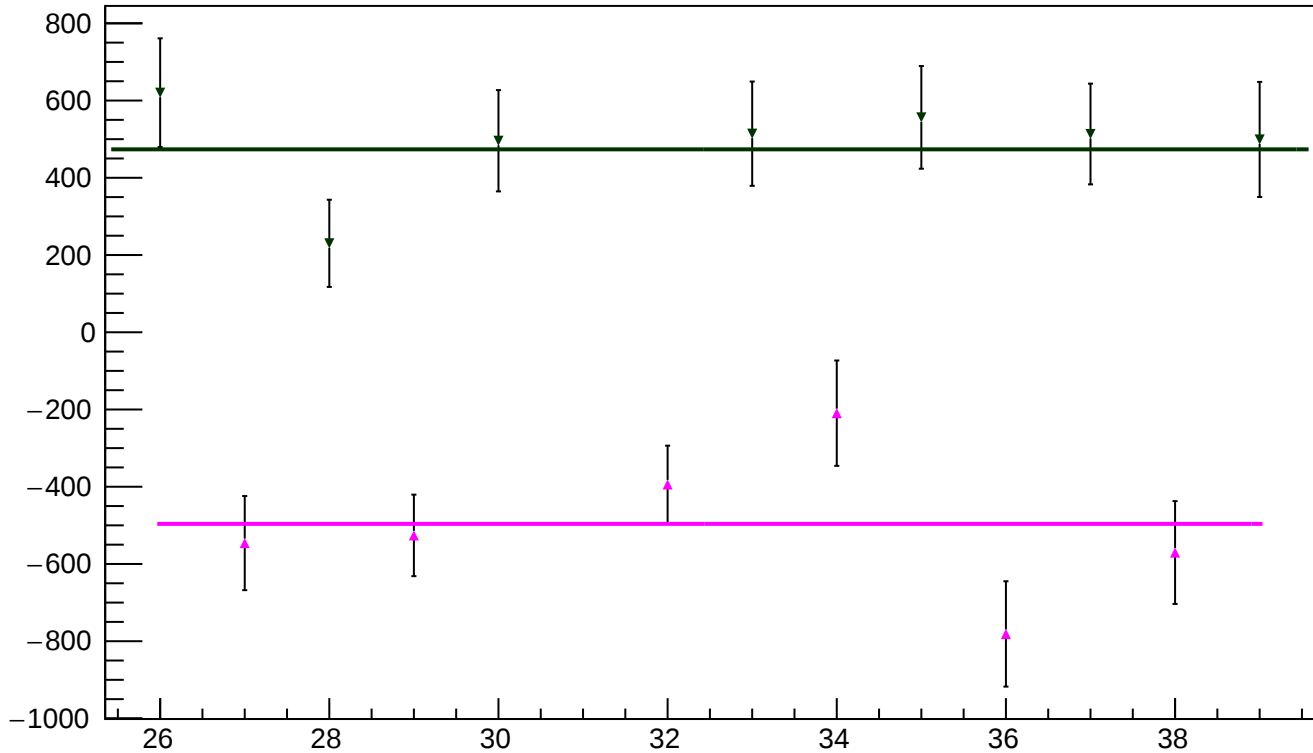


# reg\_asym\_us\_avg\_mean vs slug



Right In: 0.000+/-0.000

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

Left Out: 473.648+/-49.858

$\chi^2/\text{NDF}$ : 6.4/6

473.648+/-49.858

$\chi^2/\text{NDF}$ : 6.4/6

Right Out: 0.000+/-0.000

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

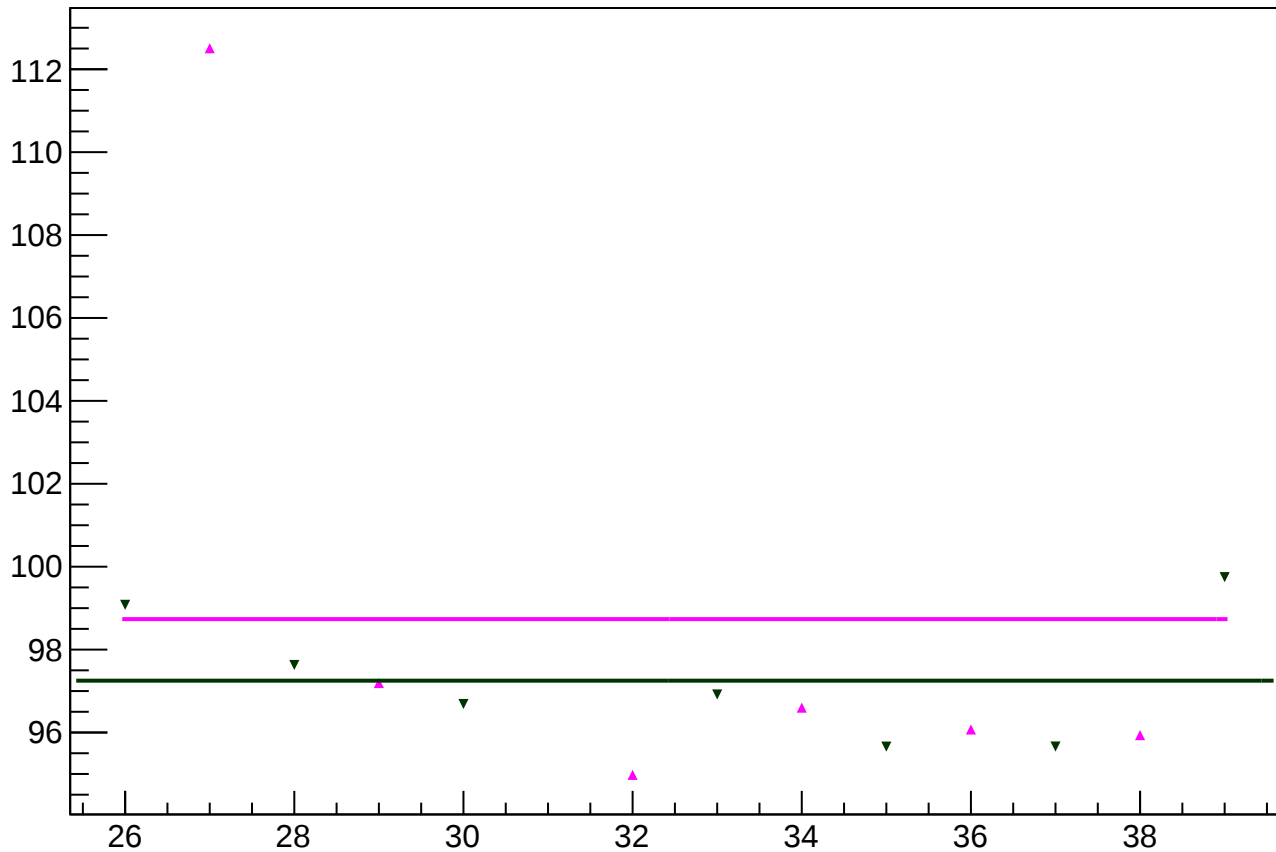
-496.125+/-48.775

$\chi^2/\text{NDF}$ : 10.4/5

Left In: -496.125+/-48.775

$\chi^2/\text{NDF}$ : 10.4/5

# reg\_asym\_us\_avg\_rms vs slug



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

Left Out: 97.251+/-0.035  $\chi^2/\text{NDF}$ :1554.2/6

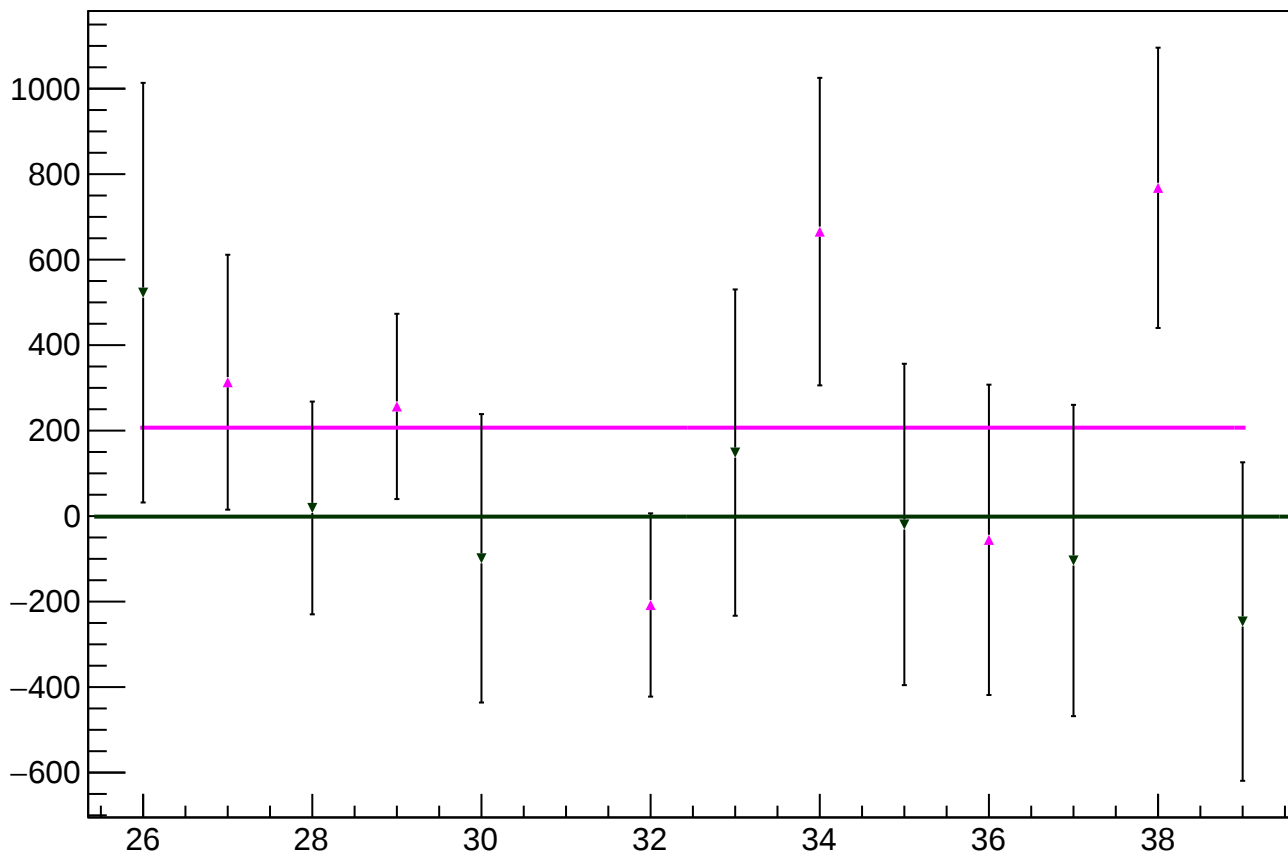
97.251+/-0.035  $\chi^2/\text{NDF}$ : 1554.2/6

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

98.736+/-0.034  $\chi^2/\text{NDF}$ : 30907.8/5

Left In: 98.736+/-0.034  $\chi^2/\text{NDF}$ :30907.8/5

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



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

Left Out: -1.200+/-131.577  $\chi^2/\text{NDF}$ : 1.9/6

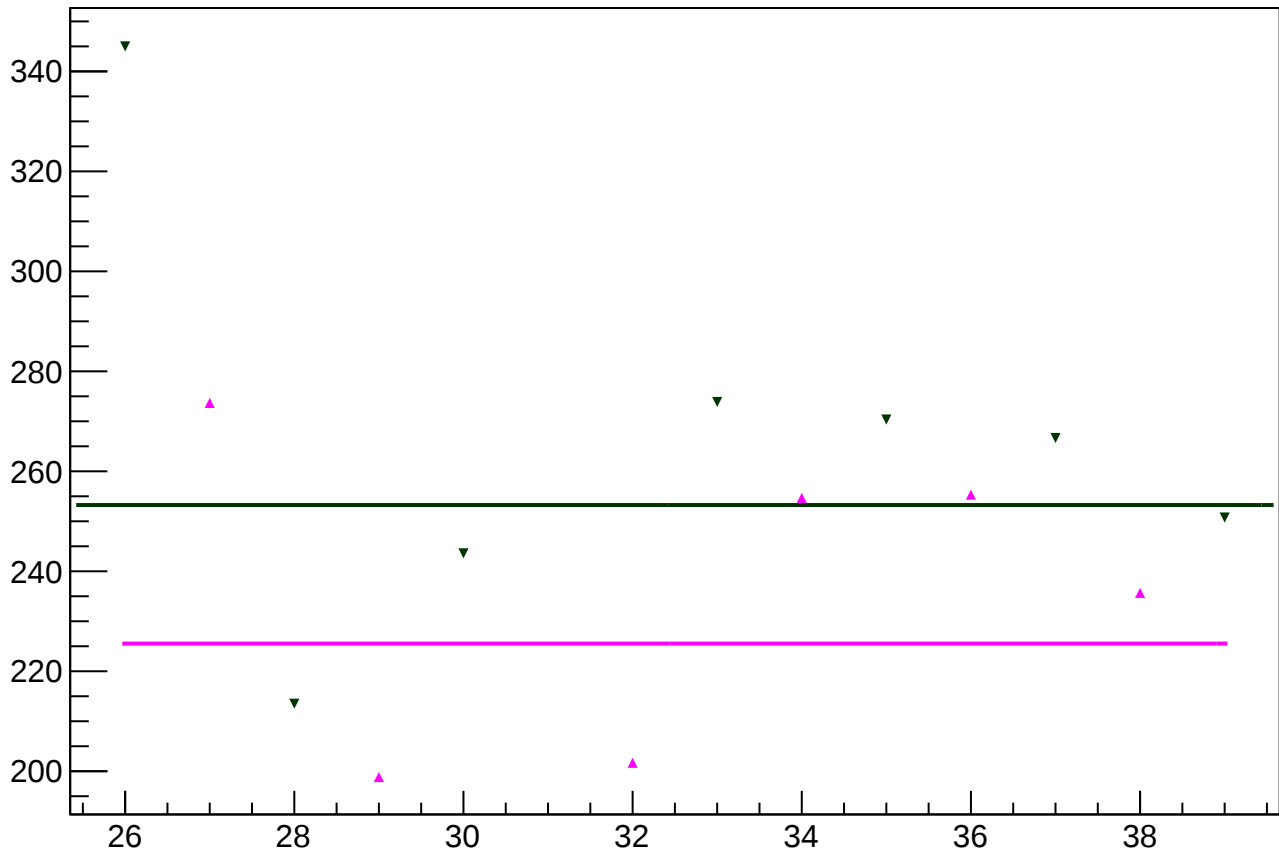
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 206.893+/-112.573  $\chi^2/\text{NDF}$ : 9.0/5

-1.200+/-131.577  $\chi^2/\text{NDF}$ : 1.9/6

206.893+/-112.573  $\chi^2/\text{NDF}$ : 9.0/5

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



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

Left Out: 253.251+/-0.093  $\chi^2/\text{NDF}$ :135287.6/6

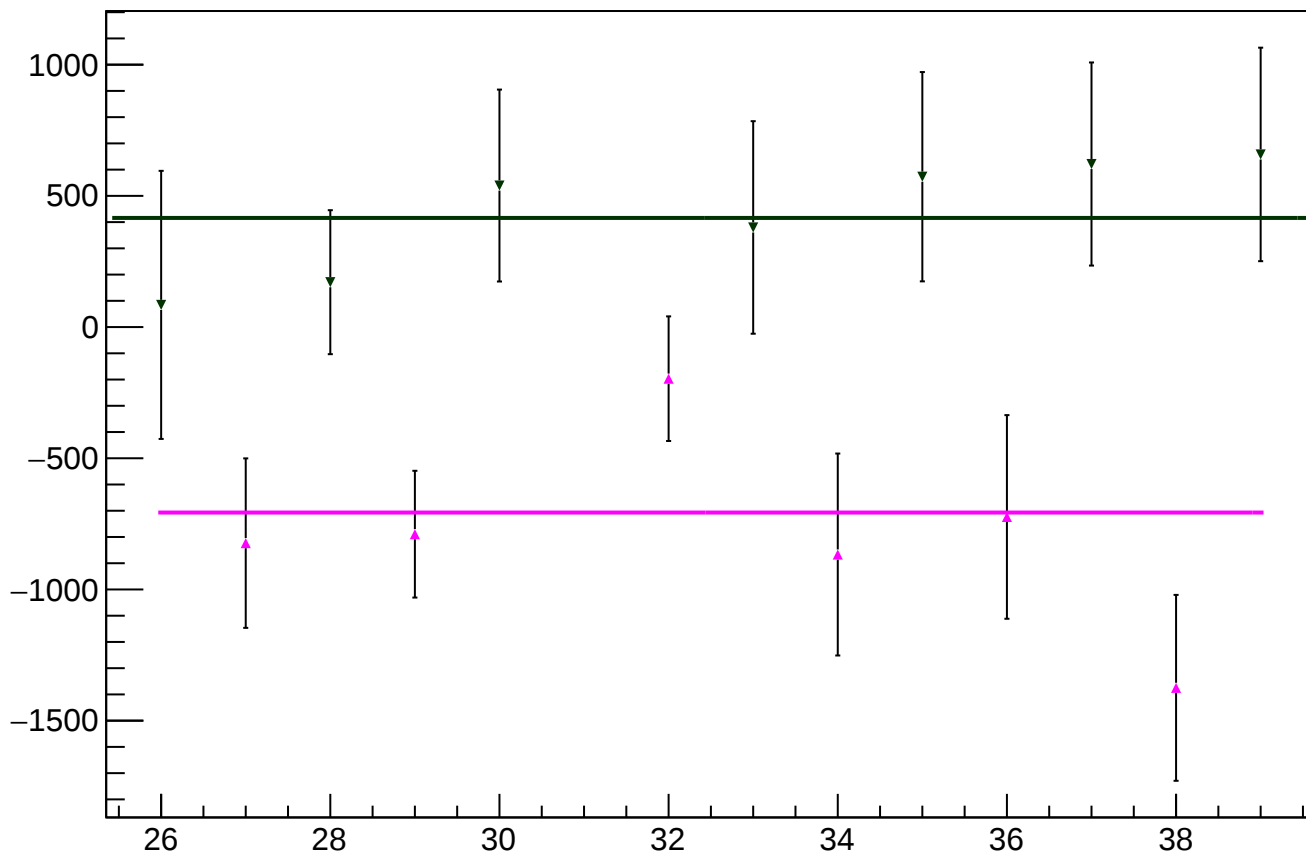
253.251+/-0.093  $\chi^2/\text{NDF}$ : 135287.6/6

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

225.536+/-0.080  $\chi^2/\text{NDF}$ : 135696.1/5

Left In: 225.536+/-0.080  $\chi^2/\text{NDF}$ :135696.1/5

# asym\_us\_avg\_mean vs slug



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

Left Out: 415.940+/-141.860  $\chi^2/\text{NDF}$ : 2.1/6

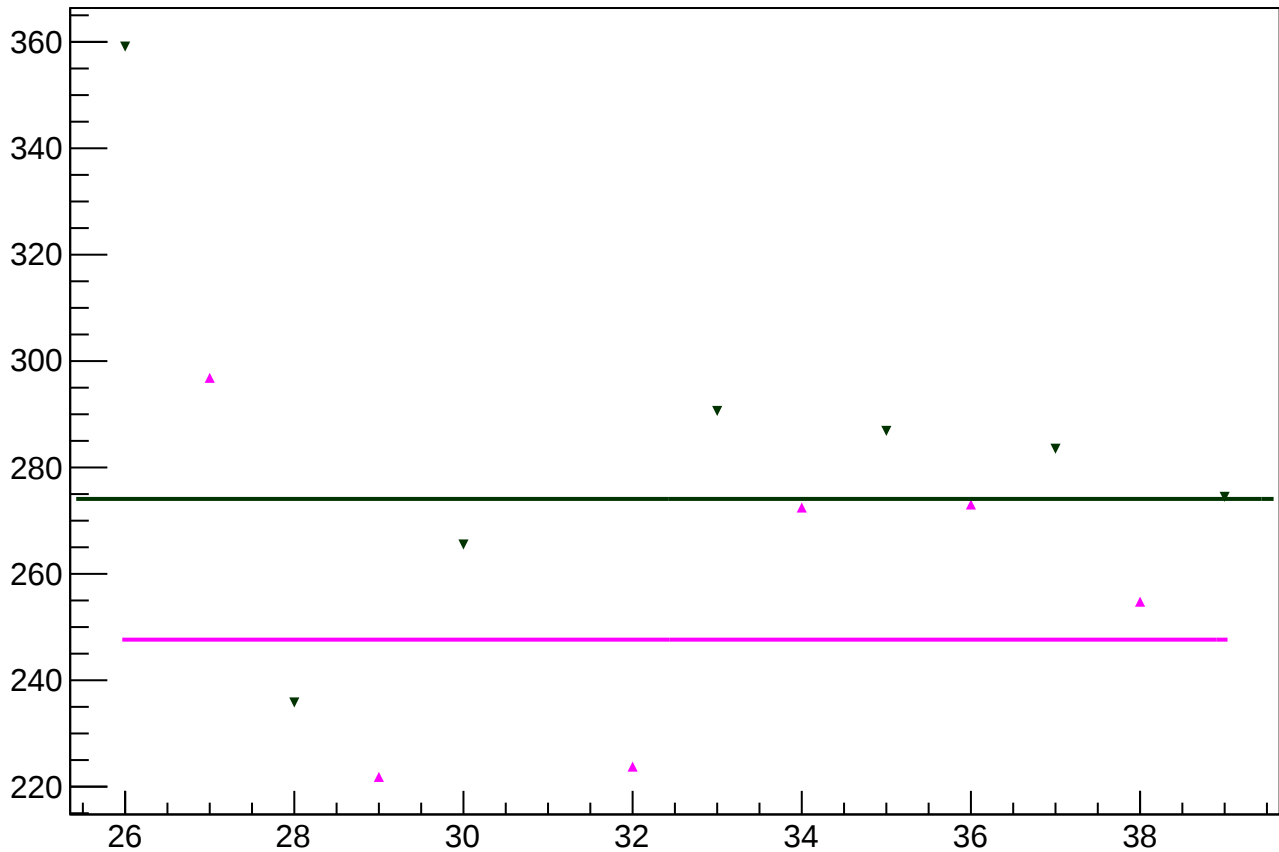
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -706.813+/-123.253  $\chi^2/\text{NDF}$ : 8.6/5

415.940+/-141.860  $\chi^2/\text{NDF}$ : 2.1/6

-706.813+/-123.253  $\chi^2/\text{NDF}$ : 8.6/5

# asym\_us\_avg\_rms vs slug



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

Left Out: 274.089+/-0.100  $\chi^2/\text{NDF}$ : 101978.4/6

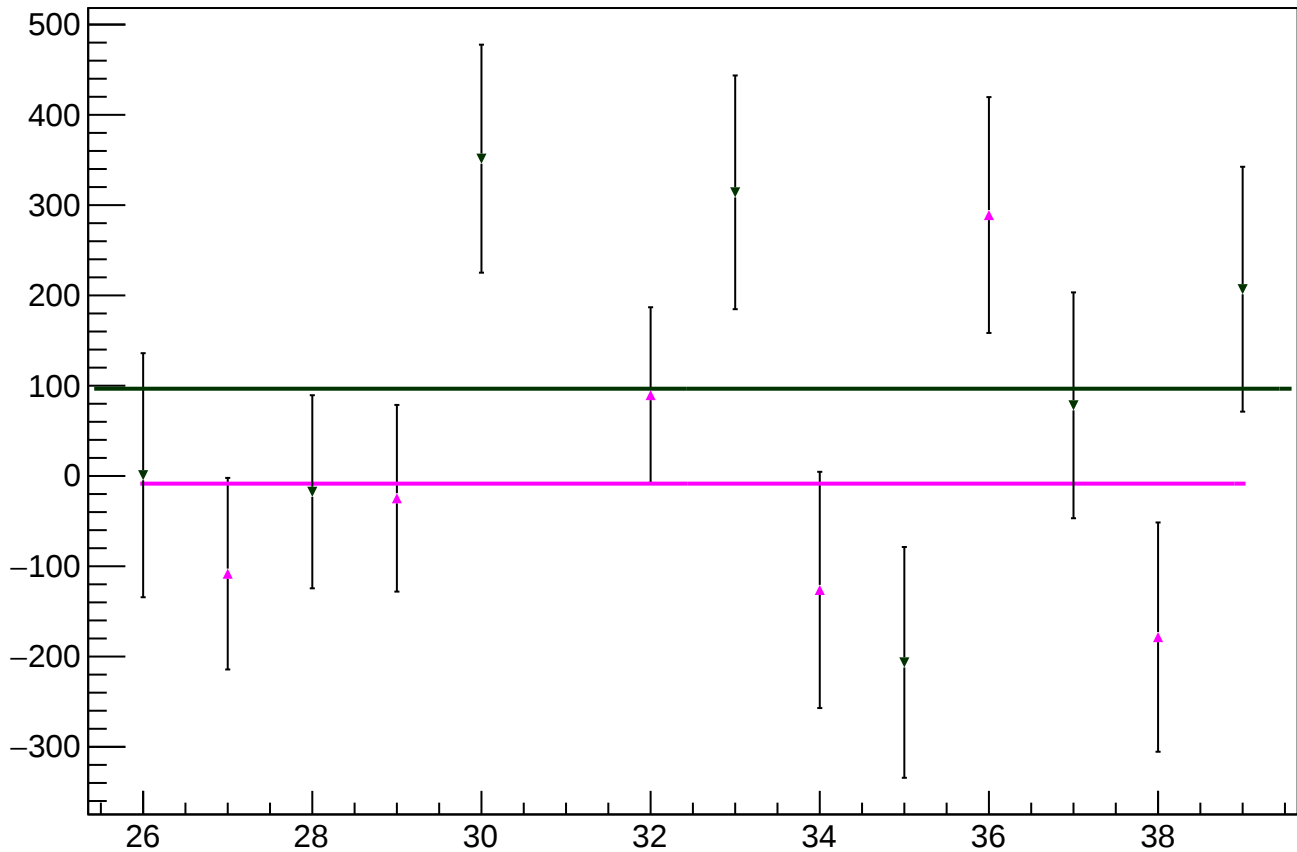
274.089+/-0.100  $\chi^2/\text{NDF}$ : 101978.4/6

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

247.634+/-0.087  $\chi^2/\text{NDF}$ : 107197.2/5

Left In: 247.634+/-0.087  $\chi^2/\text{NDF}$ : 107197.2/5

# reg\_asym\_us\_dd\_mean vs slug



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

Left Out: 96.666+/-47.452  $\chi^2/\text{NDF}$ : 14.8/6

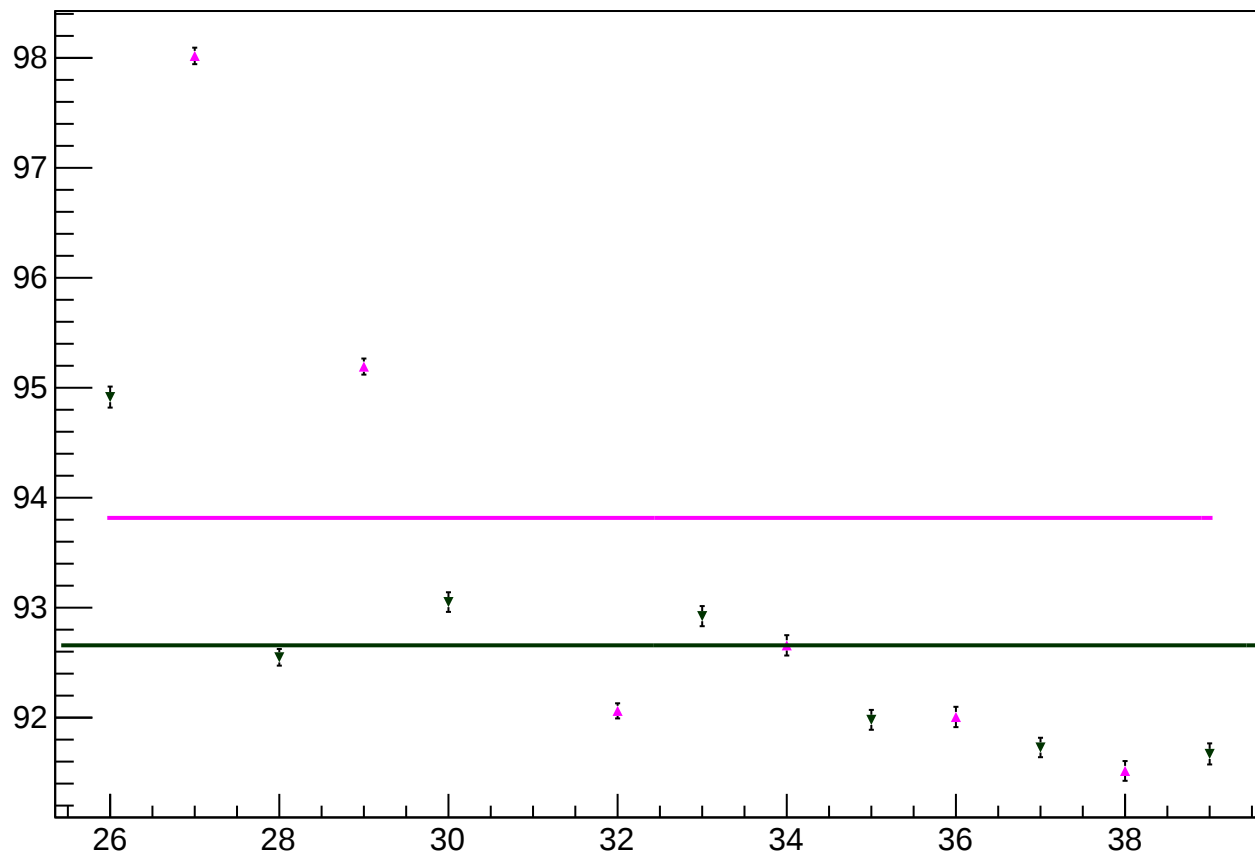
96.666+/-47.452  $\chi^2/\text{NDF}$ : 14.8/6

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

-8.467+/-46.265  $\chi^2/\text{NDF}$ : 9.7/5

Left In: -8.467+/-46.265  $\chi^2/\text{NDF}$ : 9.7/5

# reg\_asym\_us\_dd\_rms vs slug



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

Left Out: 92.657+/-0.034  $\chi^2/\text{NDF}$ : 860.6/6

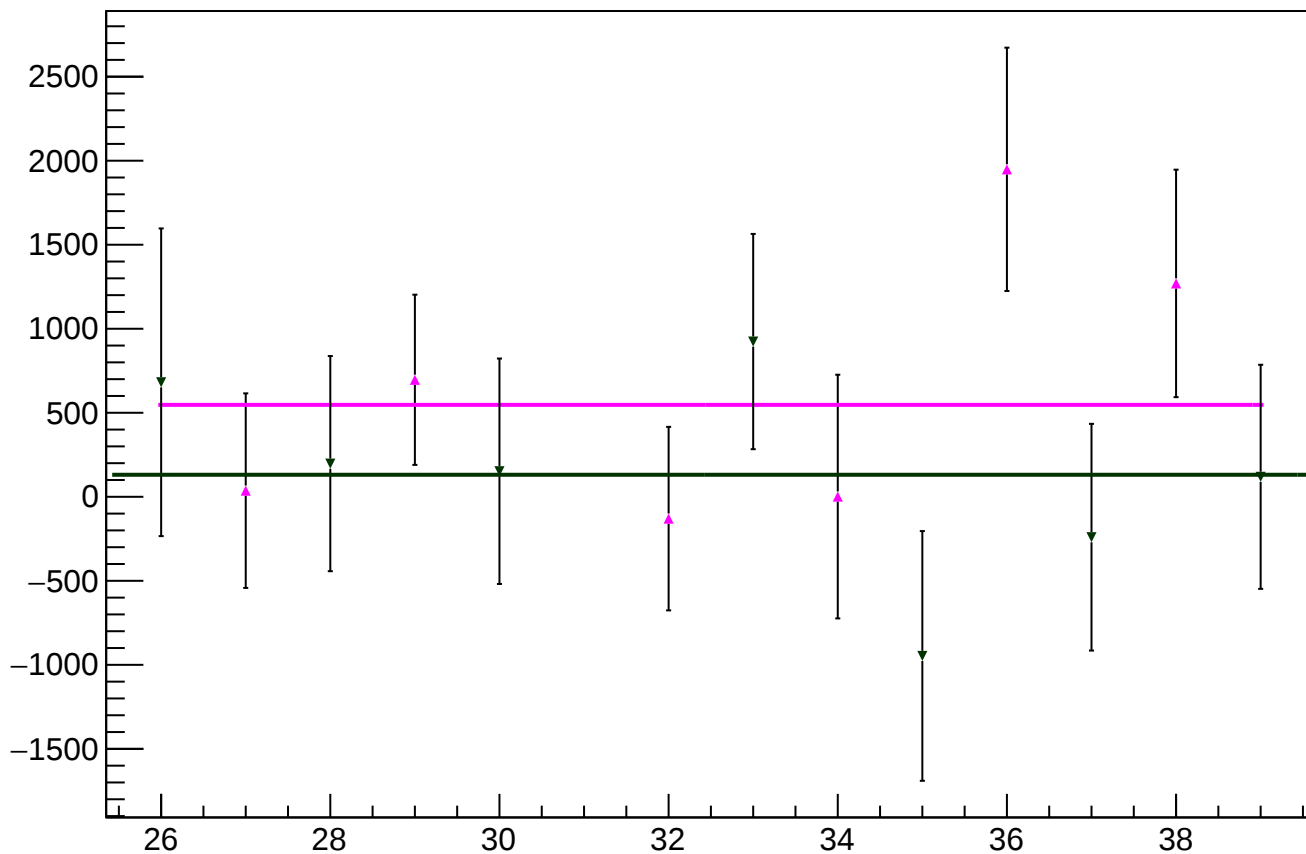
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 93.816+/-0.033  $\chi^2/\text{NDF}$ : 5340.7/5

92.657+/-0.034  $\chi^2/\text{NDF}$ : 860.6/6

93.816+/-0.033  $\chi^2/\text{NDF}$ : 5340.7/5

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



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

Left Out: 131.080+/-262.148  $\chi^2/\text{NDF}$ : 4.3/6

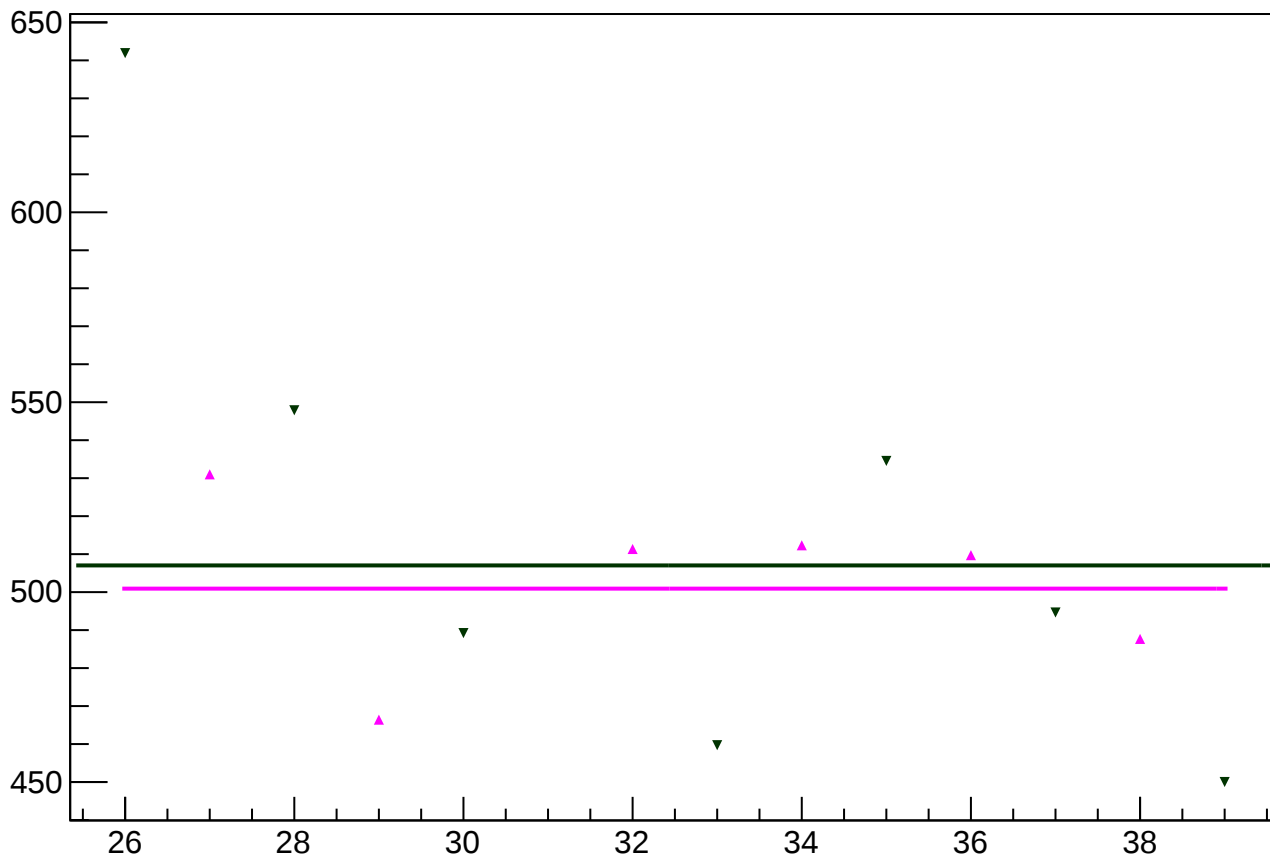
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 547.092+/-248.227  $\chi^2/\text{NDF}$ : 7.9/5

131.080+/-262.148  $\chi^2/\text{NDF}$ : 4.3/6

547.092+/-248.227  $\chi^2/\text{NDF}$ : 7.9/5

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



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

Left Out: 507.030+/-0.185  $\chi^2/\text{NDF}$ : 81928.8/6

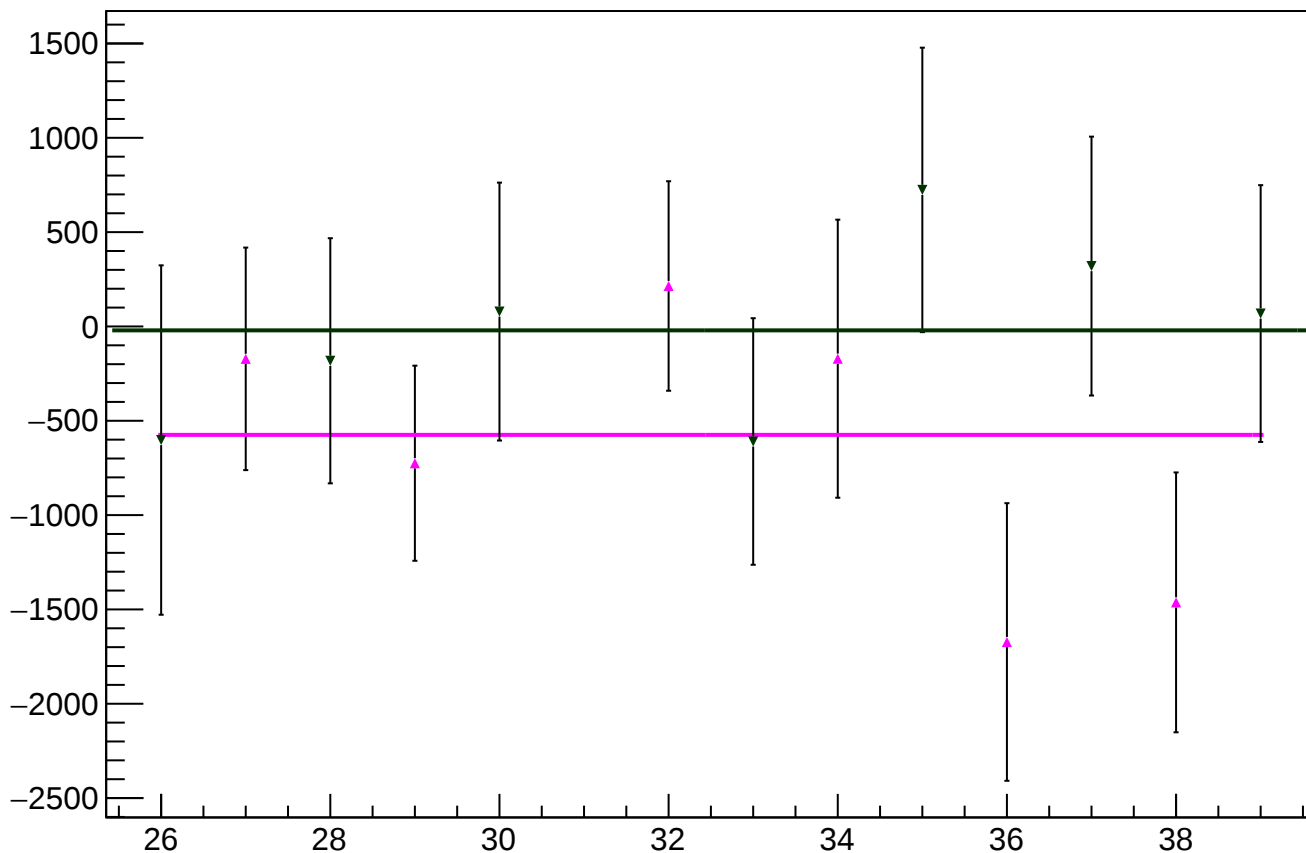
507.030+/-0.185  $\chi^2/\text{NDF}$ : 81928.8/6

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

500.919+/-0.176  $\chi^2/\text{NDF}$ : 16970.0/5

Left In: 500.919+/-0.176  $\chi^2/\text{NDF}$ : 16970.0/5

# asym\_us\_dd\_mean vs slug



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

Left Out: -20.701+/-266.702  $\chi^2/\text{NDF}$ : 2.5/6

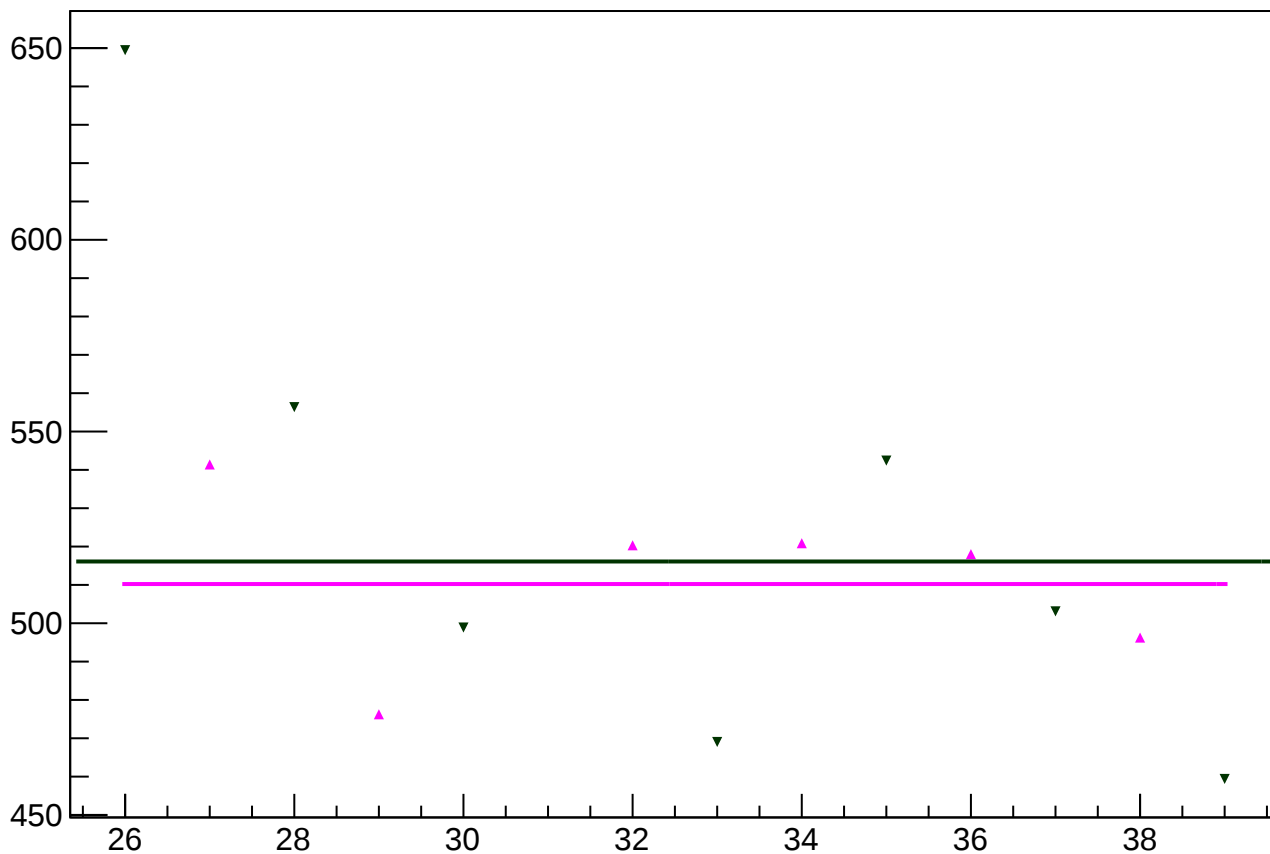
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -574.720+/-252.750  $\chi^2/\text{NDF}$ : 6.8/5

-20.701+/-266.702  $\chi^2/\text{NDF}$ : 2.5/6

-574.720+/-252.750  $\chi^2/\text{NDF}$ : 6.8/5

# asym\_us\_dd\_rms vs slug



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

Left Out: 516.107+/-0.189  $\chi^2/\text{NDF}$ : 77840.3/6

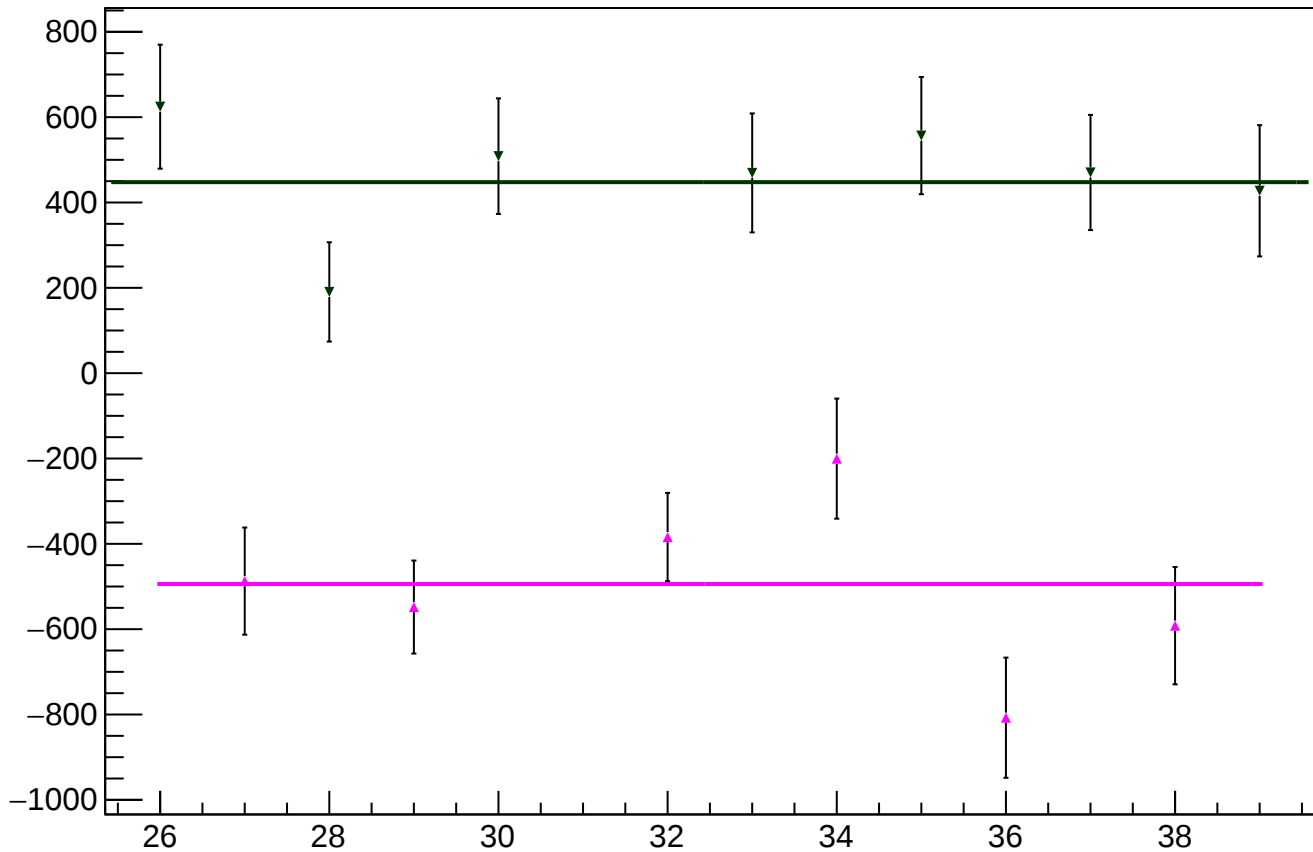
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 510.224+/-0.179  $\chi^2/\text{NDF}$ : 16348.6/5

516.107+/-0.189  $\chi^2/\text{NDF}$ : 77840.3/6

510.224+/-0.179  $\chi^2/\text{NDF}$ : 16348.6/5

# reg\_asym\_ds\_avg\_mean vs slug



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

447.692+/-51.478  $\chi^2/\text{NDF}$ : 7.3/6

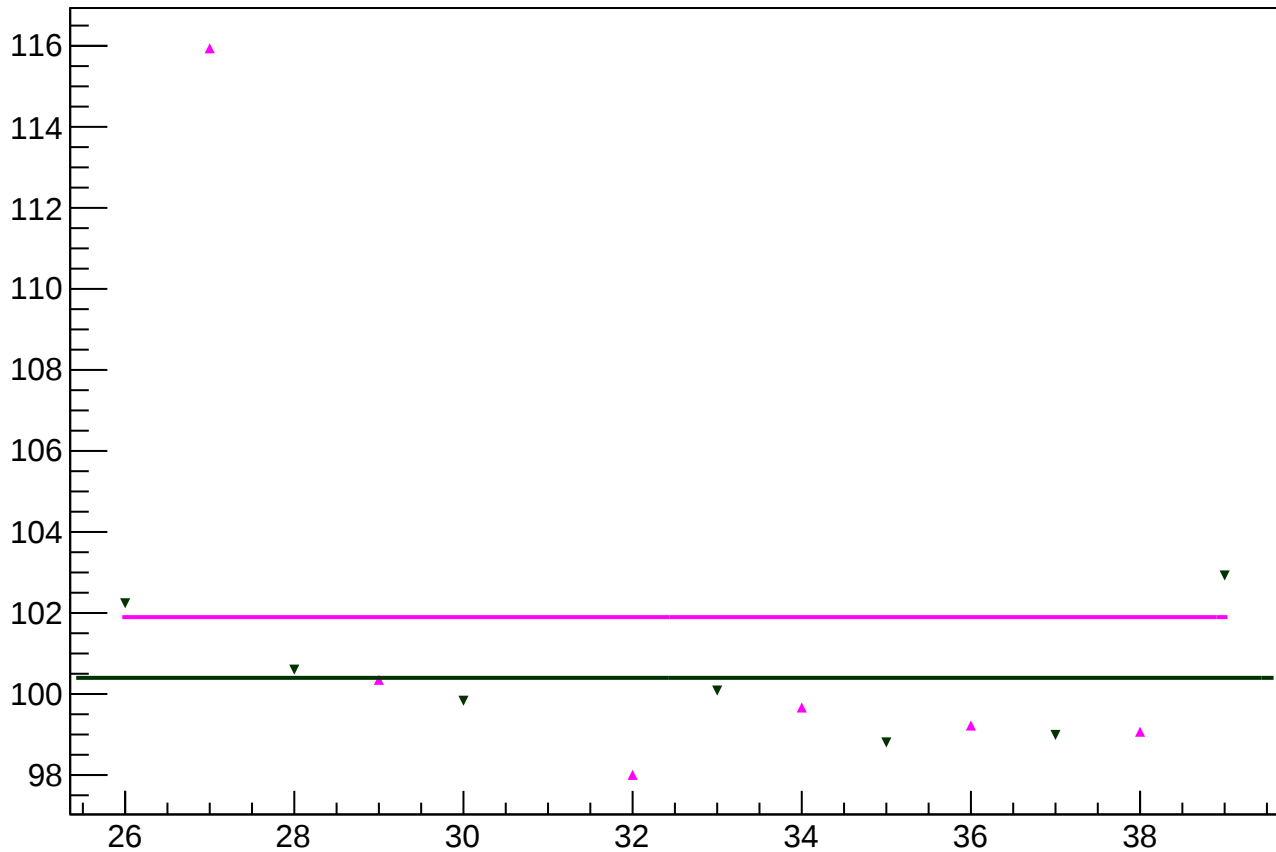
Left Out: 447.692+/-51.478  $\chi^2/\text{NDF}$ : 7.3/6

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

-494.073+/-50.339  $\chi^2/\text{NDF}$ : 11.2/5

Left In: -494.073+/-50.339  $\chi^2/\text{NDF}$ : 11.2/5

# reg\_asym\_ds\_avg\_rms vs slug



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

Left Out: 100.399+/-0.036  $\chi^2/\text{NDF}$ :1399.3/6

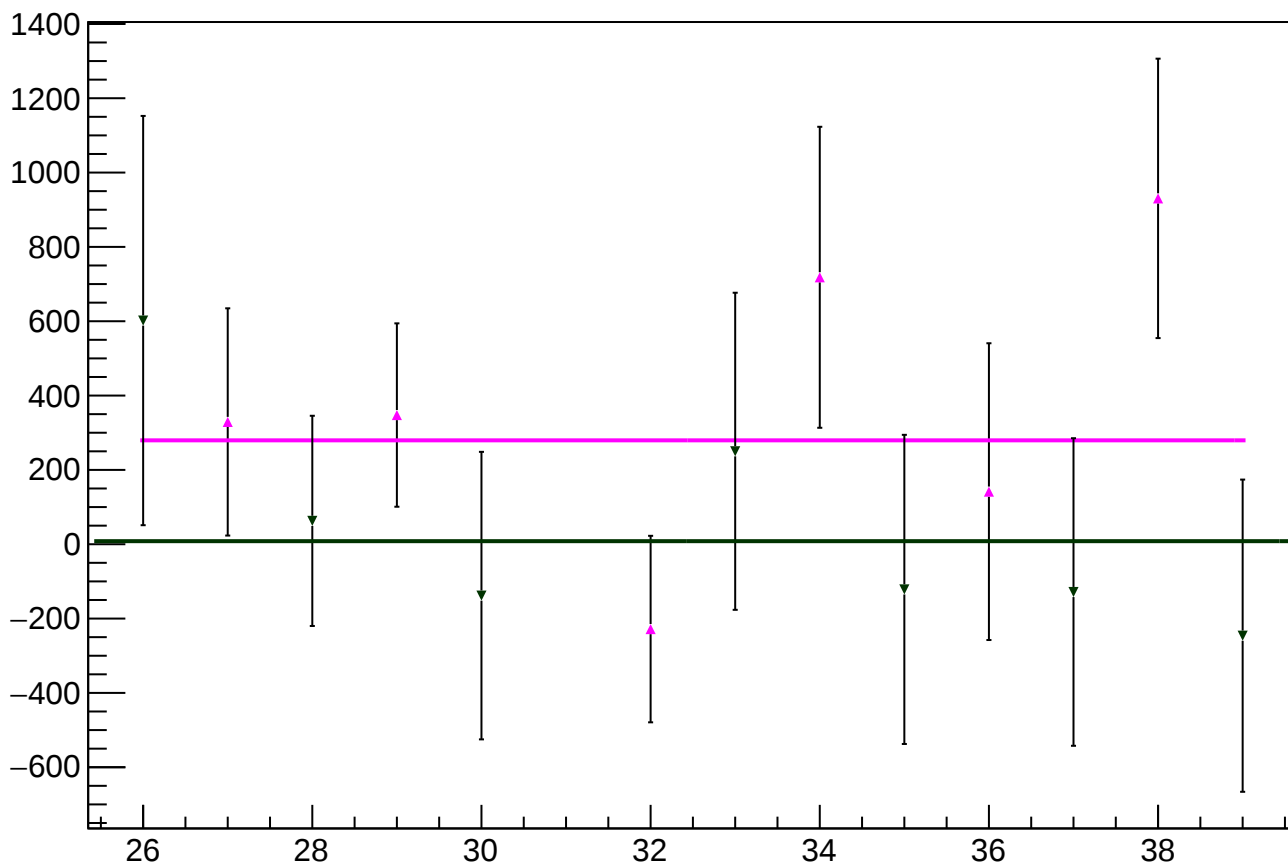
100.399+/-0.036  $\chi^2/\text{NDF}$ : 1399.3/6

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

101.898+/-0.036  $\chi^2/\text{NDF}$ : 30309.4/5

Left In: 101.898+/-0.036  $\chi^2/\text{NDF}$ :30309.4/5

# asym\_ds\_avg\_correction\_mean vs slug



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

Left Out: 8.255+/-148.618  $\chi^2/\text{NDF}$ : 2.2/6

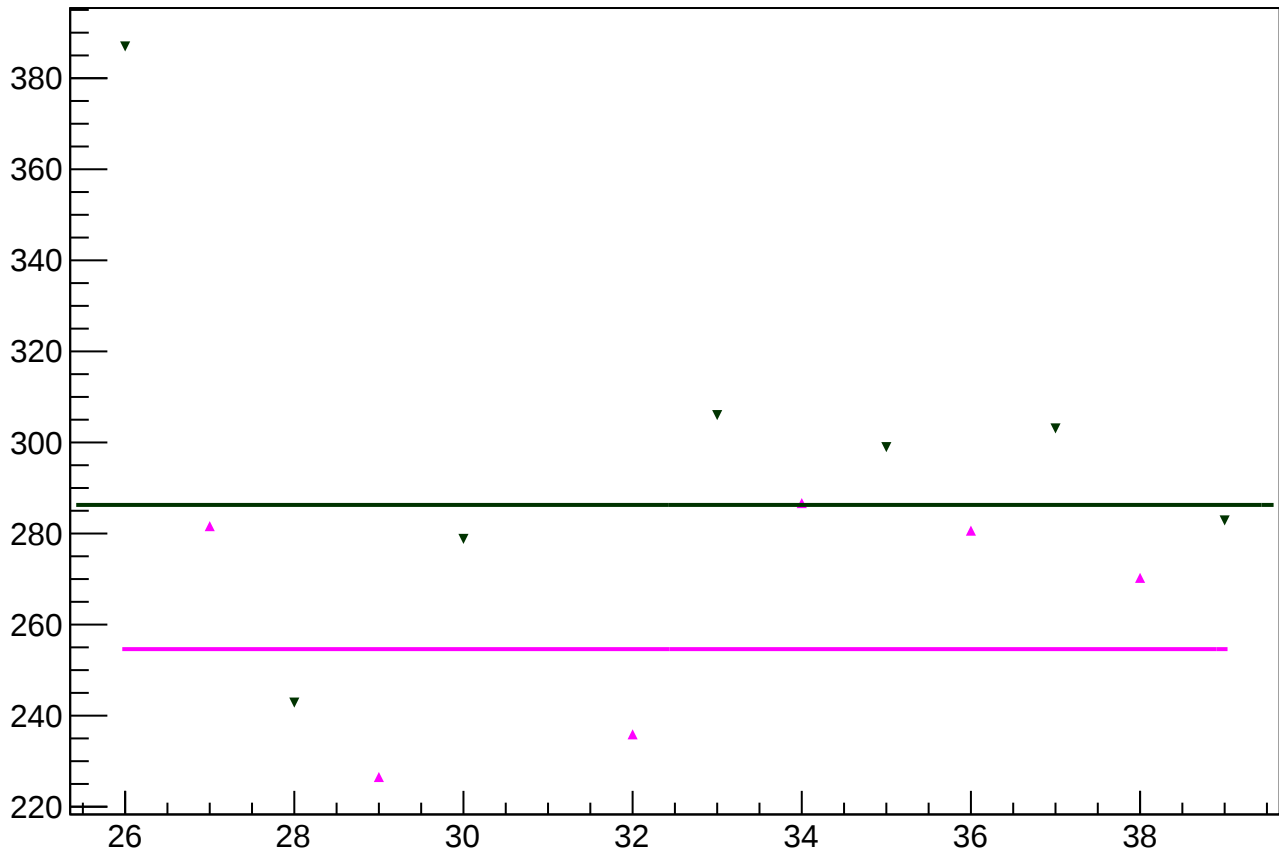
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 279.533+/-126.525  $\chi^2/\text{NDF}$ : 8.5/5

8.255+/-148.618  $\chi^2/\text{NDF}$ : 2.2/6

279.533+/-126.525  $\chi^2/\text{NDF}$ : 8.5/5

# asym\_ds\_avg\_correction\_rms vs slug



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

Left Out: 286.281+/-0.105  $\chi^2/\text{NDF}$ : 124354.8/6

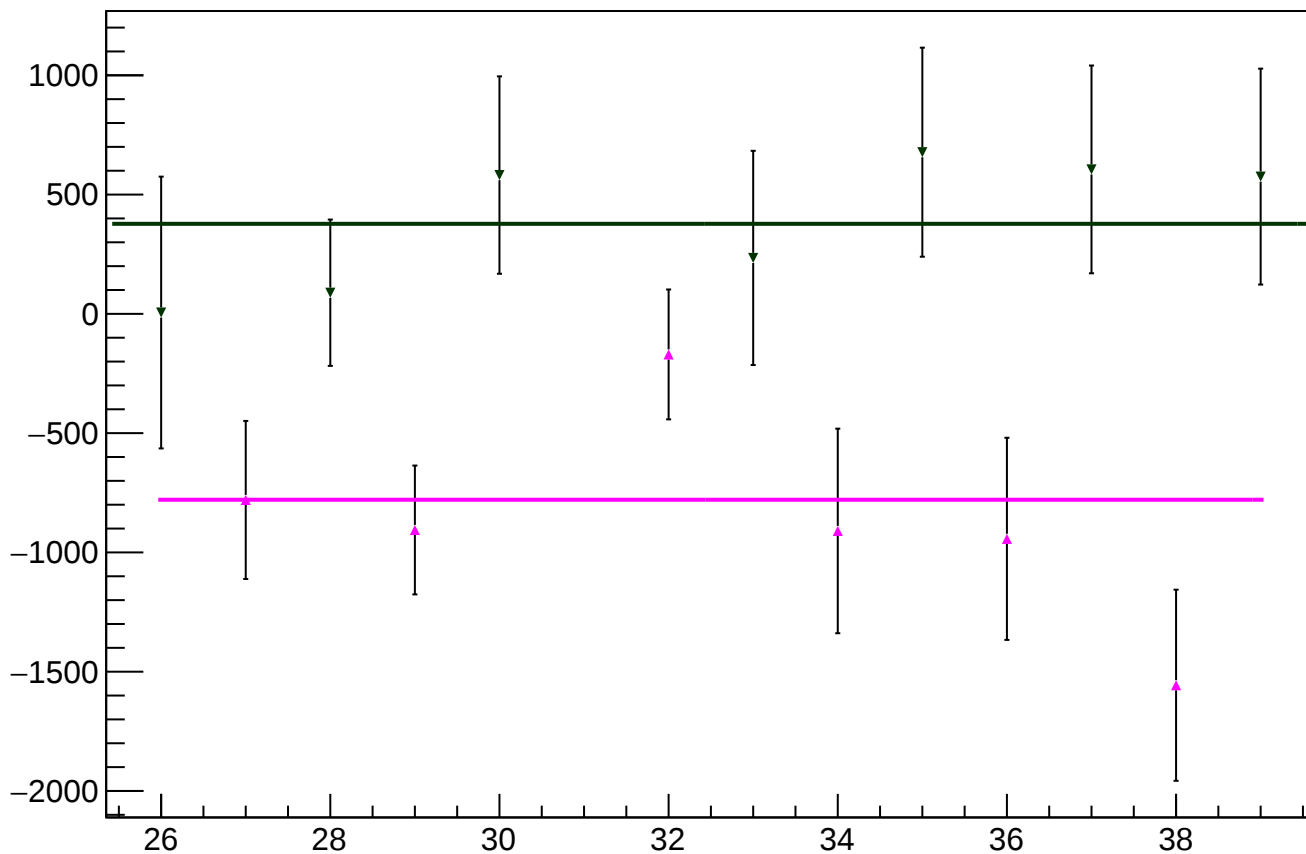
286.281+/-0.105  $\chi^2/\text{NDF}$ : 124354.8/6

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

254.612+/-0.089  $\chi^2/\text{NDF}$ : 77172.7/5

Left In: 254.612+/-0.089  $\chi^2/\text{NDF}$ : 77172.7/5

# asym\_ds\_avg\_mean vs slug



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

Left Out: 377.479+/-158.346  $\chi^2/\text{NDF}$ : 2.6/6

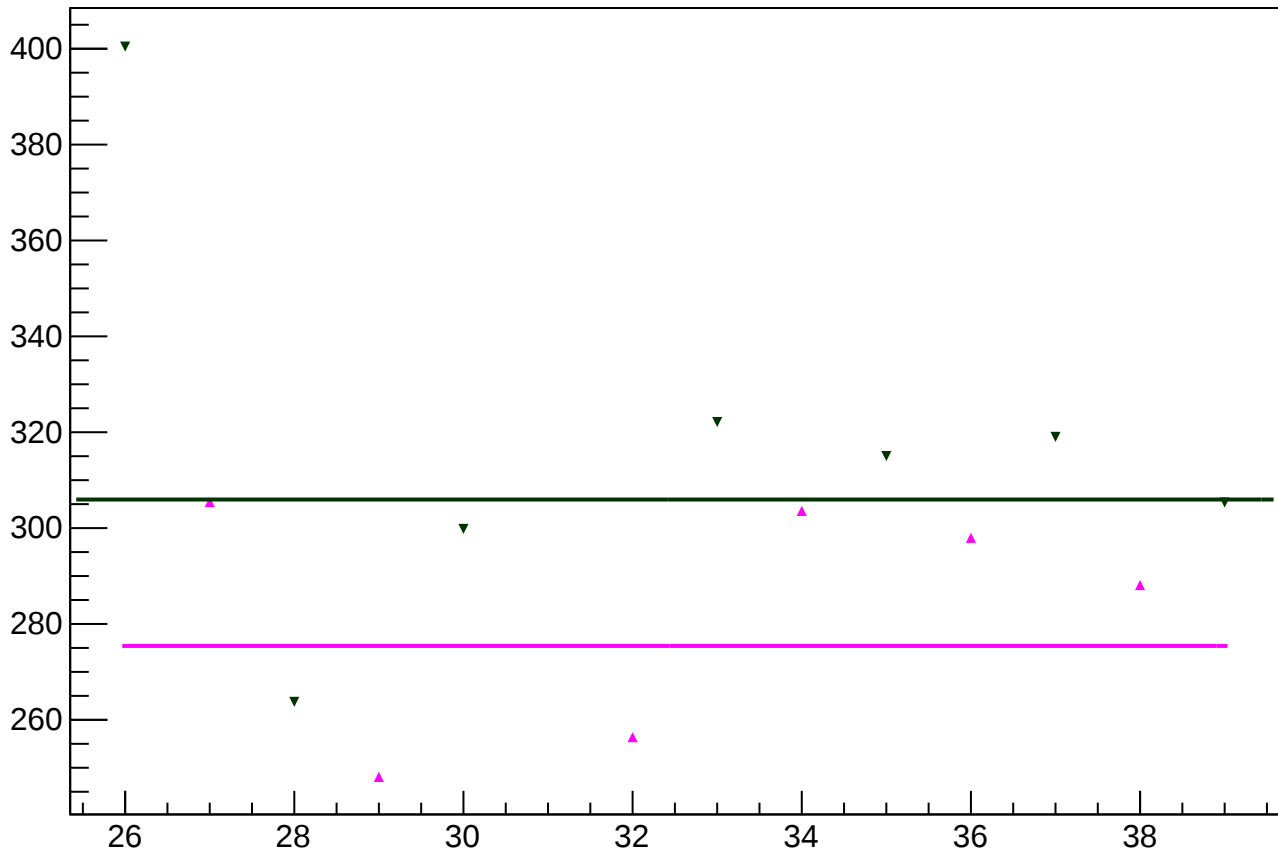
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -779.179+/-136.639  $\chi^2/\text{NDF}$ : 9.2/5

377.479+/-158.346  $\chi^2/\text{NDF}$ : 2.6/6

-779.179+/-136.639  $\chi^2/\text{NDF}$ : 9.2/5

# asym\_ds\_avg\_rms vs slug



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

Left Out: 305.960+/-0.112  $\chi^2/\text{NDF}$ : 98596.1/6

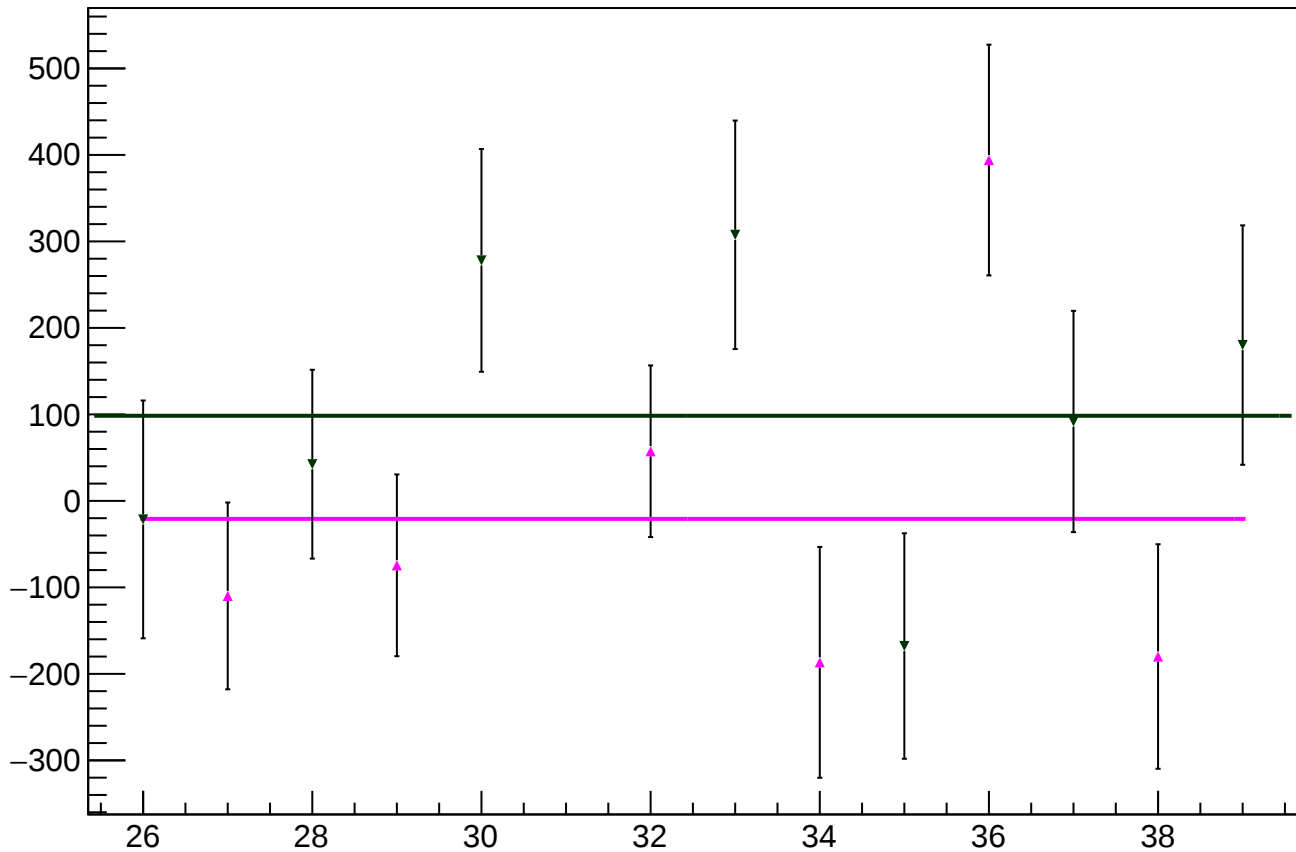
305.960+/-0.112  $\chi^2/\text{NDF}$ : 98596.1/6

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

275.422+/-0.097  $\chi^2/\text{NDF}$ : 62971.2/5

Left In: 275.422+/-0.097  $\chi^2/\text{NDF}$ : 62971.2/5

# reg\_asym\_ds\_dd\_mean vs slug



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

Left Out: 98.413+/-48.416  $\chi^2/\text{NDF}$ :10.0/6

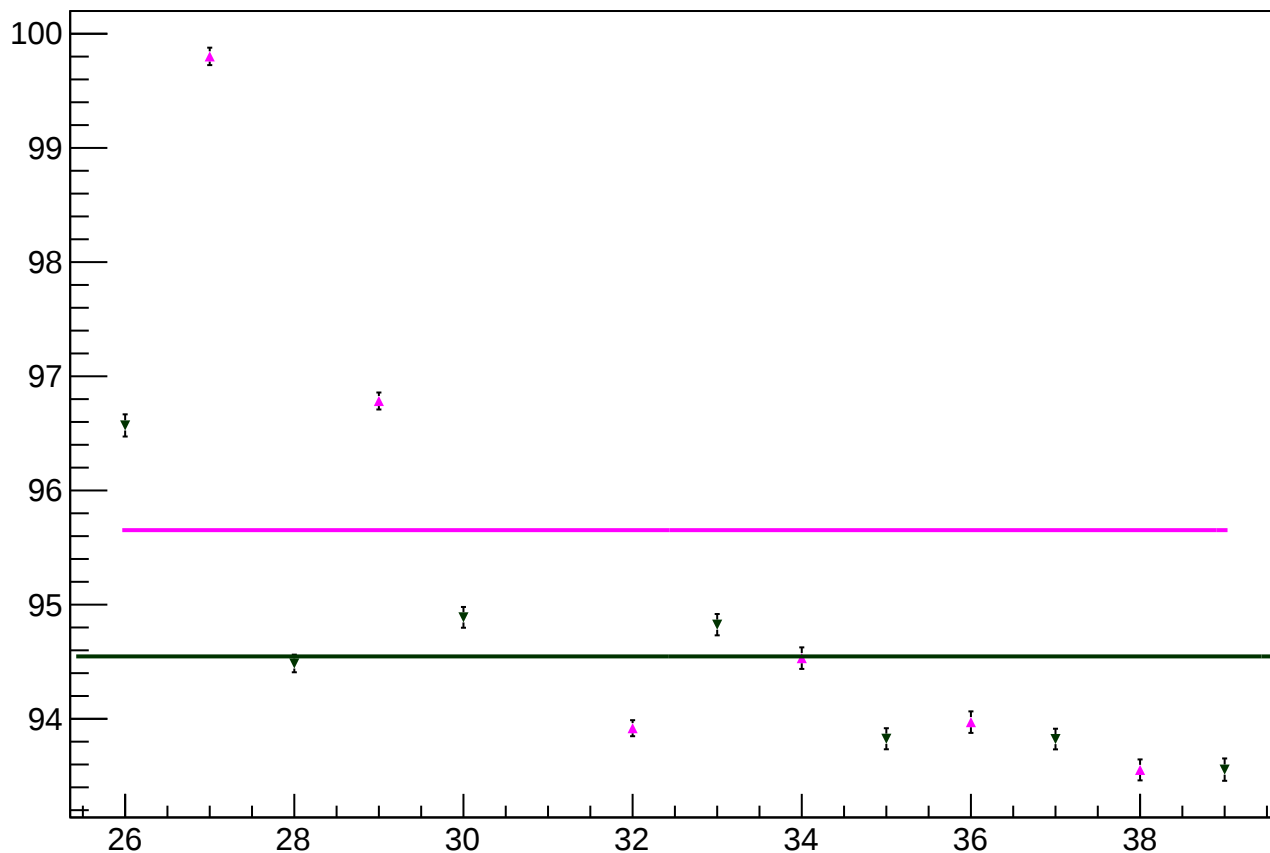
98.413+/-48.416  $\chi^2/\text{NDF}$ : 10.0/6

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

-20.814+/-47.165  $\chi^2/\text{NDF}$ : 14.3/5

Left In: -20.814+/-47.165  $\chi^2/\text{NDF}$ :14.3/5

# reg\_asym\_ds\_dd\_rms vs slug



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

Left Out: 94.547+/-0.034  $\chi^2/\text{NDF}$ : 684.5/6

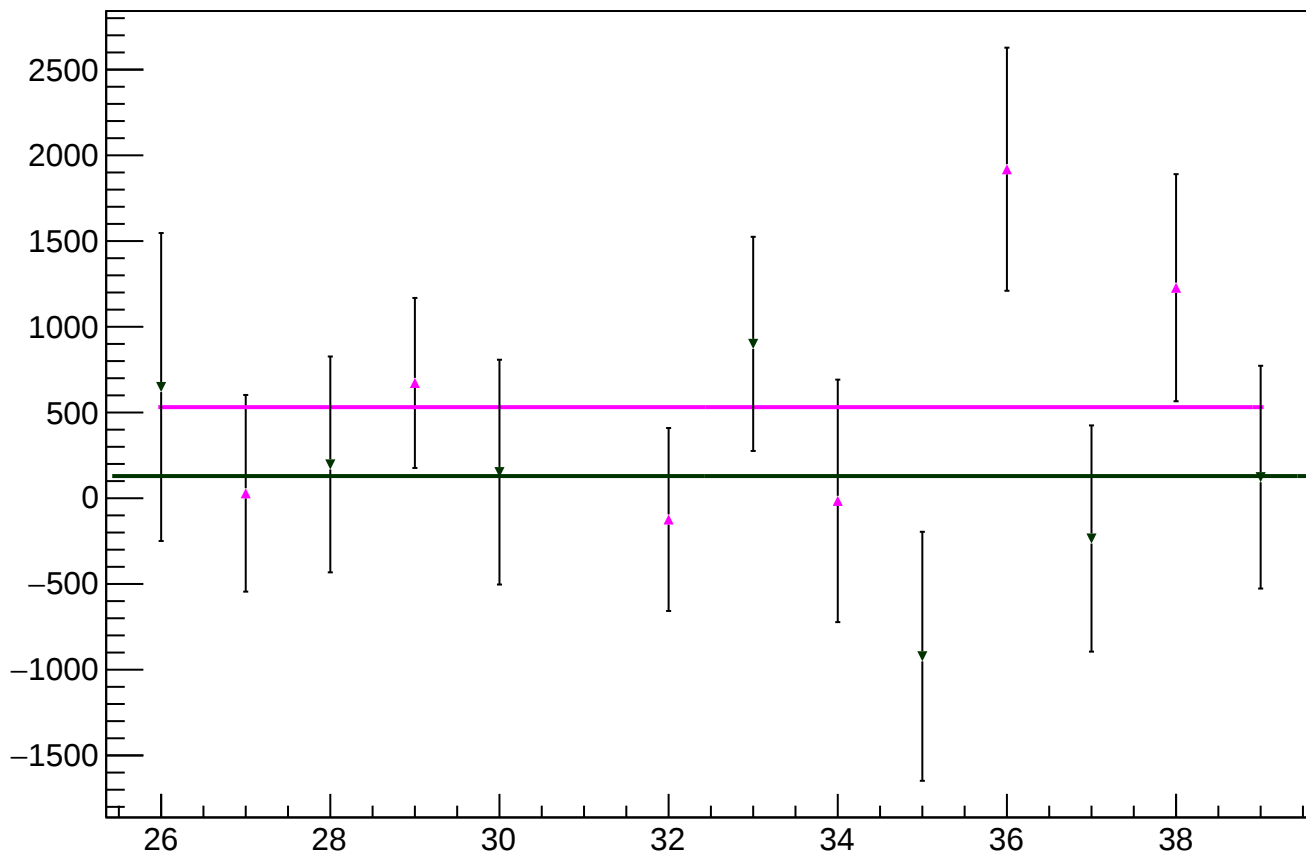
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 95.652+/-0.033  $\chi^2/\text{NDF}$ : 4777.6/5

94.547+/-0.034  $\chi^2/\text{NDF}$ : 684.5/6

95.652+/-0.033  $\chi^2/\text{NDF}$ : 4777.6/5

# asym\_ds\_dd\_correction\_mean vs slug



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

Left Out: 129.340+/-256.335  $\chi^2/\text{NDF}$ : 4.3/6

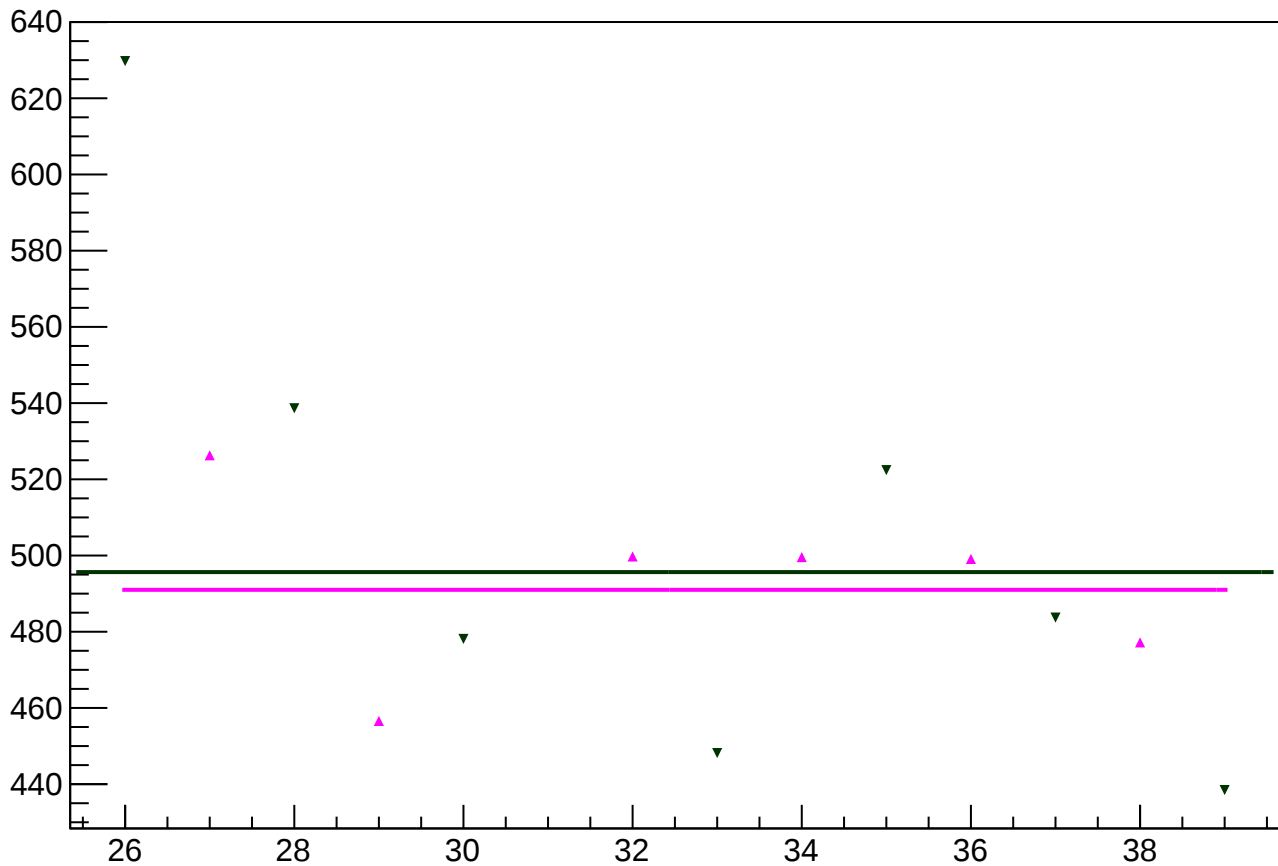
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 531.333+/-243.328  $\chi^2/\text{NDF}$ : 7.9/5

129.340+/-256.335  $\chi^2/\text{NDF}$ : 4.3/6

531.333+/-243.328  $\chi^2/\text{NDF}$ : 7.9/5

# asym\_ds\_dd\_correction\_rms vs slug



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

Left Out: 495.655+/-0.181  $\chi^2/\text{NDF}$ : 85801.7/6

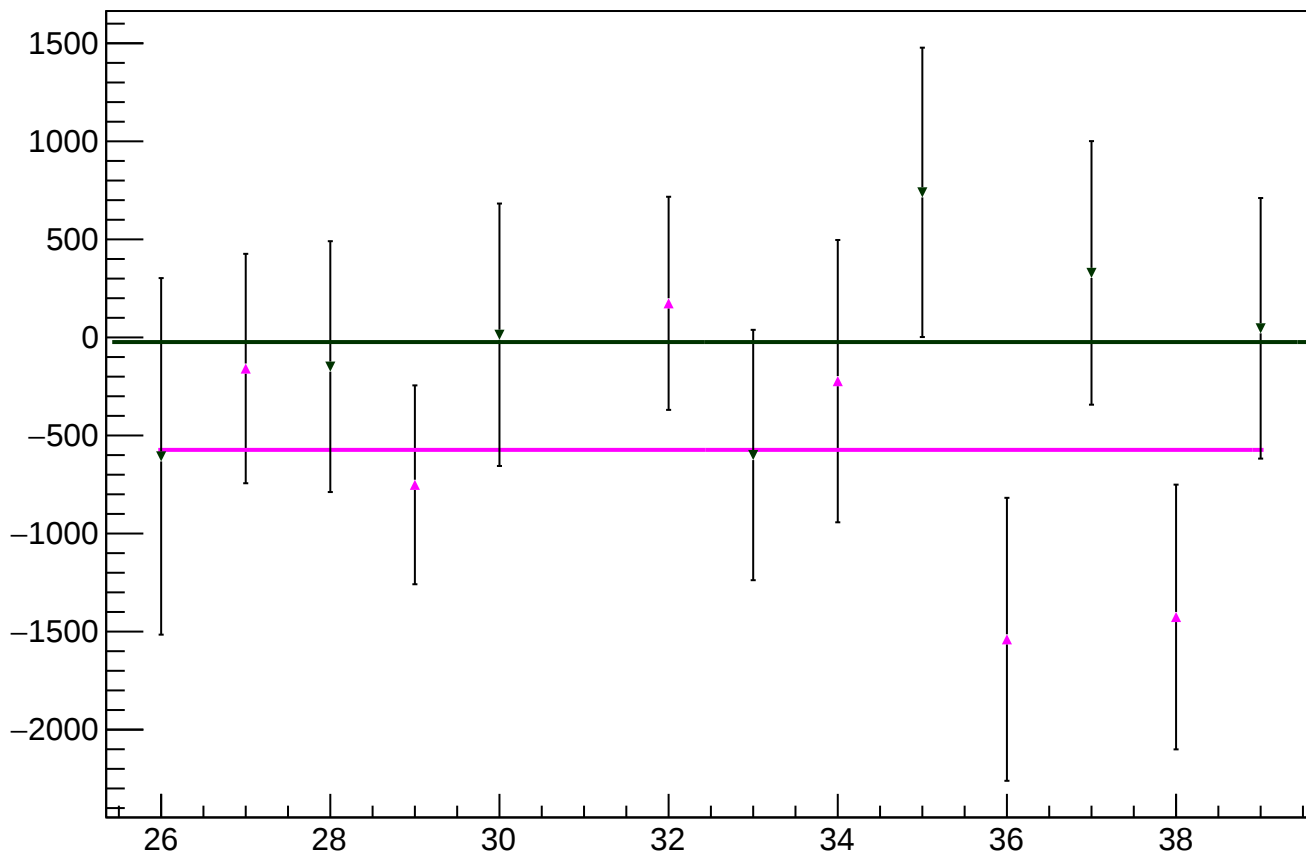
495.655+/-0.181  $\chi^2/\text{NDF}$ : 85801.7/6

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

Left In: 491.002+/-0.172  $\chi^2/\text{NDF}$ : 19173.6/5

491.002+/-0.172  $\chi^2/\text{NDF}$ : 19173.6/5

# asym\_ds\_dd\_mean vs slug



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

Left Out: -23.600+/-261.186  $\chi^2/\text{NDF}$ : 2.6/6

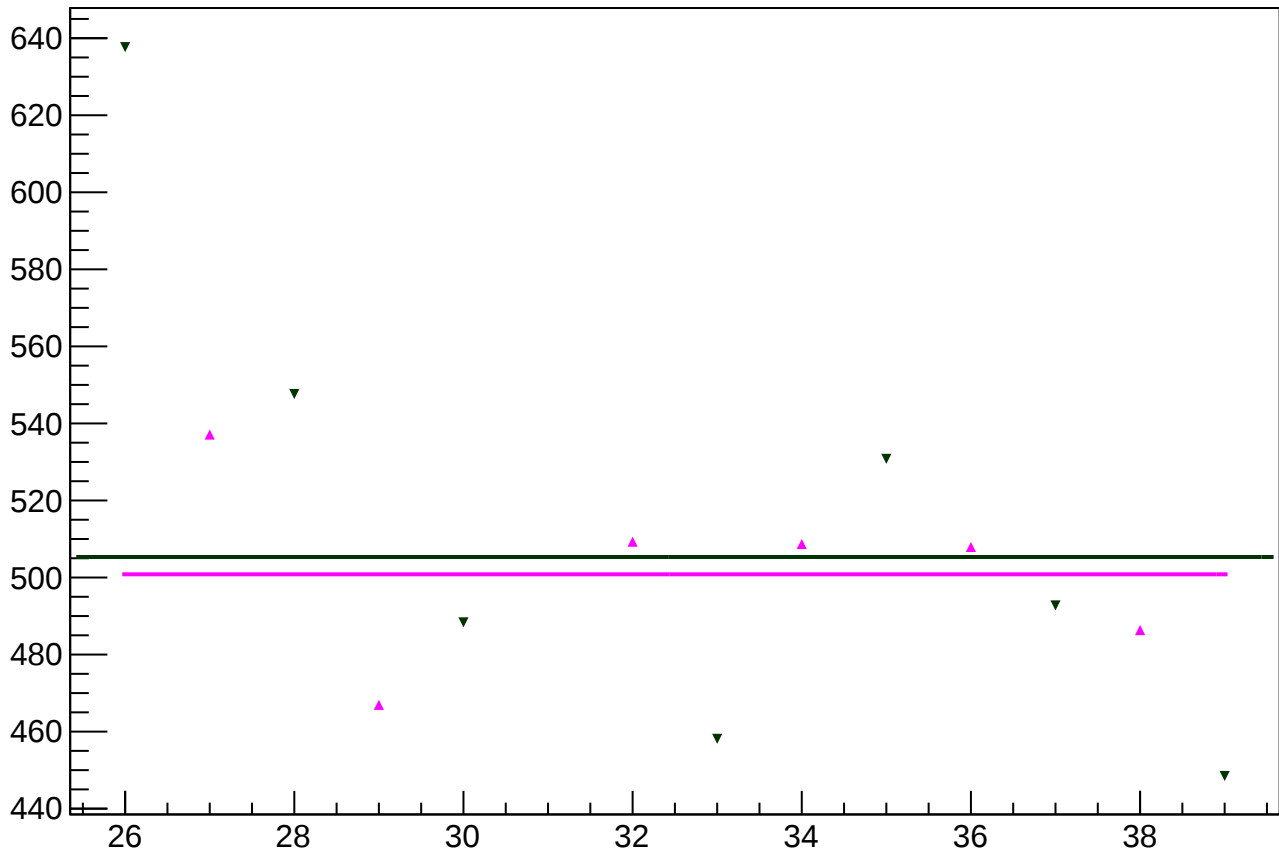
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -573.401+/-248.108  $\chi^2/\text{NDF}$ : 6.1/5

