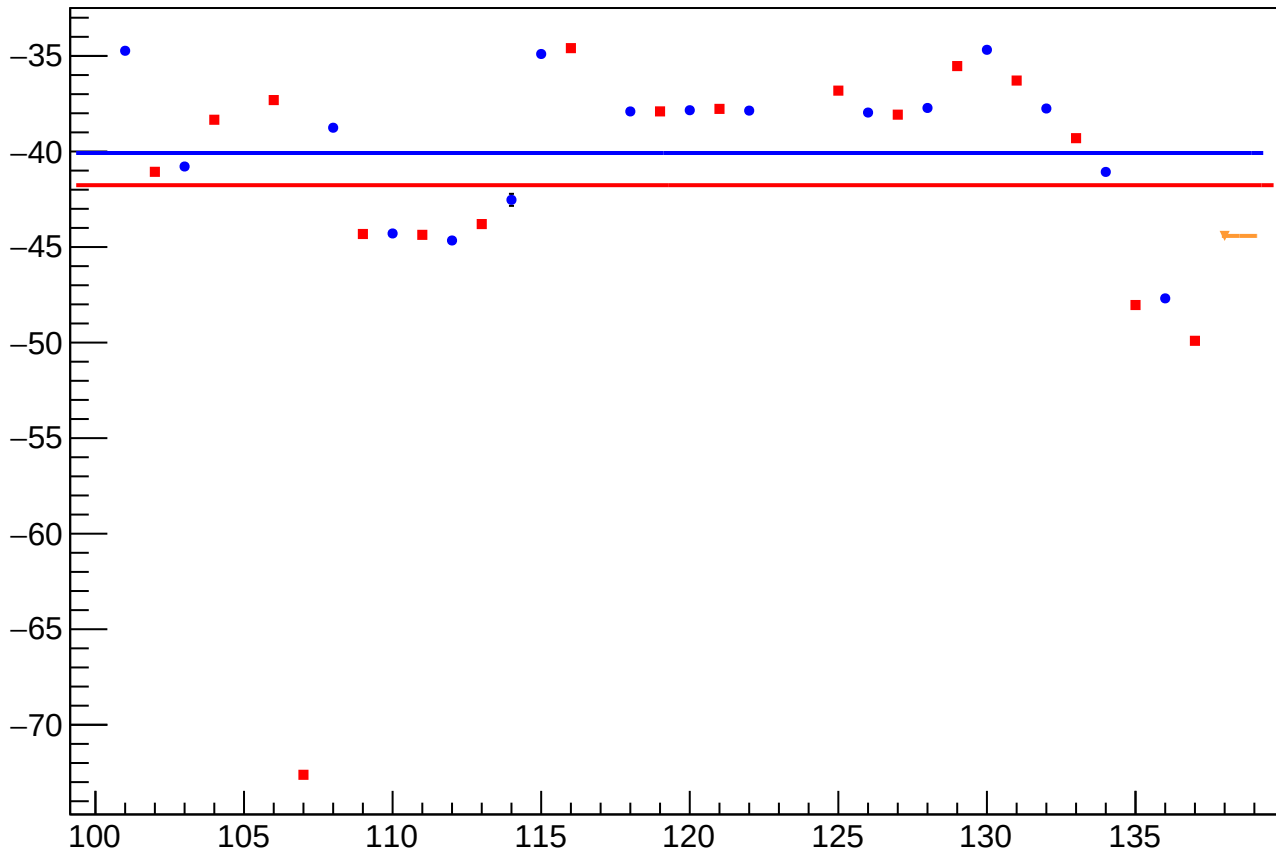
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 11.921+/-0.476  $\chi^2/\text{NDF}$ : 699.6/16

All: 9.910+/-0.353  $\chi^2/\text{NDF}$ : 1424.1/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-40.079 \pm 0.028$   $\chi^2/\text{NDF}$ : 25147.0/15

Left Out:  $-44.418 \pm 0.069$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-41.764 \pm 0.029$   $\chi^2/\text{NDF}$ : 60249.3/16

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

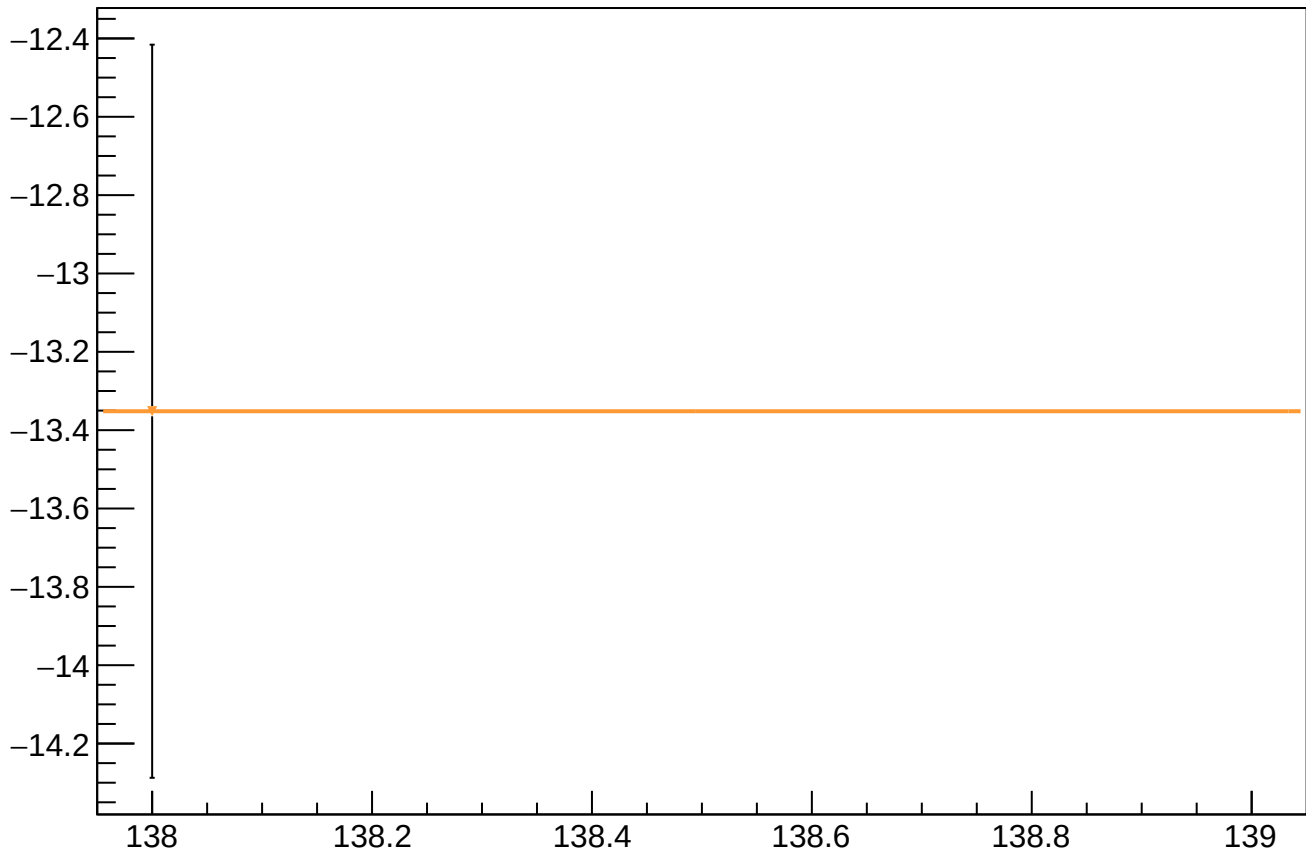
+ sign  $-40.706 \pm 0.026$   $\chi^2/\text{NDF}$ : 28561.7/16

All:  $-41.182 \pm 0.019$   $\chi^2/\text{NDF}$ : 89550.4/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_us\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -13.352 $\pm$ 0.936  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

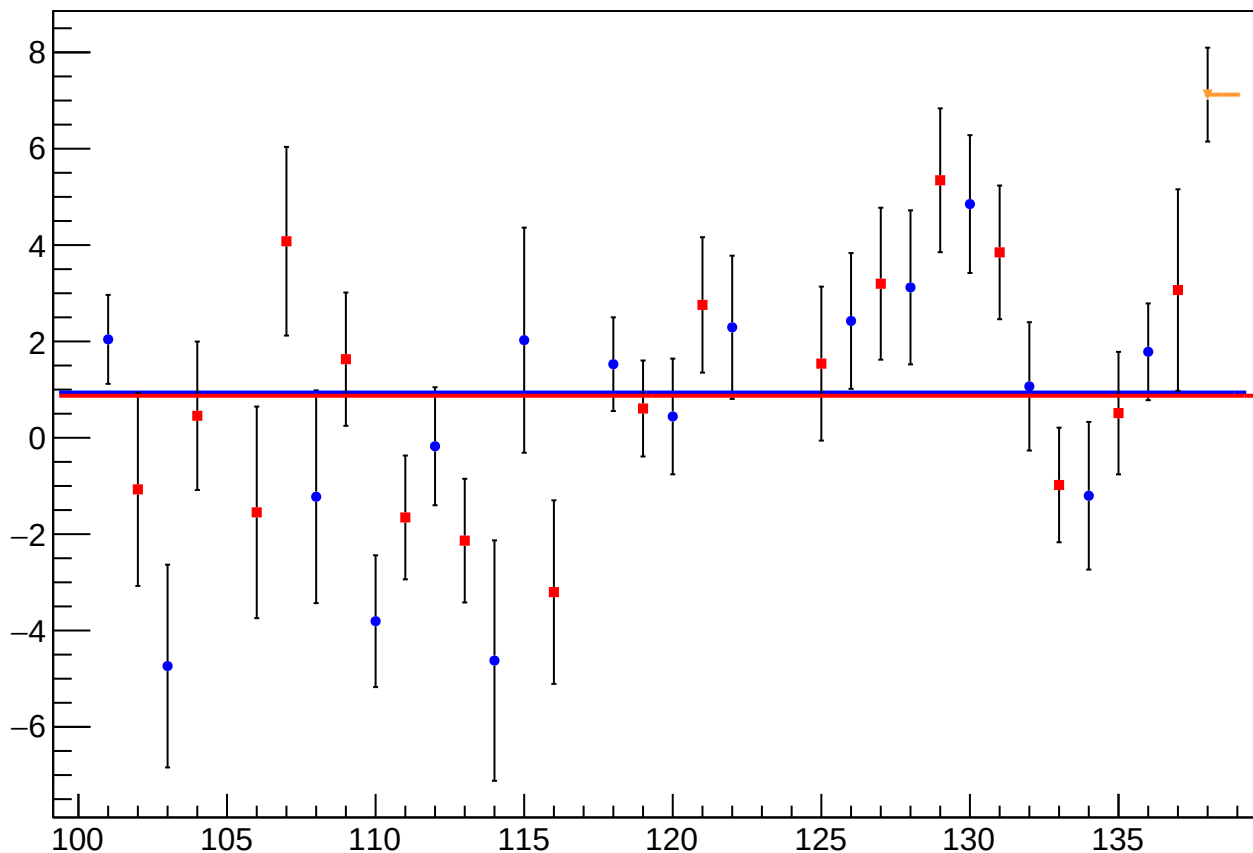
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -13.352 $\pm$ 0.936  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 0.939 $\pm$ 0.339  $\chi^2$ /NDF: 42.2/15

Left Out: 7.123 $\pm$ 0.975  $\chi^2$ /NDF:0.0/0

Right Out: 0.873 $\pm$ 0.354  $\chi^2$ /NDF: 40.6/16

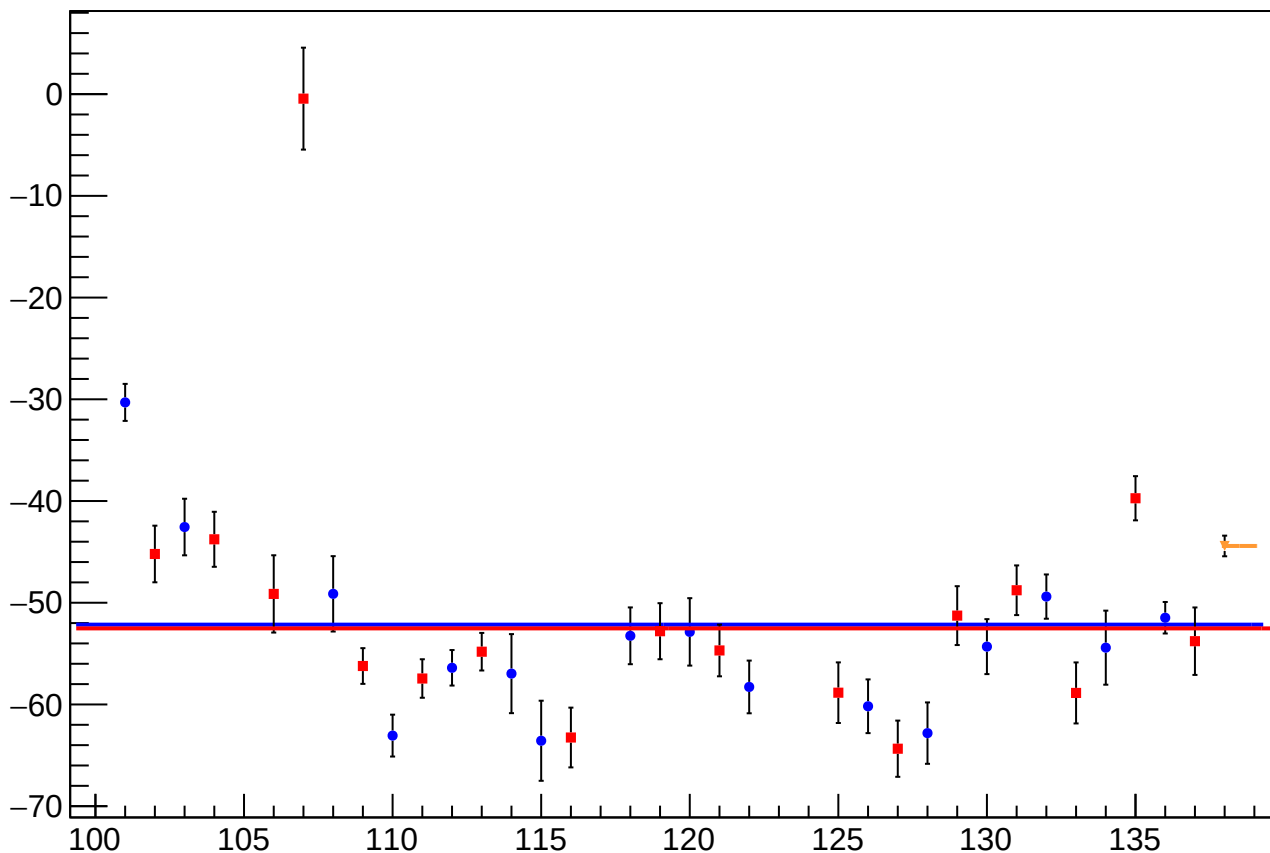
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 1.606 $\pm$ 0.320  $\chi^2$ /NDF: 78.1/16

All: 1.276 $\pm$ 0.237  $\chi^2$ /NDF: 121.0/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-52.154 \pm 0.613$   $\chi^2/\text{NDF}$ : 231.1/15

Left Out:  $-44.419 \pm 1.015$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-52.523 \pm 0.618$   $\chi^2/\text{NDF}$ : 217.7/16

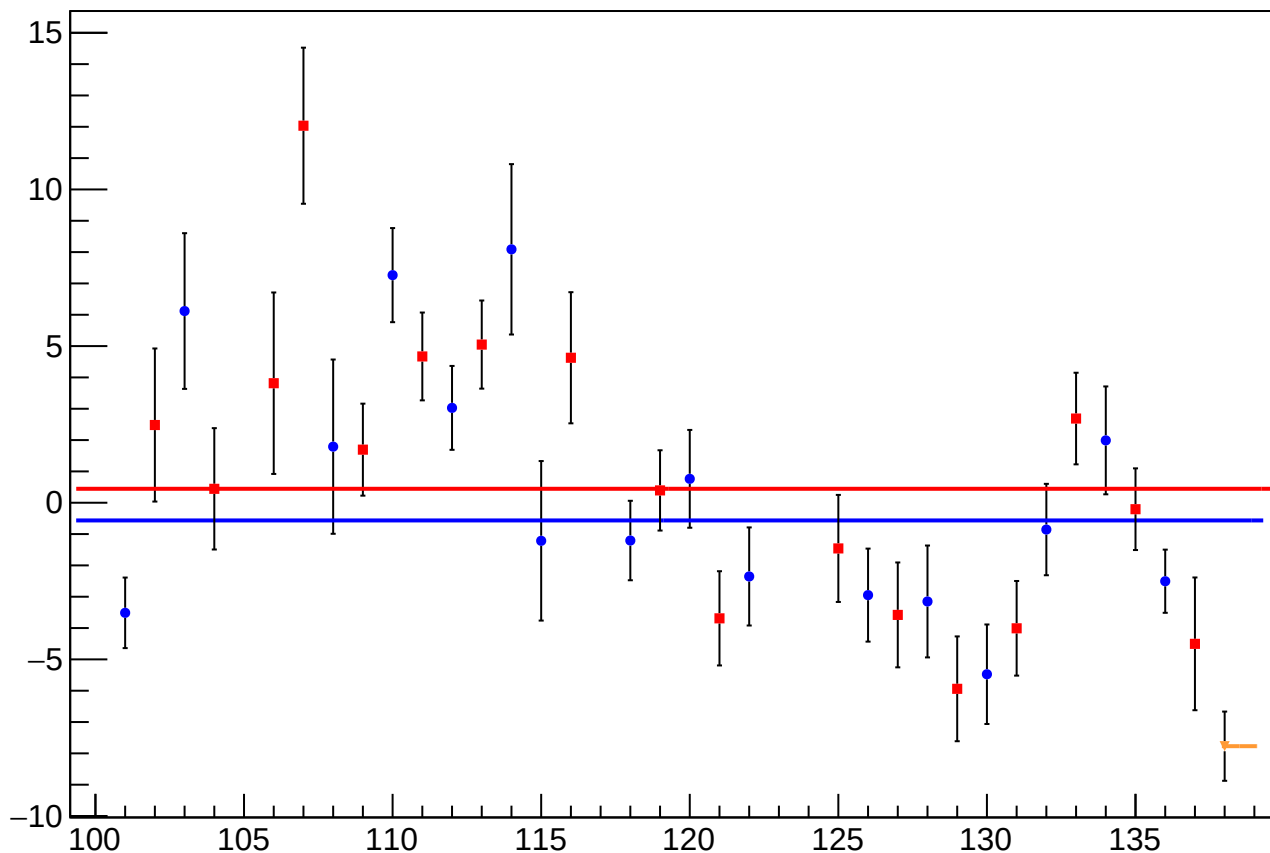
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-50.086 \pm 0.525$   $\chi^2/\text{NDF}$ : 273.6/16

All:  $-51.107 \pm 0.400$   $\chi^2/\text{NDF}$ : 500.4/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-0.565 \pm 0.384$   $\chi^2/\text{NDF}$ : 81.8/15

Left Out:  $-7.771 \pm 1.105$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.445 \pm 0.400$   $\chi^2/\text{NDF}$ : 94.1/16

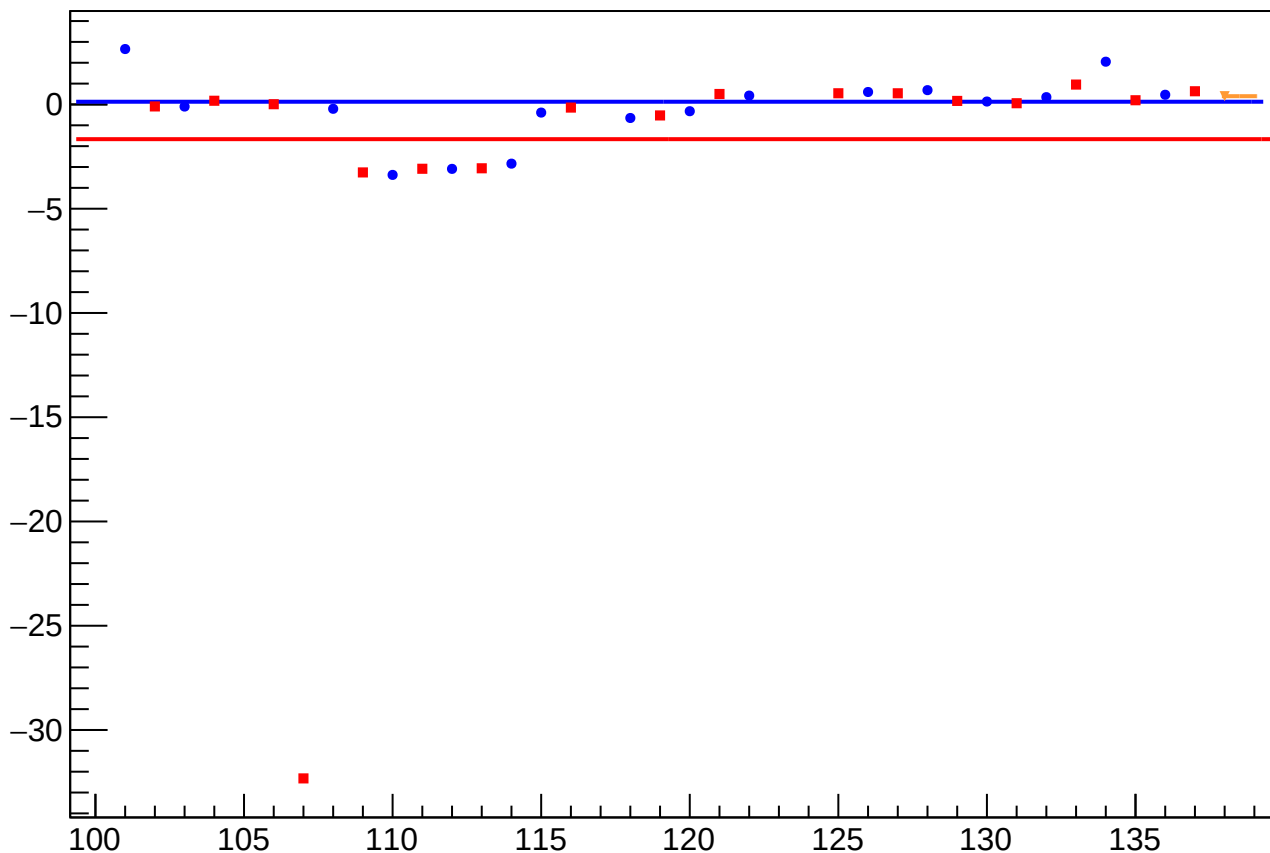
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-1.343 \pm 0.363$   $\chi^2/\text{NDF}$ : 119.8/16

All:  $-0.535 \pm 0.269$   $\chi^2/\text{NDF}$ : 224.8/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.130+/-0.022  $\chi^2/\text{NDF}$ : 5232.9/15

Left Out: 0.397+/-0.040  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.665+/-0.022  $\chi^2/\text{NDF}$ : 77602.8/16

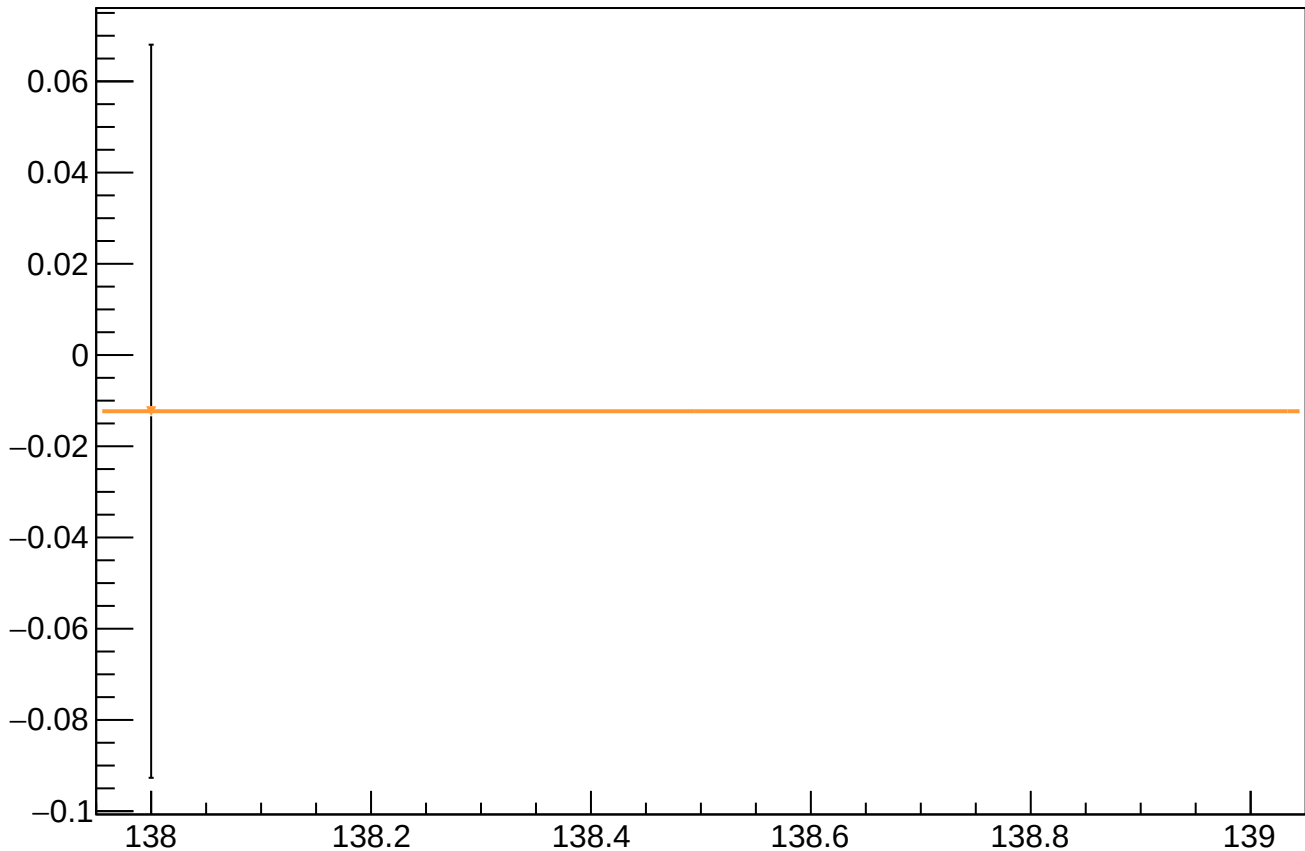
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.191+/-0.019  $\chi^2/\text{NDF}$ : 5267.7/16

All: -0.602+/-0.014  $\chi^2/\text{NDF}$ : 86982.8/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -0.012 $\pm$ 0.080  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

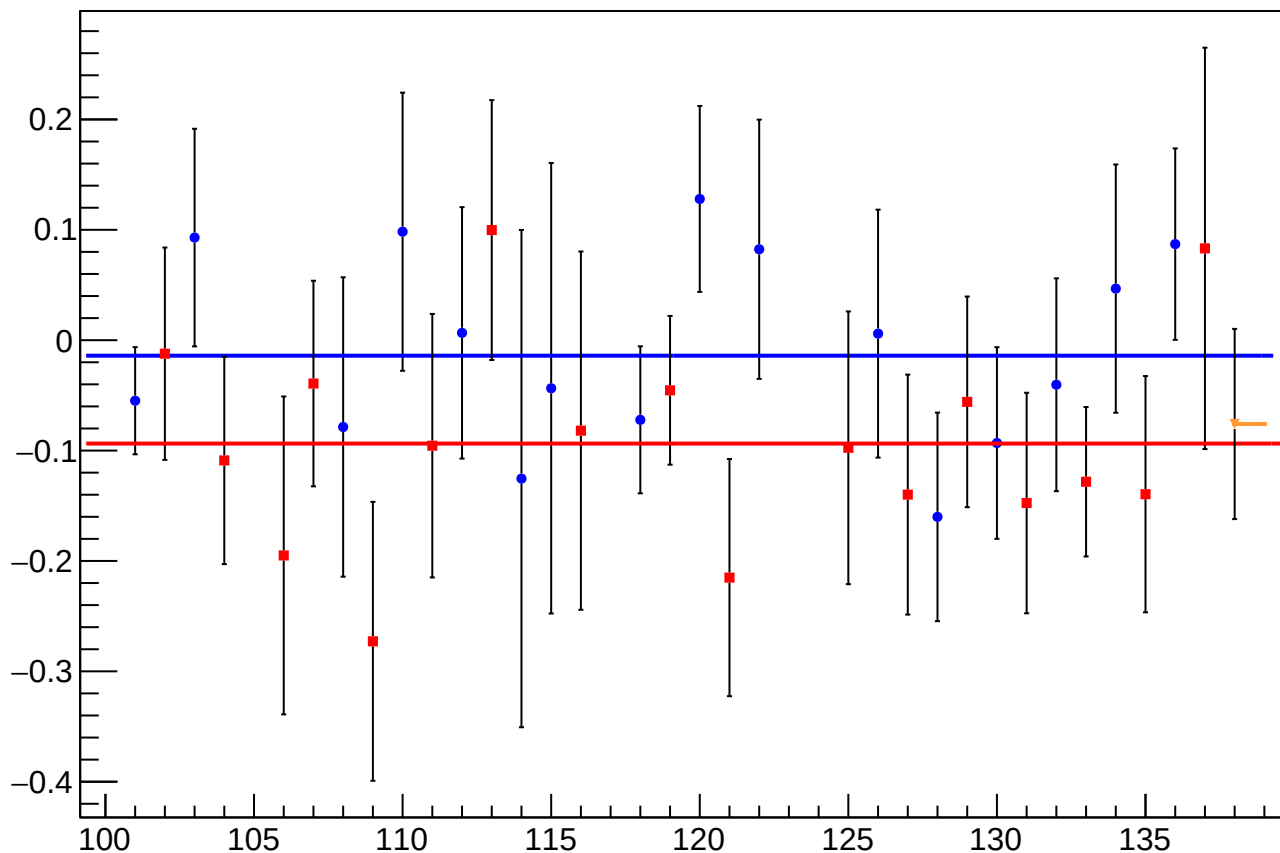
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.012 $\pm$ 0.080  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs Slug



Right In:  $-0.014 \pm 0.023$   $\chi^2/\text{NDF}$ : 12.5/15

Left Out:  $-0.076 \pm 0.086$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.094 \pm 0.025$   $\chi^2/\text{NDF}$ : 10.1/16

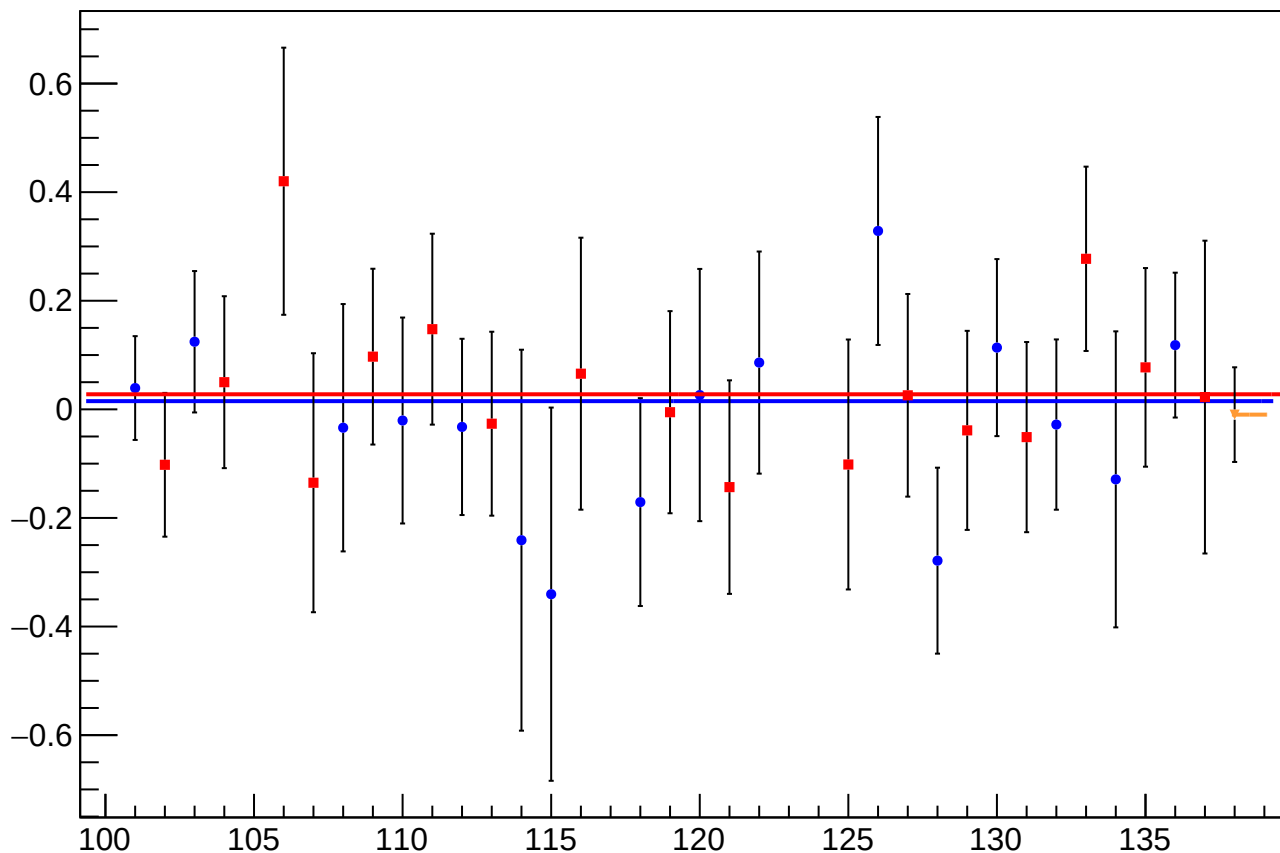
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.018 \pm 0.022$   $\chi^2/\text{NDF}$ : 12.9/16

All:  $-0.052 \pm 0.017$   $\chi^2/\text{NDF}$ : 28.1/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 0.015 $\pm$ 0.043  $\chi^2$ /NDF: 10.1/15

Left Out: -0.010 $\pm$ 0.087  $\chi^2$ /NDF:0.0/0

Right Out: 0.028 $\pm$ 0.045  $\chi^2$ /NDF: 8.4/16

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

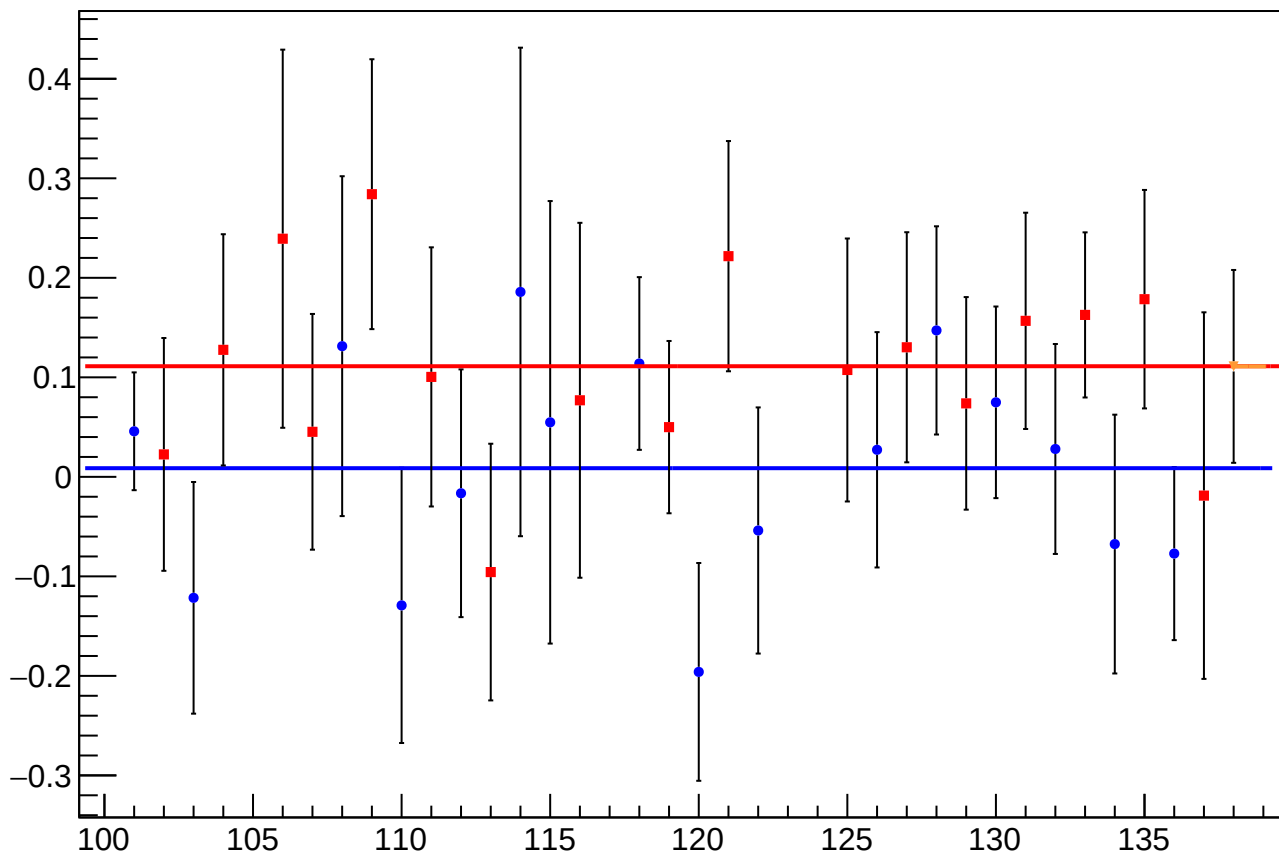
+ sign 0.010 $\pm$ 0.038  $\chi^2$ /NDF: 10.2/16

All: 0.018 $\pm$ 0.029  $\chi^2$ /NDF: 18.7/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 0.009 $\pm$ 0.027  $\chi^2$ /NDF: 12.6/15

Left Out: 0.111 $\pm$ 0.097  $\chi^2$ /NDF: 0.0/0

Right Out: 0.111 $\pm$ 0.029  $\chi^2$ /NDF: 8.6/16

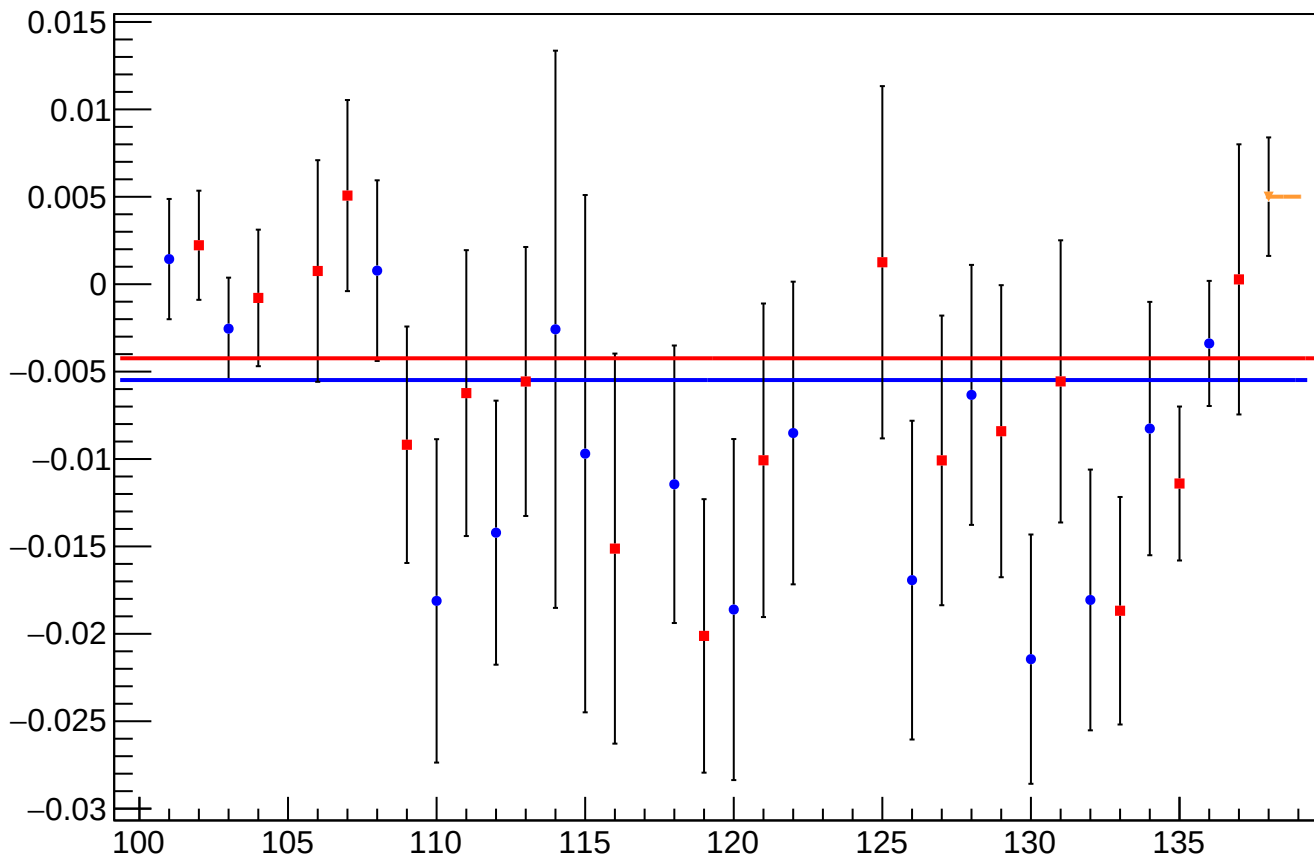
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.016 $\pm$ 0.026  $\chi^2$ /NDF: 13.6/16

All: 0.059 $\pm$ 0.019  $\chi^2$ /NDF: 28.3/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -0.005 $\pm$ 0.001  $\chi^2$ /NDF: 22.3/15

Left Out: 0.005 $\pm$ 0.003  $\chi^2$ /NDF:0.0/0

Right Out: -0.004 $\pm$ 0.001  $\chi^2$ /NDF: 23.7/16

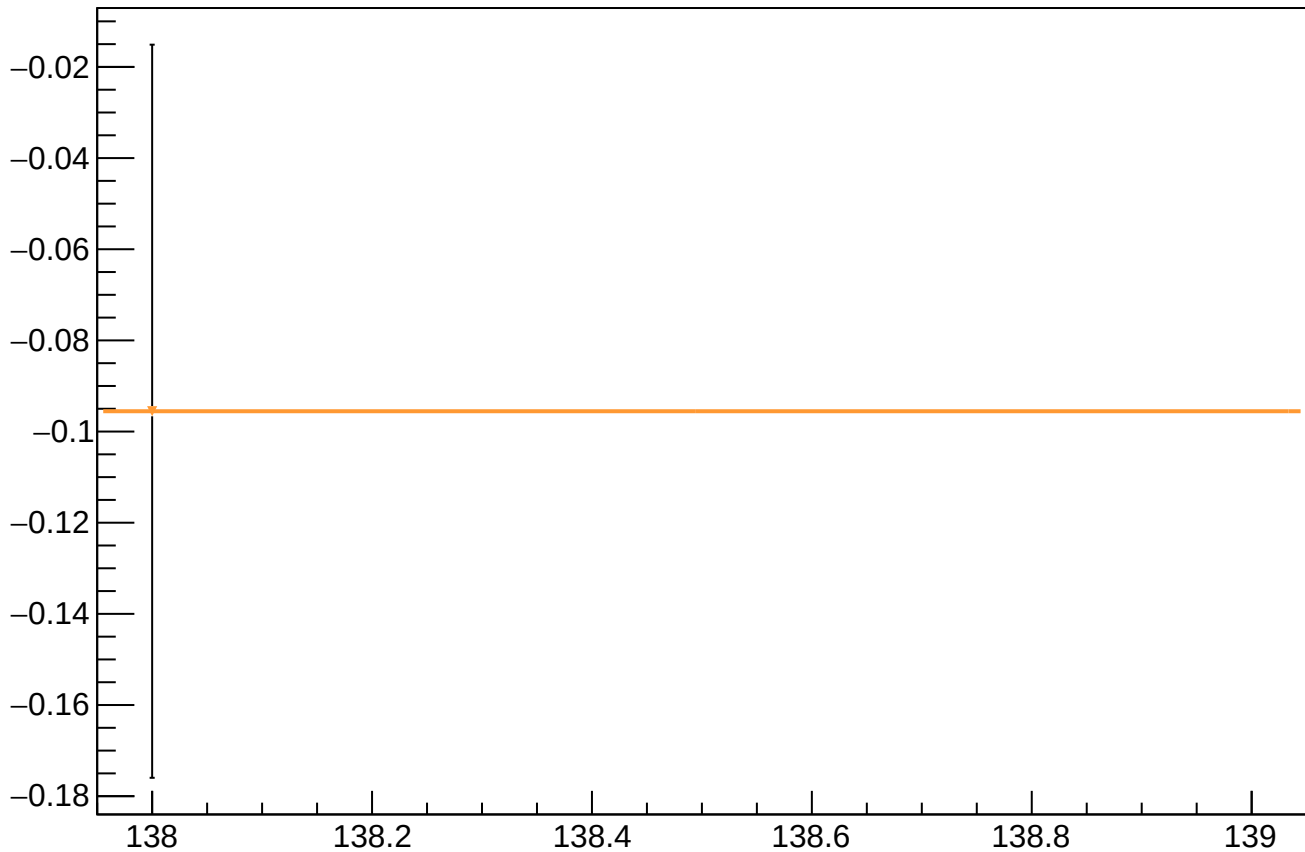
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign -0.004 $\pm$ 0.001  $\chi^2$ /NDF: 30.4/16

All: -0.004 $\pm$ 0.001  $\chi^2$ /NDF: 54.1/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.096+/-0.080  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

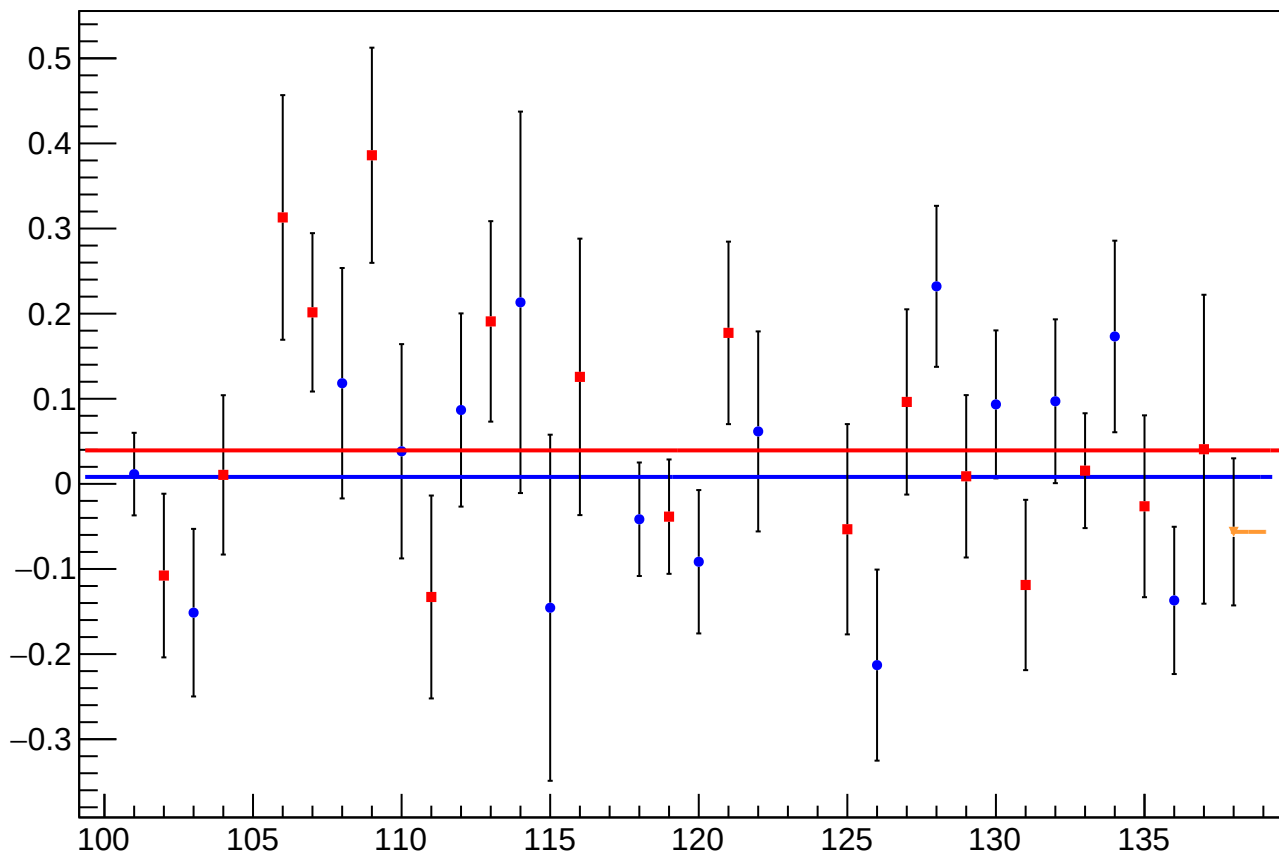
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.096+/-0.080  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 0.008 $\pm$ 0.023  $\chi^2$ /NDF: 23.7/15

Left Out: -0.056 $\pm$ 0.086  $\chi^2$ /NDF: 0.0/0

Right Out: 0.039 $\pm$ 0.025  $\chi^2$ /NDF: 27.6/16

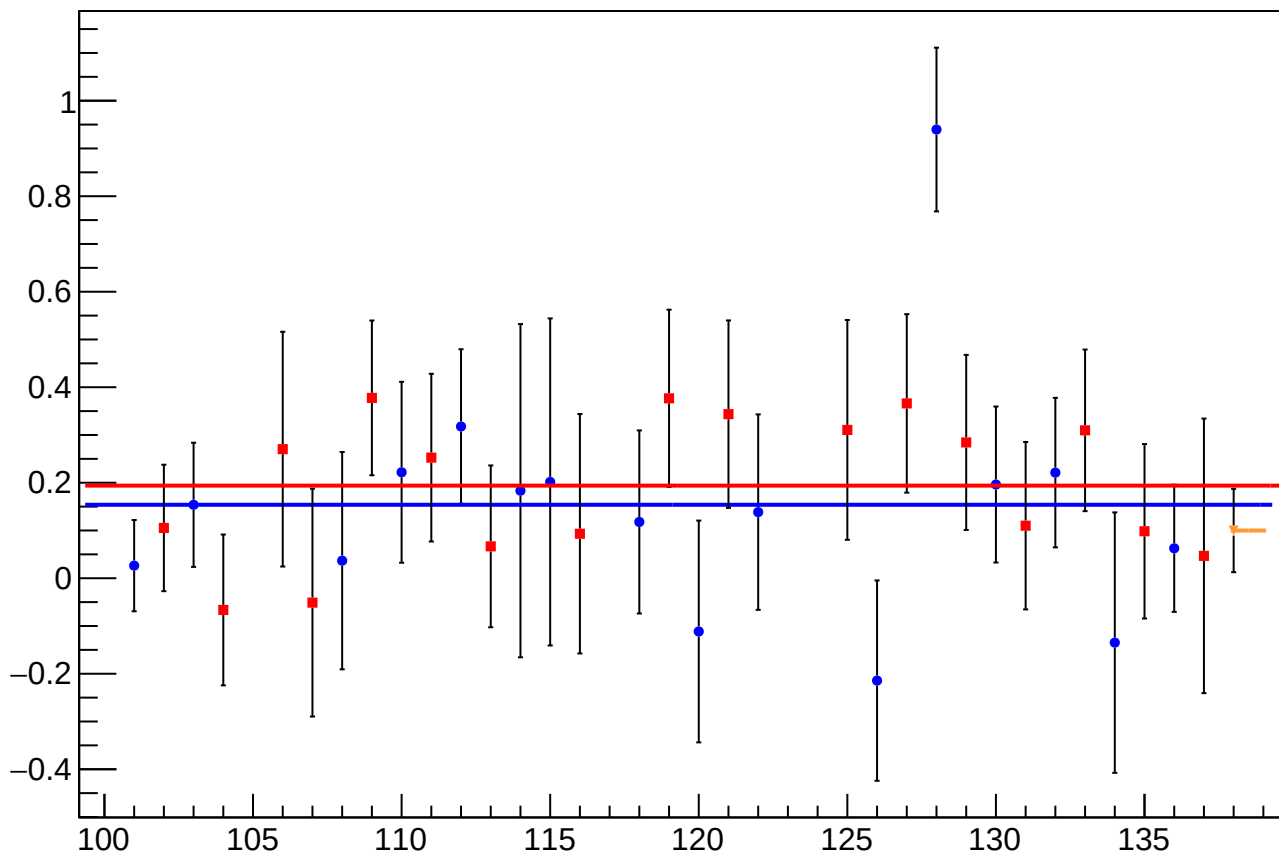
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.004 $\pm$ 0.022  $\chi^2$ /NDF: 24.2/16

All: 0.020 $\pm$ 0.017  $\chi^2$ /NDF: 52.9/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 0.154 $\pm$ 0.043  $\chi^2$ /NDF: 30.5/15

Left Out: 0.100 $\pm$ 0.087  $\chi^2$ /NDF: 0.0/0

Right Out: 0.194 $\pm$ 0.045  $\chi^2$ /NDF: 10.6/16

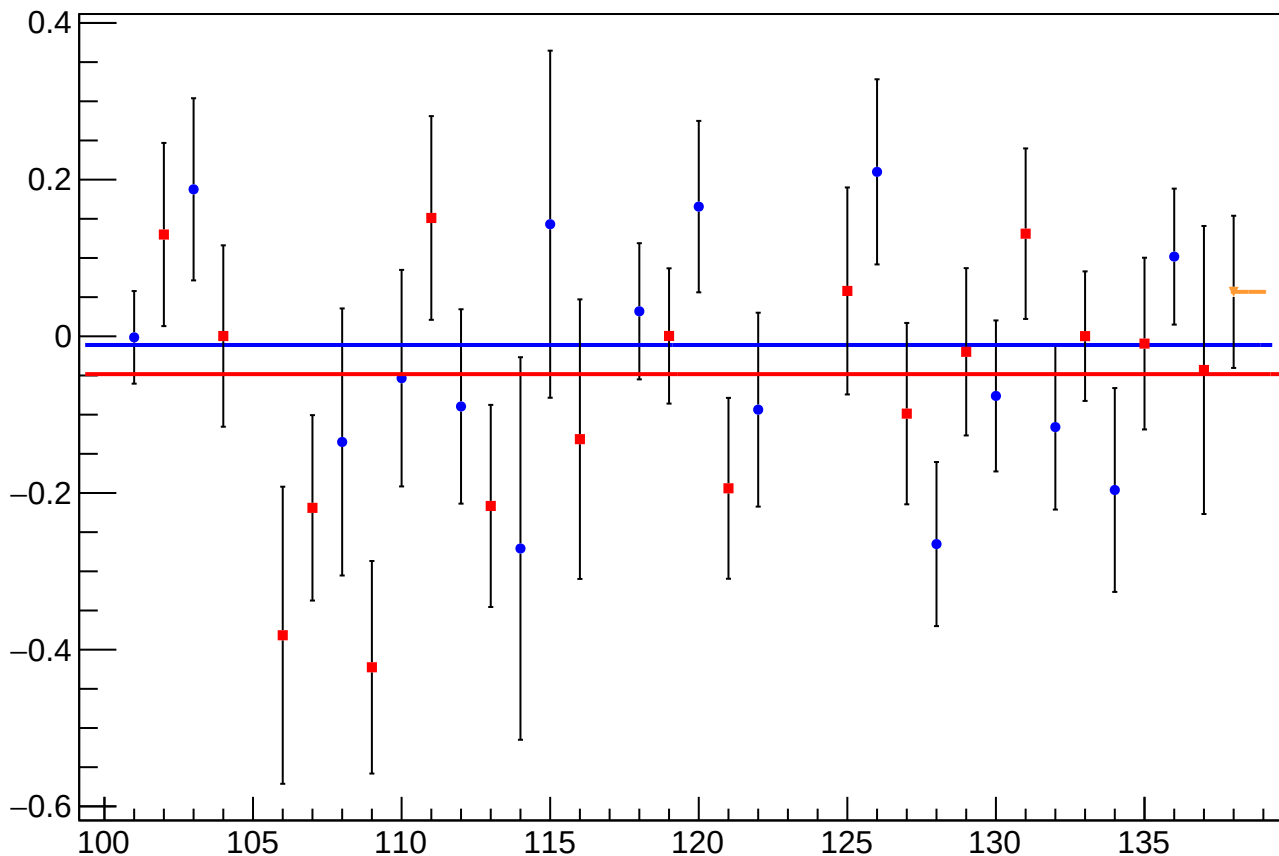
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.143 $\pm$ 0.038  $\chi^2$ /NDF: 30.8/16

All: 0.165 $\pm$ 0.029  $\chi^2$ /NDF: 42.1/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-0.011 \pm 0.027$   $\chi^2/\text{NDF}$ : 23.4/15

Left Out:  $0.057 \pm 0.097$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.048 \pm 0.029$   $\chi^2/\text{NDF}$ : 25.6/16

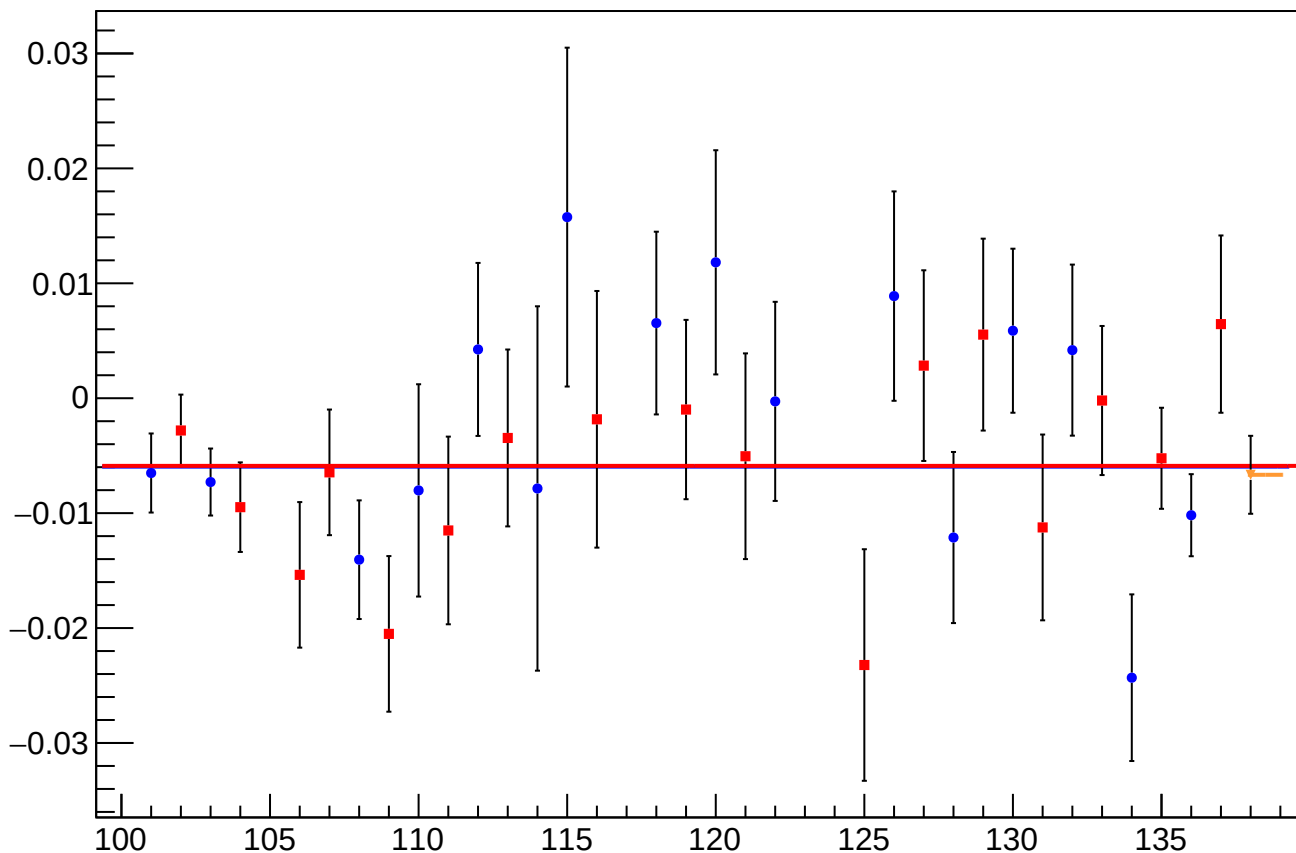
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.006 \pm 0.026$   $\chi^2/\text{NDF}$ : 23.9/16

All:  $-0.025 \pm 0.019$   $\chi^2/\text{NDF}$ : 50.6/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug



Right In: -0.006+/-0.001  $\chi^2$ /NDF: 28.7/15

Left Out: -0.007+/-0.003  $\chi^2$ /NDF:0.0/0

Right Out: -0.006+/-0.001  $\chi^2$ /NDF: 19.6/16

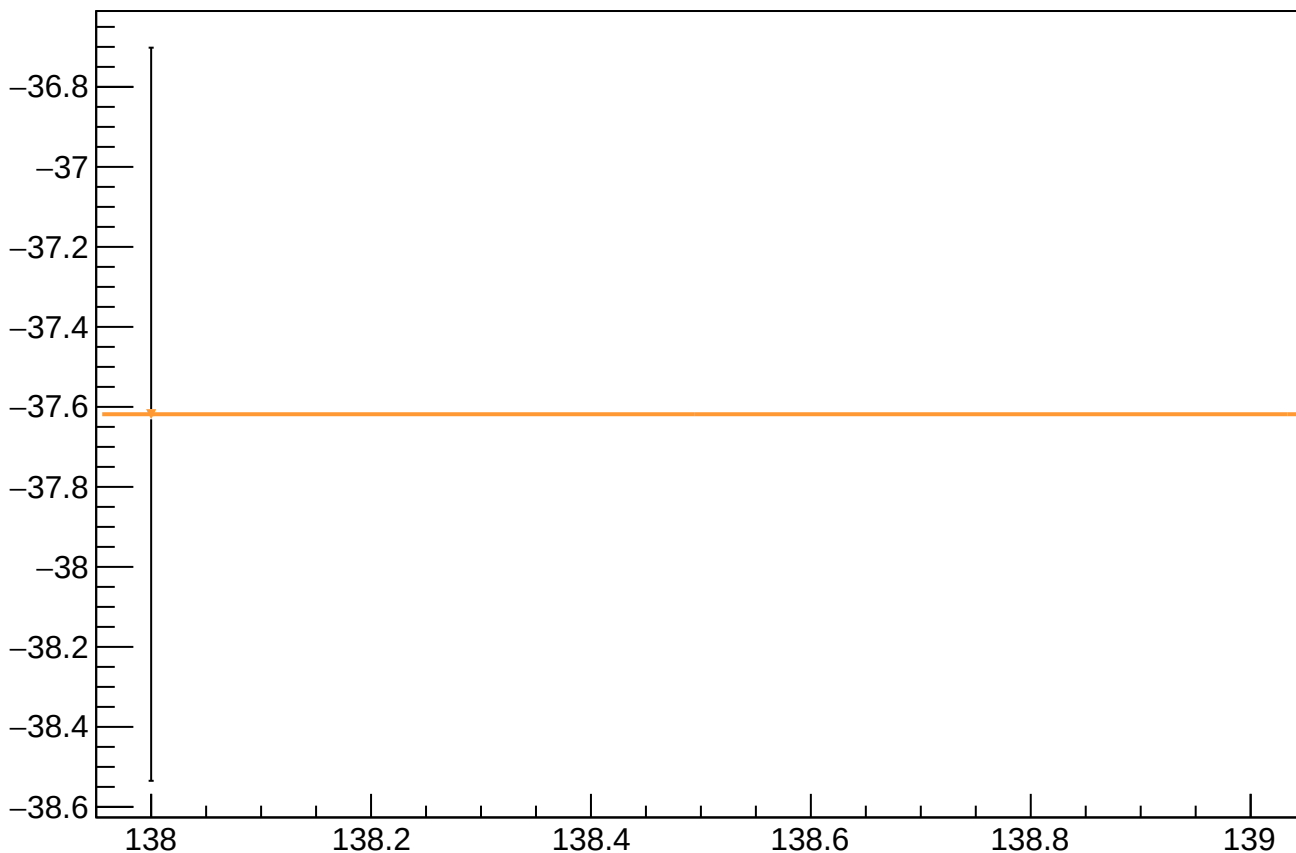
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign -0.006+/-0.001  $\chi^2$ /NDF: 28.8/16

All: -0.006+/-0.001  $\chi^2$ /NDF: 48.4/33

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -37.618+/-0.916  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

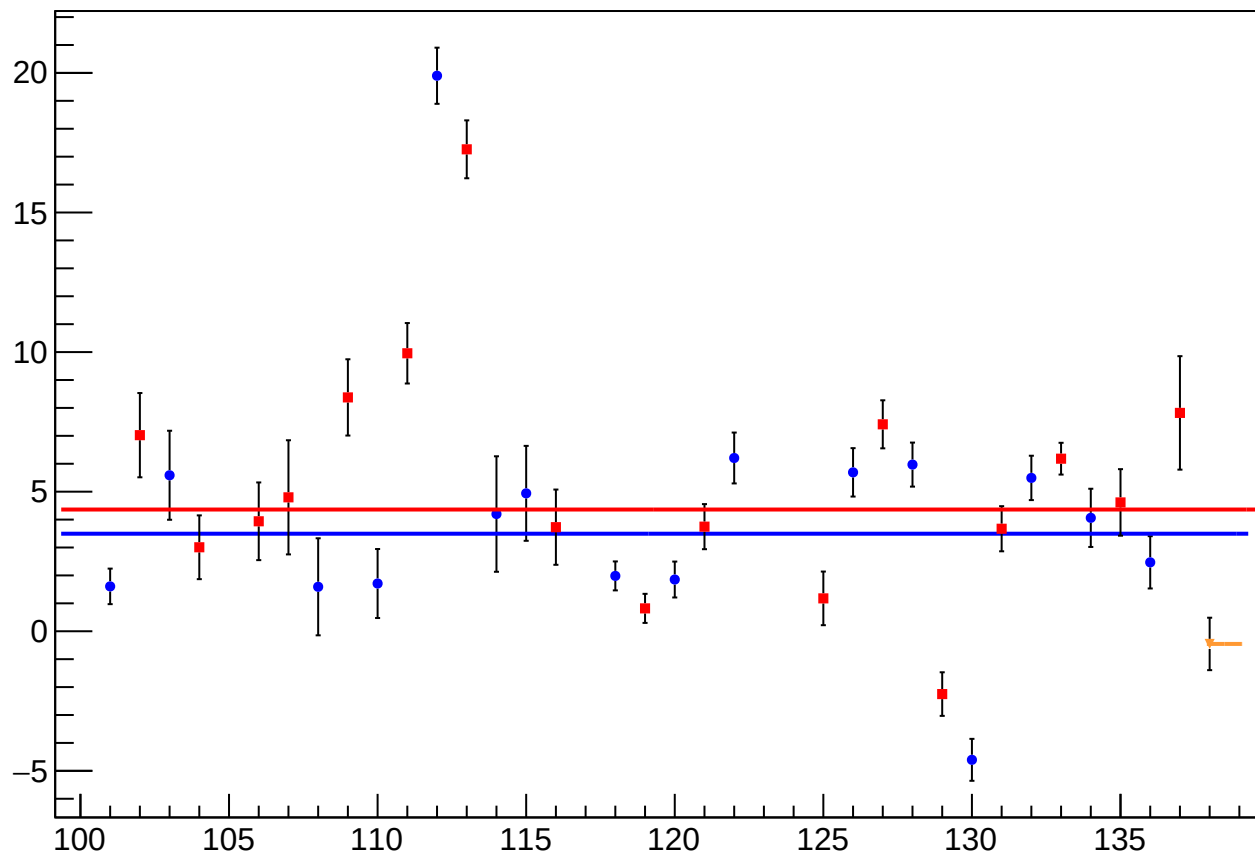
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -37.618+/-0.916  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 3.494+/-0.218  $\chi^2/\text{NDF}$ : 444.9/15

Left Out: -0.454+/-0.939  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.360+/-0.225  $\chi^2/\text{NDF}$ : 351.0/16

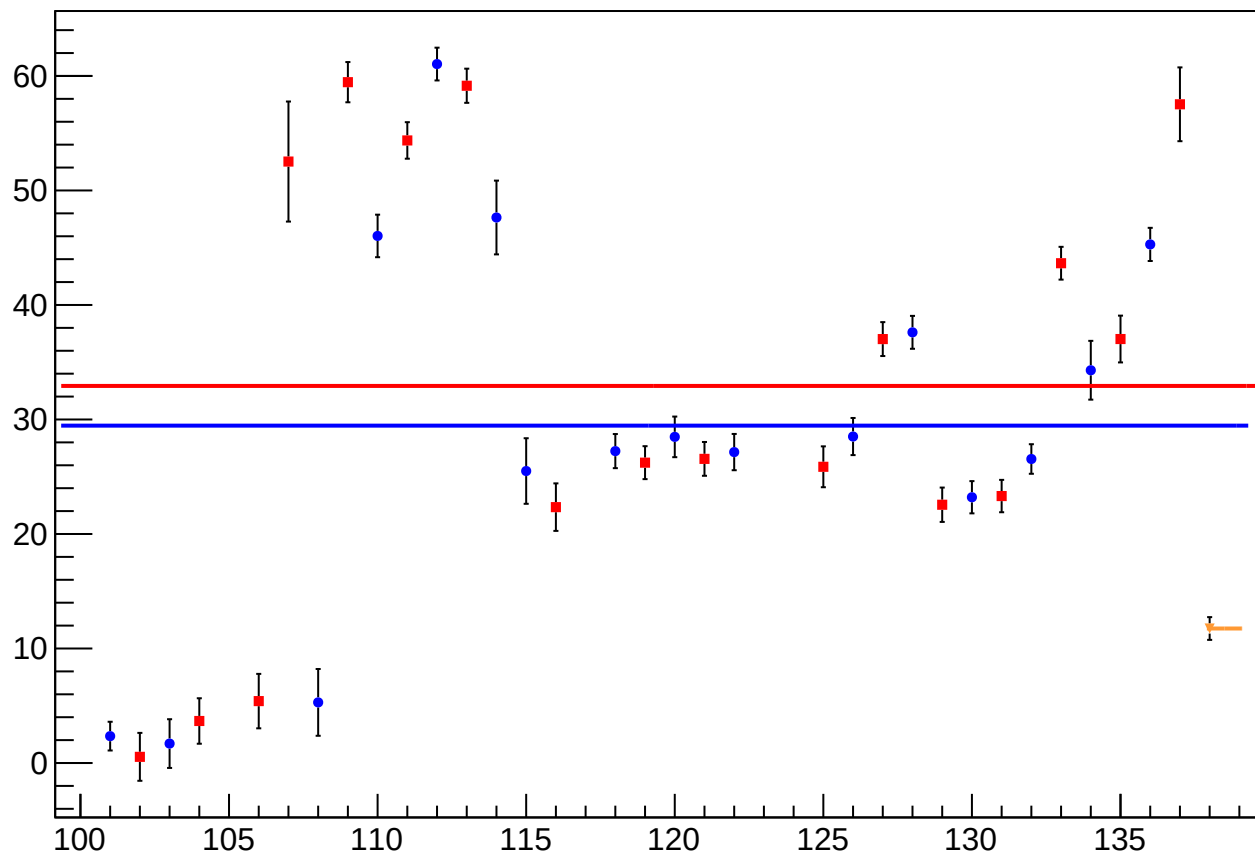
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3.293+/-0.212  $\chi^2/\text{NDF}$ : 461.7/16

All: 3.794+/-0.154  $\chi^2/\text{NDF}$ : 824.5/33

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 29.463 $\pm$ 0.418  $\chi^2$ /NDF: 1491.6/15

Left Out: 11.746 $\pm$ 0.994  $\chi^2$ /NDF: 0.0/0

Right Out: 32.930 $\pm$ 0.423  $\chi^2$ /NDF: 1624.4/16

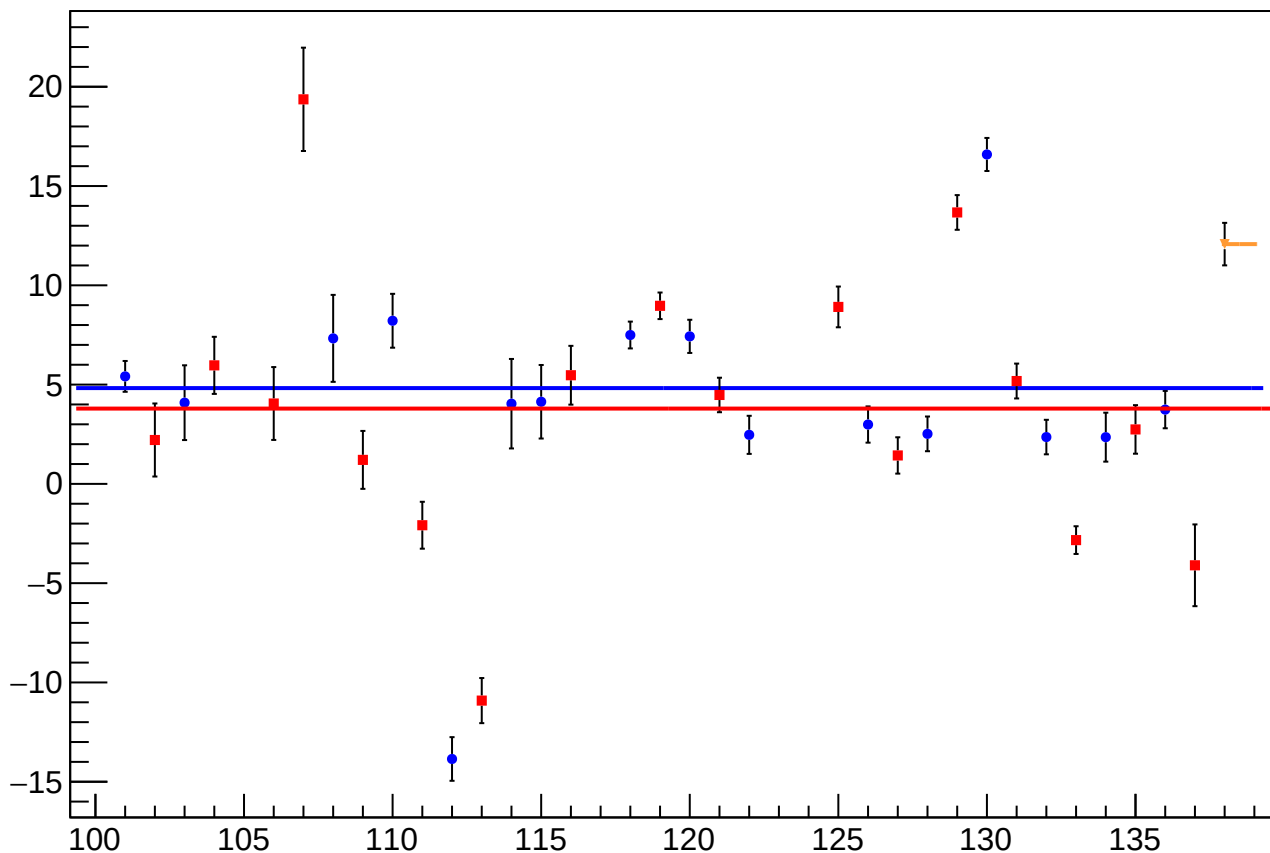
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 26.804 $\pm$ 0.385  $\chi^2$ /NDF: 1761.8/16

All: 29.575 $\pm$ 0.285  $\chi^2$ /NDF: 3500.8/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 4.824 $\pm$ 0.252  $\chi^2$ /NDF: 552.9/15

Left Out: 12.075 $\pm$ 1.070  $\chi^2$ /NDF: 0.0/0

Right Out: 3.792 $\pm$ 0.259  $\chi^2$ /NDF: 563.6/16

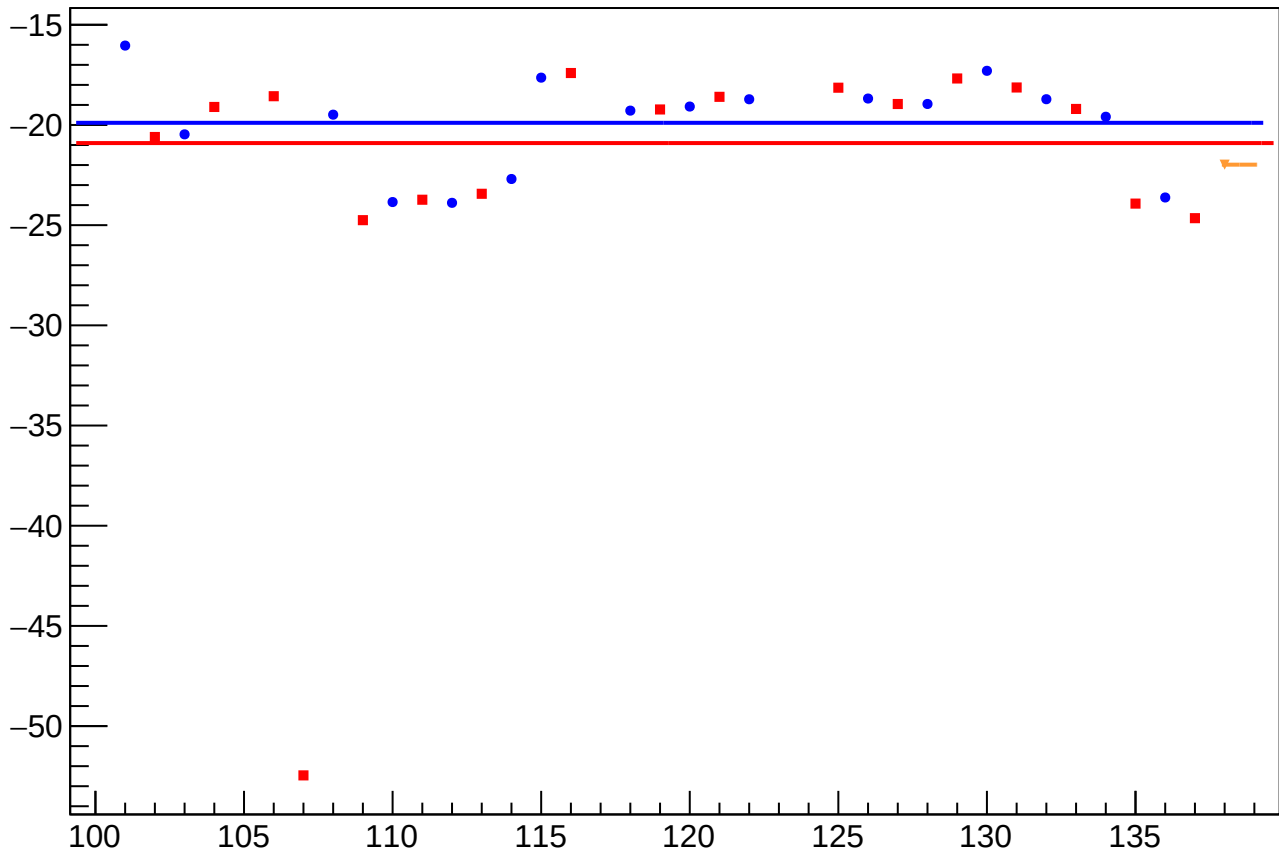
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 5.204 $\pm$ 0.245  $\chi^2$ /NDF: 596.4/16

All: 4.537 $\pm$ 0.178  $\chi^2$ /NDF: 1175.7/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-19.892 \pm 0.016$   $\chi^2/\text{NDF}: 26092.3/15$

Left Out:  $-21.981 \pm 0.039$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-20.904 \pm 0.016$   $\chi^2/\text{NDF}: 92802.8/16$

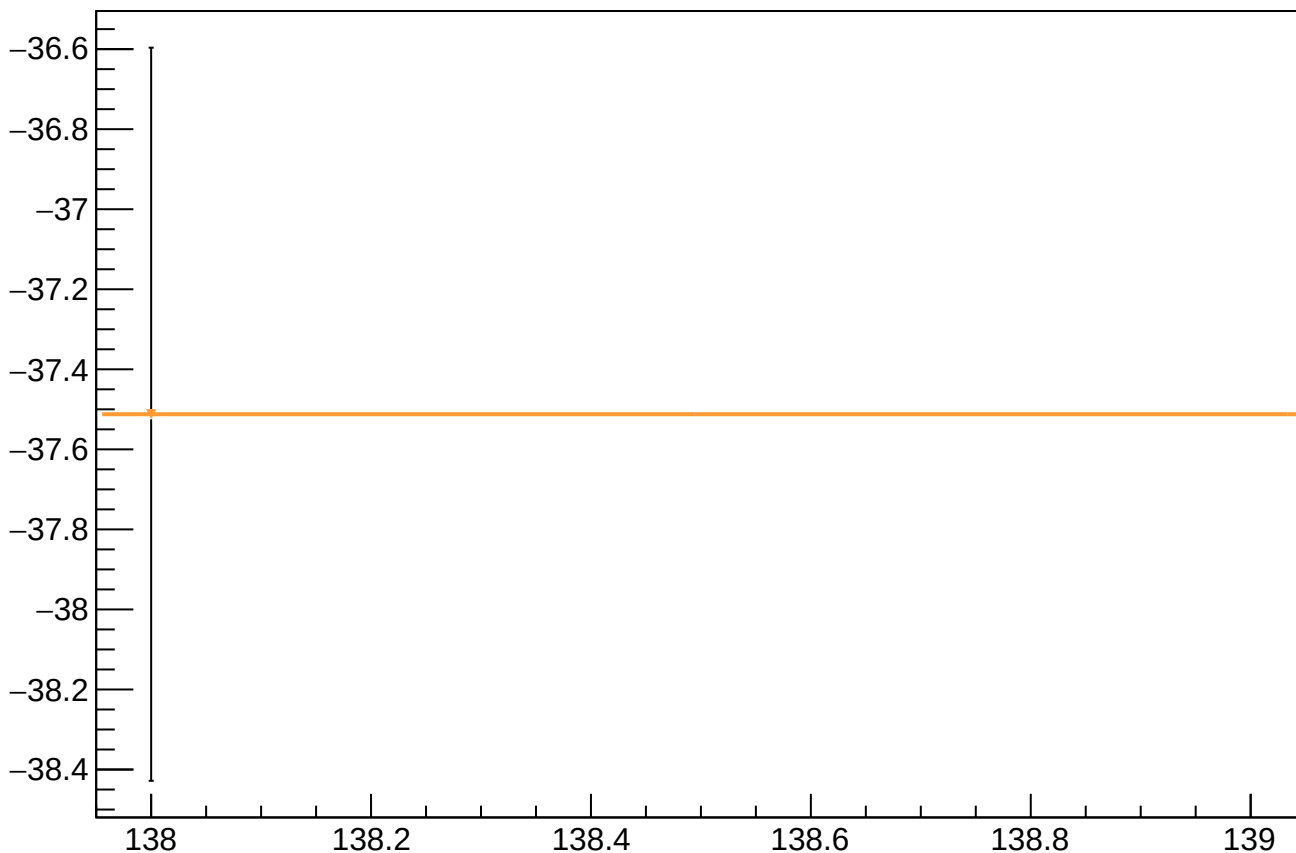
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-20.179 \pm 0.014$   $\chi^2/\text{NDF}: 28554.6/16$

All:  $-20.511 \pm 0.011$   $\chi^2/\text{NDF}: 122506.0/33$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_left\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -37.512+/-0.916  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

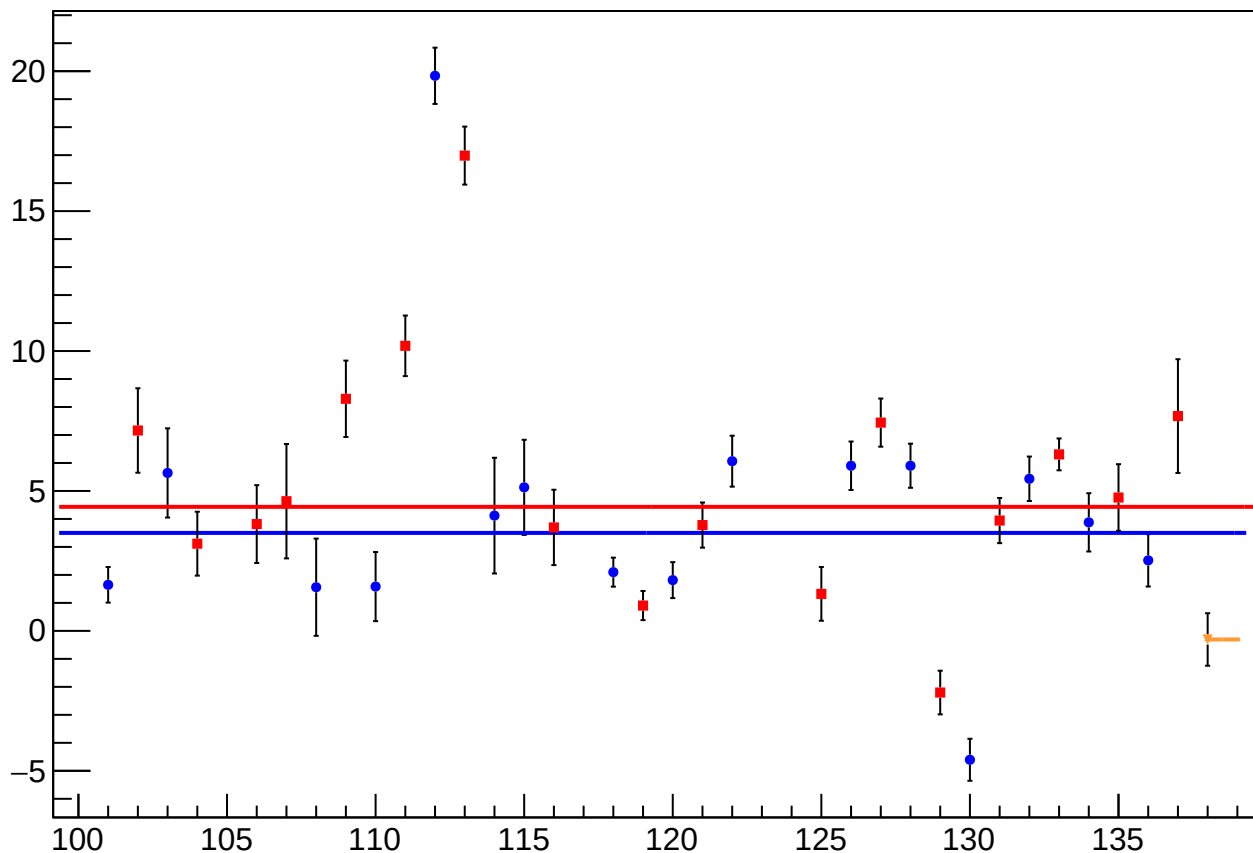
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -37.512+/-0.916  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $3.501 \pm 0.218$   $\chi^2/\text{NDF}$ : 441.9/15

Left Out:  $-0.307 \pm 0.939$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $4.432 \pm 0.225$   $\chi^2/\text{NDF}$ : 343.6/16

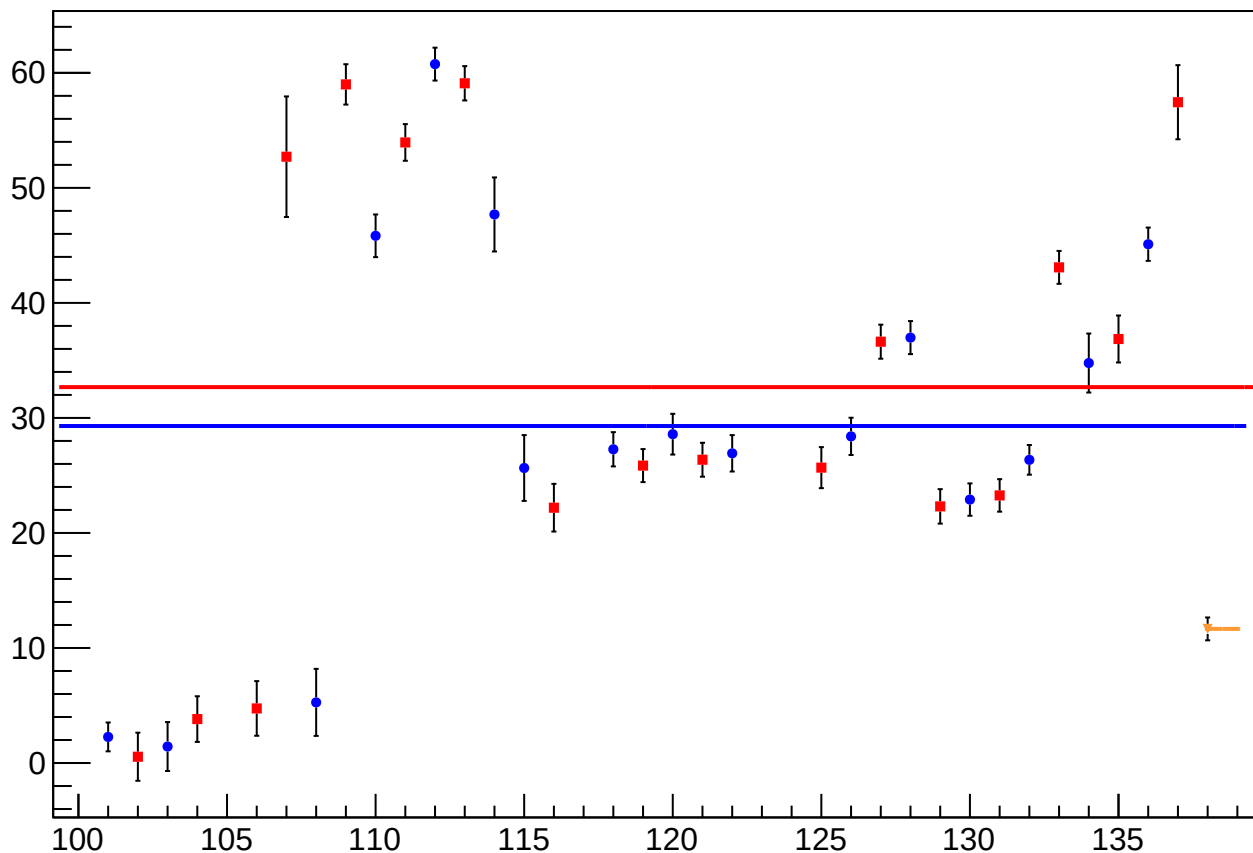
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $3.307 \pm 0.212$   $\chi^2/\text{NDF}$ : 457.5/16

All:  $3.835 \pm 0.154$   $\chi^2/\text{NDF}$ : 814.3/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 29.297 $\pm$ 0.417  $\chi^2$ /NDF: 1485.2/15

Left Out: 11.659 $\pm$ 0.993  $\chi^2$ /NDF: 0.0/0

Right Out: 32.679 $\pm$ 0.423  $\chi^2$ /NDF: 1614.8/16

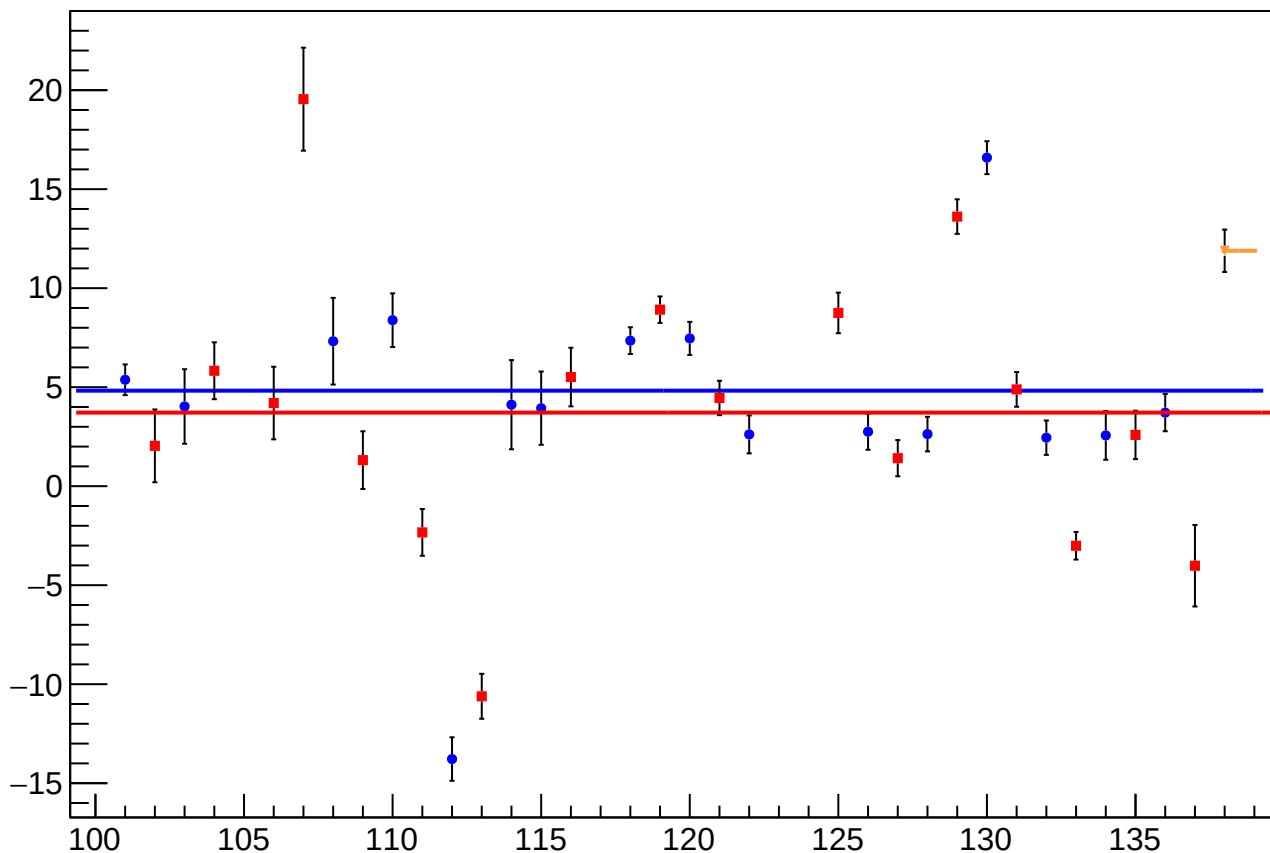
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 26.651 $\pm$ 0.385  $\chi^2$ /NDF: 1753.3/16

All: 29.378 $\pm$ 0.285  $\chi^2$ /NDF: 3479.2/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 4.824 $\pm$ 0.252  $\chi^2$ /NDF: 549.2/15

Left Out: 11.890 $\pm$ 1.070  $\chi^2$ /NDF: 0.0/0

Right Out: 3.716 $\pm$ 0.259  $\chi^2$ /NDF: 559.9/16

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

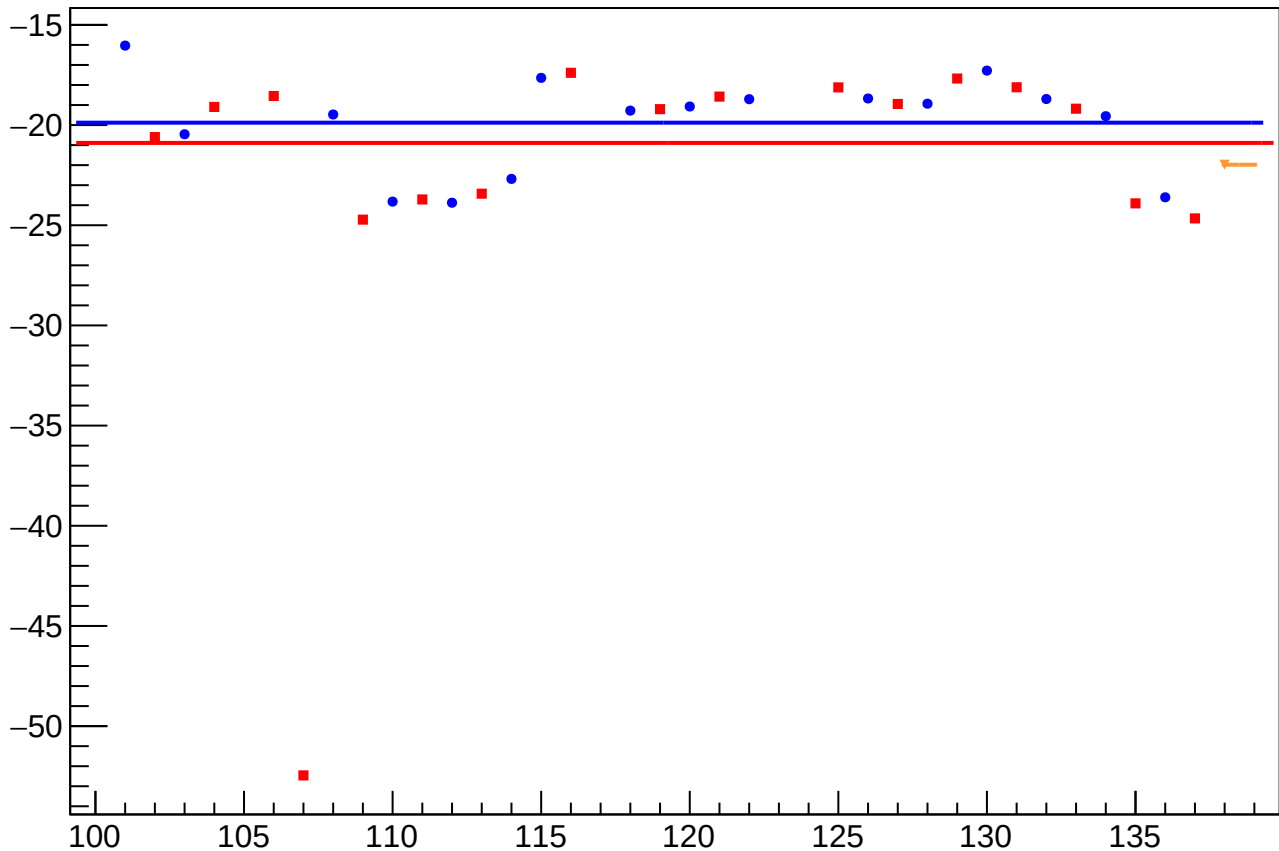
+ sign 5.194 $\pm$ 0.245  $\chi^2$ /NDF: 590.6/16

All: 4.496 $\pm$ 0.178  $\chi^2$ /NDF: 1167.7/33

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_left\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-19.880 \pm 0.016$   $\chi^2/\text{NDF}$ : 26082.0/15

Left Out:  $-21.979 \pm 0.039$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-20.891 \pm 0.016$   $\chi^2/\text{NDF}$ : 92913.6/16

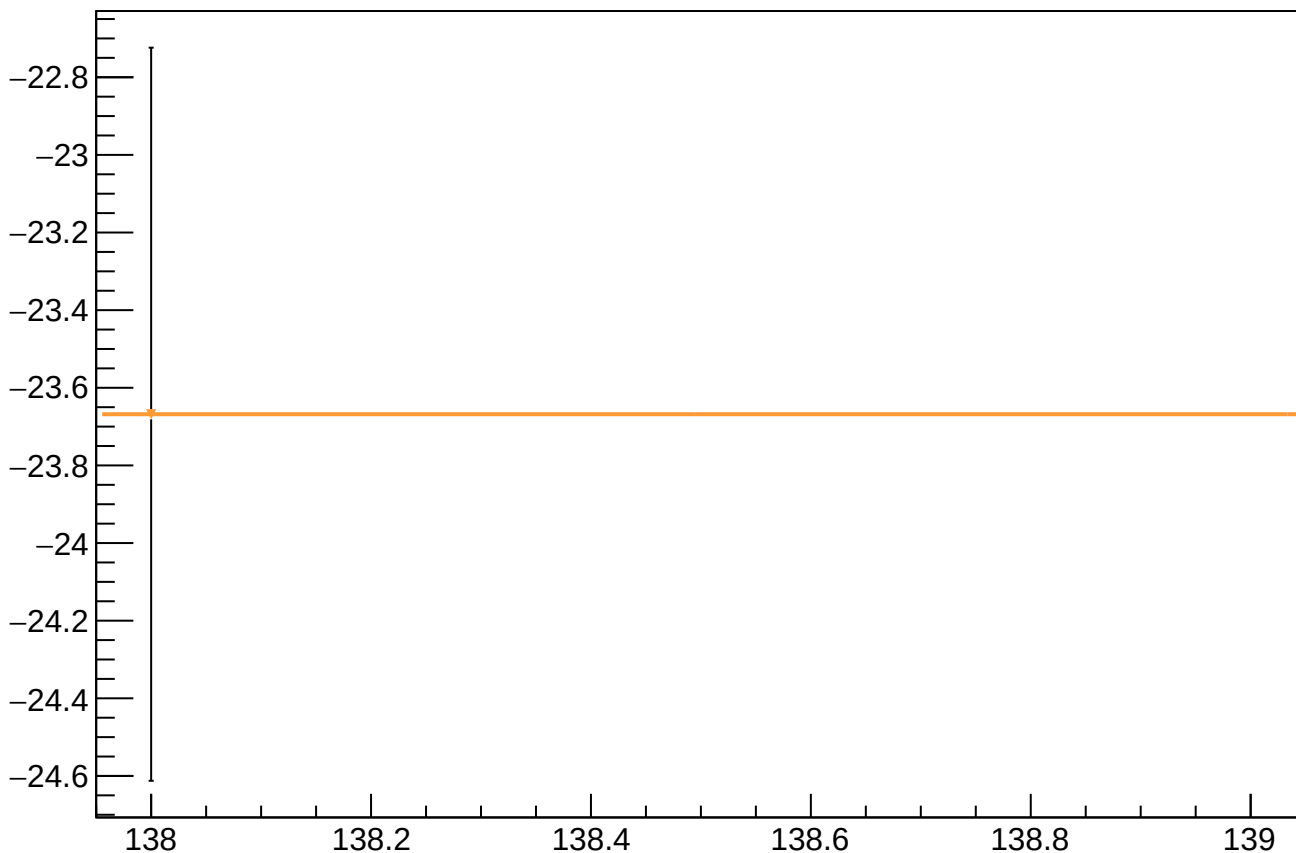
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-20.168 \pm 0.014$   $\chi^2/\text{NDF}$ : 28571.6/16

All:  $-20.499 \pm 0.011$   $\chi^2/\text{NDF}$ : 122627.5/33

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -23.668+/-0.944  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

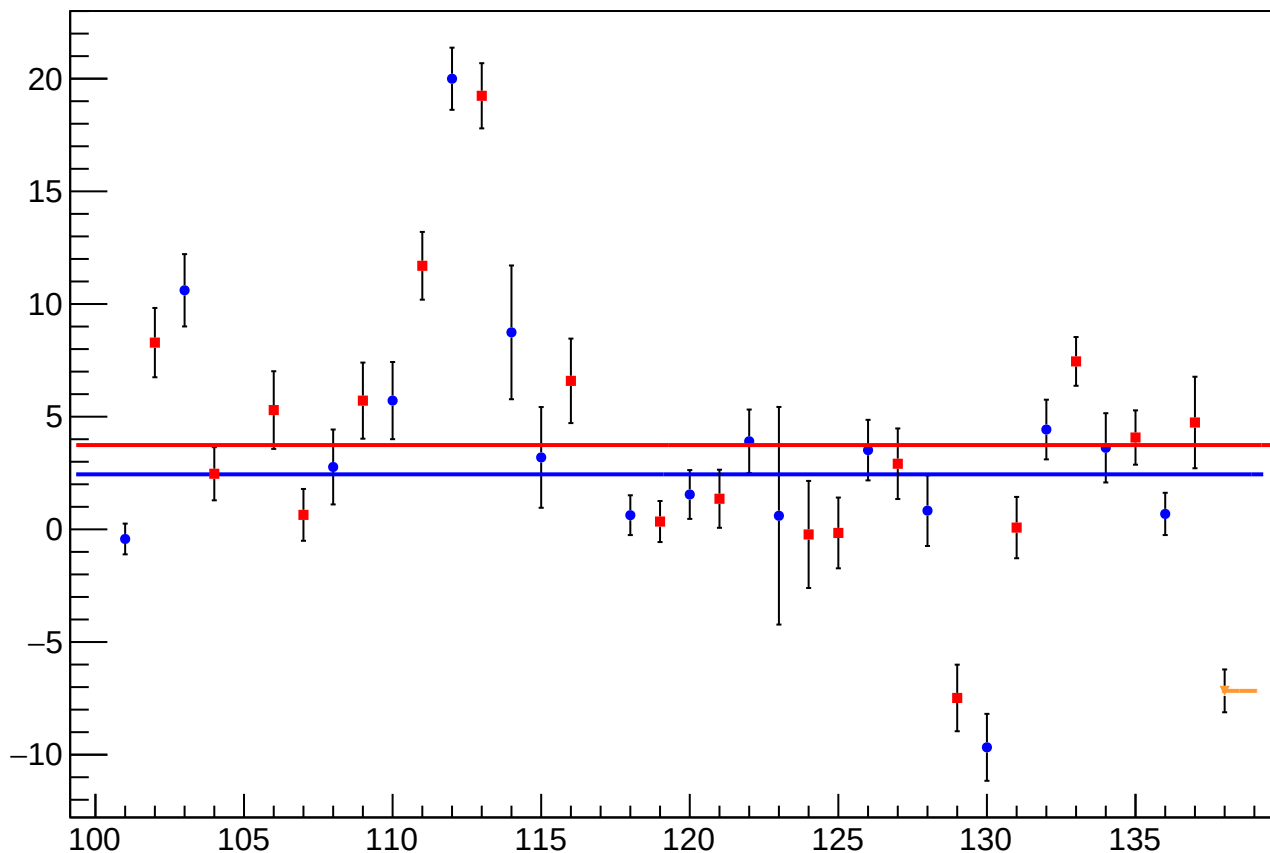
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -23.668+/-0.944  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs Slug



Right In:  $2.441 \pm 0.311$   $\chi^2/\text{NDF}$ : 294.7/16

Left Out:  $-7.167 \pm 0.950$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $3.741 \pm 0.327$   $\chi^2/\text{NDF}$ : 268.1/17

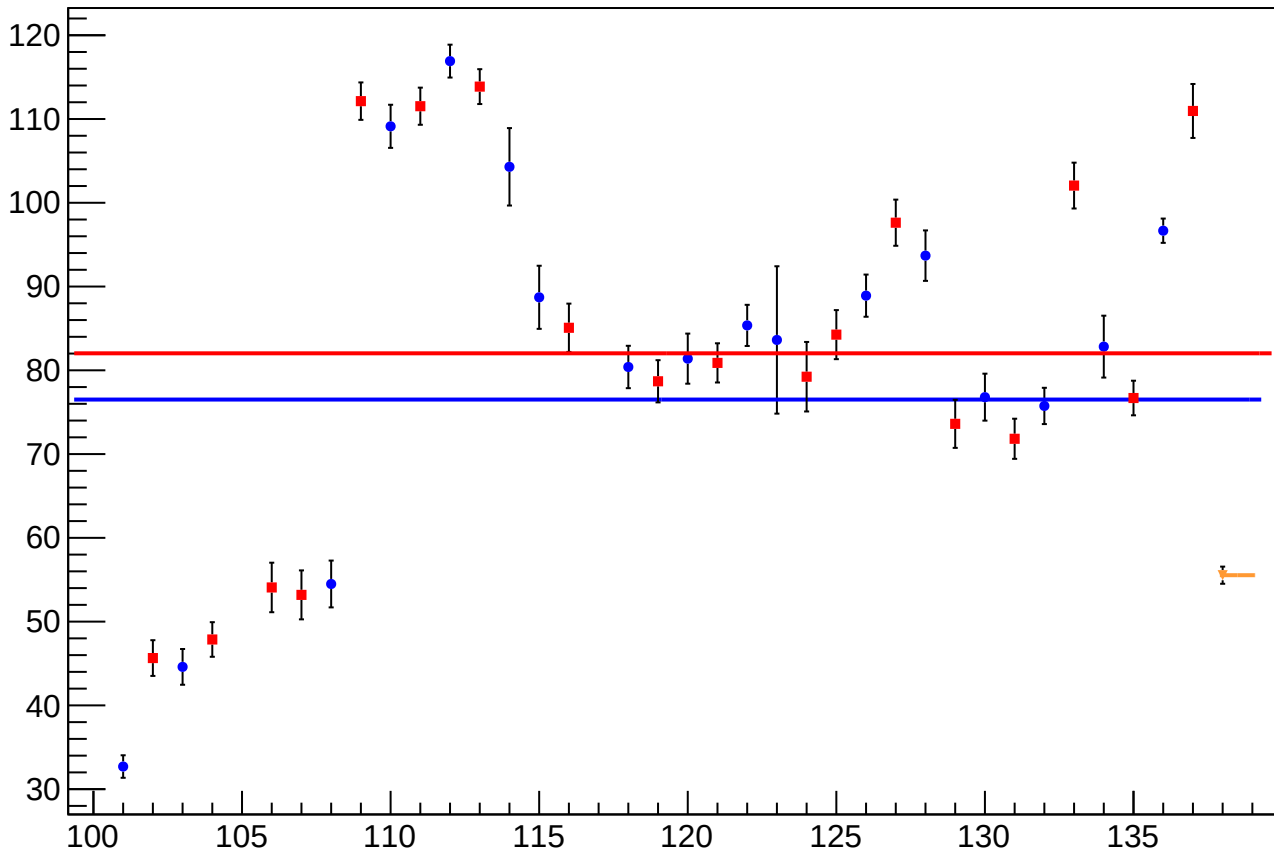
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $1.510 \pm 0.296$   $\chi^2/\text{NDF}$ : 387.0/17

All:  $2.515 \pm 0.219$   $\chi^2/\text{NDF}$ : 680.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 76.509 $\pm$ 0.574  $\chi^2$ /NDF: 2250.9/16

Left Out: 55.541 $\pm$ 1.024  $\chi^2$ /NDF: 0.0/0

Right Out: 82.029 $\pm$ 0.593  $\chi^2$ /NDF: 1548.0/17

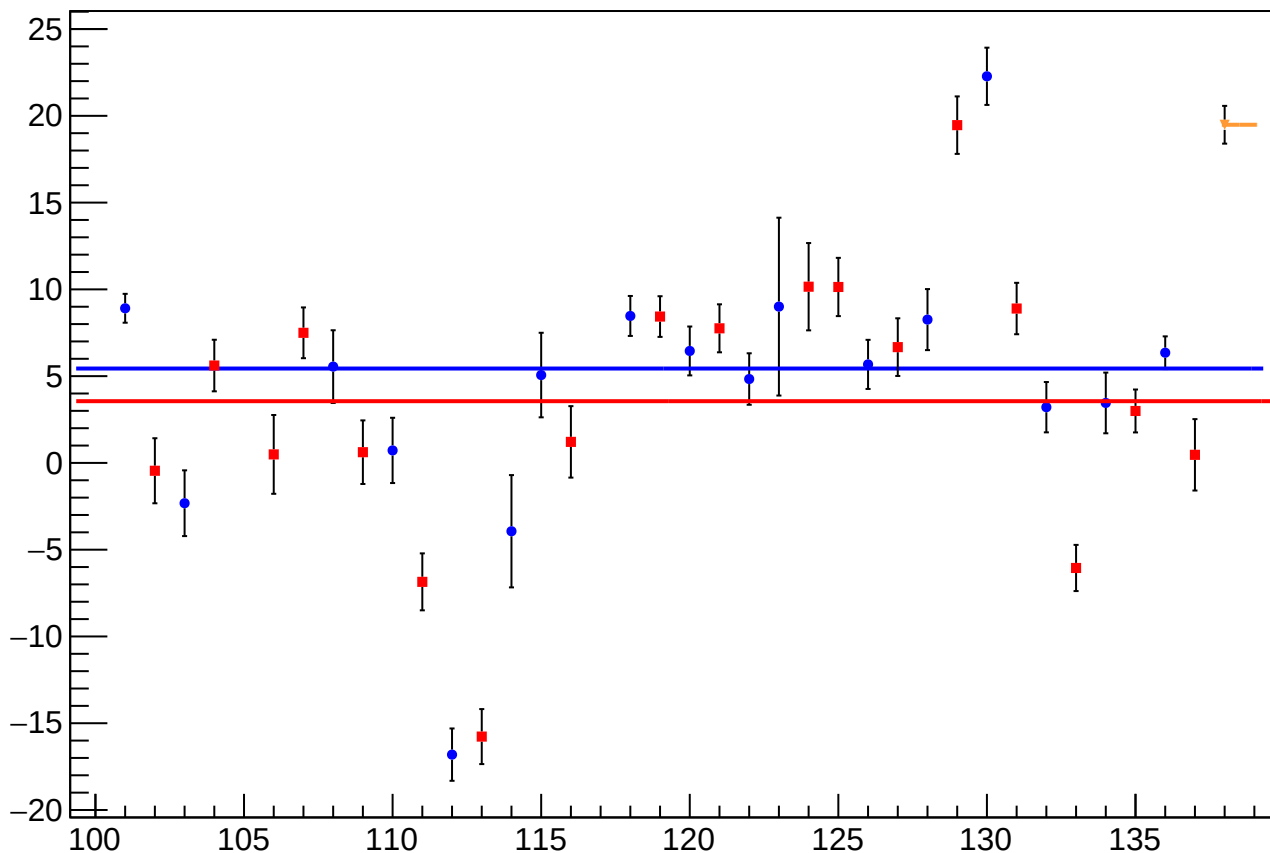
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 71.493 $\pm$ 0.501  $\chi^2$ /NDF: 2569.9/17

All: 75.882 $\pm$ 0.382  $\chi^2$ /NDF: 4302.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 5.439 $\pm$ 0.358  $\chi^2$ /NDF: 386.2/16

Left Out: 19.486 $\pm$ 1.088  $\chi^2$ /NDF: 0.0/0

Right Out: 3.557 $\pm$ 0.375  $\chi^2$ /NDF: 420.6/17

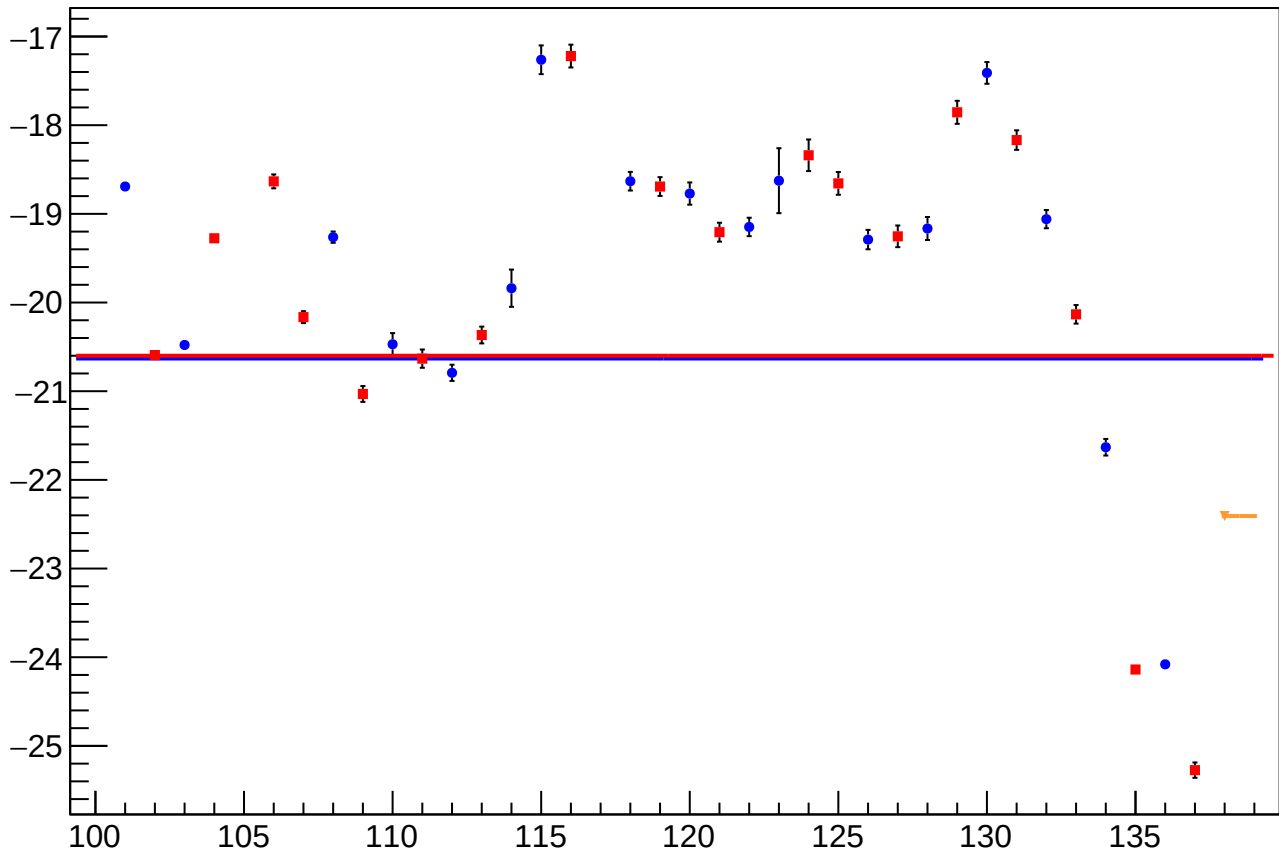
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 6.810 $\pm$ 0.340  $\chi^2$ /NDF: 536.6/17

All: 5.344 $\pm$ 0.252  $\chi^2$ /NDF: 998.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-20.631 \pm 0.019$   $\chi^2/\text{NDF}$ : 12501.6/16

Left Out:  $-22.408 \pm 0.040$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-20.600 \pm 0.019$   $\chi^2/\text{NDF}$ : 11973.7/17

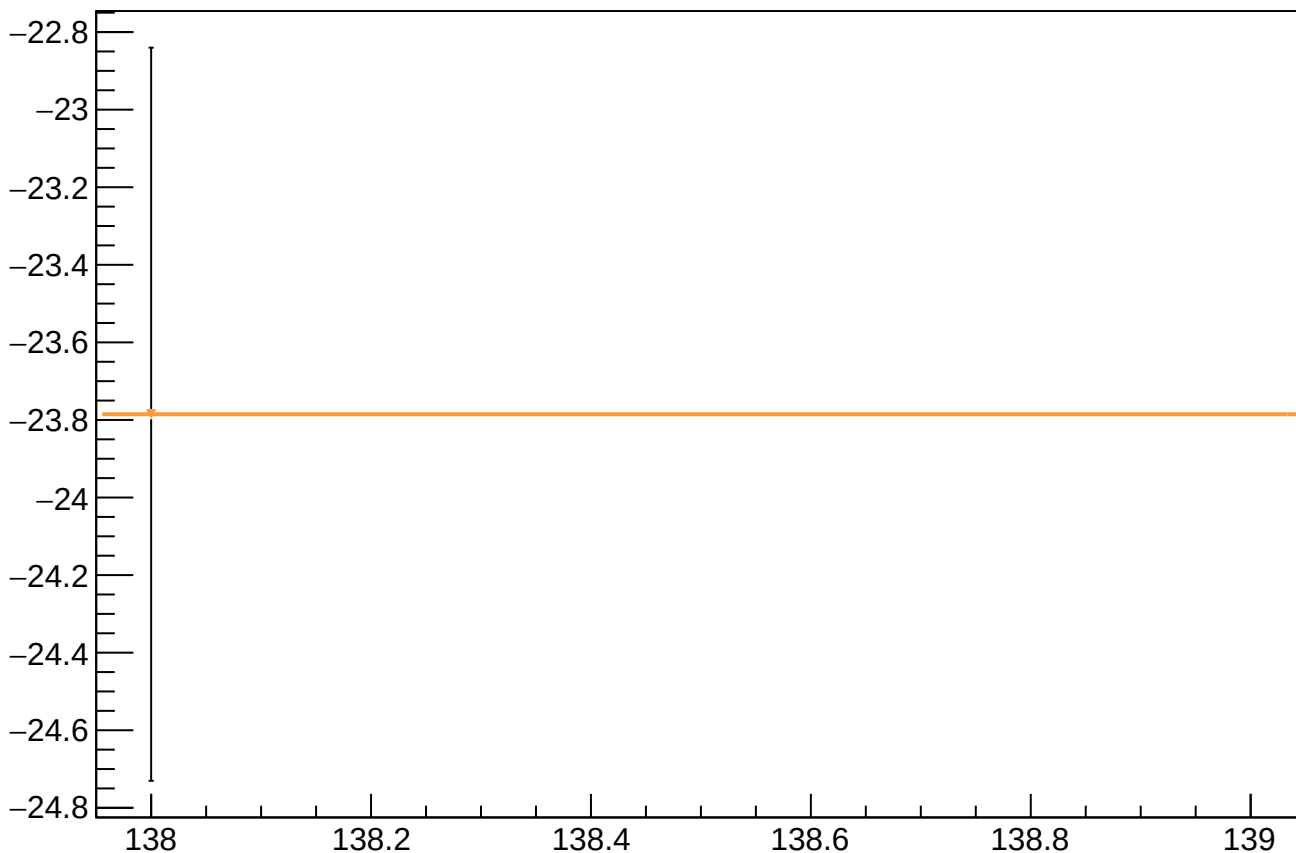
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-20.961 \pm 0.017$   $\chi^2/\text{NDF}$ : 14072.6/17

All:  $-20.800 \pm 0.013$   $\chi^2/\text{NDF}$ : 26236.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_right\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -23.785+/-0.945  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

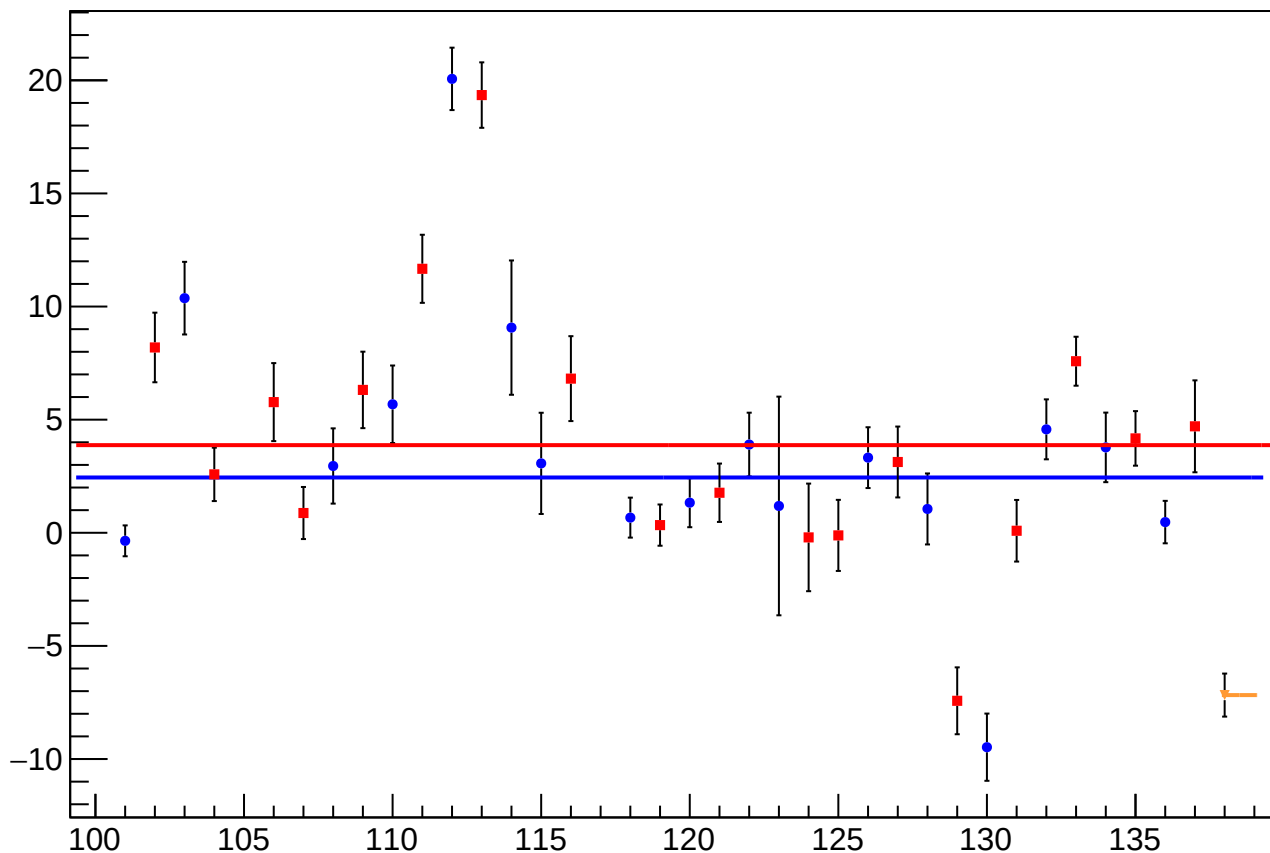
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -23.785+/-0.945  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 2.444 $\pm$ 0.312  $\chi^2$ /NDF: 292.7/16

Left Out: -7.174 $\pm$ 0.951  $\chi^2$ /NDF: 0.0/0

Right Out: 3.874 $\pm$ 0.327  $\chi^2$ /NDF: 268.3/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

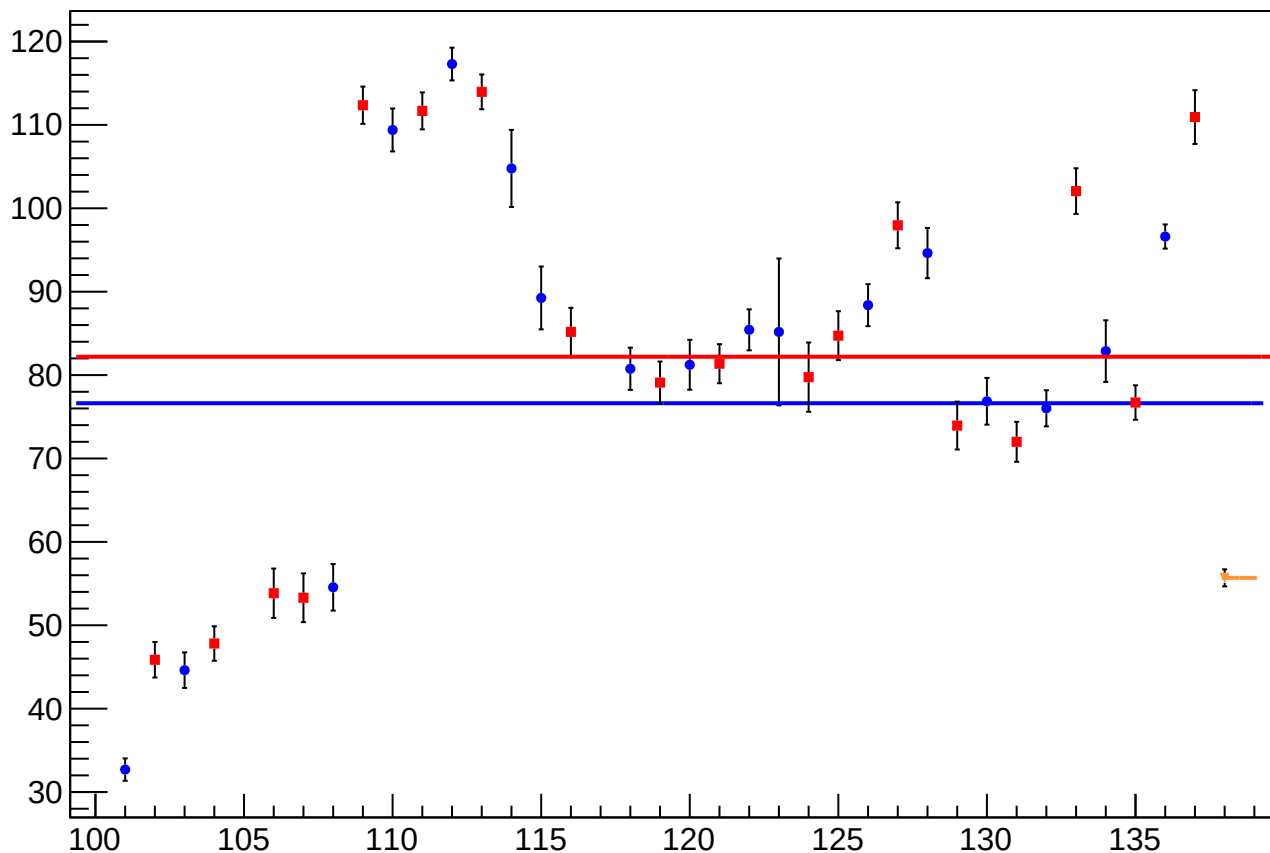
+ sign 1.512 $\pm$ 0.296  $\chi^2$ /NDF: 385.0/17

All: 2.577 $\pm$ 0.219  $\chi^2$ /NDF: 682.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 76.626 $\pm$ 0.574  $\chi^2$ /NDF: 2262.8/16

Left Out: 55.686 $\pm$ 1.025  $\chi^2$ /NDF: 0.0/0

Right Out: 82.201 $\pm$ 0.593  $\chi^2$ /NDF: 1550.2/17

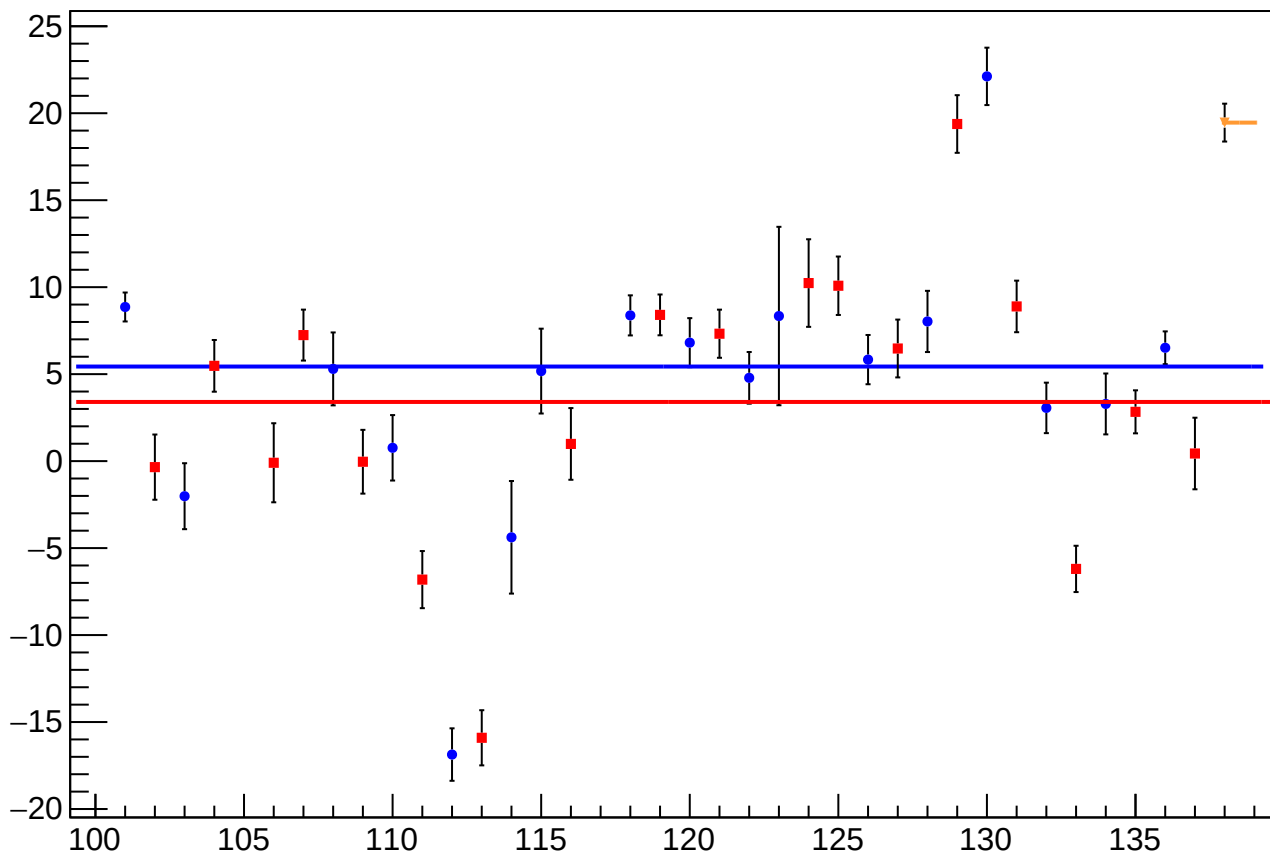
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 71.618 $\pm$ 0.501  $\chi^2$ /NDF: 2580.6/17