-23.600+/-261.186  $\chi^2/\text{NDF}$ : 2.6/6

-573.401+/-248.108  $\chi^2/\text{NDF}$ : 6.1/5

# asym\_ds\_dd\_rms vs slug



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

Left Out: 505.328+/-0.185  $\chi^2/\text{NDF}$ : 81083.6/6

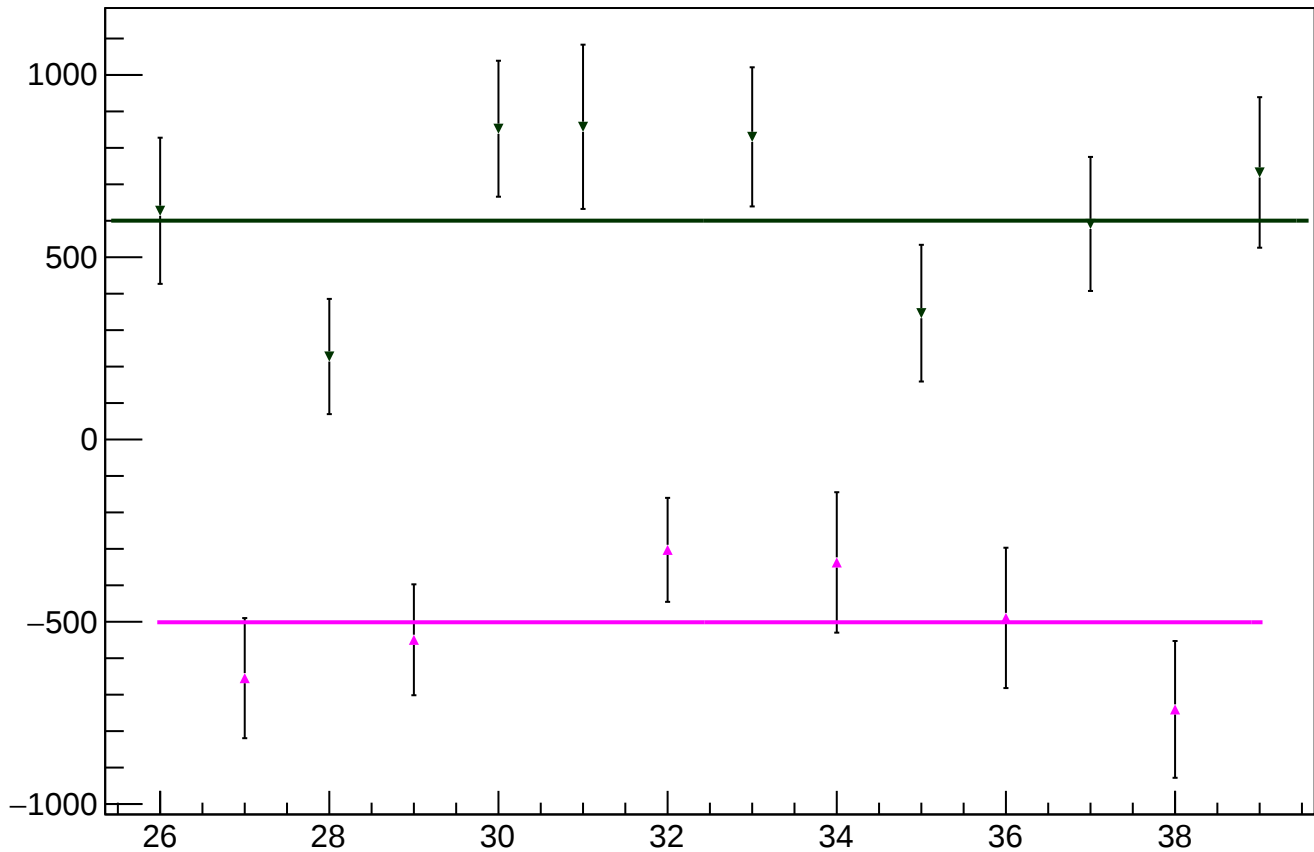
505.328+/-0.185  $\chi^2/\text{NDF}$ : 81083.6/6

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

500.834+/-0.175  $\chi^2/\text{NDF}$ : 18462.4/5

Left In: 500.834+/-0.175  $\chi^2/\text{NDF}$ : 18462.4/5

# reg\_asym\_usl\_mean vs slug



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

Left Out: 600.353+/-67.071  $\chi^2/\text{NDF}$ :12.4/7

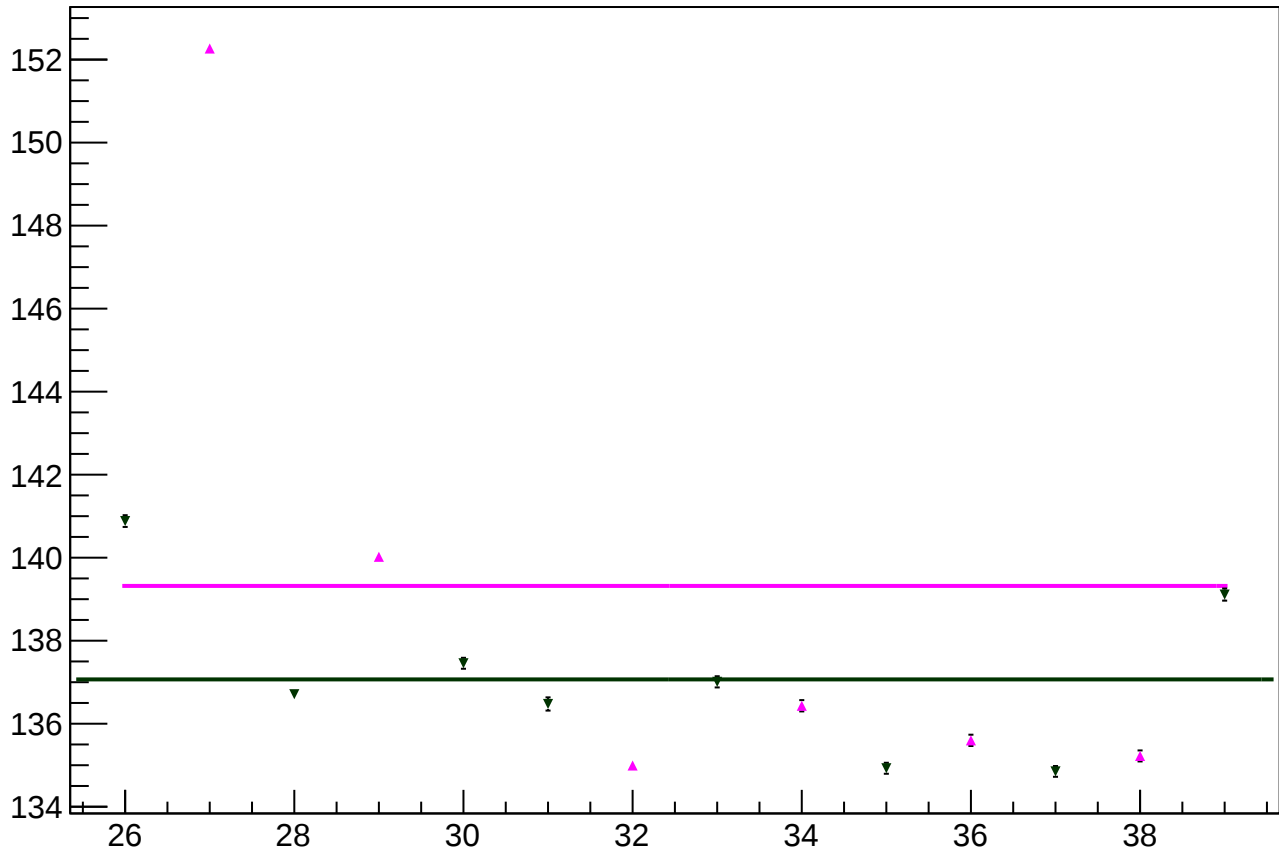
600.353+/-67.071  $\chi^2/\text{NDF}$ : 12.4/7

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

Left In: -501.374+/-68.756  $\chi^2/\text{NDF}$ :5.3/5

-501.374+/-68.756  $\chi^2/\text{NDF}$ : 5.3/5

# reg\_asym\_usl\_rms vs slug



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

Left Out: 137.067+/-0.047  $\chi^2/\text{NDF}$ :1504.1/7

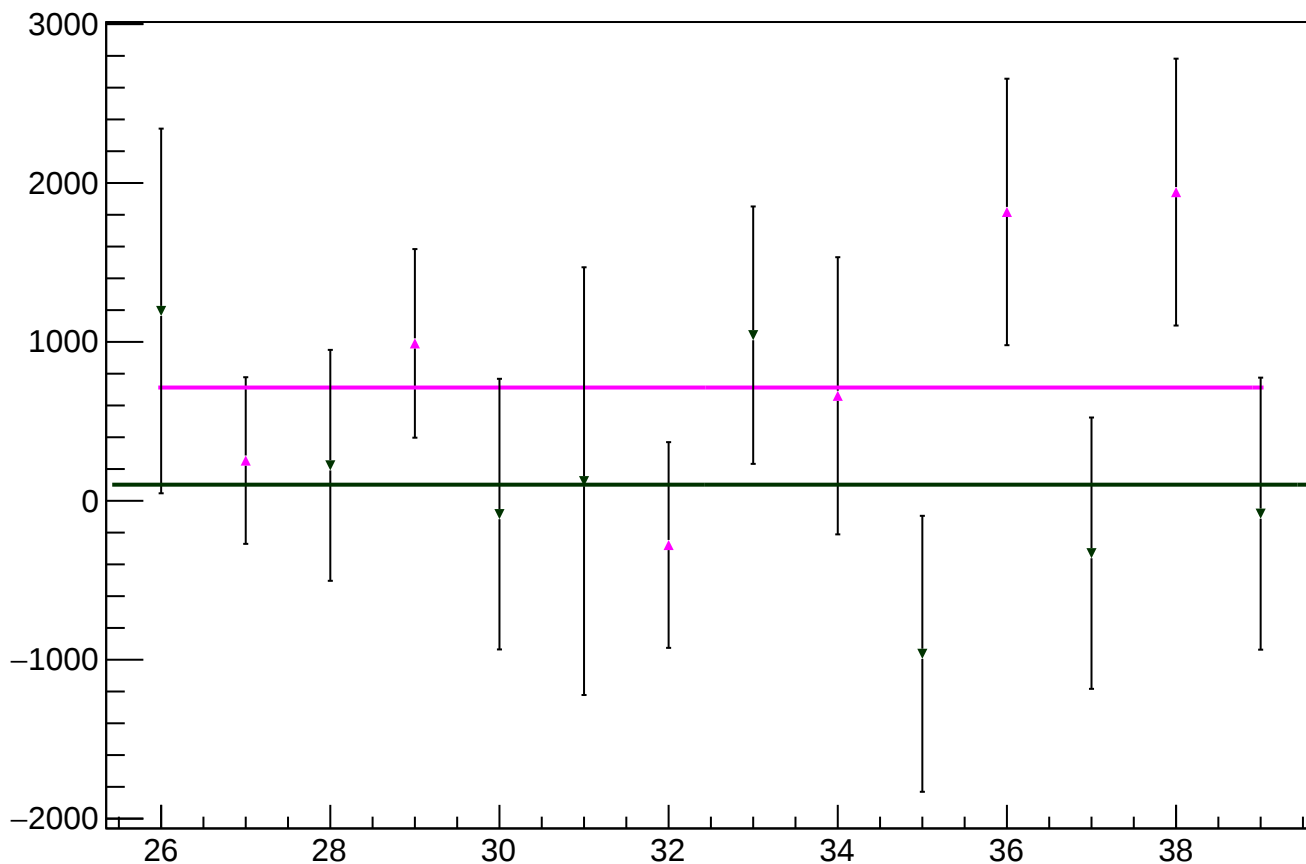
137.067+/-0.047  $\chi^2/\text{NDF}$ : 1504.1/7

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

Left In: 139.320+/-0.049  $\chi^2/\text{NDF}$ :16381.3/5

139.320+/-0.049  $\chi^2/\text{NDF}$ : 16381.3/5

asym\_usl\_correction\_mean vs slug



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

Left Out: 101.546+/-313.542  $\chi^2/\text{NDF}$ : 4.1/7

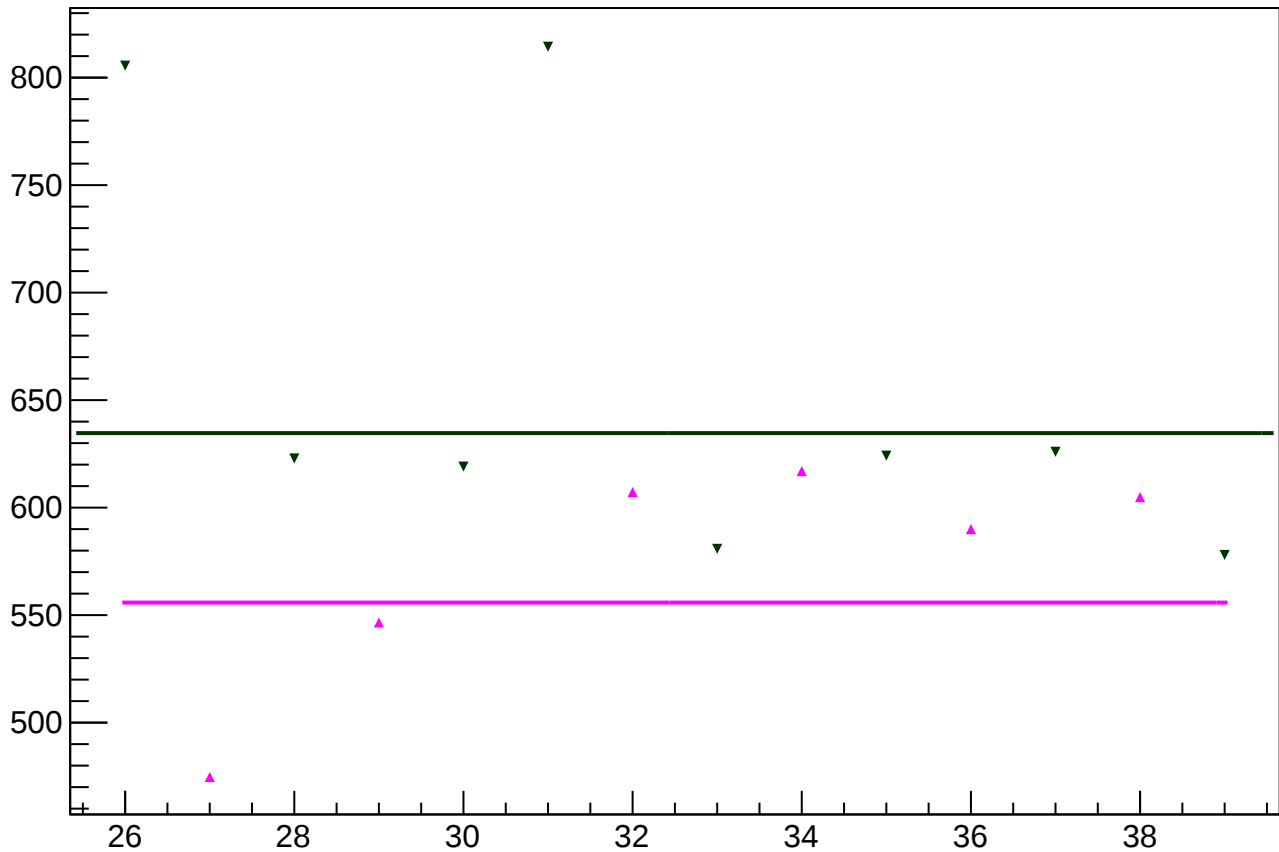
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 712.887+/-277.152  $\chi^2/\text{NDF}$ : 7.2/5

101.546+/-313.542  $\chi^2/\text{NDF}$ : 4.1/7

712.887+/-277.152  $\chi^2/\text{NDF}$ : 7.2/5

# asym\_usl\_correction\_rms vs slug



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

Left Out: 634.659+/-0.222  $\chi^2/\text{NDF}$ : 99338.2/7

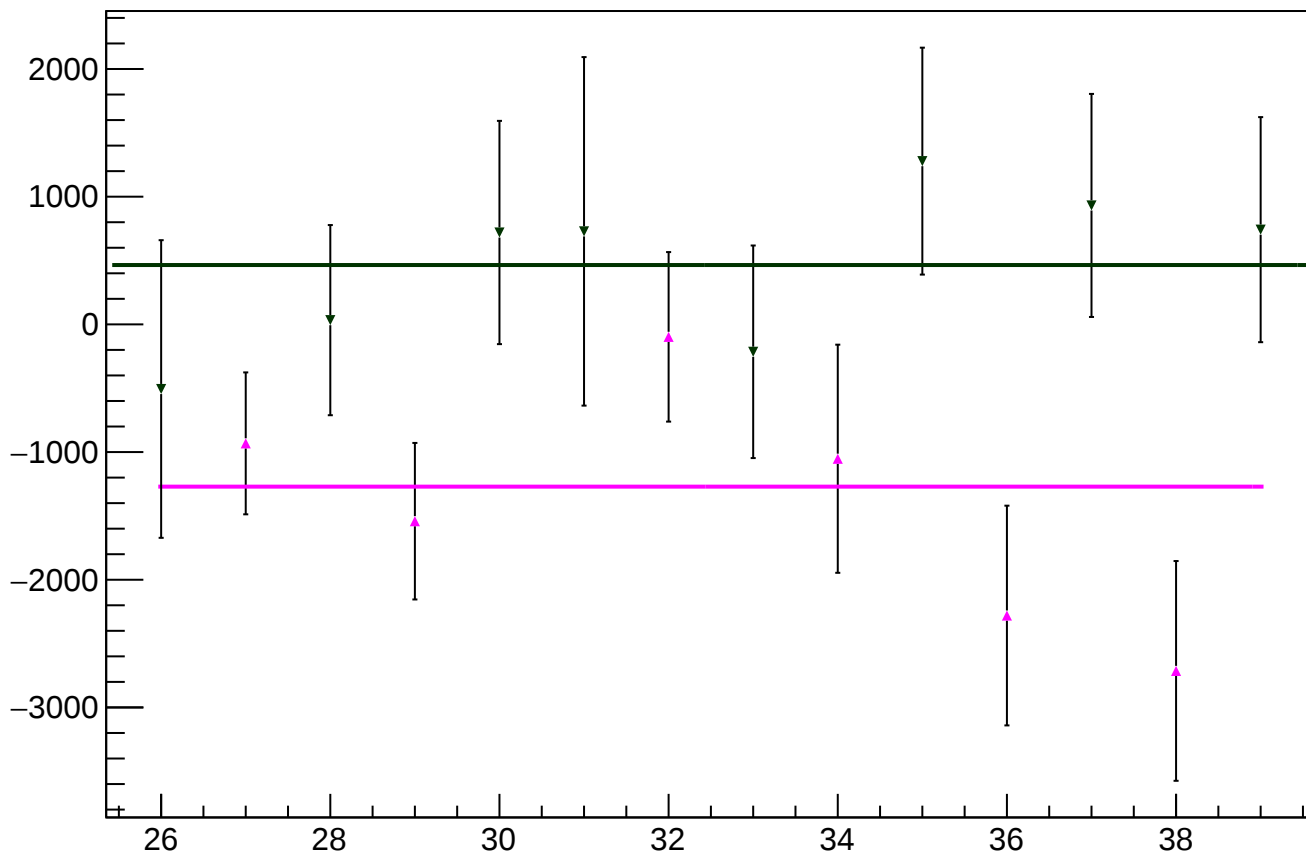
634.659+/-0.222  $\chi^2/\text{NDF}$ : 99338.2/7

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

555.841+/-0.196  $\chi^2/\text{NDF}$ : 80988.5/5

Left In: 555.841+/-0.196  $\chi^2/\text{NDF}$ : 80988.5/5

# asym\_usl\_mean vs slug



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

Left Out: 464.759+/-321.198  $\chi^2/\text{NDF}$ : 3.0/7

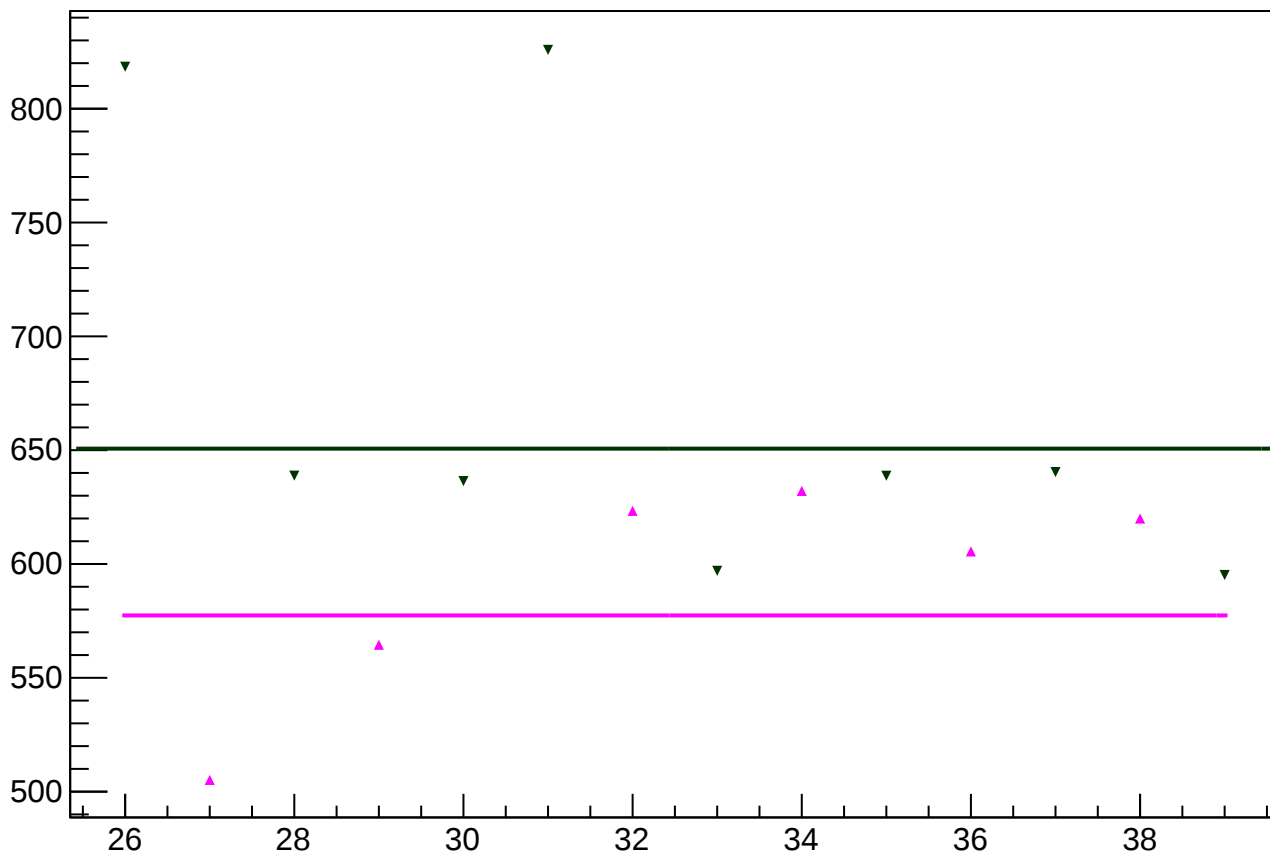
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1270.791+/-287.207  $\chi^2/\text{NDF}$ : 7.9/5

464.759+/-321.198  $\chi^2/\text{NDF}$ : 3.0/7

-1270.791+/-287.207  $\chi^2/\text{NDF}$ : 7.9/5

# asym\_usl\_rms vs slug



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

Left Out: 650.678+/-0.227  $\chi^2/\text{NDF}$ : 92315.4/7

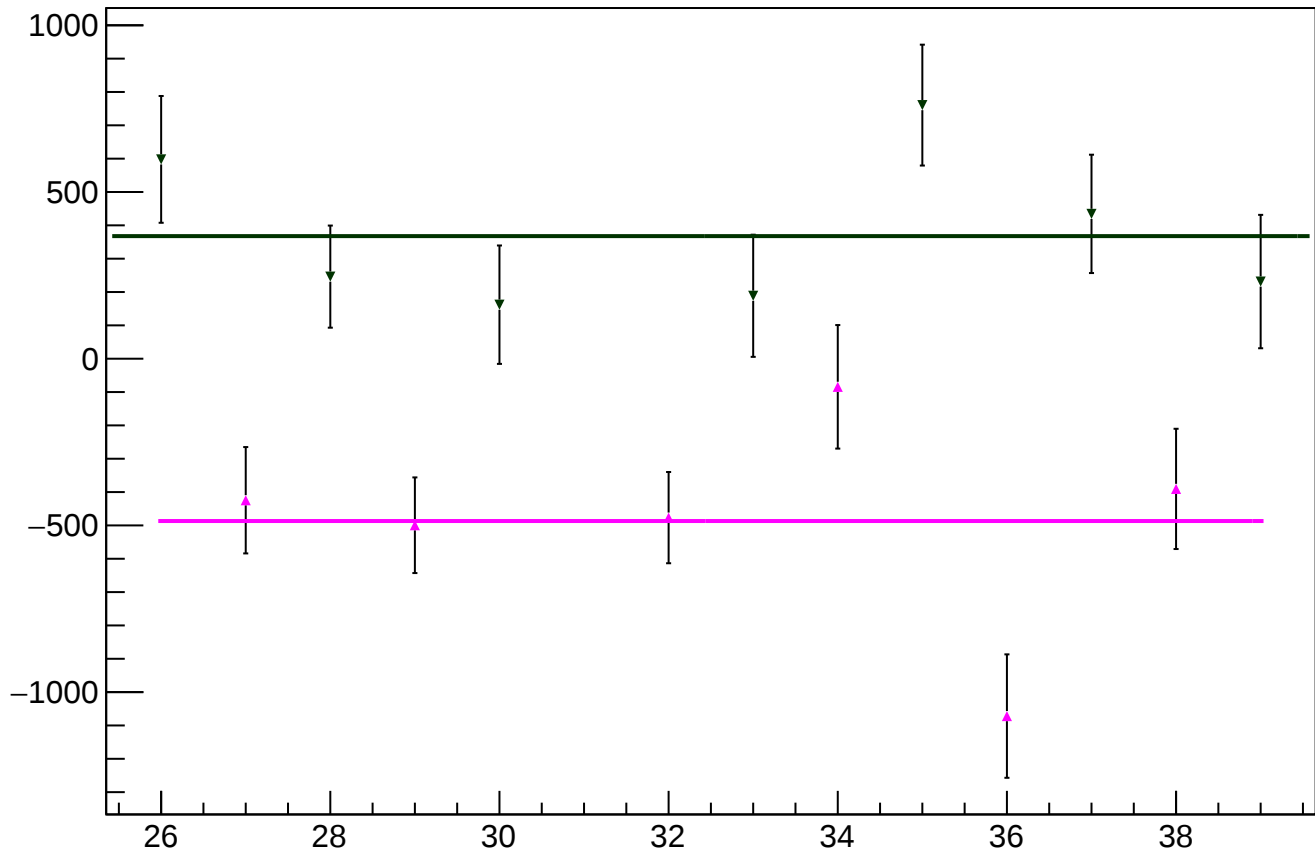
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 577.409+/-0.203  $\chi^2/\text{NDF}$ : 58792.1/5

650.678+/-0.227  $\chi^2/\text{NDF}$ : 92315.4/7

577.409+/-0.203  $\chi^2/\text{NDF}$ : 58792.1/5

# reg\_asym\_usr\_mean vs slug



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

367.686+/-67.577  $\chi^2/\text{NDF}$ : 9.7/6

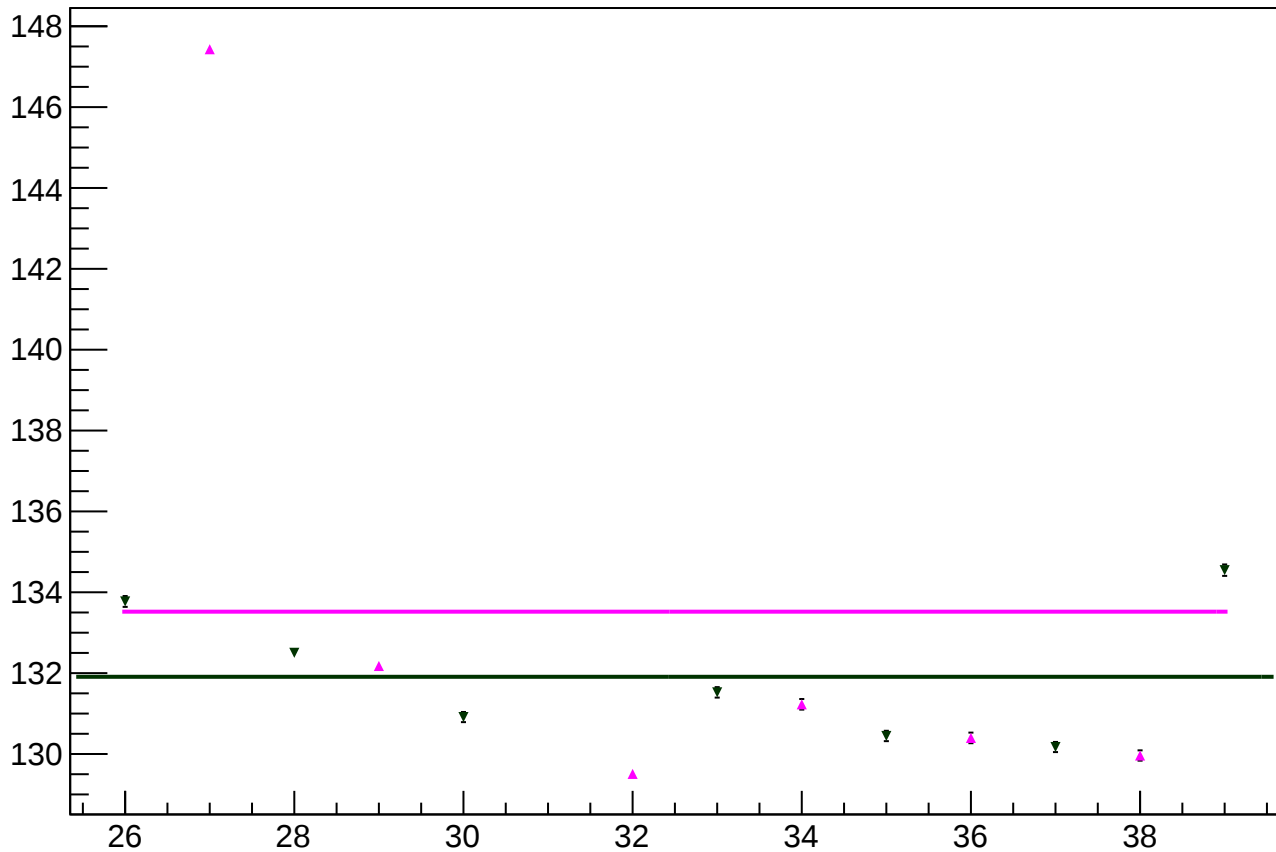
Left Out: 367.686+/-67.577  $\chi^2/\text{NDF}$ : 9.7/6

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

-486.844+/-65.882  $\chi^2/\text{NDF}$ : 15.2/5

Left In: -486.844+/-65.882  $\chi^2/\text{NDF}$ : 15.2/5

# reg\_asym\_usr\_rms vs slug



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

Left Out: 131.910+/-0.048  $\chi^2/\text{NDF}$ : 963.4/6

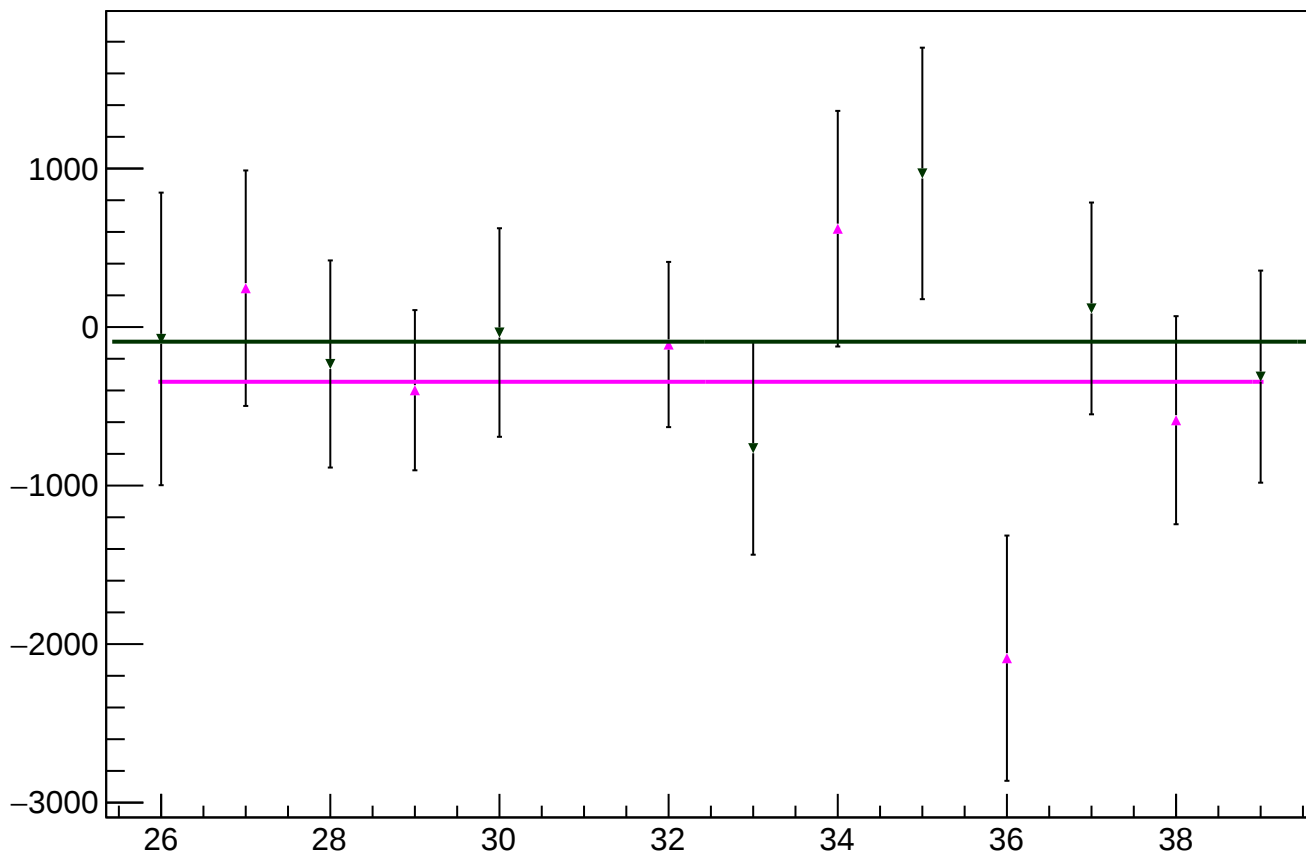
131.910+/-0.048  $\chi^2/\text{NDF}$ : 963.4/6

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

133.520+/-0.047  $\chi^2/\text{NDF}$ : 18763.1/5

Left In: 133.520+/-0.047  $\chi^2/\text{NDF}$ : 18763.1/5

# asym\_usr\_correction\_mean vs slug



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

Left Out: -92.309+/-266.239  $\chi^2/\text{NDF}$ : 3.1/6

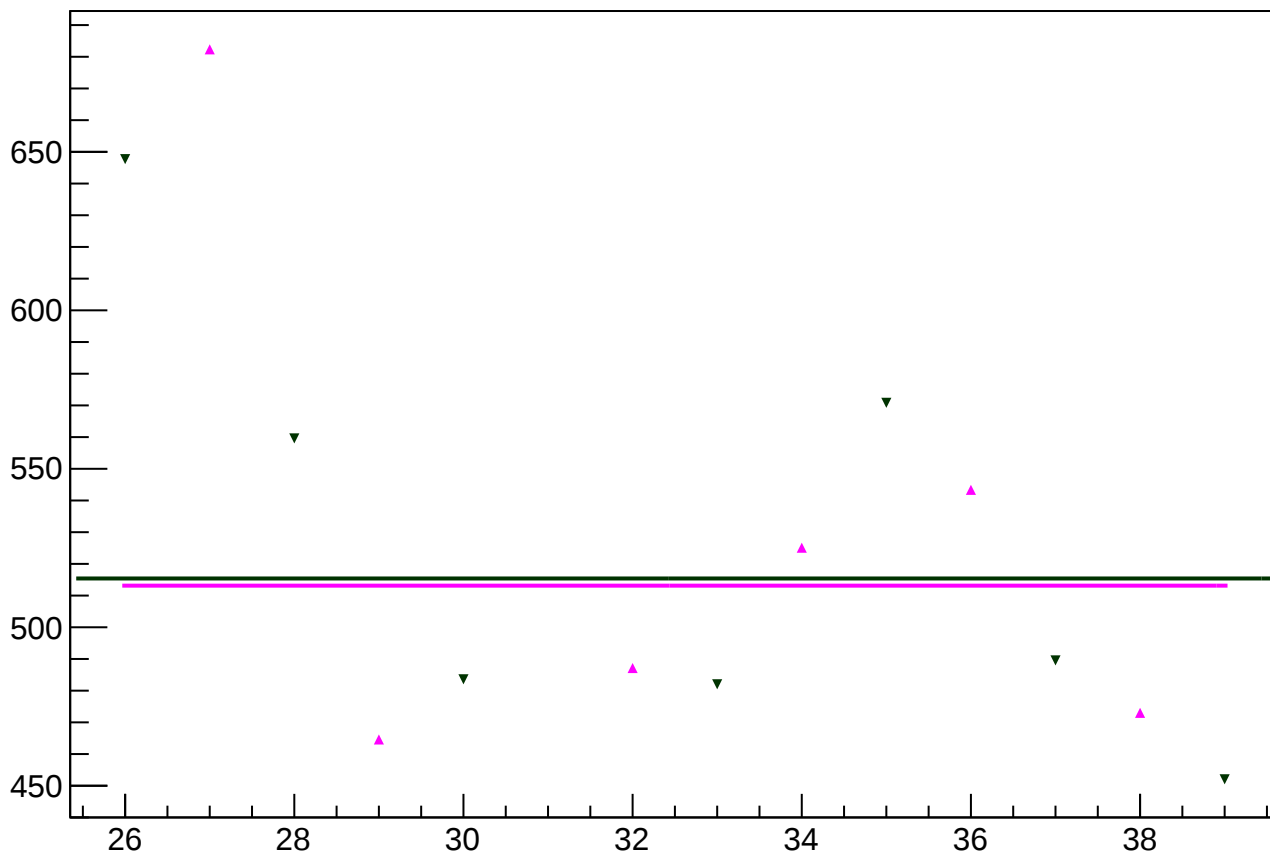
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -345.264+/-256.371  $\chi^2/\text{NDF}$ : 7.8/5

-92.309+/-266.239  $\chi^2/\text{NDF}$ : 3.1/6

-345.264+/-256.371  $\chi^2/\text{NDF}$ : 7.8/5

# asym\_usr\_correction\_rms vs slug



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

Left Out: 515.396+/-0.188  $\chi^2/\text{NDF}$ : 90577.0/6

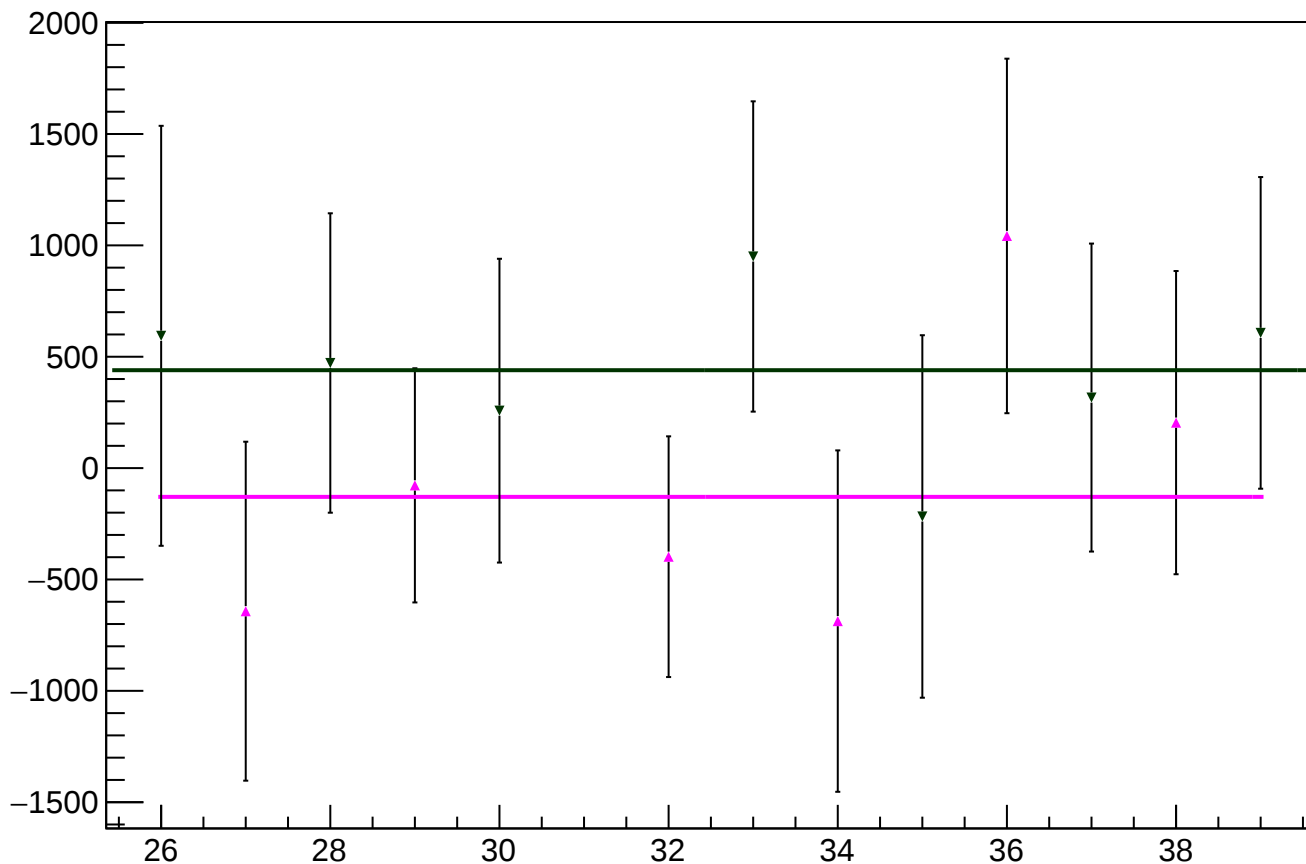
515.396+/-0.188  $\chi^2/\text{NDF}$ : 90577.0/6

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

513.133+/-0.181  $\chi^2/\text{NDF}$ : 138273.8/5

Left In: 513.133+/-0.181  $\chi^2/\text{NDF}$ : 138273.8/5

# asym\_usr\_mean vs slug



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

Left Out: 439.576+/-275.289  $\chi^2/\text{NDF}$ : 1.4/6

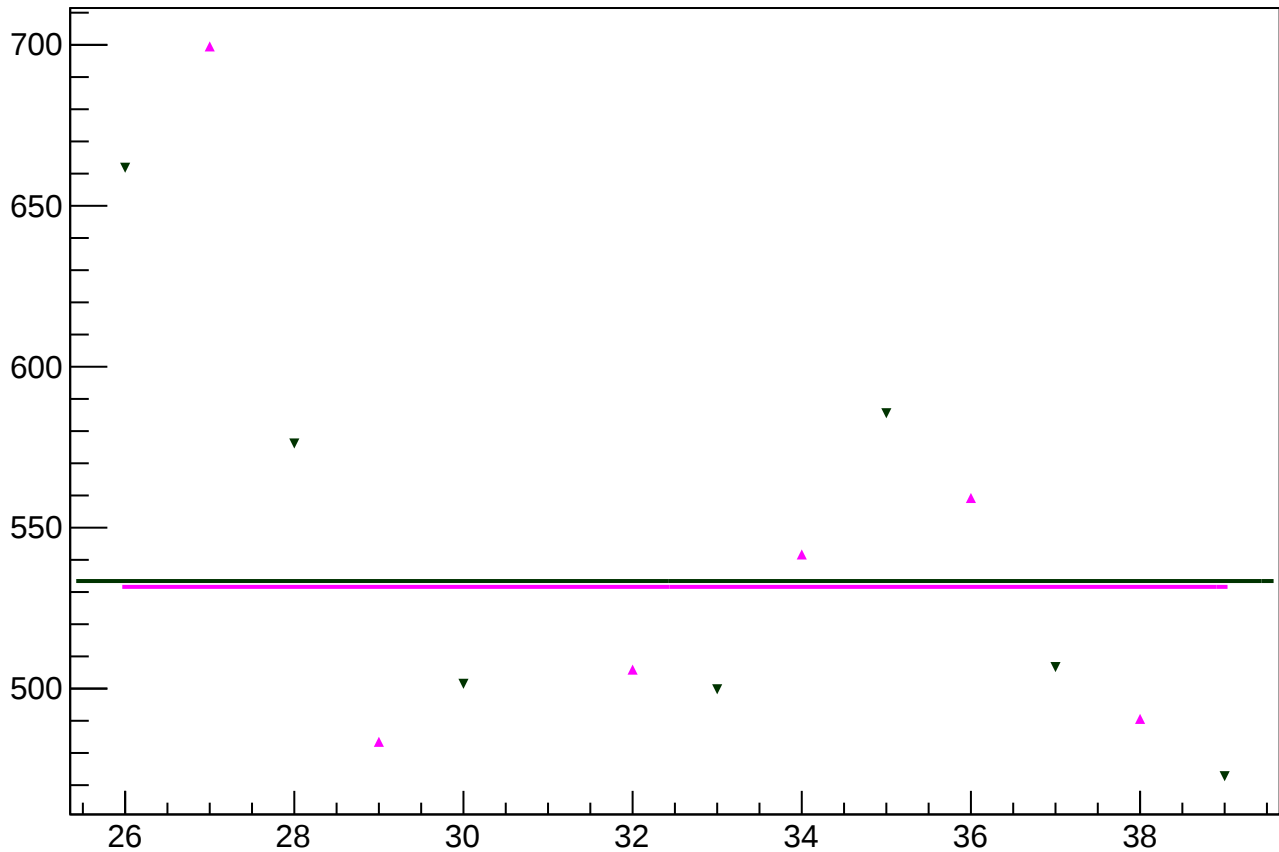
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -129.114+/-265.274  $\chi^2/\text{NDF}$ : 3.6/5

439.576+/-275.289  $\chi^2/\text{NDF}$ : 1.4/6

-129.114+/-265.274  $\chi^2/\text{NDF}$ : 3.6/5

# asym\_usr\_rms vs slug



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

Left Out: 533.418+/-0.195  $\chi^2/\text{NDF}$ : 80459.5/6

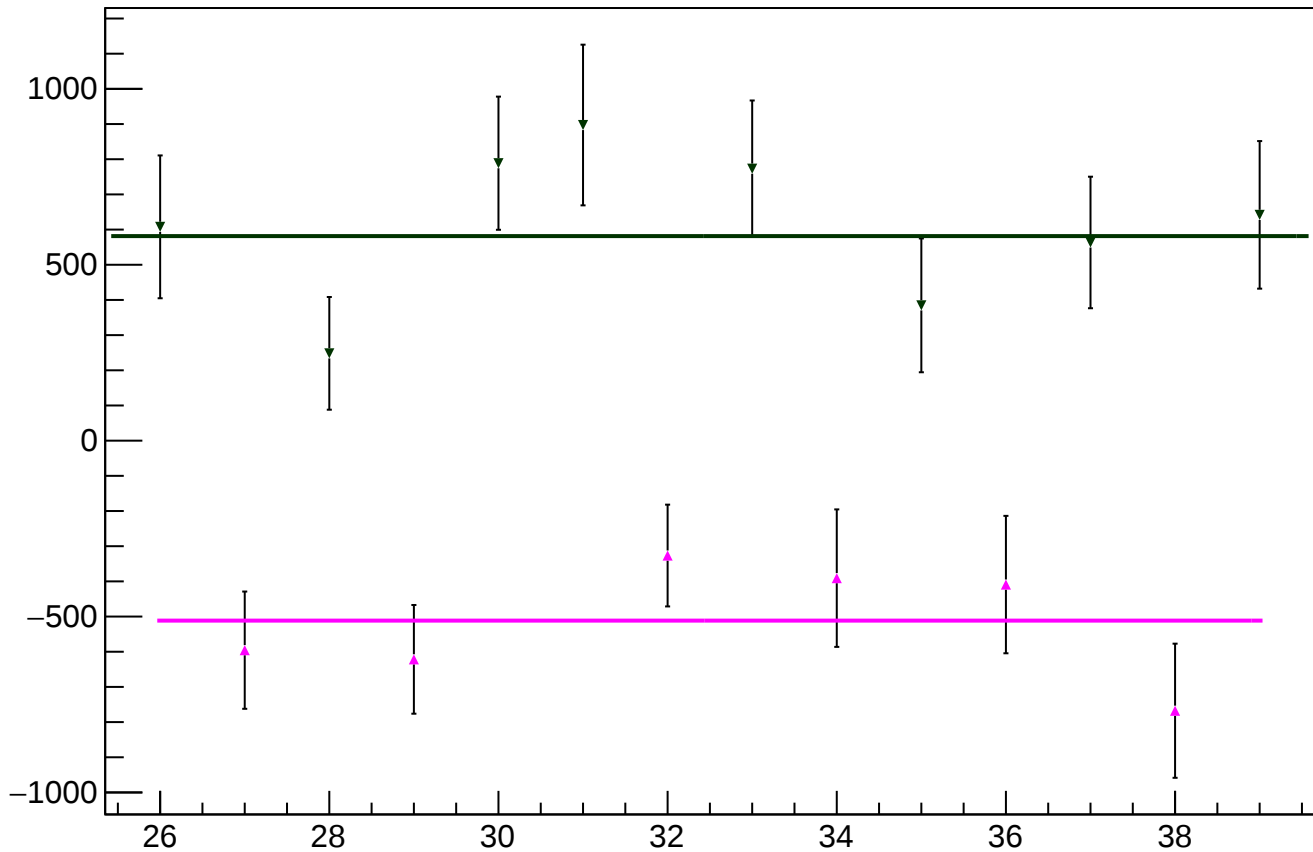
533.418+/-0.195  $\chi^2/\text{NDF}$ : 80459.5/6

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

531.607+/-0.188  $\chi^2/\text{NDF}$ : 128717.8/5

Left In: 531.607+/-0.188  $\chi^2/\text{NDF}$ : 128717.8/5

# reg\_asym\_dsl\_mean vs slug



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

Left Out: 581.490+/-68.054  $\chi^2/\text{NDF}$ : 9.6/7

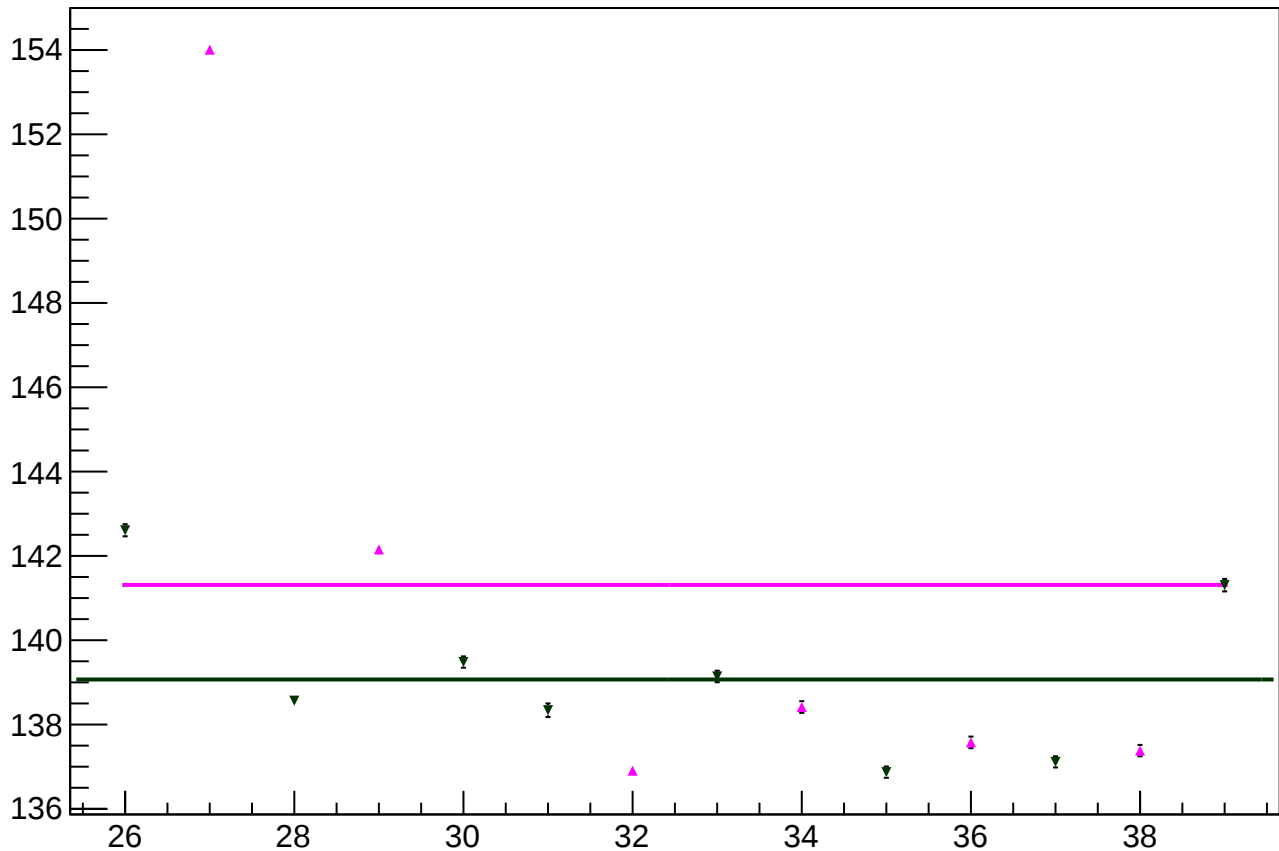
581.490+/-68.054  $\chi^2/\text{NDF}$ : 9.6/7

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

-511.525+/-69.743  $\chi^2/\text{NDF}$ : 4.9/5

Left In: -511.525+/-69.743  $\chi^2/\text{NDF}$ : 4.9/5

# reg\_asym\_dsl\_rms vs slug



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

Left Out: 139.068+/-0.048  $\chi^2/\text{NDF}$ : 1371.0/7

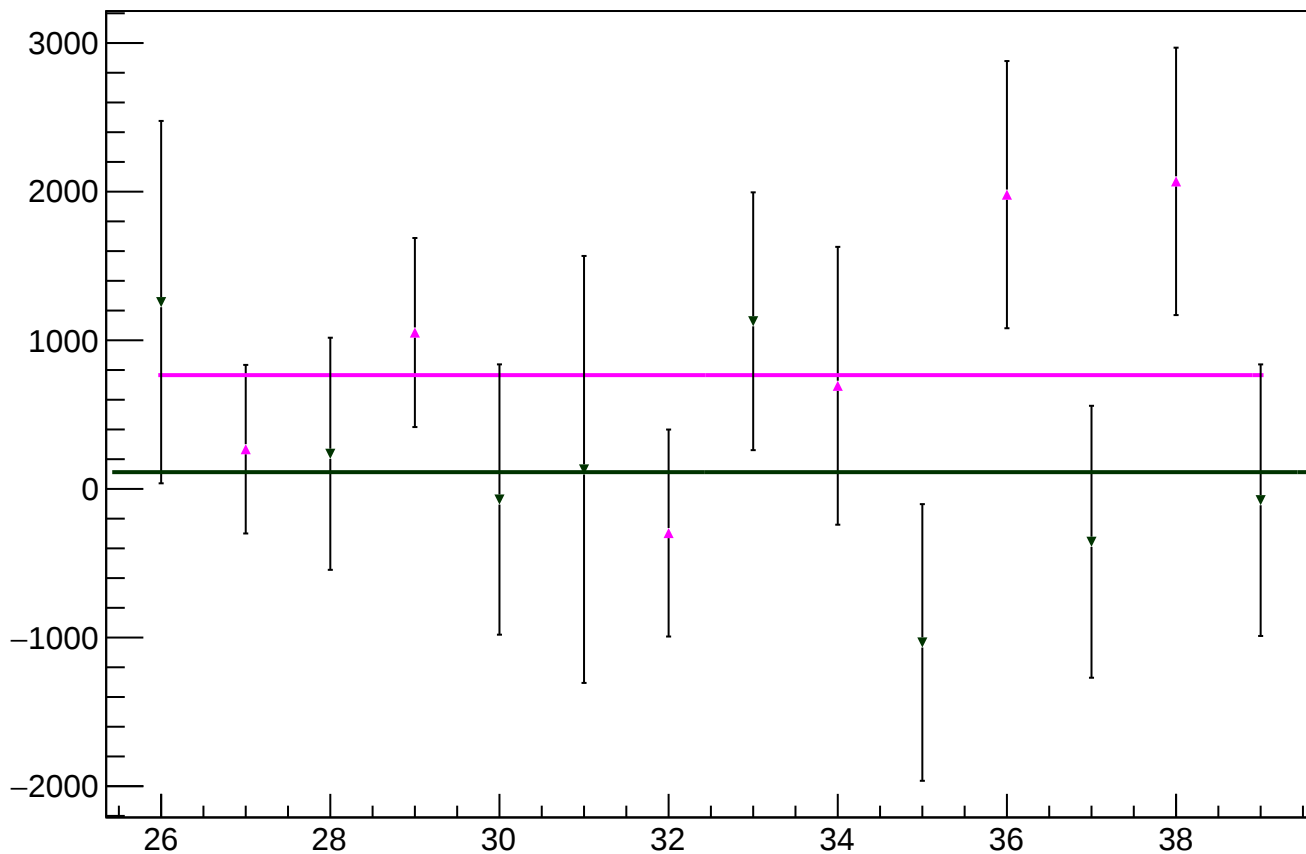
139.068+/-0.048  $\chi^2/\text{NDF}$ : 1371.0/7

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

141.311+/-0.049  $\chi^2/\text{NDF}$ : 15542.1/5

Left In: 141.311+/-0.049  $\chi^2/\text{NDF}$ : 15542.1/5

# asym\_dsl\_correction\_mean vs slug



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

Left Out: 112.823+/-335.500  $\chi^2/\text{NDF}$ : 4.1/7

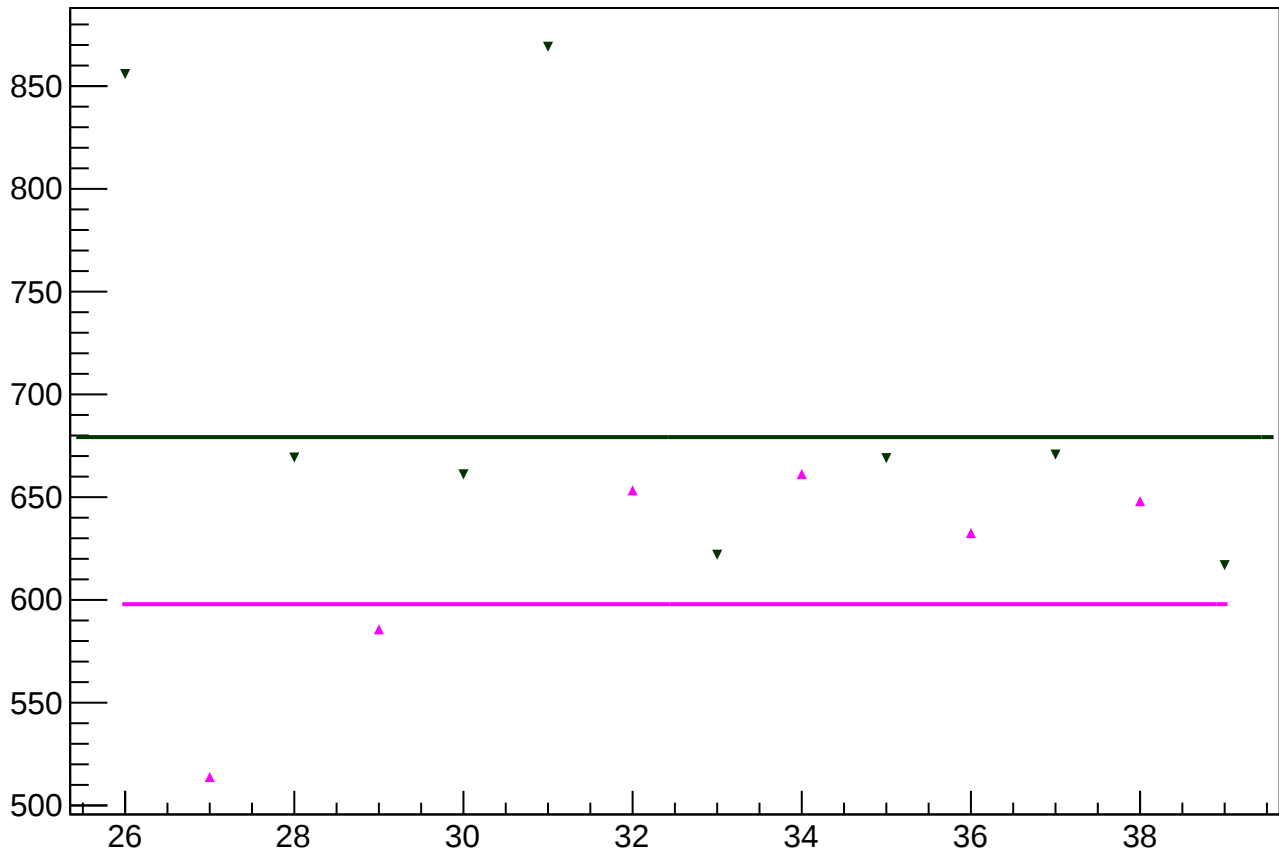
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 765.571+/-297.979  $\chi^2/\text{NDF}$ : 7.2/5

112.823+/-335.500  $\chi^2/\text{NDF}$ : 4.1/7

765.571+/-297.979  $\chi^2/\text{NDF}$ : 7.2/5

# asym\_dsl\_correction\_rms vs slug



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

Left Out: 679.219+/-0.237  $\chi^2/\text{NDF}$ : 96512.3/7

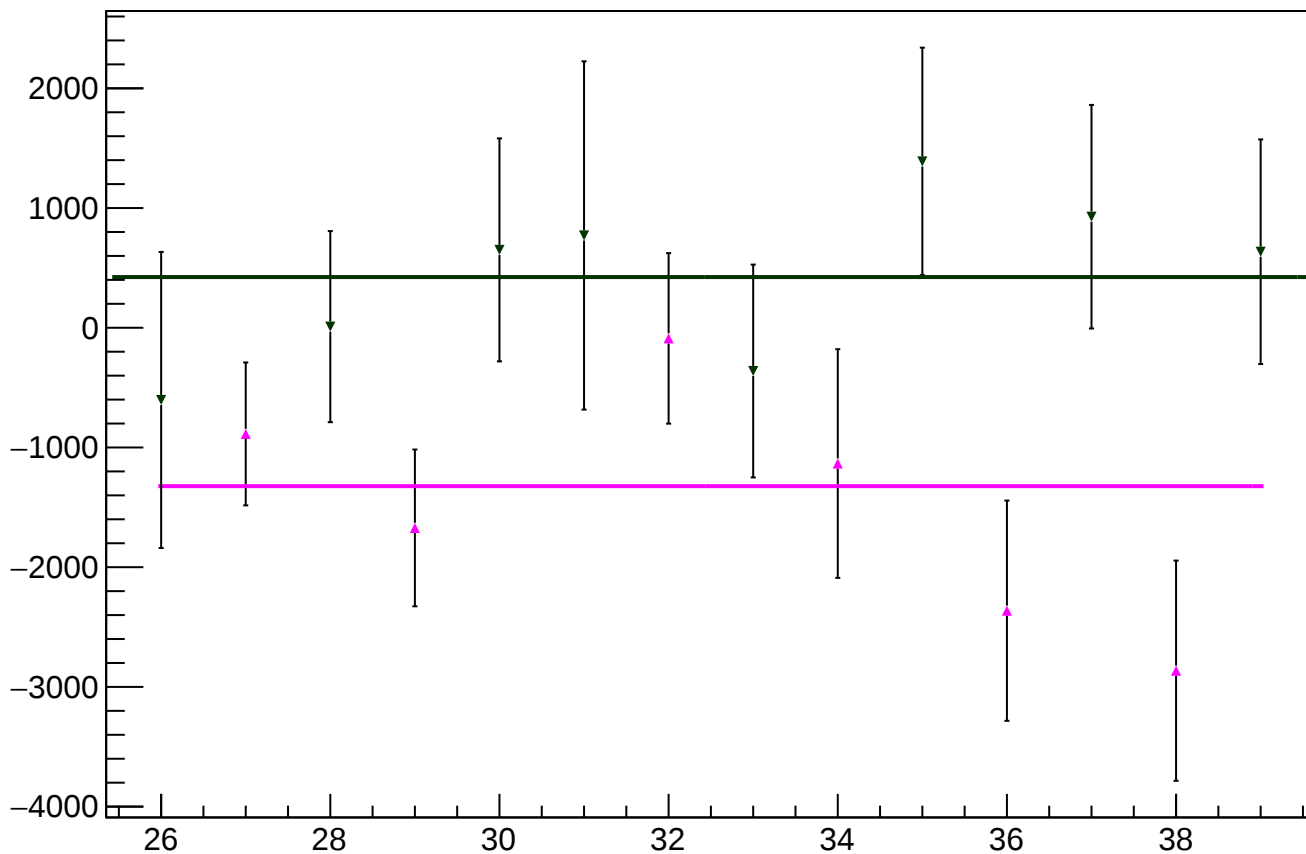
679.219+/-0.237  $\chi^2/\text{NDF}$ : 96512.3/7

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

597.919+/-0.211  $\chi^2/\text{NDF}$ : 75709.6/5

Left In: 597.919+/-0.211  $\chi^2/\text{NDF}$ : 75709.6/5

# asym\_dsl\_mean vs slug



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

Left Out: 423.503+/-342.879  $\chi^2/\text{NDF}$ : 3.2/7

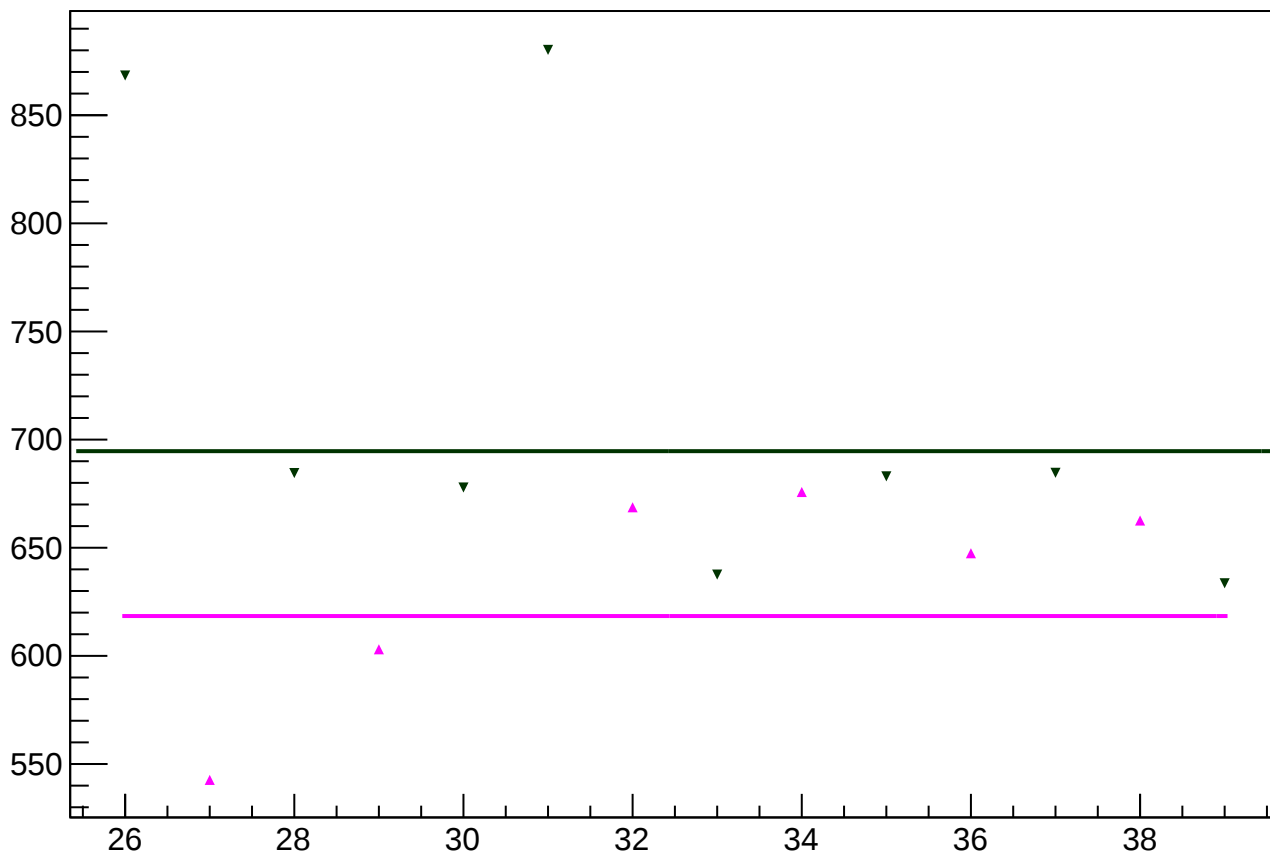
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1323.020+/-307.561  $\chi^2/\text{NDF}$ : 7.9/5

423.503+/-342.879  $\chi^2/\text{NDF}$ : 3.2/7

-1323.020+/-307.561  $\chi^2/\text{NDF}$ : 7.9/5

# asym\_dsl\_rms vs slug



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

Left Out: 694.659+/-0.242  $\chi^2/\text{NDF}$ : 90230.8/7

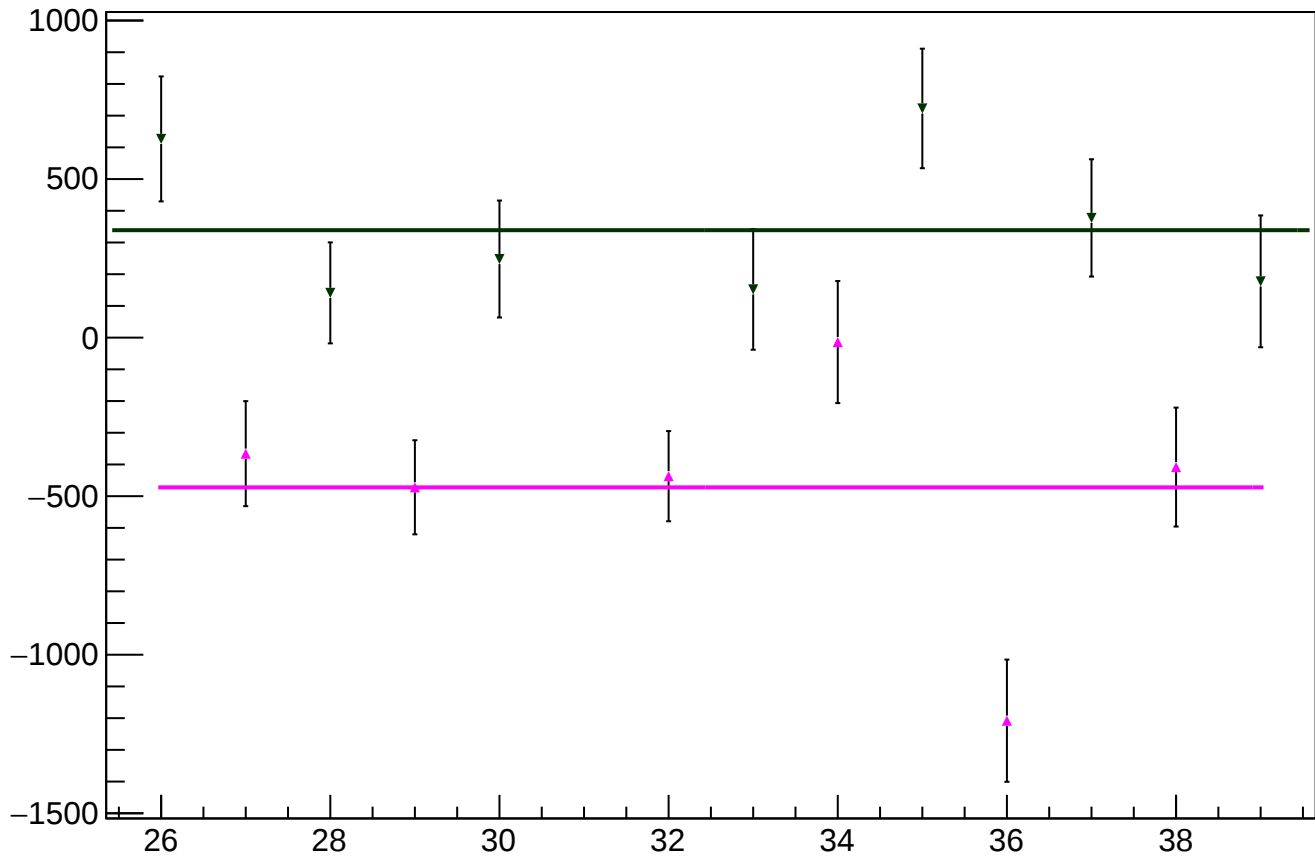
694.659+/-0.242  $\chi^2/\text{NDF}$ : 90230.8/7

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

618.419+/-0.217  $\chi^2/\text{NDF}$ : 57125.9/5

Left In: 618.419+/-0.217  $\chi^2/\text{NDF}$ : 57125.9/5

# reg\_asym\_dsr\_mean vs slug



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

Left Out: 338.806+/-70.239  $\chi^2/\text{NDF}$ : 9.7/6

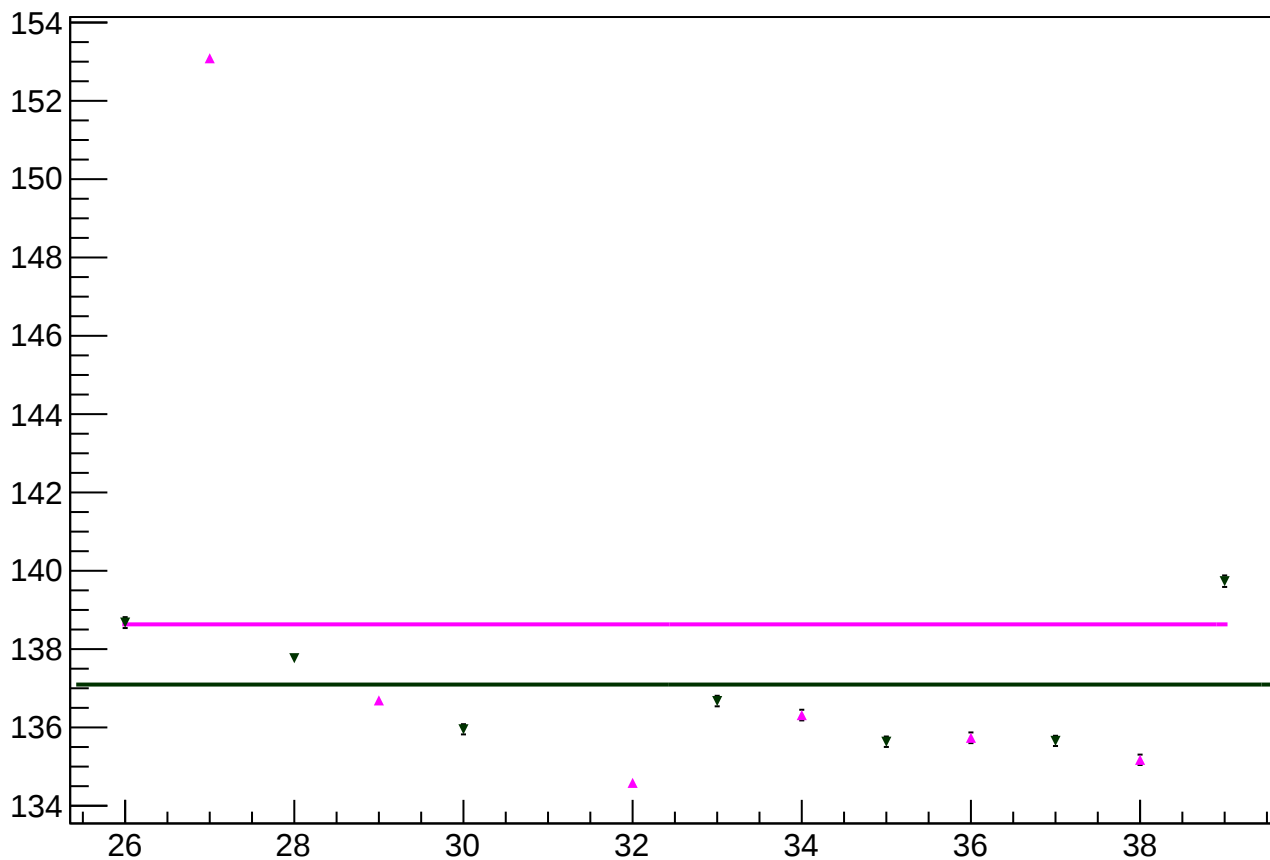
338.806+/-70.239  $\chi^2/\text{NDF}$ : 9.7/6

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

-472.169+/-68.404  $\chi^2/\text{NDF}$ : 20.8/5

Left In: -472.169+/-68.404  $\chi^2/\text{NDF}$ : 20.8/5

# reg\_asym\_dsr\_rms vs slug



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

Left Out: 137.095+/-0.050  $\chi^2/\text{NDF}$ : 814.6/6

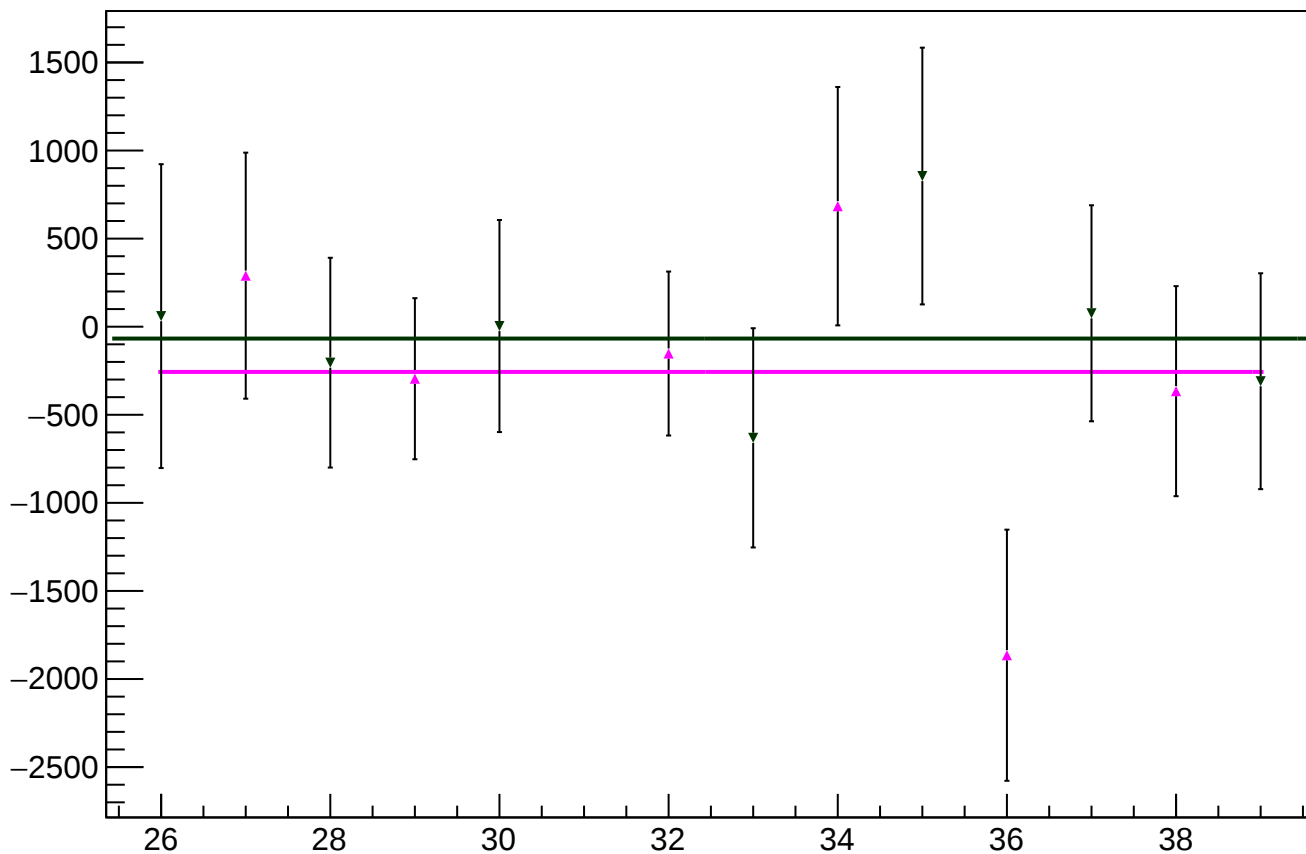
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 138.632+/-0.048  $\chi^2/\text{NDF}$ : 18626.3/5

137.095+/-0.050  $\chi^2/\text{NDF}$ : 814.6/6

138.632+/-0.048  $\chi^2/\text{NDF}$ : 18626.3/5

asym\_dsr\_correction\_mean vs slug



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

Left Out: -67.346+/-244.603  $\chi^2/\text{NDF}$ : 2.7/6

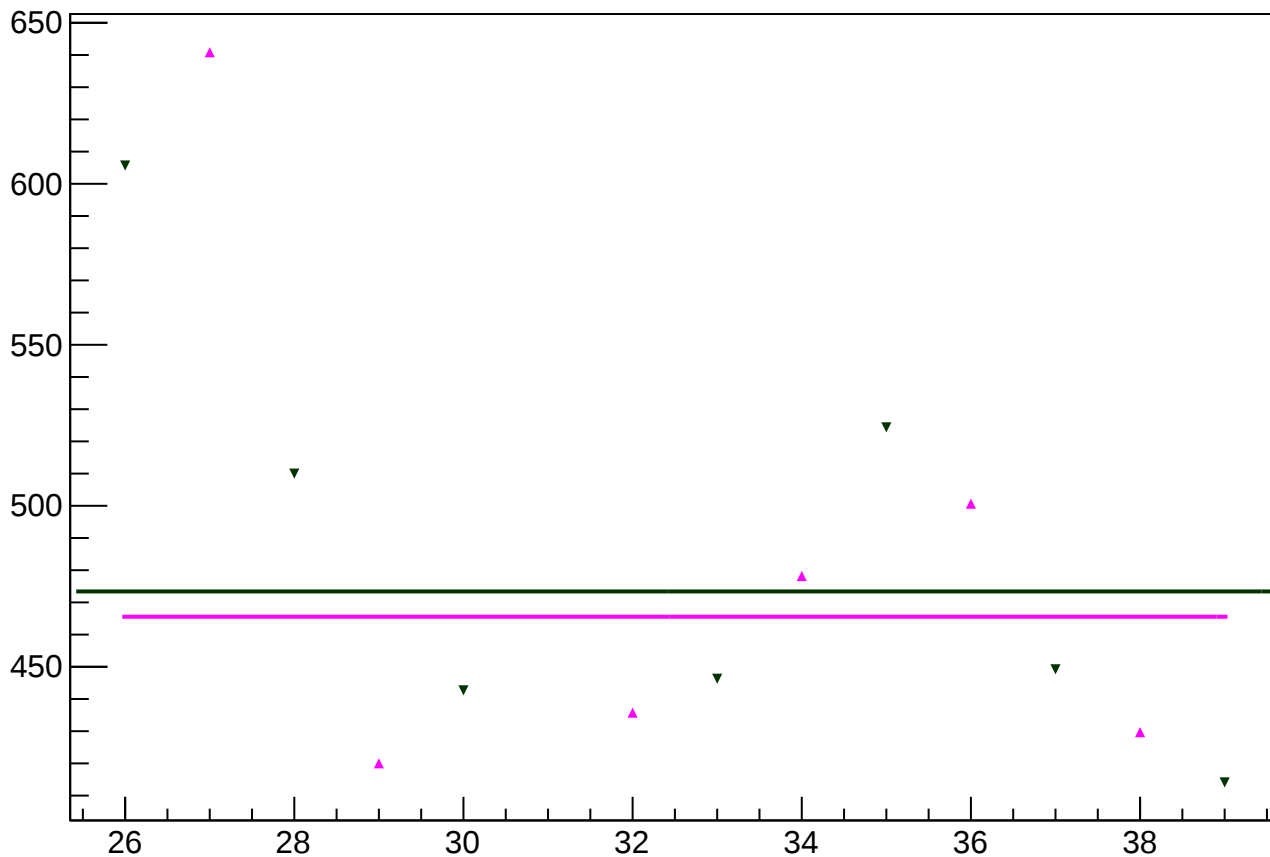
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -256.686+/-233.019  $\chi^2/\text{NDF}$ : 7.7/5

-67.346+/-244.603  $\chi^2/\text{NDF}$ : 2.7/6

-256.686+/-233.019  $\chi^2/\text{NDF}$ : 7.7/5

# asym\_dsr\_correction\_rms vs slug



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

Left Out: 473.400+/-0.173  $\chi^2/\text{NDF}$ :95229.2/6

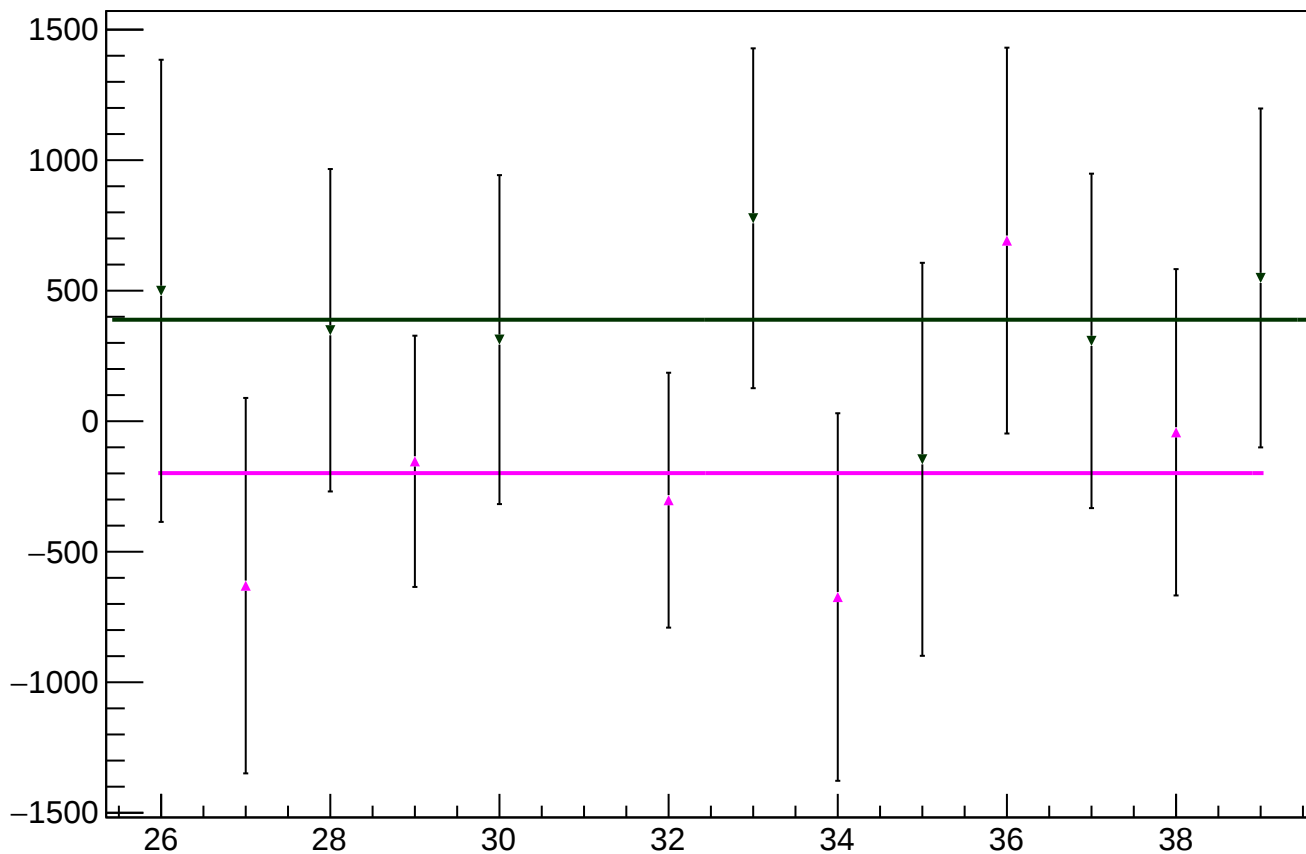
473.400+/-0.173  $\chi^2/\text{NDF}$ : 95229.2/6

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

465.548+/-0.165  $\chi^2/\text{NDF}$ : 166839.7/5

Left In: 465.548+/-0.165  $\chi^2/\text{NDF}$ :166839.7/5

# asym\_dsr\_mean vs slug



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

Left Out: 388.733+/-255.216  $\chi^2/\text{NDF}$ : 1.0/6

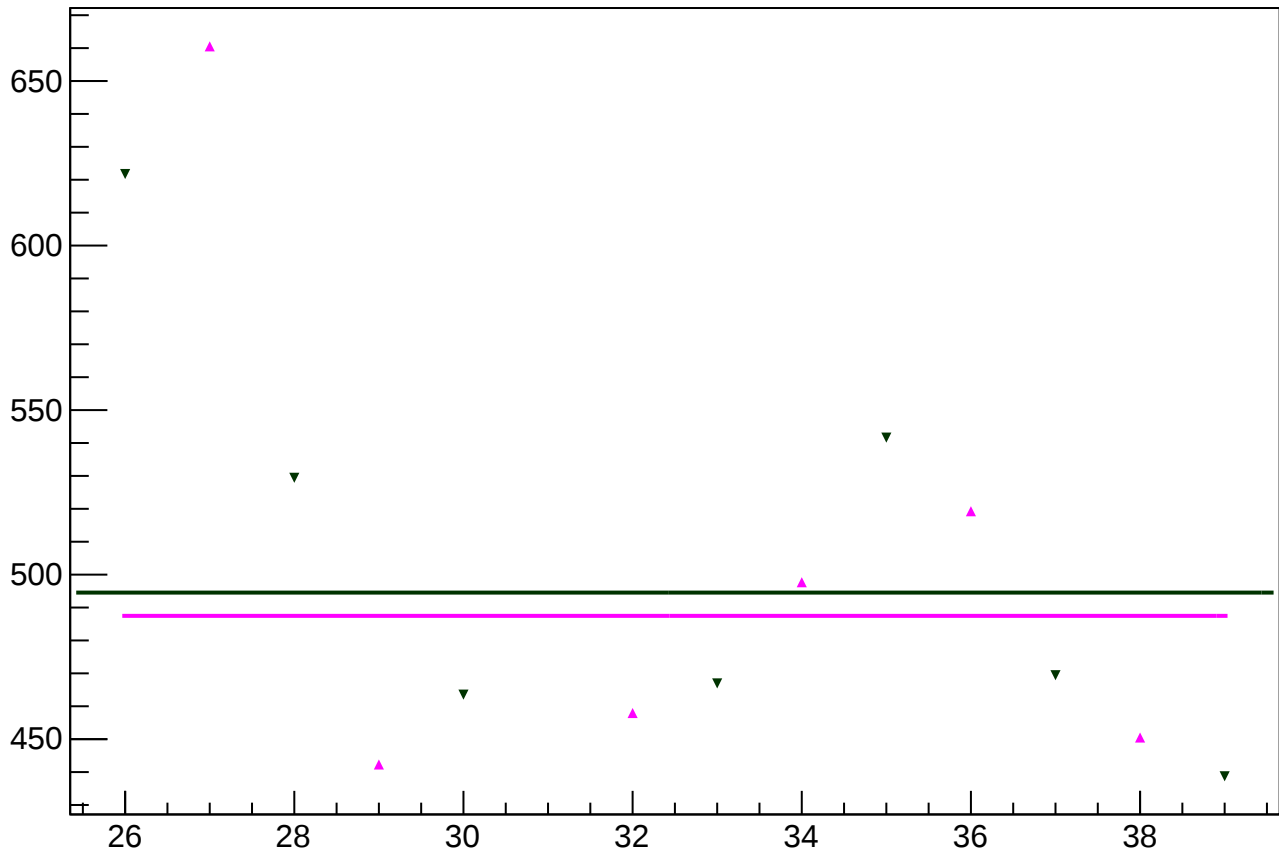
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -198.831+/-243.572  $\chi^2/\text{NDF}$ : 2.4/5

388.733+/-255.216  $\chi^2/\text{NDF}$ : 1.0/6

-198.831+/-243.572  $\chi^2/\text{NDF}$ : 2.4/5

# asym\_dsr\_rms vs slug



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

Left Out: 494.544+/-0.180  $\chi^2/\text{NDF}$ : 81810.1/6

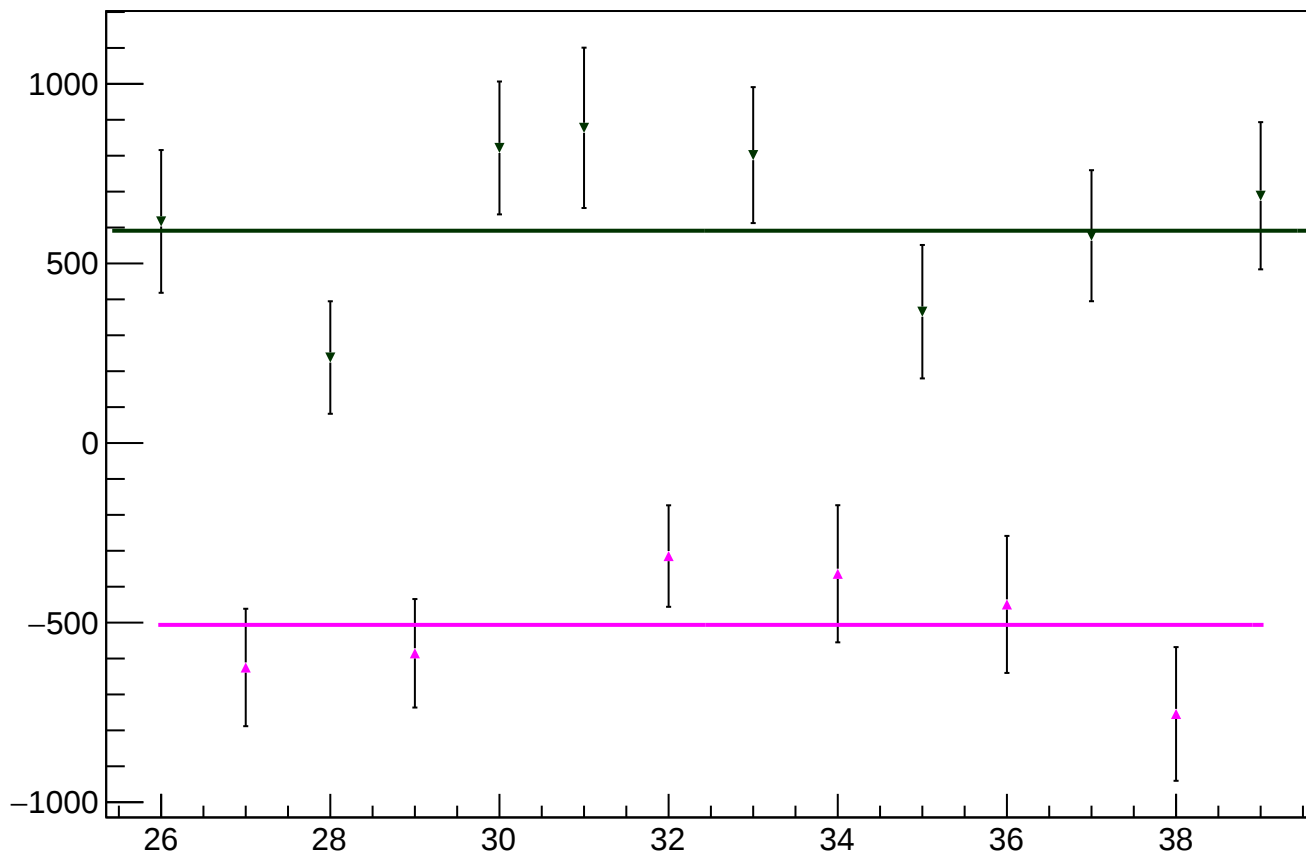
494.544+/-0.180  $\chi^2/\text{NDF}$ : 81810.1/6

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

Left In: 487.474+/-0.172  $\chi^2/\text{NDF}$ : 151891.3/5

487.474+/-0.172  $\chi^2/\text{NDF}$ : 151891.3/5

# reg\_asym\_left\_avg\_mean vs slug



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

Left Out: 591.117+/-66.501  $\chi^2/\text{NDF}$ : 11.2/7

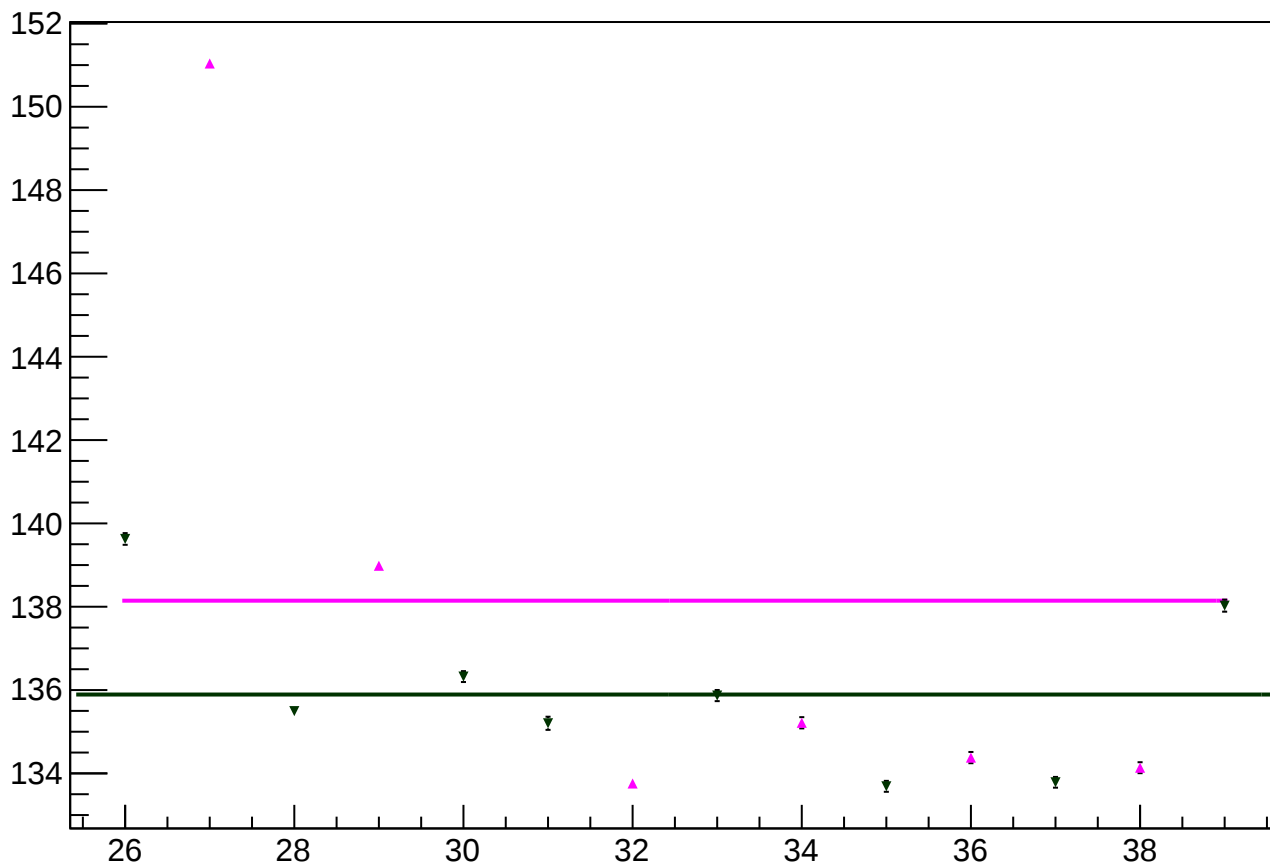
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -506.300+/-68.184  $\chi^2/\text{NDF}$ : 5.1/5

591.117+/-66.501  $\chi^2/\text{NDF}$ : 11.2/7

-506.300+/-68.184  $\chi^2/\text{NDF}$ : 5.1/5

# reg\_asym\_left\_avg\_rms vs slug



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

Left Out: 135.893+/-0.047  $\chi^2/\text{NDF}$ :1513.8/7

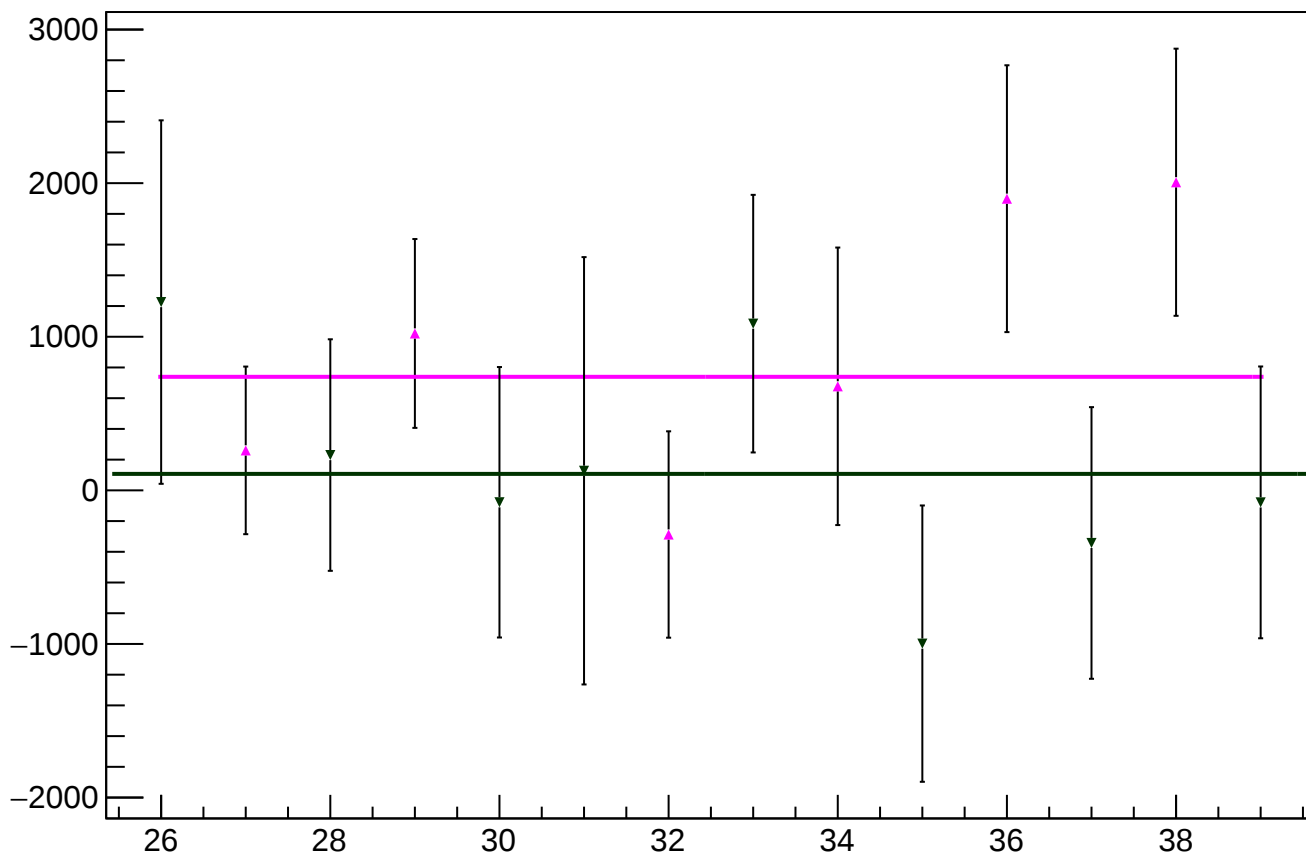
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 138.145+/-0.048  $\chi^2/\text{NDF}$ :16611.1/5

135.893+/-0.047  $\chi^2/\text{NDF}$ : 1513.8/7

138.145+/-0.048  $\chi^2/\text{NDF}$ : 16611.1/5

# asym\_left\_avg\_correction\_mean vs slug



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

Left Out: 107.179+/-324.514  $\chi^2/\text{NDF}$ : 4.1/7

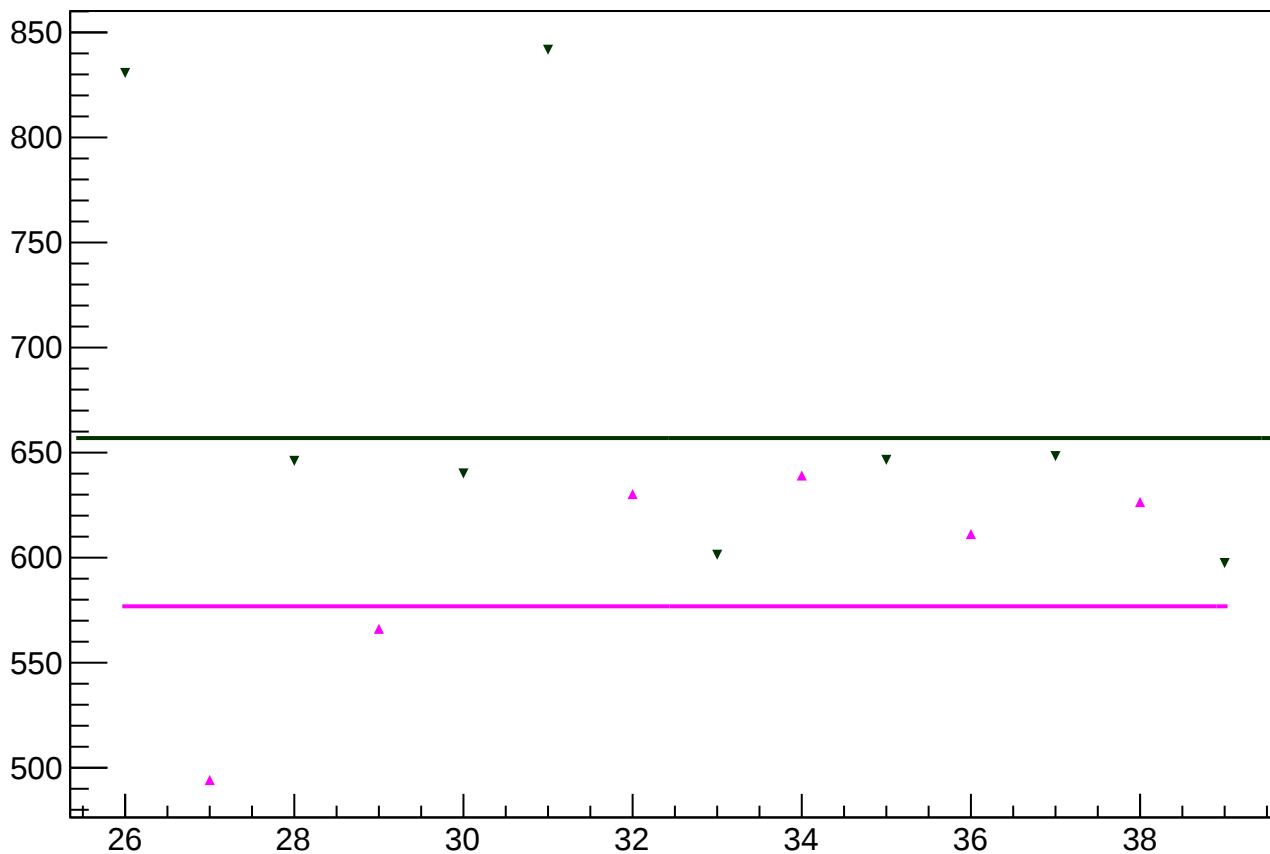
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 739.175+/-287.547  $\chi^2/\text{NDF}$ : 7.2/5

107.179+/-324.514  $\chi^2/\text{NDF}$ : 4.1/7

739.175+/-287.547  $\chi^2/\text{NDF}$ : 7.2/5

# asym\_left\_avg\_correction\_rms vs slug



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

Left Out: 656.925+/-0.229  $\chi^2/\text{NDF}$ : 97868.0/7

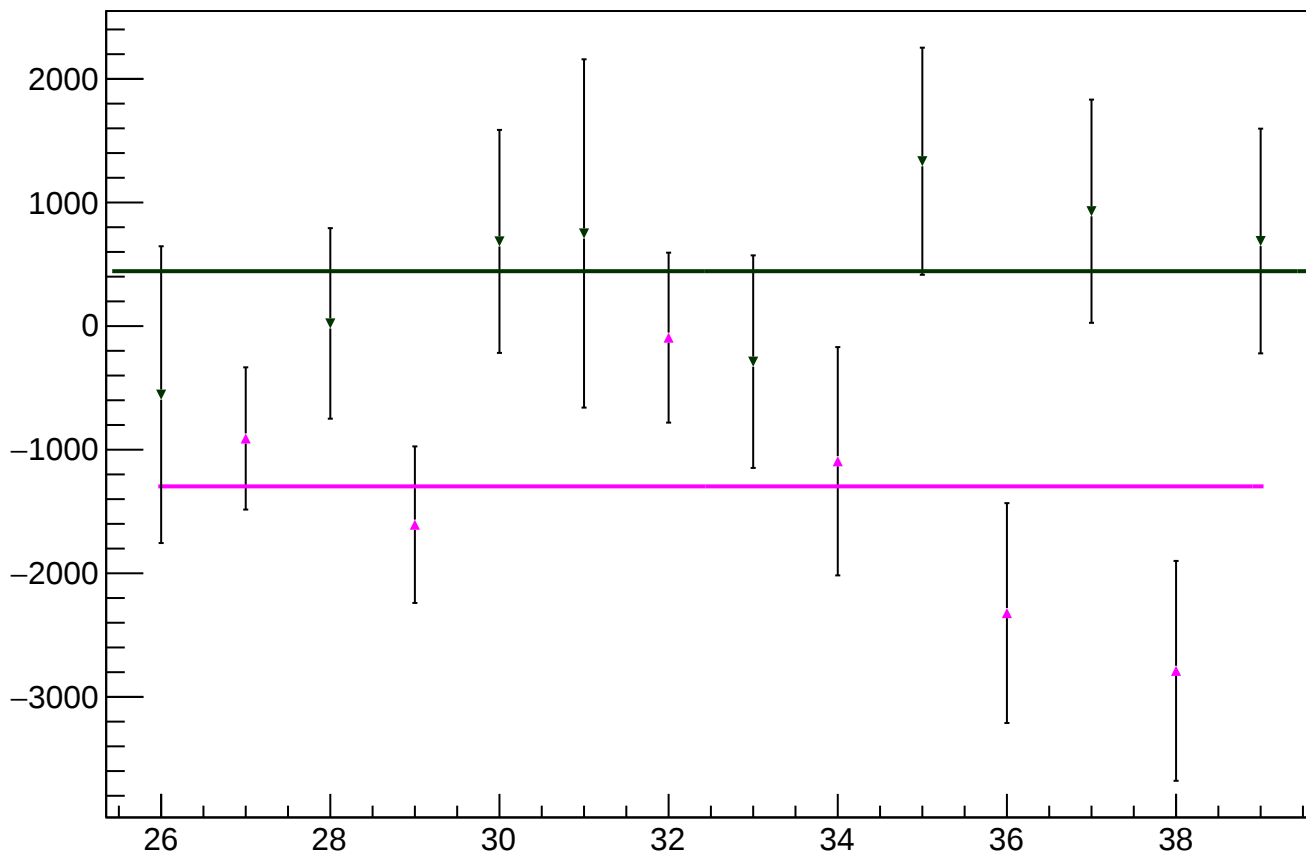
656.925+/-0.229  $\chi^2/\text{NDF}$ : 97868.0/7

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

576.840+/-0.203  $\chi^2/\text{NDF}$ : 78326.2/5

Left In: 576.840+/-0.203  $\chi^2/\text{NDF}$ : 78326.2/5

# asym\_left\_avg\_mean vs slug



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

Left Out: 444.301+/-331.798  $\chi^2/\text{NDF}$ : 3.1/7

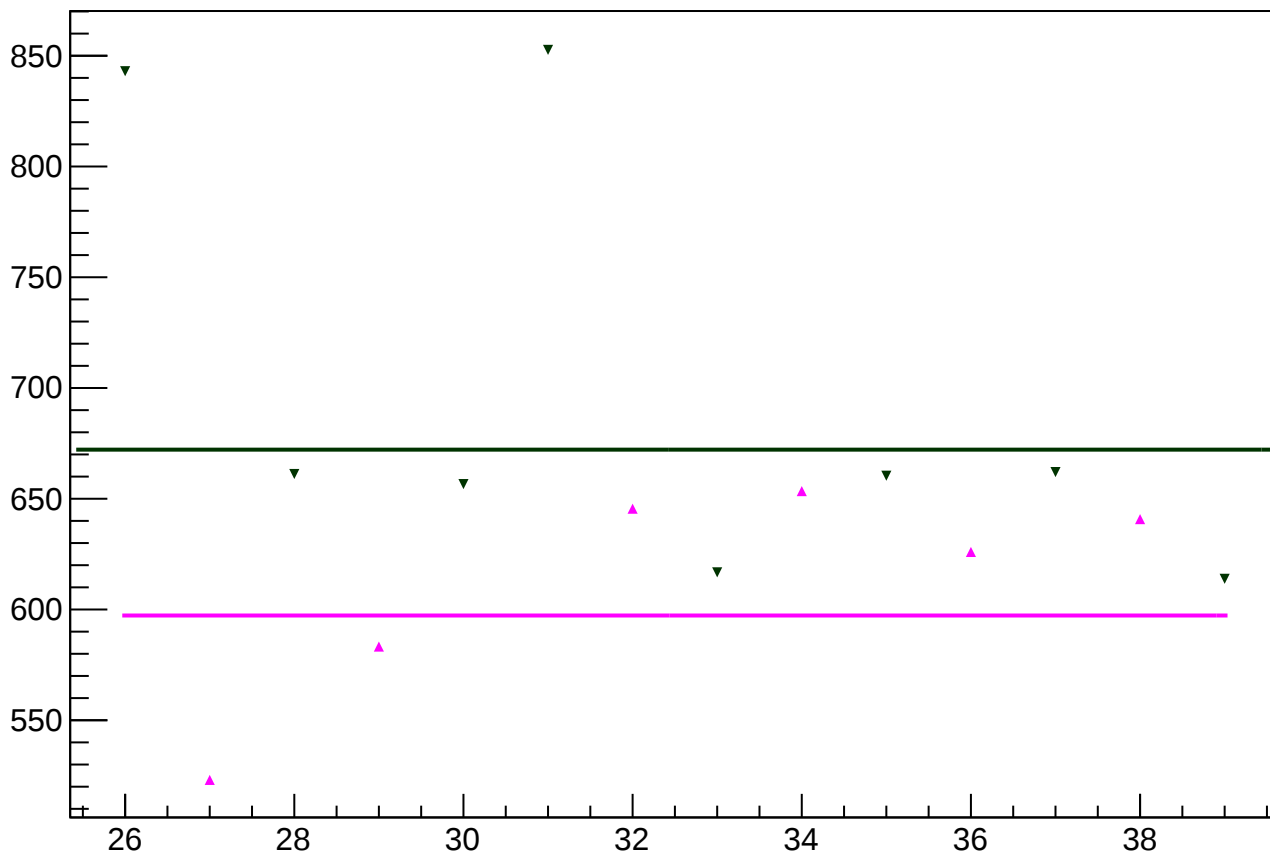
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1296.685+/-297.088  $\chi^2/\text{NDF}$ : 7.9/5

444.301+/-331.798  $\chi^2/\text{NDF}$ : 3.1/7

-1296.685+/-297.088  $\chi^2/\text{NDF}$ : 7.9/5

# asym\_left\_avg\_rms vs slug



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

Left Out: 672.167+/-0.235  $\chi^2/\text{NDF}$ : 91432.1/7

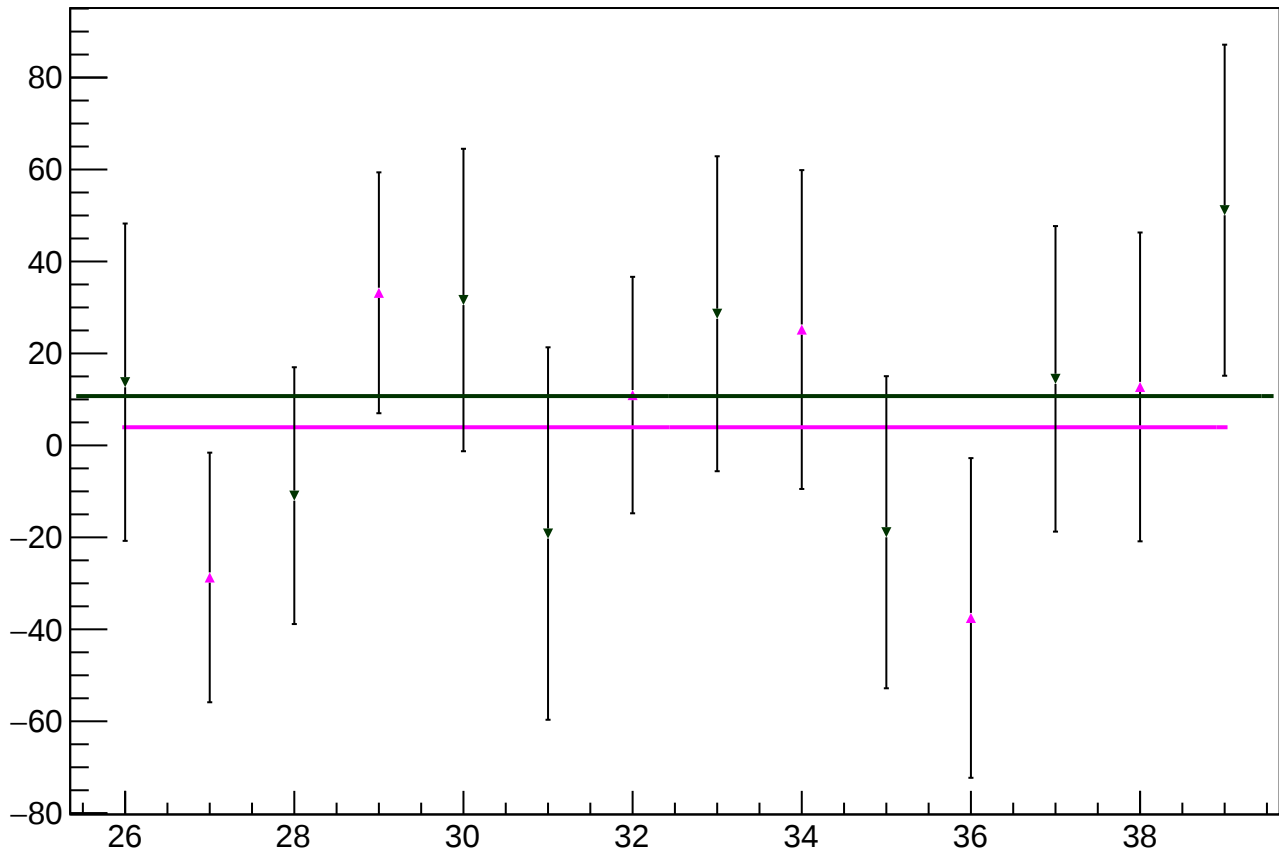
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 597.287+/-0.210  $\chi^2/\text{NDF}$ : 58361.5/5

672.167+/-0.235  $\chi^2/\text{NDF}$ : 91432.1/7

597.287+/-0.210  $\chi^2/\text{NDF}$ : 58361.5/5

# reg\_asym\_left\_dd\_mean vs slug



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

Left Out: 10.726+/-11.906  $\chi^2/\text{NDF}$ : 3.9/7

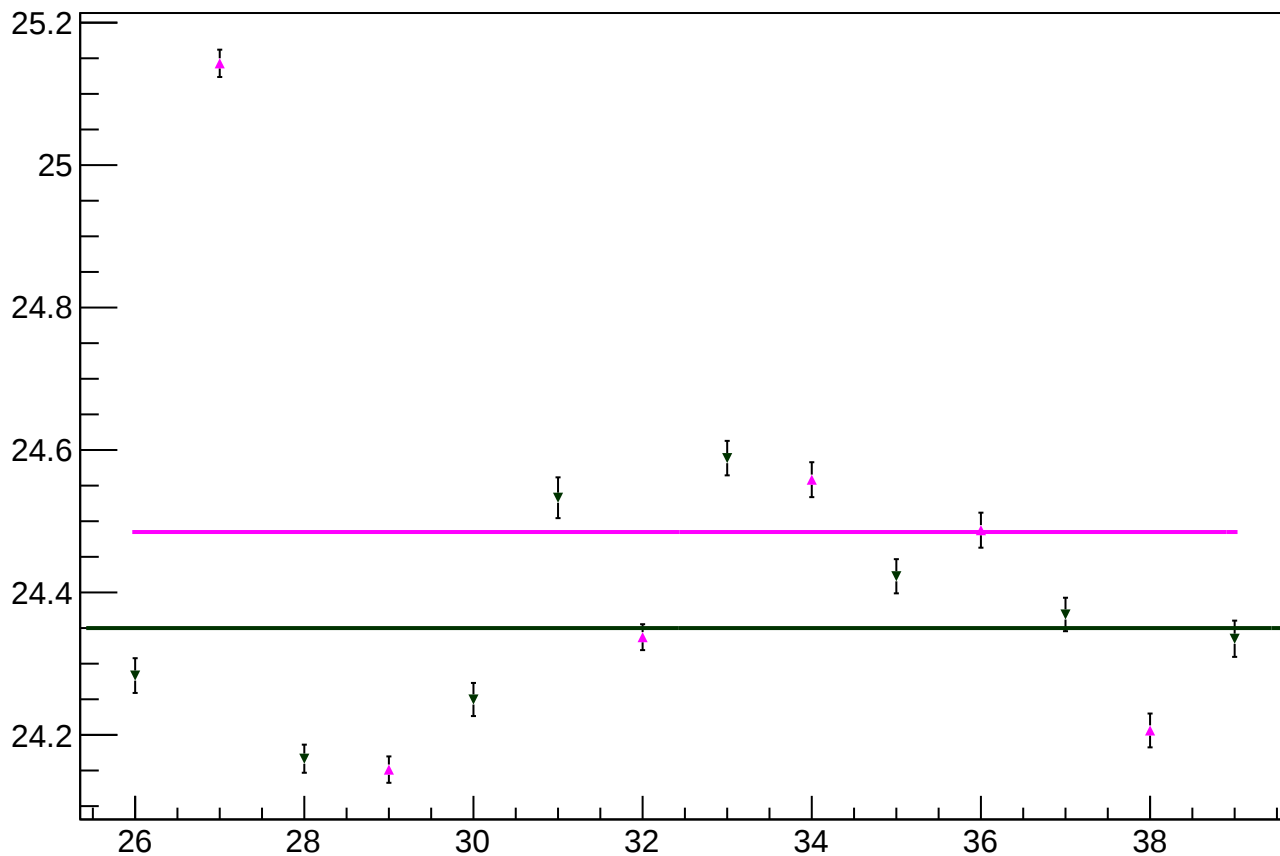
10.726+/-11.906  $\chi^2/\text{NDF}$ : 3.9/7

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

Left In: 3.946+/-12.062  $\chi^2/\text{NDF}$ : 4.6/5

3.946+/-12.062  $\chi^2/\text{NDF}$ : 4.6/5

# reg\_asym\_left\_dd\_rms vs slug



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

Left Out: 24.350+/-0.008  $\chi^2/\text{NDF}$ :260.5/7

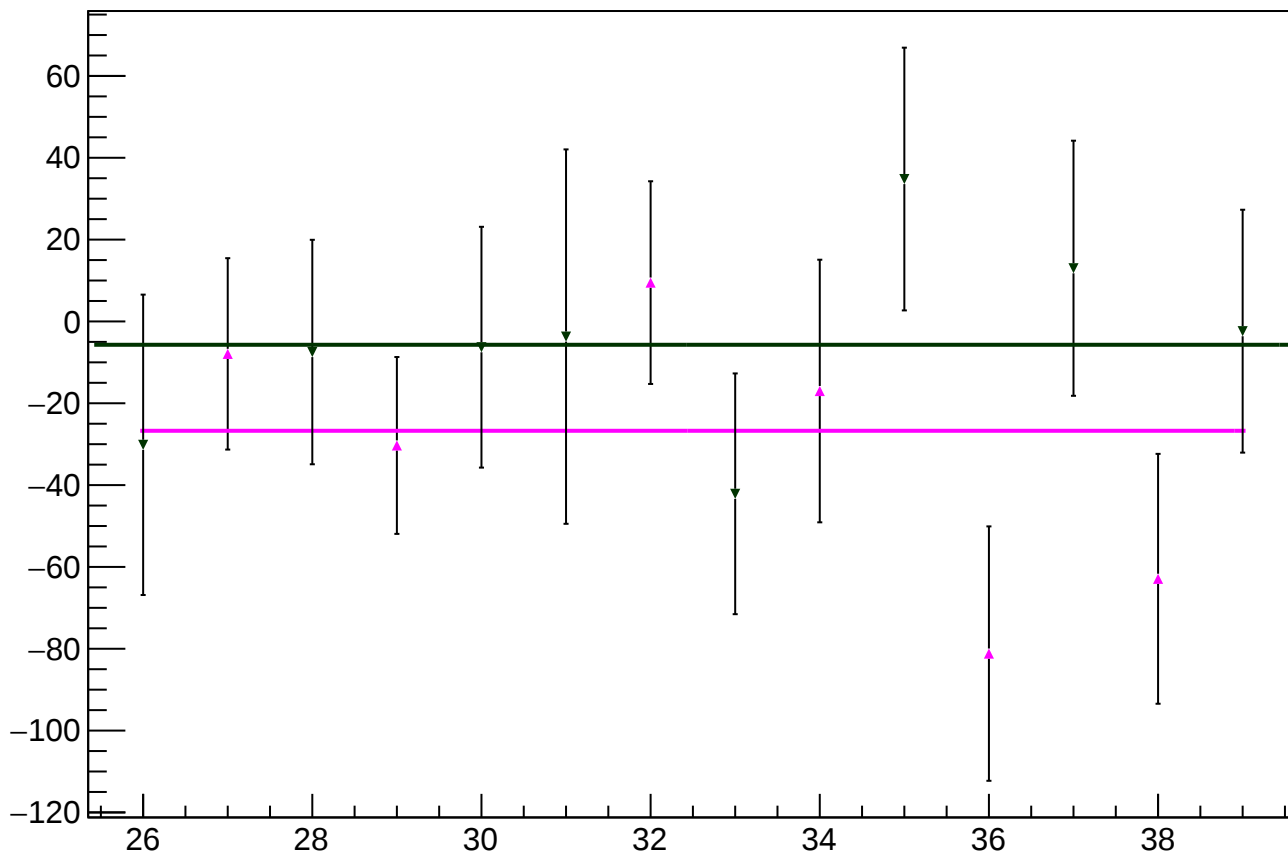
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 24.485+/-0.009  $\chi^2/\text{NDF}$ :1712.4/5

24.350+/-0.008  $\chi^2/\text{NDF}$ : 260.5/7

24.485+/-0.009  $\chi^2/\text{NDF}$ : 1712.4/5

# asym\_left\_dd\_correction\_mean vs slug



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

Left Out: -5.706+/-11.185  $\chi^2/\text{NDF}$ : 3.9/7

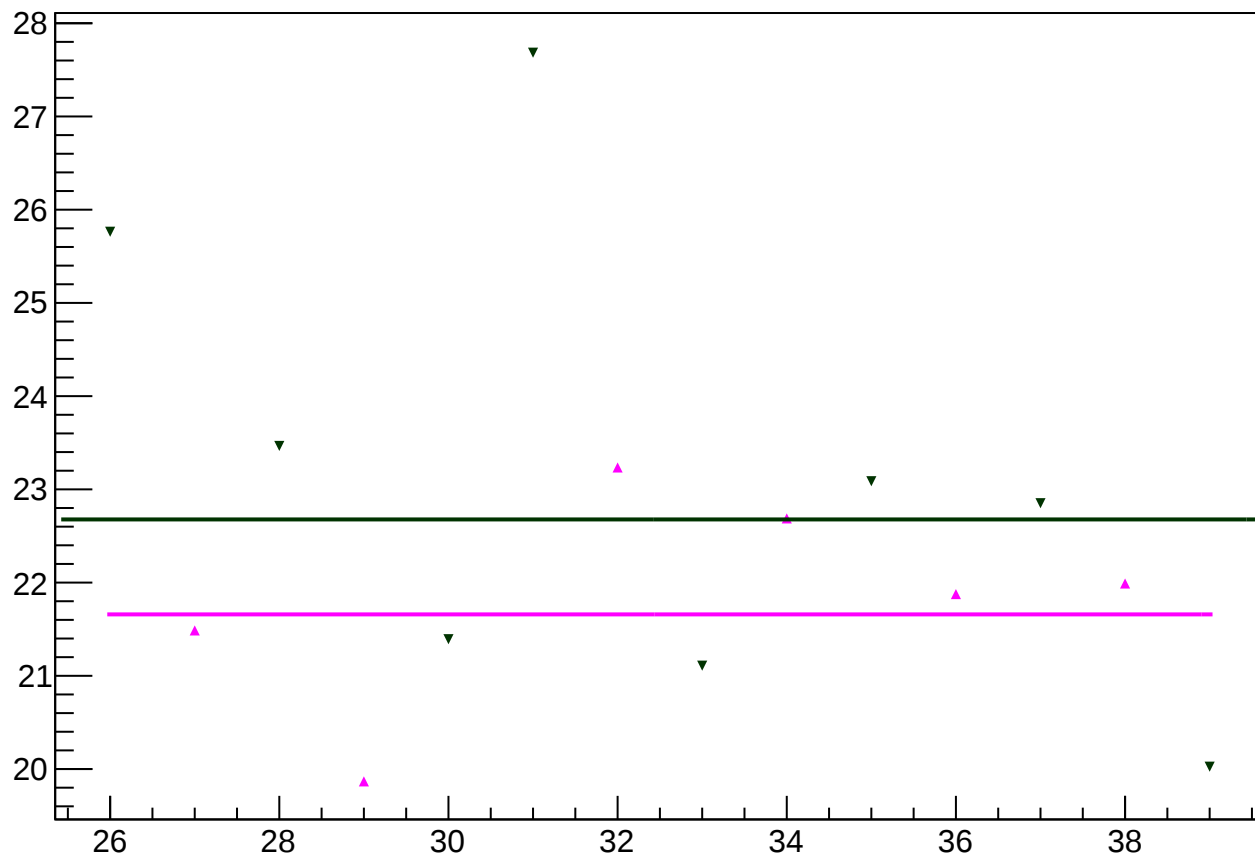
-5.706+/-11.185  $\chi^2/\text{NDF}$ : 3.9/7

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

-26.726+/-10.736  $\chi^2/\text{NDF}$ : 7.4/5

Left In: -26.726+/-10.736  $\chi^2/\text{NDF}$ : 7.4/5

# asym\_left\_dd\_correction\_rms vs slug



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

Left Out: 22.677+/-0.008  $\chi^2/\text{NDF}$ : 65586.8/7

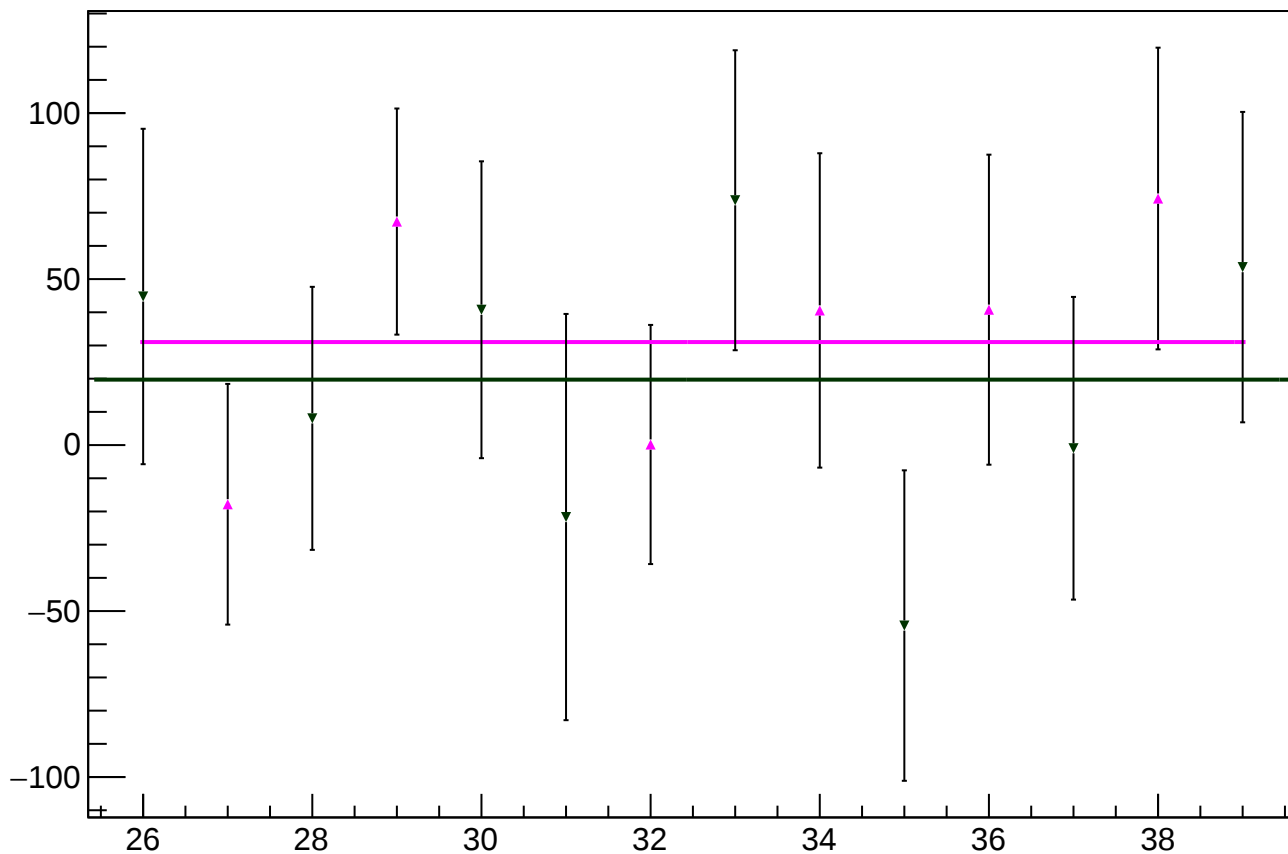
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 21.659+/-0.008  $\chi^2/\text{NDF}$ : 24331.3/5

22.677+/-0.008  $\chi^2/\text{NDF}$ : 65586.8/7

21.659+/-0.008  $\chi^2/\text{NDF}$ : 24331.3/5

# asym\_left\_dd\_mean vs slug



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

Left Out: 19.716+/-16.480  $\chi^2/\text{NDF}$ : 5.7/7

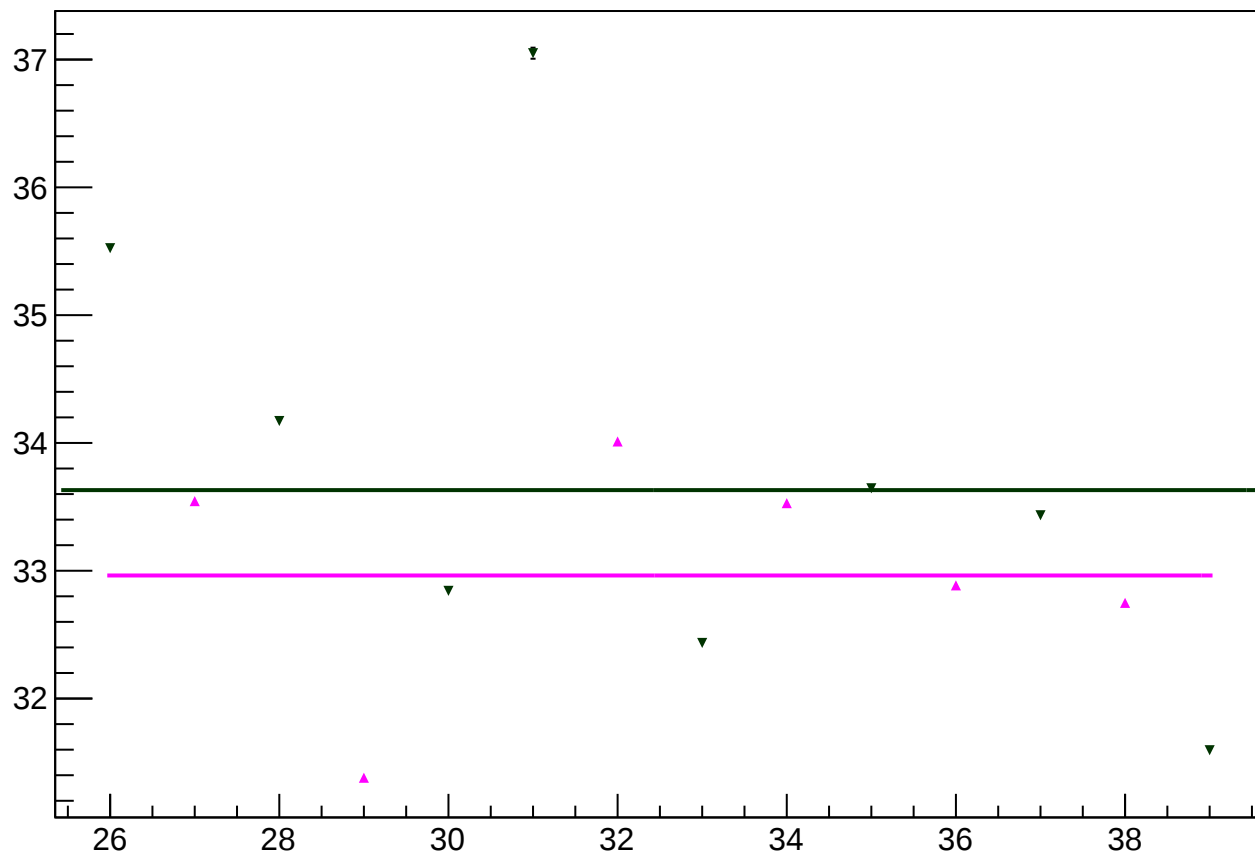
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 31.032+/-16.259  $\chi^2/\text{NDF}$ : 4.7/5

19.716+/-16.480  $\chi^2/\text{NDF}$ : 5.7/7

31.032+/-16.259  $\chi^2/\text{NDF}$ : 4.7/5

# asym\_left\_dd\_rms vs slug



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

Left Out: 33.631+/-0.012  $\chi^2/\text{NDF}$ : 15275.8/7

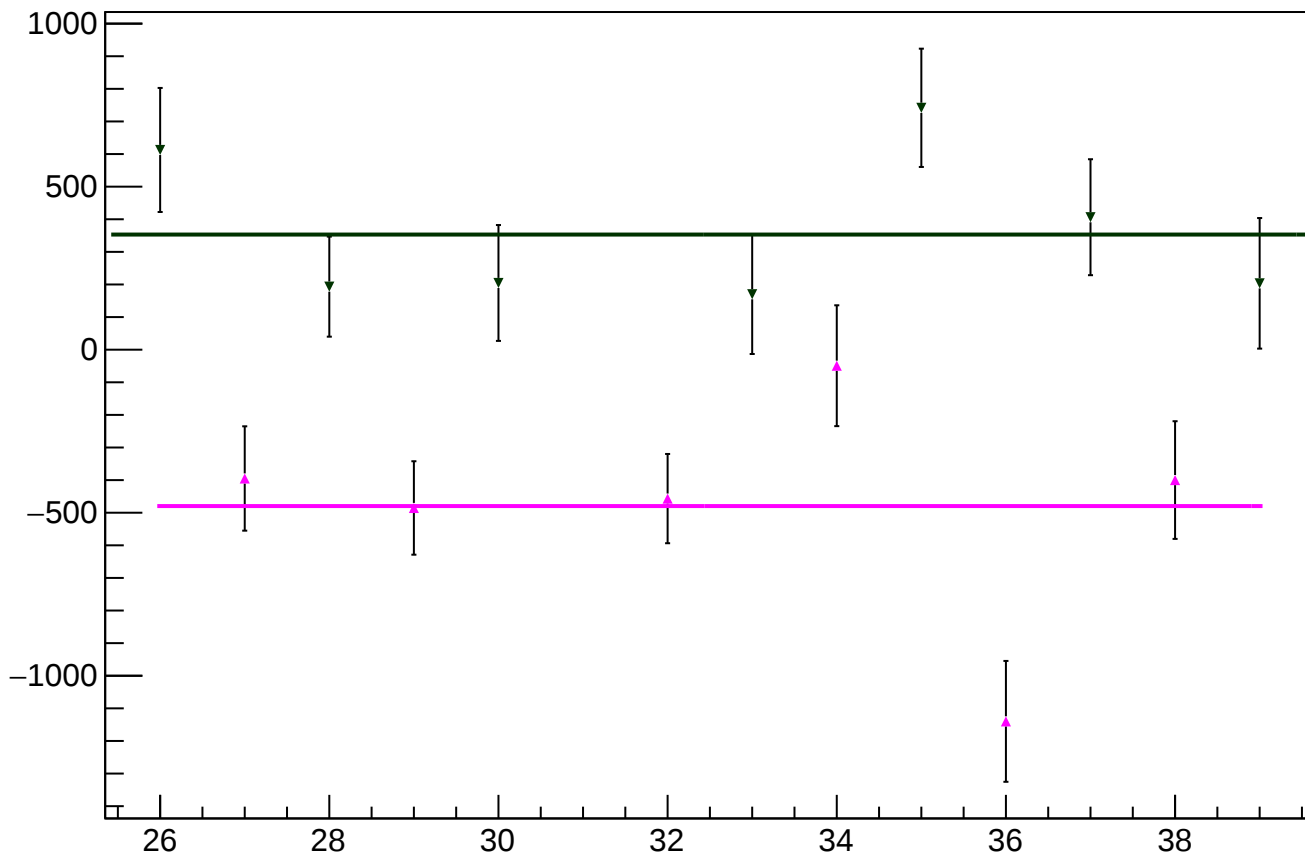
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 32.963+/-0.011  $\chi^2/\text{NDF}$ : 6864.3/5

33.631+/-0.012  $\chi^2/\text{NDF}$ : 15275.8/7

32.963+/-0.011  $\chi^2/\text{NDF}$ : 6864.3/5

# reg\_asym\_right\_avg\_mean vs slug



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

Left Out: 353.106+/-67.652  $\chi^2/\text{NDF}$ : 9.9/6

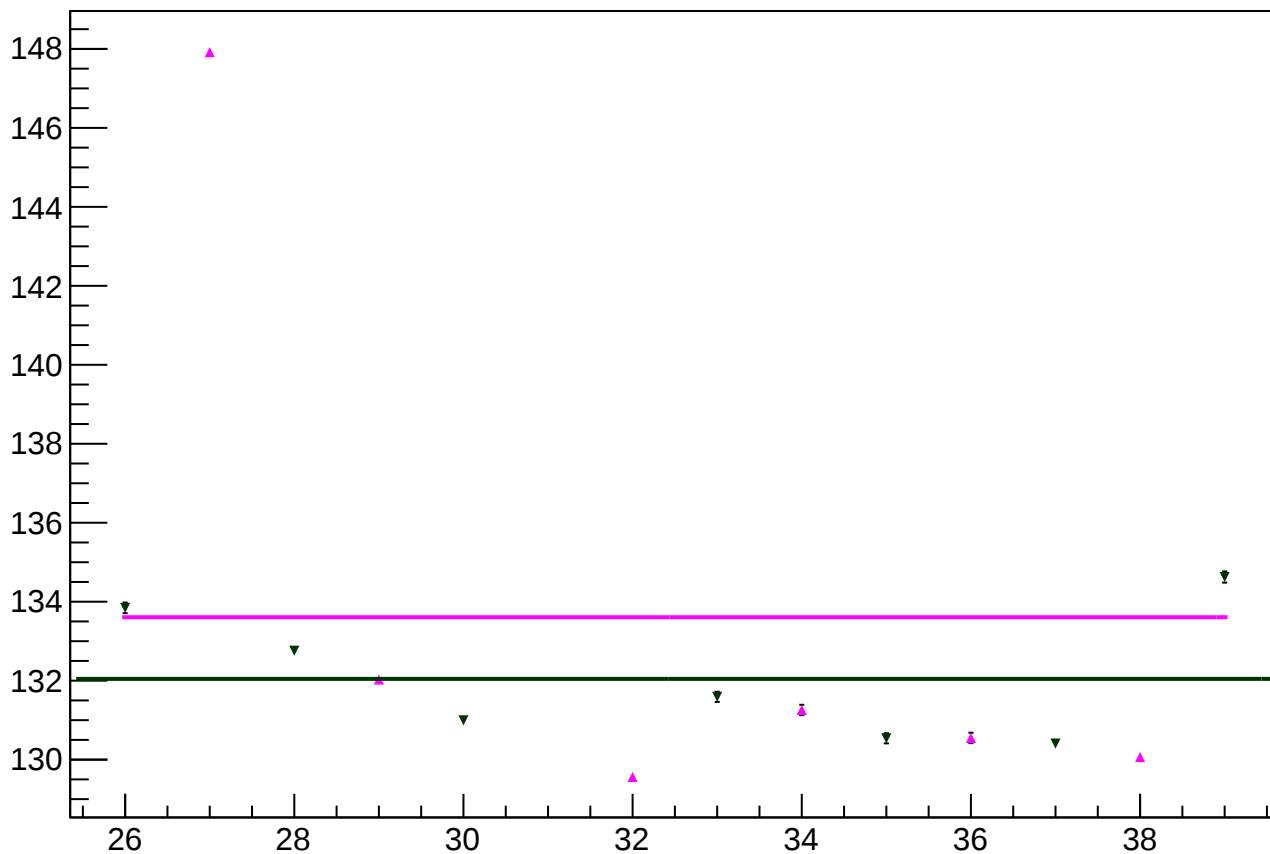
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -479.597+/-65.930  $\chi^2/\text{NDF}$ : 18.6/5

353.106+/-67.652  $\chi^2/\text{NDF}$ : 9.9/6

-479.597+/-65.930  $\chi^2/\text{NDF}$ : 18.6/5

# reg\_asym\_right\_avg\_rms vs slug



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

Left Out: 132.045+/-0.048  $\chi^2/\text{NDF}$ : 943.5/6

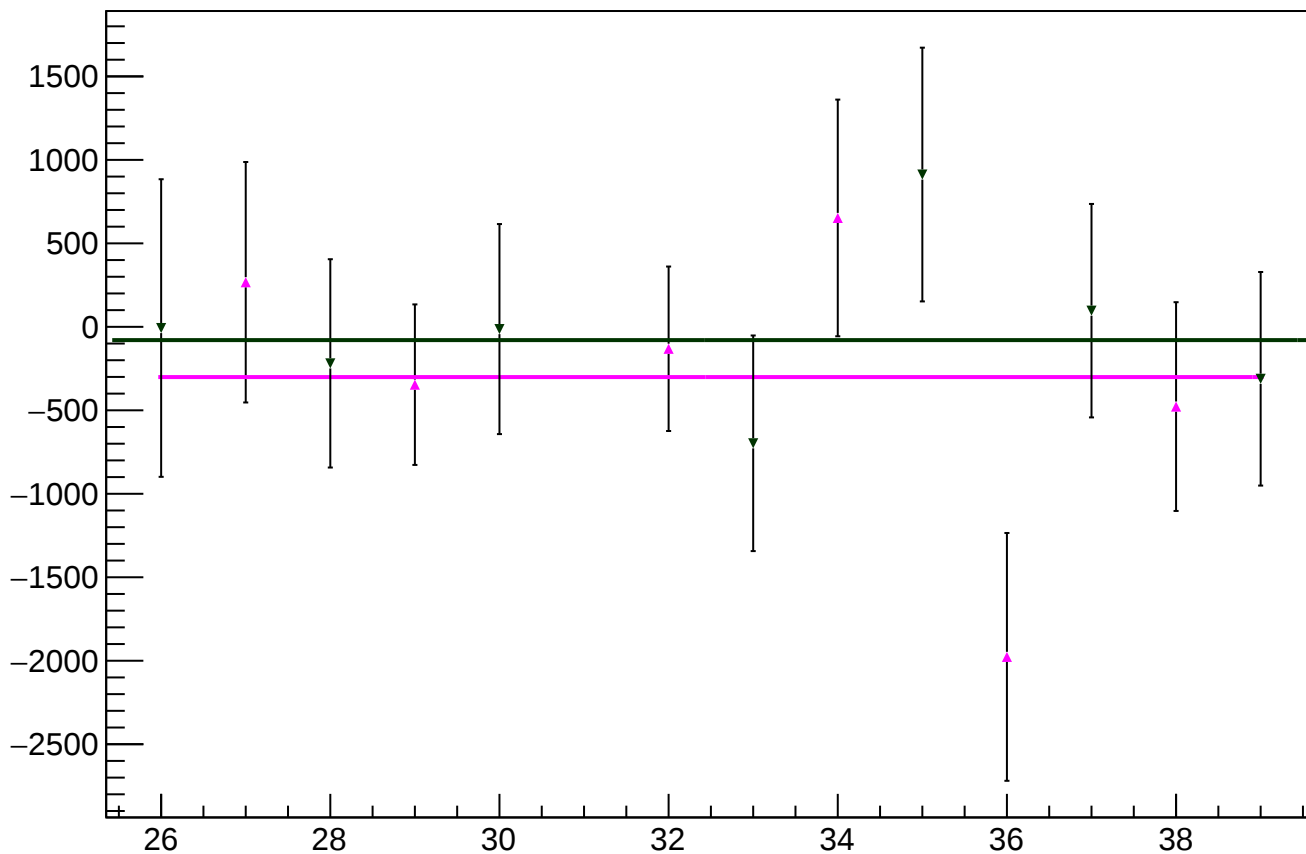
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 133.607+/-0.047  $\chi^2/\text{NDF}$ : 19622.4/5

132.045+/-0.048  $\chi^2/\text{NDF}$ : 943.5/6

133.607+/-0.047  $\chi^2/\text{NDF}$ : 19622.4/5

# asym\_right\_avg\_correction\_mean vs slug



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

Left Out: -79.496+/-255.024  $\chi^2/\text{NDF}$ : 2.9/6

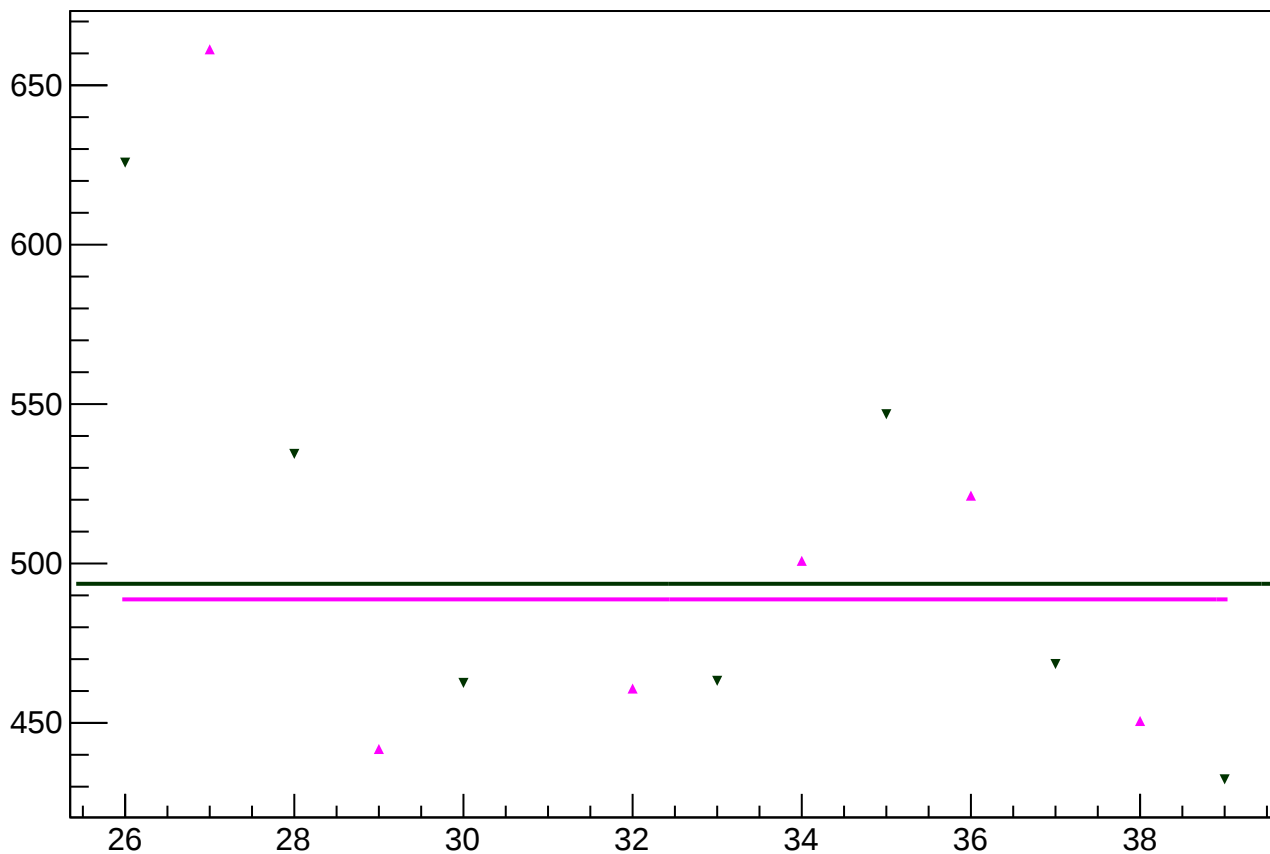
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -300.919+/-244.403  $\chi^2/\text{NDF}$ : 7.7/5

-79.496+/-255.024  $\chi^2/\text{NDF}$ : 2.9/6

-300.919+/-244.403  $\chi^2/\text{NDF}$ : 7.7/5

# asym\_right\_avg\_correction\_rms vs slug



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

Left Out: 493.634+/-0.180  $\chi^2/\text{NDF}$ :93072.3/6

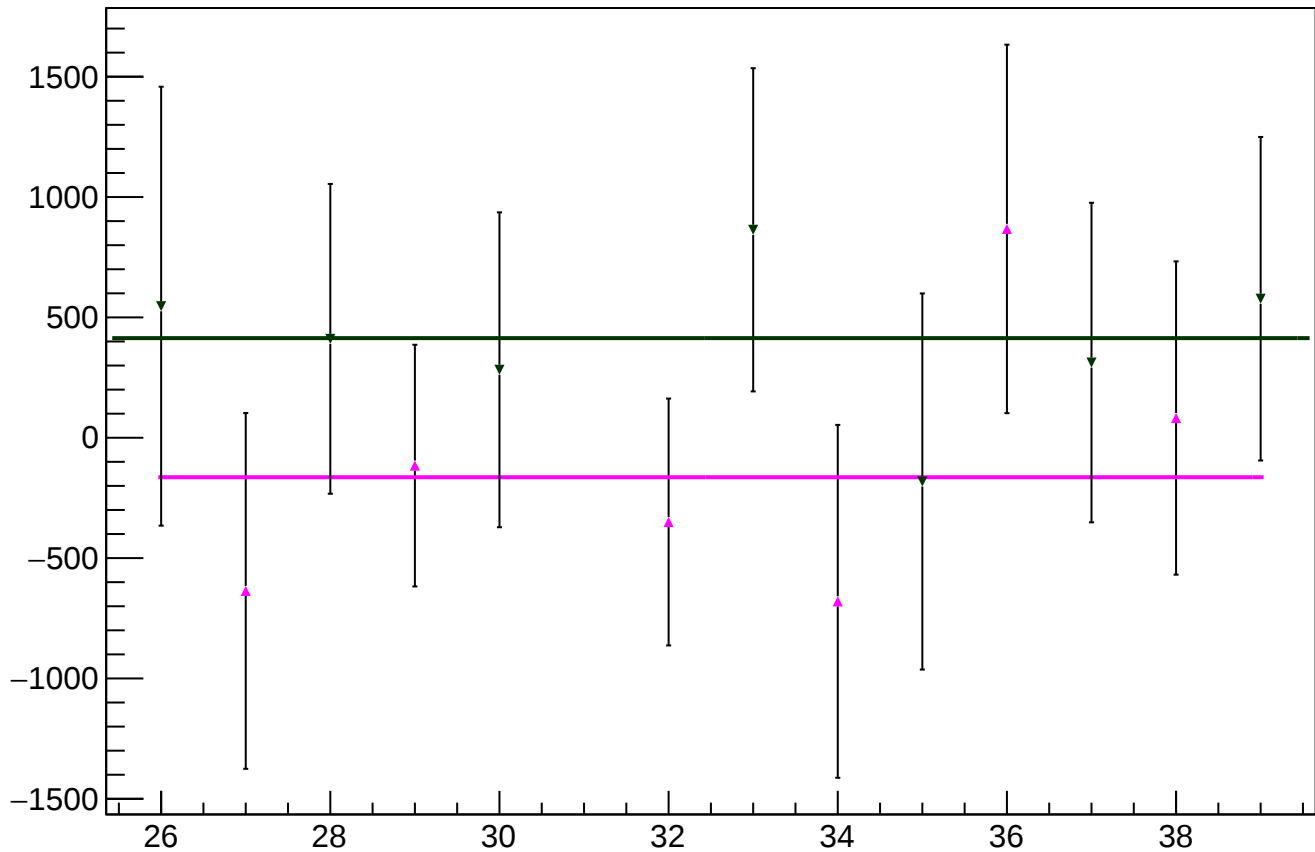
493.634+/-0.180  $\chi^2/\text{NDF}$ : 93072.3/6

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

Left In: 488.744+/-0.173  $\chi^2/\text{NDF}$ :152152.7/5

488.744+/-0.173  $\chi^2/\text{NDF}$ : 152152.7/5

# asym\_right\_avg\_mean vs slug



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

Left Out: 413.861+/-264.492  $\chi^2/\text{NDF}$ : 1.2/6

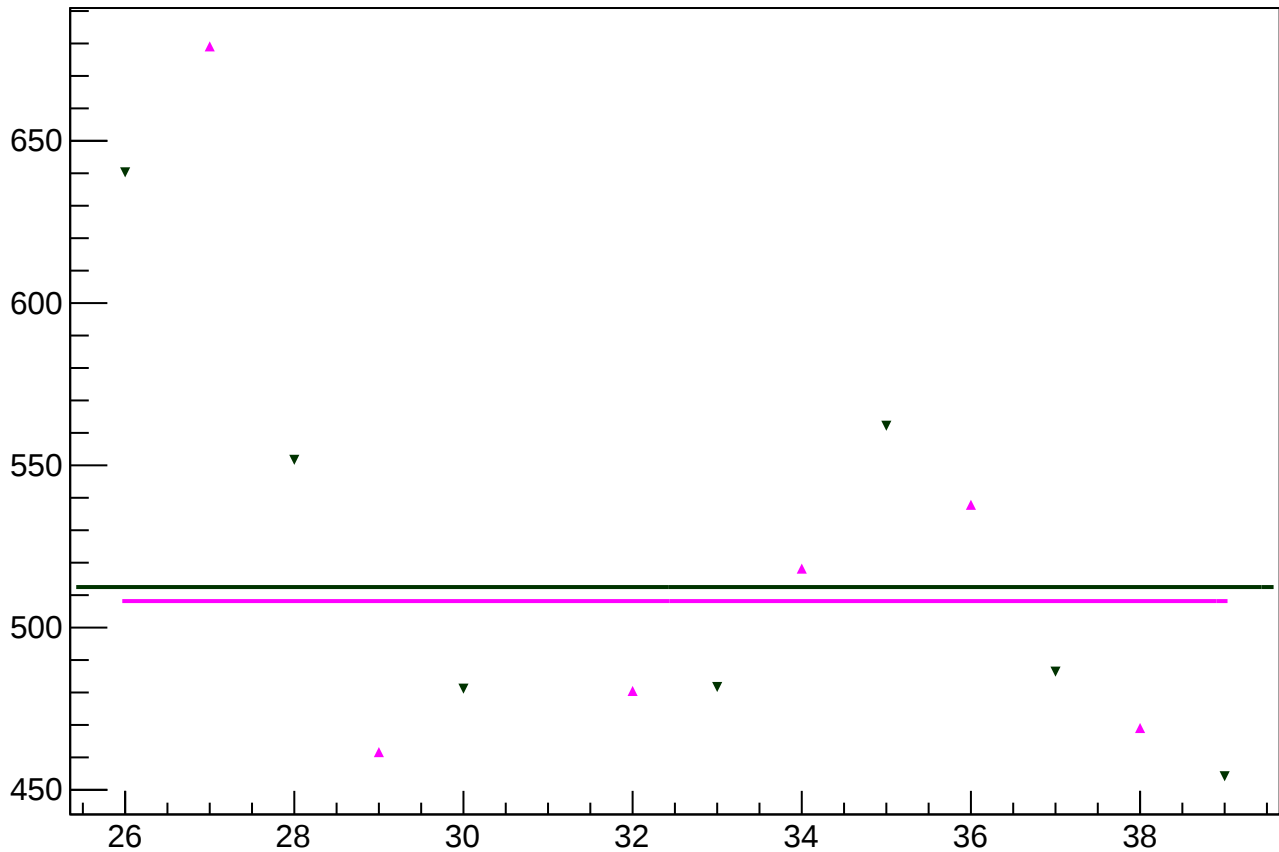
413.861+/-264.492  $\chi^2/\text{NDF}$ : 1.2/6

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

-163.937+/-253.759  $\chi^2/\text{NDF}$ : 3.0/5

Left In: -163.937+/-253.759  $\chi^2/\text{NDF}$ : 3.0/5

# asym\_right\_avg\_rms vs slug



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

Left Out: 512.494+/-0.187  $\chi^2/\text{NDF}$ : 81734.6/6

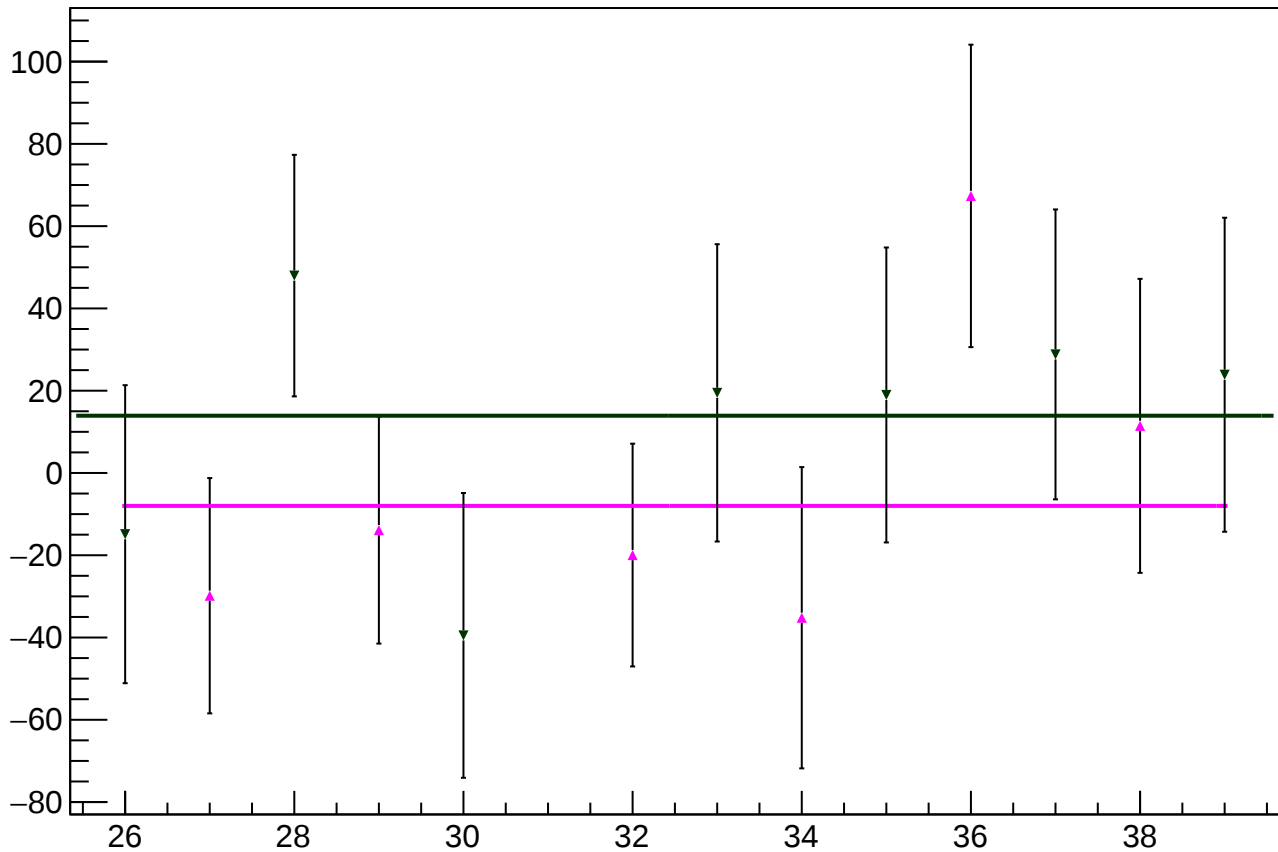
512.494+/-0.187  $\chi^2/\text{NDF}$ : 81734.6/6

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

Left In: 508.169+/-0.179  $\chi^2/\text{NDF}$ : 140633.5/5

508.169+/-0.179  $\chi^2/\text{NDF}$ : 140633.5/5

# reg\_asym\_right\_dd\_mean vs slug



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

Left Out: 13.920+/-13.139  $\chi^2/\text{NDF}$ : 4.6/6

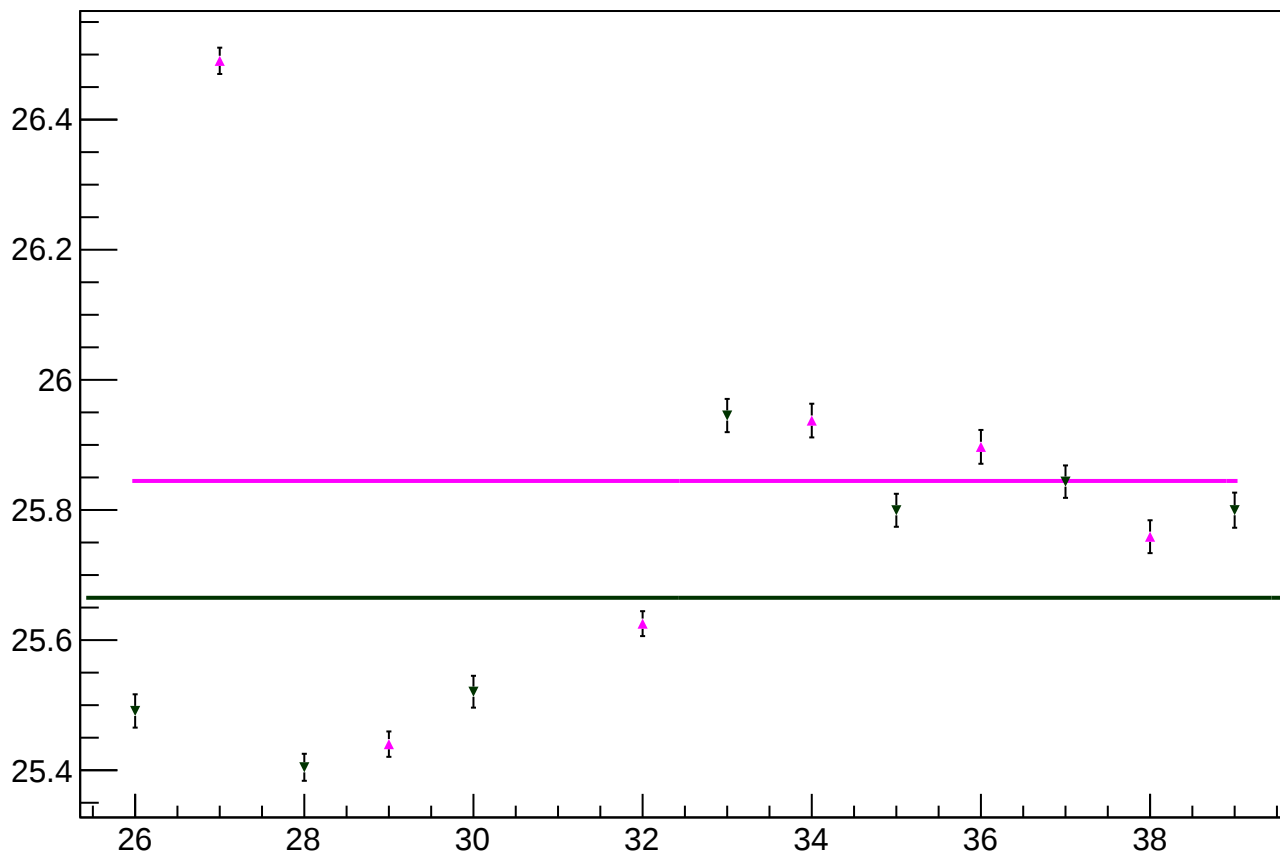
13.920+/-13.139  $\chi^2/\text{NDF}$ : 4.6/6

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

Left In: -8.002+/-12.733  $\chi^2/\text{NDF}$ : 5.9/5

-8.002+/-12.733  $\chi^2/\text{NDF}$ : 5.9/5

# reg\_asym\_right\_dd\_rms vs slug



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

Left Out: 25.665+/-0.009  $\chi^2/\text{NDF}$ : 462.9/6

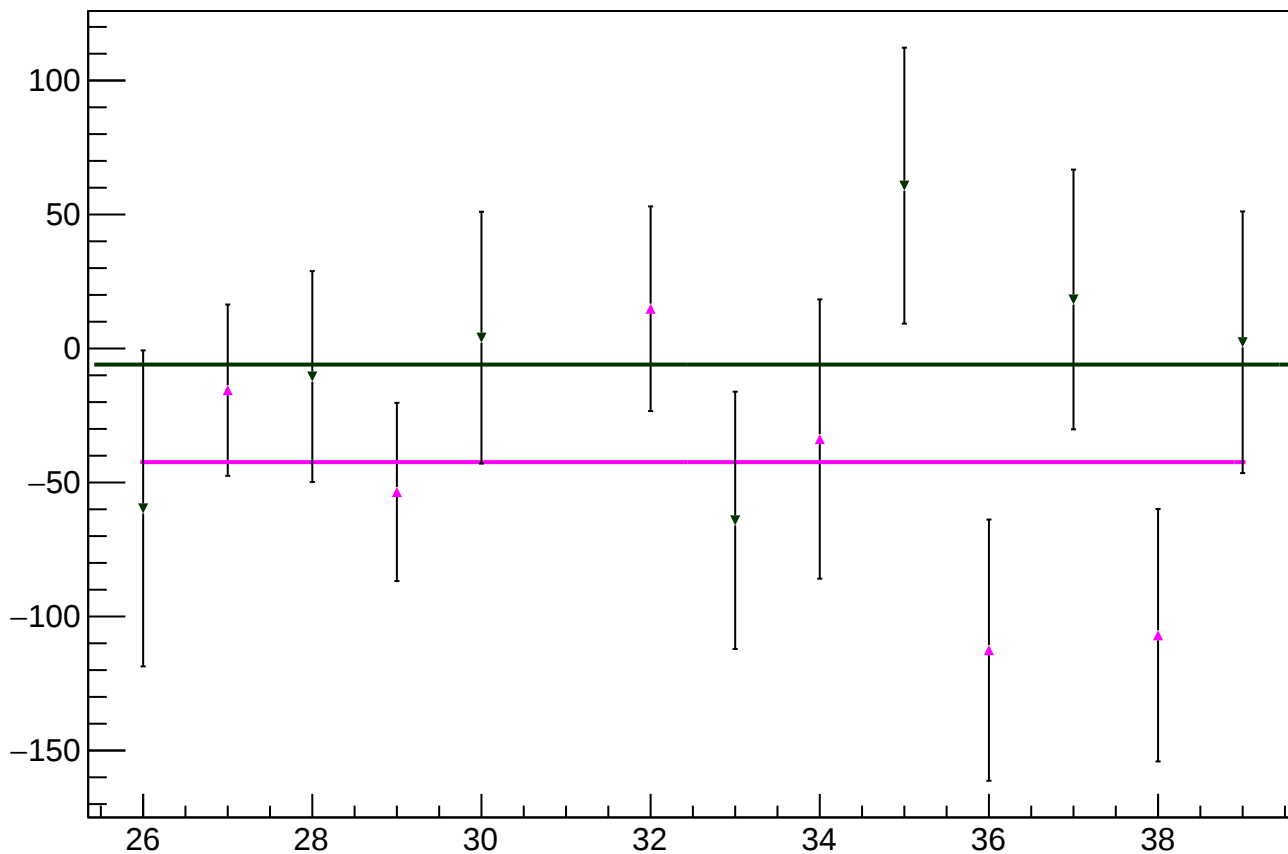
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 25.845+/-0.009  $\chi^2/\text{NDF}$ : 1608.8/5

25.665+/-0.009  $\chi^2/\text{NDF}$ : 462.9/6

25.845+/-0.009  $\chi^2/\text{NDF}$ : 1608.8/5

# asym\_right\_dd\_correction\_mean vs slug



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

Left Out: -5.988+/-18.127  $\chi^2/\text{NDF}$ : 4.3/6

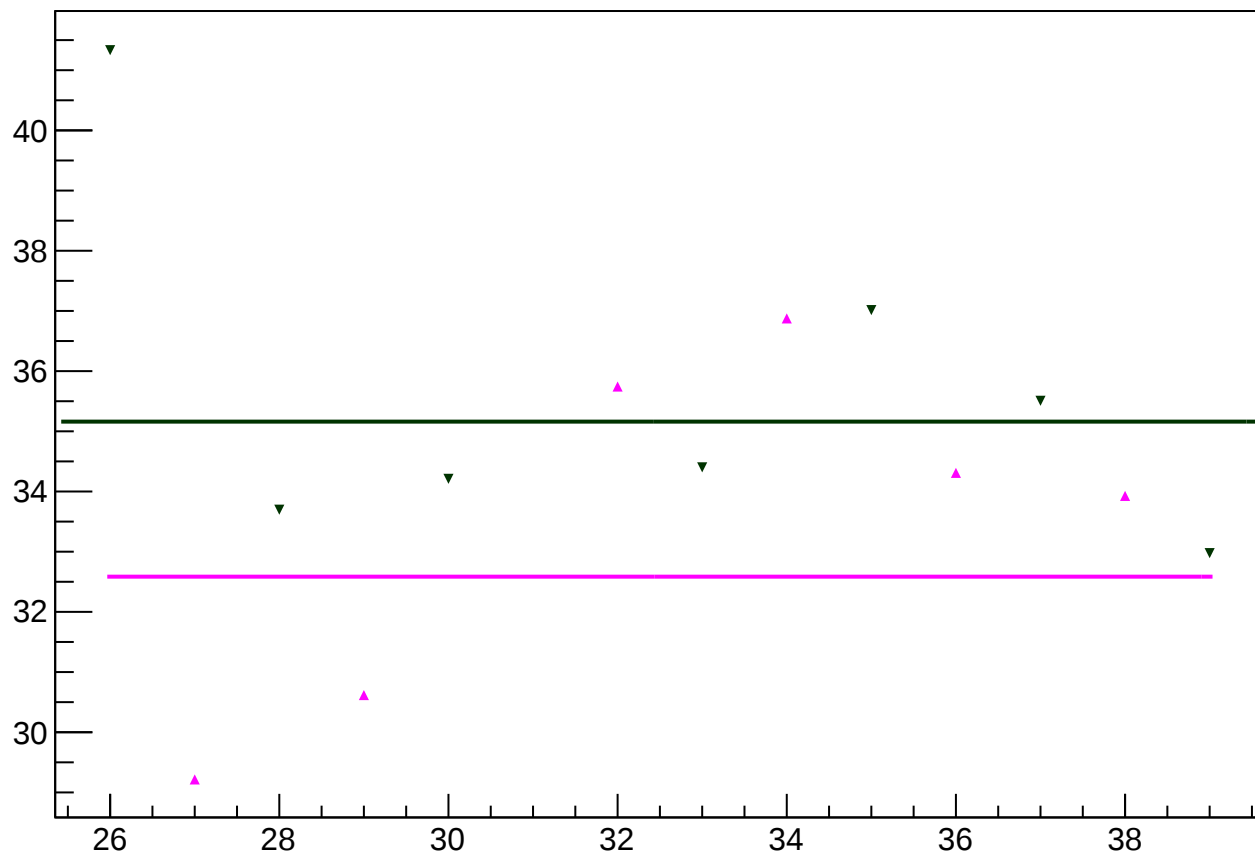
-5.988+/-18.127  $\chi^2/\text{NDF}$ : 4.3/6

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

-42.398+/-16.202  $\chi^2/\text{NDF}$ : 7.0/5

Left In: -42.398+/-16.202  $\chi^2/\text{NDF}$ : 7.0/5

# asym\_right\_dd\_correction\_rms vs slug



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

Left Out: 35.161+/-0.013  $\chi^2/\text{NDF}$ : 32705.4/6

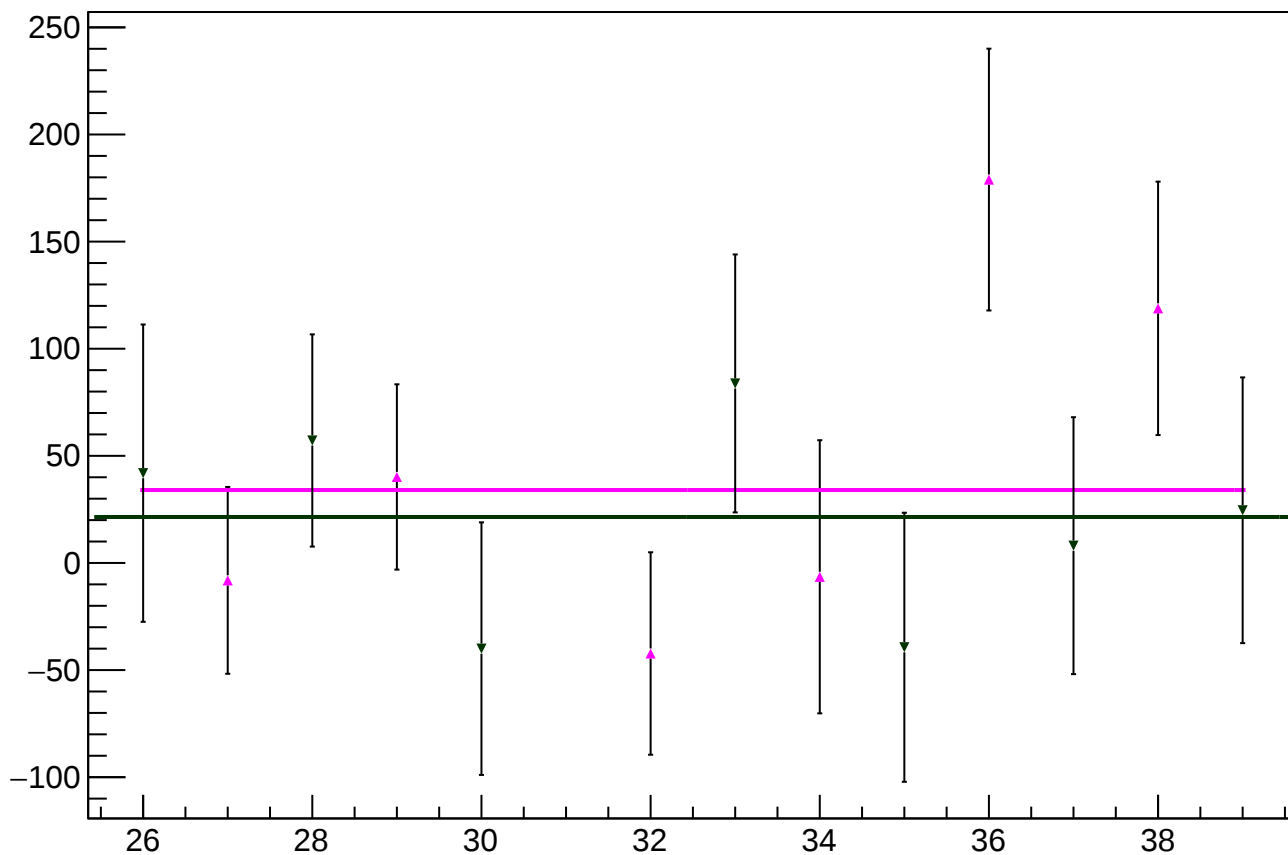
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 32.585+/-0.011  $\chi^2/\text{NDF}$ : 60602.6/5

35.161+/-0.013  $\chi^2/\text{NDF}$ : 32705.4/6

32.585+/-0.011  $\chi^2/\text{NDF}$ : 60602.6/5

# asym\_right\_dd\_mean vs slug



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

Left Out: 21.455+/-22.527  $\chi^2/\text{NDF}$ : 3.8/6

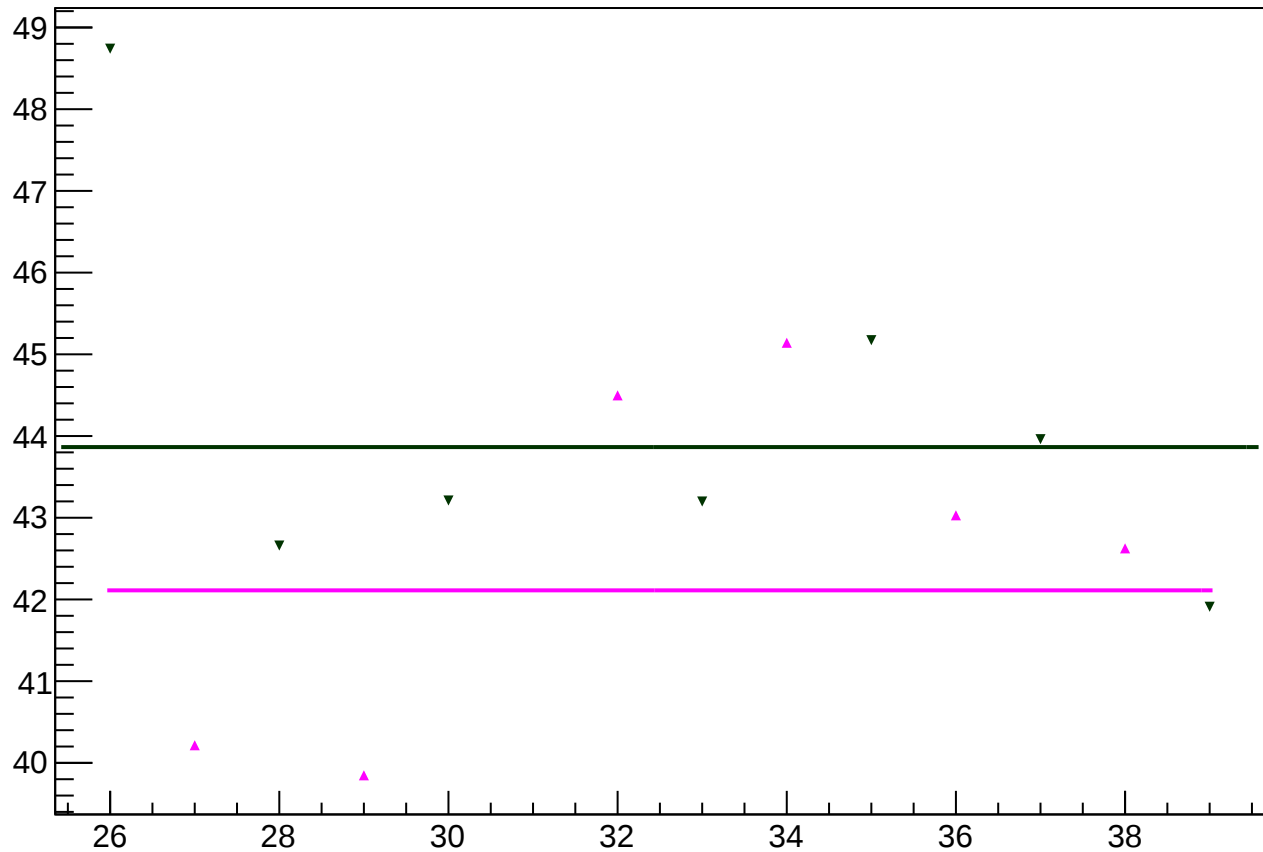
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 34.039+/-20.815  $\chi^2/\text{NDF}$ : 11.6/5

21.455+/-22.527  $\chi^2/\text{NDF}$ : 3.8/6

34.039+/-20.815  $\chi^2/\text{NDF}$ : 11.6/5

# asym\_right\_dd\_rms vs slug



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

Left Out: 43.865+/-0.016  $\chi^2/\text{NDF}$ :14407.7/6

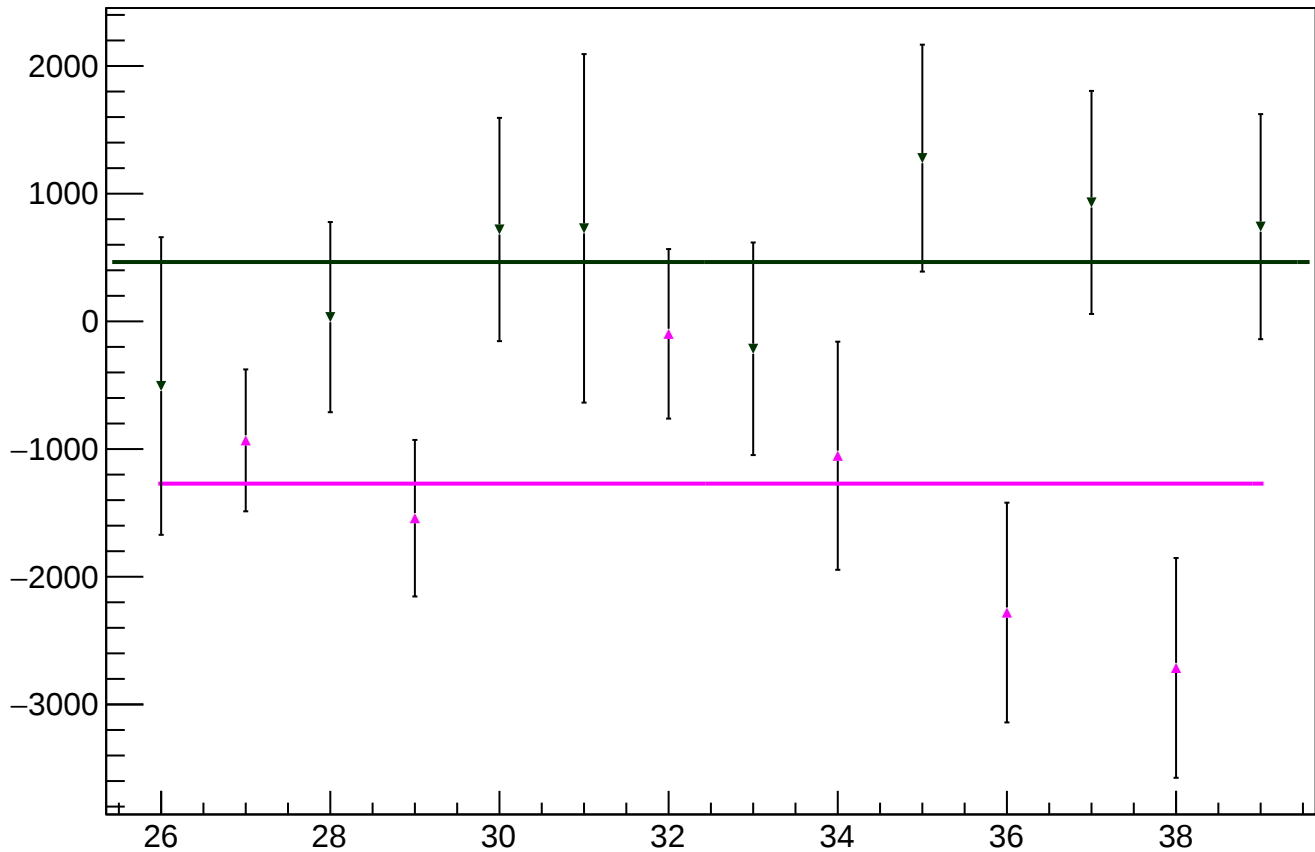
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 42.111+/-0.015  $\chi^2/\text{NDF}$ :19480.3/5