All: 76.027 $\pm$ 0.383  $\chi^2$ /NDF: 4316.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 5.437 $\pm$ 0.358  $\chi^2$ /NDF: 384.5/16

Left Out: 19.460 $\pm$ 1.089  $\chi^2$ /NDF: 0.0/0

Right Out: 3.401 $\pm$ 0.375  $\chi^2$ /NDF: 420.9/17

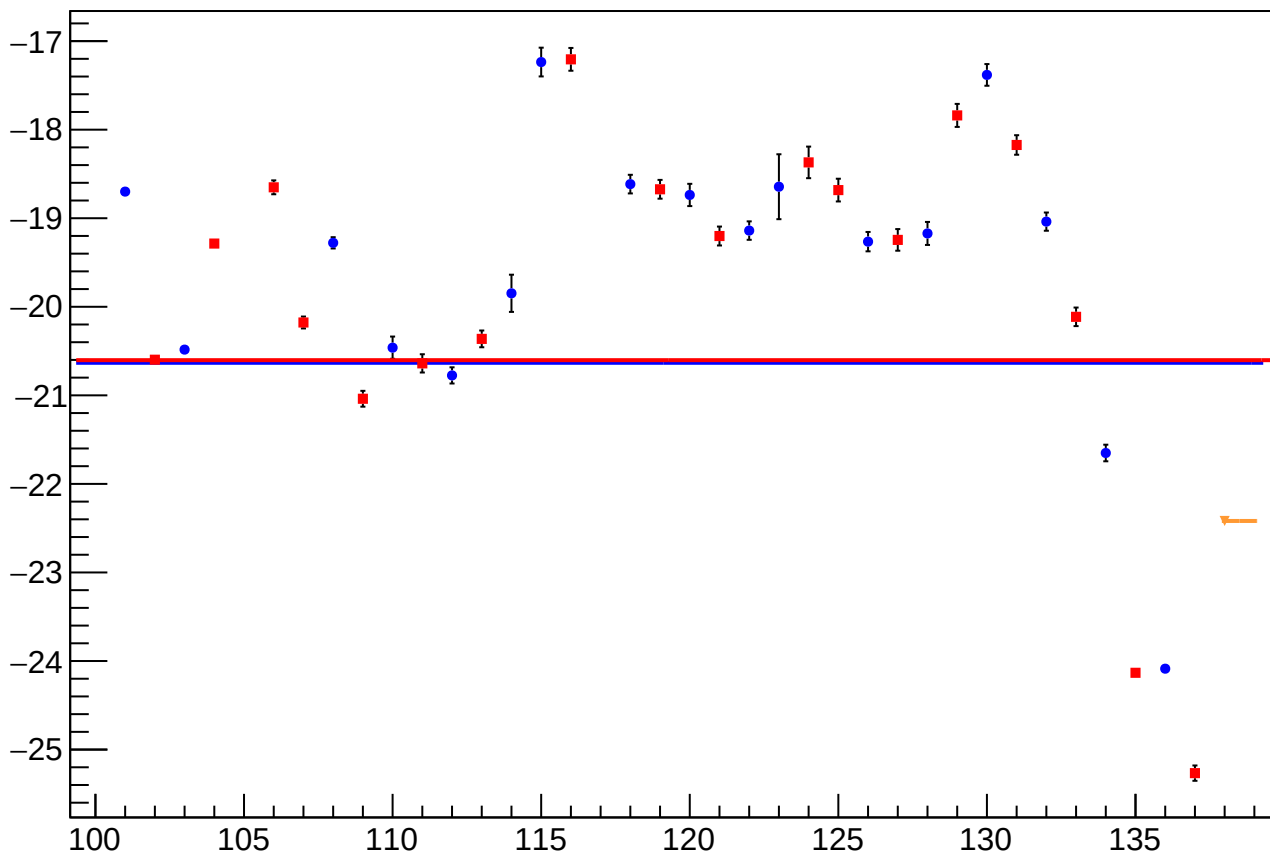
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 6.806 $\pm$ 0.340  $\chi^2$ /NDF: 534.2/17

All: 5.271 $\pm$ 0.252  $\chi^2$ /NDF: 1000.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-20.632 \pm 0.019$   $\chi^2/\text{NDF}$ : 12543.2/16

Left Out:  $-22.419 \pm 0.040$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-20.603 \pm 0.019$   $\chi^2/\text{NDF}$ : 11925.8/17

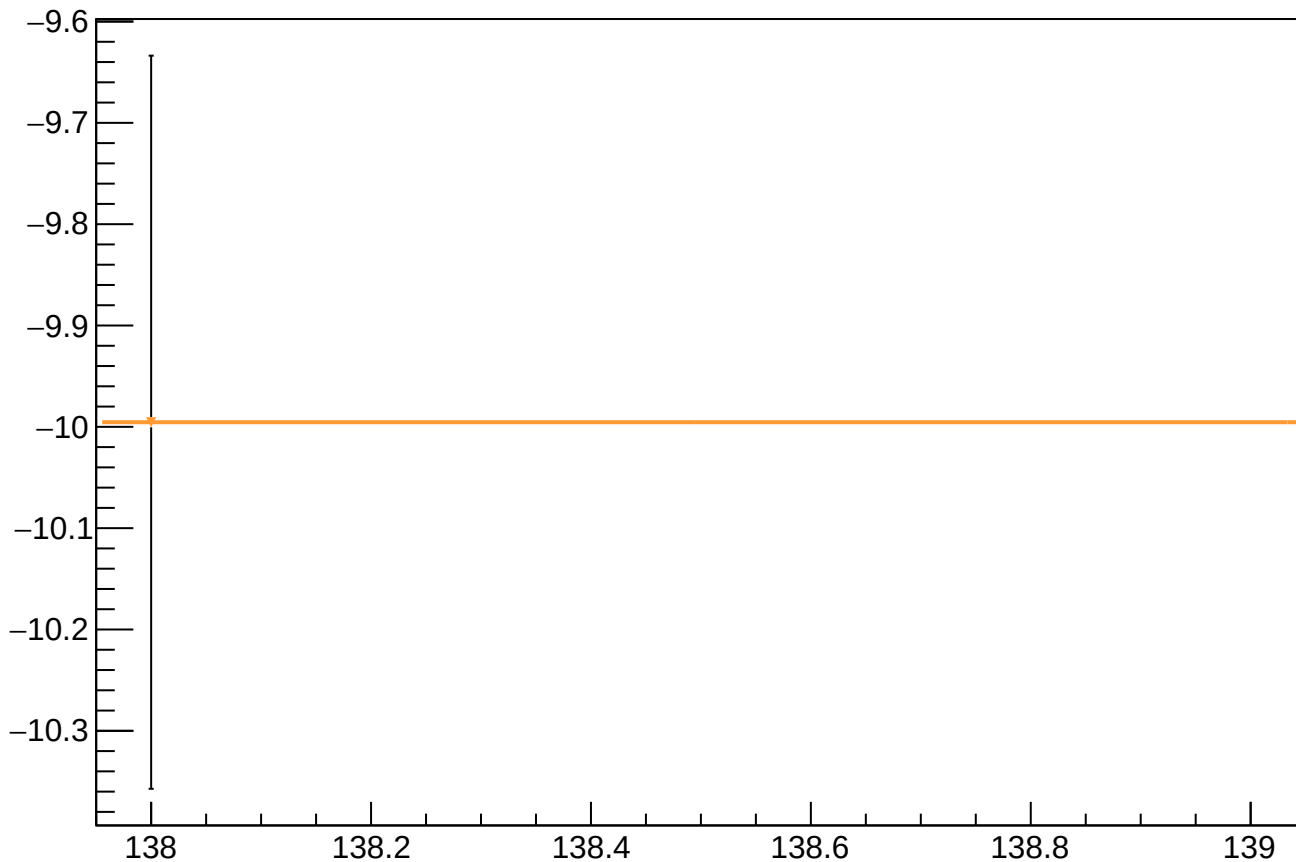
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-20.963 \pm 0.017$   $\chi^2/\text{NDF}$ : 14129.4/17

All:  $-20.803 \pm 0.013$   $\chi^2/\text{NDF}$ : 26245.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left Out:  $-9.995 \pm 0.362$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

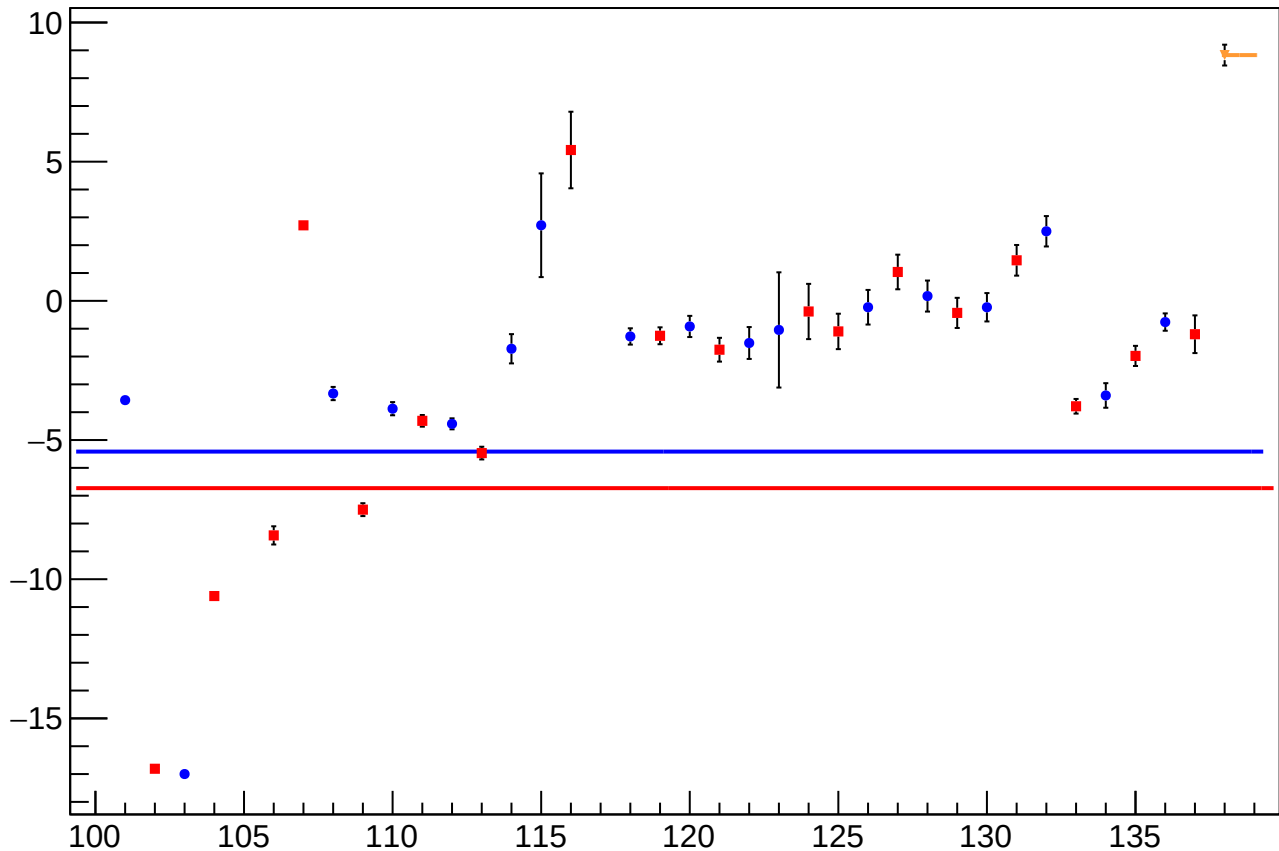
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-9.995 \pm 0.362$   $\chi^2/\text{NDF}$ : 0.0/0

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: -5.415+/-0.055  $\chi^2/\text{NDF}$ : 9255.1/16

Left Out: 8.829+/-0.374  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.729+/-0.060  $\chi^2/\text{NDF}$ : 11217.0/17

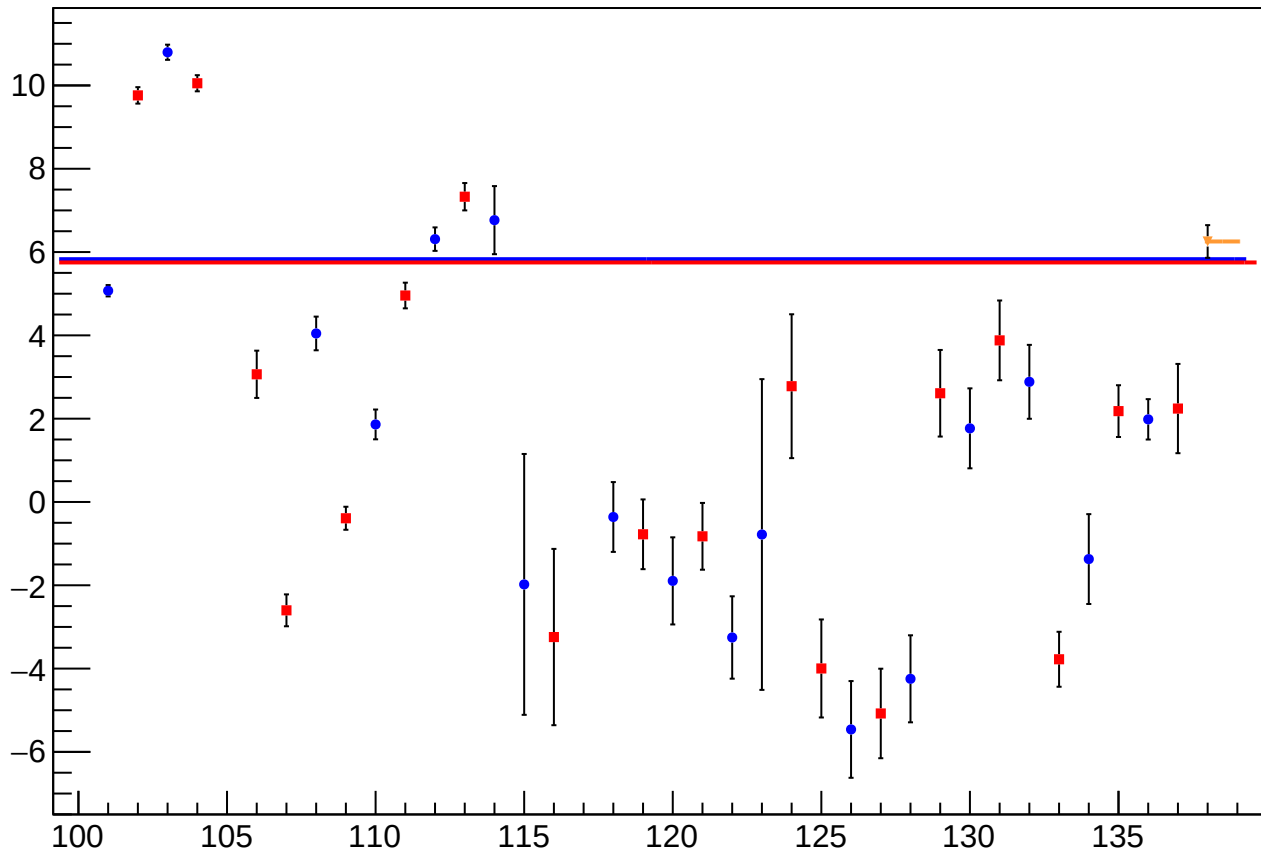
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -5.117+/-0.054  $\chi^2/\text{NDF}$ : 10672.7/17

All: -5.843+/-0.040  $\chi^2/\text{NDF}$ : 22288.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 5.829 $\pm$ 0.090  $\chi^2$ /NDF: 1448.3/16

Left Out: 6.254 $\pm$ 0.392  $\chi^2$ /NDF: 0.0/0

Right Out: 5.750 $\pm$ 0.096  $\chi^2$ /NDF: 2511.0/17

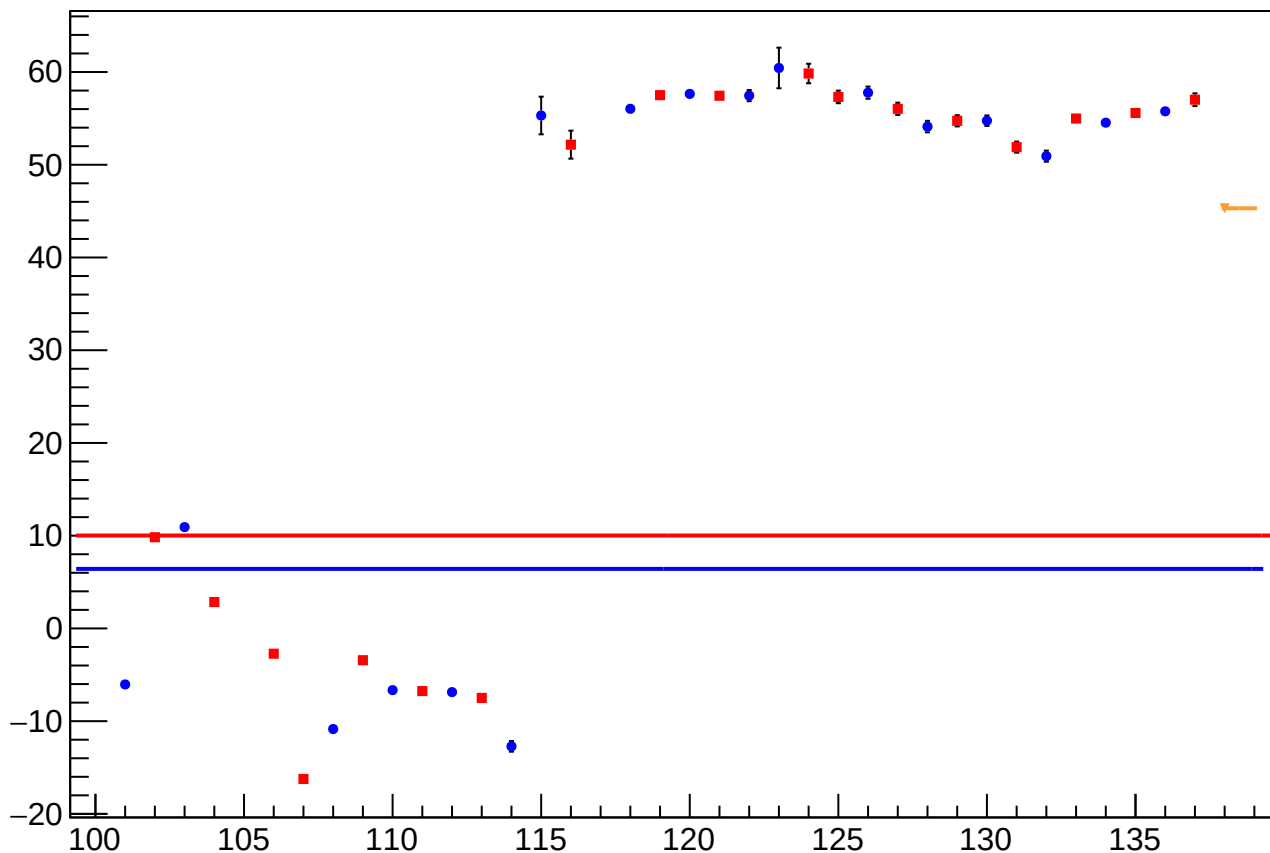
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 5.850 $\pm$ 0.087  $\chi^2$ /NDF: 1449.4/17

All: 5.805 $\pm$ 0.065  $\chi^2$ /NDF: 3961.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 6.421+/-0.065  $\chi^2/\text{NDF}$ : 123109.7/16

Left Out: 45.306+/-0.425  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.019+/-0.071  $\chi^2/\text{NDF}$ : 122082.4/17

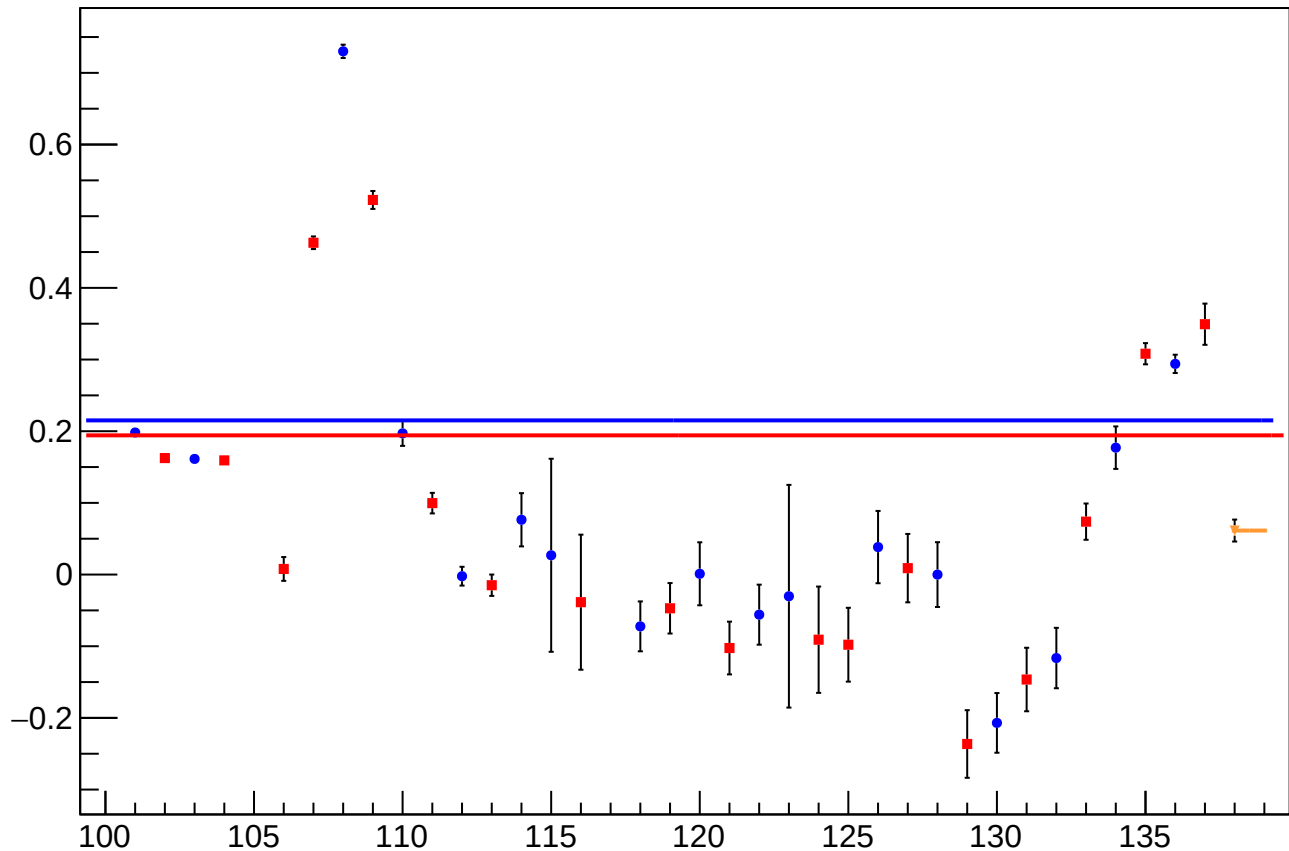
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 7.304+/-0.064  $\chi^2/\text{NDF}$ : 131306.9/17

All: 8.526+/-0.047  $\chi^2/\text{NDF}$ : 254199.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $0.215 \pm 0.003$   $\chi^2/\text{NDF}$ : 3927.2/16

Left Out:  $0.061 \pm 0.015$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.194 \pm 0.003$   $\chi^2/\text{NDF}$ : 2520.1/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

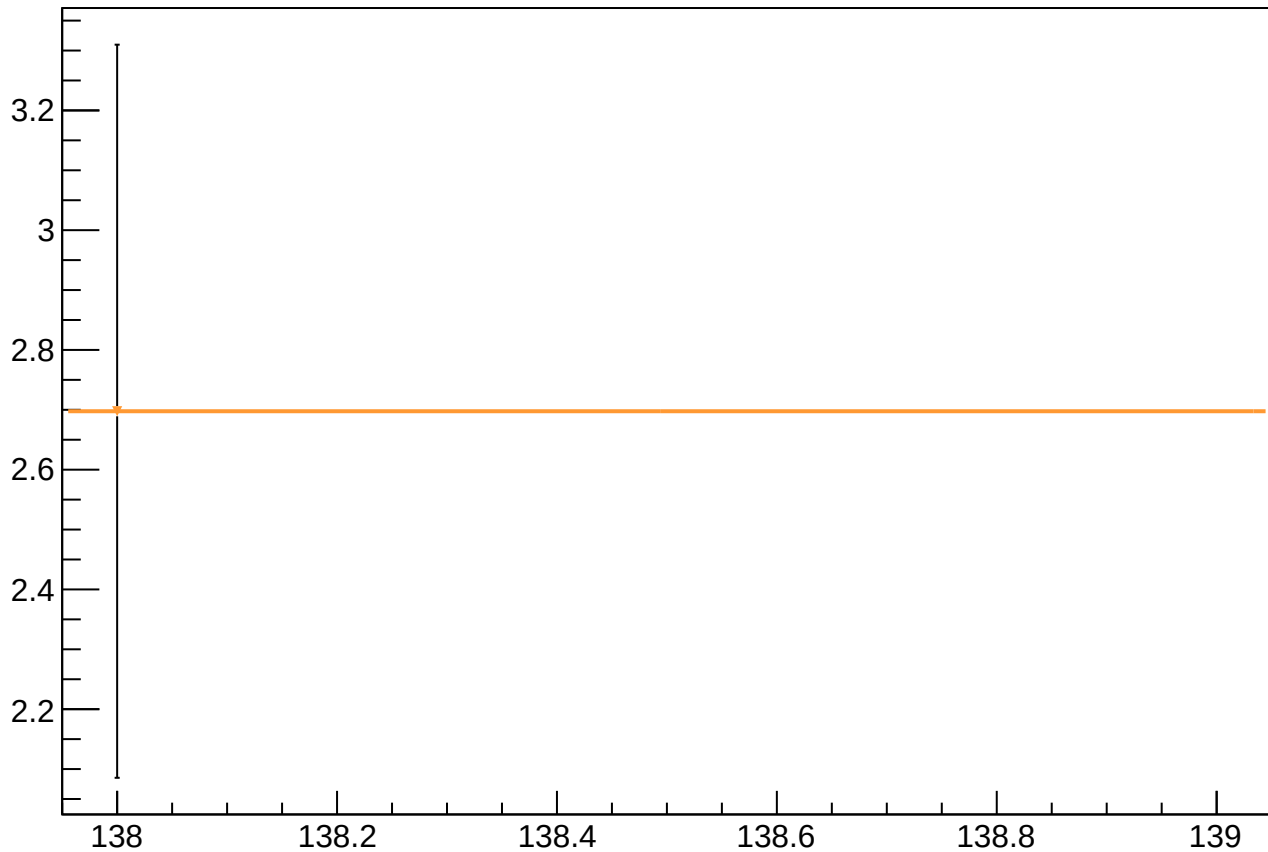
+ sign  $0.210 \pm 0.003$   $\chi^2/\text{NDF}$ : 4024.7/17

All:  $0.202 \pm 0.002$   $\chi^2/\text{NDF}$ : 6561.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_sam\_15\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2.698+/-0.612  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

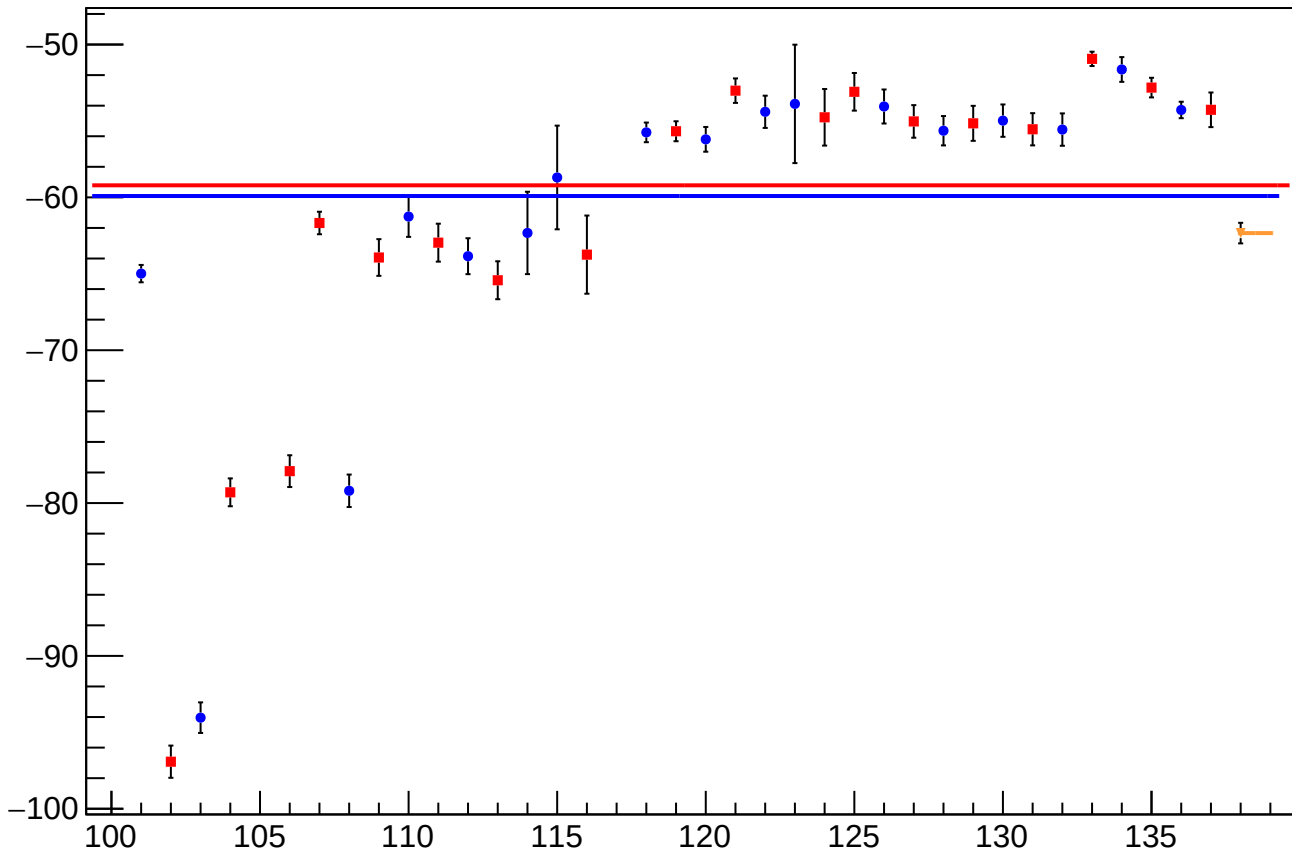
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.698+/-0.612  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-59.911 \pm 0.223$   $\chi^2/\text{NDF}$ : 1980.8/16

Left Out:  $-62.337 \pm 0.673$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-59.212 \pm 0.212$   $\chi^2/\text{NDF}$ : 2742.9/17

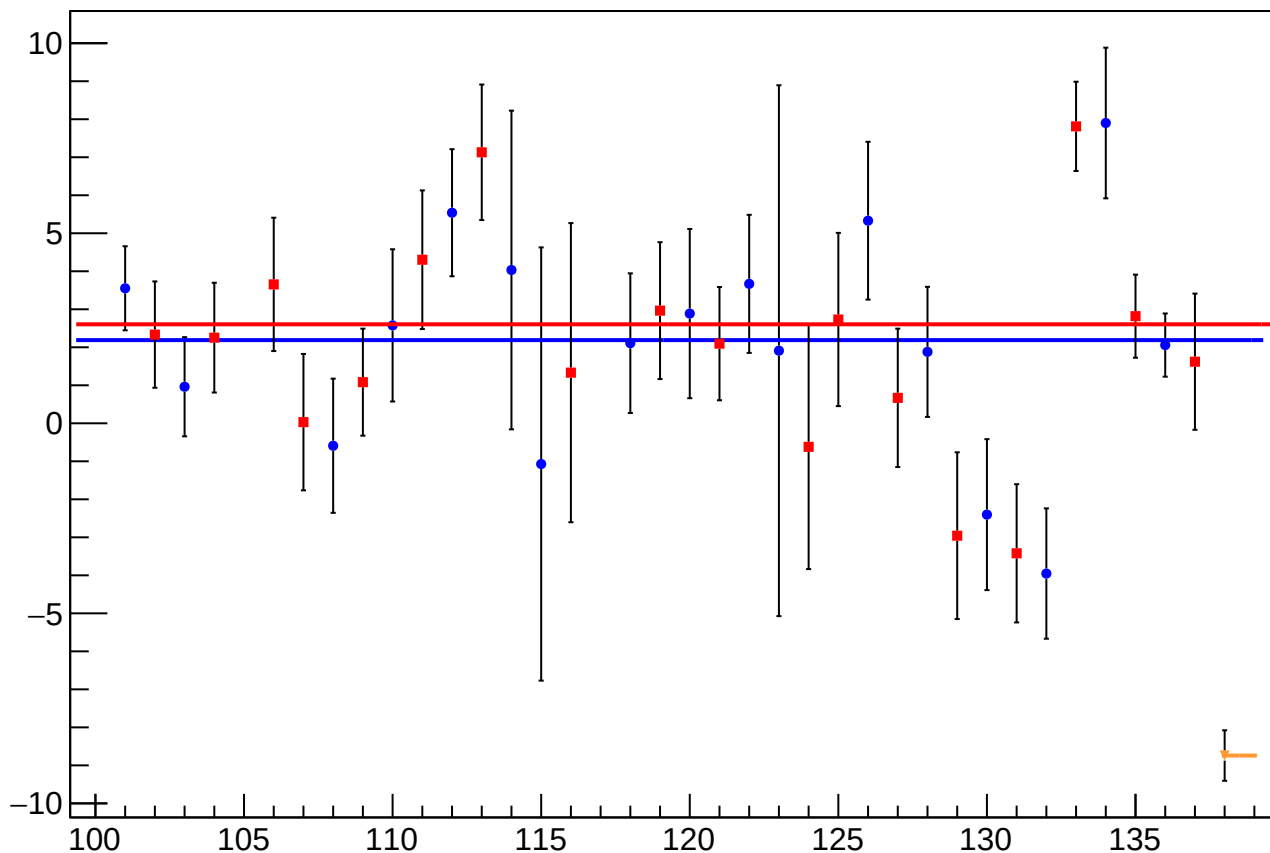
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-60.151 \pm 0.212$   $\chi^2/\text{NDF}$ : 1992.5/17

All:  $-59.682 \pm 0.150$   $\chi^2/\text{NDF}$ : 4745.2/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 2.189 $\pm$ 0.405  $\chi^2$ /NDF: 39.1/16

Left Out: -8.742 $\pm$ 0.664  $\chi^2$ /NDF: 0.0/0

Right Out: 2.605 $\pm$ 0.391  $\chi^2$ /NDF: 50.8/17

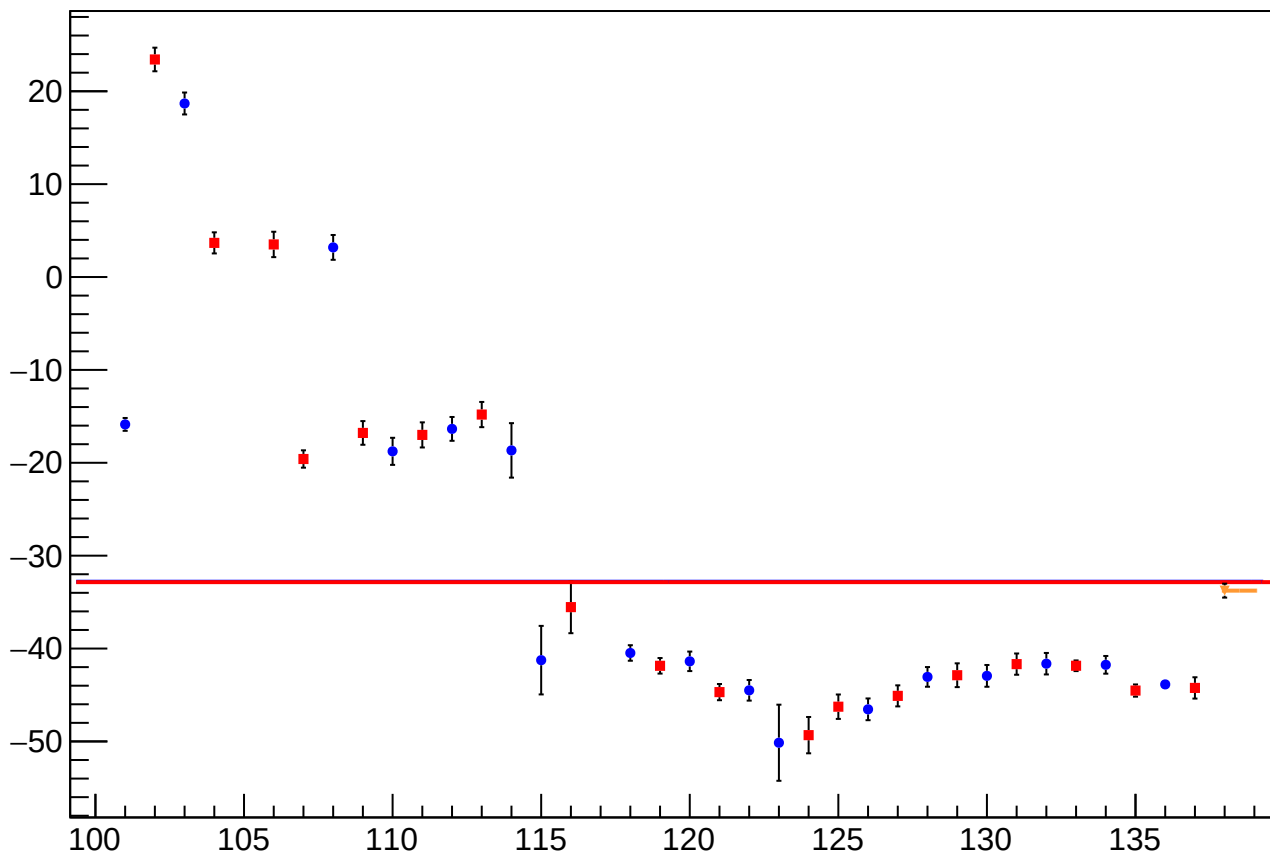
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -0.768 $\pm$ 0.346  $\chi^2$ /NDF: 236.6/17

All: 0.711 $\pm$ 0.259  $\chi^2$ /NDF: 329.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-32.806 \pm 0.254$   $\chi^2/\text{NDF}$ : 4662.8/16

Left Out:  $-33.766 \pm 0.751$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-32.850 \pm 0.244$   $\chi^2/\text{NDF}$ : 5750.3/17

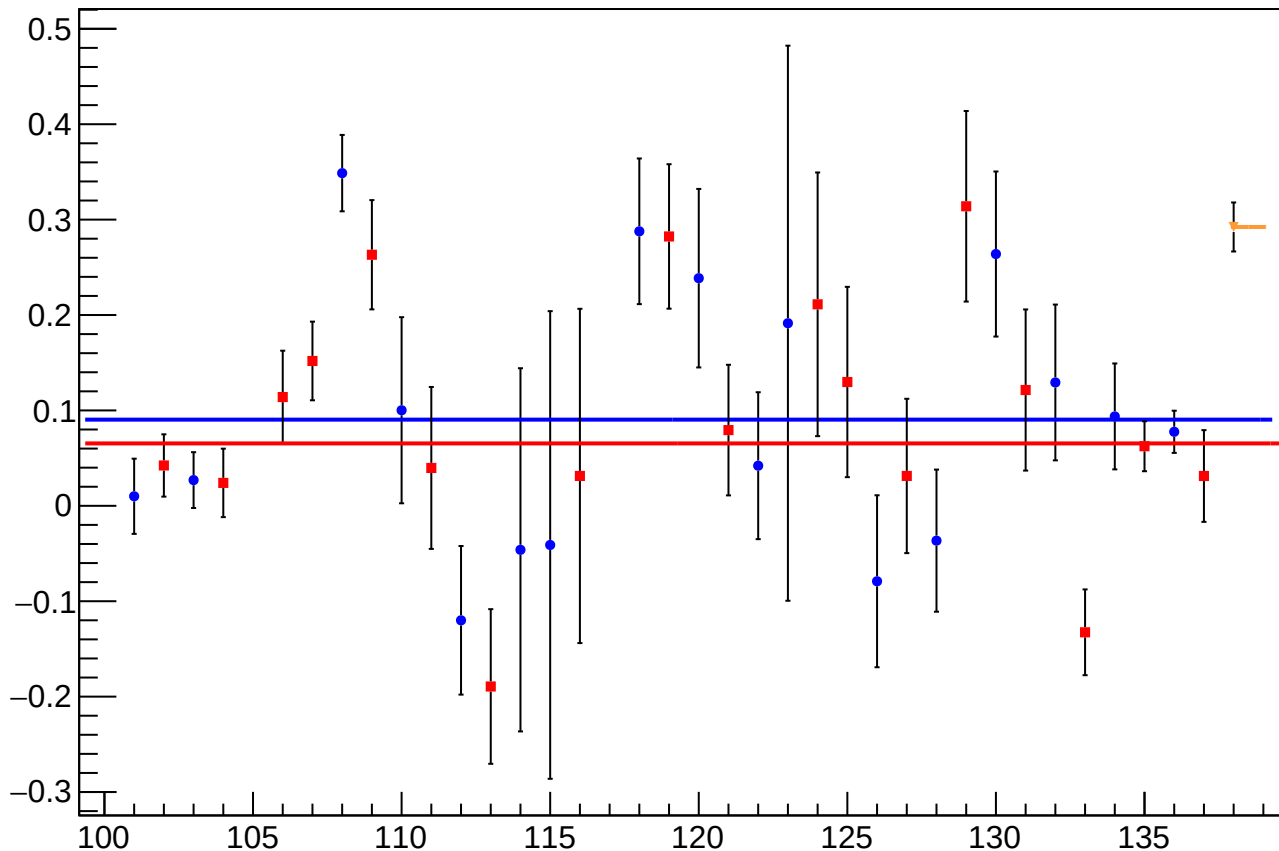
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-32.905 \pm 0.241$   $\chi^2/\text{NDF}$ : 4664.3/17

All:  $-32.878 \pm 0.172$   $\chi^2/\text{NDF}$ : 10414.6/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_15\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.090 $\pm$ 0.013  $\chi^2$ /NDF: 79.4/16

Left Out: 0.292 $\pm$ 0.026  $\chi^2$ /NDF: 0.0/0

Right Out: 0.065 $\pm$ 0.012  $\chi^2$ /NDF: 65.7/17

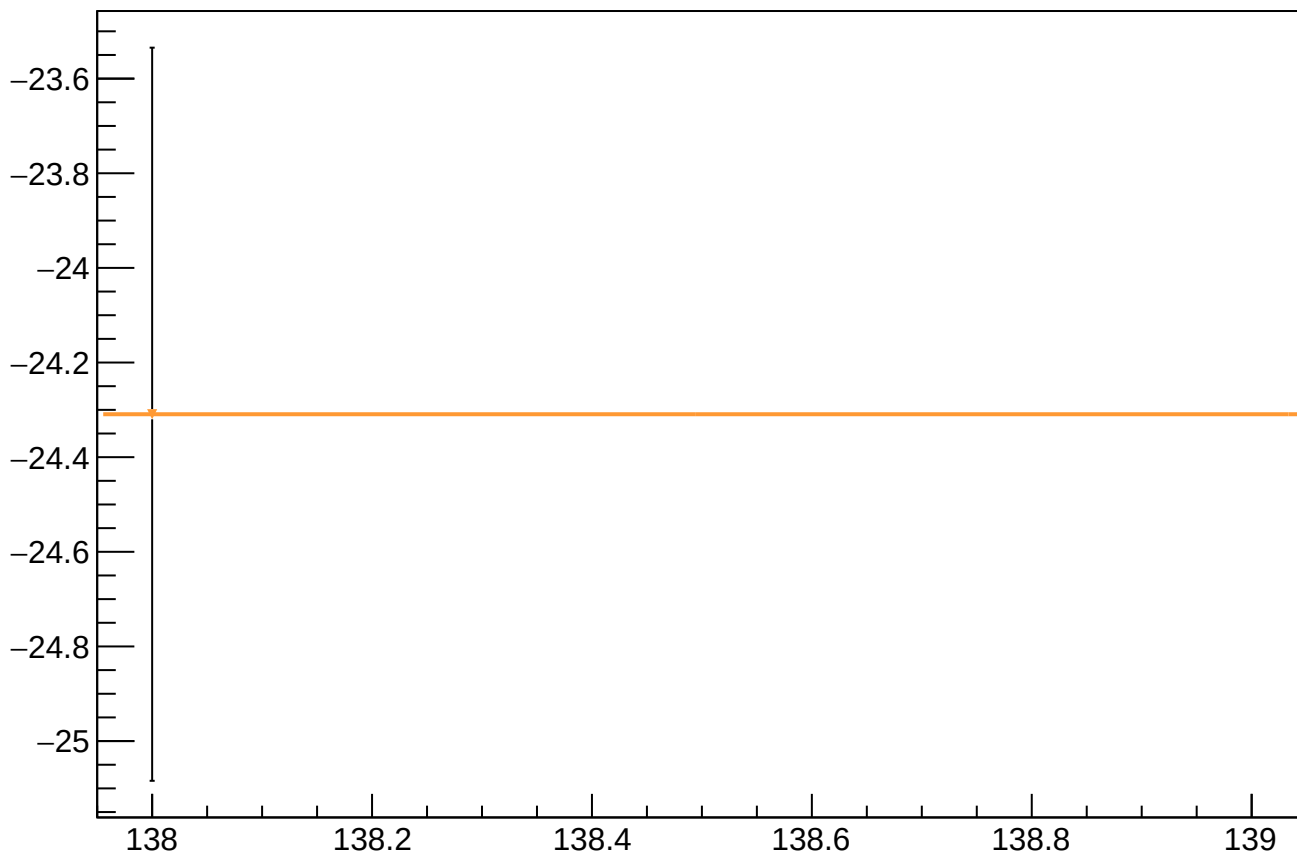
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.130 $\pm$ 0.011  $\chi^2$ /NDF: 129.0/17

All: 0.100 $\pm$ 0.008  $\chi^2$ /NDF: 209.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -24.309+/-0.775  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

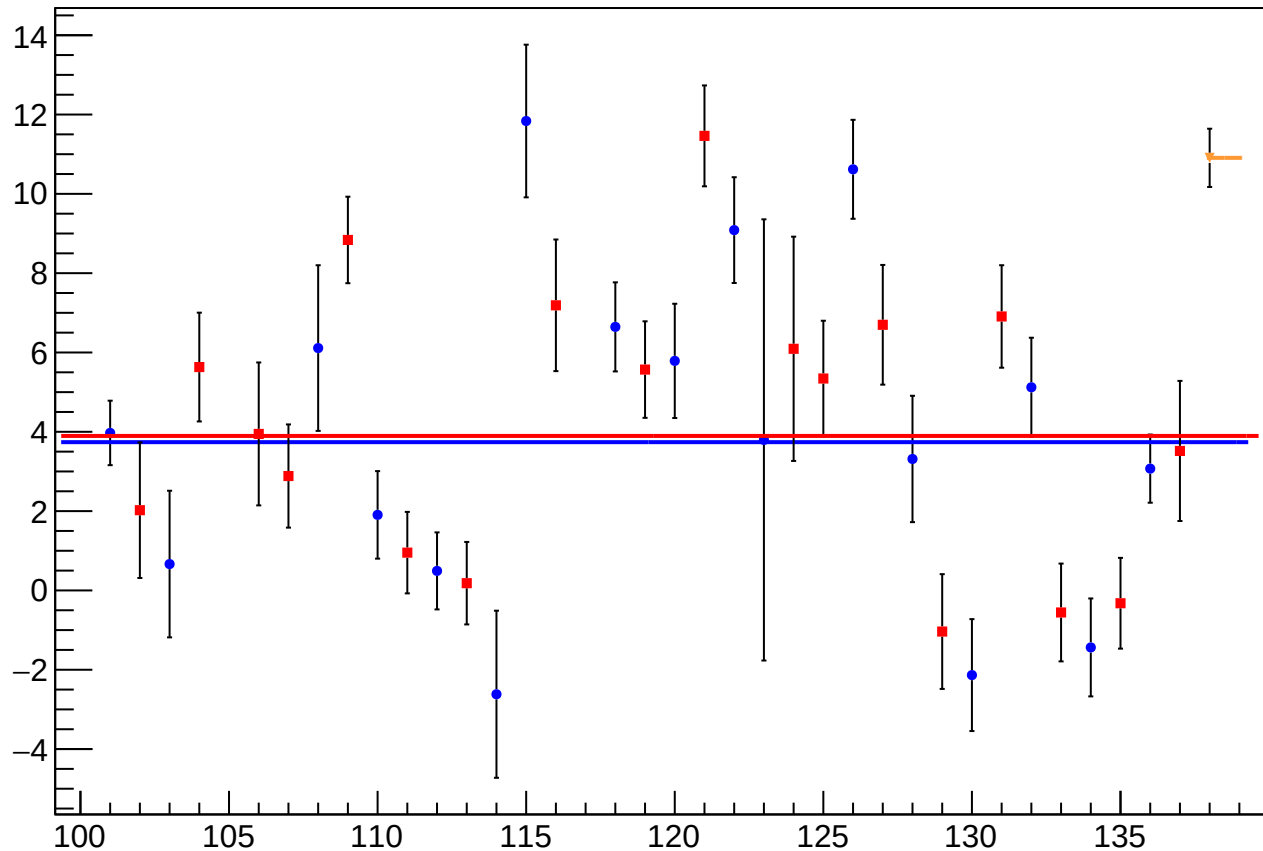
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -24.309+/-0.775  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 3.739+/-0.309  $\chi^2/\text{NDF}$ : 136.9/16

Left Out: 10.908+/-0.735  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.896+/-0.316  $\chi^2/\text{NDF}$ : 134.9/17

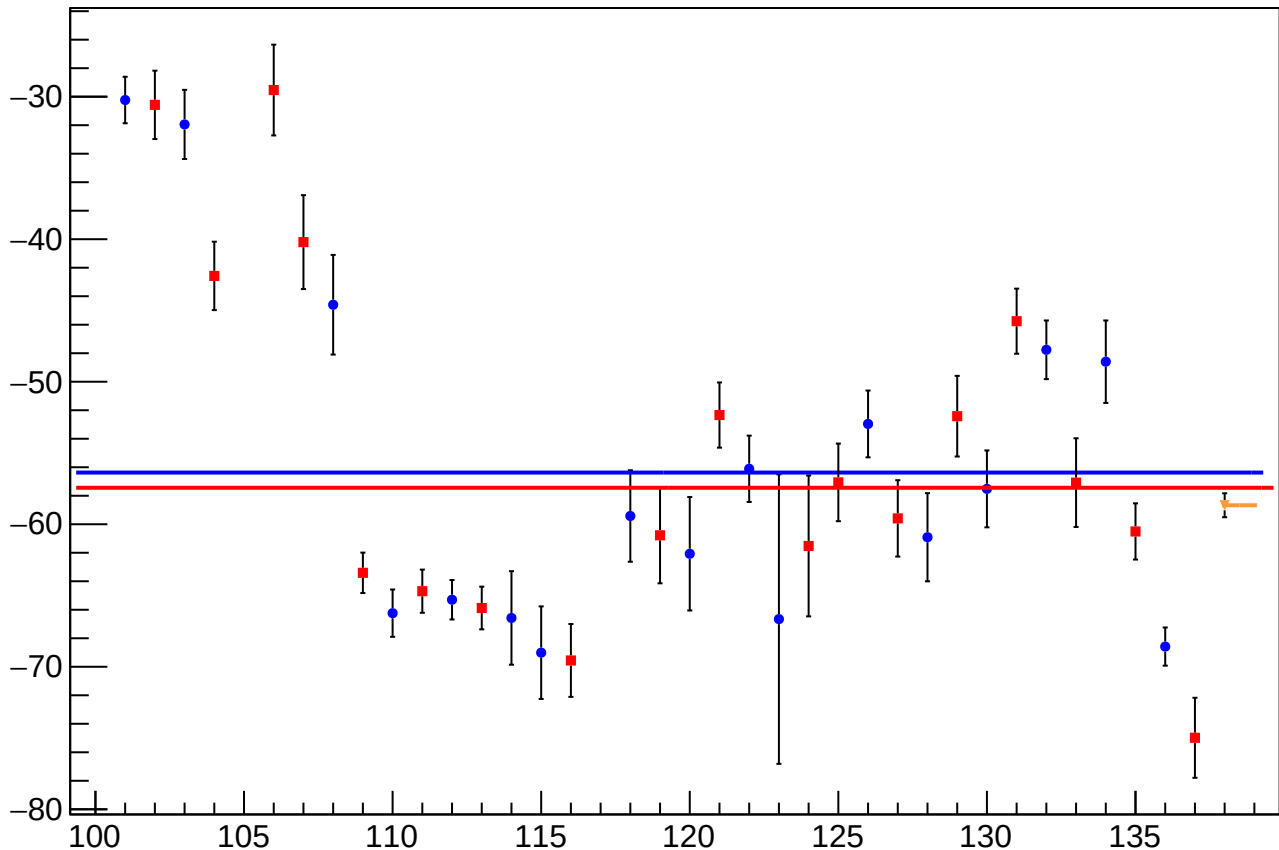
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 4.817+/-0.285  $\chi^2/\text{NDF}$ : 217.8/17

All: 4.404+/-0.212  $\chi^2/\text{NDF}$ : 357.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -56.373 $\pm$ 0.543  $\chi^2$ /NDF: 587.6/16

Left Out: -58.668 $\pm$ 0.839  $\chi^2$ /NDF: 0.0/0

Right Out: -57.440 $\pm$ 0.537  $\chi^2$ /NDF: 441.0/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

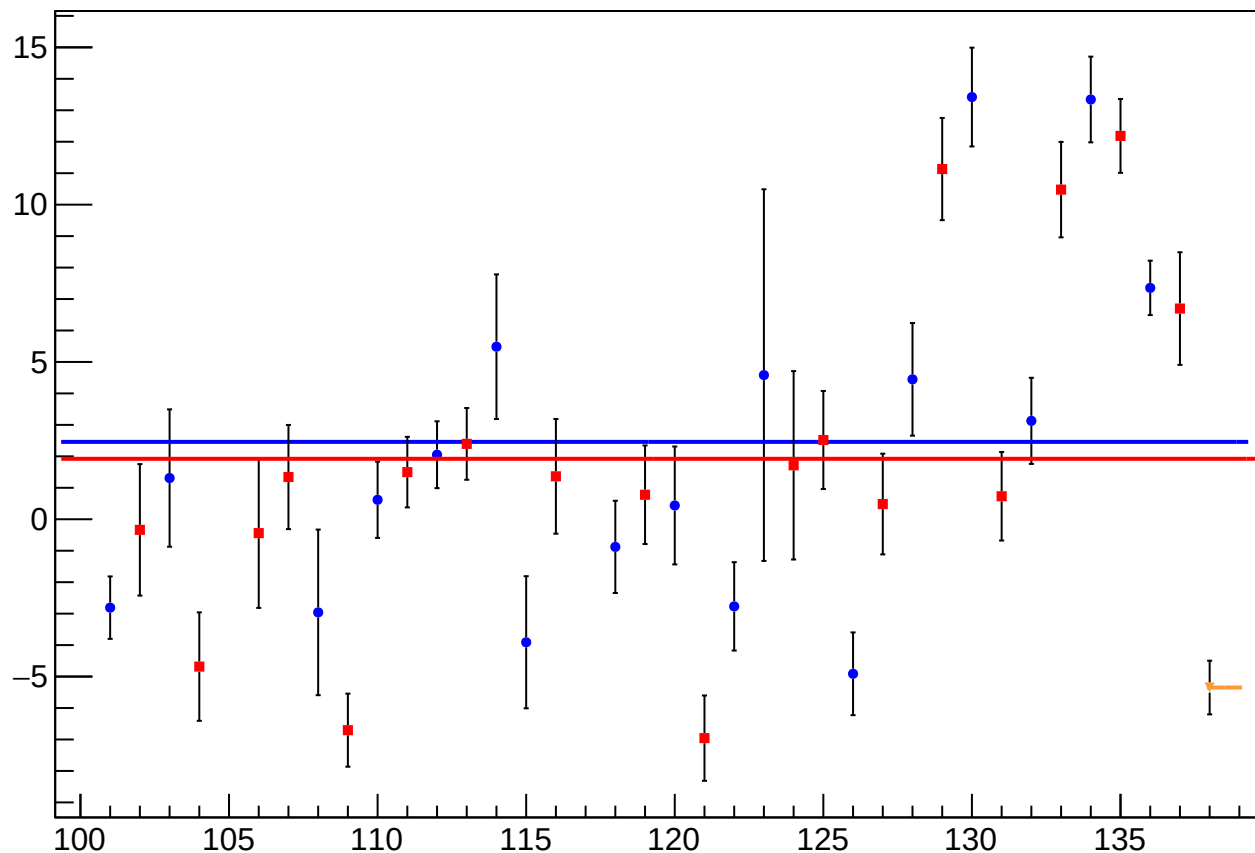
+ sign -57.050 $\pm$ 0.456  $\chi^2$ /NDF: 592.9/17

All: -57.213 $\pm$ 0.348  $\chi^2$ /NDF: 1034.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 2.460 $\pm$ 0.346  $\chi^2$ /NDF: 243.9/16

Left Out: -5.349 $\pm$ 0.853  $\chi^2$ /NDF: 0.0/0

Right Out: 1.922 $\pm$ 0.355  $\chi^2$ /NDF: 265.1/17

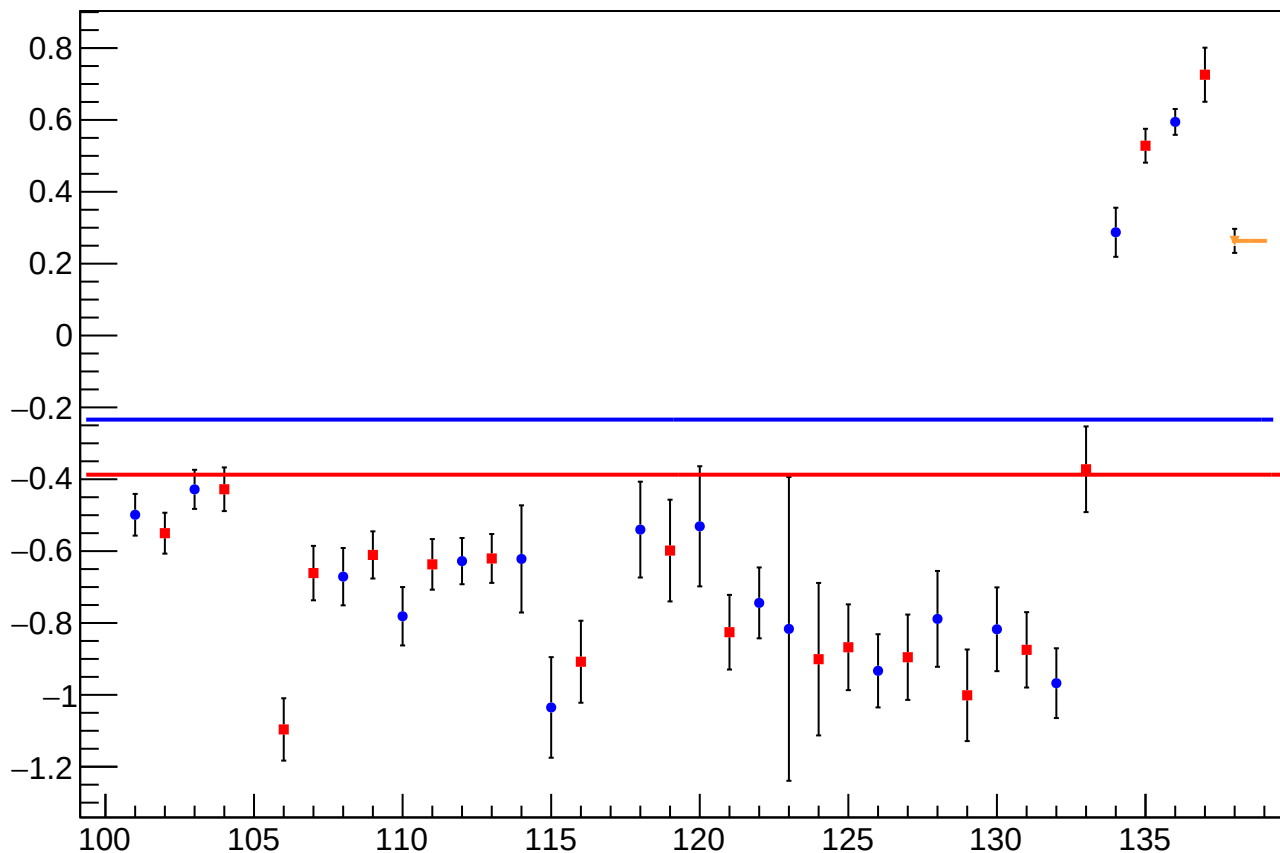
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1.355 $\pm$ 0.321  $\chi^2$ /NDF: 315.9/17

All: 1.610 $\pm$ 0.238  $\chi^2$ /NDF: 582.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -0.234+/-0.019  $\chi^2/\text{NDF}$ : 958.3/16

Left Out: 0.263+/-0.033  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.387+/-0.019  $\chi^2/\text{NDF}$ : 846.6/17

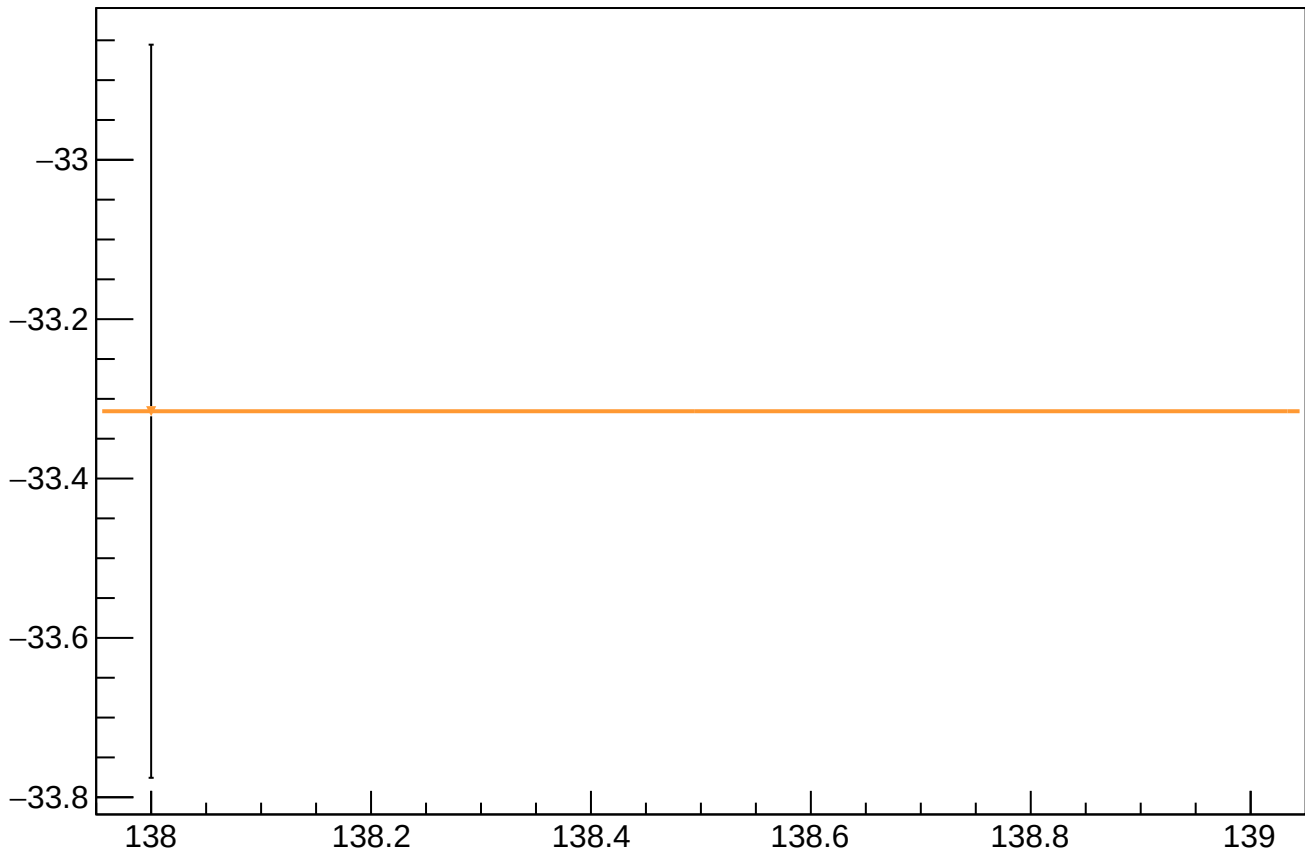
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -0.114+/-0.016  $\chi^2/\text{NDF}$ : 1125.7/17

All: -0.231+/-0.012  $\chi^2/\text{NDF}$ : 2090.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_37\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -33.316+/-0.460  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

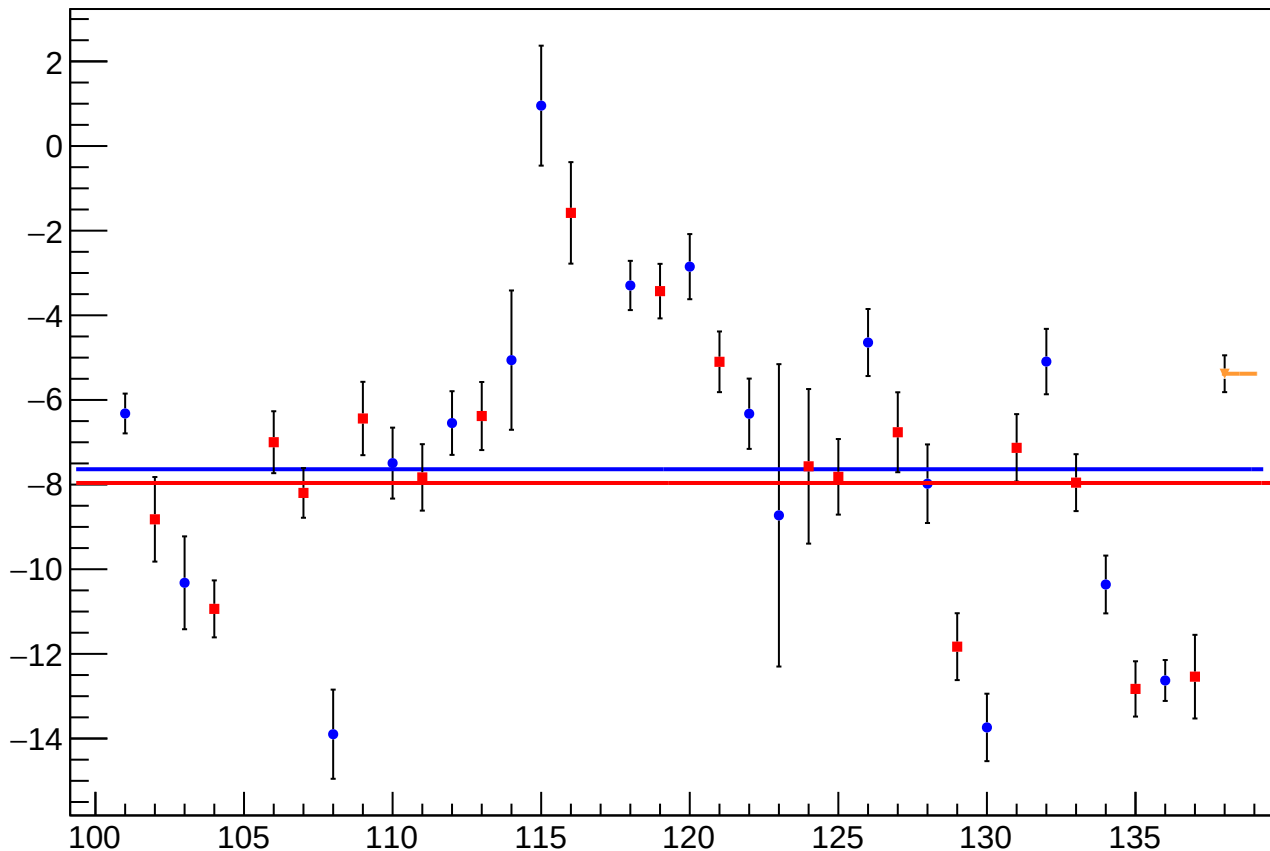
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -33.316+/-0.460  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-7.637 \pm 0.186$   $\chi^2/\text{NDF}$ : 394.0/16

Left Out:  $-5.380 \pm 0.435$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-7.962 \pm 0.186$   $\chi^2/\text{NDF}$ : 226.5/17

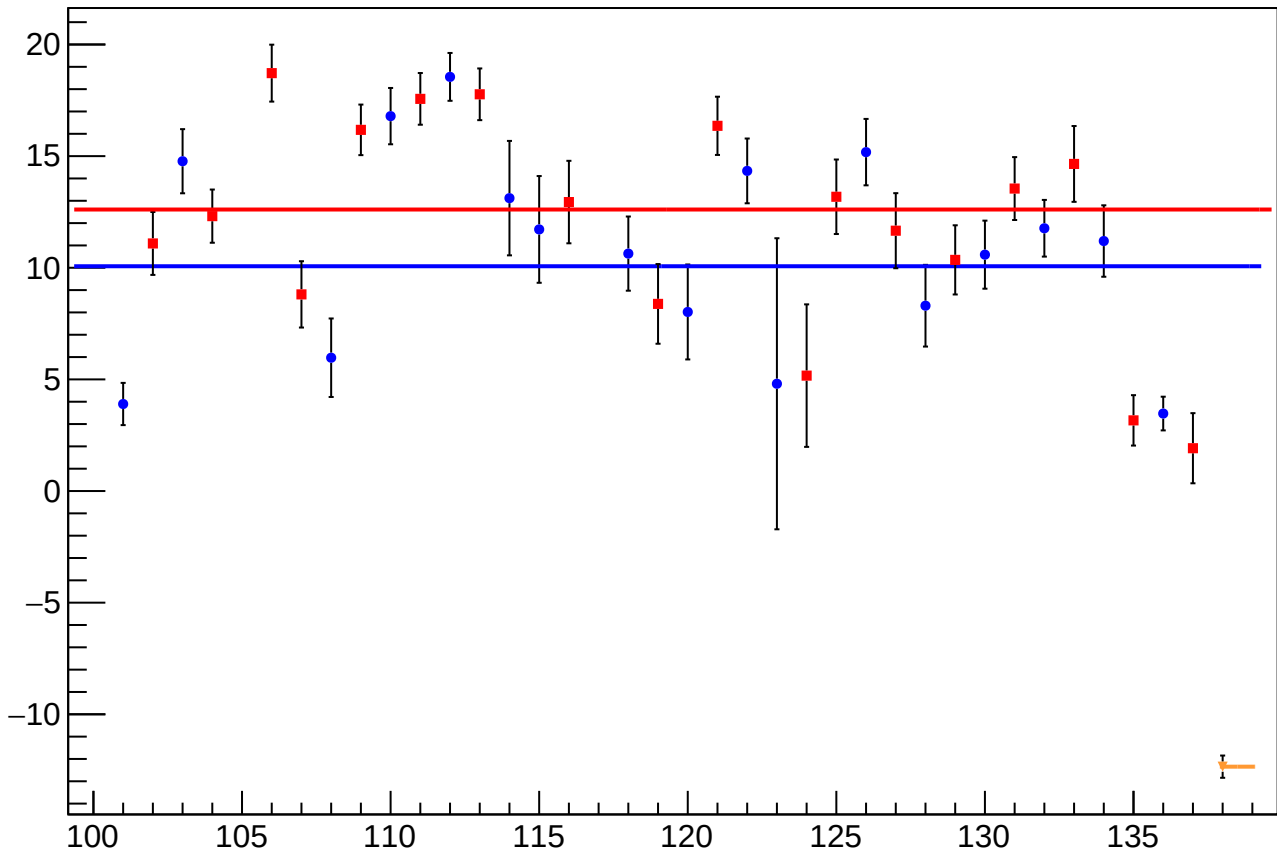
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-7.289 \pm 0.171$   $\chi^2/\text{NDF}$ : 416.7/17

All:  $-7.597 \pm 0.126$   $\chi^2/\text{NDF}$ : 650.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 10.068 $\pm$ 0.337  $\chi^2$ /NDF: 253.6/16

Left Out: -12.346 $\pm$ 0.498  $\chi^2$ /NDF: 0.0/0

Right Out: 12.609 $\pm$ 0.333  $\chi^2$ /NDF: 219.0/17

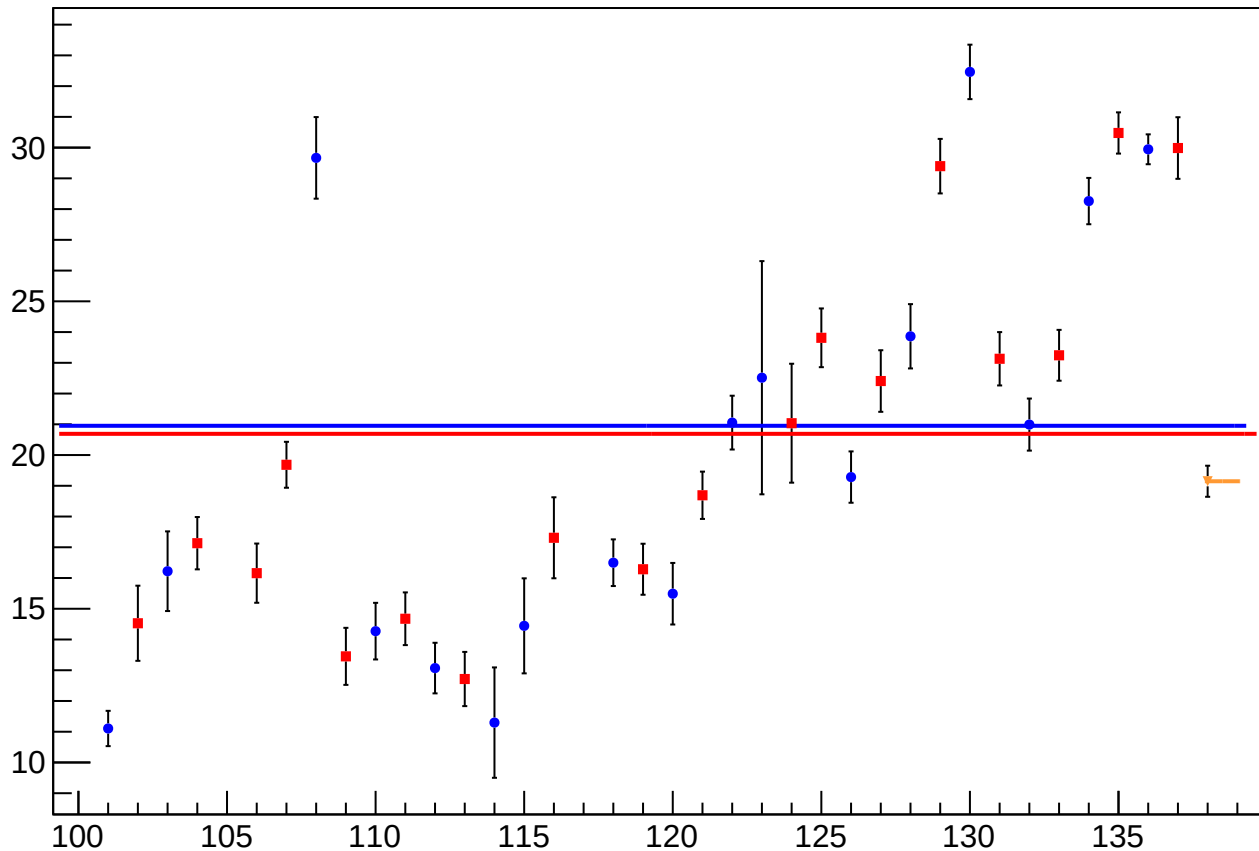
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 3.024 $\pm$ 0.279  $\chi^2$ /NDF: 1640.4/17

All: 6.983 $\pm$ 0.214  $\chi^2$ /NDF: 2345.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 20.951 $\pm$ 0.210  $\chi^2$ /NDF: 1222.8/16

Left Out: 19.147 $\pm$ 0.506  $\chi^2$ /NDF: 0.0/0

Right Out: 20.690 $\pm$ 0.213  $\chi^2$ /NDF: 726.9/17

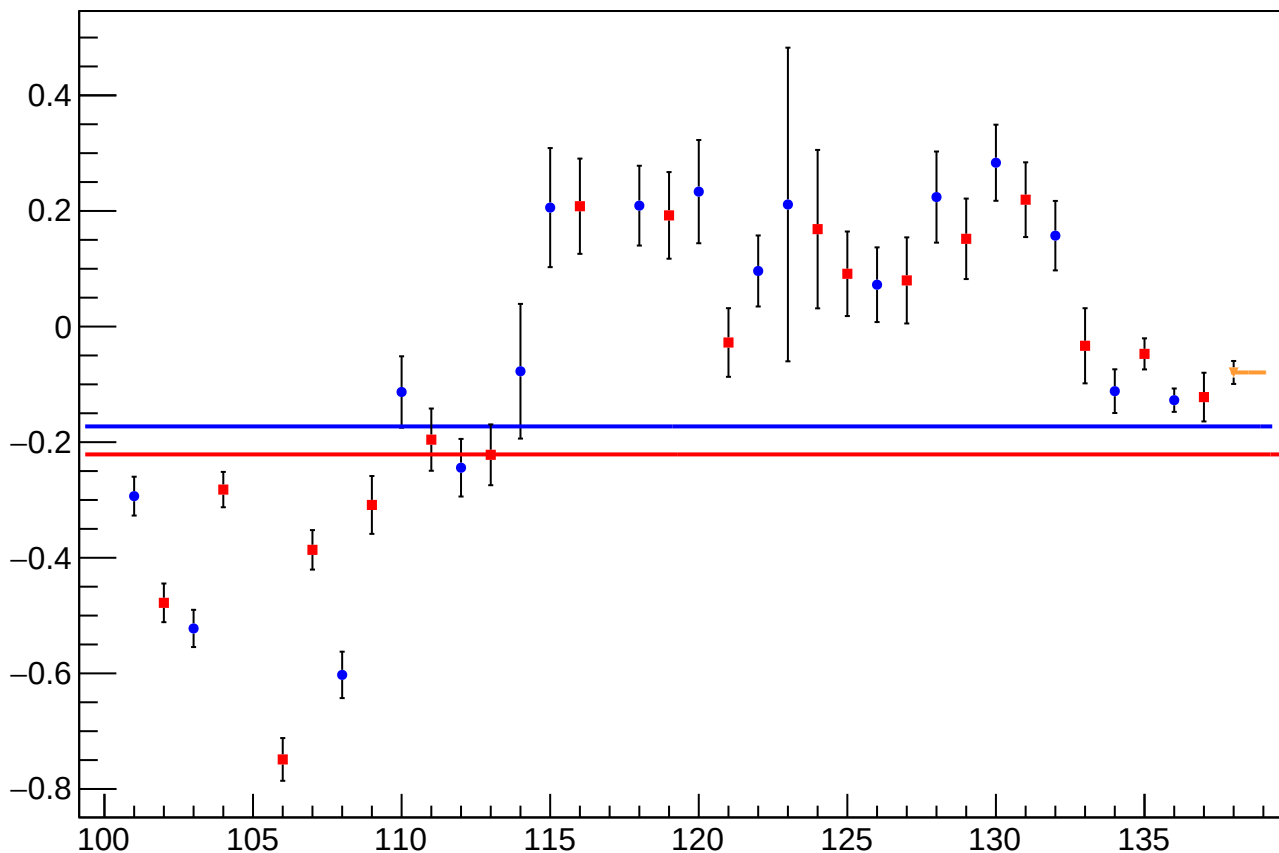
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 20.686 $\pm$ 0.194  $\chi^2$ /NDF: 1233.6/17

All: 20.688 $\pm$ 0.143  $\chi^2$ /NDF: 1960.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.173 \pm 0.011$   $\chi^2/\text{NDF}$ : 460.3/16

Left Out:  $-0.079 \pm 0.020$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.221 \pm 0.011$   $\chi^2/\text{NDF}$ : 535.1/17

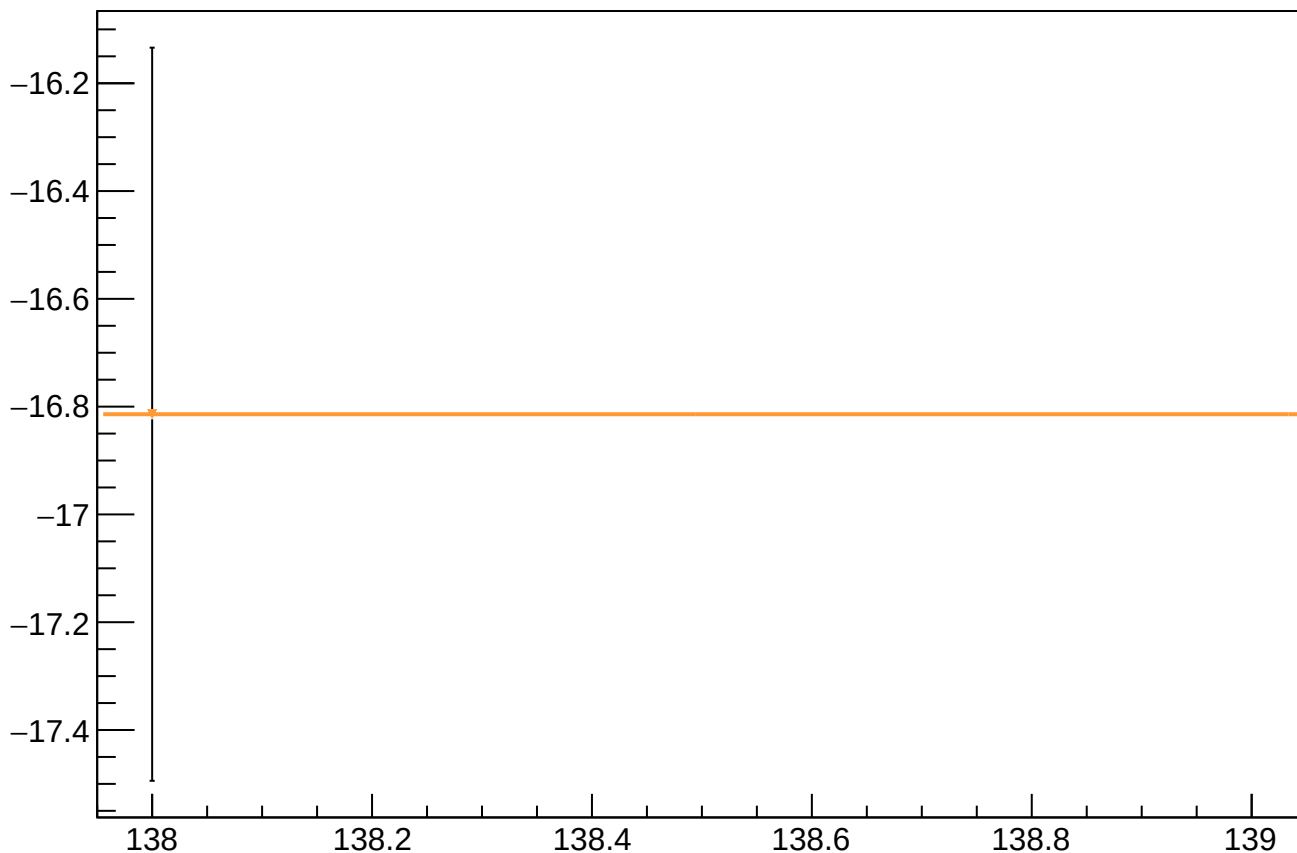
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.150 \pm 0.010$   $\chi^2/\text{NDF}$ : 477.1/17

All:  $-0.182 \pm 0.007$   $\chi^2/\text{NDF}$ : 1035.6/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_26\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -16.814+/-0.680  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

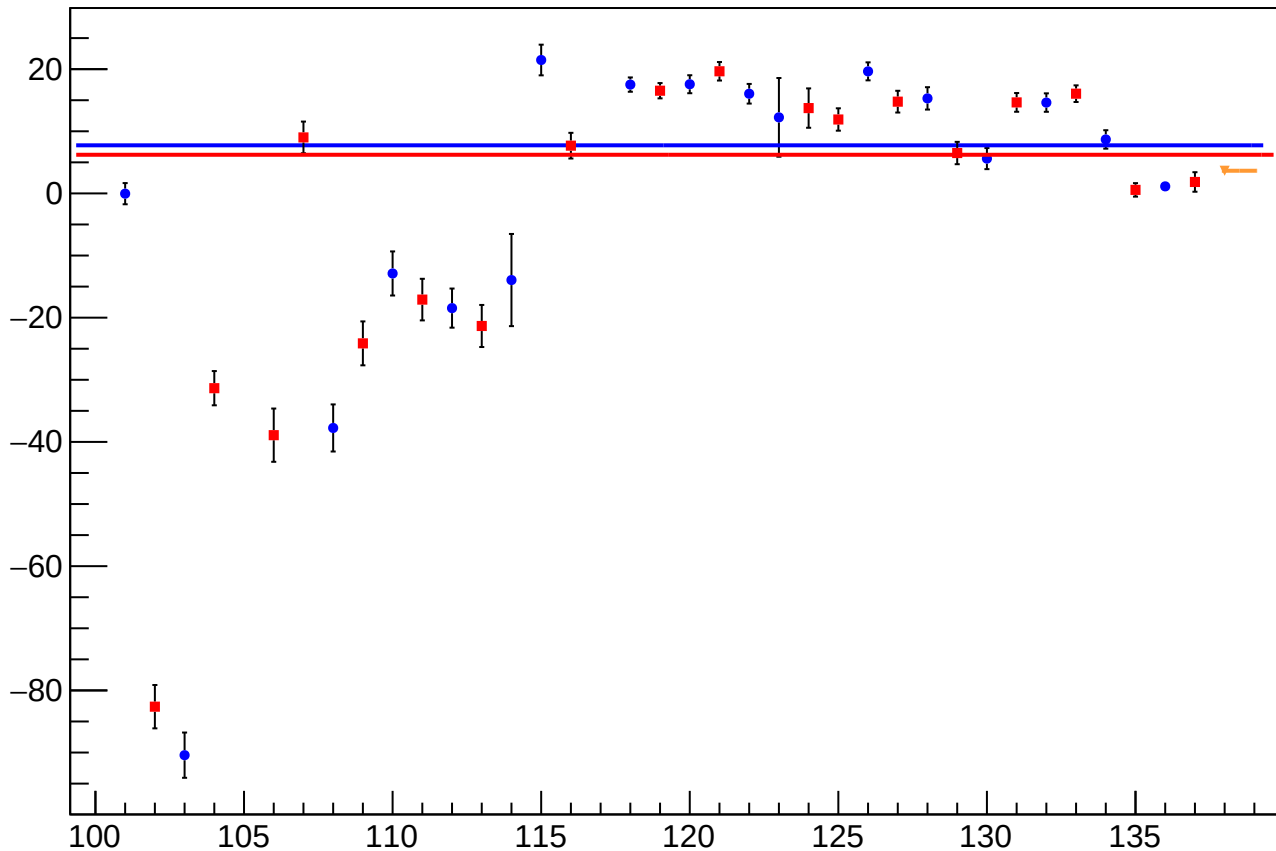
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -16.814+/-0.680  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 7.742 $\pm$ 0.403  $\chi^2$ /NDF: 1358.9/16

Left Out: 3.648 $\pm$ 0.650  $\chi^2$ /NDF: 0.0/0

Right Out: 6.220 $\pm$ 0.434  $\chi^2$ /NDF: 1445.9/17

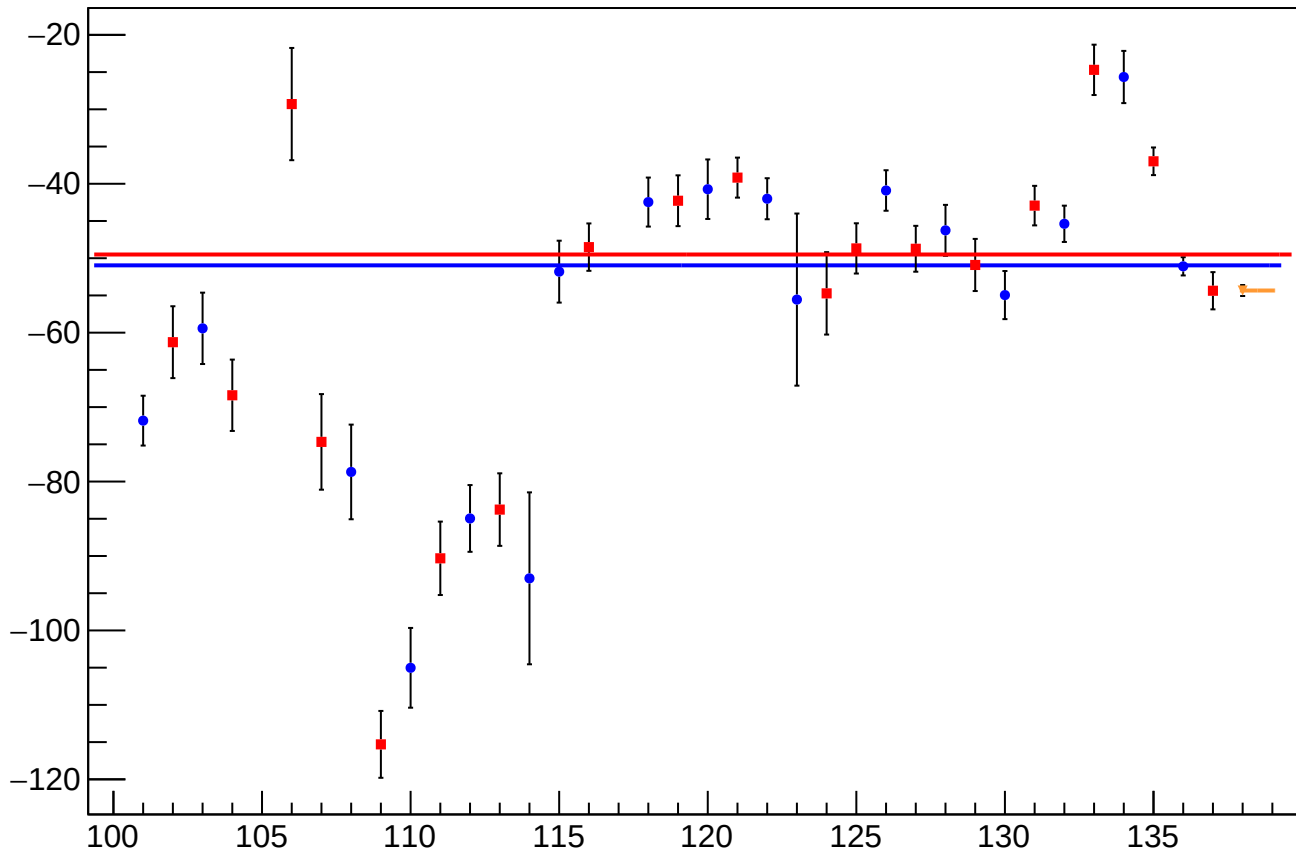
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 6.604 $\pm$ 0.342  $\chi^2$ /NDF: 1387.6/17

All: 6.457 $\pm$ 0.269  $\chi^2$ /NDF: 2834.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-50.959 \pm 0.738$   $\chi^2/\text{NDF}$ : 331.9/16

Left Out:  $-54.339 \pm 0.737$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-49.502 \pm 0.798$   $\chi^2/\text{NDF}$ : 506.4/17

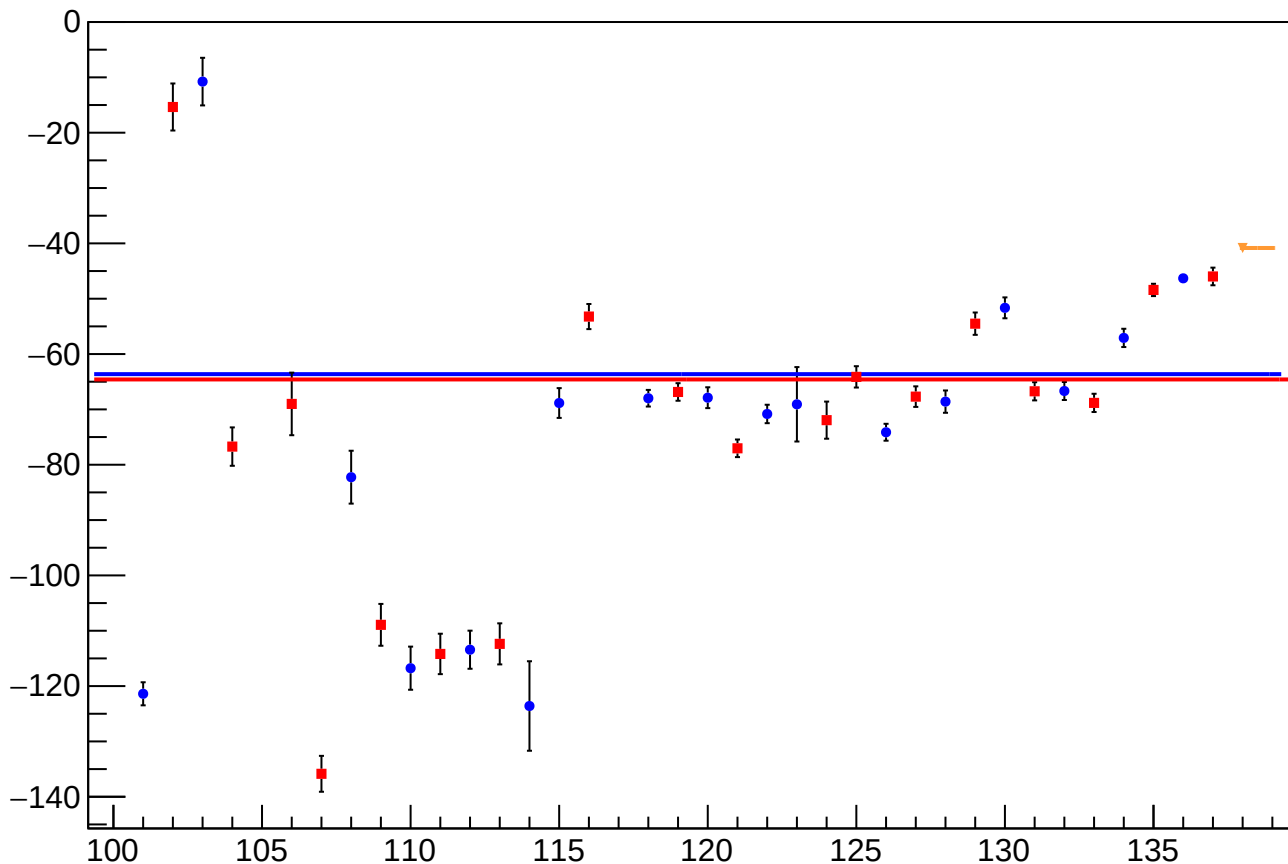
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-52.652 \pm 0.522$   $\chi^2/\text{NDF}$ : 342.4/17

All:  $-51.709 \pm 0.437$   $\chi^2/\text{NDF}$ : 859.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-63.631 \pm 0.446$   $\chi^2/\text{NDF}$ : 2011.2/16

Left Out:  $-40.834 \pm 0.753$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-64.590 \pm 0.482$   $\chi^2/\text{NDF}$ : 1594.3/17

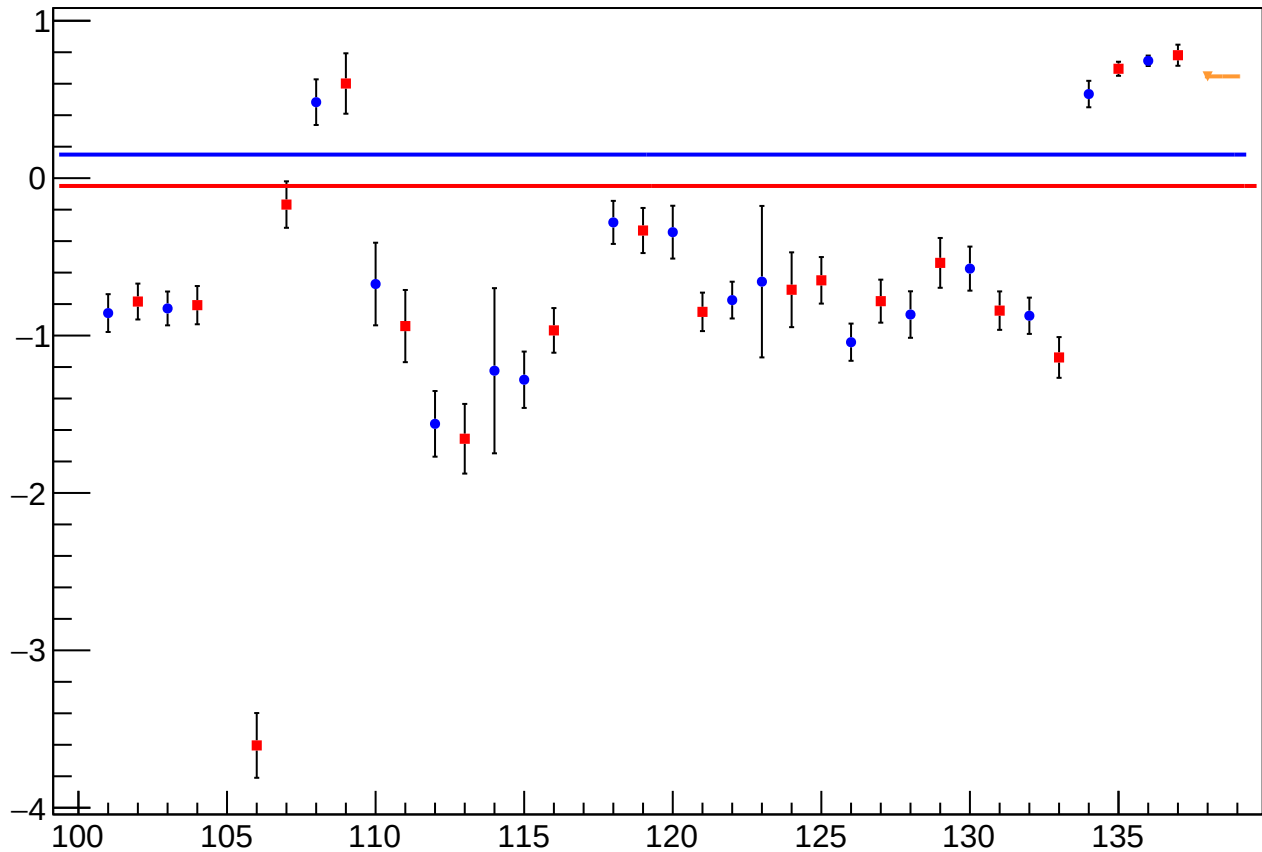
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-57.709 \pm 0.384$   $\chi^2/\text{NDF}$ : 2690.4/17

All:  $-60.376 \pm 0.300$   $\chi^2/\text{NDF}$ : 4409.5/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_26\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $0.150 \pm 0.024$   $\chi^2/\text{NDF}$ : 989.2/16

Left Out:  $0.647 \pm 0.029$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.050 \pm 0.026$   $\chi^2/\text{NDF}$ : 1154.0/17

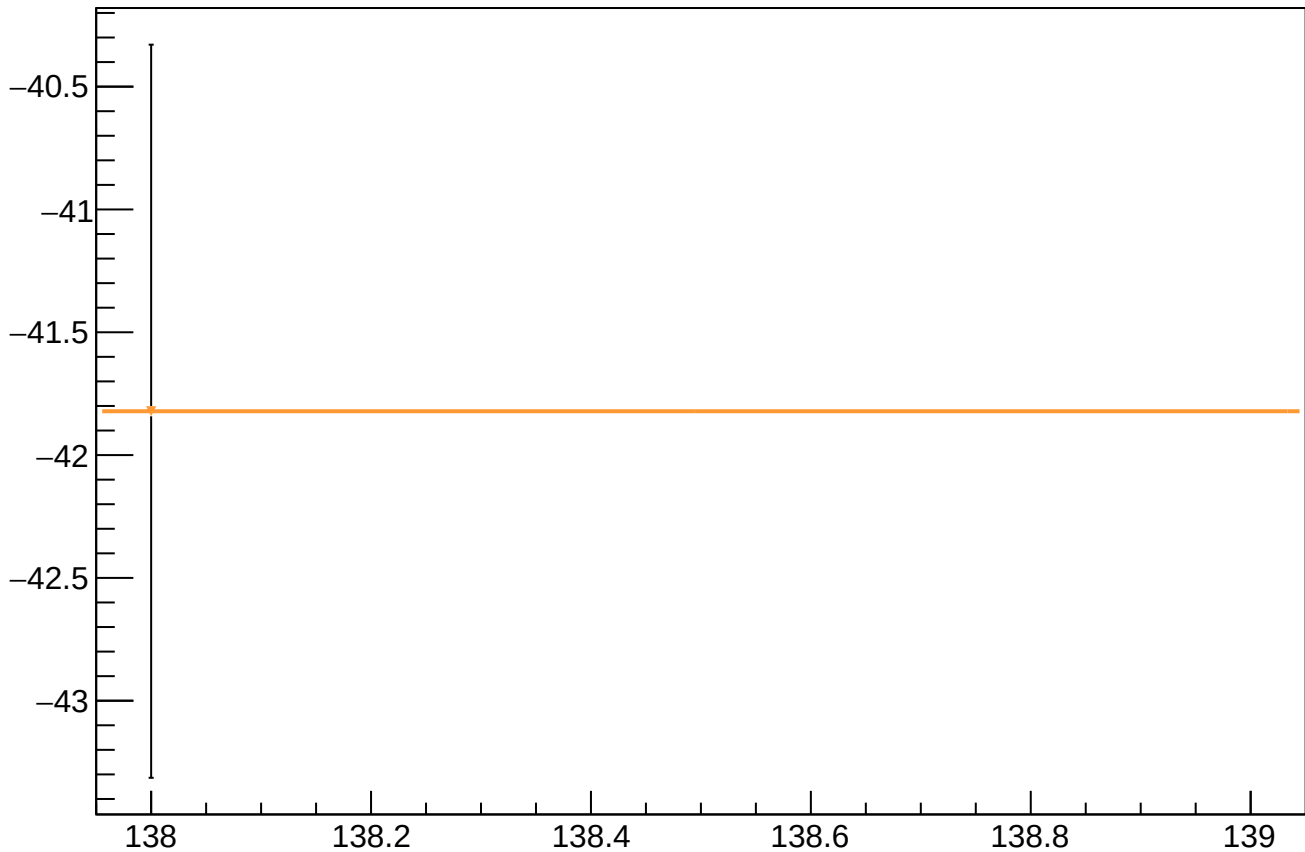
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.348 \pm 0.019$   $\chi^2/\text{NDF}$ : 1160.6/17

All:  $0.215 \pm 0.015$   $\chi^2/\text{NDF}$ : 2467.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_26\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -41.821+/-1.492  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

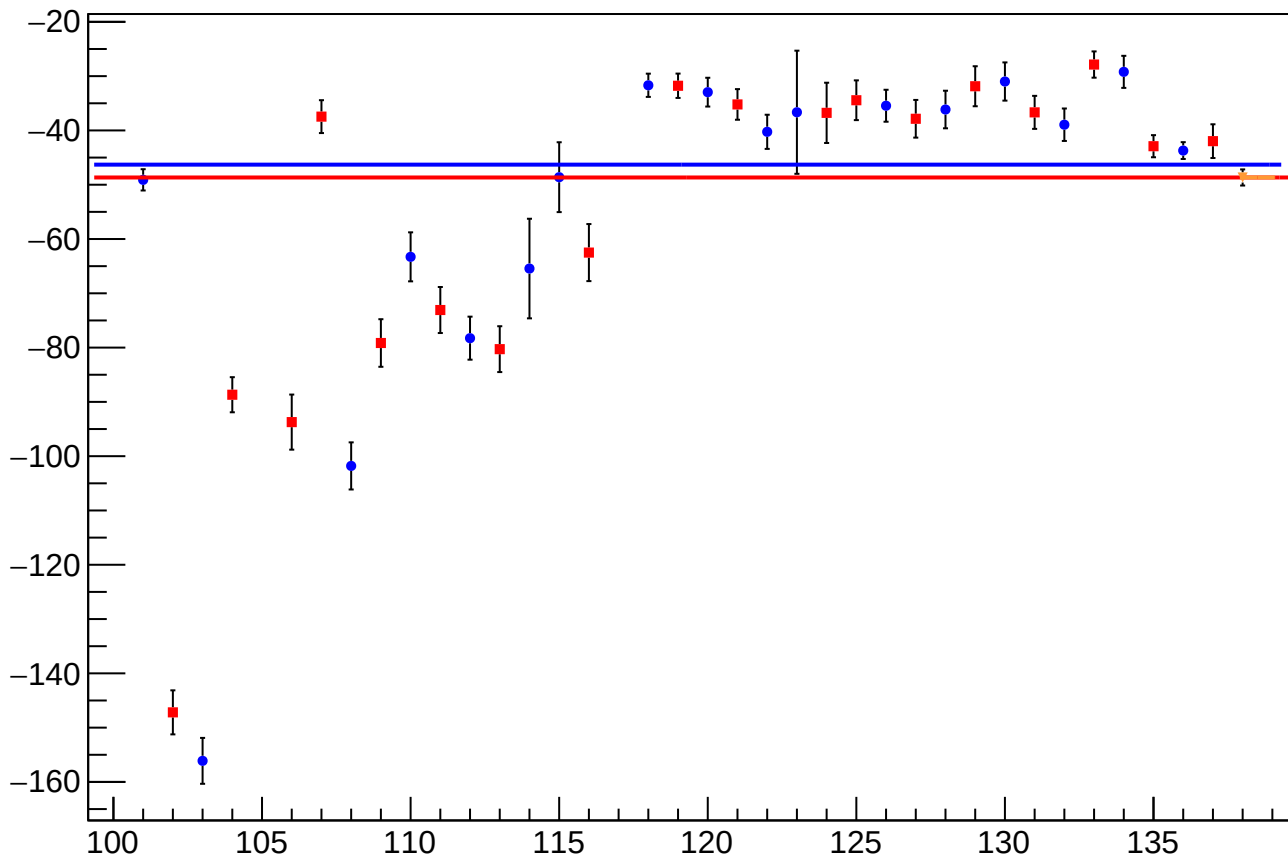
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -41.821+/-1.492  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-46.301 \pm 0.723$   $\chi^2/\text{NDF}$ : 1084.0/16

Left Out:  $-48.663 \pm 1.485$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-48.666 \pm 0.763$   $\chi^2/\text{NDF}$ : 1212.3/17

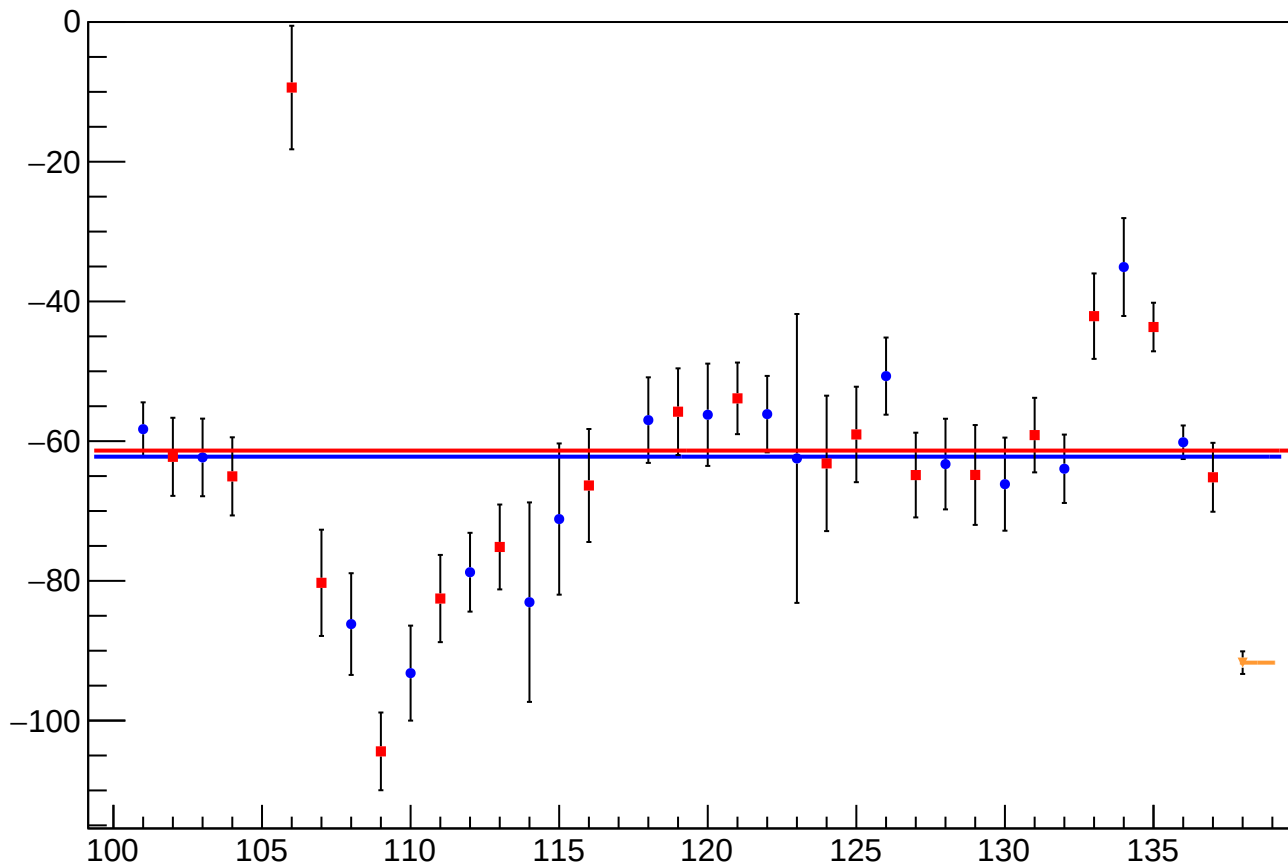
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-46.754 \pm 0.650$   $\chi^2/\text{NDF}$ : 1086.0/17

All:  $-47.558 \pm 0.495$   $\chi^2/\text{NDF}$ : 2301.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: -62.221 $\pm$ 1.312  $\chi^2$ /NDF: 67.3/16

Left Out: -91.708 $\pm$ 1.618  $\chi^2$ /NDF: 0.0/0

Right Out: -61.350 $\pm$ 1.383  $\chi^2$ /NDF: 158.4/17

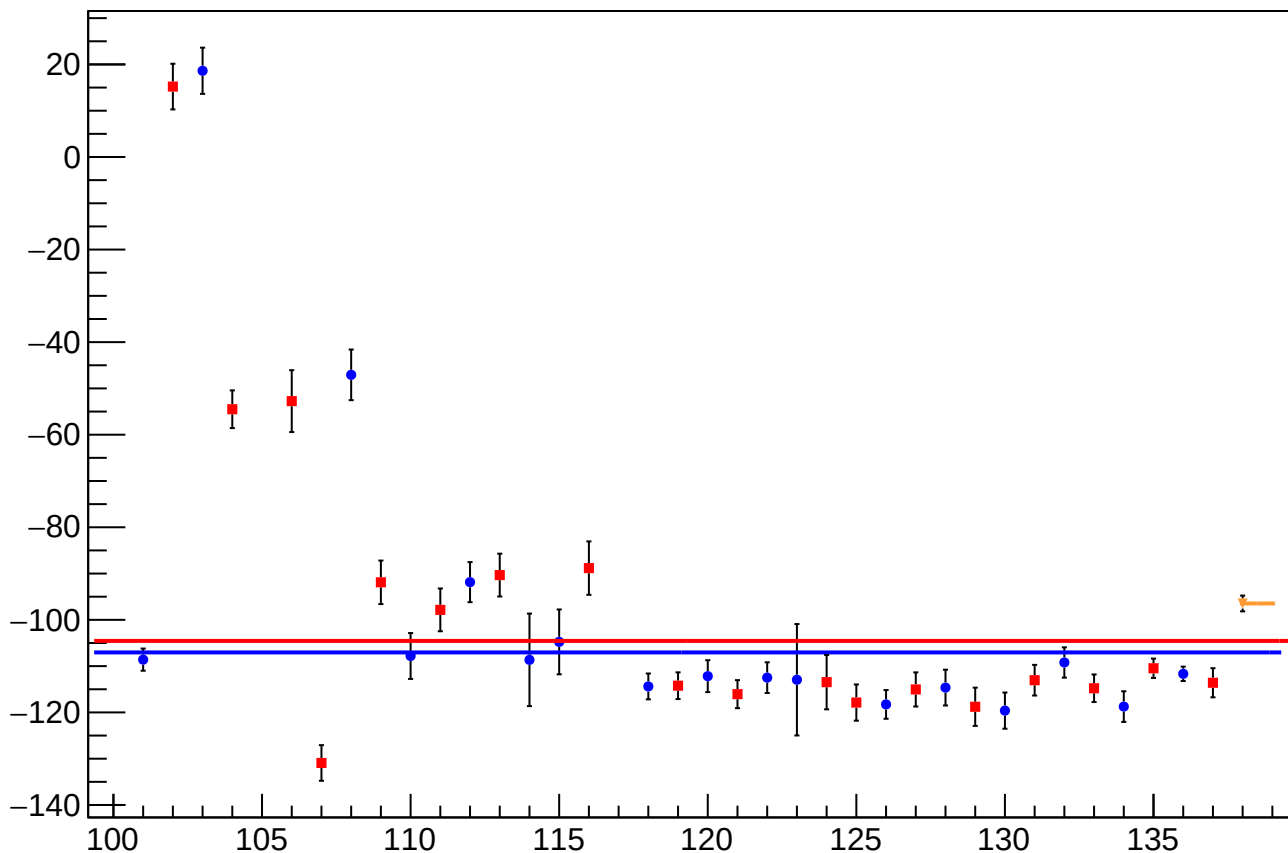
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -73.915 $\pm$ 1.019  $\chi^2$ /NDF: 267.7/17

All: -69.493 $\pm$ 0.820  $\chi^2$ /NDF: 479.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-107.040 \pm 0.812$   $\chi^2/\text{NDF}$ : 827.8/16

Left Out:  $-96.464 \pm 1.703$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-104.550 \pm 0.861$   $\chi^2/\text{NDF}$ : 967.4/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

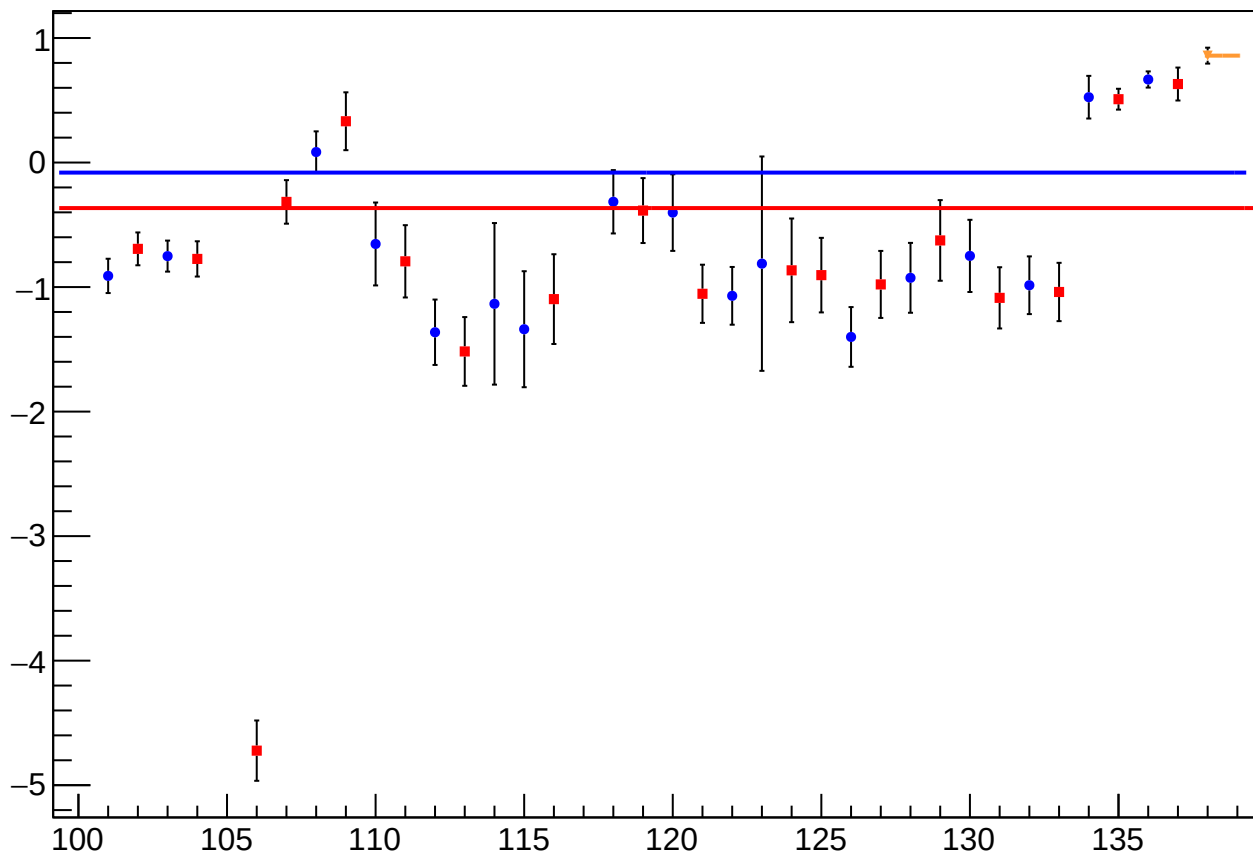
+ sign  $-105.079 \pm 0.733$   $\chi^2/\text{NDF}$ : 859.3/17

All:  $-104.857 \pm 0.558$   $\chi^2/\text{NDF}$ : 1826.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_sam\_26\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.081 \pm 0.042$   $\chi^2/\text{NDF}$ : 328.9/16

Left Out:  $0.858 \pm 0.064$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.366 \pm 0.044$   $\chi^2/\text{NDF}$ : 572.8/17

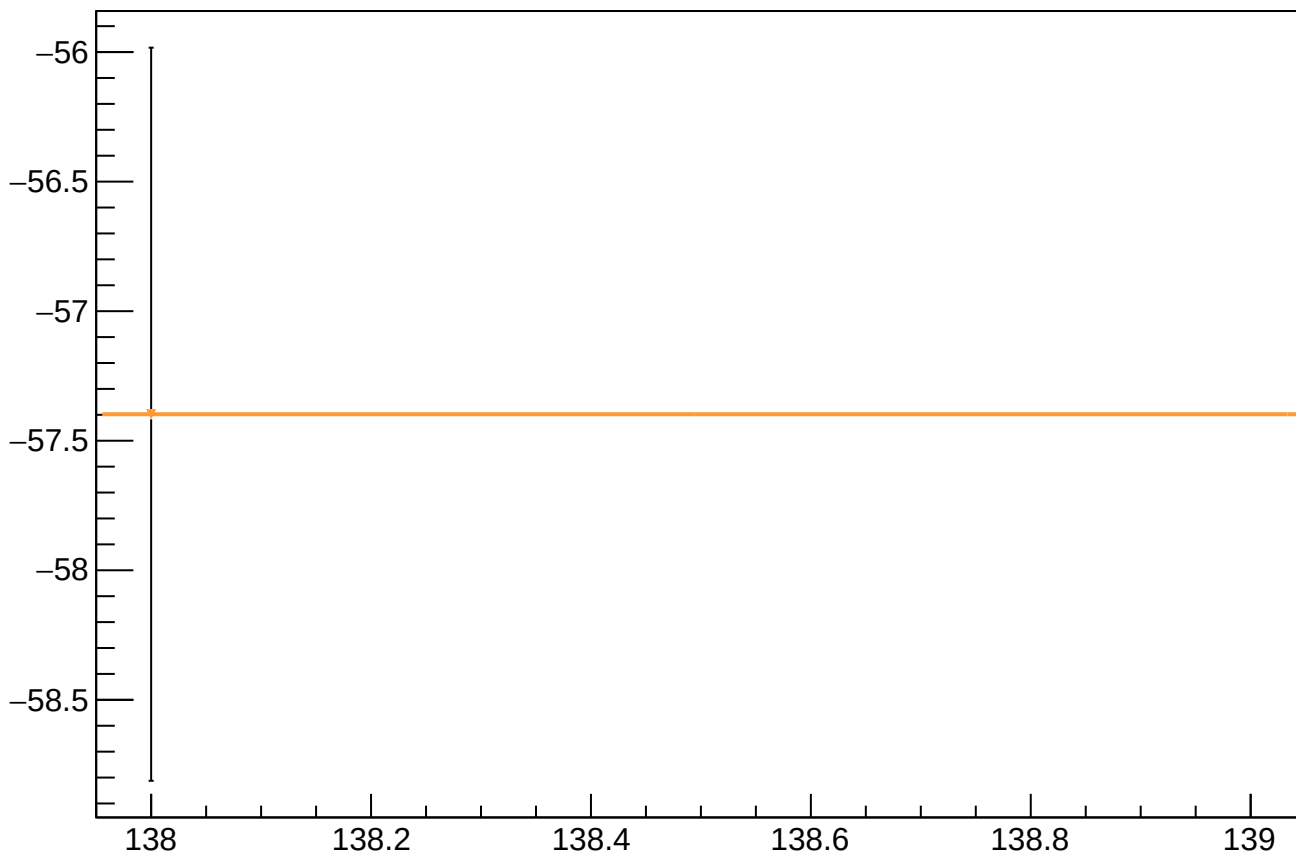
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.204 \pm 0.035$   $\chi^2/\text{NDF}$ : 479.2/17

All:  $-0.018 \pm 0.027$   $\chi^2/\text{NDF}$ : 1154.2/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_48\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -57.398+/-1.415  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

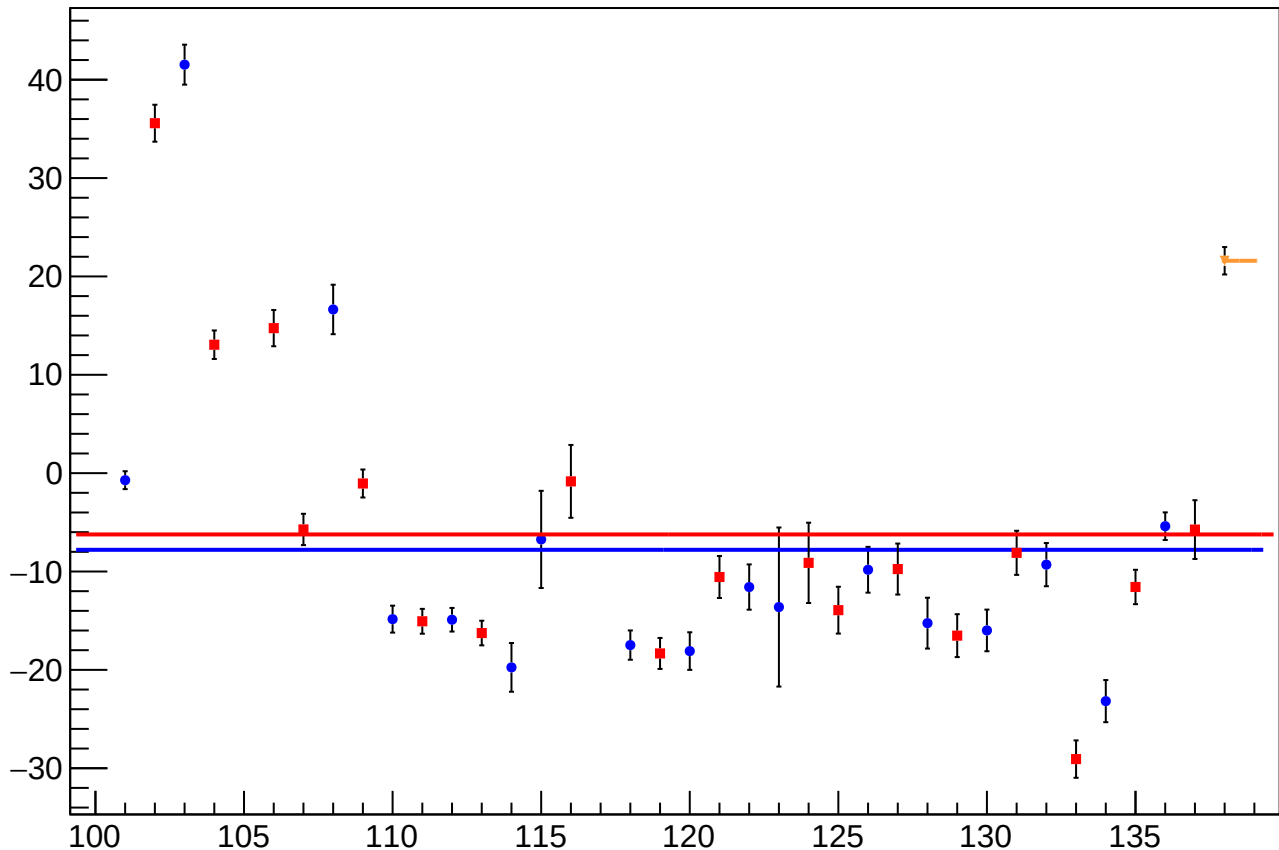
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -57.398+/-1.415  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug



Right In:  $-7.794 \pm 0.428$   $\chi^2/\text{NDF}$ : 982.7/16

Left Out:  $21.593 \pm 1.394$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-6.231 \pm 0.430$   $\chi^2/\text{NDF}$ : 1183.0/17

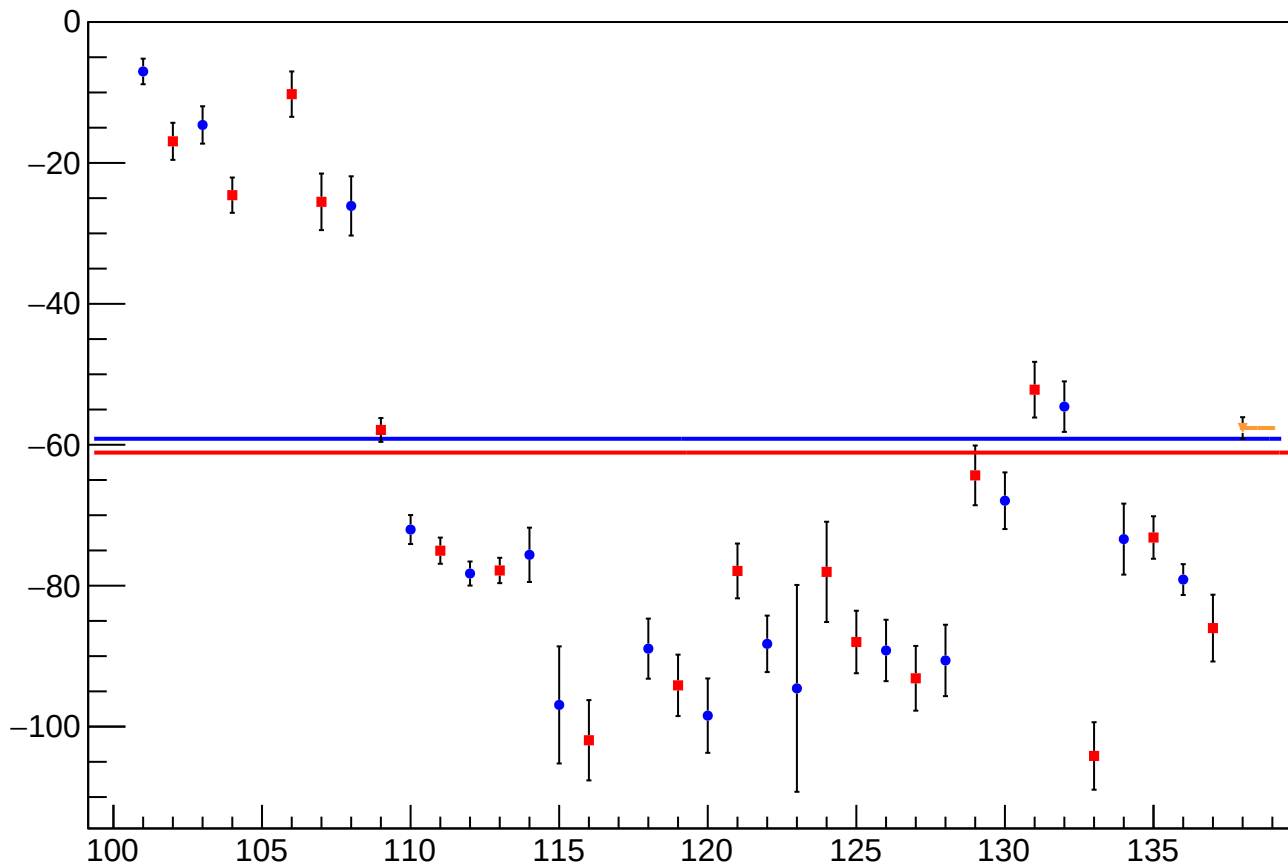
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-5.263 \pm 0.409$   $\chi^2/\text{NDF}$ : 1388.8/17

All:  $-5.723 \pm 0.296$   $\chi^2/\text{NDF}$ : 2574.5/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-59.150 \pm 0.745$   $\chi^2/\text{NDF}$ : 1718.3/16

Left Out:  $-57.620 \pm 1.533$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-61.113 \pm 0.708$   $\chi^2/\text{NDF}$ : 1317.8/17

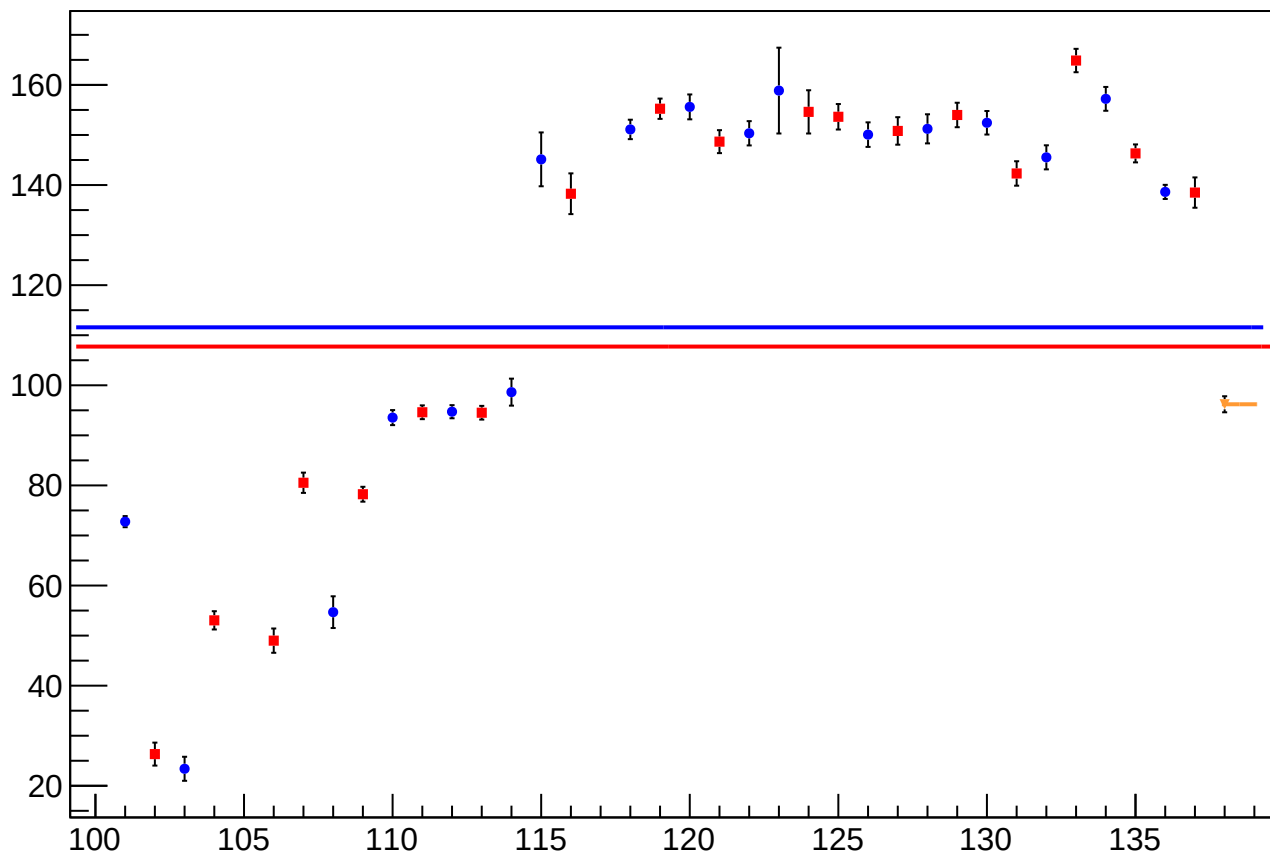
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-58.857 \pm 0.670$   $\chi^2/\text{NDF}$ : 1719.1/17