43.865+/-0.016  $\chi^2/\text{NDF}$ : 14407.7/6

42.111+/-0.015  $\chi^2/\text{NDF}$ : 19480.3/5

# cor\_usl\_mean vs slug



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

Left Out: 464.759+/-321.198  $\chi^2/\text{NDF}$ : 3.0/7

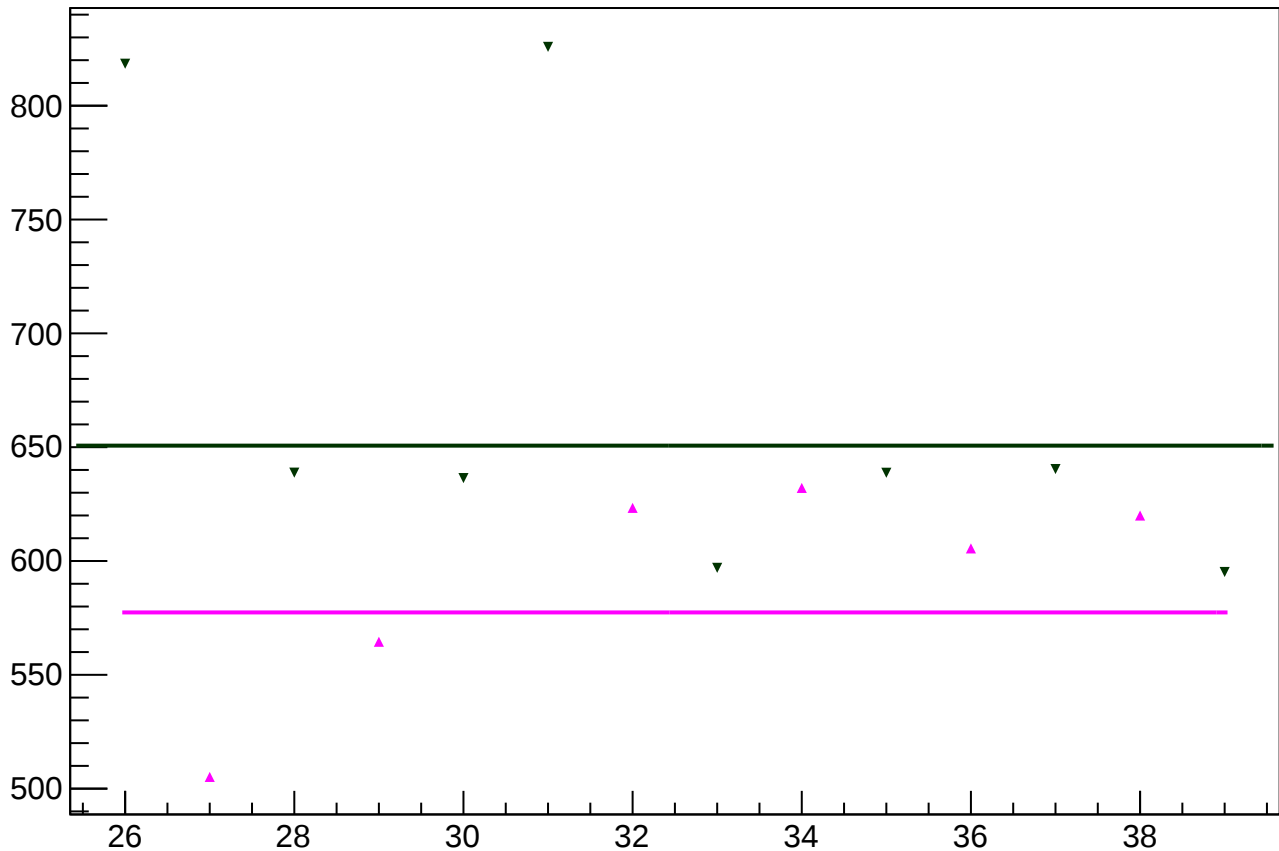
464.759+/-321.198  $\chi^2/\text{NDF}$ : 3.0/7

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

-1270.791+/-287.207  $\chi^2/\text{NDF}$ : 7.9/5

Left In: -1270.791+/-287.207  $\chi^2/\text{NDF}$ : 7.9/5

# cor\_usl\_rms vs slug



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

Left Out: 650.678+/-0.227  $\chi^2/\text{NDF}$ : 92315.4/7

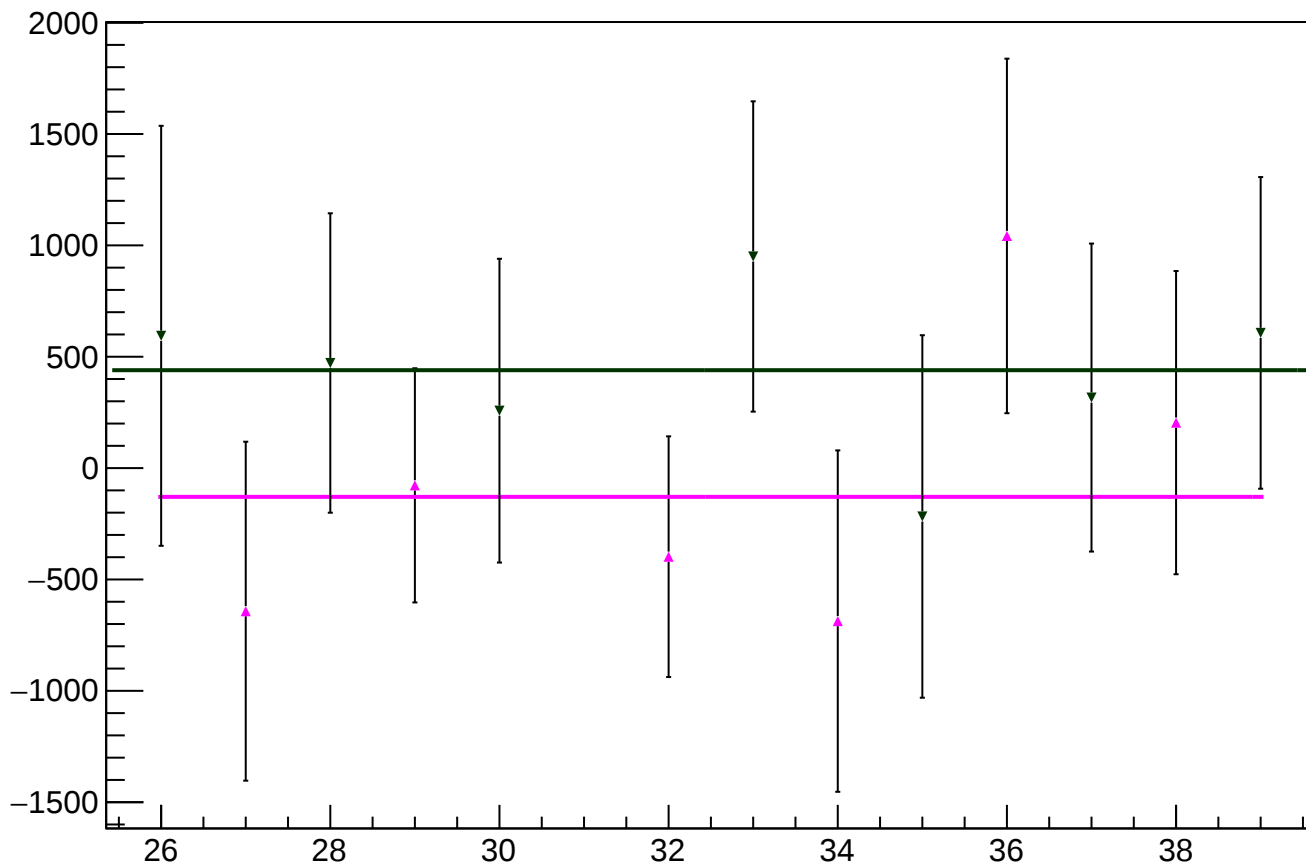
650.678+/-0.227  $\chi^2/\text{NDF}$ : 92315.4/7

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

577.409+/-0.203  $\chi^2/\text{NDF}$ : 58792.1/5

Left In: 577.409+/-0.203  $\chi^2/\text{NDF}$ : 58792.1/5

# cor\_usr\_mean vs slug



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

Left Out: 439.576+/-275.289  $\chi^2/\text{NDF}$ : 1.4/6

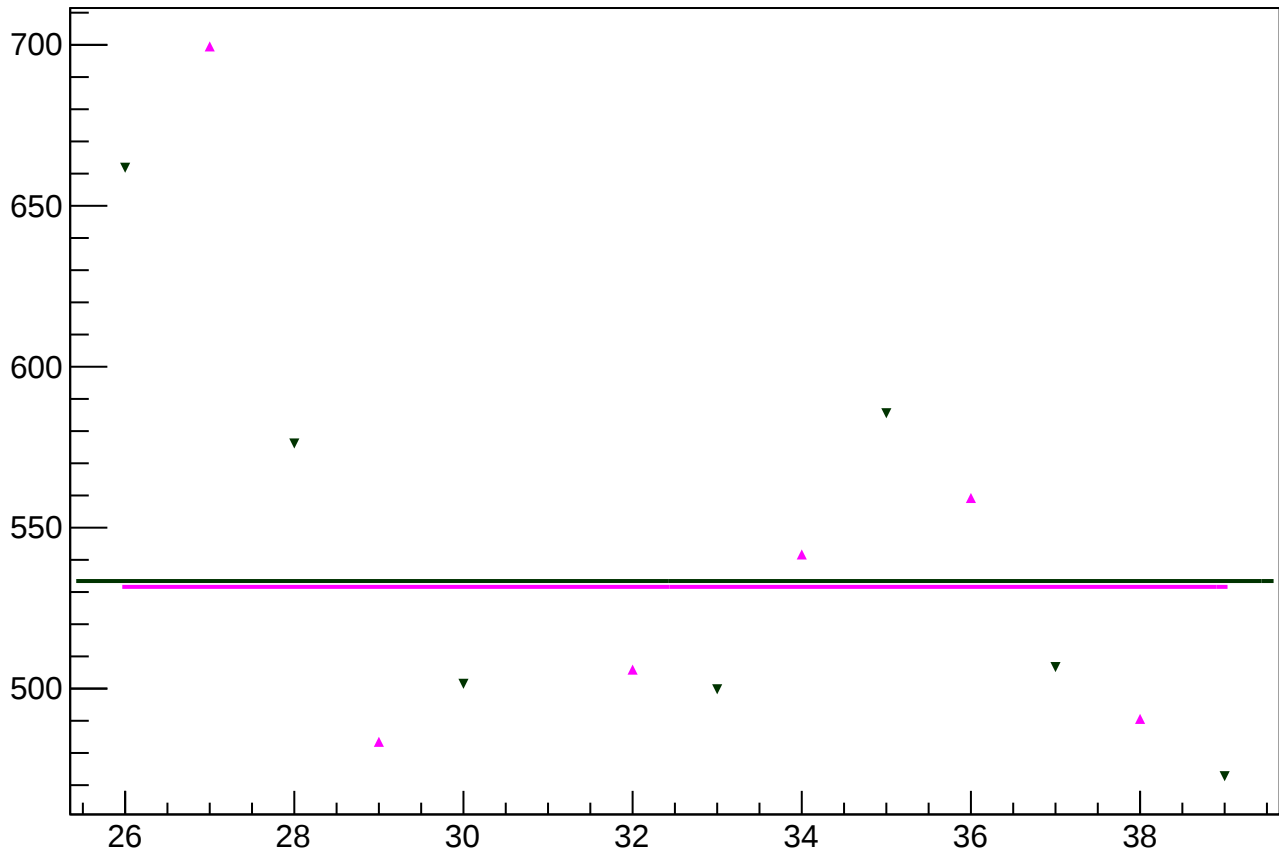
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -129.114+/-265.274  $\chi^2/\text{NDF}$ : 3.6/5

439.576+/-275.289  $\chi^2/\text{NDF}$ : 1.4/6

-129.114+/-265.274  $\chi^2/\text{NDF}$ : 3.6/5

# cor\_usr\_rms vs slug



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

Left Out: 533.418+/-0.195  $\chi^2/\text{NDF}$ : 80459.5/6

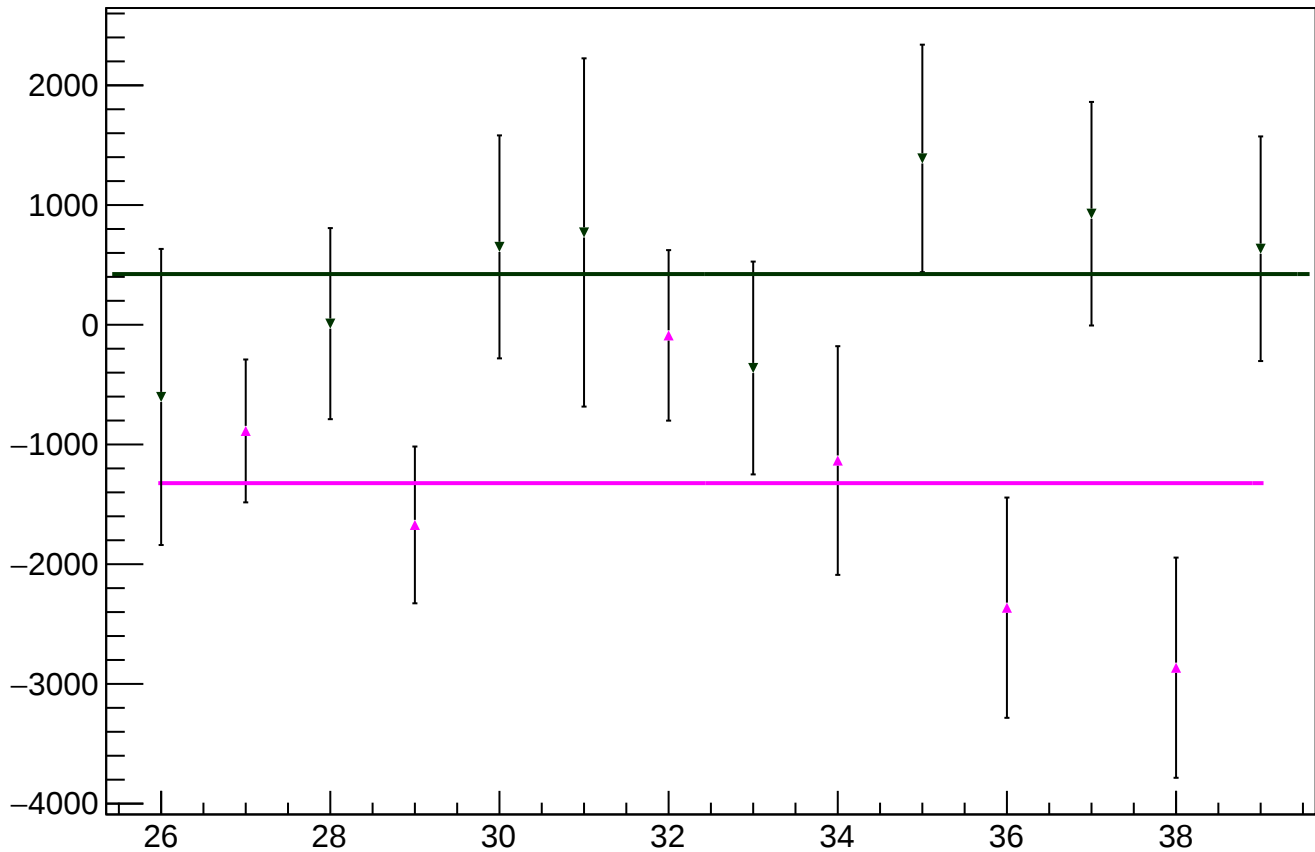
533.418+/-0.195  $\chi^2/\text{NDF}$ : 80459.5/6

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

531.607+/-0.188  $\chi^2/\text{NDF}$ : 128717.8/5

Left In: 531.607+/-0.188  $\chi^2/\text{NDF}$ : 128717.8/5

# cor\_dsl\_mean vs slug



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

Left Out: 423.503+/-342.879  $\chi^2/\text{NDF}$ : 3.2/7

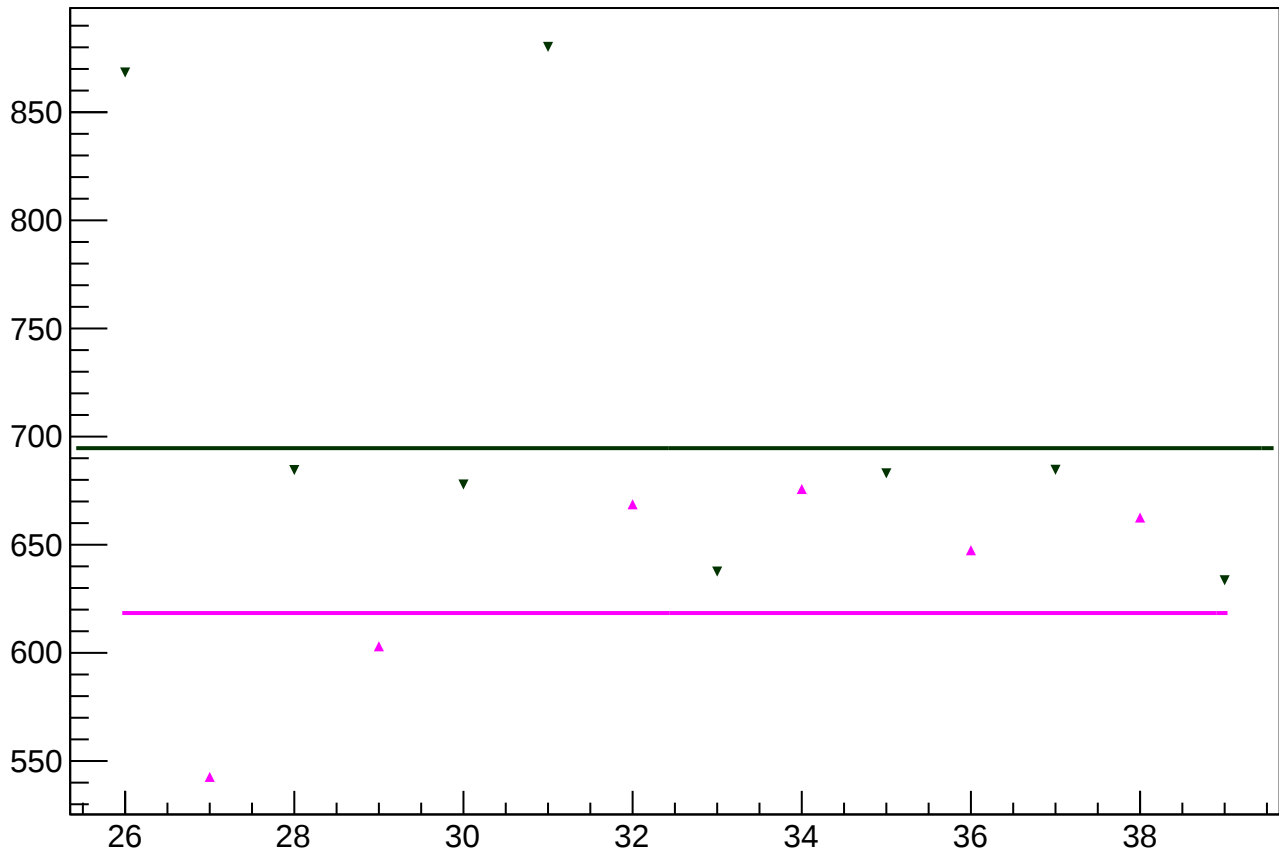
423.503+/-342.879  $\chi^2/\text{NDF}$ : 3.2/7

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

-1323.020+/-307.561  $\chi^2/\text{NDF}$ : 7.9/5

Left In: -1323.020+/-307.561  $\chi^2/\text{NDF}$ : 7.9/5

# cor\_dsl\_rms vs slug



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

Left Out: 694.659+/-0.242  $\chi^2/\text{NDF}$ : 90230.8/7

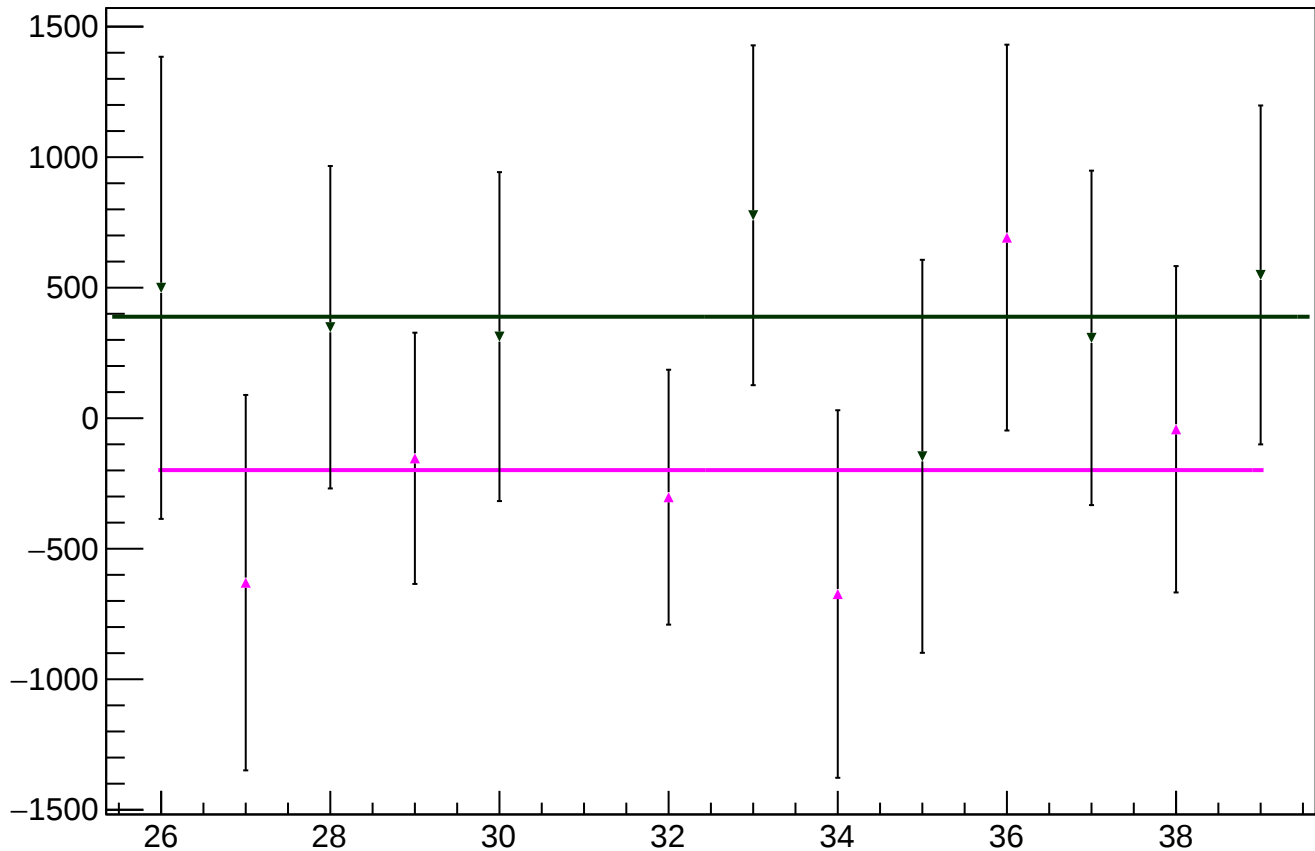
694.659+/-0.242  $\chi^2/\text{NDF}$ : 90230.8/7

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

618.419+/-0.217  $\chi^2/\text{NDF}$ : 57125.9/5

Left In: 618.419+/-0.217  $\chi^2/\text{NDF}$ : 57125.9/5

# cor\_dsr\_mean vs slug



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

Left Out: 388.733+/-255.216  $\chi^2/\text{NDF}$ : 1.0/6

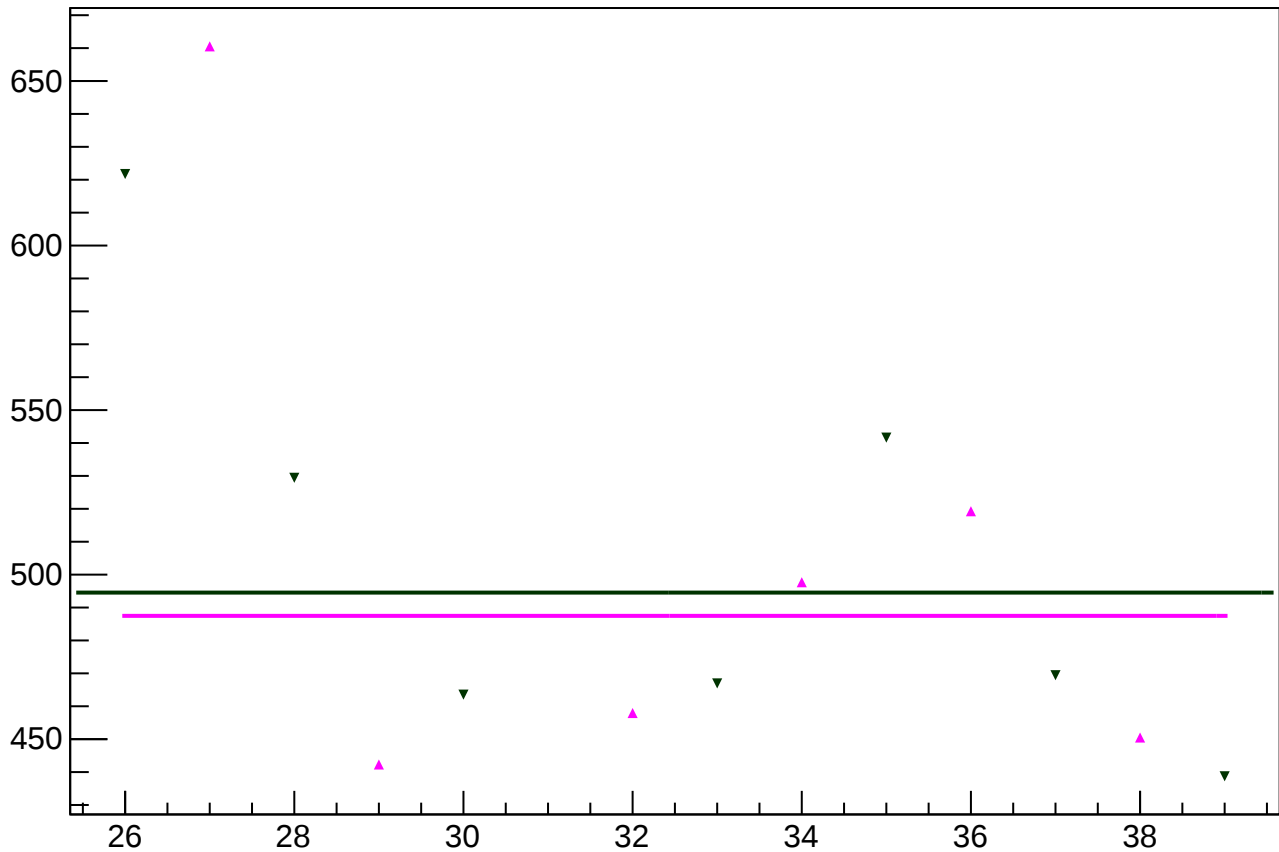
388.733+/-255.216  $\chi^2/\text{NDF}$ : 1.0/6

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

-198.831+/-243.572  $\chi^2/\text{NDF}$ : 2.4/5

Left In: -198.831+/-243.572  $\chi^2/\text{NDF}$ : 2.4/5

# cor\_dsr\_rms vs slug



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

Left Out: 494.544+/-0.180  $\chi^2/\text{NDF}$ : 81810.1/6

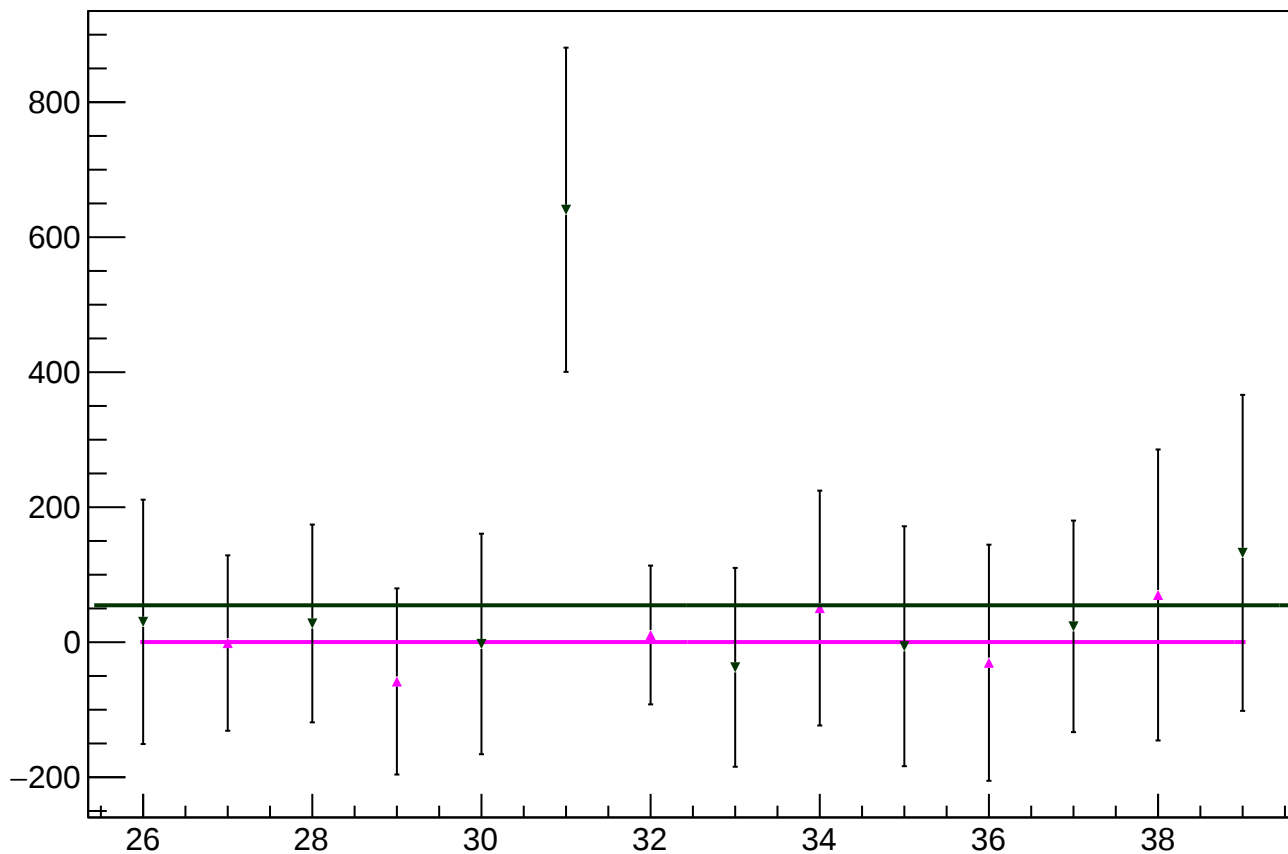
494.544+/-0.180  $\chi^2/\text{NDF}$ : 81810.1/6

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

487.474+/-0.172  $\chi^2/\text{NDF}$ : 151891.3/5

Left In: 487.474+/-0.172  $\chi^2/\text{NDF}$ : 151891.3/5

# asym\_bcm\_an\_ds\_mean vs slug



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

Left Out: 54.710+/-61.009  $\chi^2/\text{NDF}$ : 6.8/7

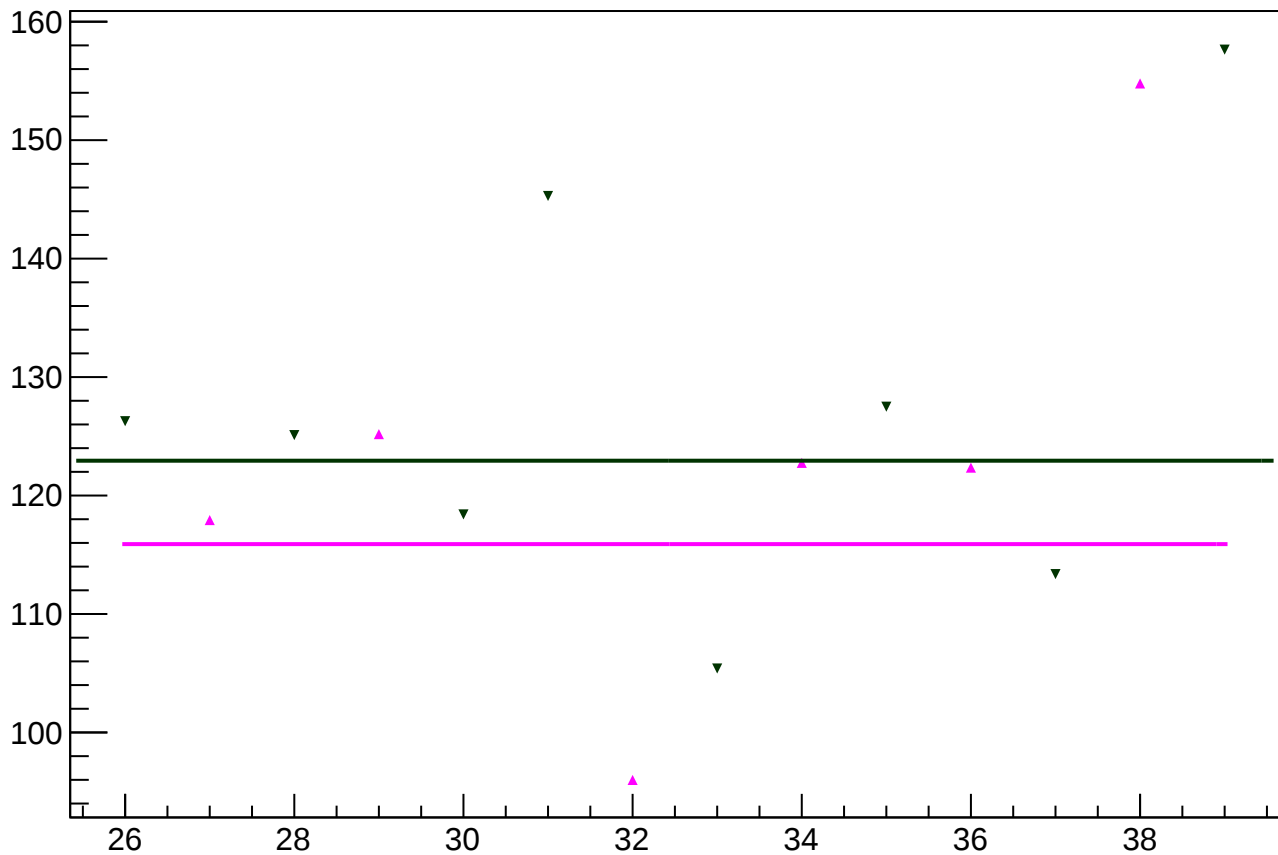
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.233+/-58.352  $\chi^2/\text{NDF}$ : 0.4/5

54.710+/-61.009  $\chi^2/\text{NDF}$ : 6.8/7

0.233+/-58.352  $\chi^2/\text{NDF}$ : 0.4/5

# asym\_bcm\_an\_ds\_rms vs slug



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

Left Out: 122.941+/-0.043  $\chi^2/\text{NDF}$ : 101064.8/7

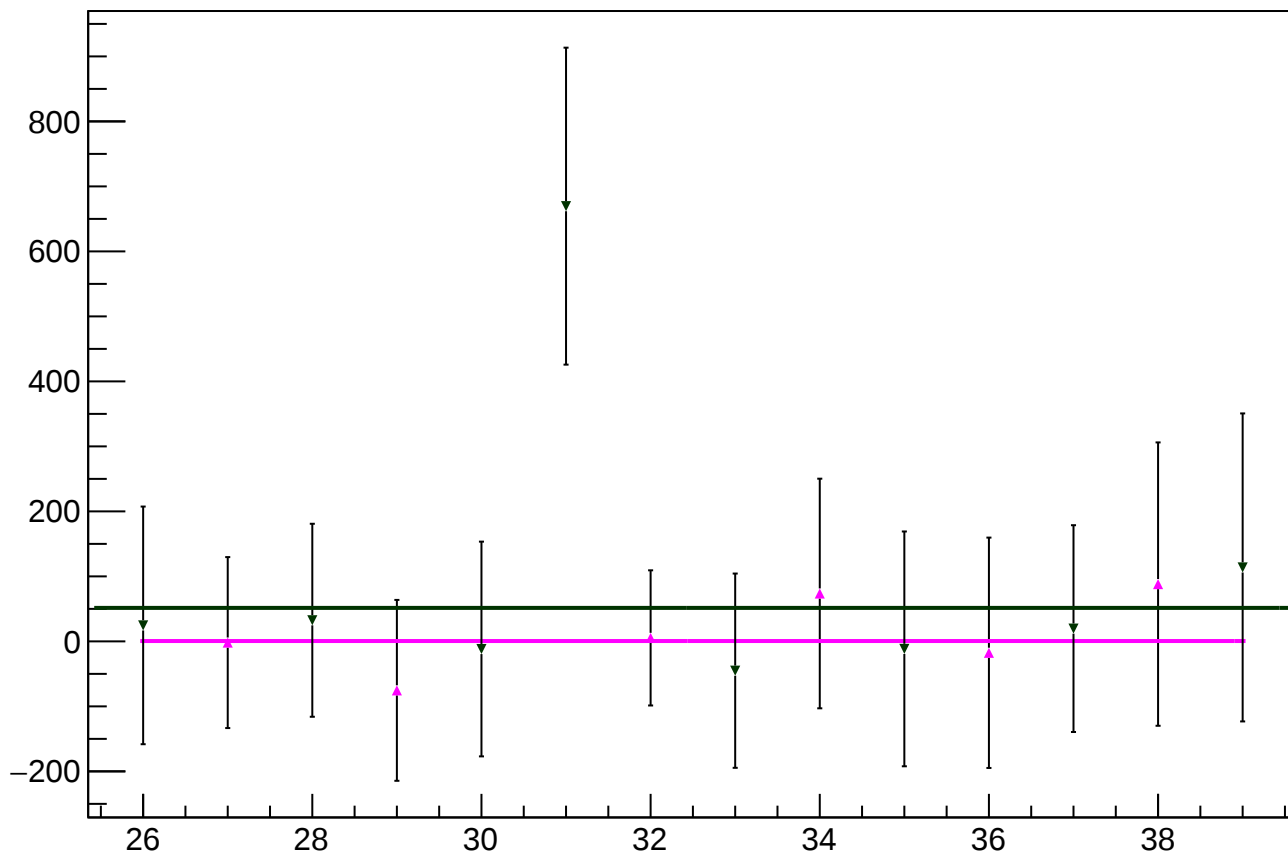
122.941+/-0.043  $\chi^2/\text{NDF}$ : 101064.8/7

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

Left In: 115.899+/-0.041  $\chi^2/\text{NDF}$ : 155466.4/5

115.899+/-0.041  $\chi^2/\text{NDF}$ : 155466.4/5

# asym\_bcm\_an\_ds3\_mean vs slug



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

Left Out: 51.512+/-61.840  $\chi^2/\text{NDF}$ : 7.3/7

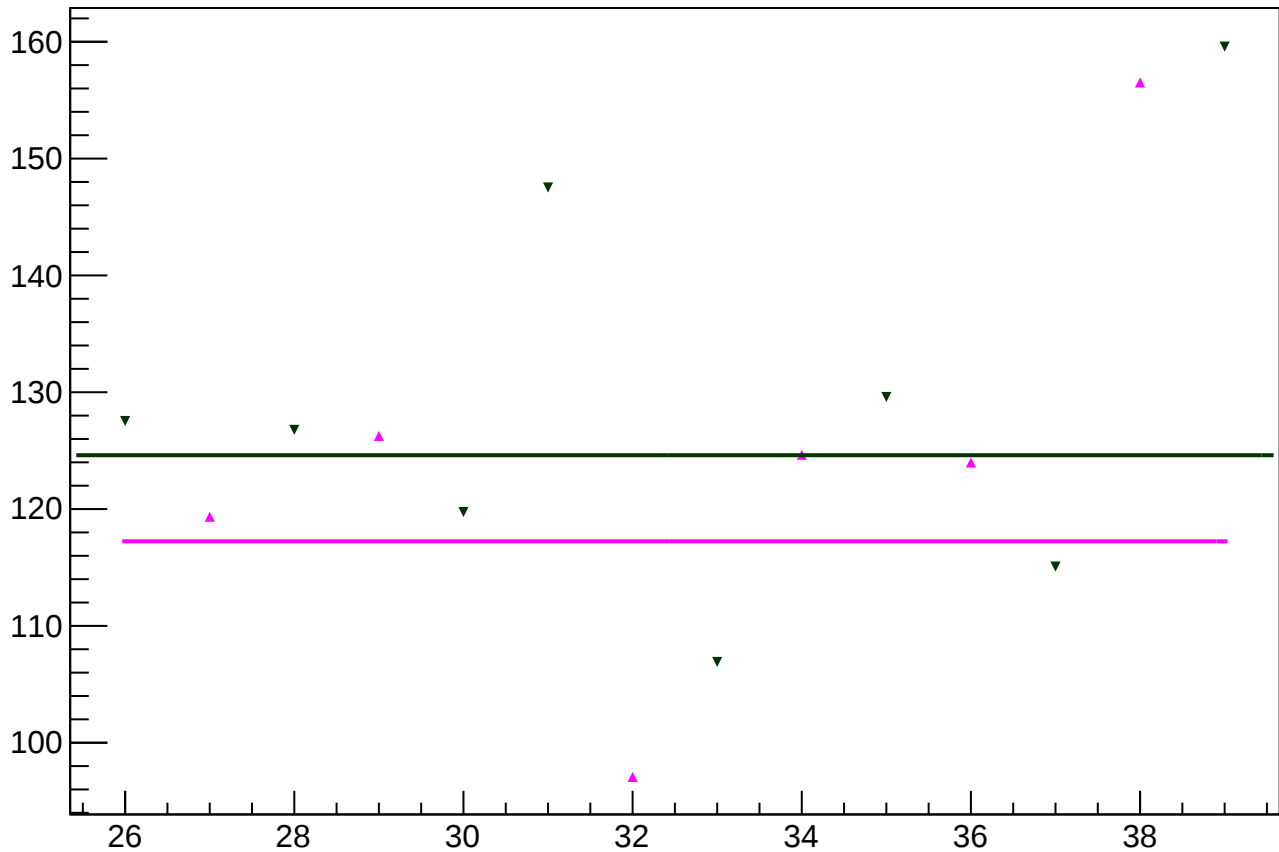
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.524+/-59.039  $\chi^2/\text{NDF}$ : 0.6/5

51.512+/-61.840  $\chi^2/\text{NDF}$ : 7.3/7

0.524+/-59.039  $\chi^2/\text{NDF}$ : 0.6/5

# asym\_bcm\_an\_ds3\_rms vs slug



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

Left Out: 124.610+/-0.044  $\chi^2/\text{NDF}$ :100650.1/7

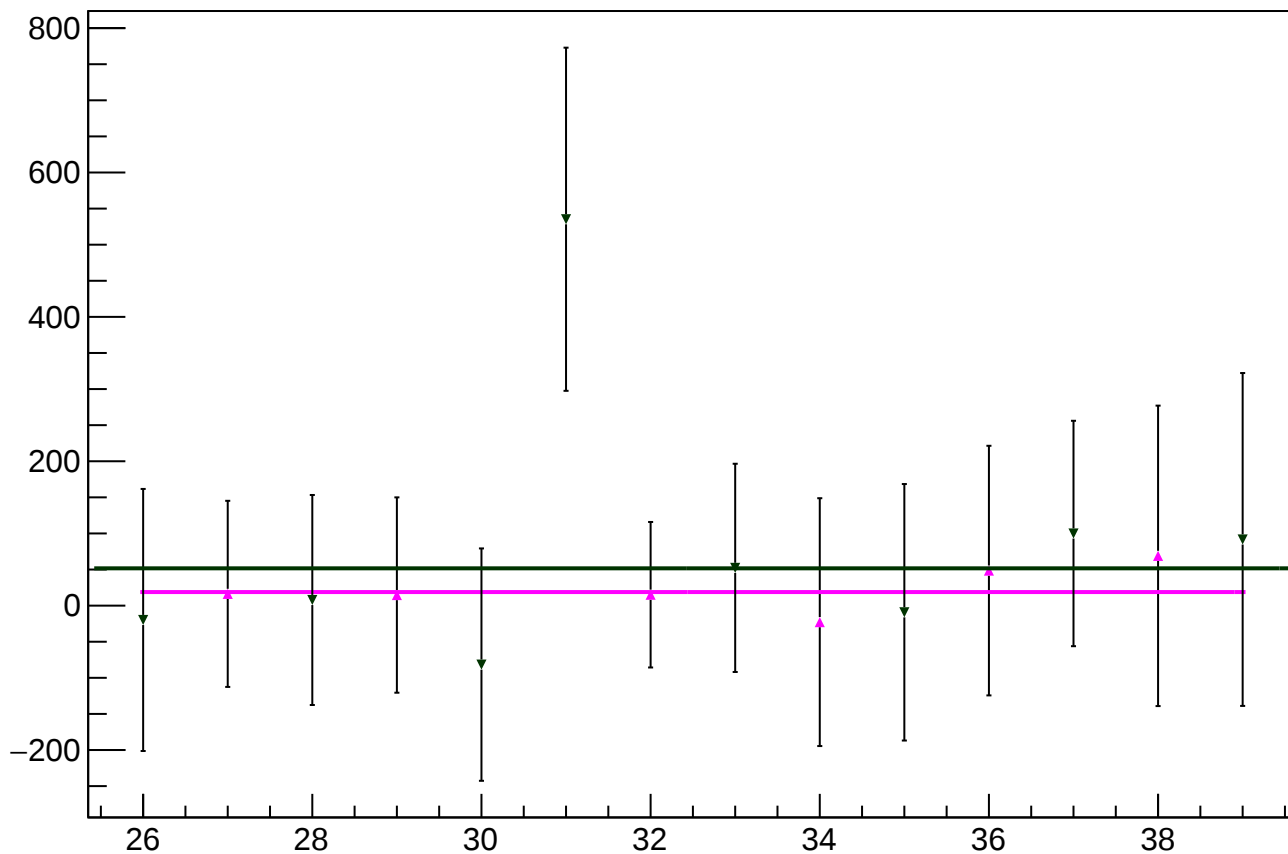
124.610+/-0.044  $\chi^2/\text{NDF}$ : 100650.1/7

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

117.242+/-0.042  $\chi^2/\text{NDF}$ : 155501.1/5

Left In: 117.242+/-0.042  $\chi^2/\text{NDF}$ :155501.1/5

# asym\_bcm\_an\_us\_mean vs slug



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

Left Out: 51.678+/-60.466  $\chi^2/\text{NDF}$ : 5.3/7

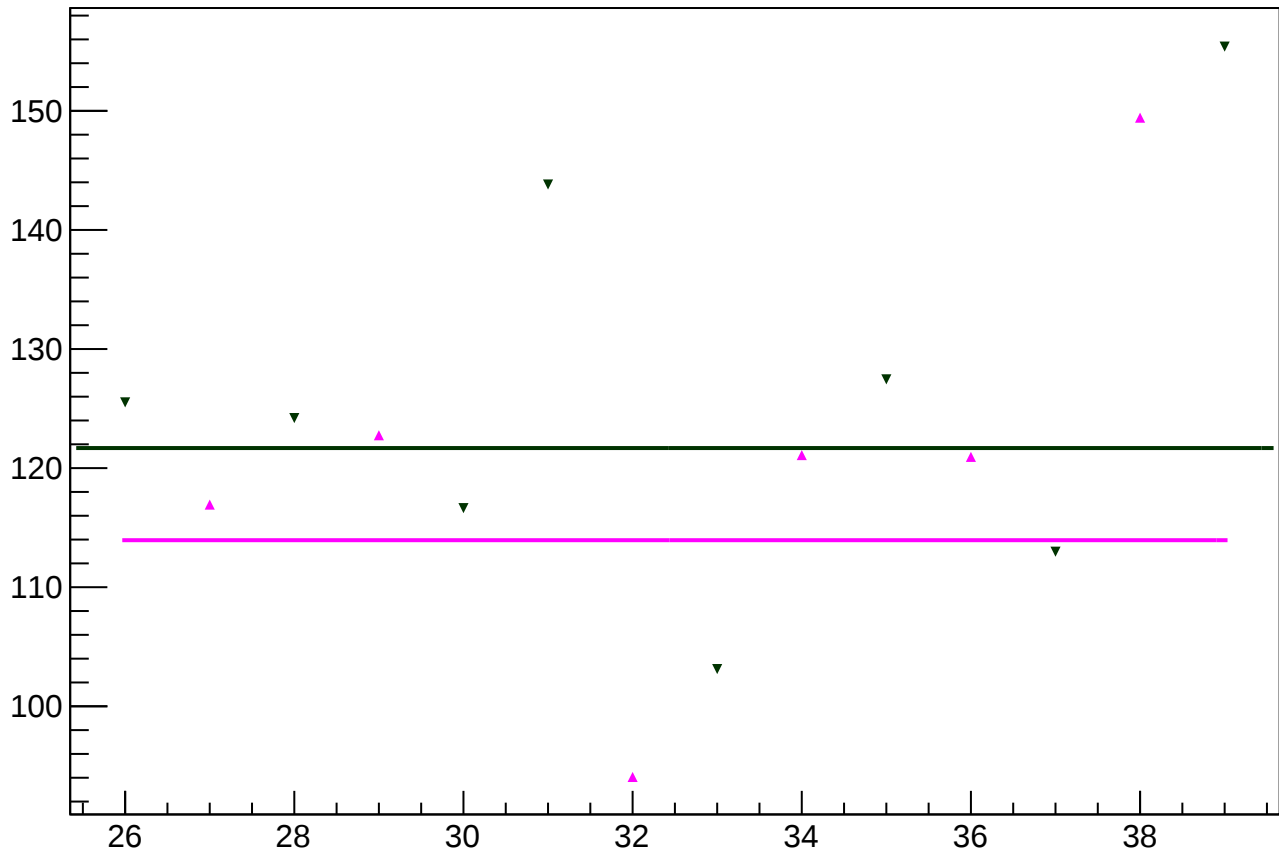
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 18.800+/-57.378  $\chi^2/\text{NDF}$ : 0.1/5

51.678+/-60.466  $\chi^2/\text{NDF}$ : 5.3/7

18.800+/-57.378  $\chi^2/\text{NDF}$ : 0.1/5

# asym\_bcm\_an\_us\_rms vs slug



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

Left Out: 121.685+/-0.043  $\chi^2/\text{NDF}$ : 104995.4/7

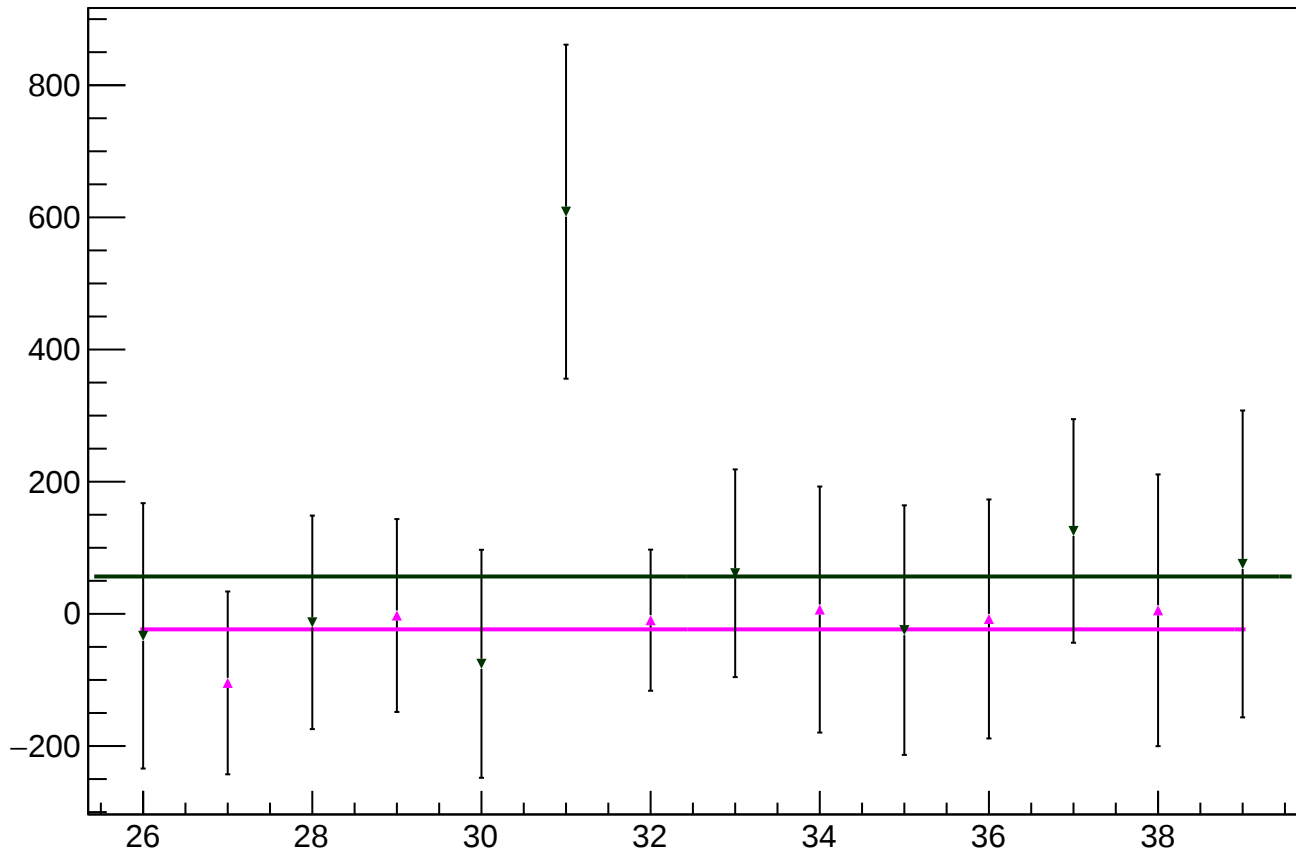
121.685+/-0.043  $\chi^2/\text{NDF}$ : 104995.4/7

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

113.947+/-0.041  $\chi^2/\text{NDF}$ : 152276.7/5

Left In: 113.947+/-0.041  $\chi^2/\text{NDF}$ : 152276.7/5

# asym\_bcm\_dg\_us\_mean vs slug



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

Left Out: 56.555+/-65.320  $\chi^2/\text{NDF}$ : 6.1/7

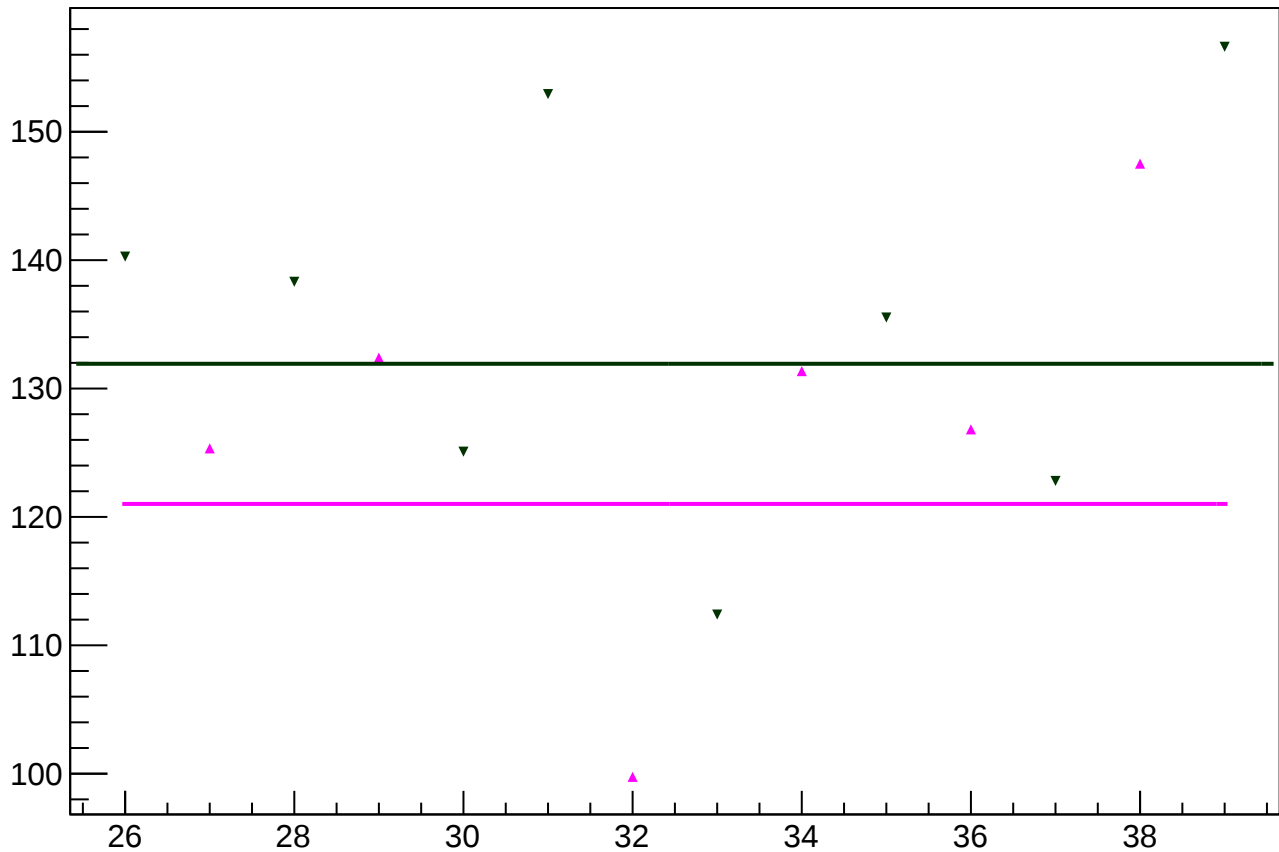
56.555+/-65.320  $\chi^2/\text{NDF}$ : 6.1/7

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

Left In: -23.473+/-60.861  $\chi^2/\text{NDF}$ : 0.4/5

-23.473+/-60.861  $\chi^2/\text{NDF}$ : 0.4/5

# asym\_bcm\_dg\_us\_rms vs slug



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

Left Out: 131.928+/-0.046  $\chi^2/\text{NDF}$ : 83606.0/7

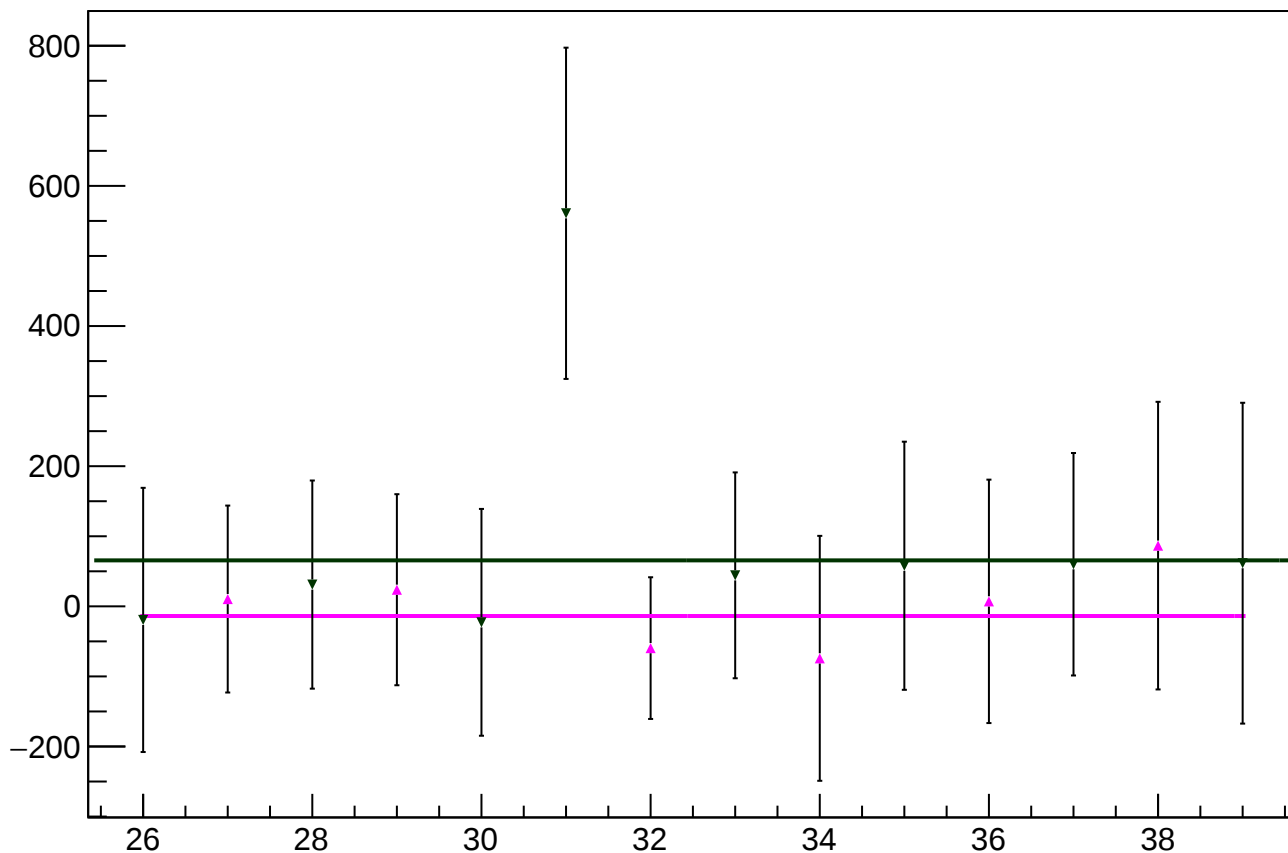
131.928+/-0.046  $\chi^2/\text{NDF}$ : 83606.0/7

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

121.012+/-0.043  $\chi^2/\text{NDF}$ : 134863.0/5

Left In: 121.012+/-0.043  $\chi^2/\text{NDF}$ : 134863.0/5

# asym\_bcm\_dg\_ds\_mean vs slug



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

Left Out: 65.598+/-61.246  $\chi^2/\text{NDF}$ : 5.0/7

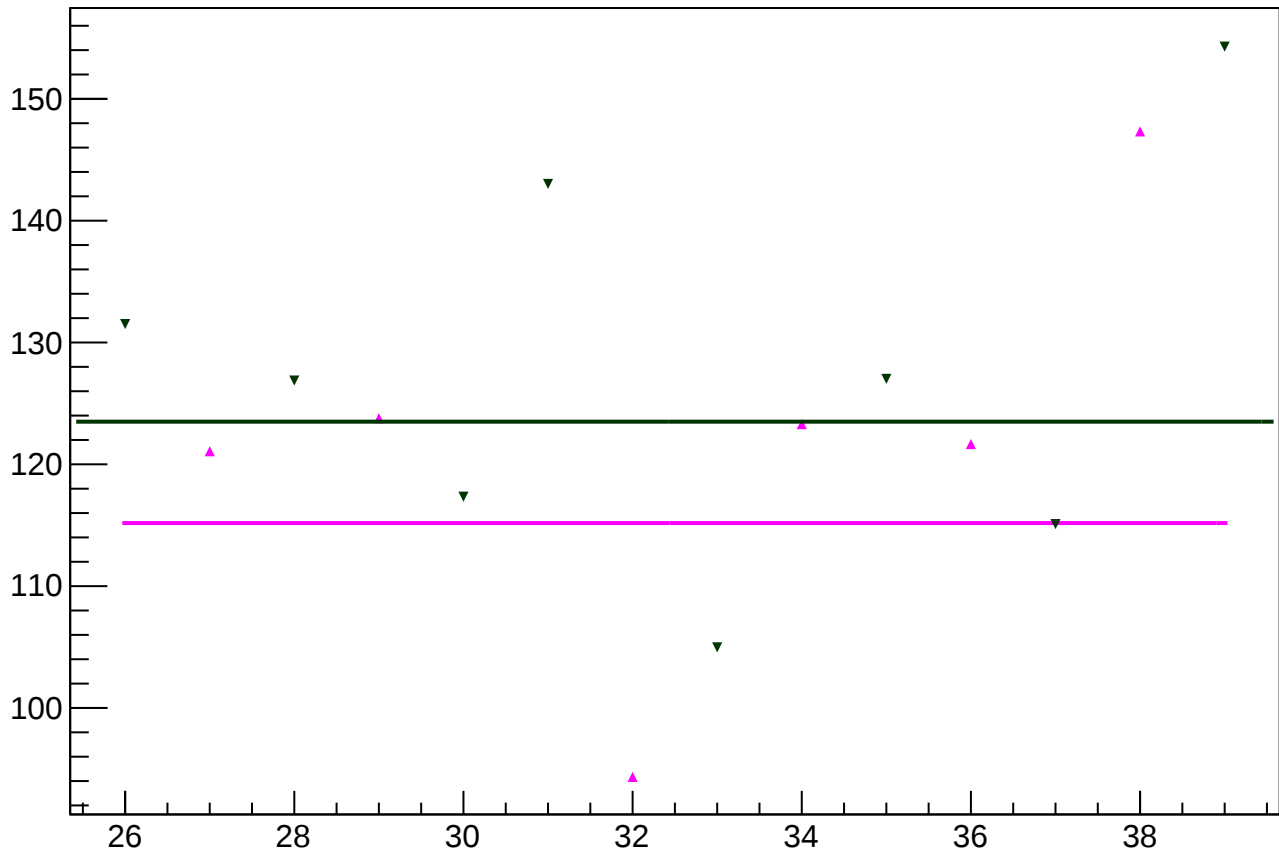
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -13.804+/-57.980  $\chi^2/\text{NDF}$ : 0.7/5

65.598+/-61.246  $\chi^2/\text{NDF}$ : 5.0/7

-13.804+/-57.980  $\chi^2/\text{NDF}$ : 0.7/5

# asym\_bcm\_dg\_ds\_rms vs slug



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

Left Out: 123.501+/-0.043  $\chi^2/\text{NDF}$ : 95567.2/7

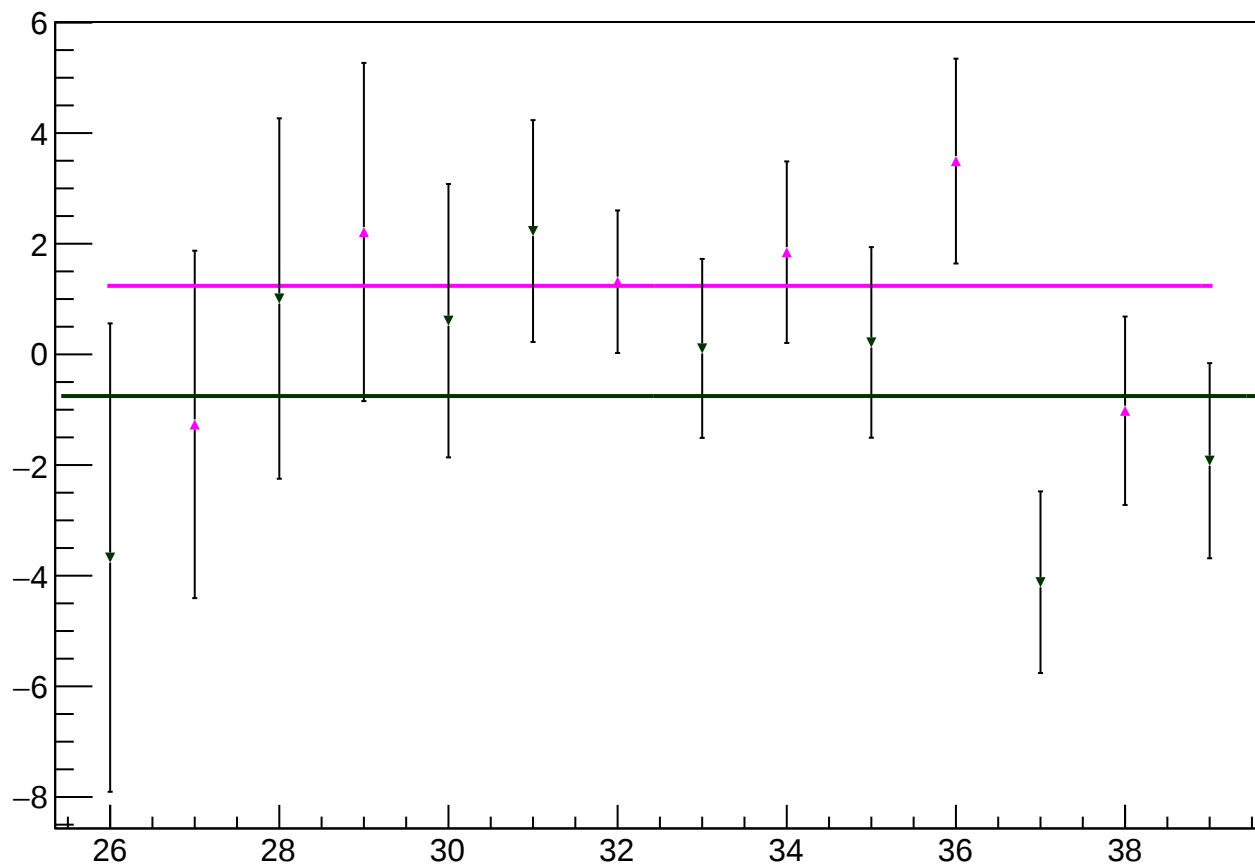
123.501+/-0.043  $\chi^2/\text{NDF}$ : 95567.2/7

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

115.179+/-0.041  $\chi^2/\text{NDF}$ : 153034.1/5

Left In: 115.179+/-0.041  $\chi^2/\text{NDF}$ : 153034.1/5

# asym\_cav4bQ\_mean vs slug



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

Left Out: -0.753+/-0.712  $\chi^2/\text{NDF}$ : 8.5/7

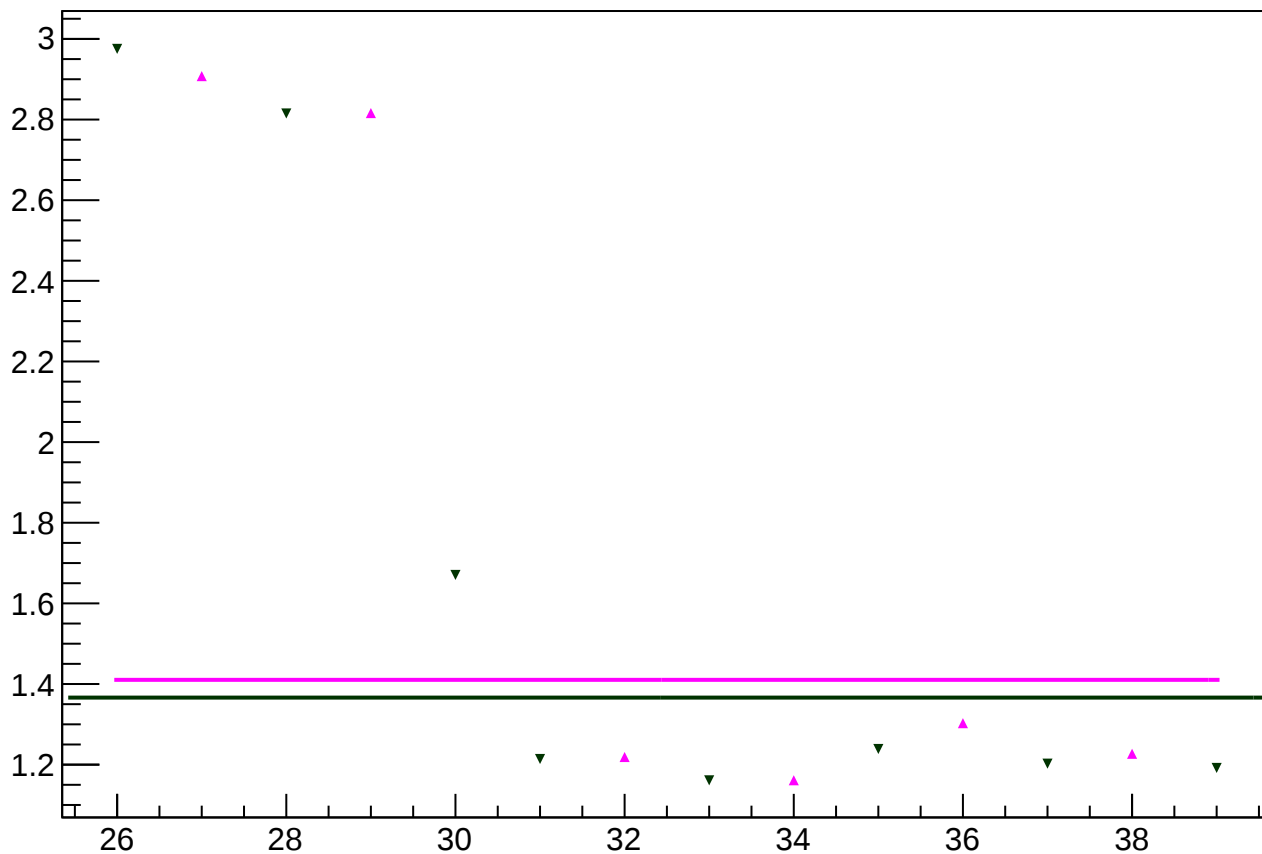
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.239+/-0.741  $\chi^2/\text{NDF}$ : 4.1/5

-0.753+/-0.712  $\chi^2/\text{NDF}$ : 8.5/7

1.239+/-0.741  $\chi^2/\text{NDF}$ : 4.1/5

# asym\_cav4bQ\_rms vs slug



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

Left Out: 1.366+/-0.001  $\chi^2/\text{NDF}$ : 809149.6/7

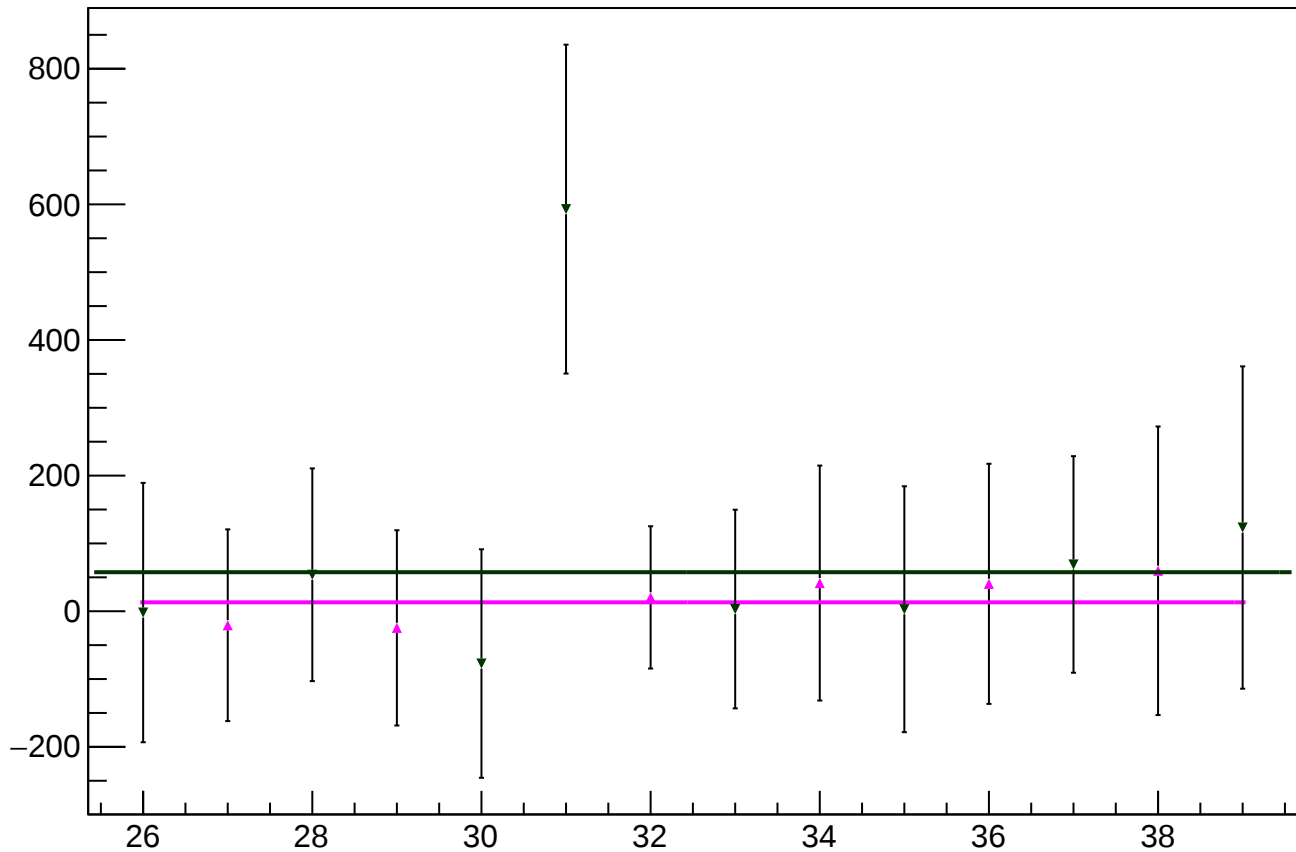
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.410+/-0.001  $\chi^2/\text{NDF}$ : 998138.0/5

1.366+/-0.001  $\chi^2/\text{NDF}$ : 809149.6/7

1.410+/-0.001  $\chi^2/\text{NDF}$ : 998138.0/5

asym\_cav4cQ\_mean vs slug



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

Left Out: 57.558+/-62.723  $\chi^2/\text{NDF}$ : 5.9/7

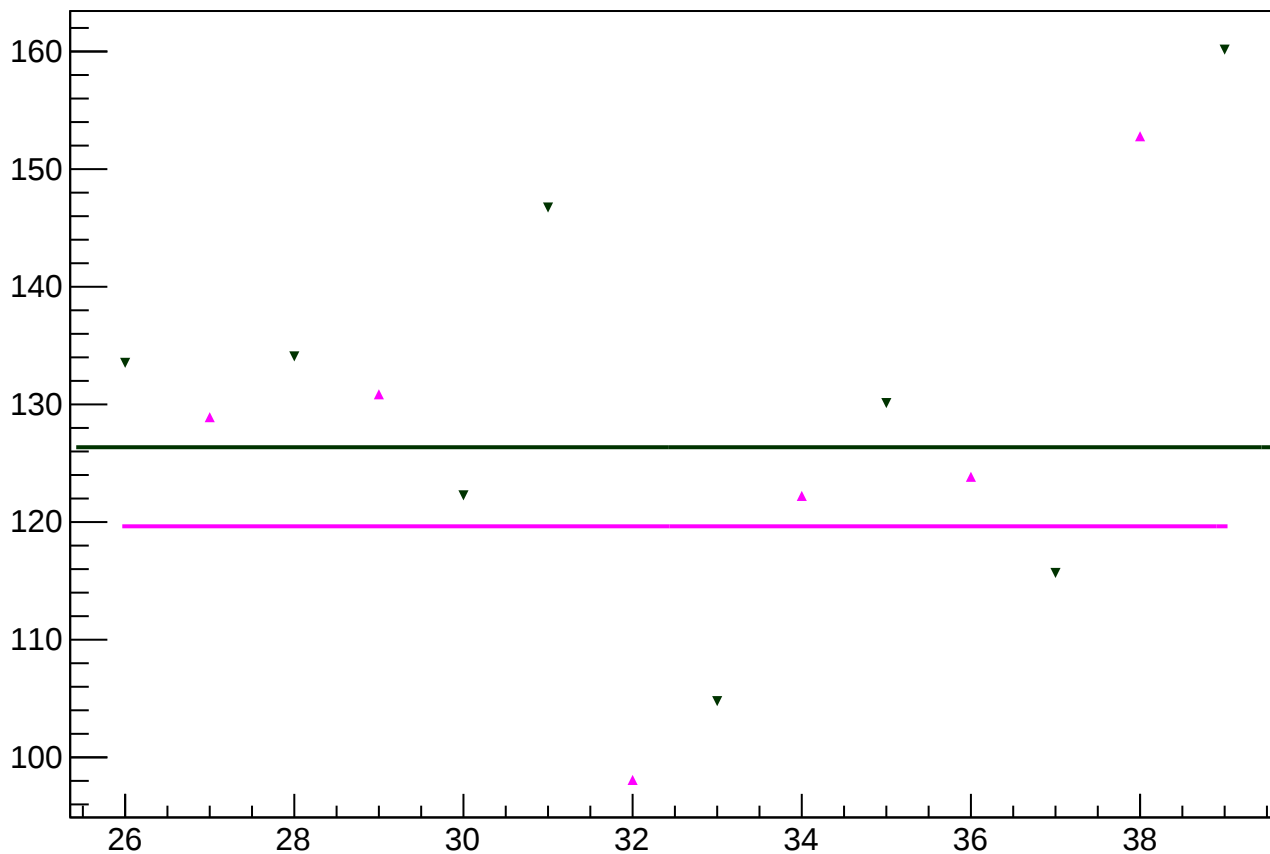
57.558+/-62.723  $\chi^2/\text{NDF}$ : 5.9/7

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

13.127+/-60.145  $\chi^2/\text{NDF}$ : 0.2/5

Left In: 13.127+/-60.145  $\chi^2/\text{NDF}$ : 0.2/5

# asym\_cav4cQ\_rms vs slug



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

Left Out: 126.360+/-0.044  $\chi^2/\text{NDF}$ : 116640.6/7

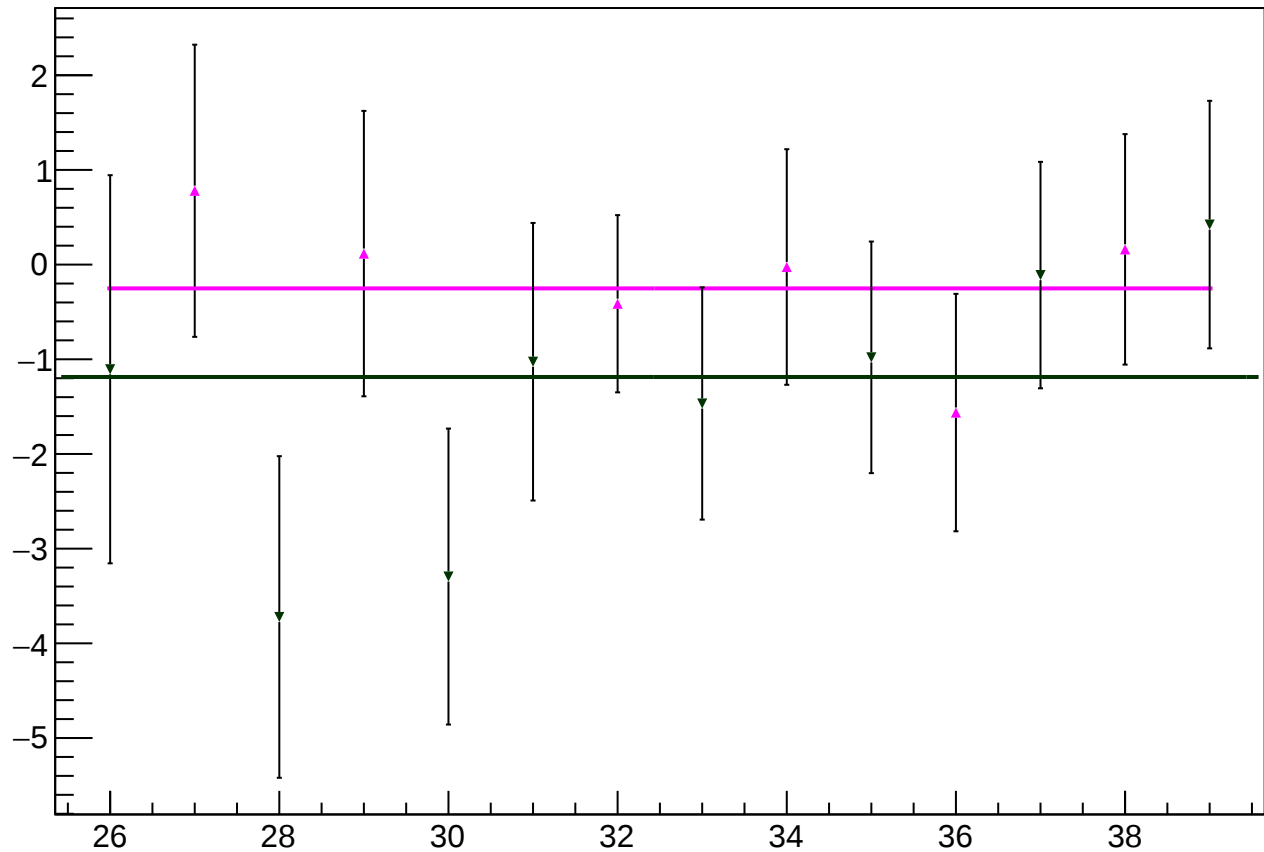
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 119.639+/-0.043  $\chi^2/\text{NDF}$ : 155345.7/5

126.360+/-0.044  $\chi^2/\text{NDF}$ : 116640.6/7

119.639+/-0.043  $\chi^2/\text{NDF}$ : 155345.7/5

# asym\_cav4dQ\_mean vs slug



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

Left Out: -1.187+/-0.495  $\chi^2/\text{NDF}$ : 6.5/7

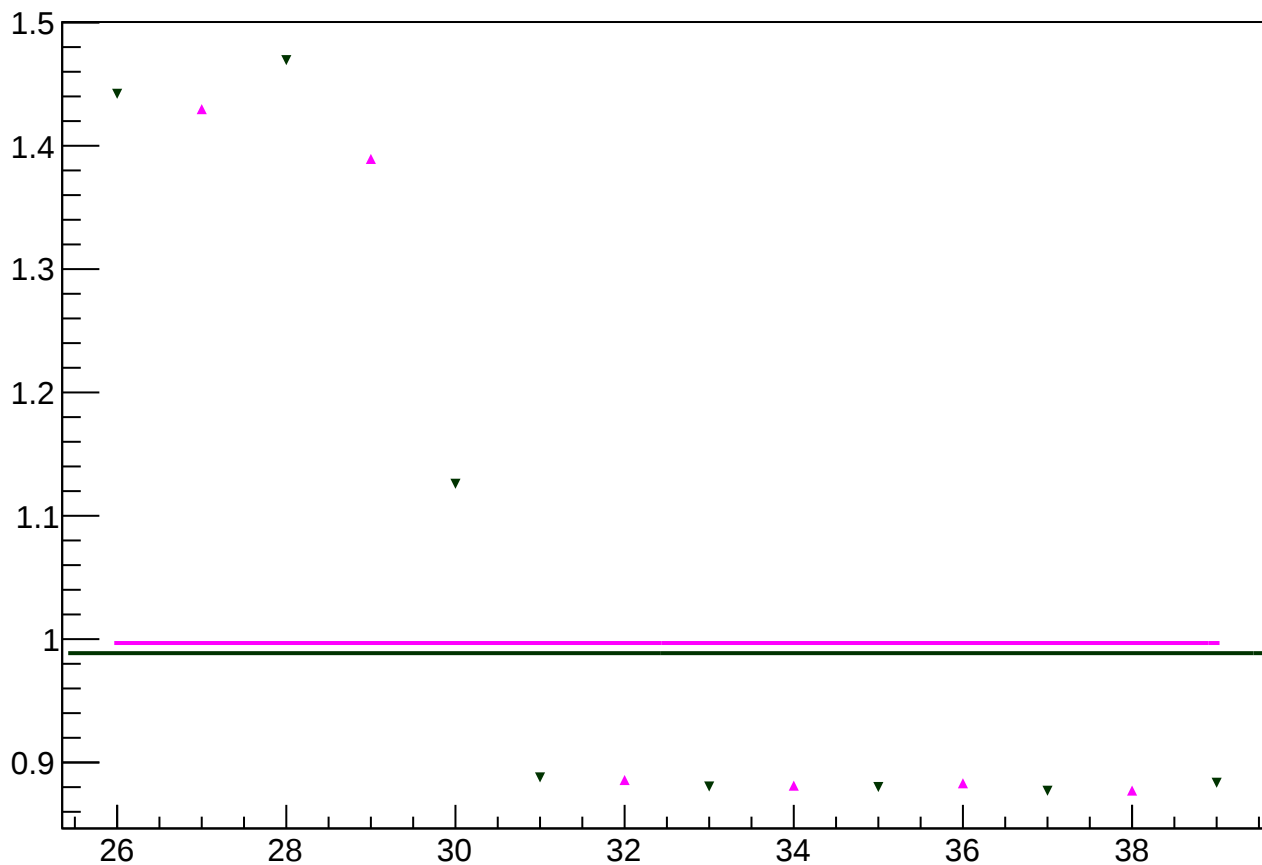
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.251+/-0.503  $\chi^2/\text{NDF}$ : 1.8/5

-1.187+/-0.495  $\chi^2/\text{NDF}$ : 6.5/7

-0.251+/-0.503  $\chi^2/\text{NDF}$ : 1.8/5

# asym\_cav4dQ\_rms vs slug



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

Left Out: 0.989+/-0.000  $\chi^2/\text{NDF}$ : 344685.5/7

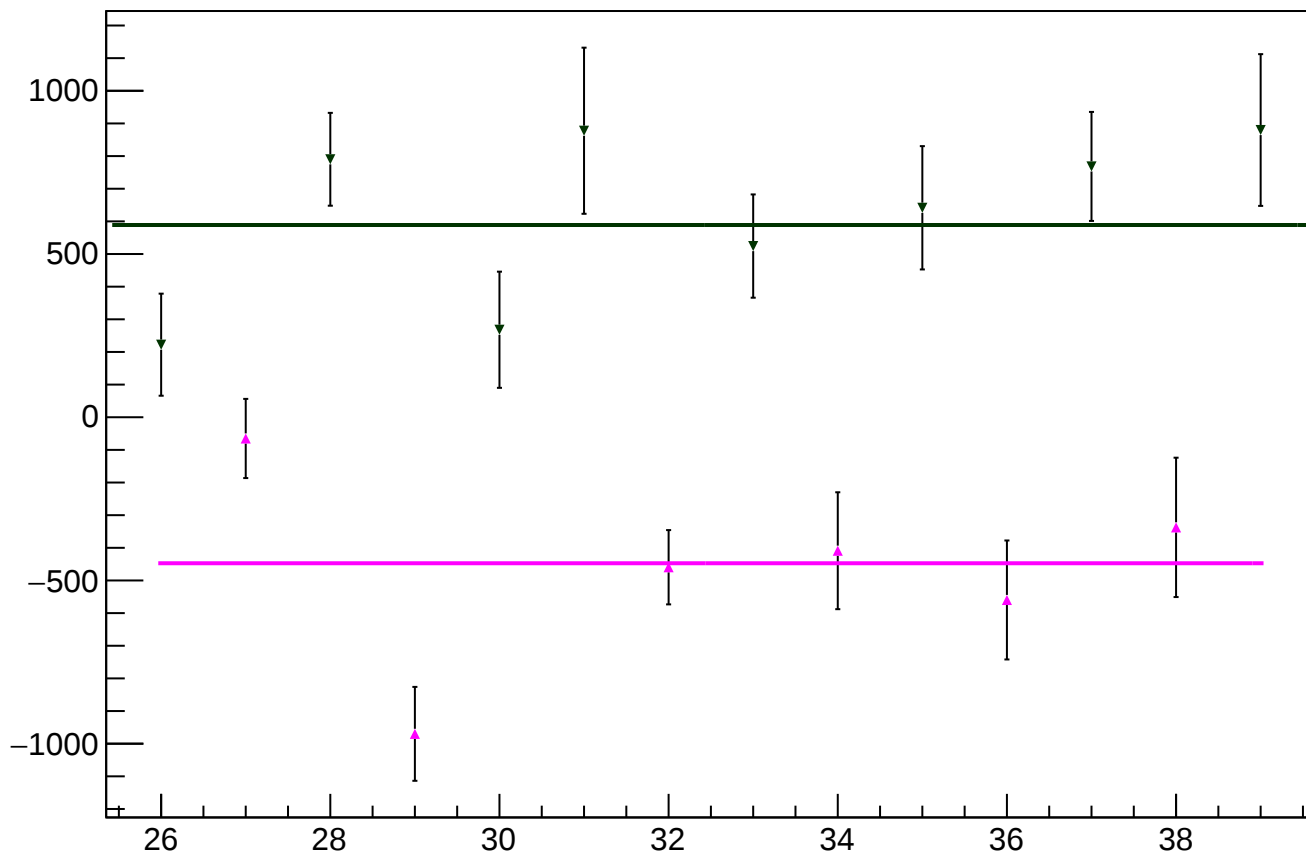
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.997+/-0.000  $\chi^2/\text{NDF}$ : 374249.7/5

0.989+/-0.000  $\chi^2/\text{NDF}$ : 344685.5/7

0.997+/-0.000  $\chi^2/\text{NDF}$ : 374249.7/5

# asym\_bcm0l02\_mean vs slug



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

Left Out: 588.893+/-62.045  $\chi^2/\text{NDF}$ :15.0/7

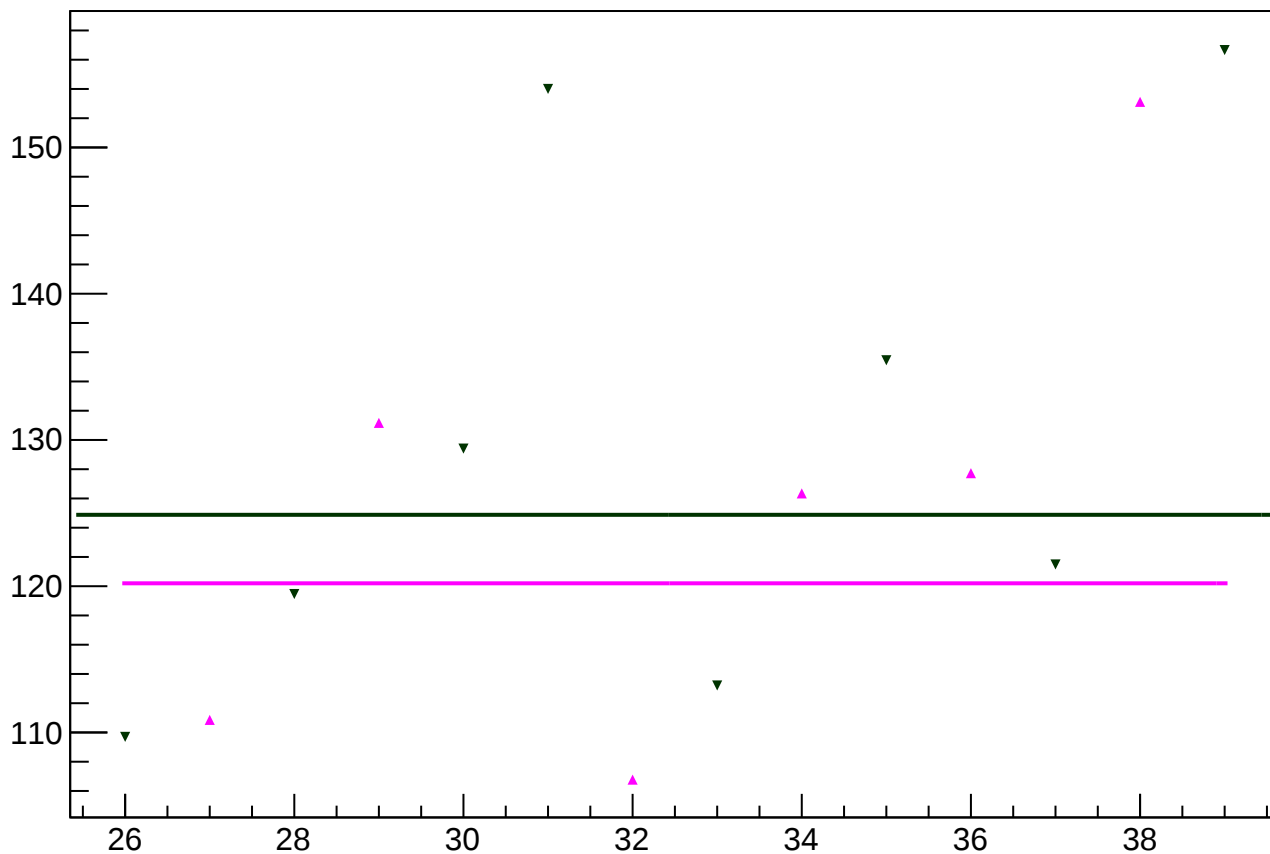
588.893+/-62.045  $\chi^2/\text{NDF}$ : 15.0/7

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

-447.260+/-60.105  $\chi^2/\text{NDF}$ : 23.8/5

Left In: -447.260+/-60.105  $\chi^2/\text{NDF}$ :23.8/5

# asym\_bcm0l02\_rms vs slug



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

Left Out: 124.882+/-0.044  $\chi^2/\text{NDF}$ : 104618.4/7

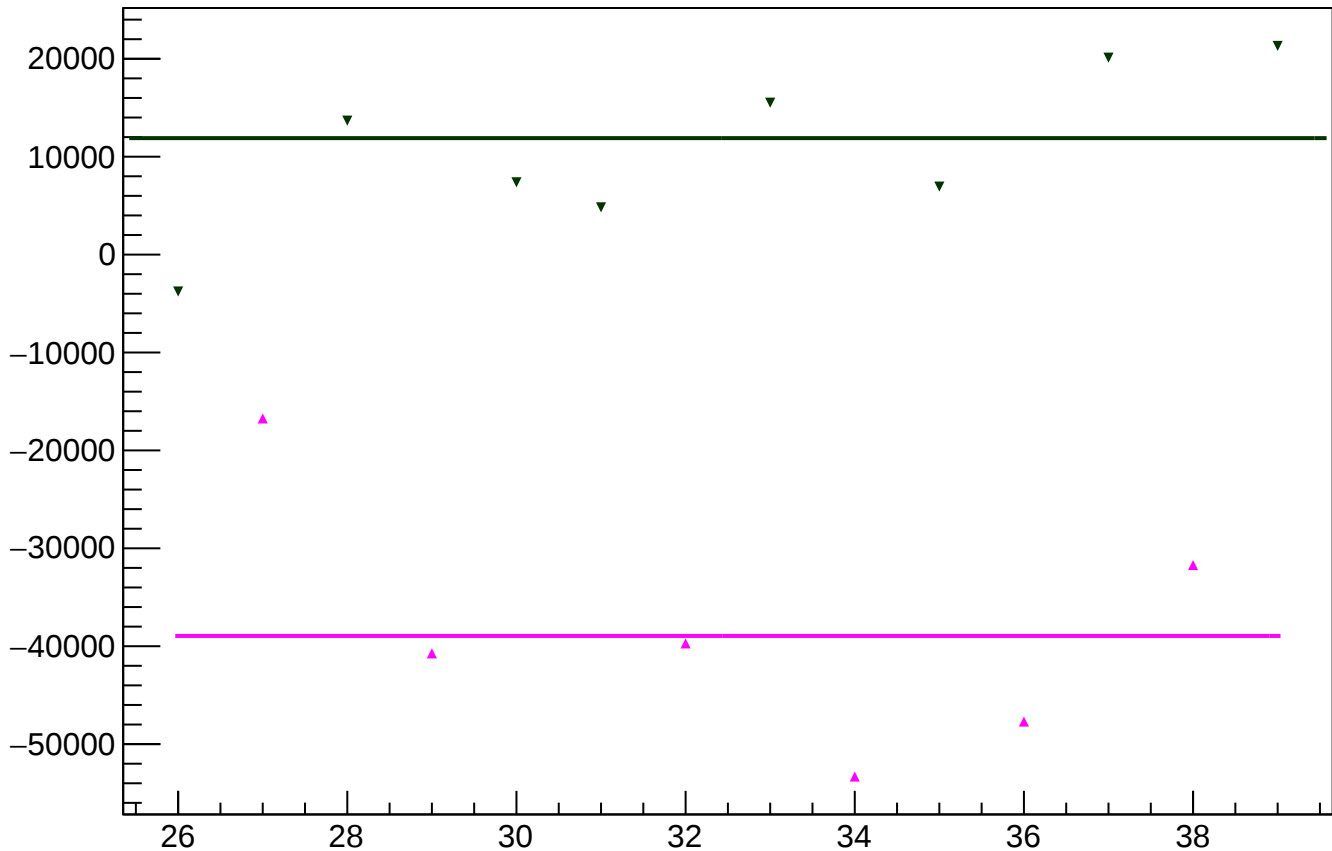
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 120.199+/-0.043  $\chi^2/\text{NDF}$ : 104670.4/5

124.882+/-0.044  $\chi^2/\text{NDF}$ : 104618.4/7

120.199+/-0.043  $\chi^2/\text{NDF}$ : 104670.4/5

# asym\_bpm2i01WS\_mean vs slug



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

Left Out: 11896.357+/-49.802  $\chi^2/\text{NDF}$ :25079.1/7

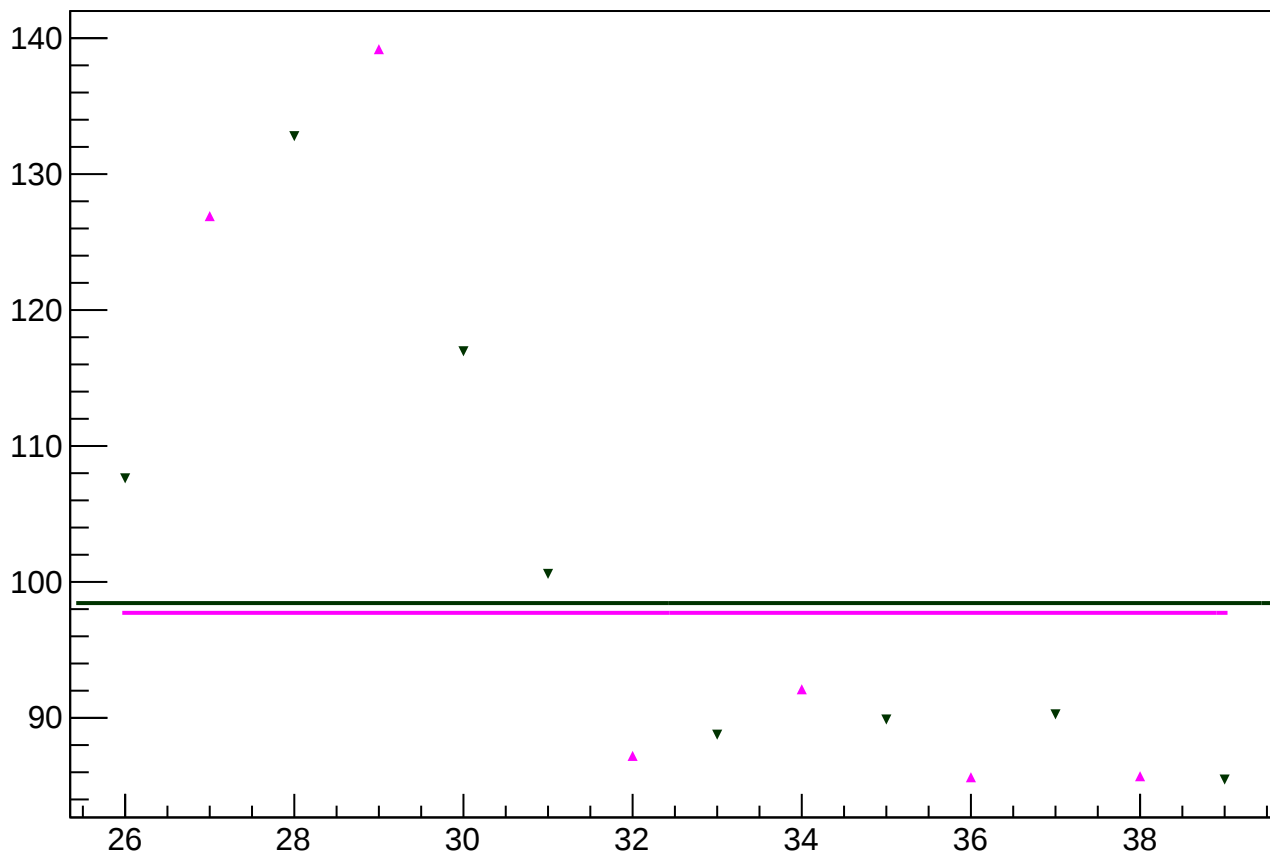
11896.357+/-49.802  $\chi^2/\text{NDF}$ : 25079.1/7

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

-38949.061+/-50.337  $\chi^2/\text{NDF}$ : 44643.7/5

Left In: -38949.061+/-50.337  $\chi^2/\text{NDF}$ :44643.7/5

# asym\_bpm2i01WS\_rms vs slug



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

Left Out: 98.445+/-0.035  $\chi^2/\text{NDF}$ :172446.1/7

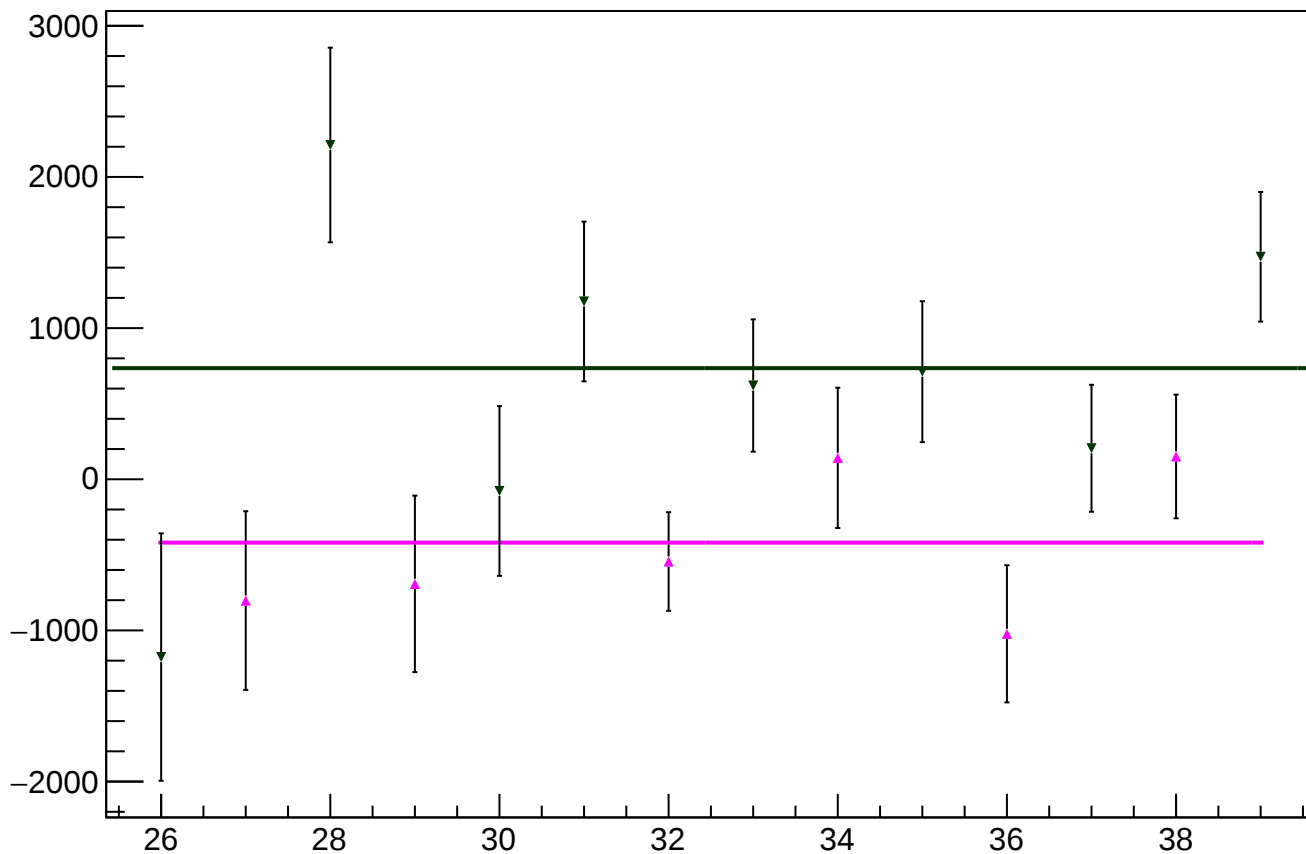
98.445+/-0.035  $\chi^2/\text{NDF}$ : 172446.1/7

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

97.727+/-0.036  $\chi^2/\text{NDF}$ : 292446.0/5

Left In: 97.727+/-0.036  $\chi^2/\text{NDF}$ :292446.0/5

# asym\_bpm0i07WS\_mean vs slug



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

Left Out: 735.256+/-177.910  $\chi^2/\text{NDF}$ : 18.1/7

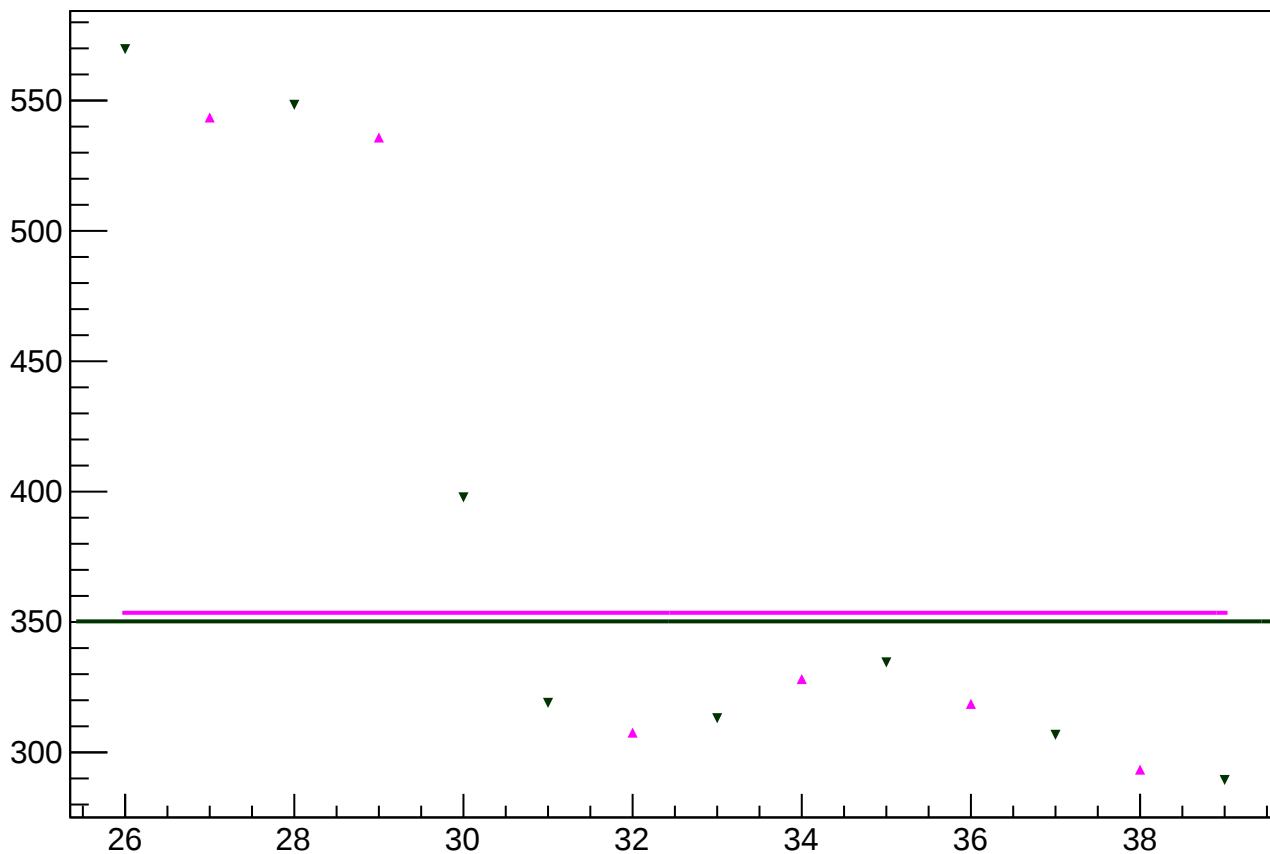
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -418.978+/-180.574  $\chi^2/\text{NDF}$ : 6.0/5

735.256+/-177.910  $\chi^2/\text{NDF}$ : 18.1/7

-418.978+/-180.574  $\chi^2/\text{NDF}$ : 6.0/5

asym\_bpm0i07WS\_rms vs slug



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

Left Out: 350.245+/-0.126  $\chi^2/\text{NDF}$ : 432793.2/7

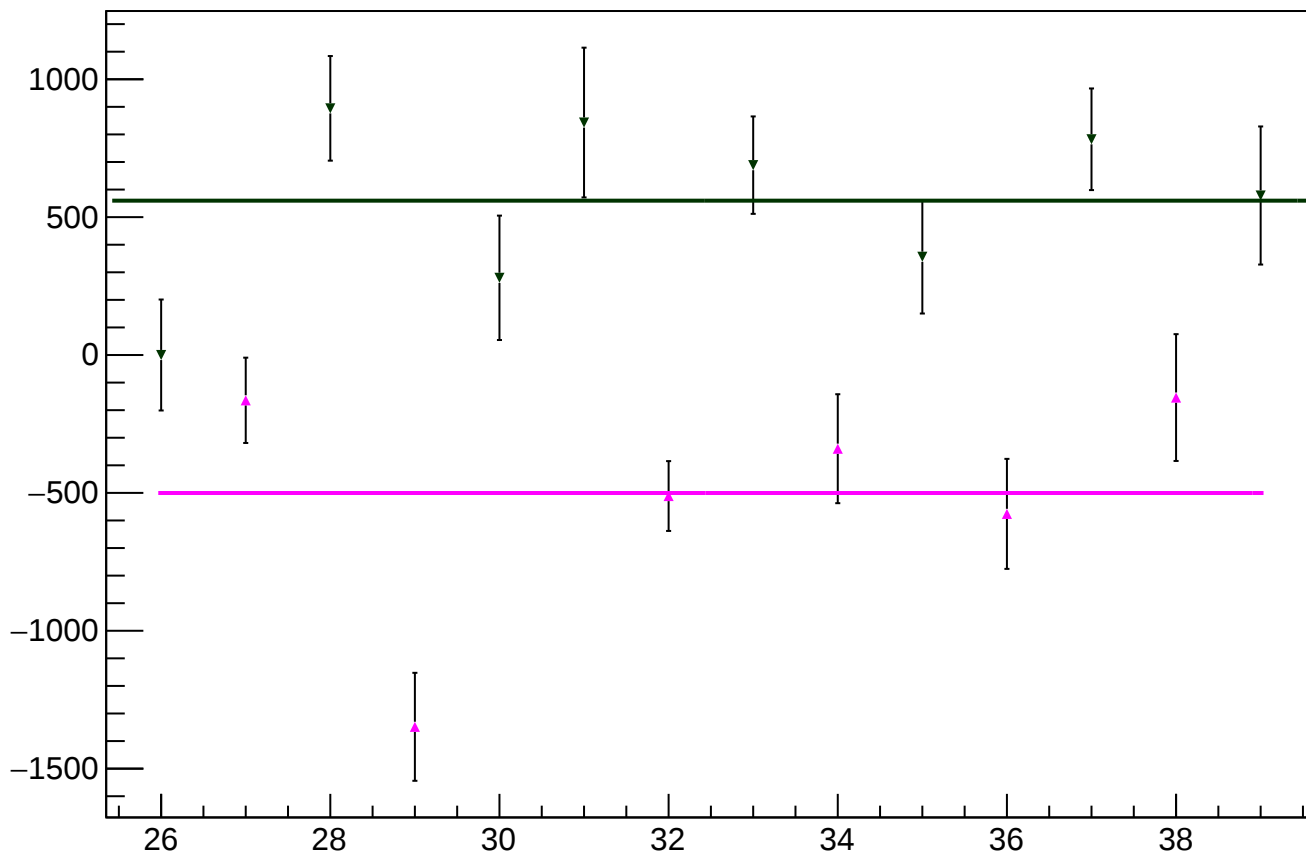
350.245+/-0.126  $\chi^2/\text{NDF}$ : 432793.2/7

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

353.540+/-0.128  $\chi^2/\text{NDF}$ : 502319.2/5

Left In: 353.540+/-0.128  $\chi^2/\text{NDF}$ : 502319.2/5

# asym\_bpm0l01WS\_mean vs slug



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

Left Out: 559.766 $\pm$ 73.175  $\chi^2$ /NDF:16.5/7

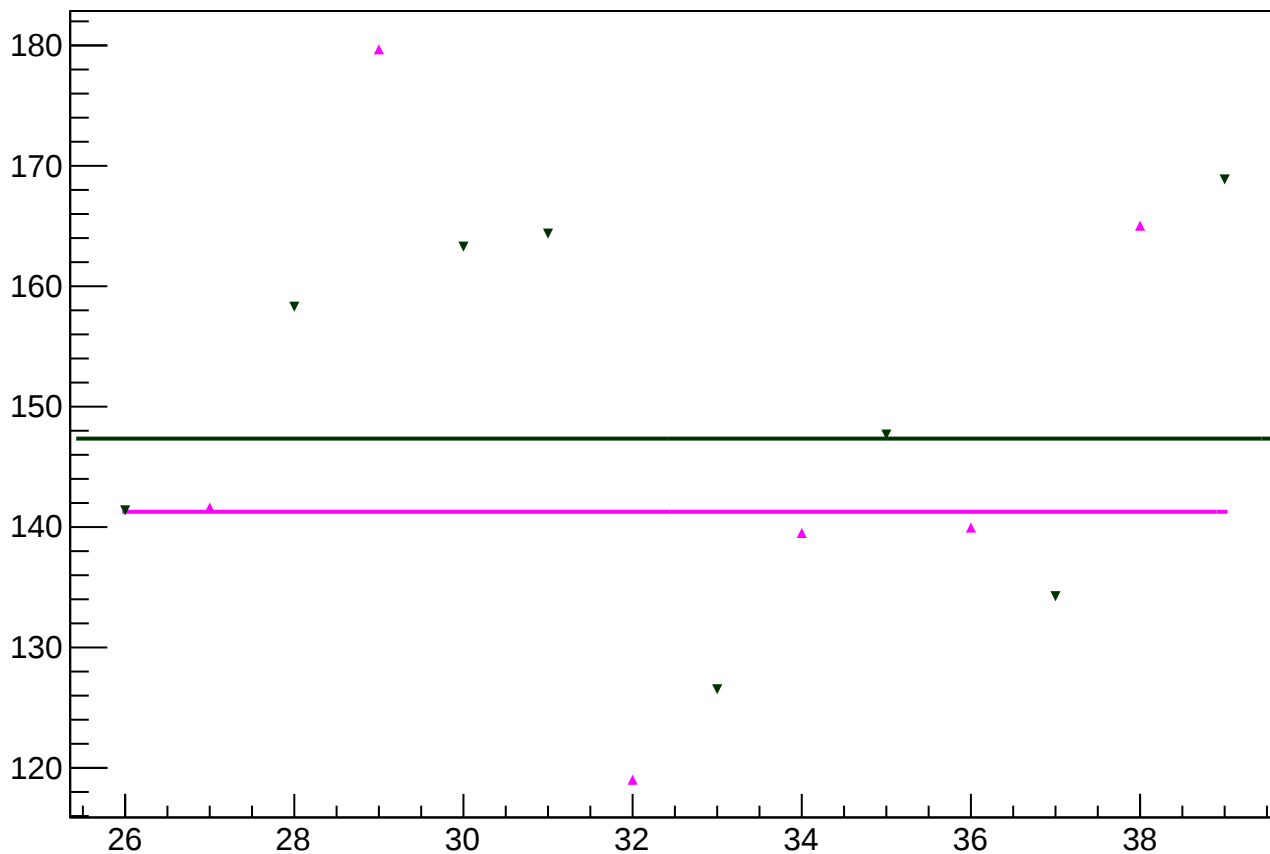
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -500.392 $\pm$ 70.725  $\chi^2$ /NDF:26.6/5

559.766 $\pm$ 73.175  $\chi^2$ /NDF: 16.5/7

-500.392 $\pm$ 70.725  $\chi^2$ /NDF: 26.6/5

# asym\_bpm0l01WS\_rms vs slug



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

Left Out: 147.347+/-0.052  $\chi^2/\text{NDF}$ : 78922.4/7

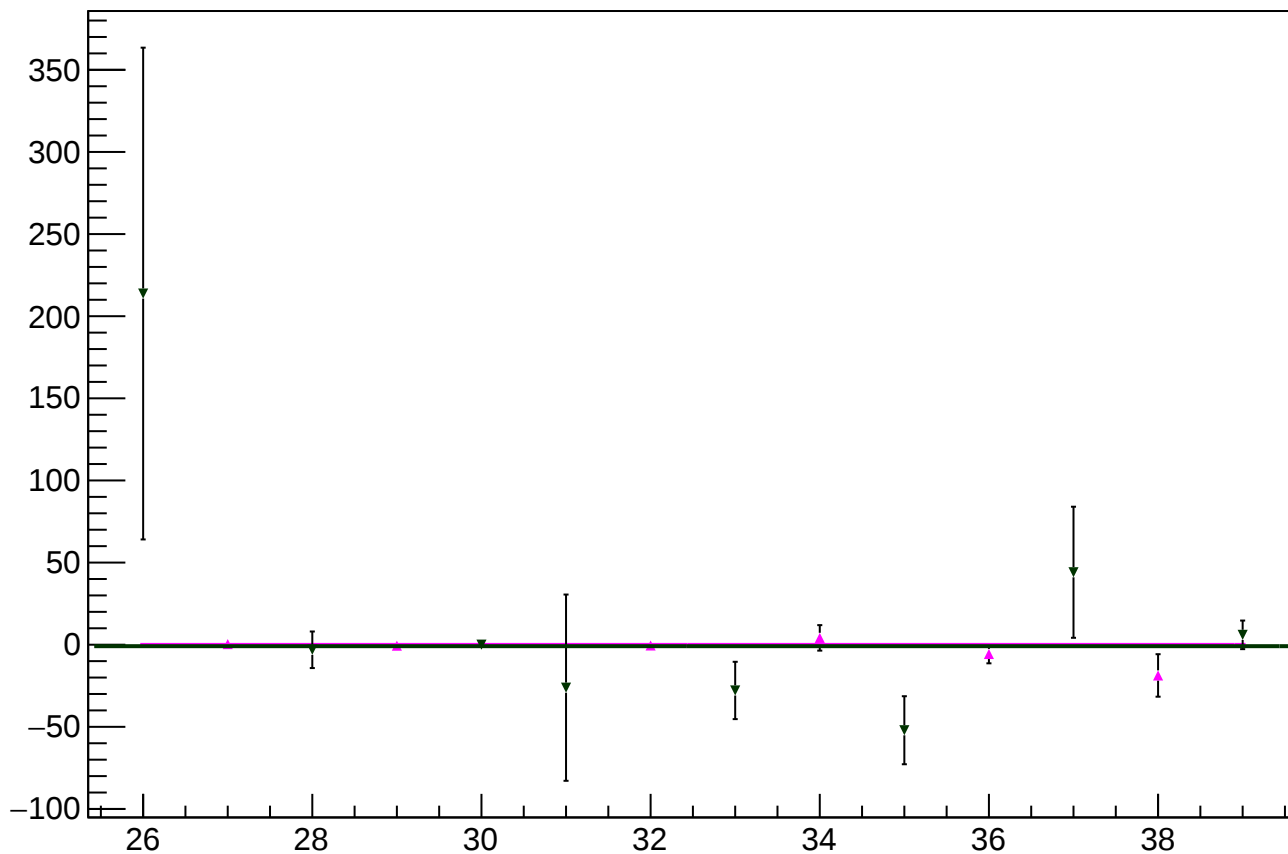
147.347+/-0.052  $\chi^2/\text{NDF}$ : 78922.4/7

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

141.271+/-0.050  $\chi^2/\text{NDF}$ : 160350.8/5

Left In: 141.271+/-0.050  $\chi^2/\text{NDF}$ : 160350.8/5

# diff\_cav4bX\_mean vs slug



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

Left Out: -0.897+/-2.679  $\chi^2/\text{NDF}$ :12.8/7

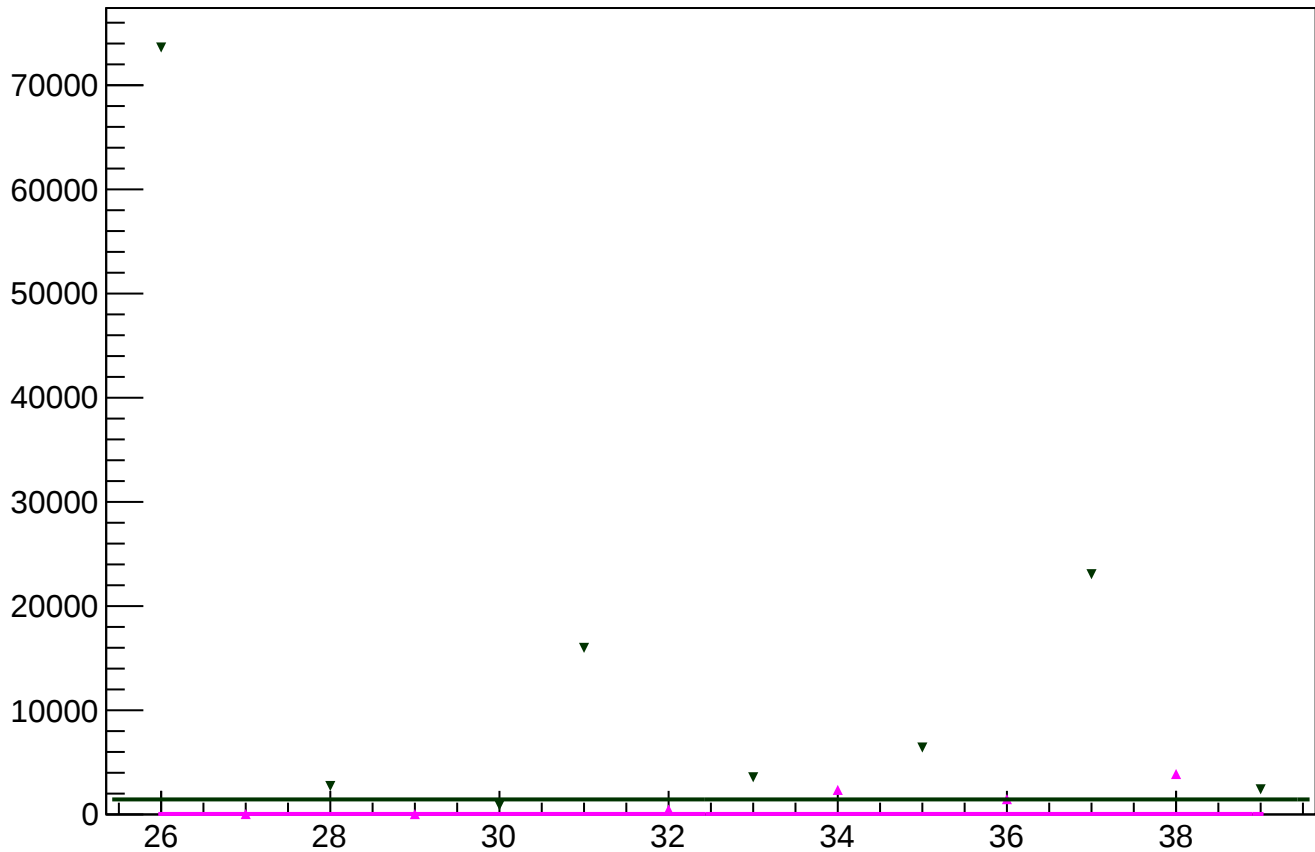
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.117+/-0.170  $\chi^2/\text{NDF}$ :11.4/5

-0.897+/-2.679  $\chi^2/\text{NDF}$ : 12.8/7

-0.117+/-0.170  $\chi^2/\text{NDF}$ : 11.4/5

# diff\_cav4bX\_rms vs slug



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

Left Out: 1442.715+/-1.894  $\chi^2/\text{NDF}$ :1452173.5/7

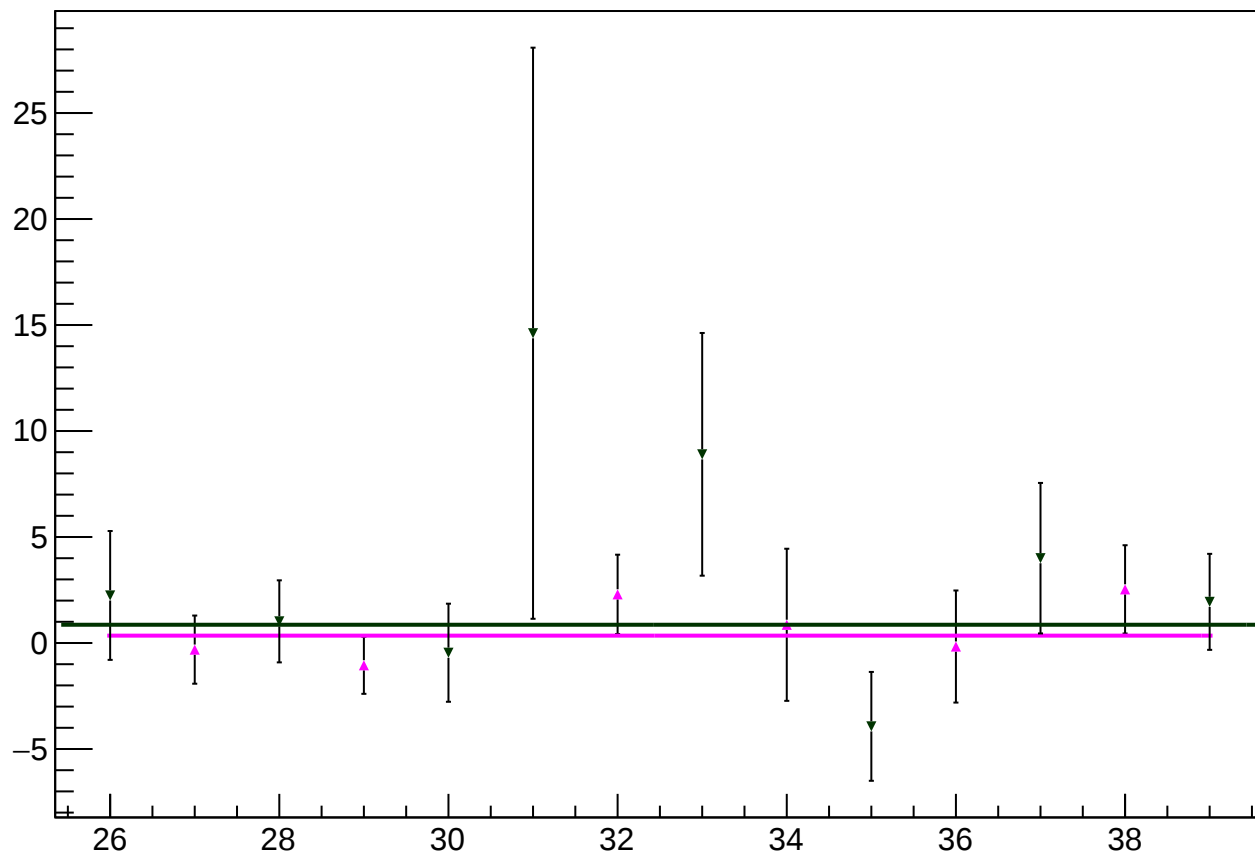
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 48.984+/-0.120  $\chi^2/\text{NDF}$ :720684.8/5

1442.715+/-1.894  $\chi^2/\text{NDF}$ : 1452173.5/7

48.984+/-0.120  $\chi^2/\text{NDF}$ : 720684.8/5

# diff\_cav4bY\_mean vs slug



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

Left Out: 0.861+/-0.988     $\chi^2/\text{NDF}$ : 8.0/7

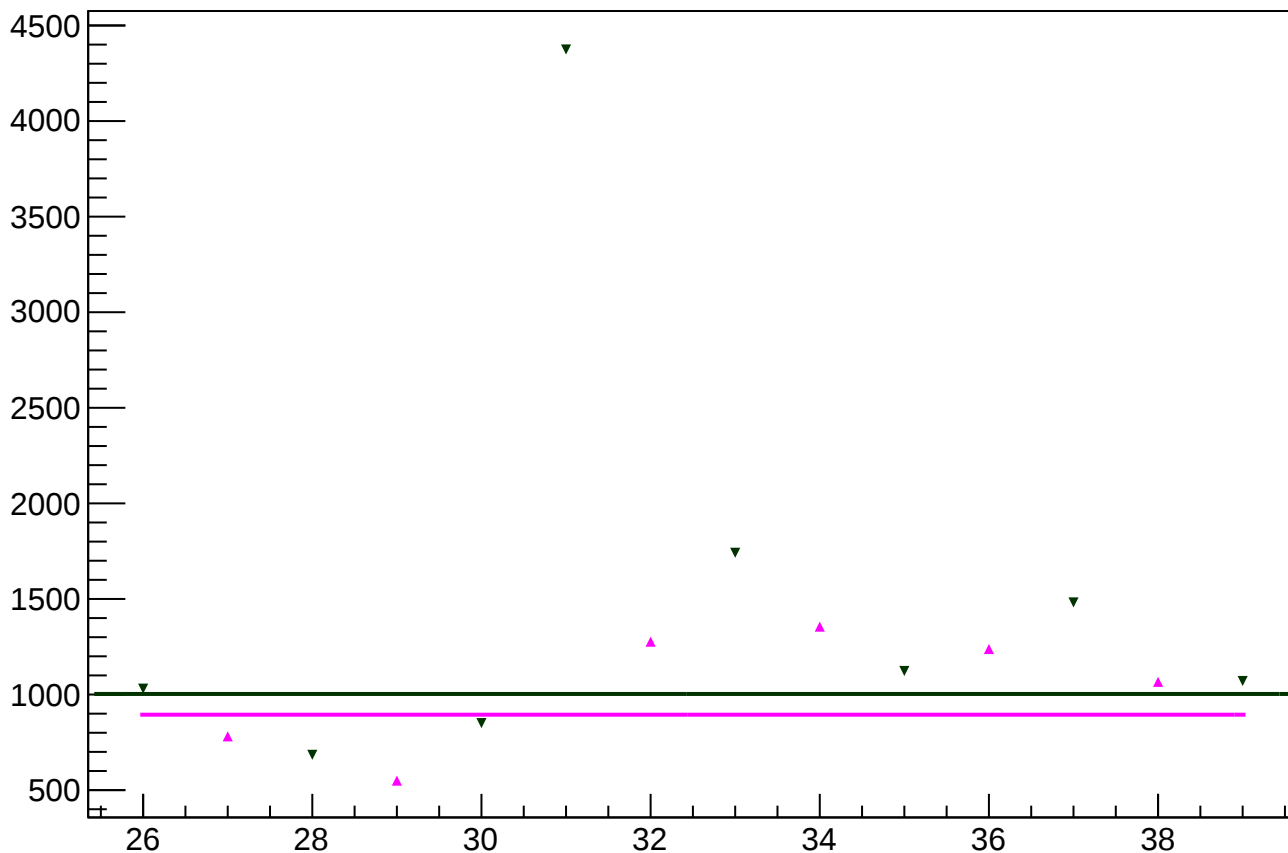
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.348+/-0.773     $\chi^2/\text{NDF}$ : 3.5/5

0.861+/-0.988     $\chi^2/\text{NDF}$ : 8.0/7

0.348+/-0.773     $\chi^2/\text{NDF}$ : 3.5/5

# diff\_cav4bY\_rms vs slug



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

Left Out: 1003.076+/-0.699  $\chi^2/\text{NDF}$ : 264141.1/7

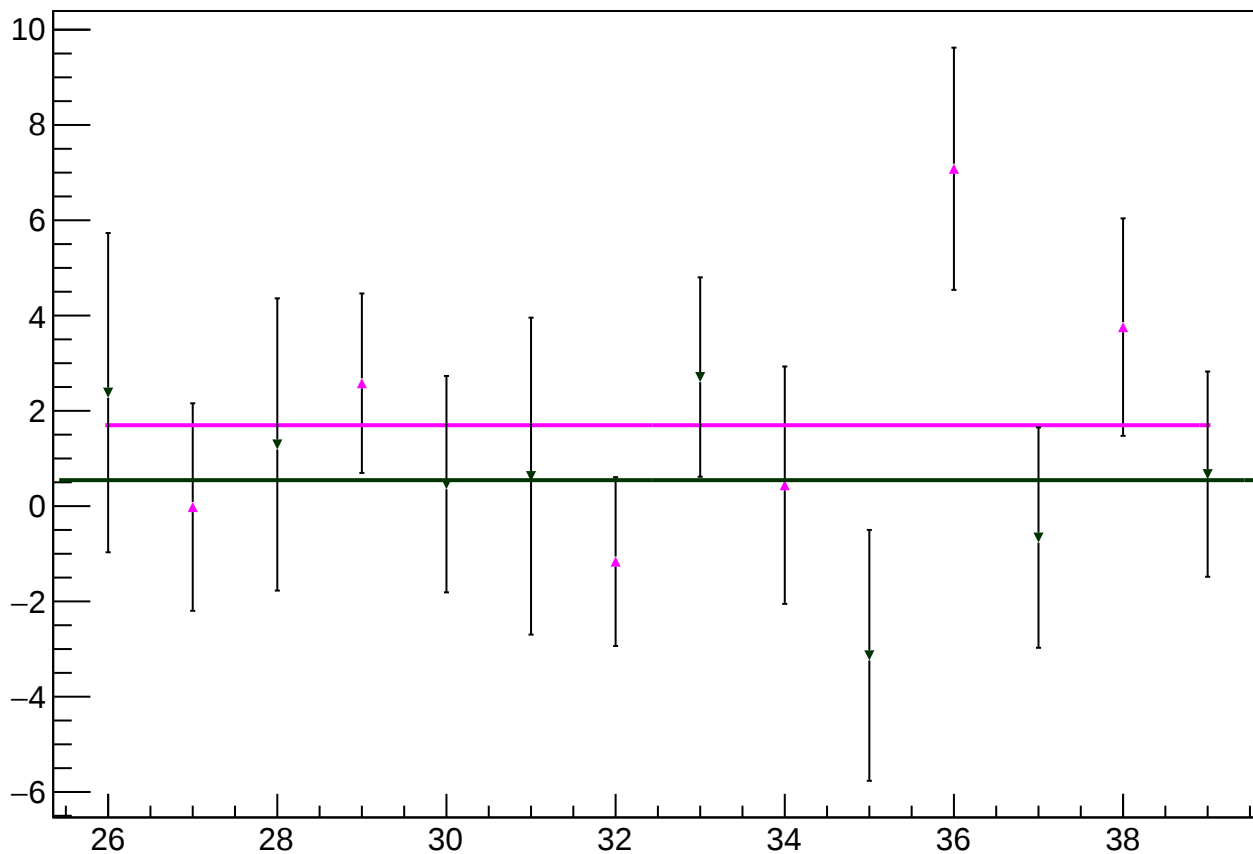
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 894.525+/-0.546  $\chi^2/\text{NDF}$ : 304884.2/5

1003.076+/-0.699  $\chi^2/\text{NDF}$ : 264141.1/7

894.525+/-0.546  $\chi^2/\text{NDF}$ : 304884.2/5

# diff\_cav4cX\_mean vs slug



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

Left Out: 0.545+/-0.893  $\chi^2/\text{NDF}$ : 3.7/7

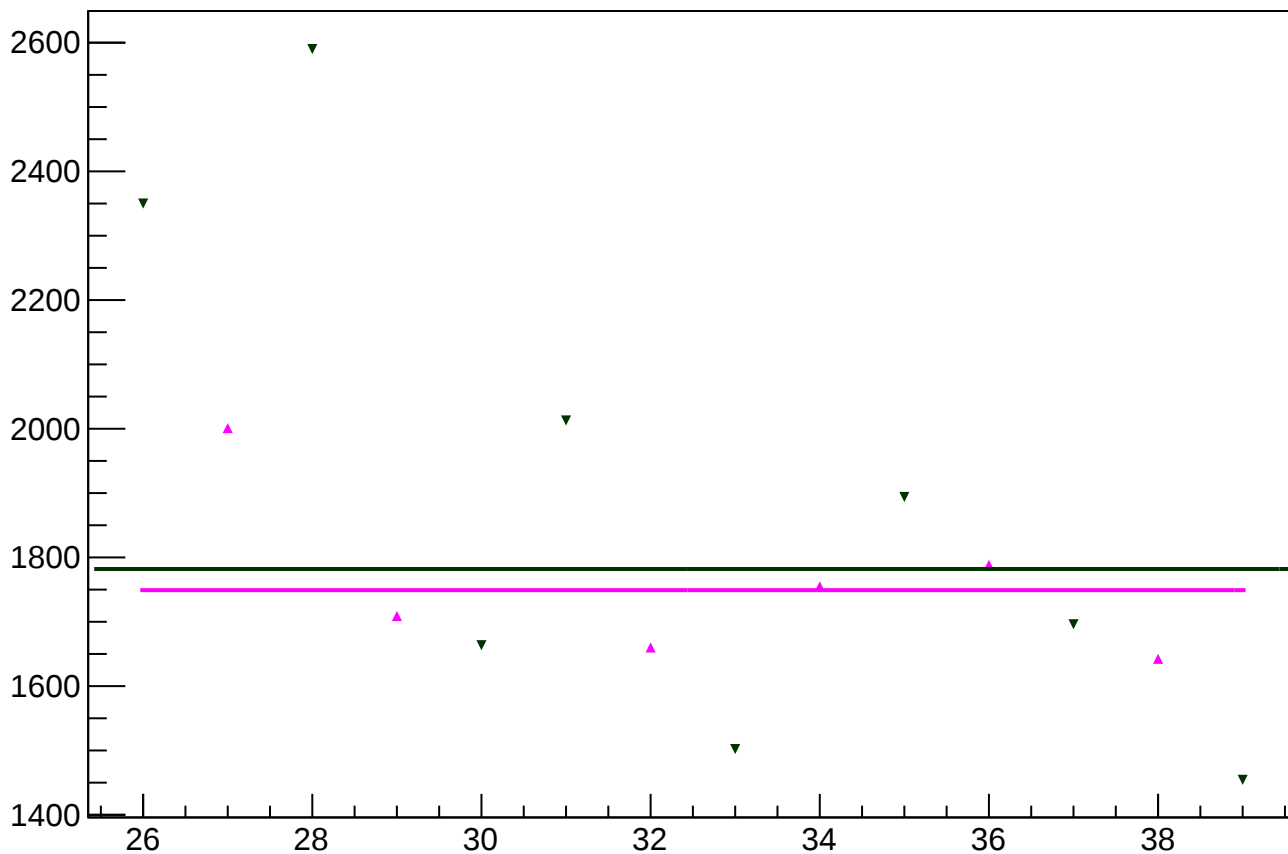
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.698+/-0.871  $\chi^2/\text{NDF}$ : 9.0/5

0.545+/-0.893  $\chi^2/\text{NDF}$ : 3.7/7

1.698+/-0.871  $\chi^2/\text{NDF}$ : 9.0/5

# diff\_cav4cX\_rms vs slug



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

Left Out: 1782.028+/-0.631  $\chi^2/\text{NDF}$ : 299744.8/7

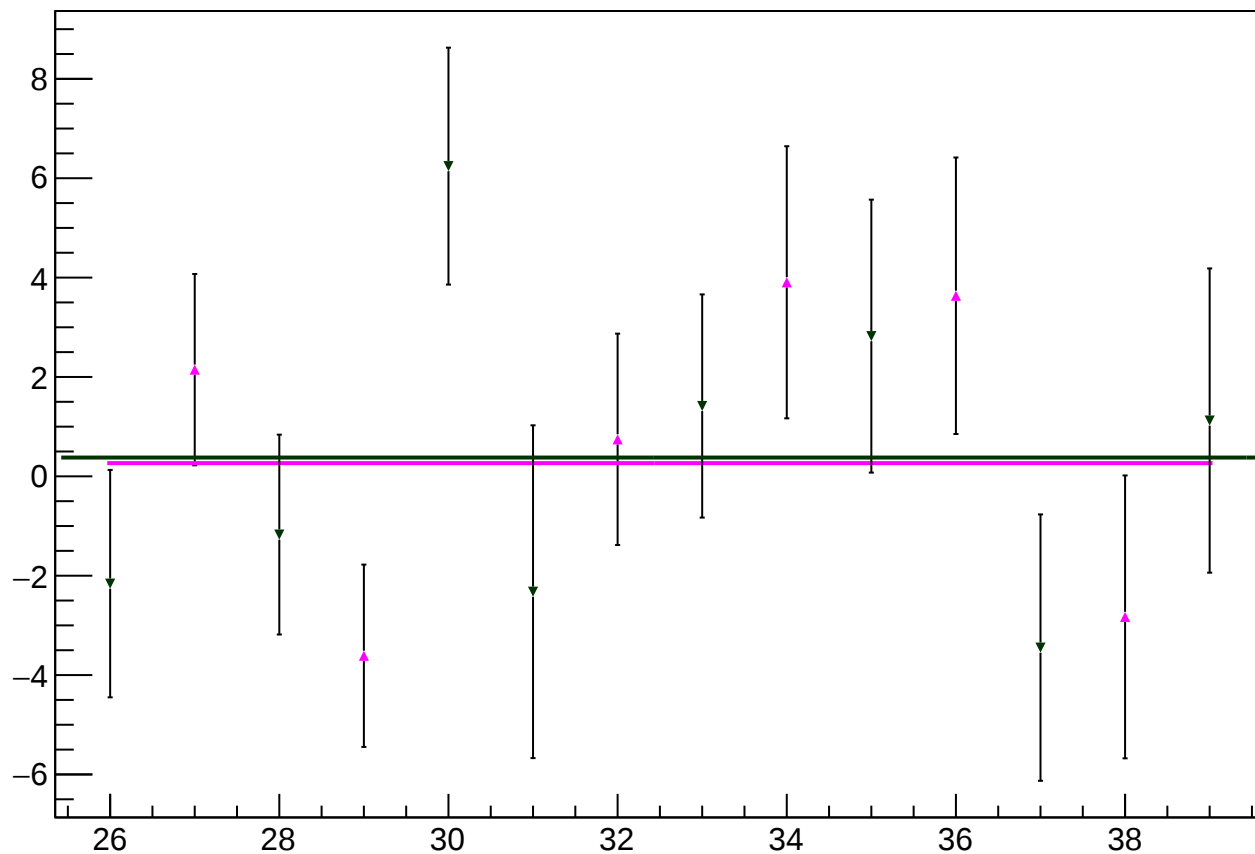
1782.028+/-0.631  $\chi^2/\text{NDF}$ : 299744.8/7

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

1749.161+/-0.616  $\chi^2/\text{NDF}$ : 37577.2/5

Left In: 1749.161+/-0.616  $\chi^2/\text{NDF}$ : 37577.2/5

# diff\_cav4cY\_mean vs slug



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

Left Out: 0.378 $\pm$ 0.884  $\chi^2$ /NDF: 11.6/7

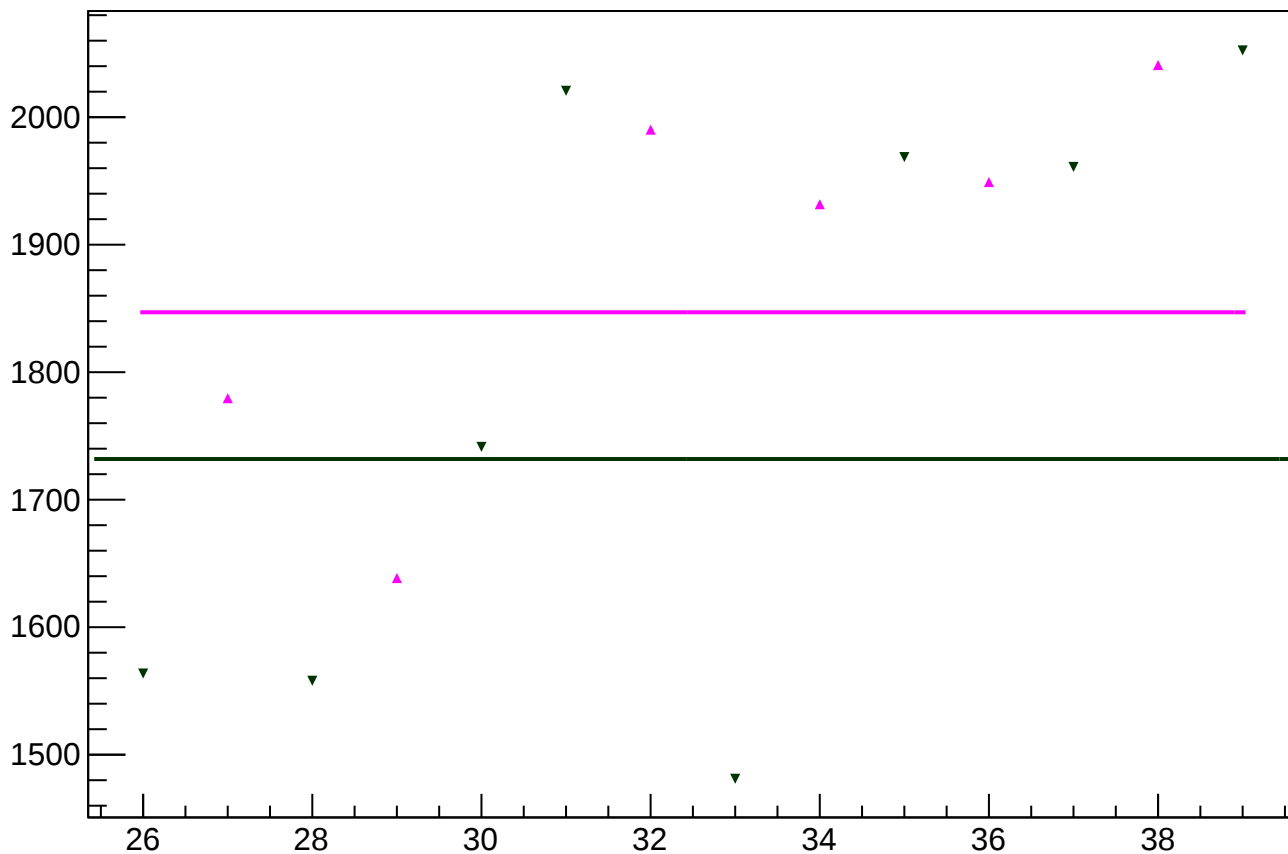
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.266 $\pm$ 0.923  $\chi^2$ /NDF: 9.9/5

0.378 $\pm$ 0.884  $\chi^2$ /NDF: 11.6/7

0.266 $\pm$ 0.923  $\chi^2$ /NDF: 9.9/5

# diff\_cav4cY\_rms vs slug



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

Left Out: 1731.923+/-0.625  $\chi^2/\text{NDF}$ : 116983.4/7

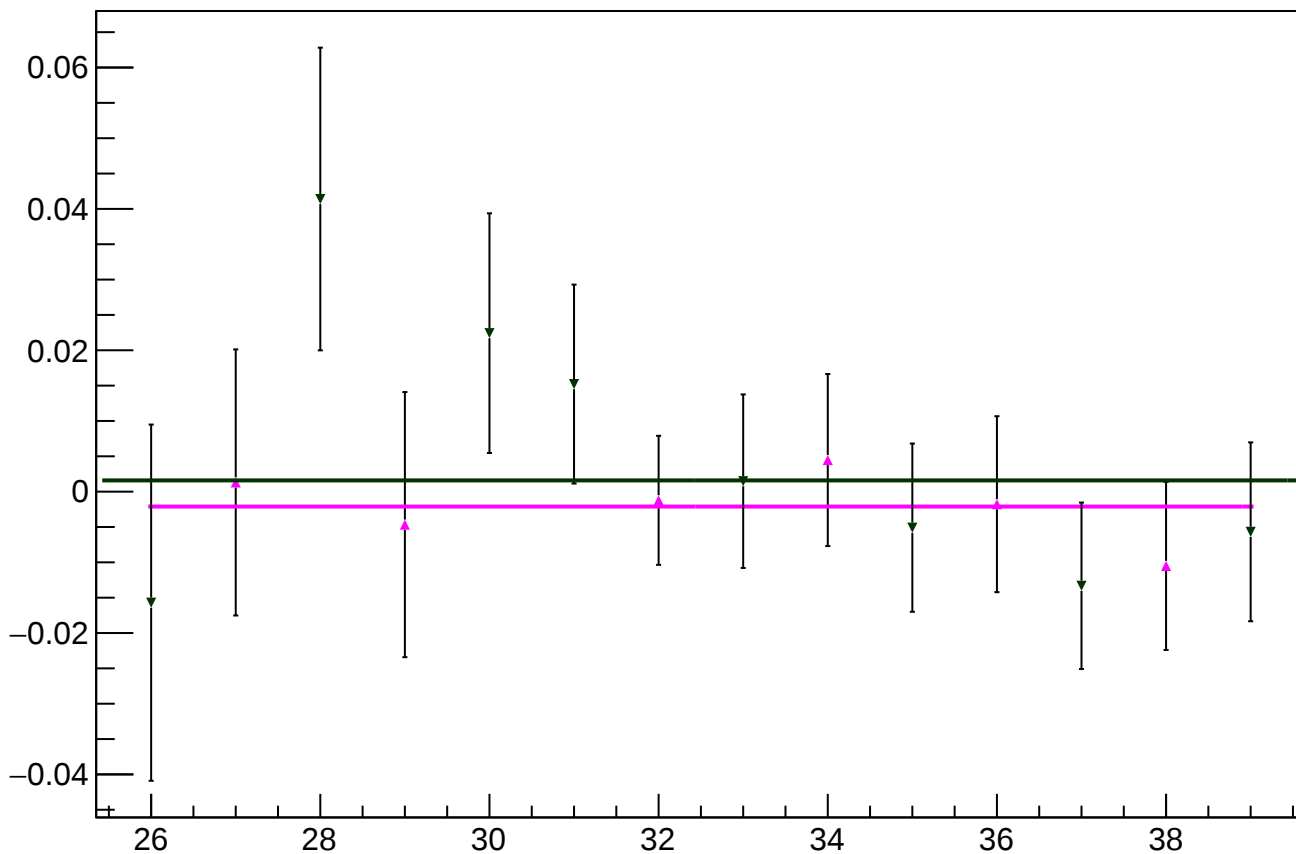
1731.923+/-0.625  $\chi^2/\text{NDF}$ : 116983.4/7

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

1846.990+/-0.653  $\chi^2/\text{NDF}$ : 51217.2/5

Left In: 1846.990+/-0.653  $\chi^2/\text{NDF}$ : 51217.2/5

# diff\_cav4dX\_mean vs slug



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

Left Out: 0.002 $\pm$ 0.005  $\chi^2$ /NDF: 8.6/7

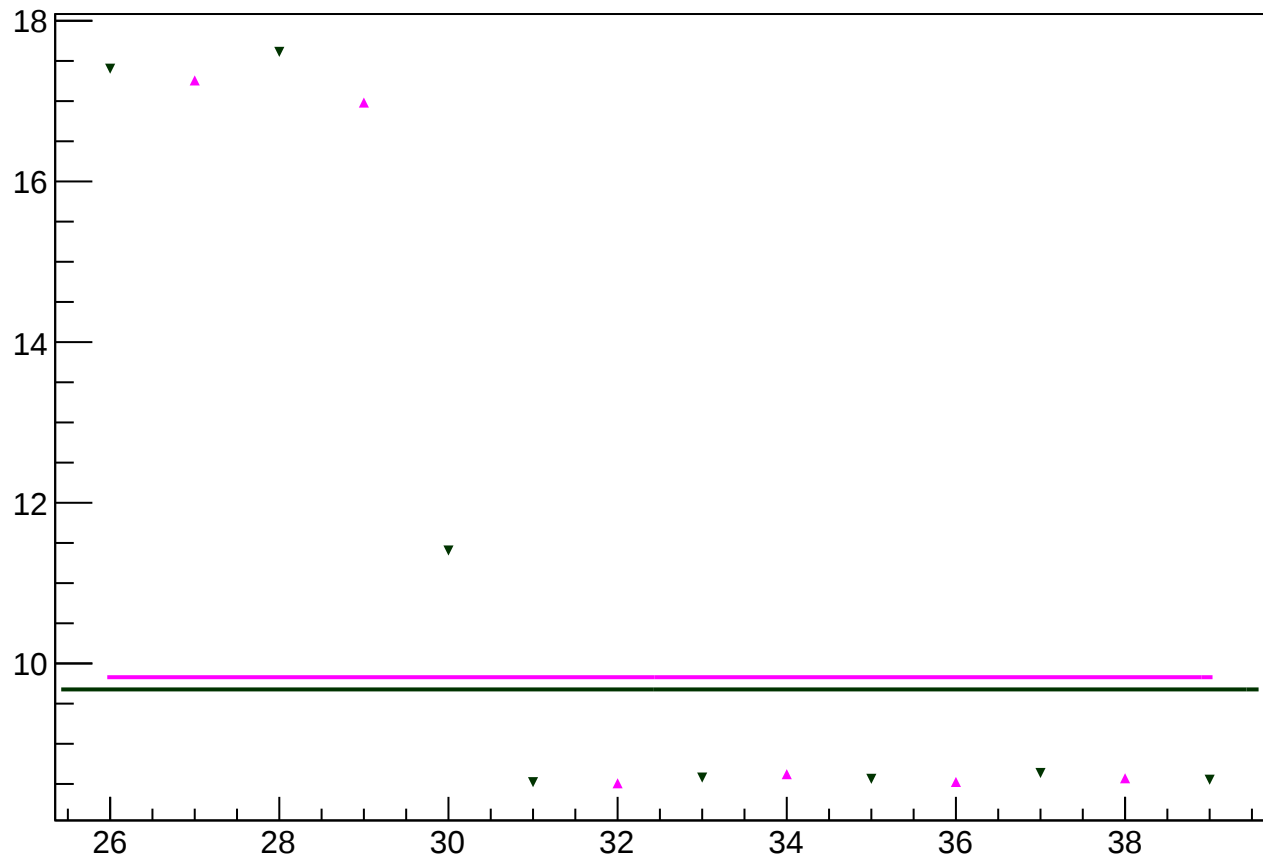
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -0.002 $\pm$ 0.005  $\chi^2$ /NDF: 0.9/5

0.002 $\pm$ 0.005  $\chi^2$ /NDF: 8.6/7

-0.002 $\pm$ 0.005  $\chi^2$ /NDF: 0.9/5

# diff\_cav4dX\_rms vs slug



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

Left Out: 9.677+/-0.004  $\chi^2/\text{NDF}$ : 561998.1/7

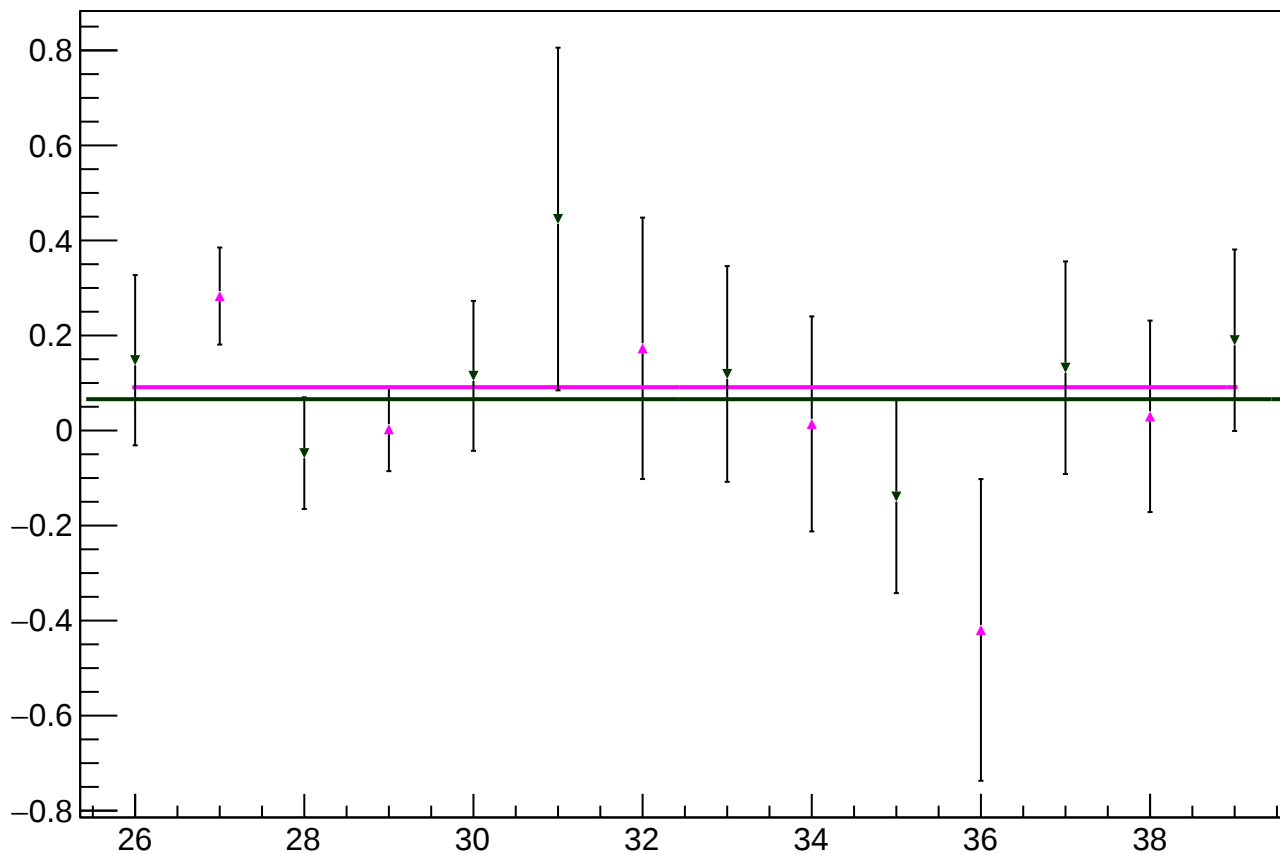
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 9.829+/-0.004  $\chi^2/\text{NDF}$ : 708365.0/5

9.677+/-0.004  $\chi^2/\text{NDF}$ : 561998.1/7

9.829+/-0.004  $\chi^2/\text{NDF}$ : 708365.0/5

# diff\_cav4dY\_mean vs slug



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

Left Out: 0.066 $\pm$ 0.064  $\chi^2$ /NDF: 3.9/7

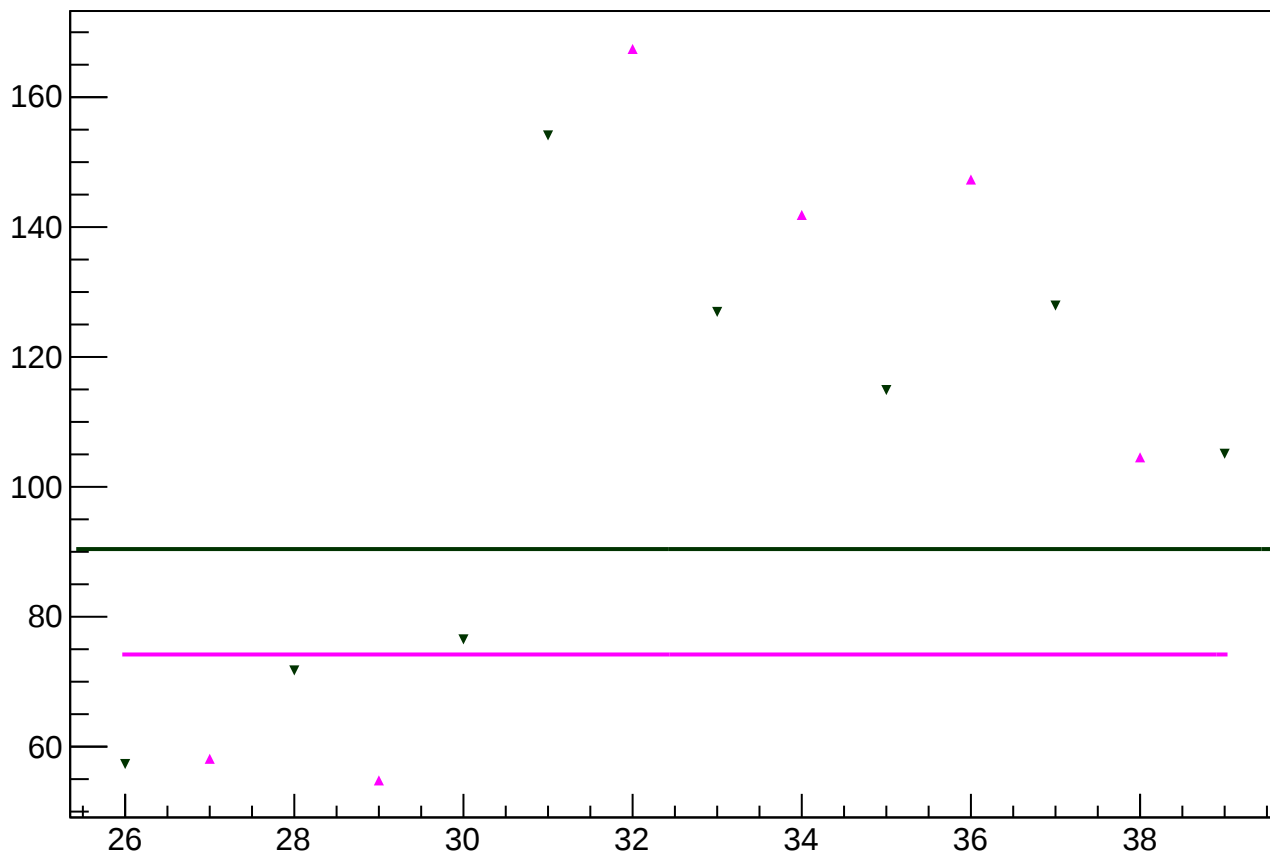
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.091 $\pm$ 0.059  $\chi^2$ /NDF: 7.4/5

0.066 $\pm$ 0.064  $\chi^2$ /NDF: 3.9/7

0.091 $\pm$ 0.059  $\chi^2$ /NDF: 7.4/5

# diff\_cav4dY\_rms vs slug



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

Left Out: 90.423+/-0.045  $\chi^2/\text{NDF}$ : 345558.1/7

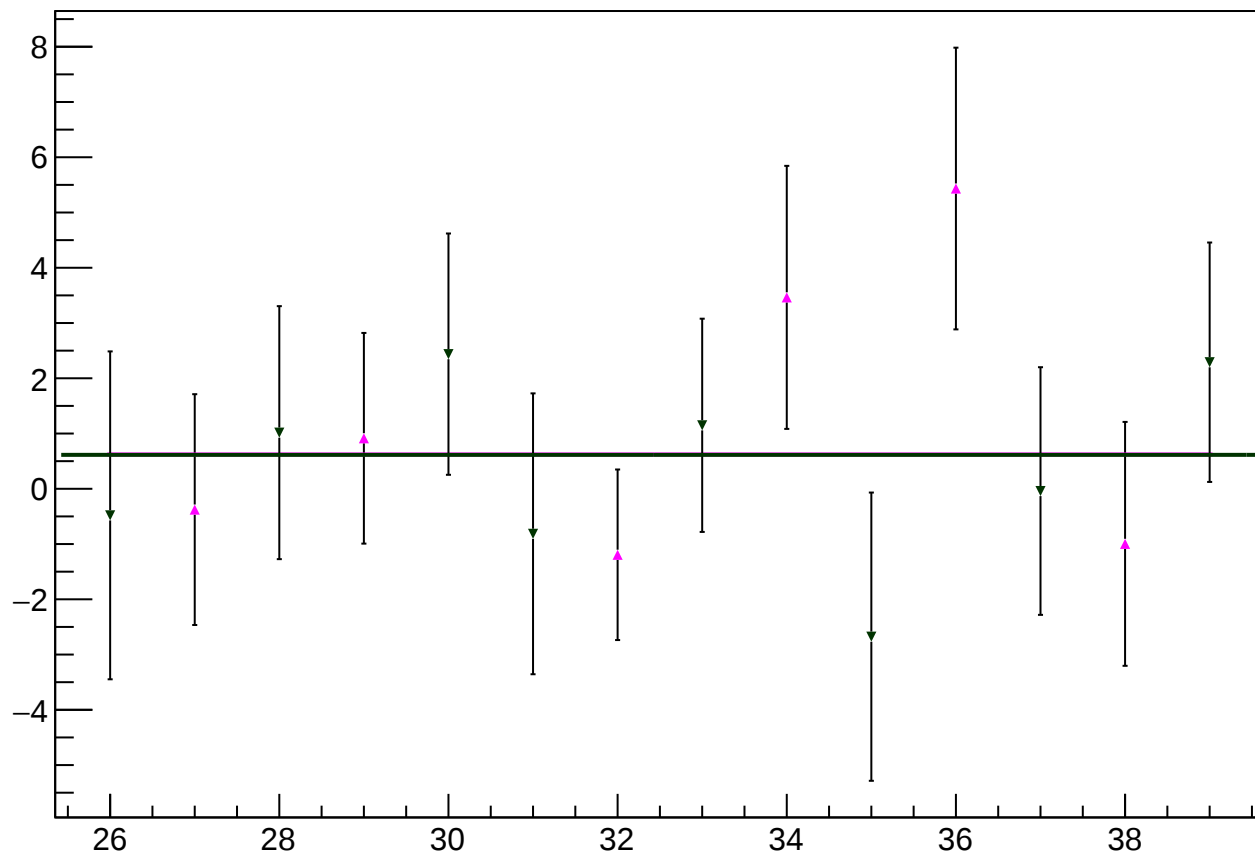
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 74.191+/-0.041  $\chi^2/\text{NDF}$ : 706190.2/5

90.423+/-0.045  $\chi^2/\text{NDF}$ : 345558.1/7

74.191+/-0.041  $\chi^2/\text{NDF}$ : 706190.2/5

# diff\_bpm4aX\_mean vs slug



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

Left Out: 0.614+/-0.817  $\chi^2/\text{NDF}$ : 3.5/7

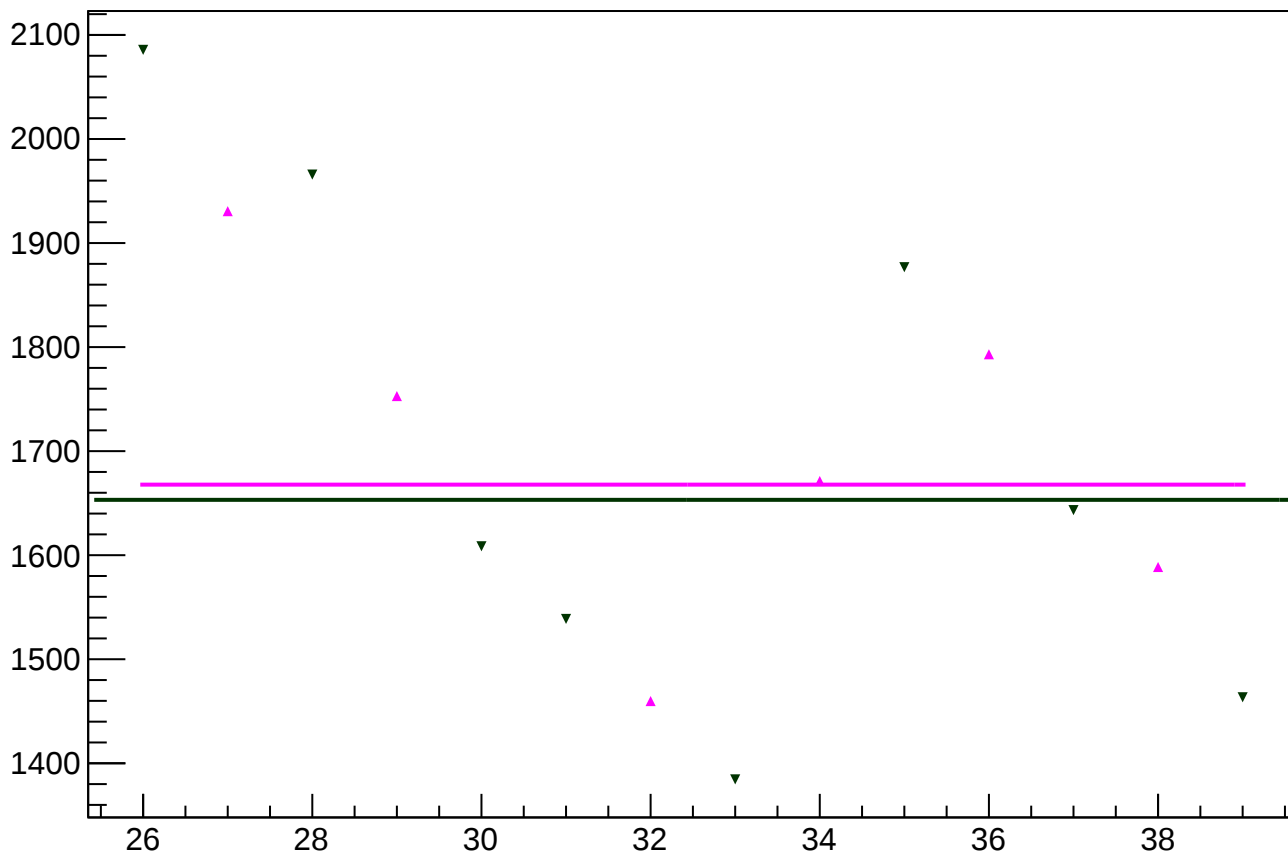
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.621+/-0.828  $\chi^2/\text{NDF}$ : 7.2/5

0.614+/-0.817  $\chi^2/\text{NDF}$ : 3.5/7

0.621+/-0.828  $\chi^2/\text{NDF}$ : 7.2/5

# diff\_bpm4aX\_rms vs slug



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

Left Out: 1653.195+/-0.578  $\chi^2/\text{NDF}$ :153537.1/7

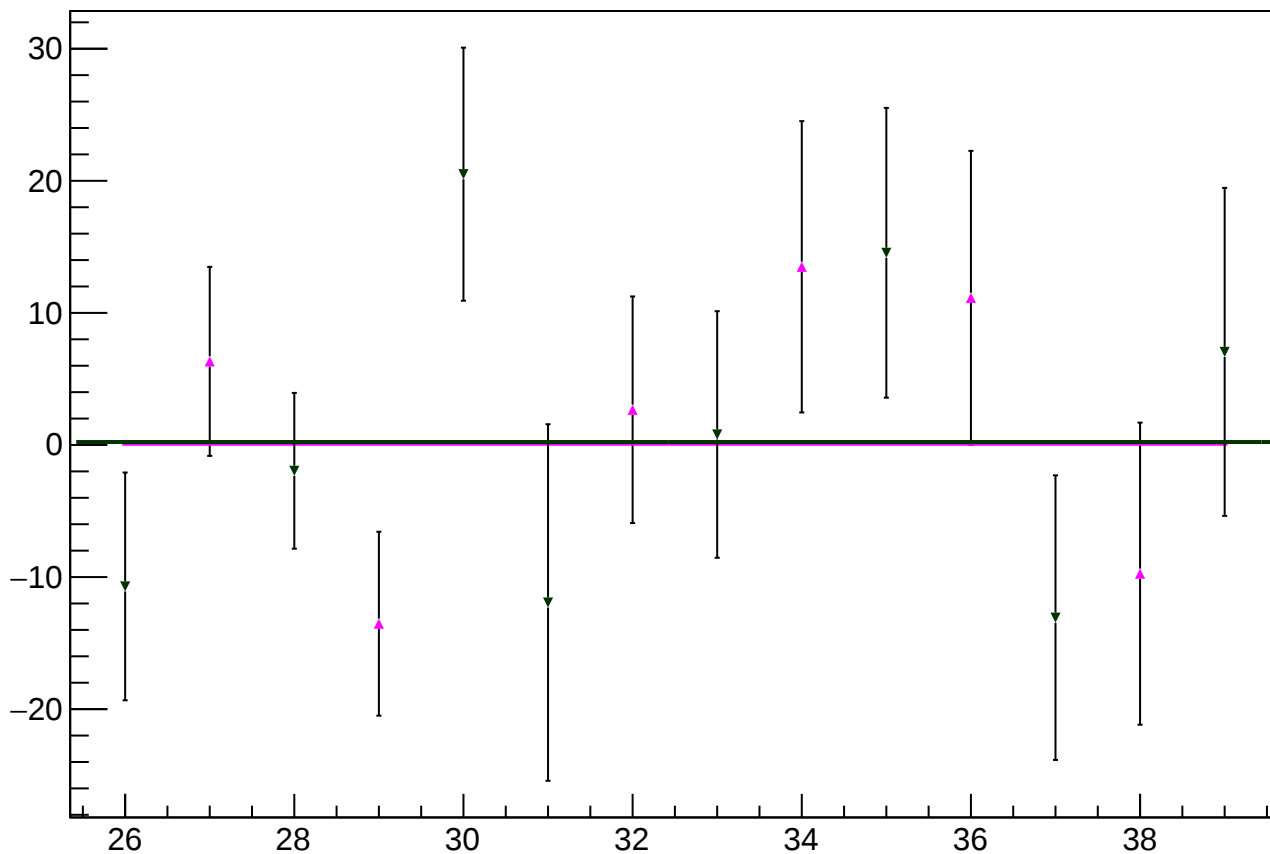
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1667.808+/-0.585  $\chi^2/\text{NDF}$ :79404.1/5

1653.195+/-0.578  $\chi^2/\text{NDF}$ : 153537.1/7

1667.808+/-0.585  $\chi^2/\text{NDF}$ : 79404.1/5

diff\_bpm4aY\_mean vs slug



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

Left Out: 0.224+/-3.271  $\chi^2/\text{NDF}$ :10.6/7

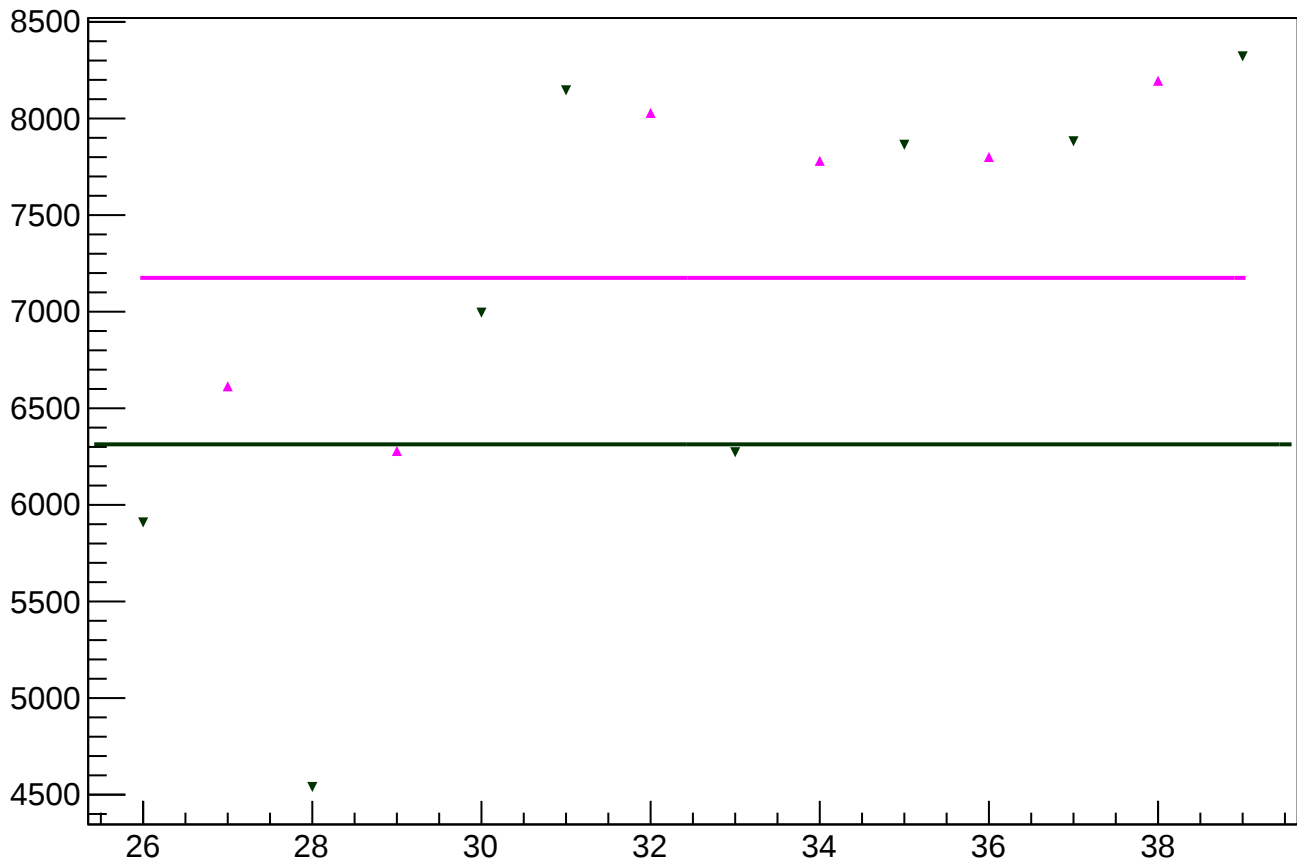
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.093+/-3.588  $\chi^2/\text{NDF}$ :7.9/5

0.224+/-3.271  $\chi^2/\text{NDF}$ : 10.6/7

0.093+/-3.588  $\chi^2/\text{NDF}$ : 7.9/5

diff\_bpm4aY\_rms vs slug



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

Left Out: 6313.376+/-2.313  $\chi^2/\text{NDF}$ : 367033.3/7

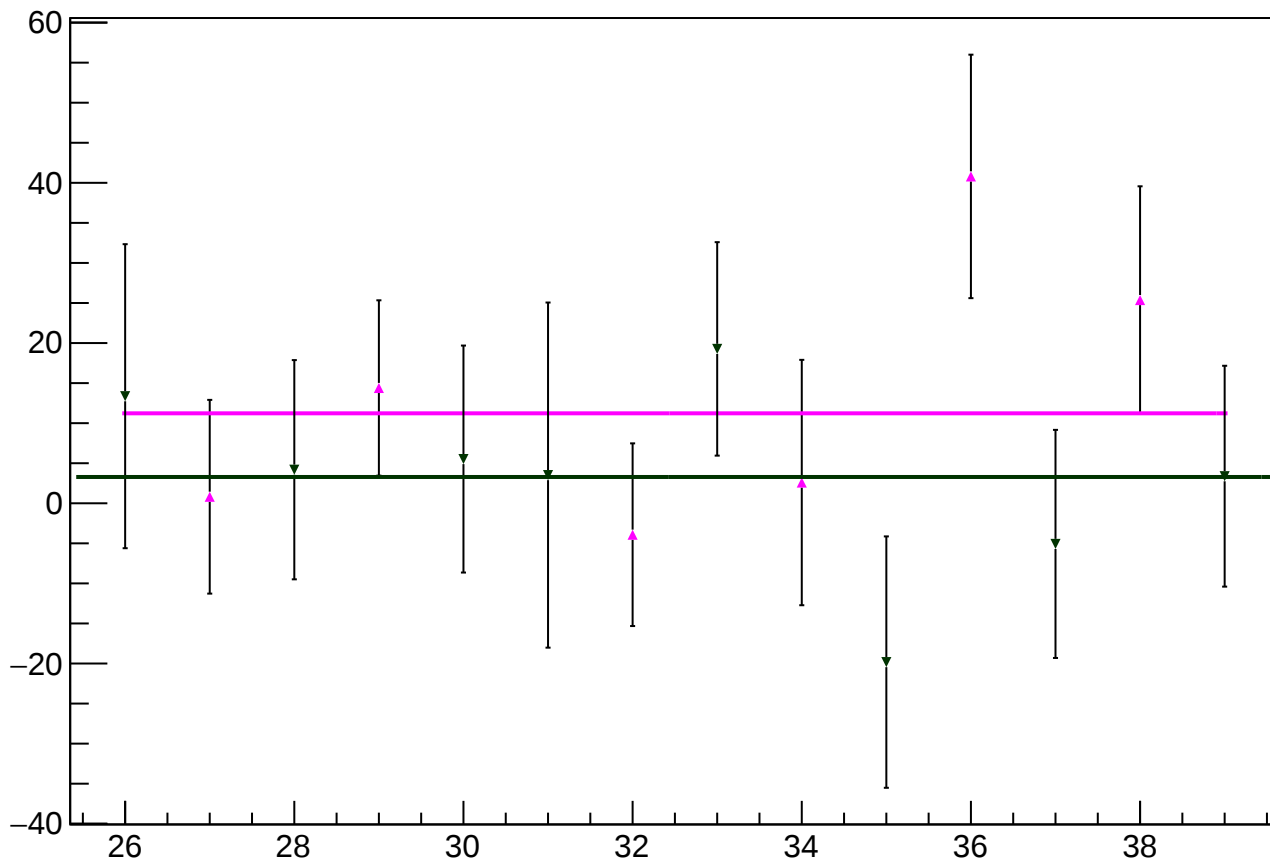
6313.376+/-2.313  $\chi^2/\text{NDF}$ : 367033.3/7