All:  $-59.924 \pm 0.487$   $\chi^2/\text{NDF}$ : 3042.3/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 111.580 $\pm$ 0.487  $\chi^2$ /NDF: 5946.0/16

Left Out: 96.209 $\pm$ 1.603  $\chi^2$ /NDF:0.0/0

Right Out: 107.735 $\pm$ 0.489  $\chi^2$ /NDF: 6836.2/17

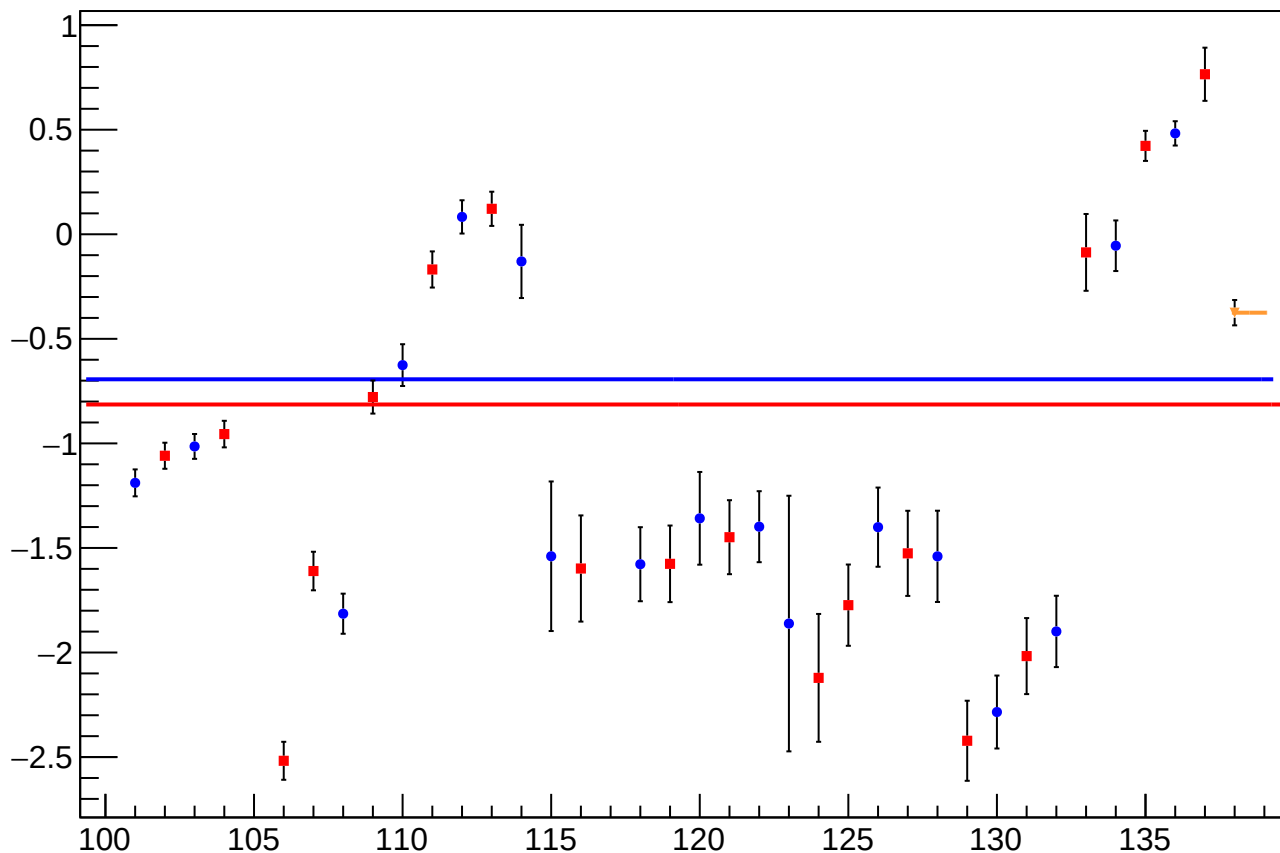
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 110.278 $\pm$ 0.466  $\chi^2$ /NDF: 6030.1/17

All: 109.065 $\pm$ 0.337  $\chi^2$ /NDF: 12880.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_48\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -0.694 $\pm$ 0.026  $\chi^2$ /NDF: 990.7/16

Left Out: -0.375 $\pm$ 0.061  $\chi^2$ /NDF: 0.0/0

Right Out: -0.814 $\pm$ 0.024  $\chi^2$ /NDF: 1308.8/17

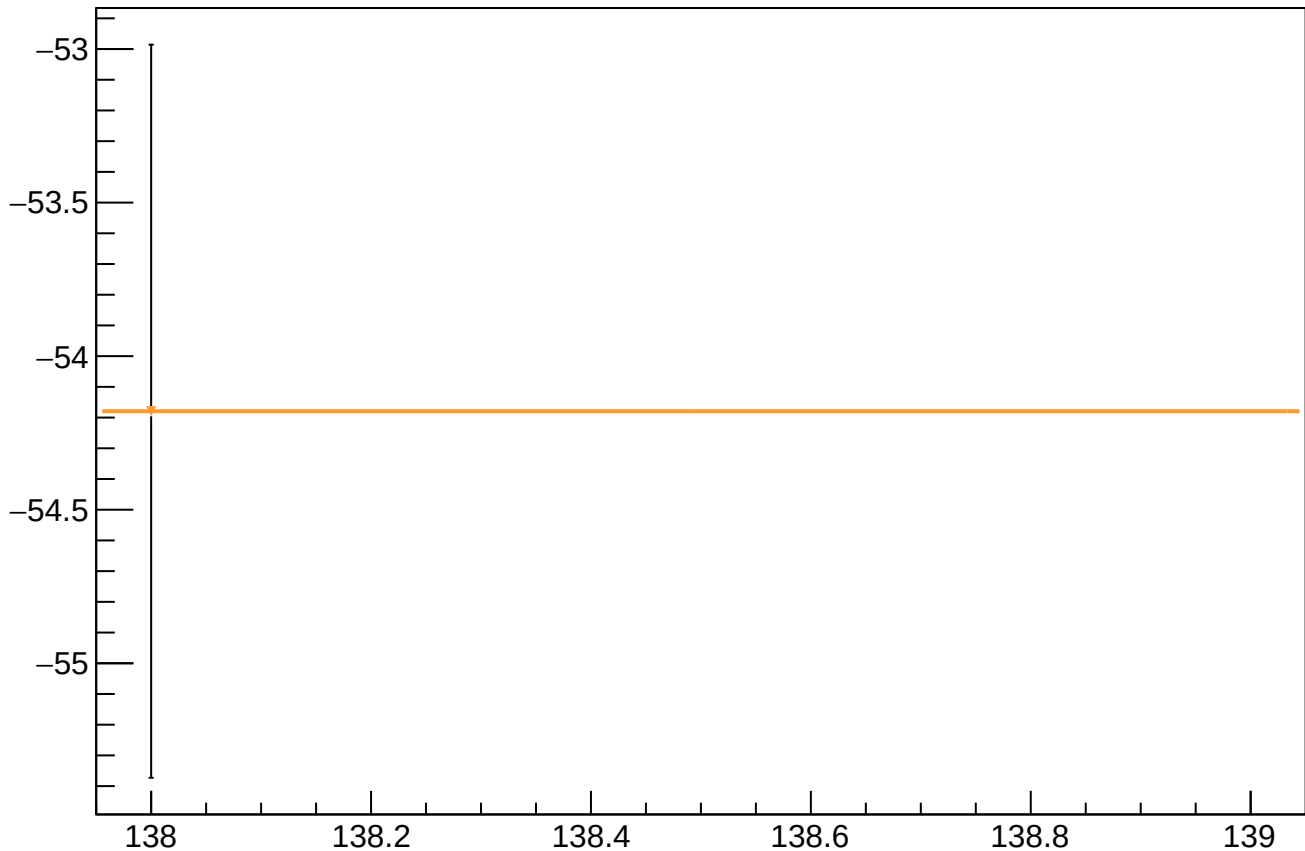
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -0.645 $\pm$ 0.024  $\chi^2$ /NDF: 1014.1/17

All: -0.727 $\pm$ 0.017  $\chi^2$ /NDF: 2347.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_48\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -54.179+/-1.194  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

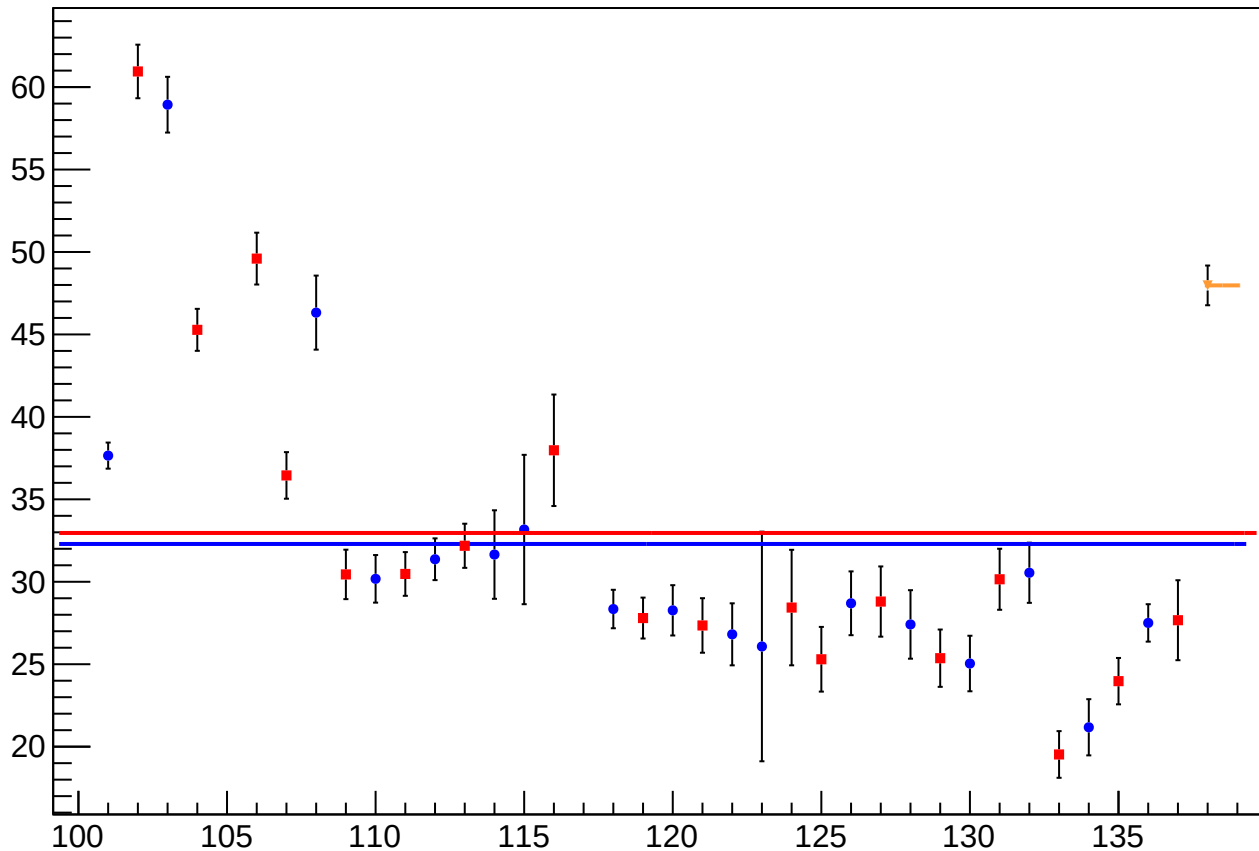
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -54.179+/-1.194  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 32.293+/-0.373  $\chi^2/\text{NDF}$ : 452.5/16

Left Out: 47.974+/-1.204  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 32.960+/-0.380  $\chi^2/\text{NDF}$ : 724.0/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

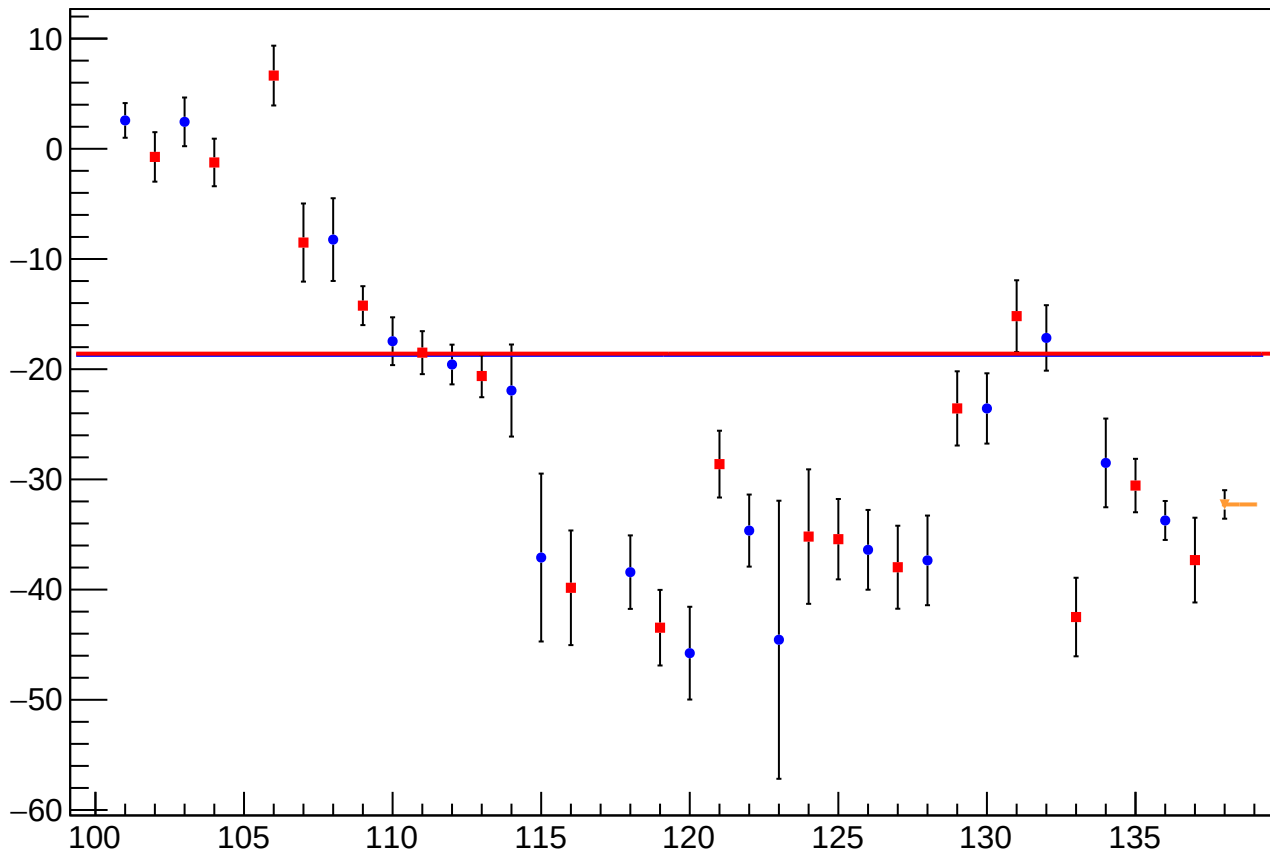
+ sign 33.666+/-0.356  $\chi^2/\text{NDF}$ : 607.2/17

All: 33.335+/-0.260  $\chi^2/\text{NDF}$ : 1333.0/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-18.699 \pm 0.667$   $\chi^2/\text{NDF}$ : 519.1/16

Left Out:  $-32.273 \pm 1.294$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-18.590 \pm 0.648$   $\chi^2/\text{NDF}$ : 461.3/17

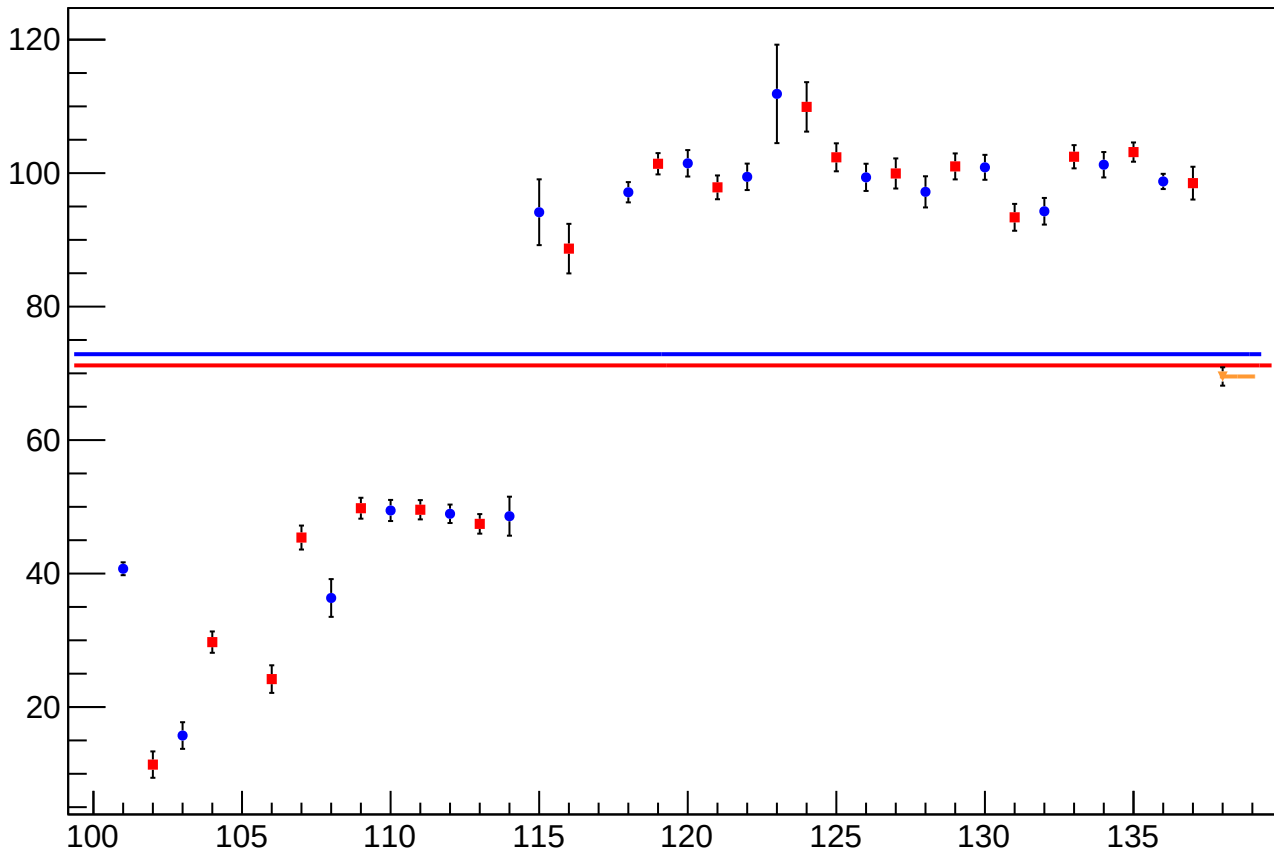
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-21.546 \pm 0.593$   $\chi^2/\text{NDF}$ : 606.1/17

All:  $-20.199 \pm 0.437$   $\chi^2/\text{NDF}$ : 1078.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 72.870 $\pm$ 0.427  $\chi^2$ /NDF: 4727.1/16

Left Out: 69.530 $\pm$ 1.376  $\chi^2$ /NDF: 0.0/0

Right Out: 71.190 $\pm$ 0.434  $\chi^2$ /NDF: 5375.1/17

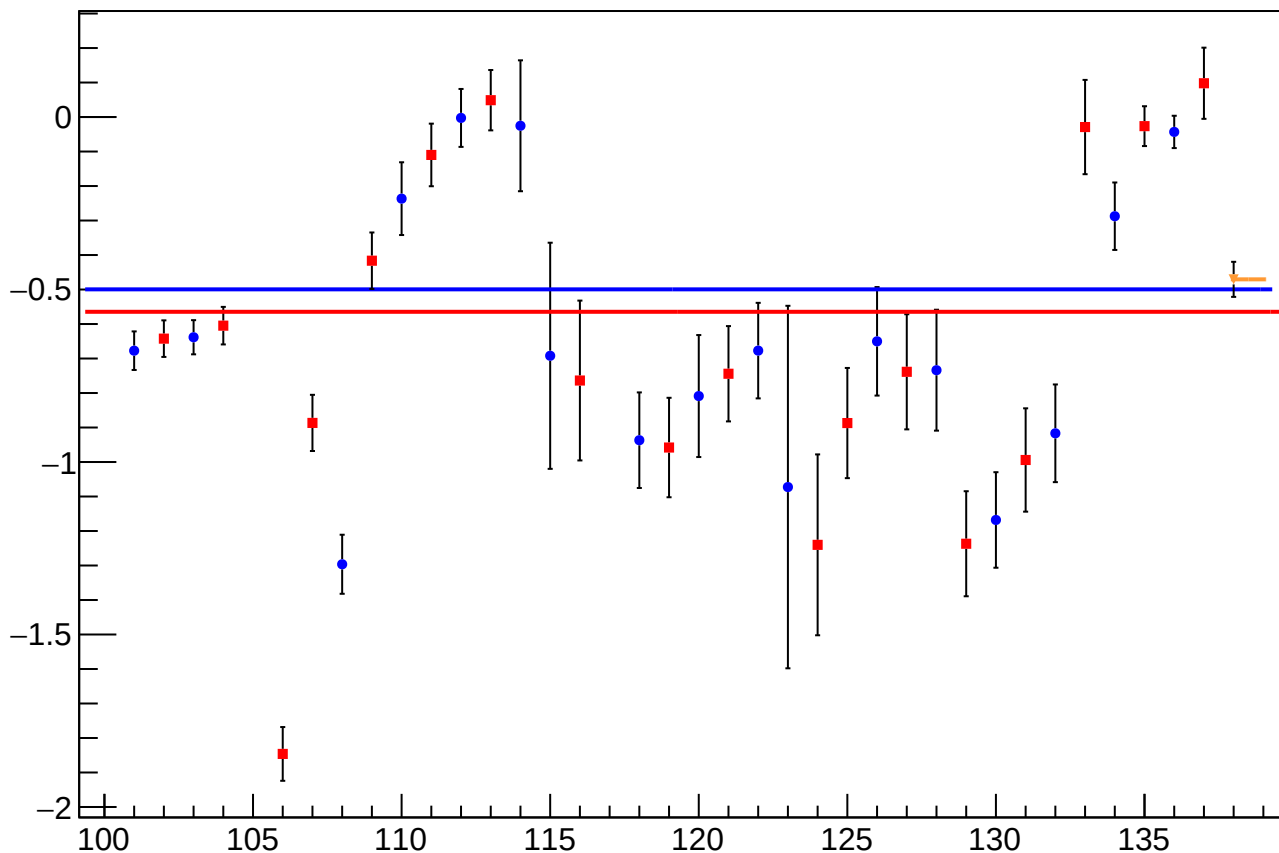
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 72.578 $\pm$ 0.407  $\chi^2$ /NDF: 4732.5/17

All: 71.928 $\pm$ 0.297  $\chi^2$ /NDF: 10113.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_48\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.500 \pm 0.022$   $\chi^2/\text{NDF}$ : 302.6/16

Left Out:  $-0.471 \pm 0.051$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.565 \pm 0.022$   $\chi^2/\text{NDF}$ : 559.4/17

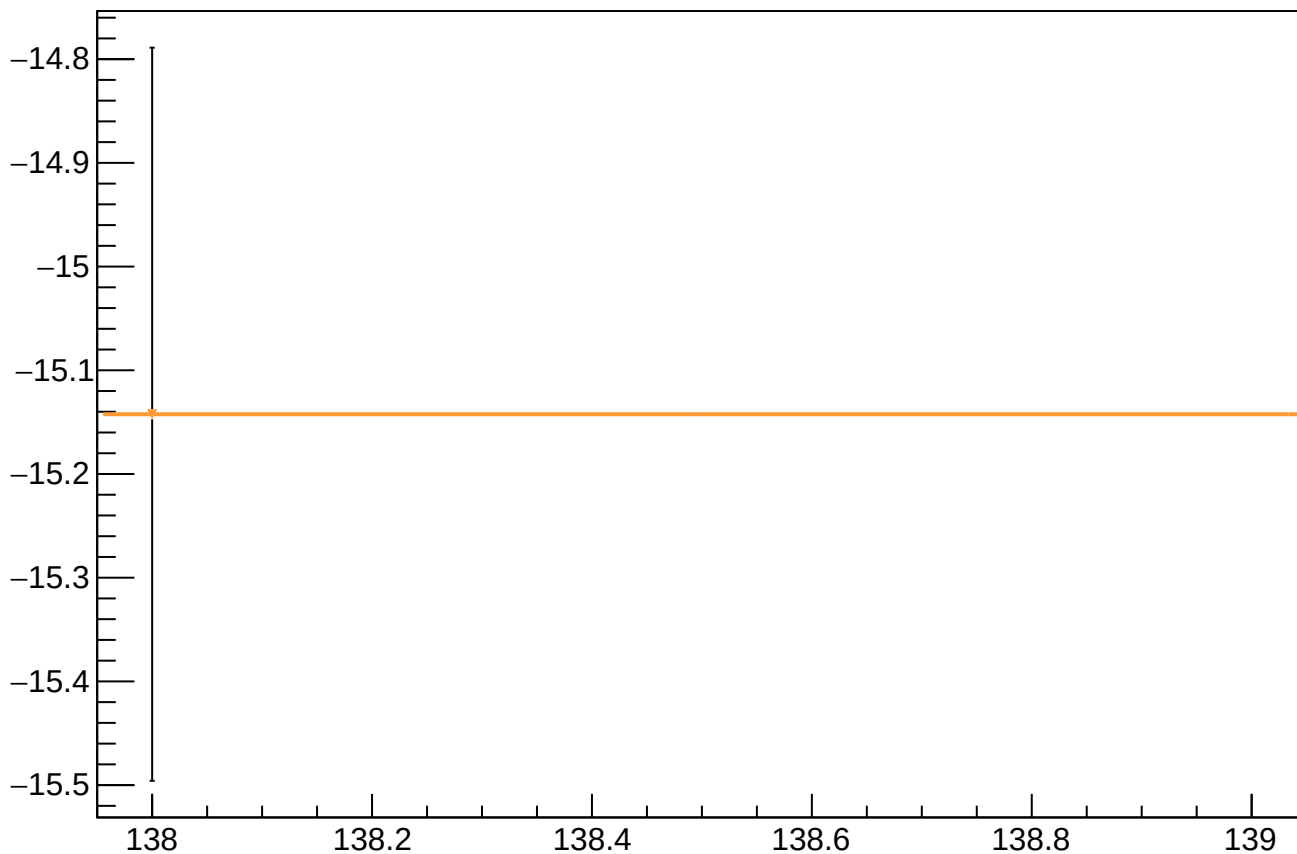
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.495 \pm 0.020$   $\chi^2/\text{NDF}$ : 302.9/17

All:  $-0.528 \pm 0.015$   $\chi^2/\text{NDF}$ : 867.8/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -15.142+/-0.353  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

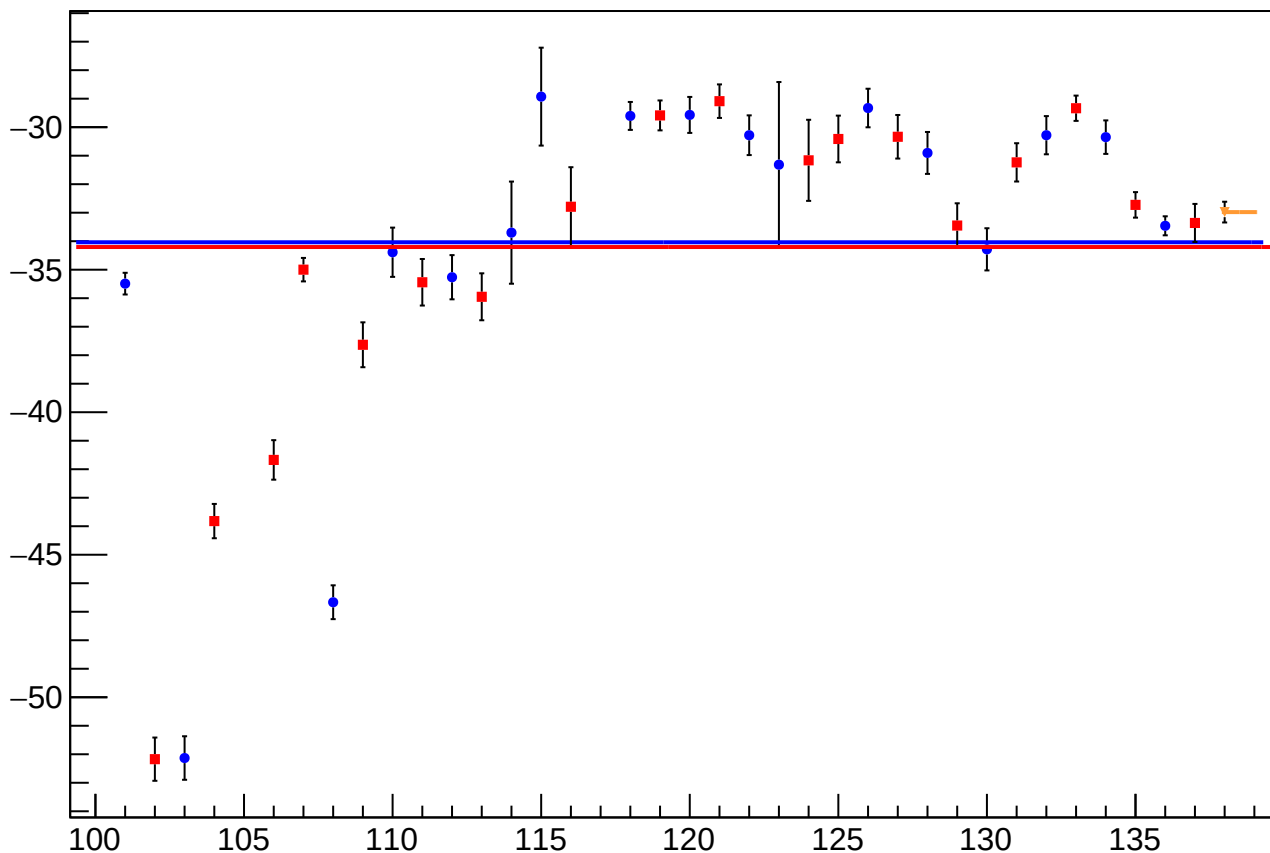
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -15.142+/-0.353  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-34.038 \pm 0.151$   $\chi^2/\text{NDF}$ : 1342.9/16

Left Out:  $-32.979 \pm 0.364$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-34.205 \pm 0.151$   $\chi^2/\text{NDF}$ : 1320.7/17

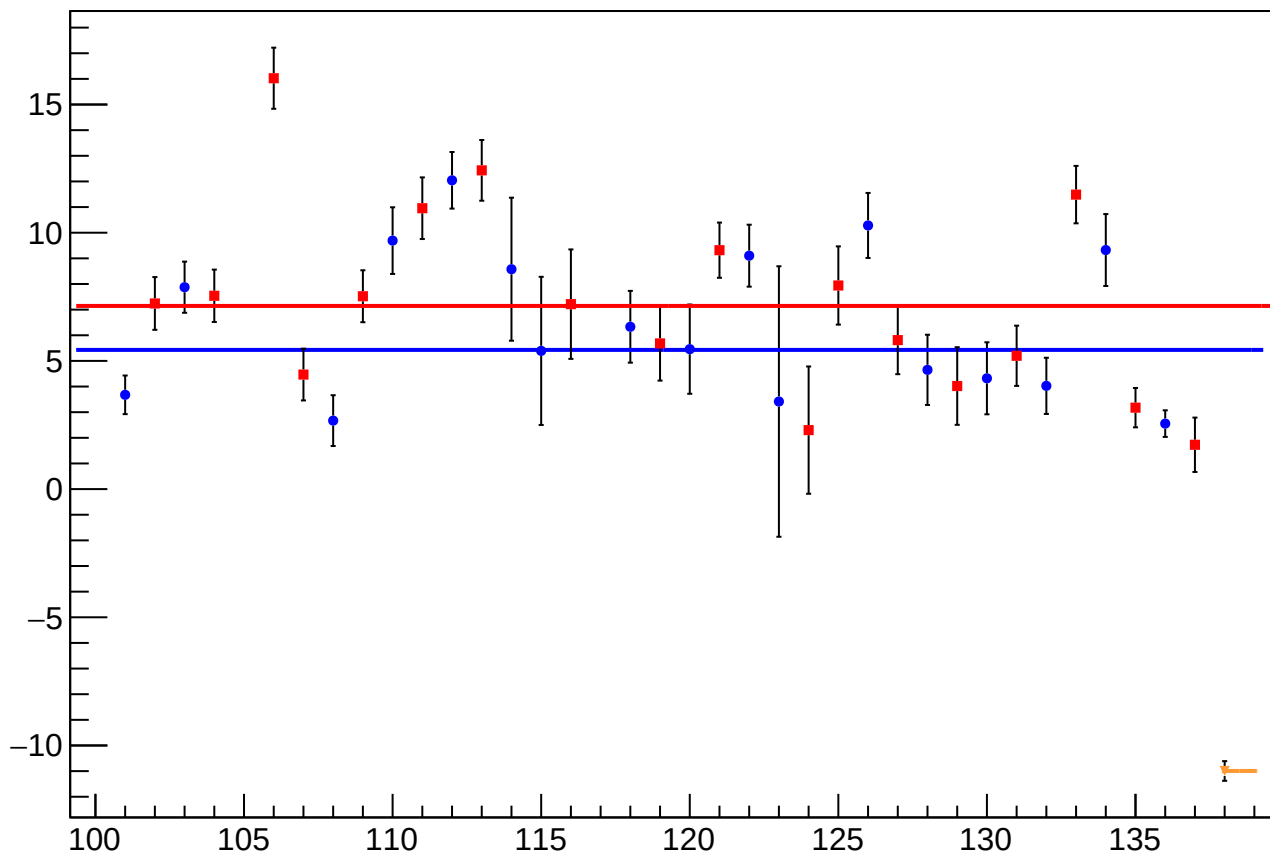
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-33.882 \pm 0.139$   $\chi^2/\text{NDF}$ : 1350.1/17

All:  $-34.031 \pm 0.102$   $\chi^2/\text{NDF}$ : 2673.3/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 5.429 $\pm$ 0.270  $\chi^2$ /NDF: 132.6/16

Left Out: -10.994 $\pm$ 0.383  $\chi^2$ /NDF: 0.0/0

Right Out: 7.144 $\pm$ 0.275  $\chi^2$ /NDF: 177.9/17

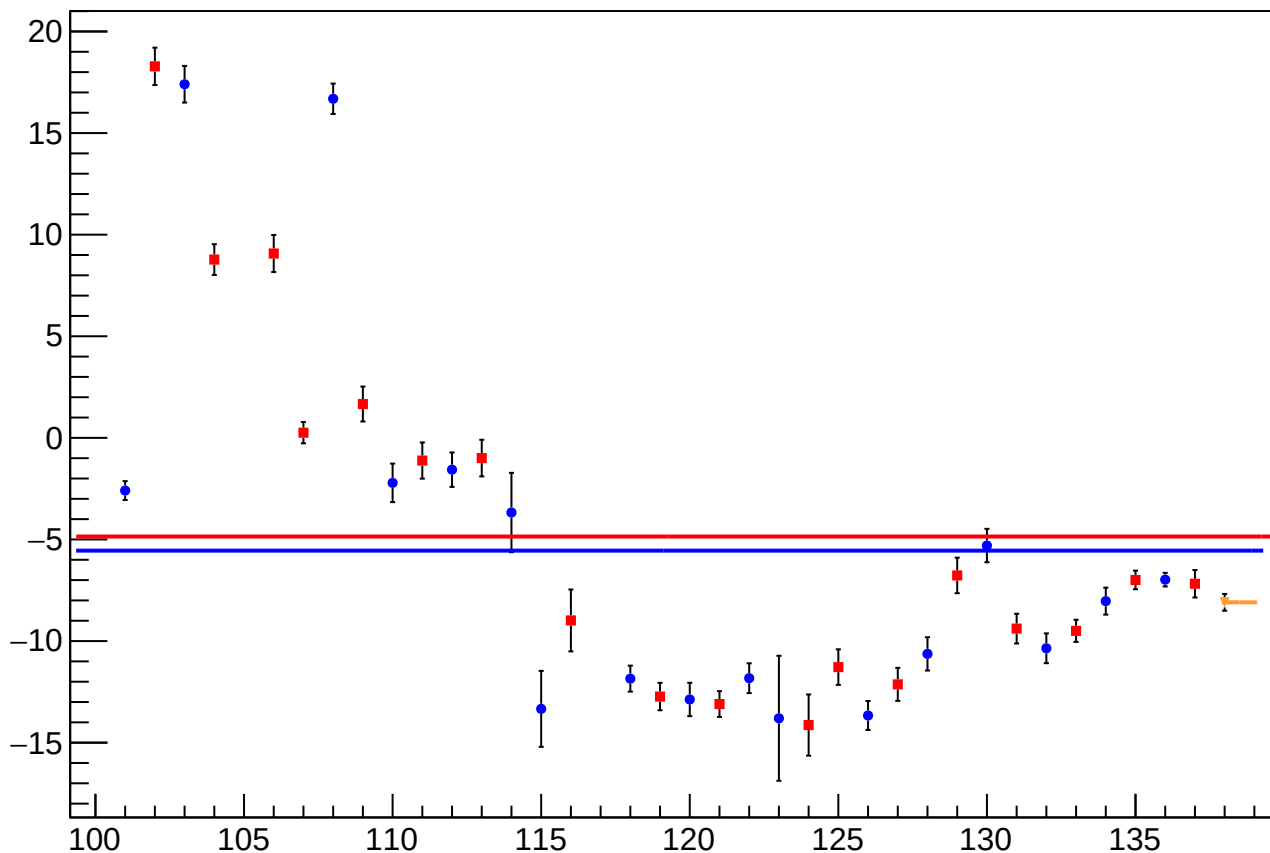
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -0.014 $\pm$ 0.221  $\chi^2$ /NDF: 1360.0/17

All: 2.791 $\pm$ 0.172  $\chi^2$ /NDF: 1950.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: -5.550+/-0.170  $\chi^2$ /NDF: 2126.6/16

Left Out: -8.093+/-0.413  $\chi^2$ /NDF: 0.0/0

Right Out: -4.854+/-0.173  $\chi^2$ /NDF: 2013.1/17

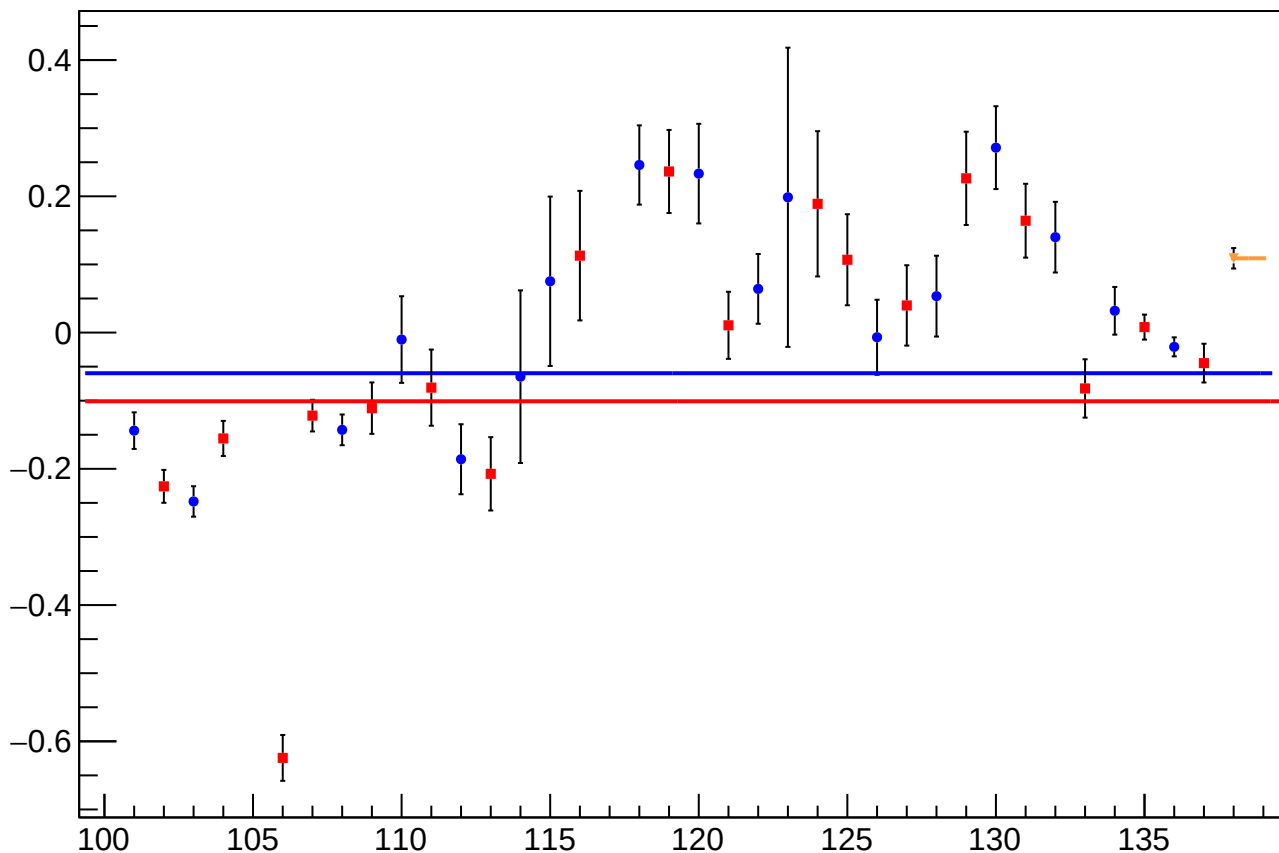
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign -5.918+/-0.157  $\chi^2$ /NDF: 2159.0/17

All: -5.436+/-0.116  $\chi^2$ /NDF: 4192.9/35

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.060 \pm 0.008$   $\chi^2/\text{NDF}$ : 216.6/16

Left Out:  $0.109 \pm 0.015$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.101 \pm 0.008$   $\chi^2/\text{NDF}$ : 428.4/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

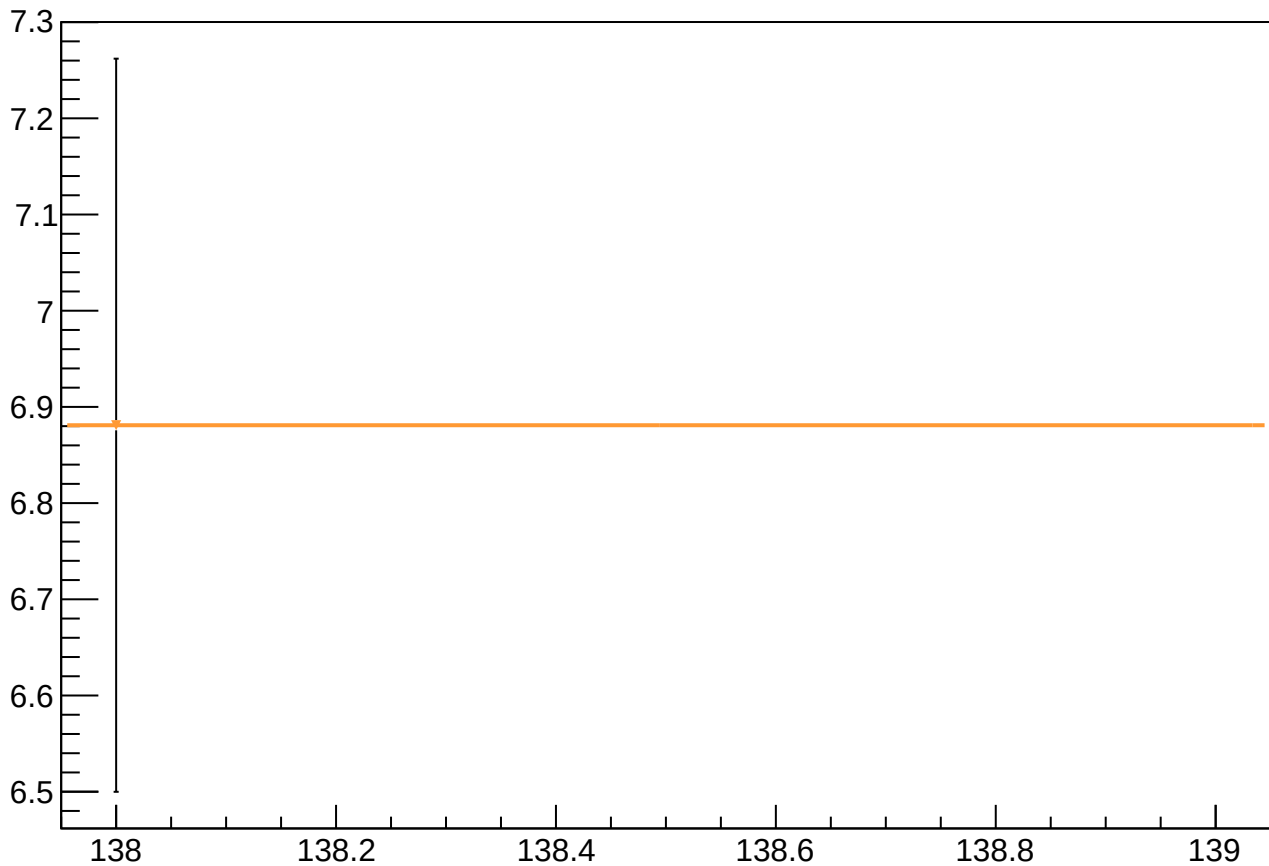
+ sign  $-0.019 \pm 0.007$   $\chi^2/\text{NDF}$ : 312.9/17

All:  $-0.054 \pm 0.006$   $\chi^2/\text{NDF}$ : 794.3/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



reg\_asym\_sam\_15\_37\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 6.881 $\pm$ 0.381  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

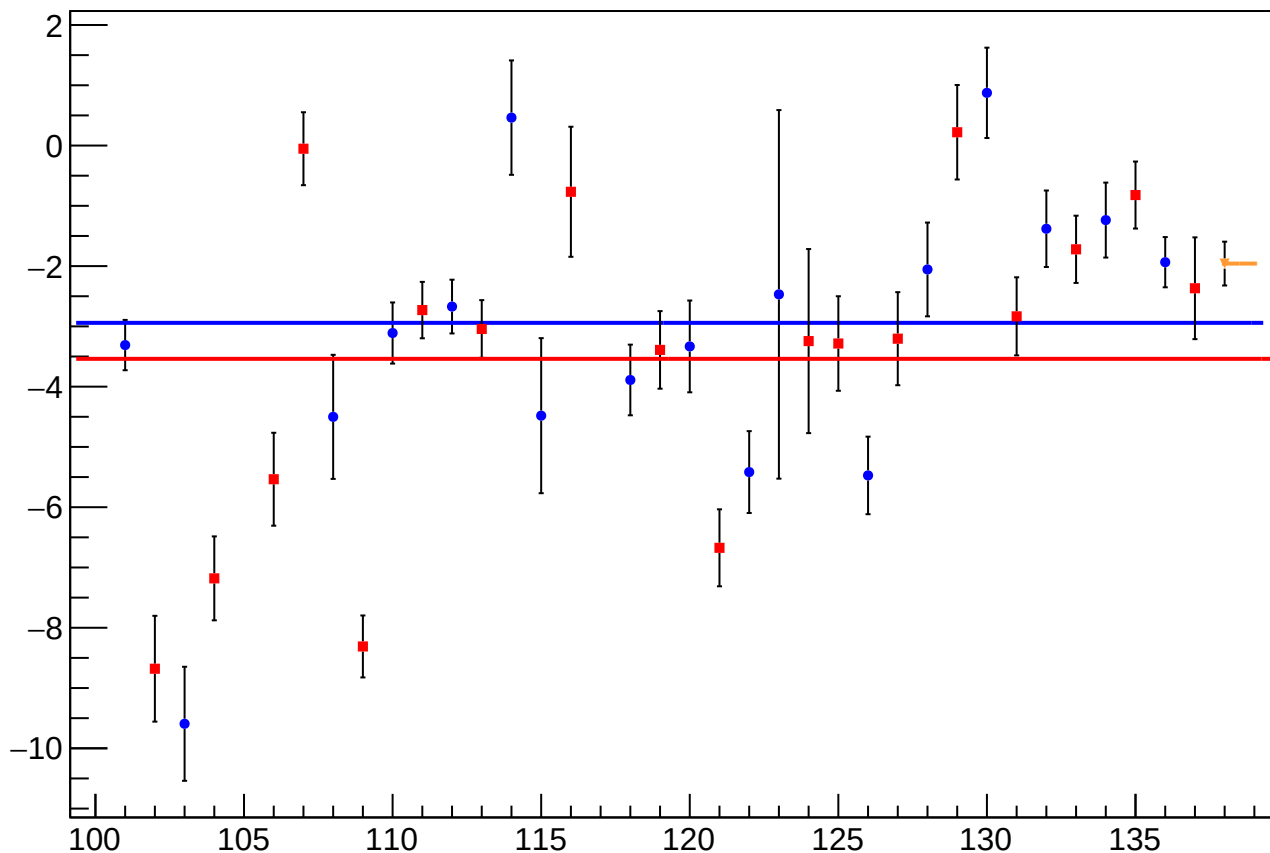
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.881 $\pm$ 0.381  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-2.941 \pm 0.154$   $\chi^2/\text{NDF}$ : 145.6/16

Left Out:  $-1.958 \pm 0.363$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.538 \pm 0.155$   $\chi^2/\text{NDF}$ : 283.6/17

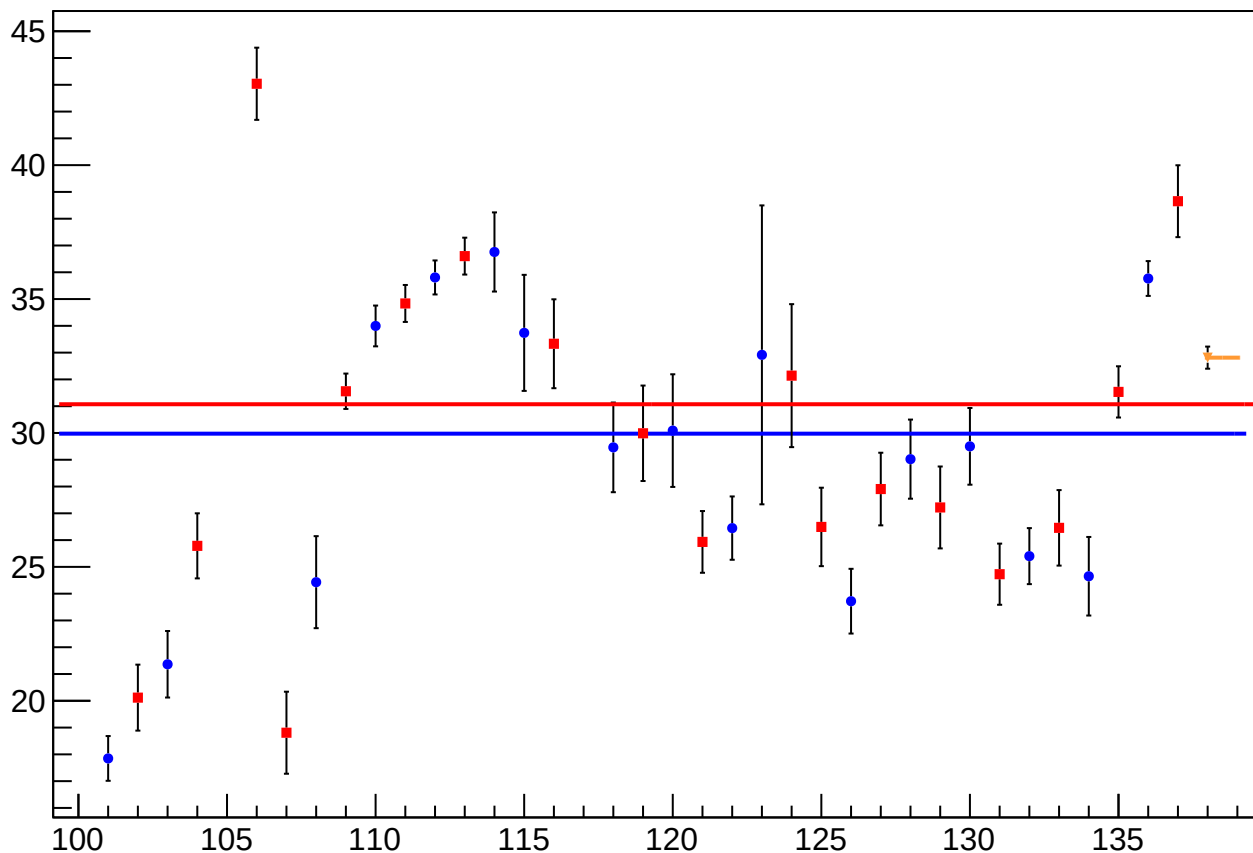
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-2.791 \pm 0.142$   $\chi^2/\text{NDF}$ : 151.8/17

All:  $-3.133 \pm 0.105$   $\chi^2/\text{NDF}$ : 448.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 29.974 $\pm$ 0.267  $\chi^2$ /NDF: 553.9/16

Left Out: 32.812 $\pm$ 0.413  $\chi^2$ /NDF: 0.0/0

Right Out: 31.073 $\pm$ 0.260  $\chi^2$ /NDF: 453.4/17

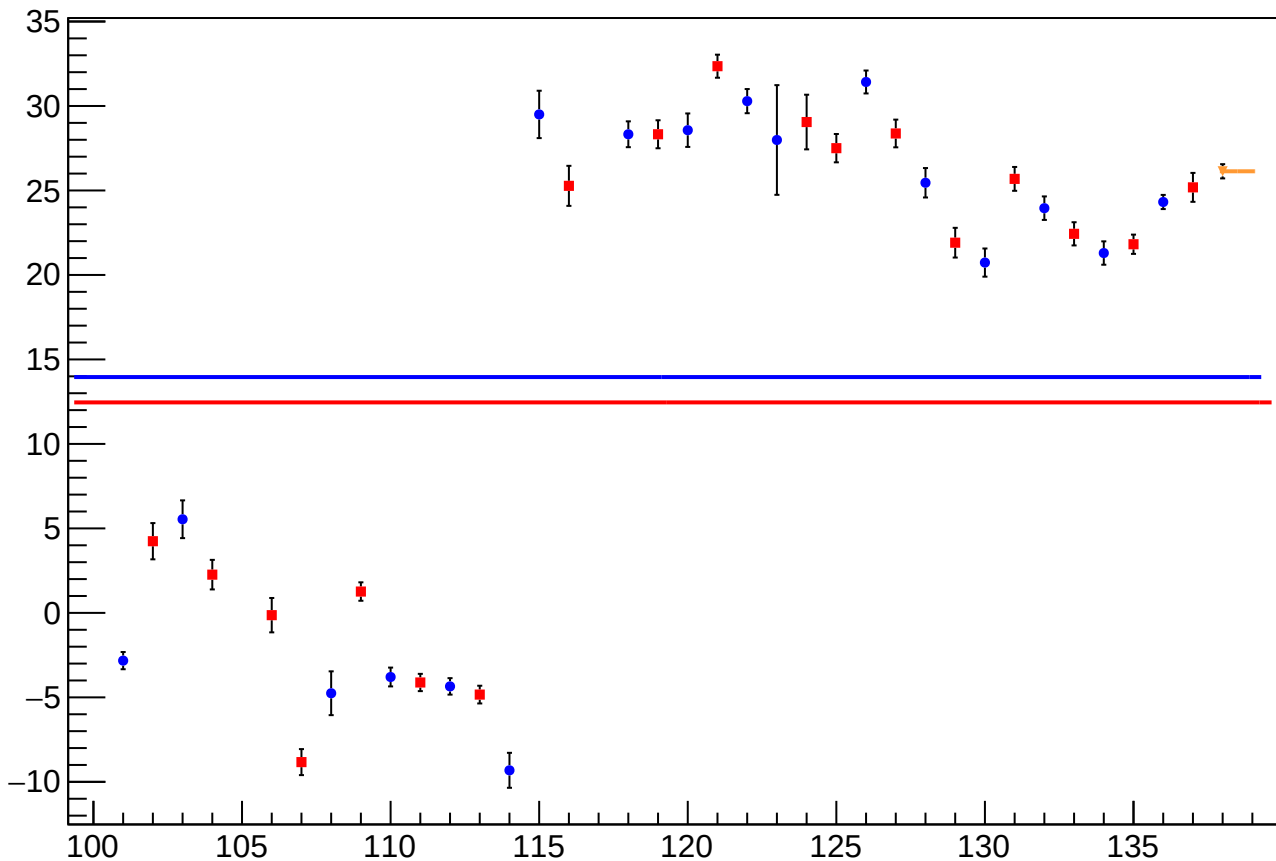
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 30.812 $\pm$ 0.224  $\chi^2$ /NDF: 587.2/17

All: 30.923 $\pm$ 0.170  $\chi^2$ /NDF: 1041.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 13.957 $\pm$ 0.172  $\chi^2$ /NDF: 7348.7/16

Left Out: 26.135 $\pm$ 0.421  $\chi^2$ /NDF:0.0/0

Right Out: 12.457 $\pm$ 0.174  $\chi^2$ /NDF: 6979.9/17

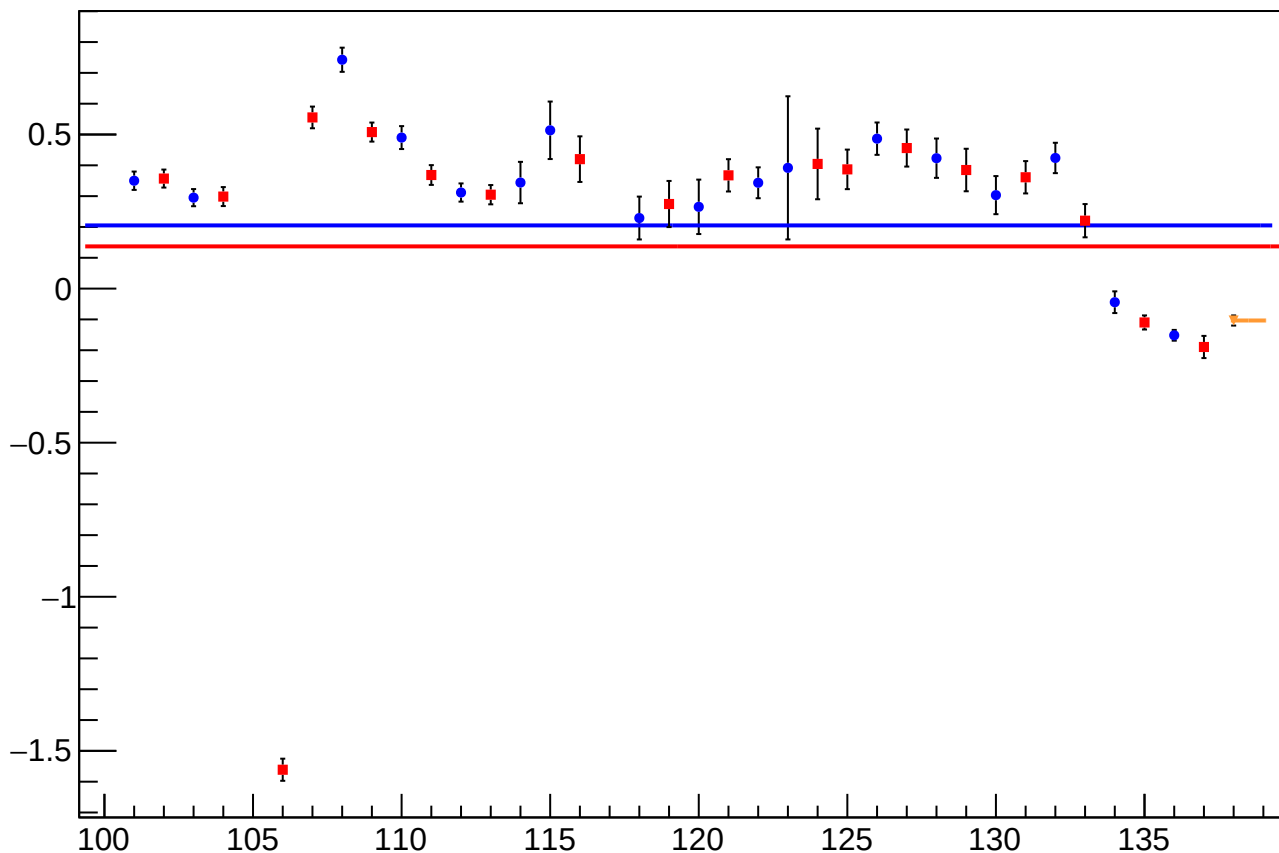
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 15.703 $\pm$ 0.159  $\chi^2$ /NDF: 8064.9/17

All: 14.219 $\pm$ 0.117  $\chi^2$ /NDF: 15234.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.205 $\pm$ 0.009  $\chi^2$ /NDF: 846.7/16

Left Out: -0.103 $\pm$ 0.016  $\chi^2$ /NDF: 0.0/0

Right Out: 0.137 $\pm$ 0.009  $\chi^2$ /NDF: 3007.9/17

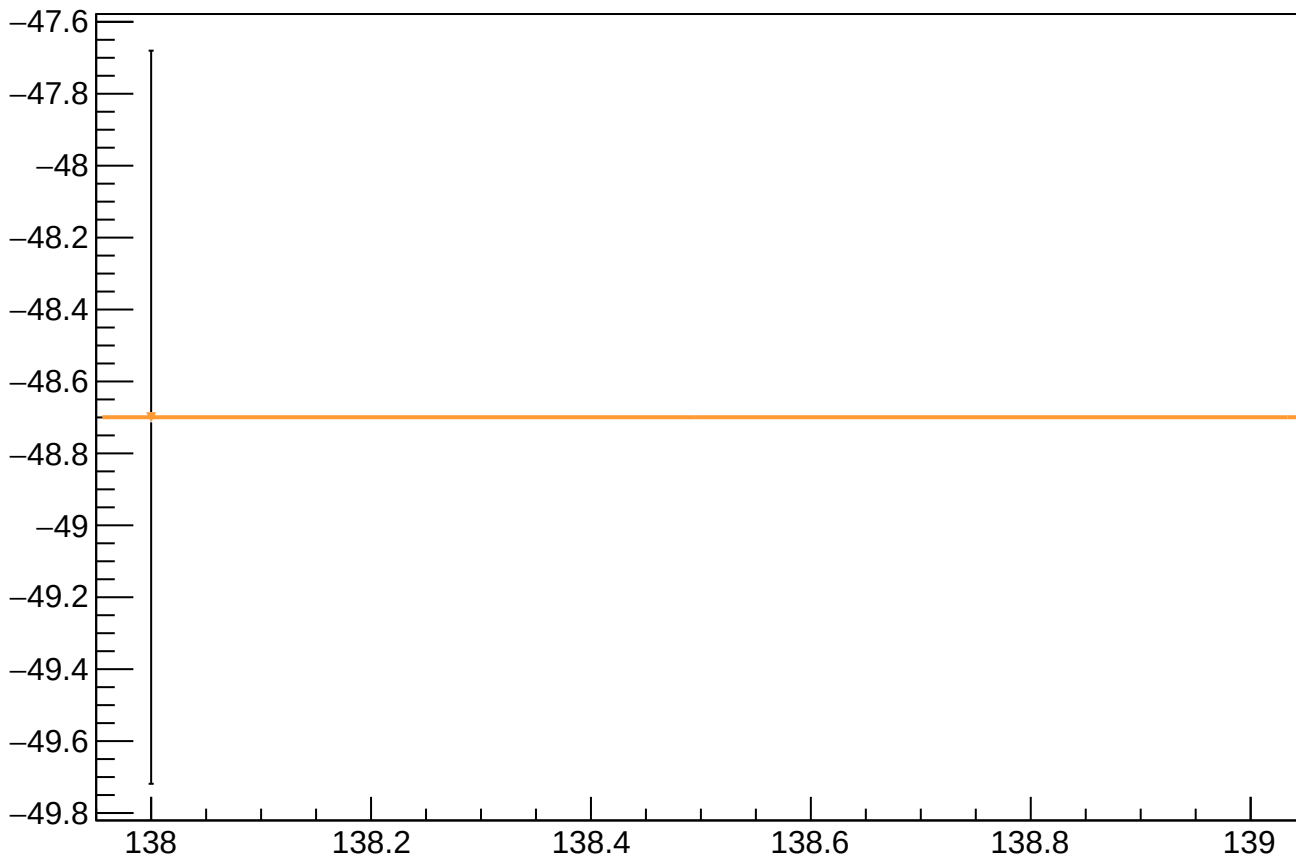
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.129 $\pm$ 0.008  $\chi^2$ /NDF: 1112.4/17

All: 0.133 $\pm$ 0.006  $\chi^2$ /NDF: 4120.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -48.699+/-1.019  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

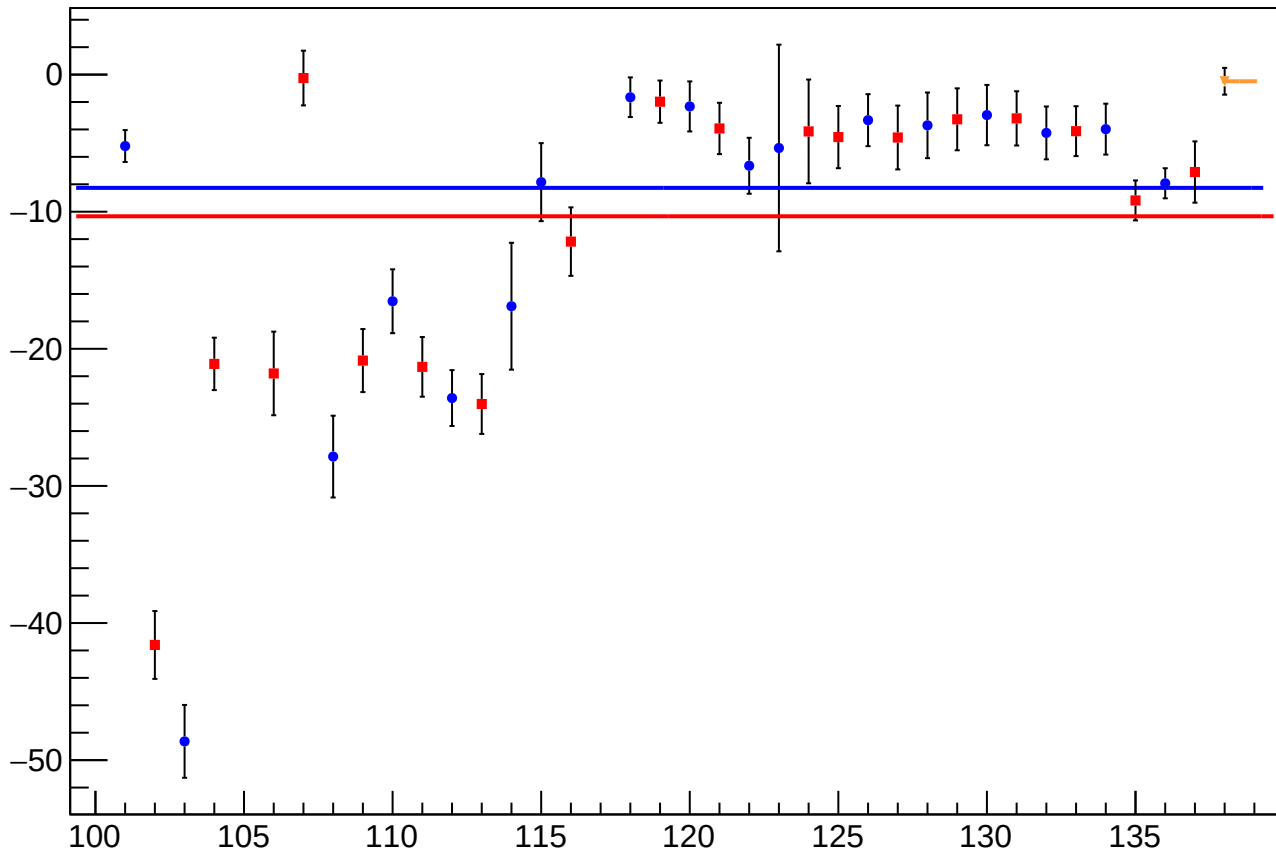
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -48.699+/-1.019  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-8.261 \pm 0.463$   $\chi^2/\text{NDF}$ : 411.9/16

Left Out:  $-0.487 \pm 0.977$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-10.334 \pm 0.491$   $\chi^2/\text{NDF}$ : 410.9/17

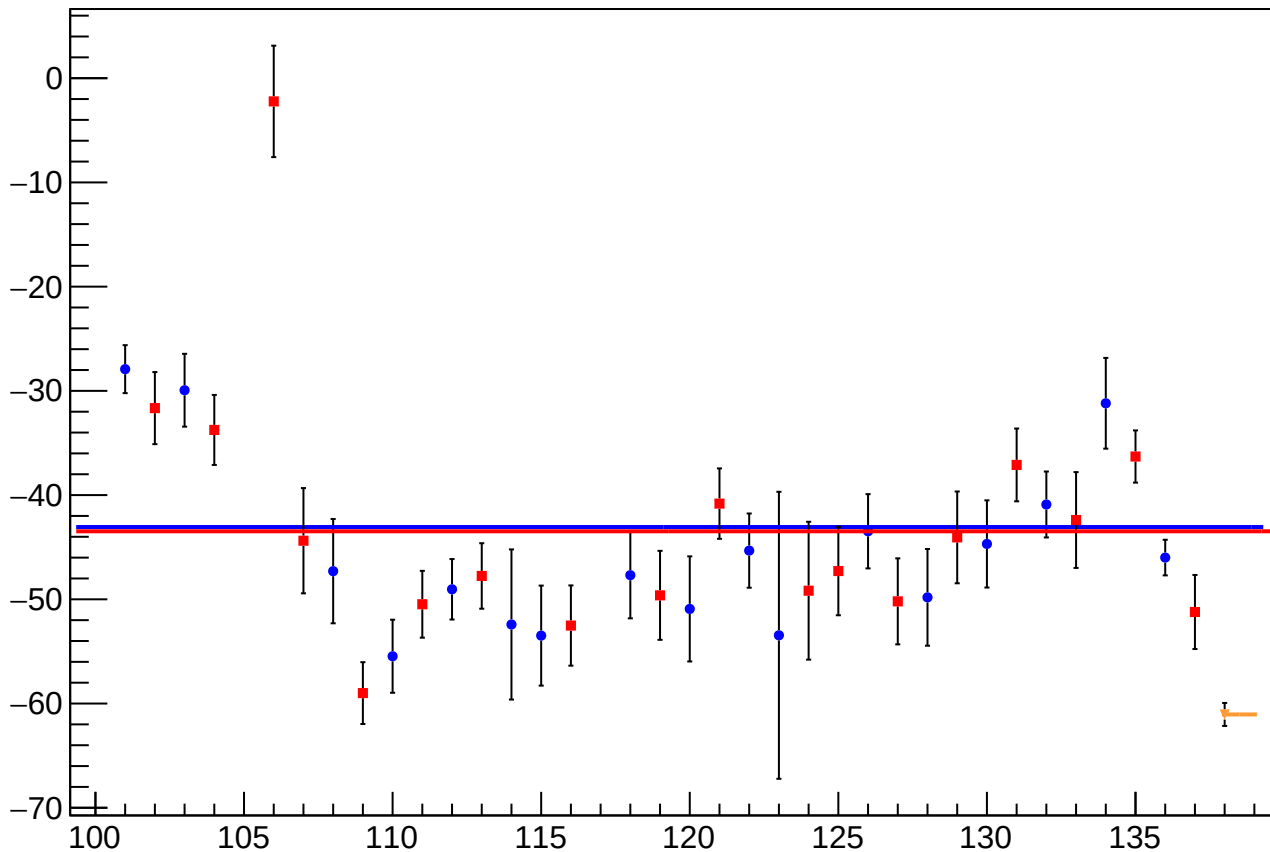
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-6.837 \pm 0.418$   $\chi^2/\text{NDF}$ : 463.6/17

All:  $-8.306 \pm 0.318$   $\chi^2/\text{NDF}$ : 904.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-43.064 \pm 0.835$   $\chi^2/\text{NDF}$ : 99.0/16

Left Out:  $-61.048 \pm 1.105$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-43.473 \pm 0.869$   $\chi^2/\text{NDF}$ : 142.3/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

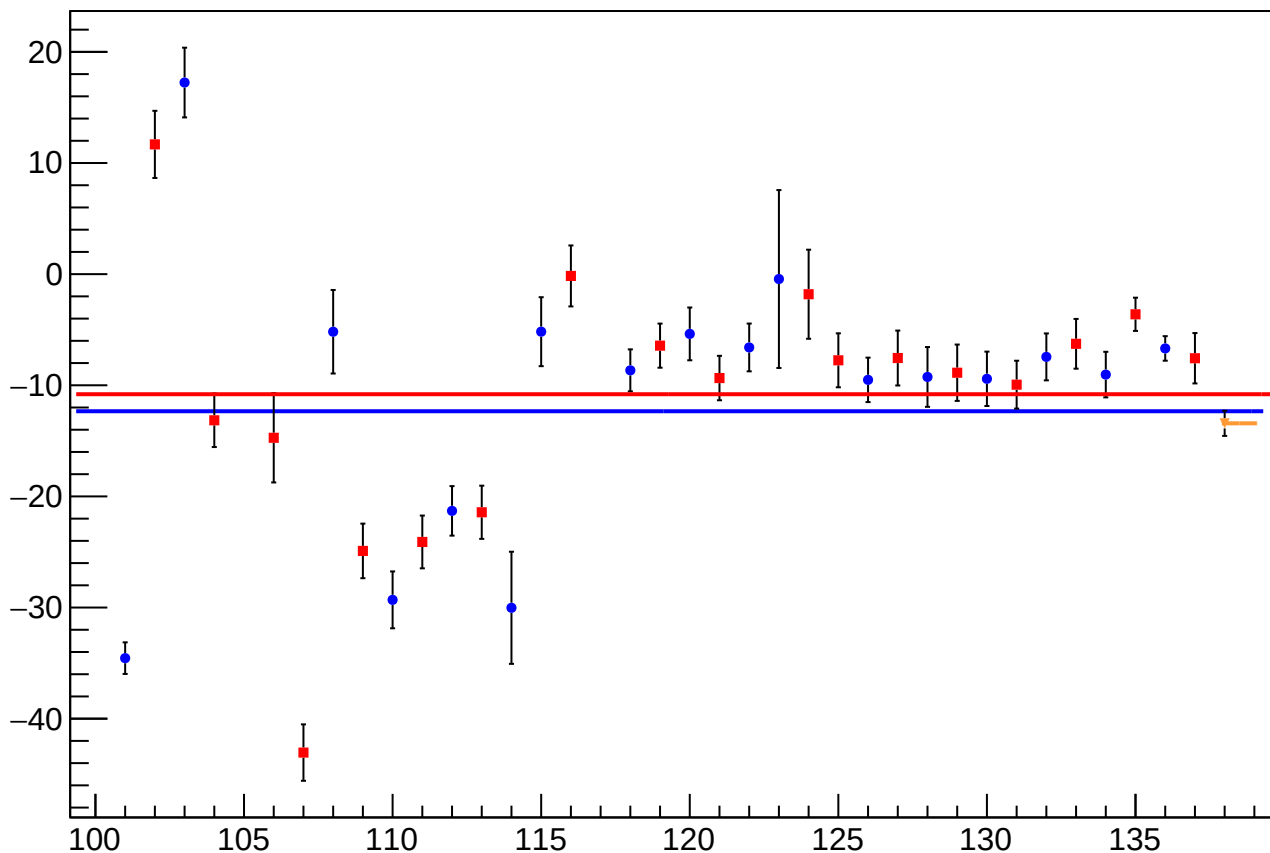
+ sign  $-49.607 \pm 0.666$   $\chi^2/\text{NDF}$ : 267.7/17

All:  $-47.335 \pm 0.529$   $\chi^2/\text{NDF}$ : 441.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-12.336 \pm 0.520$   $\chi^2/\text{NDF}$ : 475.2/16

Left Out:  $-13.424 \pm 1.132$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-10.804 \pm 0.554$   $\chi^2/\text{NDF}$ : 361.4/17

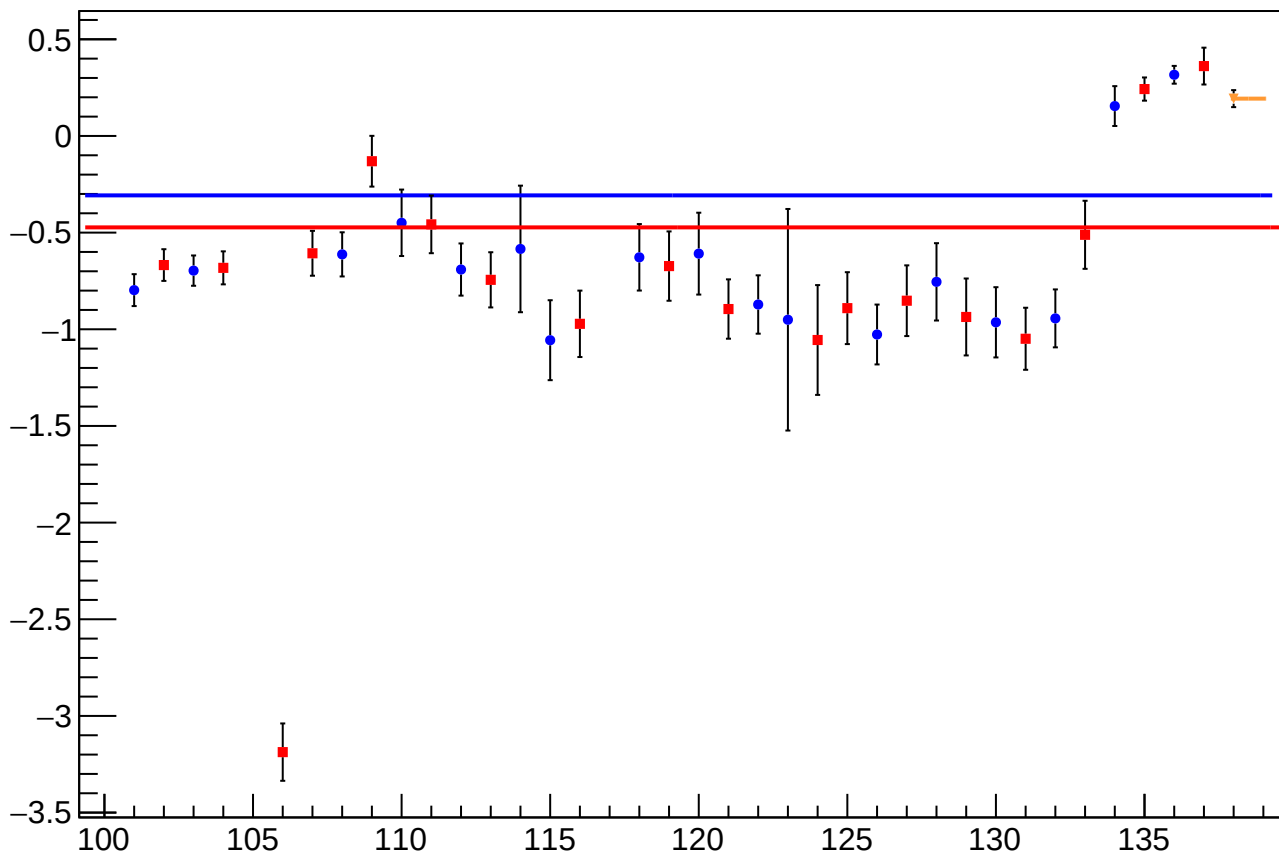
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-12.526 \pm 0.473$   $\chi^2/\text{NDF}$ : 475.9/17

All:  $-11.800 \pm 0.360$   $\chi^2/\text{NDF}$ : 842.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.307 \pm 0.028$   $\chi^2/\text{NDF}$ : 372.2/16

Left Out:  $0.193 \pm 0.044$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.473 \pm 0.029$   $\chi^2/\text{NDF}$ : 626.5/17

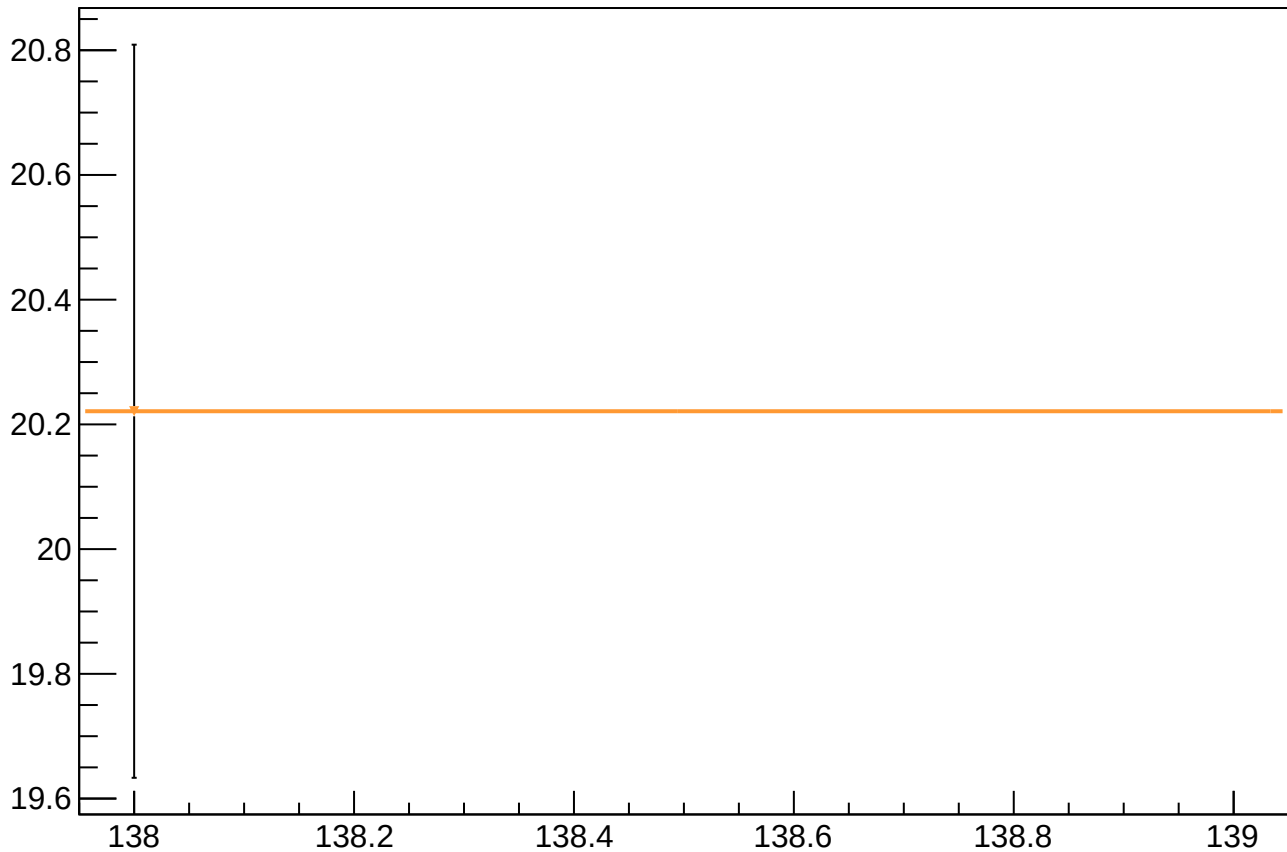
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.167 \pm 0.023$   $\chi^2/\text{NDF}$ : 465.1/17

All:  $-0.289 \pm 0.018$   $\chi^2/\text{NDF}$ : 1160.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 20.221+/-0.588  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

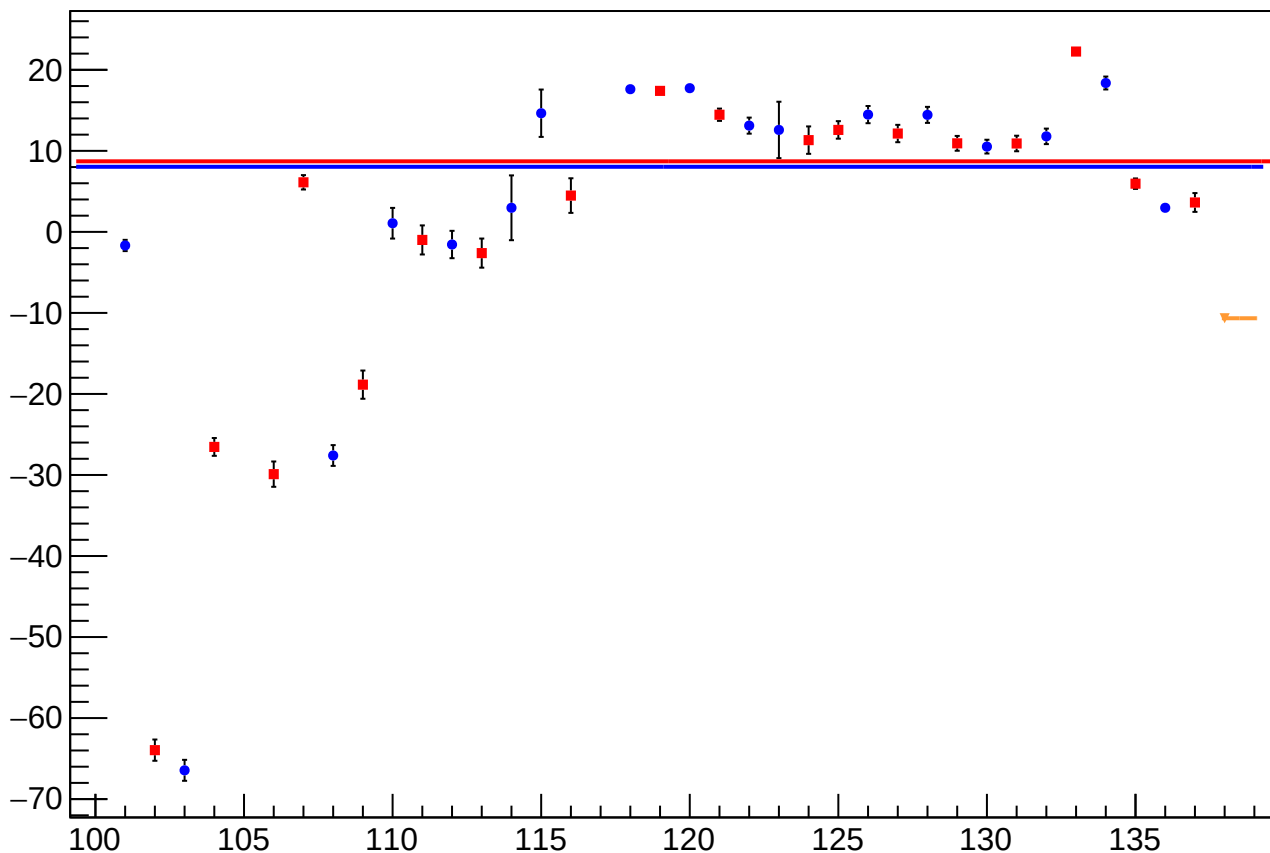
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 20.221+/-0.588  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 8.035+/-0.215  $\chi^2/\text{NDF}$ : 5370.3/16

Left Out: -10.659+/-0.597  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.708+/-0.213  $\chi^2/\text{NDF}$ : 6290.2/17

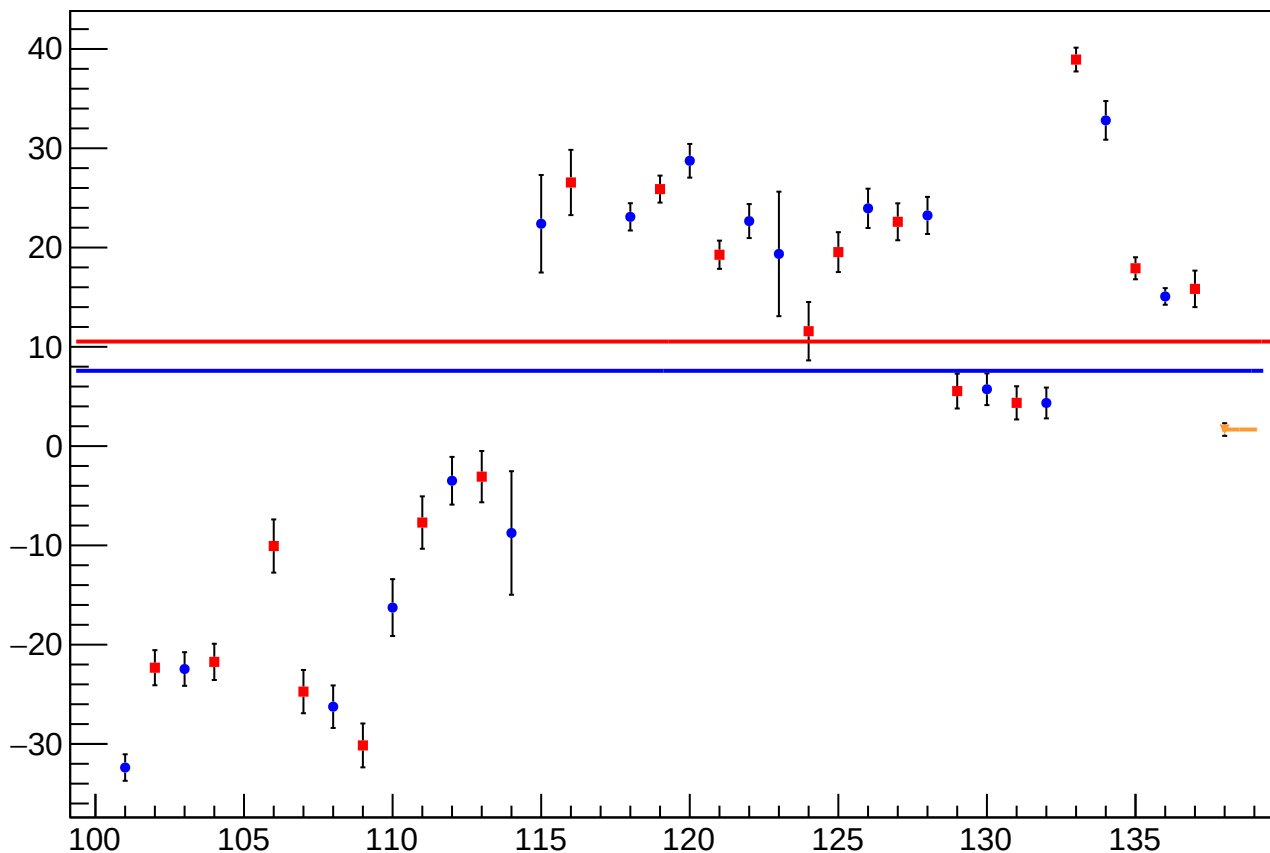
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 5.883+/-0.203  $\chi^2/\text{NDF}$ : 6237.9/17

All: 7.224+/-0.147  $\chi^2/\text{NDF}$ : 12620.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 7.585 $\pm$ 0.416  $\chi^2$ /NDF: 2322.7/16

Left Out: 1.670 $\pm$ 0.637  $\chi^2$ /NDF: 0.0/0

Right Out: 10.532 $\pm$ 0.418  $\chi^2$ /NDF: 2279.5/17

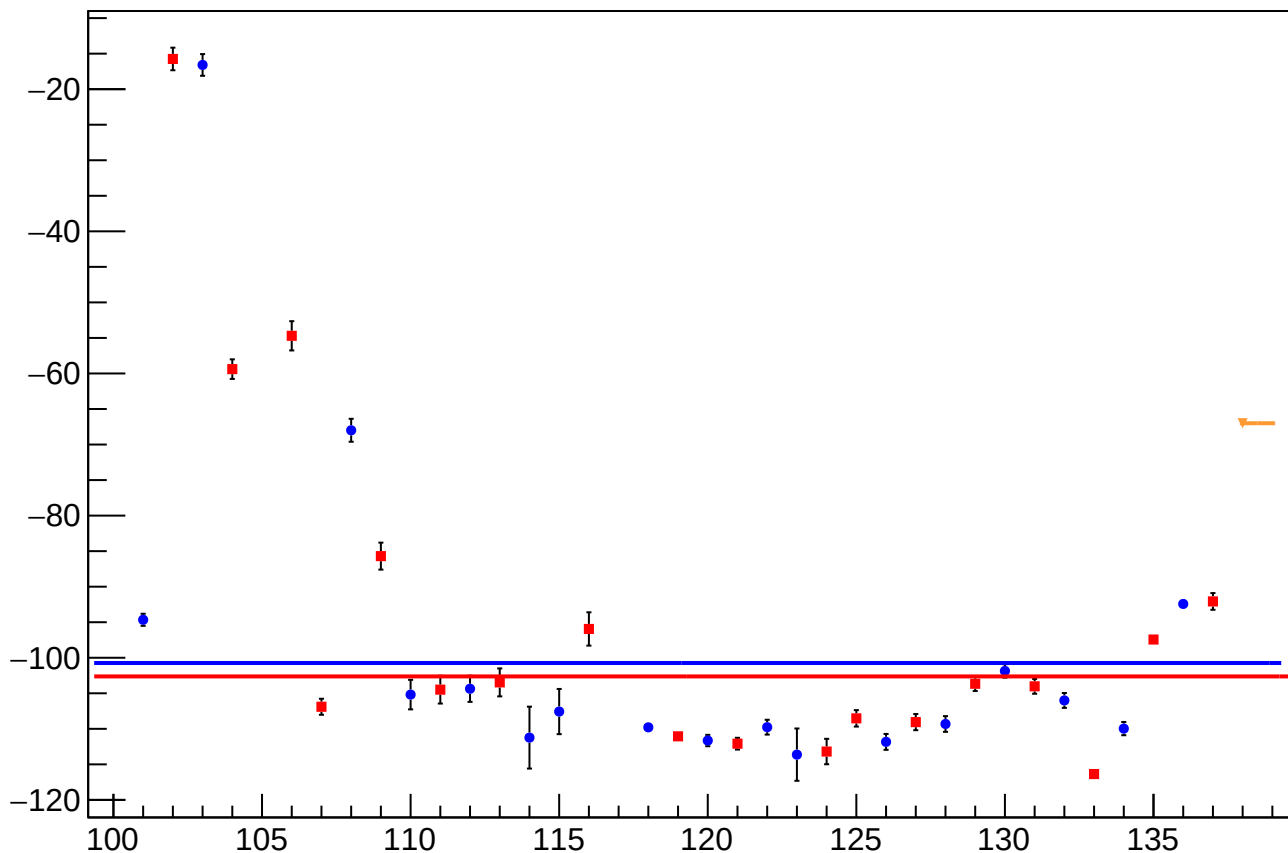
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 5.816 $\pm$ 0.349  $\chi^2$ /NDF: 2383.1/17

All: 7.753 $\pm$ 0.268  $\chi^2$ /NDF: 4737.7/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-100.736 \pm 0.248$   $\chi^2/\text{NDF}$ : 4520.6/16

Left Out:  $-67.003 \pm 0.681$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-102.625 \pm 0.246$   $\chi^2/\text{NDF}$ : 5716.3/17

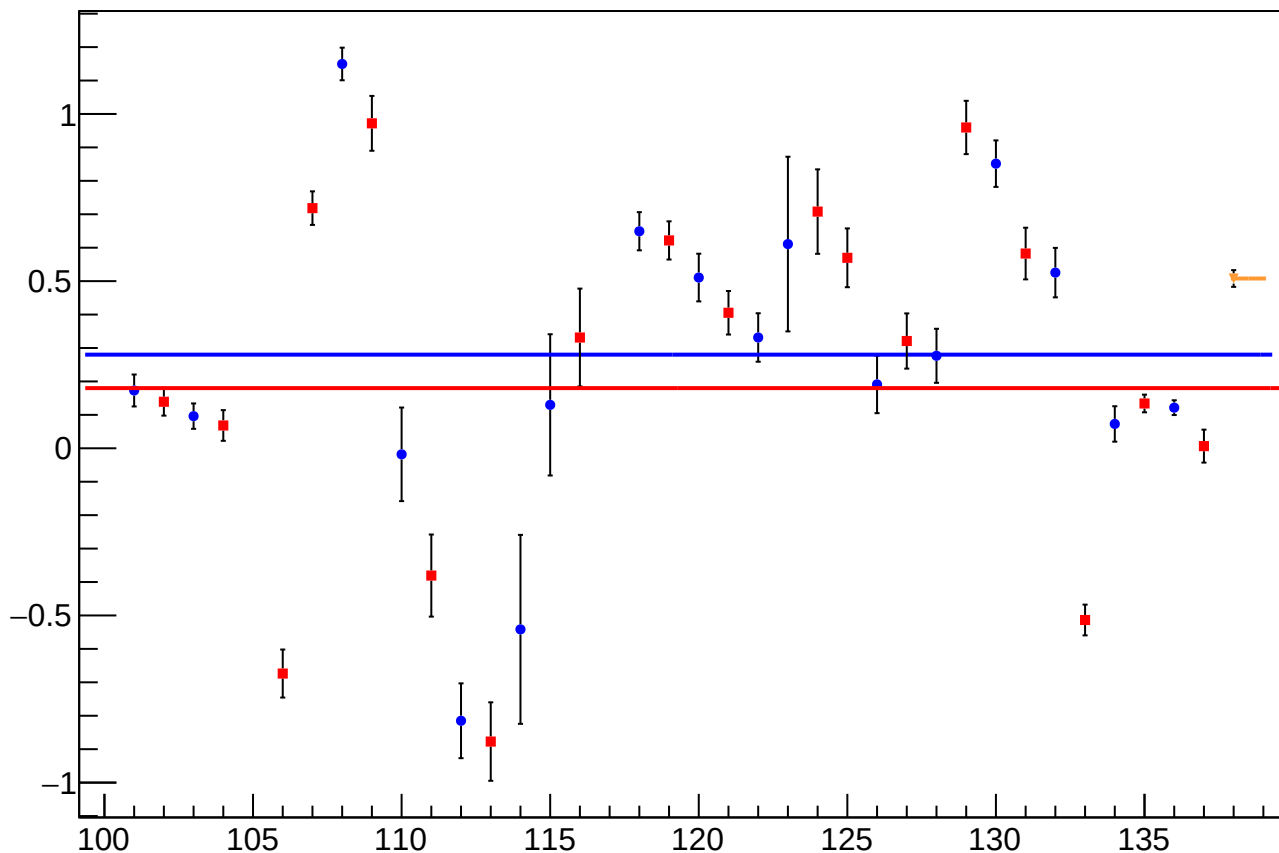
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-96.774 \pm 0.233$   $\chi^2/\text{NDF}$ : 6688.1/17

All:  $-99.543 \pm 0.169$   $\chi^2/\text{NDF}$ : 12702.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.280 $\pm$ 0.013  $\chi^2$ /NDF: 656.4/16

Left Out: 0.508 $\pm$ 0.025  $\chi^2$ /NDF: 0.0/0

Right Out: 0.180 $\pm$ 0.013  $\chi^2$ /NDF: 937.1/17

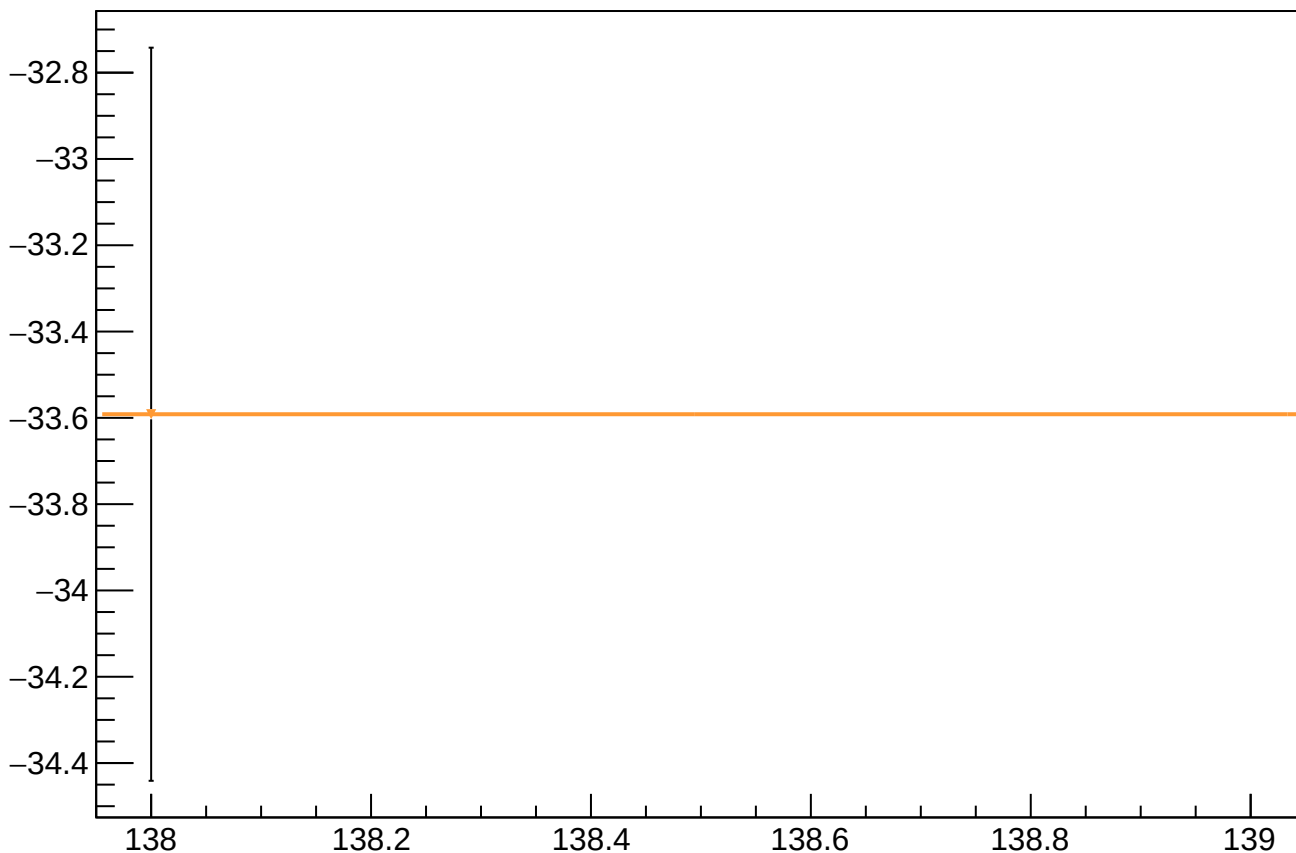
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.331 $\pm$ 0.012  $\chi^2$ /NDF: 720.6/17

All: 0.265 $\pm$ 0.009  $\chi^2$ /NDF: 1728.7/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1548\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -33.592+/-0.850  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

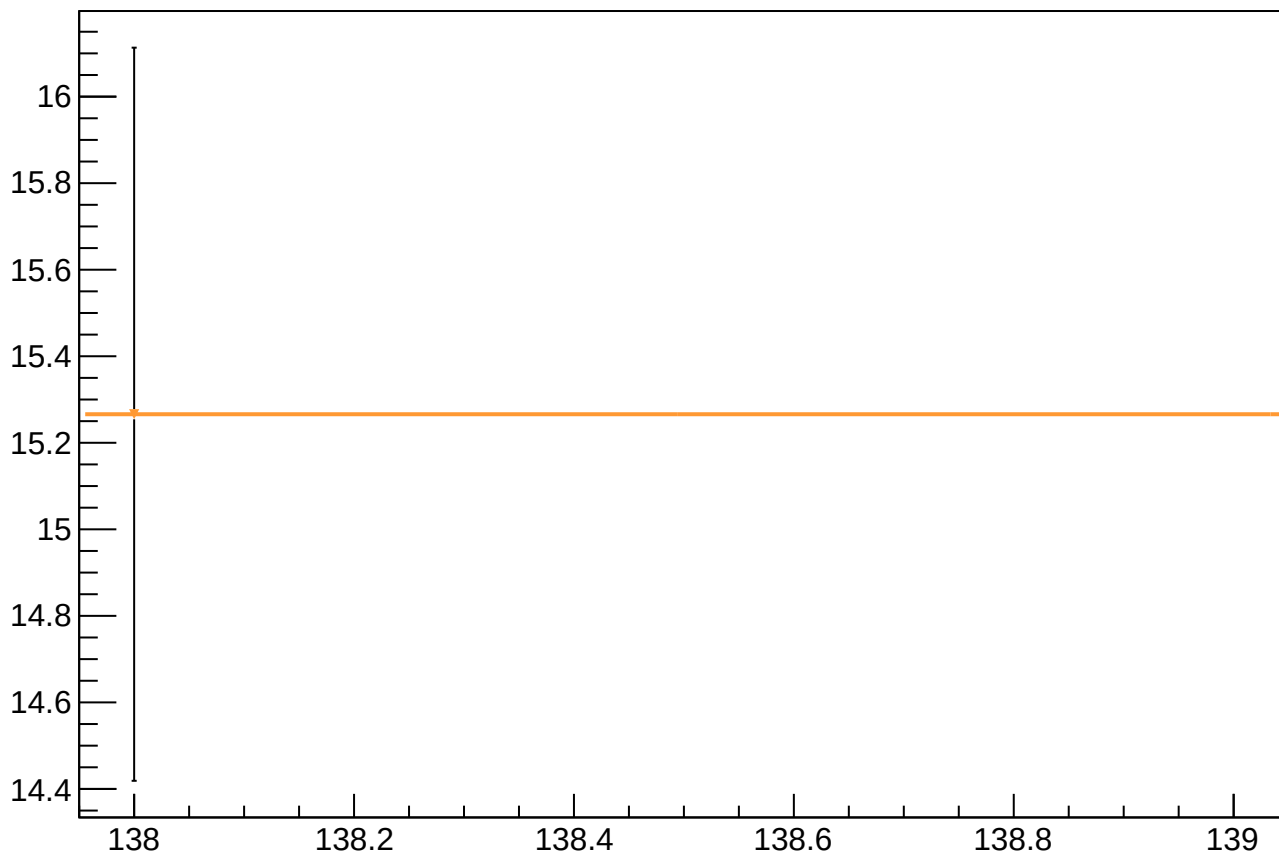
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -33.592+/-0.850  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



reg\_asym\_sam\_1548\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 15.266 $\pm$ 0.847  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

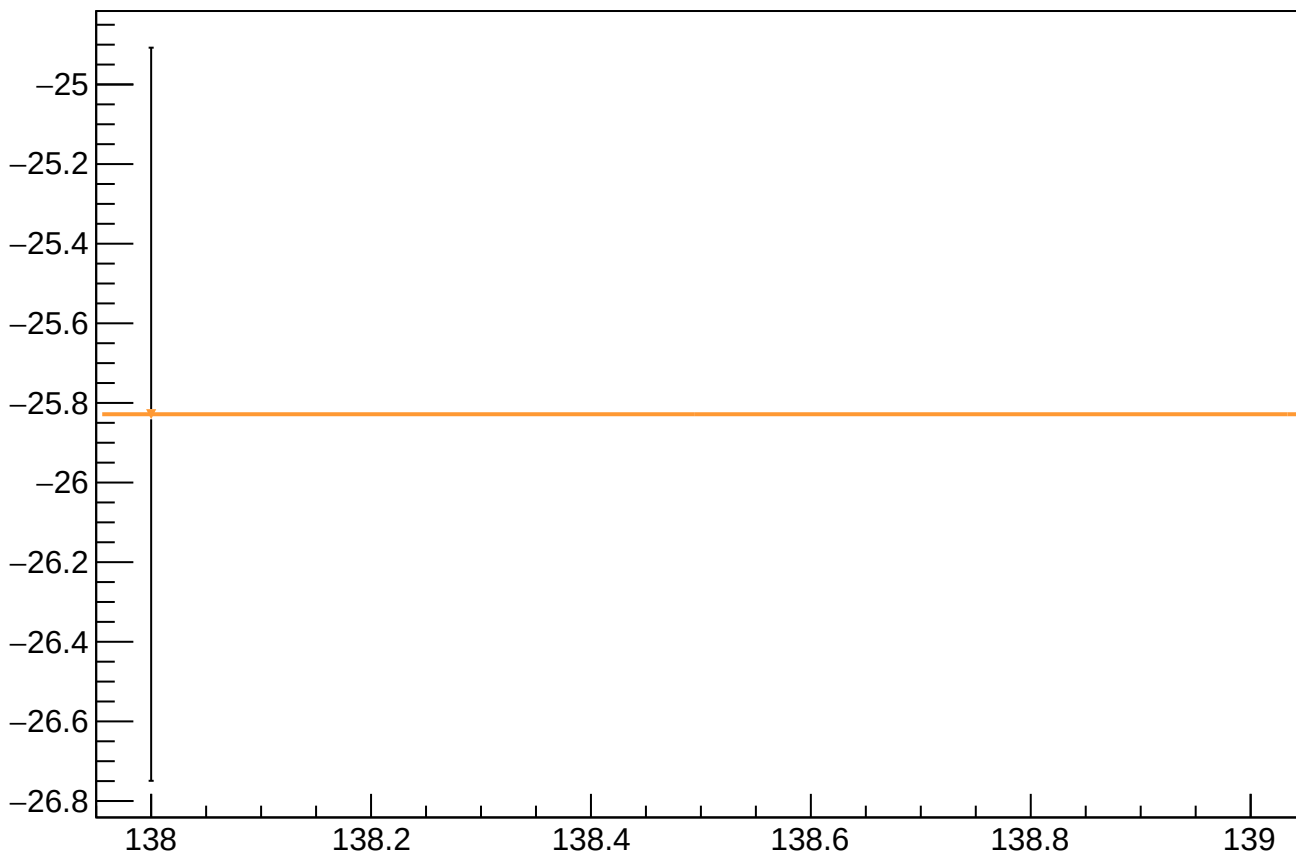
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 15.266 $\pm$ 0.847  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1548\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -25.828+/-0.921  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

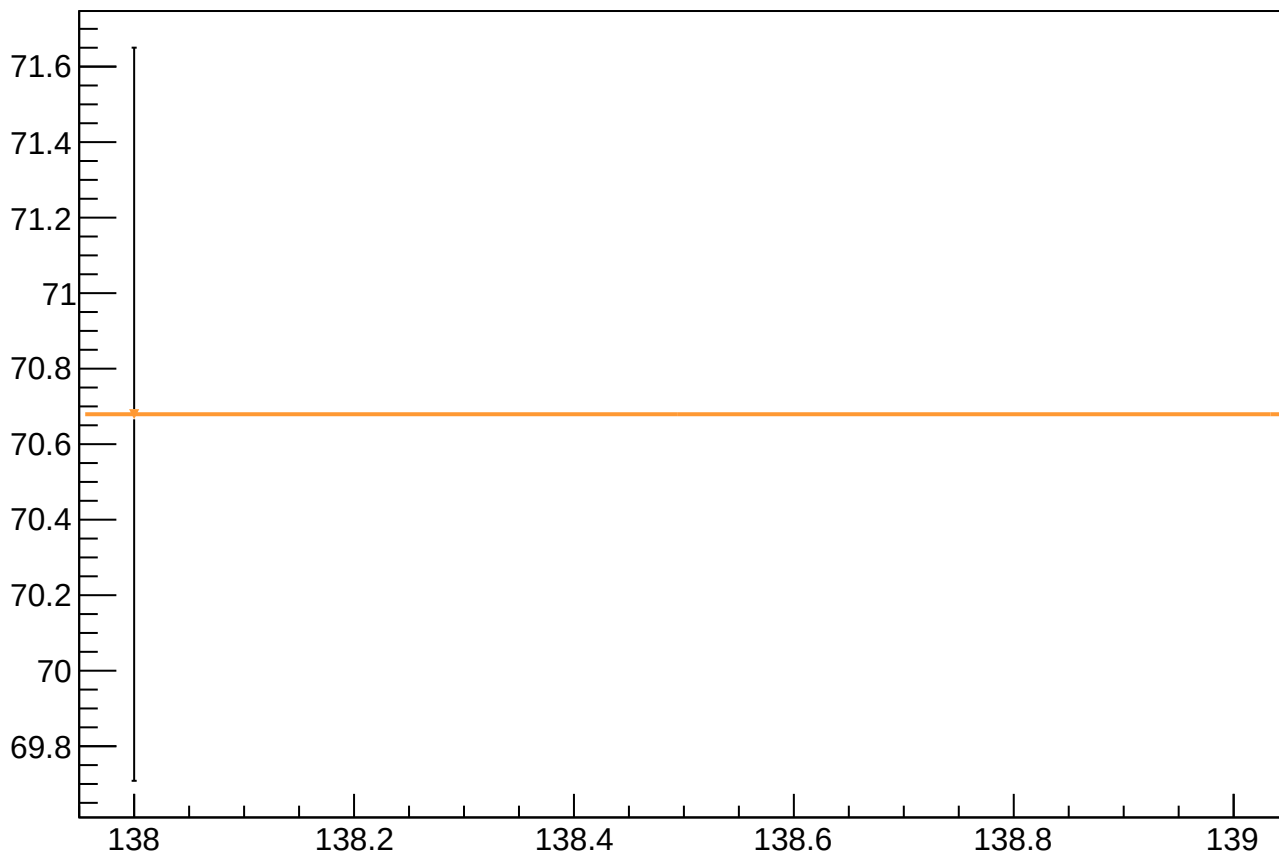
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -25.828+/-0.921  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1548\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 70.679 $\pm$ 0.971  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

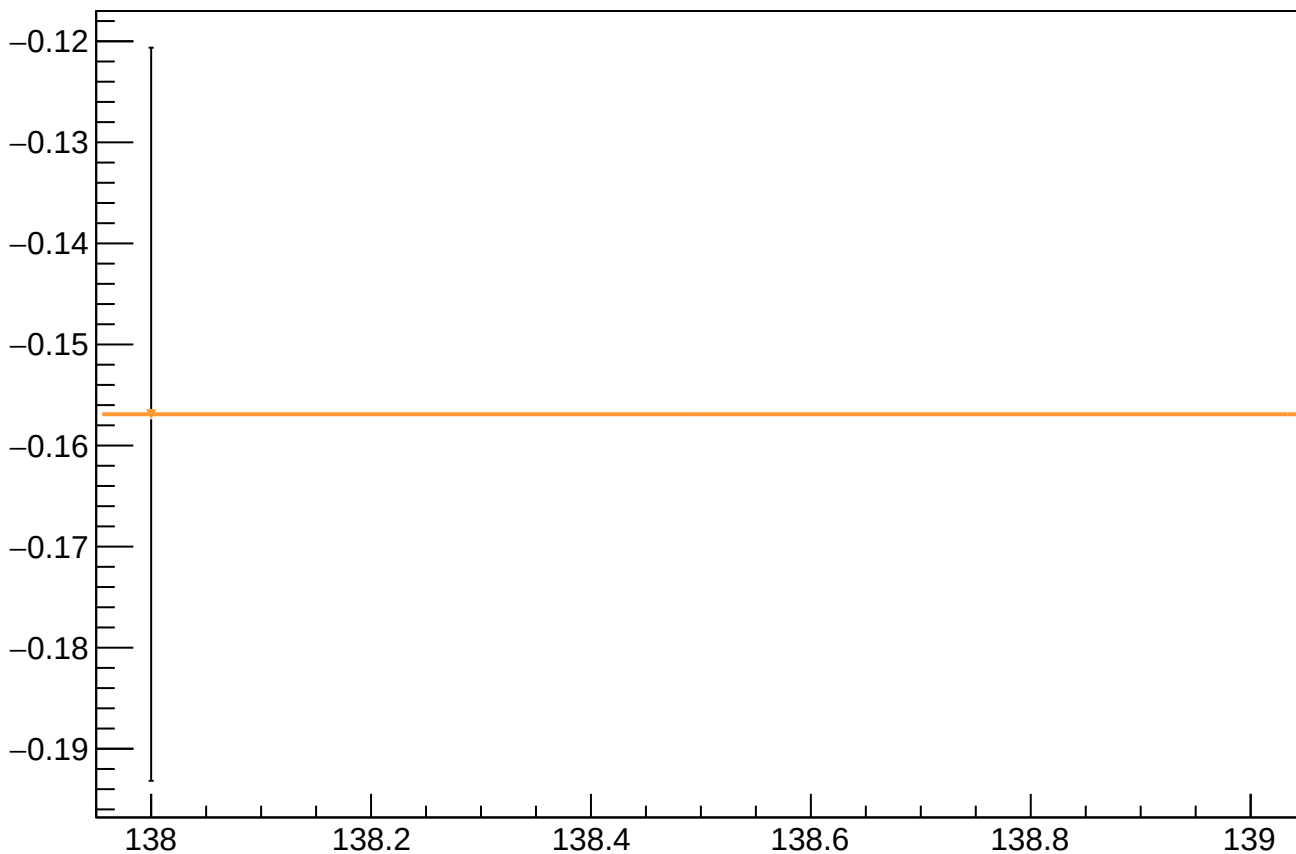
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 70.679 $\pm$ 0.971  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1548\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.157+/-0.036  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

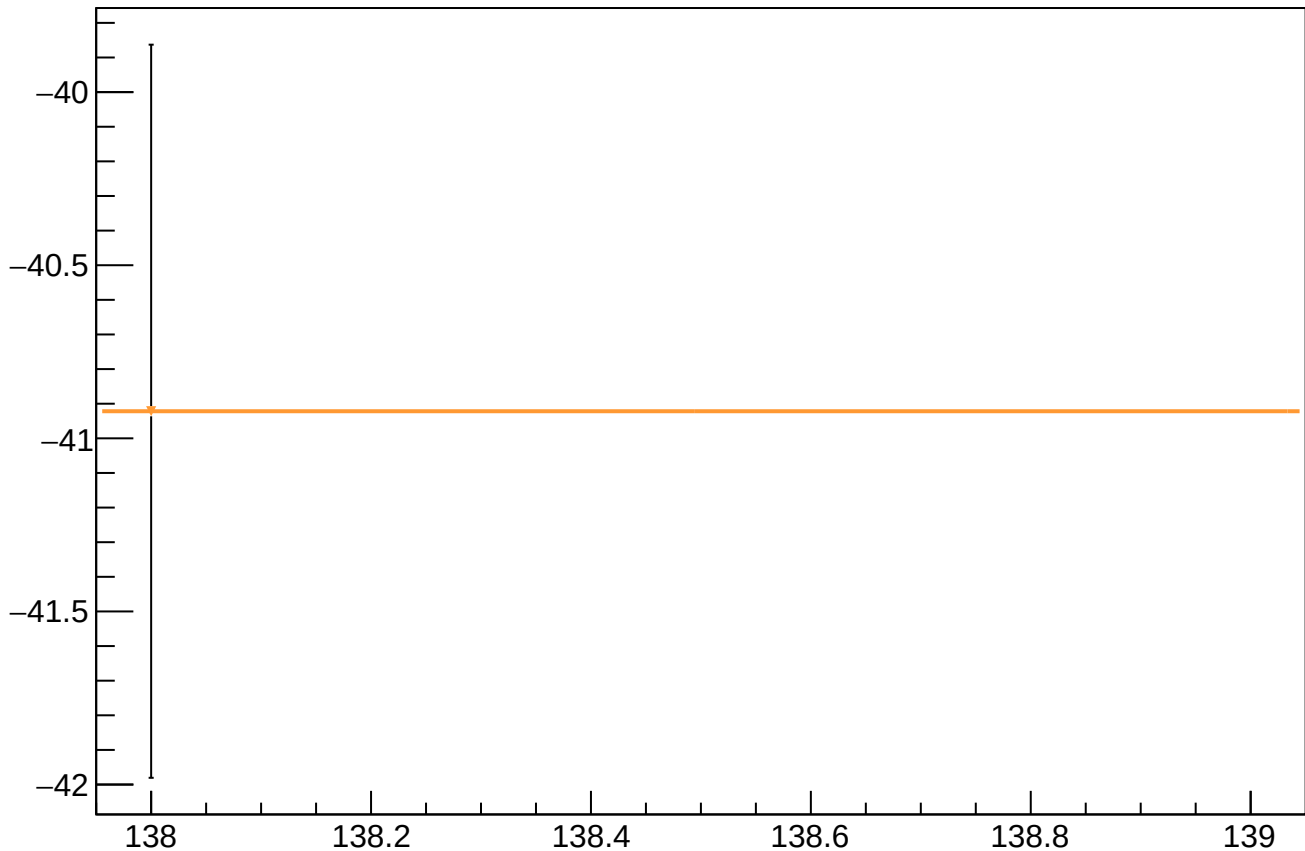
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.157+/-0.036  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_3748\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -40.922+/-1.059  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

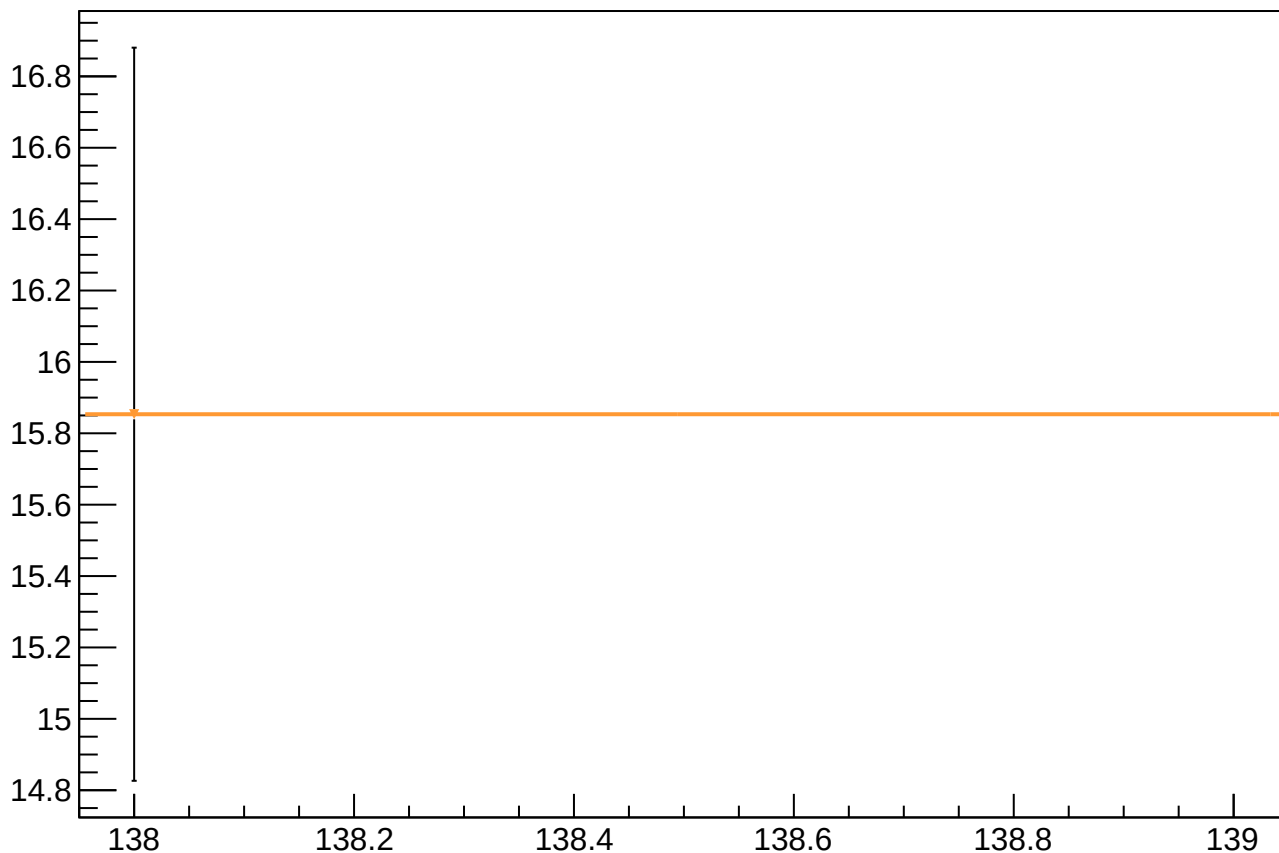
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -40.922+/-1.059  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_3748\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 15.853+/-1.027  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

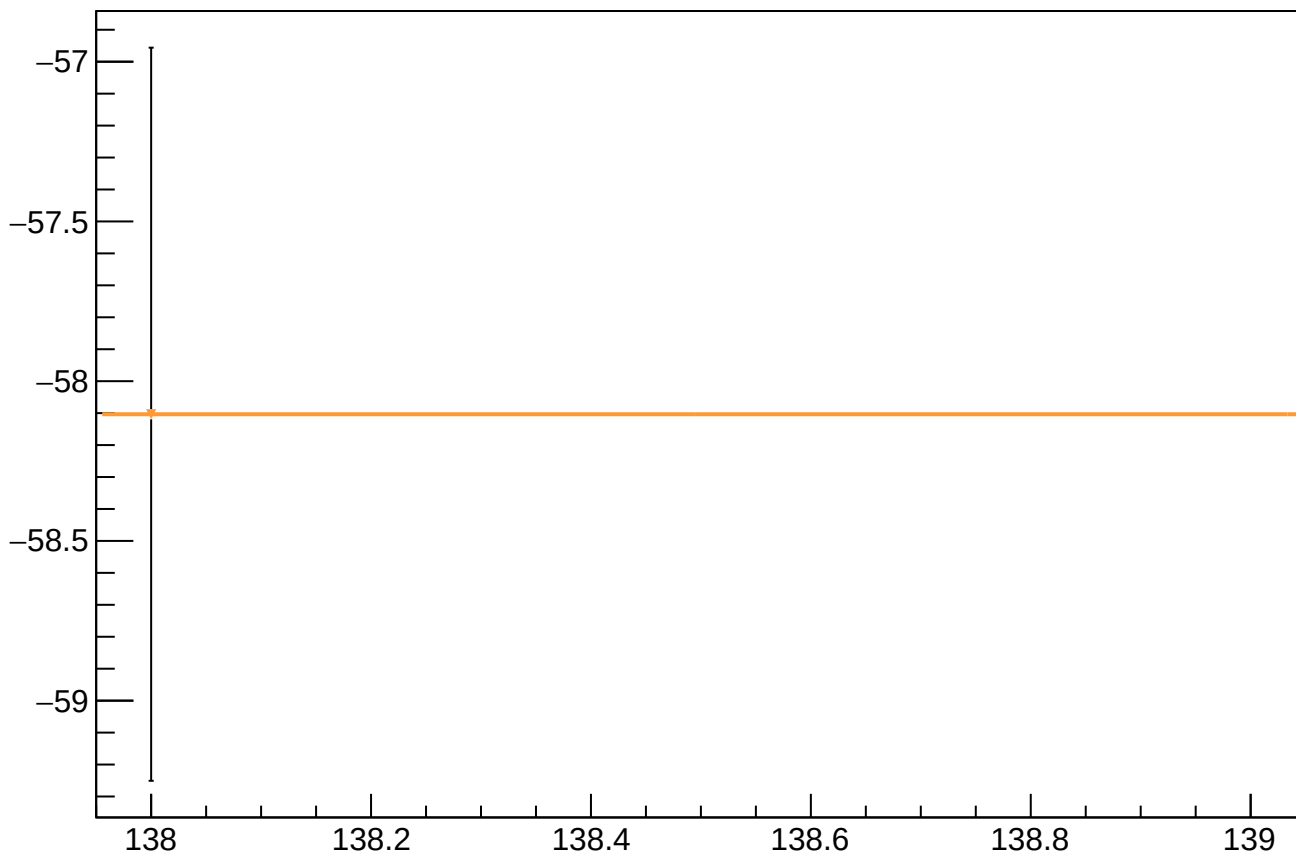
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 15.853+/-1.027  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_3748\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -58.103+/-1.147  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

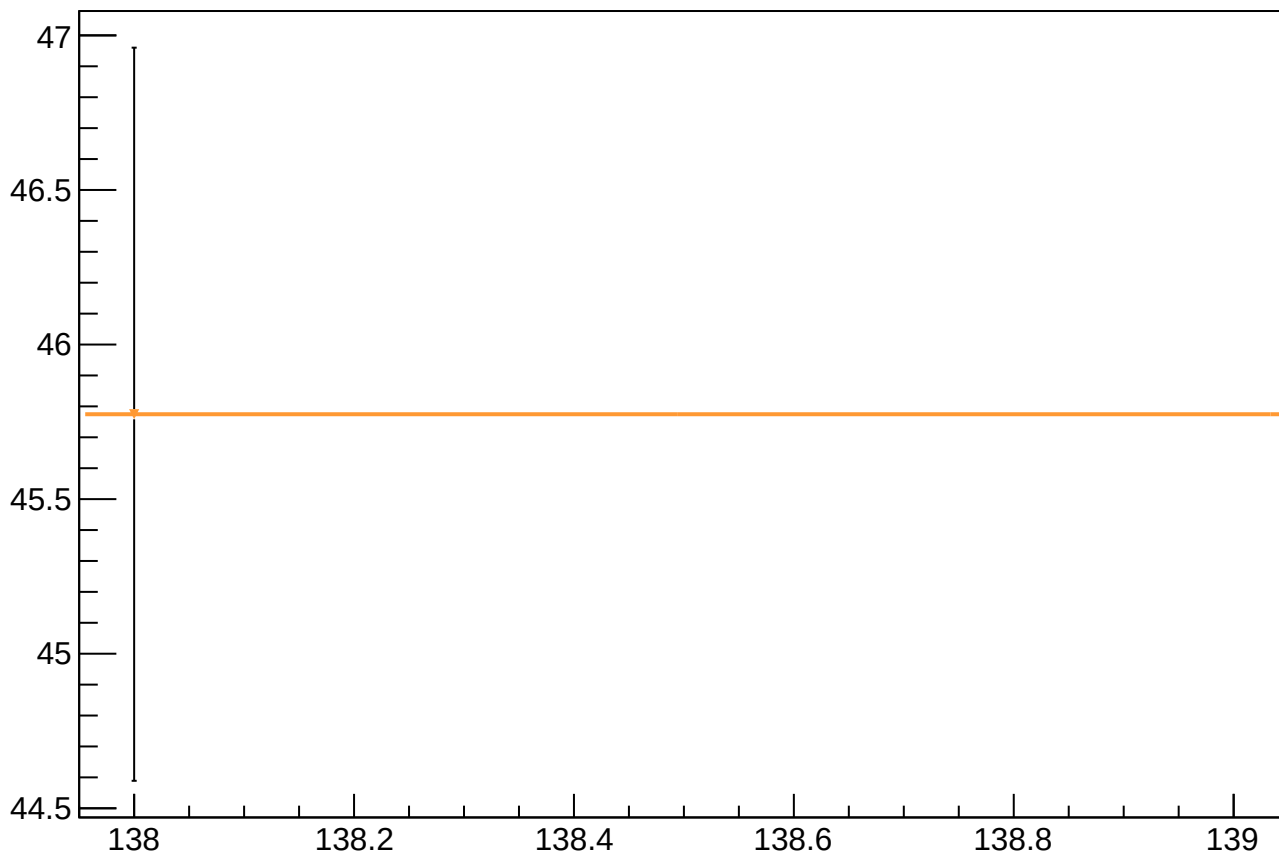
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -58.103+/-1.147  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_3748\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 45.775+/-1.186  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