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

7175.154+/-2.537  $\chi^2/\text{NDF}$ : 93503.5/5

Left In: 7175.154+/-2.537  $\chi^2/\text{NDF}$ : 93503.5/5

# diff\_bpm4eX\_mean vs slug



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

Left Out: 3.283 $\pm$ 5.334  $\chi^2$ /NDF: 4.3/7

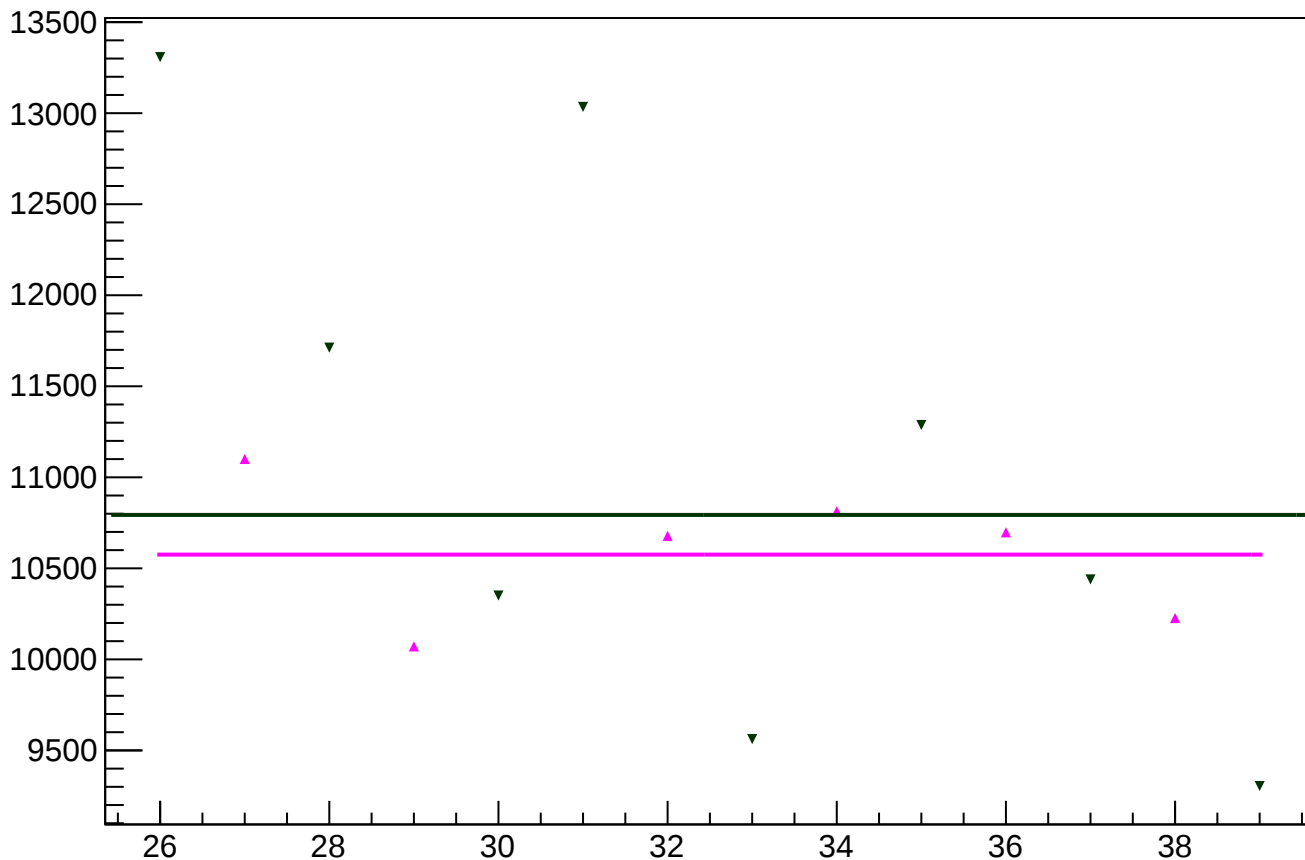
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 11.230 $\pm$ 5.238  $\chi^2$ /NDF: 7.7/5

3.283 $\pm$ 5.334  $\chi^2$ /NDF: 4.3/7

11.230 $\pm$ 5.238  $\chi^2$ /NDF: 7.7/5

# diff\_bpm4eX\_rms vs slug



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

Left Out: 10793.470+/-3.772  $\chi^2/\text{NDF}$ :111385.7/7

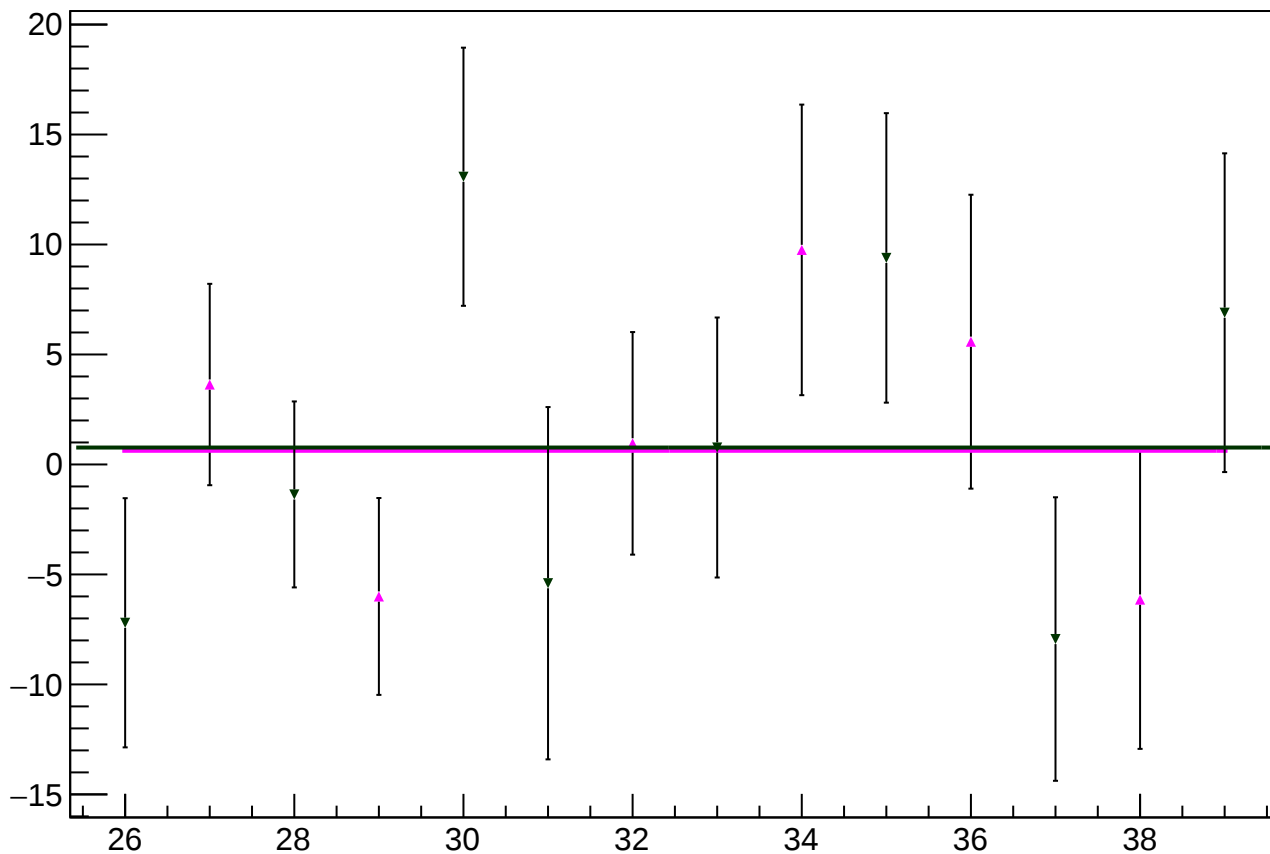
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 10575.388+/-3.704  $\chi^2/\text{NDF}$ :10002.3/5

10793.470+/-3.772  $\chi^2/\text{NDF}$ : 111385.7/7

10575.388+/-3.704  $\chi^2/\text{NDF}$ : 10002.3/5

# diff\_bpm4eY\_mean vs slug



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

Left Out: 0.769 $\pm$ 2.101  $\chi^2$ /NDF:11.5/7

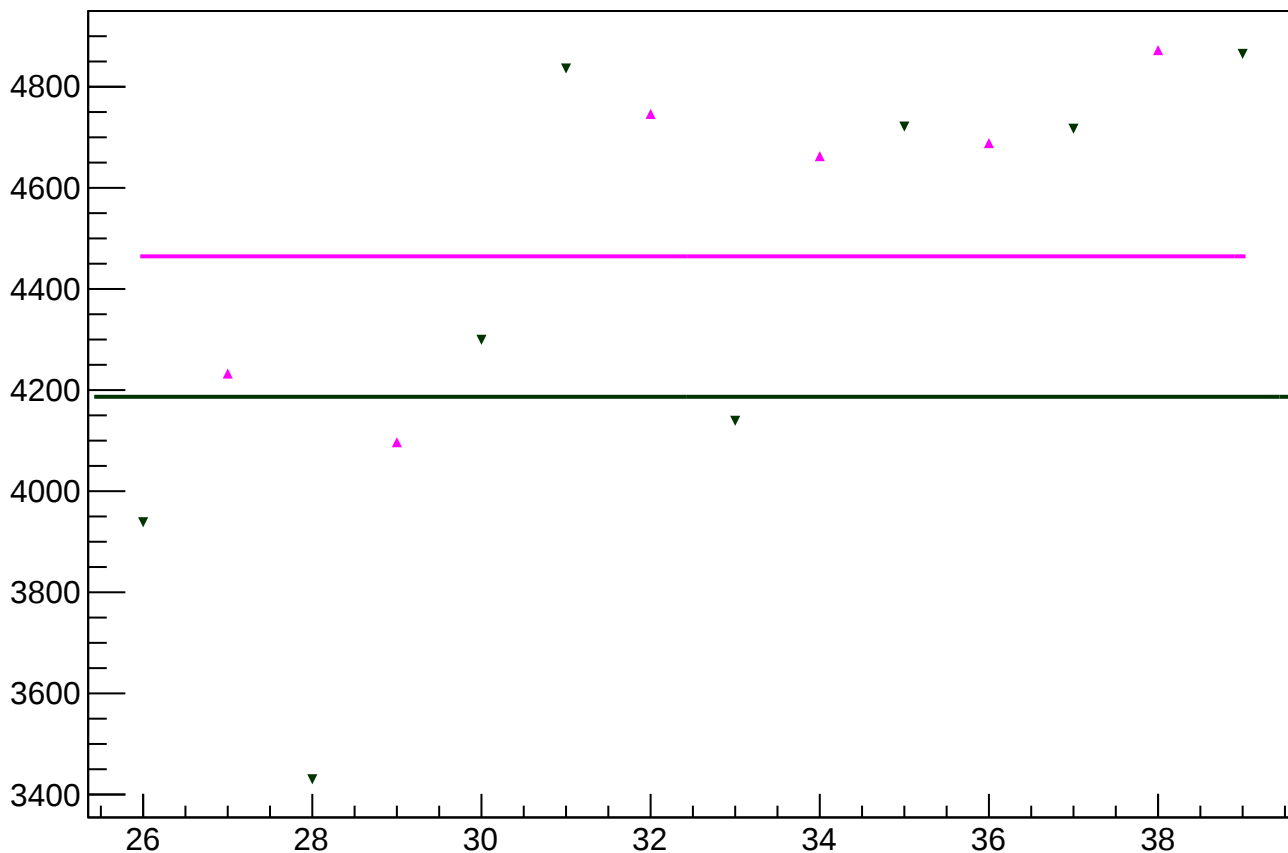
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.621 $\pm$ 2.215  $\chi^2$ /NDF:6.1/5

0.769 $\pm$ 2.101  $\chi^2$ /NDF: 11.5/7

0.621 $\pm$ 2.215  $\chi^2$ /NDF: 6.1/5

# diff\_bpm4eY\_rms vs slug



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

Left Out: 4186.742+/-1.485  $\chi^2$ /NDF:126175.9/7

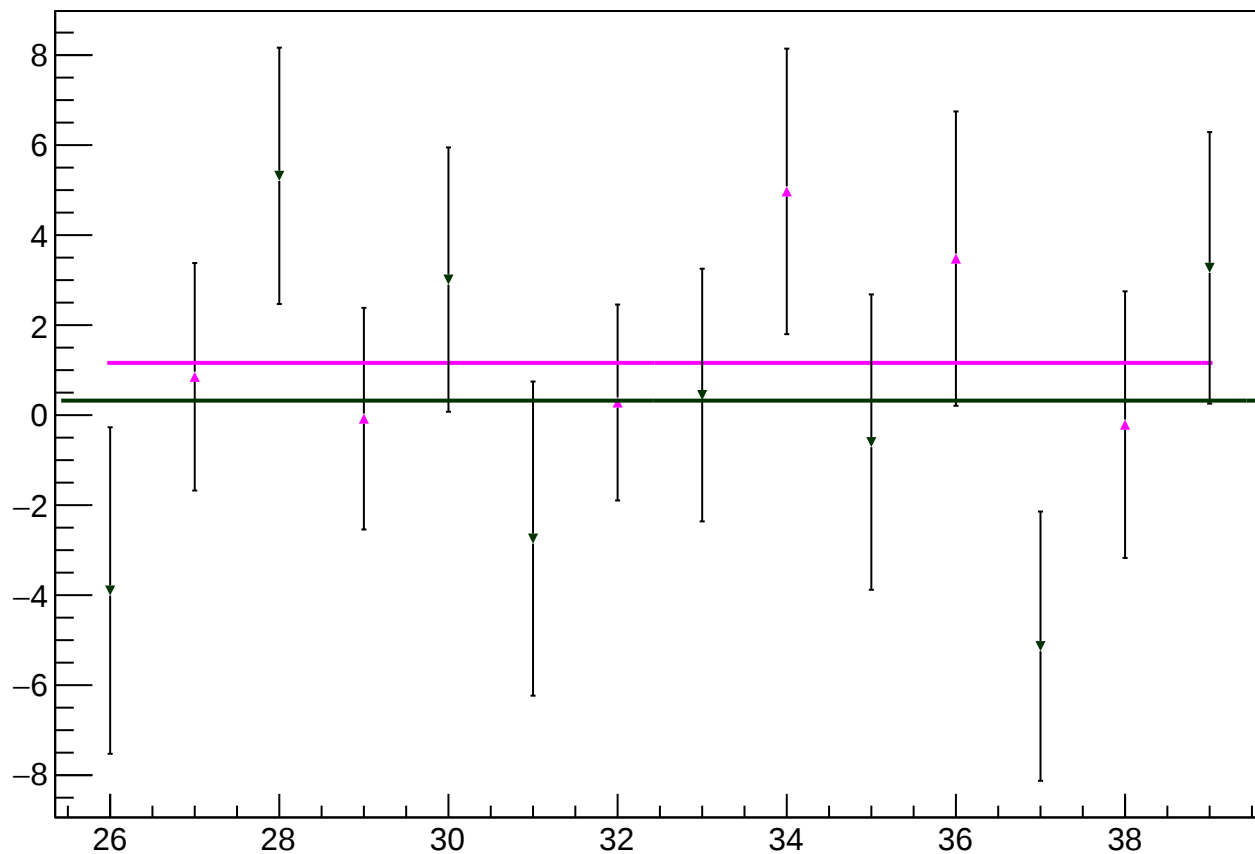
Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 4464.577+/-1.567  $\chi^2$ /NDF:36105.4/5

4186.742+/-1.485  $\chi^2$ /NDF: 126175.9/7

4464.577+/-1.567  $\chi^2$ /NDF: 36105.4/5

# diff\_bpm4acX\_mean vs slug



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

Left Out: 0.323 $\pm$ 1.092  $\chi^2$ /NDF:10.4/7

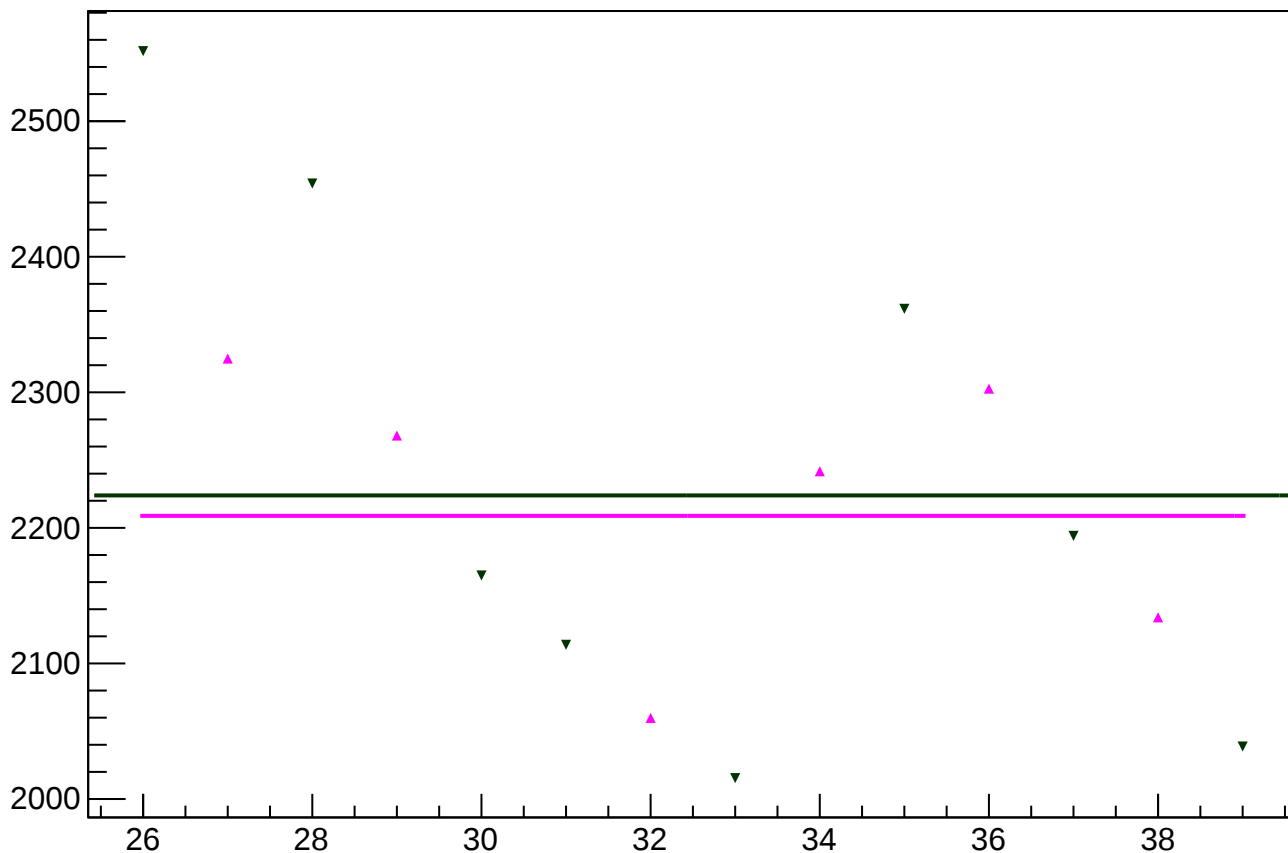
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 1.161 $\pm$ 1.091  $\chi^2$ /NDF:2.6/5

0.323 $\pm$ 1.092  $\chi^2$ /NDF: 10.4/7

1.161 $\pm$ 1.091  $\chi^2$ /NDF: 2.6/5

# diff\_bpm4acX\_rms vs slug



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

Left Out: 2223.949+/-0.772  $\chi^2/\text{NDF}$ : 54472.7/7

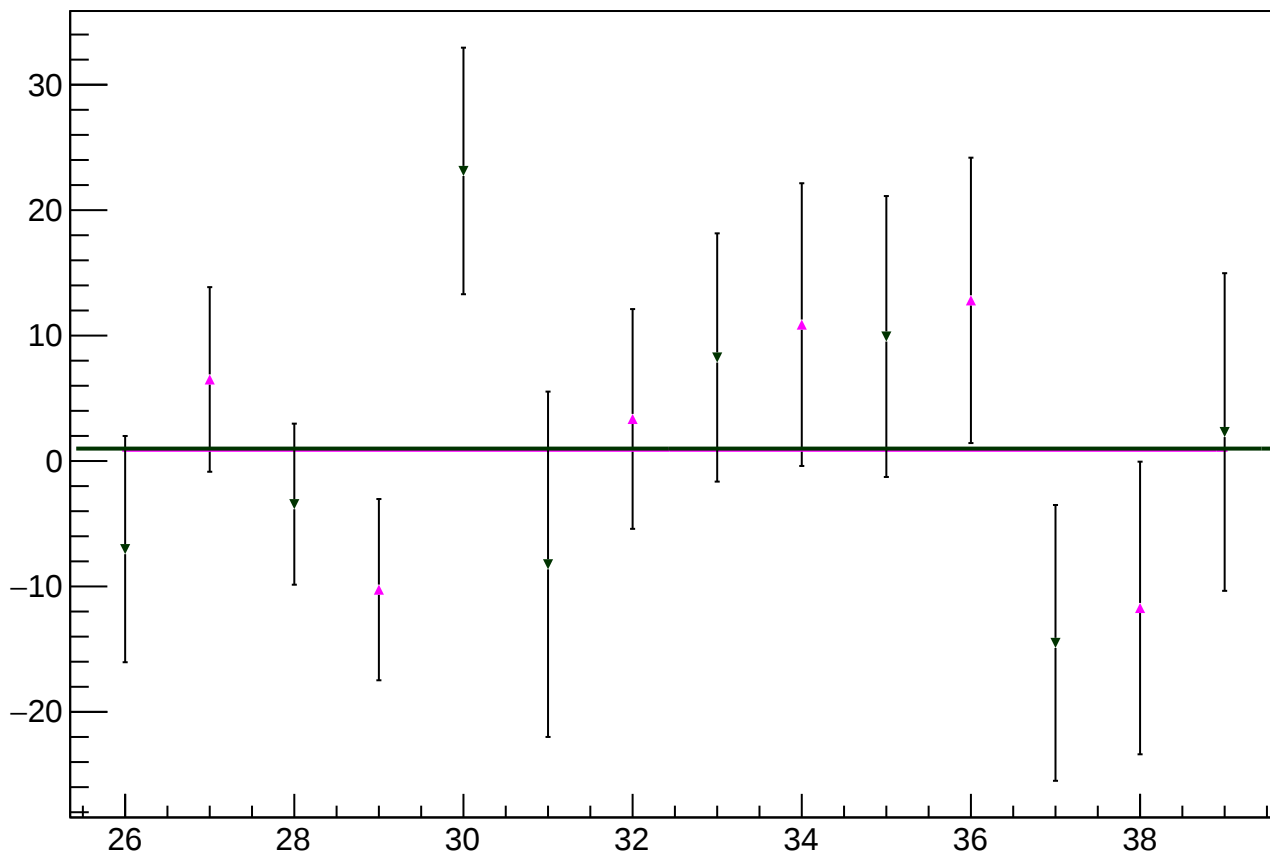
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2208.879+/-0.772  $\chi^2/\text{NDF}$ : 17890.1/5

2223.949+/-0.772  $\chi^2/\text{NDF}$ : 54472.7/7

2208.879+/-0.772  $\chi^2/\text{NDF}$ : 17890.1/5

diff\_bpm4acY\_mean vs slug



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

Left Out: 0.990+/-3.432  $\chi^2/\text{NDF}$ :10.0/7

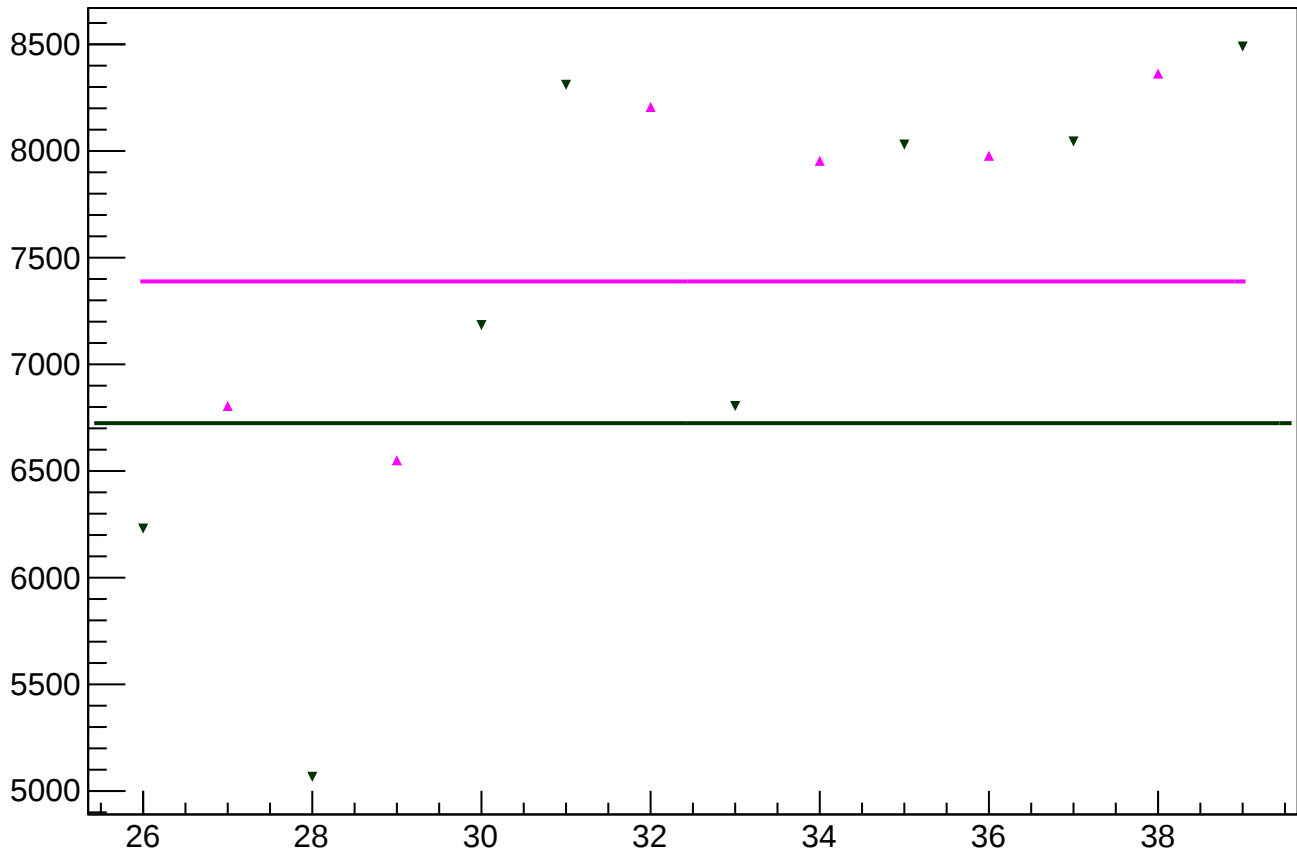
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.894+/-3.686  $\chi^2/\text{NDF}$ :6.1/5

0.990+/-3.432  $\chi^2/\text{NDF}$ : 10.0/7

0.894+/-3.686  $\chi^2/\text{NDF}$ : 6.1/5

# diff\_bpm4acY\_rms vs slug



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

6724.318+/-2.427  $\chi^2/\text{NDF}$ : 265288.7/7

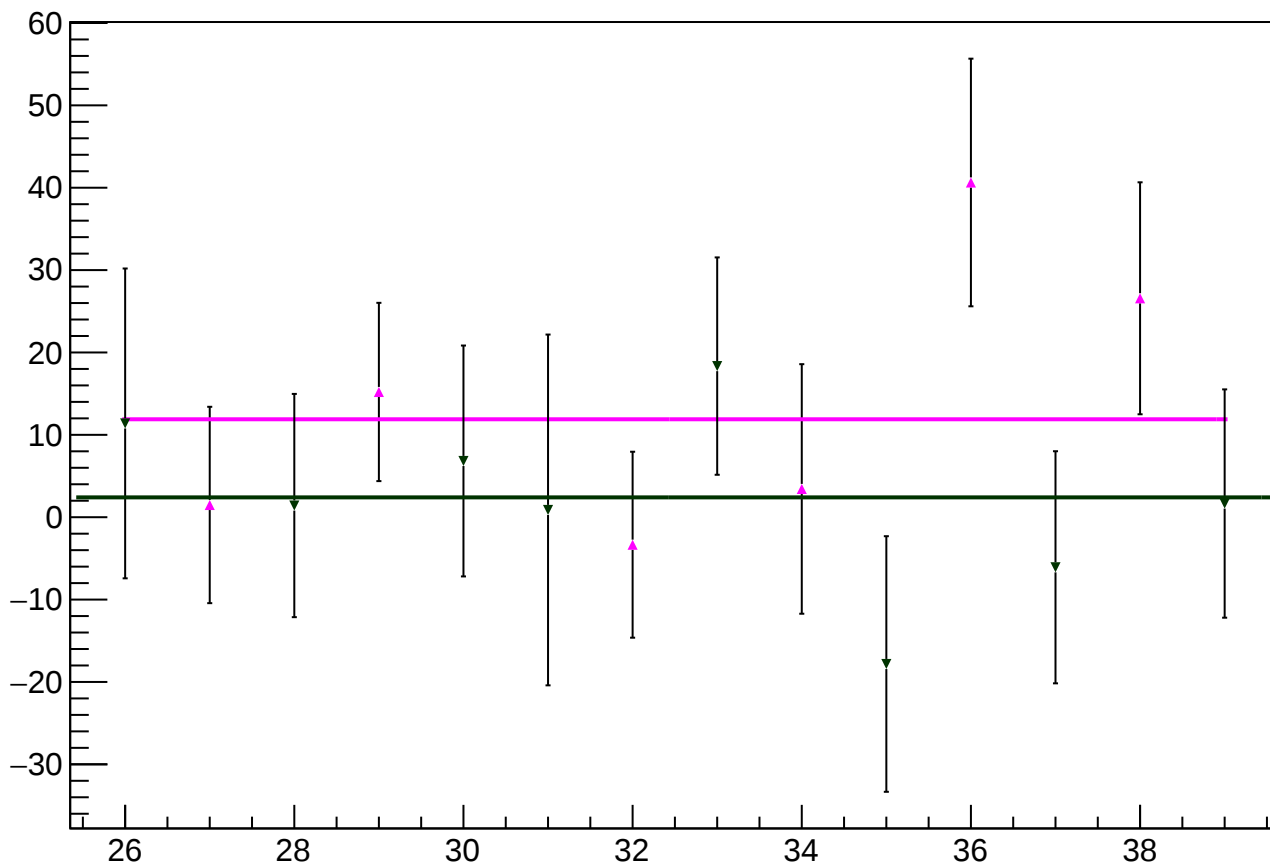
Left Out: 6724.318+/-2.427  $\chi^2/\text{NDF}$ : 265288.7/7

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

7388.589+/-2.607  $\chi^2/\text{NDF}$ : 81253.7/5

Left In: 7388.589+/-2.607  $\chi^2/\text{NDF}$ : 81253.7/5

# diff\_bpm4ecX\_mean vs slug



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

Left Out: 2.407+/-5.292  $\chi^2/\text{NDF}$ : 3.9/7

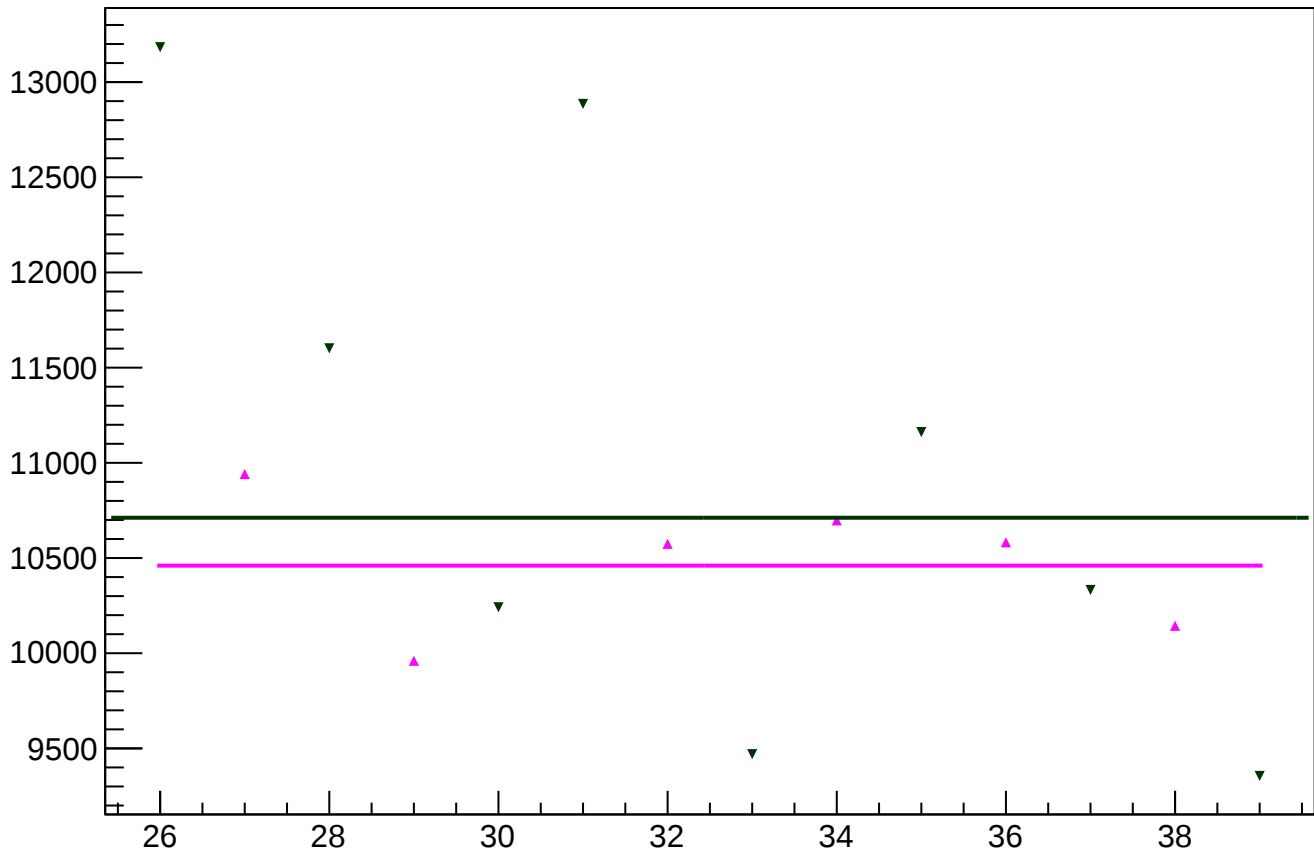
2.407+/-5.292  $\chi^2/\text{NDF}$ : 3.9/7

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

Left In: 11.889+/-5.181  $\chi^2/\text{NDF}$ : 7.7/5

11.889+/-5.181  $\chi^2/\text{NDF}$ : 7.7/5

# diff\_bpm4ecX\_rms vs slug



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

Left Out: 10711.614+/-3.742  $\chi^2/\text{NDF}$ :106268.1/7

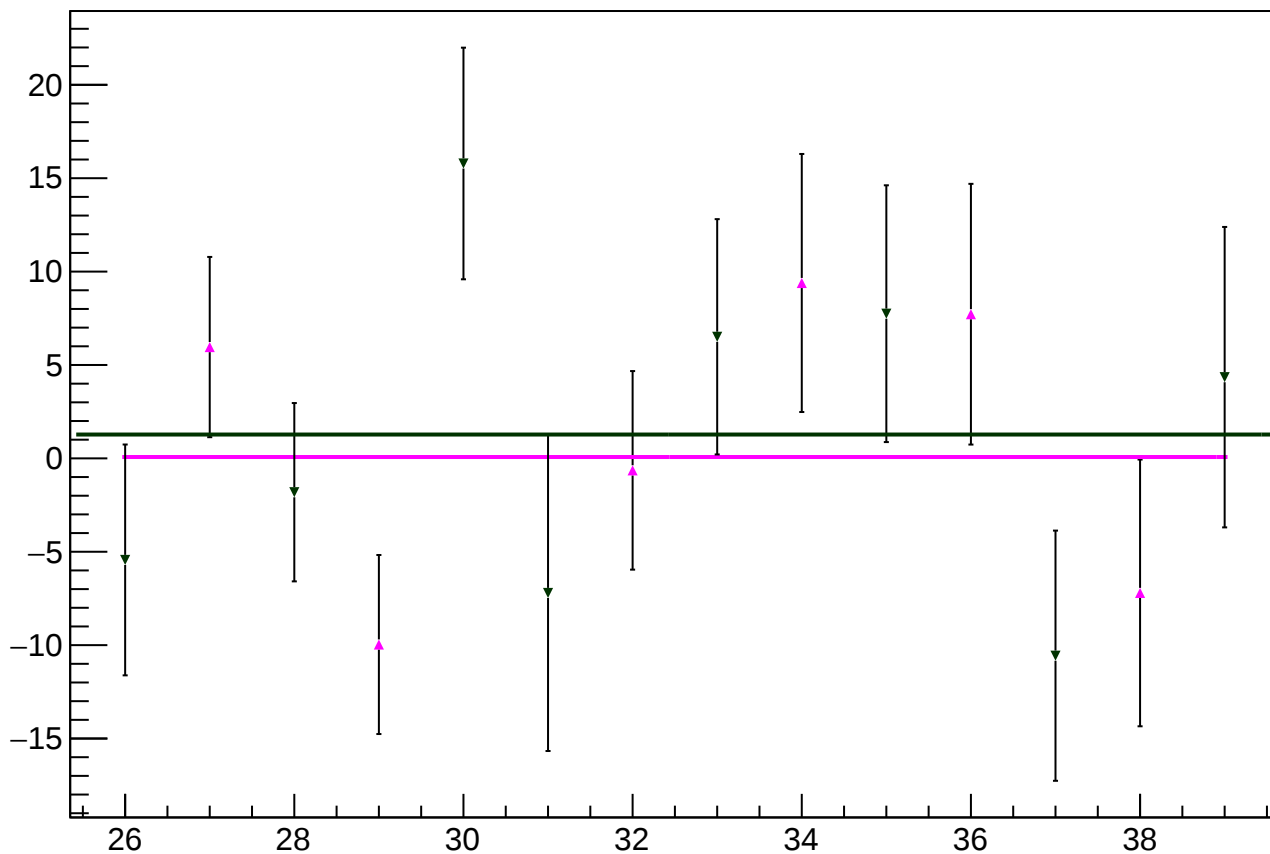
10711.614+/-3.742  $\chi^2/\text{NDF}$ : 106268.1/7

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

10460.141+/-3.664  $\chi^2/\text{NDF}$ : 9369.3/5

Left In: 10460.141+/-3.664  $\chi^2/\text{NDF}$ :9369.3/5

diff\_bpm4ecY\_mean vs slug



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

Left Out: 1.276 $\pm$ 2.270  $\chi^2$ /NDF:12.9/7

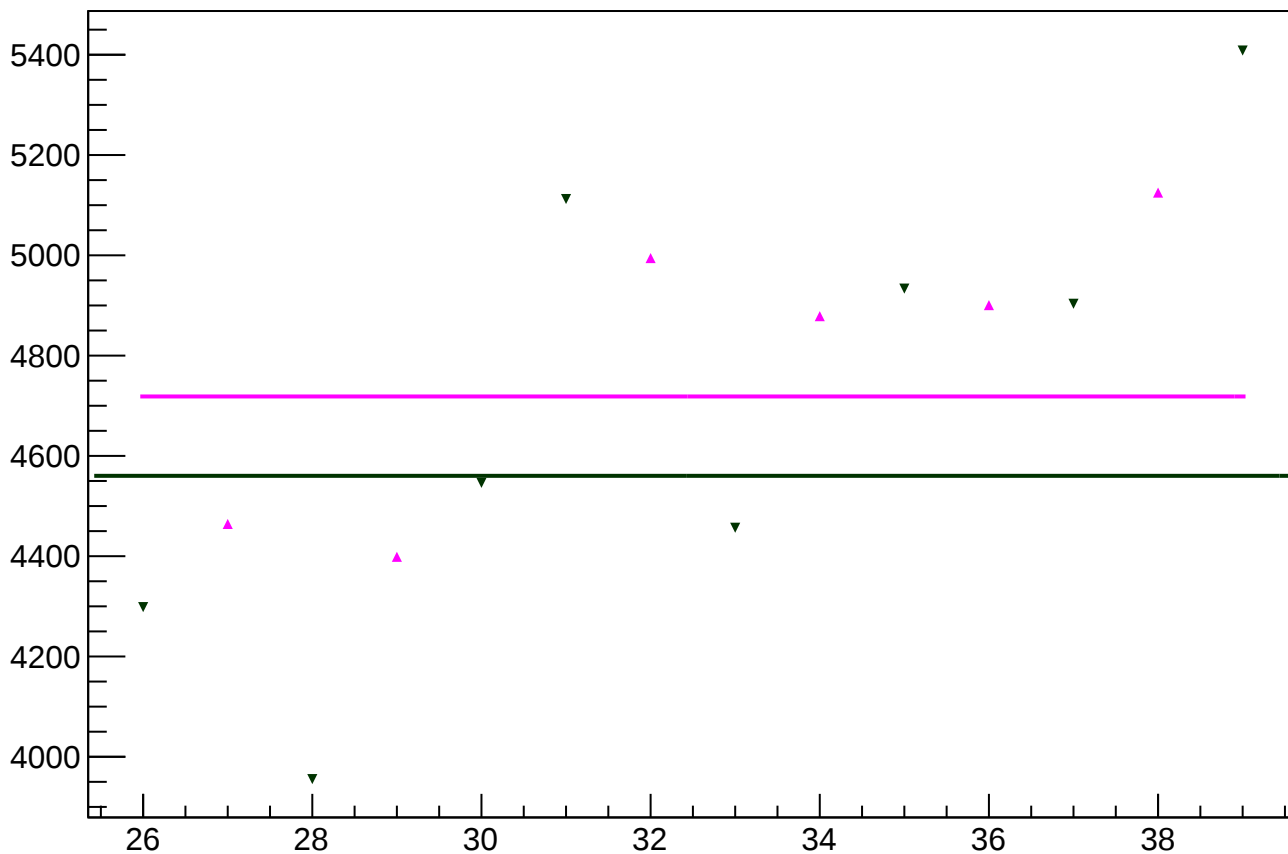
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.073 $\pm$ 2.338  $\chi^2$ /NDF:10.0/5

1.276 $\pm$ 2.270  $\chi^2$ /NDF: 12.9/7

0.073 $\pm$ 2.338  $\chi^2$ /NDF: 10.0/5

# diff\_bpm4ecY\_rms vs slug



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

Left Out: 4560.269+/-1.605  $\chi^2/\text{NDF}$ : 78137.7/7

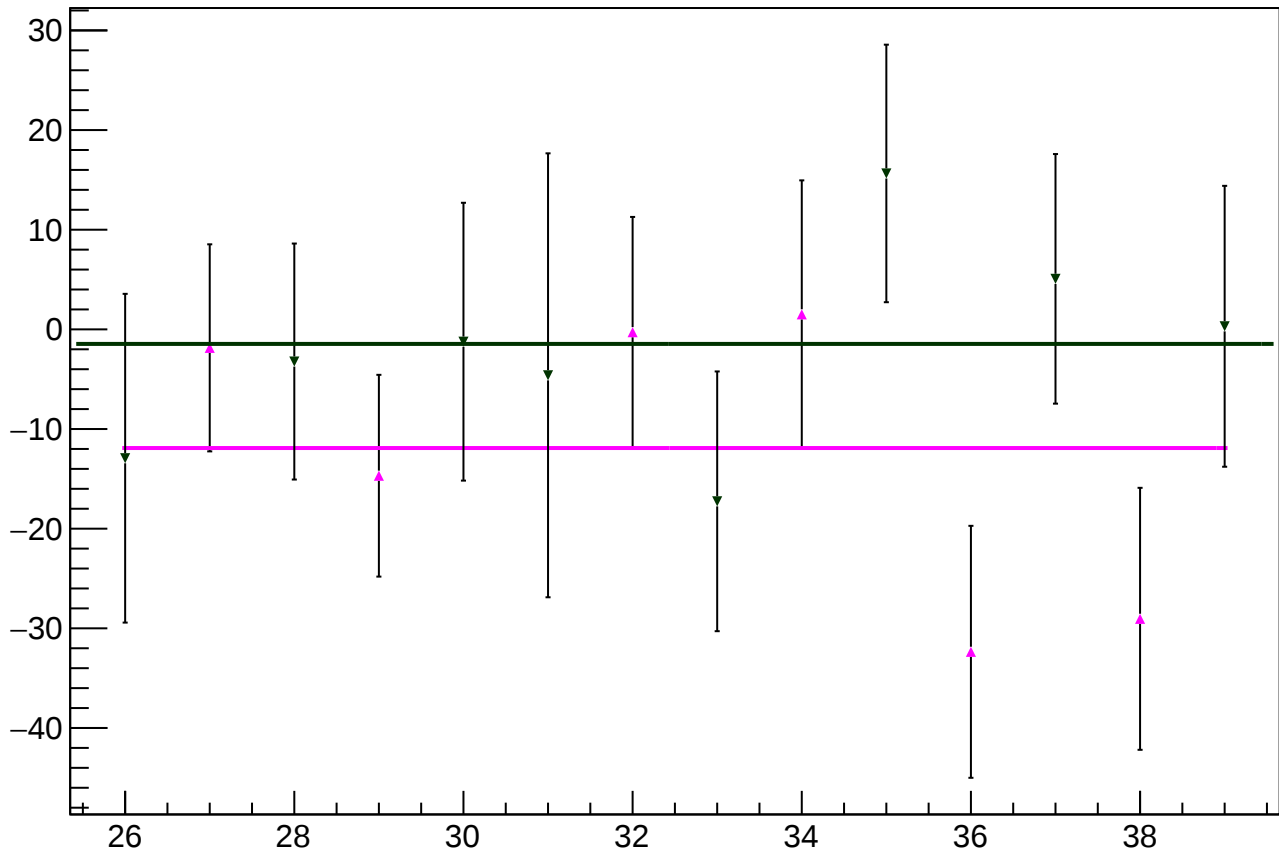
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 4718.531+/-1.653  $\chi^2/\text{NDF}$ : 28761.8/5

4560.269+/-1.605  $\chi^2/\text{NDF}$ : 78137.7/7

4718.531+/-1.653  $\chi^2/\text{NDF}$ : 28761.8/5

# diff\_bpm1X\_mean vs slug



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

Left Out: -1.460+/-4.923     $\chi^2/\text{NDF}$ : 4.0/7

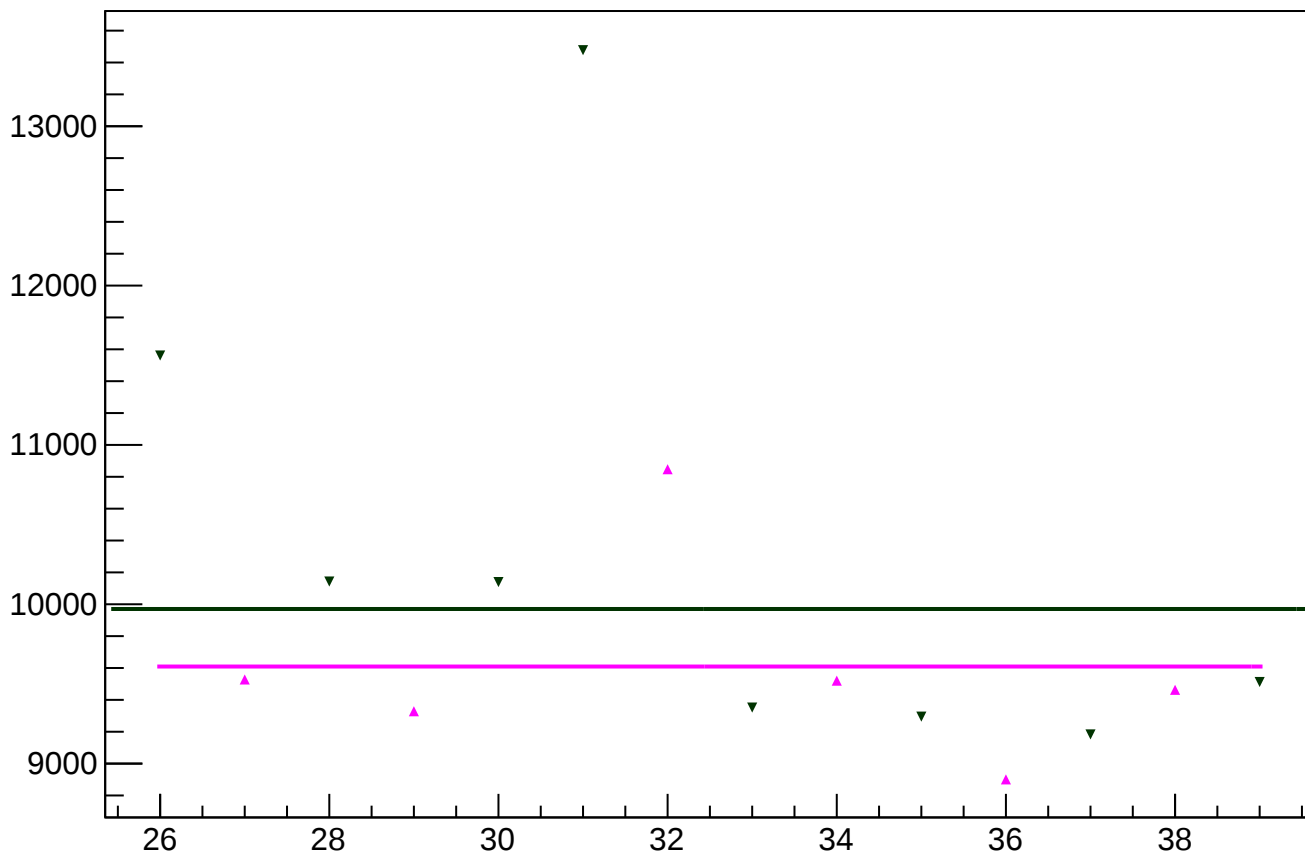
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: -11.908+/-4.763     $\chi^2/\text{NDF}$ : 7.3/5

-1.460+/-4.923     $\chi^2/\text{NDF}$ : 4.0/7

-11.908+/-4.763     $\chi^2/\text{NDF}$ : 7.3/5

# diff\_bpm1X\_rms vs slug



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

Left Out: 9970.328+/-3.481  $\chi^2/\text{NDF}$ : 88891.1/7

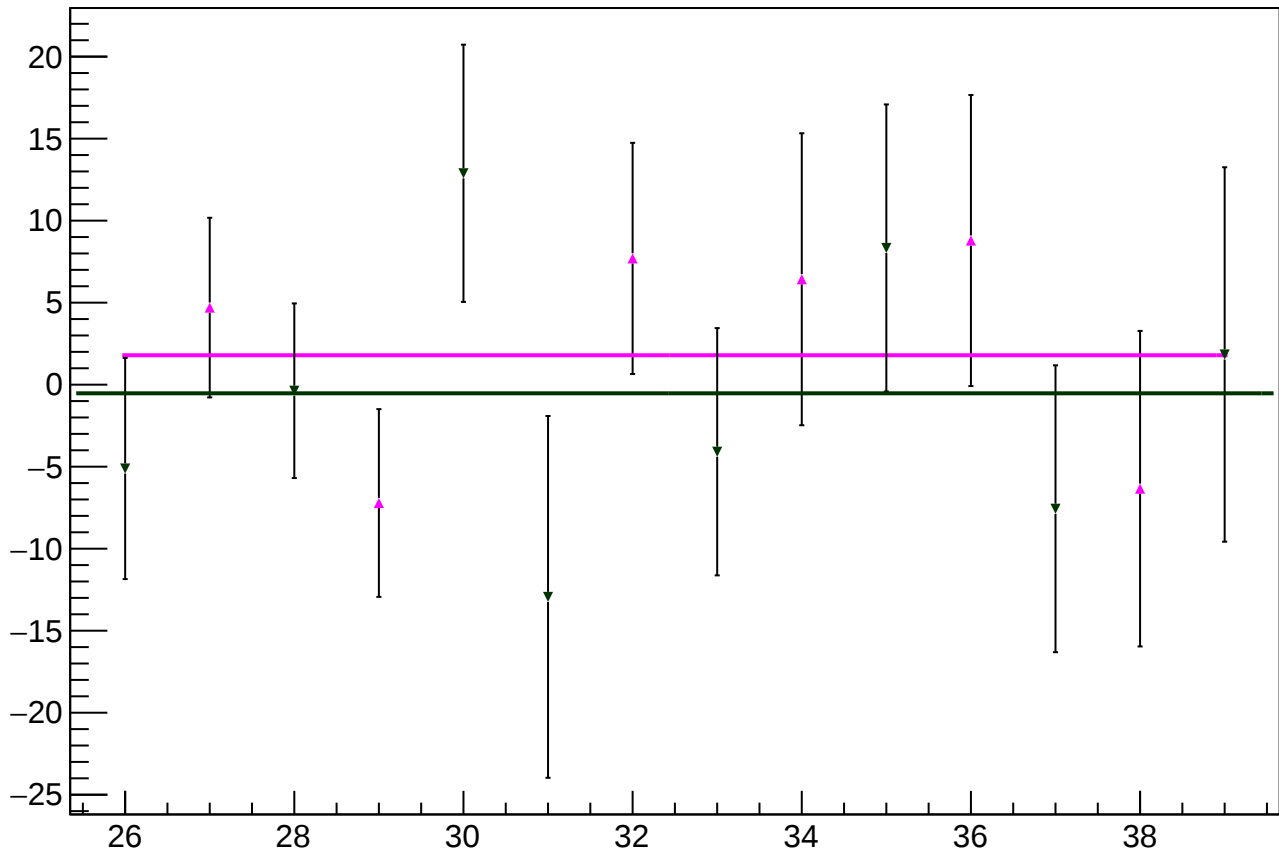
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 9609.208+/-3.368  $\chi^2/\text{NDF}$ : 31196.5/5

9970.328+/-3.481  $\chi^2/\text{NDF}$ : 88891.1/7

9609.208+/-3.368  $\chi^2/\text{NDF}$ : 31196.5/5

# diff\_bpm1Y\_mean vs slug



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

Left Out: -0.527+/-2.740     $\chi^2/\text{NDF}$ : 6.6/7

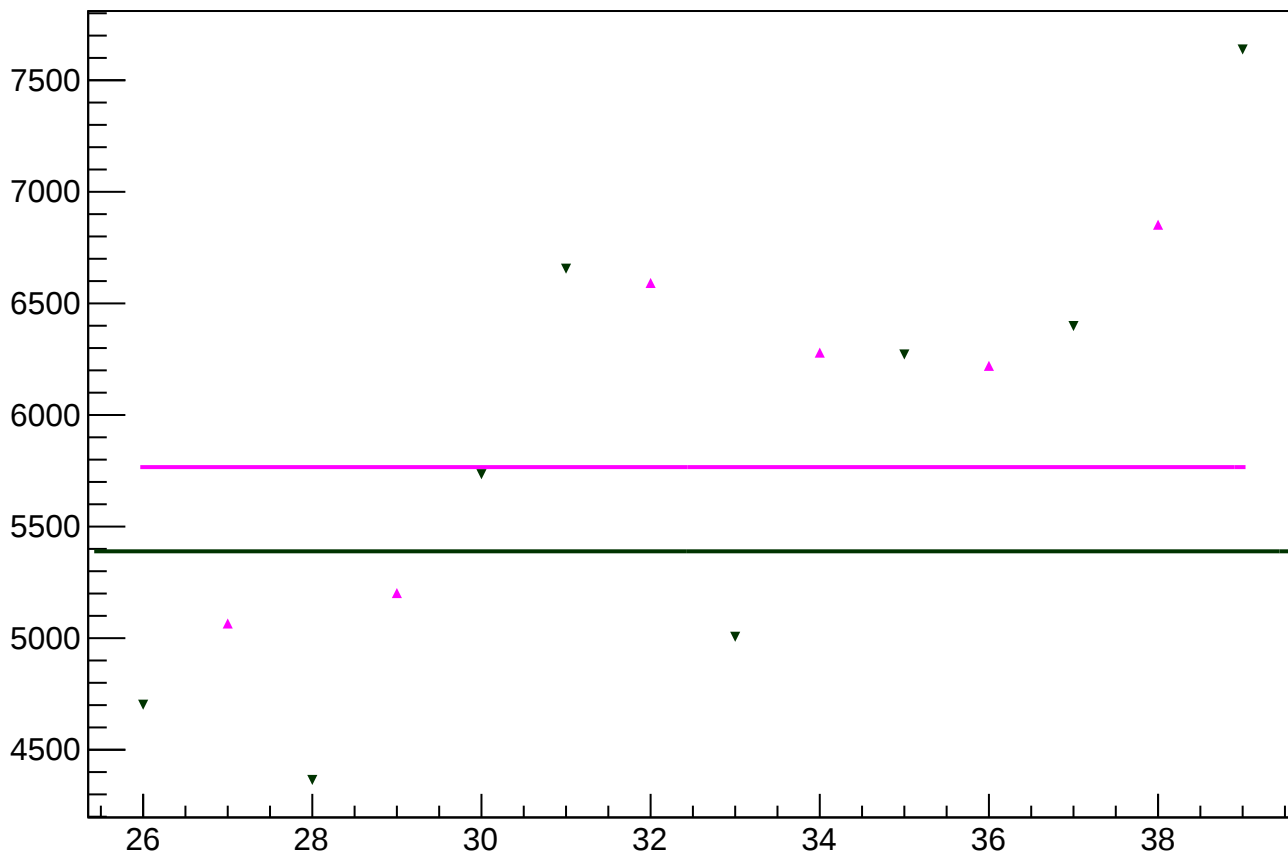
-0.527+/-2.740     $\chi^2/\text{NDF}$ : 6.6/7

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

Left In: 1.795+/-2.885     $\chi^2/\text{NDF}$ : 5.1/5

1.795+/-2.885     $\chi^2/\text{NDF}$ : 5.1/5

# diff\_bpm1Y\_rms vs slug



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

Left Out: 5389.175+/-1.938  $\chi^2/\text{NDF}$ : 254844.7/7

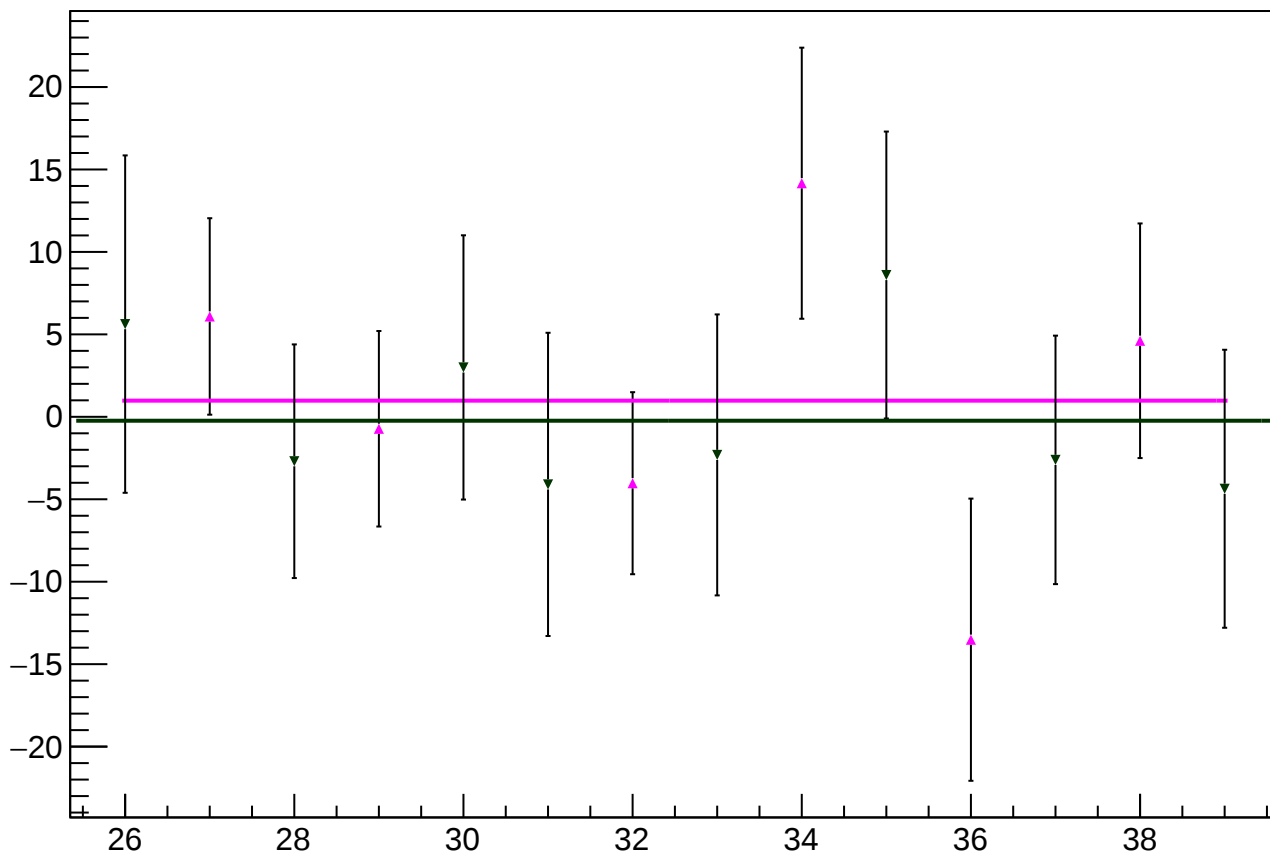
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 5766.496+/-2.040  $\chi^2/\text{NDF}$ : 116983.5/5

5389.175+/-1.938  $\chi^2/\text{NDF}$ : 254844.7/7

5766.496+/-2.040  $\chi^2/\text{NDF}$ : 116983.5/5

# diff\_bpm11X\_mean vs slug



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

Left Out: -0.237+/-2.942     $\chi^2/\text{NDF}$ : 2.2/7

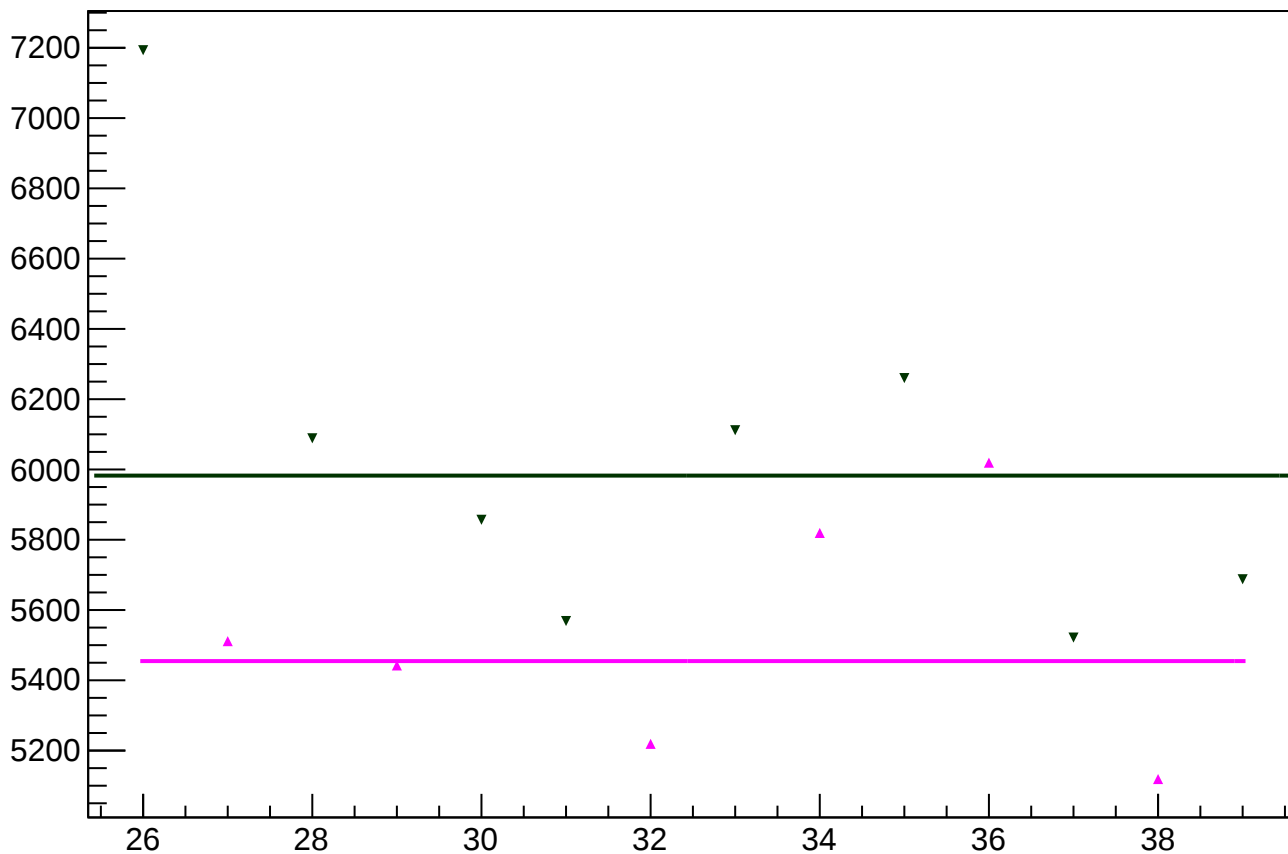
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.980+/-2.695     $\chi^2/\text{NDF}$ : 7.3/5

-0.237+/-2.942     $\chi^2/\text{NDF}$ : 2.2/7

0.980+/-2.695     $\chi^2/\text{NDF}$ : 7.3/5

# diff\_bpm11X\_rms vs slug



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

Left Out: 5982.556+/-2.080  $\chi^2/\text{NDF}$ : 45428.9/7

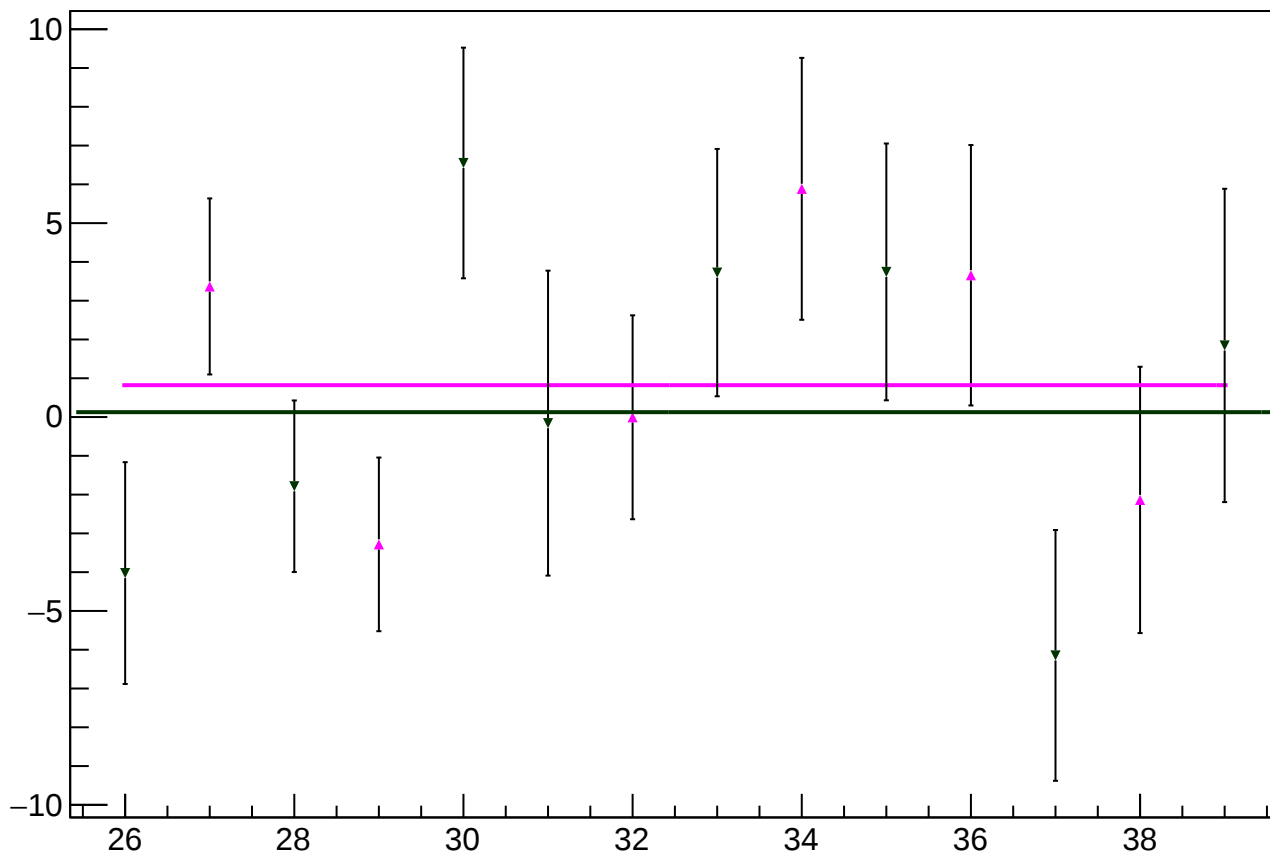
5982.556+/-2.080  $\chi^2/\text{NDF}$ : 45428.9/7

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

5454.658+/-1.906  $\chi^2/\text{NDF}$ : 20931.3/5

Left In: 5454.658+/-1.906  $\chi^2/\text{NDF}$ : 20931.3/5

# diff\_bpm11Y\_mean vs slug



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

Left Out: 0.126+/-1.084  $\chi^2/\text{NDF}$ :13.9/7

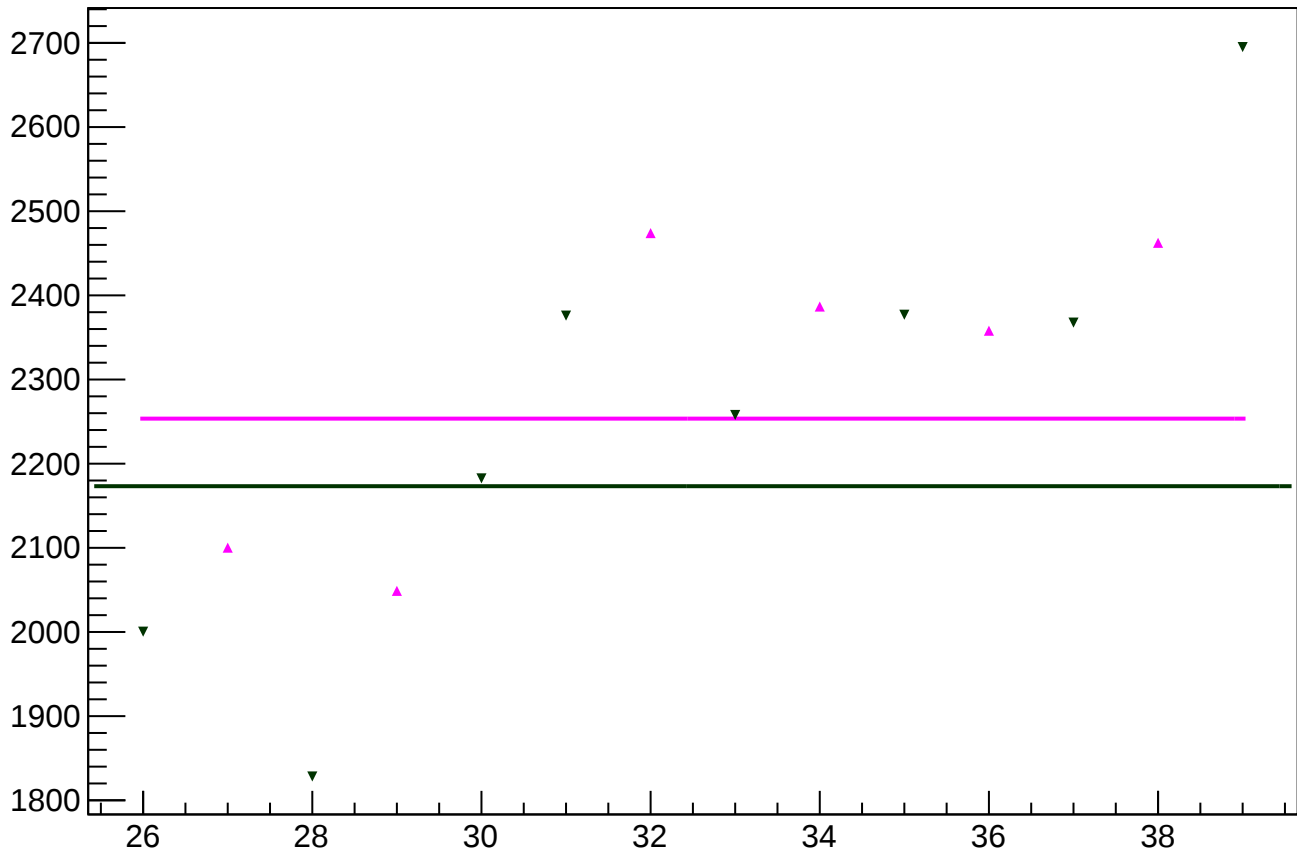
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.822+/-1.118  $\chi^2/\text{NDF}$ :8.4/5

0.126+/-1.084  $\chi^2/\text{NDF}$ : 13.9/7

0.822+/-1.118  $\chi^2/\text{NDF}$ : 8.4/5

# diff\_bpm11Y\_rms vs slug



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

Left Out: 2173.240+/-0.767  $\chi^2/\text{NDF}$ : 110874.1/7

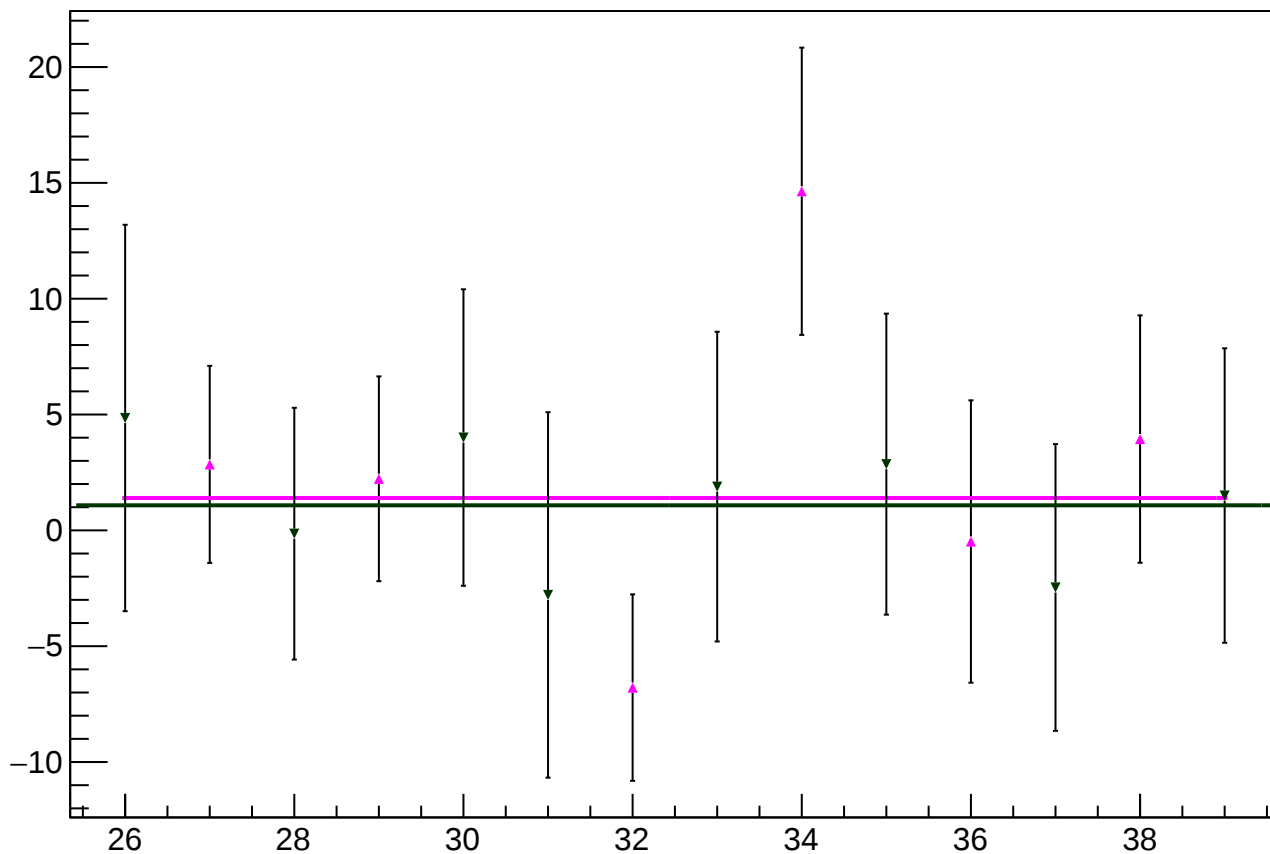
2173.240+/-0.767  $\chi^2/\text{NDF}$ : 110874.1/7

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

2253.529+/-0.791  $\chi^2/\text{NDF}$ : 52352.4/5

Left In: 2253.529+/-0.791  $\chi^2/\text{NDF}$ : 52352.4/5

# diff\_bpm12X\_mean vs slug



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

Left Out: 1.081 $\pm$ 2.321  $\chi^2$ /NDF: 1.1/7

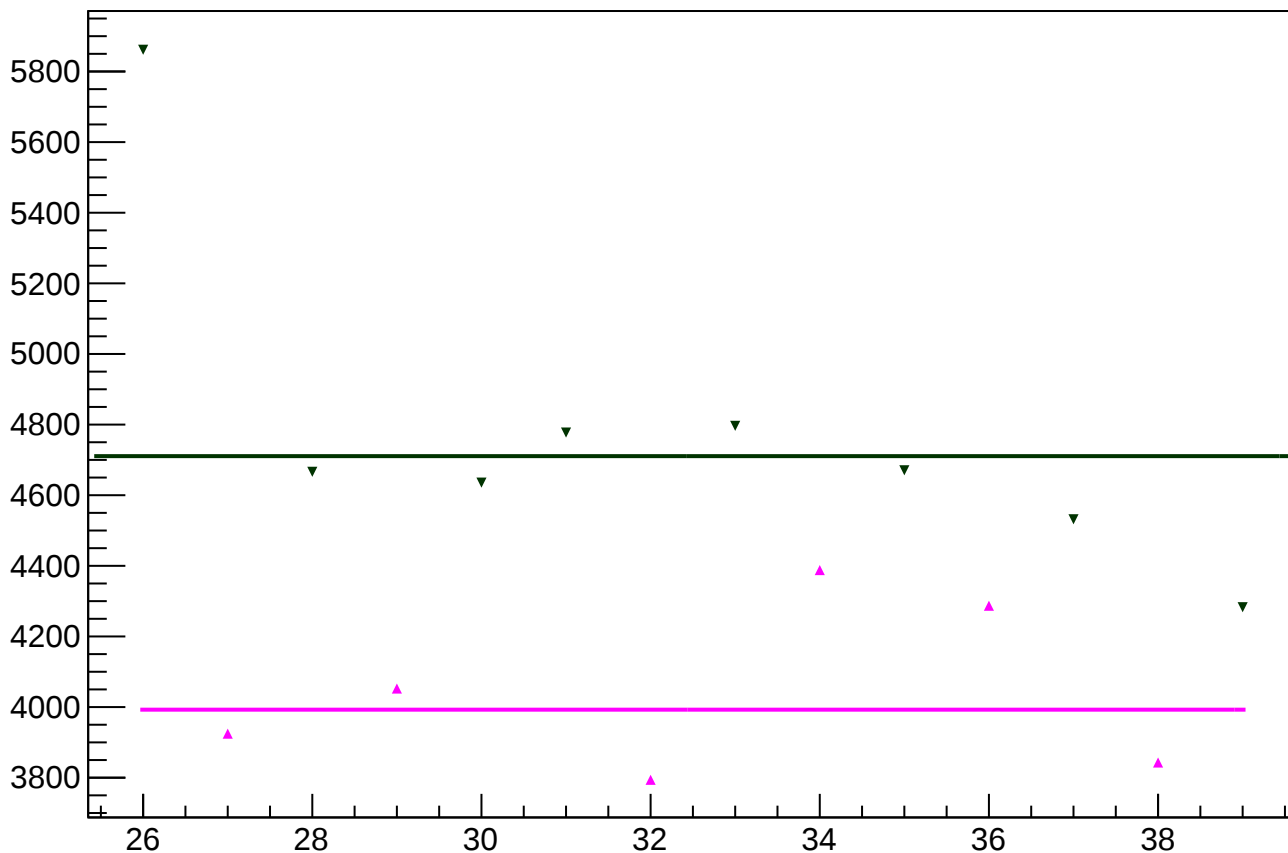
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 1.398 $\pm$ 1.975  $\chi^2$ /NDF: 9.2/5

1.081 $\pm$ 2.321  $\chi^2$ /NDF: 1.1/7

1.398 $\pm$ 1.975  $\chi^2$ /NDF: 9.2/5

# diff\_bpm12X\_rms vs slug



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

Left Out: 4710.655+/-1.641  $\chi^2/\text{NDF}$ : 49773.2/7

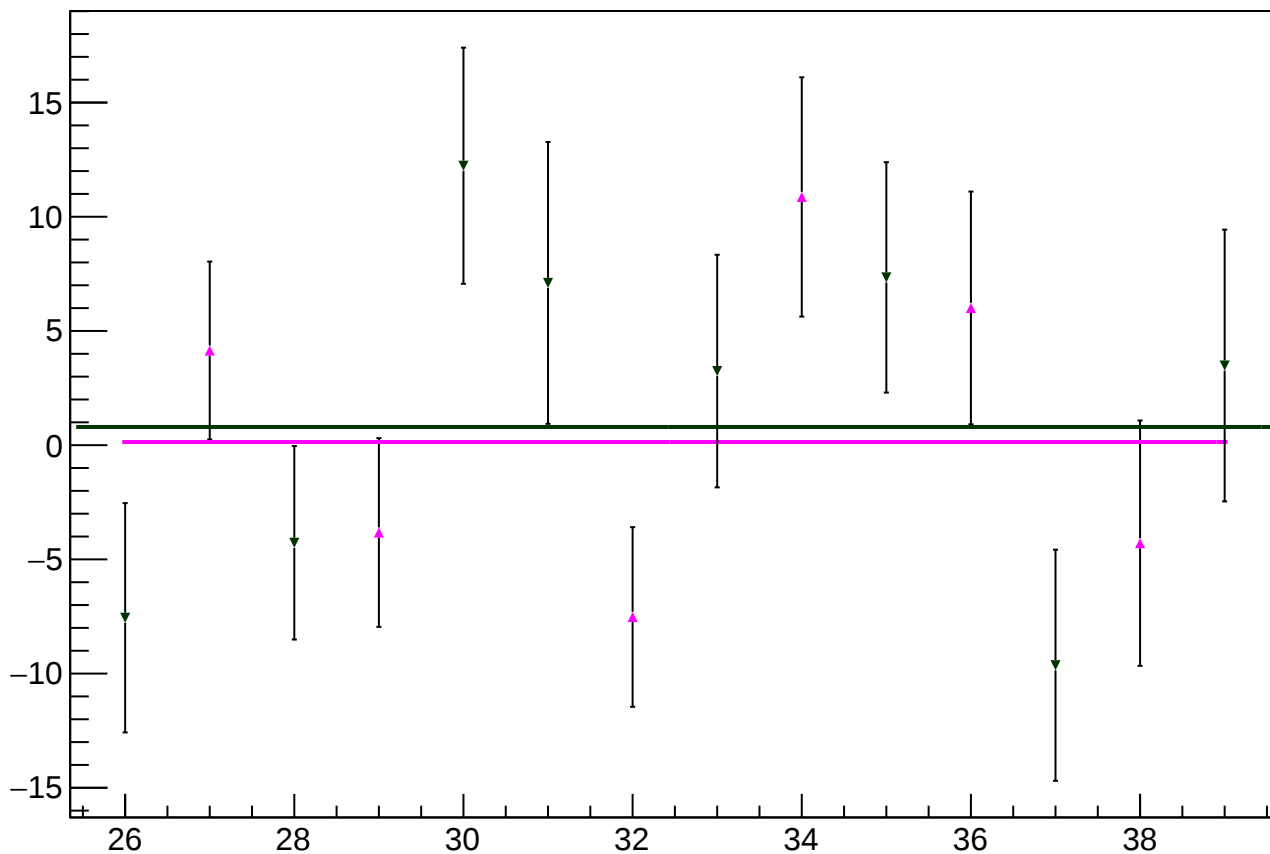
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3992.650+/-1.397  $\chi^2/\text{NDF}$ : 20119.8/5

4710.655+/-1.641  $\chi^2/\text{NDF}$ : 49773.2/7

3992.650+/-1.397  $\chi^2/\text{NDF}$ : 20119.8/5

# diff\_bpm12Y\_mean vs slug



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

Left Out: 0.797+/-1.813  $\chi^2/\text{NDF}$ :16.5/7

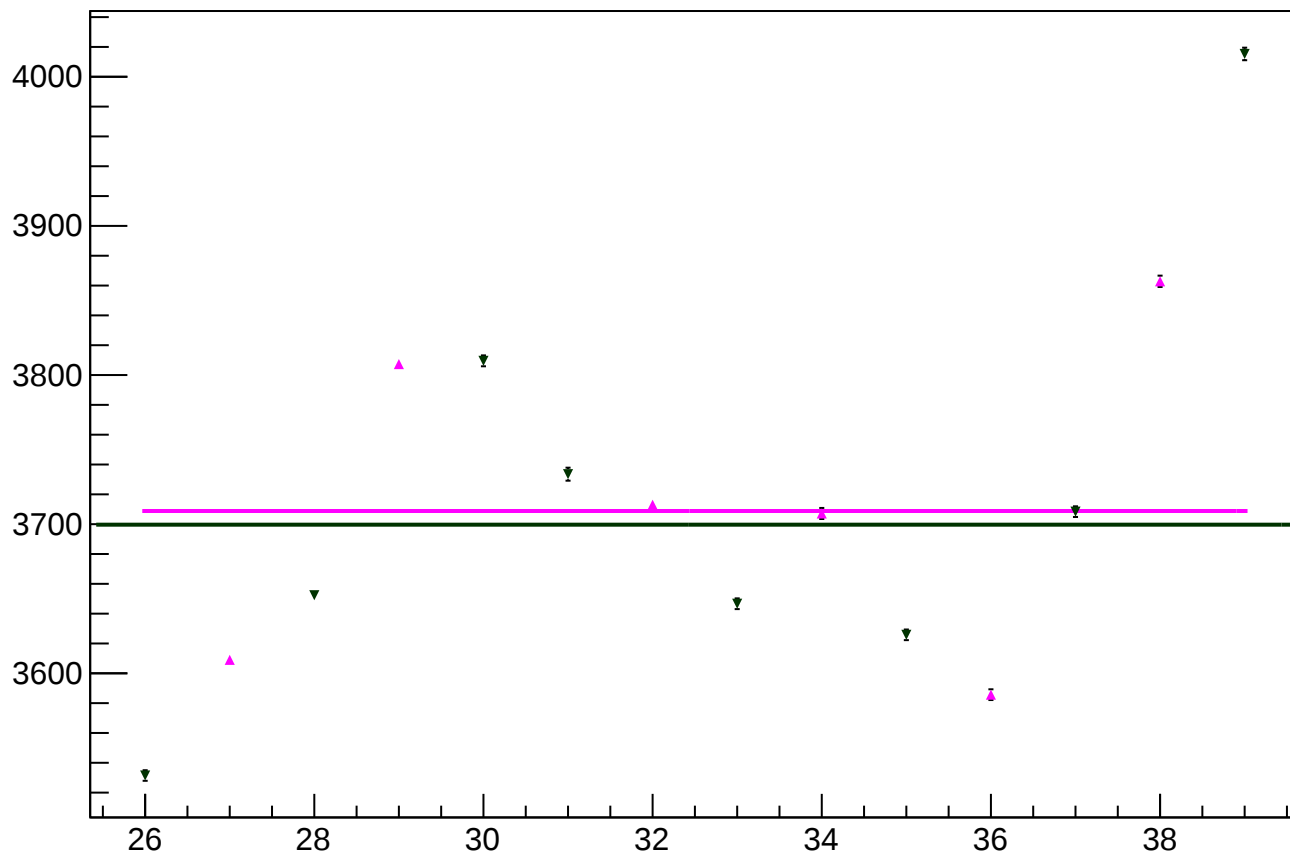
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.139+/-1.830  $\chi^2/\text{NDF}$ :12.0/5

0.797+/-1.813  $\chi^2/\text{NDF}$ : 16.5/7

0.139+/-1.830  $\chi^2/\text{NDF}$ : 12.0/5

# diff\_bpm12Y\_rms vs slug



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

Left Out: 3699.659+/-1.282  $\chi^2/\text{NDF}$ : 9739.3/7

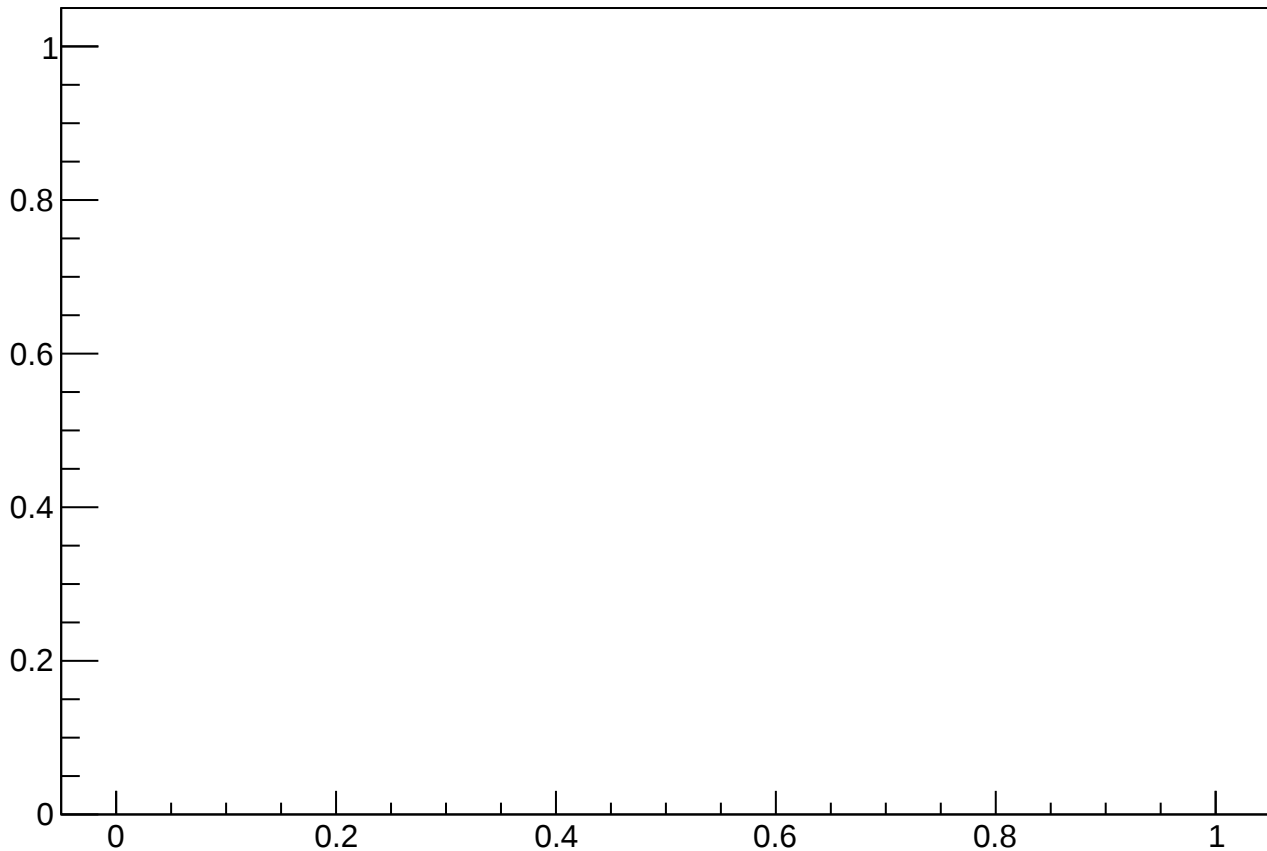
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3708.831+/-1.294  $\chi^2/\text{NDF}$ : 5265.1/5