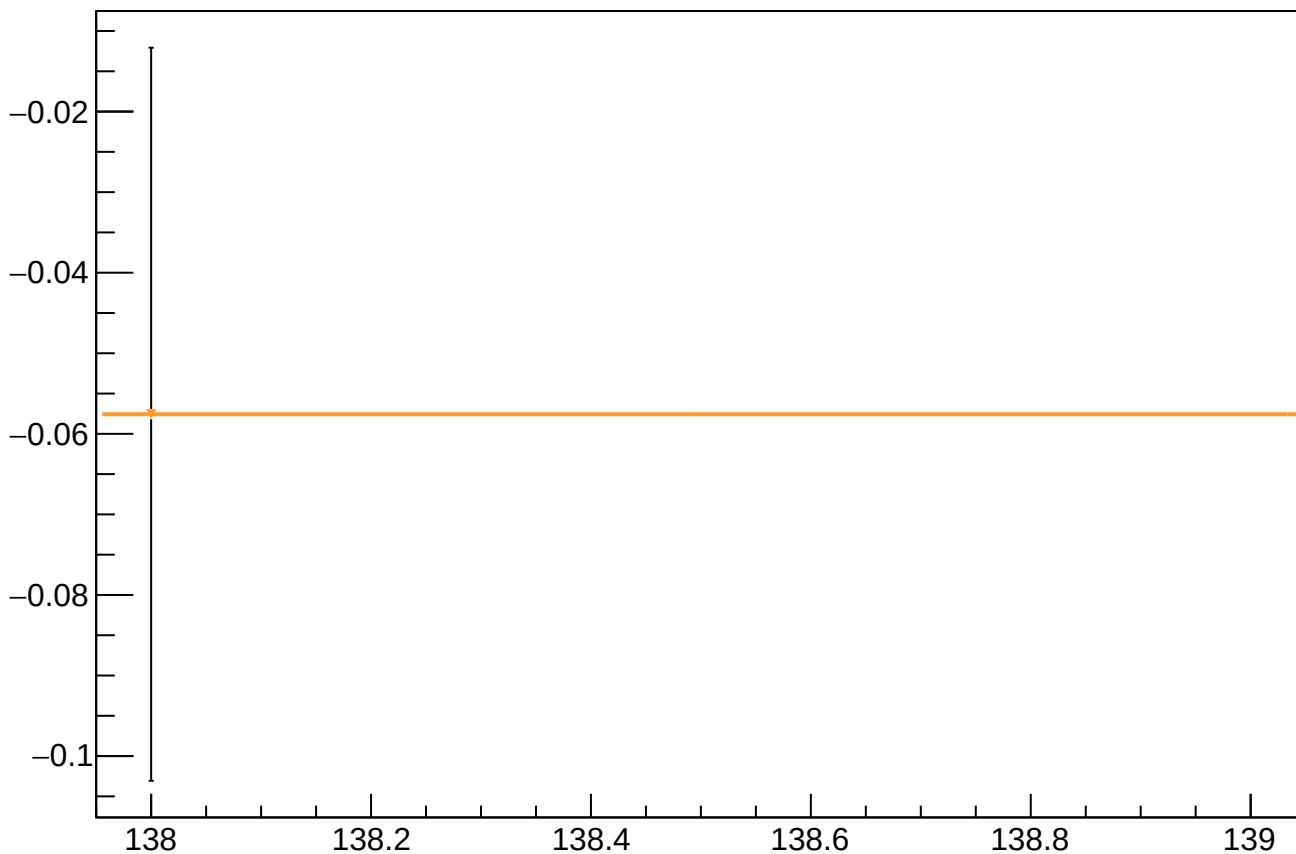
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 45.775+/-1.186  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



reg\_asym\_sam\_3748\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.058+/-0.045  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

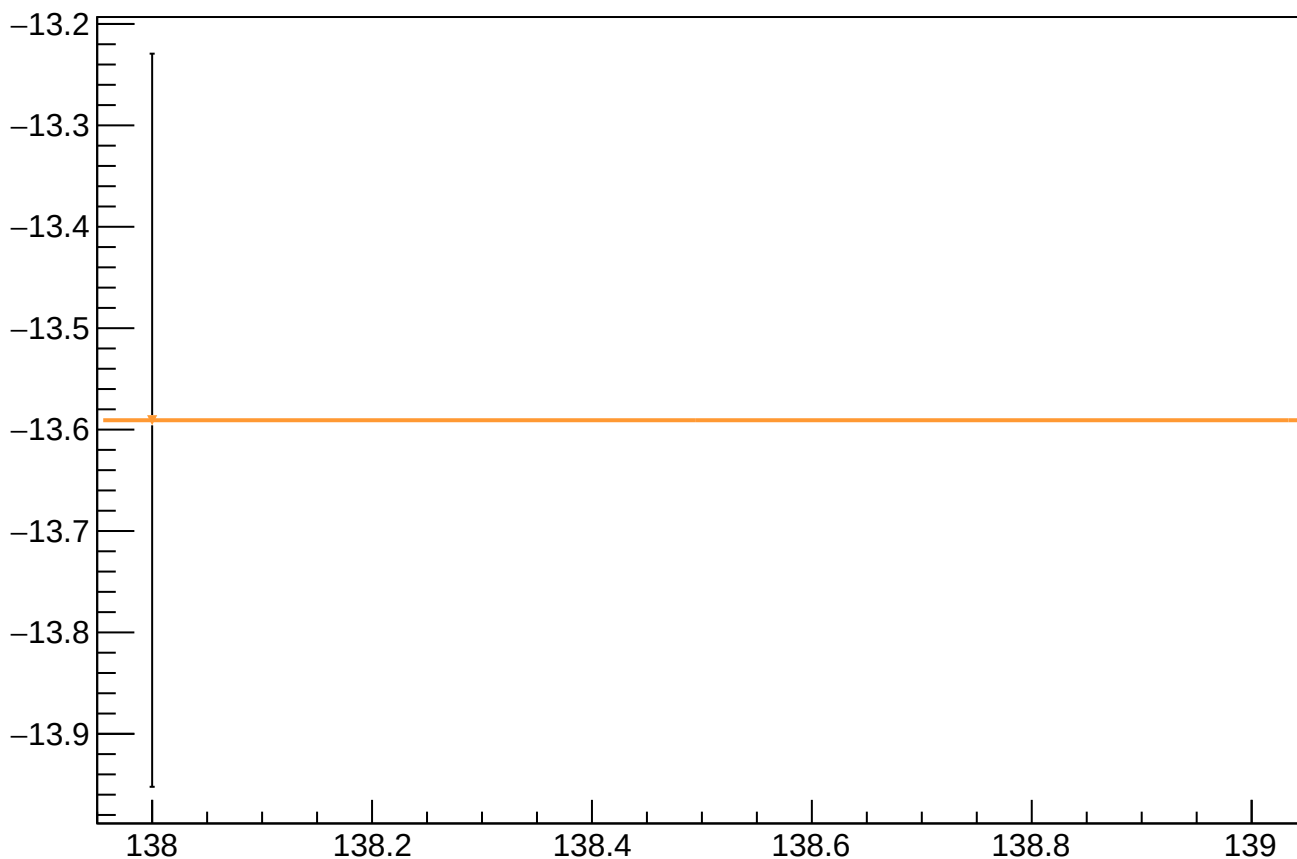
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.058+/-0.045  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1526\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -13.591+/-0.361  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

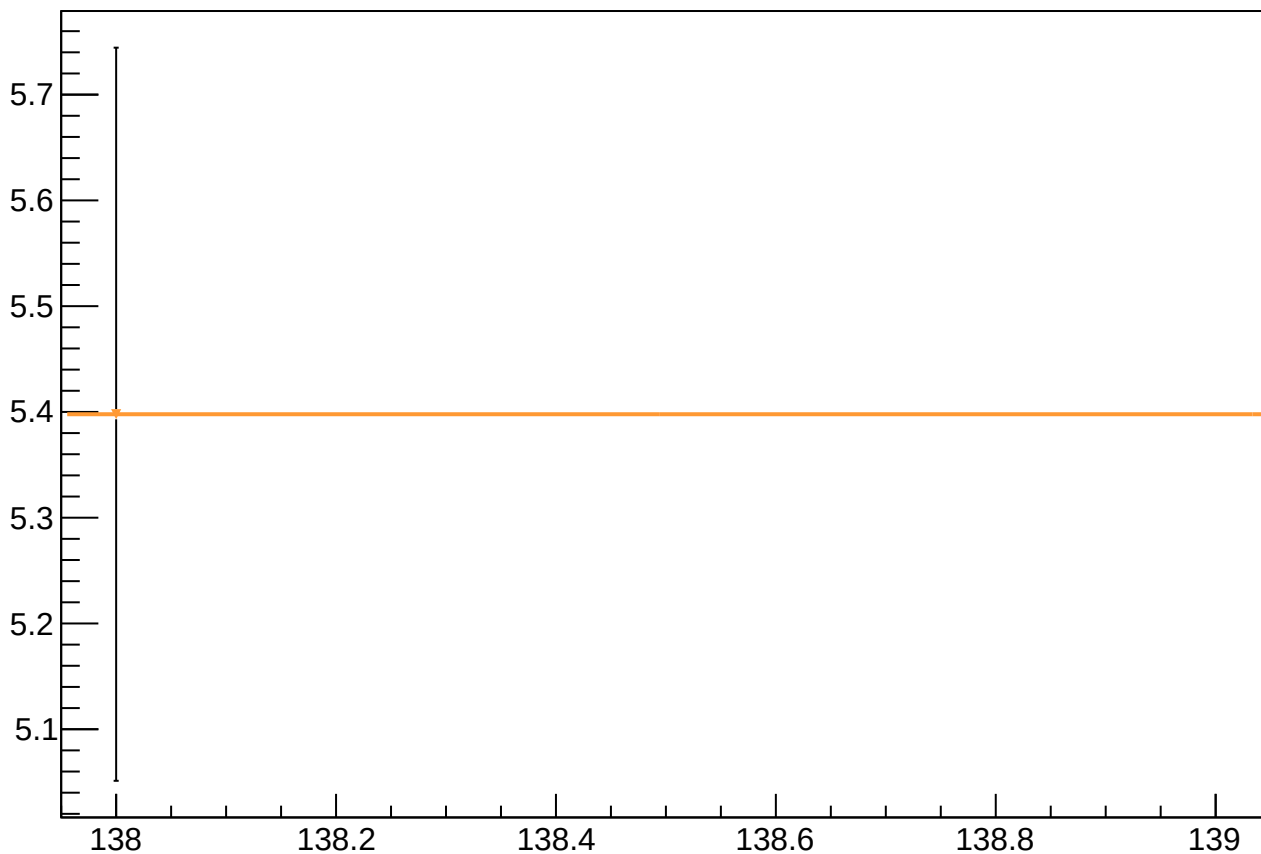
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -13.591+/-0.361  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1526\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 5.398 $\pm$ 0.347  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

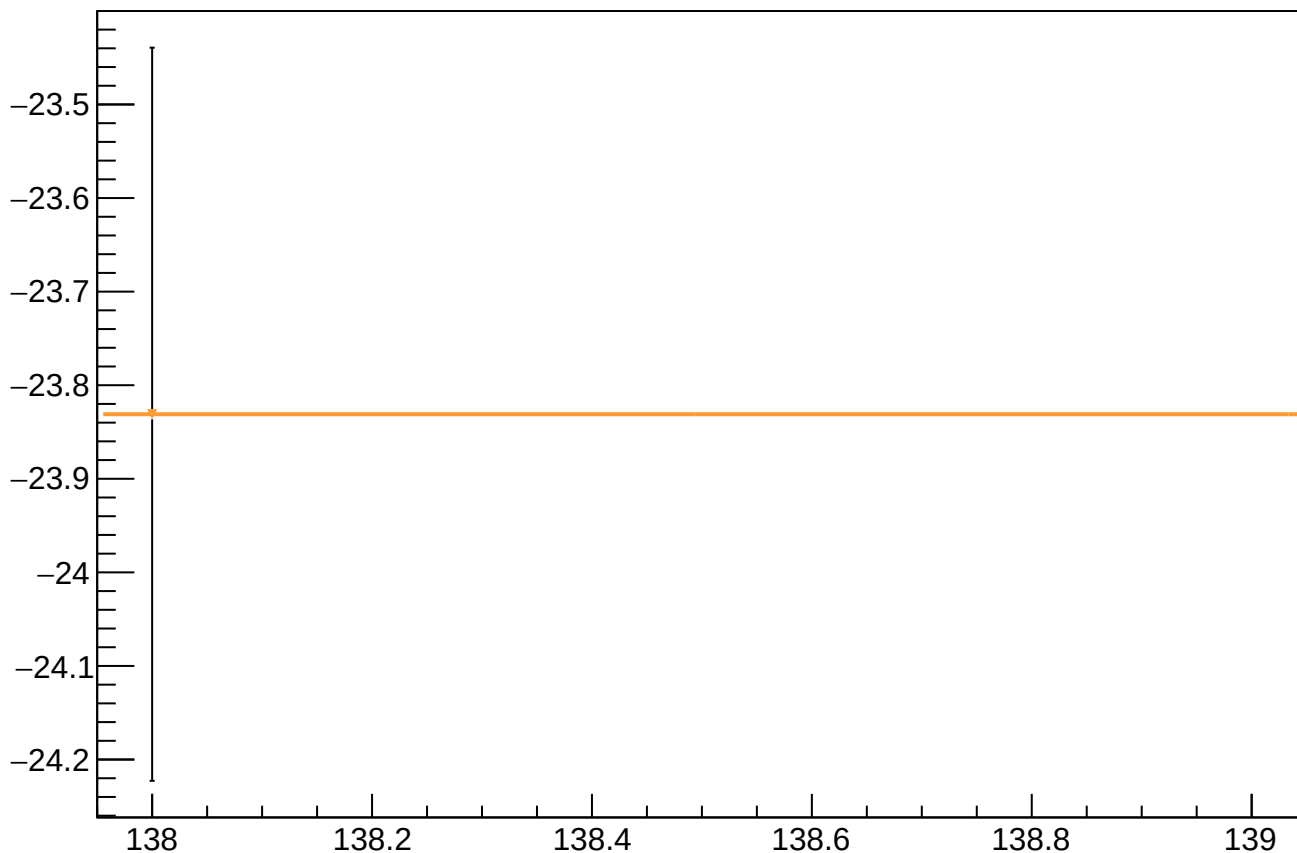
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5.398 $\pm$ 0.347  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1526\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -23.831+/-0.392  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

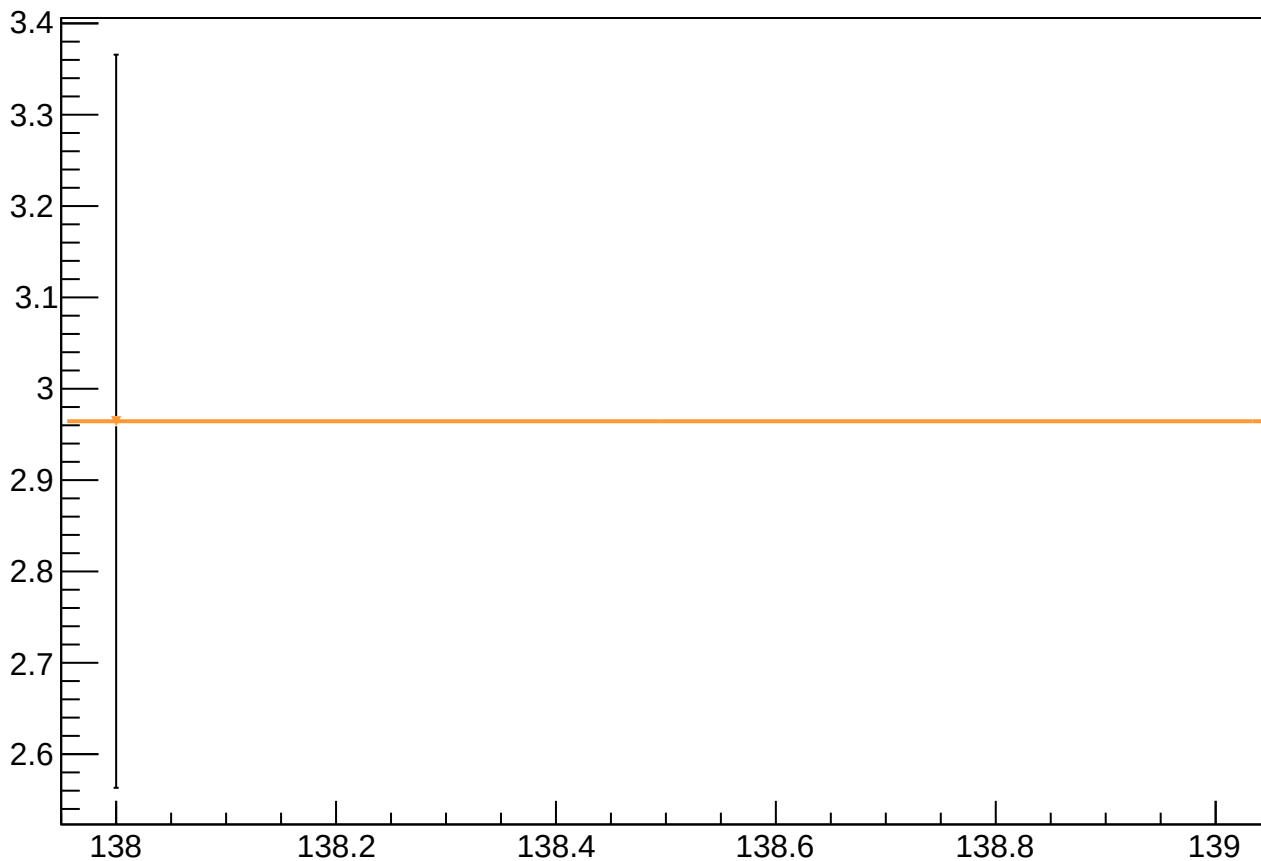
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -23.831+/-0.392  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1526\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 2.964 $\pm$ 0.401  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

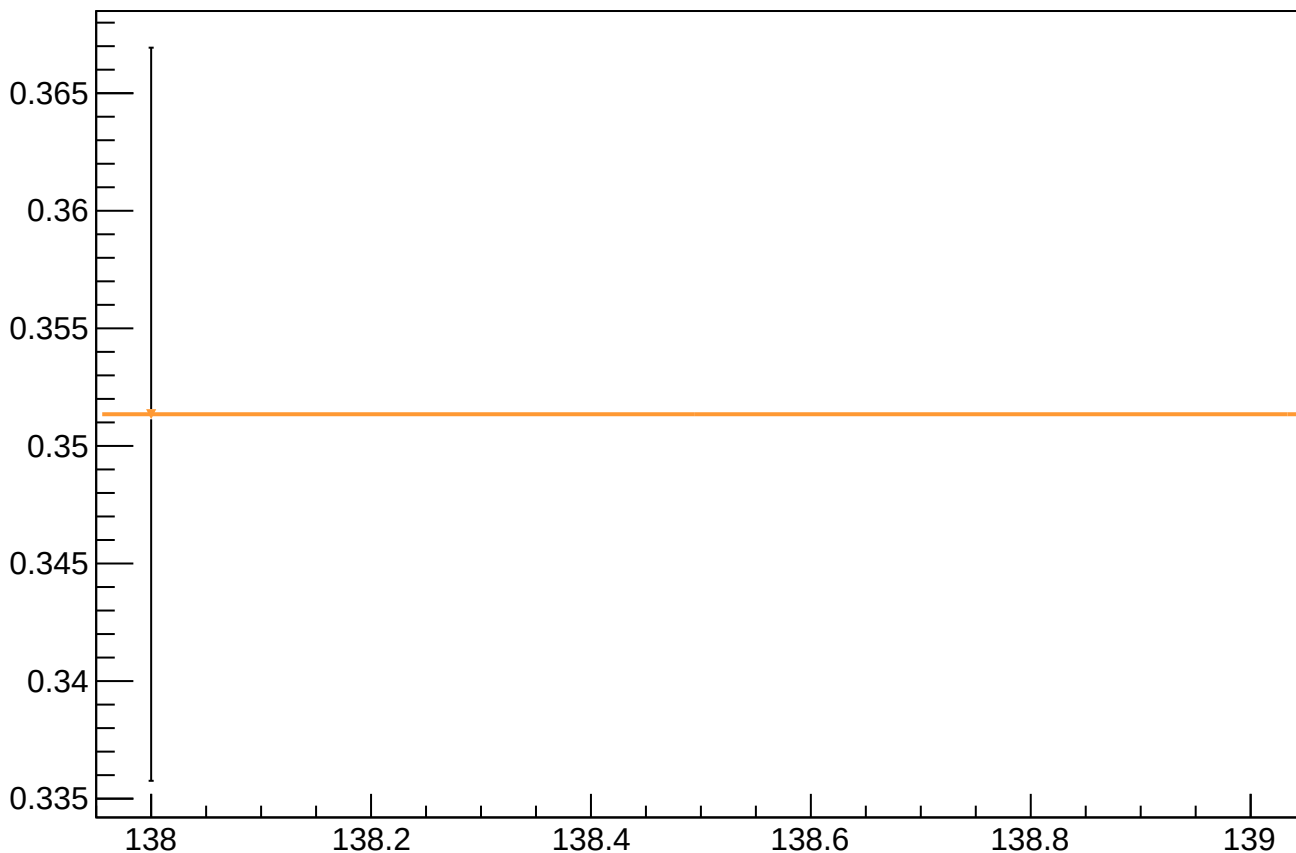
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.964 $\pm$ 0.401  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1526\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.351 $\pm$ 0.016  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

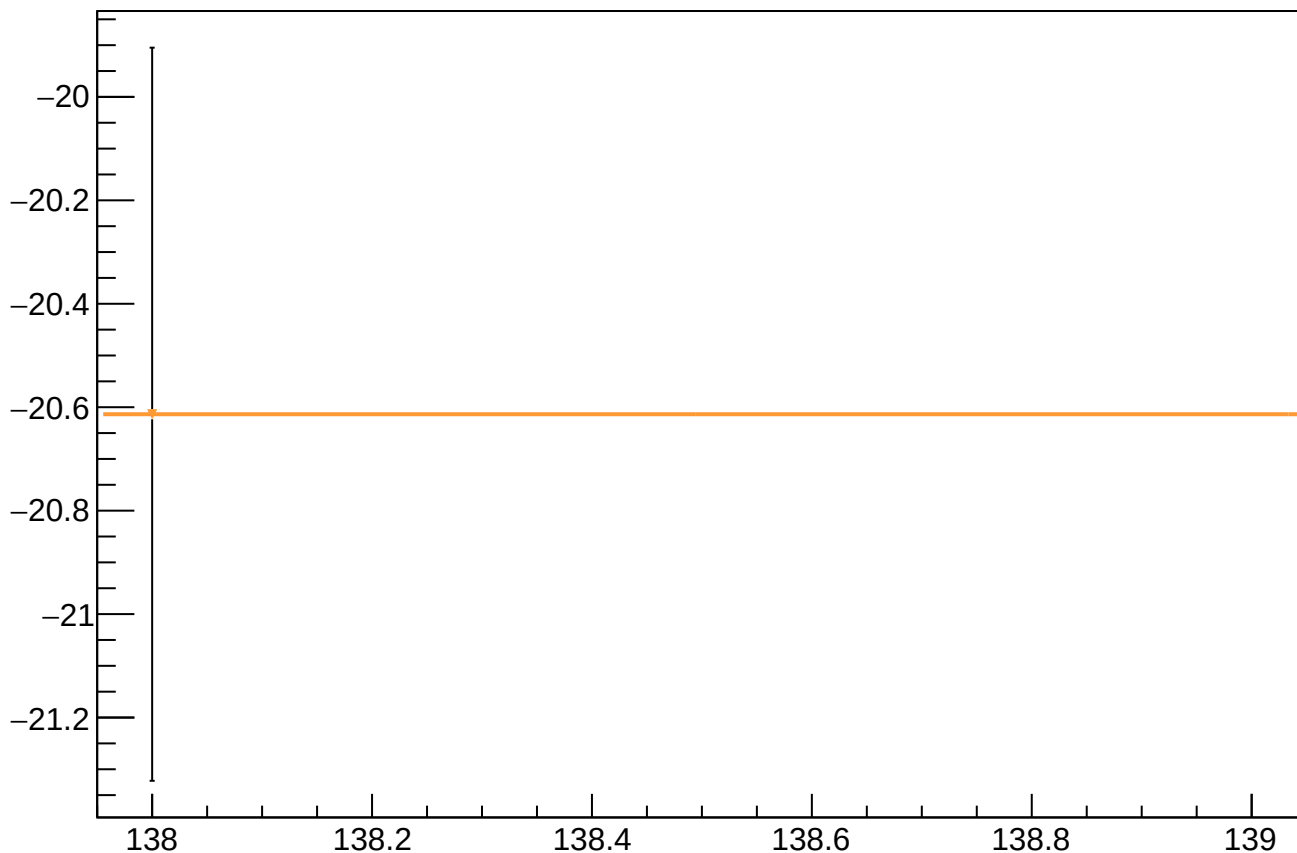
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.351 $\pm$ 0.016  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_3726\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -20.614+/-0.709  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

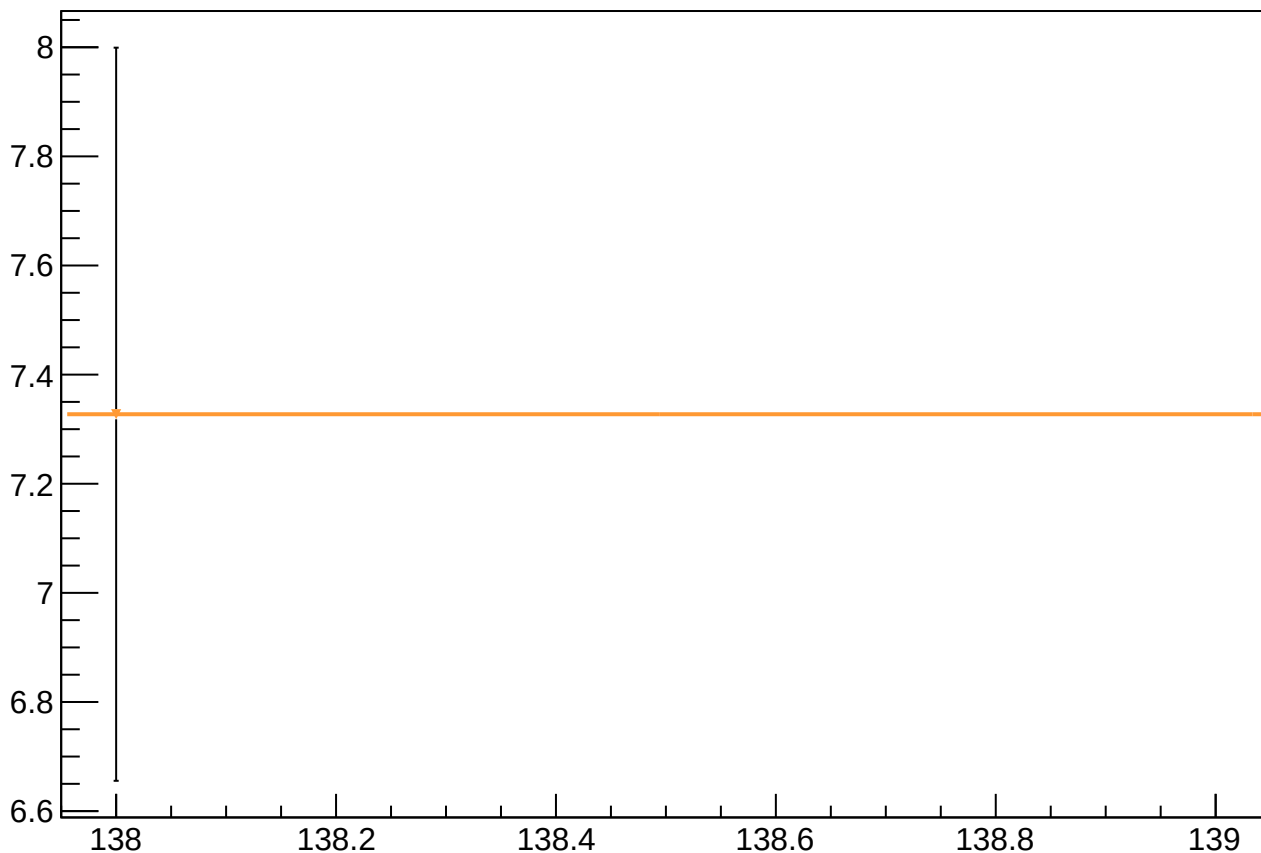
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -20.614+/-0.709  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_3726\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 7.327 $\pm$ 0.672  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

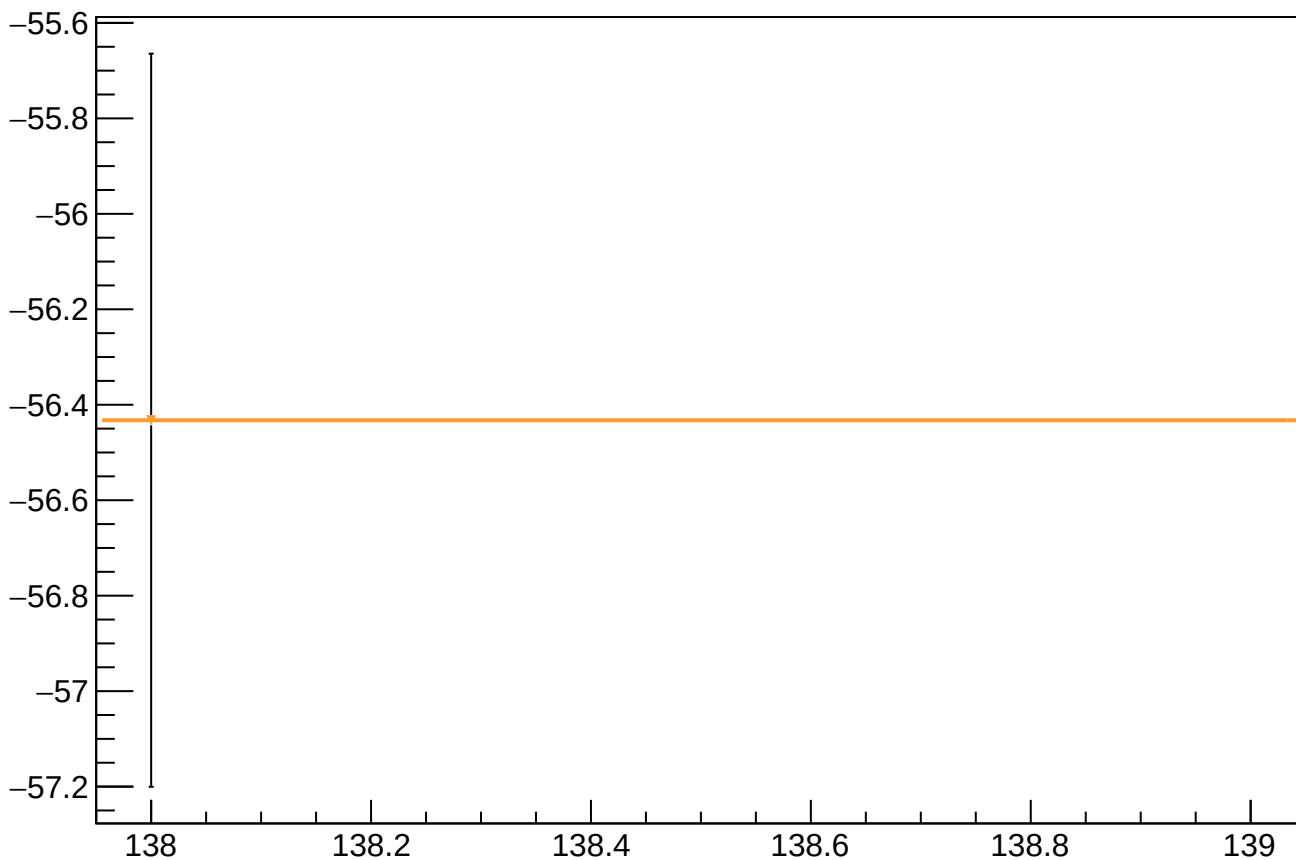
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.327 $\pm$ 0.672  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_3726\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -56.432+/-0.768  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

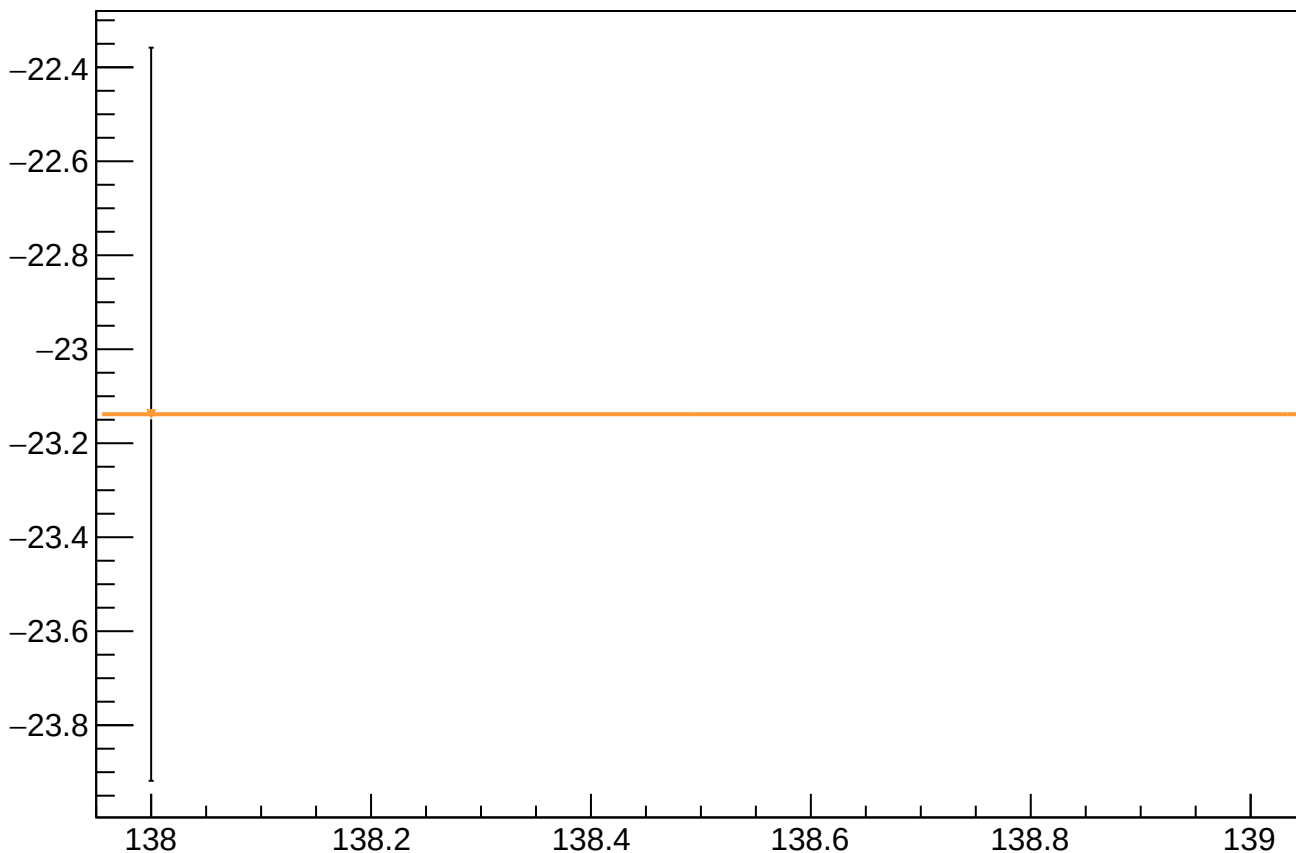
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -56.432+/-0.768  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_3726\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -23.138 $\pm$ 0.780  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

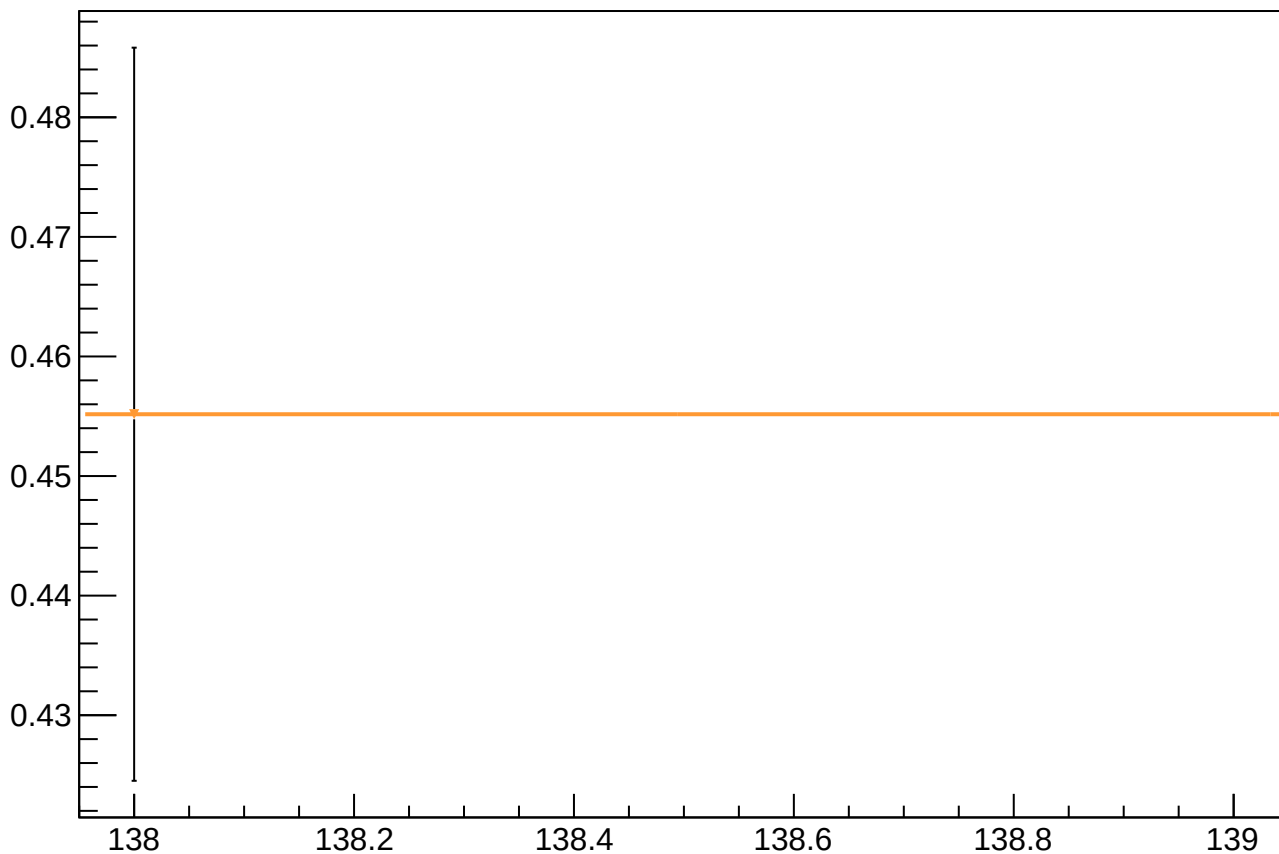
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -23.138 $\pm$ 0.780  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_3726\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.455+/-0.031  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

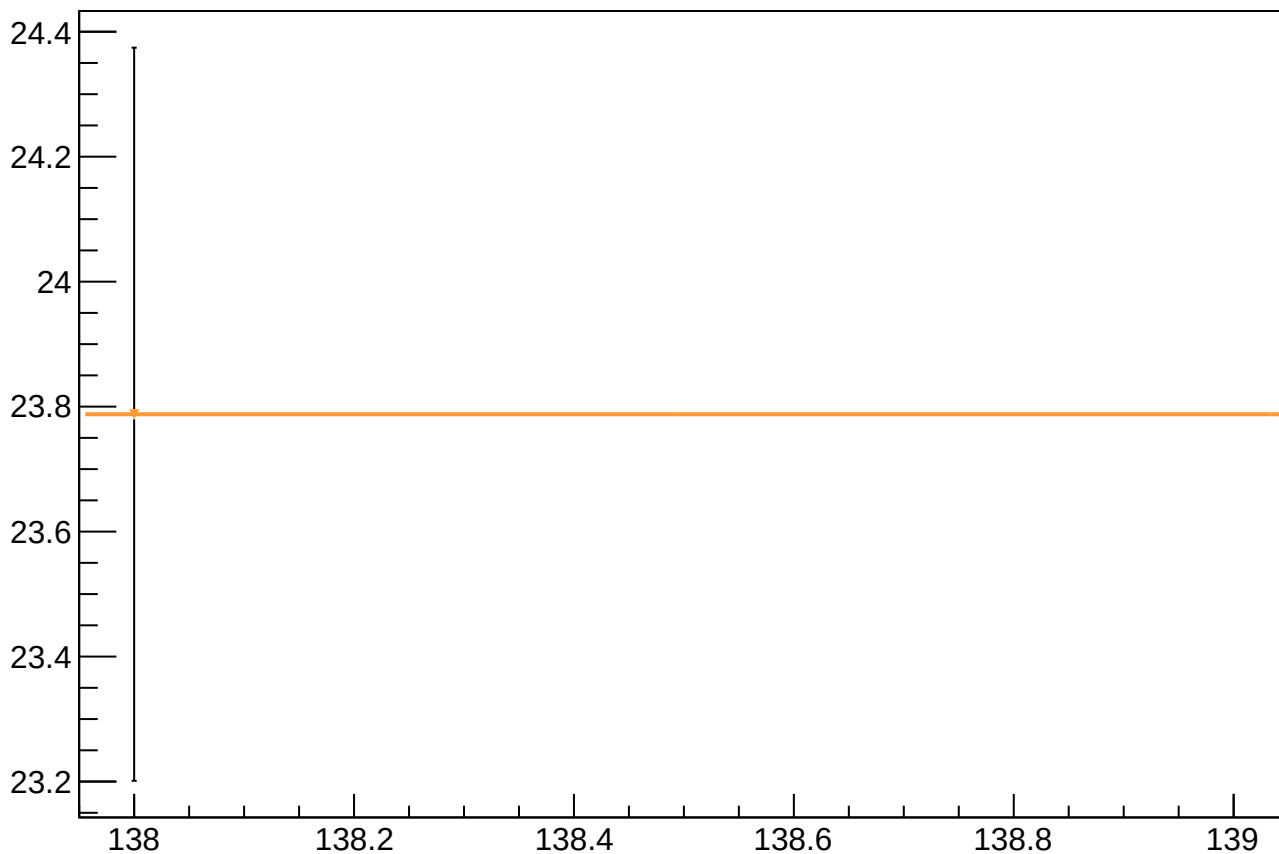
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.455+/-0.031  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 23.788 $\pm$ 0.587  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

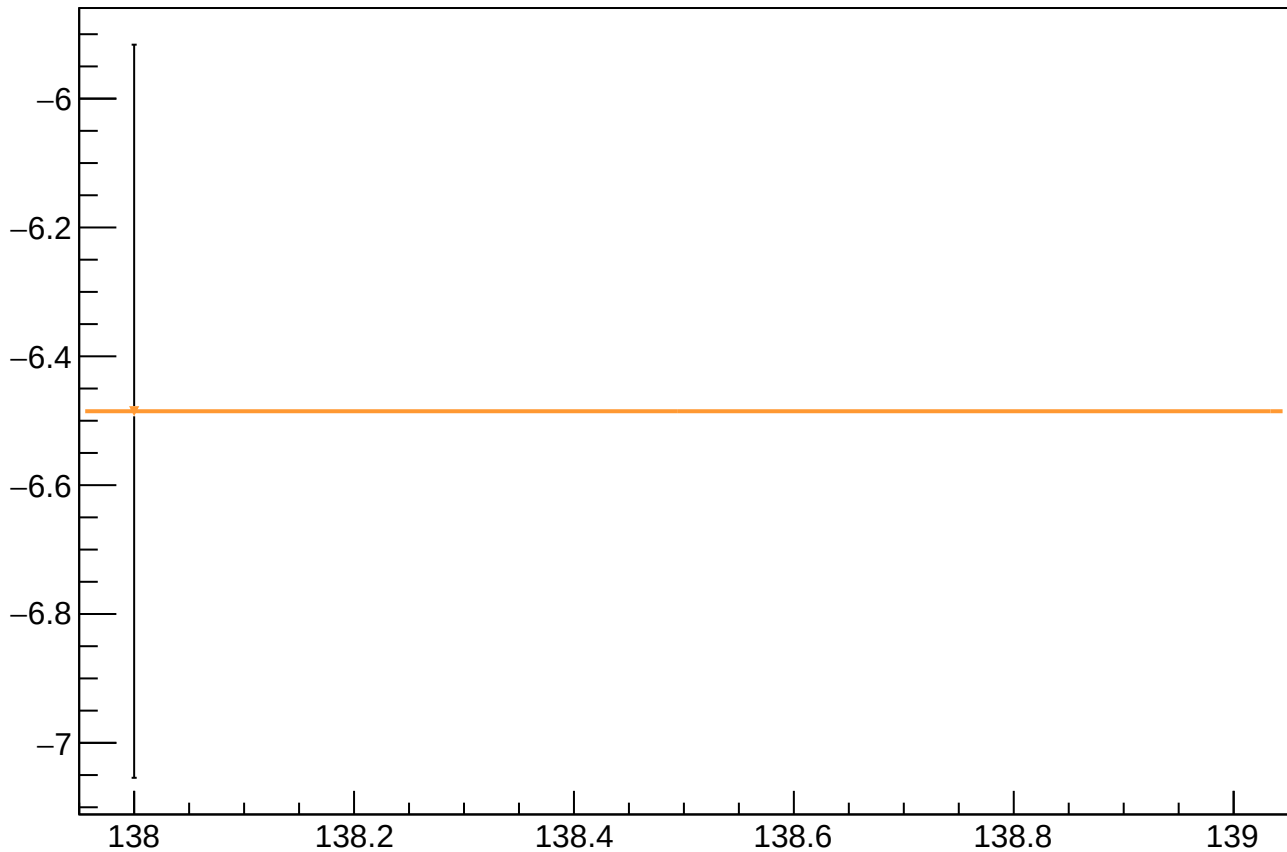
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 23.788 $\pm$ 0.587  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -6.485+/-0.569  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

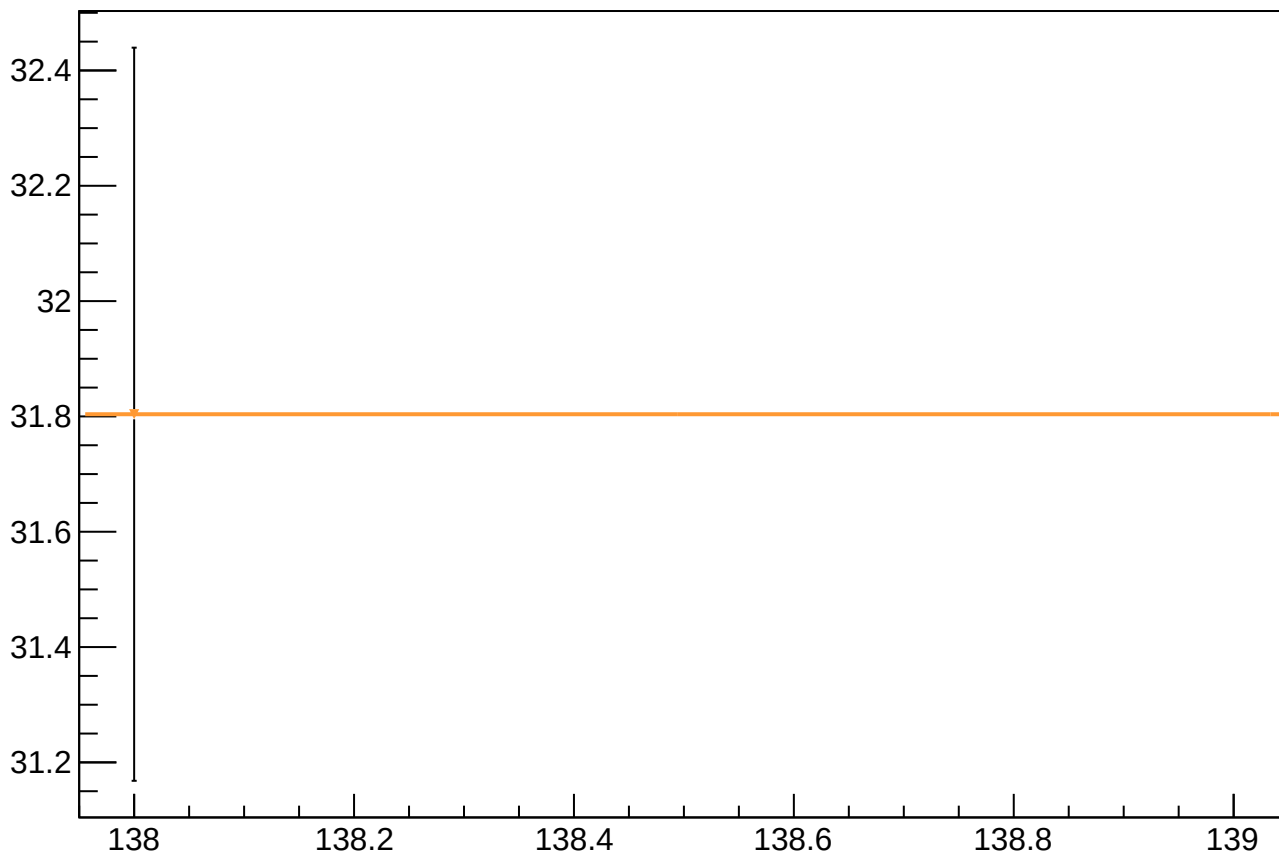
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.485+/-0.569  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 31.804+/-0.636  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

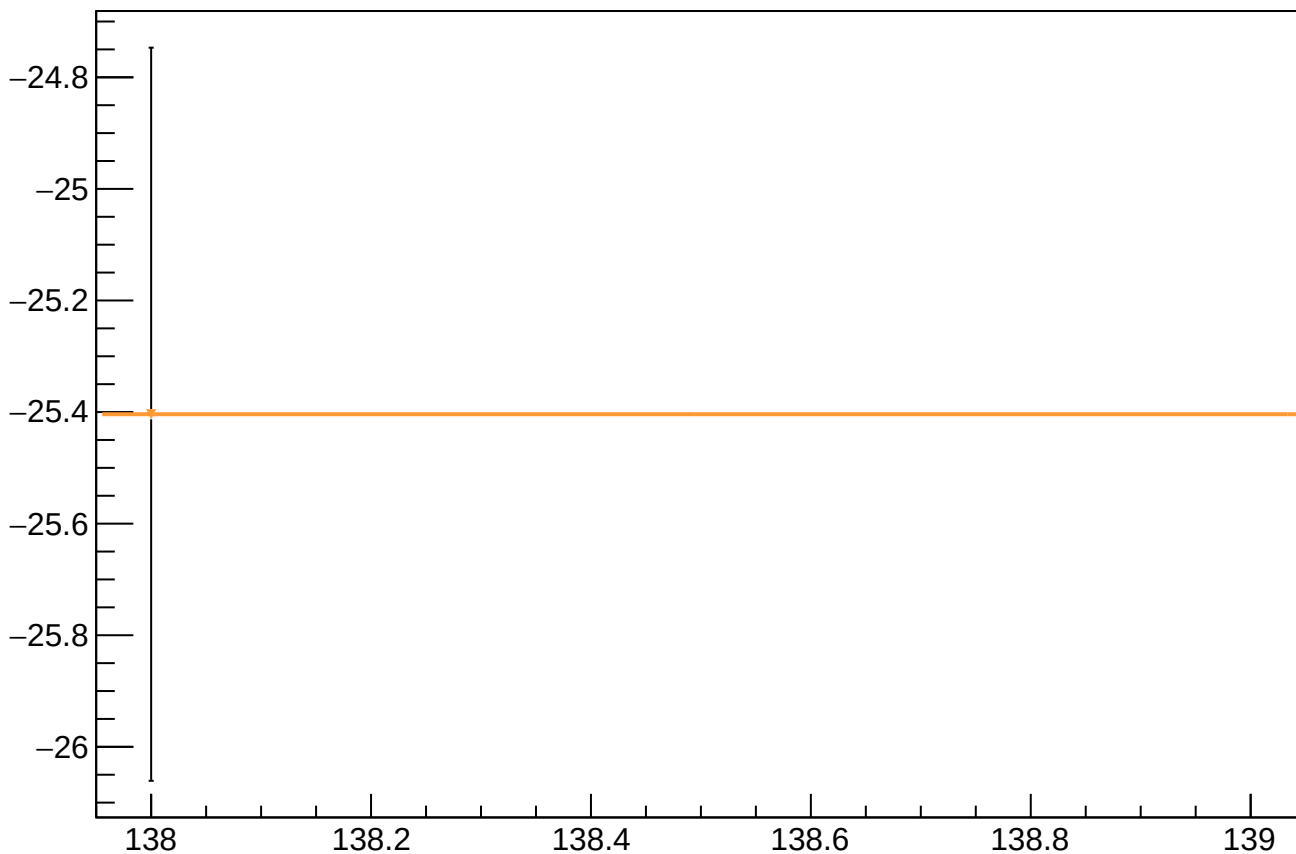
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 31.804+/-0.636  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -25.404+/-0.657  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

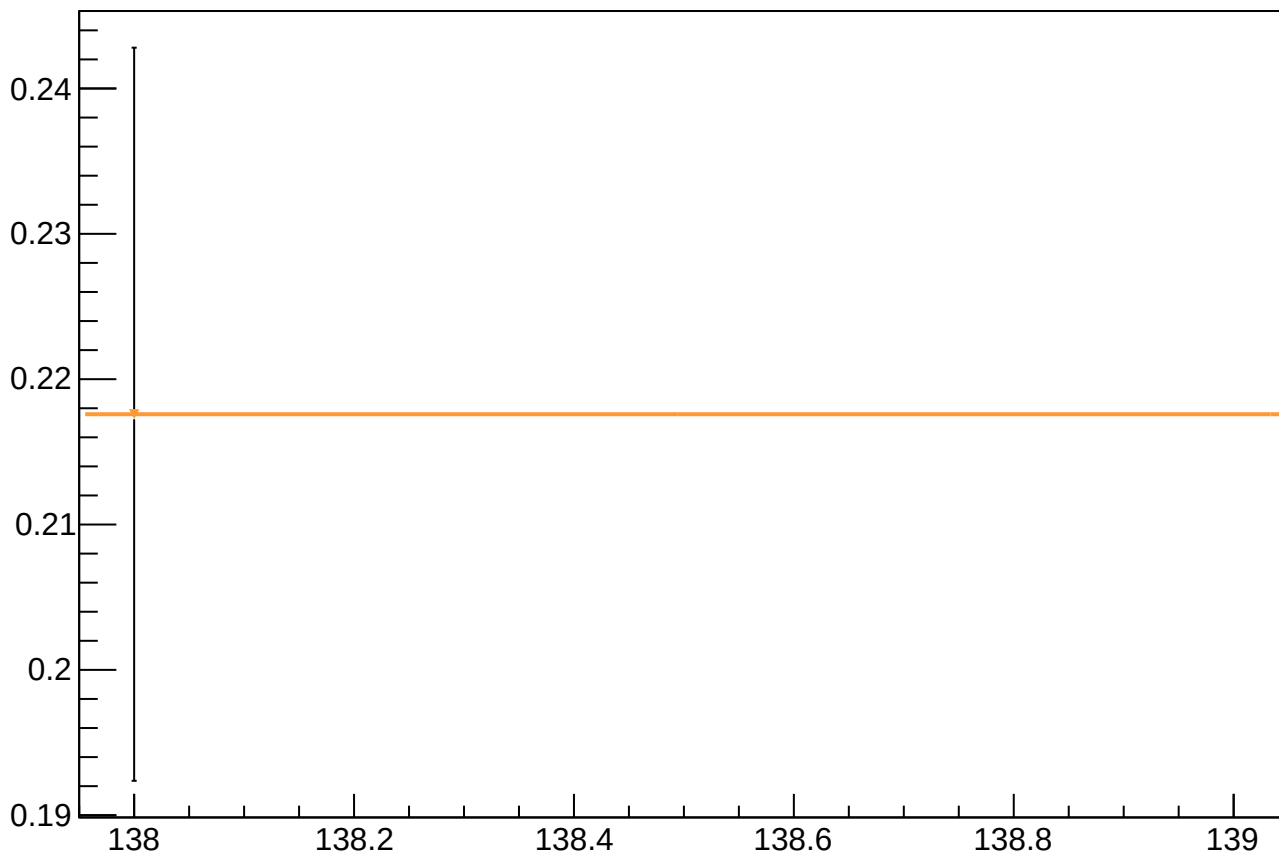
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -25.404+/-0.657  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.218+/-0.025  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

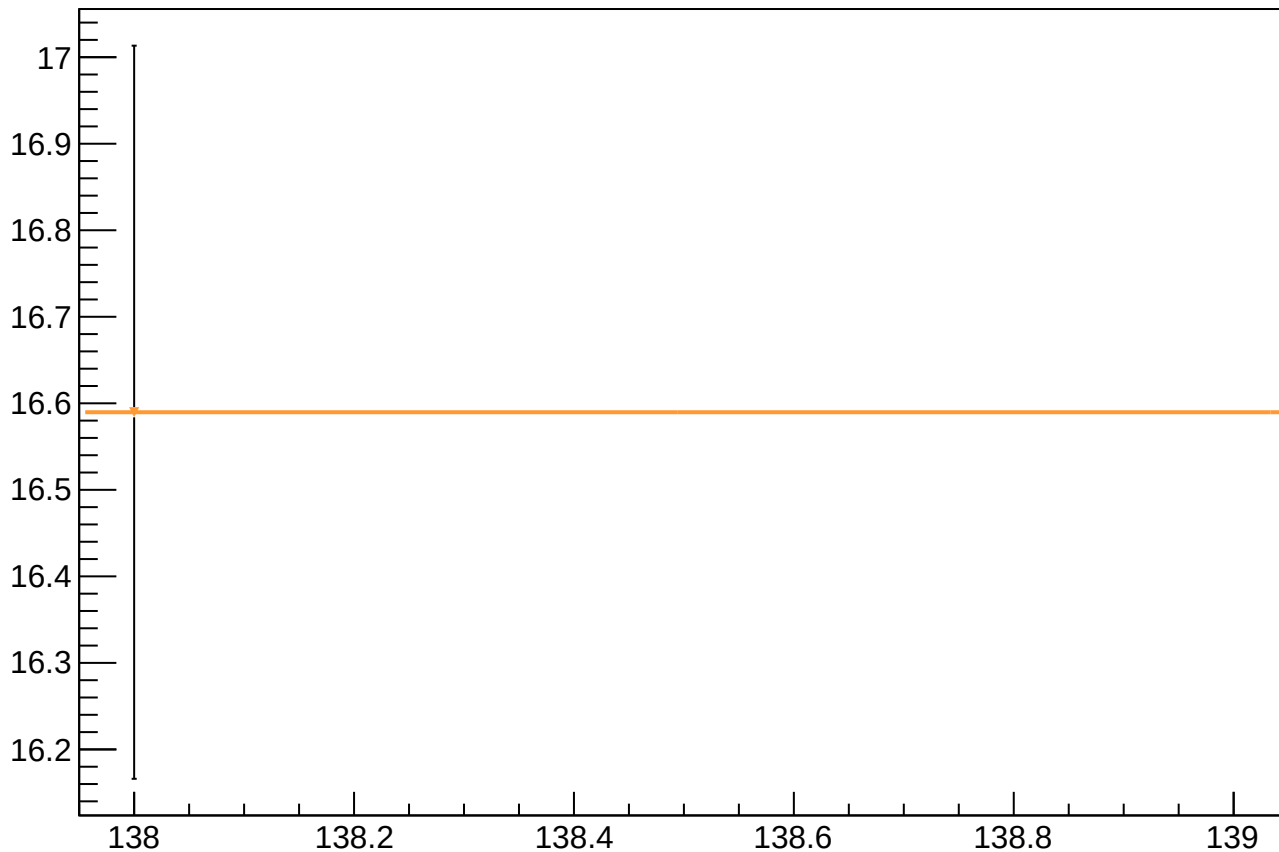
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.218+/-0.025  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



reg\_asym\_sam\_37\_48\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 16.590 $\pm$ 0.424  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

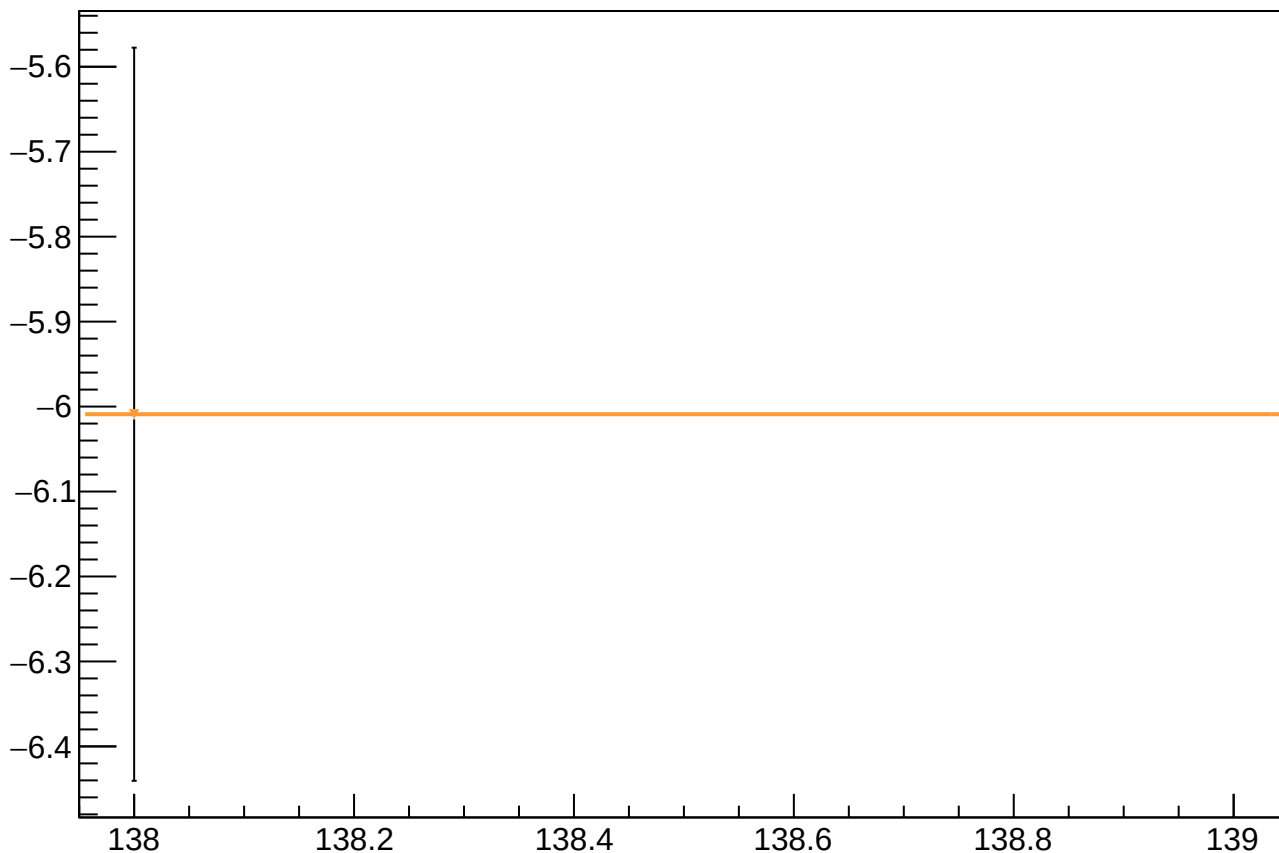
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 16.590 $\pm$ 0.424  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_48\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -6.009+/-0.431  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

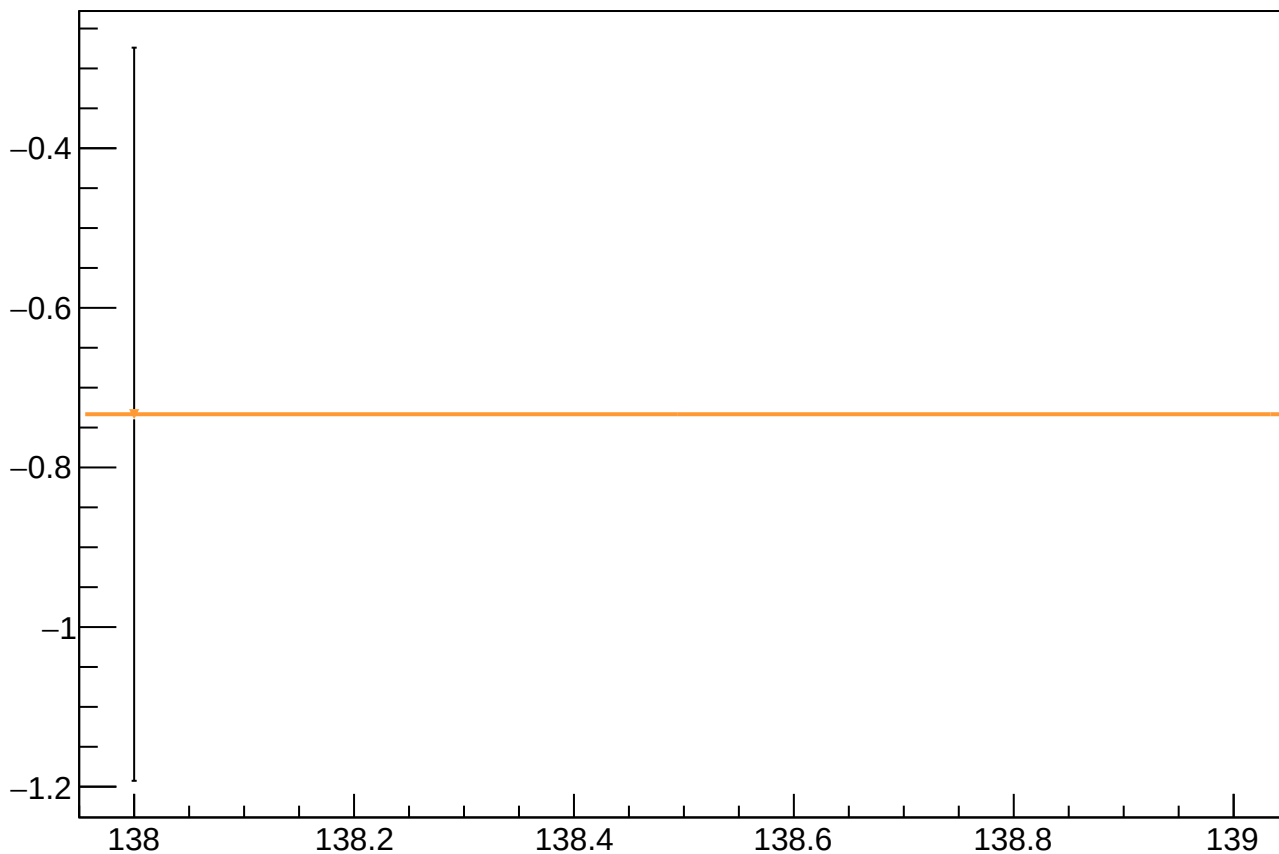
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.009+/-0.431  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_37\_48\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.733+/-0.459  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

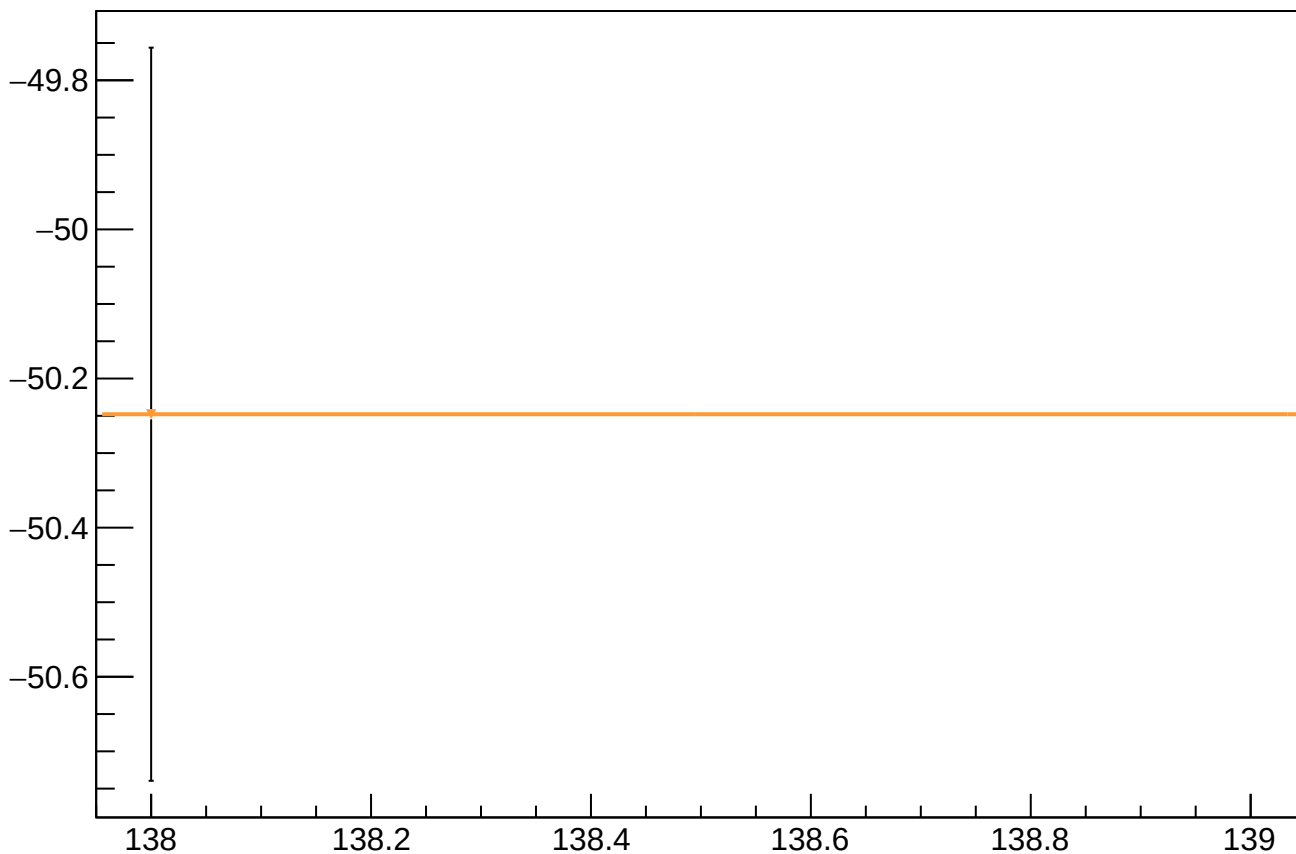
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.733+/-0.459  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_37\_48\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -50.248+/-0.492  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

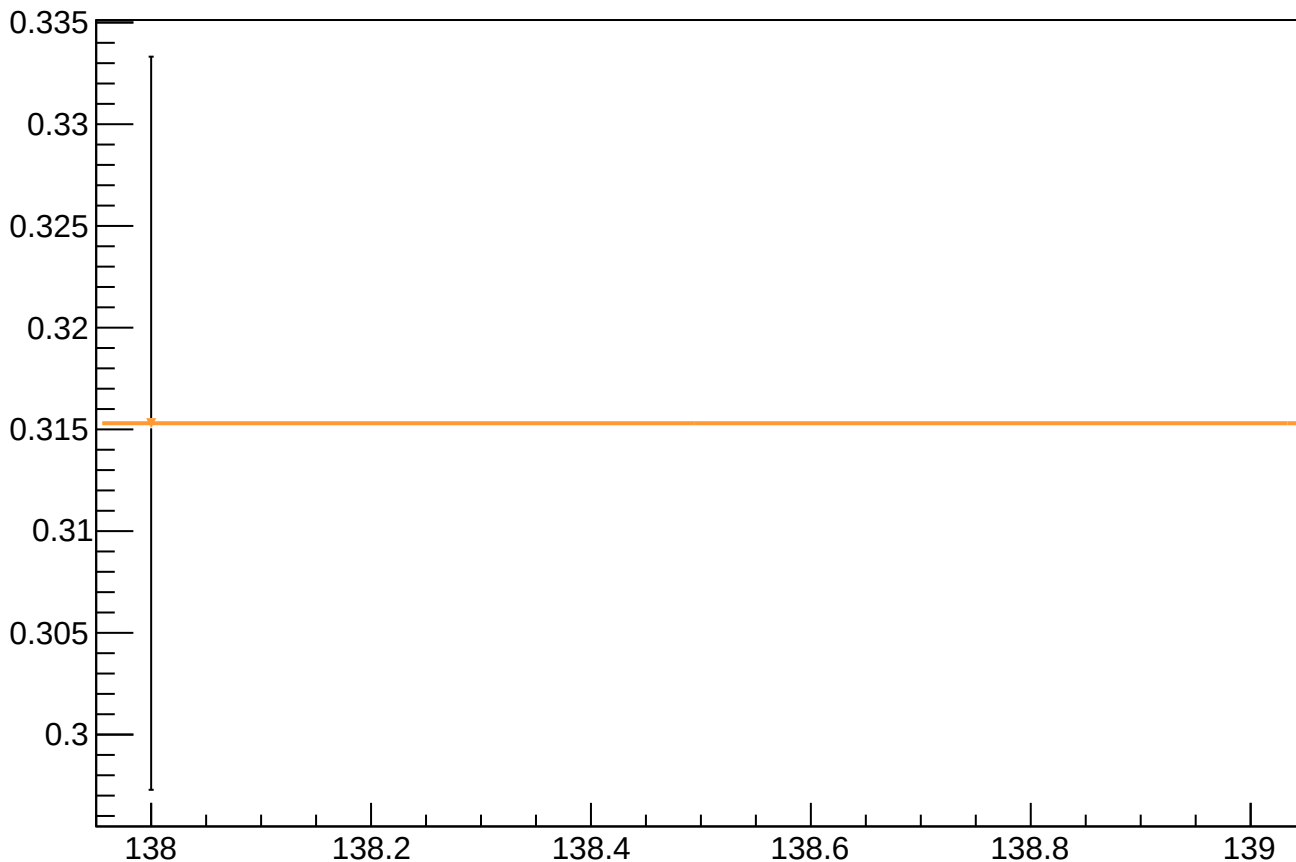
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -50.248+/-0.492  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_37\_48\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.315+/-0.018  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

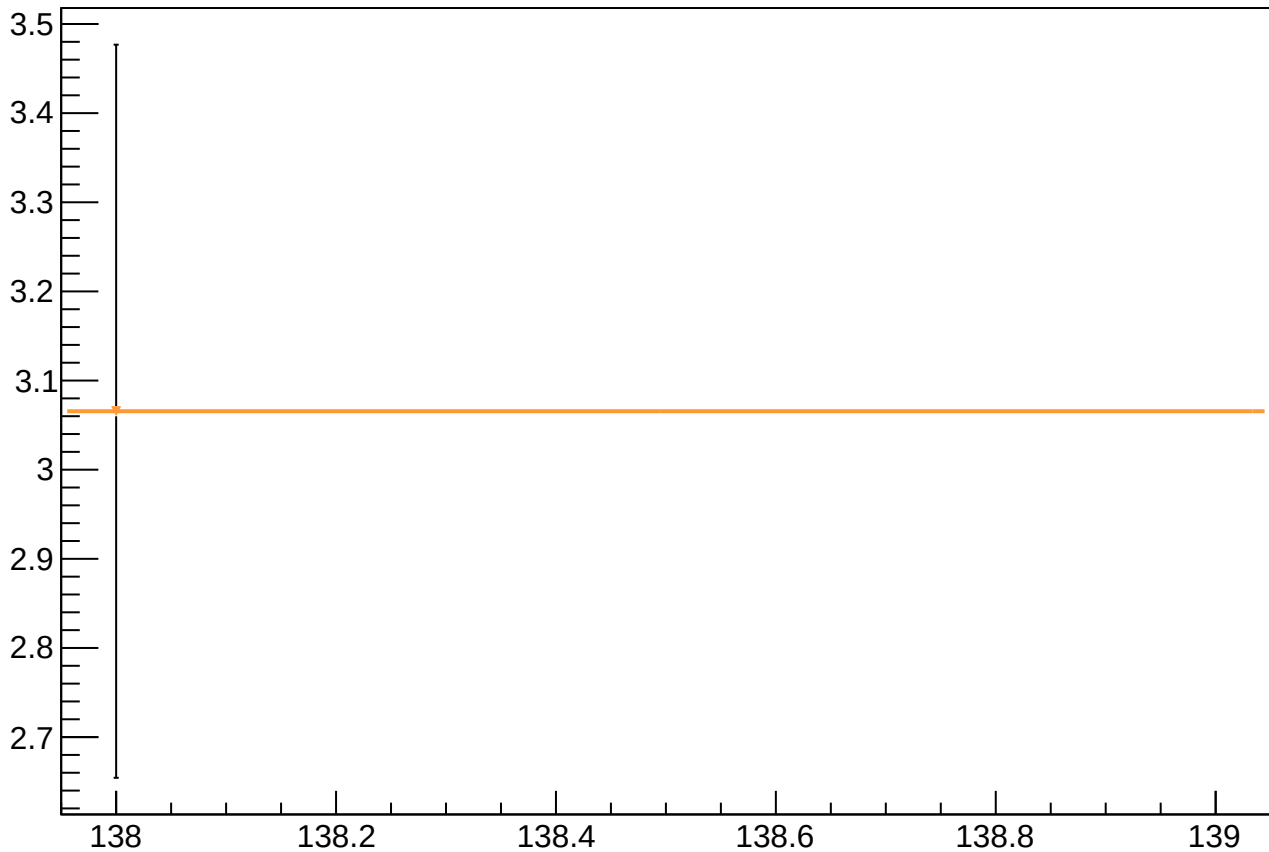
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.315+/-0.018  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_26\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 3.066 $\pm$ 0.411  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

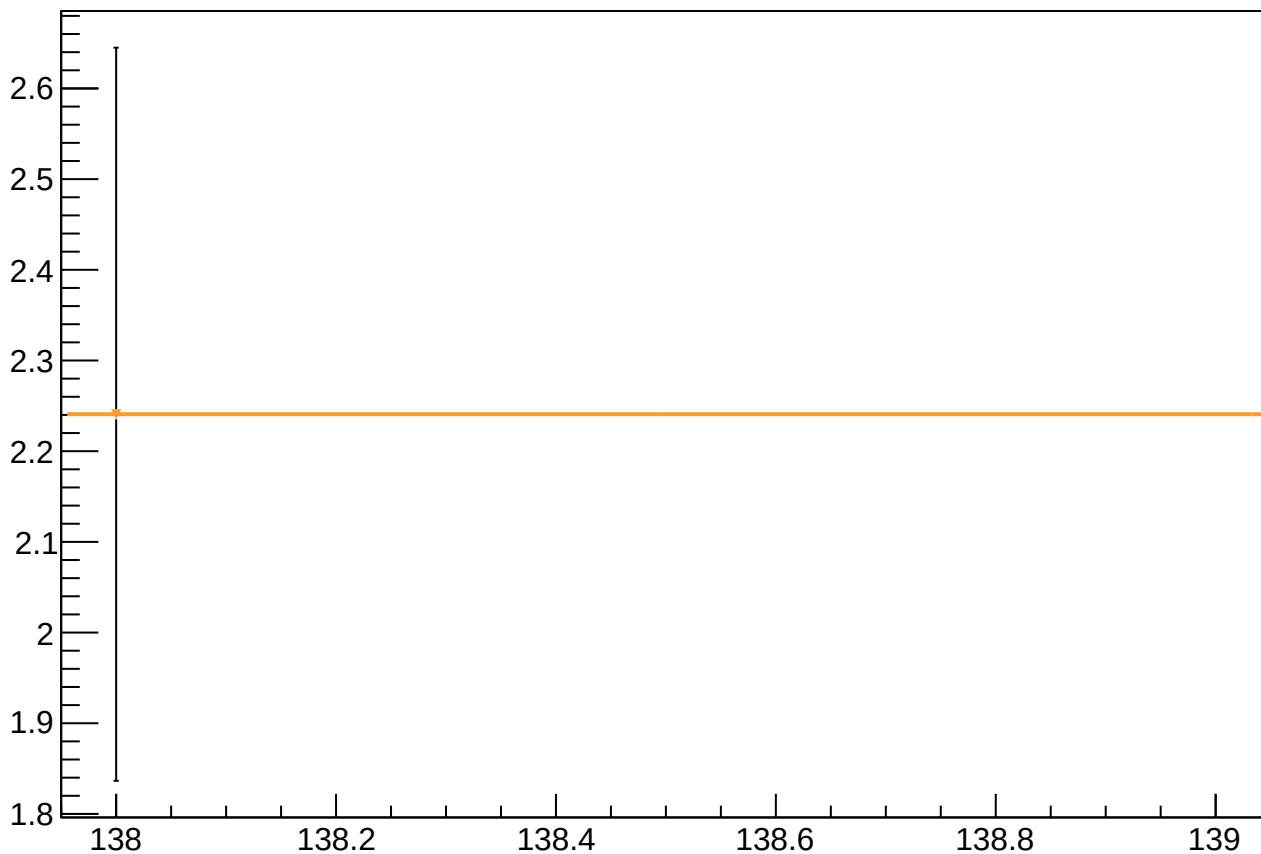
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.066 $\pm$ 0.411  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 2.241 $\pm$ 0.404  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

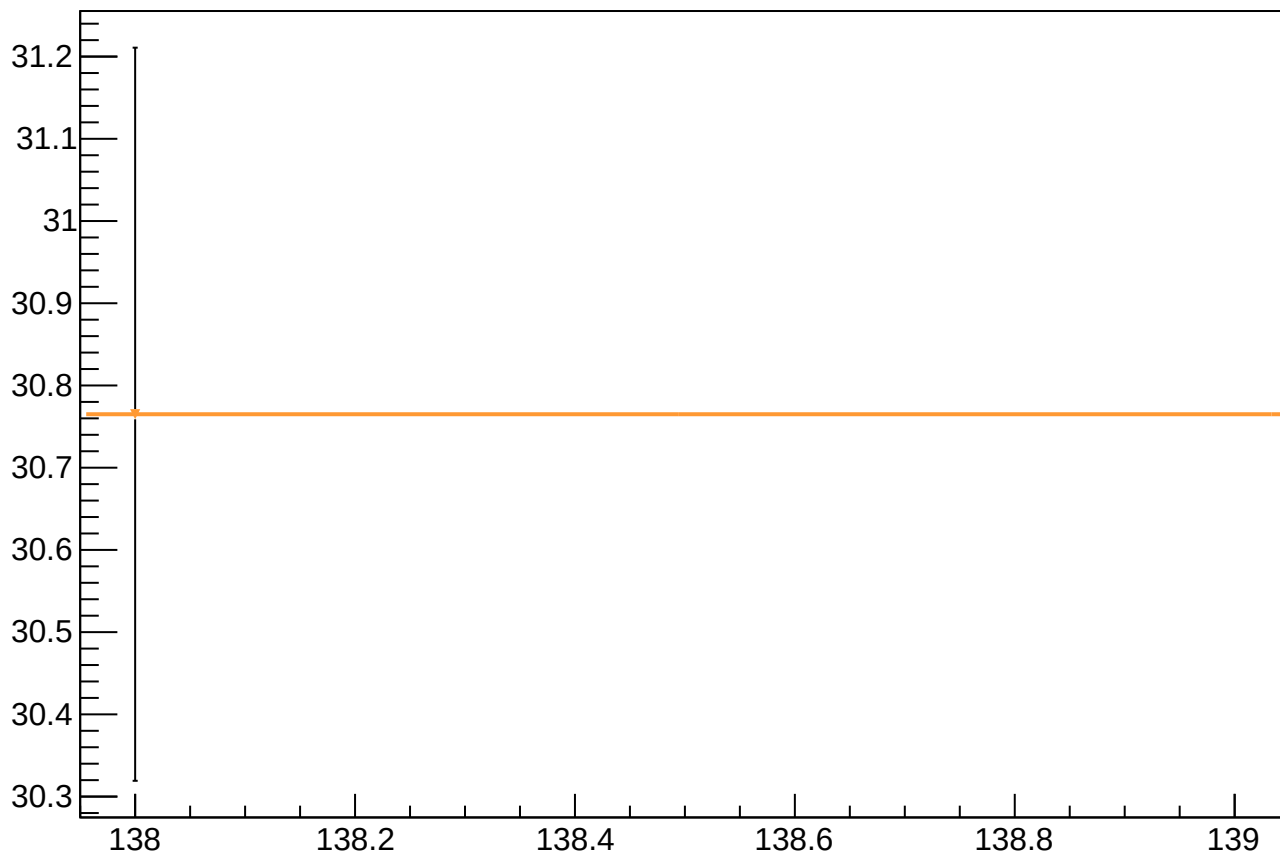
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.241 $\pm$ 0.404  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 30.765 $\pm$ 0.446  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

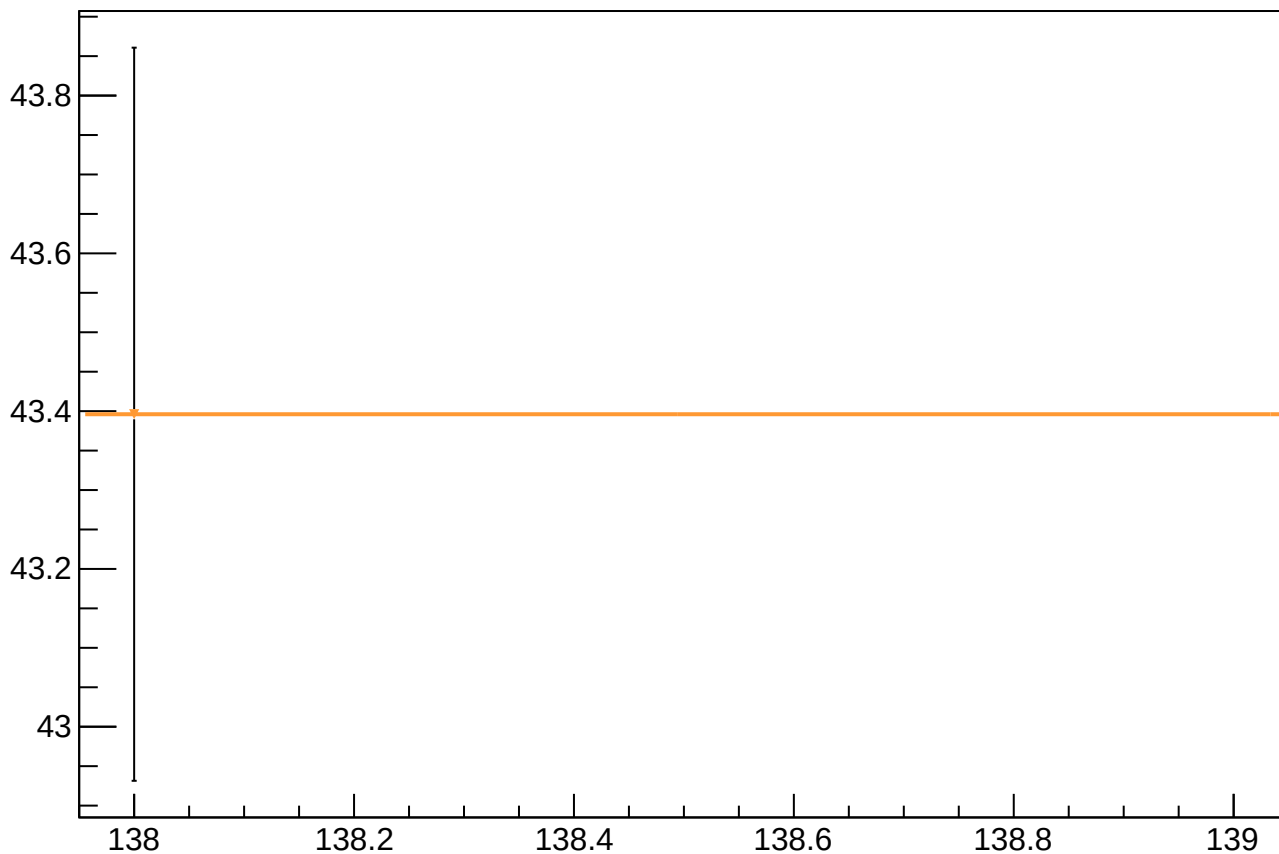
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 30.765 $\pm$ 0.446  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 43.396 $\pm$ 0.465  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

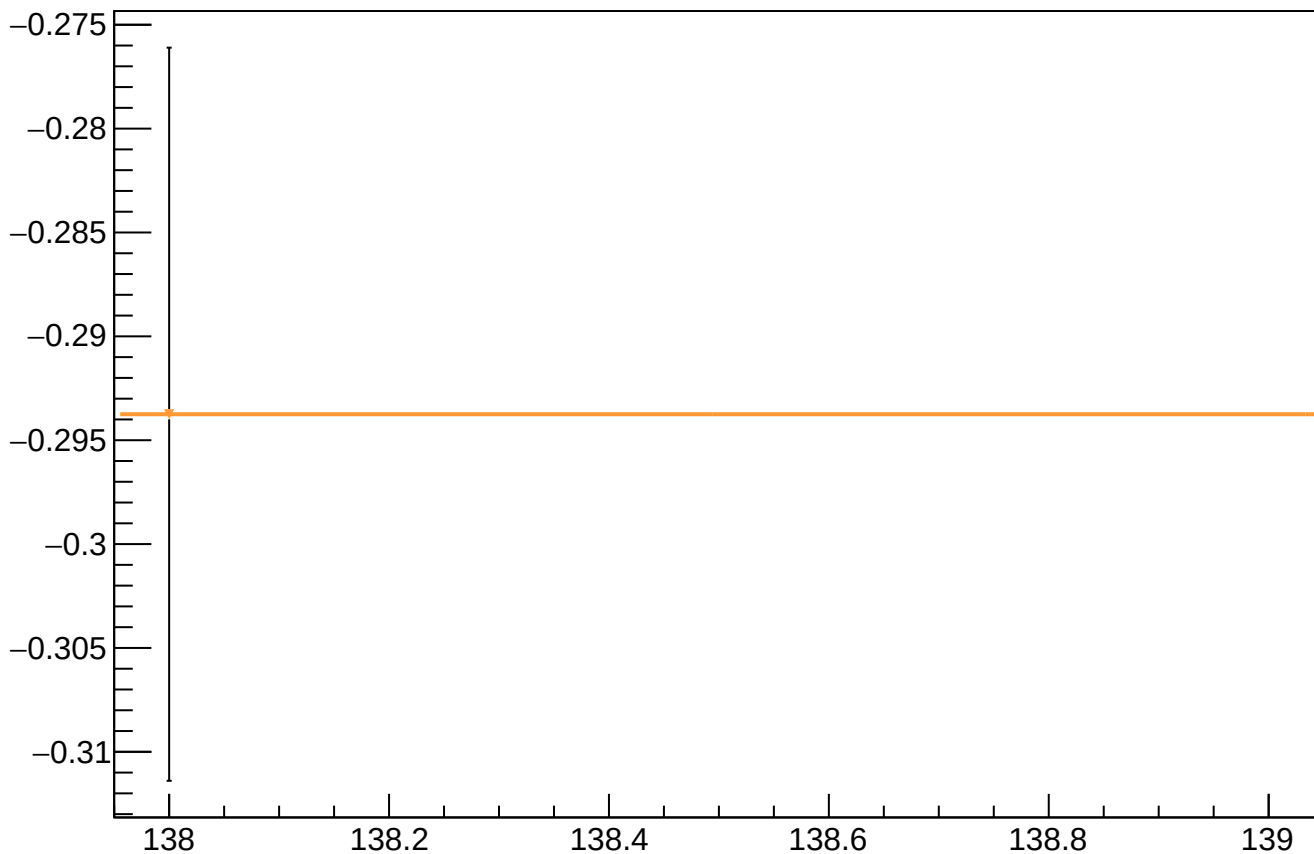
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 43.396 $\pm$ 0.465  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_26\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.294+/-0.018  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

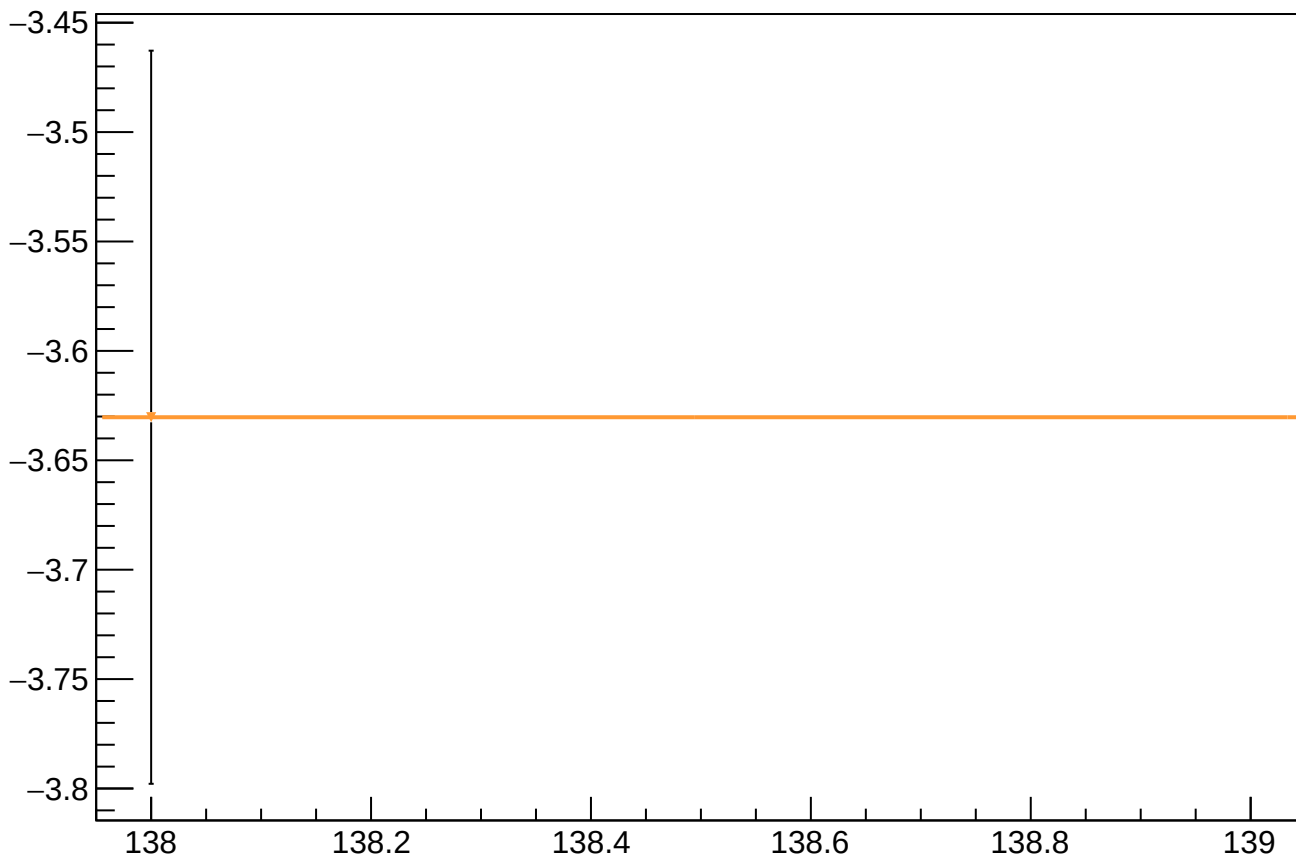
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.294+/-0.018  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_37\_26\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -3.630+/-0.168  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

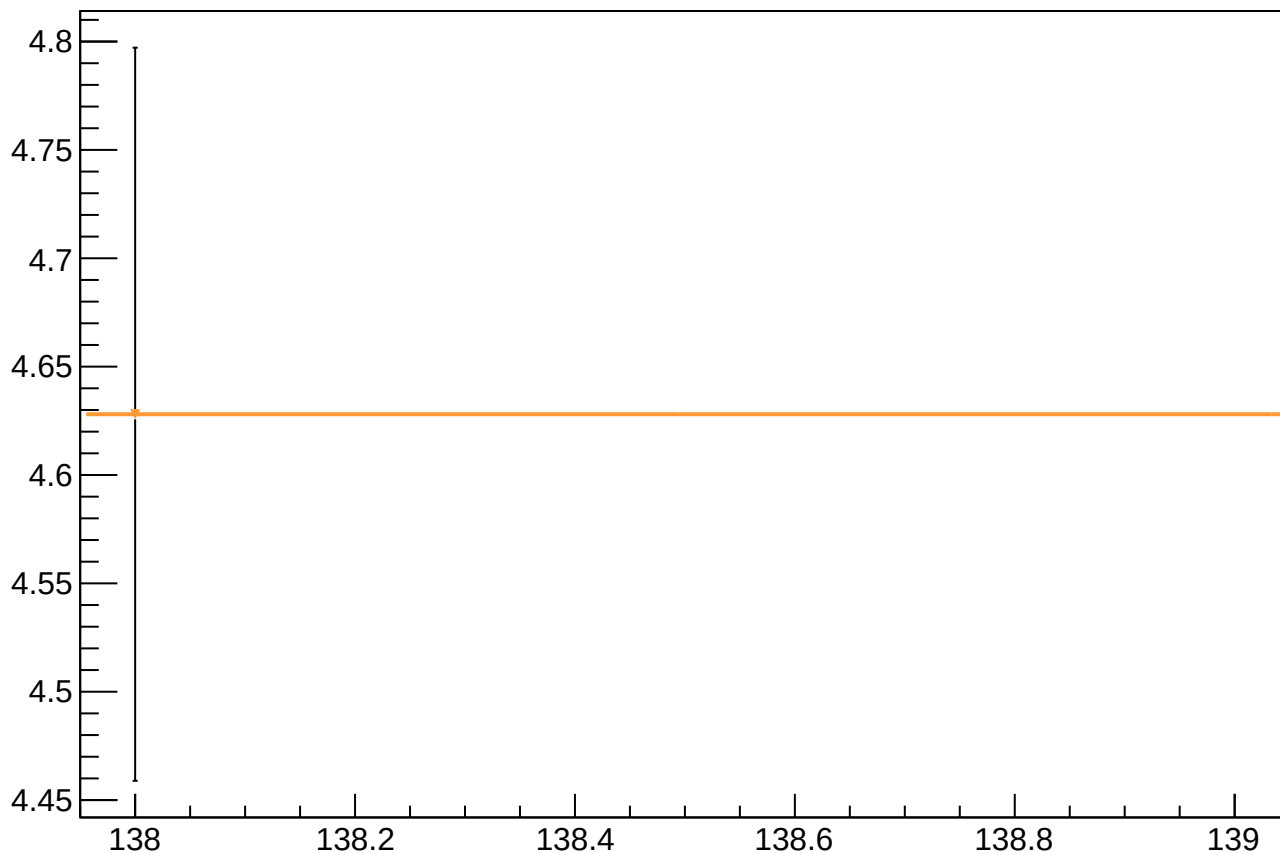
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.630+/-0.168  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 4.628 $\pm$ 0.169  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

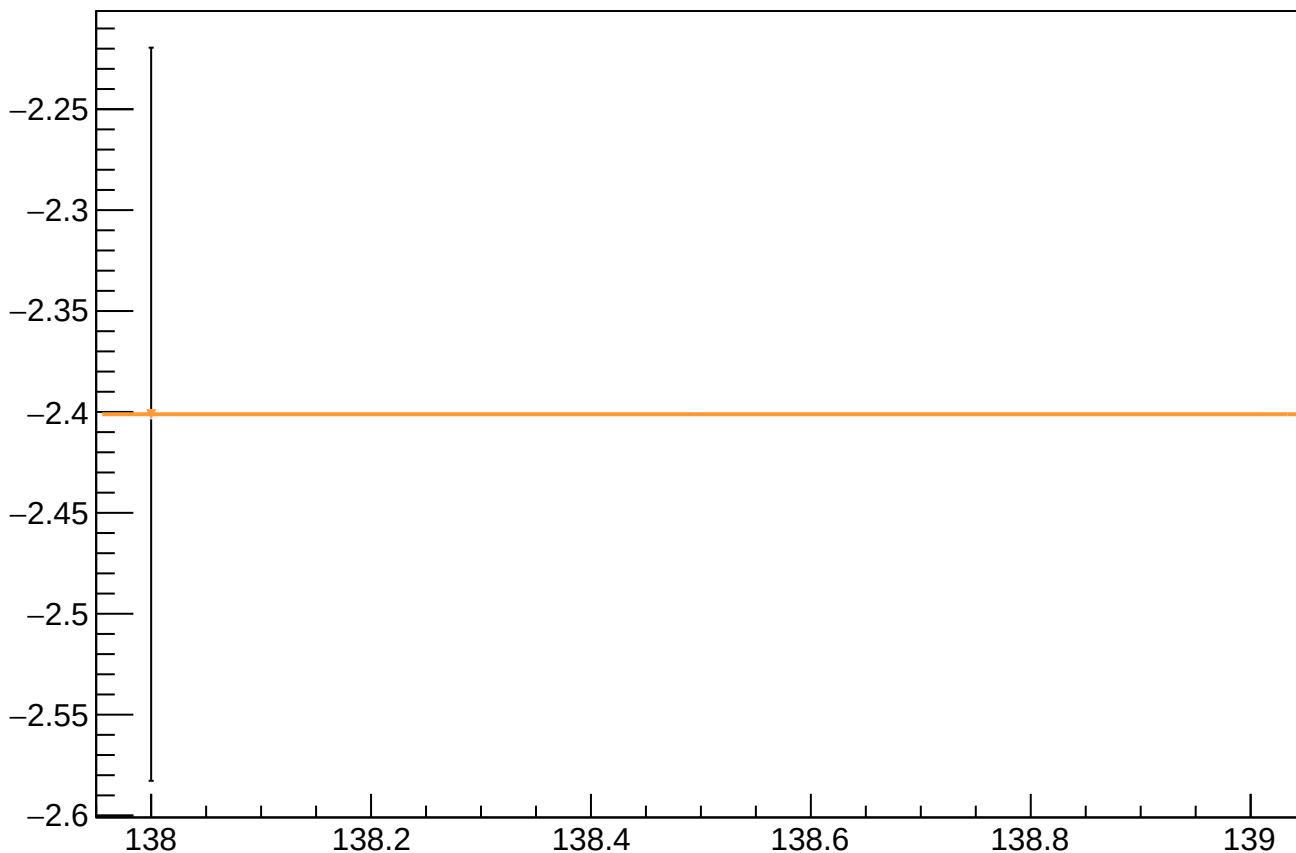
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.628 $\pm$ 0.169  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left Out:  $-2.401 \pm 0.182$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

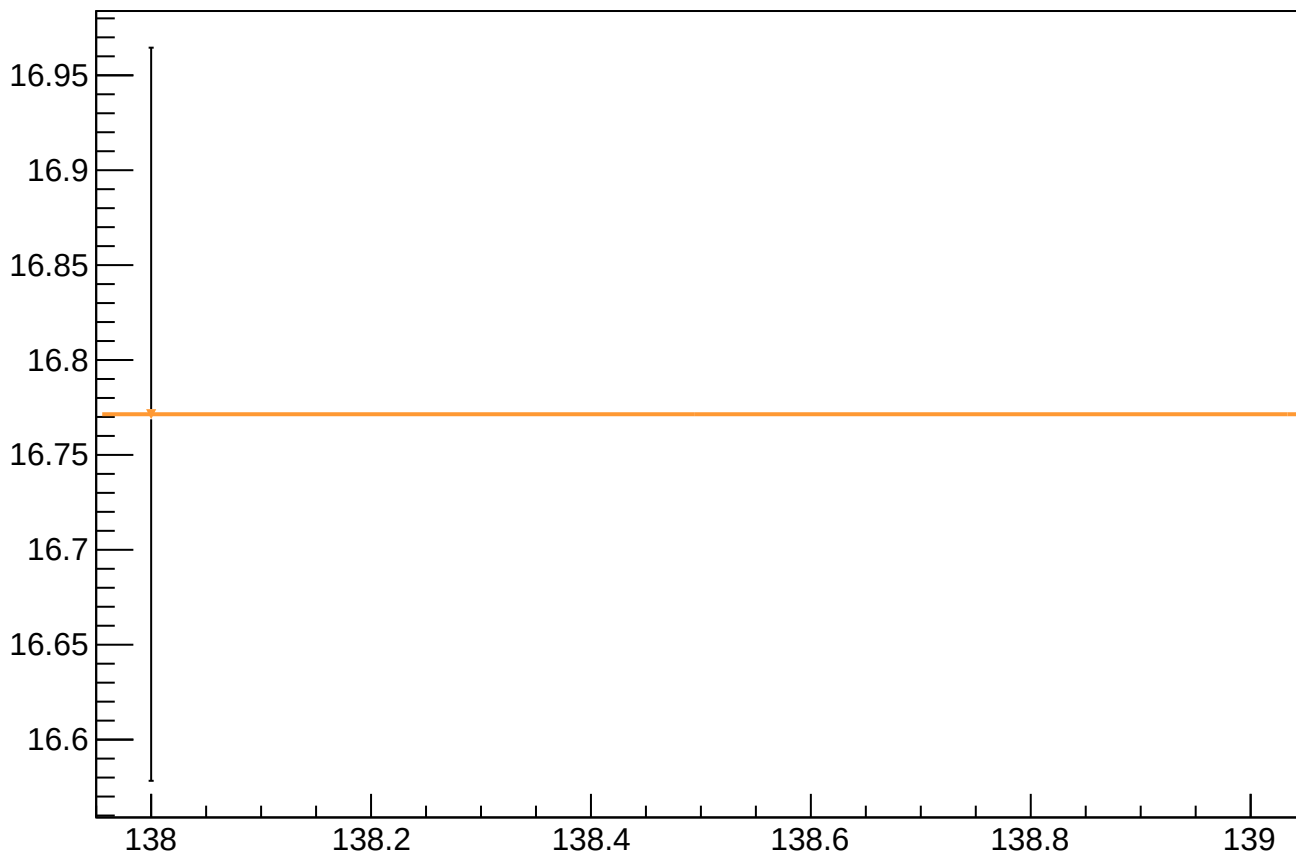
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.401 \pm 0.182$   $\chi^2/\text{NDF}$ : 0.0/0

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 16.771+/-0.193  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

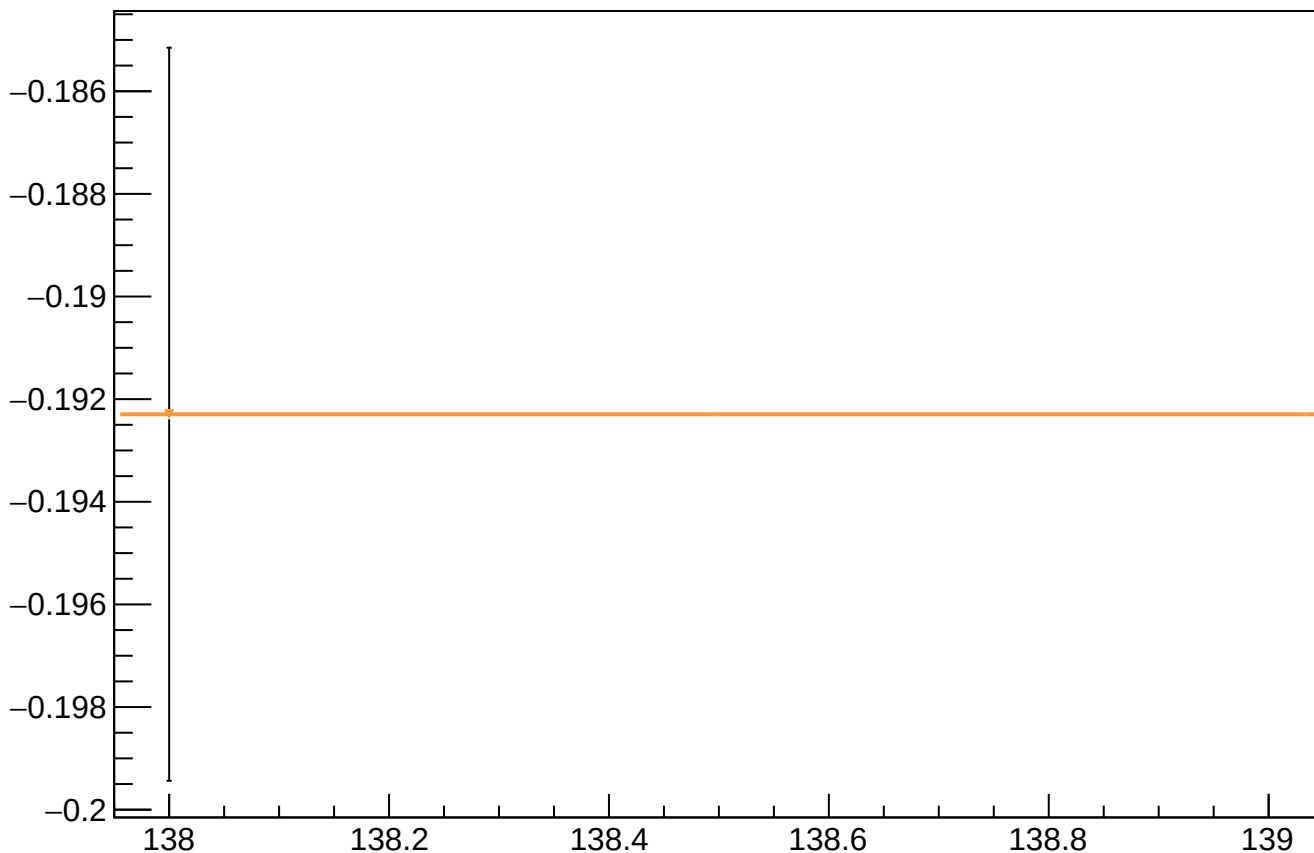
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 16.771+/-0.193  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_37\_26\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.192+/-0.007  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

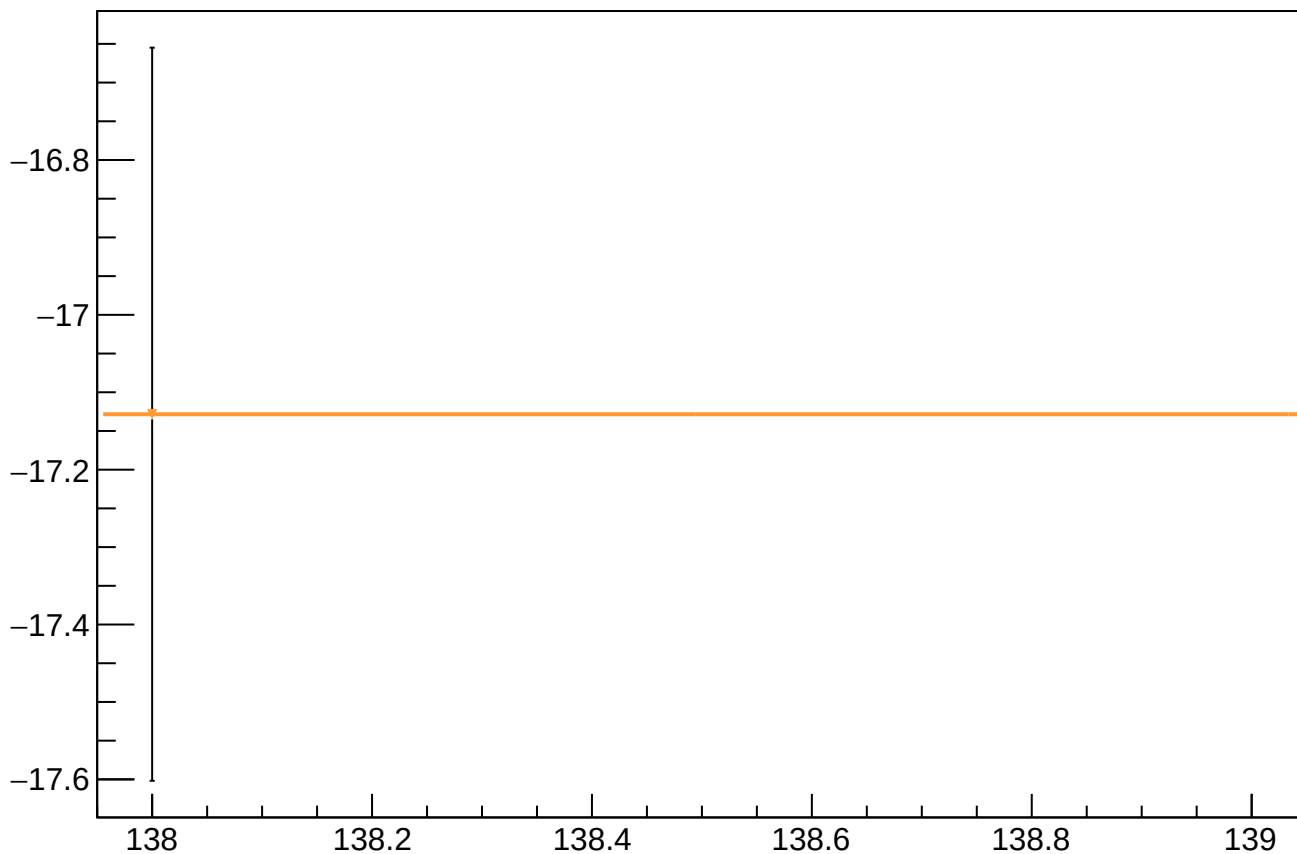
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.192+/-0.007  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1357\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -17.128+/-0.473  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

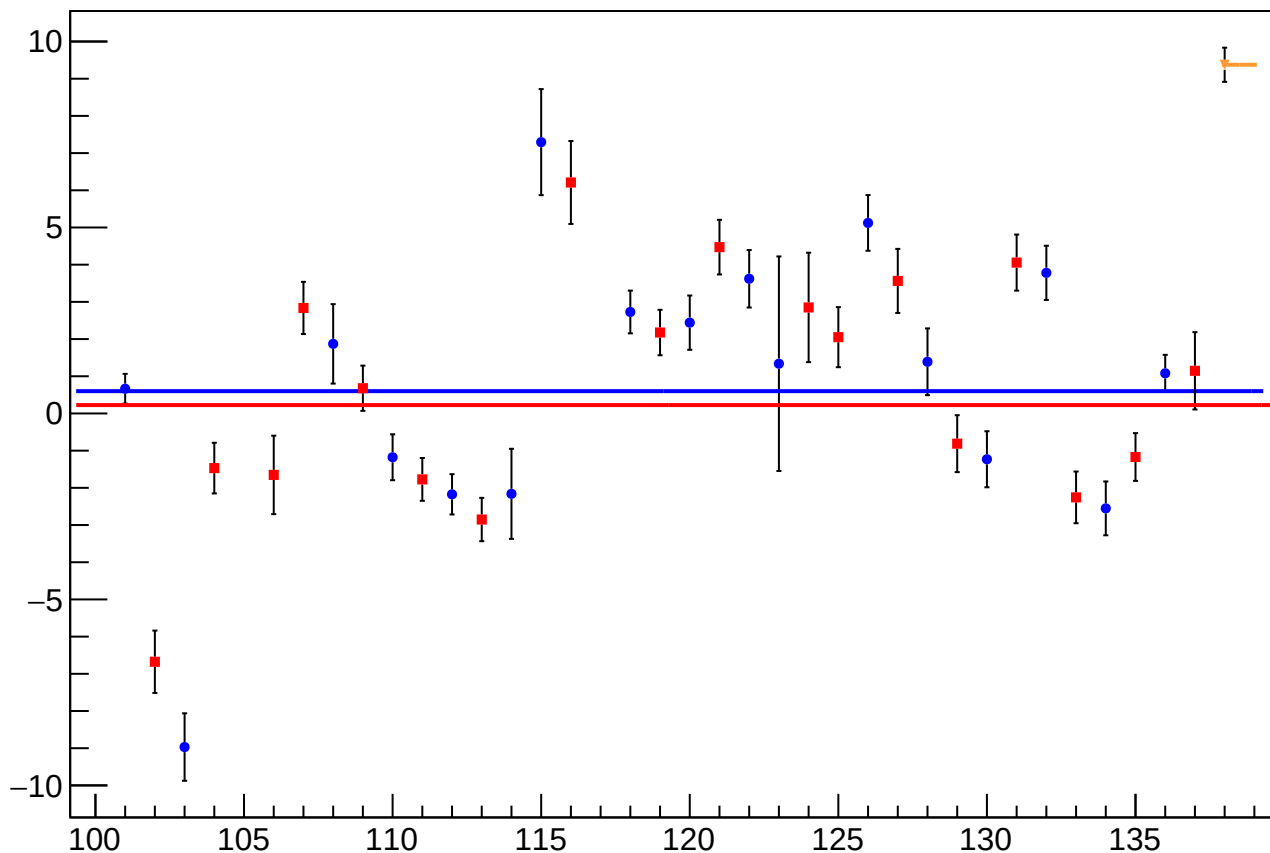
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -17.128+/-0.473  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



reg\_asym\_sam\_1357\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 0.600 $\pm$ 0.169  $\chi^2$ /NDF: 291.9/16

Left Out: 9.375 $\pm$ 0.459  $\chi^2$ /NDF:0.0/0

Right Out: 0.225 $\pm$ 0.175  $\chi^2$ /NDF: 273.2/17

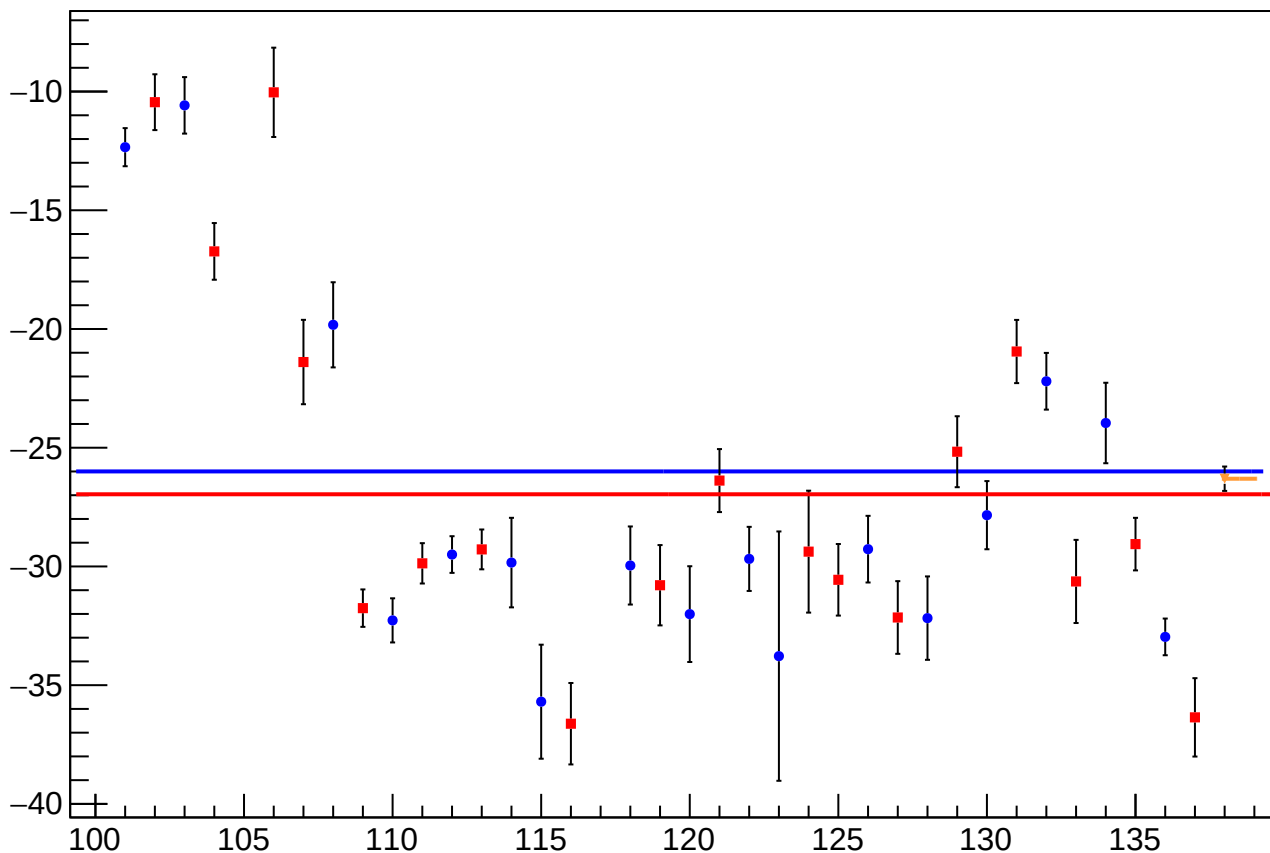
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 1.648 $\pm$ 0.159  $\chi^2$ /NDF: 613.1/17

All: 1.004 $\pm$ 0.118  $\chi^2$ /NDF: 922.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-25.998 \pm 0.300$   $\chi^2/\text{NDF}$ : 692.6/16

Left Out:  $-26.306 \pm 0.513$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-26.960 \pm 0.298$   $\chi^2/\text{NDF}$ : 535.4/17

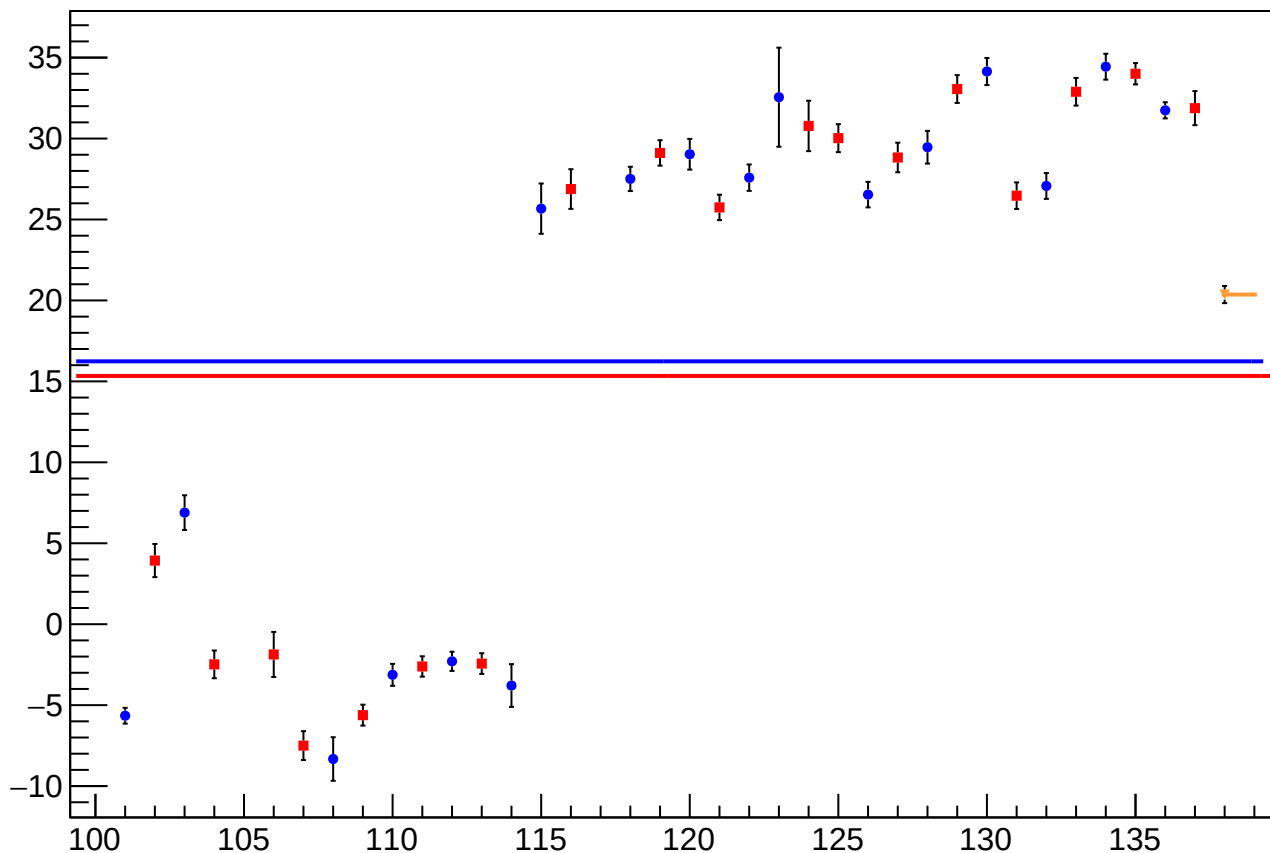
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-26.077 \pm 0.259$   $\chi^2/\text{NDF}$ : 692.9/17

All:  $-26.457 \pm 0.196$   $\chi^2/\text{NDF}$ : 1233.3/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_1357\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 16.237 $\pm$ 0.191  $\chi^2$ /NDF: 7579.9/16

Left Out: 20.364 $\pm$ 0.530  $\chi^2$ /NDF: 0.0/0

Right Out: 15.335 $\pm$ 0.197  $\chi^2$ /NDF: 7259.7/17

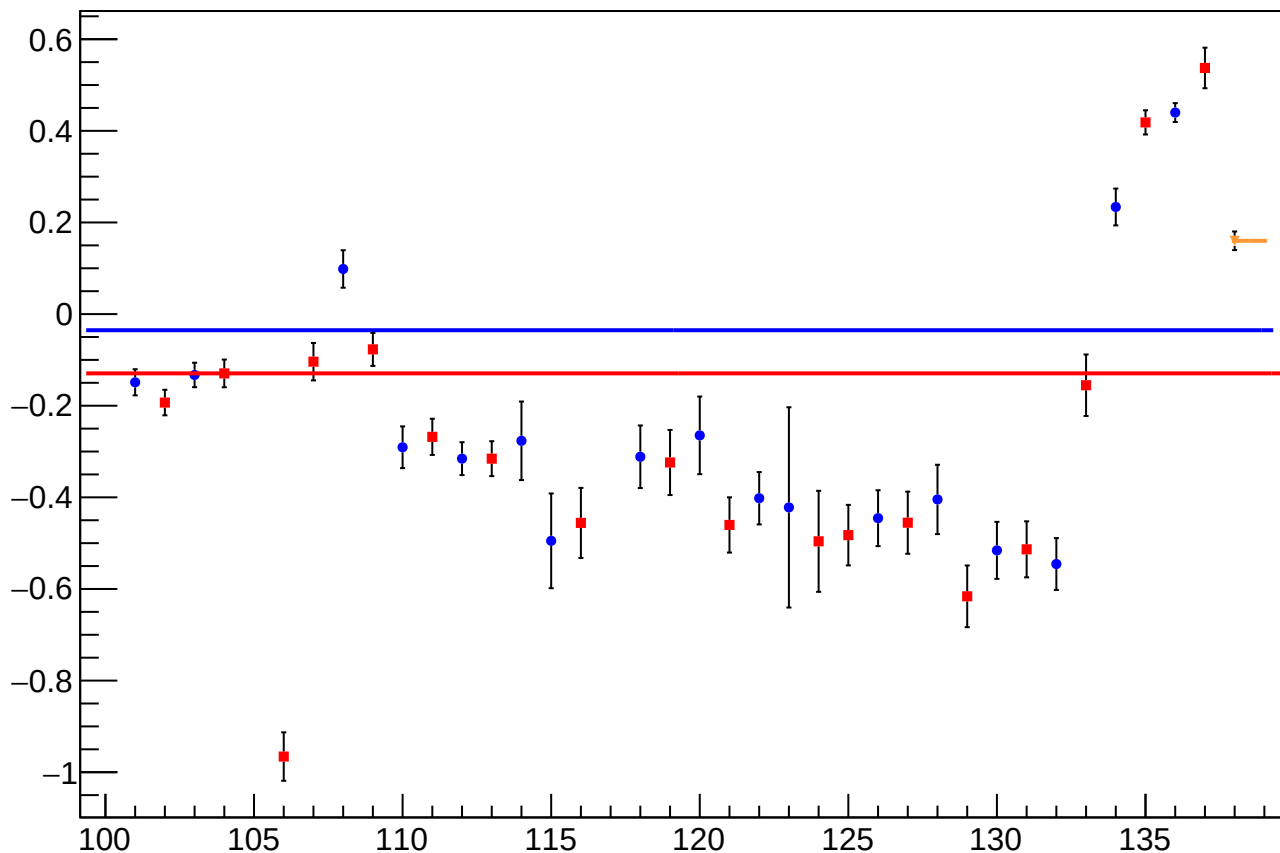
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 16.713 $\pm$ 0.180  $\chi^2$ /NDF: 7633.5/17

All: 16.087 $\pm$ 0.133  $\chi^2$ /NDF: 14919.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1357\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -0.035 $\pm$ 0.010  $\chi^2$ /NDF: 1013.6/16

Left Out: 0.160 $\pm$ 0.020  $\chi^2$ /NDF:0.0/0

Right Out: -0.129 $\pm$ 0.010  $\chi^2$ /NDF: 1161.5/17

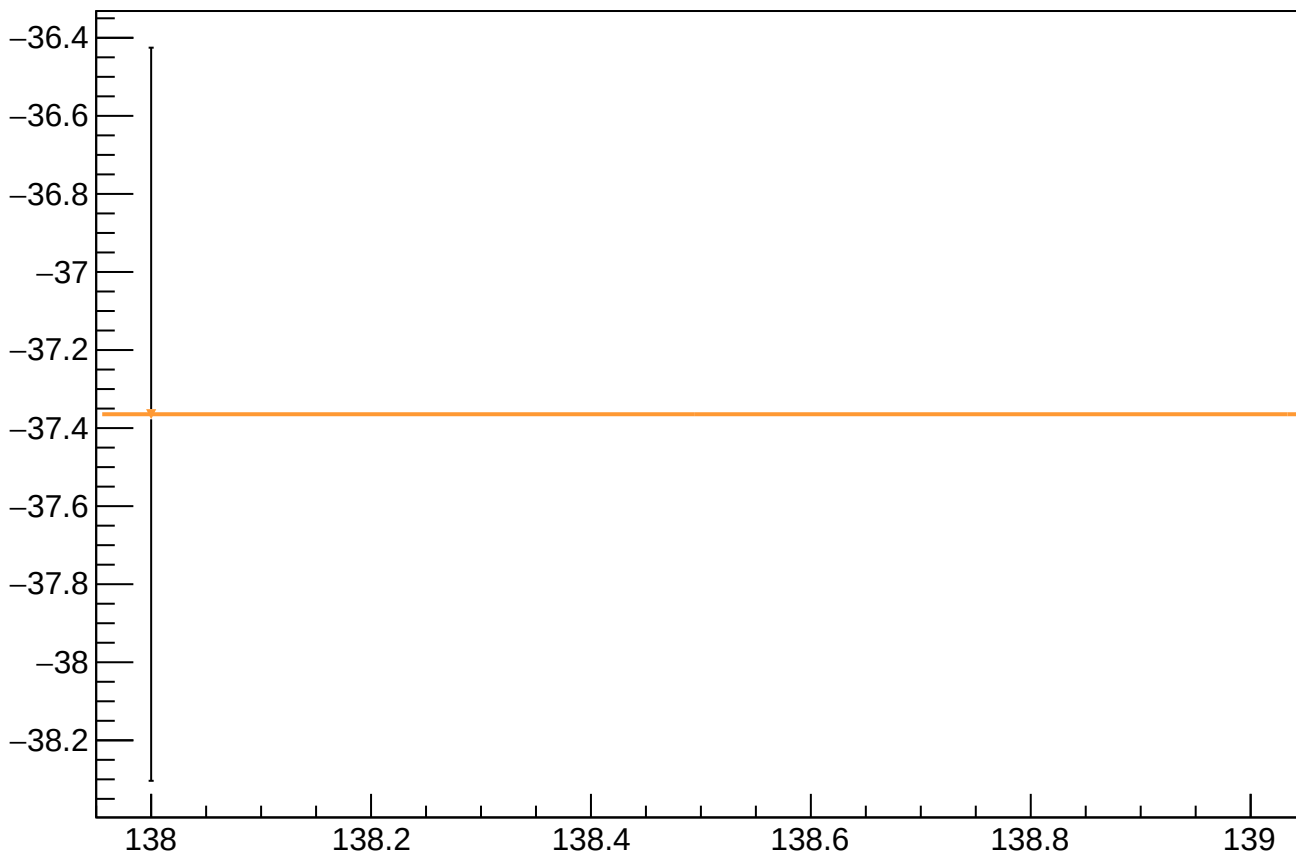
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.005 $\pm$ 0.009  $\chi^2$ /NDF: 1086.9/17

All: -0.054 $\pm$ 0.007  $\chi^2$ /NDF: 2341.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_2468\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -37.364 $\pm$ 0.939  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

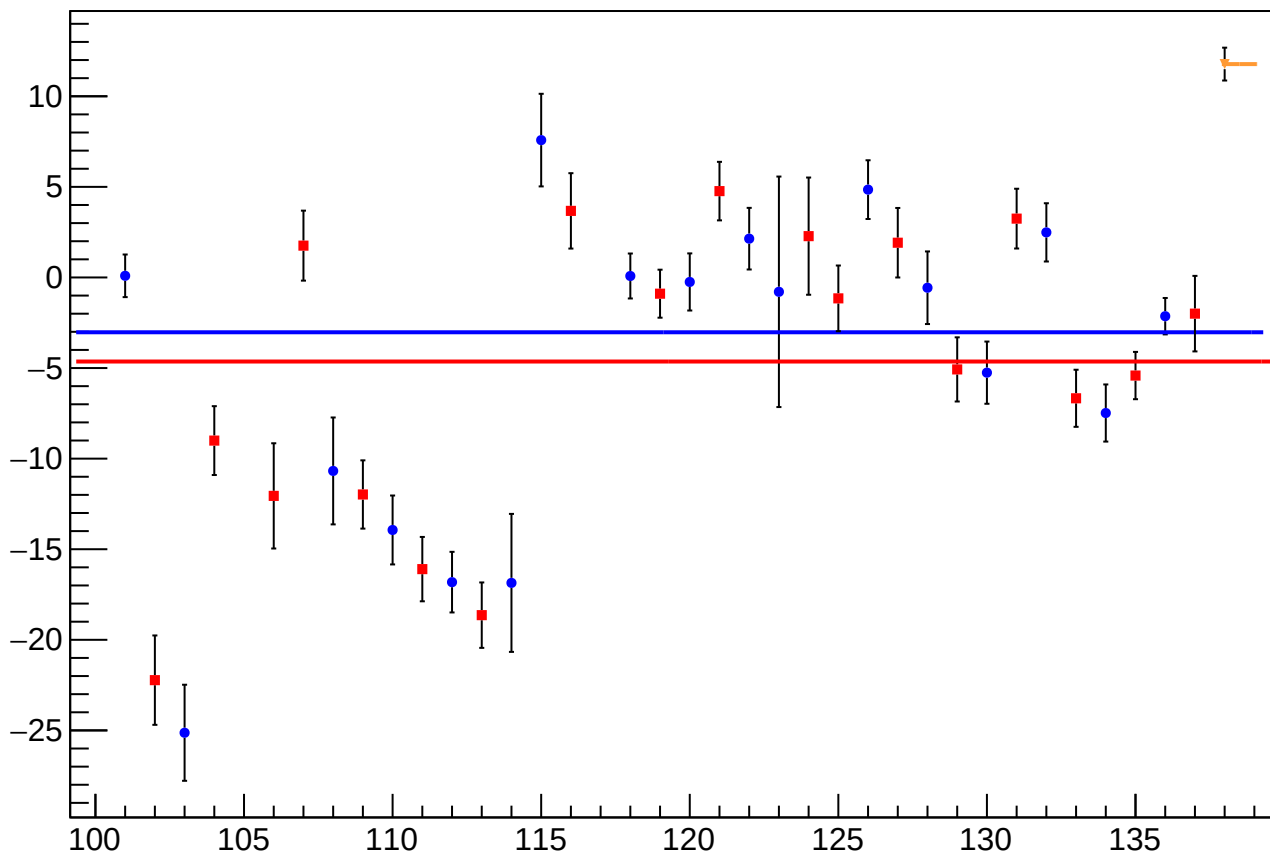
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

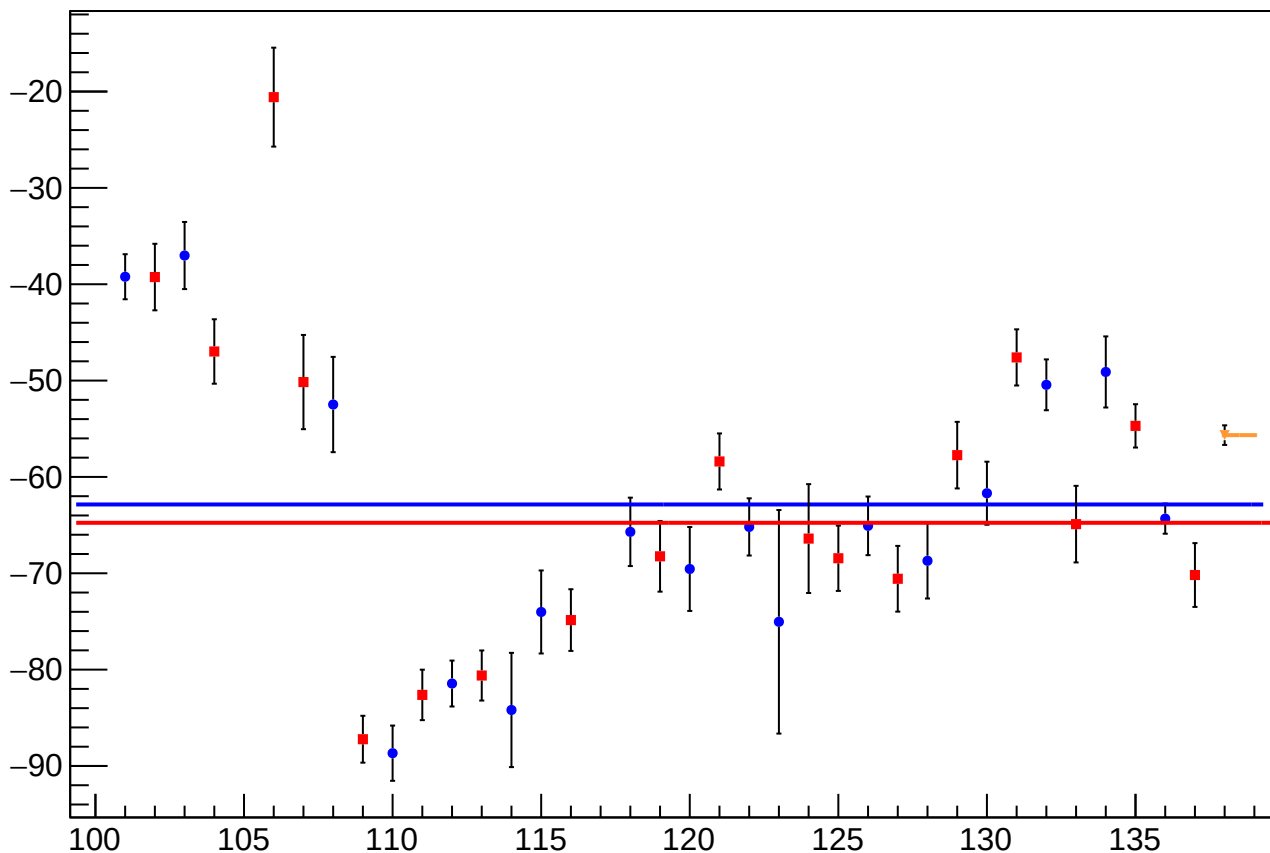
All: -37.364 $\pm$ 0.939  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug



reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-62.858 \pm 0.739$   $\chi^2/\text{NDF}$ : 367.7/16

Left Out:  $-55.661 \pm 1.018$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-64.761 \pm 0.753$   $\chi^2/\text{NDF}$ : 416.1/17

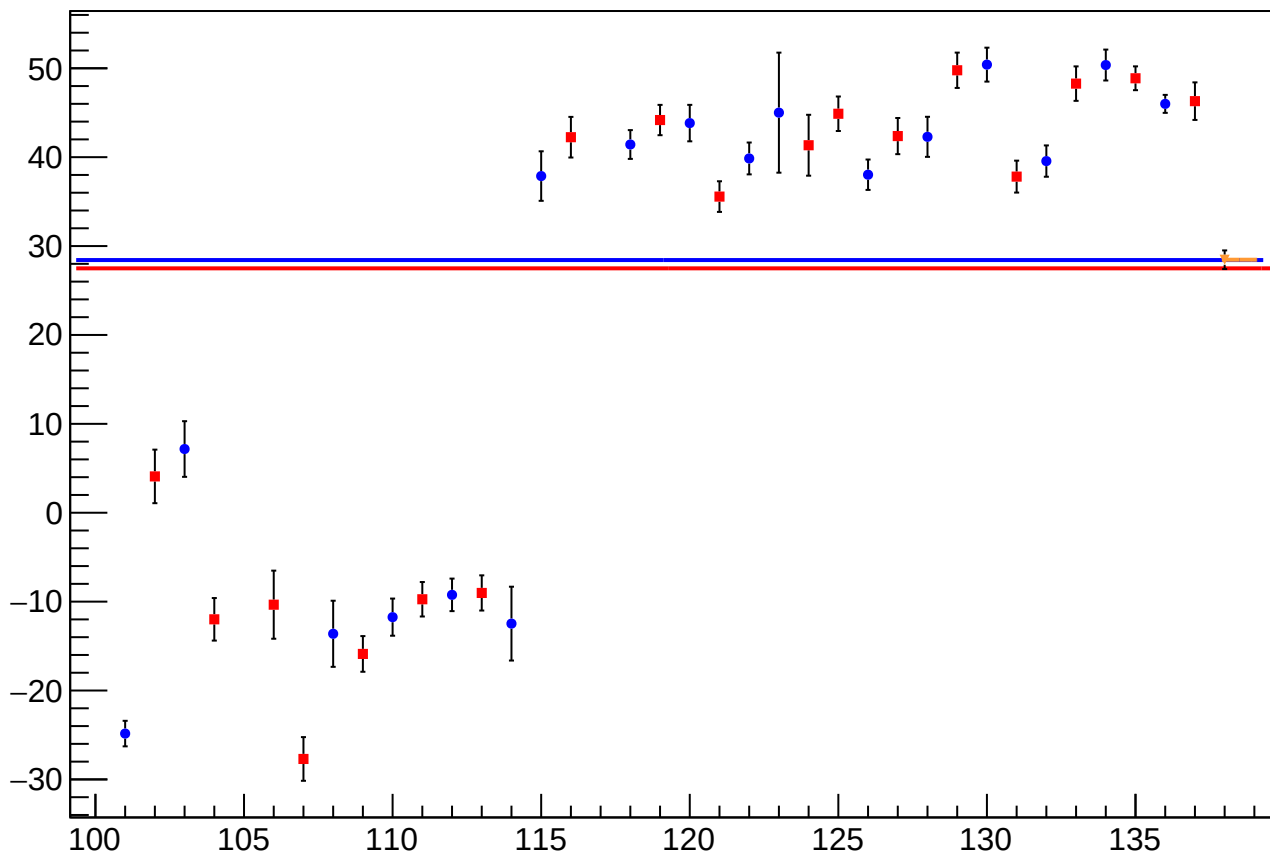
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-60.374 \pm 0.598$   $\chi^2/\text{NDF}$ : 400.5/17

All:  $-62.071 \pm 0.468$   $\chi^2/\text{NDF}$ : 837.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 28.426 $\pm$ 0.458  $\chi^2$ /NDF: 3322.4/16

Left Out: 28.463 $\pm$ 1.048  $\chi^2$ /NDF: 0.0/0

Right Out: 27.493 $\pm$ 0.479  $\chi^2$ /NDF: 3027.8/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

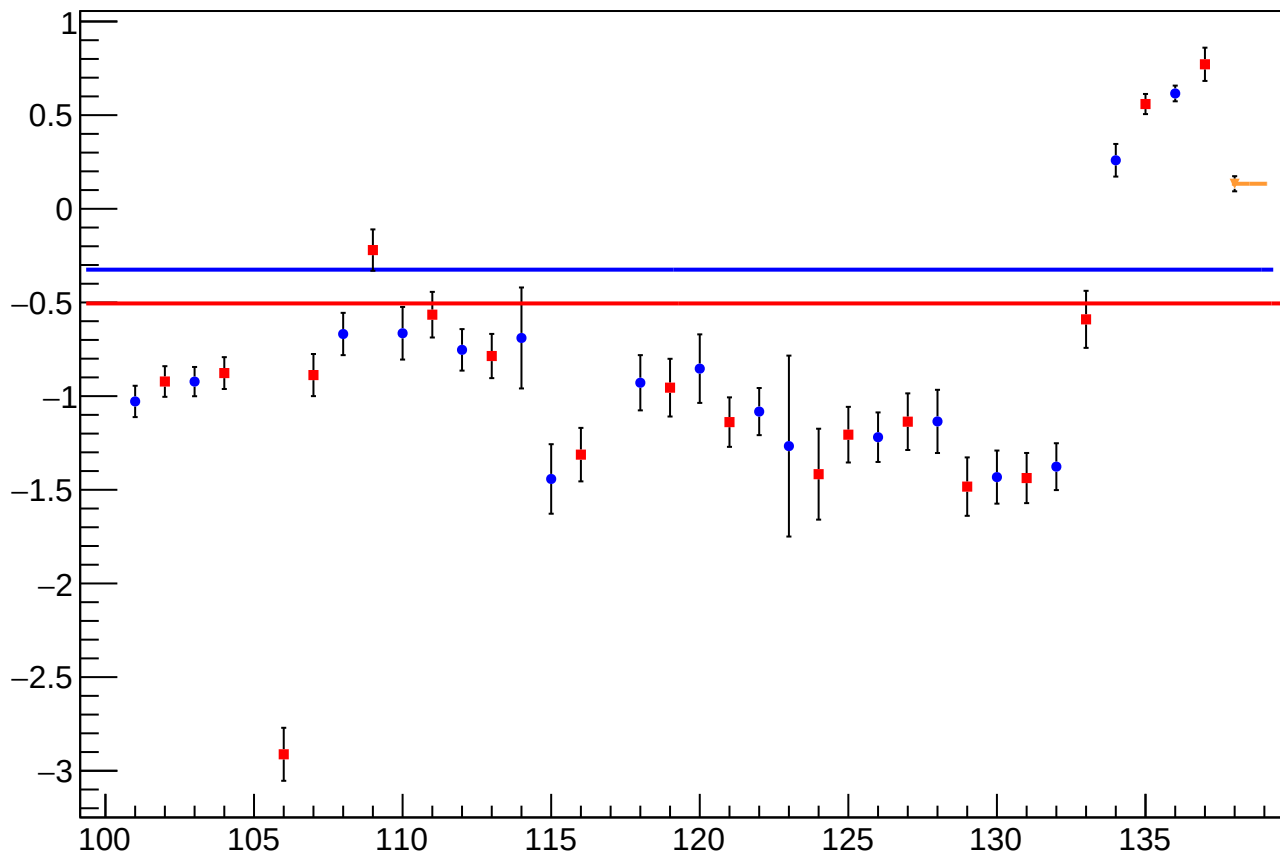
+ sign 28.432 $\pm$ 0.420  $\chi^2$ /NDF: 3322.4/17

All: 28.024 $\pm$ 0.316  $\chi^2$ /NDF: 6352.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_2468\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.325 \pm 0.025$   $\chi^2/\text{NDF}$ : 1011.7/16

Left Out:  $0.134 \pm 0.040$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.505 \pm 0.026$   $\chi^2/\text{NDF}$ : 1163.3/17

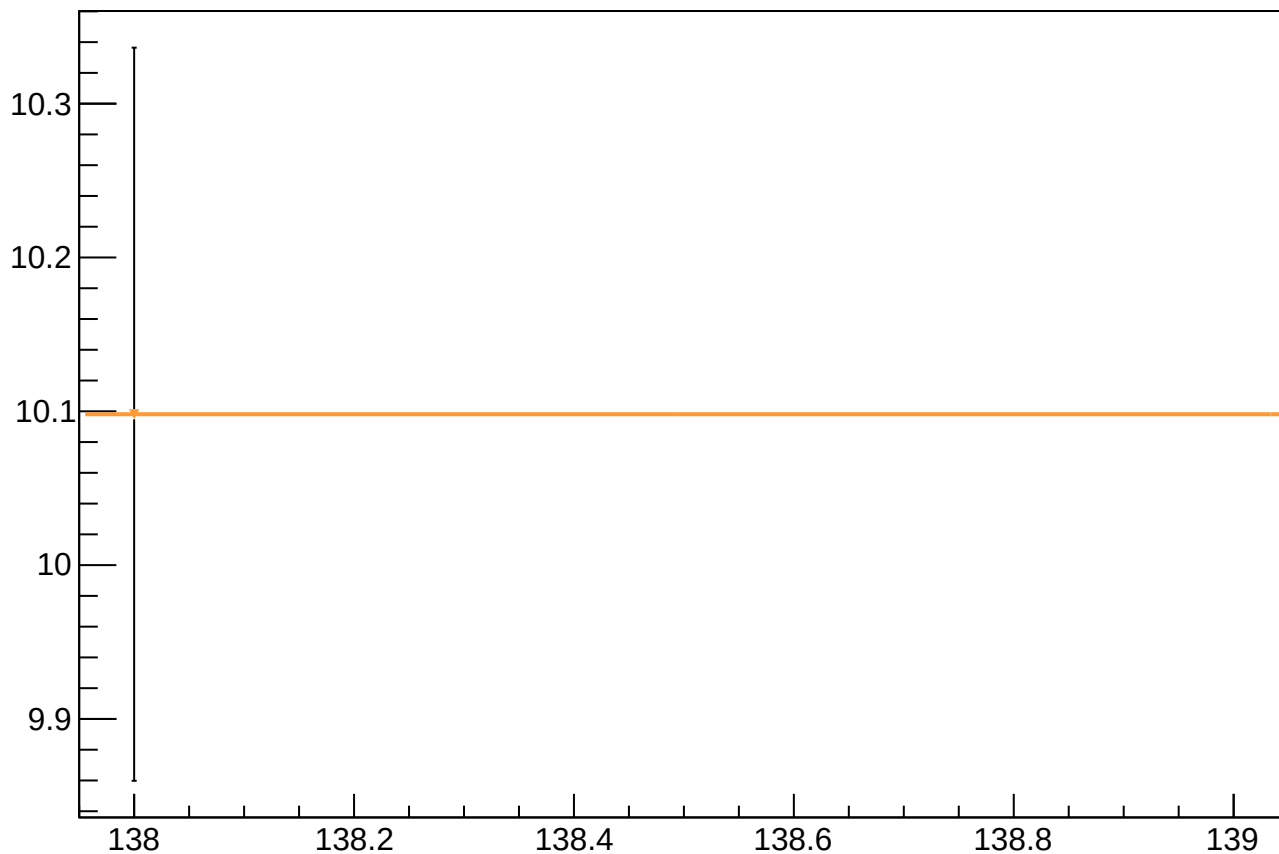
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.199 \pm 0.021$   $\chi^2/\text{NDF}$ : 1105.0/17

All:  $-0.322 \pm 0.016$   $\chi^2/\text{NDF}$ : 2352.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 10.098+/-0.238  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

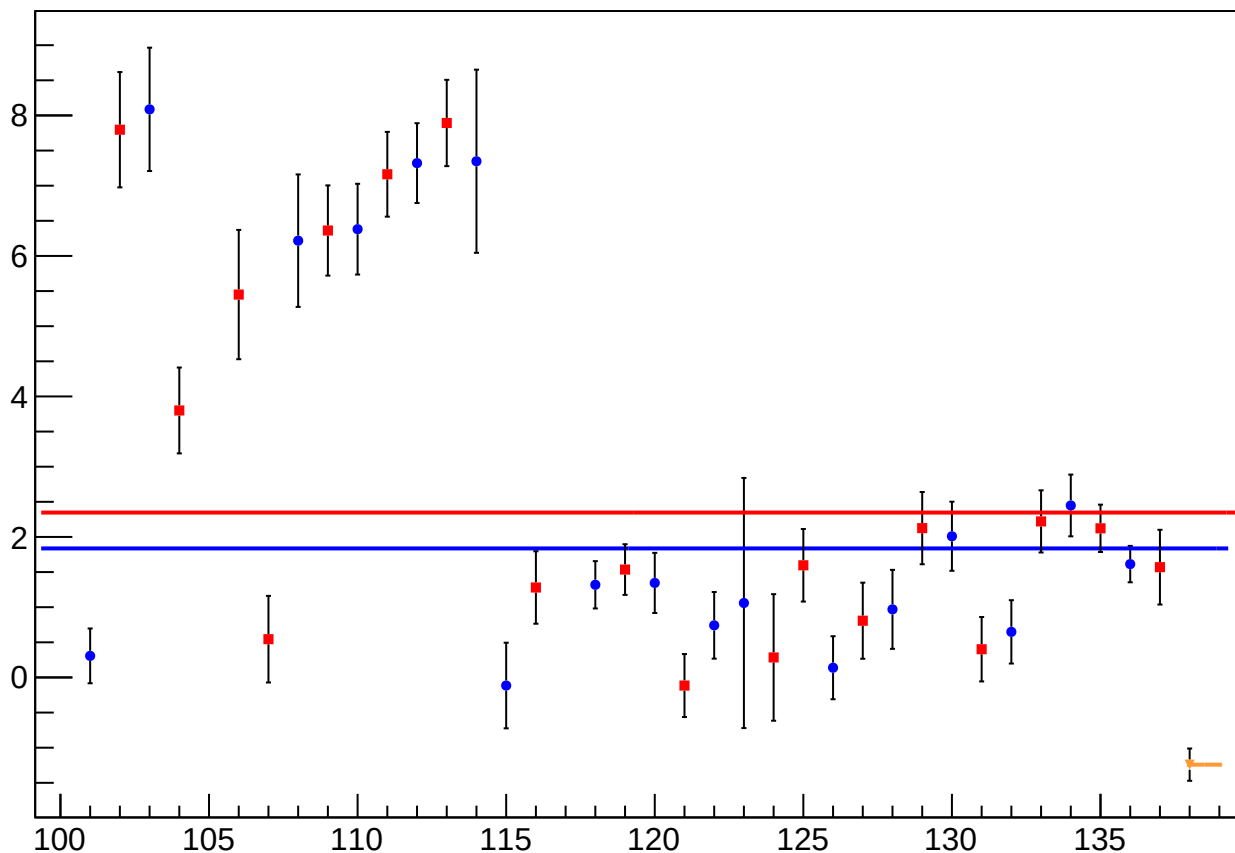
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10.098+/-0.238  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $1.837 \pm 0.116$   $\chi^2/\text{NDF}$ : 294.1/16

Left Out:  $-1.241 \pm 0.230$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $2.347 \pm 0.123$   $\chi^2/\text{NDF}$ : 329.8/17

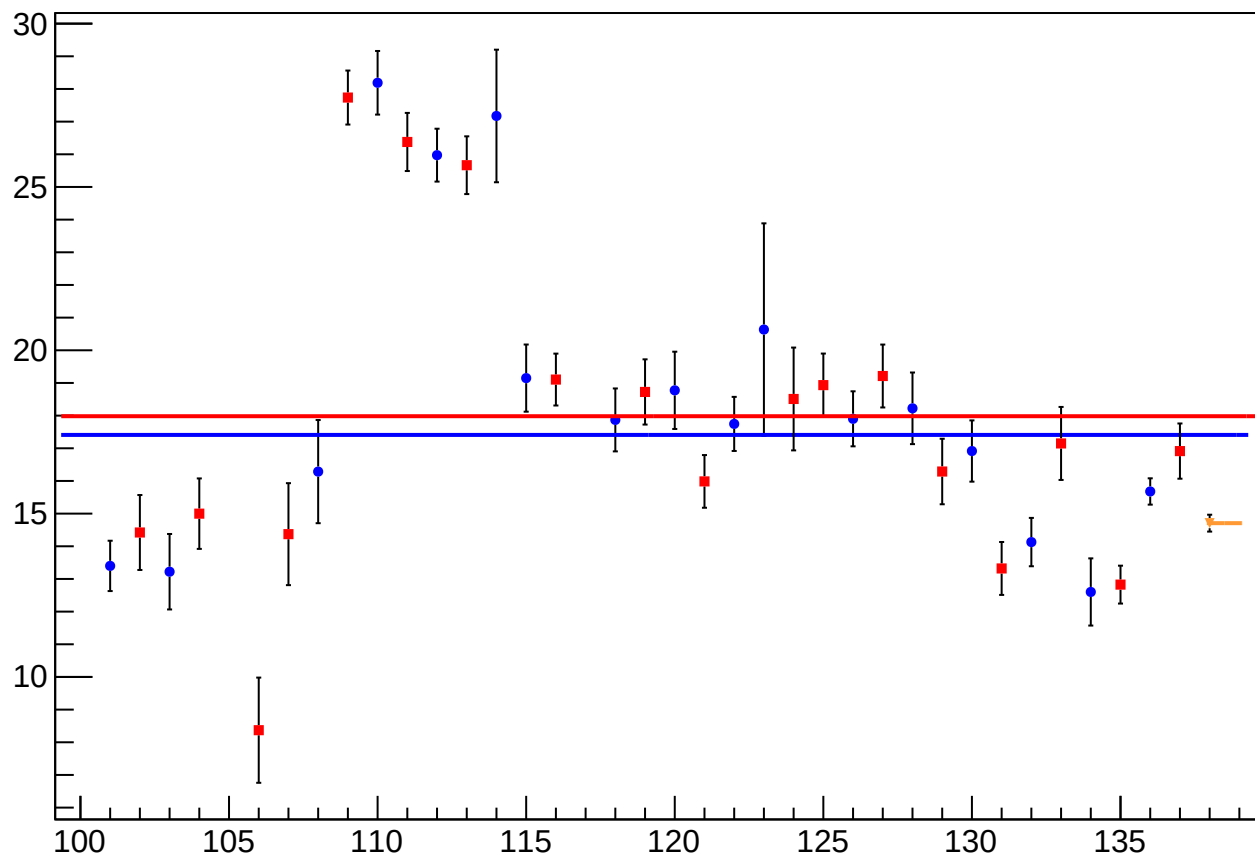
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $1.210 \pm 0.104$   $\chi^2/\text{NDF}$ : 437.1/17

All:  $1.684 \pm 0.079$   $\chi^2/\text{NDF}$ : 817.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 17.409 $\pm$ 0.212  $\chi^2$ /NDF: 365.1/16

Left Out: 14.708 $\pm$ 0.258  $\chi^2$ /NDF: 0.0/0

Right Out: 17.982 $\pm$ 0.219  $\chi^2$ /NDF: 490.7/17

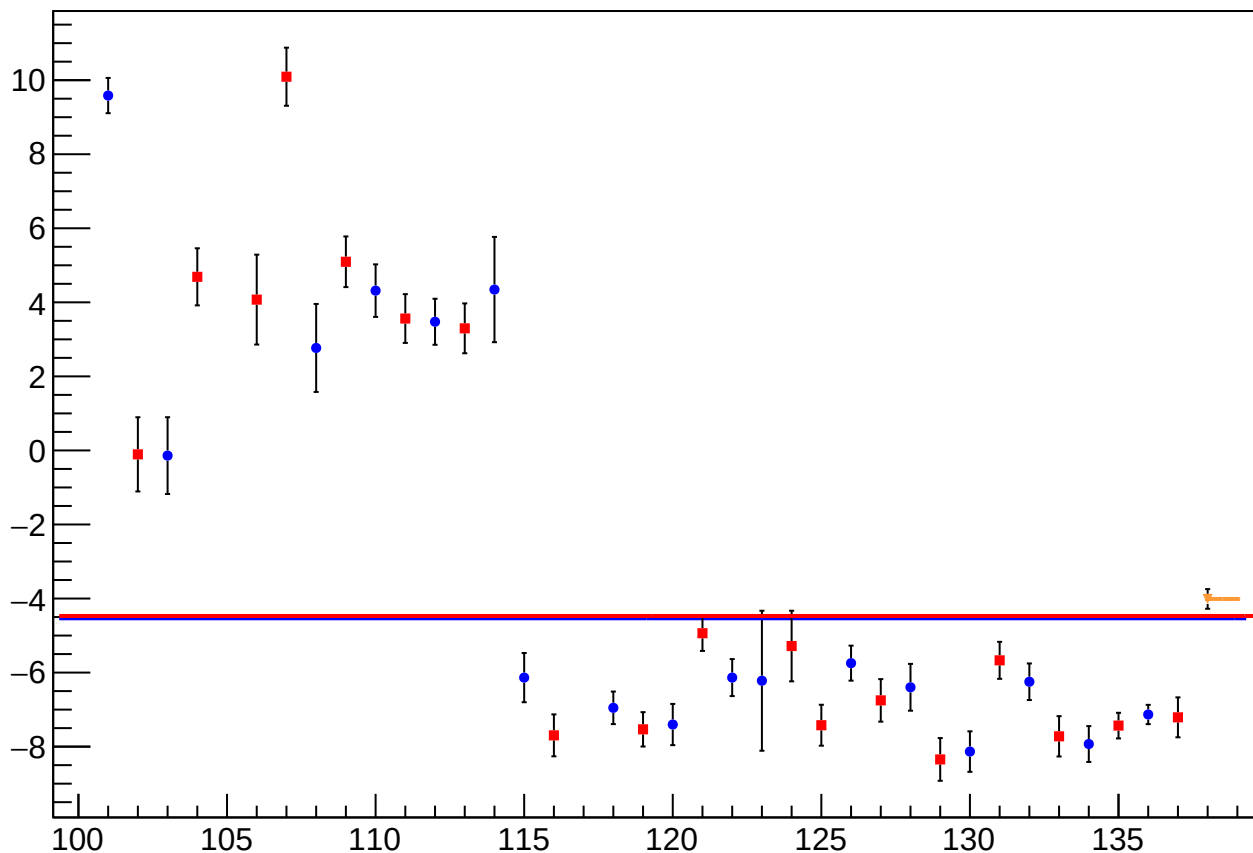
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 16.322 $\pm$ 0.164  $\chi^2$ /NDF: 430.5/17

All: 16.917 $\pm$ 0.131  $\chi^2$ /NDF: 957.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-4.533 \pm 0.130$   $\chi^2/\text{NDF}$ : 1588.4/16

Left Out:  $-4.011 \pm 0.266$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-4.471 \pm 0.137$   $\chi^2/\text{NDF}$ : 1339.3/17

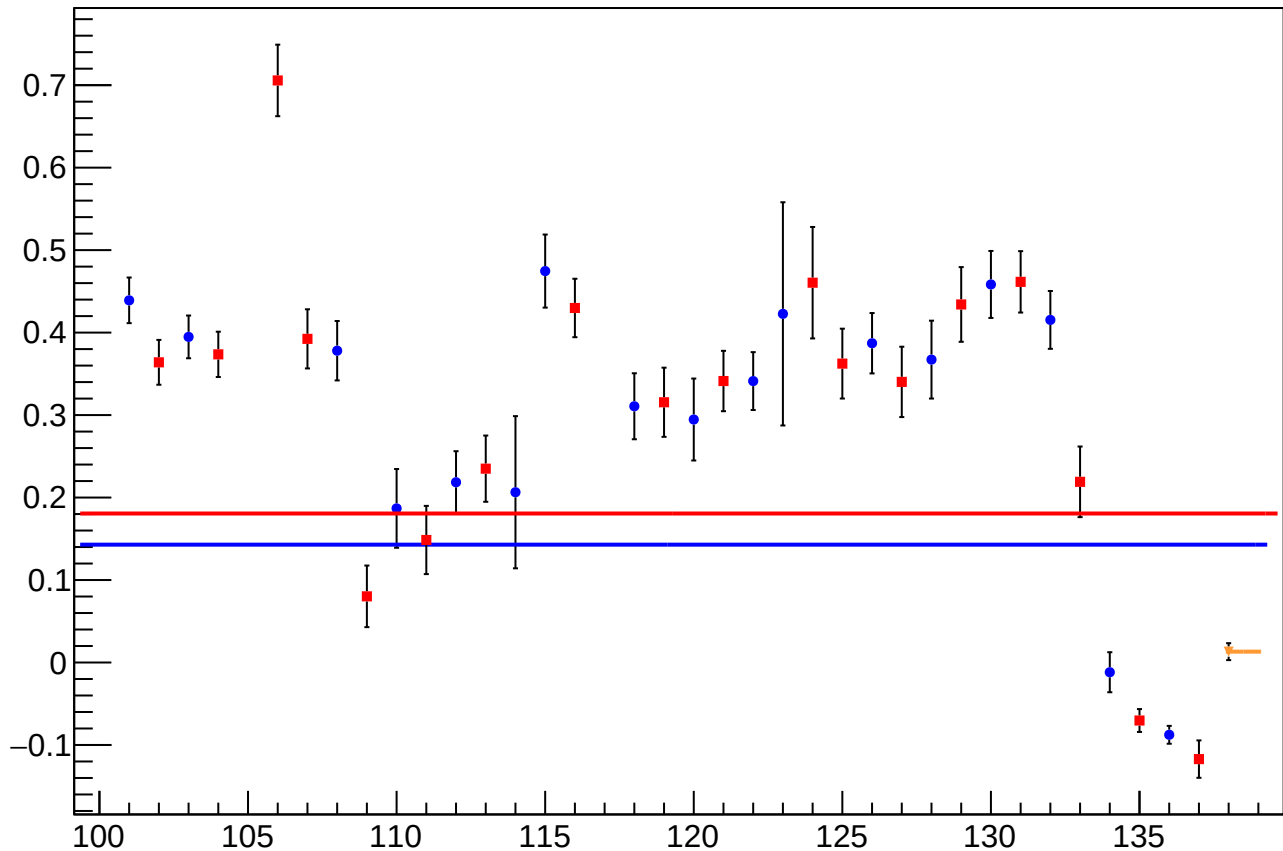
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-4.433 \pm 0.117$   $\chi^2/\text{NDF}$ : 1591.5/17

All:  $-4.449 \pm 0.089$   $\chi^2/\text{NDF}$ : 2930.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.143 $\pm$ 0.007  $\chi^2$ /NDF: 1058.9/16

Left Out: 0.013 $\pm$ 0.010  $\chi^2$ /NDF: 0.0/0

Right Out: 0.181 $\pm$ 0.007  $\chi^2$ /NDF: 1003.7/17

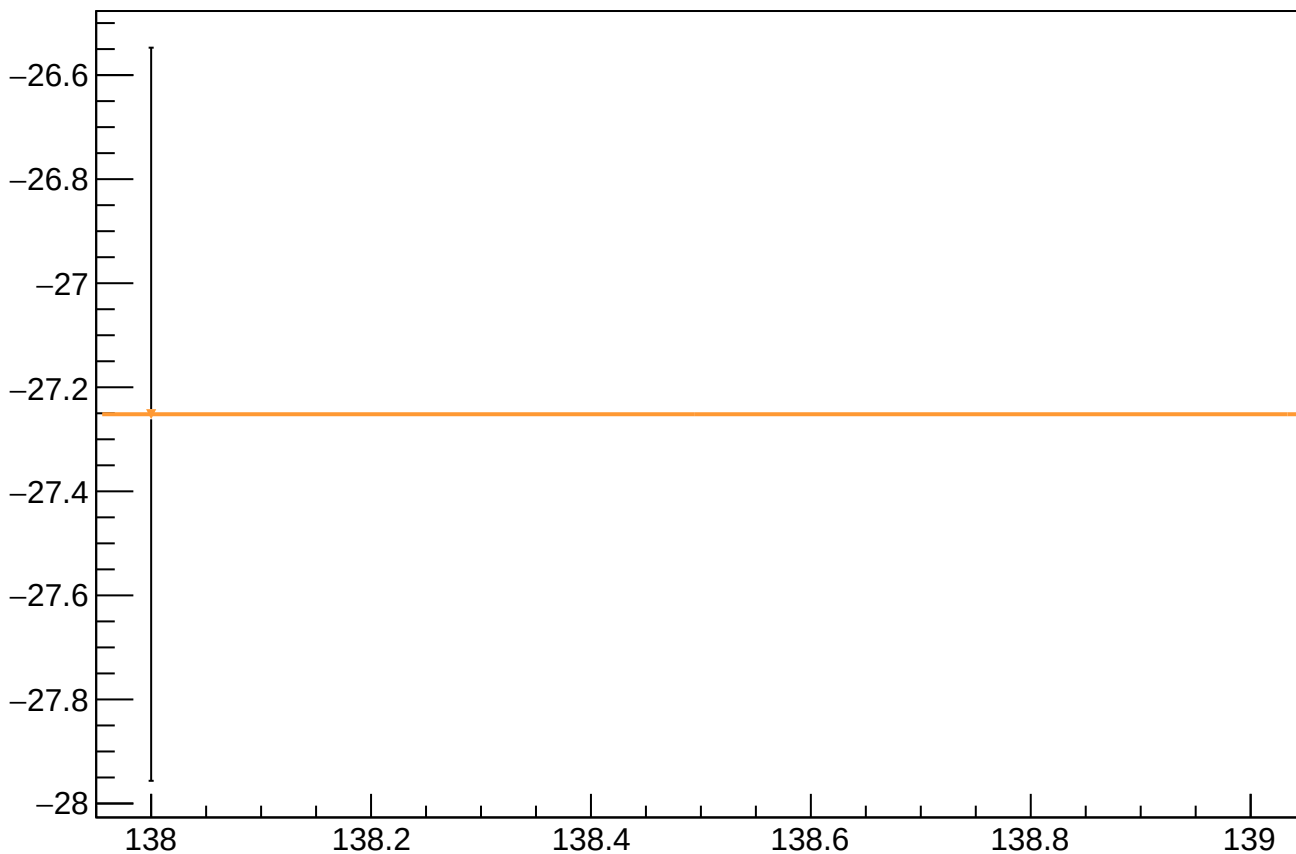
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.101 $\pm$ 0.006  $\chi^2$ /NDF: 1167.2/17

All: 0.132 $\pm$ 0.005  $\chi^2$ /NDF: 2242.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_12345678\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -27.252+/-0.705  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

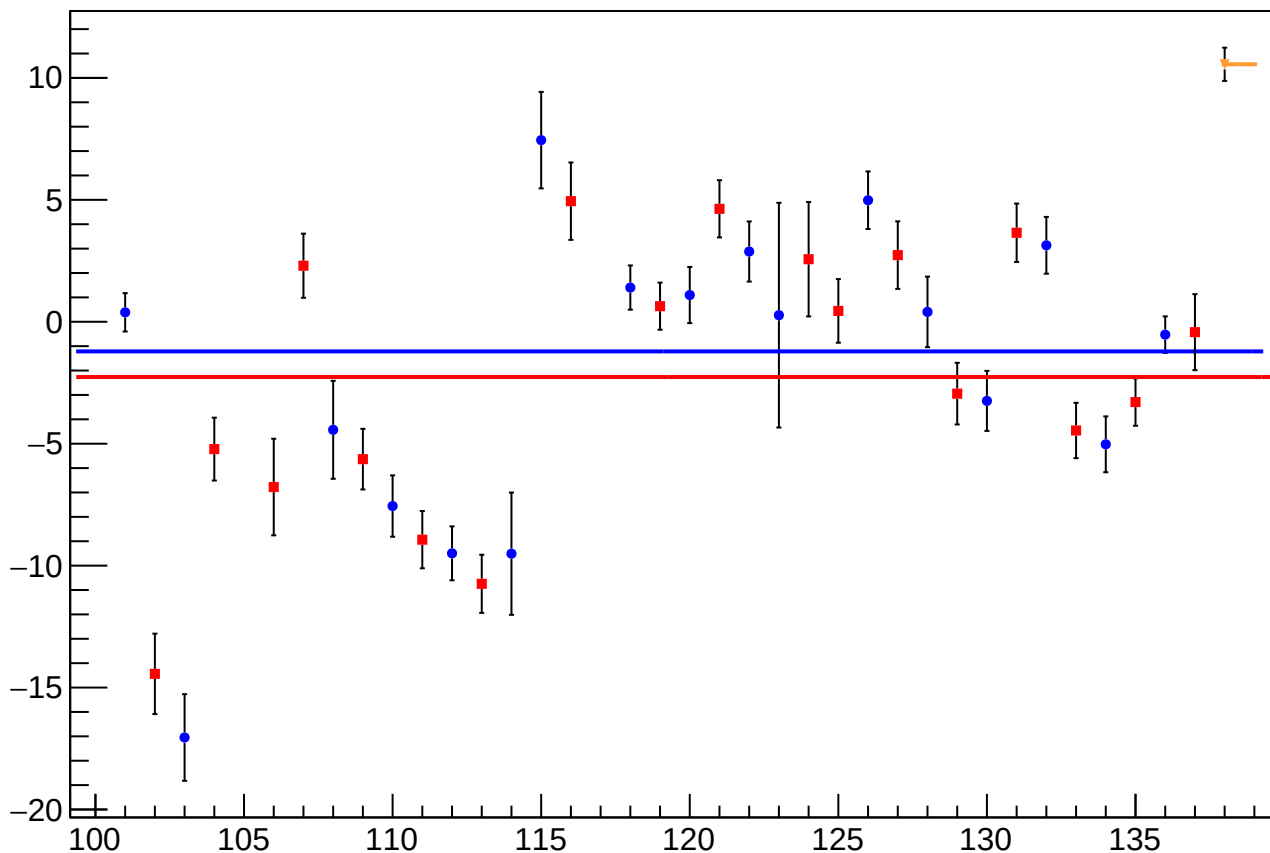
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -27.252+/-0.705  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: -1.215 $\pm$ 0.290  $\chi^2$ /NDF: 278.7/16

Left Out: 10.559 $\pm$ 0.681  $\chi^2$ /NDF: 0.0/0

Right Out: -2.267 $\pm$ 0.302  $\chi^2$ /NDF: 283.9/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

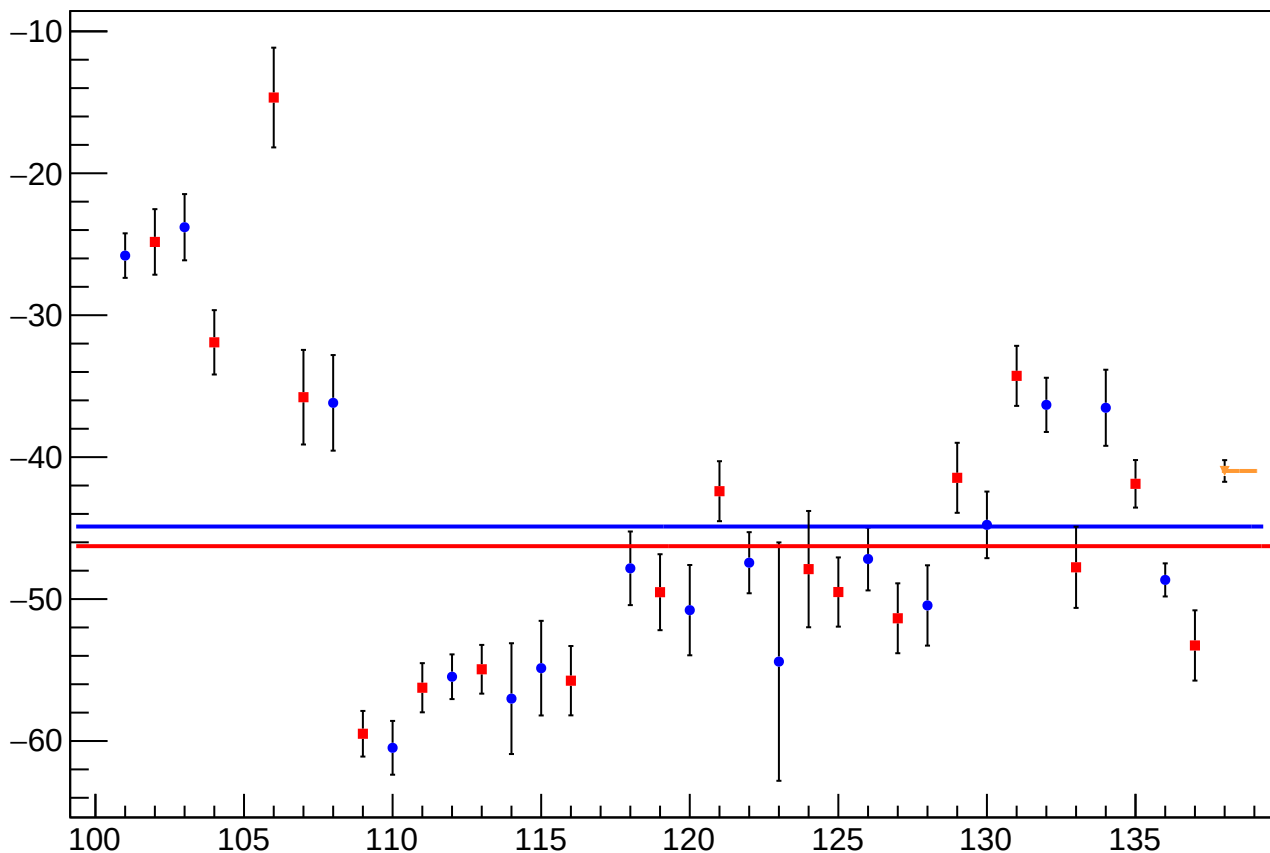
+ sign 0.596 $\pm$ 0.267  $\chi^2$ /NDF: 531.6/17

All: -0.658 $\pm$ 0.200  $\chi^2$ /NDF: 865.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-44.888 \pm 0.523$   $\chi^2/\text{NDF}$ : 420.4/16

Left Out:  $-40.974 \pm 0.763$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-46.272 \pm 0.530$   $\chi^2/\text{NDF}$ : 420.5/17

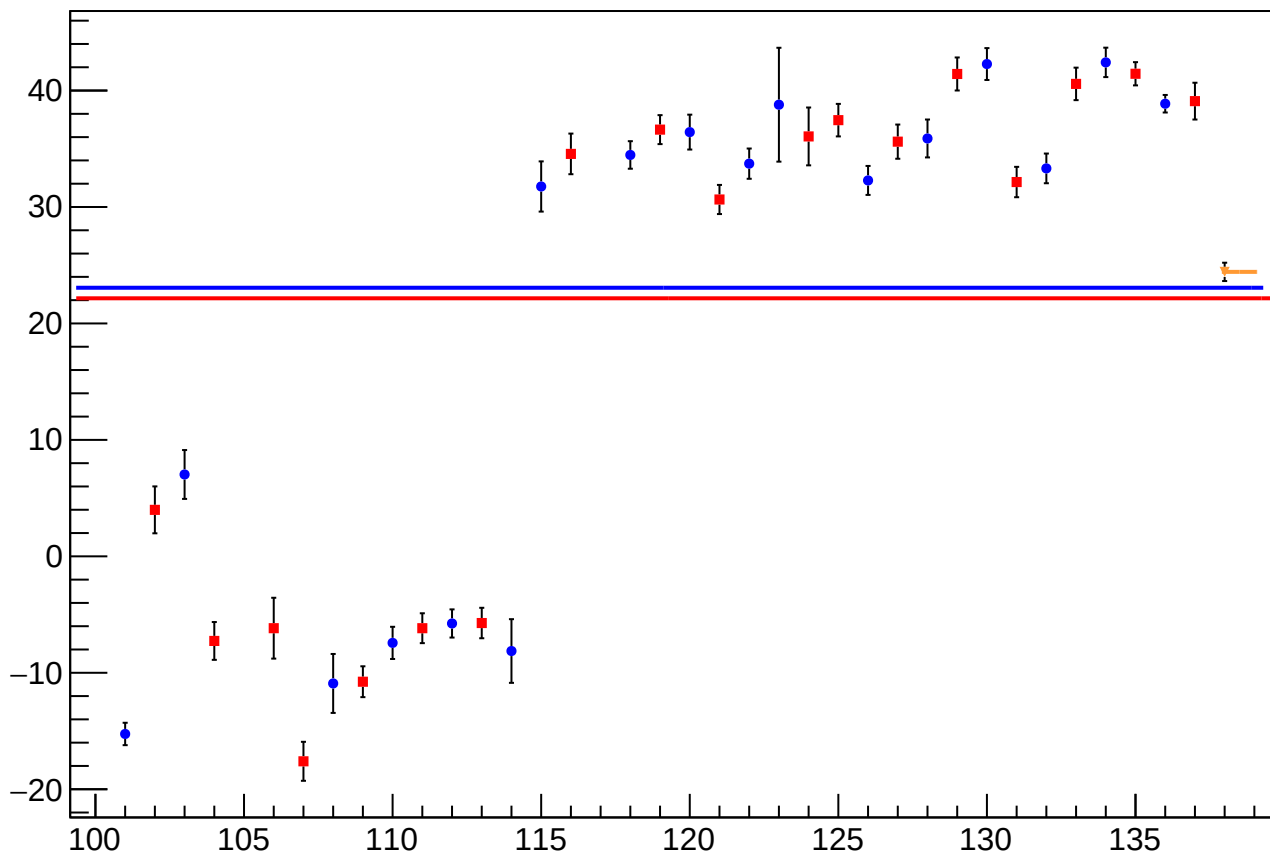
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-43.637 \pm 0.432$   $\chi^2/\text{NDF}$ : 438.3/17

All:  $-44.689 \pm 0.335$   $\chi^2/\text{NDF}$ : 873.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 23.066 $\pm$ 0.327  $\chi^2$ /NDF: 4333.5/16

Left Out: 24.429 $\pm$ 0.787  $\chi^2$ /NDF: 0.0/0

Right Out: 22.159 $\pm$ 0.340  $\chi^2$ /NDF: 4025.5/17

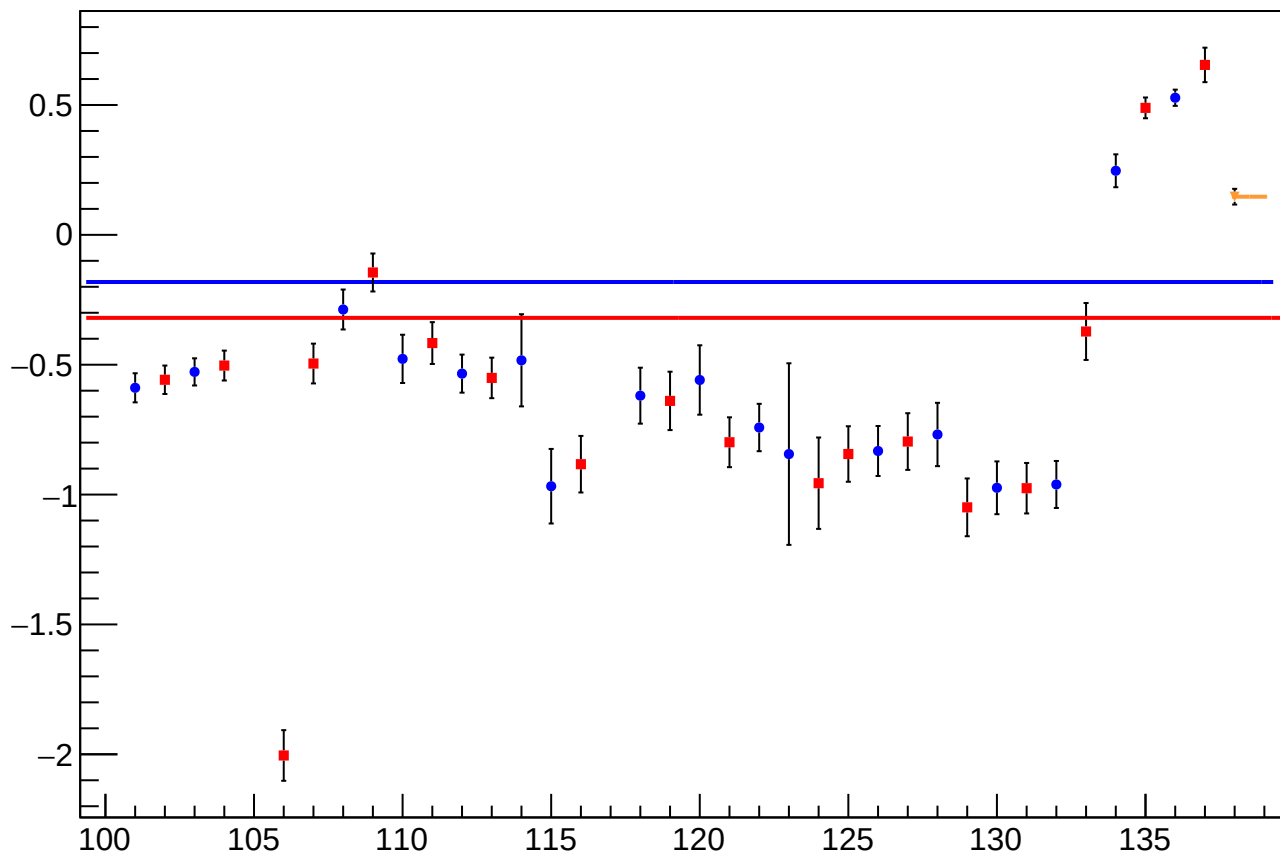
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 23.266 $\pm$ 0.302  $\chi^2$ /NDF: 4336.0/17

All: 22.779 $\pm$ 0.226  $\chi^2$ /NDF: 8367.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_12345678\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.182 \pm 0.018$   $\chi^2/\text{NDF}$ : 996.9/16

Left Out:  $0.147 \pm 0.030$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.320 \pm 0.018$   $\chi^2/\text{NDF}$ : 1177.5/17

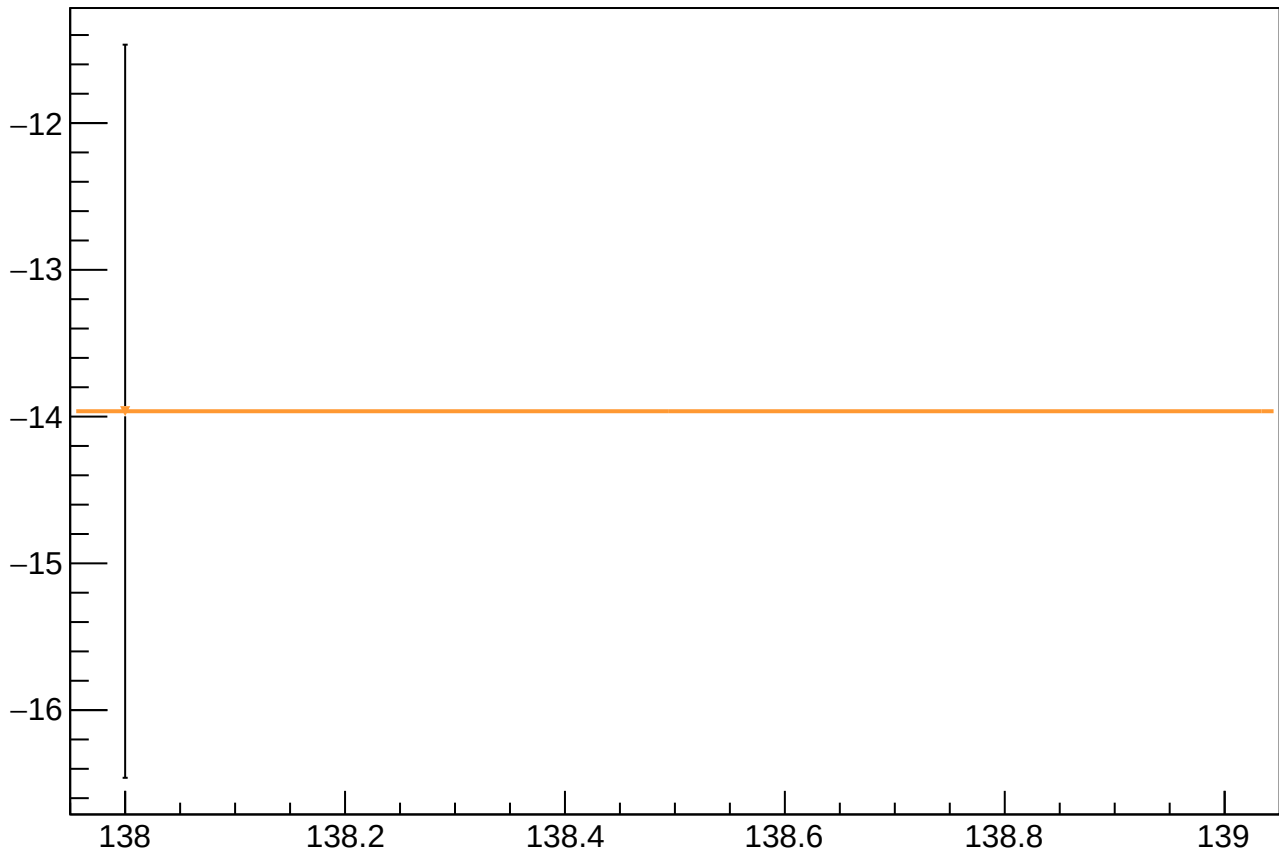
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.098 \pm 0.015$   $\chi^2/\text{NDF}$ : 1084.4/17

All:  $-0.190 \pm 0.012$   $\chi^2/\text{NDF}$ : 2348.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -13.963+/-2.498  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

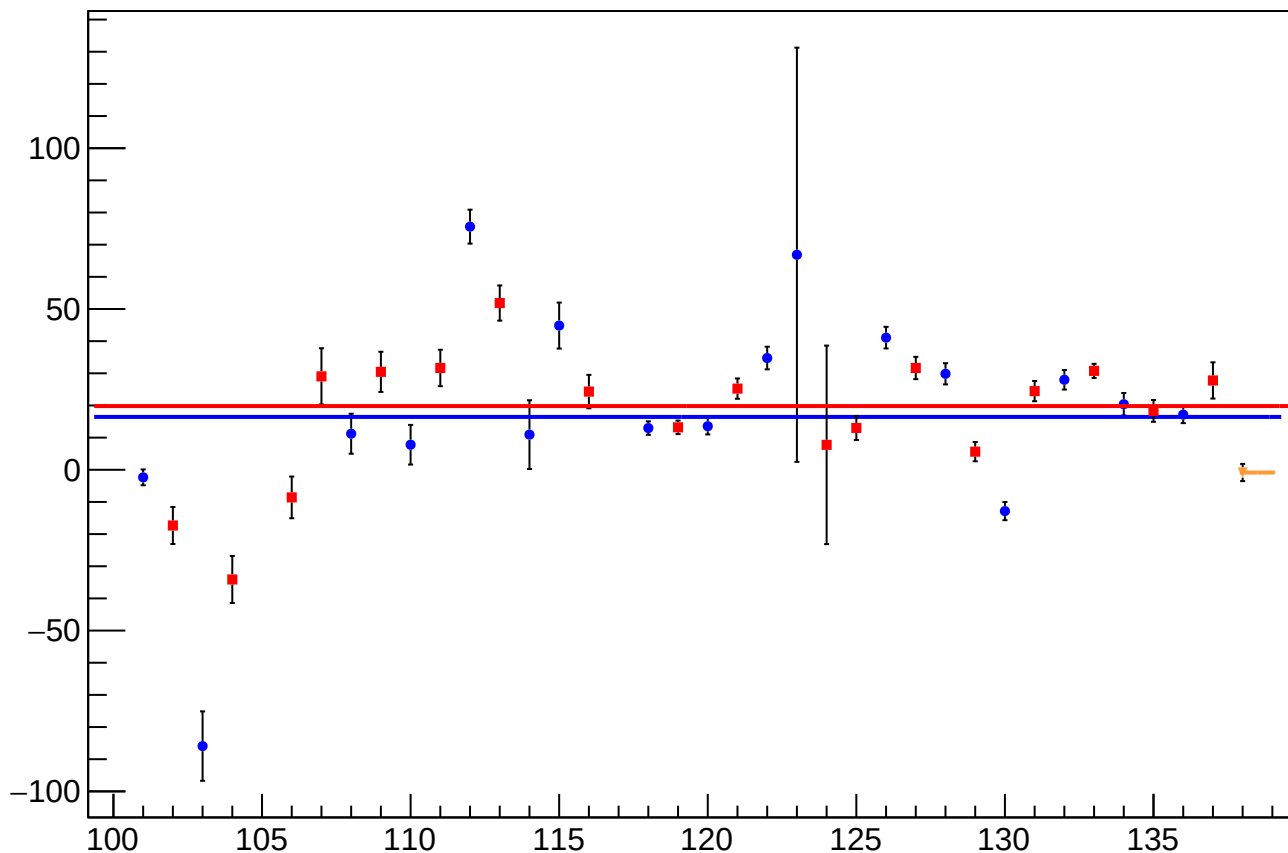
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -13.963+/-2.498  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1\_diff\_bpm4aY\_slope vs Slug



Right In: 16.439+/-0.849  $\chi^2/\text{NDF}$ : 516.9/16

Left Out: -0.854+/-2.672  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 19.813+/-0.899  $\chi^2/\text{NDF}$ : 238.5/17

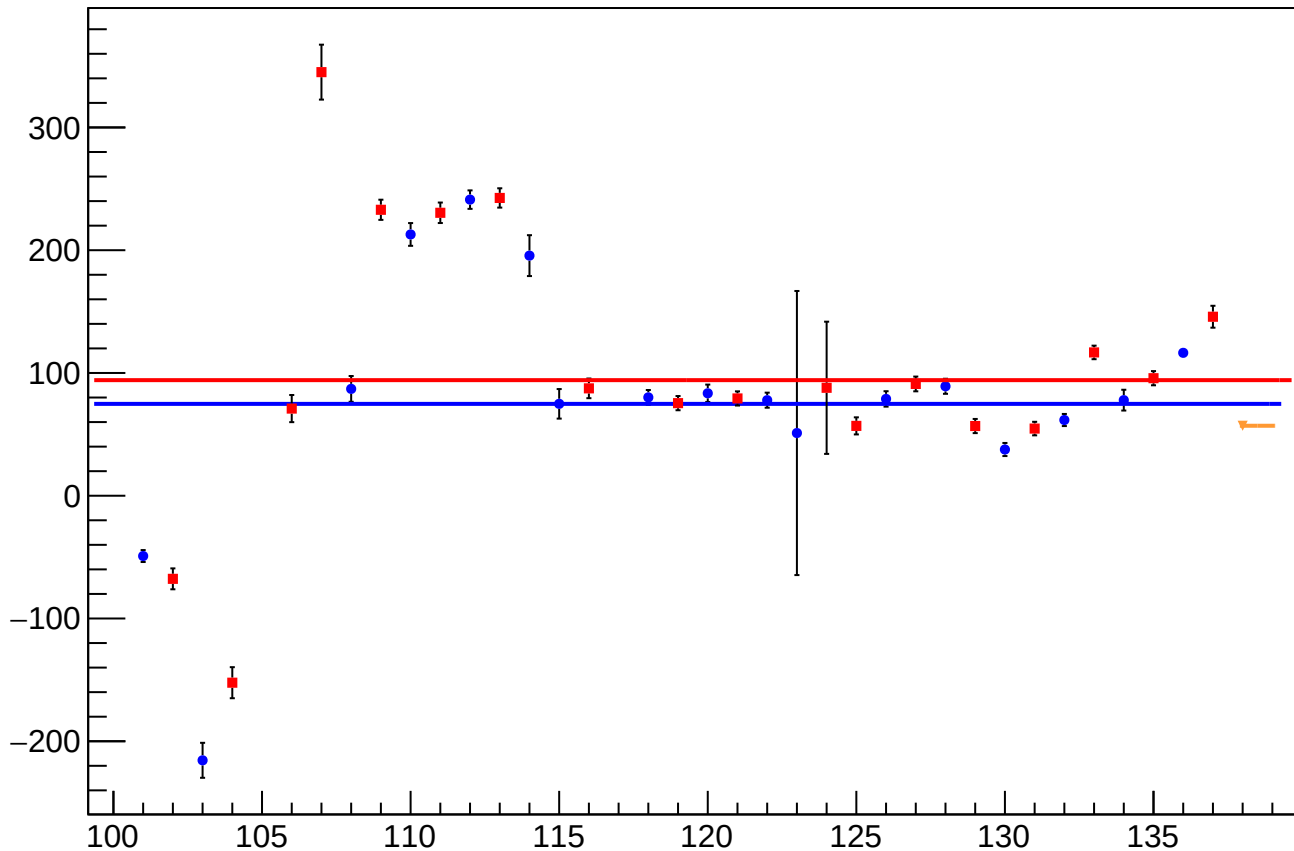
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 14.855+/-0.809  $\chi^2/\text{NDF}$ : 555.0/17

All: 17.072+/-0.601  $\chi^2/\text{NDF}$ : 810.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug



Right In: 74.824+/-1.639  $\chi^2/\text{NDF}$ : 1996.8/16

Left Out: 57.002+/-2.710  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 94.153+/-1.720  $\chi^2/\text{NDF}$ : 1969.2/17

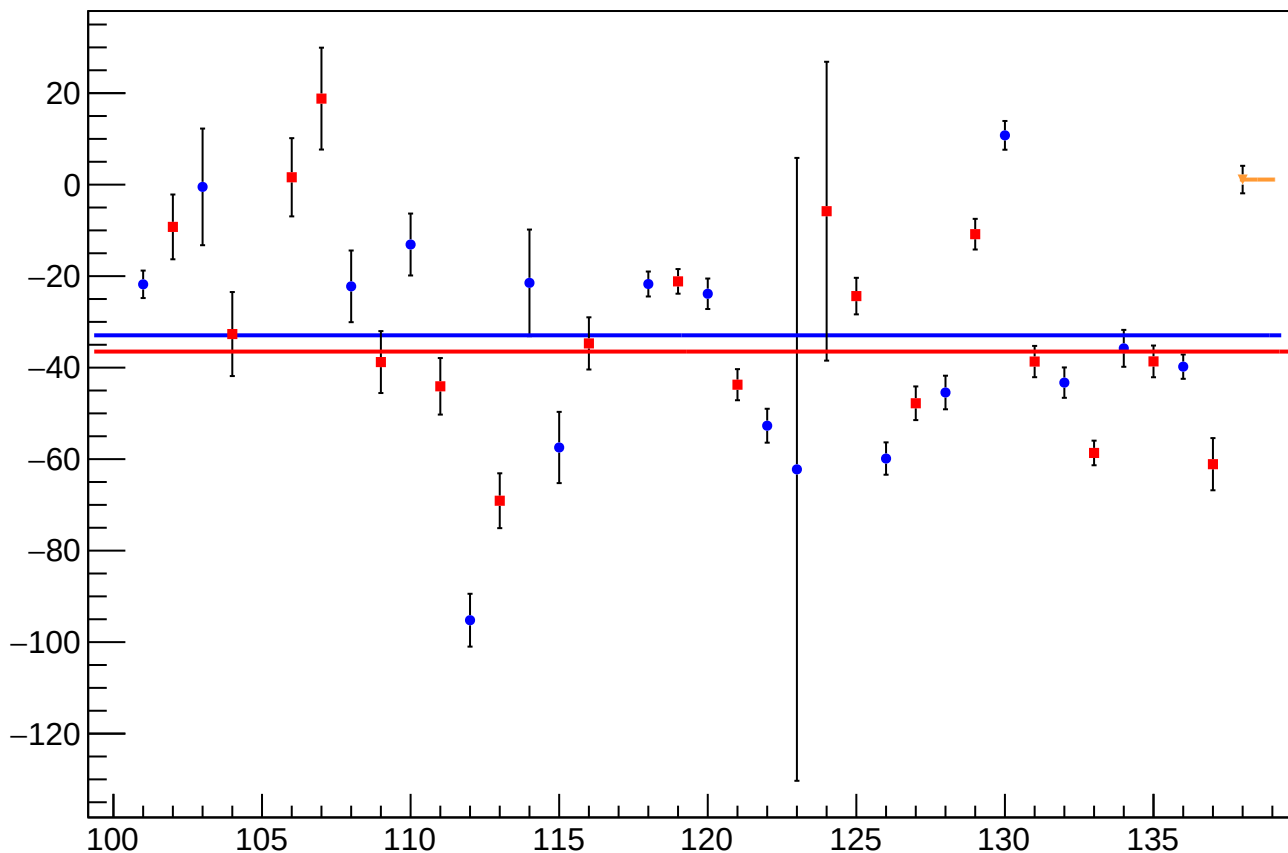
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 70.051+/-1.402  $\chi^2/\text{NDF}$ : 2028.5/17

All: 79.674+/-1.087  $\chi^2/\text{NDF}$ : 4115.6/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug



Right In:  $-32.935 \pm 0.973$   $\chi^2/\text{NDF}$ : 490.7/16

Left Out:  $1.110 \pm 3.007$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-36.488 \pm 1.027$   $\chi^2/\text{NDF}$ : 293.2/17

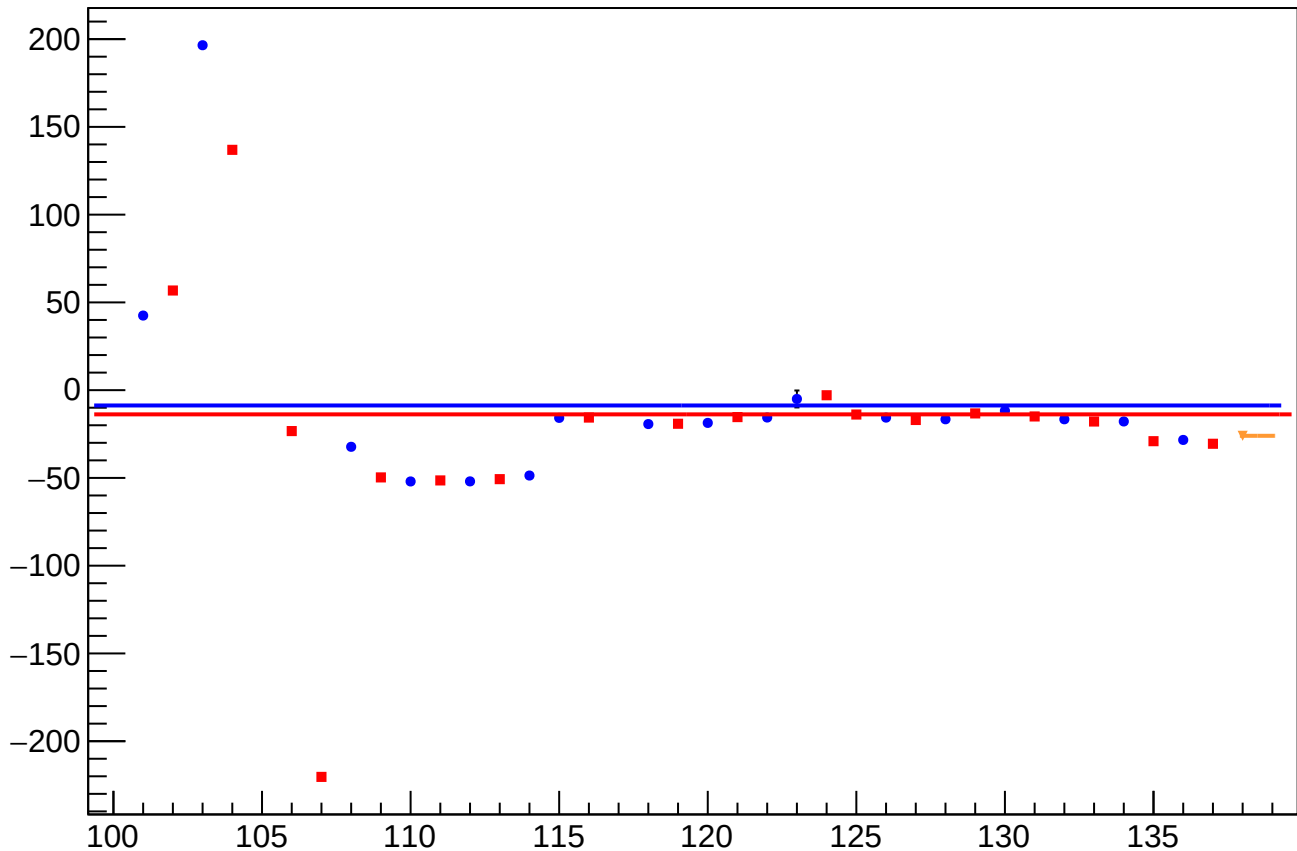
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-29.707 \pm 0.926$   $\chi^2/\text{NDF}$ : 606.7/17

All:  $-32.749 \pm 0.688$   $\chi^2/\text{NDF}$ : 924.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug



Right In:  $-8.723 \pm 0.059$   $\chi^2/\text{NDF}$ : 575838.7/16

Left Out:  $-26.005 \pm 0.105$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-13.791 \pm 0.062$   $\chi^2/\text{NDF}$ : 549380.2/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

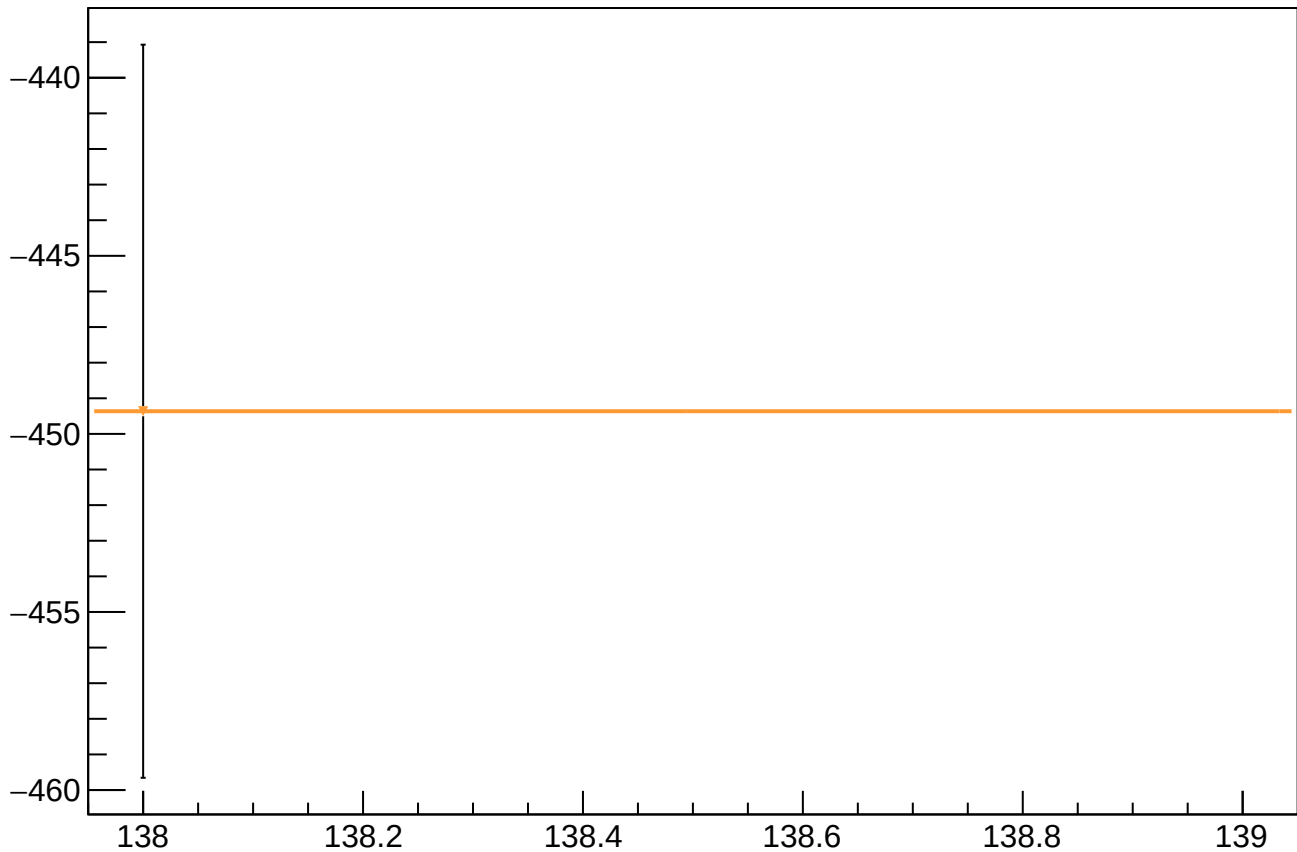
+ sign  $-12.835 \pm 0.051$   $\chi^2/\text{NDF}$ : 596345.3/17

All:  $-13.223 \pm 0.040$   $\chi^2/\text{NDF}$ : 1145866.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl2\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -449.364+/-10.293  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

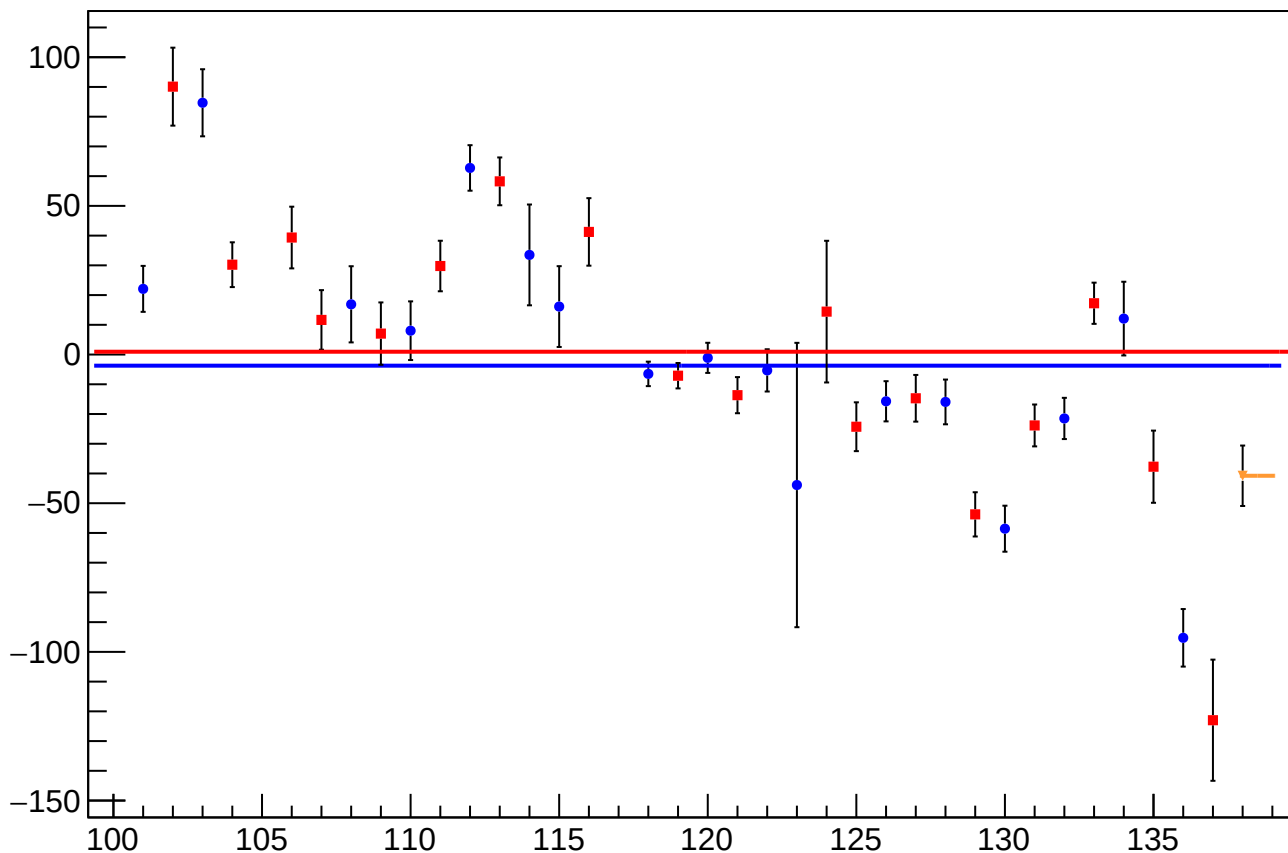
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -449.364+/-10.293  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl2\_diff\_bpm4aY\_slope vs Slug



Right In:  $-3.743 \pm 1.892$   $\chi^2/\text{NDF}$ : 314.1/16

Left Out:  $-40.770 \pm 10.163$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.948 \pm 1.918$   $\chi^2/\text{NDF}$ : 293.7/17

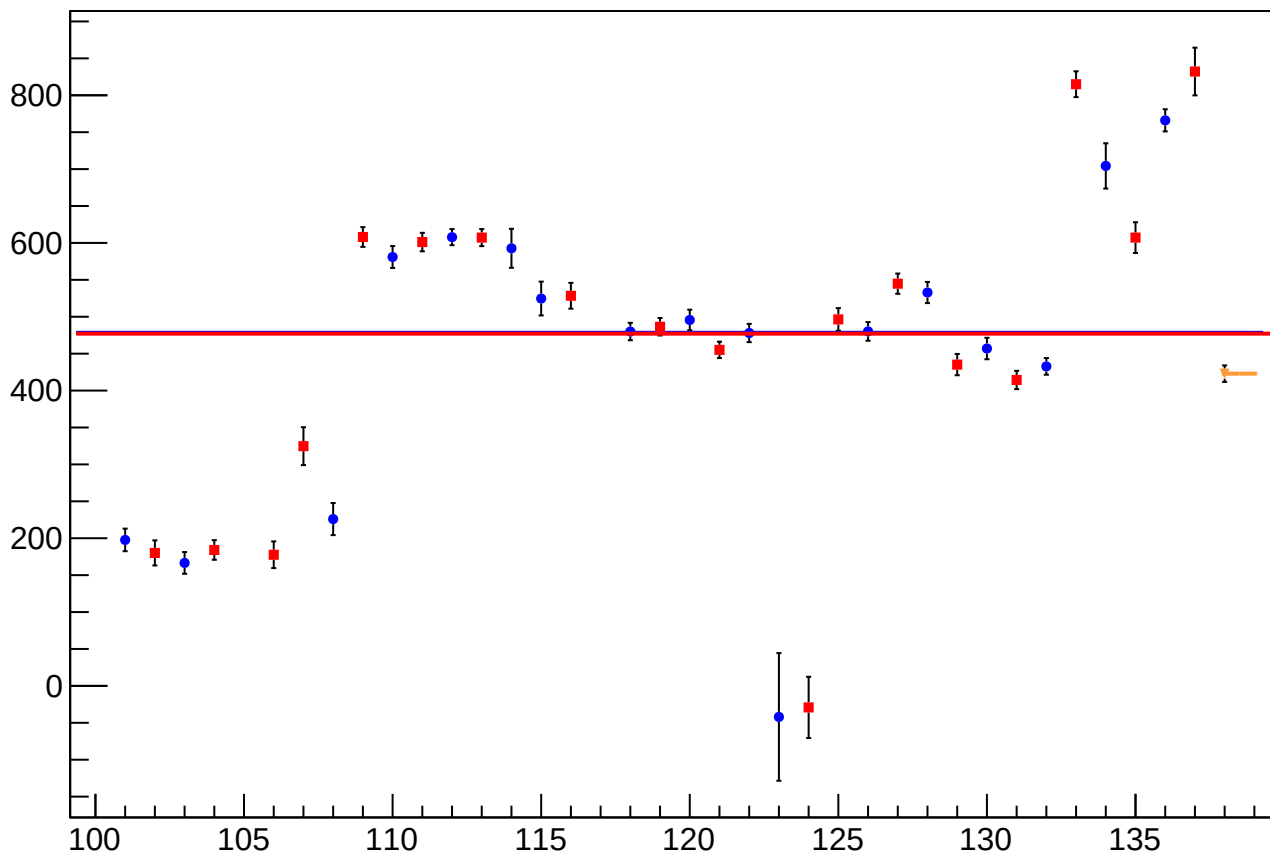
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-4.983 \pm 1.860$   $\chi^2/\text{NDF}$ : 326.9/17

All:  $-2.109 \pm 1.335$   $\chi^2/\text{NDF}$ : 625.5/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl2\_diff\_bpm4eX\_slope vs Slug



Right In: 478.265+/-3.638  $\chi^2/\text{NDF}$ : 1627.9/16

Left Out: 422.918+/-11.157  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 477.101+/-3.541  $\chi^2/\text{NDF}$ : 2175.8/17

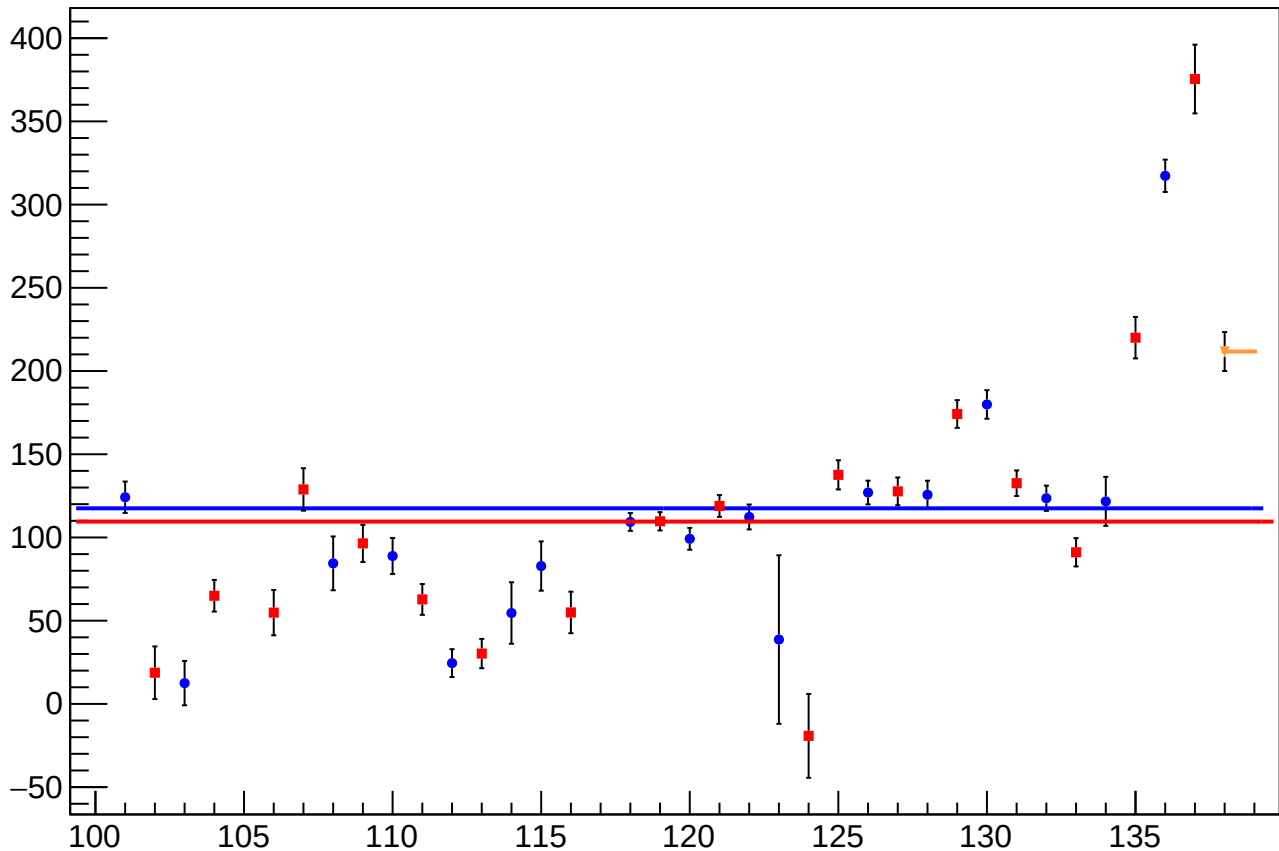
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 472.945+/-3.459  $\chi^2/\text{NDF}$ : 1650.2/17

All: 474.974+/-2.474  $\chi^2/\text{NDF}$ : 3826.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl2\_diff\_bpm4eY\_slope vs Slug



Right In: 117.502 $\pm$ 2.198  $\chi^2$ /NDF: 705.9/16

Left Out: 211.735 $\pm$ 11.699  $\chi^2$ /NDF:0.0/0

Right Out: 109.536 $\pm$ 2.208  $\chi^2$ /NDF: 562.2/17

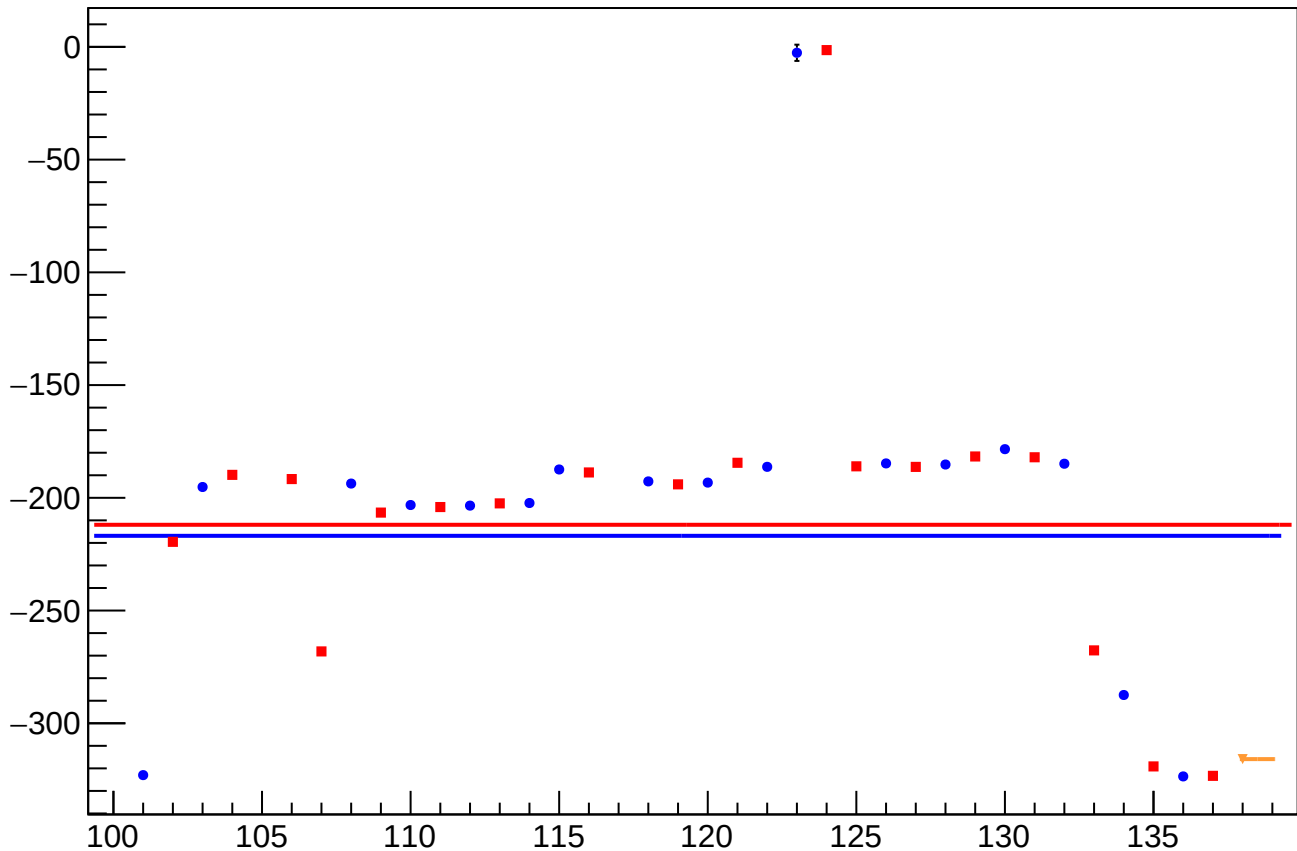
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 120.714 $\pm$ 2.160  $\chi^2$ /NDF: 768.6/17

All: 115.249 $\pm$ 1.544  $\chi^2$ /NDF: 1343.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl2\_diff\_bpm12X\_slope vs Slug



Right In: -216.855+/-0.136  $\chi^2/\text{NDF}$ : 146927.1/16

Left Out: -315.891+/-0.443  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -211.961+/-0.131  $\chi^2/\text{NDF}$ : 112091.8/17

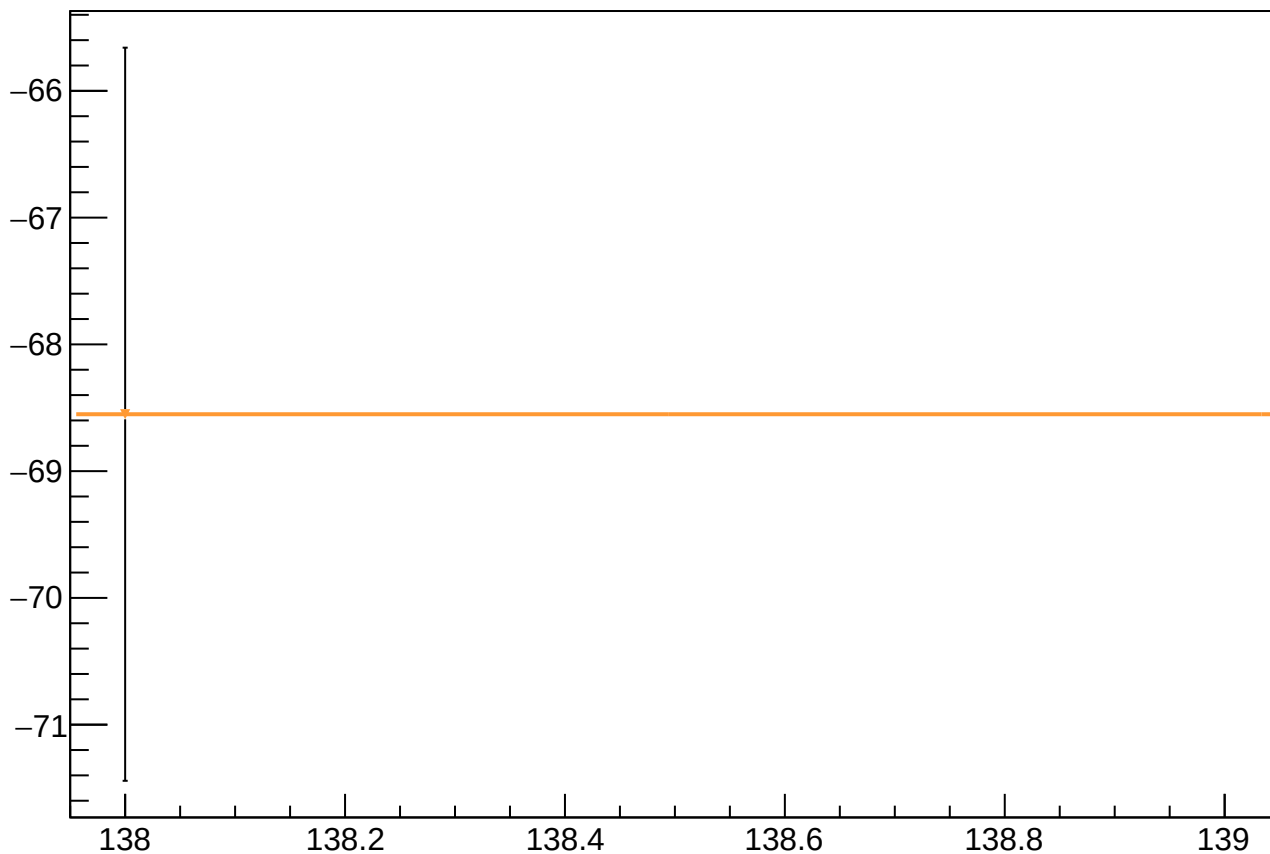
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -225.355+/-0.130  $\chi^2/\text{NDF}$ : 192532.7/17

All: -218.697+/-0.092  $\chi^2/\text{NDF}$ : 309909.6/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -68.551+/-2.892  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

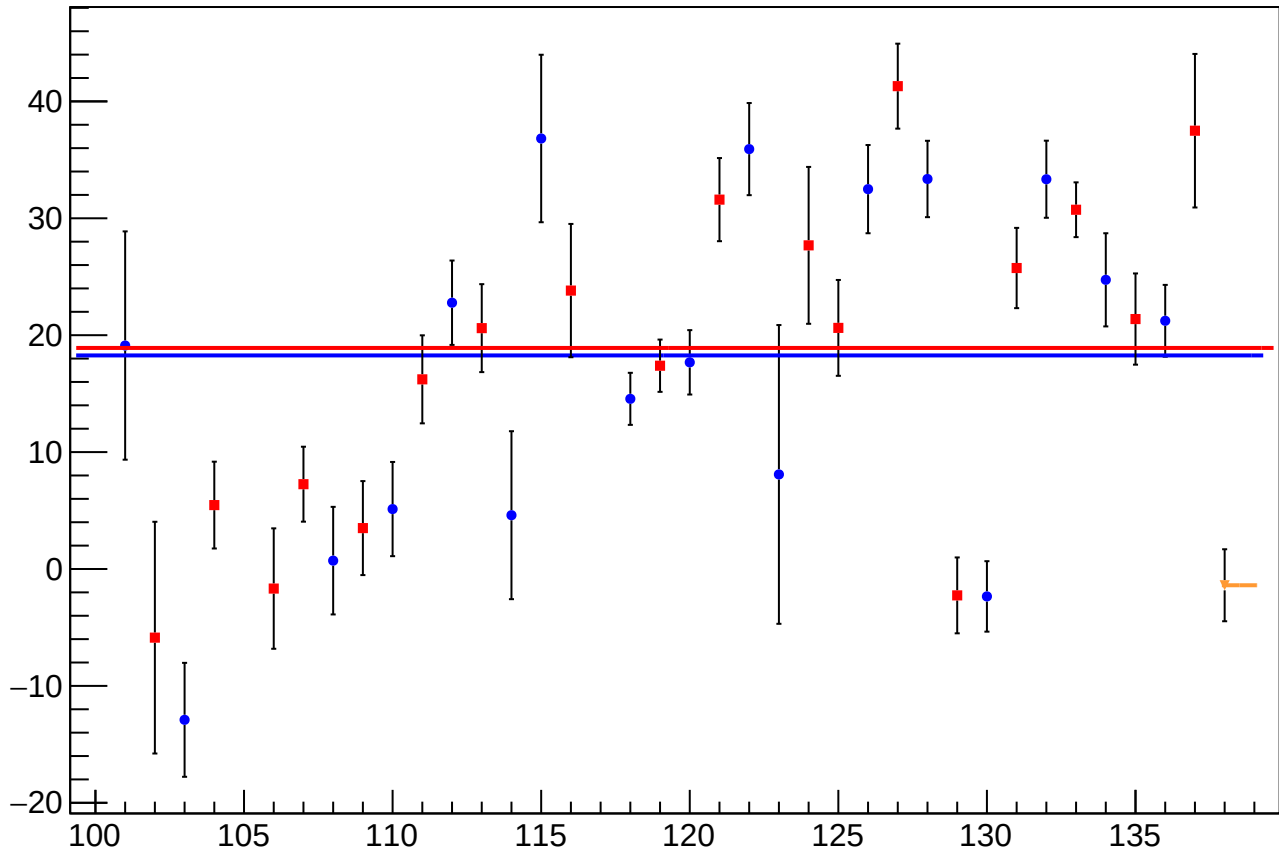
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -68.551+/-2.892  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1\_diff\_bpm4aY\_slope vs Slug



Right In: 18.269 $\pm$ 0.907  $\chi^2$ /NDF: 208.3/16

Left Out: -1.391 $\pm$ 3.079  $\chi^2$ /NDF: 0.0/0

Right Out: 18.909 $\pm$ 0.864  $\chi^2$ /NDF: 198.1/17

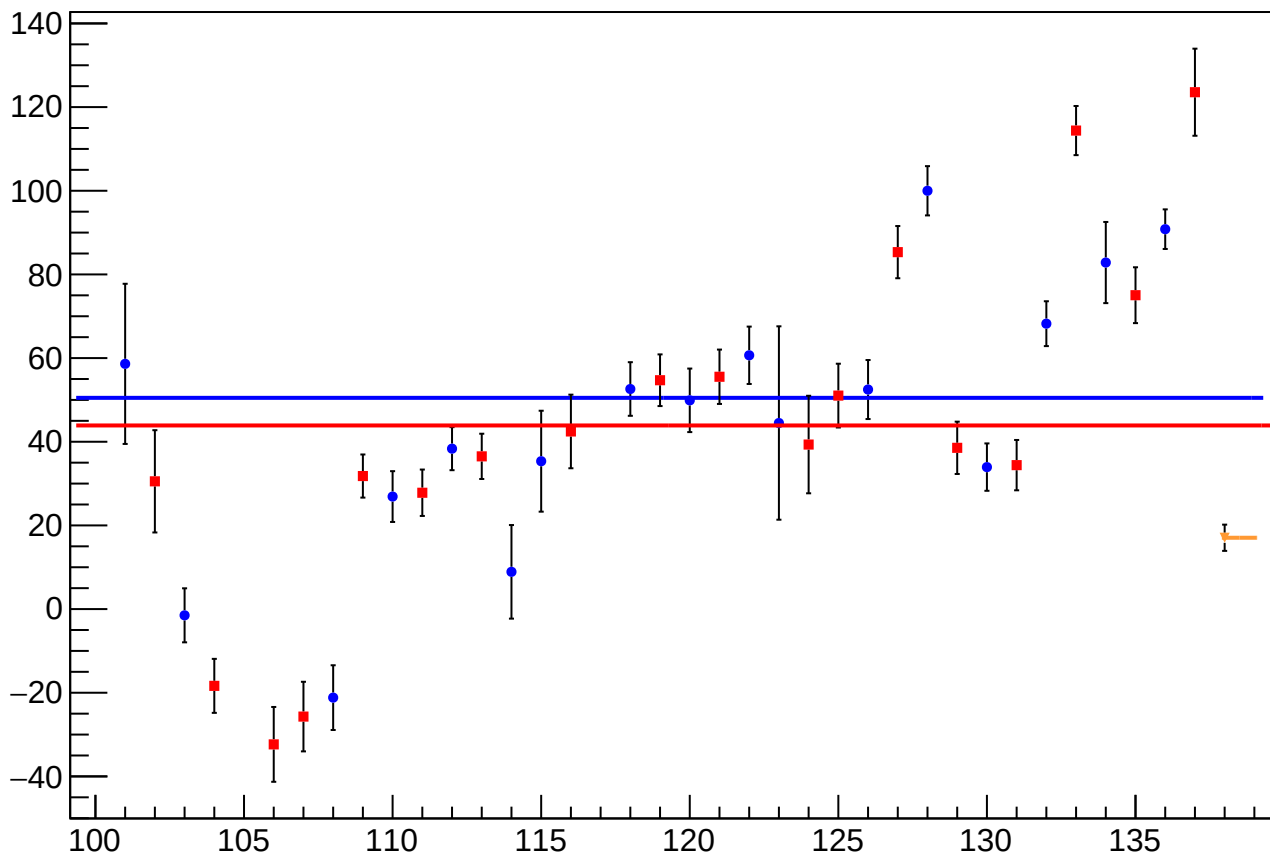
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 16.700 $\pm$ 0.870  $\chi^2$ /NDF: 245.8/17

All: 17.812 $\pm$ 0.613  $\chi^2$ /NDF: 447.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1\_diff\_bpm4eX\_slope vs Slug



Right In: 50.497 $\pm$ 1.671  $\chi^2$ /NDF: 363.2/16

Left Out: 17.050 $\pm$ 3.137  $\chi^2$ /NDF: 0.0/0

Right Out: 43.895 $\pm$ 1.604  $\chi^2$ /NDF: 531.7/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

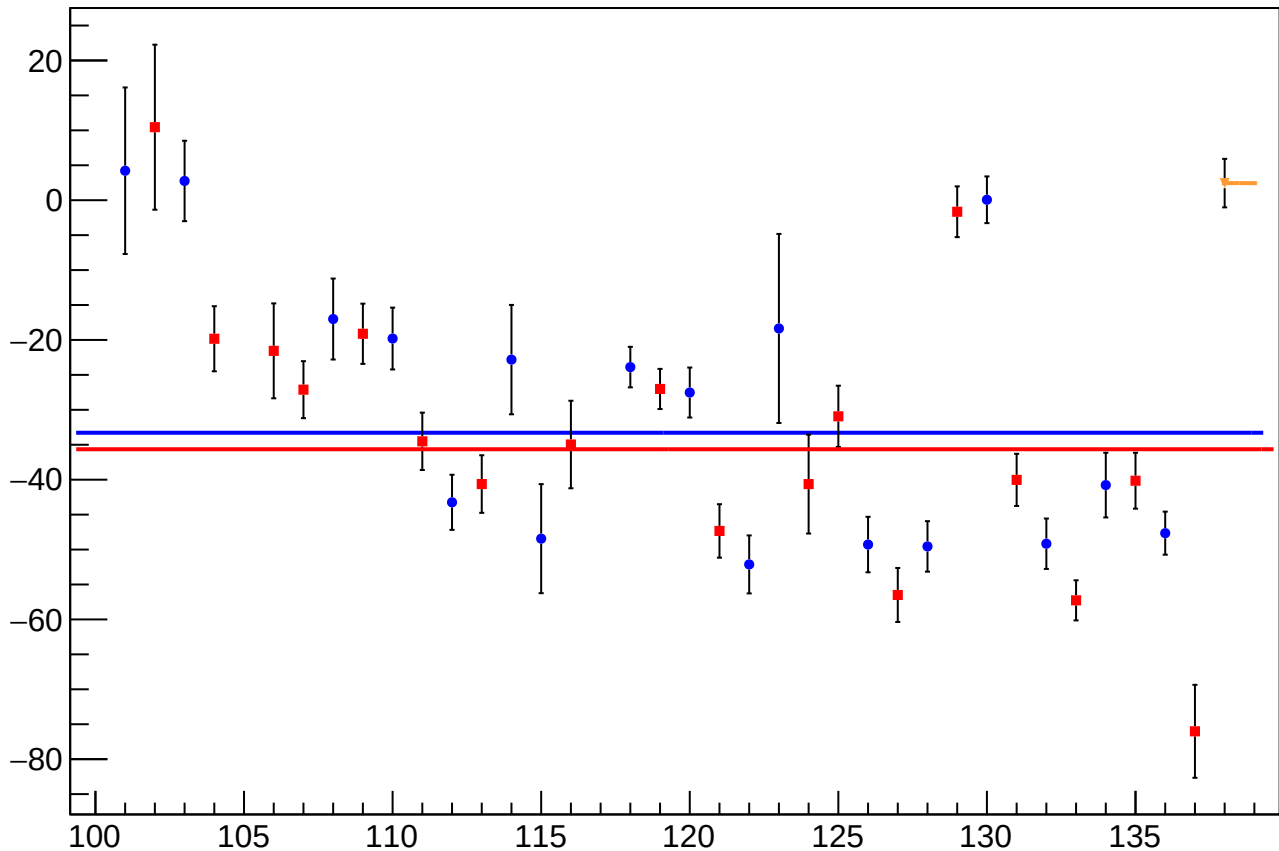
+ sign 43.104 $\pm$ 1.475  $\chi^2$ /NDF: 451.8/17

All: 43.466 $\pm$ 1.085  $\chi^2$ /NDF: 983.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_atr1\_diff\_bpm4eY\_slope vs Slug



Right In:  $-33.281 \pm 1.035$   $\chi^2/\text{NDF}$ : 292.9/16

Left Out:  $2.447 \pm 3.471$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-35.644 \pm 0.993$   $\chi^2/\text{NDF}$ : 284.6/17

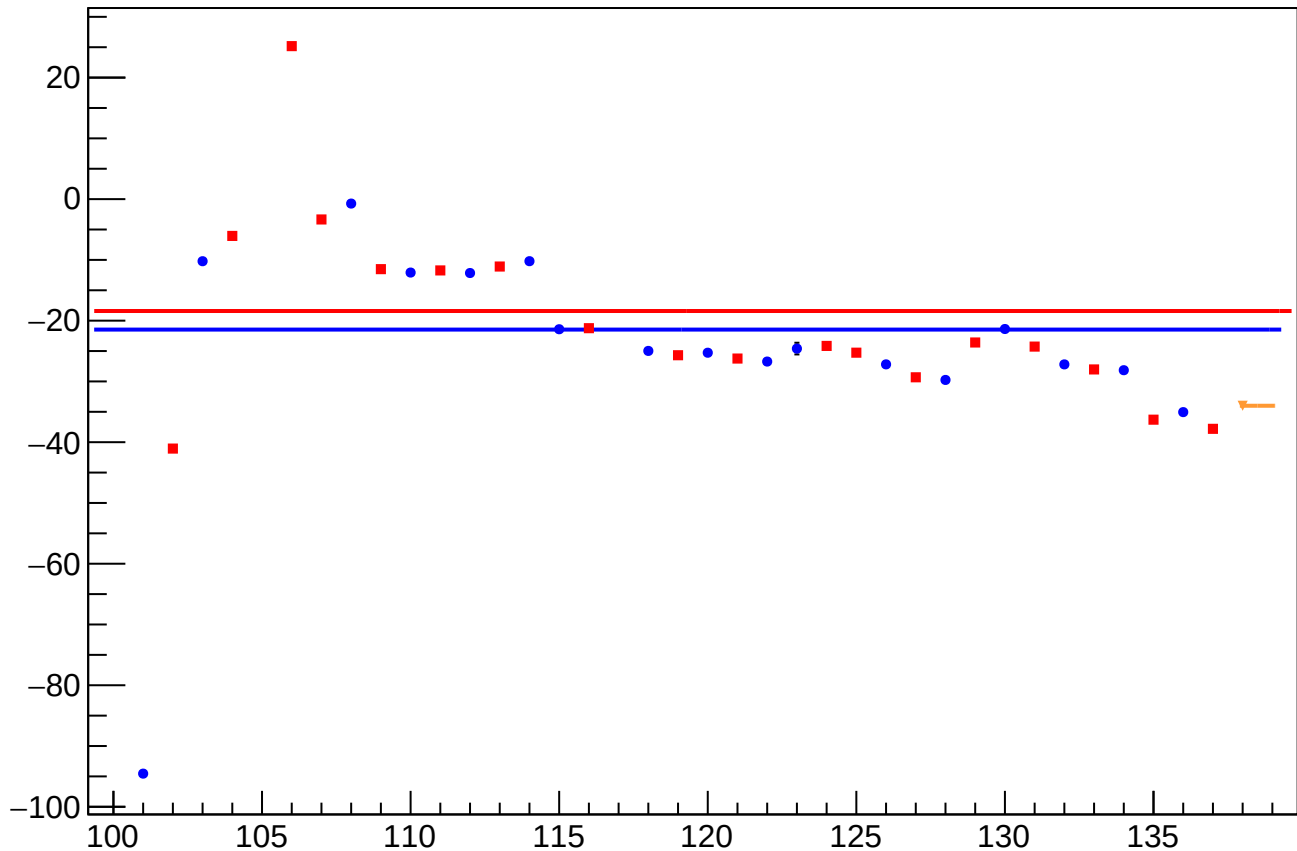
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-30.364 \pm 0.992$   $\chi^2/\text{NDF}$ : 390.2/17

All:  $-33.001 \pm 0.702$   $\chi^2/\text{NDF}$ : 688.9/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug



Right In:  $-21.469 \pm 0.059$   $\chi^2/\text{NDF}: 48979.5/16$

Left Out:  $-34.003 \pm 0.122$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-18.411 \pm 0.057$   $\chi^2/\text{NDF}: 77587.3/17$

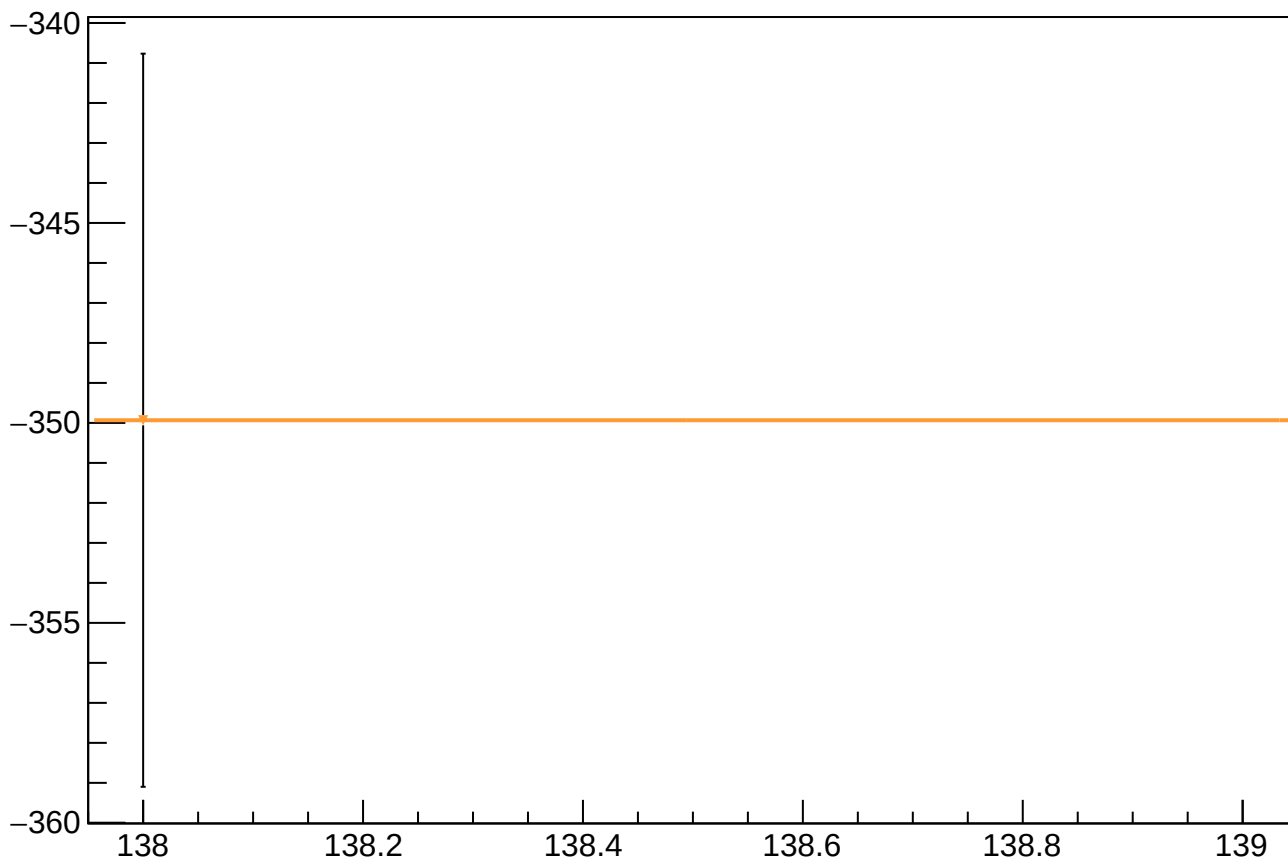
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-23.823 \pm 0.053$   $\chi^2/\text{NDF}: 57531.5/17$

All:  $-21.335 \pm 0.039$   $\chi^2/\text{NDF}: 139924.0/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr2\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -349.933+/-9.166  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

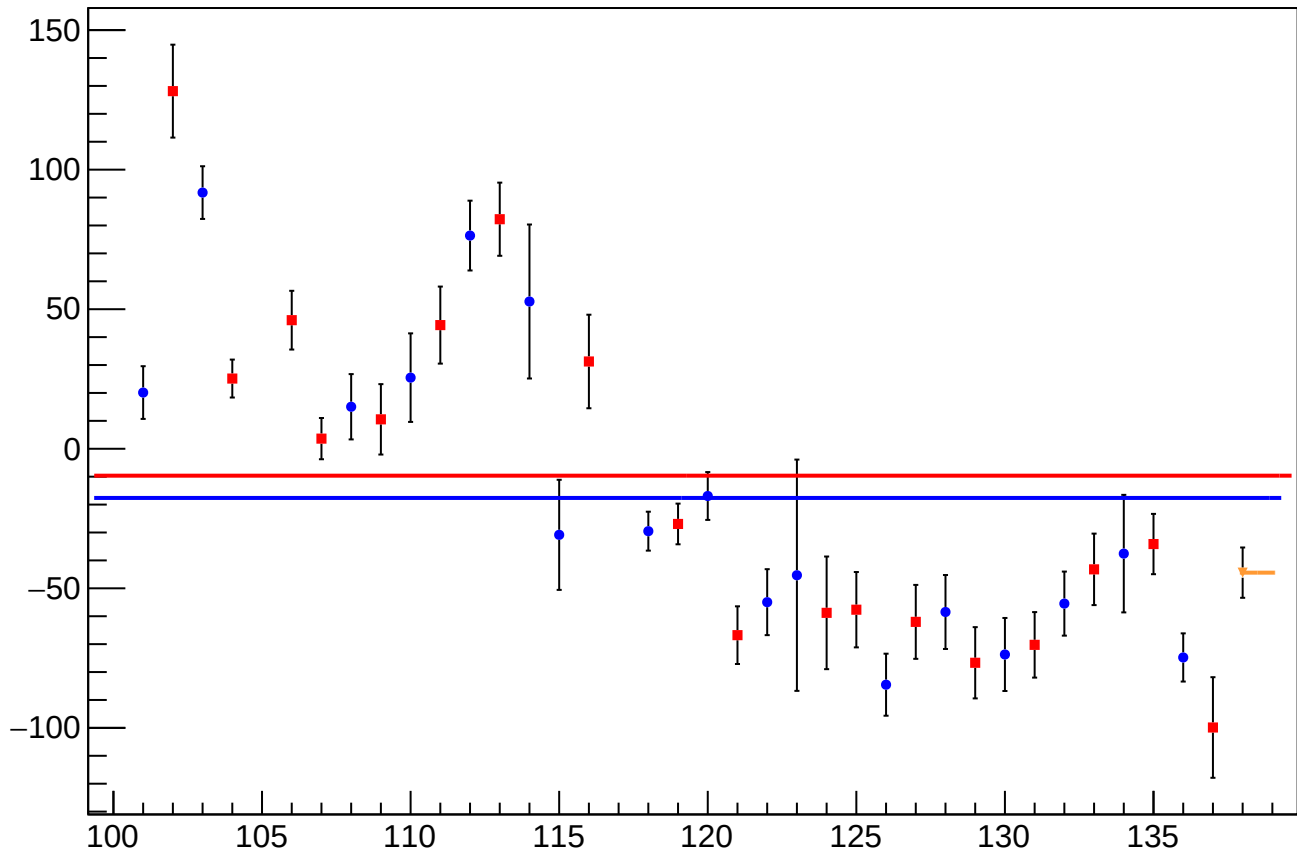
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -349.933+/-9.166  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr2\_diff\_bpm4aY\_slope vs Slug



Right In:  $-17.619 \pm 2.786$   $\chi^2/\text{NDF}: 362.0/16$

Left Out:  $-44.385 \pm 9.013$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-9.641 \pm 2.613$   $\chi^2/\text{NDF}: 360.7/17$

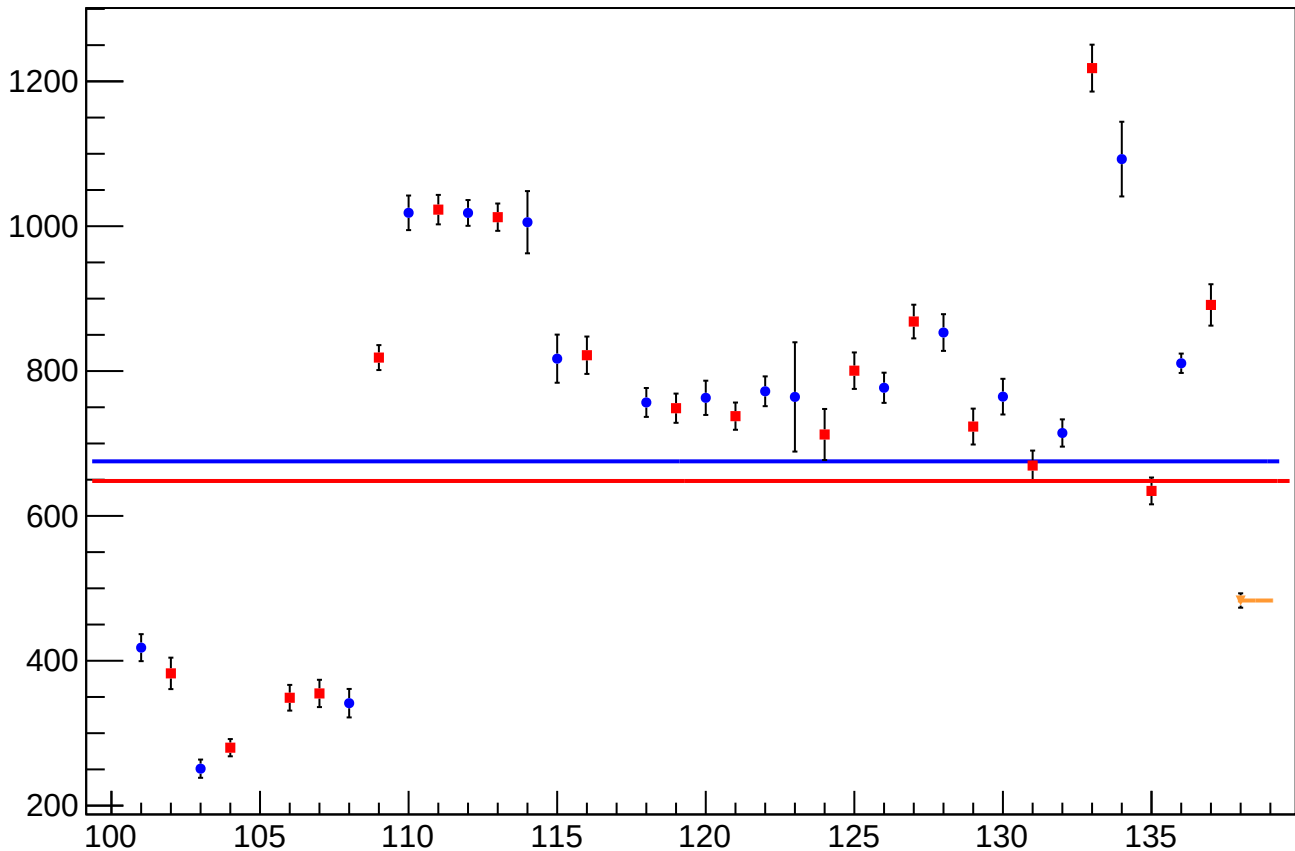
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-19.954 \pm 2.662$   $\chi^2/\text{NDF}: 370.1/17$

All:  $-14.701 \pm 1.865$   $\chi^2/\text{NDF}: 738.4/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr2\_diff\_bpm4eX\_slope vs Slug



Right In: 675.339+/-5.046  $\chi^2/\text{NDF}$ : 2582.7/16

Left Out: 483.194+/-9.935  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 648.229+/-4.775  $\chi^2/\text{NDF}$ : 3059.0/17

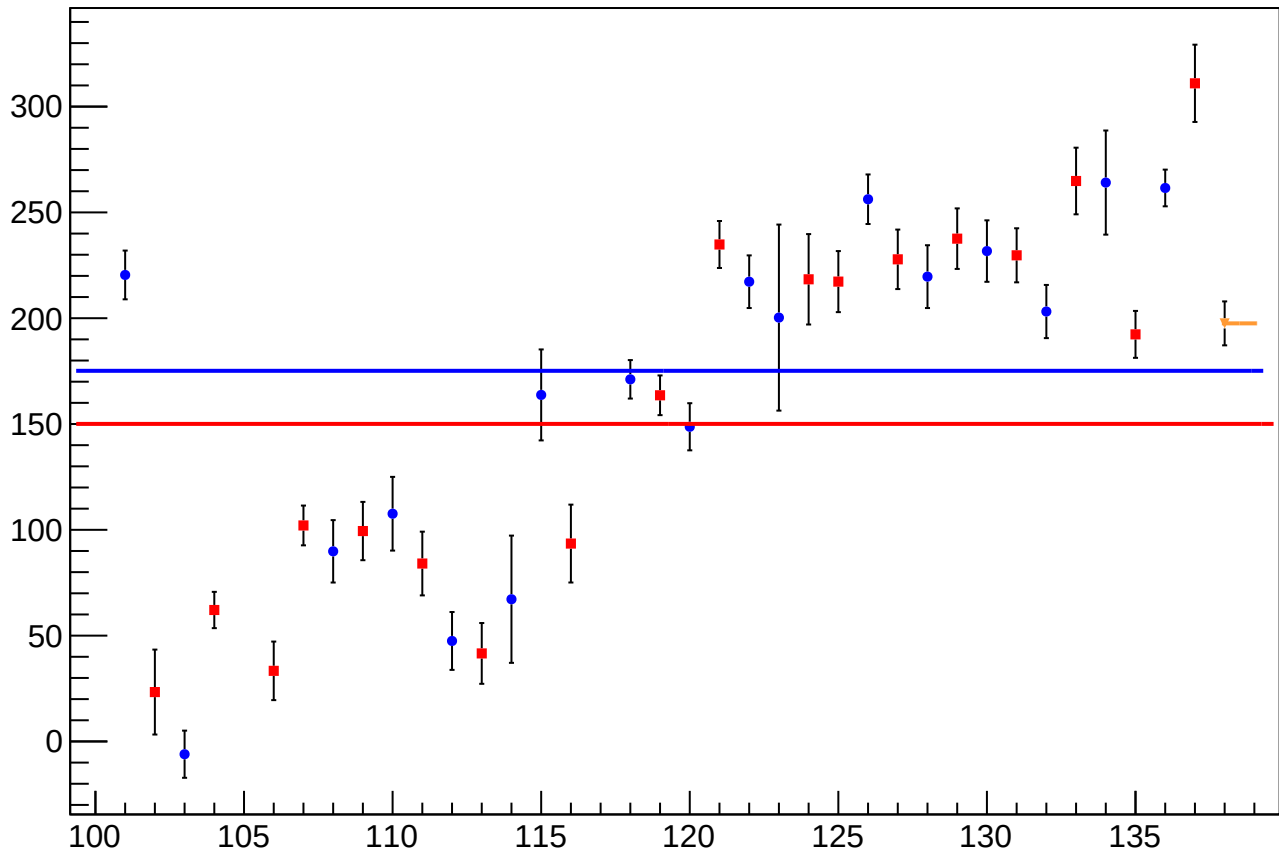
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 635.941+/-4.499  $\chi^2/\text{NDF}$ : 2880.1/17

All: 641.720+/-3.274  $\chi^2/\text{NDF}$ : 5942.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug



Right In: 175.142 $\pm$ 3.209  $\chi^2$ /NDF: 635.6/16

Left Out: 197.562 $\pm$ 10.384  $\chi^2$ /NDF: 0.0/0

Right Out: 150.054 $\pm$ 3.045  $\chi^2$ /NDF: 686.2/17

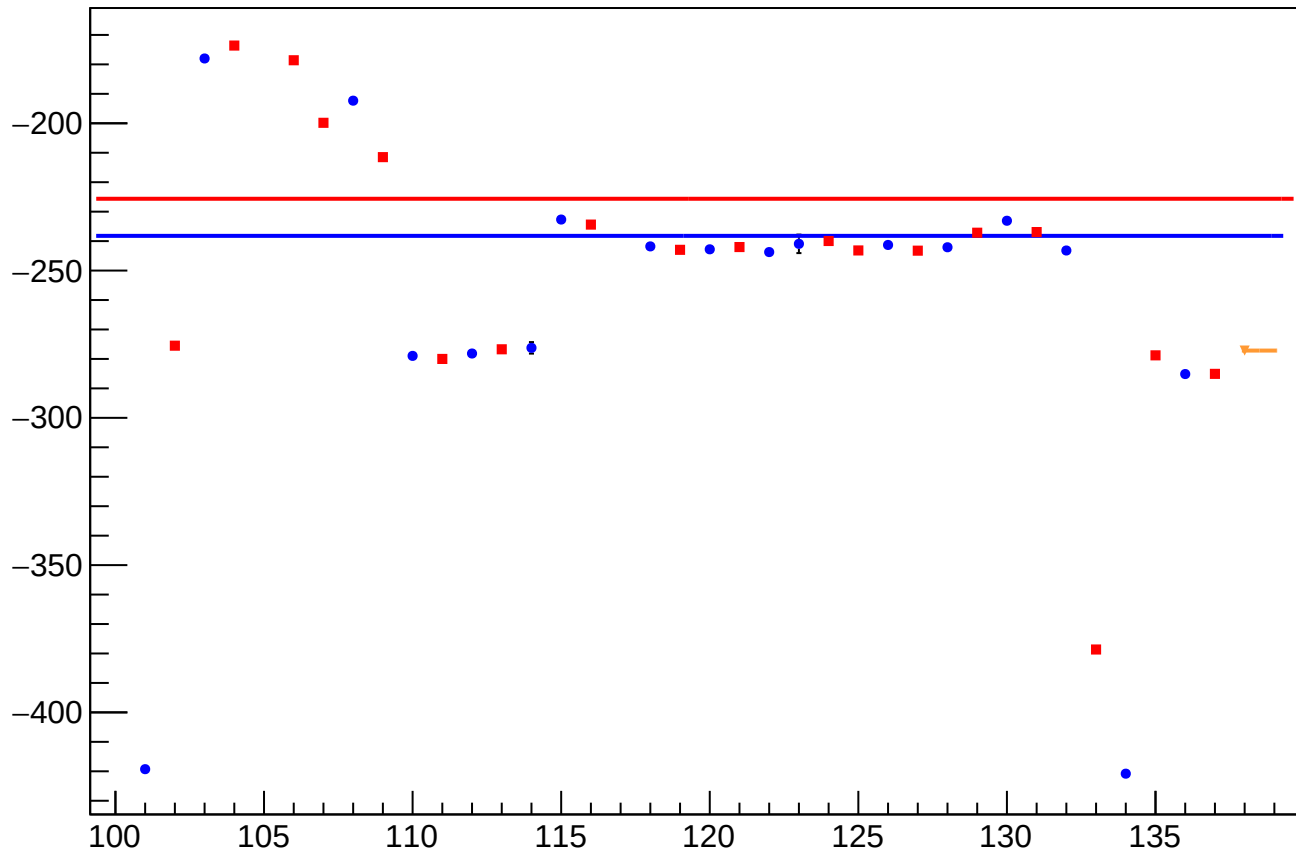
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 177.097 $\pm$ 3.066  $\chi^2$ /NDF: 639.9/17

All: 163.484 $\pm$ 2.161  $\chi^2$ /NDF: 1365.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr2\_diff\_bpm12X\_slope vs Slug



Right In: -238.217 $\pm$ 0.160  $\chi^2$ /NDF: 167098.2/16

Left Out: -277.162 $\pm$ 0.395  $\chi^2$ /NDF: 0.0/0

Right Out: -225.623 $\pm$ 0.152  $\chi^2$ /NDF: 95450.2/17

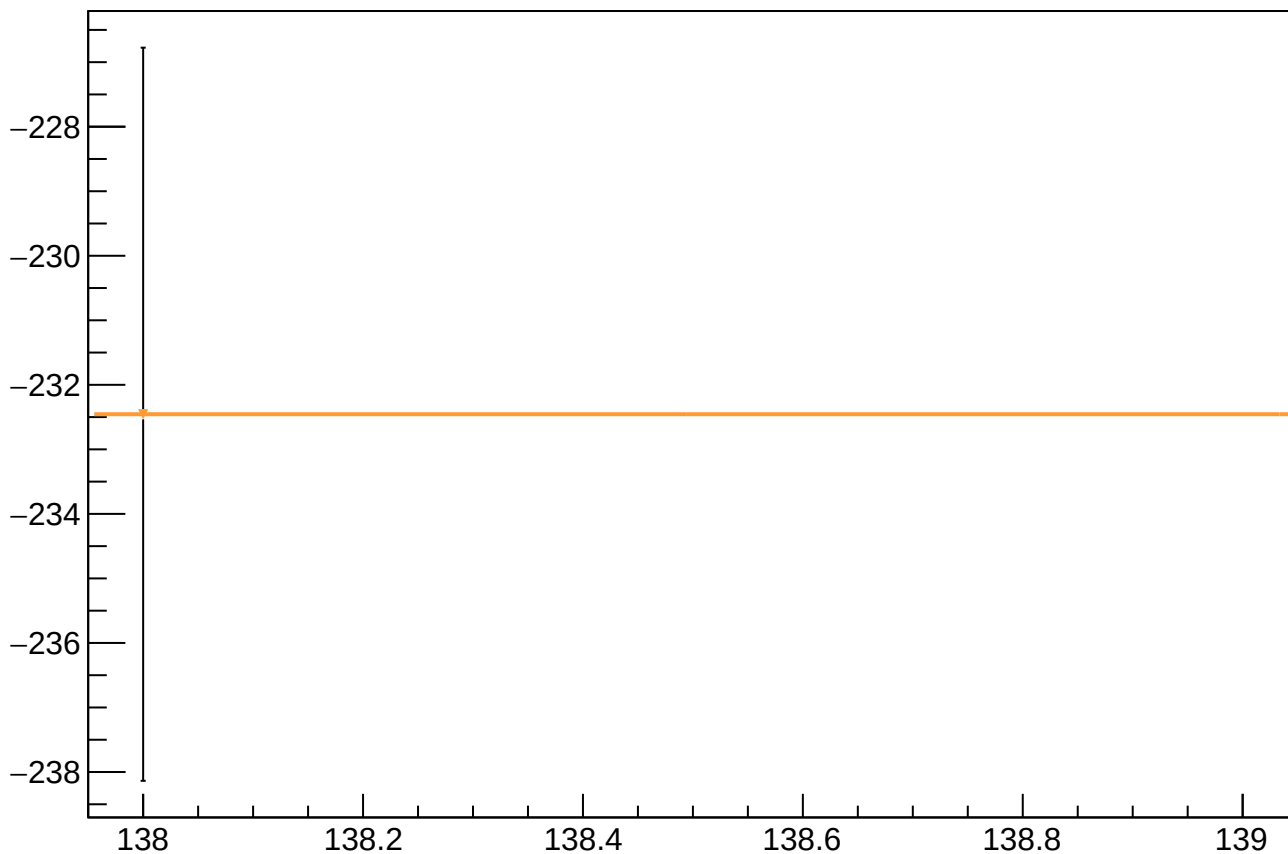
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -243.701 $\pm$ 0.148  $\chi^2$ /NDF: 175435.8/17