3699.659+/-1.282  $\chi^2/\text{NDF}$ : 9739.3/7

3708.831+/-1.294  $\chi^2/\text{NDF}$ : 5265.1/5

diff\_bpm14X\_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

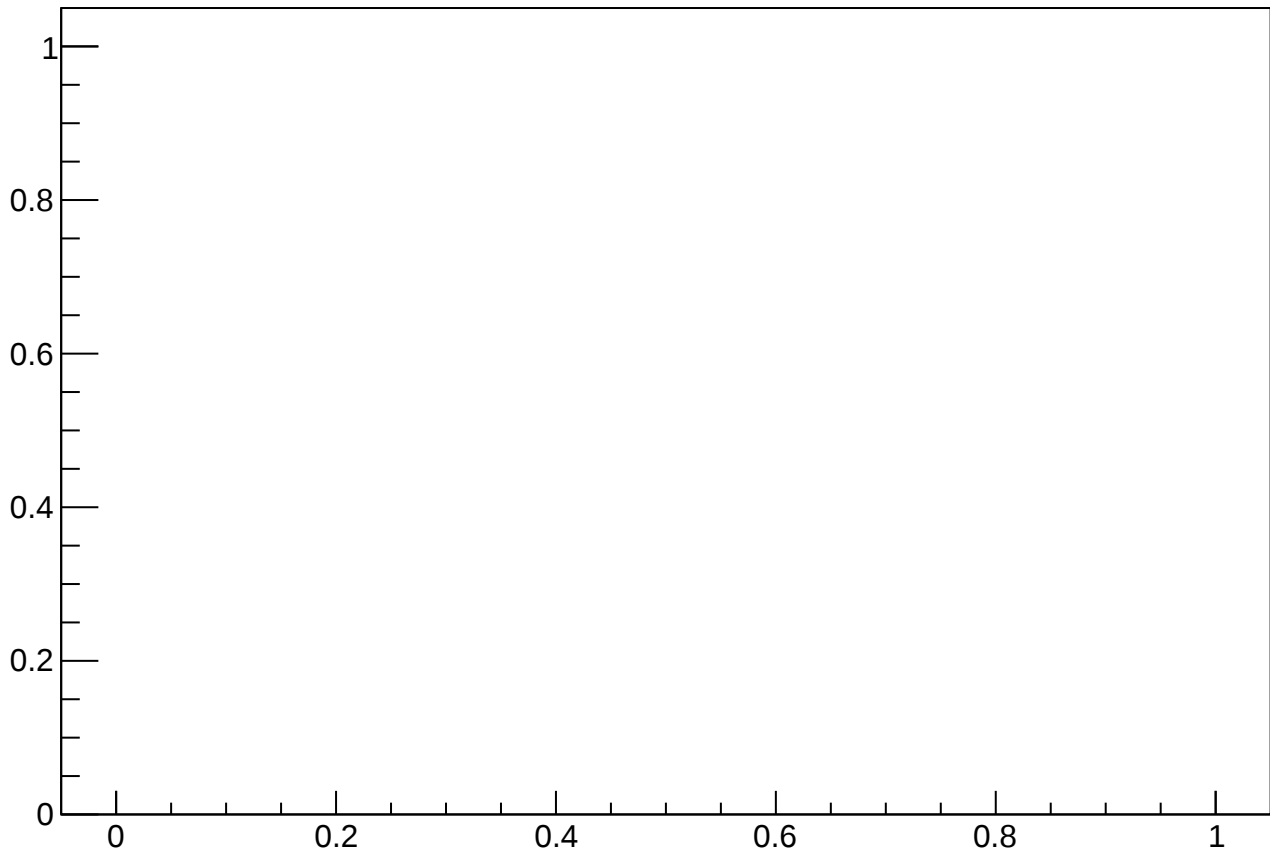
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

# diff\_bpm14X\_rms vs slug



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

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

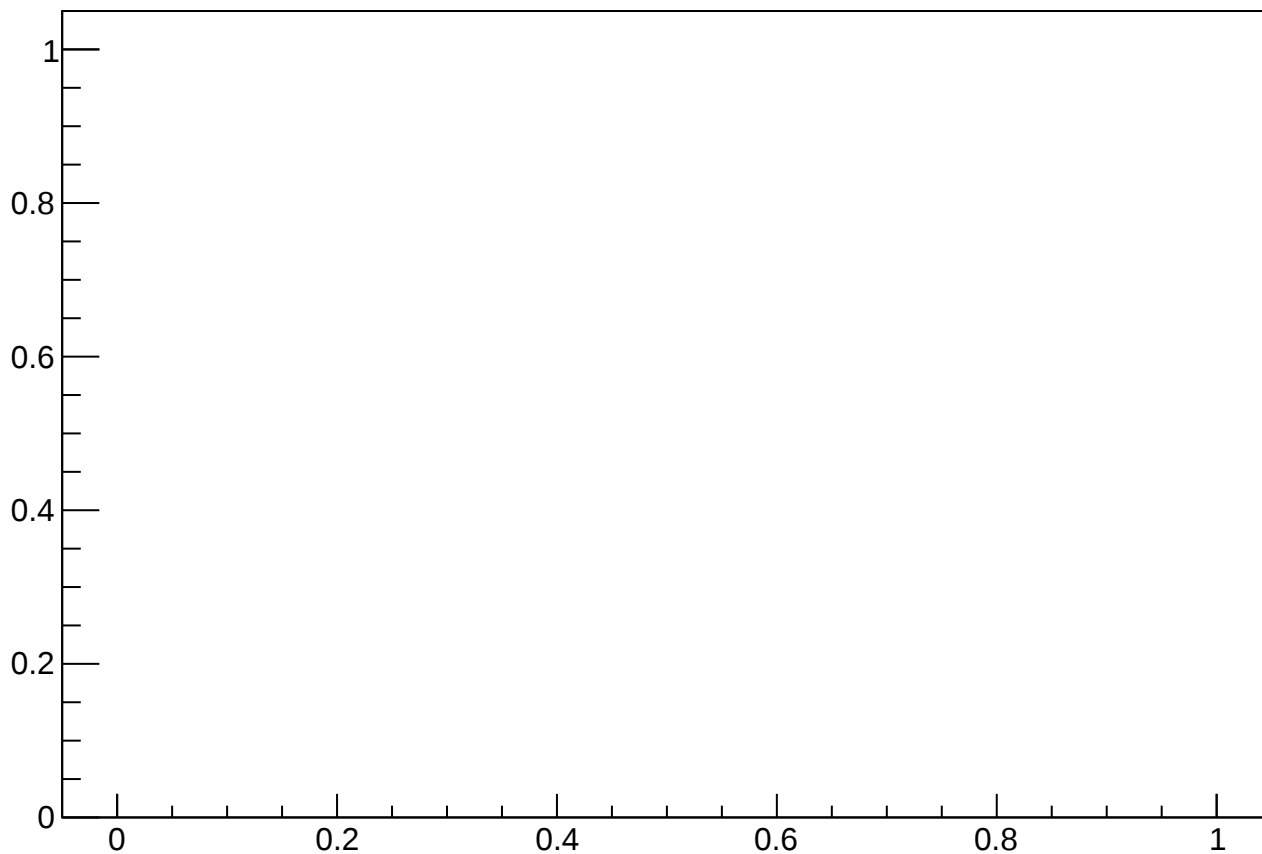
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

diff\_bpm14Y\_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

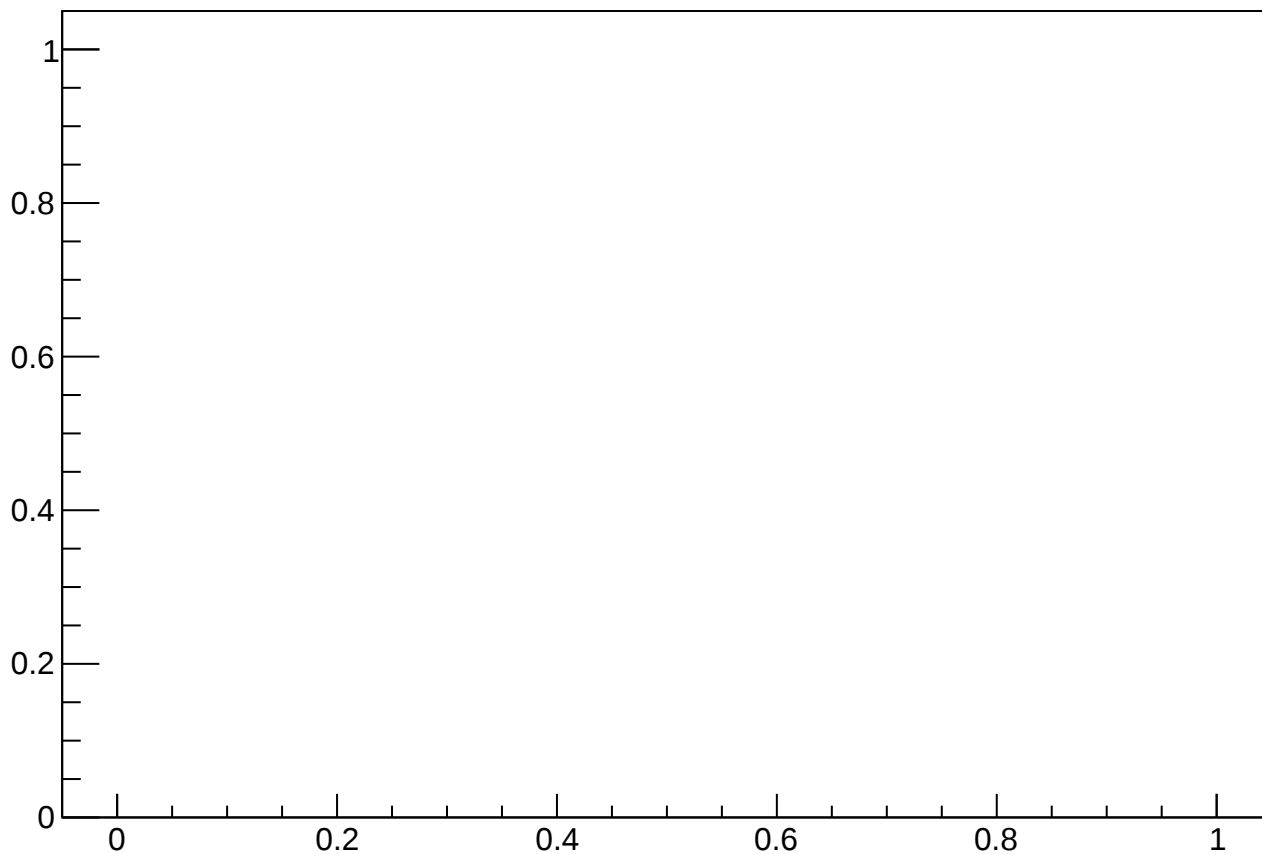
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

# diff\_bpm14Y\_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

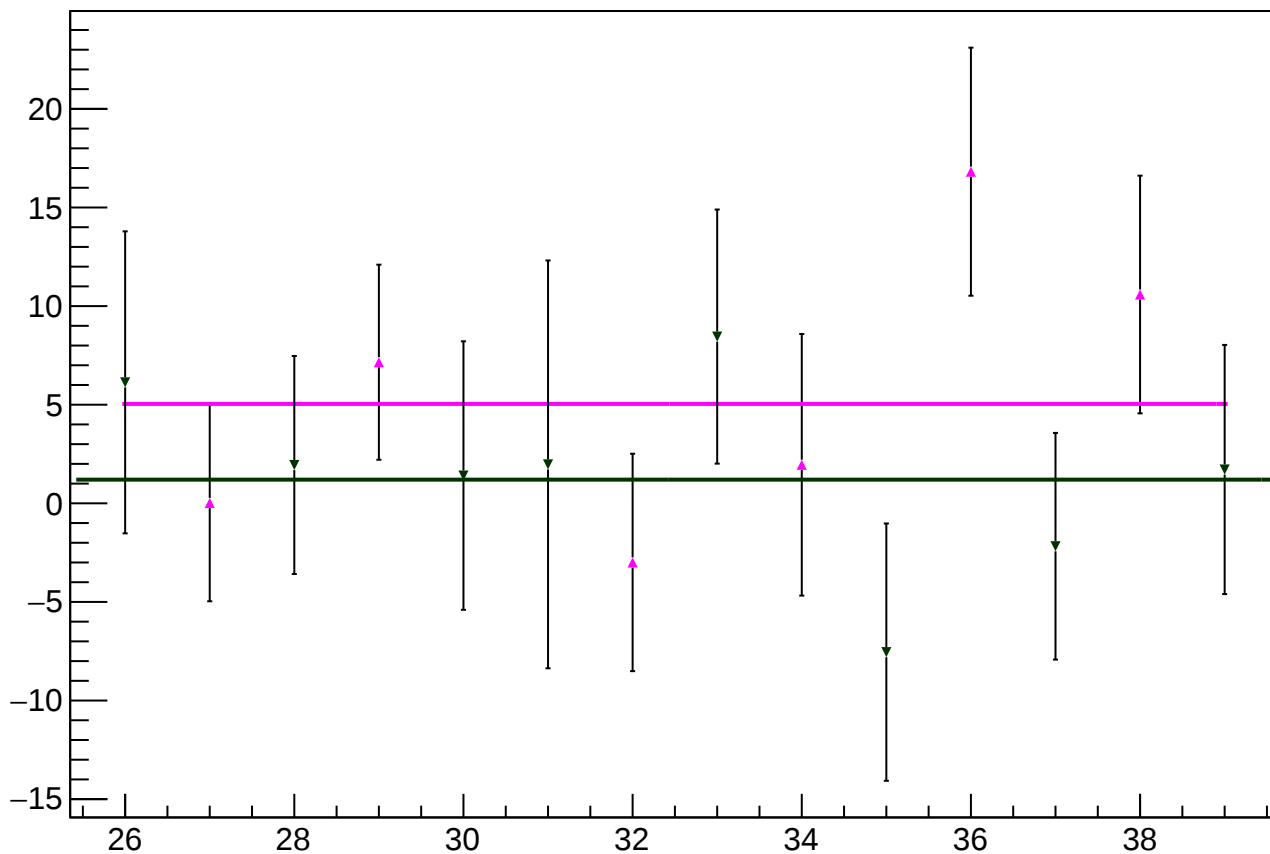
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

# diff\_bpm16X\_mean vs slug



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

Left Out: 1.201+/-2.333     $\chi^2/\text{NDF}$ : 3.9/7

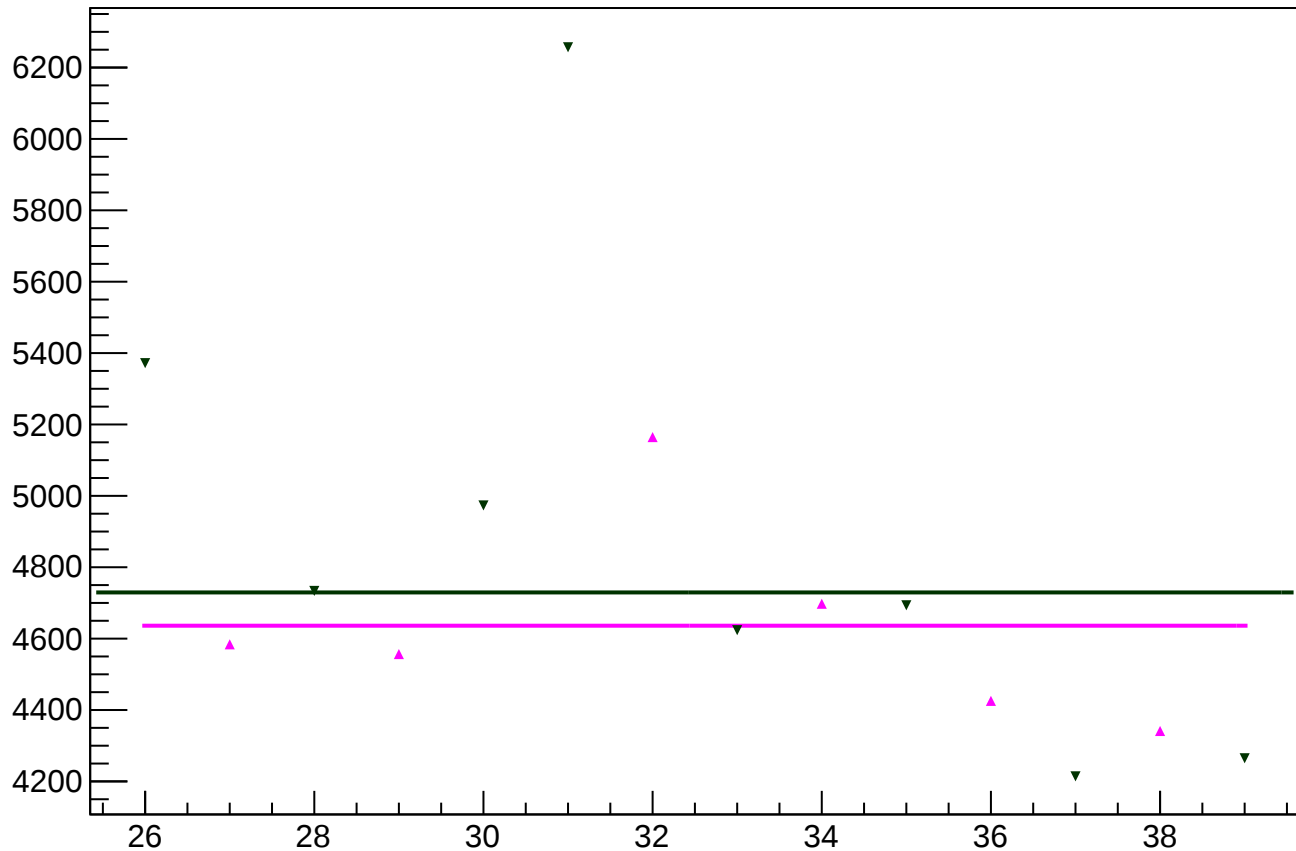
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 5.041+/-2.297     $\chi^2/\text{NDF}$ : 7.9/5

1.201+/-2.333     $\chi^2/\text{NDF}$ : 3.9/7

5.041+/-2.297     $\chi^2/\text{NDF}$ : 7.9/5

# diff\_bpm16X\_rms vs slug



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

Left Out: 4729.416+/-1.650  $\chi^2/\text{NDF}$ : 87787.3/7

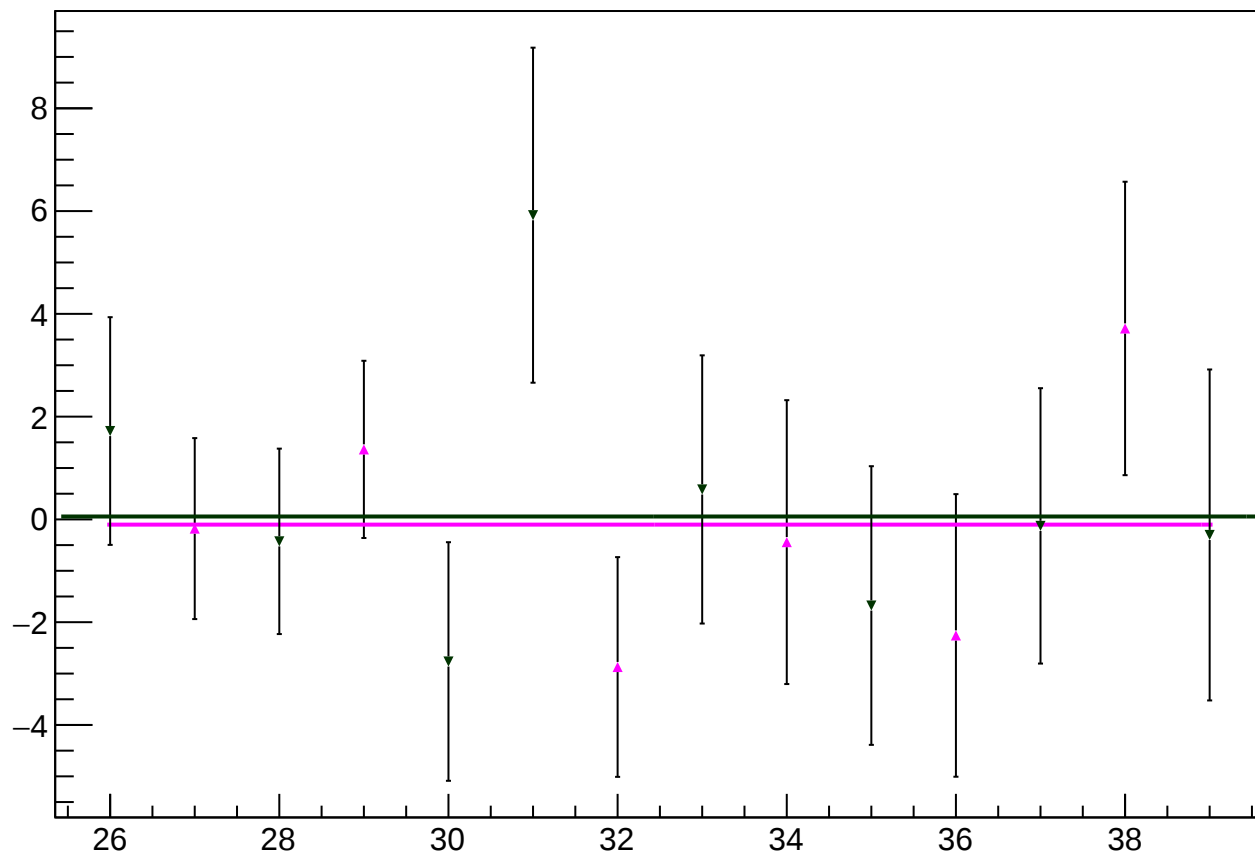
4729.416+/-1.650  $\chi^2/\text{NDF}$ : 87787.3/7

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

4636.216+/-1.624  $\chi^2/\text{NDF}$ : 26326.8/5

Left In: 4636.216+/-1.624  $\chi^2/\text{NDF}$ : 26326.8/5

# diff\_bpm16Y\_mean vs slug



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

Left Out: 0.057+/-0.874  $\chi^2/\text{NDF}$ : 5.8/7

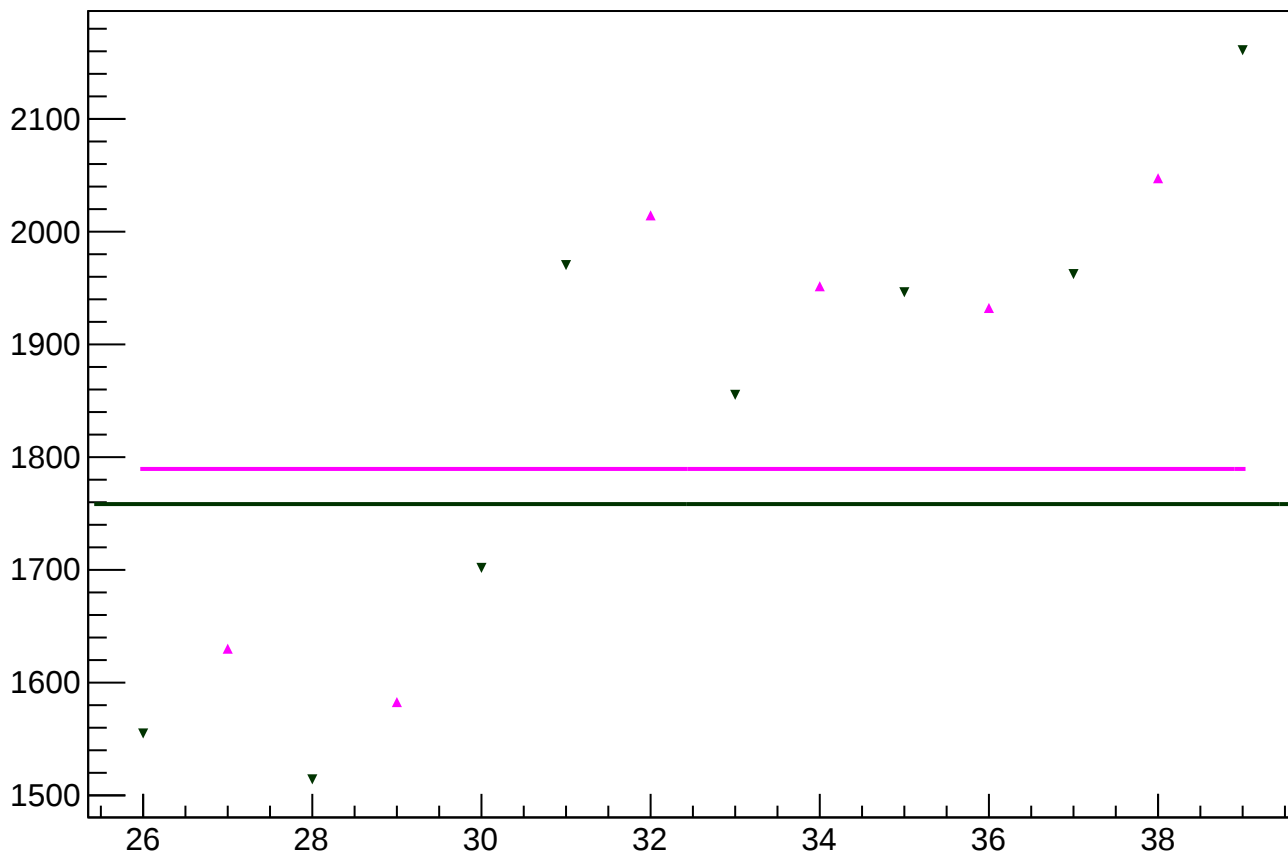
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.101+/-0.890  $\chi^2/\text{NDF}$ : 4.8/5

0.057+/-0.874  $\chi^2/\text{NDF}$ : 5.8/7

-0.101+/-0.890  $\chi^2/\text{NDF}$ : 4.8/5

diff\_bpm16Y\_rms vs slug



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

Left Out: 1758.377+/-0.618  $\chi^2/\text{NDF}$ :118357.4/7

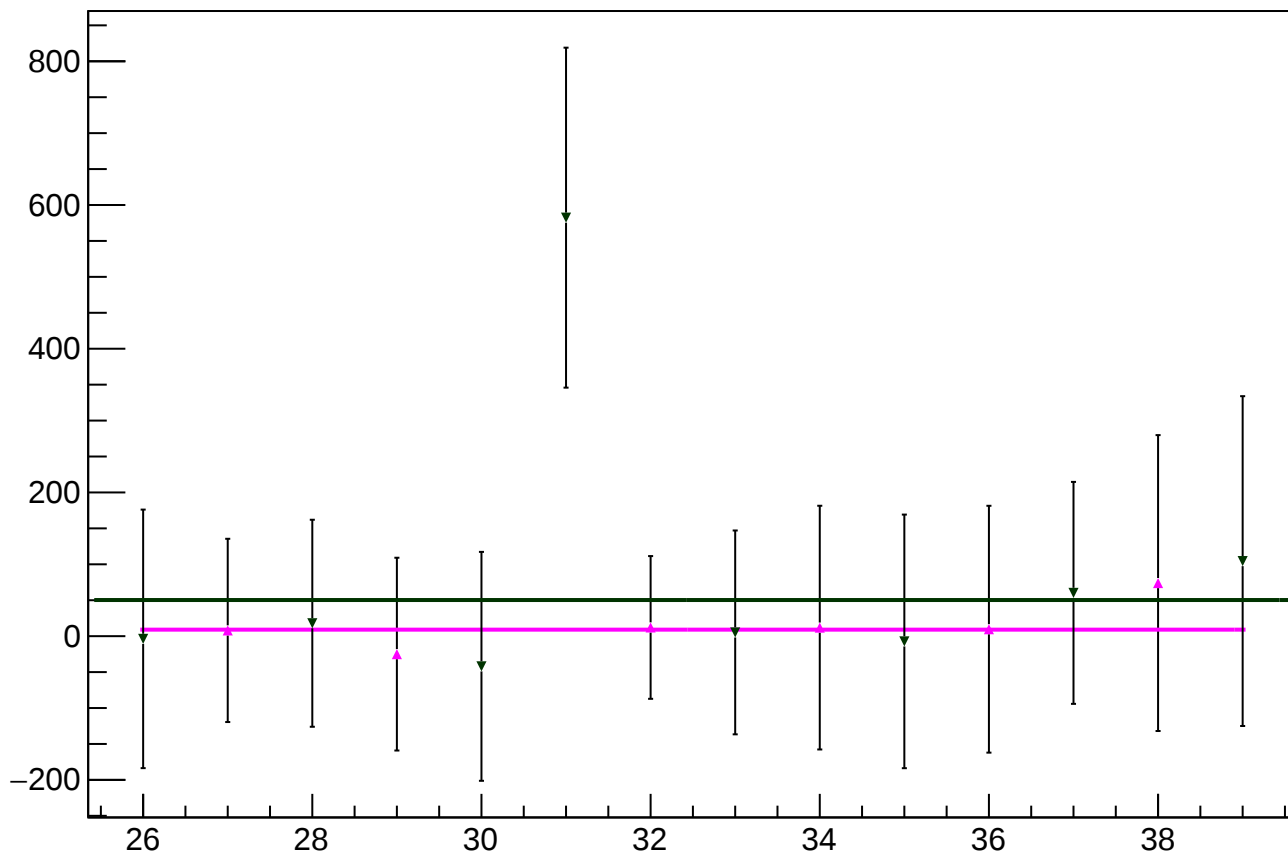
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1789.546+/-0.629  $\chi^2/\text{NDF}$ :95889.5/5

1758.377+/-0.618  $\chi^2/\text{NDF}$ : 118357.4/7

1789.546+/-0.629  $\chi^2/\text{NDF}$ : 95889.5/5

asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_mean vs slug



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

Left Out: 50.292+/-59.854  $\chi^2/\text{NDF}$ : 5.8/7

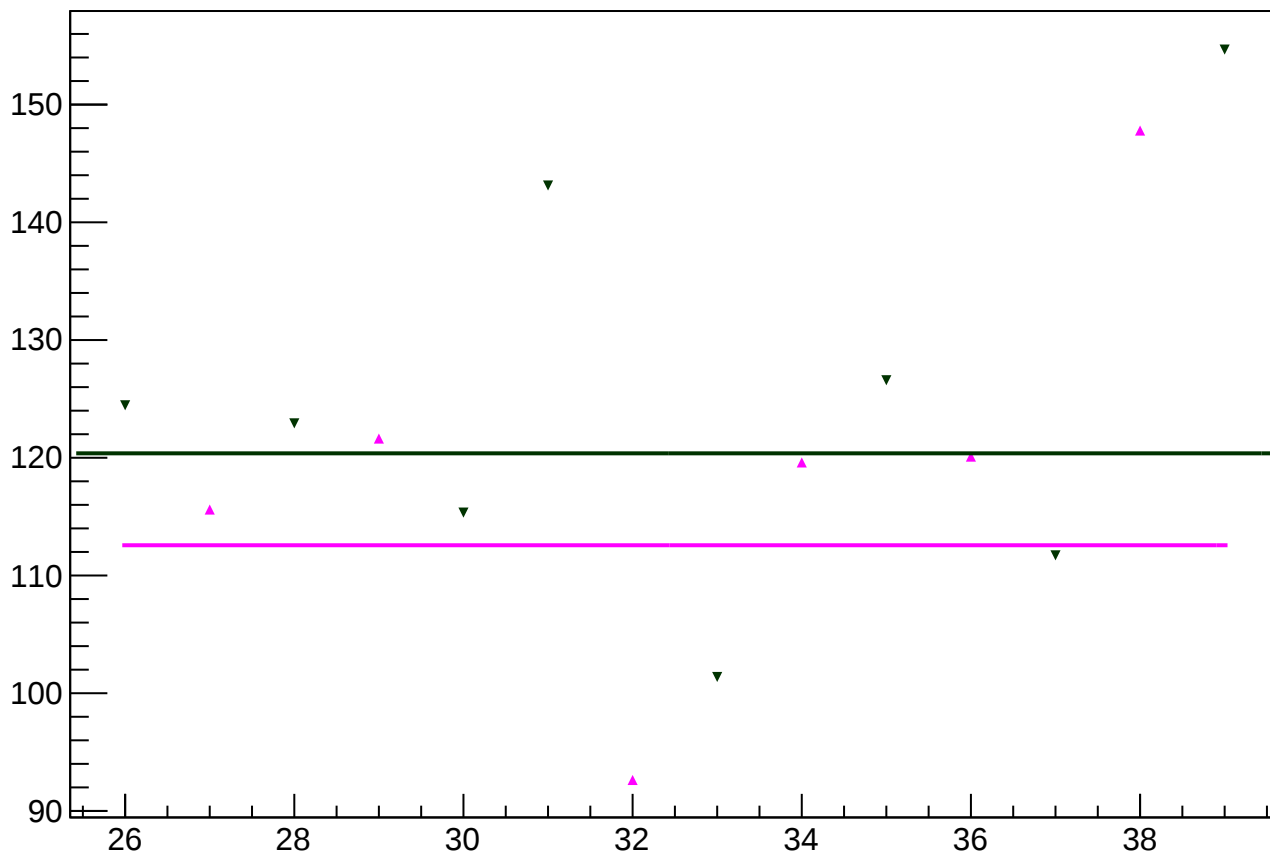
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 9.068+/-56.729  $\chi^2/\text{NDF}$ : 0.2/5

50.292+/-59.854  $\chi^2/\text{NDF}$ : 5.8/7

9.068+/-56.729  $\chi^2/\text{NDF}$ : 0.2/5

asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_avg\_rms vs slug



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

Left Out: 120.377+/-0.042  $\chi^2/\text{NDF}$ :111468.7/7

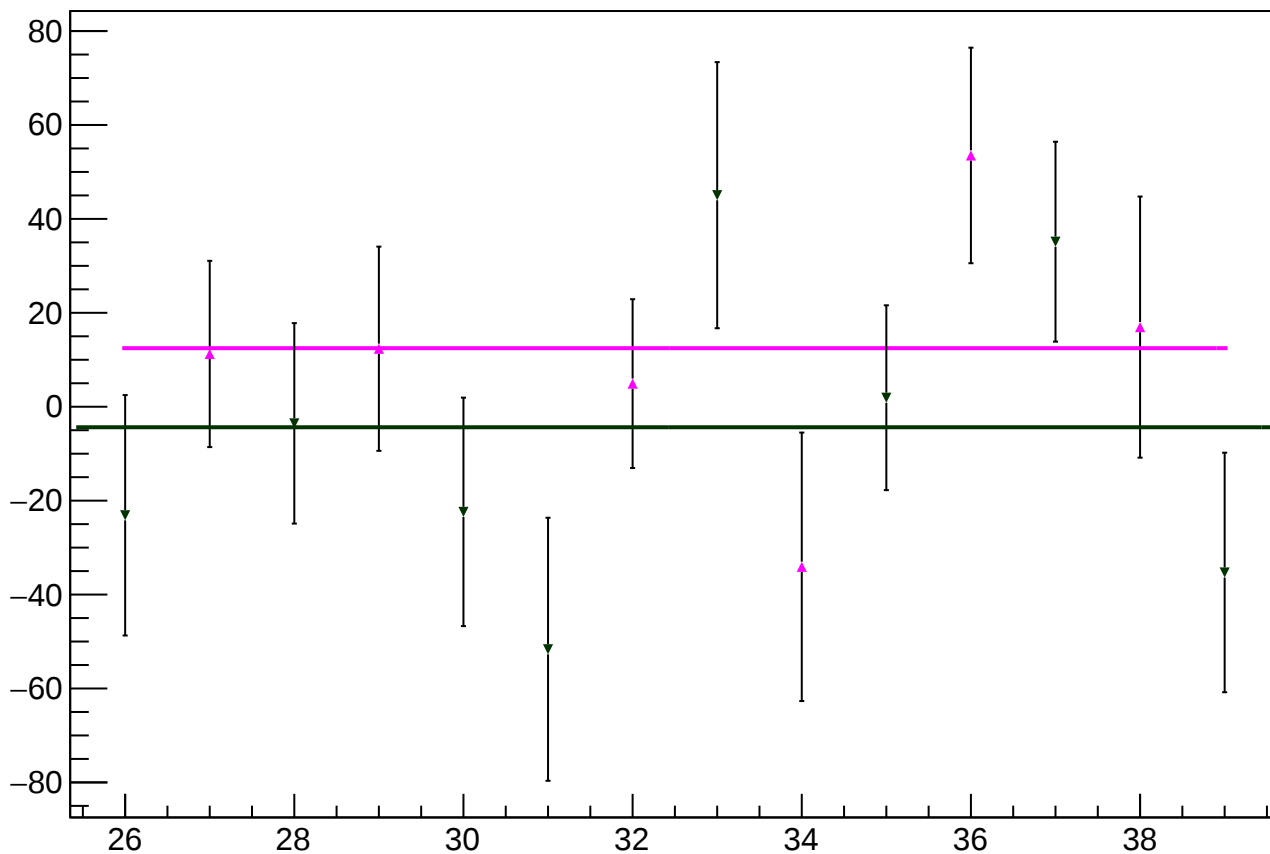
120.377+/-0.042  $\chi^2/\text{NDF}$ : 111468.7/7

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

112.569+/-0.040  $\chi^2/\text{NDF}$ : 156686.6/5

Left In: 112.569+/-0.040  $\chi^2/\text{NDF}$ :156686.6/5

asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_mean vs slug



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

Left Out: -4.370+/-8.375  $\chi^2/\text{NDF}$ : 12.0/7

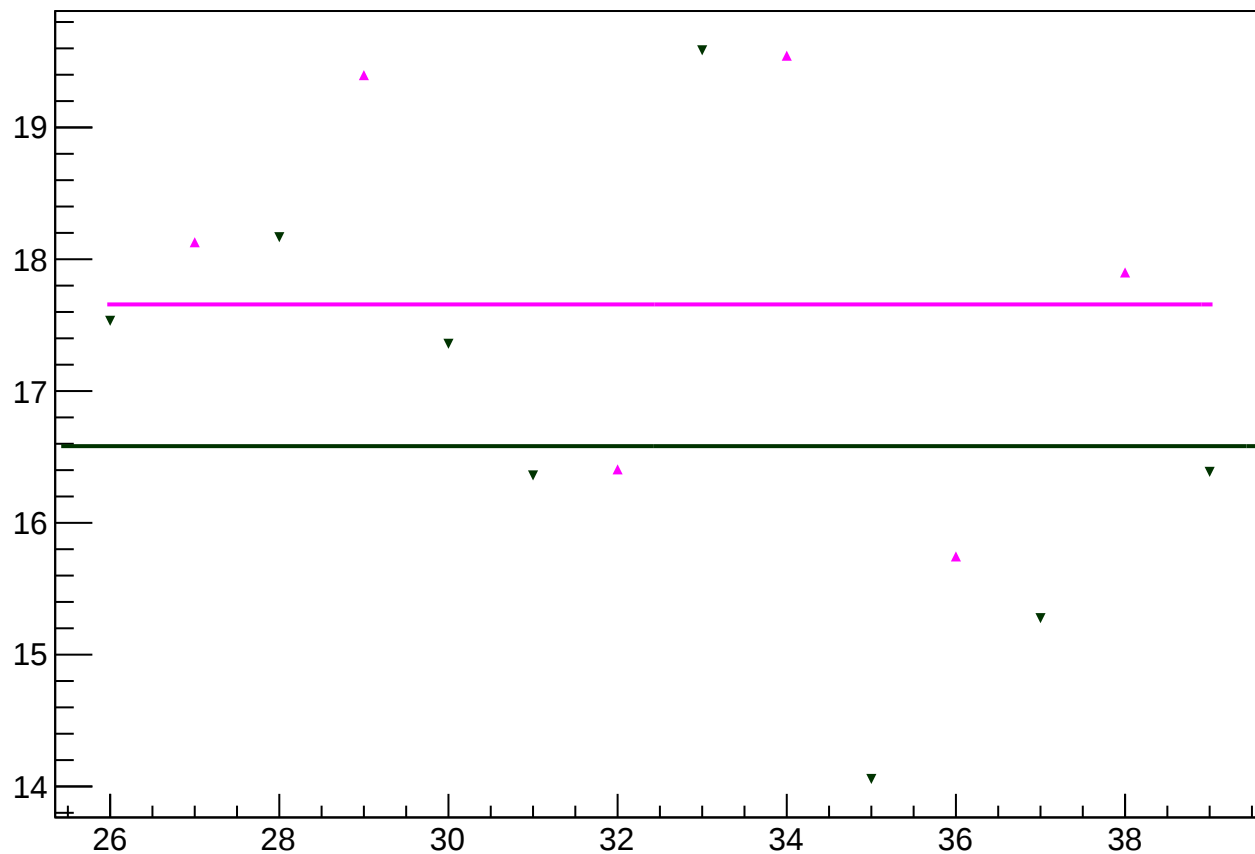
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 12.471+/-9.066  $\chi^2/\text{NDF}$ : 6.1/5

-4.370+/-8.375  $\chi^2/\text{NDF}$ : 12.0/7

12.471+/-9.066  $\chi^2/\text{NDF}$ : 6.1/5

asym\_bcm\_an\_us\_bcm\_an\_ds\_agg\_dd\_rms vs slug



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

Left Out: 16.582+/-0.006  $\chi^2/\text{NDF}$ : 78992.5/7

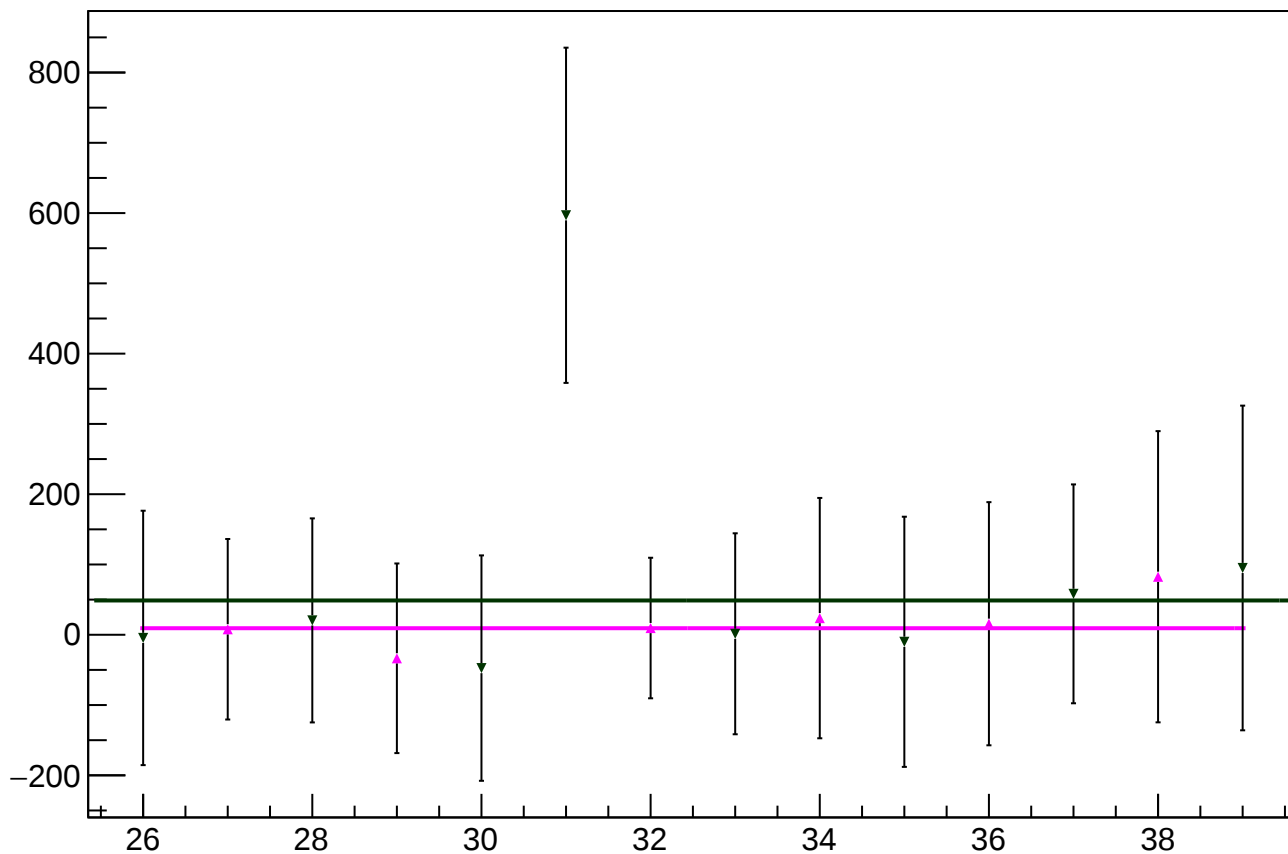
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 17.657+/-0.006  $\chi^2/\text{NDF}$ : 46373.1/5

16.582+/-0.006  $\chi^2/\text{NDF}$ : 78992.5/7

17.657+/-0.006  $\chi^2/\text{NDF}$ : 46373.1/5

asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_mean vs slug



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

Left Out: 48.799+/-60.311  $\chi^2/\text{NDF}$ : 6.0/7

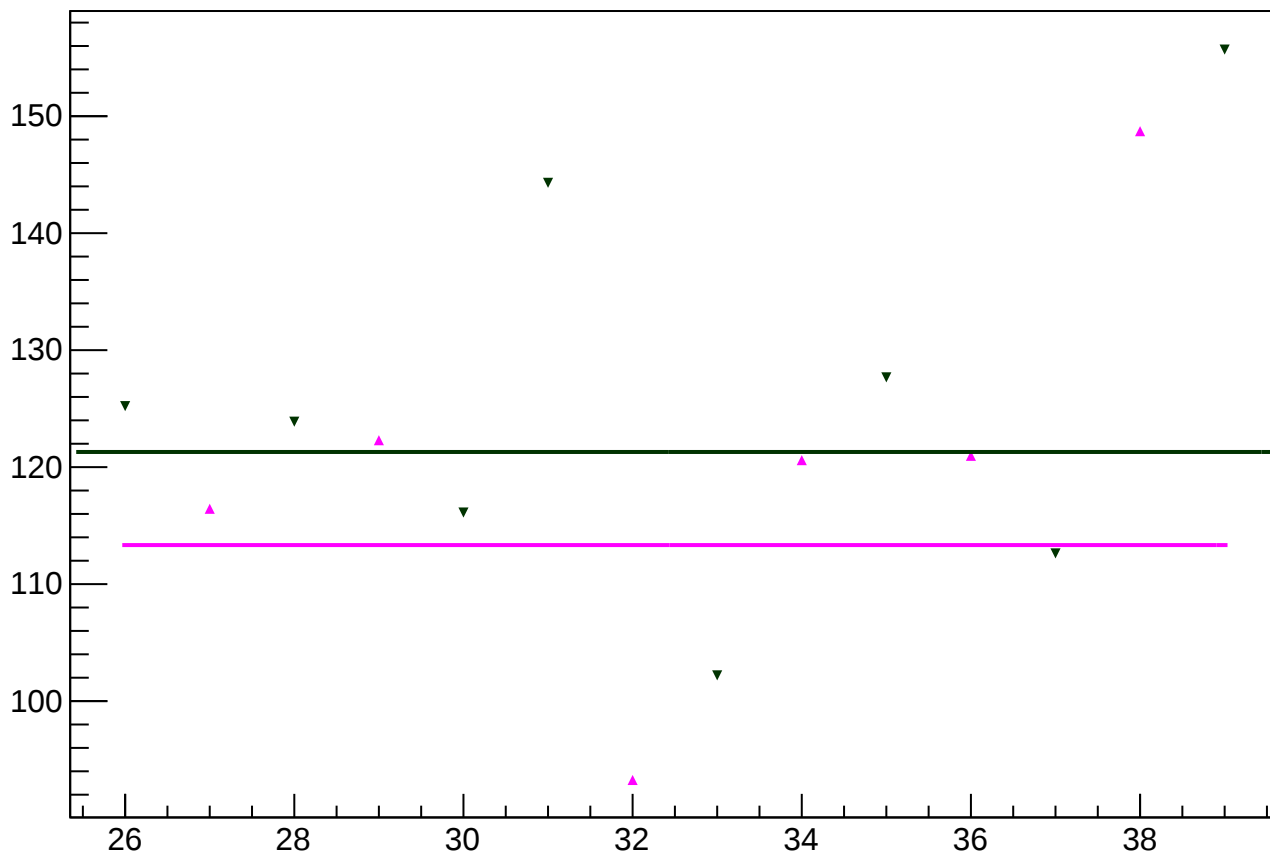
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 9.311+/-57.119  $\chi^2/\text{NDF}$ : 0.2/5

48.799+/-60.311  $\chi^2/\text{NDF}$ : 6.0/7

9.311+/-57.119  $\chi^2/\text{NDF}$ : 0.2/5

asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_avg\_rms vs slug



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

Left Out: 121.297+/-0.043  $\chi^2/\text{NDF}$ :111062.1/7

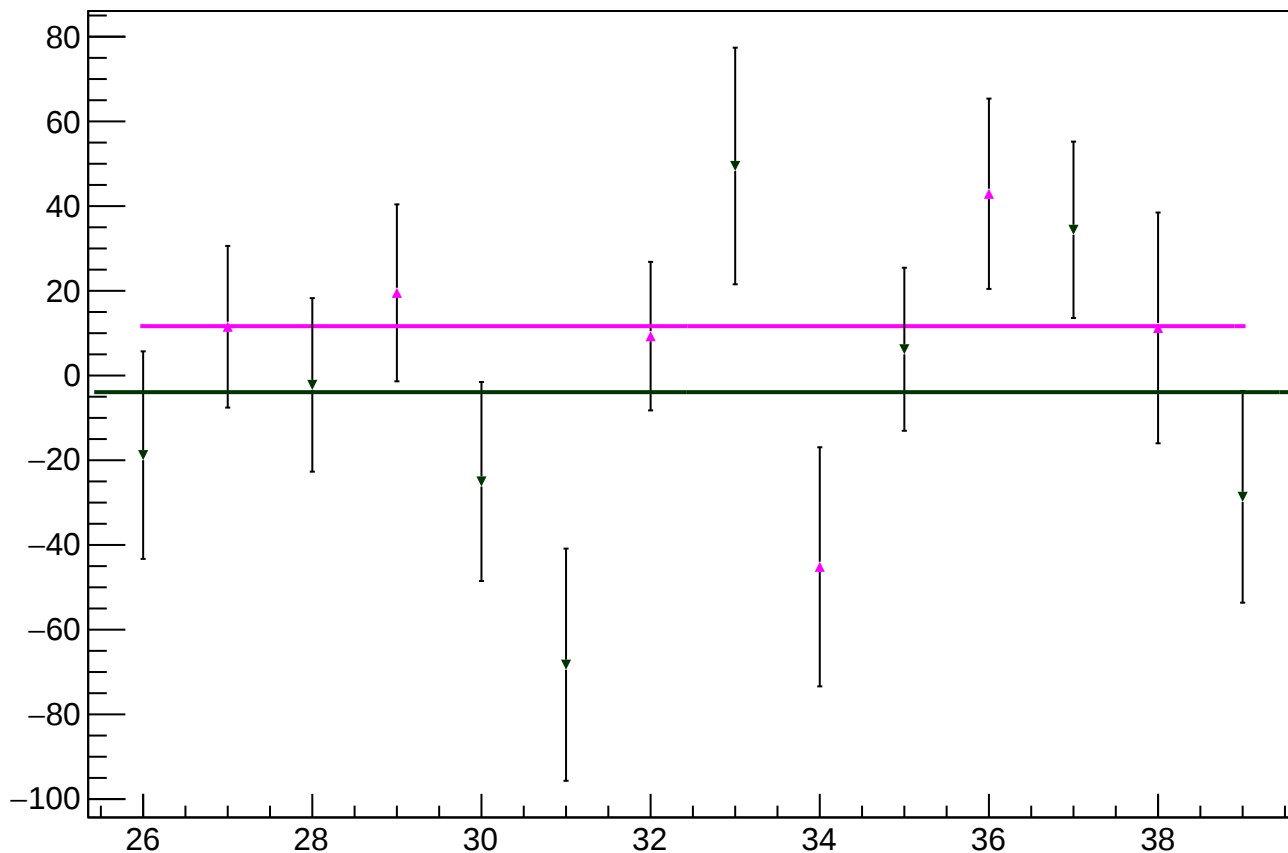
121.297+/-0.043  $\chi^2/\text{NDF}$ : 111062.1/7

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

113.338+/-0.040  $\chi^2/\text{NDF}$ : 156470.0/5

Left In: 113.338+/-0.040  $\chi^2/\text{NDF}$ :156470.0/5

asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_mean vs slug



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

Left Out: -3.925+/-8.143  $\chi^2/\text{NDF}$ : 15.0/7

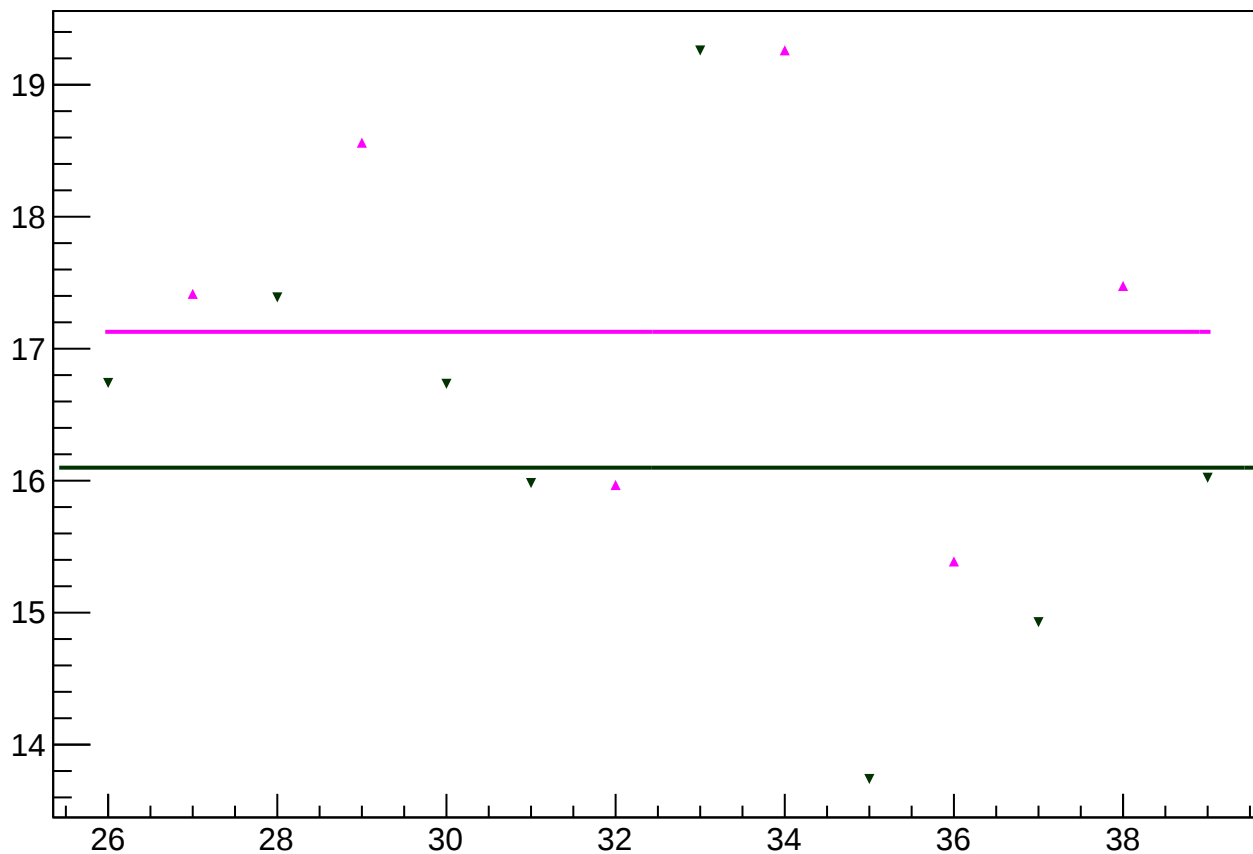
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 11.660+/-8.814  $\chi^2/\text{NDF}$ : 6.1/5

-3.925+/-8.143  $\chi^2/\text{NDF}$ : 15.0/7

11.660+/-8.814  $\chi^2/\text{NDF}$ : 6.1/5

asym\_bcm\_an\_us\_bcm\_an\_ds3\_agg\_dd\_rms vs slug



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

Left Out: 16.099+/-0.006  $\chi^2/\text{NDF}$ : 72813.3/7

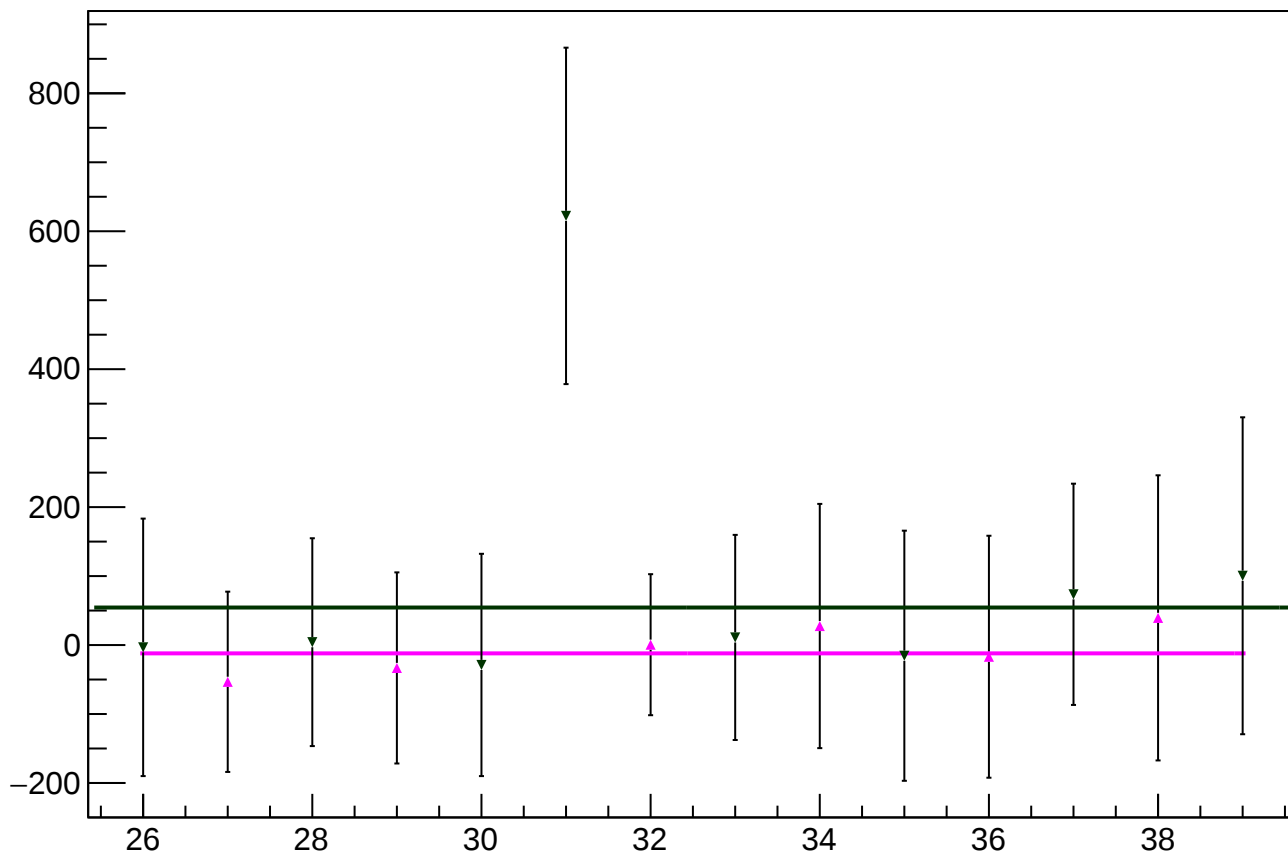
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 17.128+/-0.006  $\chi^2/\text{NDF}$ : 42373.0/5

16.099+/-0.006  $\chi^2/\text{NDF}$ : 72813.3/7

17.128+/-0.006  $\chi^2/\text{NDF}$ : 42373.0/5

asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_mean vs slug



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

Left Out: 54.405+/-61.840  $\chi^2/\text{NDF}$ : 6.2/7

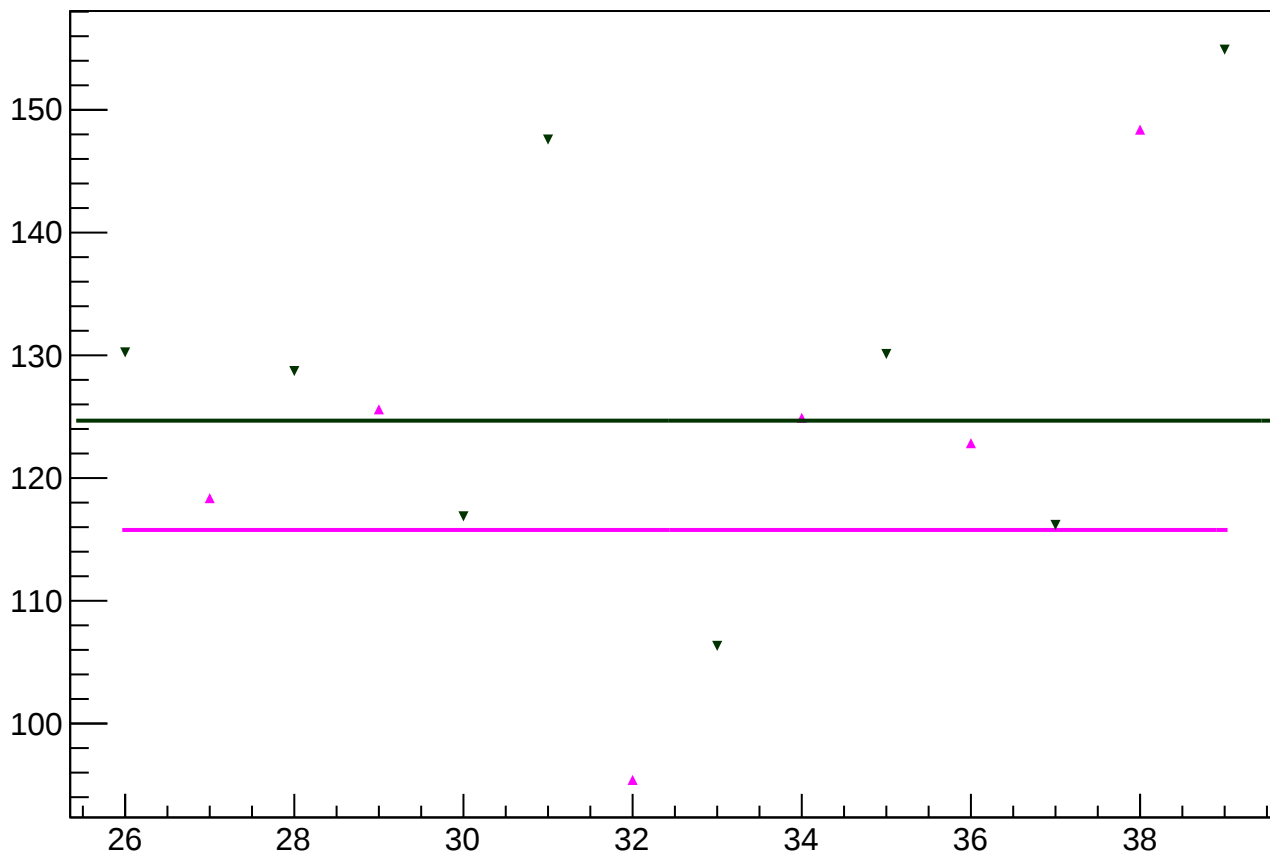
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -12.061+/-58.312  $\chi^2/\text{NDF}$ : 0.3/5

54.405+/-61.840  $\chi^2/\text{NDF}$ : 6.2/7

-12.061+/-58.312  $\chi^2/\text{NDF}$ : 0.3/5

asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_avg\_rms vs slug



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

Left Out: 124.678+/-0.044  $\chi^2/\text{NDF}$ : 97996.8/7

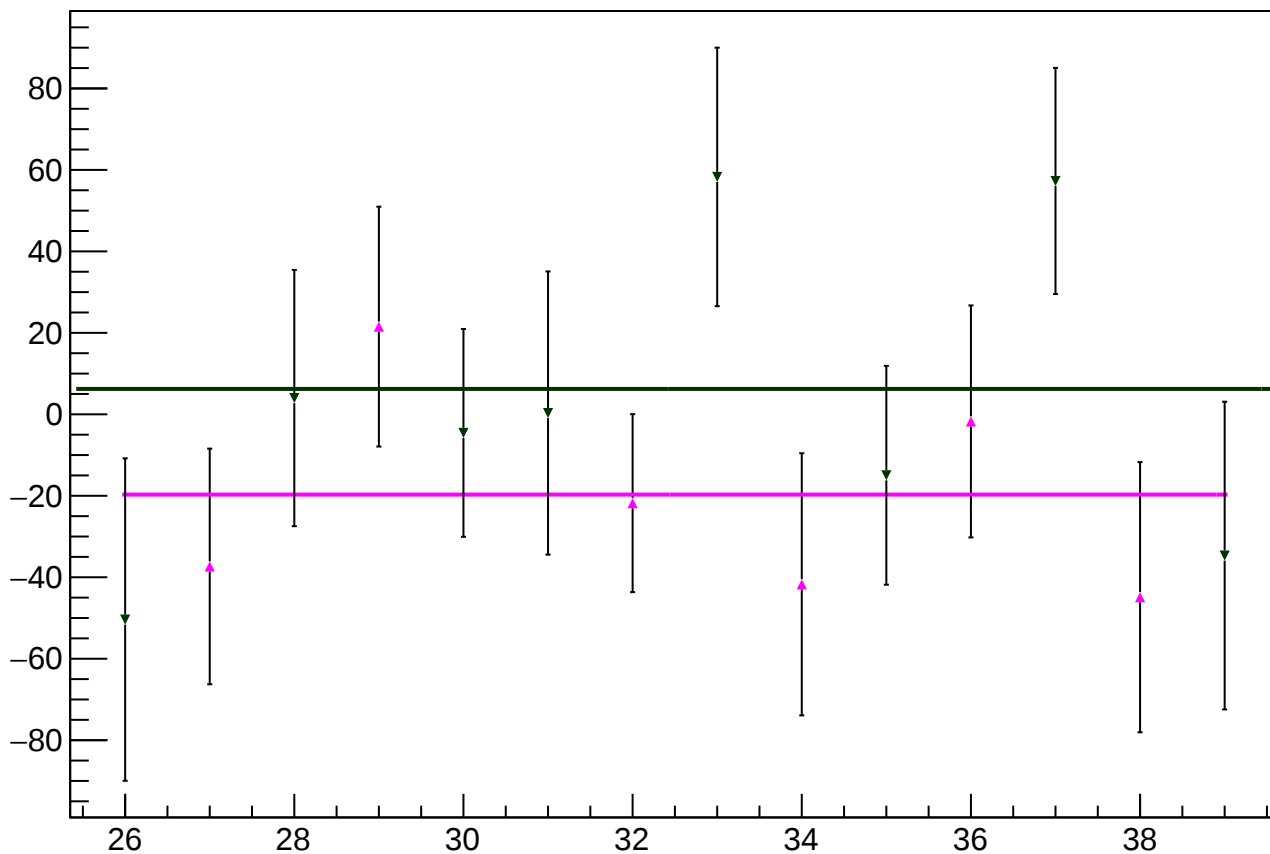
124.678+/-0.044  $\chi^2/\text{NDF}$ : 97996.8/7

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

Left In: 115.772+/-0.041  $\chi^2/\text{NDF}$ : 148585.6/5

115.772+/-0.041  $\chi^2/\text{NDF}$ : 148585.6/5

asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_mean vs slug



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

Left Out: 6.233+/-10.917  $\chi^2/\text{NDF}$ :10.1/7

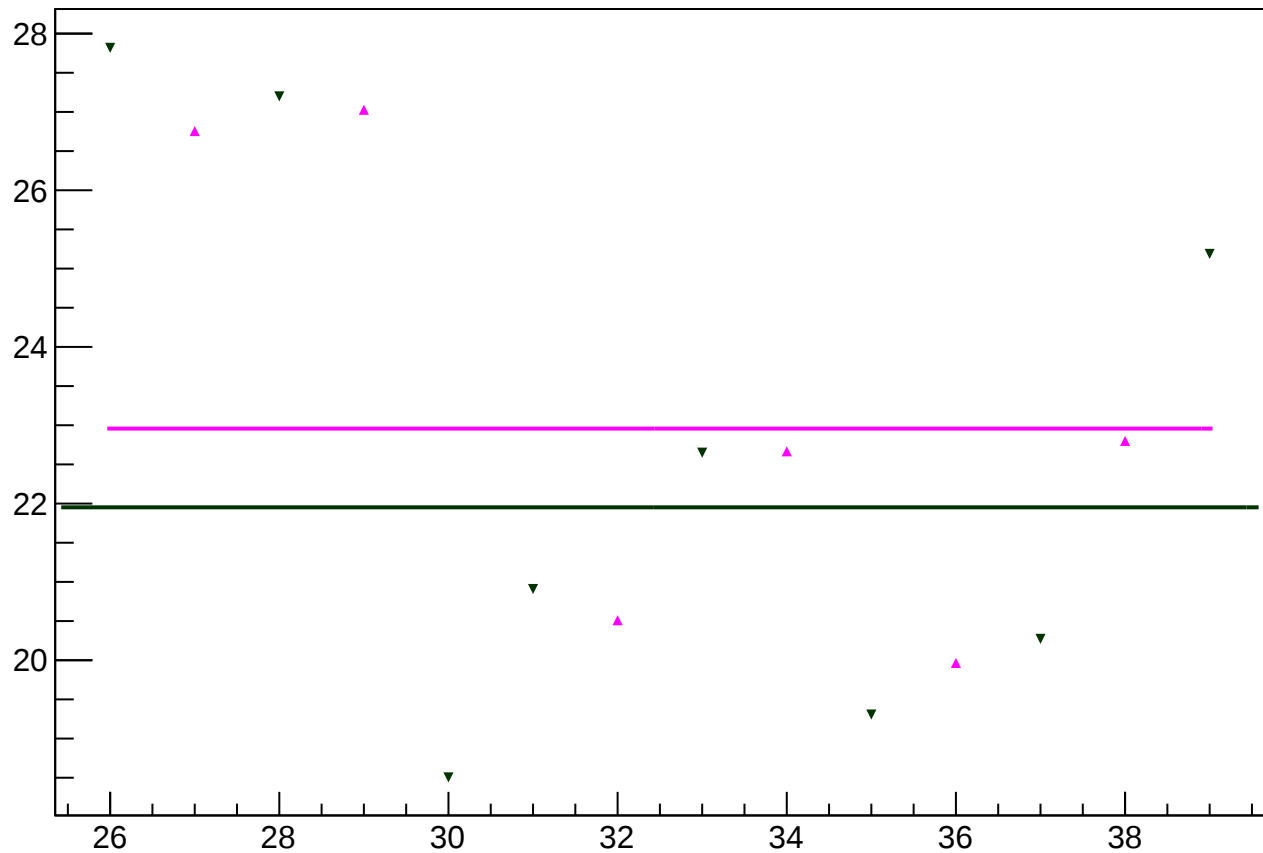
6.233+/-10.917  $\chi^2/\text{NDF}$ : 10.1/7

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

Left In: -19.700+/-11.507  $\chi^2/\text{NDF}$ :3.8/5

-19.700+/-11.507  $\chi^2/\text{NDF}$ : 3.8/5

asym\_bcm\_dg\_us\_bcm\_an\_us\_agg\_dd\_rms vs slug



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

Left Out: 21.952+/-0.008  $\chi^2/\text{NDF}$ : 180239.9/7

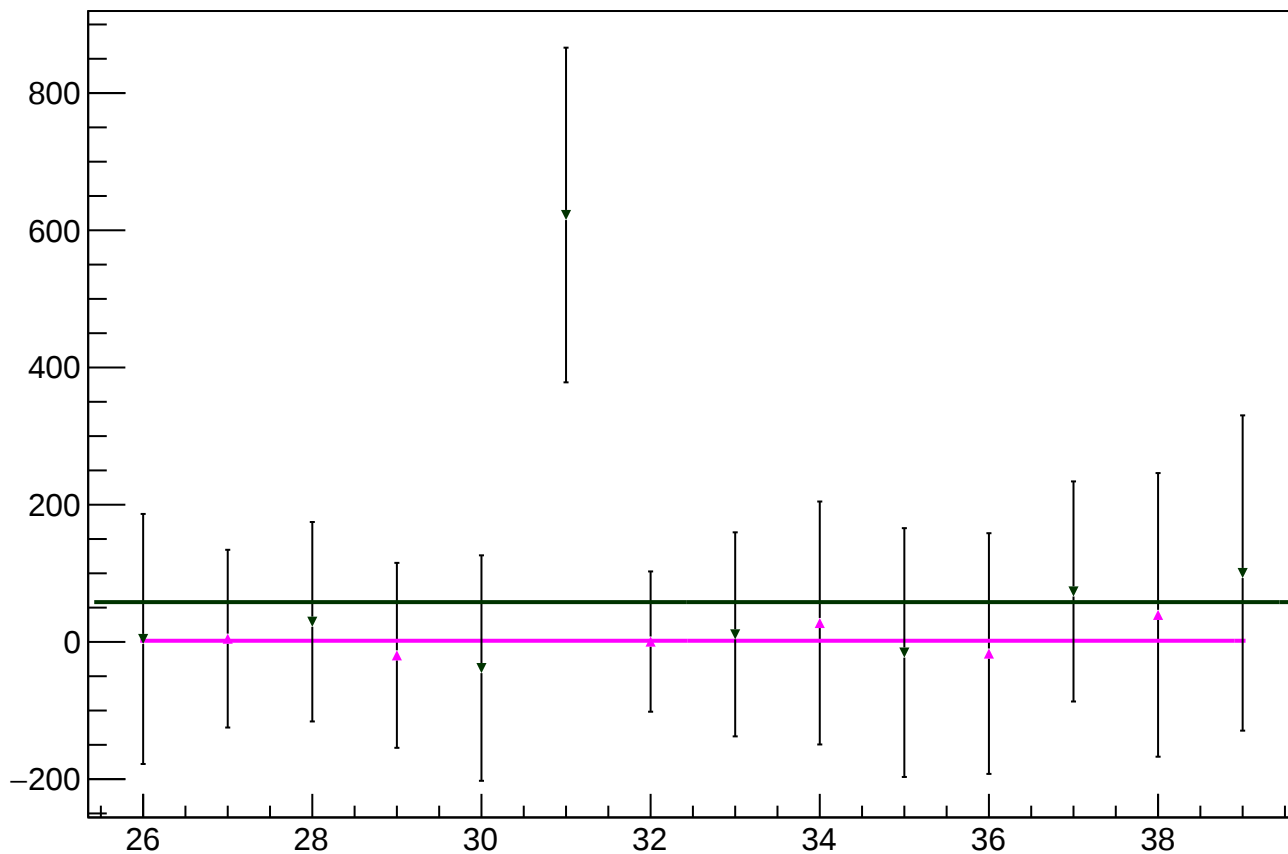
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 22.957+/-0.008  $\chi^2/\text{NDF}$ : 120090.5/5

21.952+/-0.008  $\chi^2/\text{NDF}$ : 180239.9/7

22.957+/-0.008  $\chi^2/\text{NDF}$ : 120090.5/5

asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_mean vs slug



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

Left Out: 58.026+/-61.462  $\chi^2/\text{NDF}$ : 6.1/7

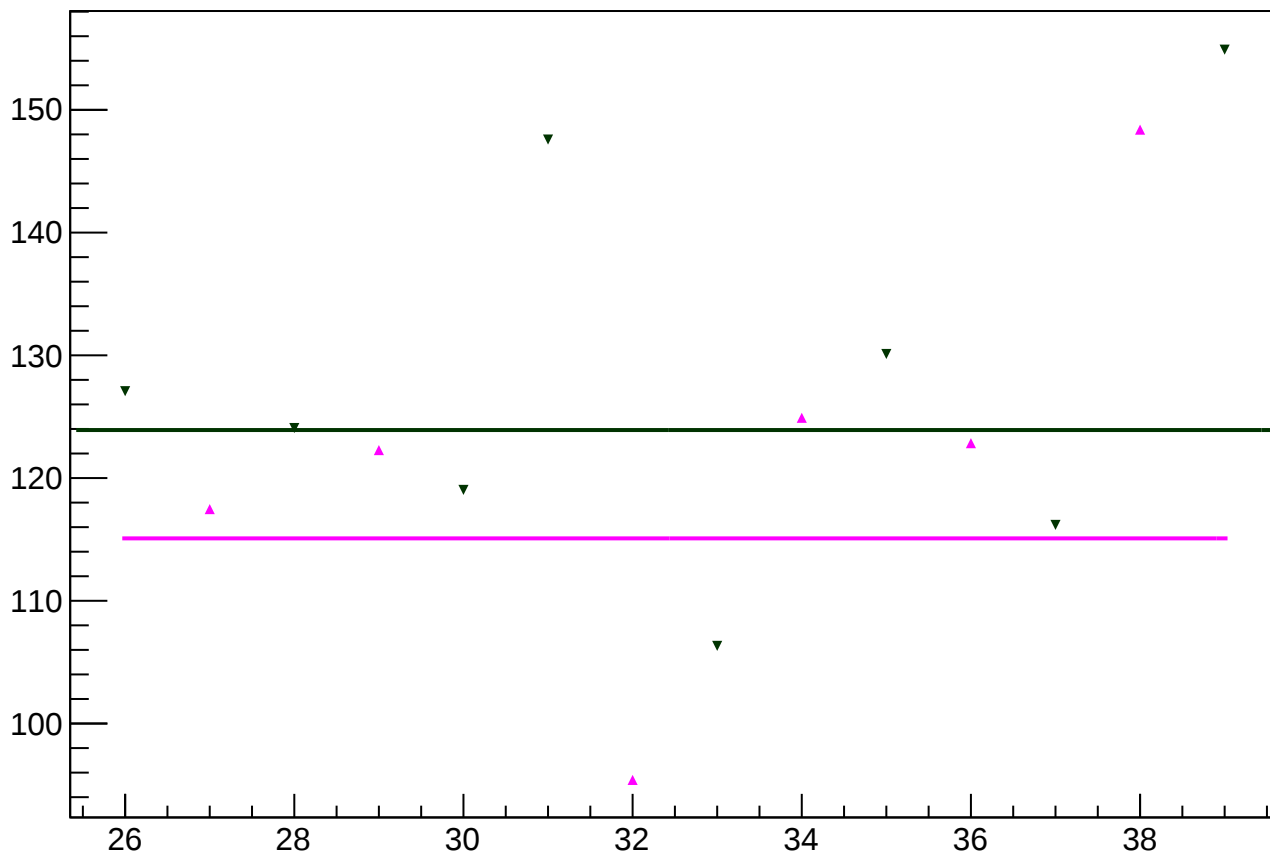
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.702+/-57.918  $\chi^2/\text{NDF}$ : 0.1/5

58.026+/-61.462  $\chi^2/\text{NDF}$ : 6.1/7

1.702+/-57.918  $\chi^2/\text{NDF}$ : 0.1/5

asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_avg\_rms vs slug



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

Left Out: 123.913+/-0.043  $\chi^2/\text{NDF}$ : 92534.2/7

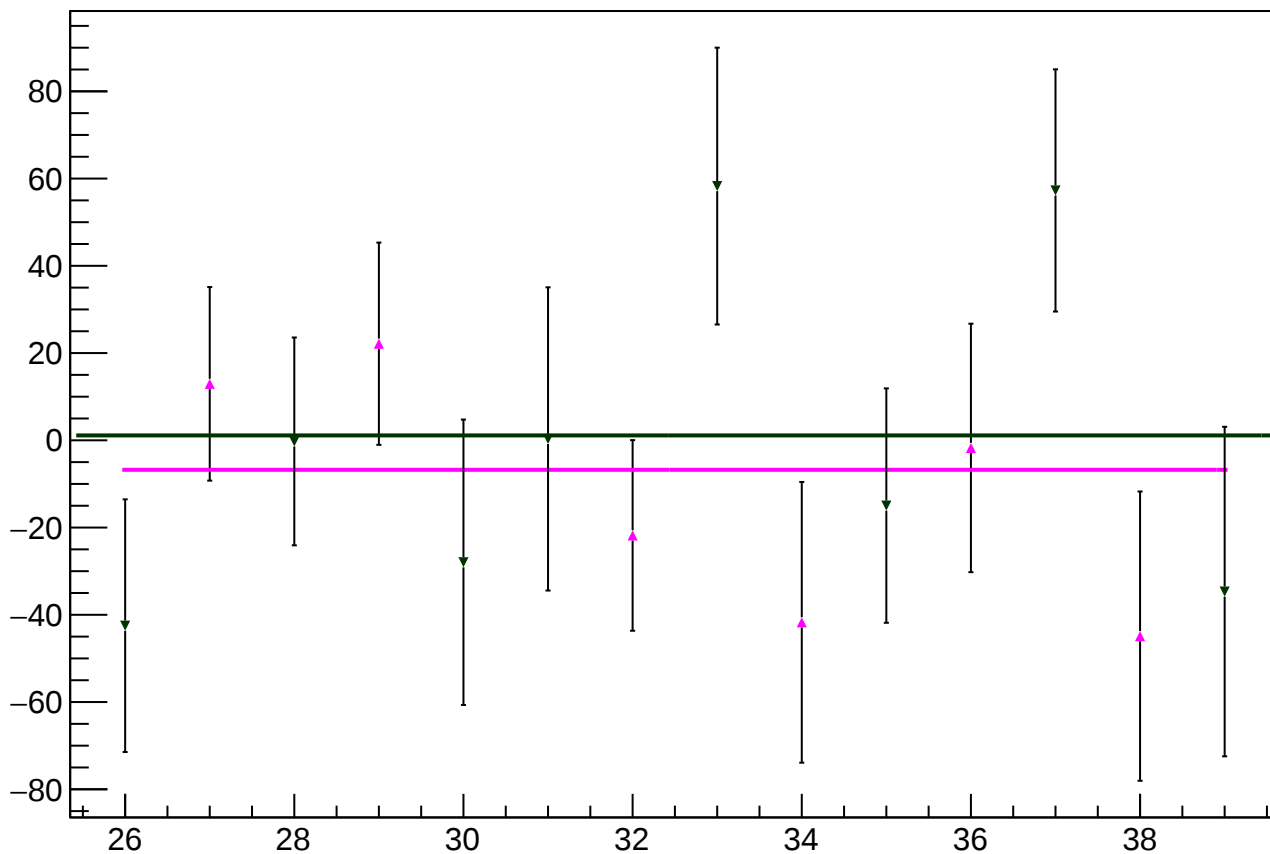
123.913+/-0.043  $\chi^2/\text{NDF}$ : 92534.2/7

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

115.086+/-0.041  $\chi^2/\text{NDF}$ : 142452.6/5

Left In: 115.086+/-0.041  $\chi^2/\text{NDF}$ : 142452.6/5

asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_mean vs slug



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

Left Out: 1.122+/-10.486  $\chi^2/\text{NDF}$ :11.7/7

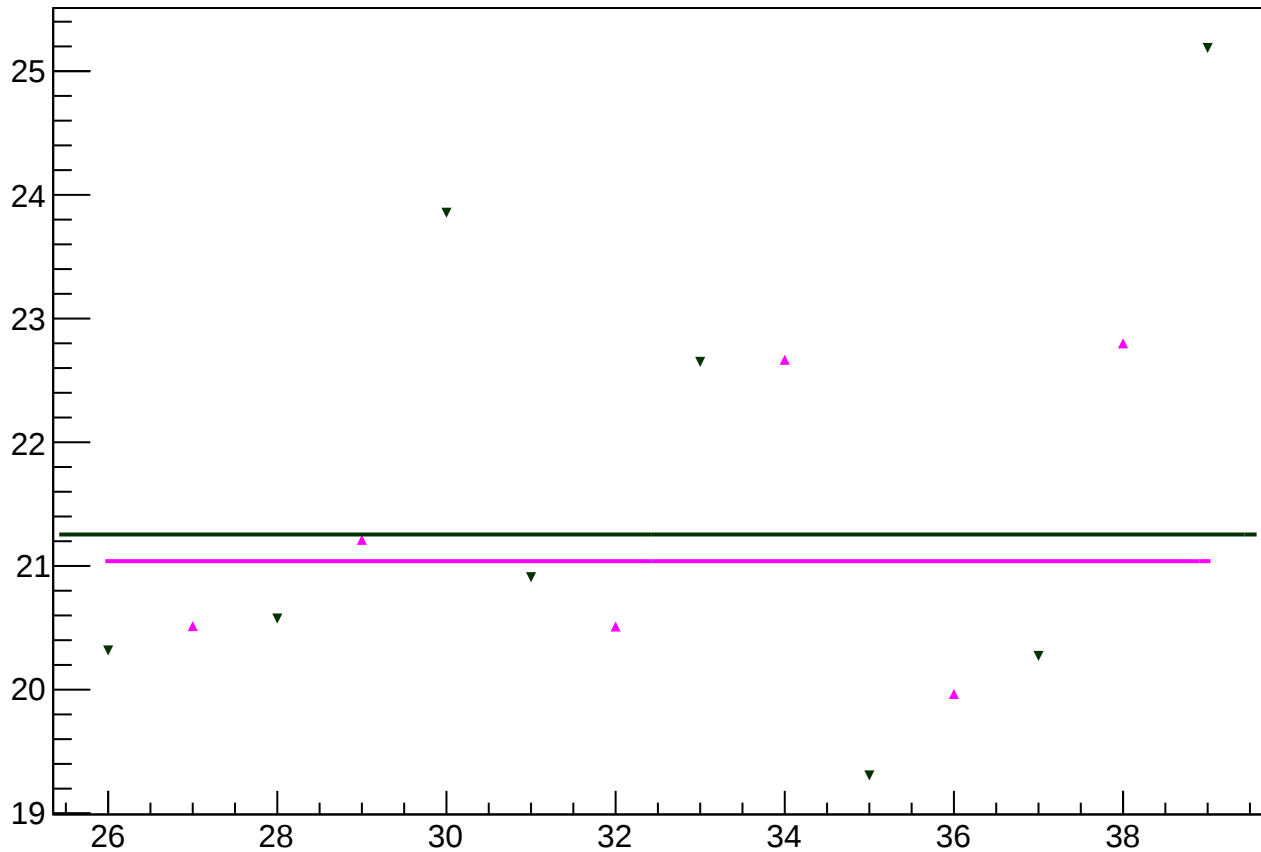
1.122+/-10.486  $\chi^2/\text{NDF}$ : 11.7/7

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

Left In: -6.760+/-10.486  $\chi^2/\text{NDF}$ :5.4/5

-6.760+/-10.486  $\chi^2/\text{NDF}$ : 5.4/5

asym\_bcm\_dg\_us\_bcm\_an\_ds\_agg\_dd\_rms vs slug



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

Left Out: 21.254+/-0.007  $\chi^2/\text{NDF}$ : 55133.7/7

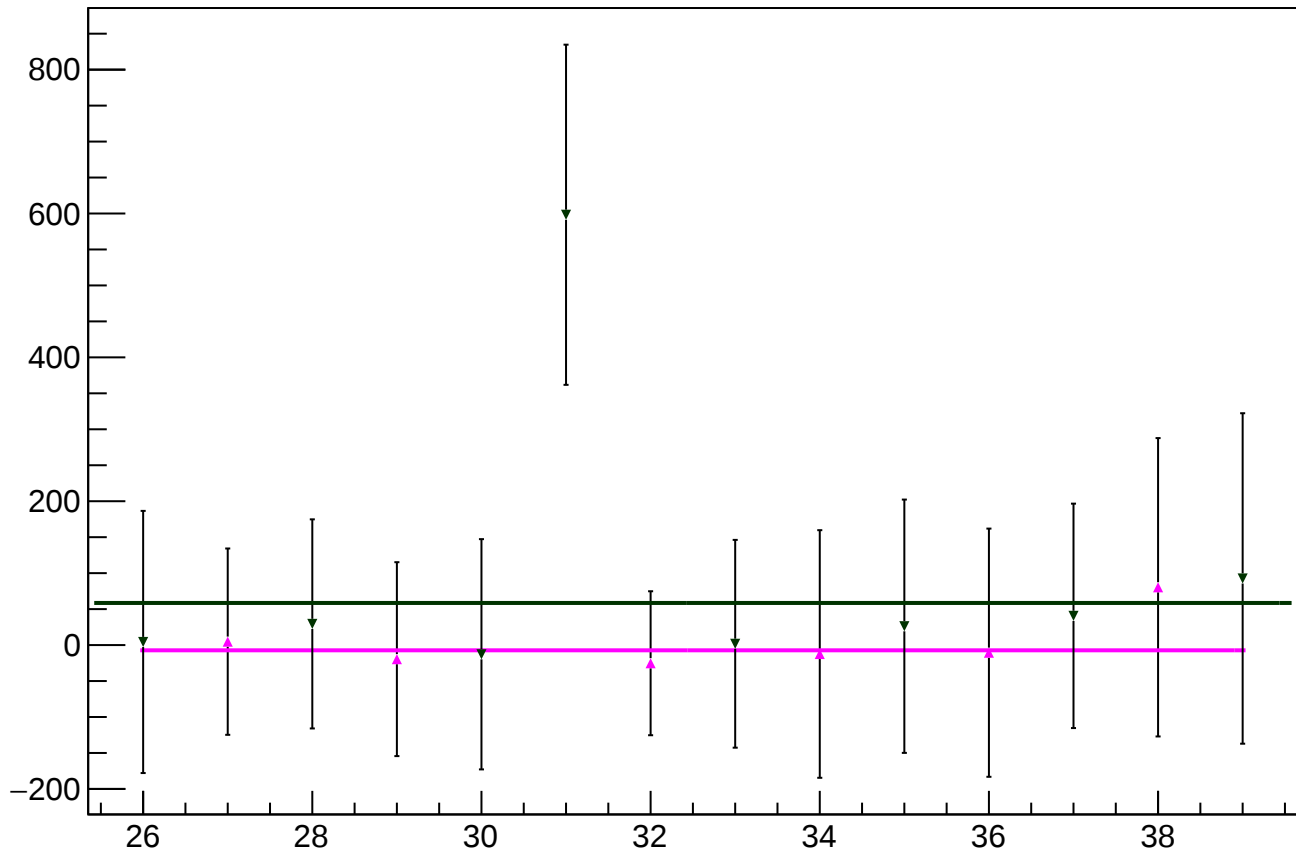
21.254+/-0.007  $\chi^2/\text{NDF}$ : 55133.7/7

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

21.039+/-0.007  $\chi^2/\text{NDF}$ : 16001.8/5

Left In: 21.039+/-0.007  $\chi^2/\text{NDF}$ : 16001.8/5

asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_mean vs slug



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

Left Out: 58.554+/-60.349  $\chi^2/\text{NDF}$ : 5.8/7

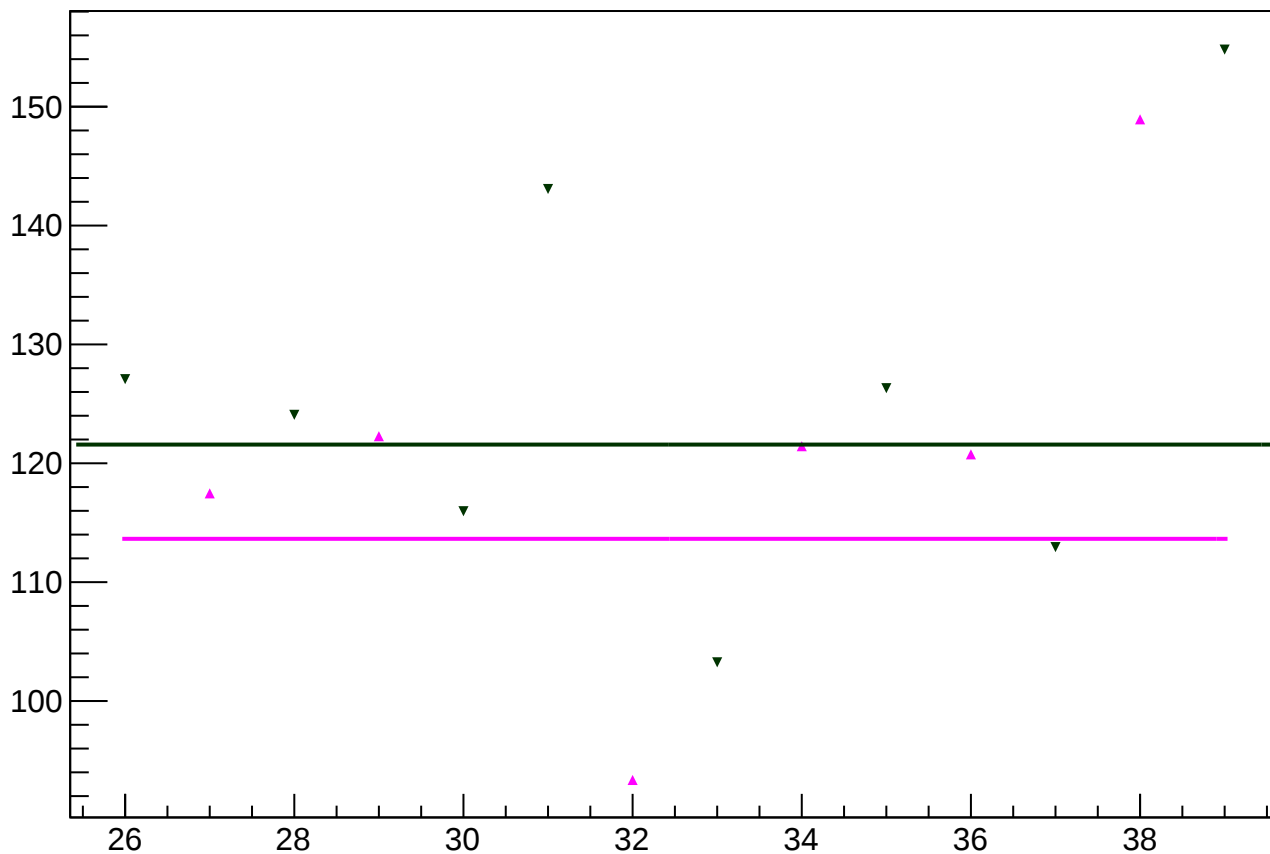
58.554+/-60.349  $\chi^2/\text{NDF}$ : 5.8/7