All: -234.856 $\pm$ 0.106  $\chi^2$ /NDF: 278151.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -232.456+/-5.680  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

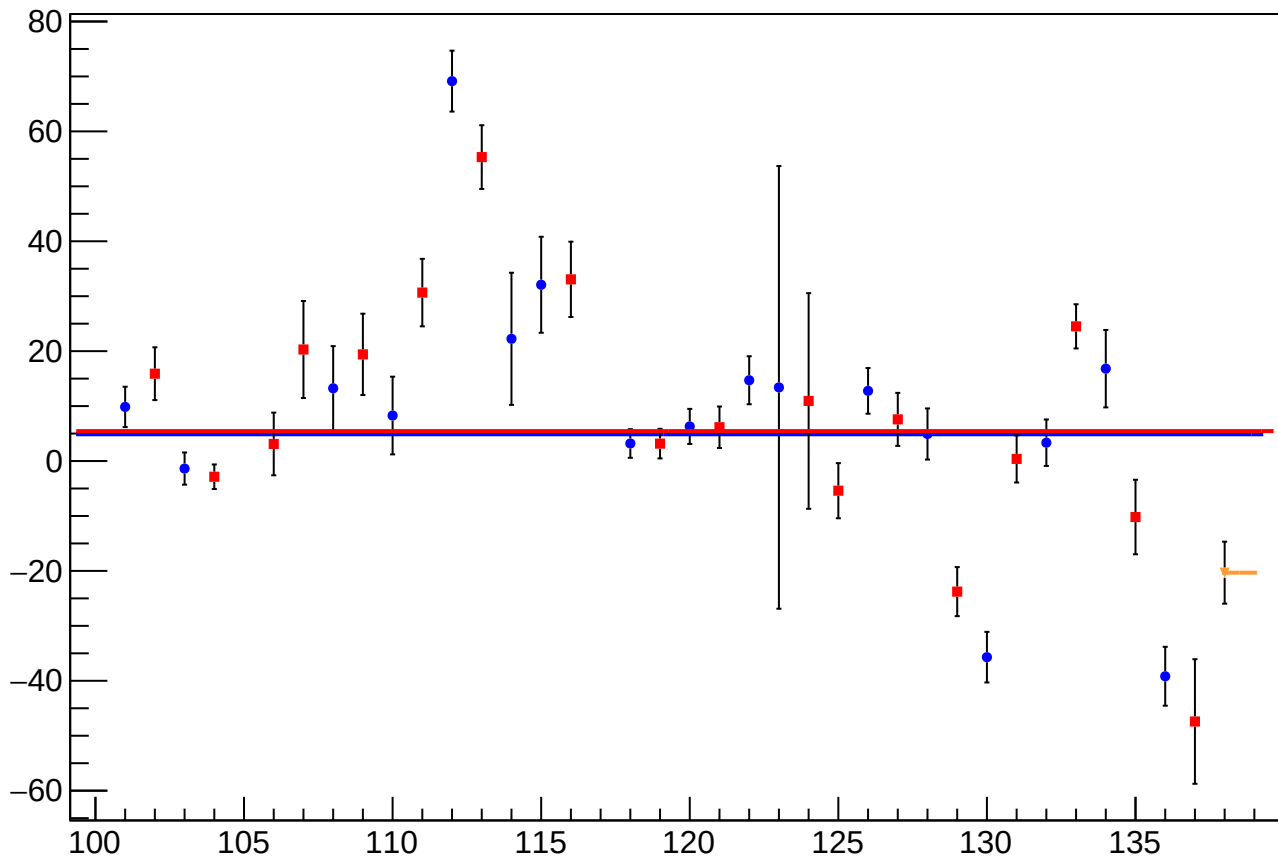
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -232.456+/-5.680  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 4.870+/-1.091  $\chi^2/\text{NDF}$ : 311.5/16

Left Out: -20.320+/-5.641  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.450+/-1.071  $\chi^2/\text{NDF}$ : 231.5/17

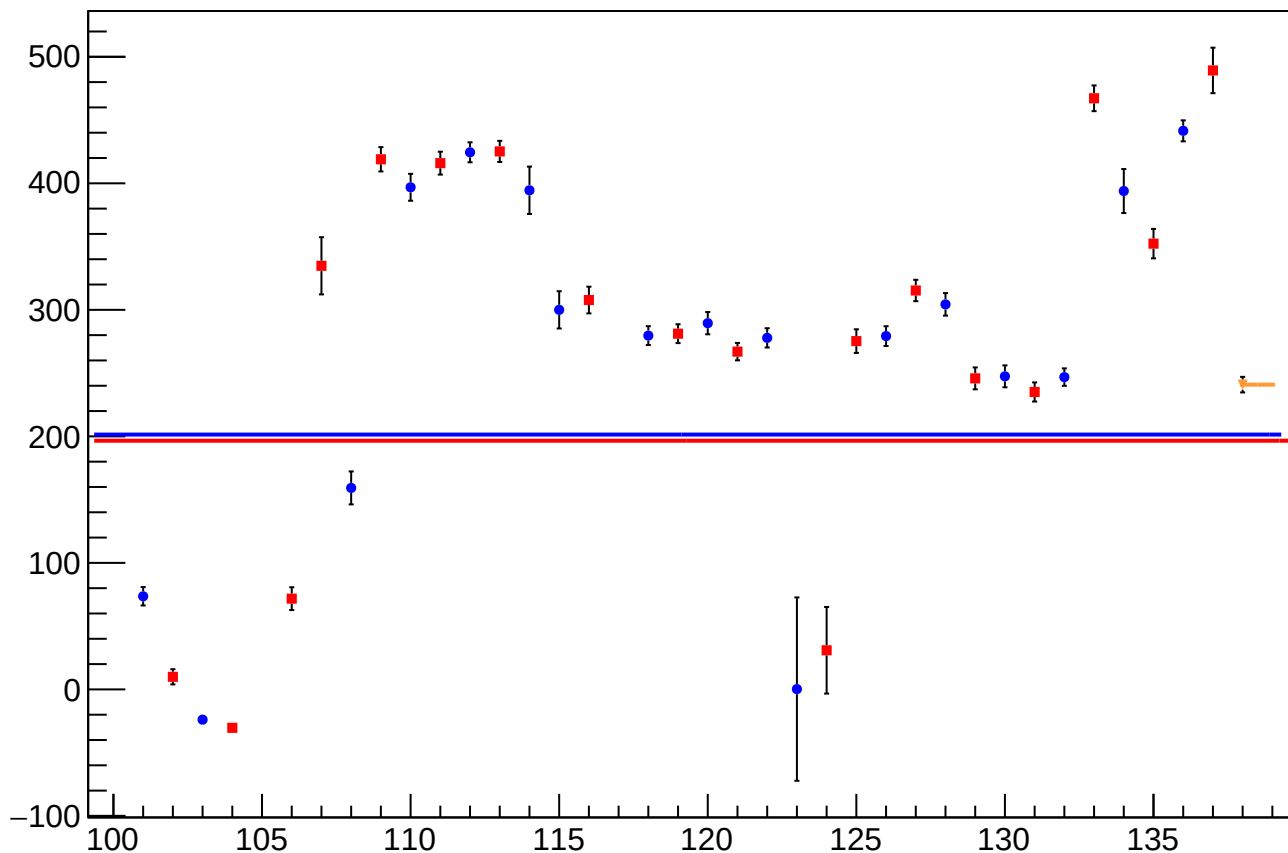
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 3.962+/-1.071  $\chi^2/\text{NDF}$ : 330.8/17

All: 4.706+/-0.757  $\chi^2/\text{NDF}$ : 563.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 201.407 $\pm$ 1.974  $\chi^2$ /NDF: 6740.4/16

Left Out: 240.873 $\pm$ 6.158  $\chi^2$ /NDF: 0.0/0

Right Out: 196.565 $\pm$ 1.931  $\chi^2$ /NDF: 8178.1/17

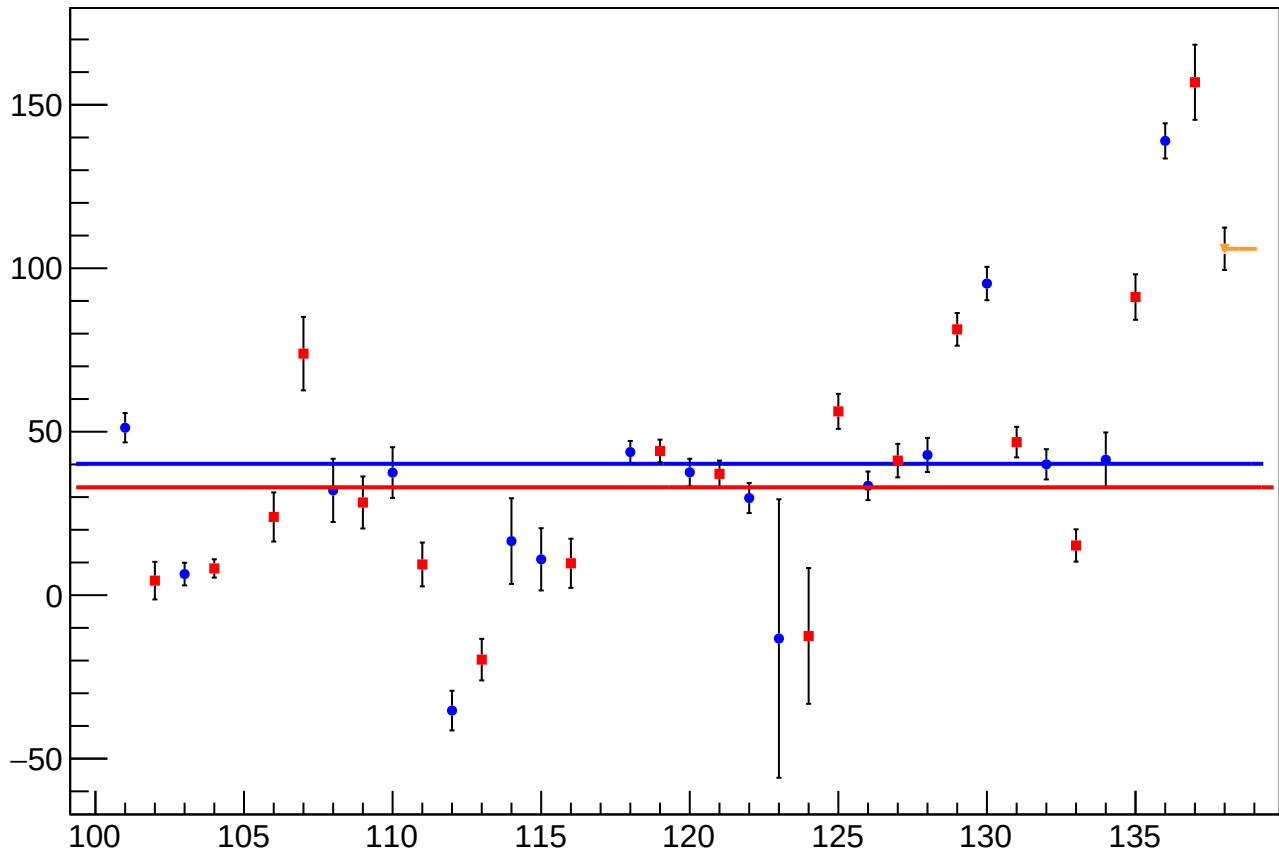
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 205.083 $\pm$ 1.879  $\chi^2$ /NDF: 6777.7/17

All: 200.940 $\pm$ 1.347  $\chi^2$ /NDF: 14965.7/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 40.183+/-1.270  $\chi^2/\text{NDF}$ : 734.0/16

Left Out: 105.948+/-6.484  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 33.009+/-1.253  $\chi^2/\text{NDF}$ : 547.2/17

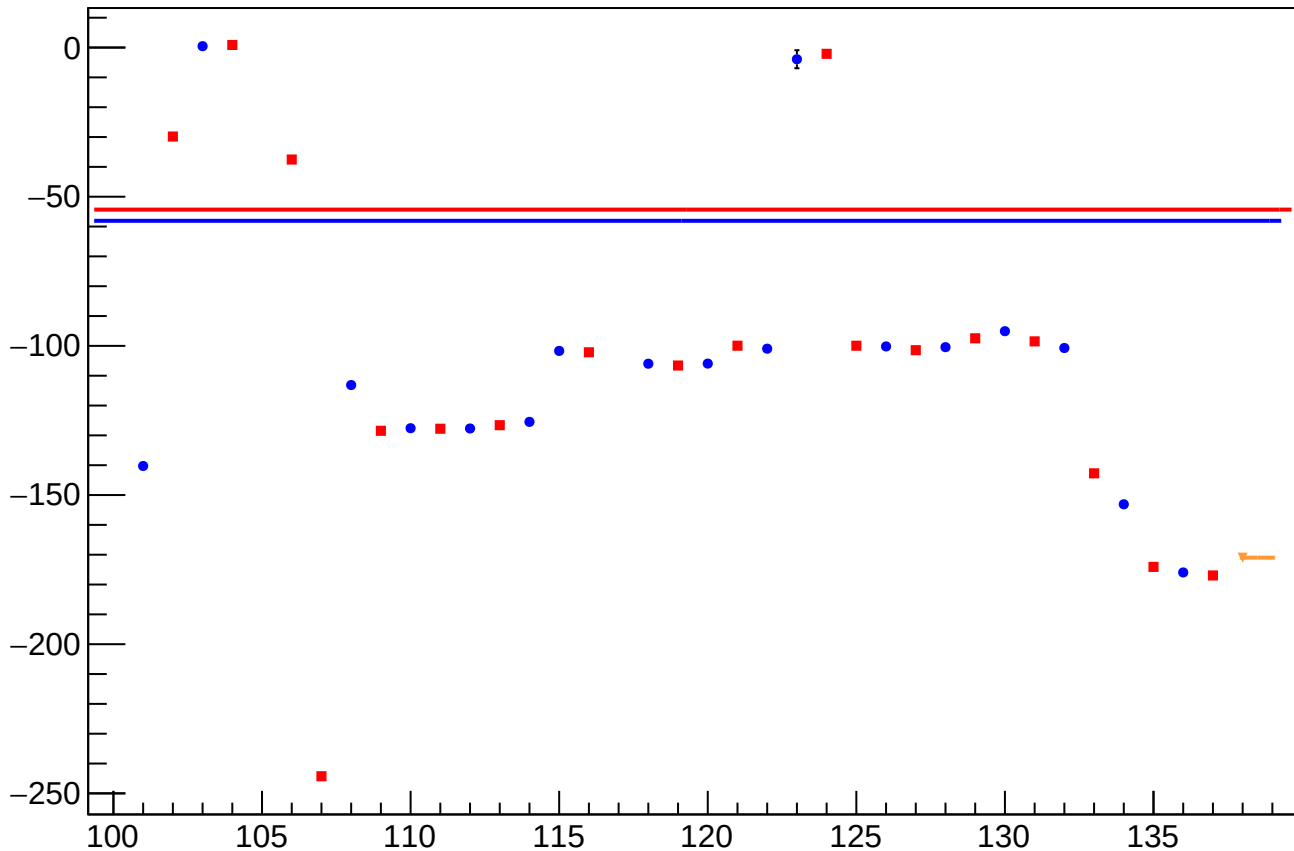
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 42.612+/-1.246  $\chi^2/\text{NDF}$ : 833.1/17

All: 37.836+/-0.884  $\chi^2/\text{NDF}$ : 1409.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-58.077 \pm 0.062$   $\chi^2/\text{NDF}: 1104437.7/16$

Left Out:  $-170.990 \pm 0.244$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-54.323 \pm 0.060$   $\chi^2/\text{NDF}: 991053.6/17$

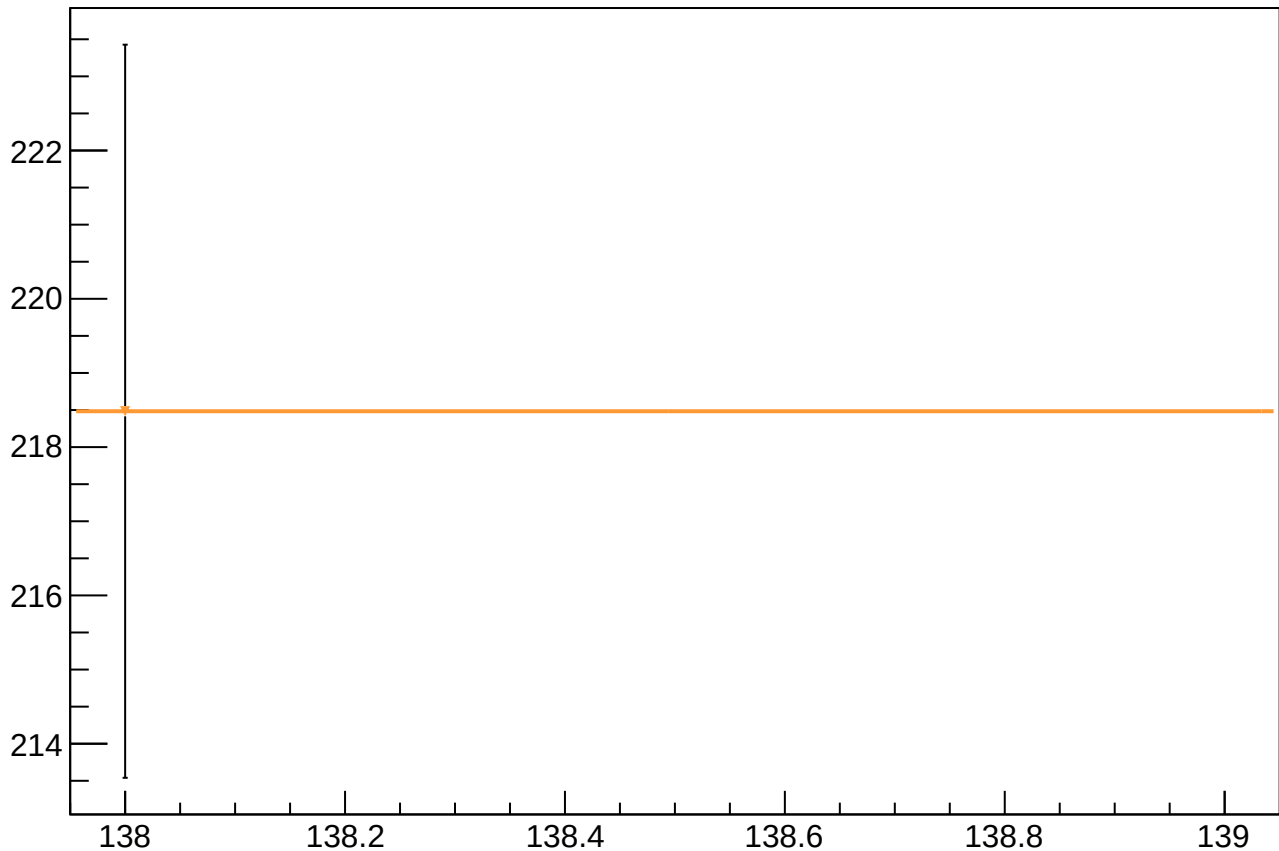
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-64.839 \pm 0.060$   $\chi^2/\text{NDF}: 1305534.3/17$

All:  $-59.642 \pm 0.042$   $\chi^2/\text{NDF}: 2311899.5/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 218.484+/-4.943  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

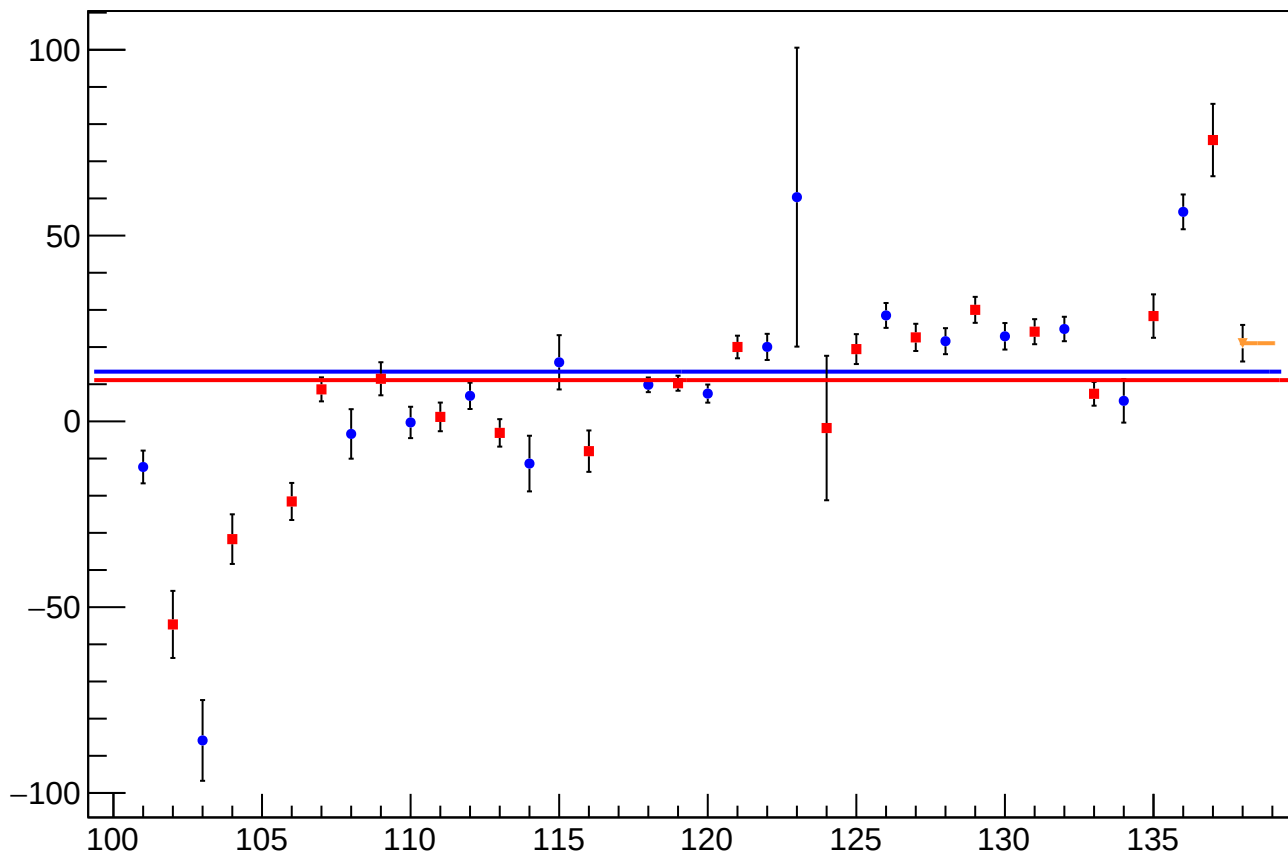
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 218.484+/-4.943  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 13.385 $\pm$ 0.921  $\chi^2$ /NDF: 294.1/16

Left Out: 21.037 $\pm$ 4.923  $\chi^2$ /NDF:0.0/0

Right Out: 11.101 $\pm$ 0.915  $\chi^2$ /NDF: 292.2/17

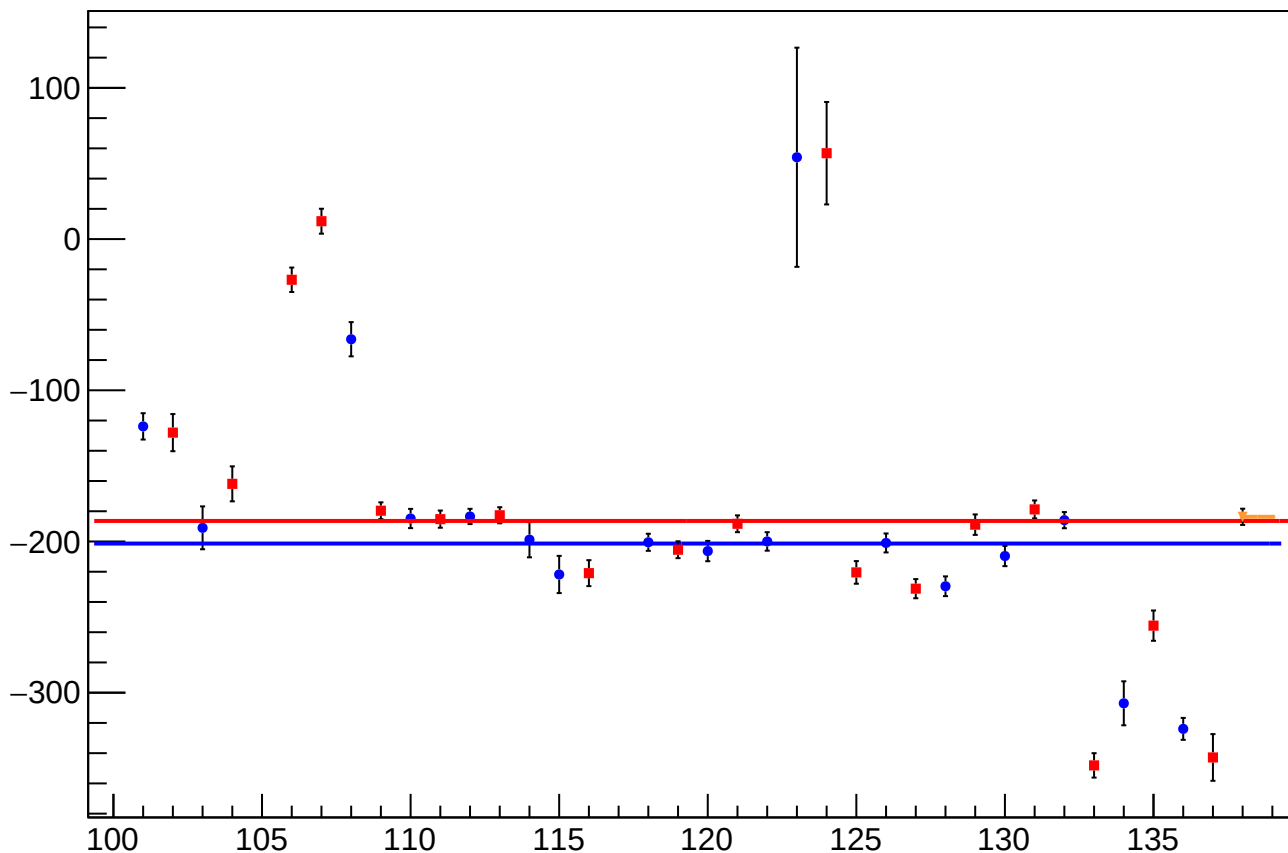
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 13.644 $\pm$ 0.905  $\chi^2$ /NDF: 296.4/17

All: 12.386 $\pm$ 0.644  $\chi^2$ /NDF: 592.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-201.367 \pm 1.784$   $\chi^2/\text{NDF}$ : 625.0/16

Left Out:  $-183.674 \pm 5.359$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-186.409 \pm 1.703$   $\chi^2/\text{NDF}$ : 1699.5/17

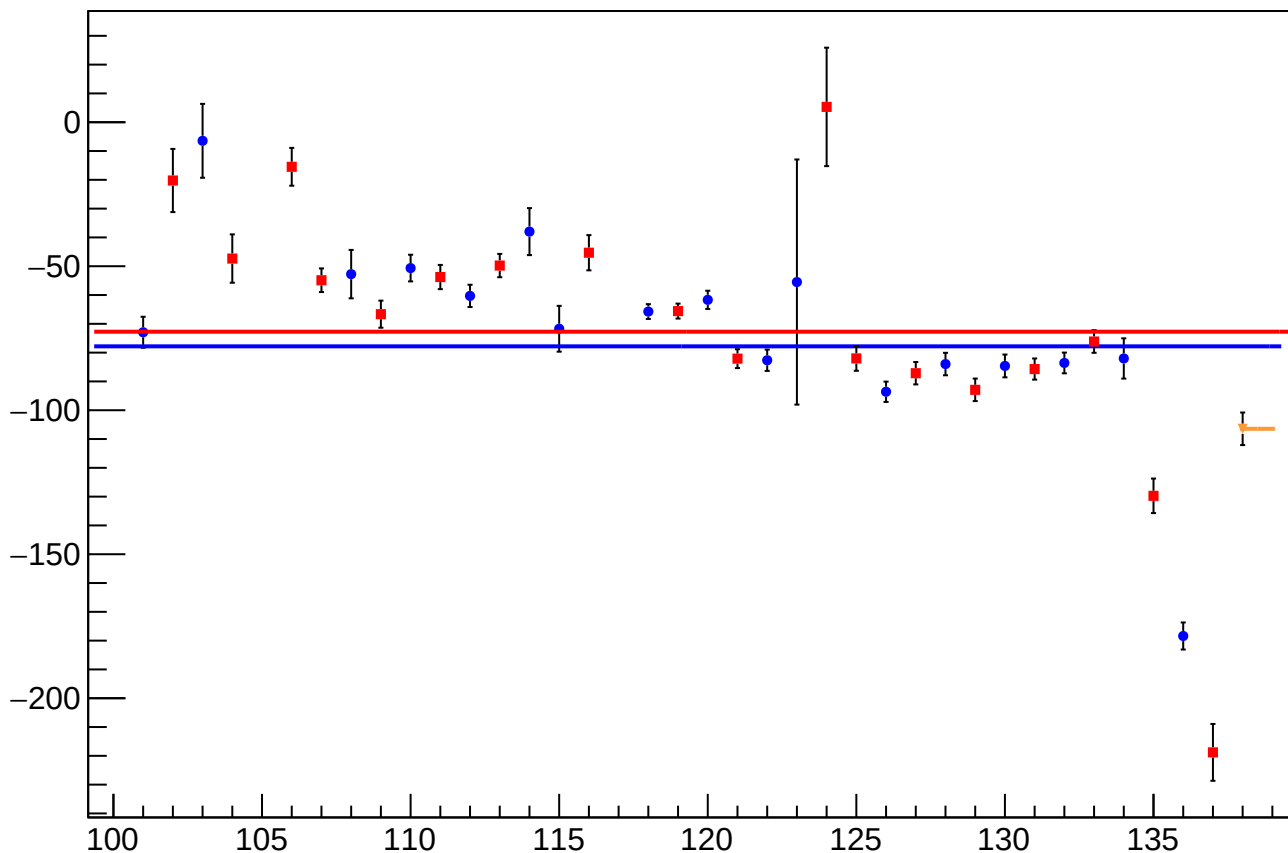
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-199.603 \pm 1.692$   $\chi^2/\text{NDF}$ : 634.8/17

All:  $-193.049 \pm 1.201$   $\chi^2/\text{NDF}$ : 2364.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-77.818 \pm 1.068$   $\chi^2/\text{NDF}$ : 656.4/16

Left Out:  $-106.447 \pm 5.654$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-72.734 \pm 1.054$   $\chi^2/\text{NDF}$ : 599.0/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

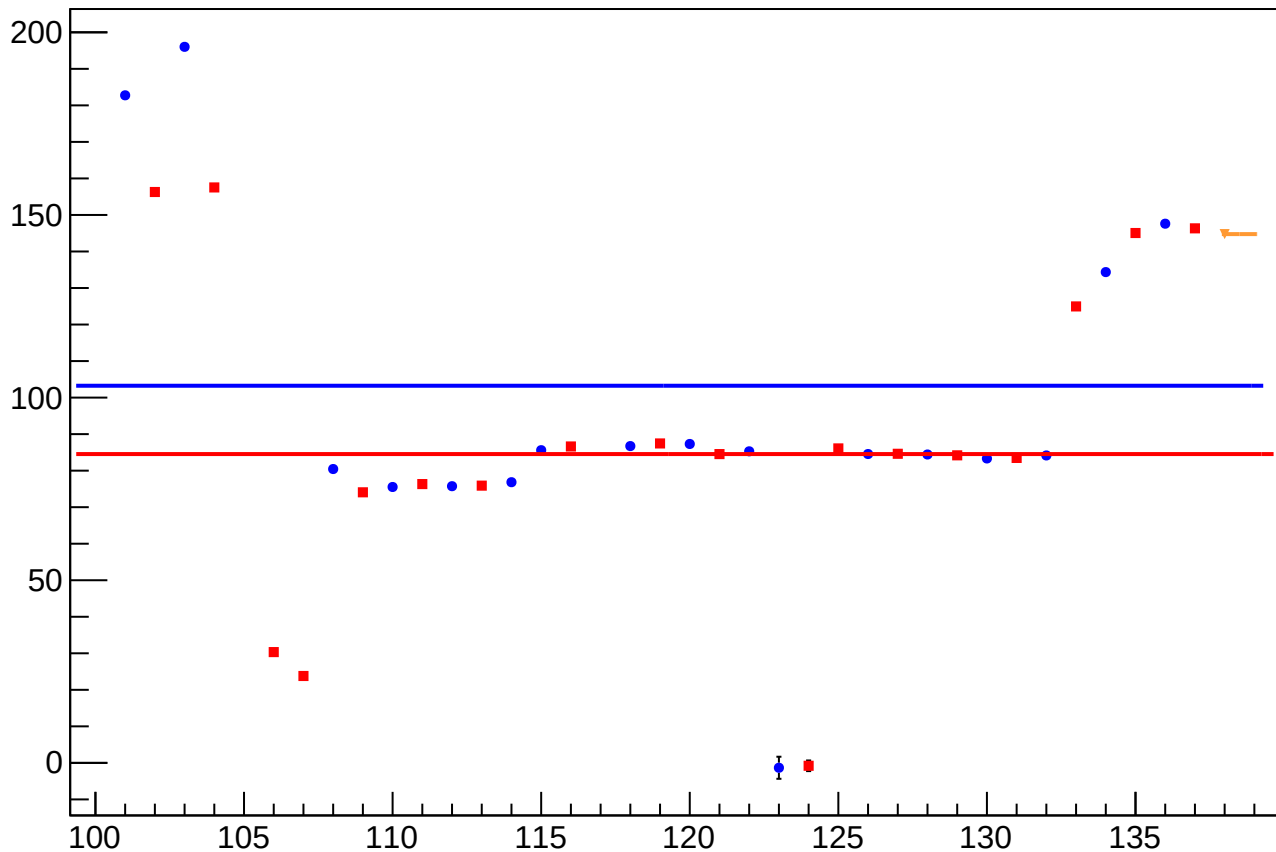
+ sign  $-78.805 \pm 1.049$   $\chi^2/\text{NDF}$ : 681.1/17

All:  $-75.781 \pm 0.744$   $\chi^2/\text{NDF}$ : 1296.8/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 103.247 $\pm$ 0.070  $\chi^2$ /NDF: 273390.3/16

Left Out: 144.759 $\pm$ 0.212  $\chi^2$ /NDF: 0.0/0

Right Out: 84.542 $\pm$ 0.064  $\chi^2$ /NDF: 411395.0/17

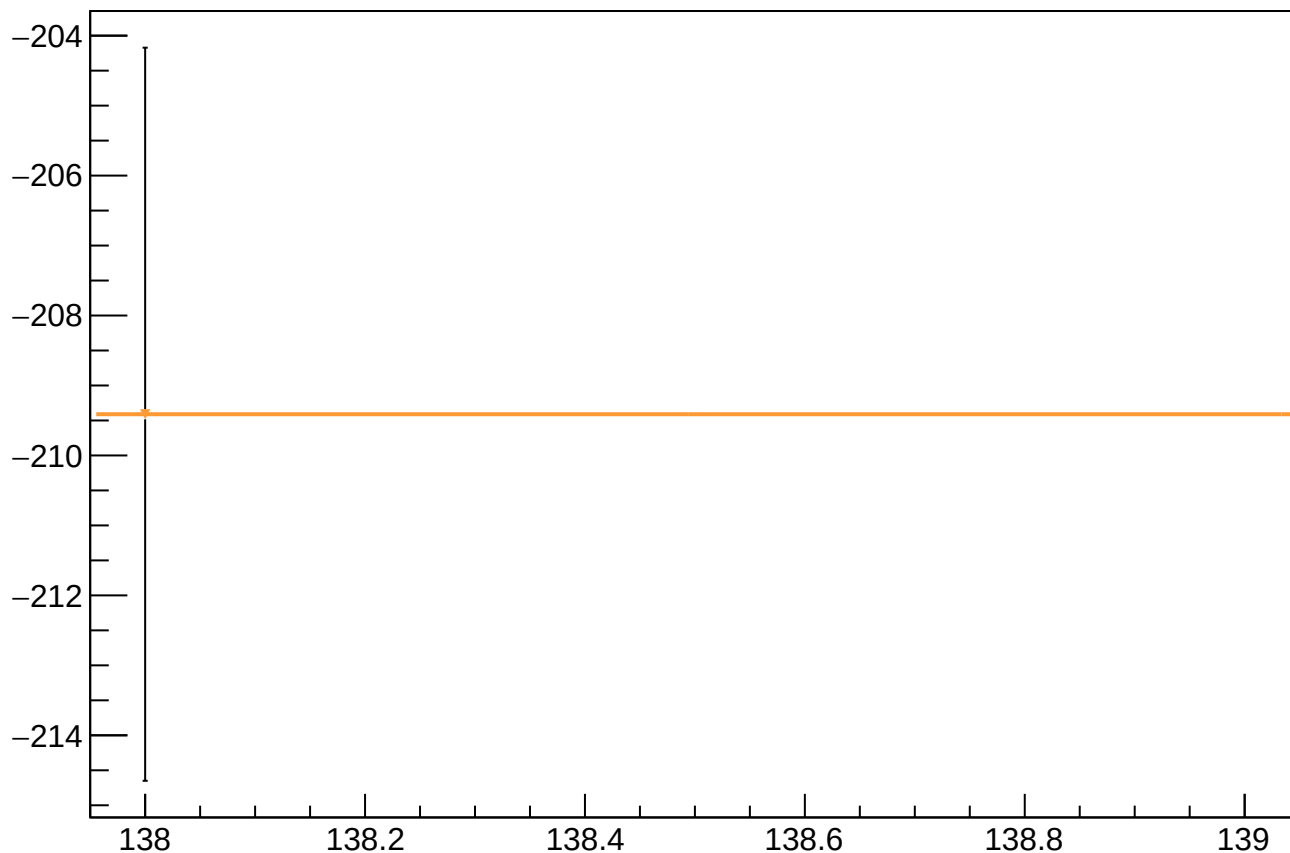
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 107.366 $\pm$ 0.067  $\chi^2$ /NDF: 307833.2/17

All: 95.438 $\pm$ 0.046  $\chi^2$ /NDF: 780111.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -209.411+/-5.239  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

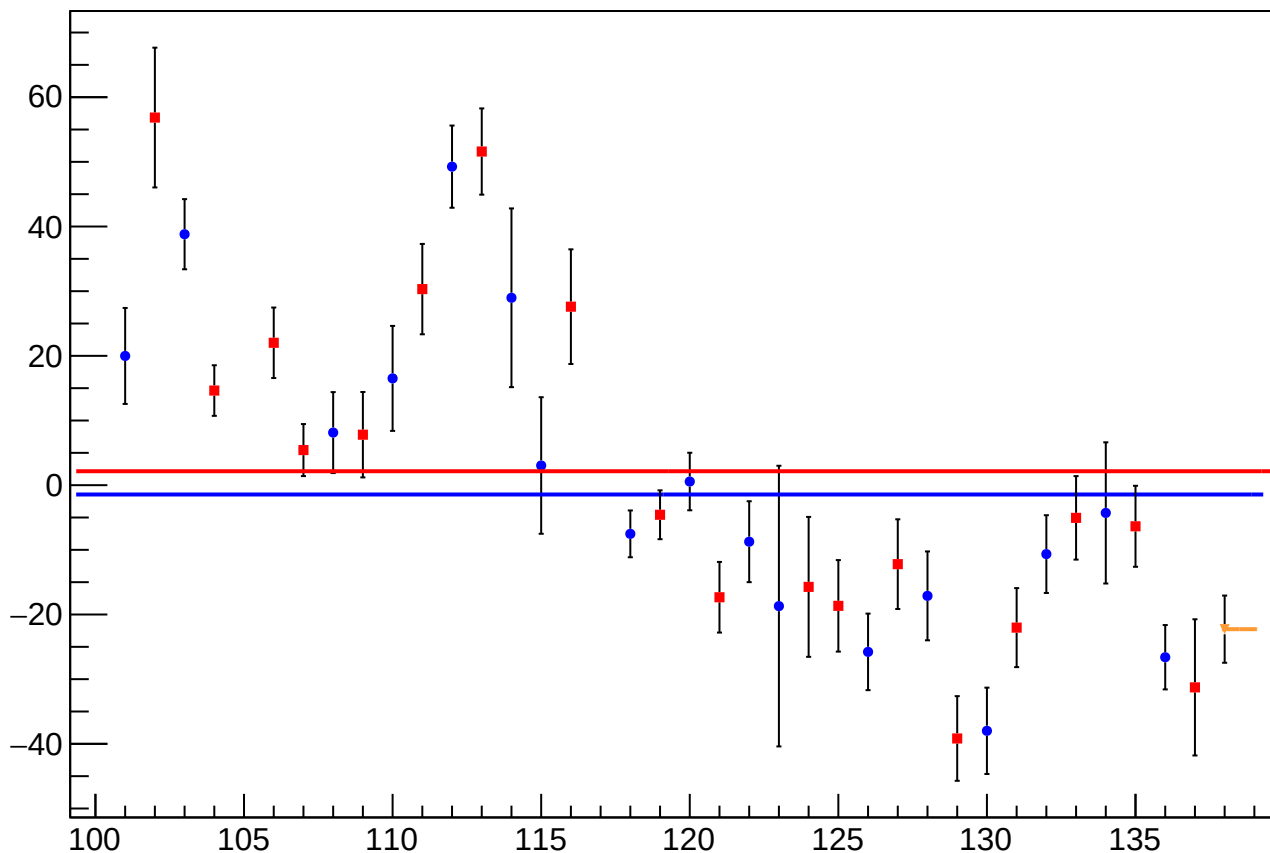
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -209.411+/-5.239  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs Slug



Right In:  $-1.440 \pm 1.516$   $\chi^2/\text{NDF}$ : 224.4/16

Left Out:  $-22.268 \pm 5.195$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $2.157 \pm 1.401$   $\chi^2/\text{NDF}$ : 230.2/17

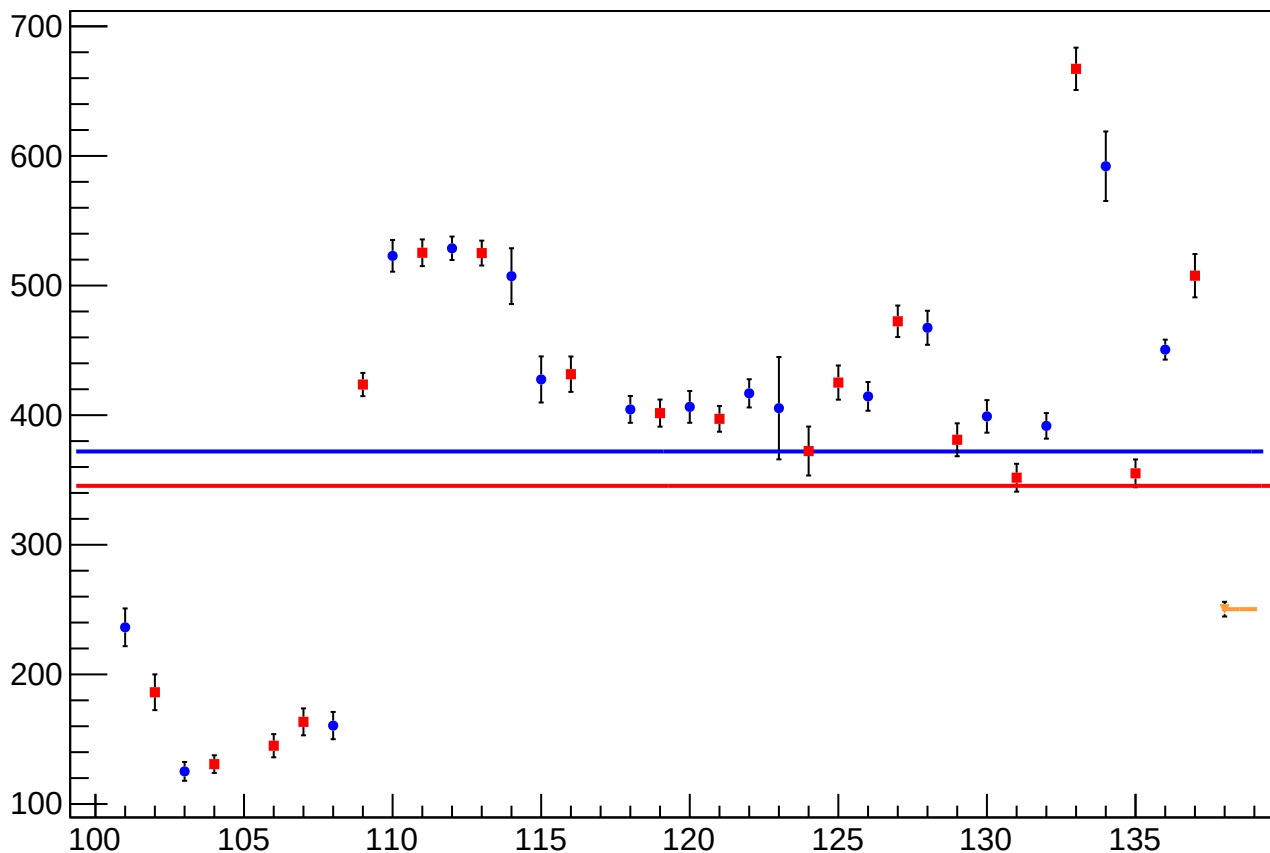
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-3.075 \pm 1.455$   $\chi^2/\text{NDF}$ : 239.2/17

All:  $-0.360 \pm 1.009$   $\chi^2/\text{NDF}$ : 476.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 371.997+/-2.765  $\chi^2/\text{NDF}$ : 2431.2/16

Left Out: 250.327+/-5.680  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 345.473+/-2.564  $\chi^2/\text{NDF}$ : 3401.6/17

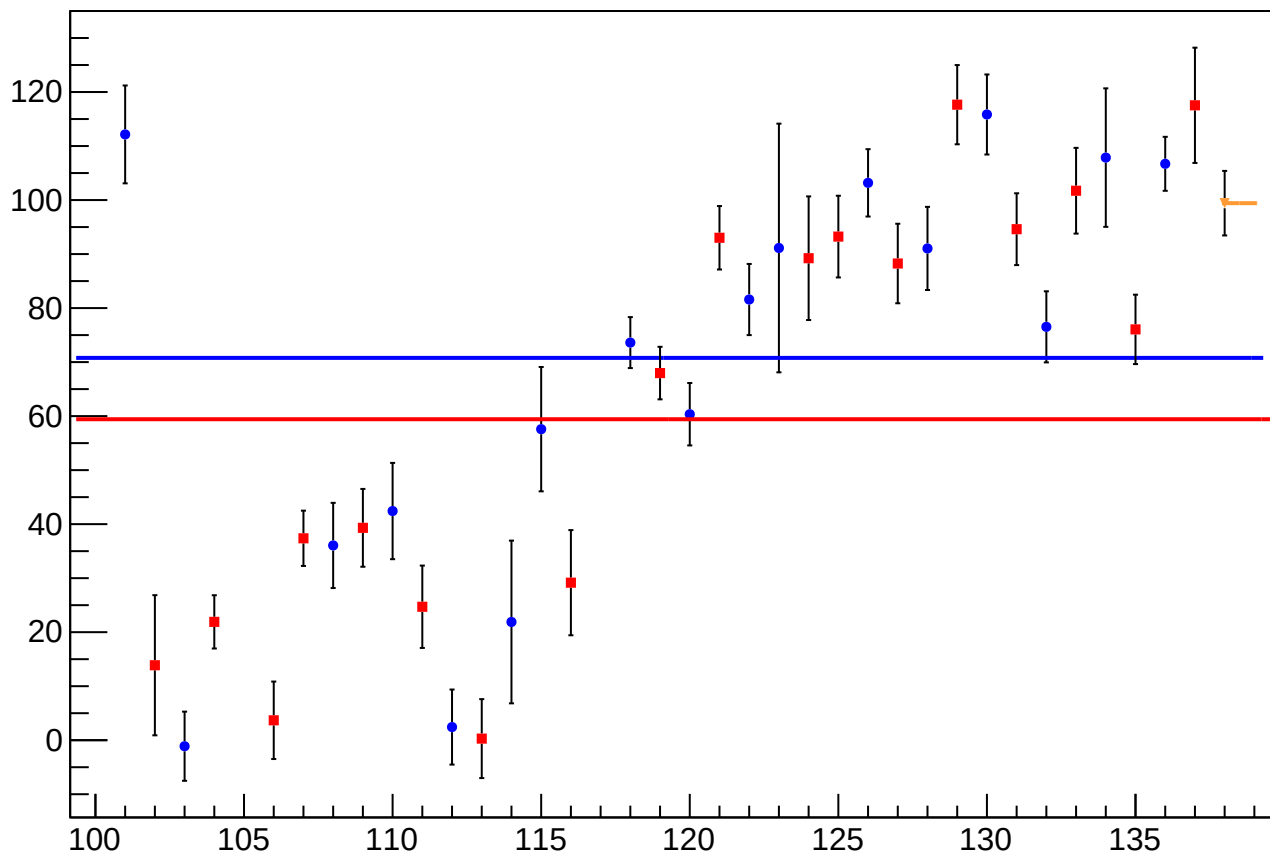
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 348.689+/-2.486  $\chi^2/\text{NDF}$ : 2802.2/17

All: 347.131+/-1.785  $\chi^2/\text{NDF}$ : 6204.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 70.780 $\pm$ 1.747  $\chi^2$ /NDF: 423.9/16

Left Out: 99.422 $\pm$ 5.973  $\chi^2$ /NDF: 0.0/0

Right Out: 59.421 $\pm$ 1.632  $\chi^2$ /NDF: 486.6/17

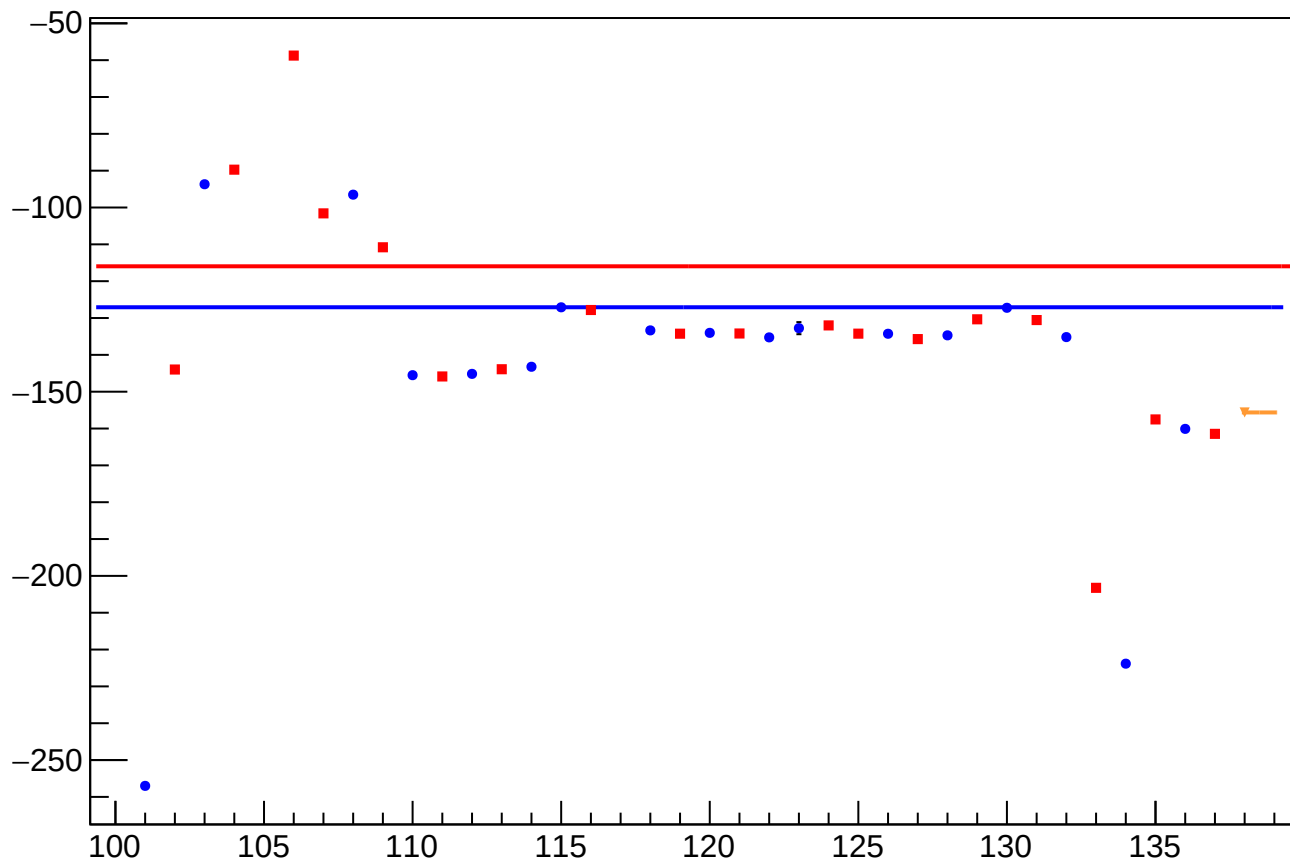
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 73.037 $\pm$ 1.676  $\chi^2$ /NDF: 445.1/17

All: 66.047 $\pm$ 1.169  $\chi^2$ /NDF: 965.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -127.076+/-0.090  $\chi^2/\text{NDF}$ : 167028.9/16

Left Out: -155.633+/-0.225  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -115.959+/-0.083  $\chi^2/\text{NDF}$ : 158983.0/17

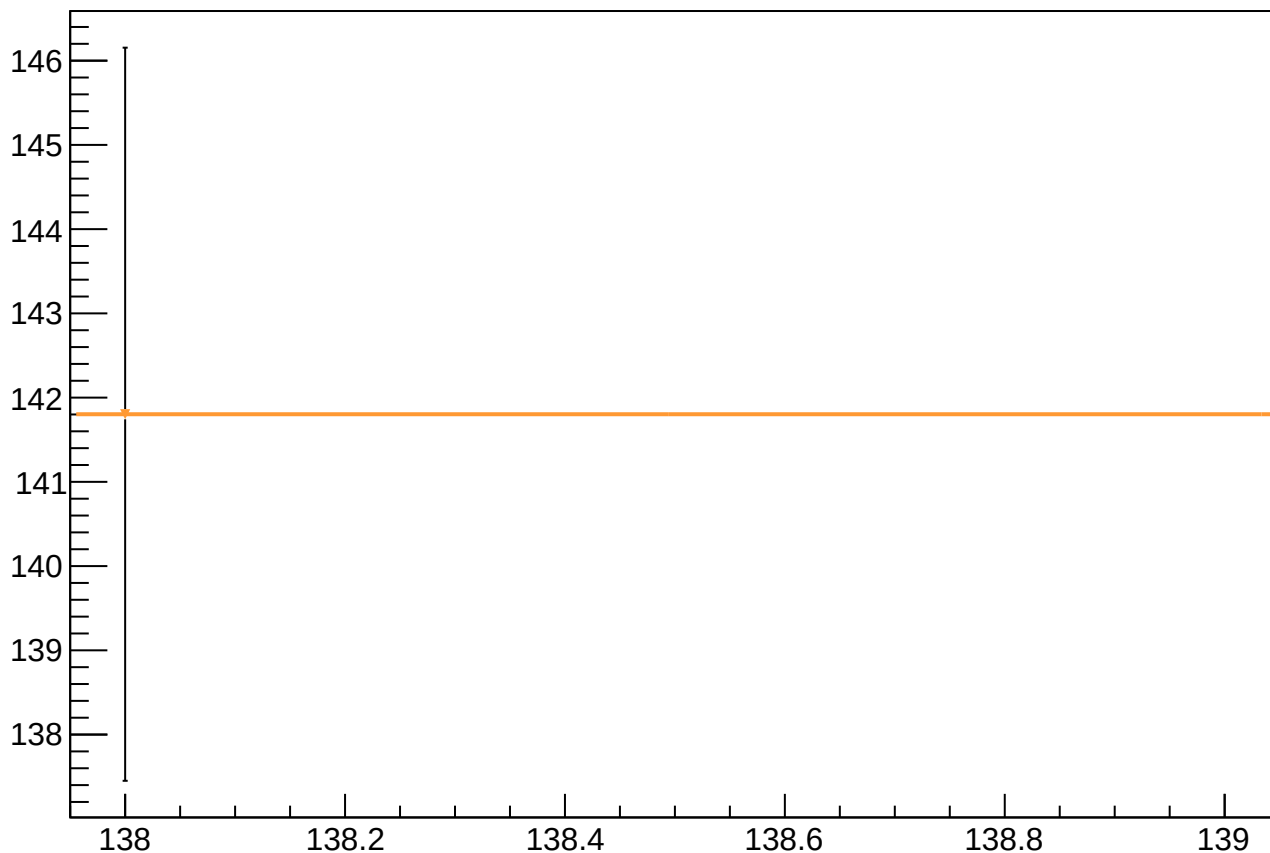
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -130.966+/-0.083  $\chi^2/\text{NDF}$ : 180889.1/17

All: -123.446+/-0.059  $\chi^2/\text{NDF}$ : 356174.6/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 141.803+/-4.352  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

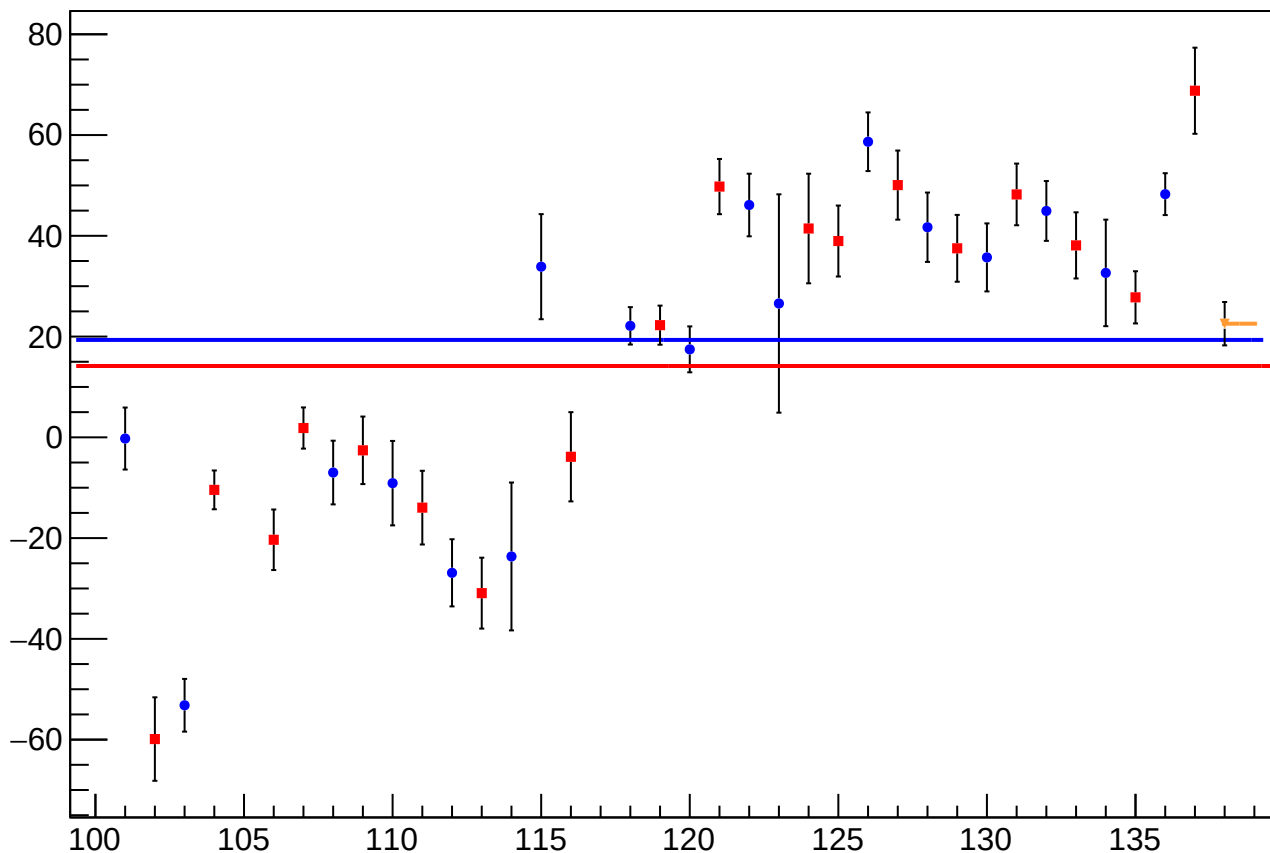
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 141.803+/-4.352  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 19.337 $\pm$ 1.482  $\chi^2$ /NDF: 439.8/16

Left Out: 22.557 $\pm$ 4.306  $\chi^2$ /NDF: 0.0/0

Right Out: 14.162 $\pm$ 1.391  $\chi^2$ /NDF: 426.0/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

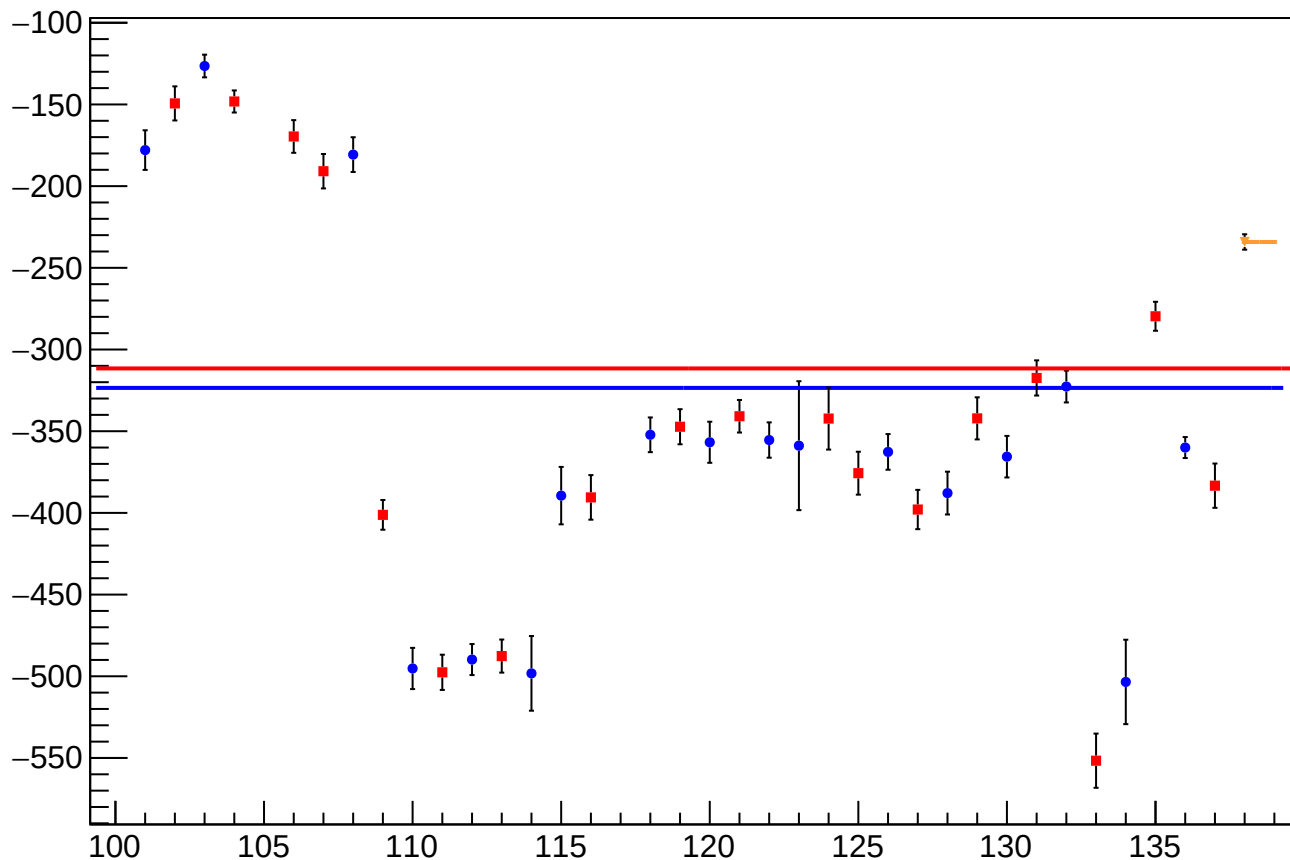
+ sign 19.678 $\pm$ 1.402  $\chi^2$ /NDF: 440.3/17

All: 16.899 $\pm$ 0.987  $\chi^2$ /NDF: 874.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-323.491 \pm 2.673$   $\chi^2/\text{NDF}: 1847.6/16$

Left Out:  $-234.175 \pm 4.717$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-311.573 \pm 2.527$   $\chi^2/\text{NDF}: 2243.8/17$

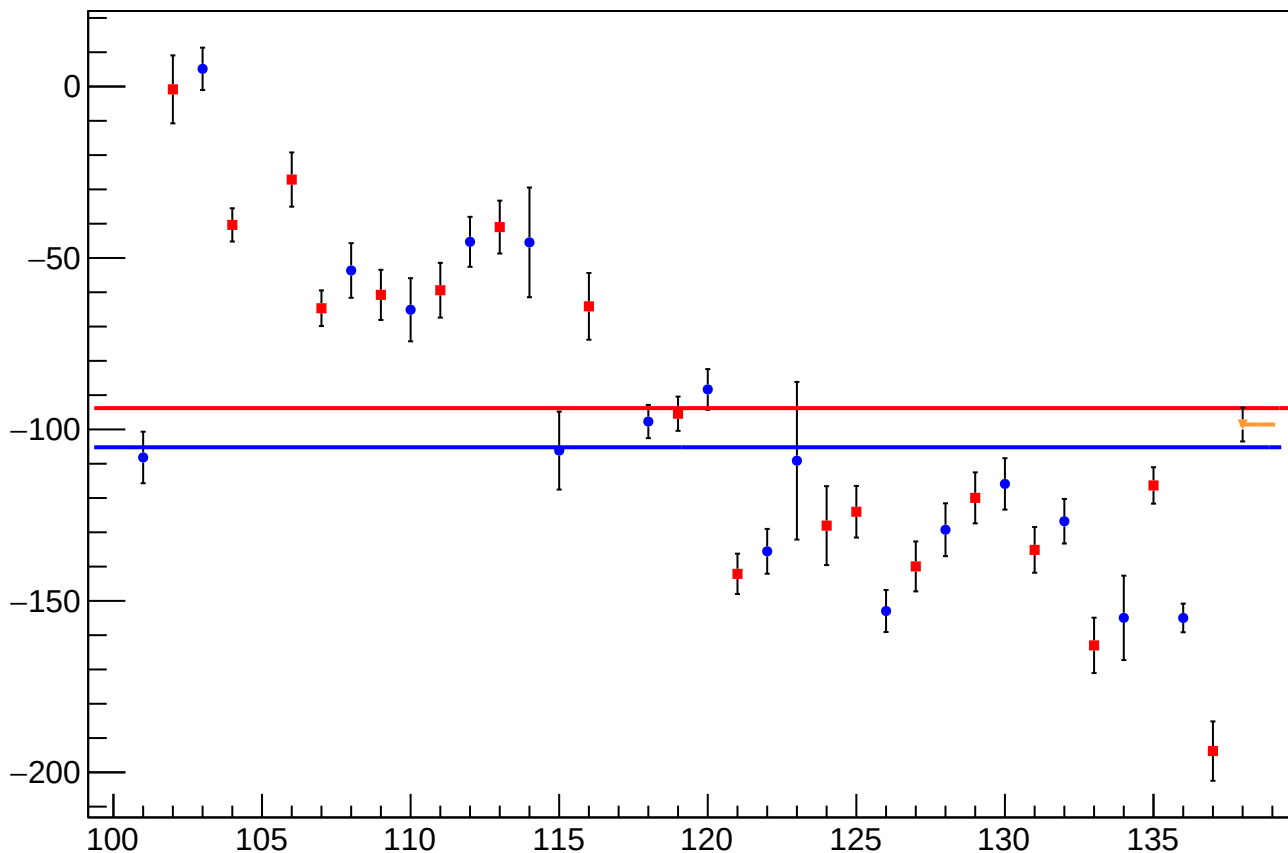
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-301.789 \pm 2.325$   $\chi^2/\text{NDF}: 2118.9/17$

All:  $-306.275 \pm 1.711$   $\chi^2/\text{NDF}: 4370.8/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-105.203 \pm 1.697$   $\chi^2/\text{NDF}$ : 735.6/16

Left Out:  $-98.557 \pm 4.951$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-93.793 \pm 1.611$   $\chi^2/\text{NDF}$ : 815.4/17

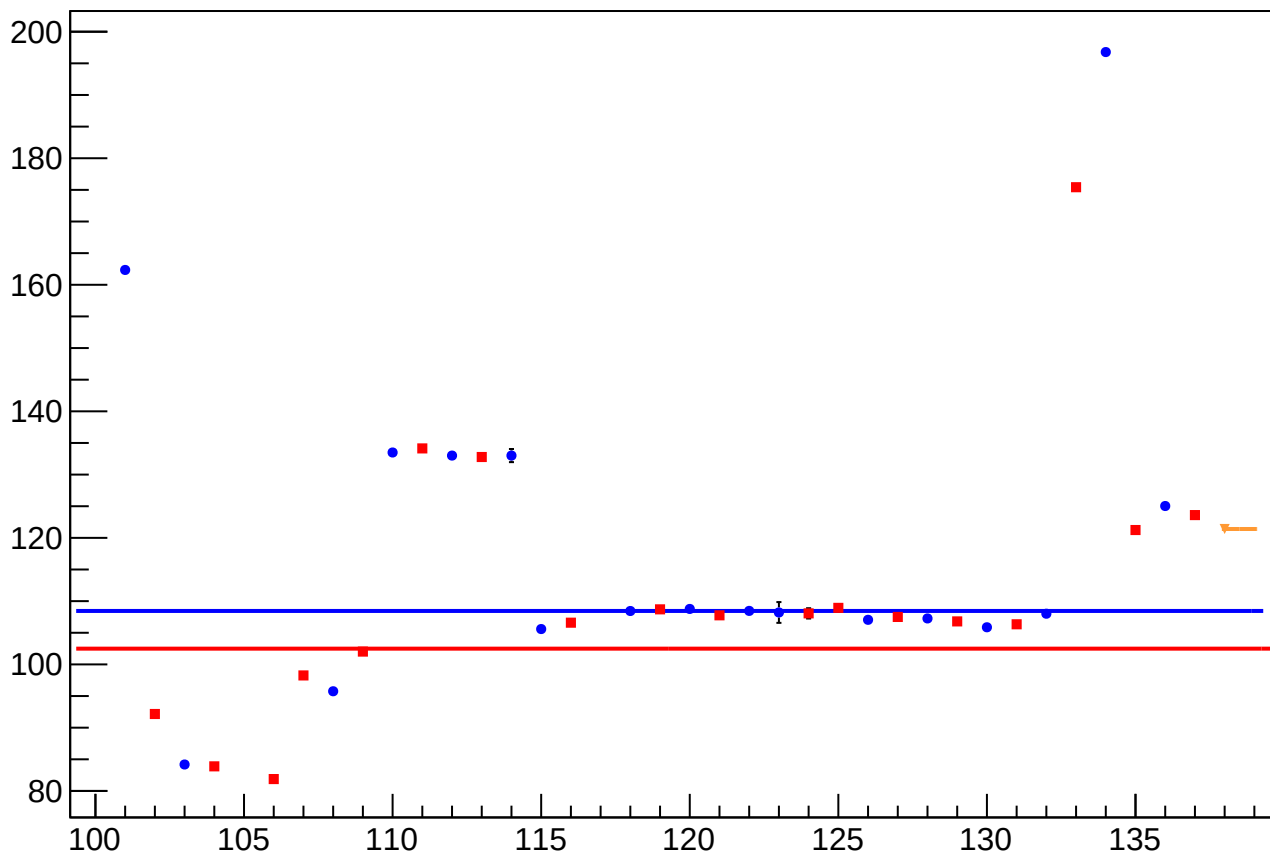
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-104.504 \pm 1.605$   $\chi^2/\text{NDF}$ : 737.2/17

All:  $-99.169 \pm 1.137$   $\chi^2/\text{NDF}$ : 1574.8/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $108.448 \pm 0.085$   $\chi^2/\text{NDF}: 73265.3/16$

Left Out:  $121.402 \pm 0.187$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $102.490 \pm 0.080$   $\chi^2/\text{NDF}: 52909.2/17$

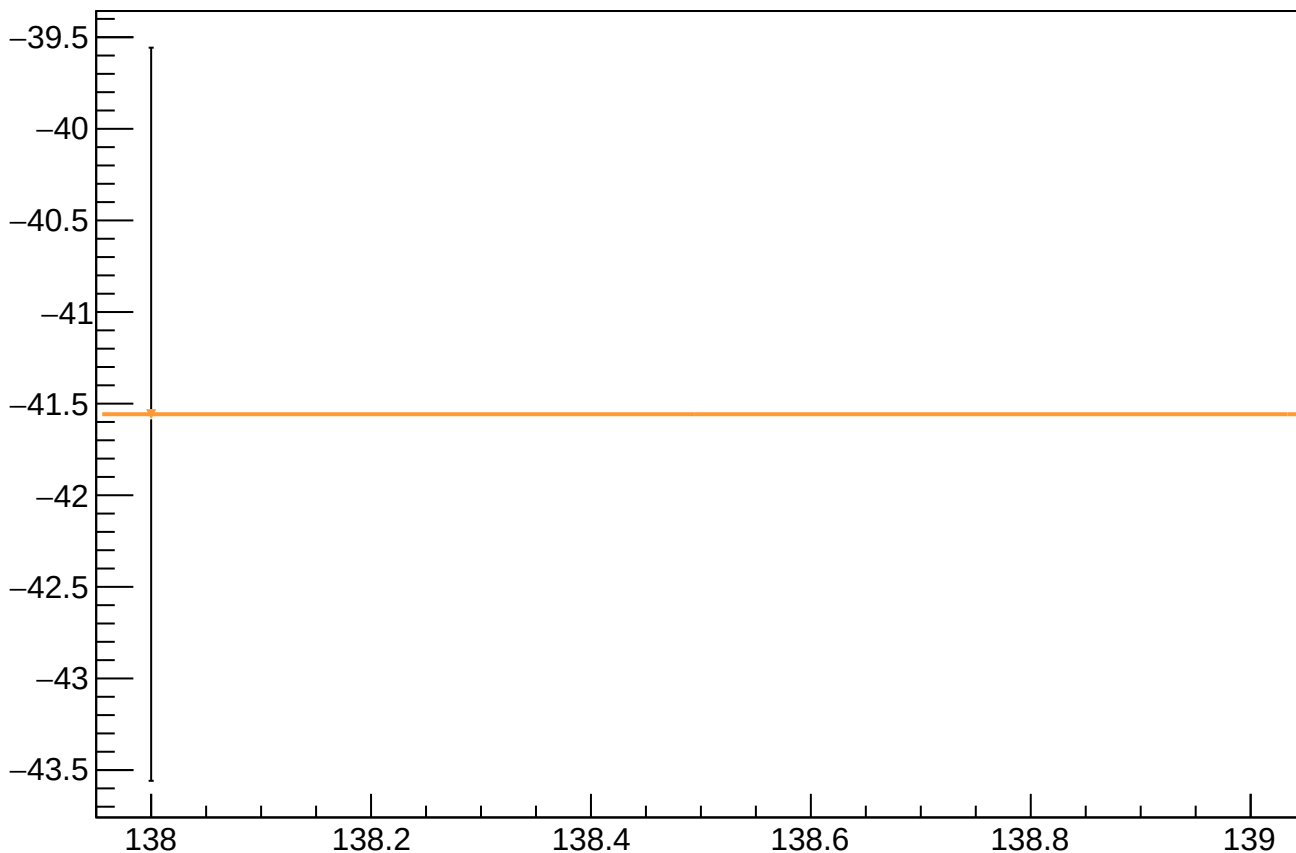
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $110.650 \pm 0.077$   $\chi^2/\text{NDF}: 77232.9/17$

All:  $106.692 \pm 0.055$   $\chi^2/\text{NDF}: 135554.4/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_at1\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left Out:  $-41.558 \pm 2.001$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

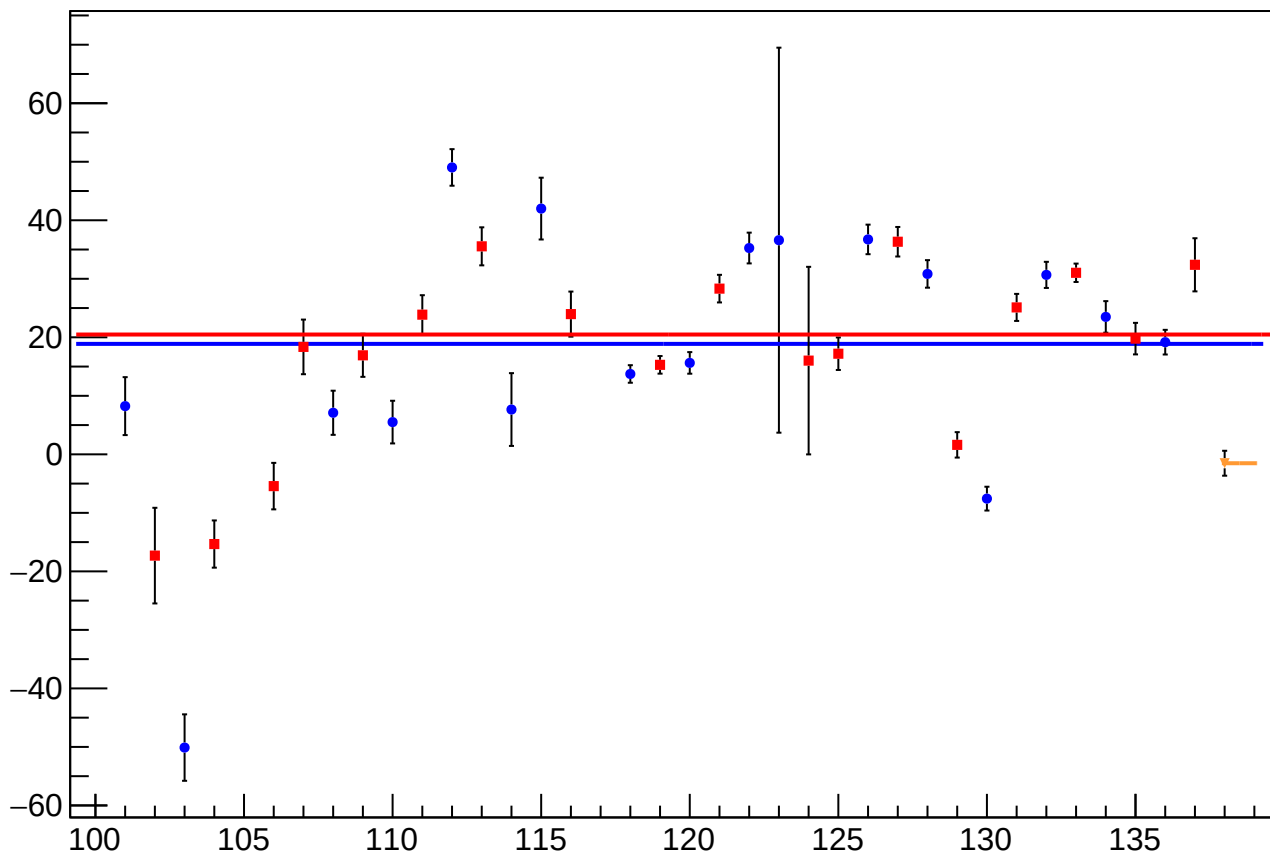
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-41.558 \pm 2.001$   $\chi^2/\text{NDF}$ : 0.0/0

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 18.876+/-0.644  $\chi^2/\text{NDF}$ : 620.5/16

Left Out: -1.521+/-2.130  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 20.474+/-0.644  $\chi^2/\text{NDF}$ : 362.4/17

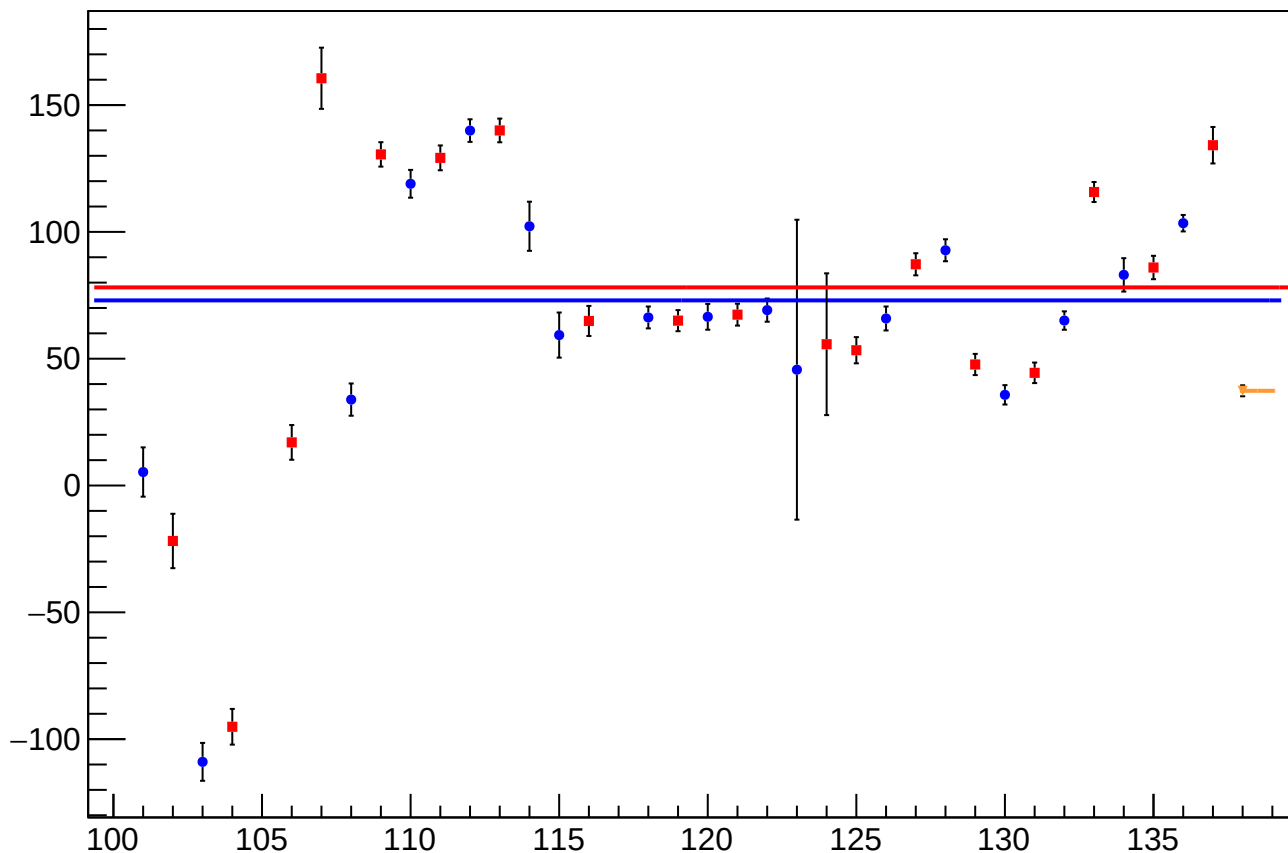
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 17.165+/-0.617  $\chi^2/\text{NDF}$ : 704.5/17

All: 18.750+/-0.445  $\chi^2/\text{NDF}$ : 1080.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 72.992 $\pm$ 1.230  $\chi^2$ /NDF: 1205.5/16

Left Out: 37.350 $\pm$ 2.170  $\chi^2$ /NDF: 0.0/0

Right Out: 78.119 $\pm$ 1.224  $\chi^2$ /NDF: 1546.8/17

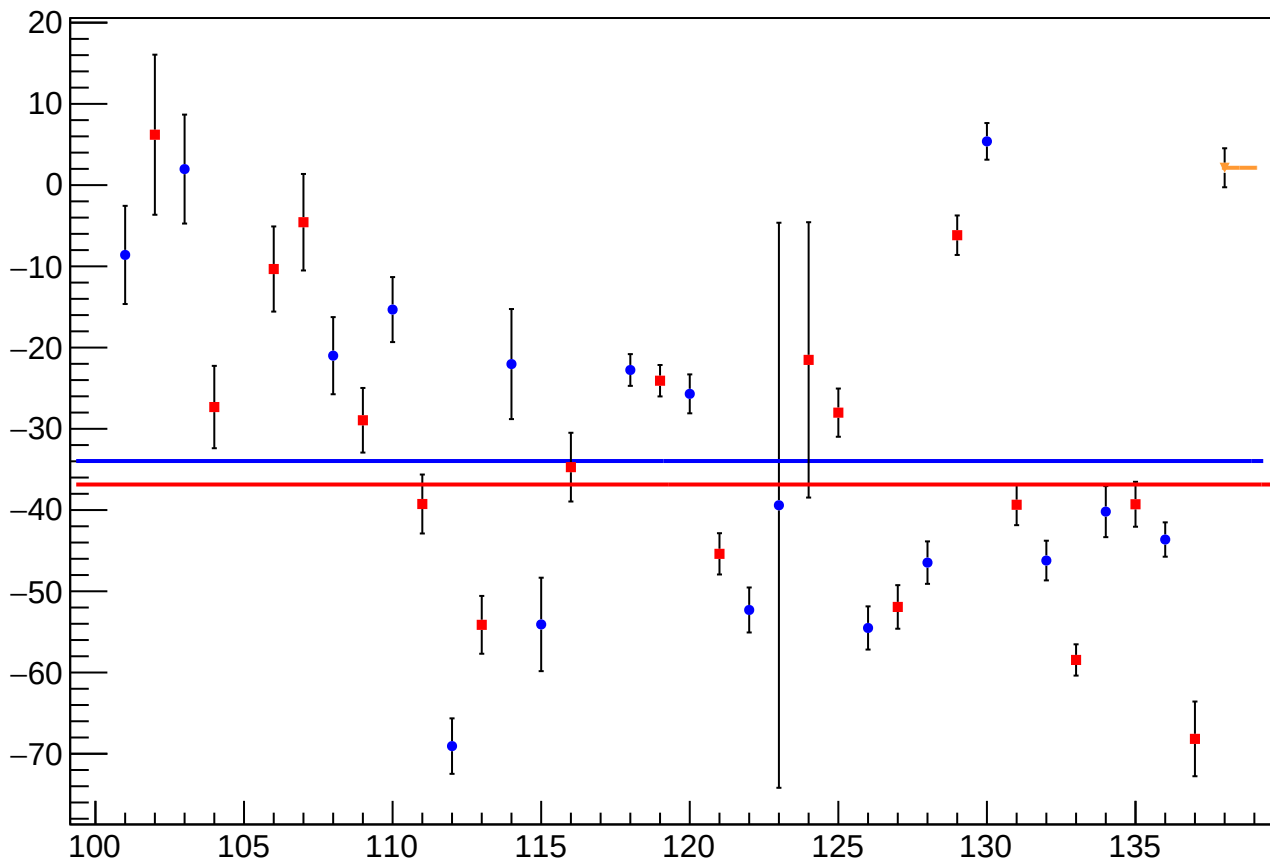
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 64.326 $\pm$ 1.070  $\chi^2$ /NDF: 1409.6/17

All: 70.302 $\pm$ 0.806  $\chi^2$ /NDF: 3028.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-33.964 \pm 0.738$   $\chi^2/\text{NDF}$ : 721.9/16

Left Out:  $2.136 \pm 2.401$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-36.856 \pm 0.737$   $\chi^2/\text{NDF}$ : 535.3/17

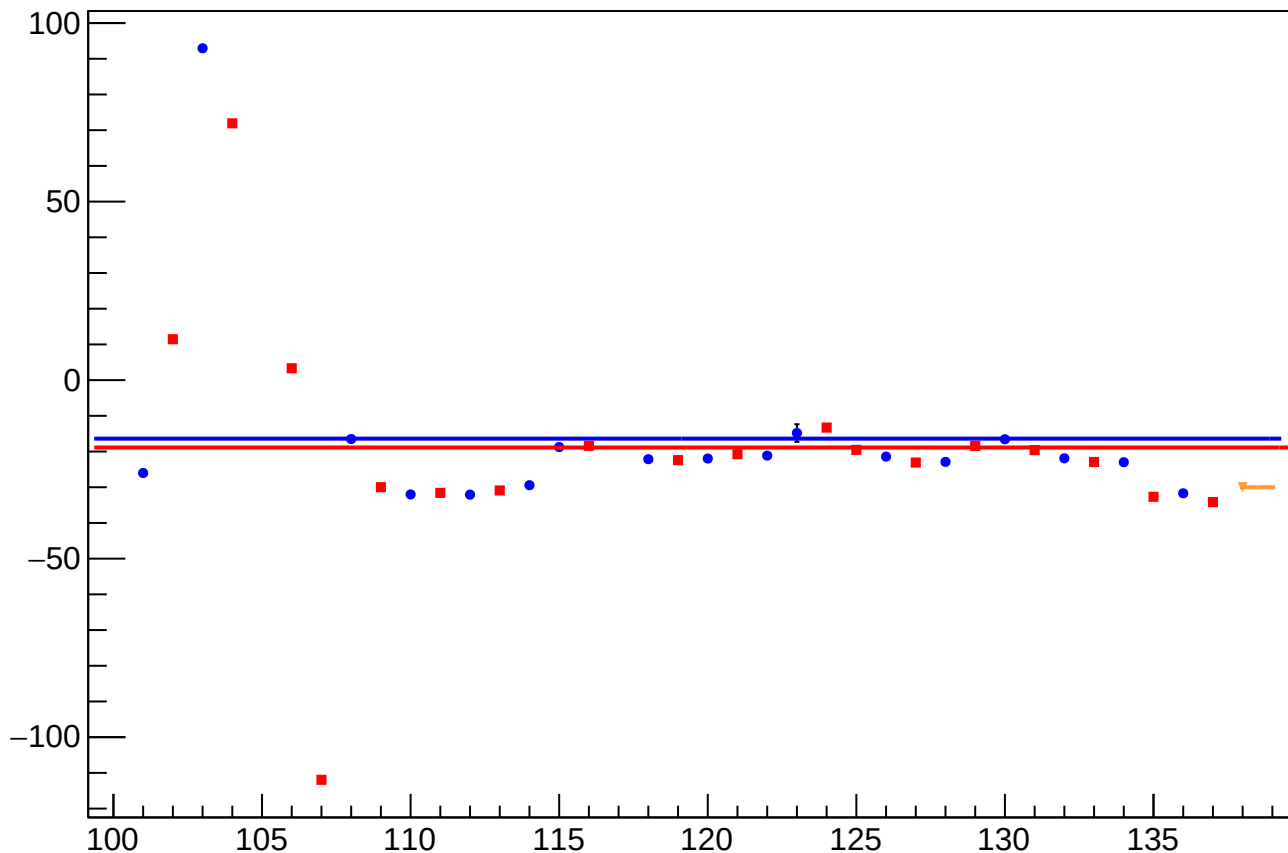
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-30.852 \pm 0.705$   $\chi^2/\text{NDF}$ : 928.5/17

All:  $-33.721 \pm 0.509$   $\chi^2/\text{NDF}$ : 1498.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-16.386 \pm 0.044$   $\chi^2/\text{NDF}: 474297.3/16$

Left Out:  $-29.993 \pm 0.084$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-18.873 \pm 0.045$   $\chi^2/\text{NDF}: 433372.4/17$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

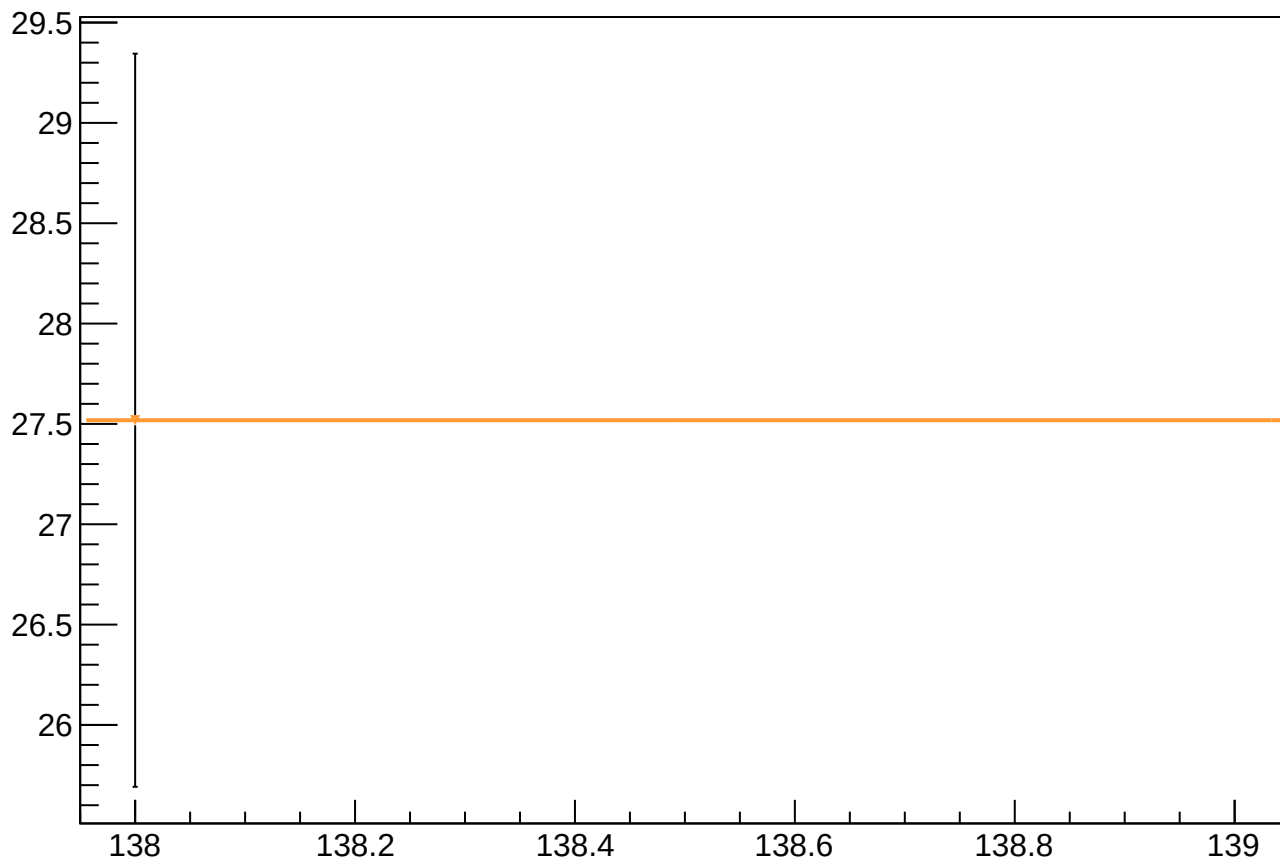
+ sign  $-19.340 \pm 0.039$   $\chi^2/\text{NDF}: 494623.5/17$

All:  $-19.139 \pm 0.030$   $\chi^2/\text{NDF}: 928056.4/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_at1\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 27.518+/-1.827  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

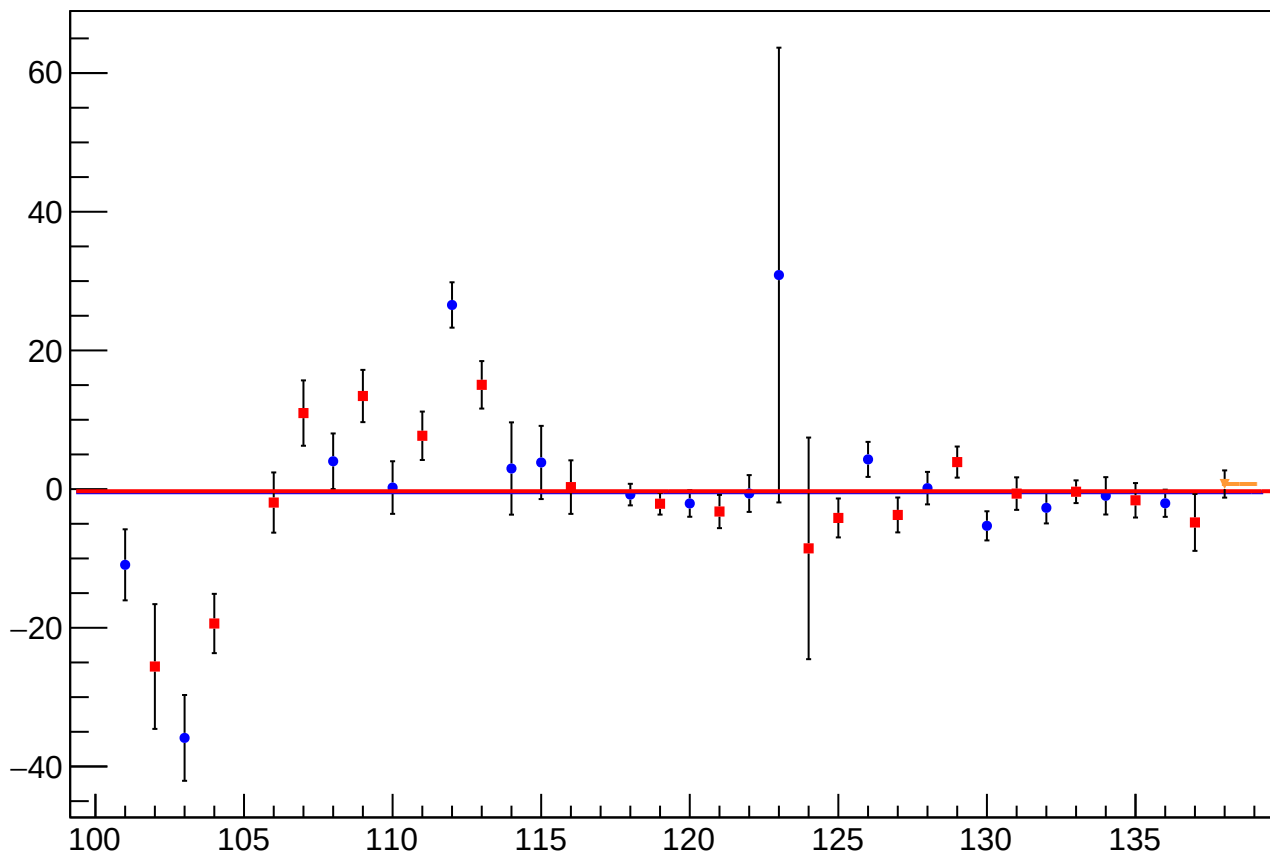
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 27.518+/-1.827  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-0.452 \pm 0.654$   $\chi^2/\text{NDF}$ : 119.5/16

Left Out:  $0.736 \pm 1.964$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.305 \pm 0.657$   $\chi^2/\text{NDF}$ : 84.1/17

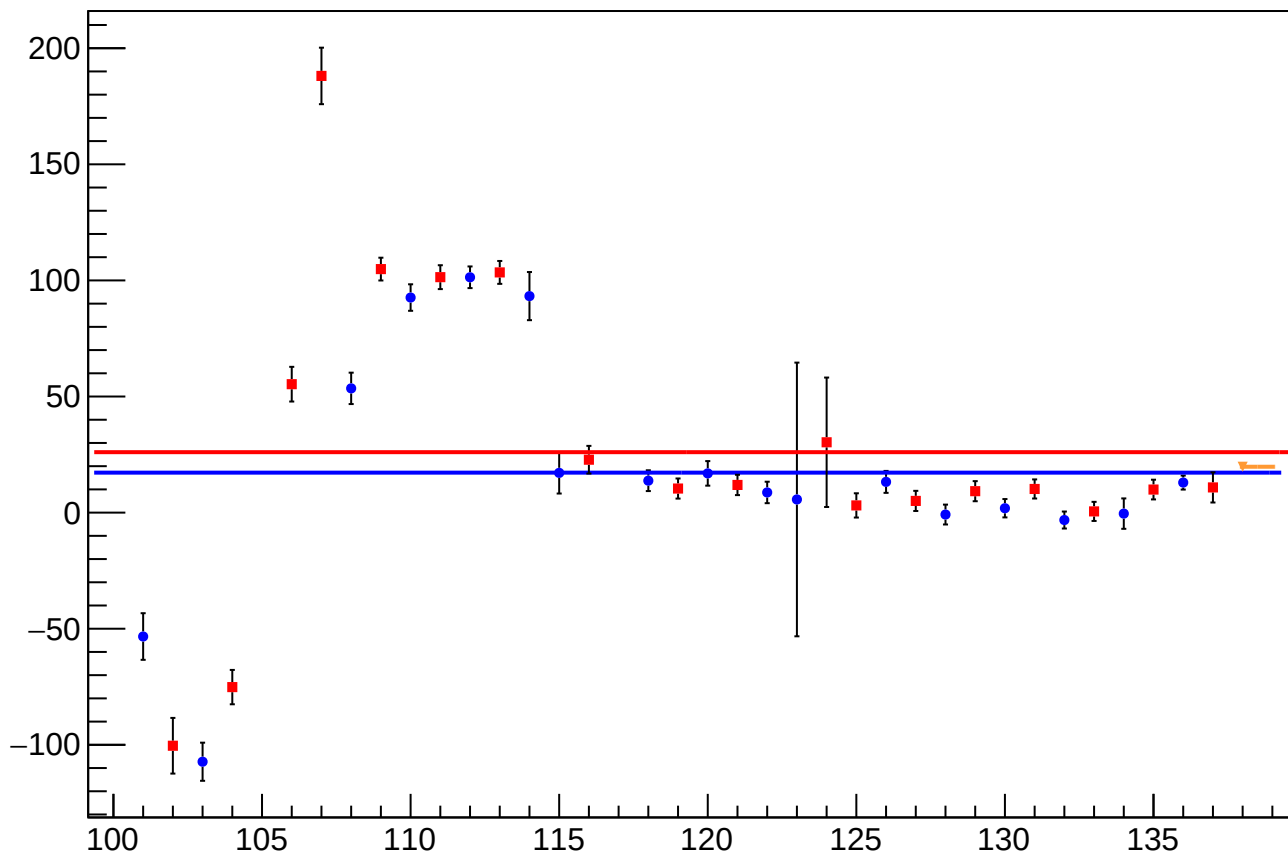
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.333 \pm 0.621$   $\chi^2/\text{NDF}$ : 119.9/17

All:  $-0.320 \pm 0.451$   $\chi^2/\text{NDF}$ : 204.0/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 17.218+/-1.241  $\chi^2$ /NDF: 940.1/16

Left Out: 19.756+/-1.981  $\chi^2$ /NDF: 0.0/0

Right Out: 26.032+/-1.244  $\chi^2$ /NDF: 1366.0/17

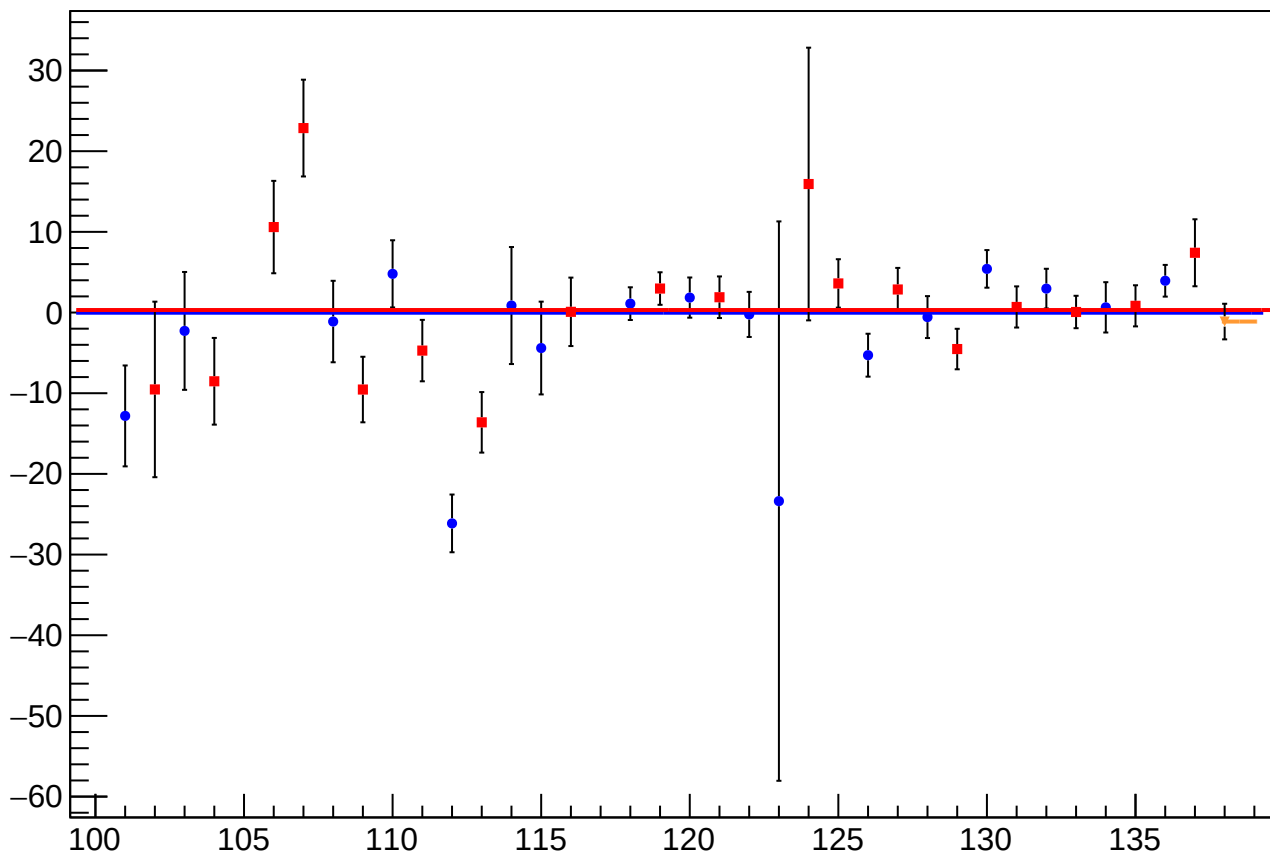
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 17.933+/-1.052  $\chi^2$ /NDF: 941.3/17

All: 21.309+/-0.803  $\chi^2$ /NDF: 2332.0/35

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-0.022 \pm 0.745$   $\chi^2/\text{NDF}$ : 75.8/16

Left Out:  $-1.119 \pm 2.207$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.311 \pm 0.749$   $\chi^2/\text{NDF}$ : 54.1/17

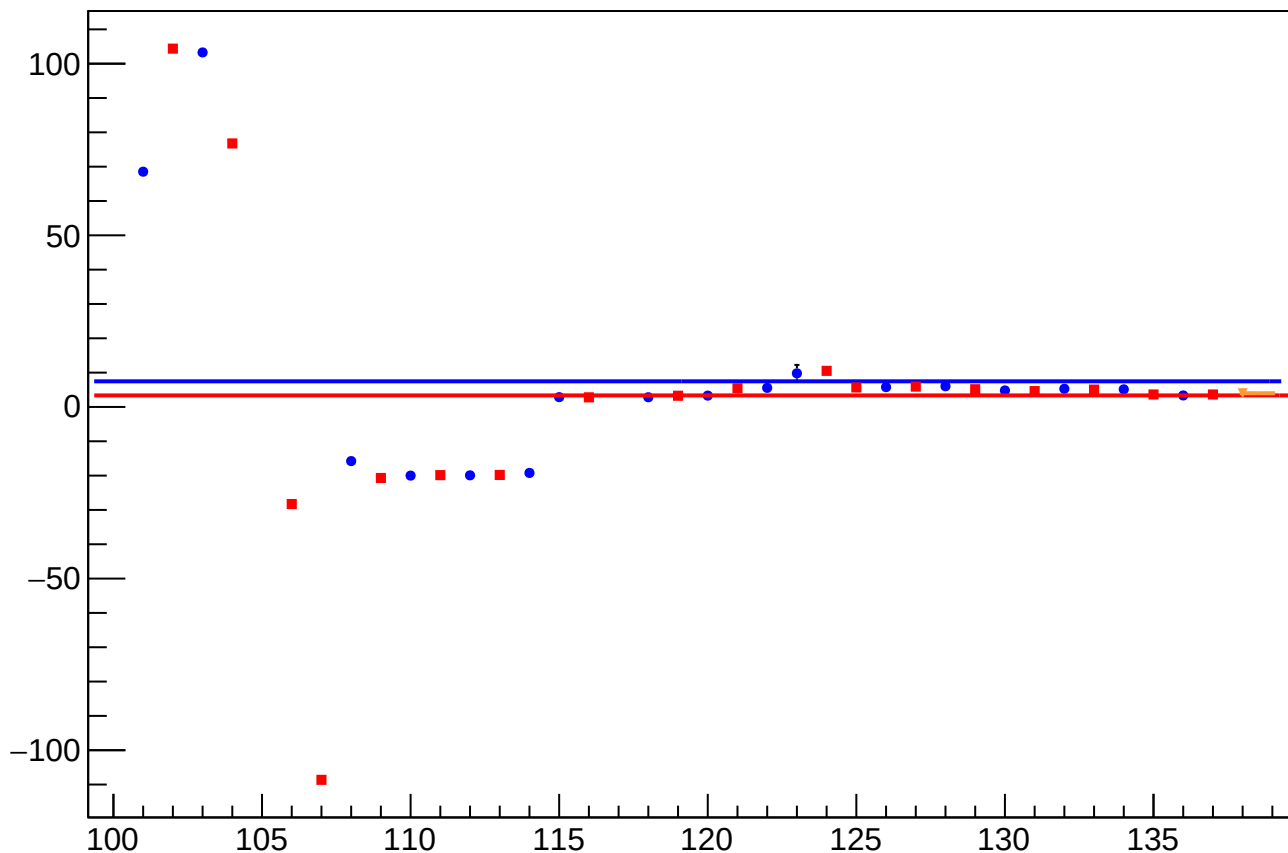
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.134 \pm 0.706$   $\chi^2/\text{NDF}$ : 76.1/17

All:  $0.075 \pm 0.514$   $\chi^2/\text{NDF}$ : 130.3/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 7.467 $\pm$ 0.044  $\chi^2$ /NDF: 355890.1/16

Left Out: 3.993 $\pm$ 0.077  $\chi^2$ /NDF: 0.0/0

Right Out: 3.362 $\pm$ 0.046  $\chi^2$ /NDF: 504811.4/17

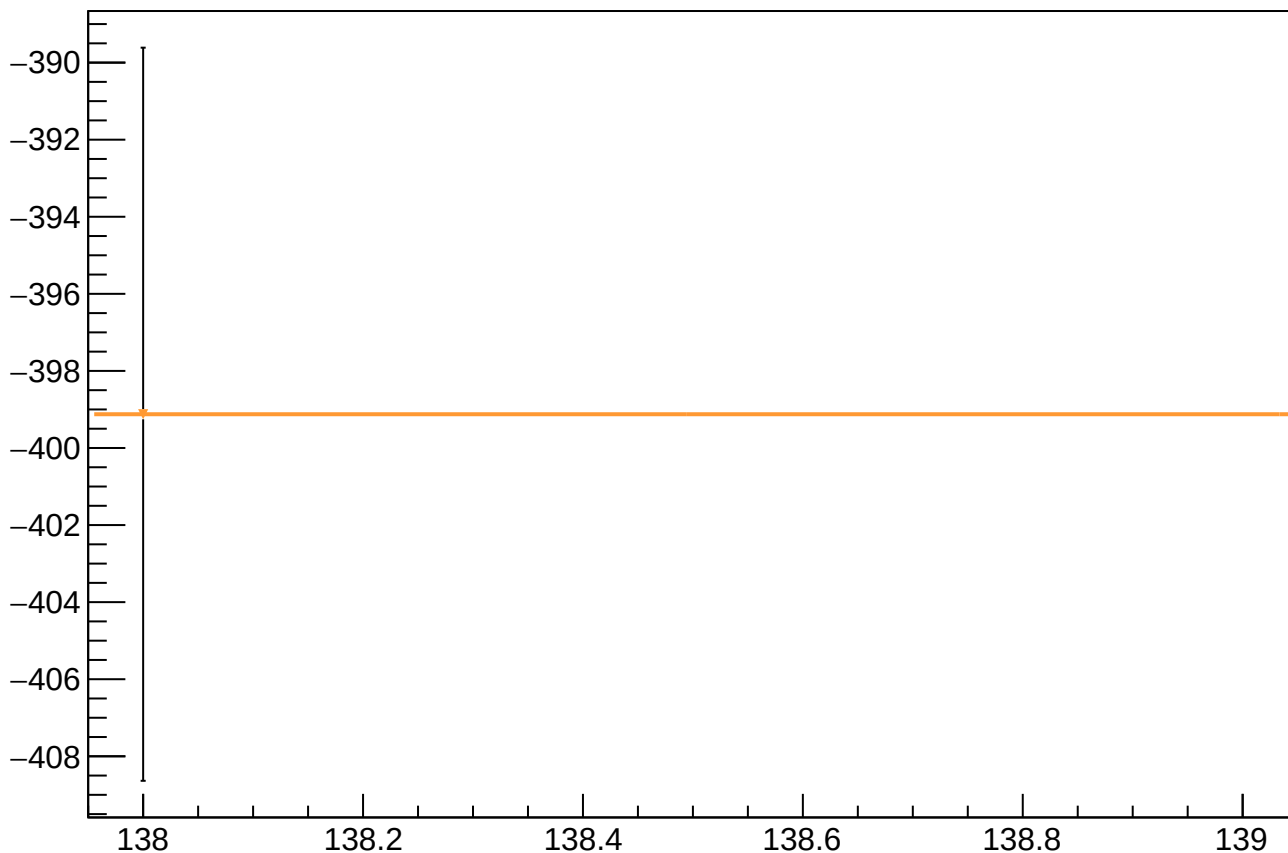
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 6.597 $\pm$ 0.039  $\chi^2$ /NDF: 357418.0/17

All: 5.251 $\pm$ 0.029  $\chi^2$ /NDF: 865169.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -399.124+/-9.512  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

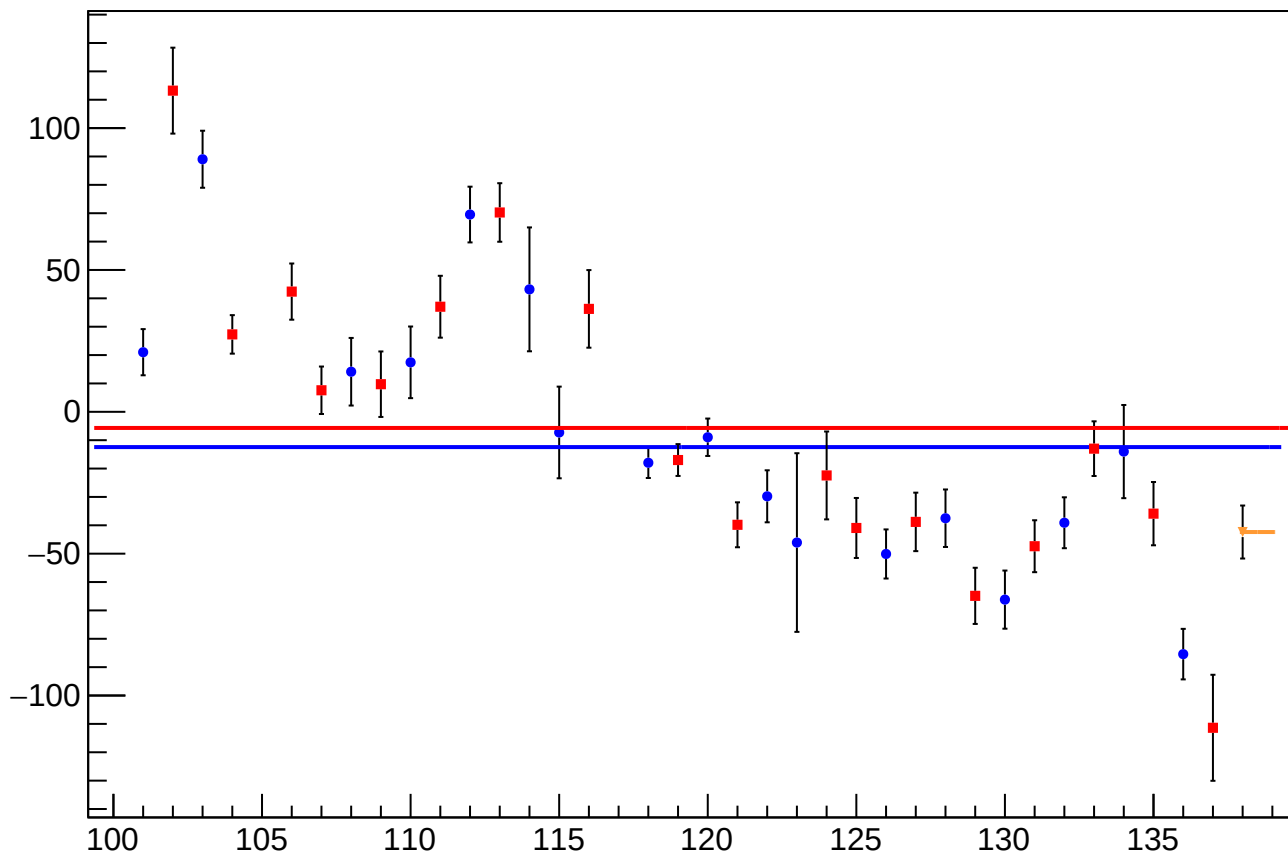
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -399.124+/-9.512  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug



Right In:  $-12.431 \pm 2.315$   $\chi^2/\text{NDF}$ : 340.2/16

Left Out:  $-42.372 \pm 9.340$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-5.686 \pm 2.263$   $\chi^2/\text{NDF}$ : 333.7/17

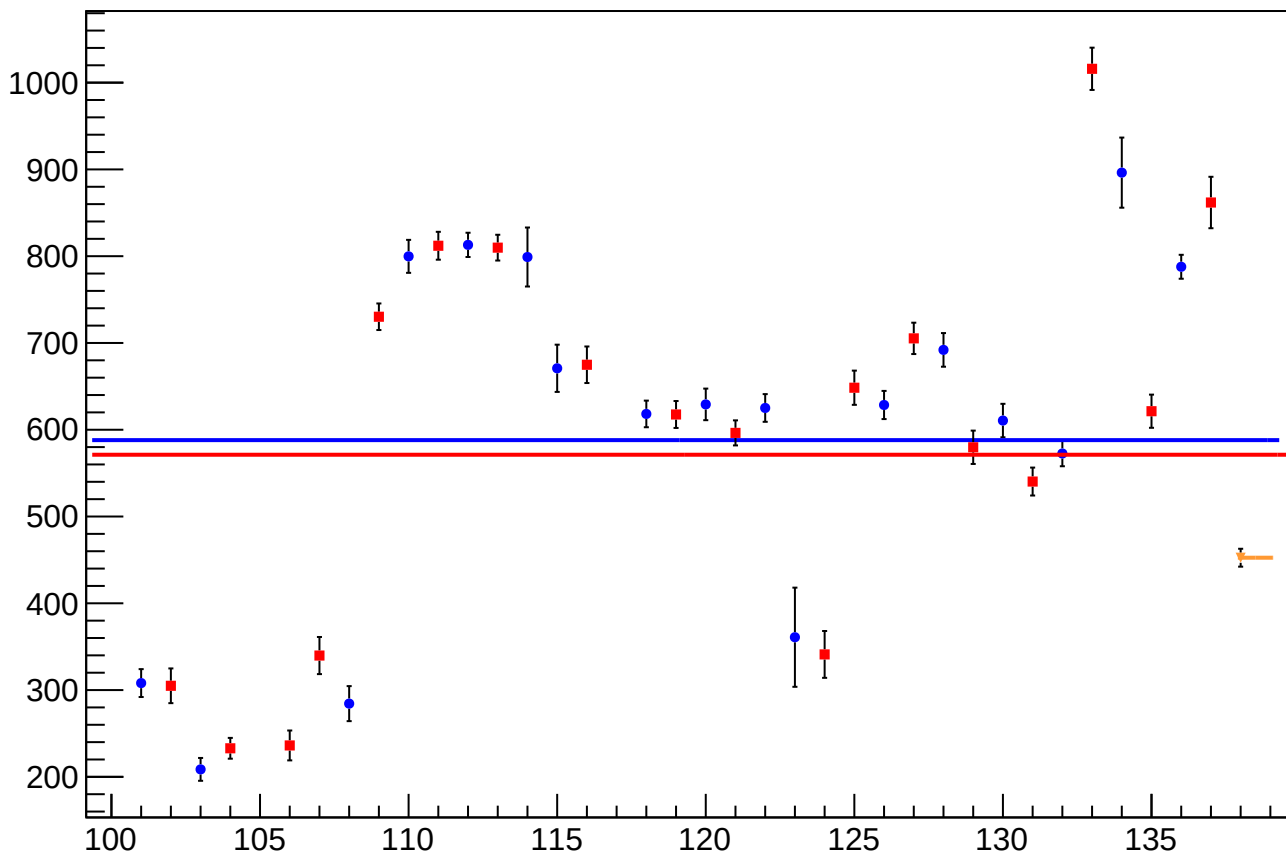
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-14.164 \pm 2.247$   $\chi^2/\text{NDF}$ : 349.9/17

All:  $-9.955 \pm 1.594$   $\chi^2/\text{NDF}$ : 690.6/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 588.034+/-4.329  $\chi^2/\text{NDF}$ : 2127.7/16

Left Out: 452.526+/-10.310  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 571.196+/-4.151  $\chi^2/\text{NDF}$ : 2680.4/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

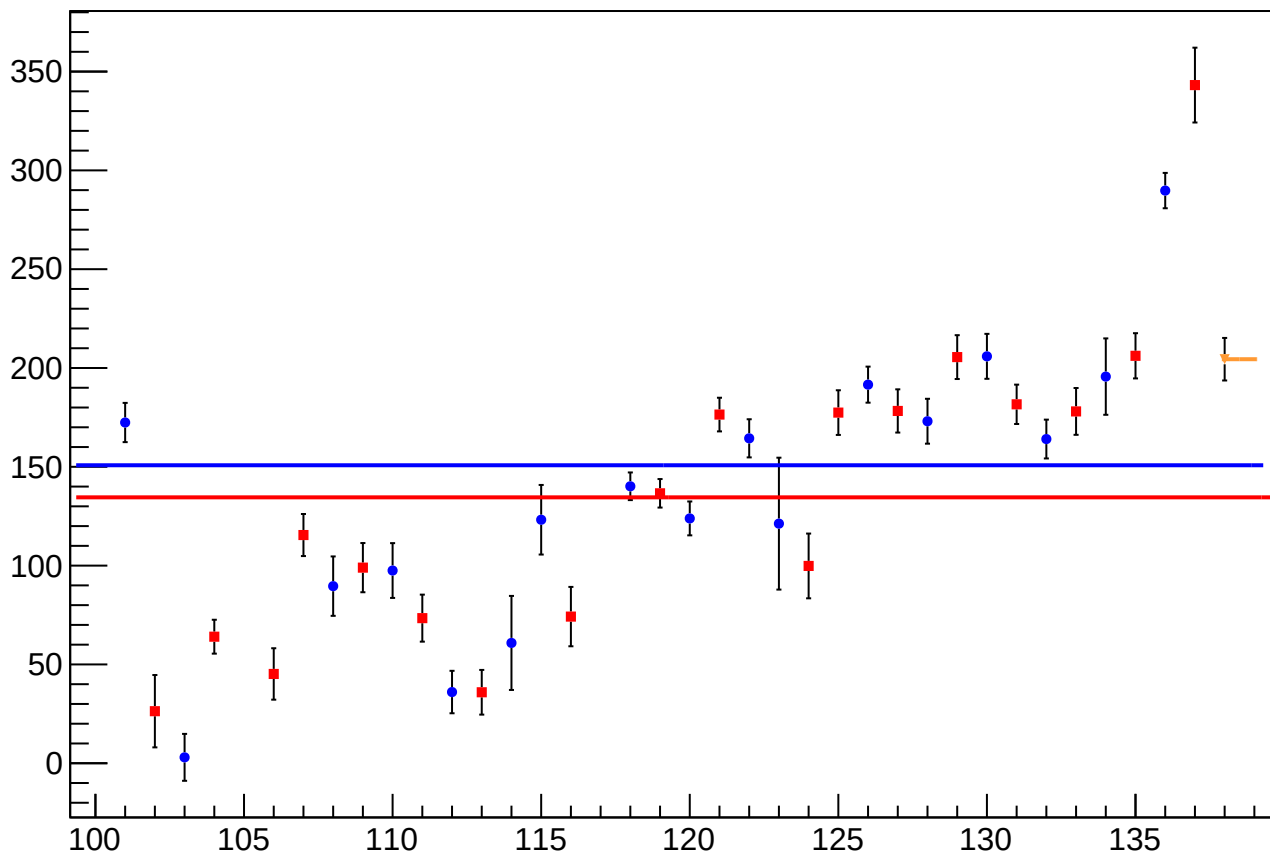
+ sign 567.726+/-3.991  $\chi^2/\text{NDF}$ : 2274.6/17

All: 569.393+/-2.877  $\chi^2/\text{NDF}$ : 4955.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $150.785 \pm 2.679$   $\chi^2/\text{NDF}$ : 633.1/16

Left Out:  $204.447 \pm 10.767$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $134.549 \pm 2.619$   $\chi^2/\text{NDF}$ : 576.2/17

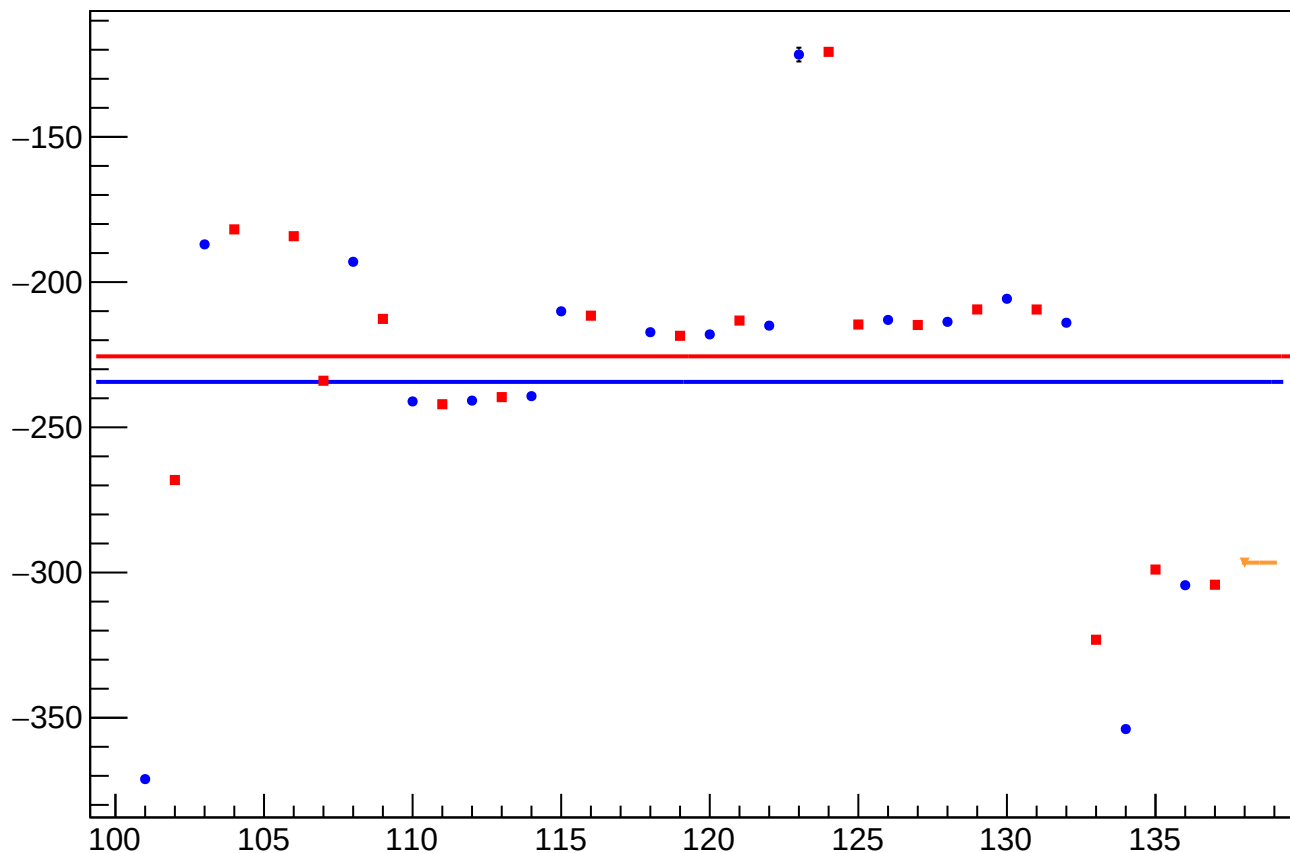
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $153.915 \pm 2.600$   $\chi^2/\text{NDF}$ : 656.5/17

All:  $144.303 \pm 1.845$   $\chi^2/\text{NDF}$ : 1260.3/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-234.360 \pm 0.148$   $\chi^2/\text{NDF}: 145159.1/16$

Left Out:  $-296.585 \pm 0.410$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-225.561 \pm 0.142$   $\chi^2/\text{NDF}: 92955.0/17$

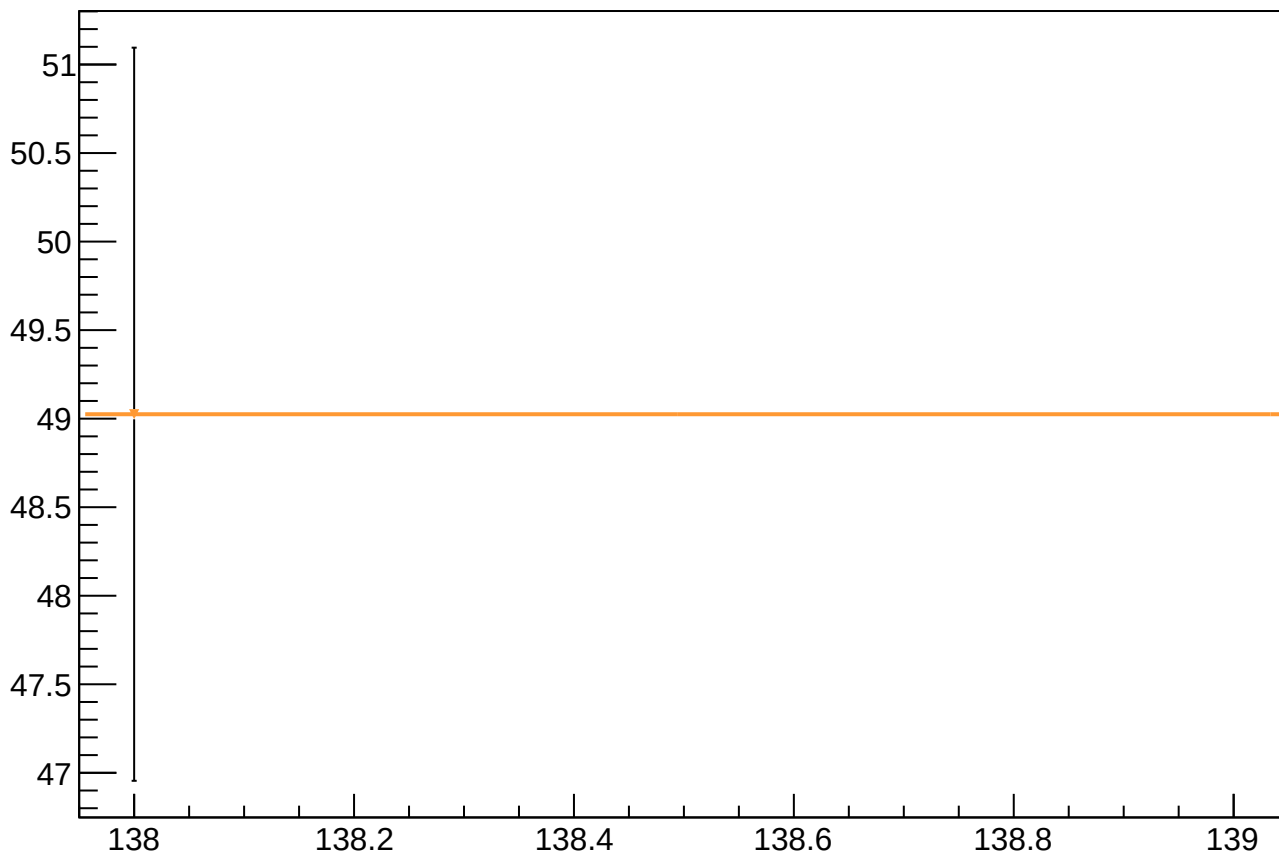
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-241.561 \pm 0.140$   $\chi^2/\text{NDF}: 165484.8/17$

All:  $-233.692 \pm 0.100$   $\chi^2/\text{NDF}: 264898.2/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_at2\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 49.025 $\pm$ 2.070  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

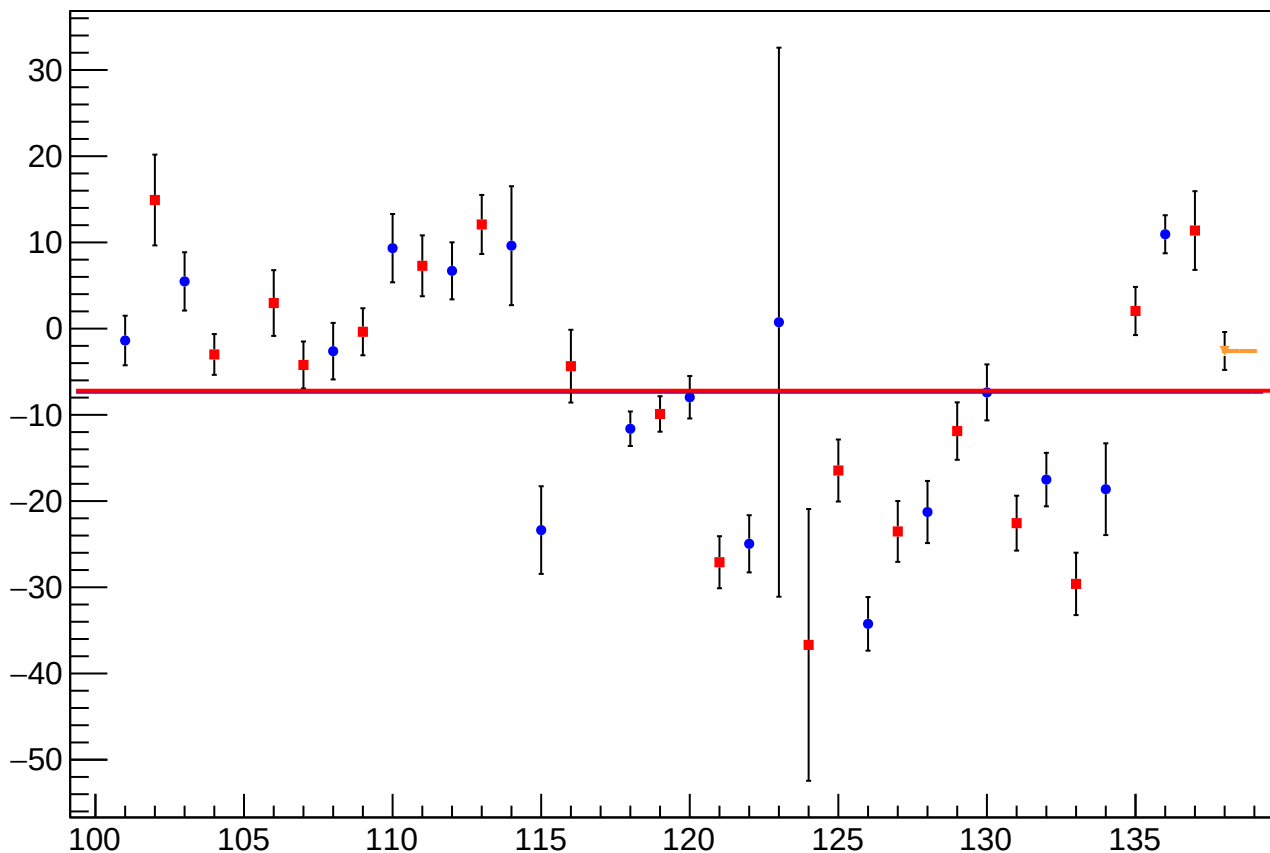
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 49.025 $\pm$ 2.070  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-7.313 \pm 0.780$   $\chi^2/\text{NDF}: 279.1/16$

Left Out:  $-2.591 \pm 2.198$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-7.202 \pm 0.762$   $\chi^2/\text{NDF}: 252.1/17$

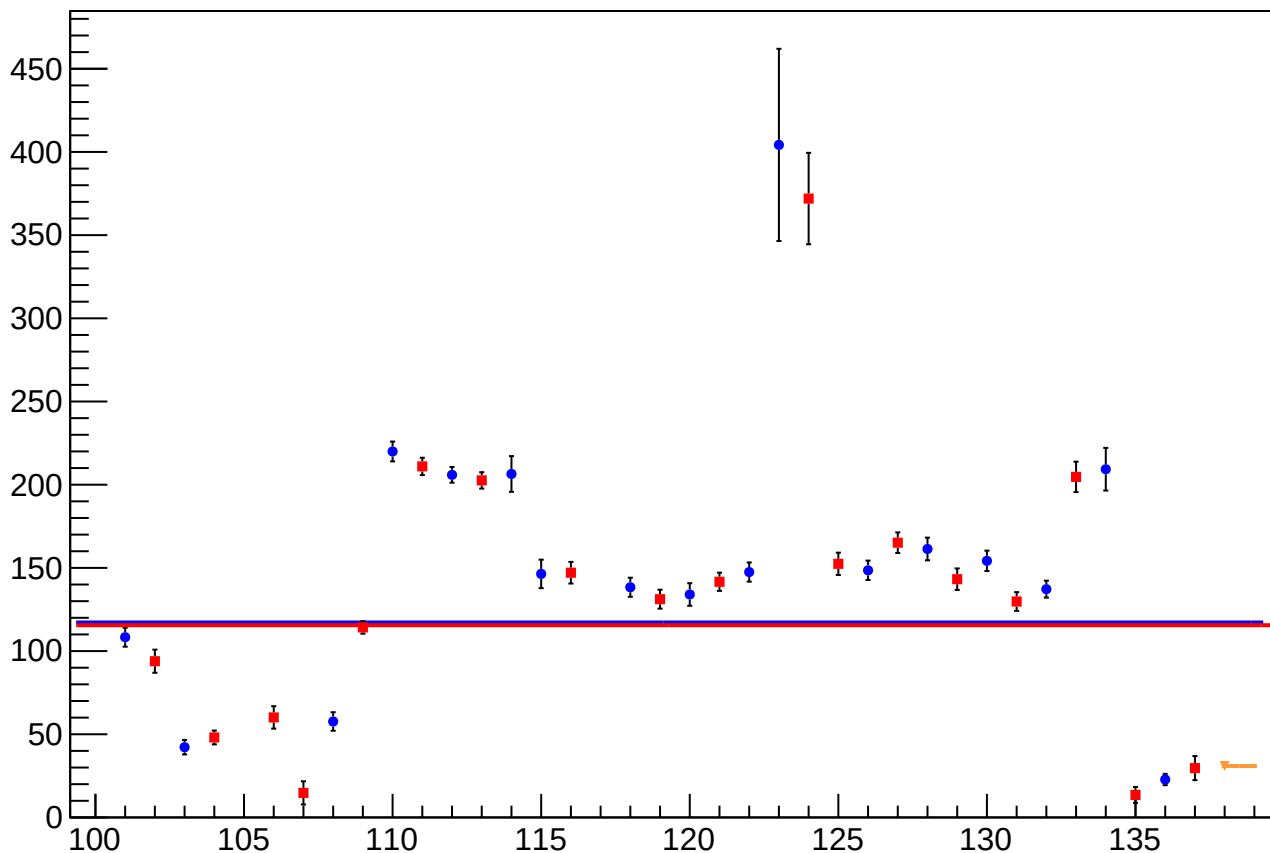
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-6.785 \pm 0.735$   $\chi^2/\text{NDF}: 283.2/17$

All:  $-6.986 \pm 0.529$   $\chi^2/\text{NDF}: 535.4/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 117.177+/-1.411  $\chi^2/\text{NDF}$ : 2159.6/16

Left Out: 30.896+/-2.245  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 115.556+/-1.363  $\chi^2/\text{NDF}$ : 2149.2/17

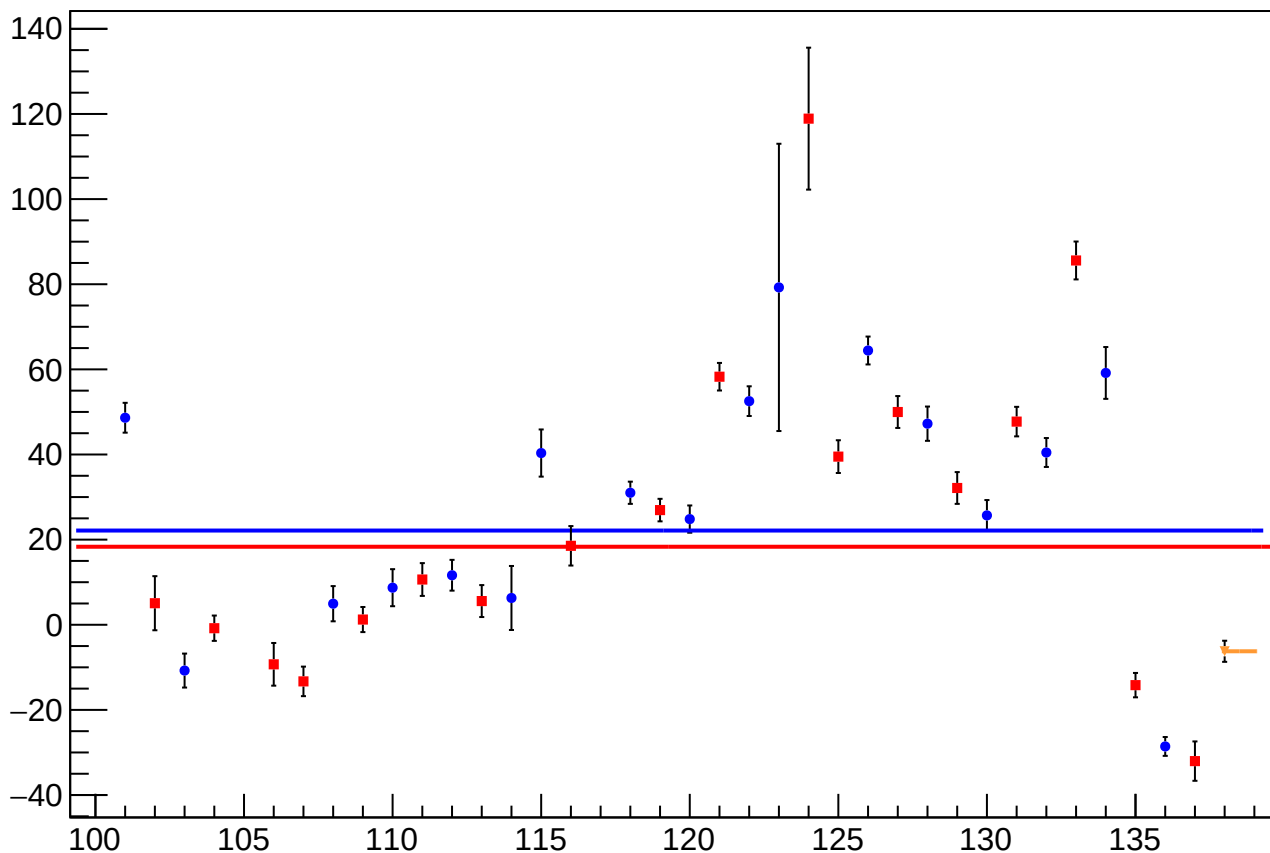
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 92.741+/-1.195  $\chi^2/\text{NDF}$ : 3218.0/17

All: 102.654+/-0.899  $\chi^2/\text{NDF}$ : 5525.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 22.136 $\pm$ 0.891  $\chi^2$ /NDF: 1064.1/16

Left Out: -6.229 $\pm$ 2.479  $\chi^2$ /NDF:0.0/0

Right Out: 18.331 $\pm$ 0.872  $\chi^2$ /NDF: 1070.4/17

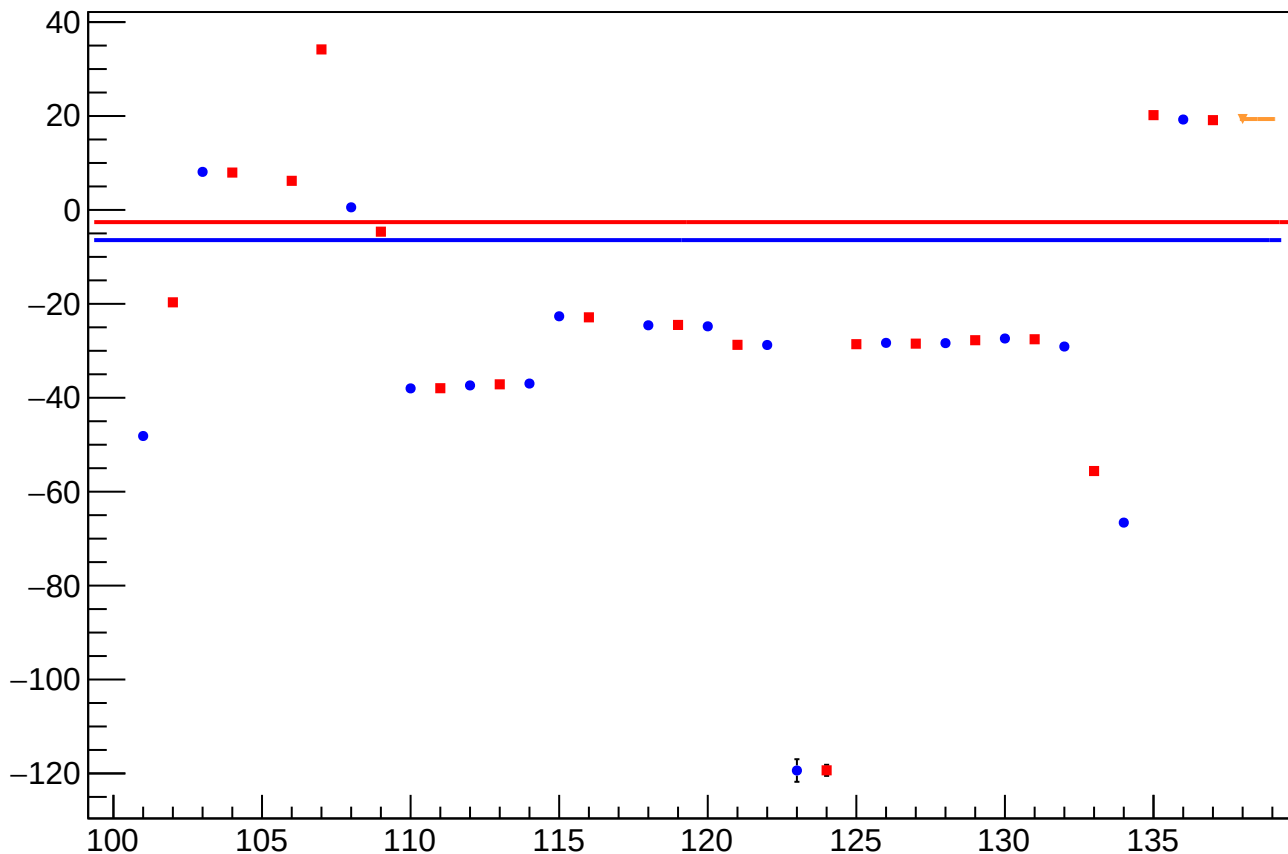
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 18.891 $\pm$ 0.839  $\chi^2$ /NDF: 1180.0/17

All: 18.622 $\pm$ 0.604  $\chi^2$ /NDF: 2250.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-6.428 \pm 0.046$   $\chi^2/\text{NDF}$ : 265170.6/16

Left Out:  $19.357 \pm 0.087$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.597 \pm 0.046$   $\chi^2/\text{NDF}$ : 263579.4/17

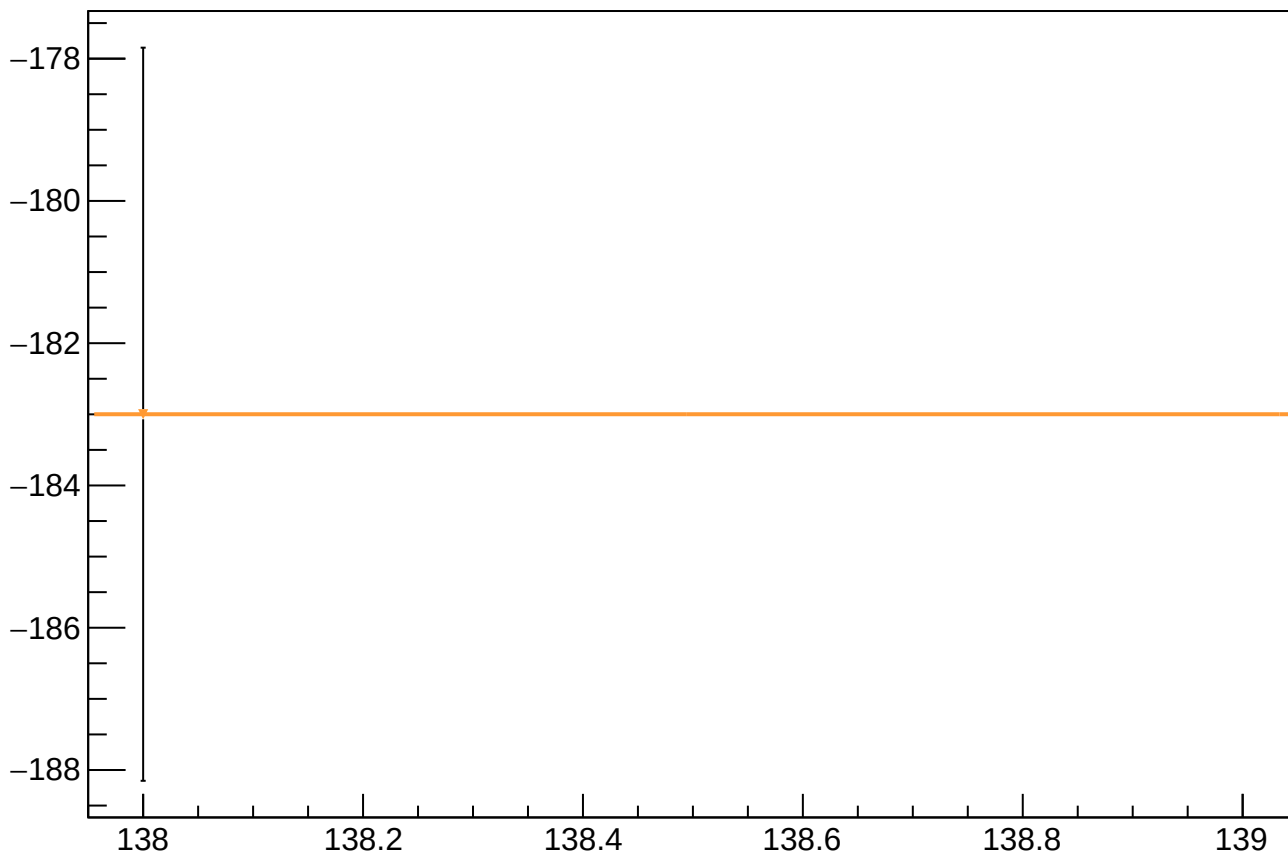
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.803 \pm 0.041$   $\chi^2/\text{NDF}$ : 333082.9/17

All:  $-1.599 \pm 0.030$   $\chi^2/\text{NDF}$ : 597517.5/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1r2\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -182.999+/-5.153  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

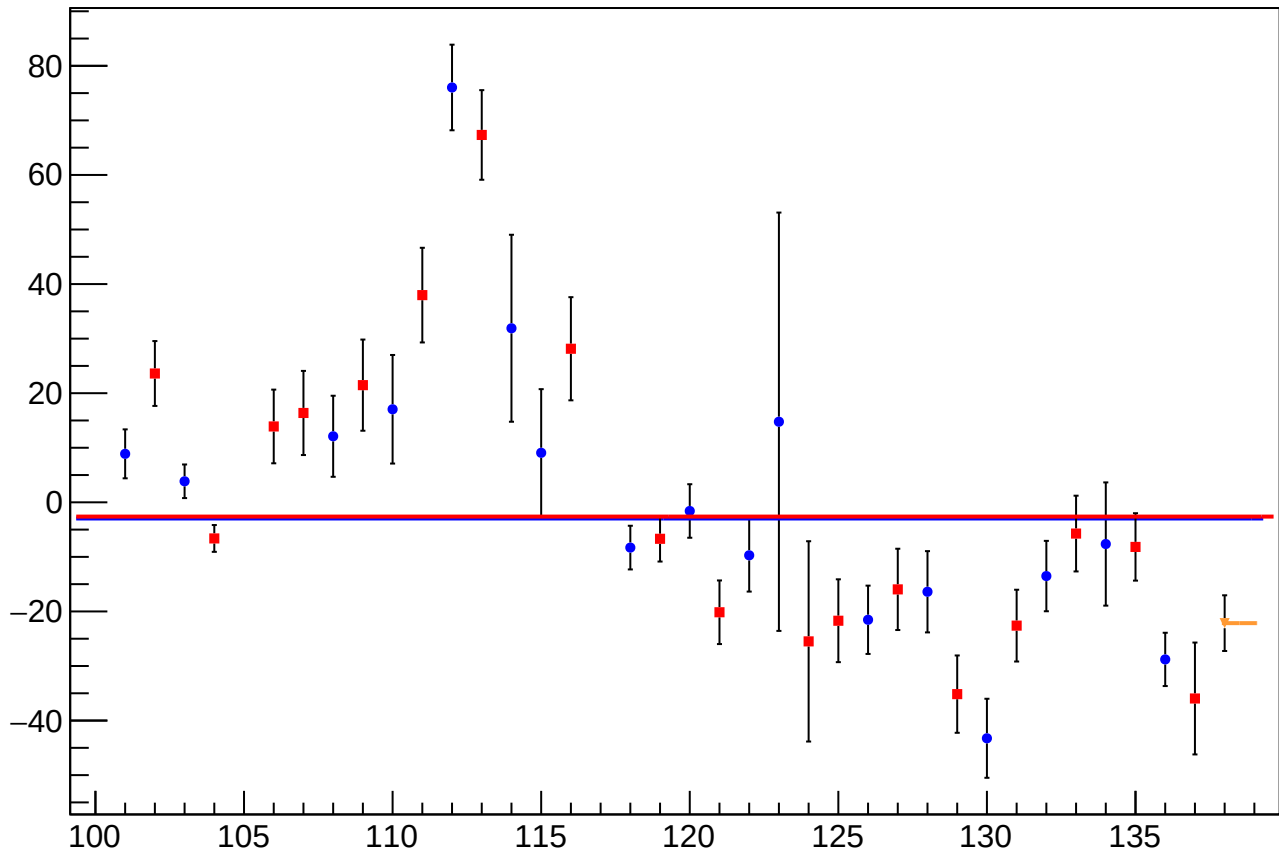
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -182.999+/-5.153  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: -2.964+/-1.452  $\chi^2$ /NDF: 203.5/16

Left Out: -22.144+/-5.103  $\chi^2$ /NDF: 0.0/0

Right Out: -2.615+/-1.399  $\chi^2$ /NDF: 210.5/17

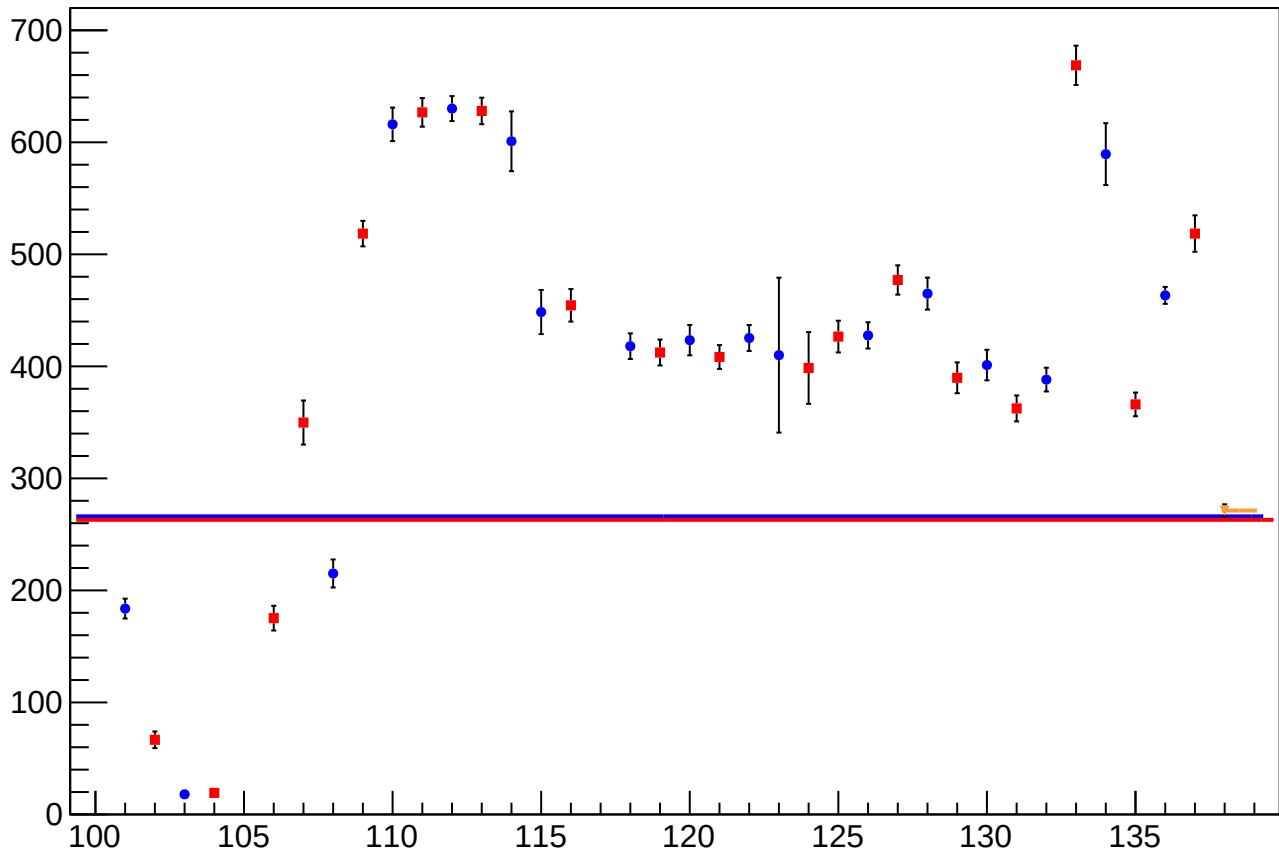
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign -4.401+/-1.397  $\chi^2$ /NDF: 216.6/17

All: -3.510+/-0.988  $\chi^2$ /NDF: 427.9/35

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 266.111+/-2.480  $\chi^2/\text{NDF}$ : 7644.0/16

Left Out: 271.272+/-5.586  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 263.003+/-2.467  $\chi^2/\text{NDF}$ : 8172.0/17

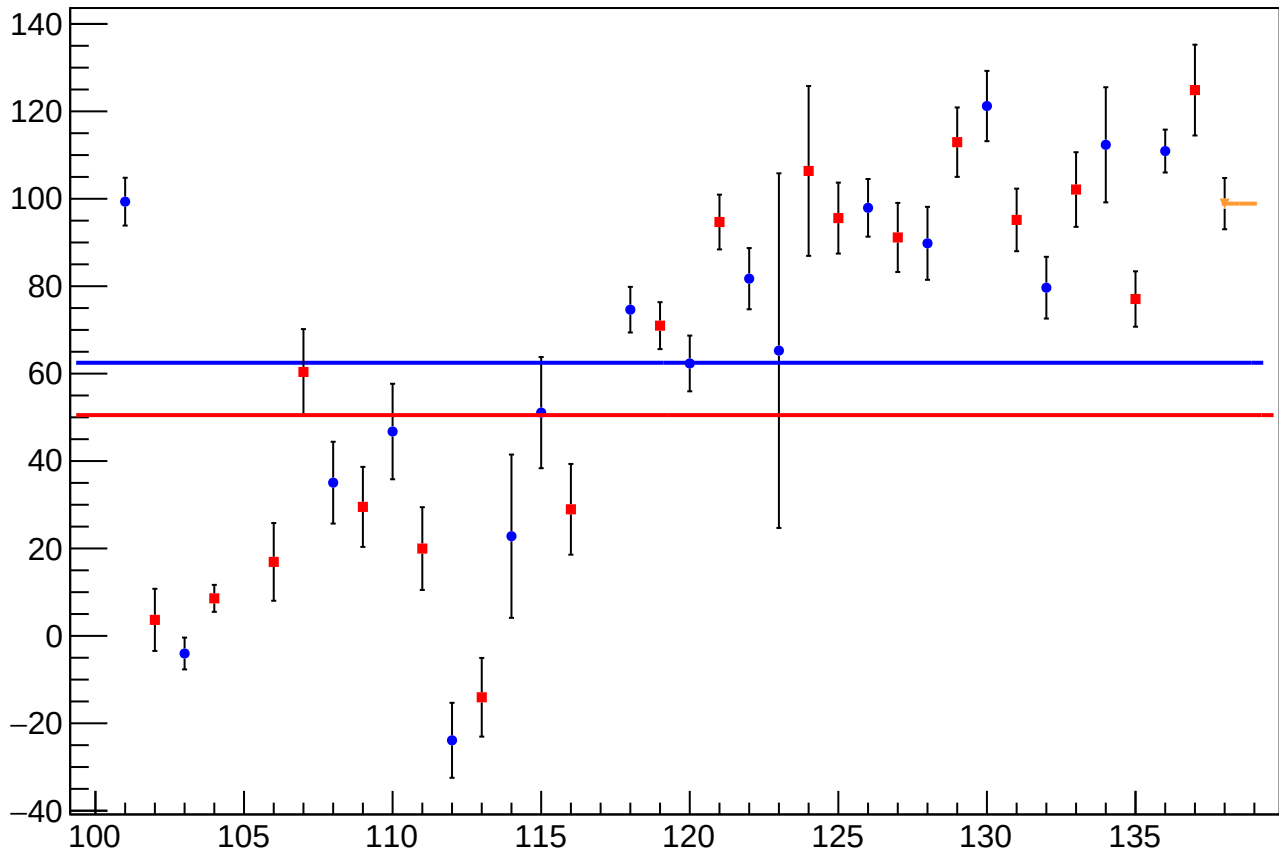
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 266.961+/-2.267  $\chi^2/\text{NDF}$ : 7644.7/17

All: 265.149+/-1.669  $\chi^2/\text{NDF}$ : 15818.1/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 62.485 $\pm$ 1.681  $\chi^2$ /NDF: 720.8/16

Left Out: 98.895 $\pm$ 5.869  $\chi^2$ /NDF: 0.0/0

Right Out: 50.506 $\pm$ 1.644  $\chi^2$ /NDF: 650.6/17

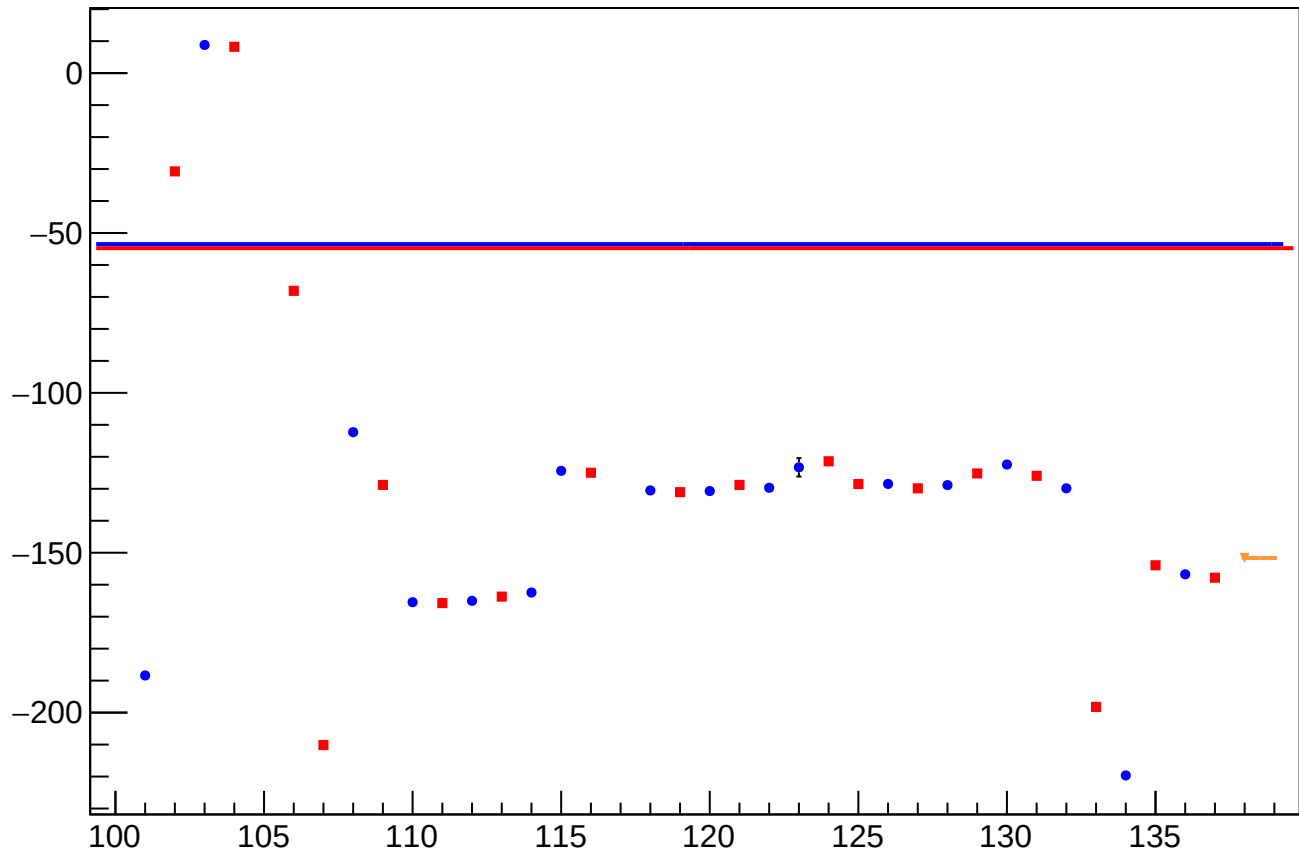
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 65.246 $\pm$ 1.616  $\chi^2$ /NDF: 756.3/17

All: 58.004 $\pm$ 1.153  $\chi^2$ /NDF: 1447.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -53.481+/-0.070  $\chi^2/\text{NDF}$ : 1228730.5/16

Left Out: -151.636+/-0.222  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -54.748+/-0.072  $\chi^2/\text{NDF}$ : 952446.3/17

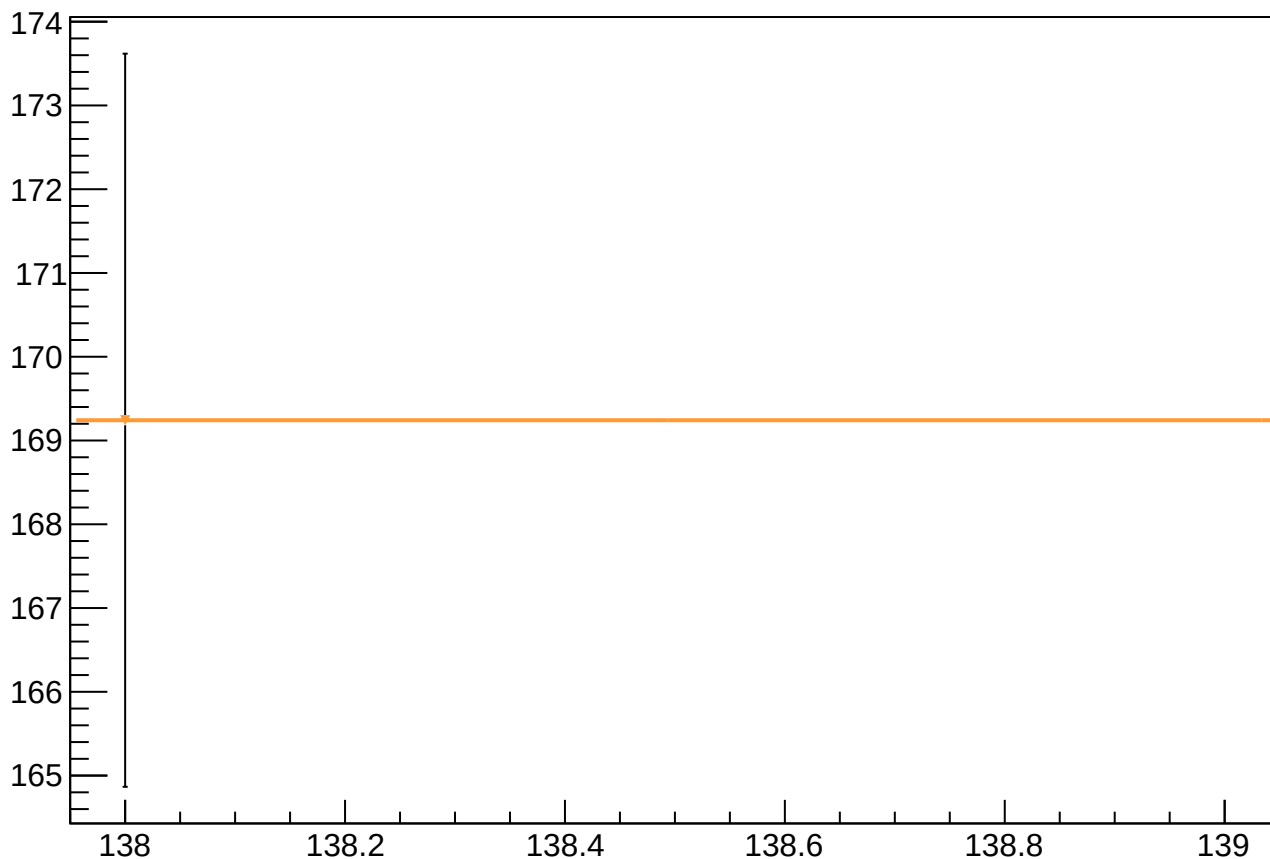
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -62.456+/-0.067  $\chi^2/\text{NDF}$ : 1406937.1/17

All: -58.885+/-0.049  $\chi^2/\text{NDF}$ : 2365511.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1r2\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $169.242 \pm 4.376$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

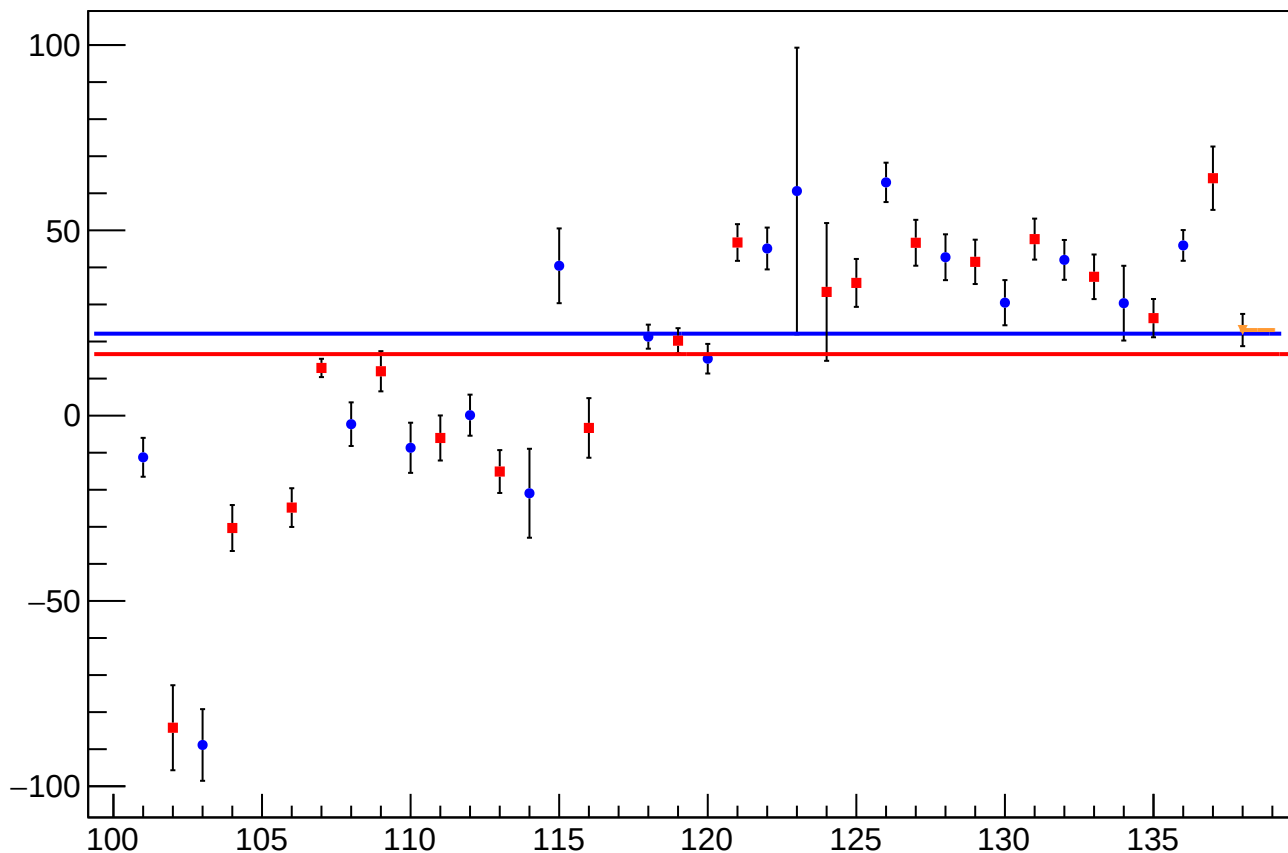
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $169.242 \pm 4.376$   $\chi^2/\text{NDF}: 0.0/0$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 22.119 $\pm$ 1.376  $\chi^2$ /NDF: 382.0/16

Left Out: 23.097 $\pm$ 4.349  $\chi^2$ /NDF: 0.0/0

Right Out: 16.602 $\pm$ 1.229  $\chi^2$ /NDF: 416.8/17

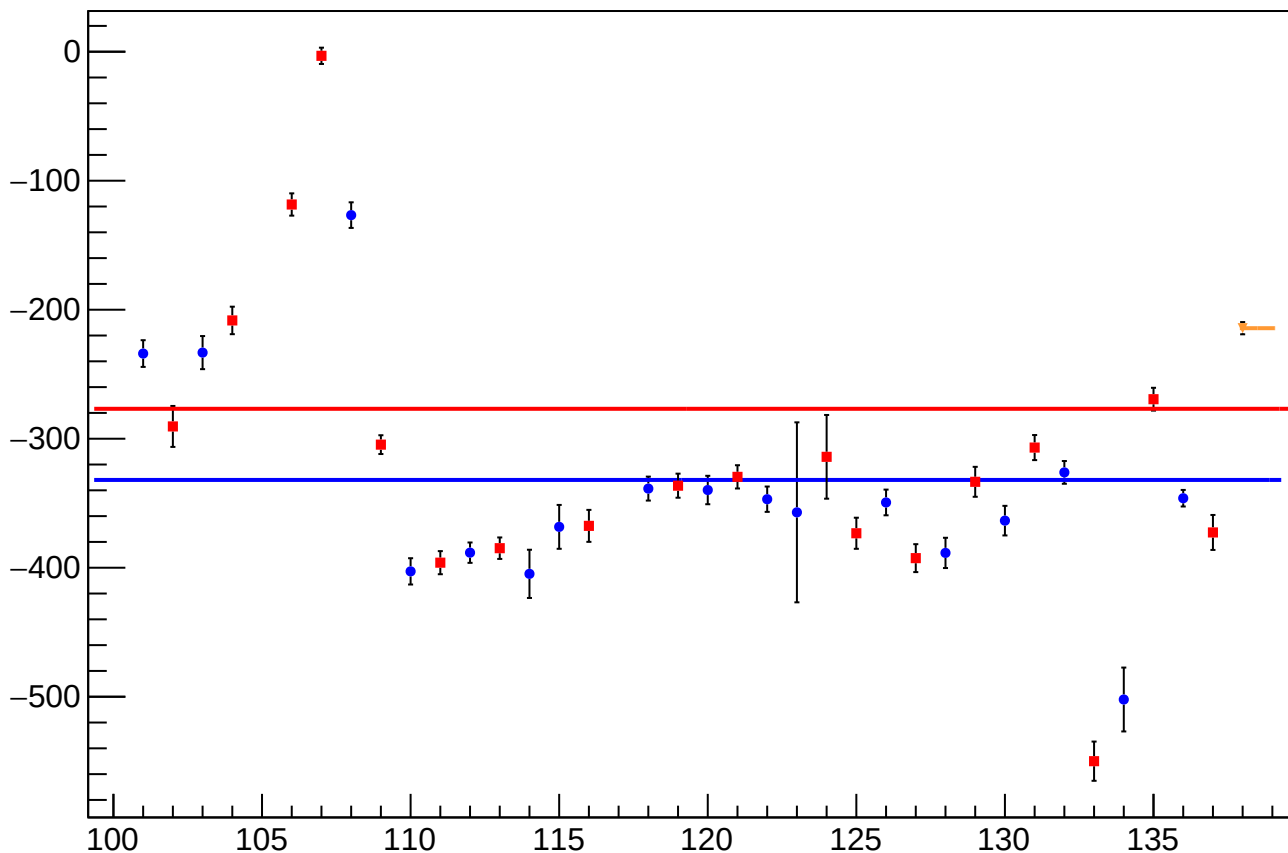
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 22.208 $\pm$ 1.312  $\chi^2$ /NDF: 382.0/17

All: 19.222 $\pm$ 0.897  $\chi^2$ /NDF: 808.6/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-331.952 \pm 2.567$   $\chi^2/\text{NDF}$ : 785.6/16

Left Out:  $-214.323 \pm 4.744$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-276.804 \pm 2.329$   $\chi^2/\text{NDF}$ : 3330.4/17

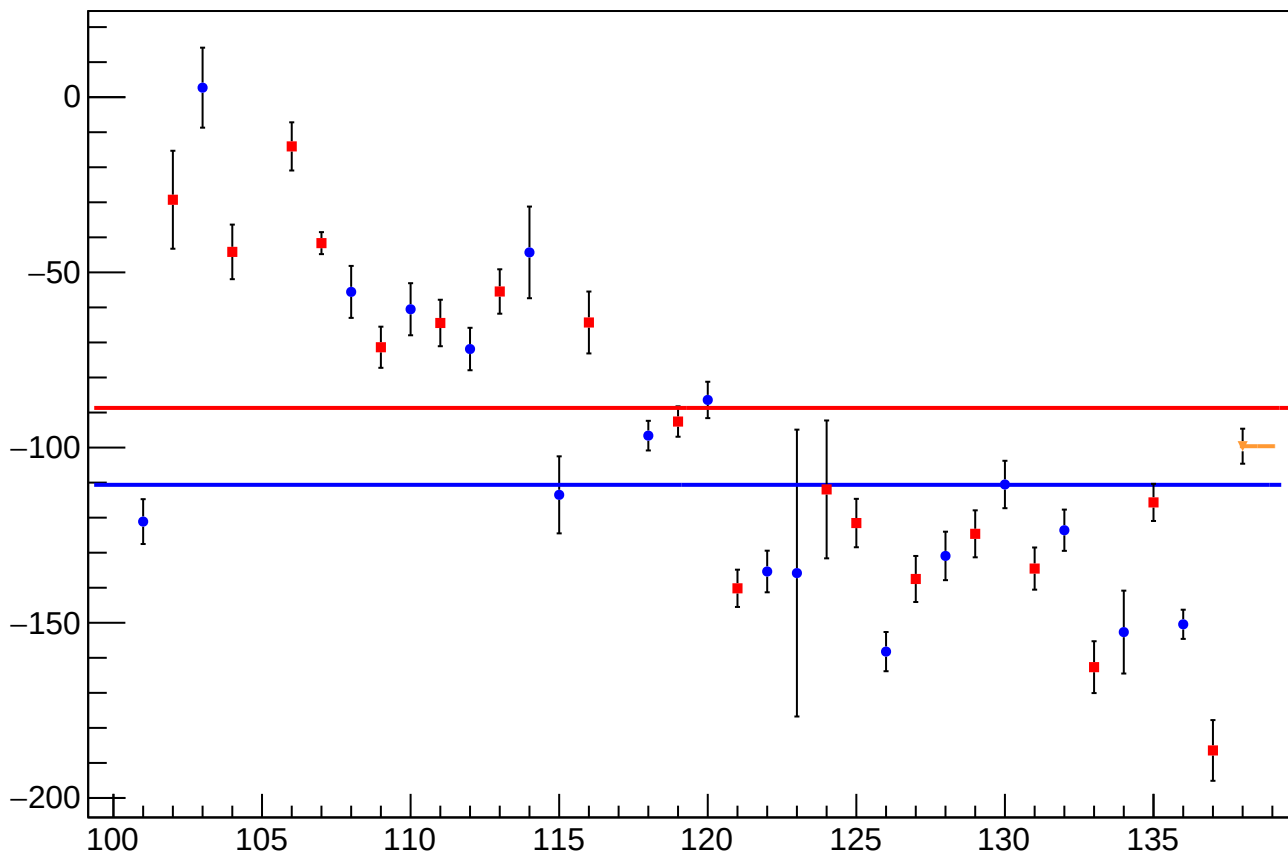
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-305.309 \pm 2.258$   $\chi^2/\text{NDF}$ : 1261.1/17

All:  $-291.501 \pm 1.621$   $\chi^2/\text{NDF}$ : 4668.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-110.633 \pm 1.581$   $\chi^2/\text{NDF}$ : 508.9/16

Left Out:  $-99.612 \pm 4.995$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-88.683 \pm 1.434$   $\chi^2/\text{NDF}$ : 964.0/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

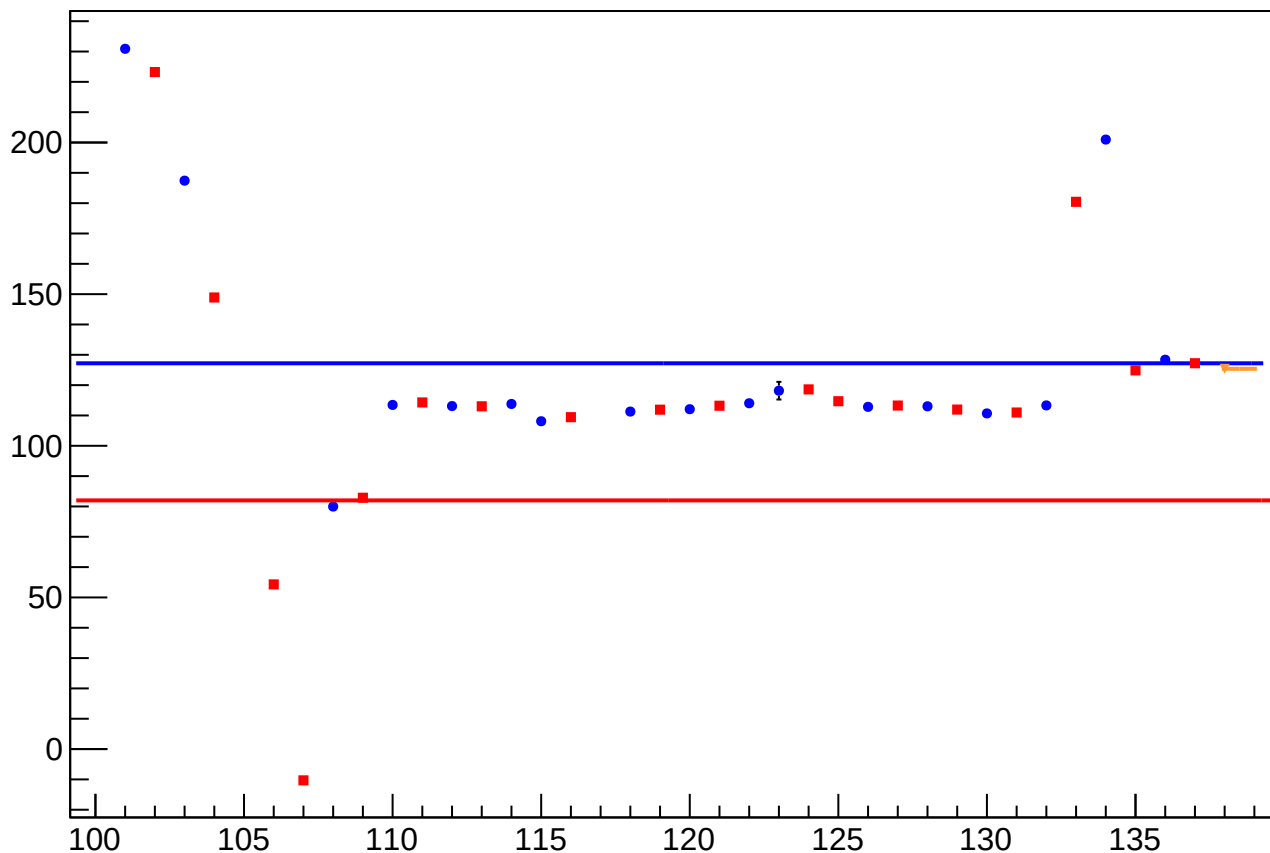
+ sign  $-109.629 \pm 1.507$   $\chi^2/\text{NDF}$ : 513.3/17

All:  $-98.637 \pm 1.039$   $\chi^2/\text{NDF}$ : 1578.6/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl1r2\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 127.205 $\pm$ 0.089  $\chi^2$ /NDF: 188026.3/16

Left Out: 125.377 $\pm$ 0.188  $\chi^2$ /NDF: 0.0/0

Right Out: 81.994 $\pm$ 0.075  $\chi^2$ /NDF: 749824.5/17

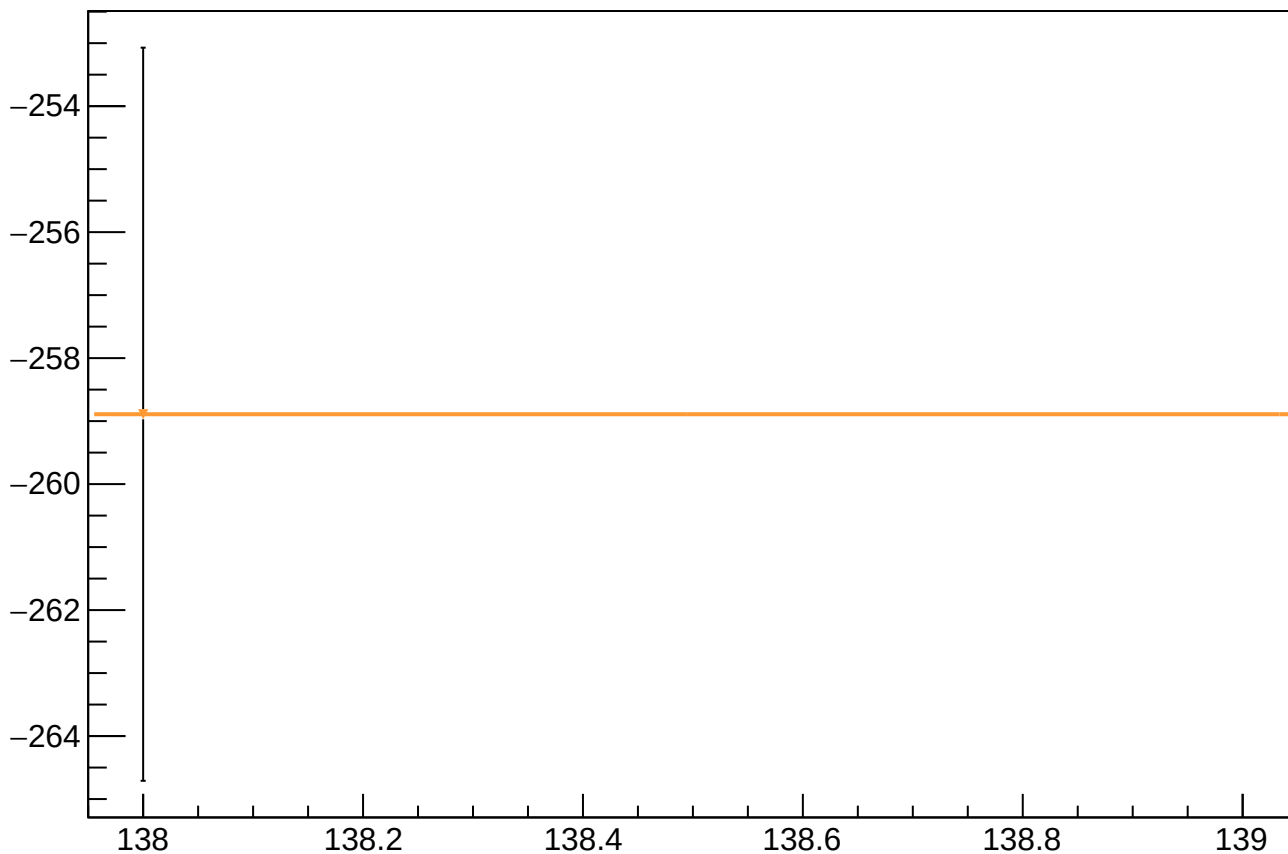
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 126.869 $\pm$ 0.081  $\chi^2$ /NDF: 188103.4/17

All: 102.979 $\pm$ 0.055  $\chi^2$ /NDF: 1103200.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -258.891+/-5.819  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

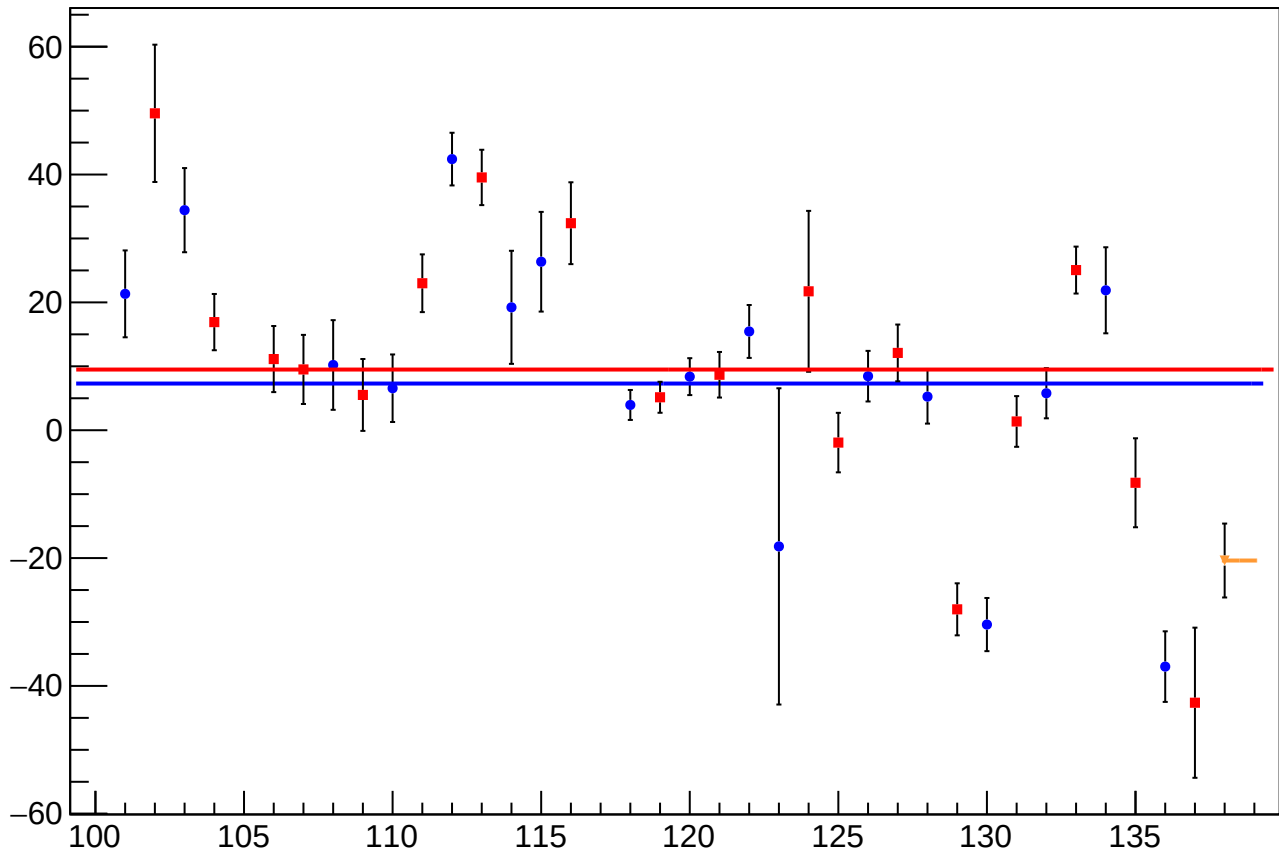
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -258.891+/-5.819  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 7.303 $\pm$ 1.086  $\chi^2$ /NDF: 260.6/16

Left Out: -20.385 $\pm$ 5.782  $\chi^2$ /NDF:0.0/0

Right Out: 9.493 $\pm$ 1.073  $\chi^2$ /NDF: 231.1/17

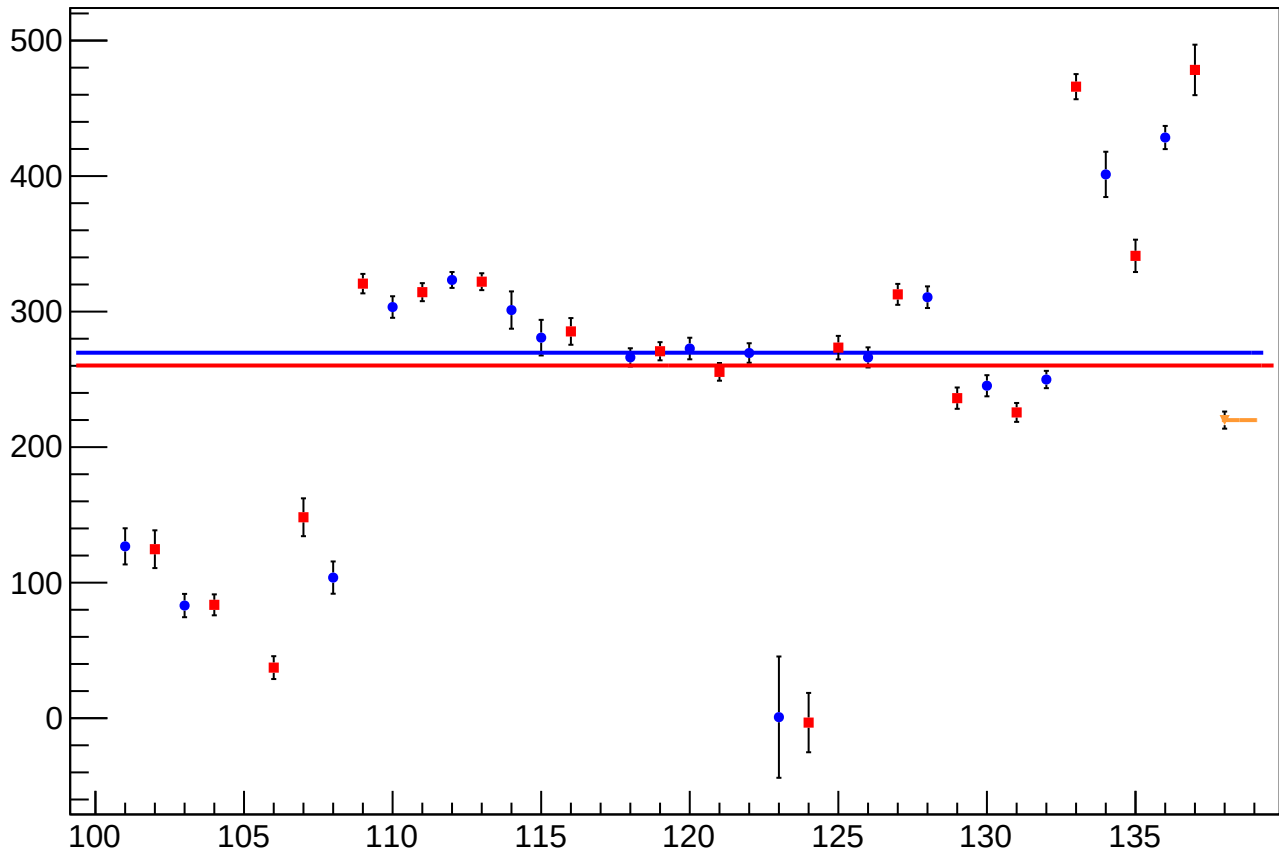
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 6.360 $\pm$ 1.067  $\chi^2$ /NDF: 282.8/17

All: 7.917 $\pm$ 0.757  $\chi^2$ /NDF: 518.2/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 269.664 $\pm$ 2.076  $\chi^2$ /NDF: 1376.6/16

Left Out: 219.939 $\pm$ 6.308  $\chi^2$ /NDF: 0.0/0

Right Out: 260.226 $\pm$ 1.979  $\chi^2$ /NDF: 2528.0/17

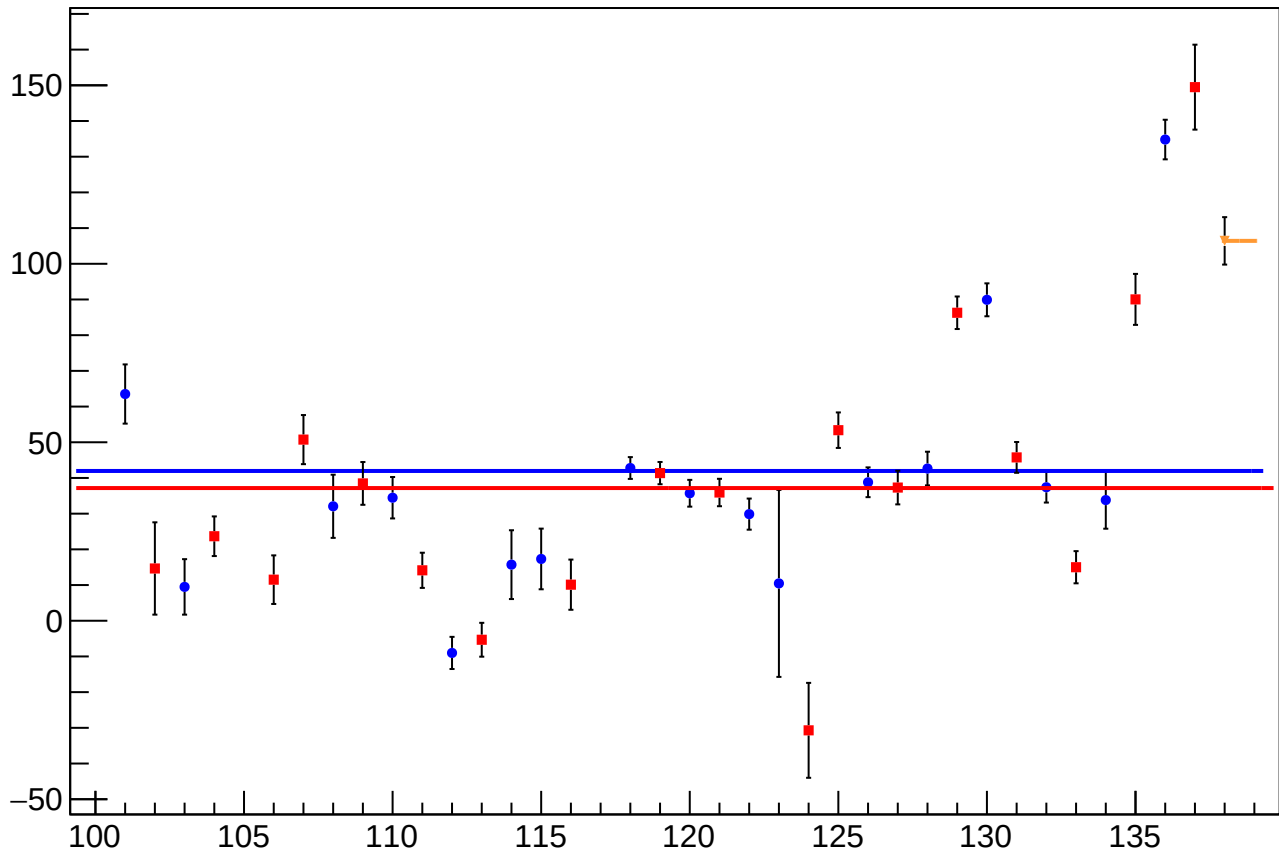
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 264.805 $\pm$ 1.972  $\chi^2$ /NDF: 1432.7/17

All: 262.524 $\pm$ 1.397  $\chi^2$ /NDF: 3963.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 41.959 $\pm$ 1.258  $\chi^2$ /NDF: 574.2/16

Left Out: 106.420 $\pm$ 6.645  $\chi^2$ /NDF: 0.0/0

Right Out: 37.171 $\pm$ 1.236  $\chi^2$ /NDF: 470.9/17

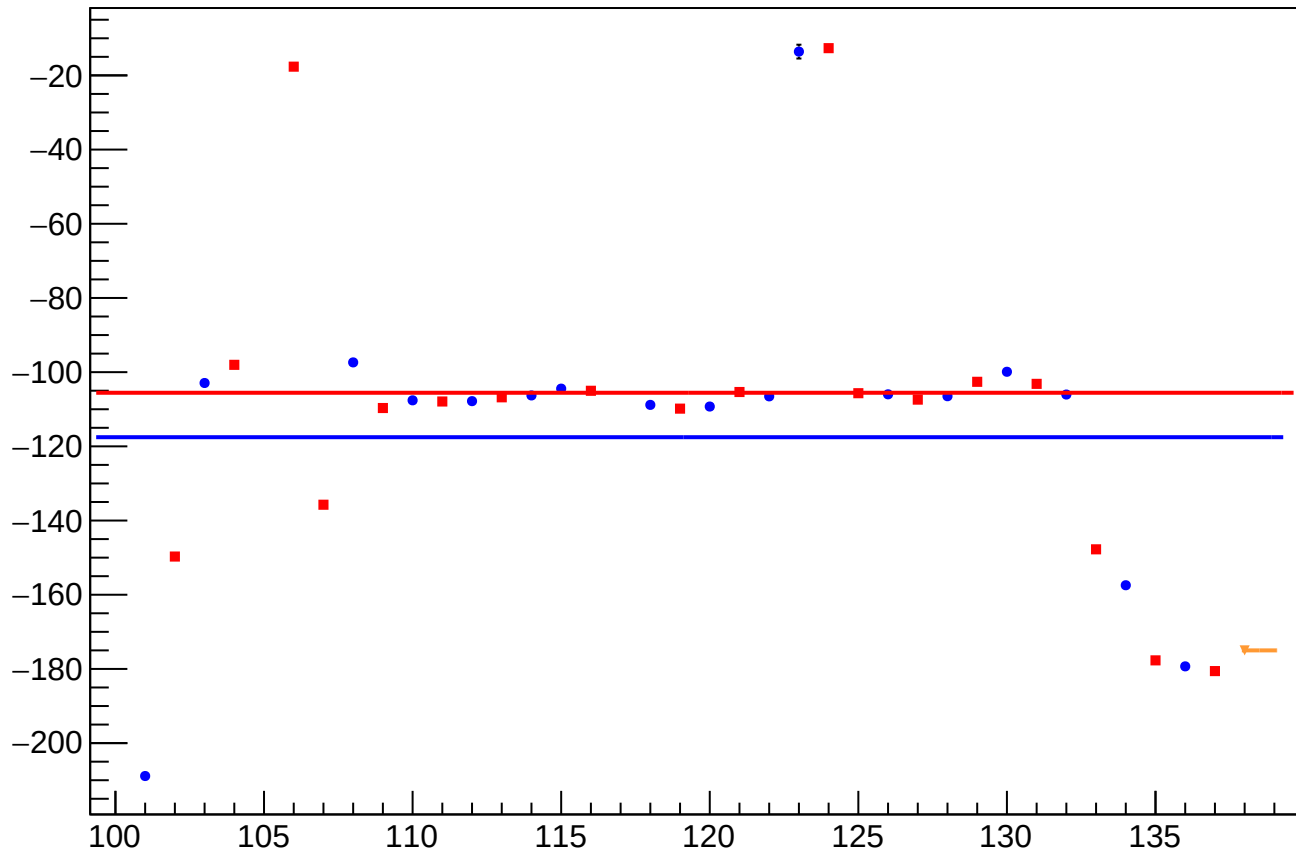
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 44.190 $\pm$ 1.236  $\chi^2$ /NDF: 665.1/17

All: 40.680 $\pm$ 0.874  $\chi^2$ /NDF: 1152.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -117.533+/-0.078  $\chi^2/\text{NDF}$ : 142039.8/16

Left Out: -175.003+/-0.250  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -105.555+/-0.073  $\chi^2/\text{NDF}$ : 317428.5/17

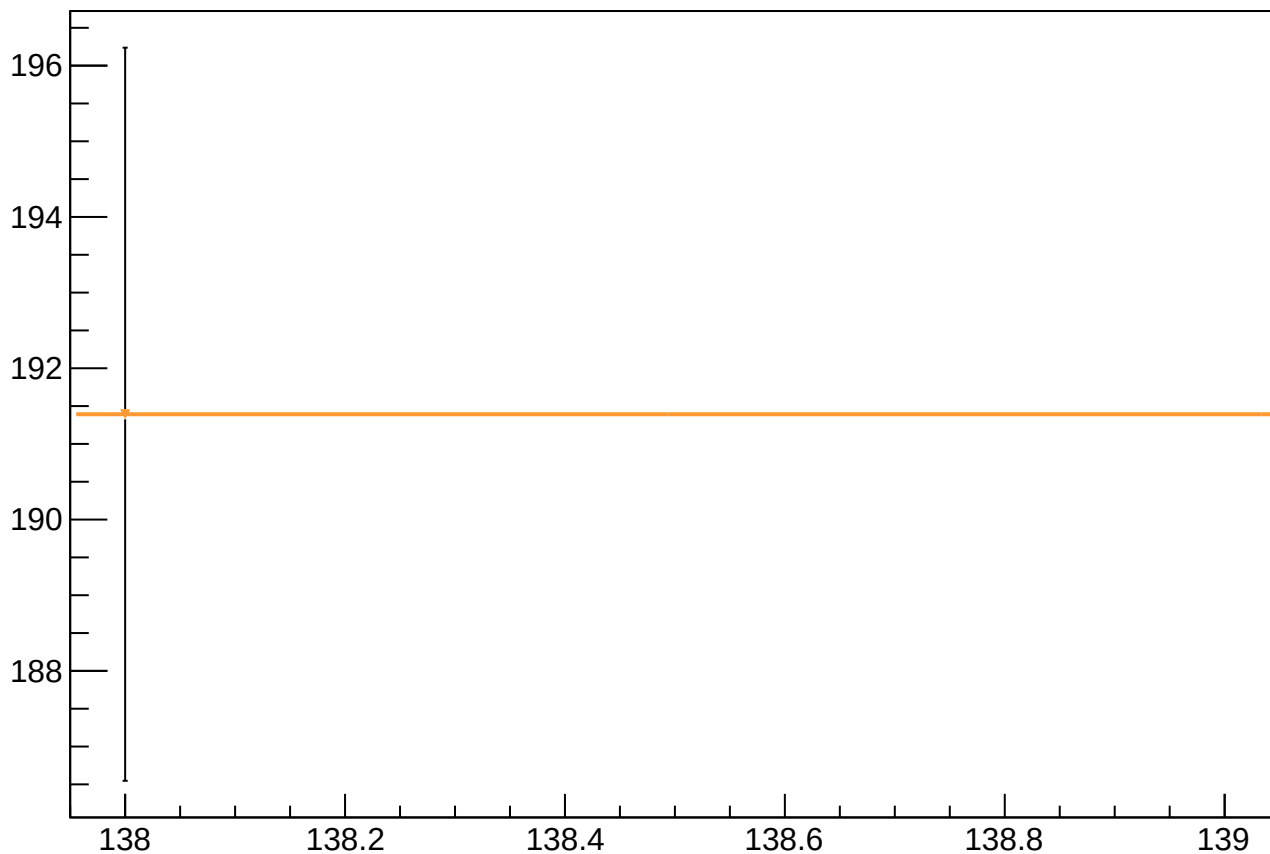
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -122.637+/-0.075  $\chi^2/\text{NDF}$ : 190096.9/17

All: -113.899+/-0.052  $\chi^2/\text{NDF}$ : 534367.2/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1l2\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 191.392 $\pm$ 4.845  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

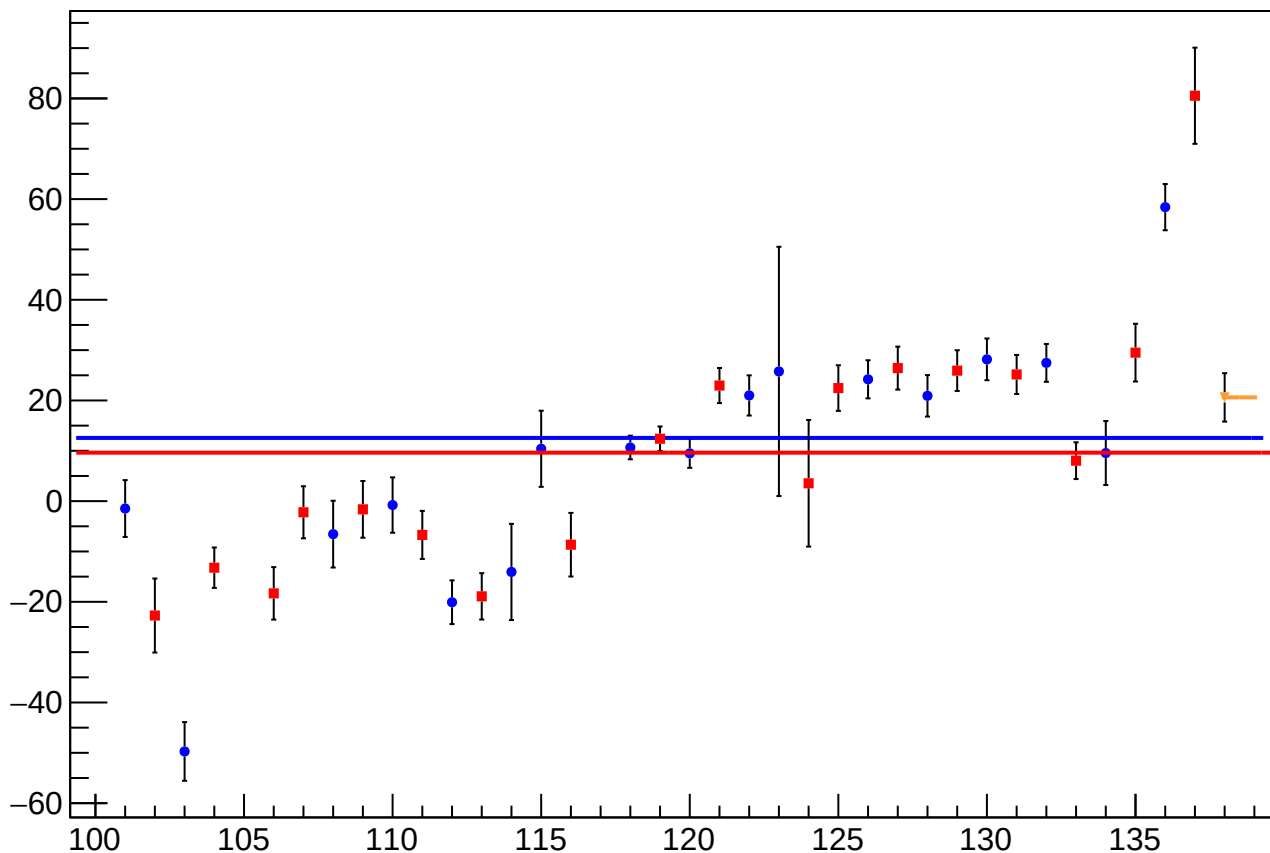
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 191.392 $\pm$ 4.845  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 12.559 $\pm$ 1.057  $\chi^2$ /NDF: 348.6/16

Left Out: 20.615 $\pm$ 4.809  $\chi^2$ /NDF: 0.0/0

Right Out: 9.631 $\pm$ 1.049  $\chi^2$ /NDF: 287.5/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

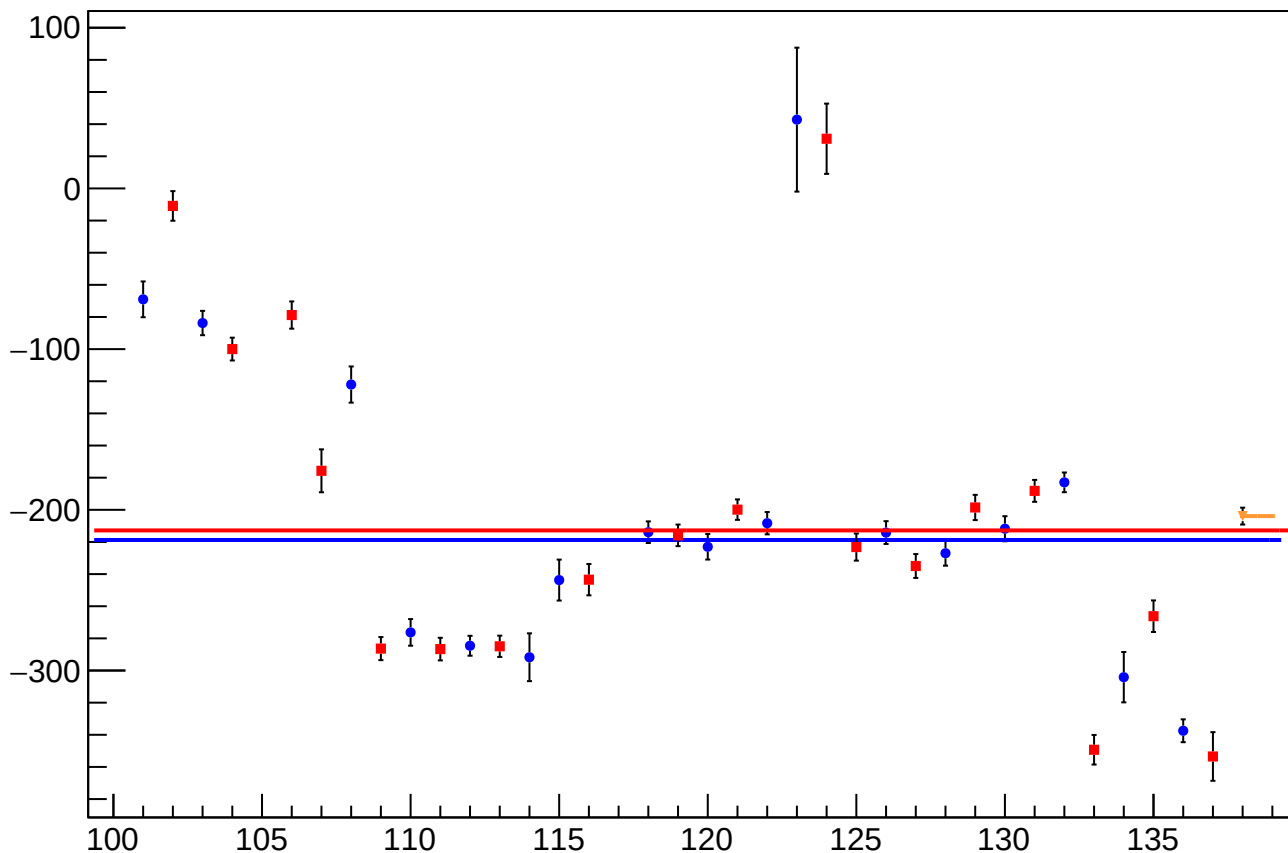
+ sign 12.930 $\pm$ 1.033  $\chi^2$ /NDF: 351.2/17

All: 11.307 $\pm$ 0.736  $\chi^2$ /NDF: 643.7/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-218.770 \pm 2.010$   $\chi^2/\text{NDF}: 1144.4/16$

Left Out:  $-203.906 \pm 5.253$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-212.817 \pm 1.926$   $\chi^2/\text{NDF}: 1824.5/17$

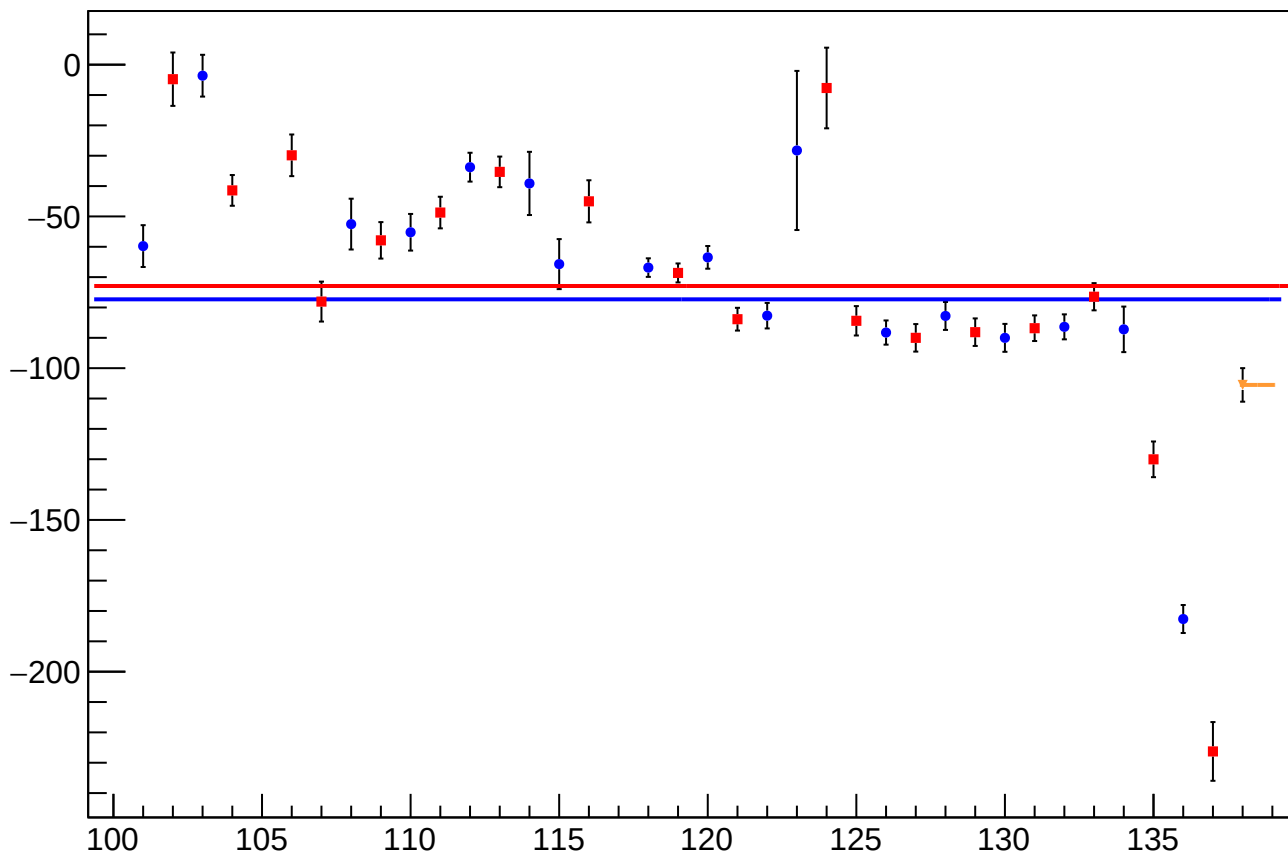
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $-216.871 \pm 1.877$   $\chi^2/\text{NDF}: 1151.4/17$

All:  $-214.896 \pm 1.344$   $\chi^2/\text{NDF}: 2978.2/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-77.319 \pm 1.222$   $\chi^2/\text{NDF}$ : 817.7/16

Left Out:  $-105.517 \pm 5.527$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-72.922 \pm 1.208$   $\chi^2/\text{NDF}$ : 660.8/17

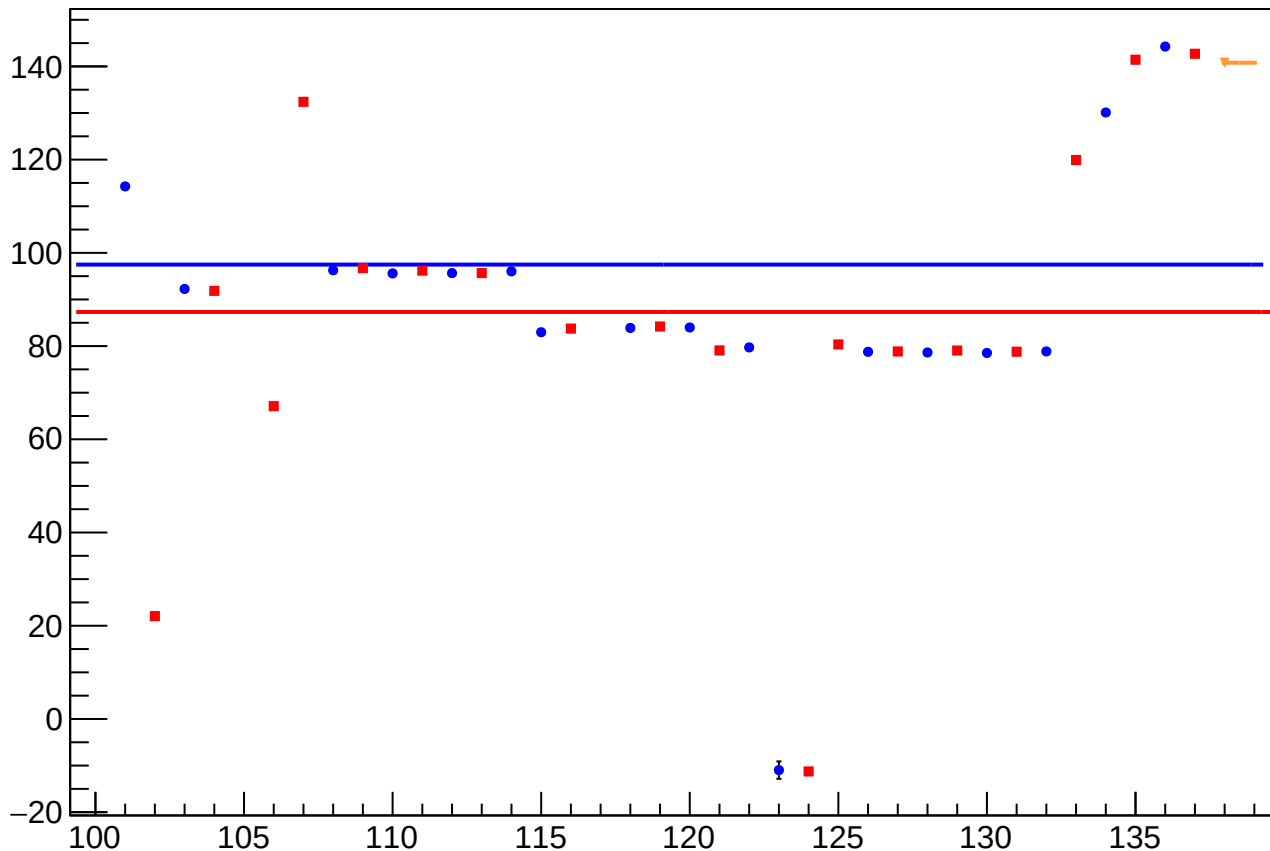
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-78.633 \pm 1.193$   $\chi^2/\text{NDF}$ : 842.5/17

All:  $-75.812 \pm 0.849$   $\chi^2/\text{NDF}$ : 1514.6/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1l2\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 97.483+/-0.073  $\chi^2/\text{NDF}$ : 94392.9/16

Left Out: 140.788+/-0.208  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 87.318+/-0.068  $\chi^2/\text{NDF}$ : 221863.6/17

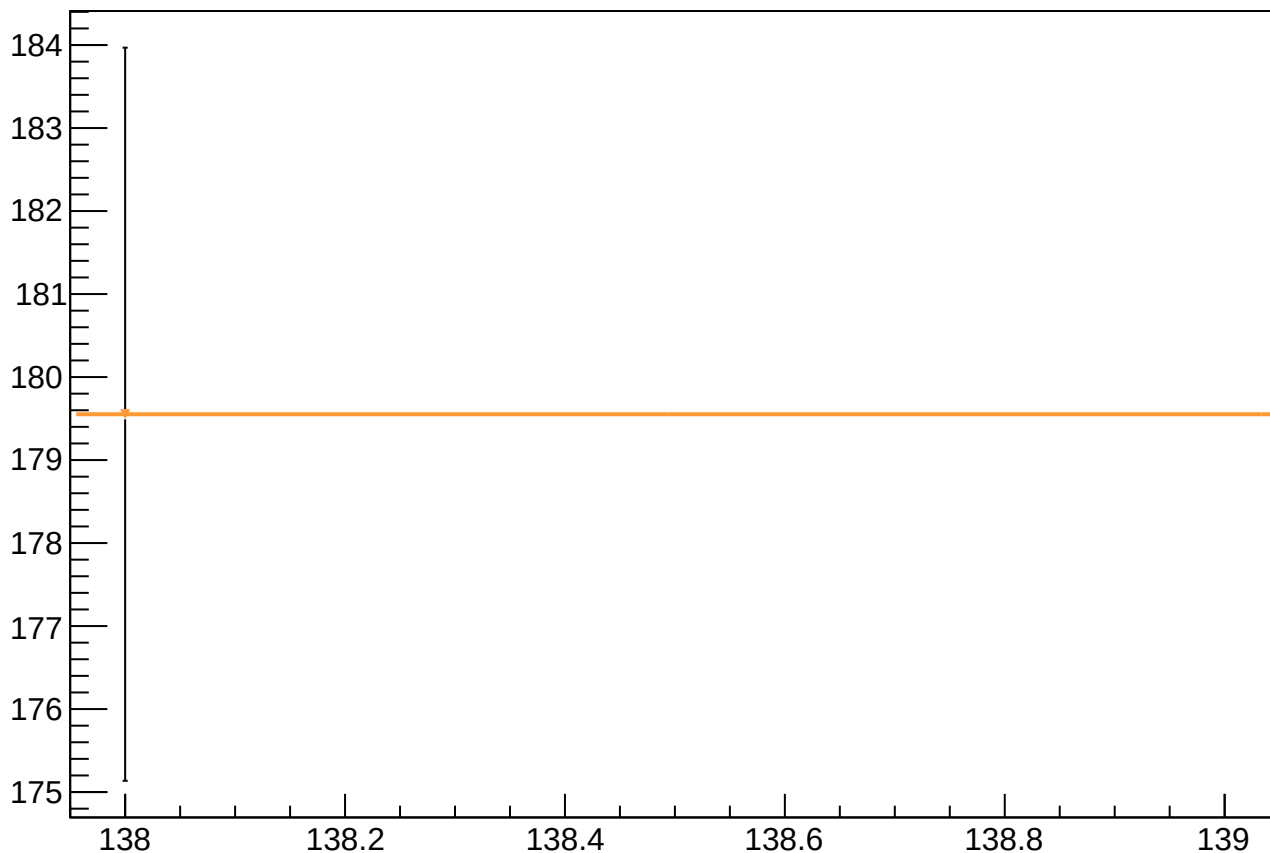
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 102.257+/-0.069  $\chi^2/\text{NDF}$ : 132798.7/17

All: 94.693+/-0.049  $\chi^2/\text{NDF}$ : 378253.4/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 179.552 $\pm$ 4.416  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

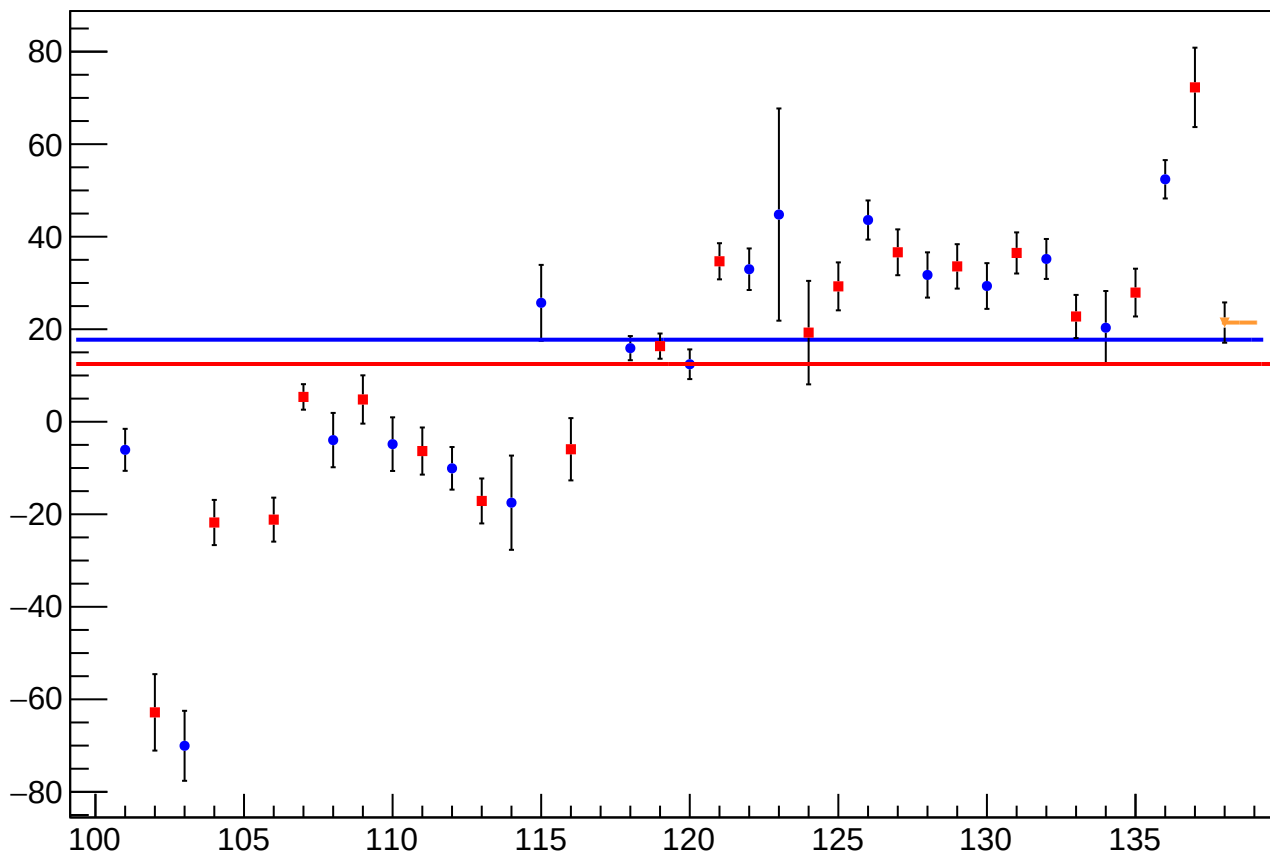
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 179.552 $\pm$ 4.416  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 17.737 $\pm$ 1.149  $\chi^2$ /NDF: 394.0/16

Left Out: 21.439 $\pm$ 4.354  $\chi^2$ /NDF: 0.0/0

Right Out: 12.484 $\pm$ 1.085  $\chi^2$ /NDF: 429.2/17

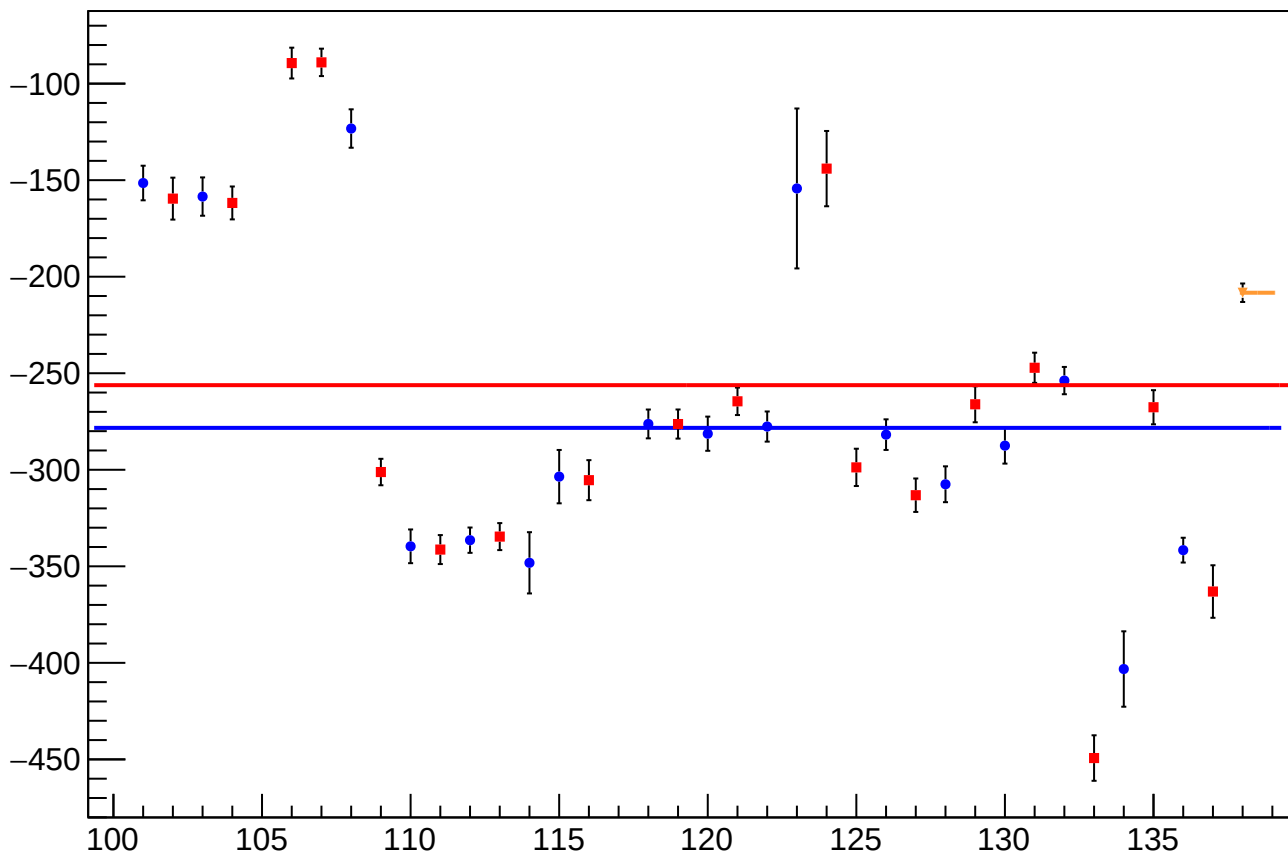
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 17.978 $\pm$ 1.111  $\chi^2$ /NDF: 394.7/17

All: 15.167 $\pm$ 0.776  $\chi^2$ /NDF: 836.4/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -278.294 $\pm$ 2.172  $\chi^2$ /NDF: 910.0/16

Left Out: -208.304 $\pm$ 4.787  $\chi^2$ /NDF:0.0/0

Right Out: -256.177 $\pm$ 2.025  $\chi^2$ /NDF: 1952.2/17

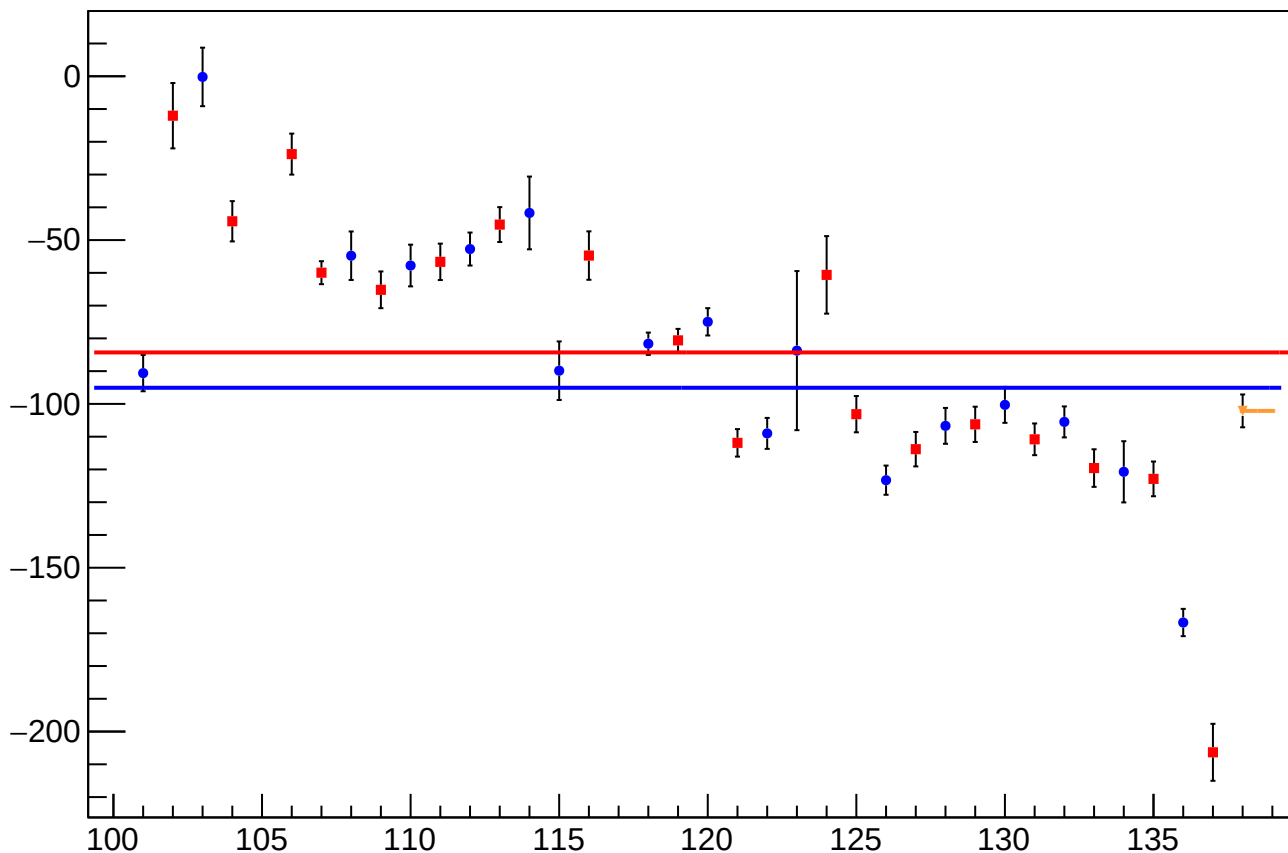
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign -266.345 $\pm$ 1.978  $\chi^2$ /NDF: 1087.2/17

All: -261.380 $\pm$ 1.415  $\chi^2$ /NDF: 3052.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-95.074 \pm 1.325$   $\chi^2/\text{NDF}$ : 673.2/16

Left Out:  $-102.130 \pm 5.012$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-84.290 \pm 1.258$   $\chi^2/\text{NDF}$ : 768.8/17

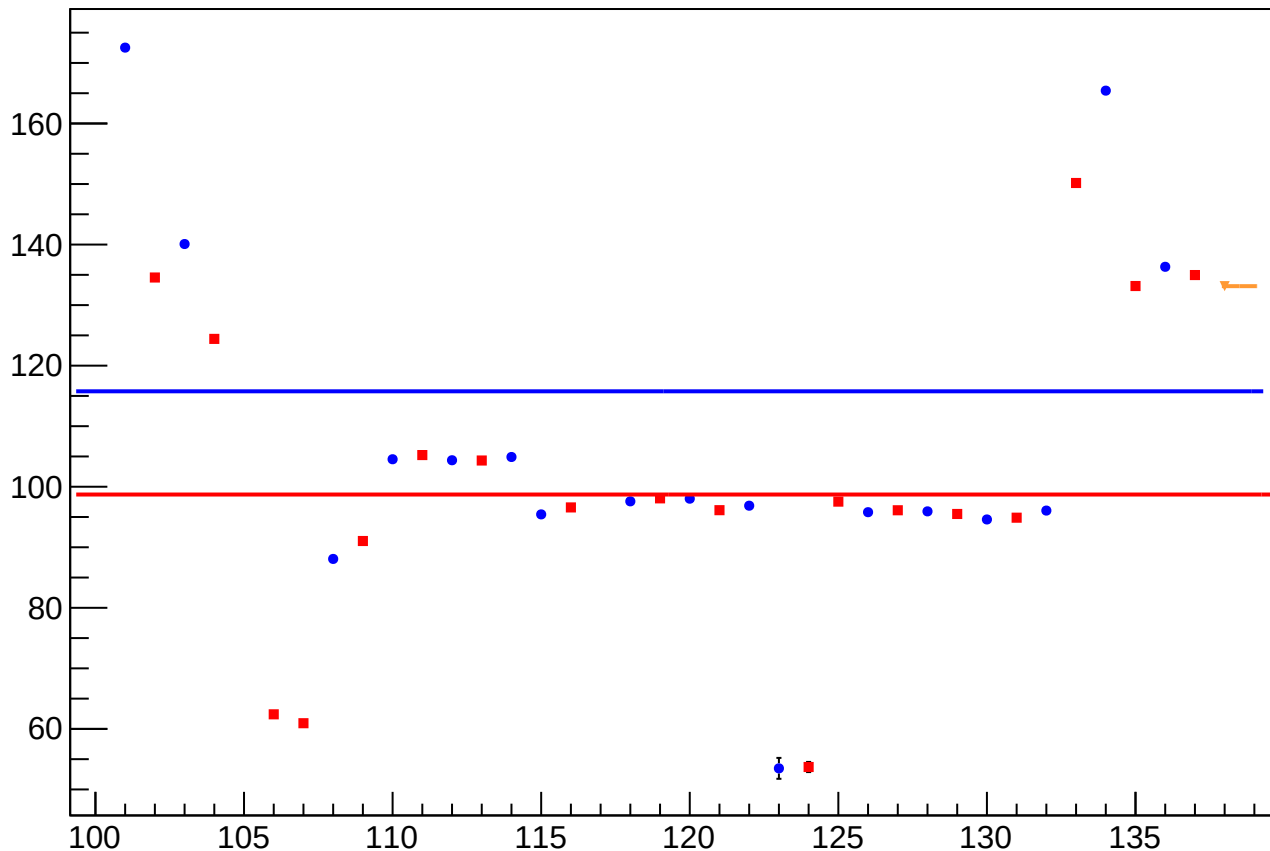
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-95.535 \pm 1.281$   $\chi^2/\text{NDF}$ : 675.0/17

All:  $-89.810 \pm 0.898$   $\chi^2/\text{NDF}$ : 1483.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 115.763+/-0.078  $\chi^2/\text{NDF}$ : 106297.4/16

Left Out: 133.130+/-0.190  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 98.713+/-0.069  $\chi^2/\text{NDF}$ : 170183.8/17

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

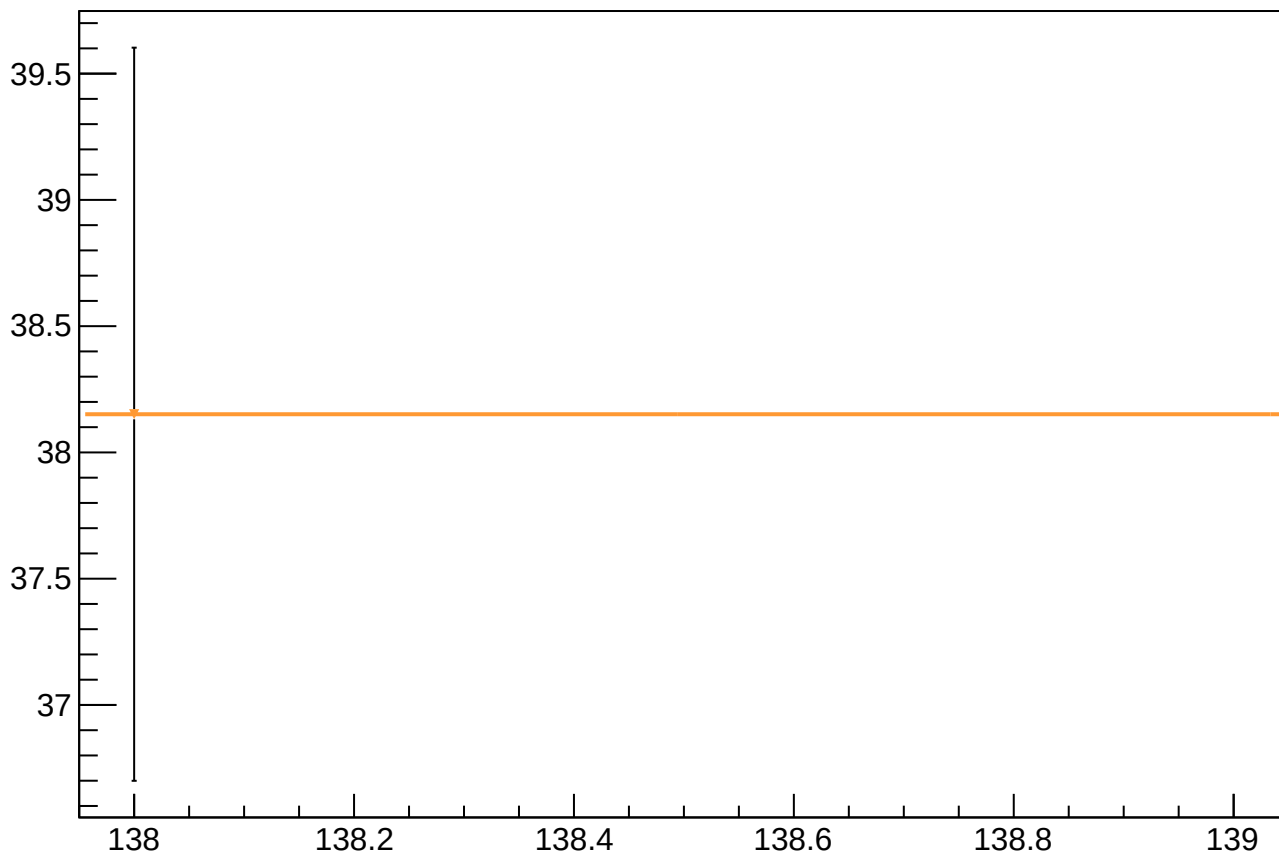
+ sign 118.266+/-0.072  $\chi^2/\text{NDF}$ : 113428.5/17

All: 108.000+/-0.050  $\chi^2/\text{NDF}$ : 322076.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 38.151 $\pm$ 1.452  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

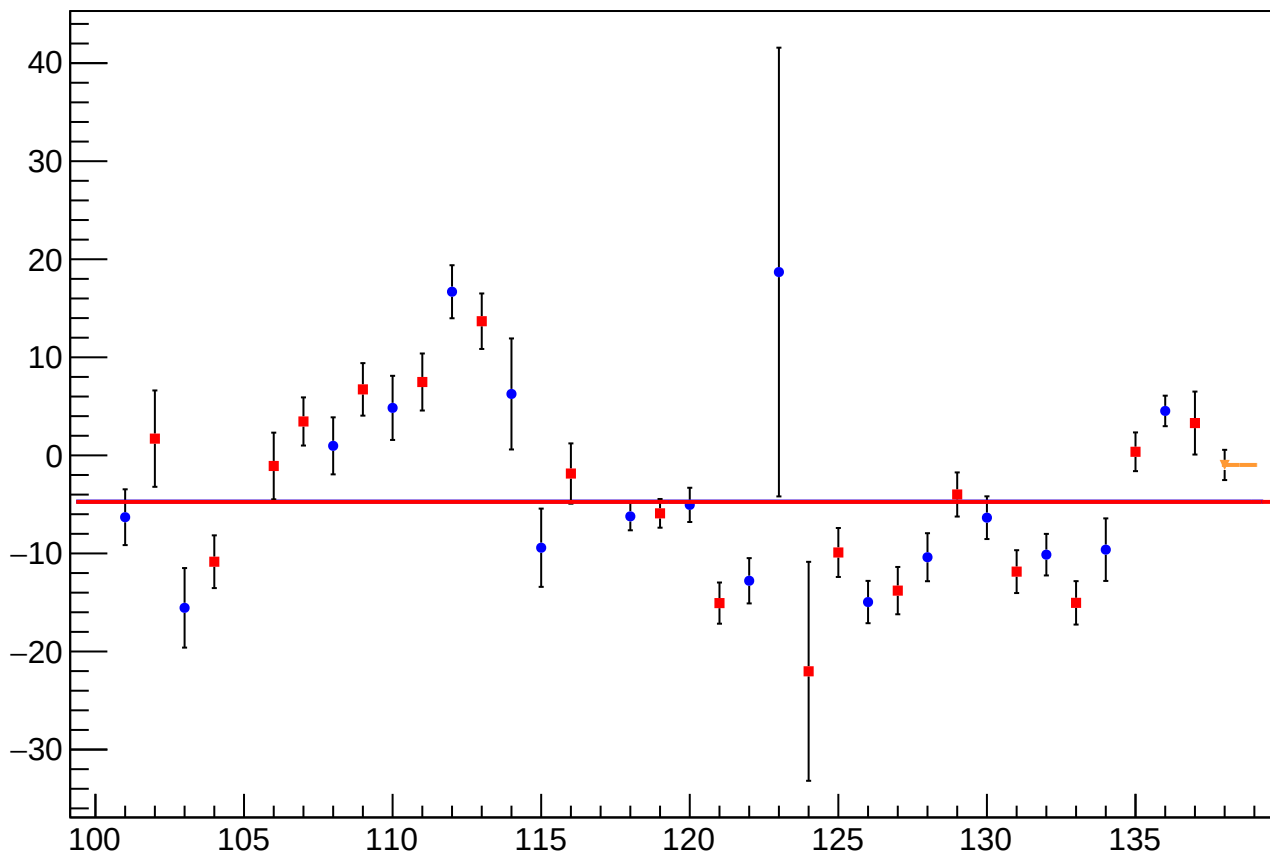
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 38.151 $\pm$ 1.452  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: -4.713+/-0.581  $\chi^2/\text{NDF}$ : 174.7/16

Left Out: -0.976+/-1.541  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.745+/-0.585  $\chi^2/\text{NDF}$ : 189.3/17

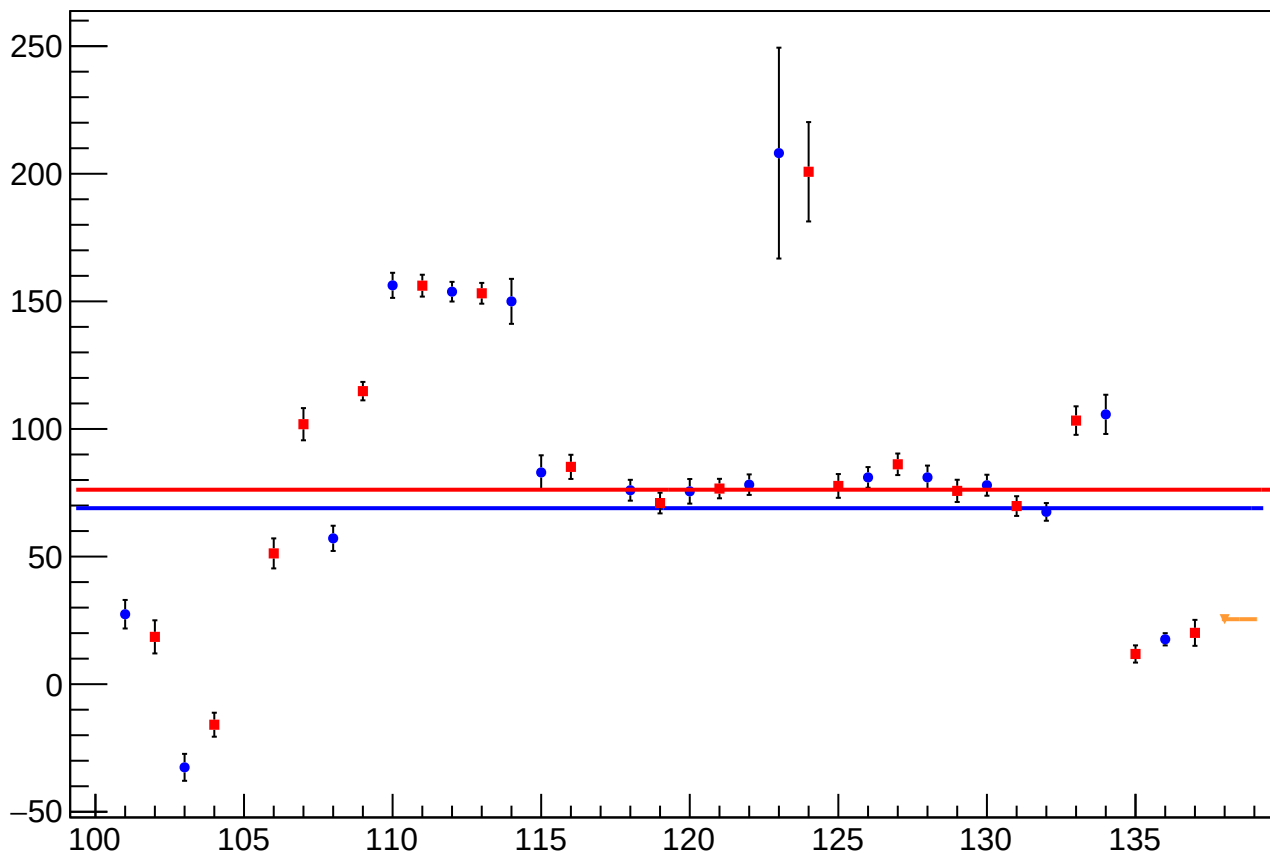
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -4.248+/-0.543  $\chi^2/\text{NDF}$ : 179.8/17

All: -4.478+/-0.398  $\chi^2/\text{NDF}$ : 369.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 68.960 $\pm$ 1.079  $\chi^2$ /NDF: 1844.0/16

Left Out: 25.458 $\pm$ 1.575  $\chi^2$ /NDF: 0.0/0

Right Out: 76.199 $\pm$ 1.071  $\chi^2$ /NDF: 1881.0/17

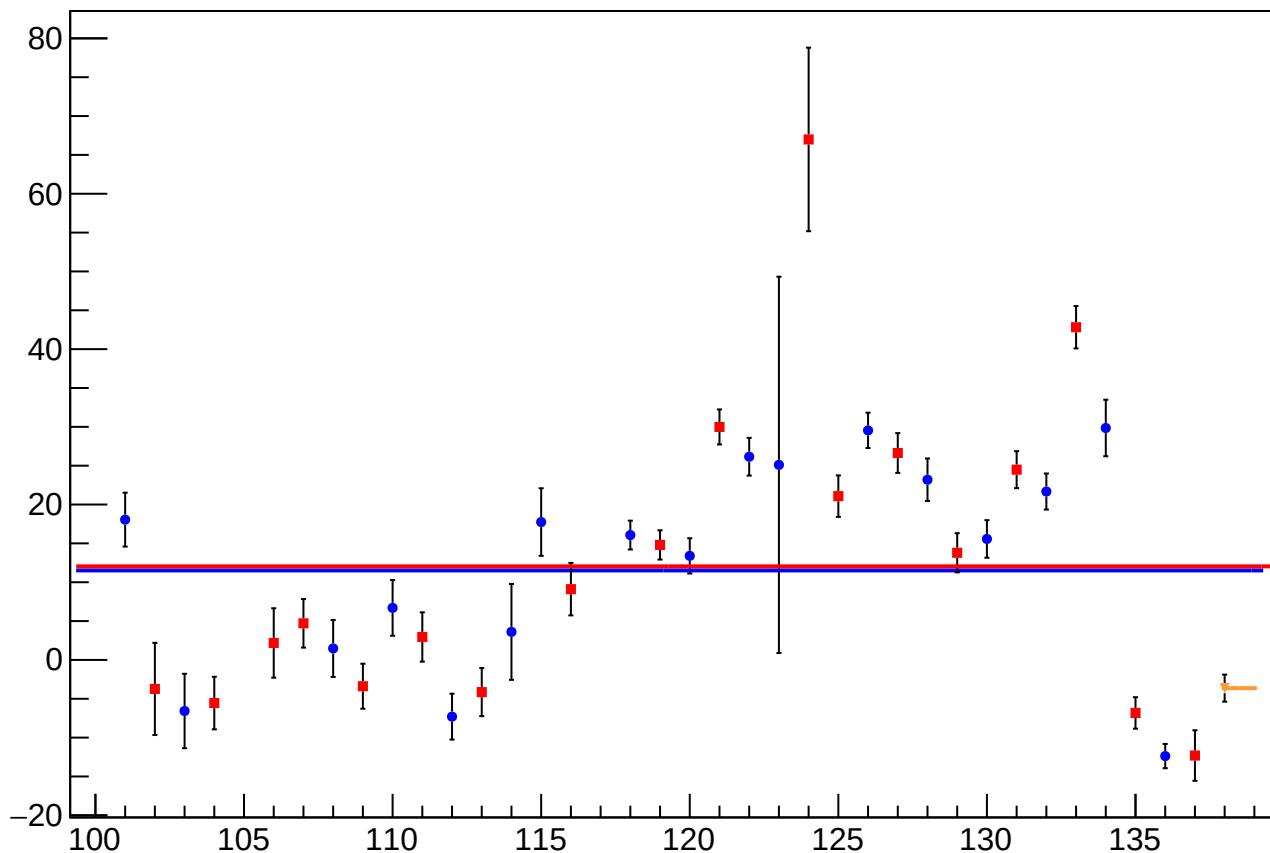
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 55.061 $\pm$ 0.890  $\chi^2$ /NDF: 2363.4/17

All: 63.695 $\pm$ 0.685  $\chi^2$ /NDF: 4474.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 11.521+/-0.660  $\chi^2/\text{NDF}$ : 477.2/16

Left Out: -3.632+/-1.738  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 12.046+/-0.665  $\chi^2/\text{NDF}$ : 538.7/17

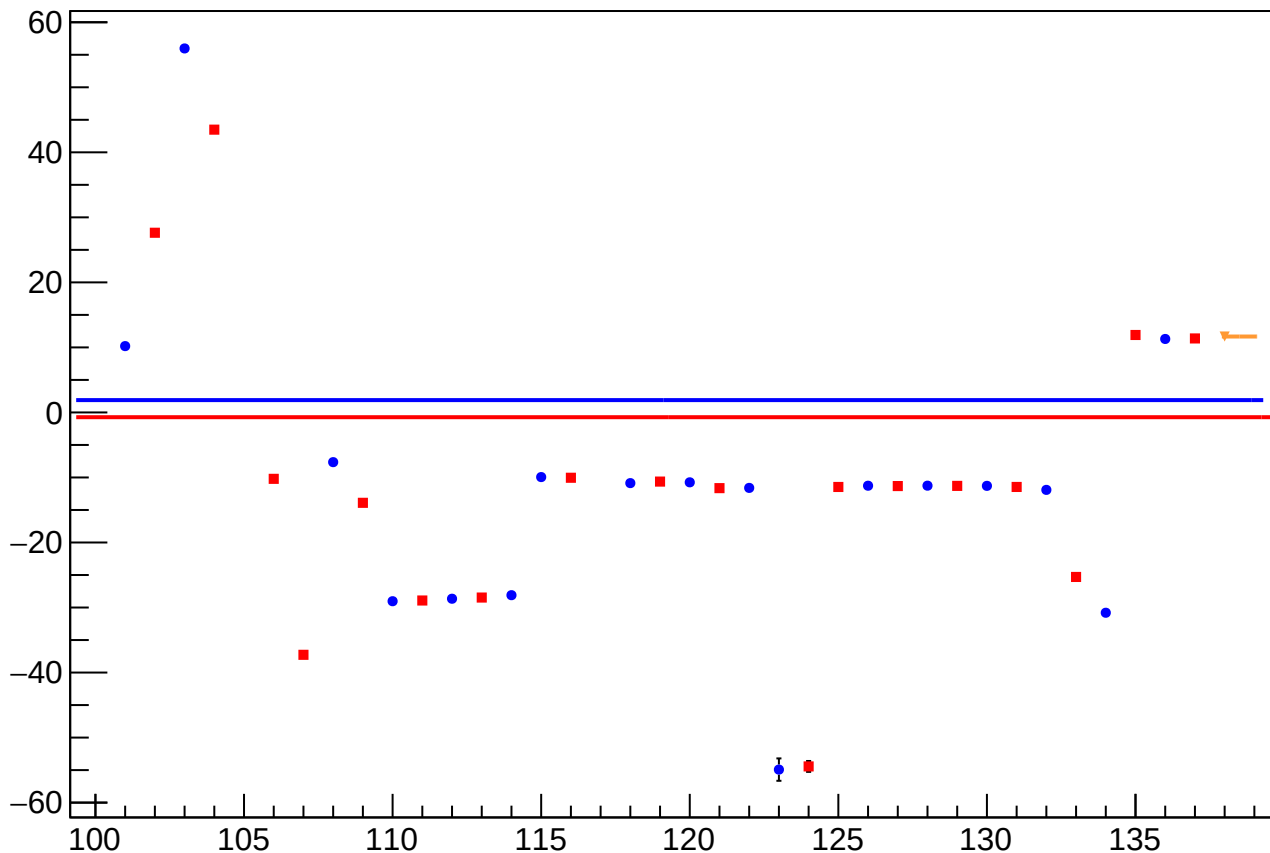
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 9.613+/-0.617  $\chi^2/\text{NDF}$ : 543.6/17

All: 10.739+/-0.452  $\chi^2/\text{NDF}$ : 1089.5/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 1.896 $\pm$ 0.037  $\chi^2$ /NDF: 358855.7/16

Left Out: 11.673 $\pm$ 0.061  $\chi^2$ /NDF: 0.0/0

Right Out: -0.733 $\pm$ 0.037  $\chi^2$ /NDF: 359934.4/17

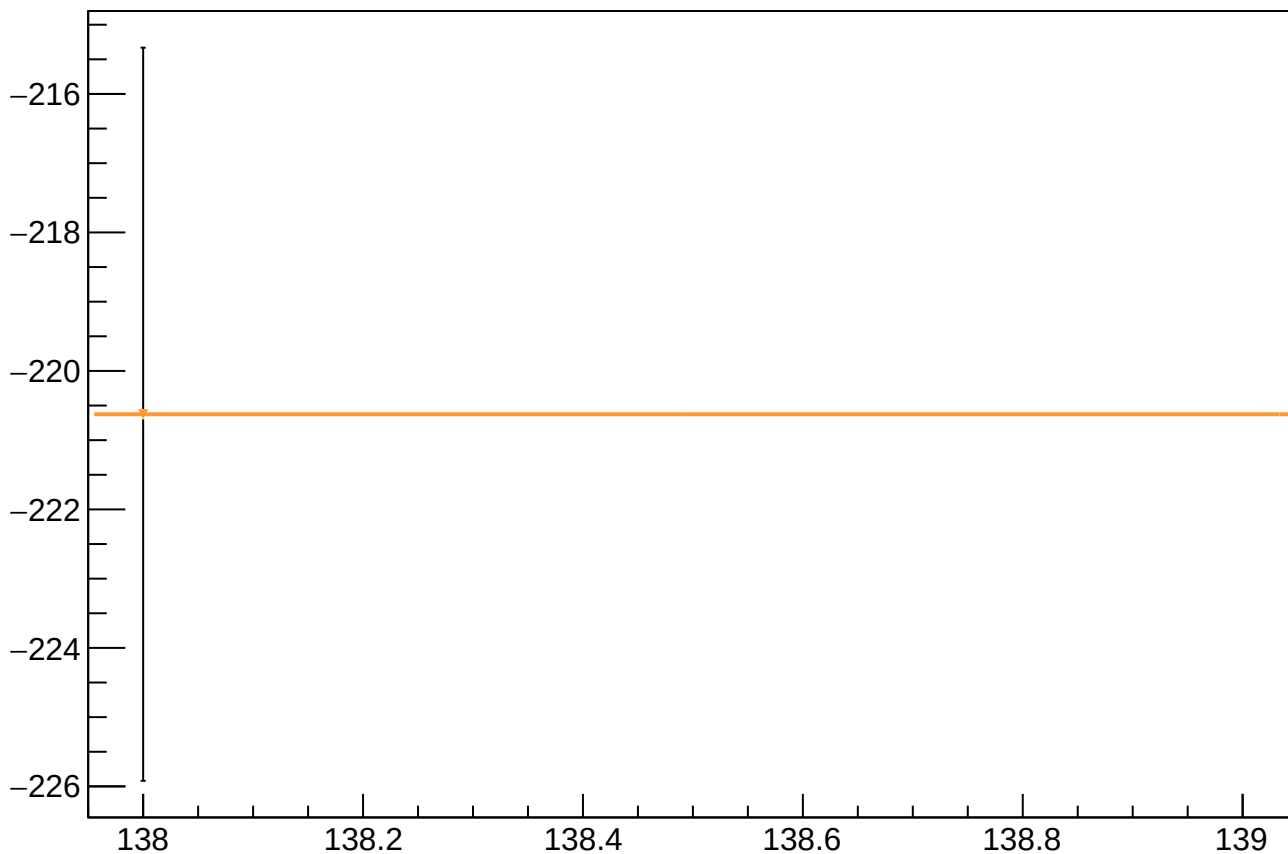
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 4.511 $\pm$ 0.032  $\chi^2$ /NDF: 377492.1/17

All: 2.299 $\pm$ 0.024  $\chi^2$ /NDF: 748969.7/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -220.625+/-5.294  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

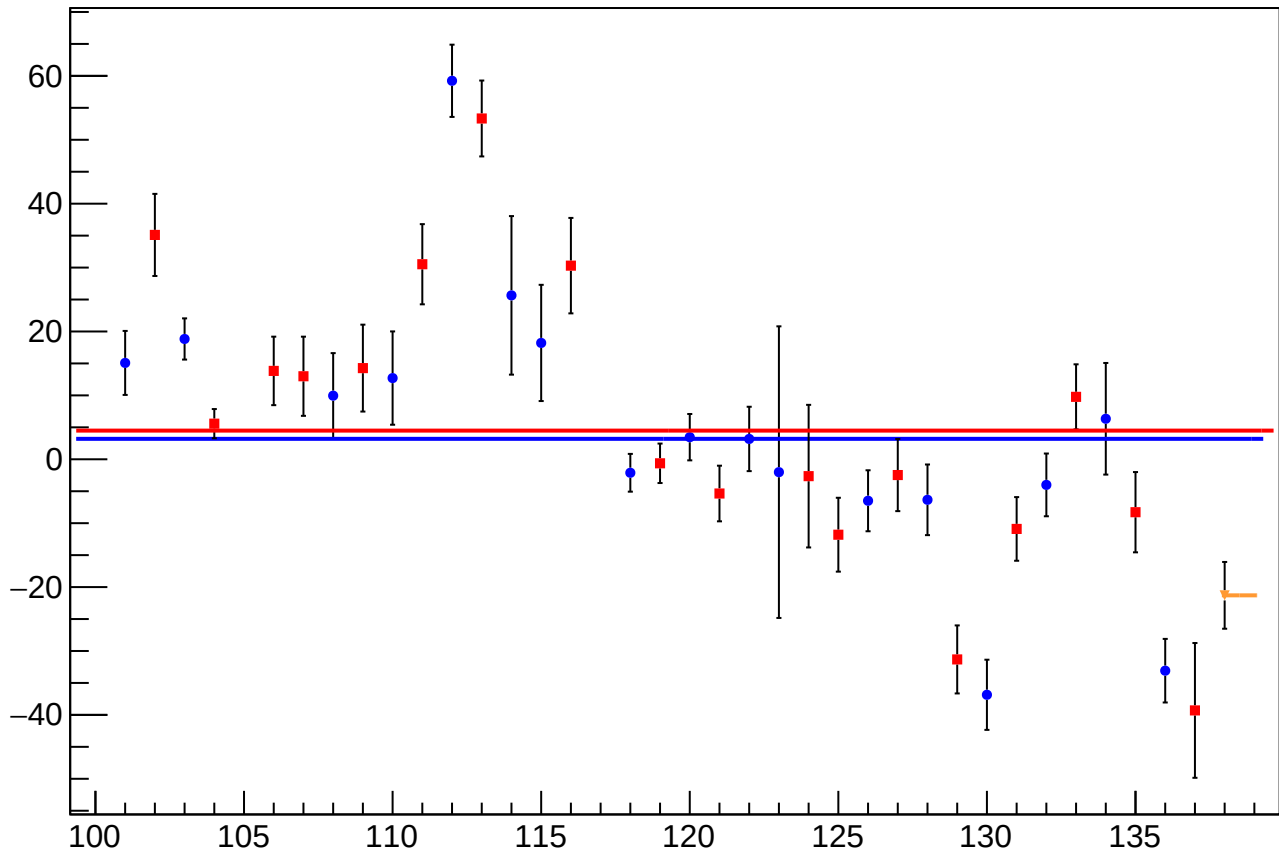
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -220.625+/-5.294  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 3.200+/-1.227  $\chi^2/\text{NDF}$ : 255.2/16

Left Out: -21.292+/-5.225  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.489+/-1.159  $\chi^2/\text{NDF}$ : 221.8/17

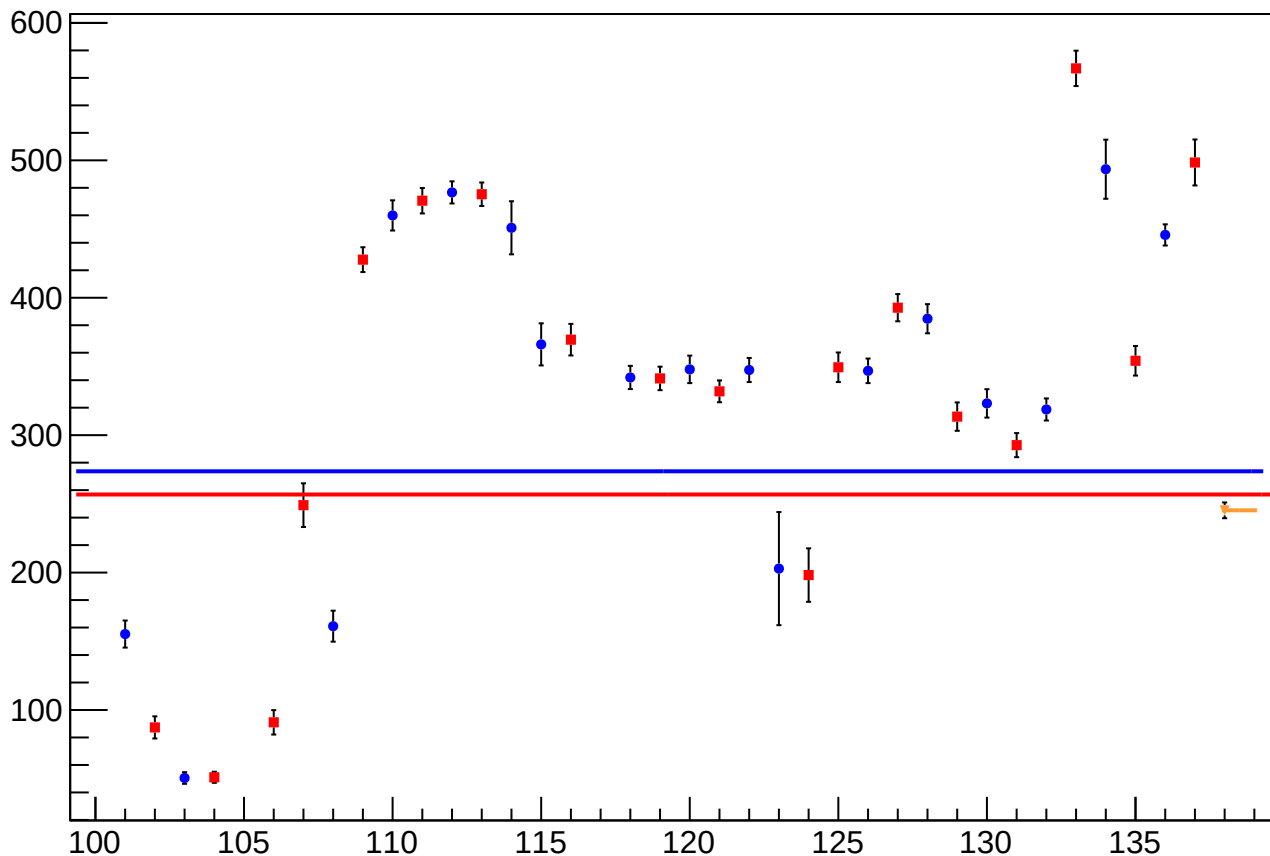
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 1.919+/-1.195  $\chi^2/\text{NDF}$ : 276.0/17

All: 3.243+/-0.832  $\chi^2/\text{NDF}$ : 500.1/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 273.717 $\pm$ 2.195  $\chi^2$ /NDF: 5103.3/16

Left Out: 245.312 $\pm$ 5.739  $\chi^2$ /NDF: 0.0/0

Right Out: 256.826 $\pm$ 2.084  $\chi^2$ /NDF: 6411.8/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

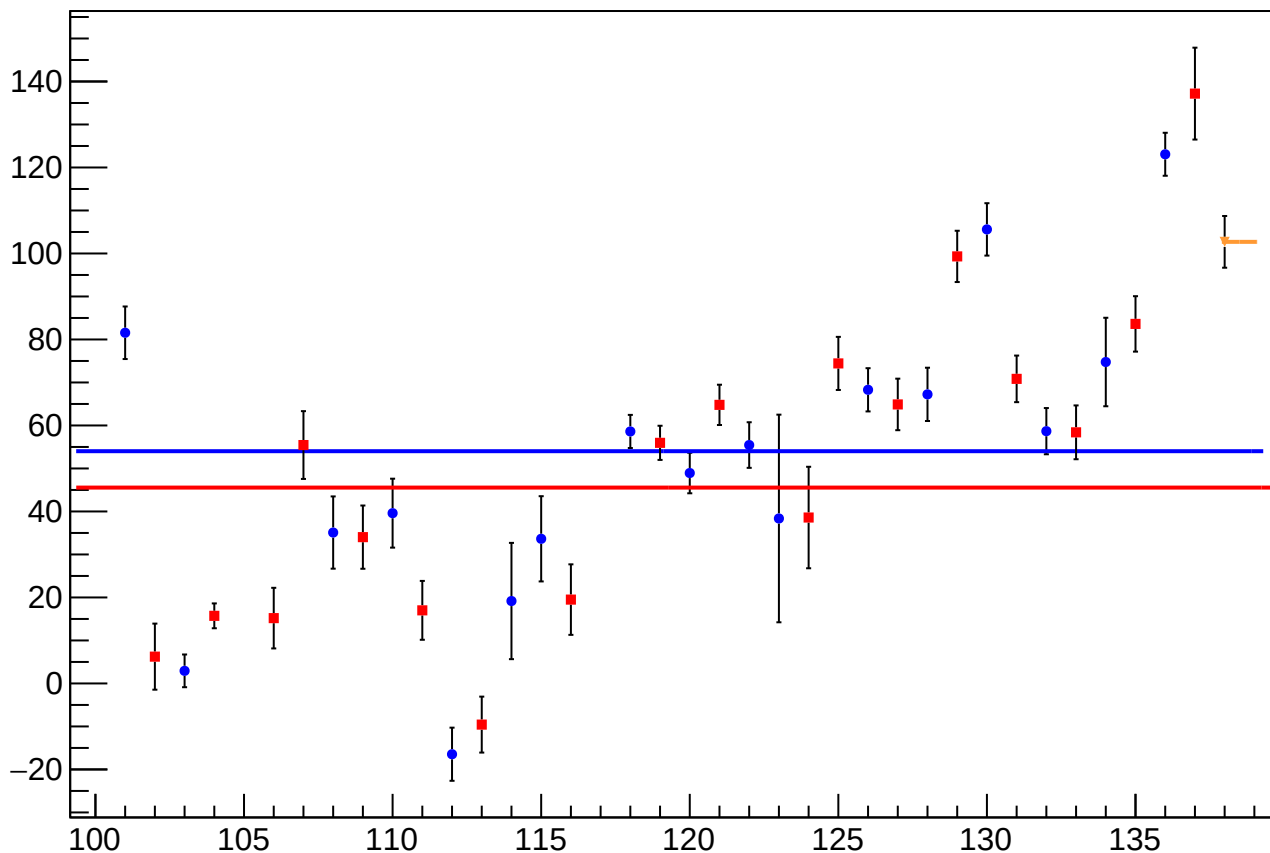
+ sign 270.093 $\pm$ 2.050  $\chi^2$ /NDF: 5124.7/17

All: 263.568 $\pm$ 1.461  $\chi^2$ /NDF: 11557.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 54.016 $\pm$ 1.423  $\chi^2$ /NDF: 632.9/16

Left Out: 102.703 $\pm$ 6.015  $\chi^2$ /NDF: 0.0/0

Right Out: 45.552 $\pm$ 1.358  $\chi^2$ /NDF: 526.6/17

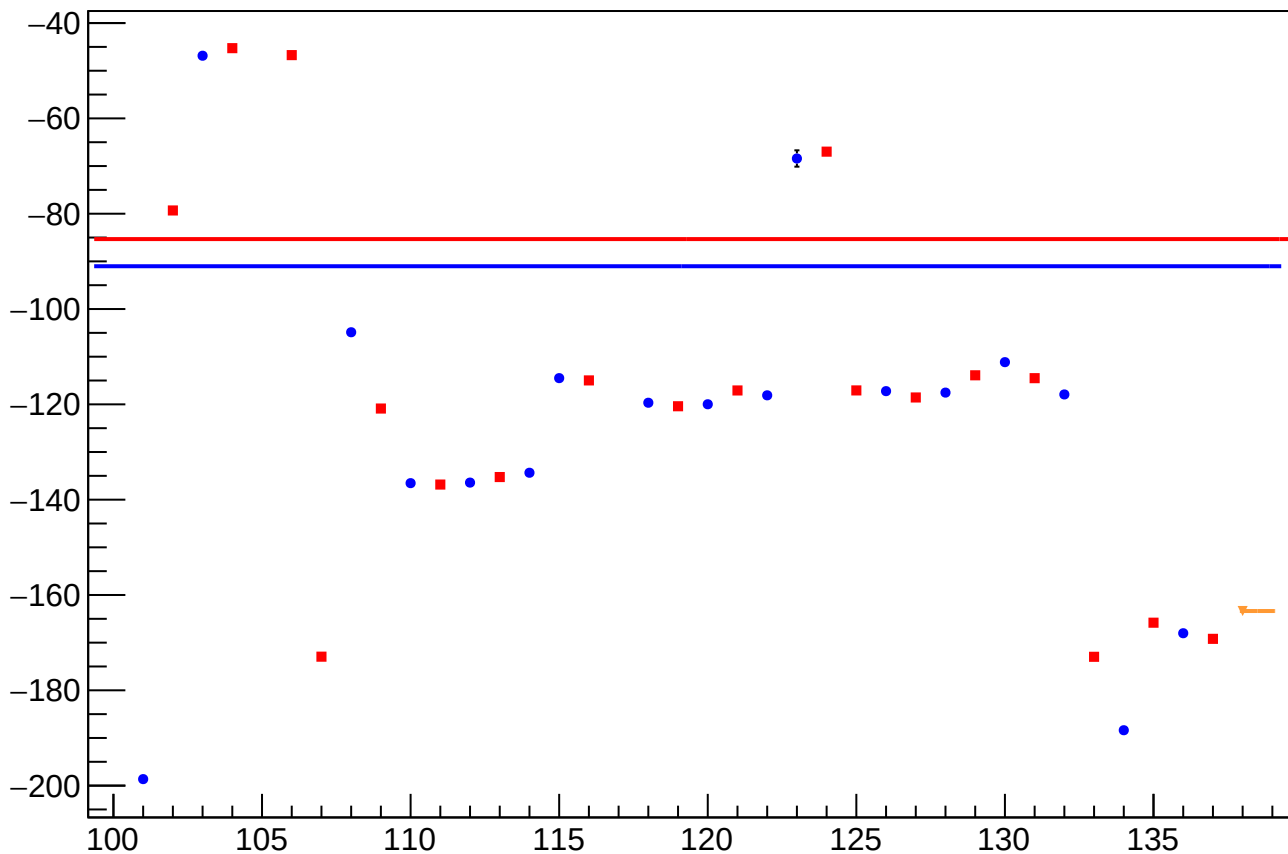
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 56.597 $\pm$ 1.385  $\chi^2$ /NDF: 694.9/17

All: 50.967 $\pm$ 0.970  $\chi^2$ /NDF: 1253.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -91.021+/-0.068  $\chi^2/\text{NDF}$ : 534258.1/16

Left Out: -163.364+/-0.228  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -85.325+/-0.065  $\chi^2/\text{NDF}$ : 483106.3/17

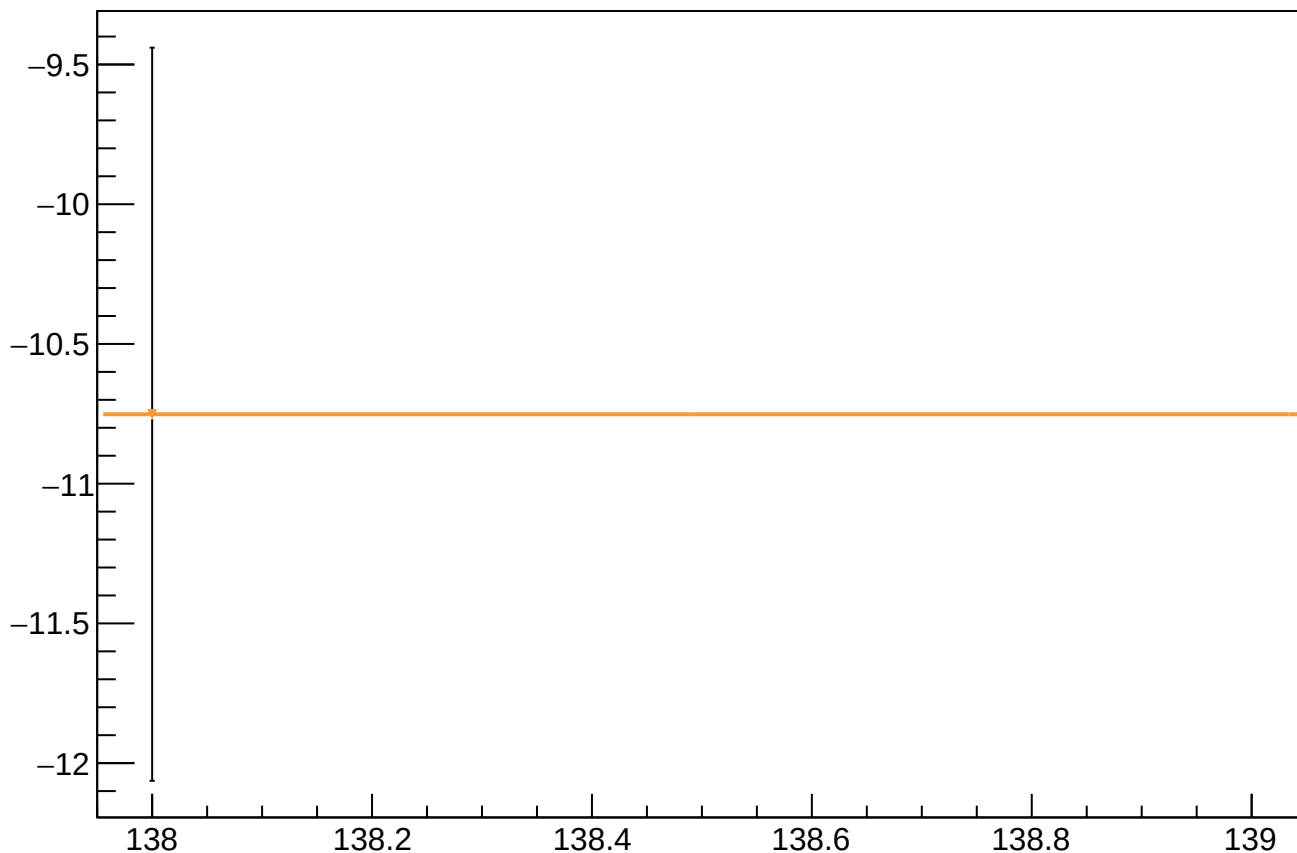
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign -96.863+/-0.065  $\chi^2/\text{NDF}$ : 626800.0/17

All: -91.127+/-0.046  $\chi^2/\text{NDF}$ : 1125672.0/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -10.752+/-1.312  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

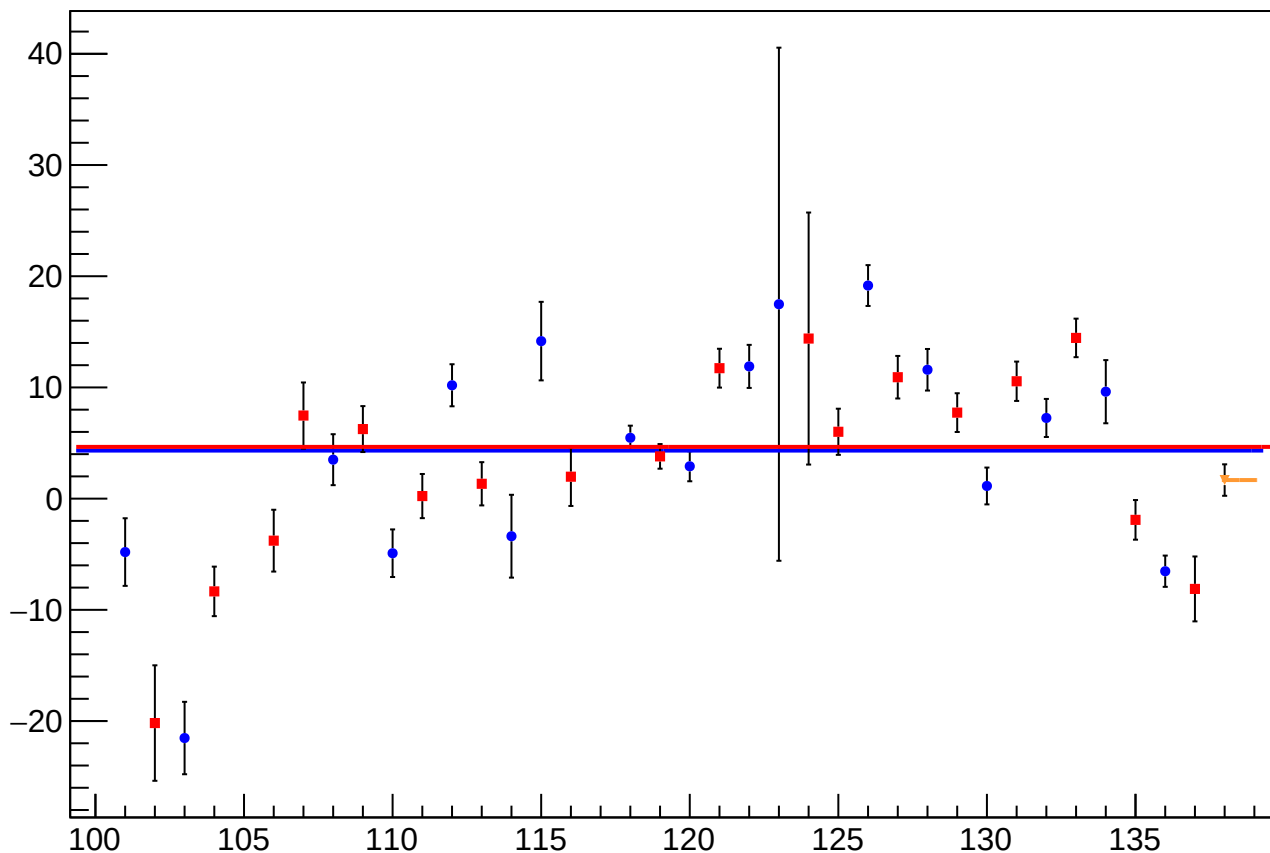
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -10.752+/-1.312  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 4.322+/-0.465  $\chi^2/\text{NDF}$ : 280.3/16

Left Out: 1.671+/-1.415  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.653+/-0.474  $\chi^2/\text{NDF}$ : 184.4/17

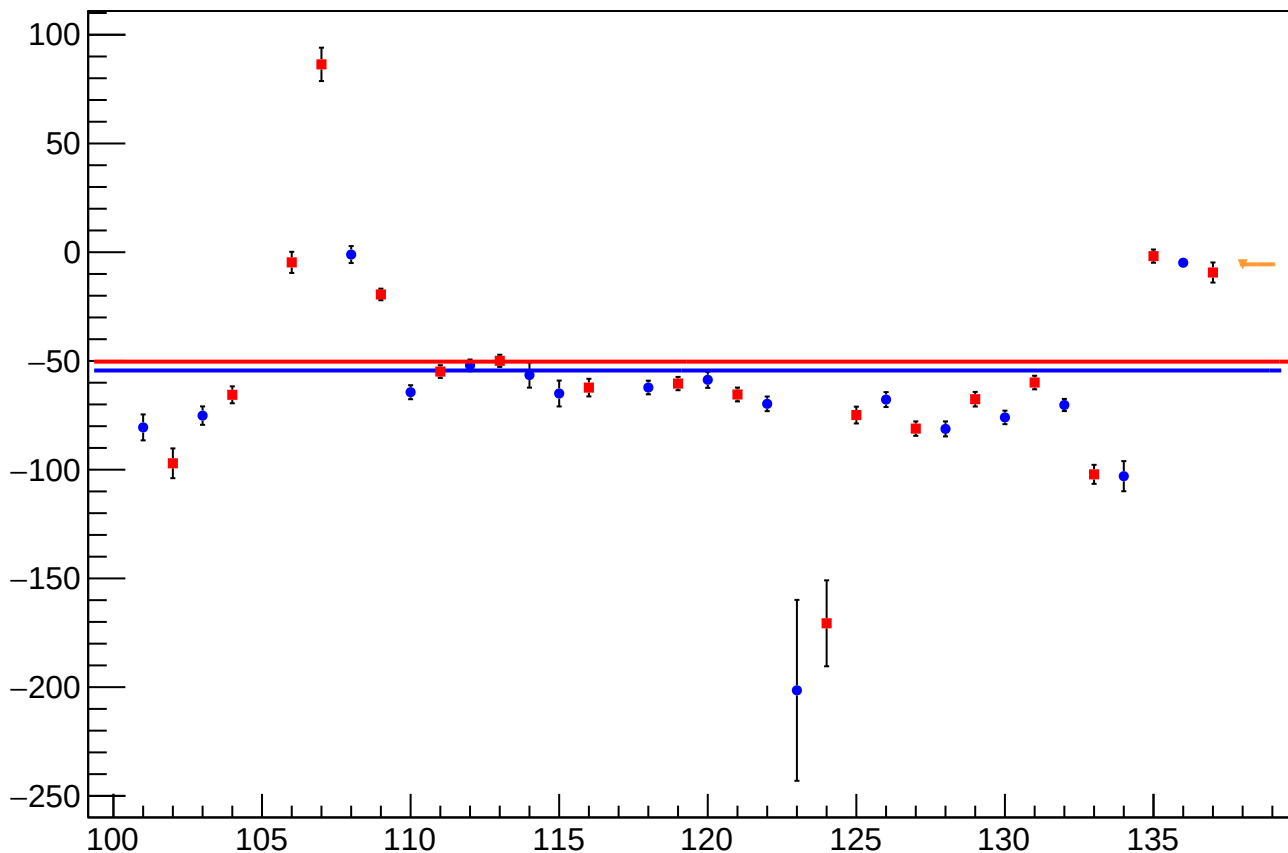
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 4.063+/-0.442  $\chi^2/\text{NDF}$ : 283.5/17

All: 4.338+/-0.323  $\chi^2/\text{NDF}$ : 468.7/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-54.387 \pm 0.864$   $\chi^2/\text{NDF}$ : 1014.0/16

Left Out:  $-5.570 \pm 1.423$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-50.316 \pm 0.858$   $\chi^2/\text{NDF}$ : 1319.3/17

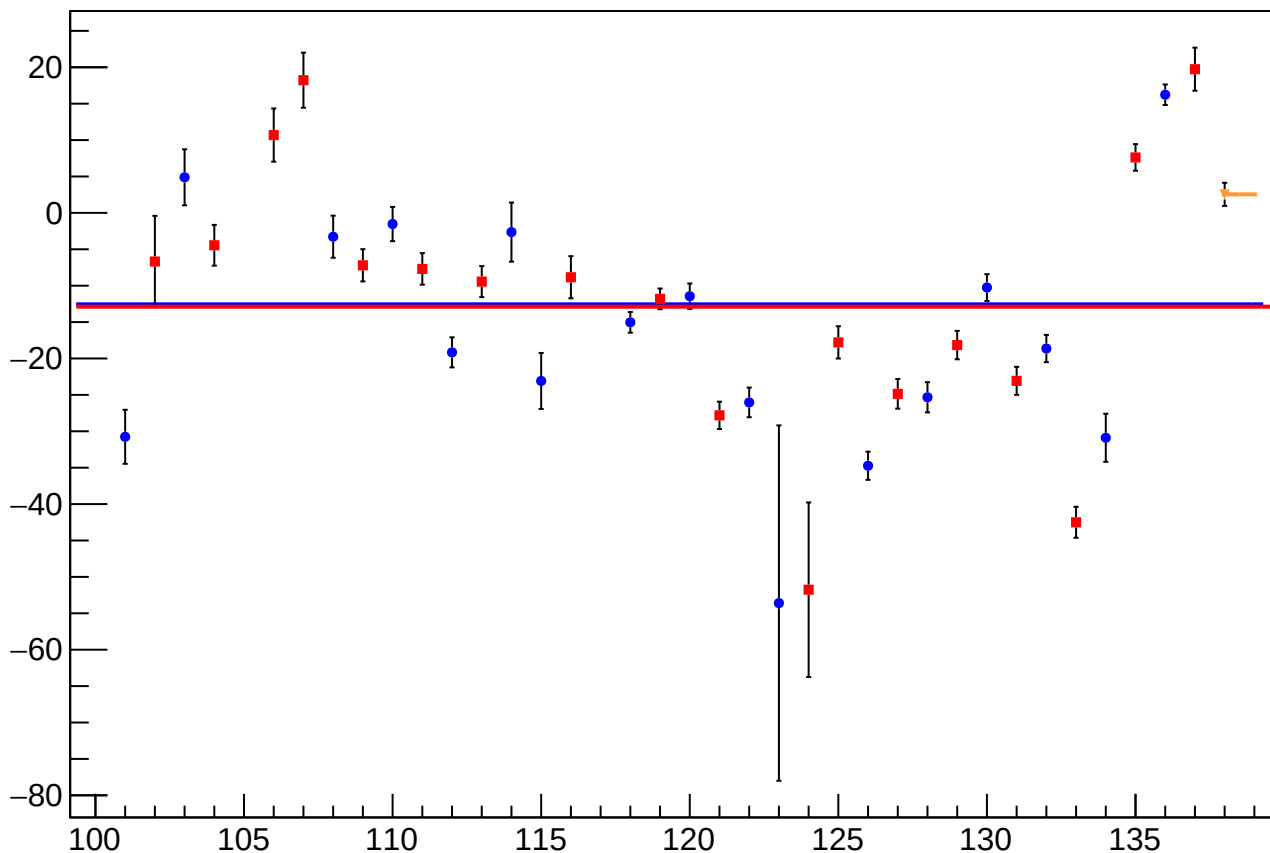
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-41.227 \pm 0.739$   $\chi^2/\text{NDF}$ : 1873.6/17

All:  $-45.095 \pm 0.560$   $\chi^2/\text{NDF}$ : 3257.3/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-12.561 \pm 0.531$   $\chi^2/\text{NDF}$ : 779.5/16

Left Out:  $2.545 \pm 1.589$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-12.881 \pm 0.538$   $\chi^2/\text{NDF}$ : 726.6/17

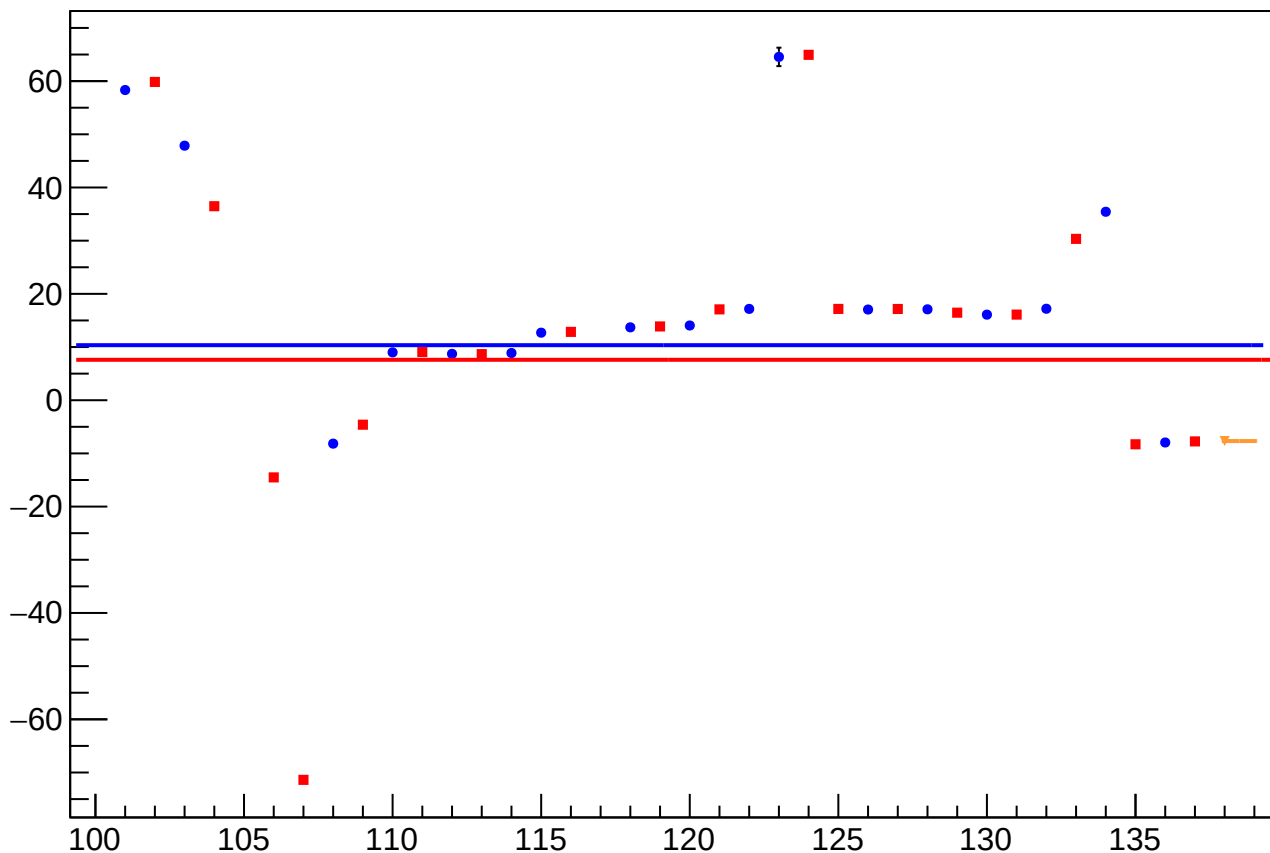
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-11.041 \pm 0.504$   $\chi^2/\text{NDF}$ : 860.8/17

All:  $-11.901 \pm 0.368$   $\chi^2/\text{NDF}$ : 1593.6/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 10.350 $\pm$ 0.031  $\chi^2$ /NDF: 380878.9/16

Left Out: -7.675 $\pm$ 0.055  $\chi^2$ /NDF: 0.0/0

Right Out: 7.602 $\pm$ 0.031  $\chi^2$ /NDF: 538460.3/17

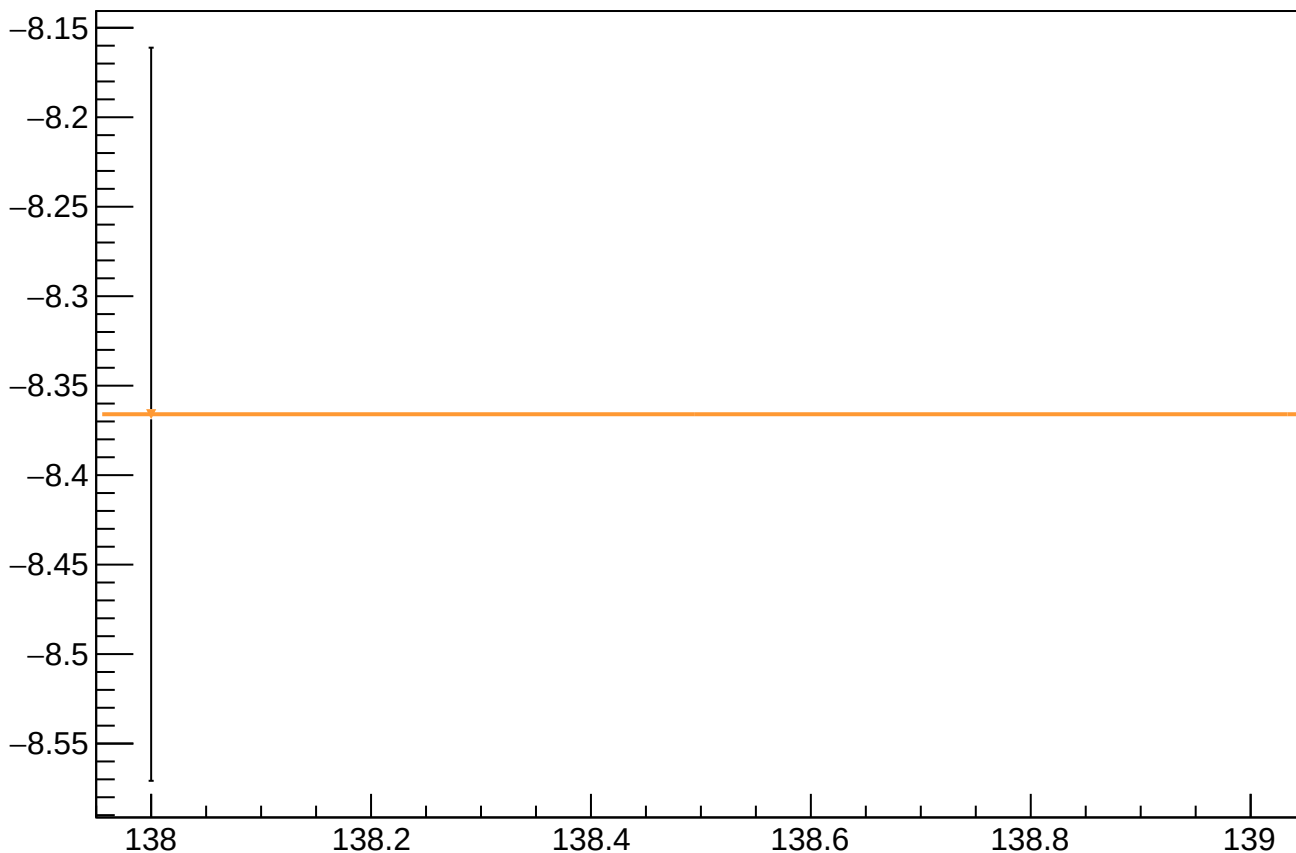
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 6.119 $\pm$ 0.027  $\chi^2$ /NDF: 462431.0/17

All: 6.745 $\pm$ 0.020  $\chi^2$ /NDF: 1002188.7/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_an\_ds3\_diff\_bpm1X\_slope vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -8.366 $\pm$ 0.205  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

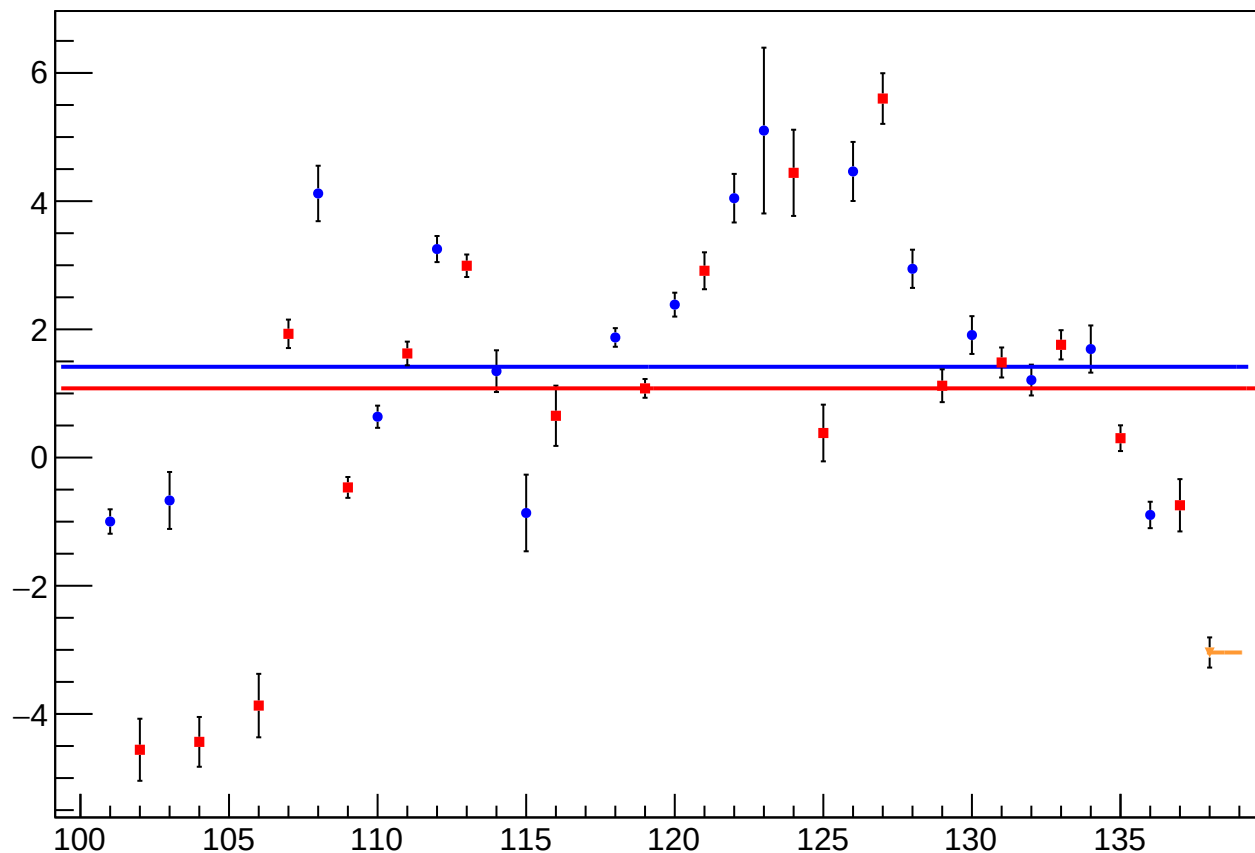
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -8.366 $\pm$ 0.205  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs Slug



Right In: 1.416 $\pm$ 0.061  $\chi^2$ /NDF: 631.2/16

Left Out: -3.041 $\pm$ 0.235  $\chi^2$ /NDF: 0.0/0

Right Out: 1.080 $\pm$ 0.058  $\chi^2$ /NDF: 916.1/17

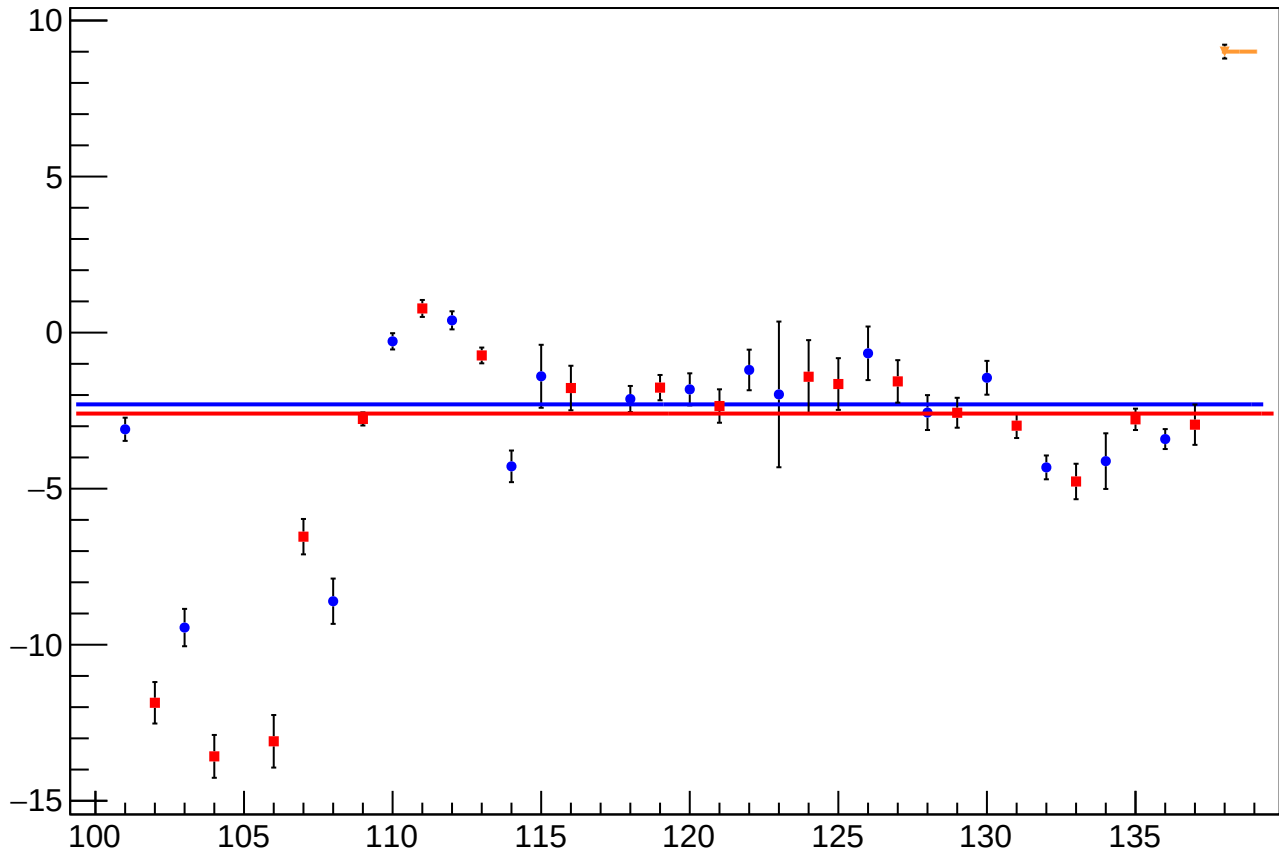
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1.134 $\pm$ 0.059  $\chi^2$ /NDF: 967.0/17

All: 1.106 $\pm$ 0.042  $\chi^2$ /NDF: 1883.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs Slug



Right In:  $-2.299 \pm 0.111$   $\chi^2/\text{NDF}$ : 440.0/16

Left Out:  $9.003 \pm 0.222$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.594 \pm 0.099$   $\chi^2/\text{NDF}$ : 889.6/17

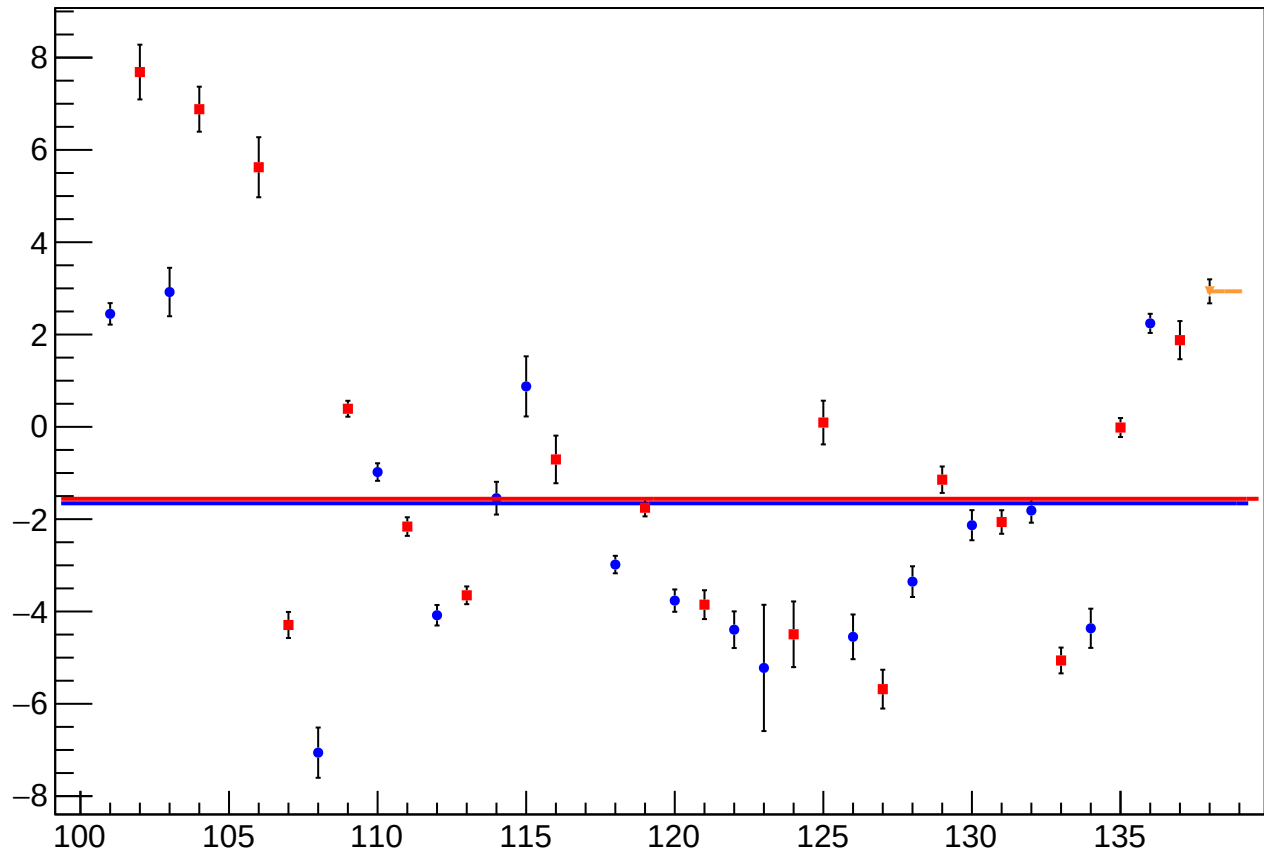
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.051 \pm 0.099$   $\chi^2/\text{NDF}$ : 2508.2/17

All:  $-1.322 \pm 0.070$   $\chi^2/\text{NDF}$ : 3726.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs Slug



Right In:  $-1.656 \pm 0.070$   $\chi^2/\text{NDF}$ : 1271.1/16

Left Out:  $2.936 \pm 0.260$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.558 \pm 0.066$   $\chi^2/\text{NDF}$ : 1484.7/17

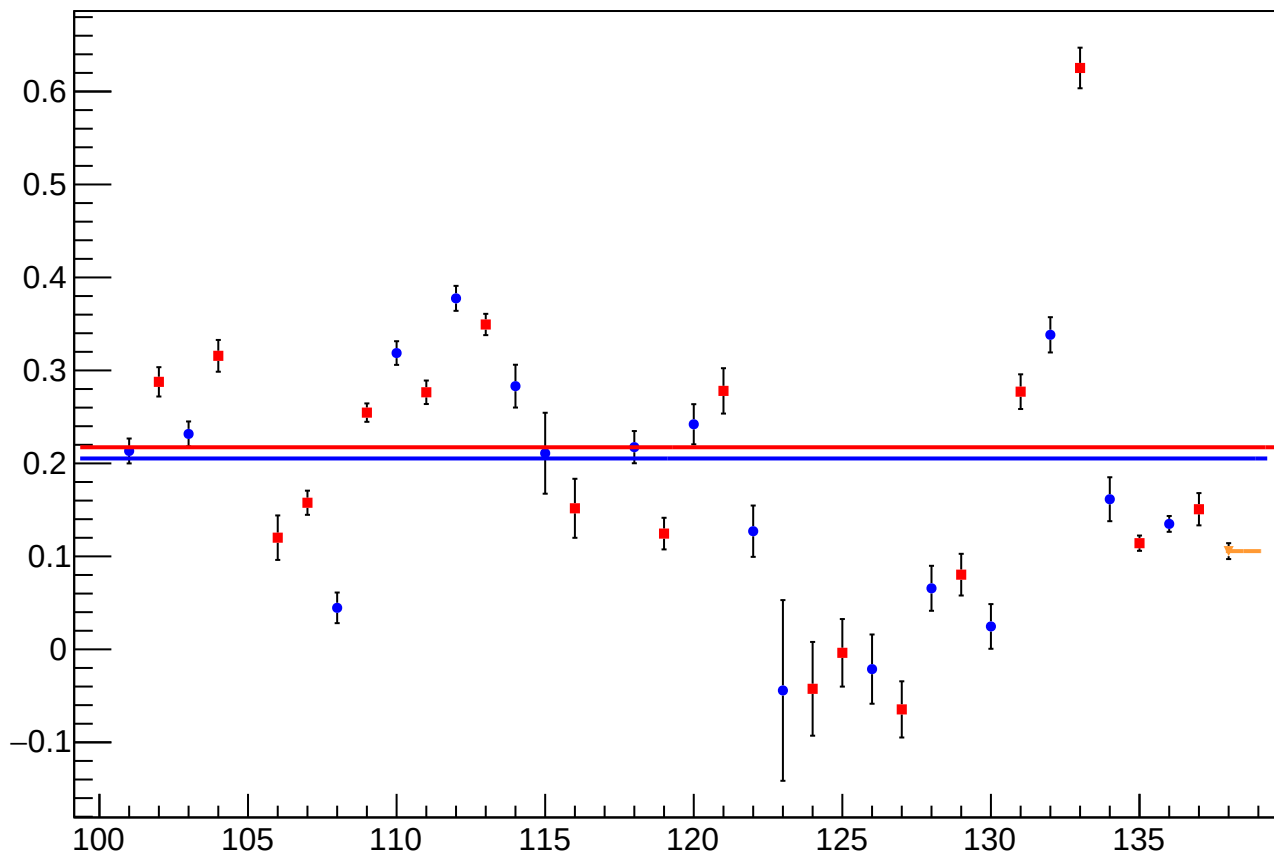
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-1.342 \pm 0.068$   $\chi^2/\text{NDF}$ : 1562.3/17

All:  $-1.454 \pm 0.047$   $\chi^2/\text{NDF}$ : 3052.3/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug



Right In: 0.205+/-0.004  $\chi^2/\text{NDF}$ : 620.5/16

Left Out: 0.106+/-0.009  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.217+/-0.004  $\chi^2/\text{NDF}$ : 1019.4/17

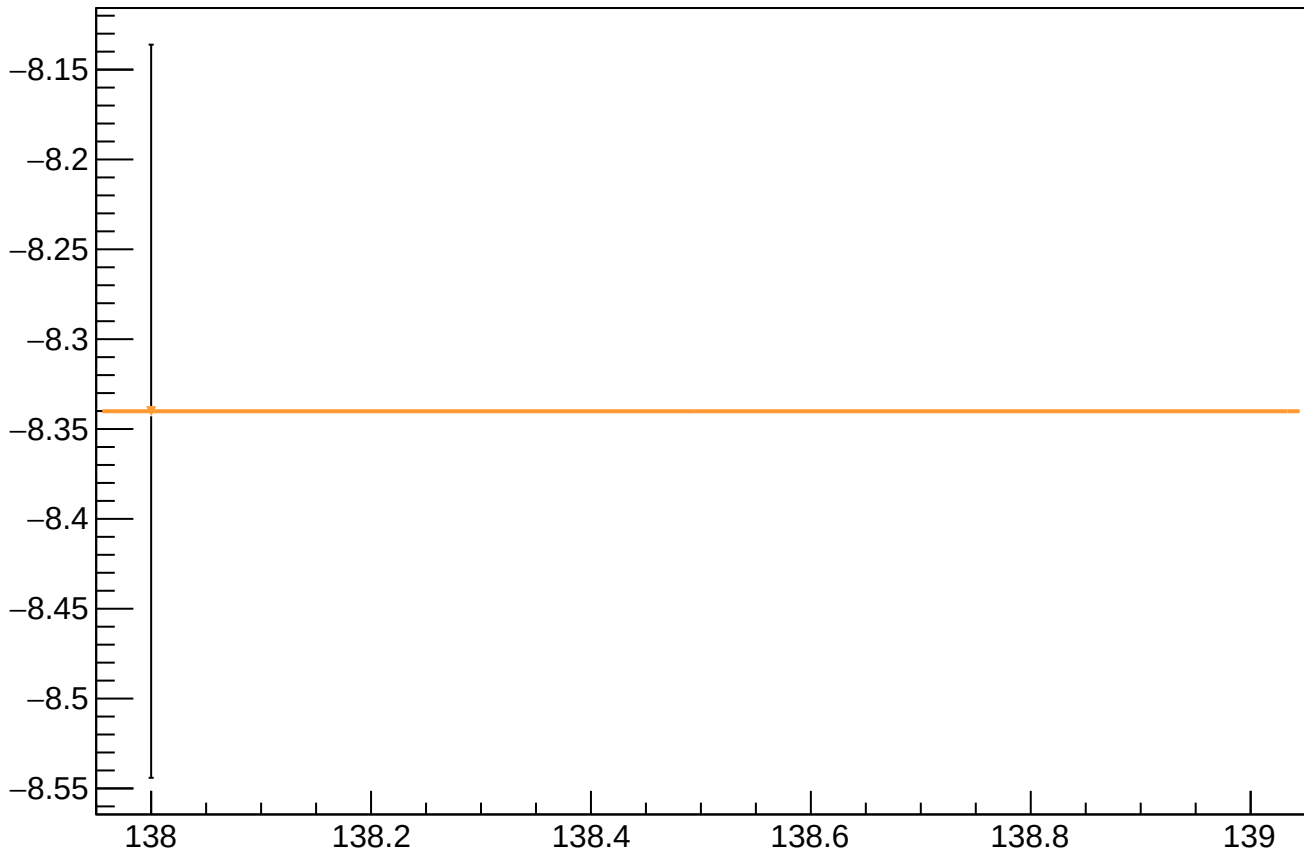
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.186+/-0.004  $\chi^2/\text{NDF}$ : 730.6/17

All: 0.202+/-0.003  $\chi^2/\text{NDF}$ : 1784.8/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_ds\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -8.340+/-0.204  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

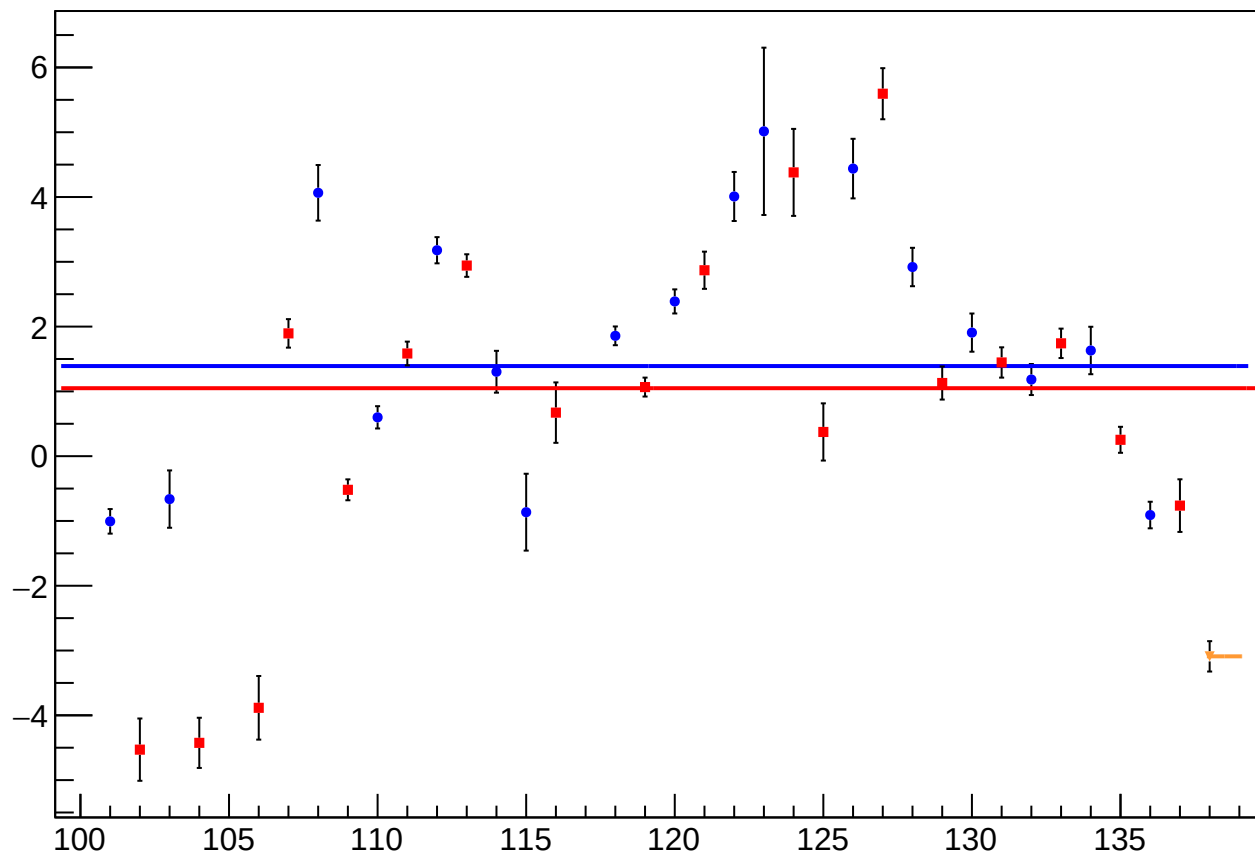
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -8.340+/-0.204  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug



Right In: 1.391 $\pm$ 0.061  $\chi^2$ /NDF: 629.2/16

Left Out: -3.090 $\pm$ 0.234  $\chi^2$ /NDF: 0.0/0

Right Out: 1.049 $\pm$ 0.058  $\chi^2$ /NDF: 919.8/17

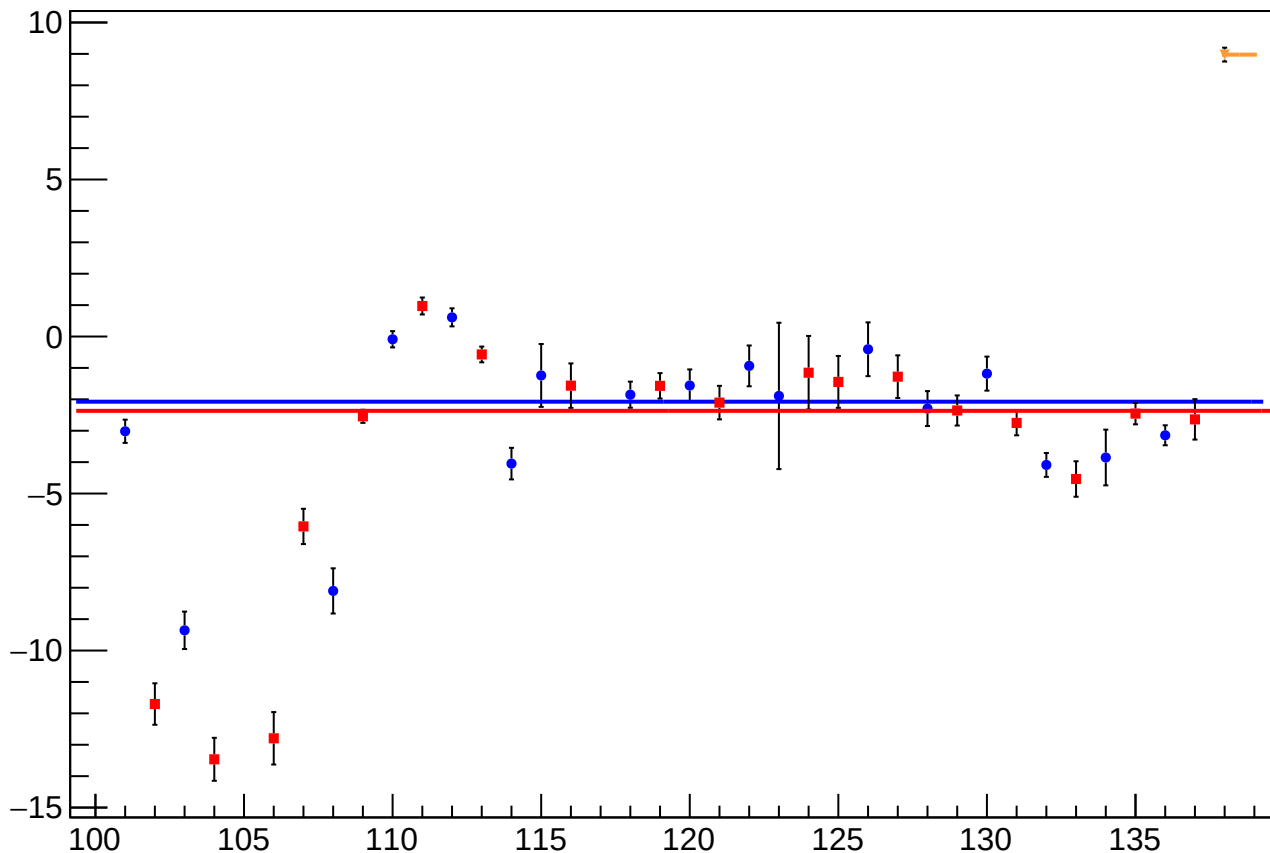
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1.108 $\pm$ 0.059  $\chi^2$ /NDF: 971.5/17

All: 1.078 $\pm$ 0.041  $\chi^2$ /NDF: 1891.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug



Right In:  $-2.075 \pm 0.110$   $\chi^2/\text{NDF}: 442.3/16$

Left Out:  $8.977 \pm 0.222$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-2.366 \pm 0.099$   $\chi^2/\text{NDF}: 893.2/17$

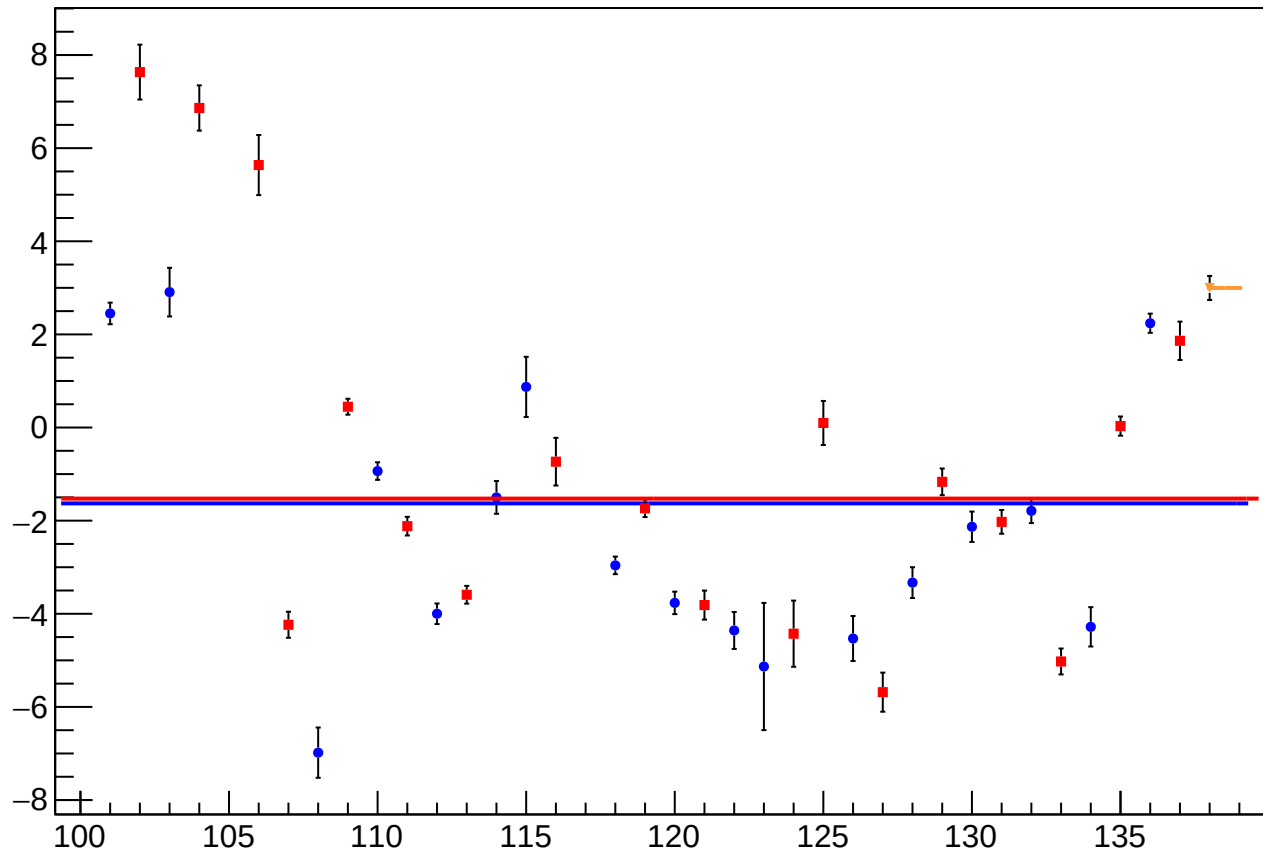
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.120 \pm 0.099$   $\chi^2/\text{NDF}: 2437.4/17$

All:  $-1.123 \pm 0.070$   $\chi^2/\text{NDF}: 3647.7/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs Slug



Right In:  $-1.629 \pm 0.070$   $\chi^2/\text{NDF}$ : 1266.4/16

Left Out:  $2.997 \pm 0.259$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.526 \pm 0.065$   $\chi^2/\text{NDF}$ : 1488.2/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

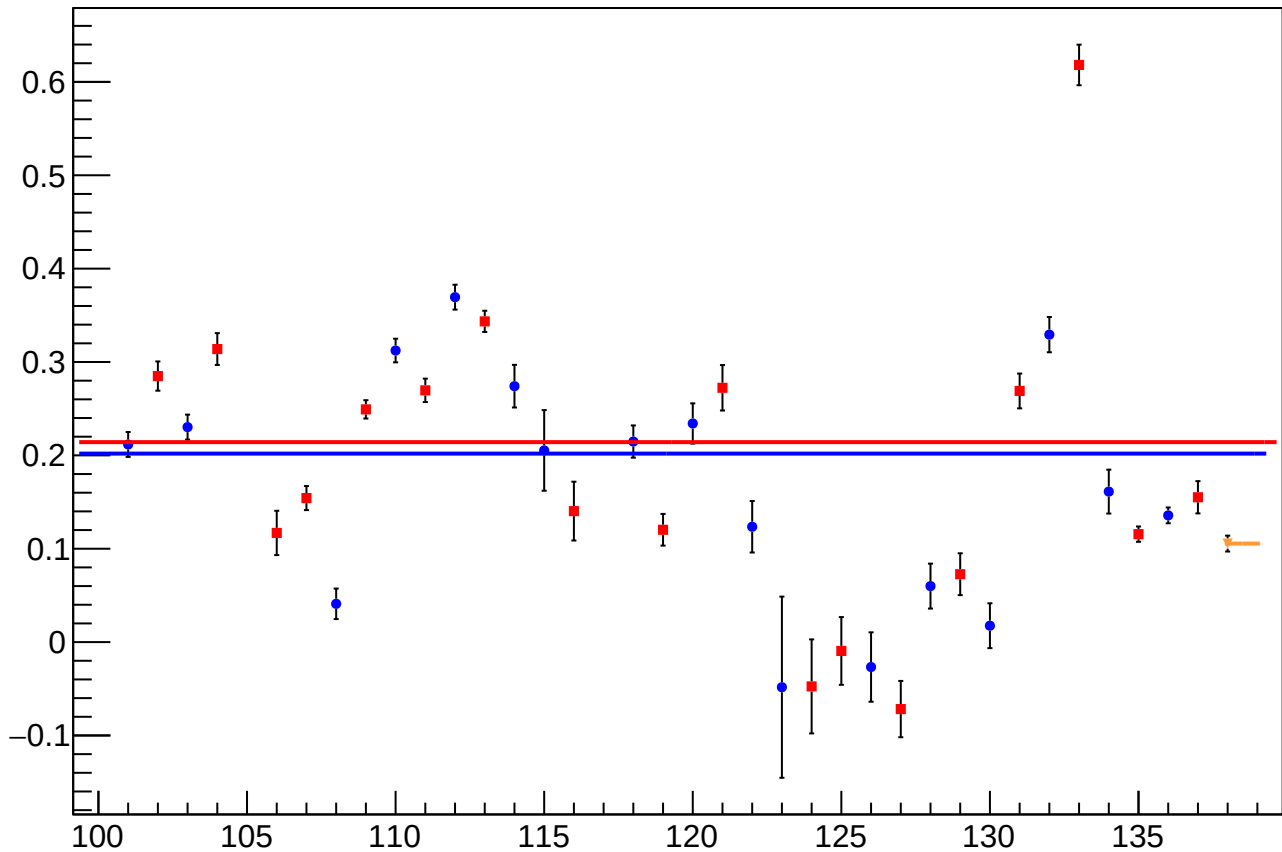
+ sign  $-1.312 \pm 0.068$   $\chi^2/\text{NDF}$ : 1564.4/17

All:  $-1.423 \pm 0.047$   $\chi^2/\text{NDF}$ : 3057.8/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_bcm\_an\_ds\_diff\_bpm12X\_slope vs Slug



Right In: 0.202 $\pm$ 0.004  $\chi^2$ /NDF: 604.6/16

Left Out: 0.106 $\pm$ 0.009  $\chi^2$ /NDF: 0.0/0

Right Out: 0.214 $\pm$ 0.004  $\chi^2$ /NDF: 1001.6/17

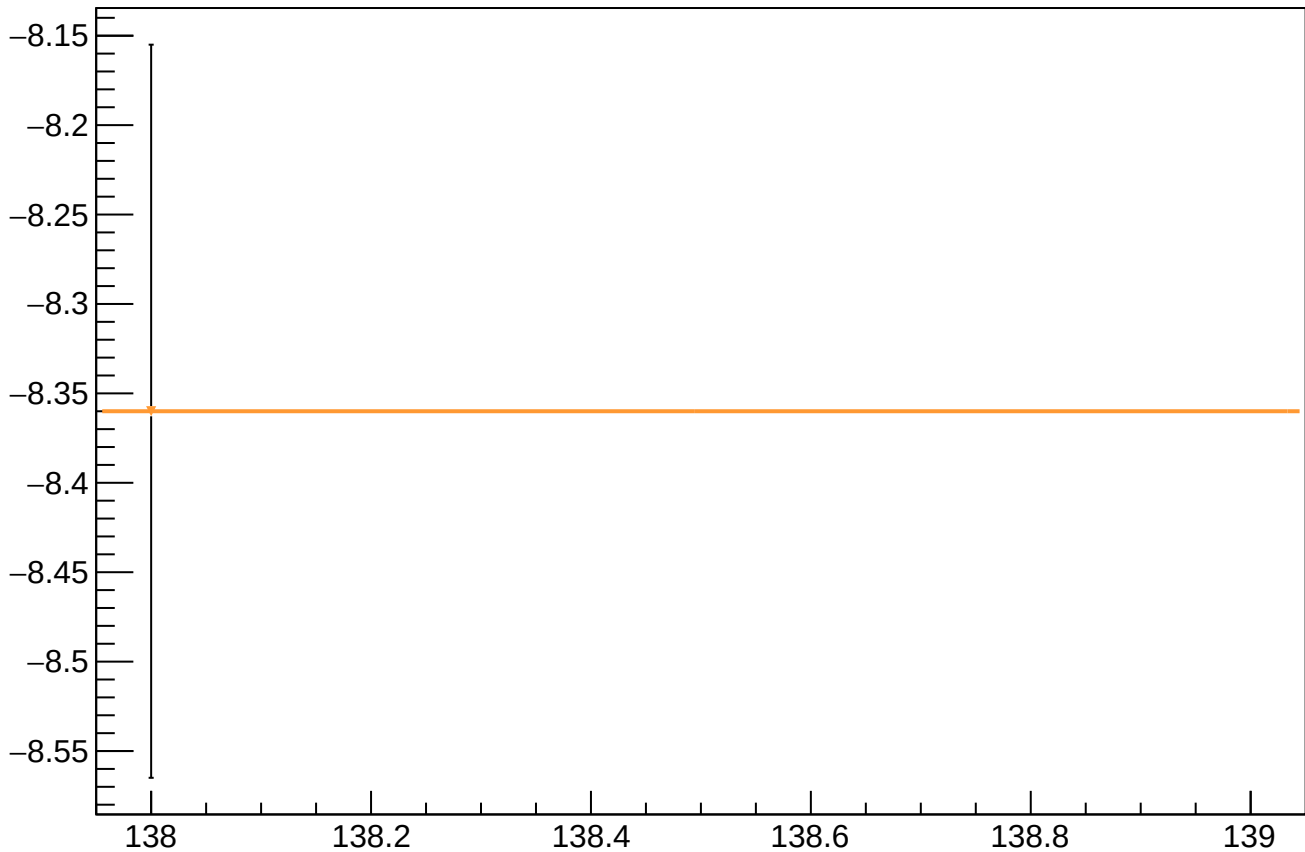
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.184 $\pm$ 0.004  $\chi^2$ /NDF: 708.6/17

All: 0.199 $\pm$ 0.003  $\chi^2$ /NDF: 1744.3/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -8.360+/-0.205  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

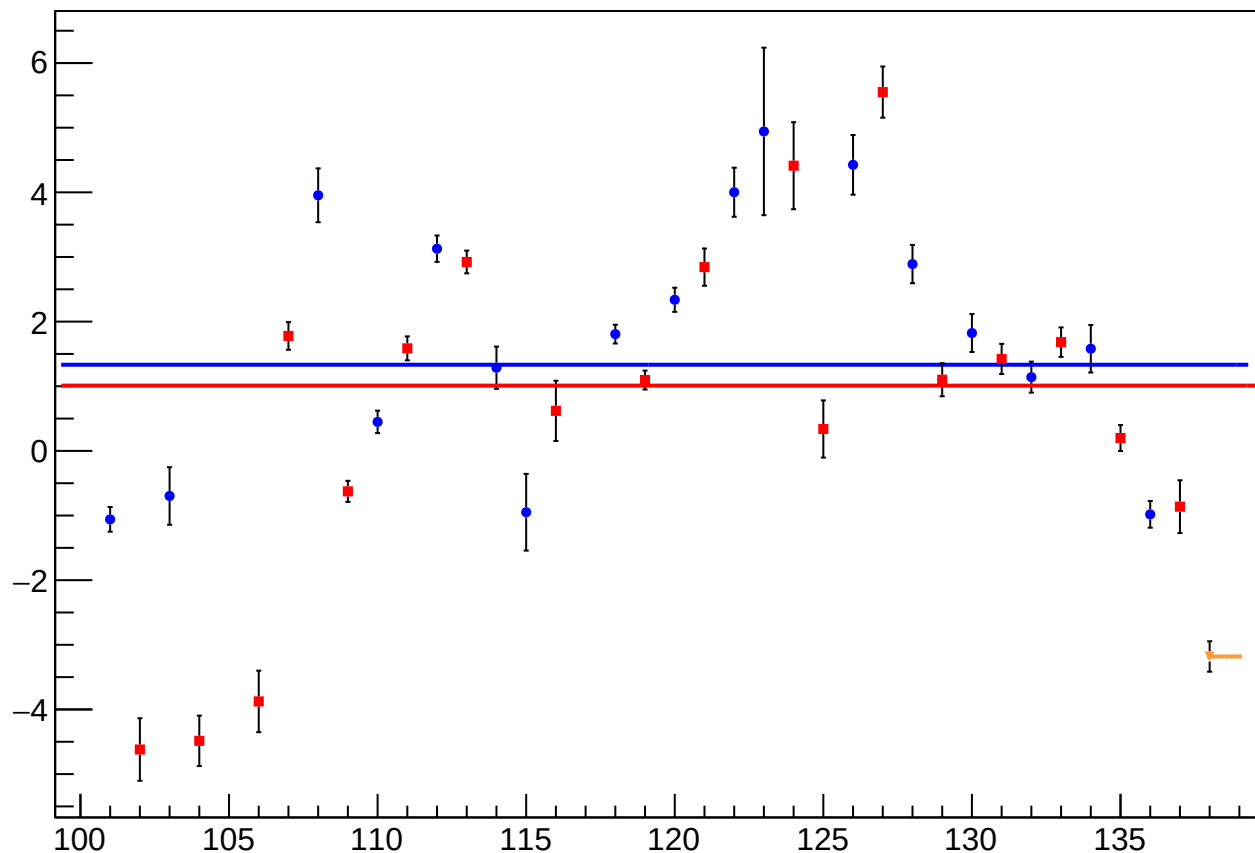
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -8.360+/-0.205  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs Slug



Right In: 1.333 $\pm$ 0.061  $\chi^2$ /NDF: 634.6/16

Left Out: -3.180 $\pm$ 0.236  $\chi^2$ /NDF: 0.0/0

Right Out: 1.010 $\pm$ 0.058  $\chi^2$ /NDF: 930.3/17

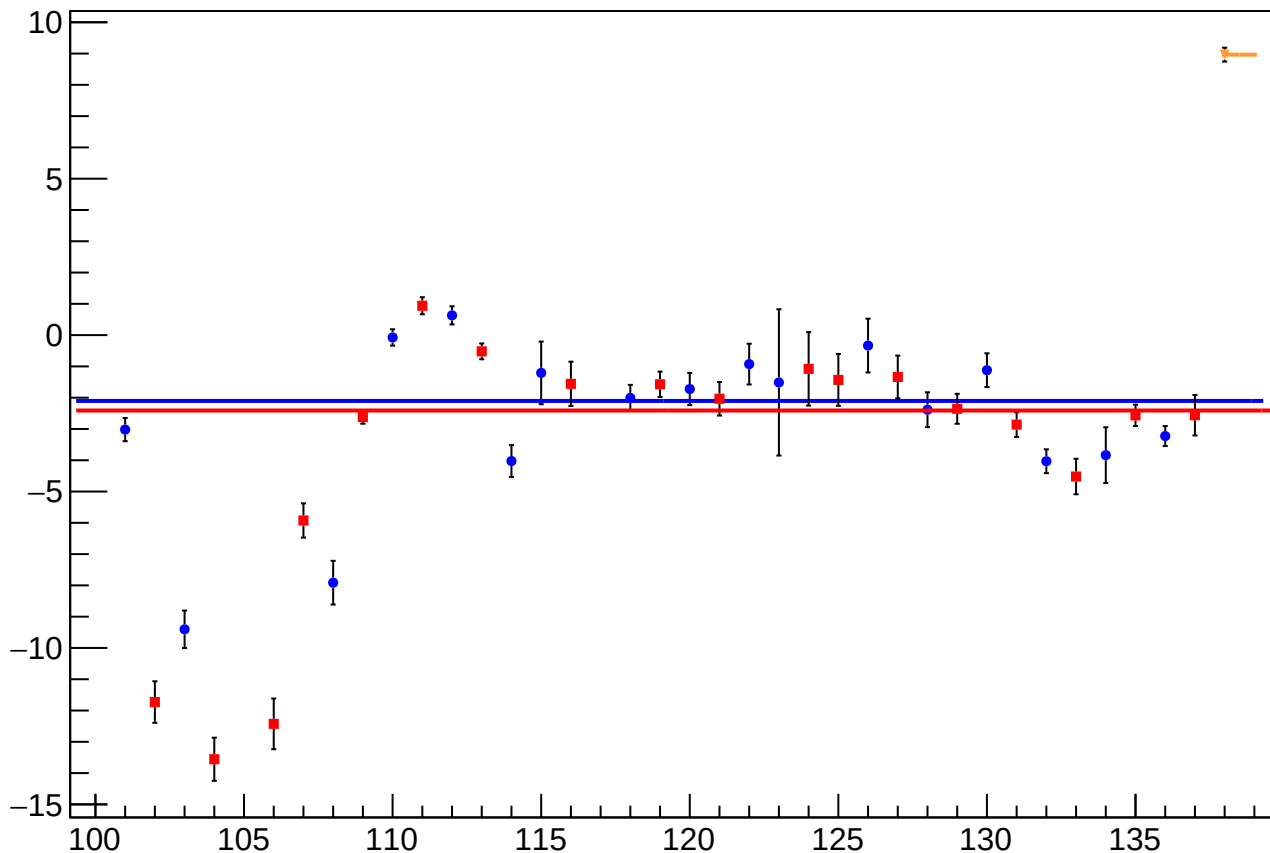
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1.048 $\pm$ 0.059  $\chi^2$ /NDF: 978.5/17

All: 1.028 $\pm$ 0.041  $\chi^2$ /NDF: 1909.0/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs Slug



Right In:  $-2.104 \pm 0.111$   $\chi^2/\text{NDF}$ : 440.3/16

Left Out:  $8.966 \pm 0.223$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.410 \pm 0.099$   $\chi^2/\text{NDF}$ : 886.9/17

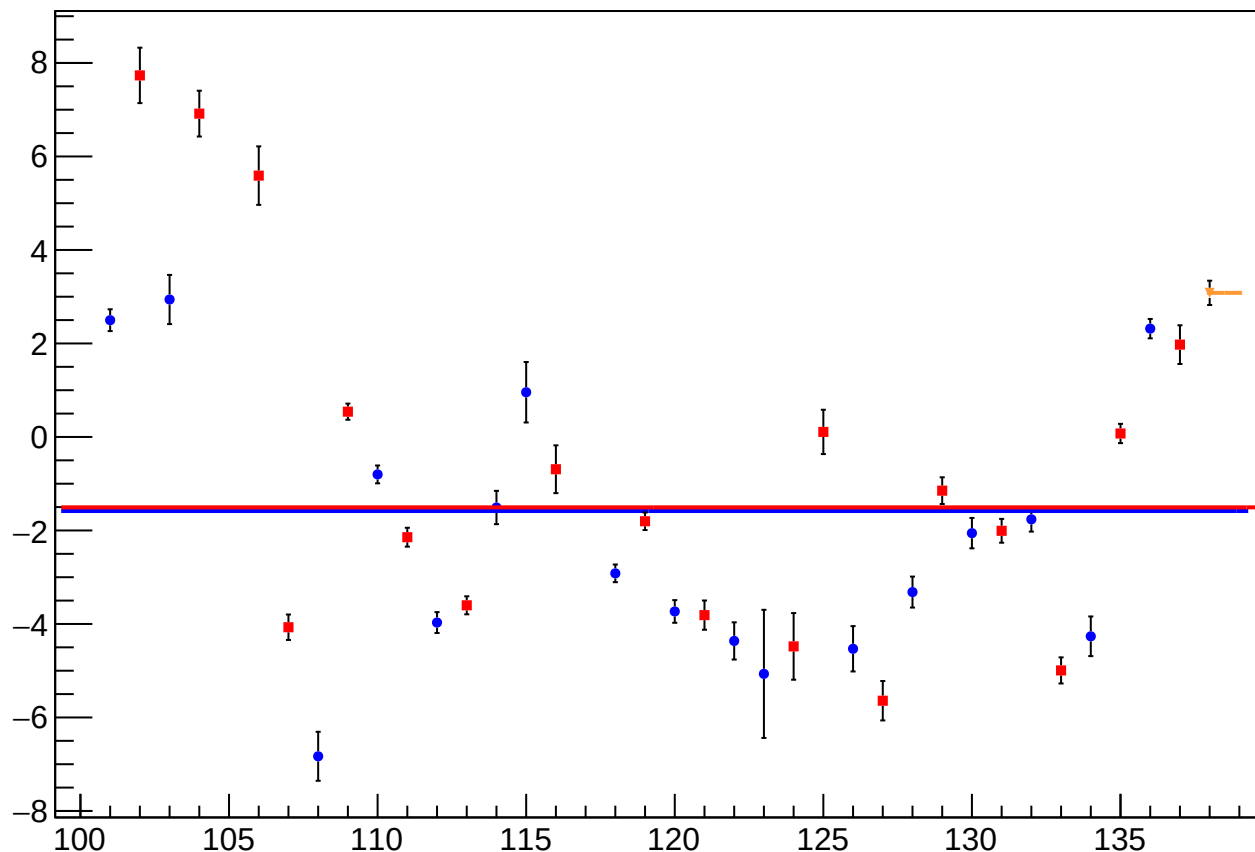
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.097 \pm 0.099$   $\chi^2/\text{NDF}$ : 2421.7/17

All:  $-1.157 \pm 0.070$   $\chi^2/\text{NDF}$ : 3627.6/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs Slug



Right In: -1.584 $\pm$ 0.070  $\chi^2$ /NDF: 1272.1/16

Left Out: 3.083 $\pm$ 0.260  $\chi^2$ /NDF: 0.0/0

Right Out: -1.506 $\pm$ 0.066  $\chi^2$ /NDF: 1499.8/17

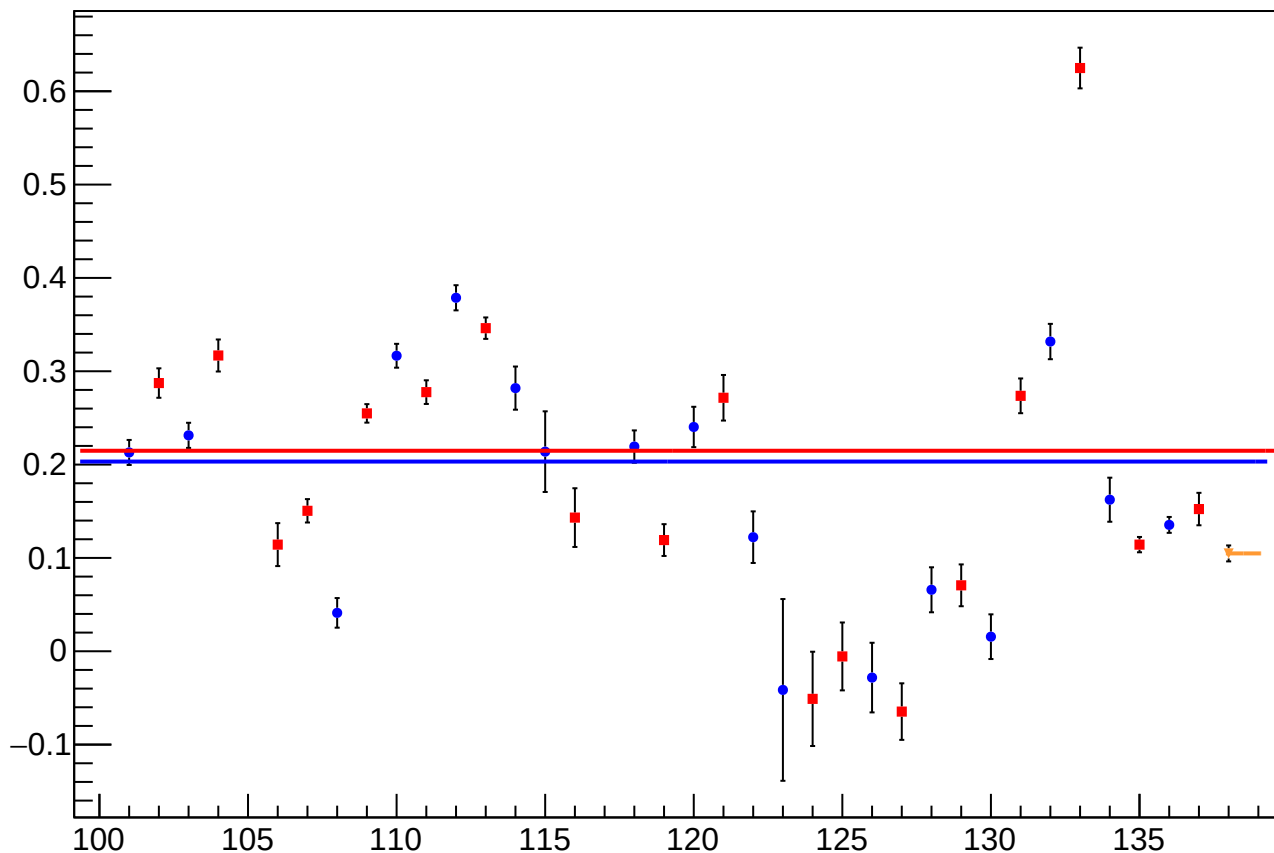
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign -1.265 $\pm$ 0.068  $\chi^2$ /NDF: 1572.5/17

All: -1.389 $\pm$ 0.047  $\chi^2$ /NDF: 3078.8/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug



Right In: 0.203+/-0.004  $\chi^2/\text{NDF}$ : 632.8/16

Left Out: 0.105+/-0.009  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.215+/-0.004  $\chi^2/\text{NDF}$ : 1033.0/17

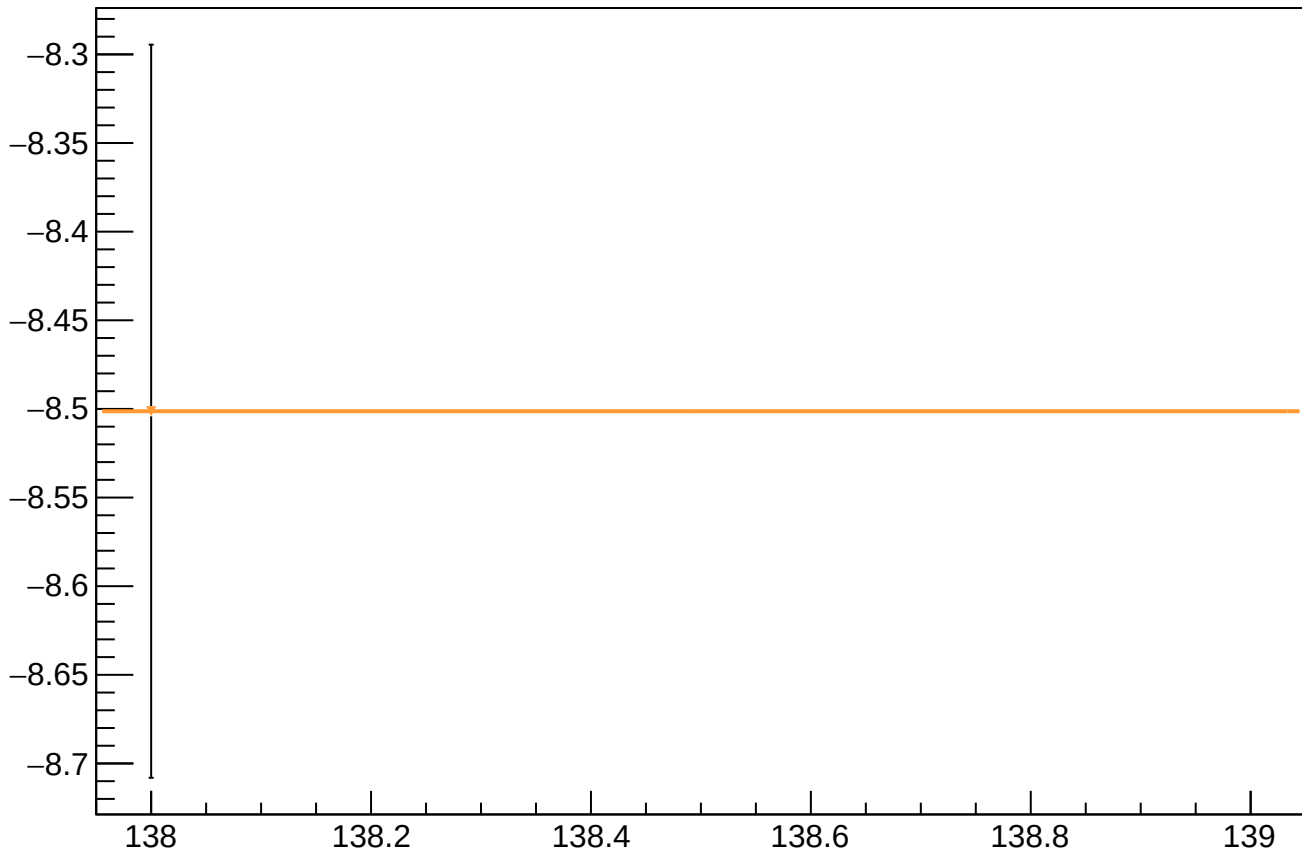
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.185+/-0.004  $\chi^2/\text{NDF}$ : 740.2/17

All: 0.200+/-0.003  $\chi^2/\text{NDF}$ : 1806.3/35

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_ds\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -8.501+/-0.207  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

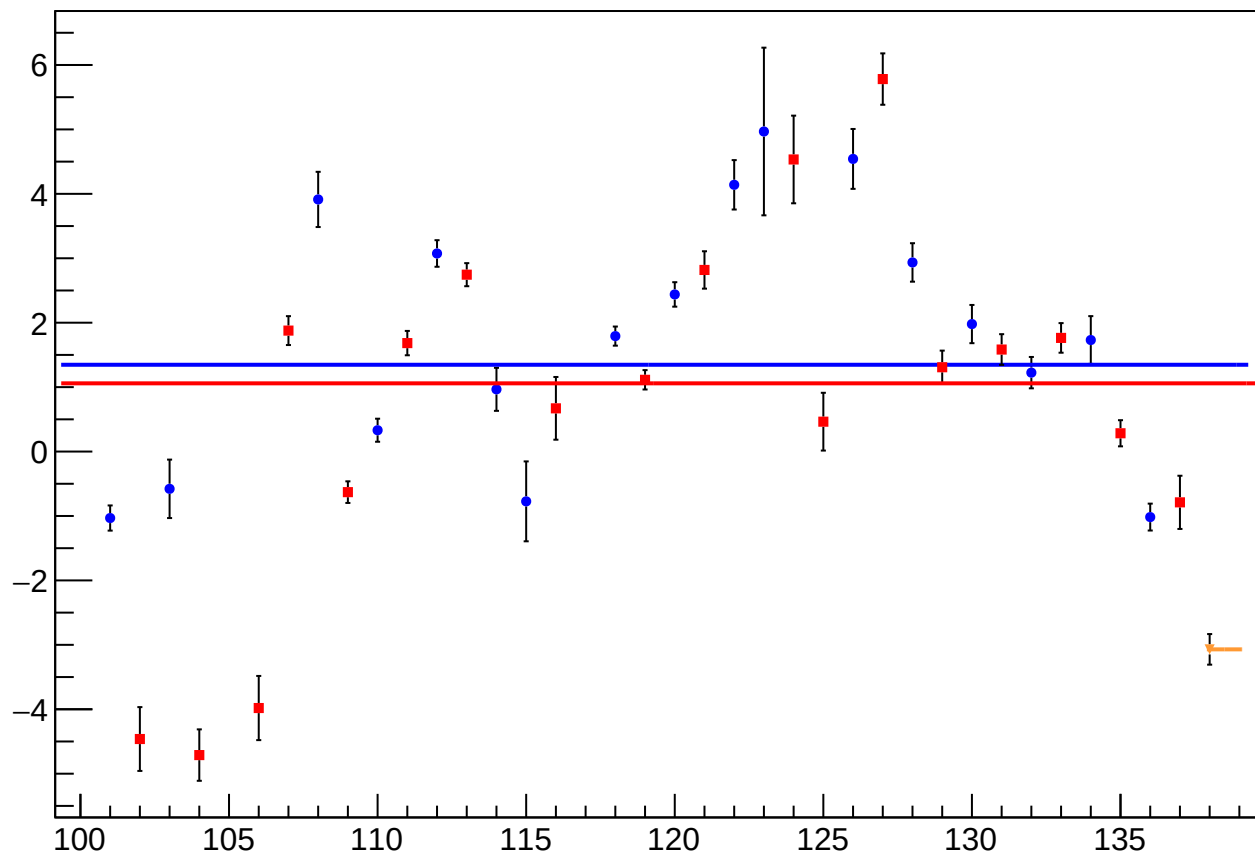
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -8.501+/-0.207  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug



Right In:  $1.347 \pm 0.062$   $\chi^2/\text{NDF}$ : 630.1/16

Left Out:  $-3.070 \pm 0.237$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $1.059 \pm 0.059$   $\chi^2/\text{NDF}$ : 905.3/17

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

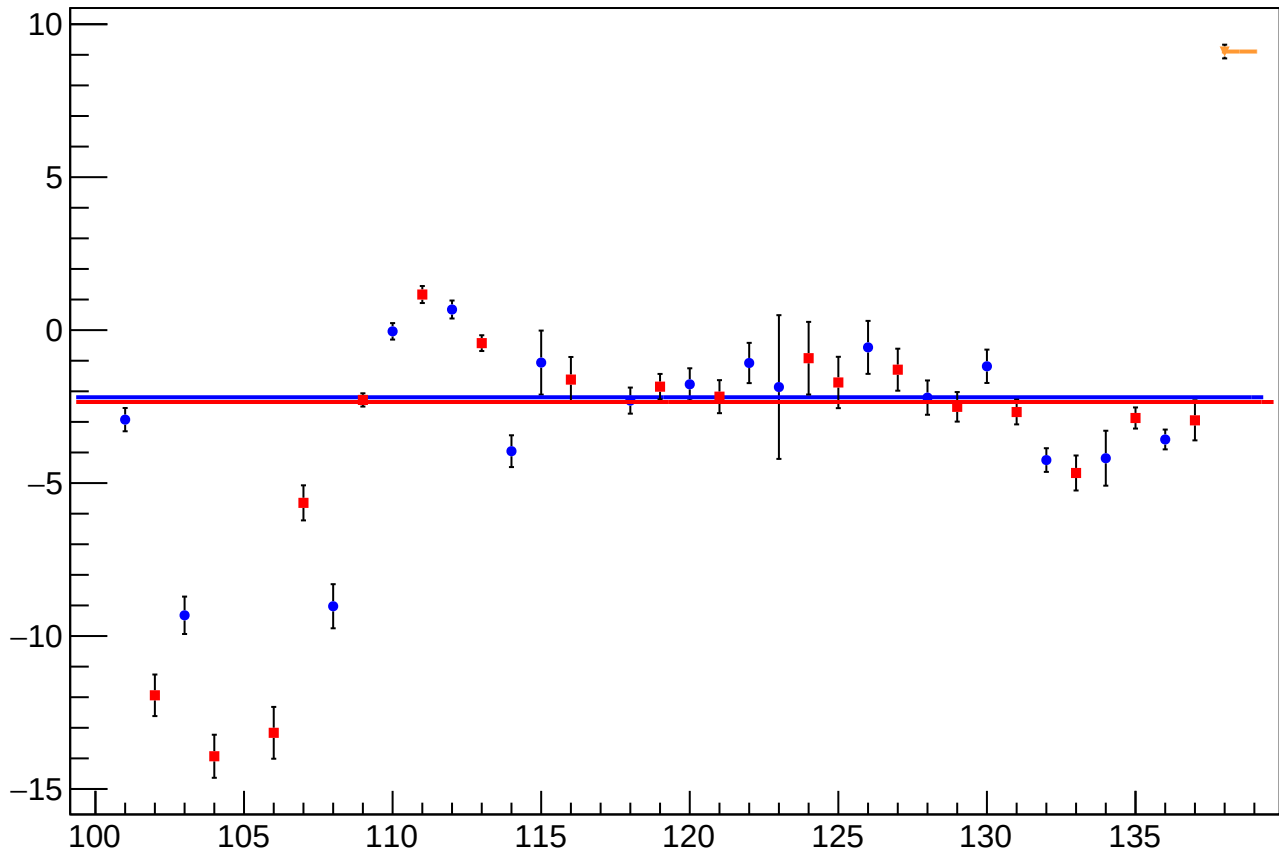
+ sign  $1.063 \pm 0.060$   $\chi^2/\text{NDF}$ : 953.8/17

All:  $1.061 \pm 0.042$   $\chi^2/\text{NDF}$ : 1859.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug



Right In:  $-2.194 \pm 0.113$   $\chi^2/\text{NDF}: 463.5/16$

Left Out:  $9.107 \pm 0.225$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-2.350 \pm 0.101$   $\chi^2/\text{NDF}: 908.5/17$

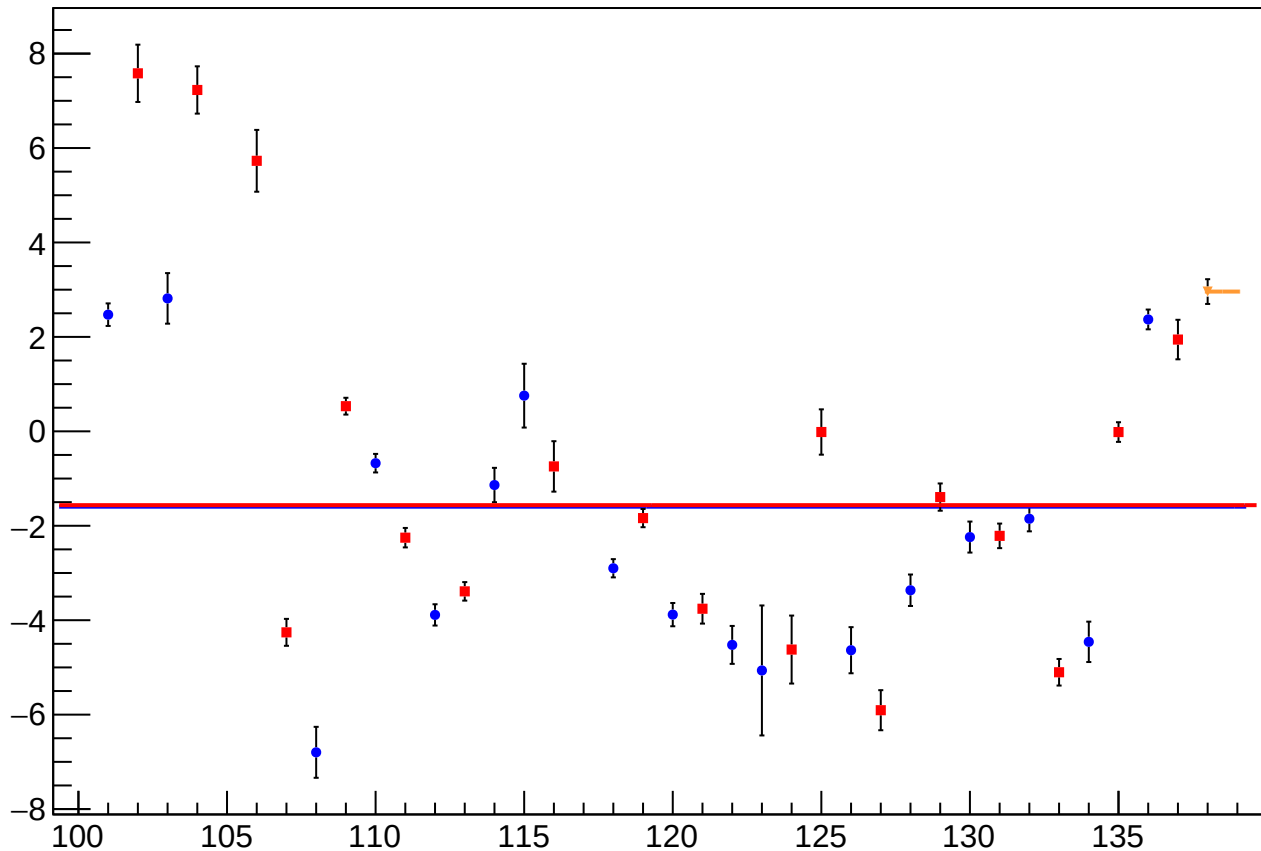
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.085 \pm 0.101$   $\chi^2/\text{NDF}: 2485.9/17$

All:  $-1.126 \pm 0.071$   $\chi^2/\text{NDF}: 3684.3/35$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug



Right In:  $-1.595 \pm 0.072$   $\chi^2/\text{NDF}$ : 1255.4/16

Left Out:  $2.960 \pm 0.262$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.564 \pm 0.067$   $\chi^2/\text{NDF}$ : 1461.9/17

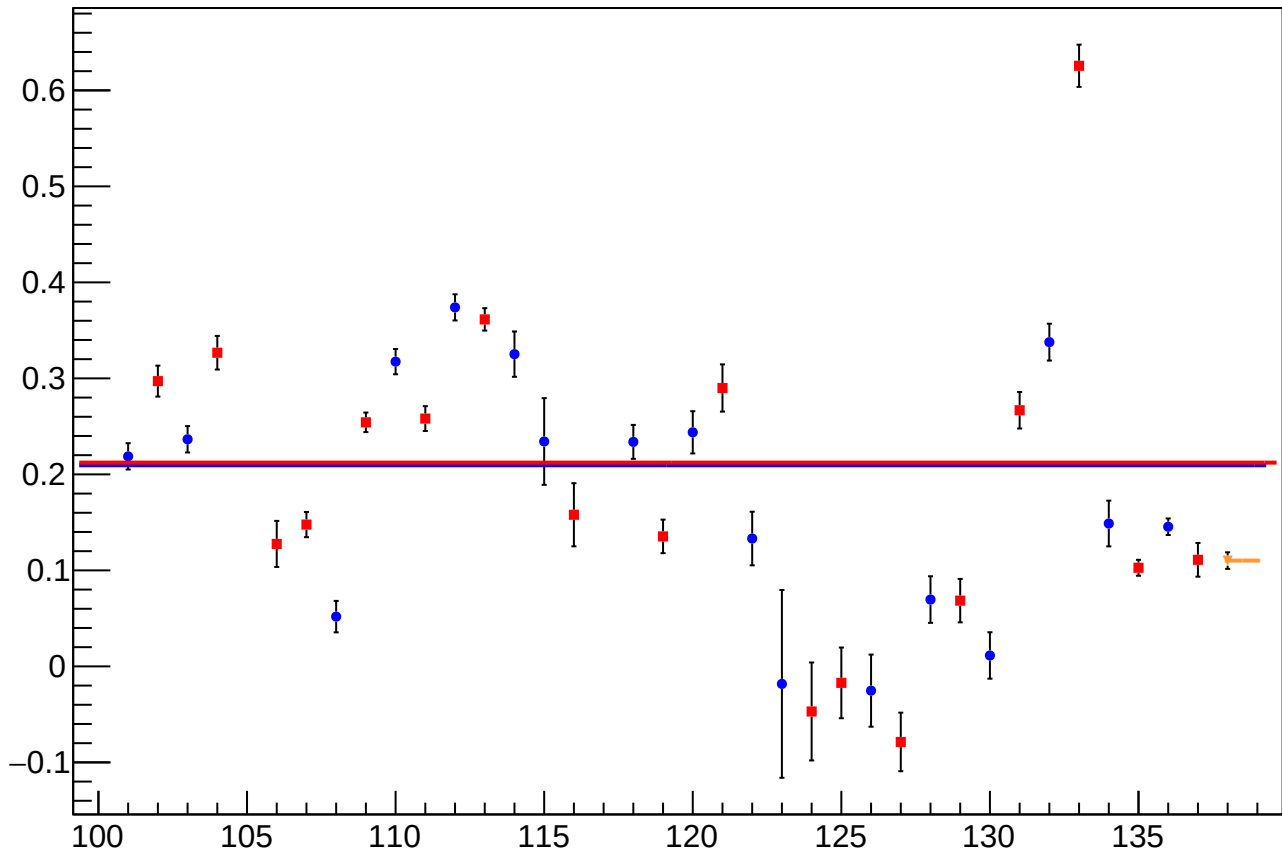
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-1.278 \pm 0.069$   $\chi^2/\text{NDF}$ : 1536.5/17

All:  $-1.425 \pm 0.048$   $\chi^2/\text{NDF}$ : 3007.1/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_ds\_diff\_bpm12X\_slope vs Slug



Right In: 0.210 $\pm$ 0.004  $\chi^2$ /NDF: 597.7/16

Left Out: 0.110 $\pm$ 0.009  $\chi^2$ /NDF: 0.0/0

Right Out: 0.212 $\pm$ 0.004  $\chi^2$ /NDF: 1096.9/17

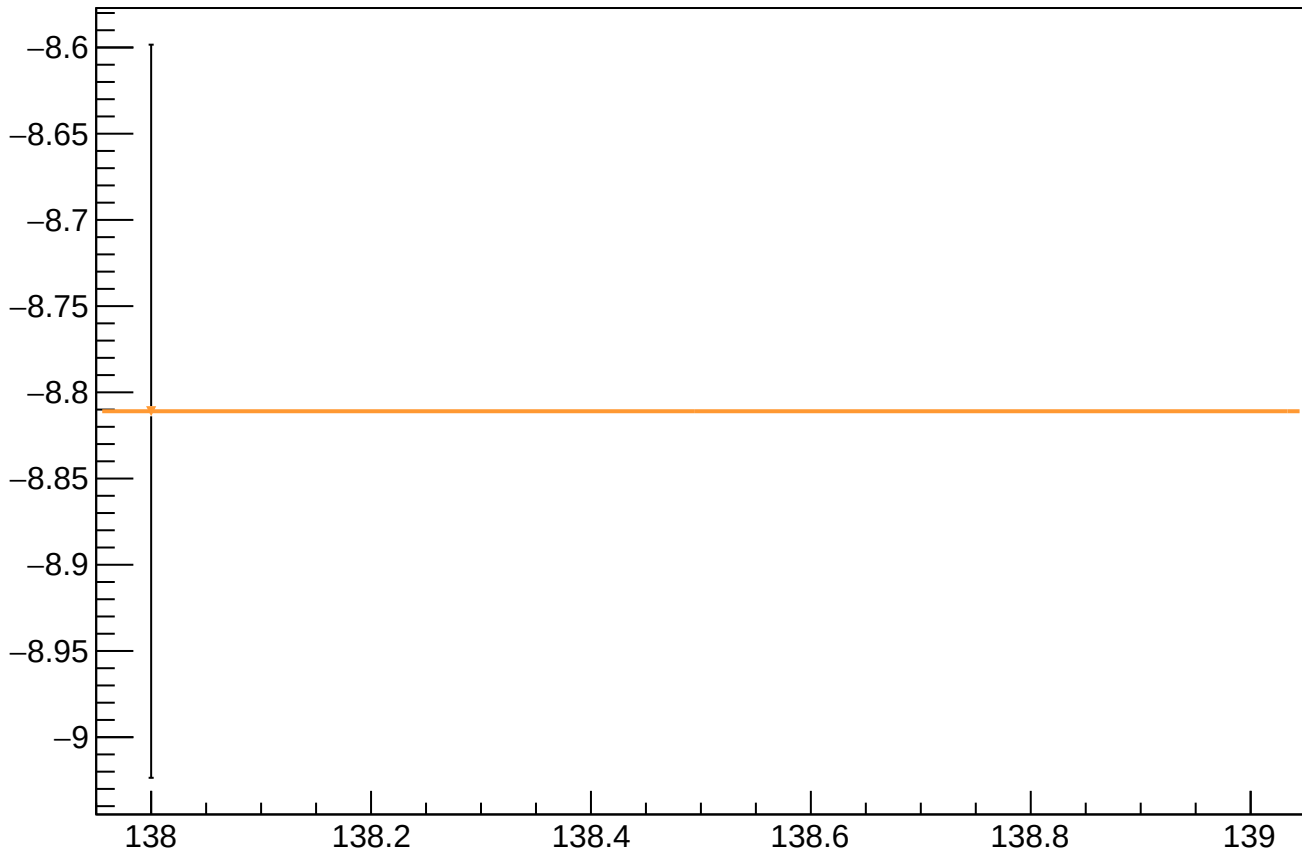
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.190 $\pm$ 0.004  $\chi^2$ /NDF: 704.9/17

All: 0.201 $\pm$ 0.003  $\chi^2$ /NDF: 1818.5/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_dg\_us\_diff\_bpm1X\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -8.811+/-0.213  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

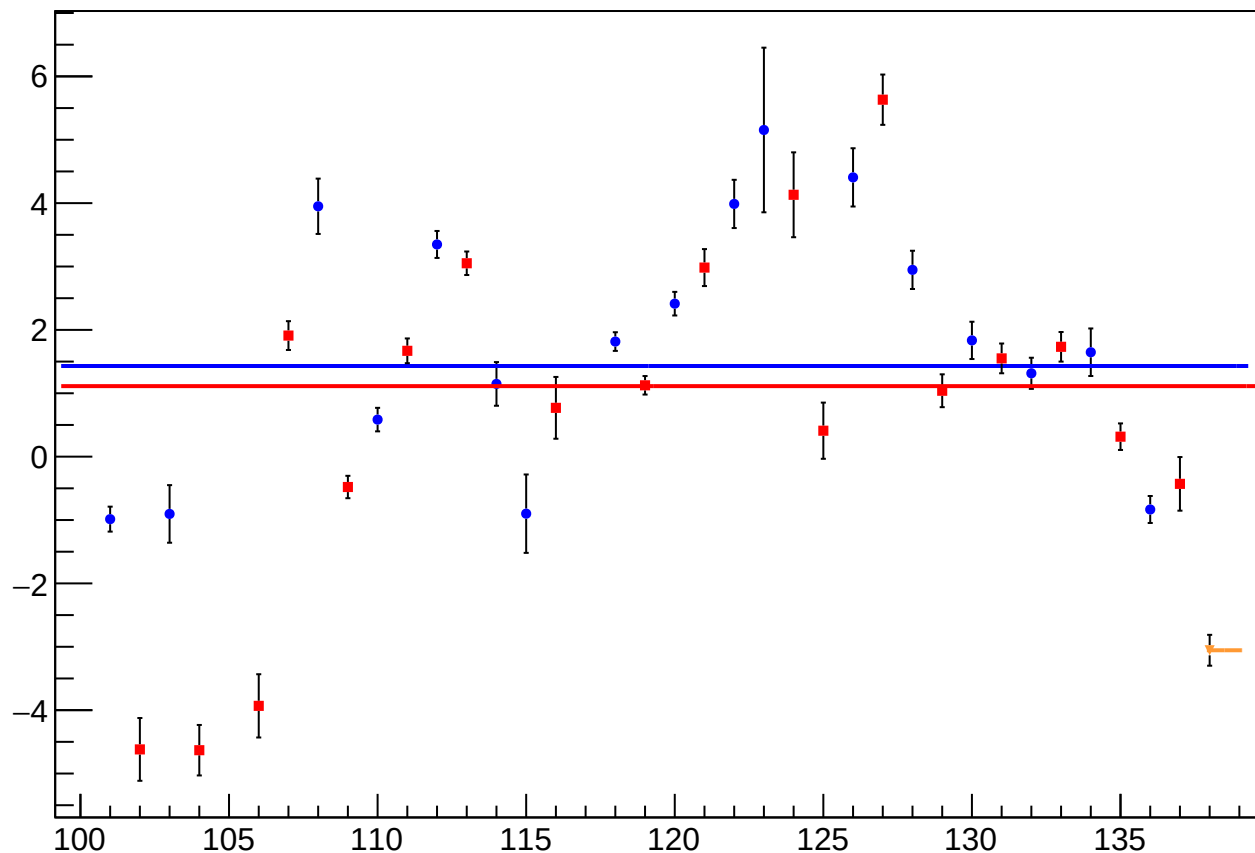
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -8.811+/-0.213  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug



Right In: 1.430 $\pm$ 0.063  $\chi^2$ /NDF: 598.0/16

Left Out: -3.055 $\pm$ 0.244  $\chi^2$ /NDF: 0.0/0

Right Out: 1.113 $\pm$ 0.060  $\chi^2$ /NDF: 887.6/17

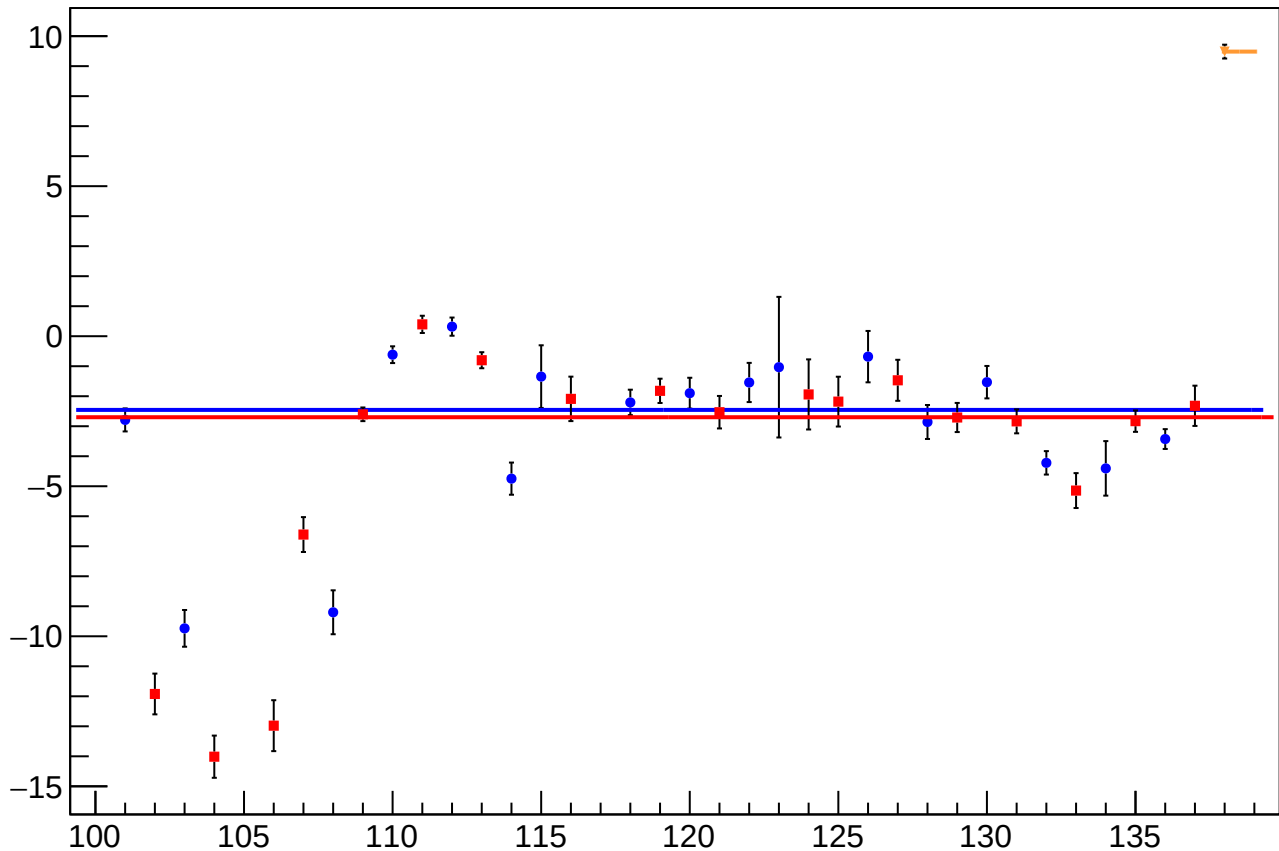
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 1.150 $\pm$ 0.061  $\chi^2$ /NDF: 916.1/17

All: 1.131 $\pm$ 0.043  $\chi^2$ /NDF: 1803.9/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs Slug



Right In:  $-2.456 \pm 0.115$   $\chi^2/\text{NDF}$ : 419.1/16

Left Out:  $9.485 \pm 0.231$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.700 \pm 0.104$   $\chi^2/\text{NDF}$ : 829.7/17

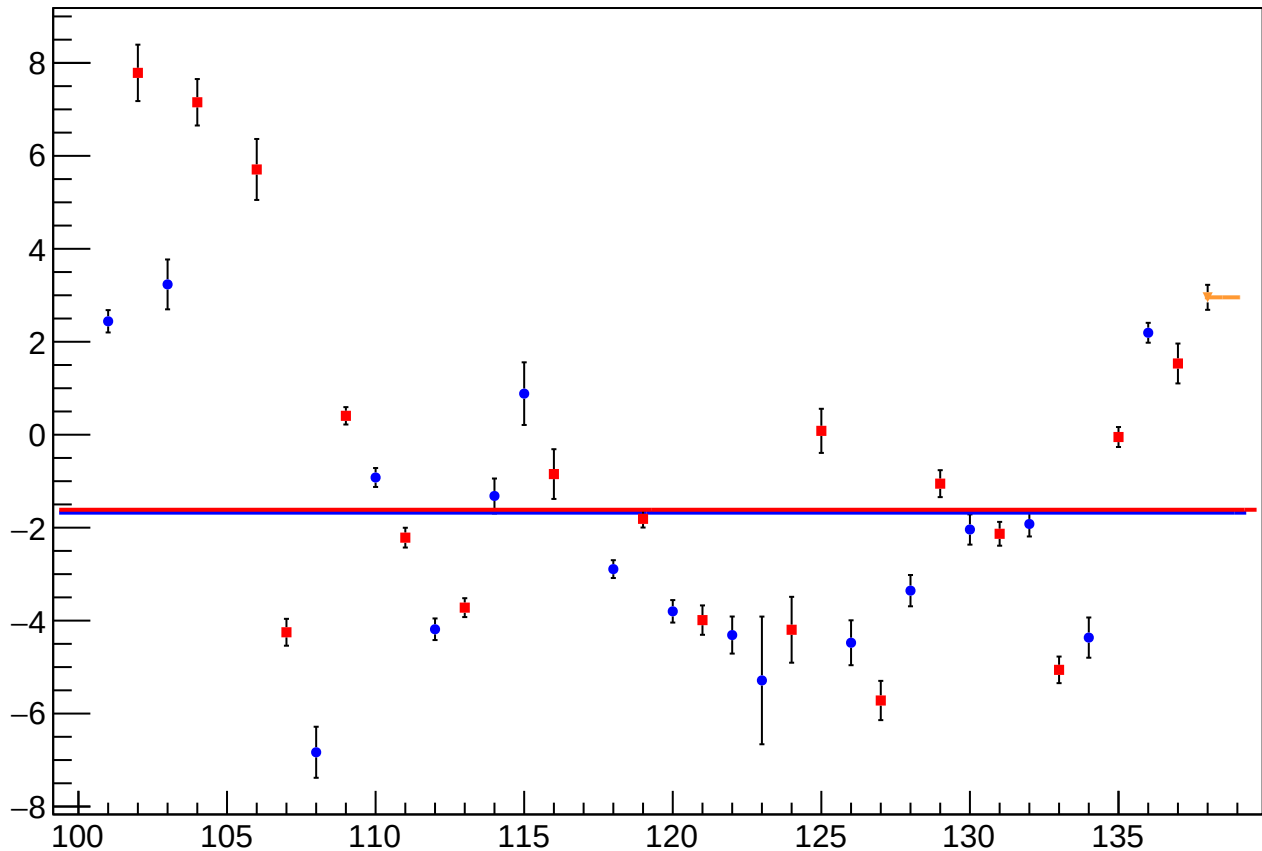
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-0.096 \pm 0.103$   $\chi^2/\text{NDF}$ : 2566.0/17

All:  $-1.386 \pm 0.073$   $\chi^2/\text{NDF}$ : 3714.7/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs Slug



Right In:  $-1.677 \pm 0.072$   $\chi^2/\text{NDF}$ : 1204.7/16

Left Out:  $2.956 \pm 0.269$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.615 \pm 0.068$   $\chi^2/\text{NDF}$ : 1427.3/17

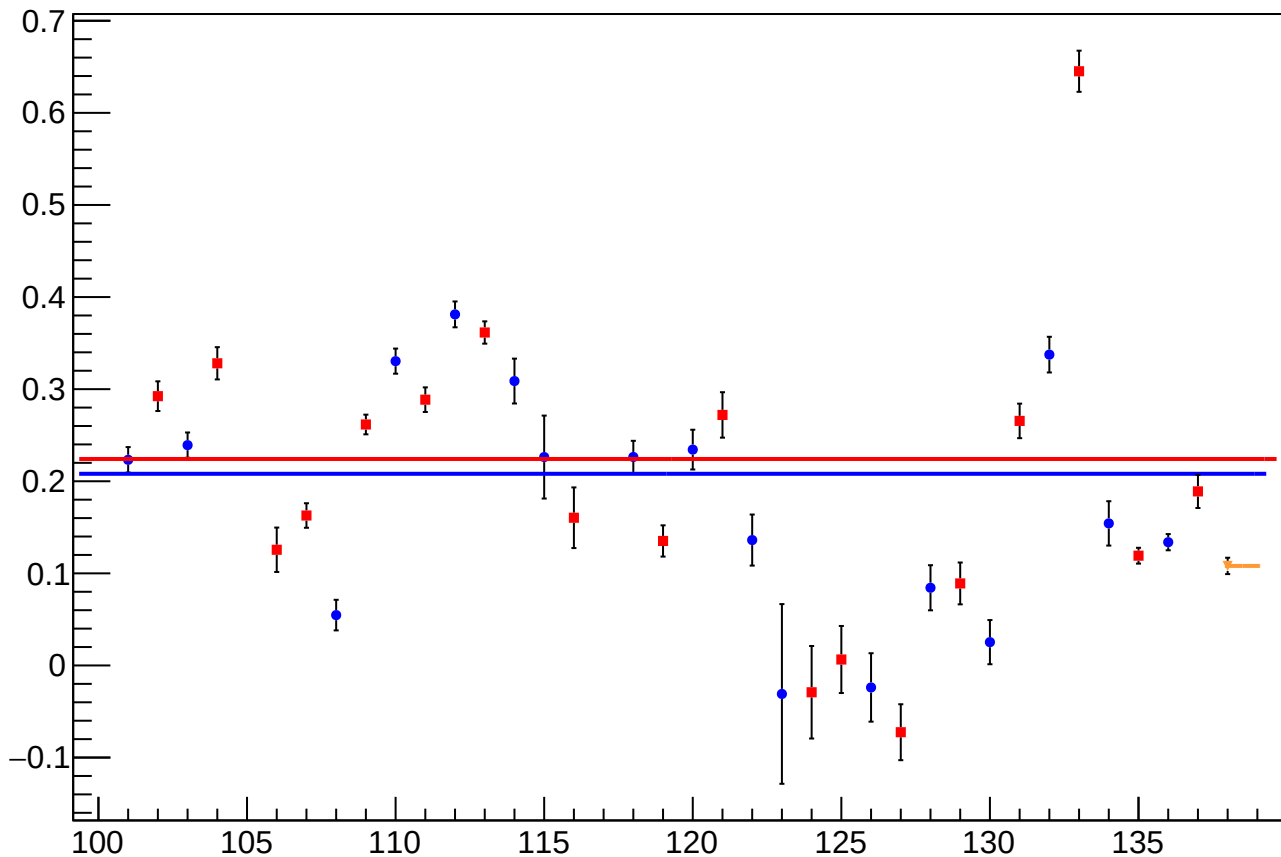
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $-1.364 \pm 0.070$   $\chi^2/\text{NDF}$ : 1481.4/17

All:  $-1.493 \pm 0.049$   $\chi^2/\text{NDF}$ : 2915.4/35

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_us\_diff\_bpm12X\_slope vs Slug



Right In: 0.208 $\pm$ 0.004  $\chi^2$ /NDF: 600.2/16

Left Out: 0.108 $\pm$ 0.009  $\chi^2$ /NDF: 0.0/0

Right Out: 0.224 $\pm$ 0.004  $\chi^2$ /NDF: 995.8/17

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.189 $\pm$ 0.004  $\chi^2$ /NDF: 703.4/17

All: 0.207 $\pm$ 0.003  $\chi^2$ /NDF: 1740.1/35

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0