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

-7.285+/-57.254  $\chi^2/\text{NDF}$ : 0.2/5

Left In: -7.285+/-57.254  $\chi^2/\text{NDF}$ : 0.2/5

asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_avg\_rms vs slug



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

Left Out: 121.574+/-0.043  $\chi^2/\text{NDF}$ : 102991.7/7

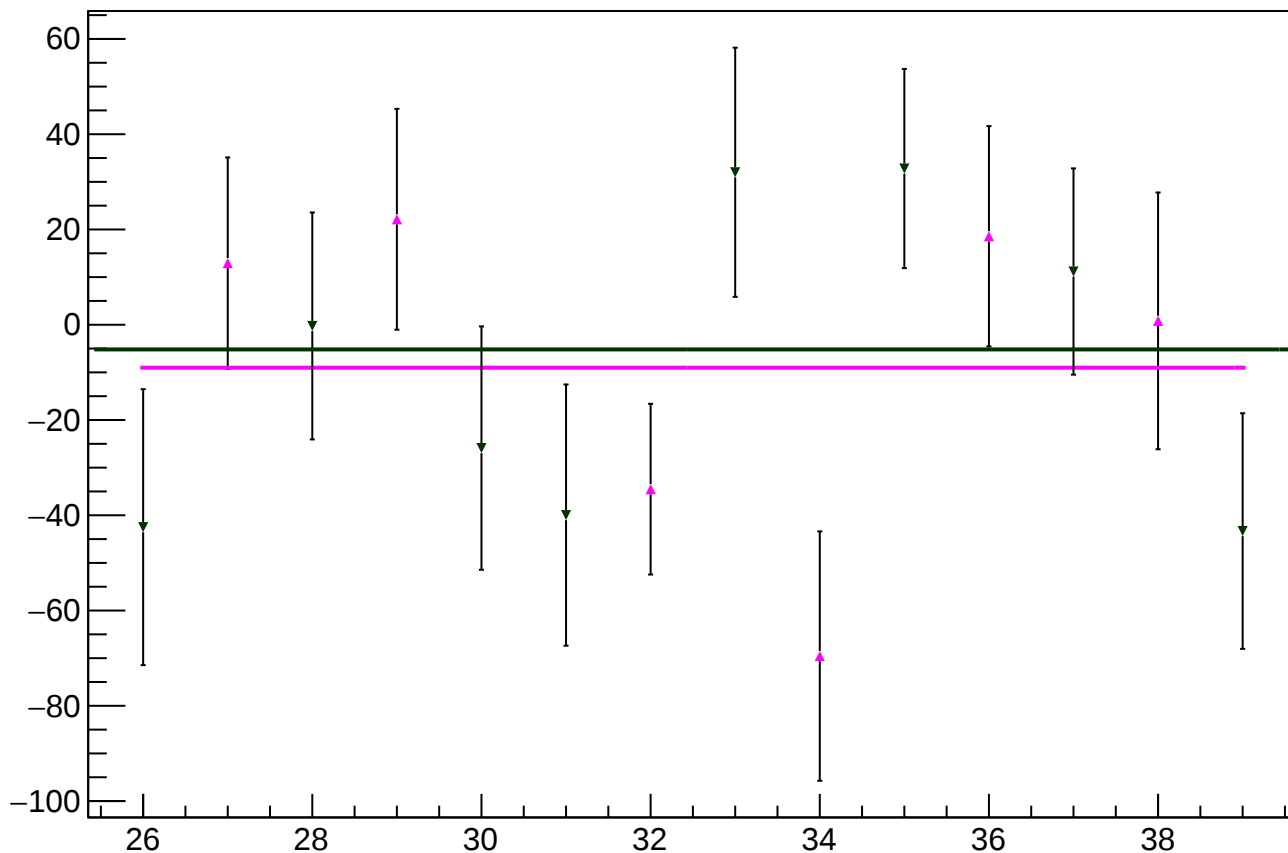
121.574+/-0.043  $\chi^2/\text{NDF}$ : 102991.7/7

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

113.645+/-0.040  $\chi^2/\text{NDF}$ : 157518.2/5

Left In: 113.645+/-0.040  $\chi^2/\text{NDF}$ : 157518.2/5

asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_mean vs slug



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

Left Out: -5.180+/-8.660  $\chi^2/\text{NDF}$ : 12.2/7

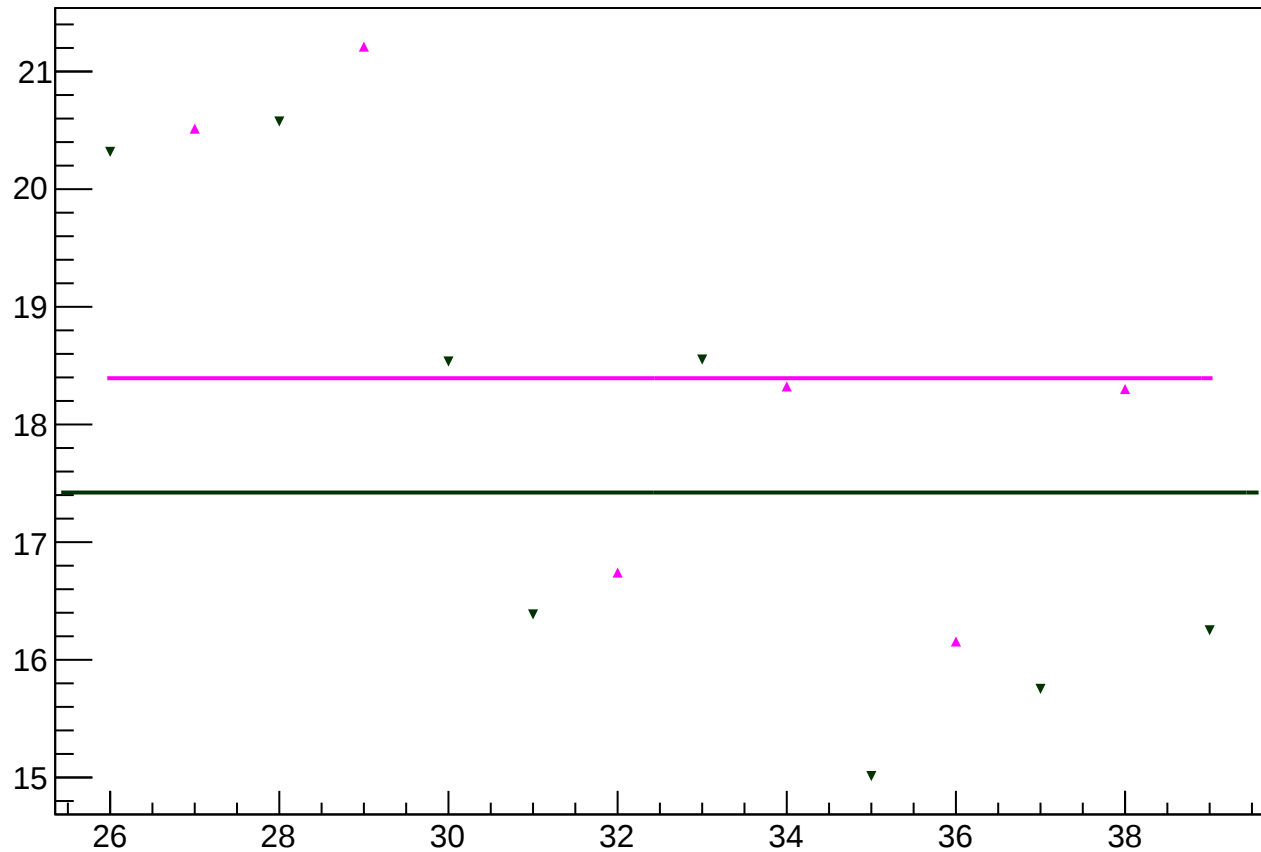
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -9.019+/-9.241  $\chi^2/\text{NDF}$ : 11.7/5

-5.180+/-8.660  $\chi^2/\text{NDF}$ : 12.2/7

-9.019+/-9.241  $\chi^2/\text{NDF}$ : 11.7/5

asym\_bcm\_dg\_ds\_bcm\_an\_ds\_agg\_dd\_rms vs slug



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

Left Out: 17.422+/-0.006  $\chi^2/\text{NDF}$ :108336.7/7

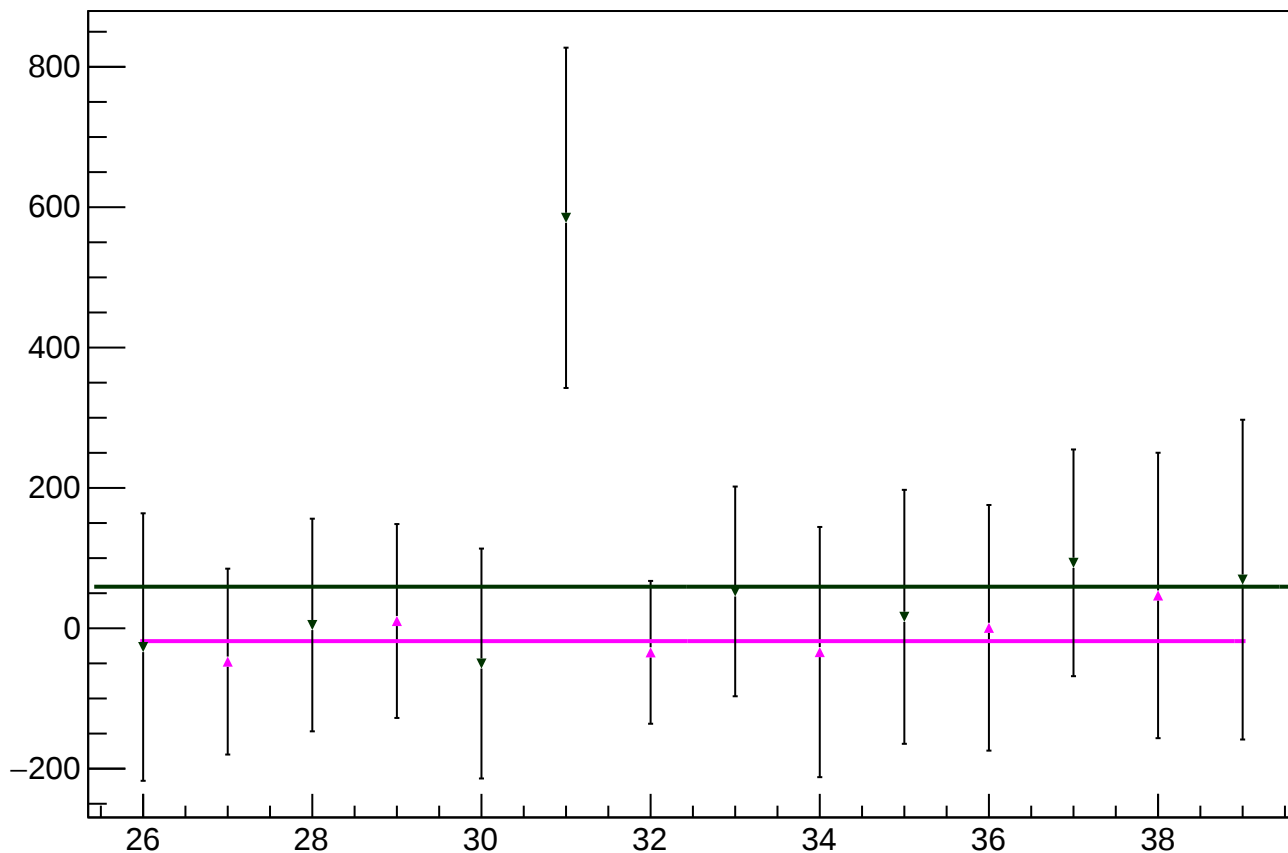
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 18.393+/-0.007  $\chi^2/\text{NDF}$ :83567.1/5

17.422+/-0.006  $\chi^2/\text{NDF}$ : 108336.7/7

18.393+/-0.007  $\chi^2/\text{NDF}$ : 83567.1/5

asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_mean vs slug



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

Left Out: 59.275+/-62.217  $\chi^2/\text{NDF}$ : 5.6/7

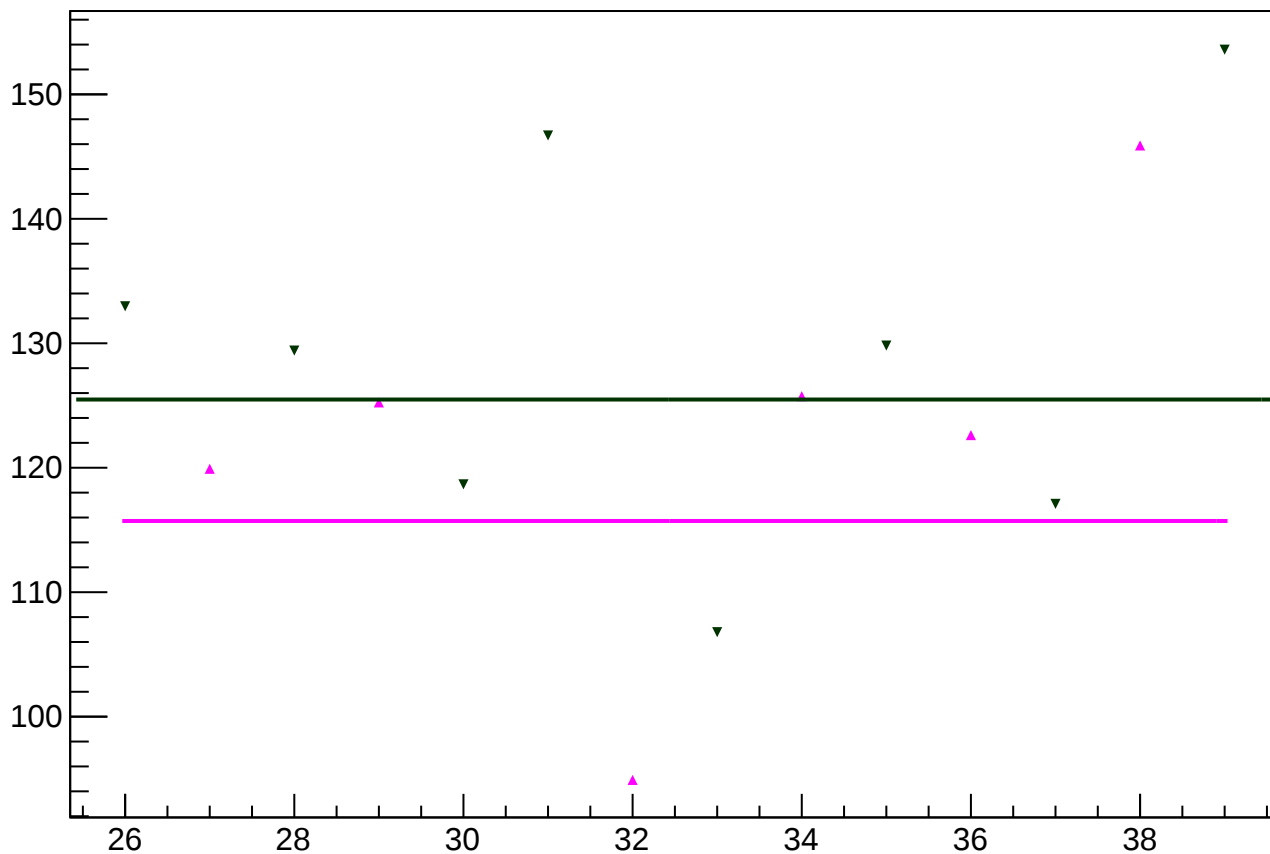
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -18.282+/-58.290  $\chi^2/\text{NDF}$ : 0.2/5

59.275+/-62.217  $\chi^2/\text{NDF}$ : 5.6/7

-18.282+/-58.290  $\chi^2/\text{NDF}$ : 0.2/5

asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_avg\_rms vs slug



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

Left Out: 125.481+/-0.044  $\chi^2/\text{NDF}$ : 91506.5/7

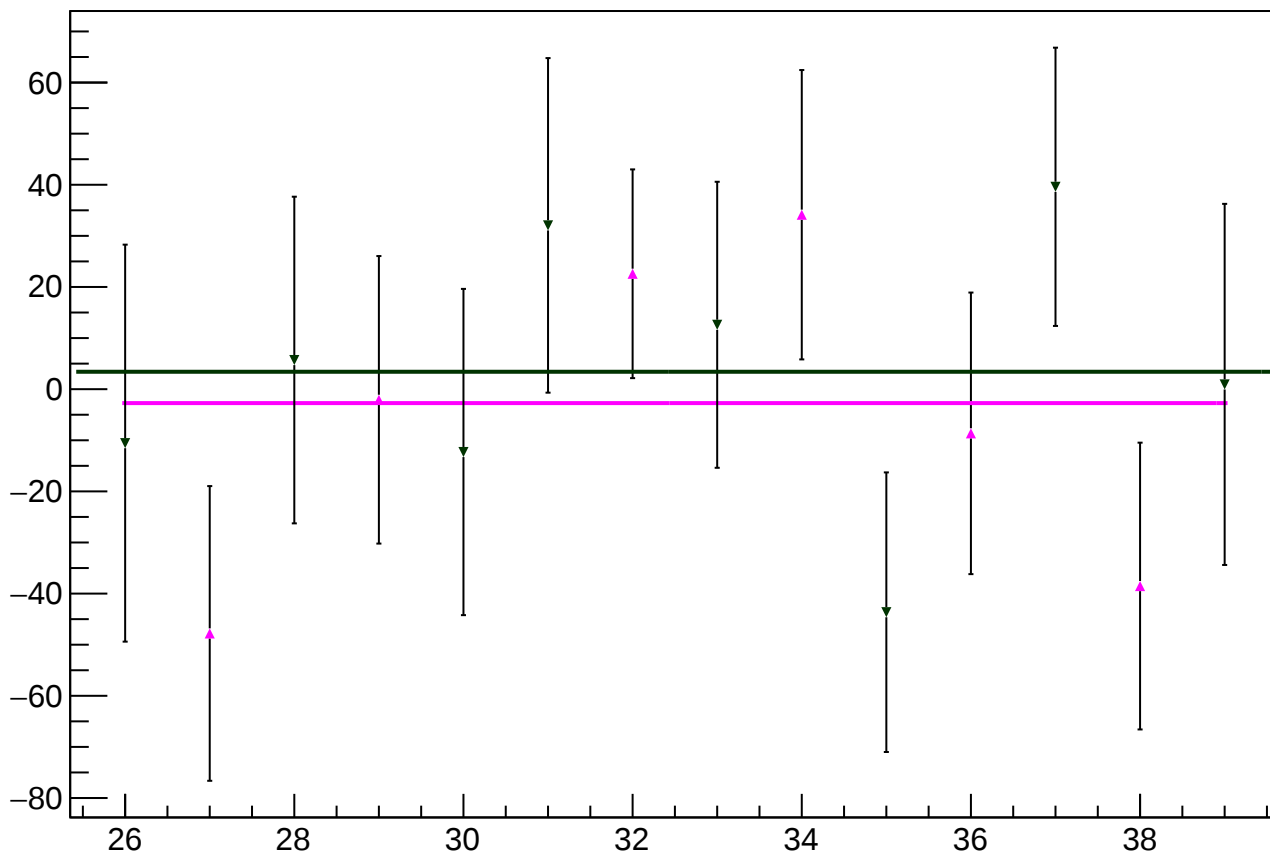
125.481+/-0.044  $\chi^2/\text{NDF}$ : 91506.5/7

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

115.722+/-0.041  $\chi^2/\text{NDF}$ : 148595.6/5

Left In: 115.722+/-0.041  $\chi^2/\text{NDF}$ : 148595.6/5

asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_dd\_mean vs slug



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

Left Out: 3.409+/-10.963  $\chi^2/\text{NDF}$ : 6.0/7

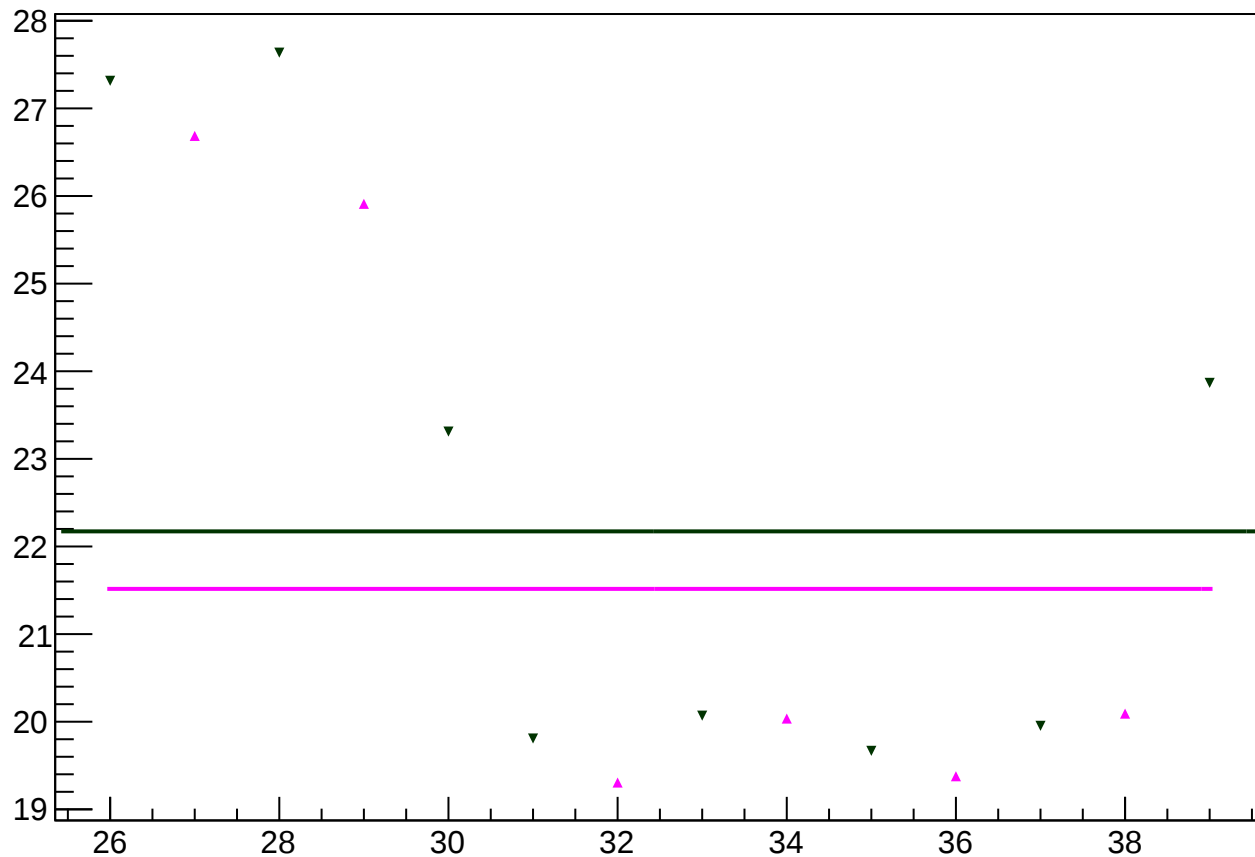
3.409+/-10.963  $\chi^2/\text{NDF}$ : 6.0/7

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

Left In: -2.724+/-10.721  $\chi^2/\text{NDF}$ : 7.3/5

-2.724+/-10.721  $\chi^2/\text{NDF}$ : 7.3/5

asym\_bcm\_dg\_us\_bcm\_dg\_ds\_agg\_dd\_rms vs slug



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

Left Out: 22.172+/-0.008  $\chi^2/\text{NDF}$ :152443.3/7

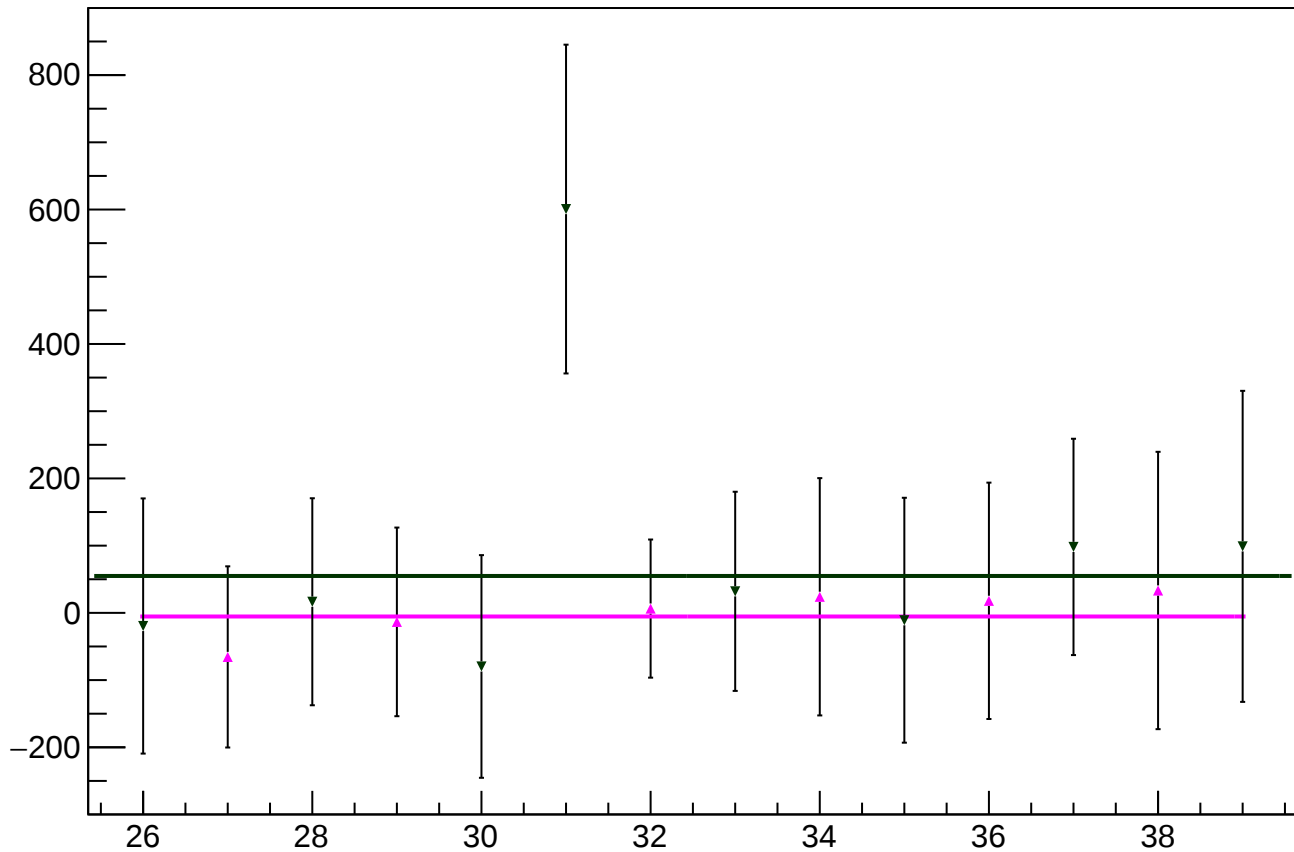
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 21.516+/-0.008  $\chi^2/\text{NDF}$ :159193.0/5

22.172+/-0.008  $\chi^2/\text{NDF}$ : 152443.3/7

21.516+/-0.008  $\chi^2/\text{NDF}$ : 159193.0/5

asym\_bcm\_dg\_us\_cav4cQ\_agg\_avg\_mean vs slug



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

Left Out: 54.894+/-62.484  $\chi^2/\text{NDF}$ : 6.1/7

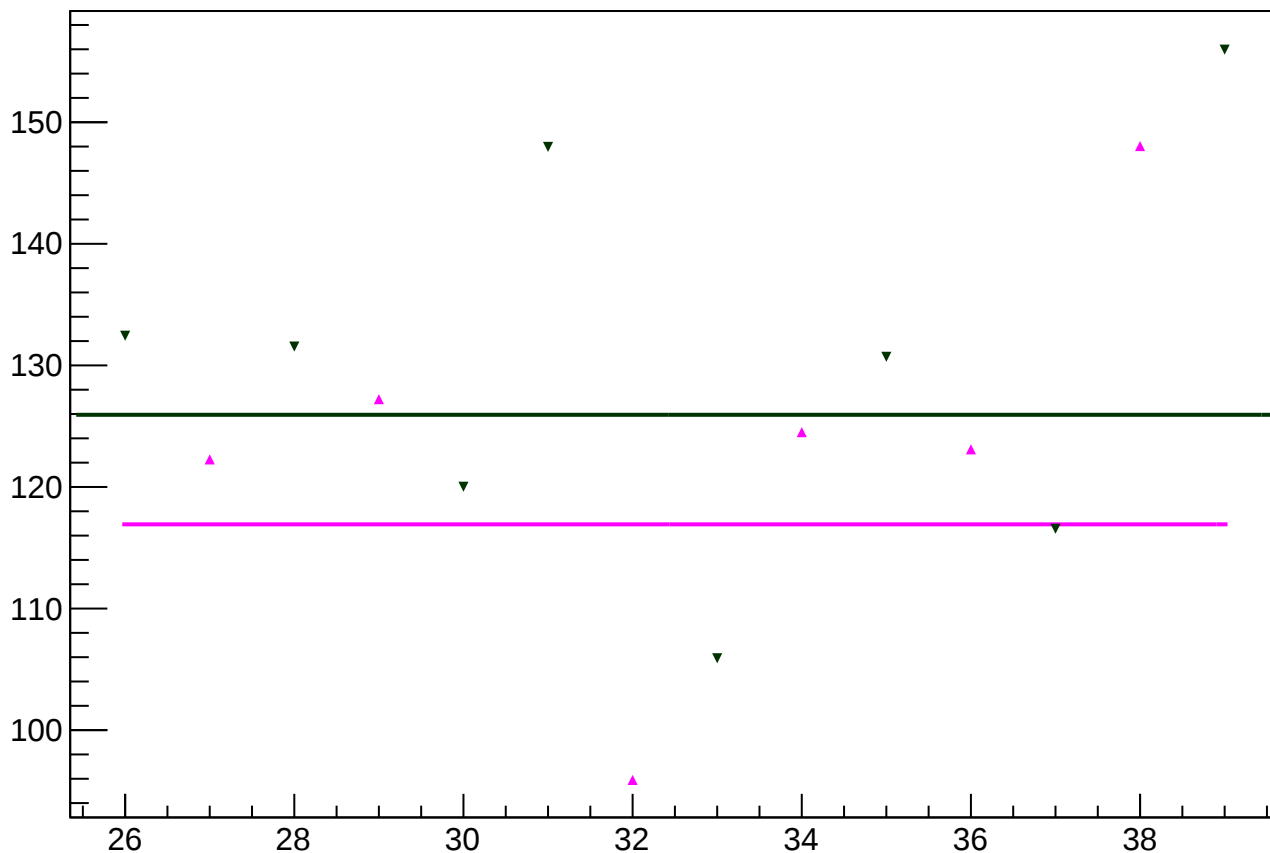
54.894+/-62.484  $\chi^2/\text{NDF}$ : 6.1/7

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

-5.395+/-58.871  $\chi^2/\text{NDF}$ : 0.3/5

Left In: -5.395+/-58.871  $\chi^2/\text{NDF}$ : 0.3/5

asym\_bcm\_dg\_us\_cav4cQ\_agg\_avg\_rms vs slug



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

Left Out: 125.937+/-0.044  $\chi^2/\text{NDF}$ :102208.1/7

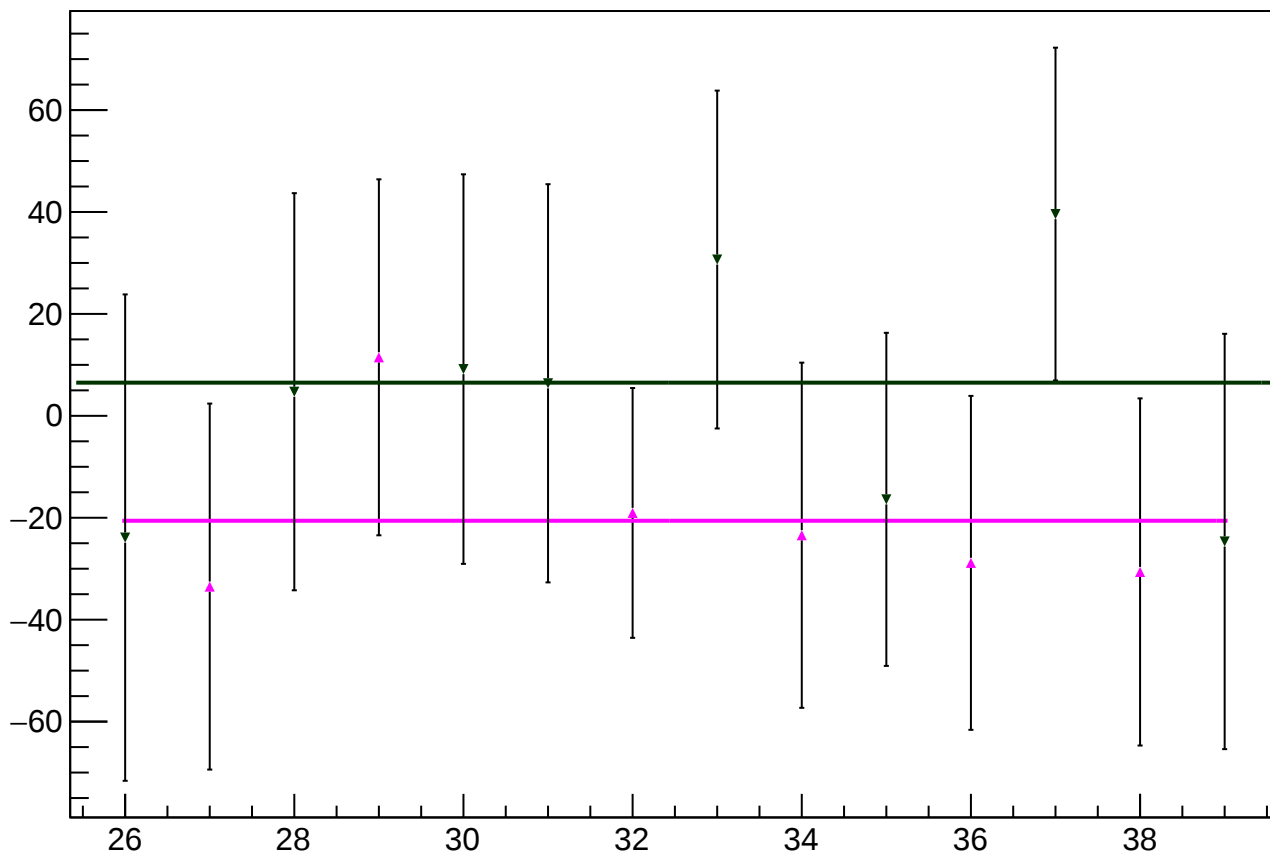
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 116.927+/-0.042  $\chi^2/\text{NDF}$ :149282.5/5

125.937+/-0.044  $\chi^2/\text{NDF}$ : 102208.1/7

116.927+/-0.042  $\chi^2/\text{NDF}$ : 149282.5/5

asym\_bcm\_dg\_us\_cav4cQ\_agg\_dd\_mean vs slug



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

Left Out: 6.511+/-13.104  $\chi^2/\text{NDF}$ : 3.0/7

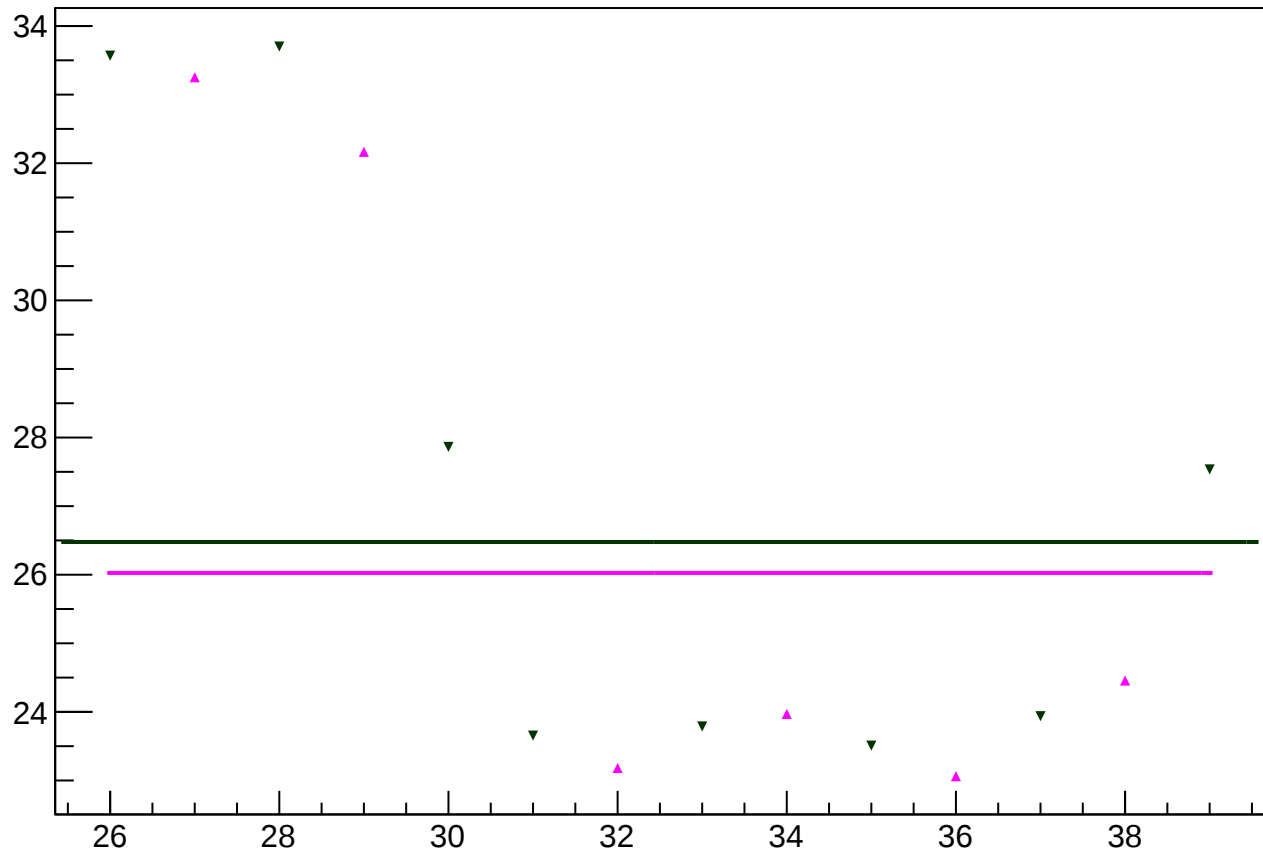
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -20.590+/-12.991  $\chi^2/\text{NDF}$ : 1.1/5

6.511+/-13.104  $\chi^2/\text{NDF}$ : 3.0/7

-20.590+/-12.991  $\chi^2/\text{NDF}$ : 1.1/5

asym\_bcm\_dg\_us\_cav4cQ\_agg\_dd\_rms vs slug



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

Left Out: 26.477+/-0.009  $\chi^2/\text{NDF}$ :169081.6/7

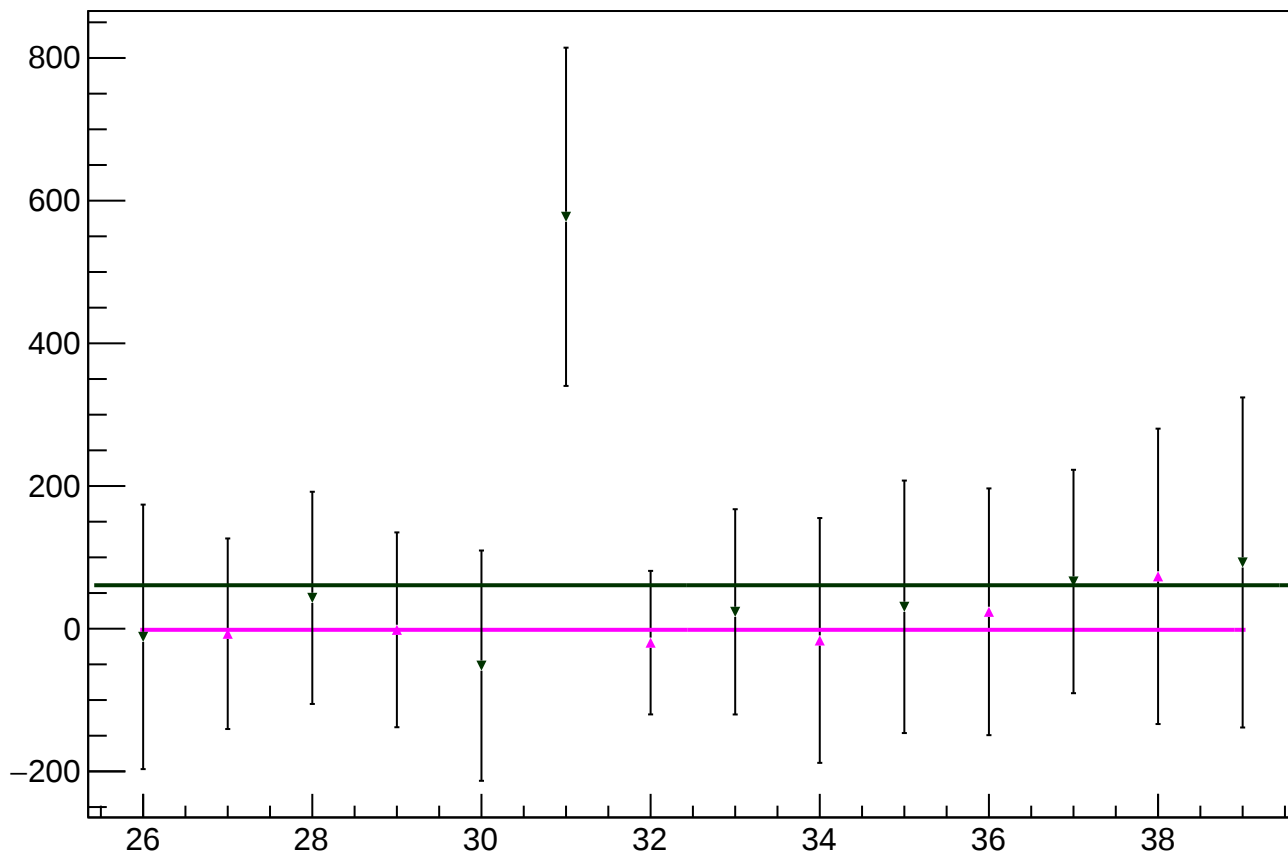
26.477+/-0.009  $\chi^2/\text{NDF}$ : 169081.6/7

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

26.026+/-0.009  $\chi^2/\text{NDF}$ : 197707.0/5

Left In: 26.026+/-0.009  $\chi^2/\text{NDF}$ :197707.0/5

asym\_bcm\_dg\_ds\_cav4cQ\_agg\_avg\_mean vs slug



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

Left Out: 60.912+/-60.833  $\chi^2/\text{NDF}$ : 5.5/7

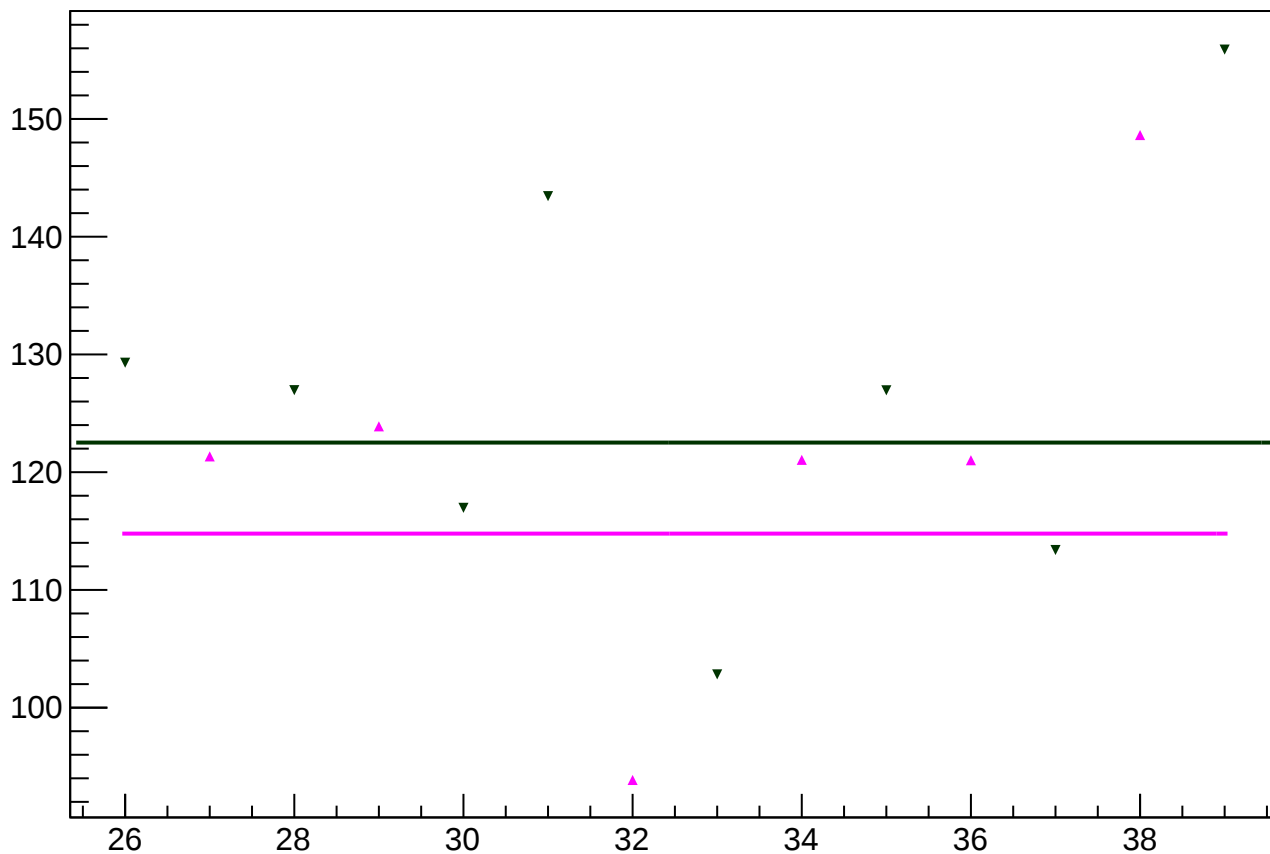
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1.565+/-57.809  $\chi^2/\text{NDF}$ : 0.2/5

60.912+/-60.833  $\chi^2/\text{NDF}$ : 5.5/7

-1.565+/-57.809  $\chi^2/\text{NDF}$ : 0.2/5

asym\_bcm\_dg\_ds\_cav4cQ\_agg\_avg\_rms vs slug



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

Left Out: 122.515+/-0.043  $\chi^2/\text{NDF}$ : 109554.6/7

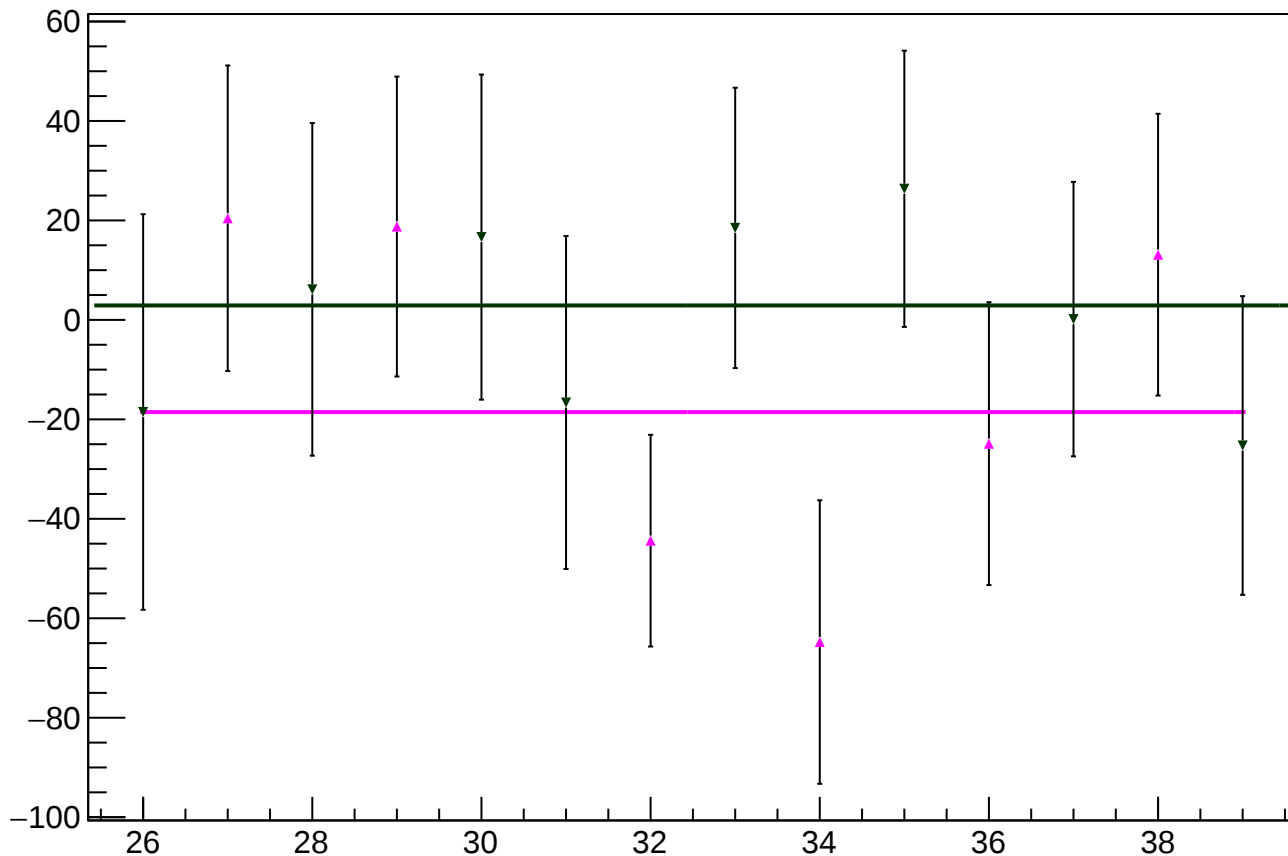
122.515+/-0.043  $\chi^2/\text{NDF}$ : 109554.6/7

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

114.783+/-0.041  $\chi^2/\text{NDF}$ : 158975.9/5

Left In: 114.783+/-0.041  $\chi^2/\text{NDF}$ : 158975.9/5

asym\_bcm\_dg\_ds\_cav4cQ\_agg\_dd\_mean vs slug



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

Left Out: 2.905 $\pm$ 10.955  $\chi^2$ /NDF:2.7/7

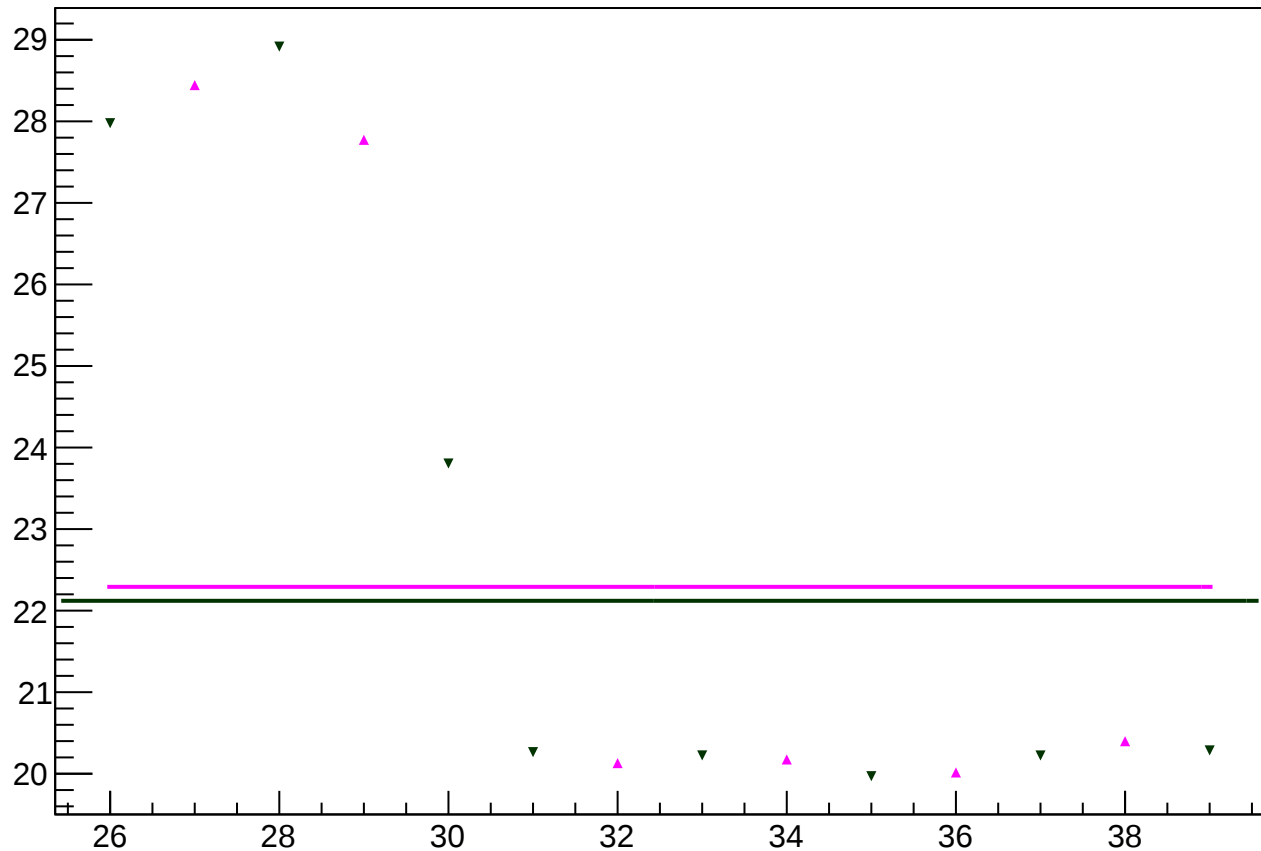
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -18.542 $\pm$ 11.125  $\chi^2$ /NDF:8.5/5

2.905 $\pm$ 10.955  $\chi^2$ /NDF: 2.7/7

-18.542 $\pm$ 11.125  $\chi^2$ /NDF: 8.5/5

asym\_bcm\_dg\_ds\_cav4cQ\_agg\_dd\_rms vs slug



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

Left Out: 22.120+/-0.008  $\chi^2/\text{NDF}$ :175401.0/7

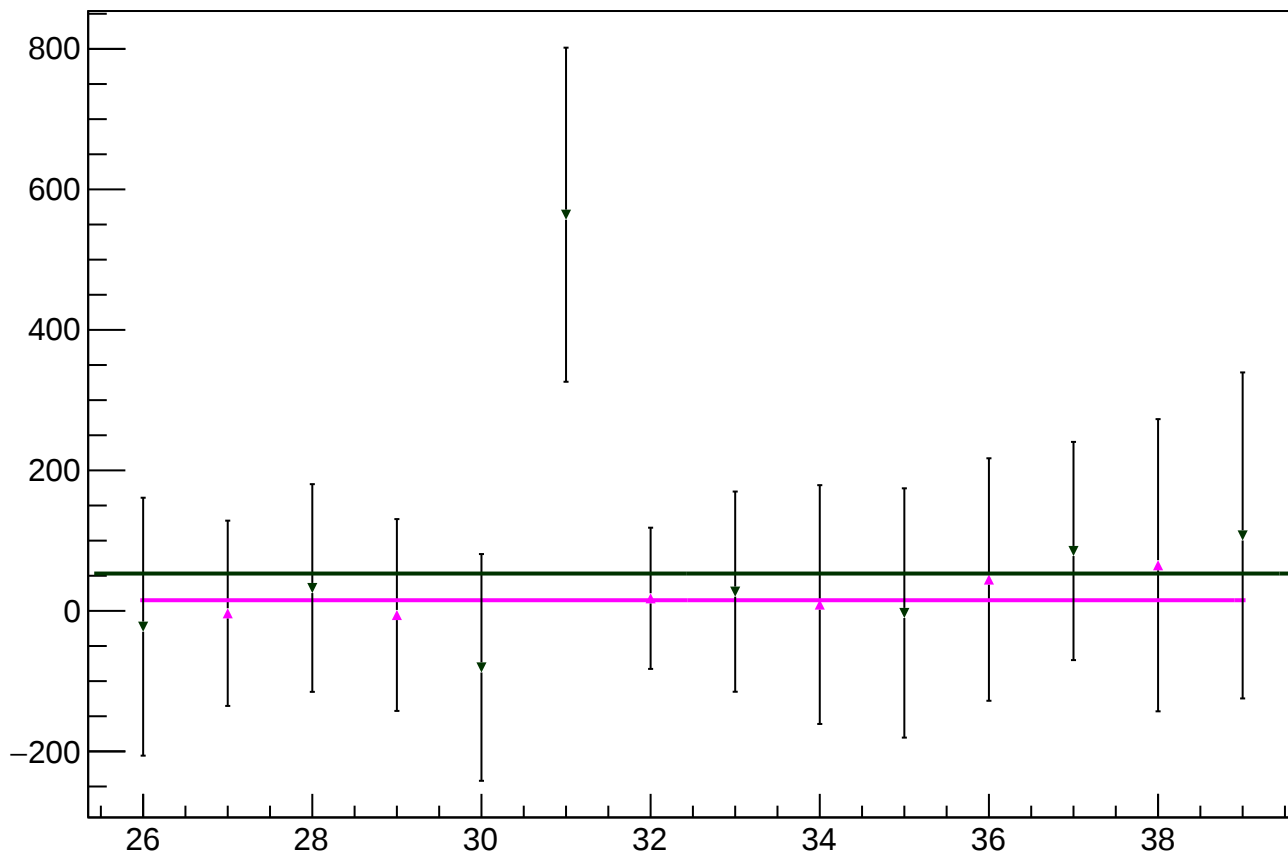
22.120+/-0.008  $\chi^2/\text{NDF}$ : 175401.0/7

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

22.292+/-0.008  $\chi^2/\text{NDF}$ : 199712.1/5

Left In: 22.292+/-0.008  $\chi^2/\text{NDF}$ :199712.1/5

asym\_bcm\_an\_us\_cav4cQ\_agg\_avg\_mean vs slug



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

Left Out: 53.160+/-60.574  $\chi^2/\text{NDF}$ : 5.7/7

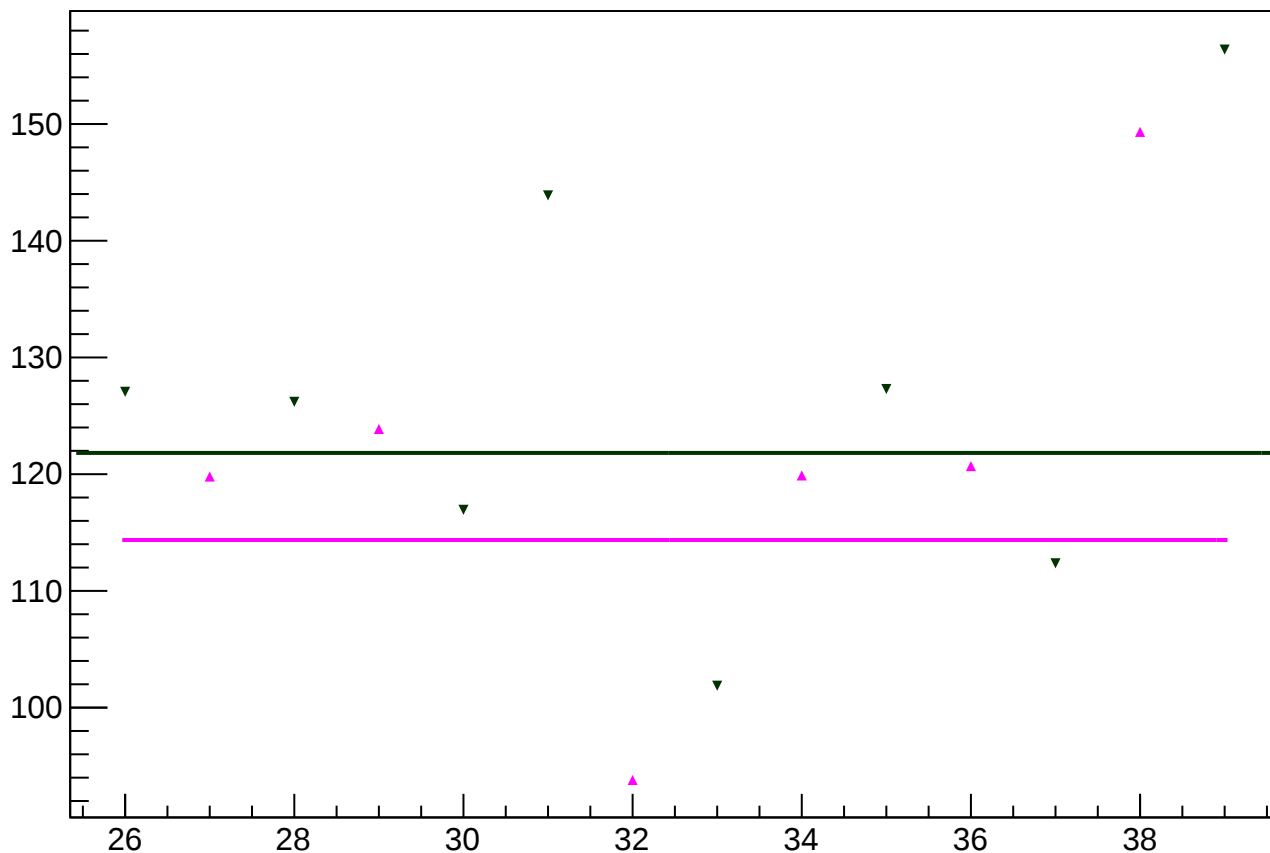
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 15.169+/-57.600  $\chi^2/\text{NDF}$ : 0.1/5

53.160+/-60.574  $\chi^2/\text{NDF}$ : 5.7/7

15.169+/-57.600  $\chi^2/\text{NDF}$ : 0.1/5

asym\_bcm\_an\_us\_cav4cQ\_agg\_avg\_rms vs slug



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

Left Out: 121.822+/-0.043  $\chi^2/\text{NDF}$ : 115270.4/7

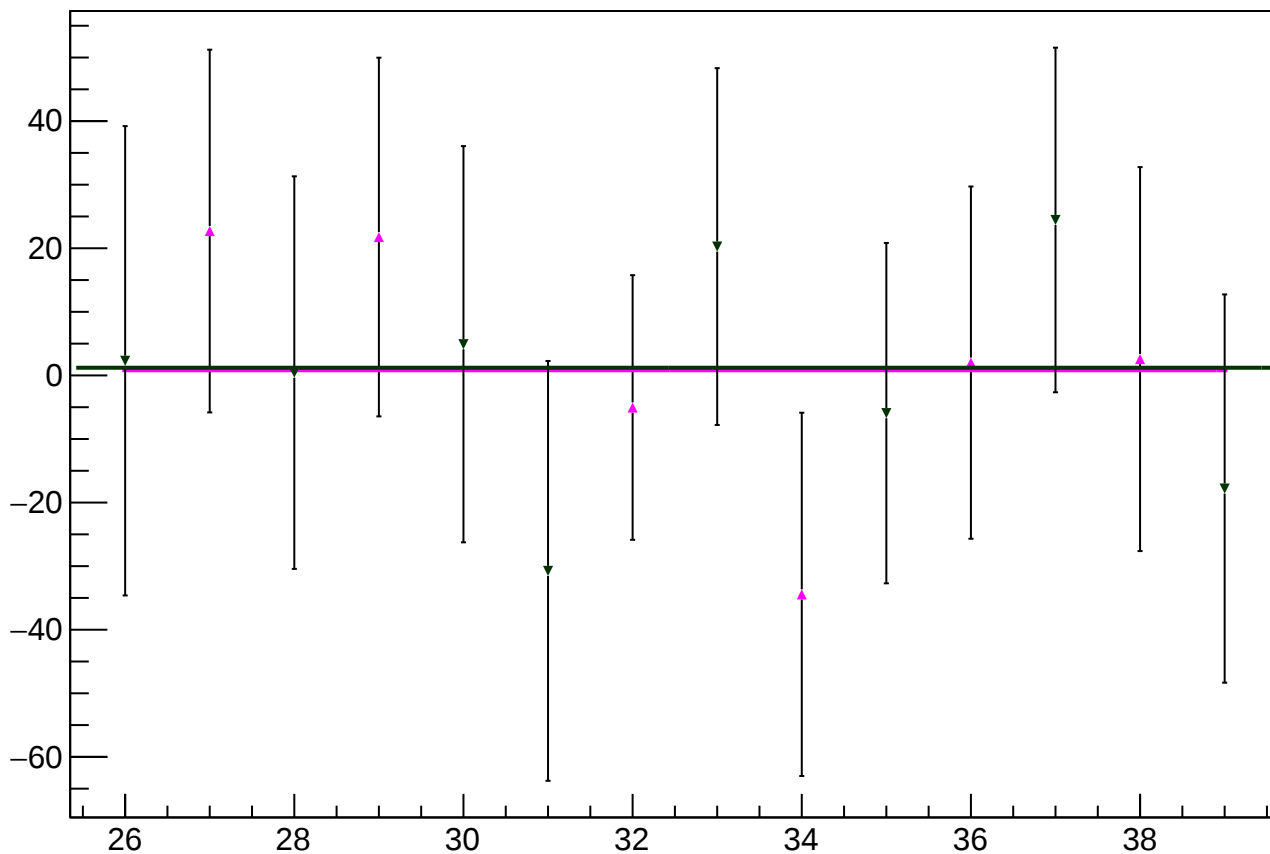
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 114.363+/-0.041  $\chi^2/\text{NDF}$ : 158106.5/5

121.822+/-0.043  $\chi^2/\text{NDF}$ : 115270.4/7

114.363+/-0.041  $\chi^2/\text{NDF}$ : 158106.5/5

asym\_bcm\_an\_us\_cav4cQ\_agg\_dd\_mean vs slug



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

Left Out: 1.208+/-10.642  $\chi^2/\text{NDF}$ : 2.6/7

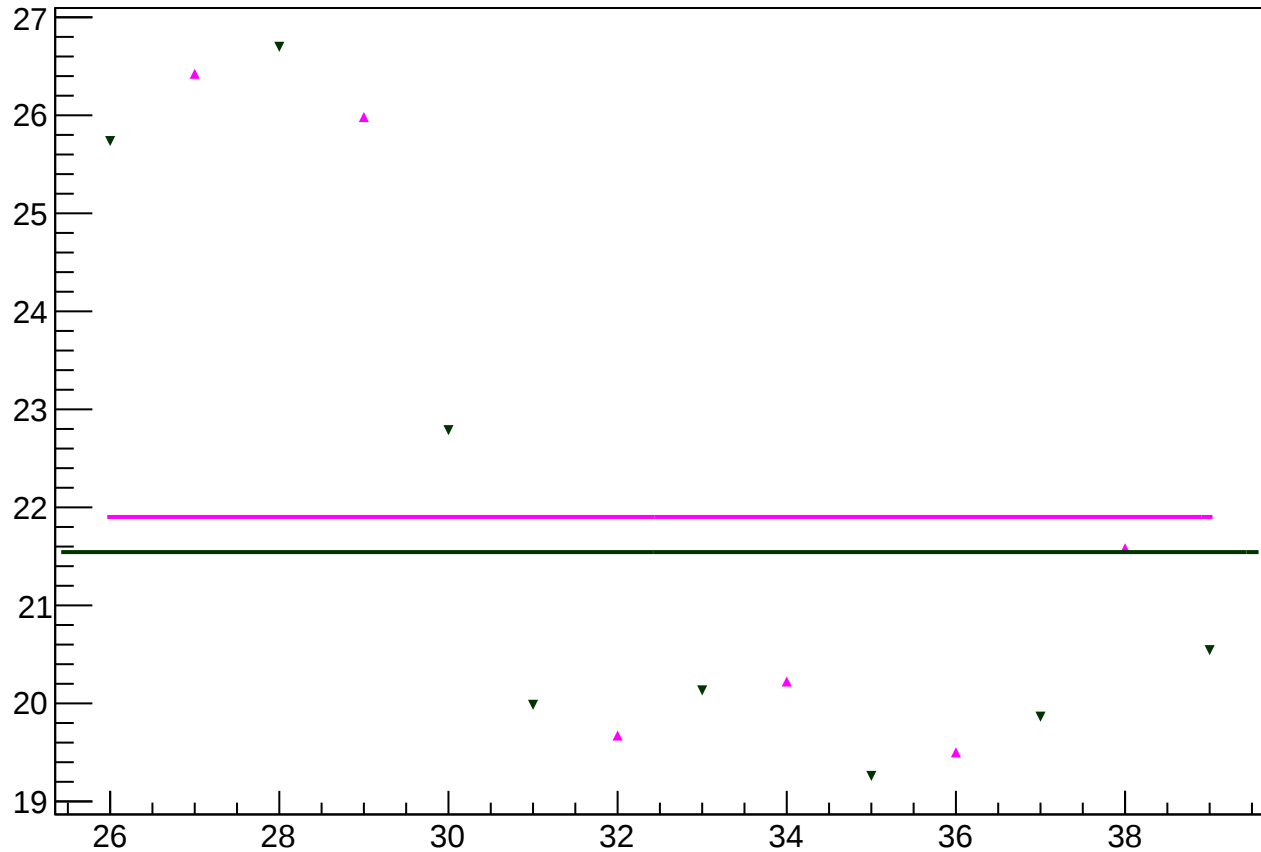
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.814+/-10.899  $\chi^2/\text{NDF}$ : 2.7/5

1.208+/-10.642  $\chi^2/\text{NDF}$ : 2.6/7

0.814+/-10.899  $\chi^2/\text{NDF}$ : 2.7/5

asym\_bcm\_an\_us\_cav4cQ\_agg\_dd\_rms vs slug



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

Left Out: 21.544+/-0.008  $\chi^2/\text{NDF}$ :118649.8/7

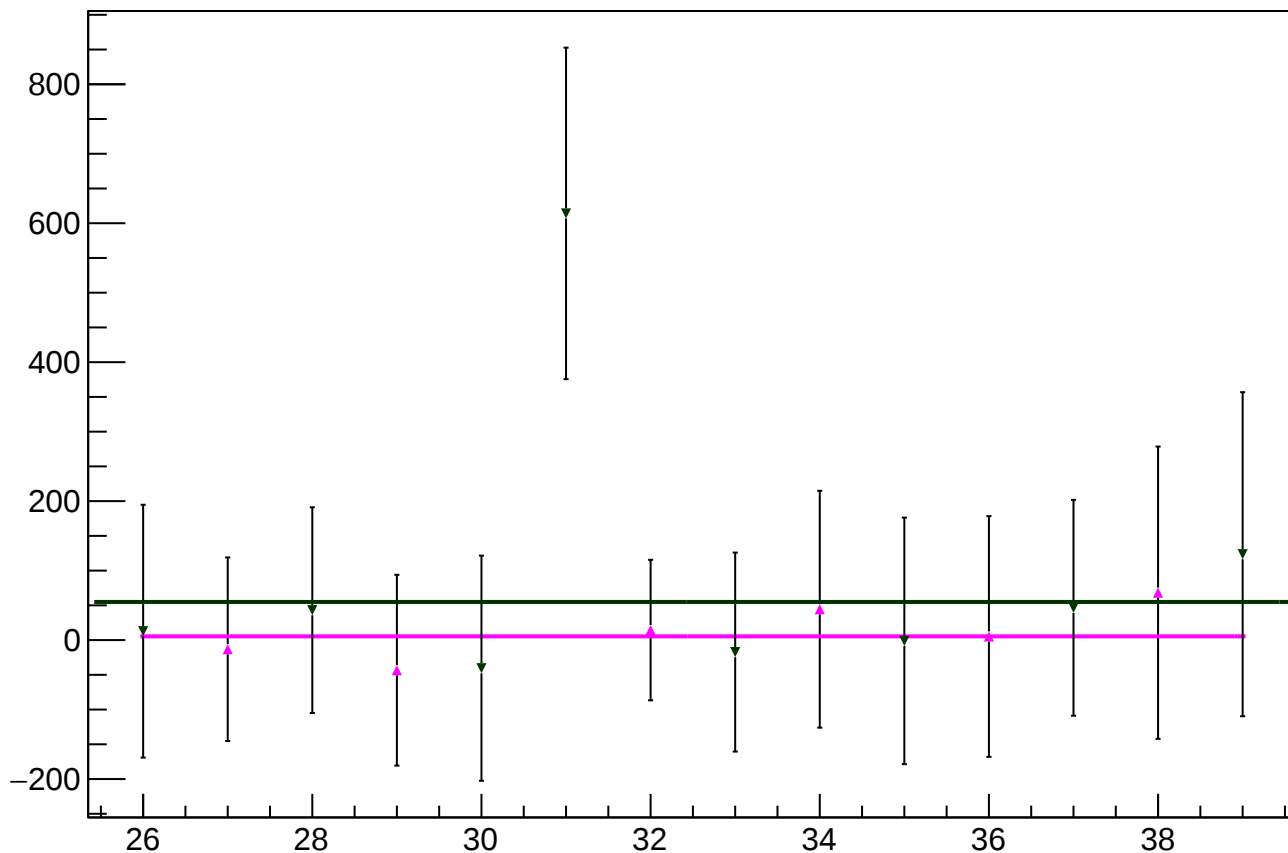
21.544+/-0.008  $\chi^2/\text{NDF}$ : 118649.8/7

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

21.902+/-0.008  $\chi^2/\text{NDF}$ : 137204.4/5

Left In: 21.902+/-0.008  $\chi^2/\text{NDF}$ :137204.4/5

asym\_bcm\_an\_ds\_cav4cQ\_agg\_avg\_mean vs slug



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

Left Out: 54.883+/-60.651  $\chi^2/\text{NDF}$ : 6.3/7

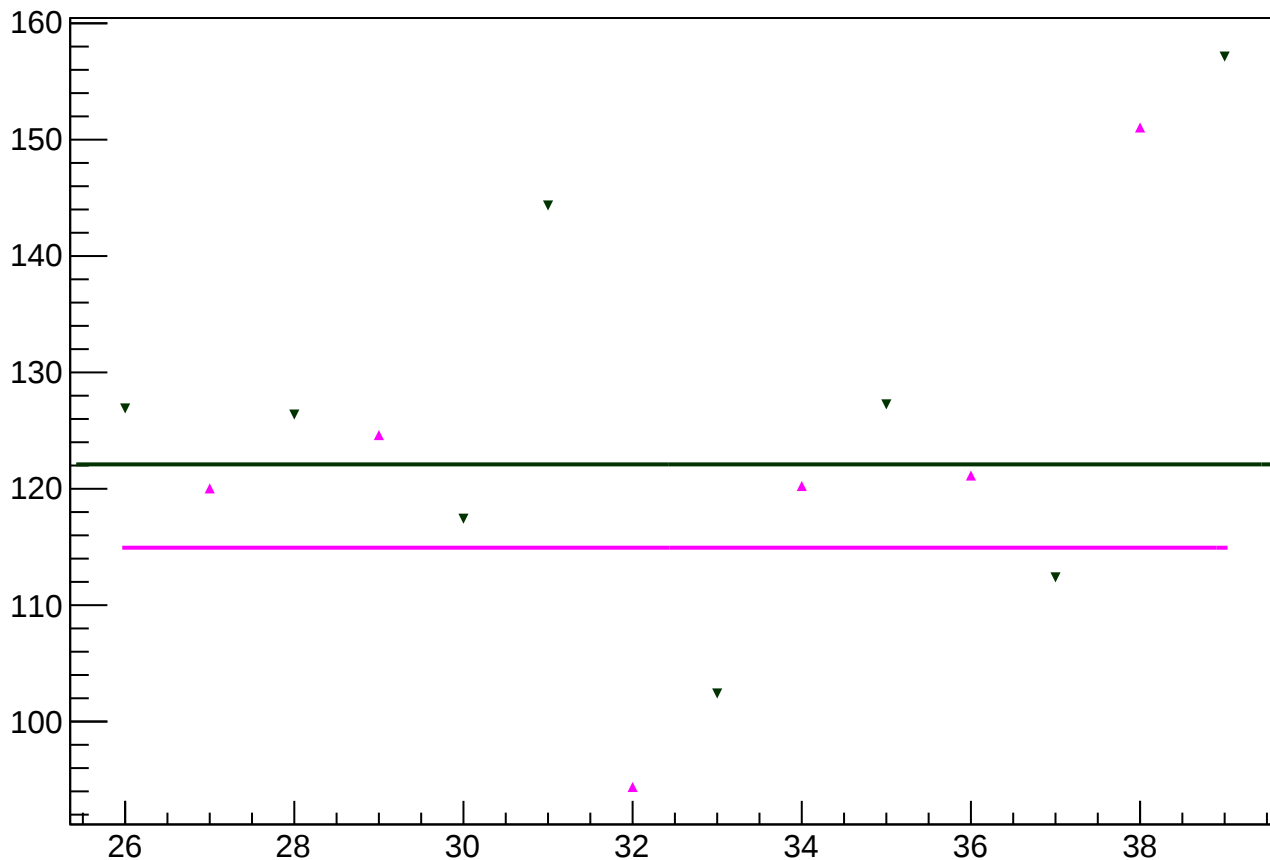
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 5.356+/-57.883  $\chi^2/\text{NDF}$ : 0.3/5

54.883+/-60.651  $\chi^2/\text{NDF}$ : 6.3/7

5.356+/-57.883  $\chi^2/\text{NDF}$ : 0.3/5

asym\_bcm\_an\_ds\_cav4cQ\_agg\_avg\_rms vs slug



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

Left Out: 122.097+/-0.043  $\chi^2/\text{NDF}$ :114560.5/7

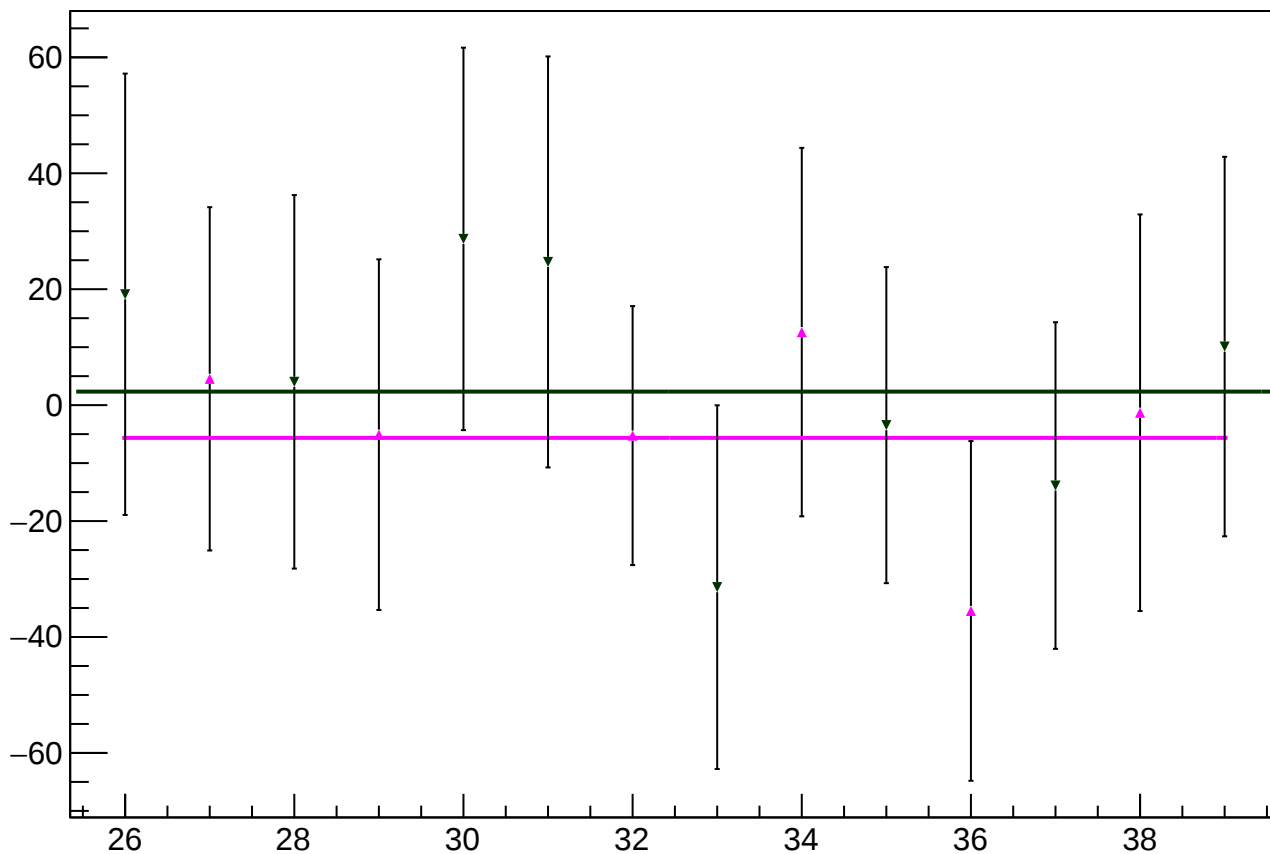
122.097+/-0.043  $\chi^2/\text{NDF}$ : 114560.5/7

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

114.938+/-0.041  $\chi^2/\text{NDF}$ : 159049.8/5

Left In: 114.938+/-0.041  $\chi^2/\text{NDF}$ :159049.8/5

asym\_bcm\_an\_ds\_cav4cQ\_agg\_dd\_mean vs slug



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

Left Out: 2.332+/-11.235  $\chi^2/\text{NDF}$ : 2.8/7

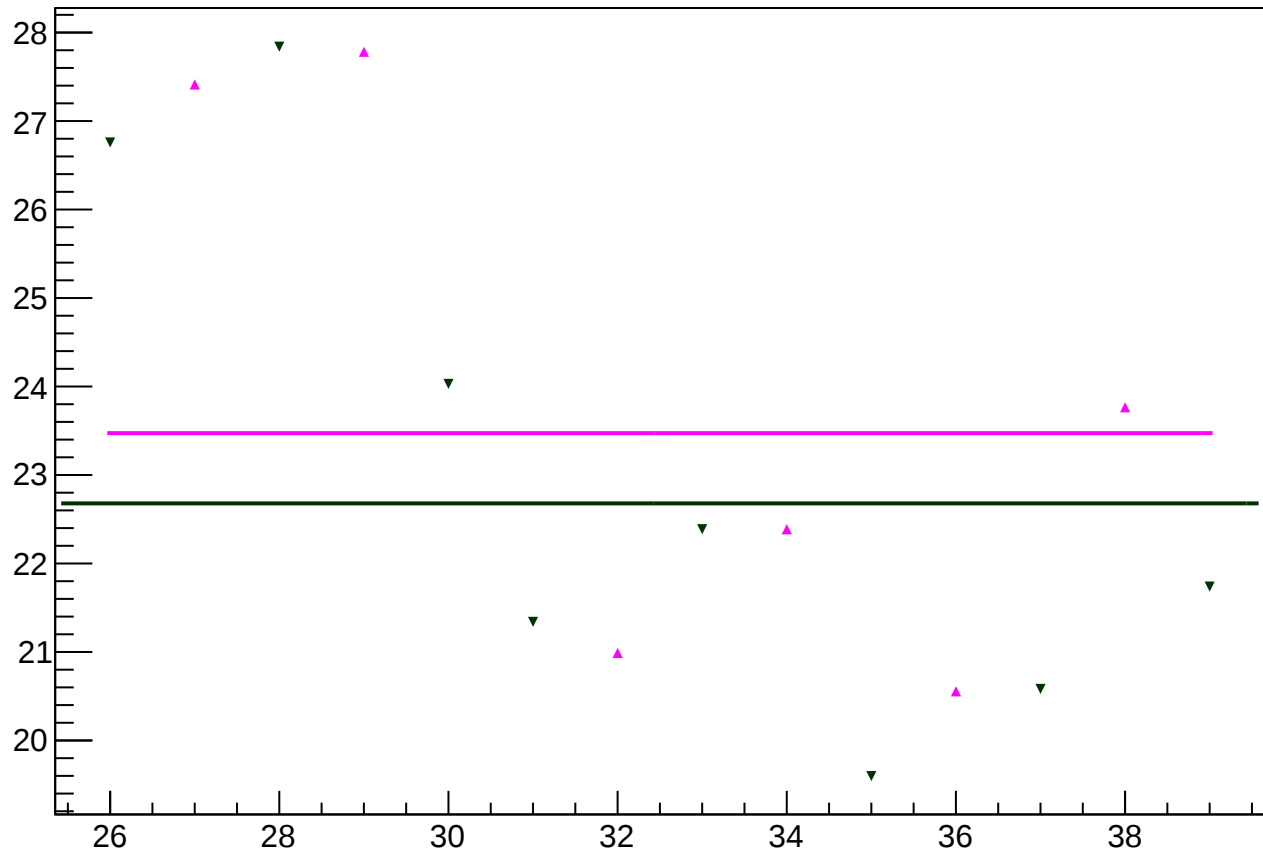
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -5.646+/-11.747  $\chi^2/\text{NDF}$ : 1.5/5

2.332+/-11.235  $\chi^2/\text{NDF}$ : 2.8/7

-5.646+/-11.747  $\chi^2/\text{NDF}$ : 1.5/5

asym\_bcm\_an\_ds\_cav4cQ\_agg\_dd\_rms vs slug



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

Left Out: 22.679+/-0.008  $\chi^2/\text{NDF}$ : 118929.3/7

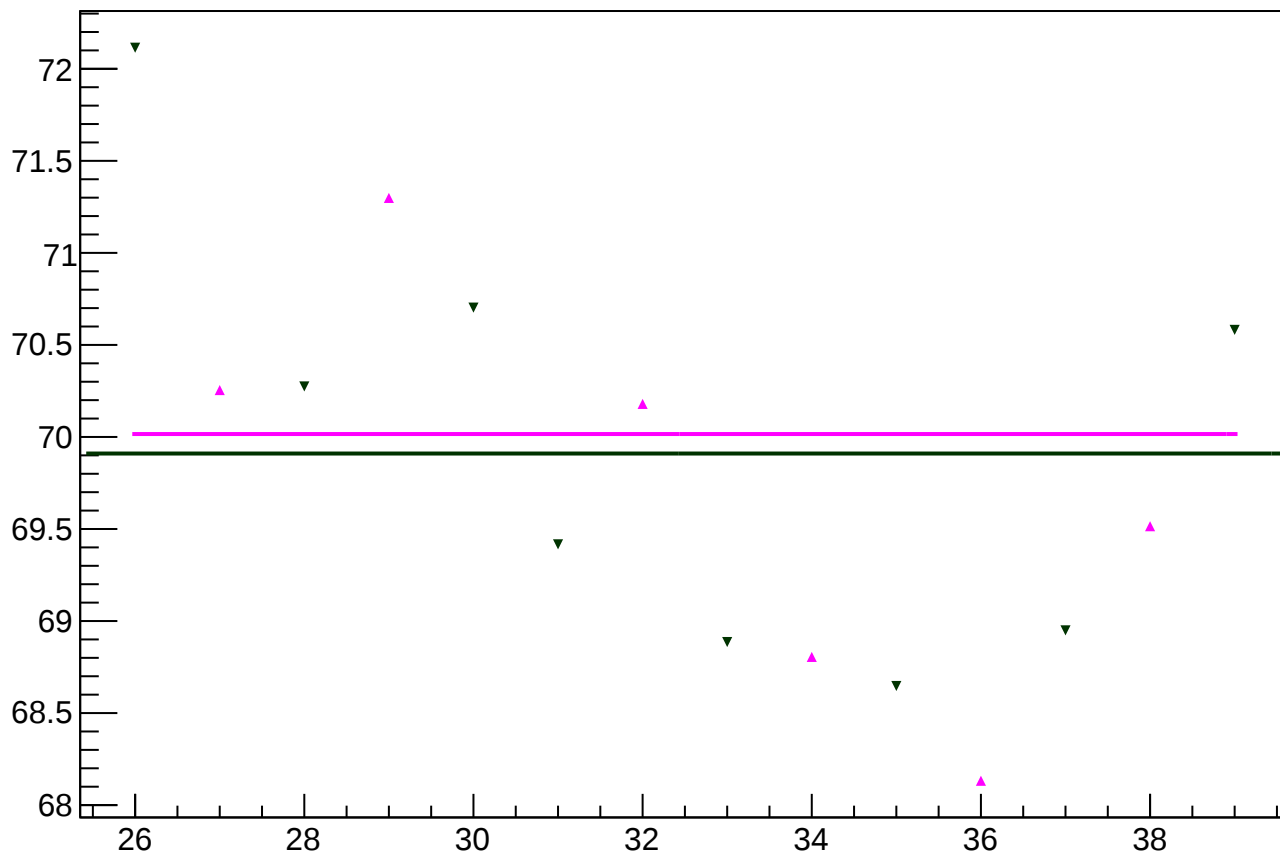
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 23.473+/-0.008  $\chi^2/\text{NDF}$ : 123058.7/5

22.679+/-0.008  $\chi^2/\text{NDF}$ : 118929.3/7

23.473+/-0.008  $\chi^2/\text{NDF}$ : 123058.7/5

# yield\_usl\_mean vs slug



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

Left Out: 69.910+/-0.000  $\chi^2/\text{NDF}$ : 209763032.5/7

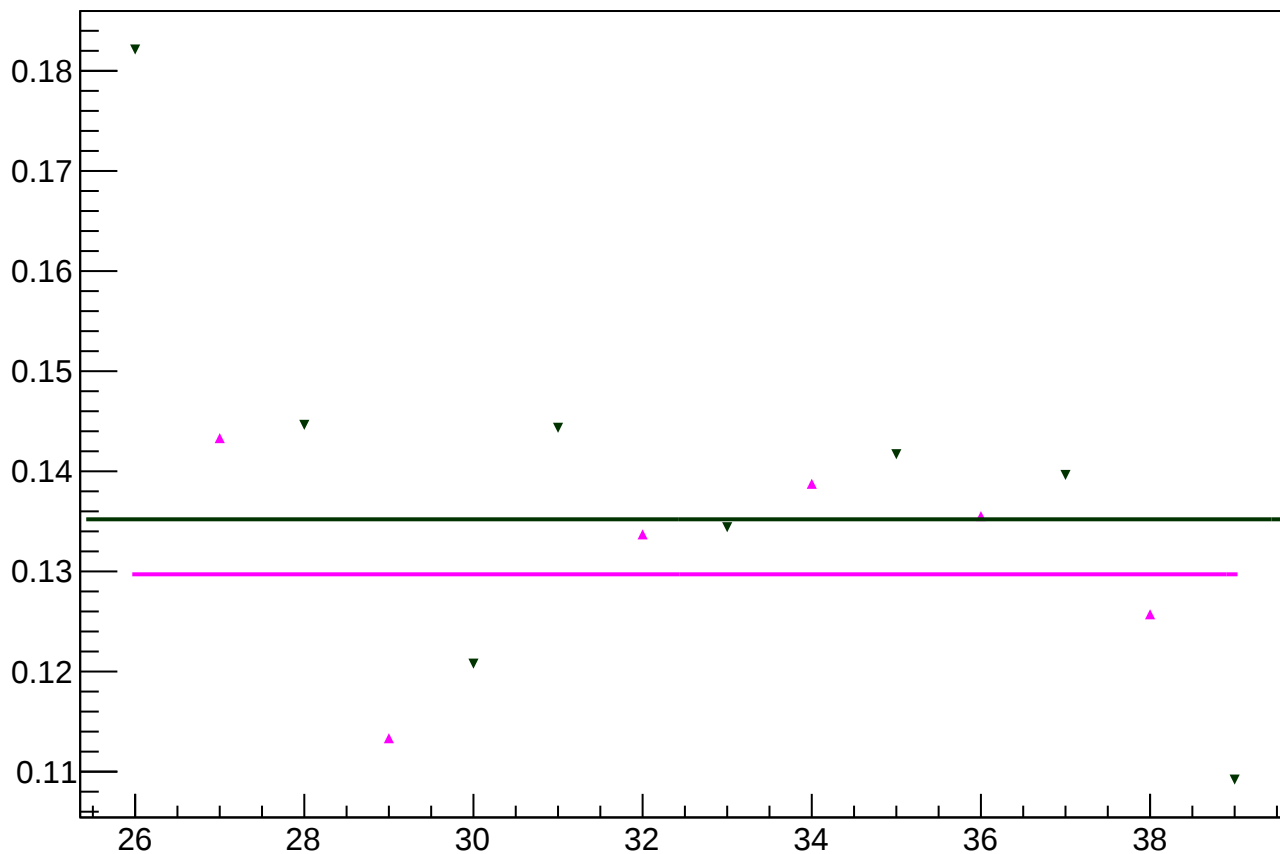
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 70.016+/-0.000  $\chi^2/\text{NDF}$ : 239385950.6/5

69.910+/-0.000  $\chi^2/\text{NDF}$ : 209763032.5/7

70.016+/-0.000  $\chi^2/\text{NDF}$ : 239385950.6/5

# yield\_usl\_rms vs slug



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

Left Out: 0.135+/-0.000  $\chi^2/\text{NDF}$ :137393.1/7

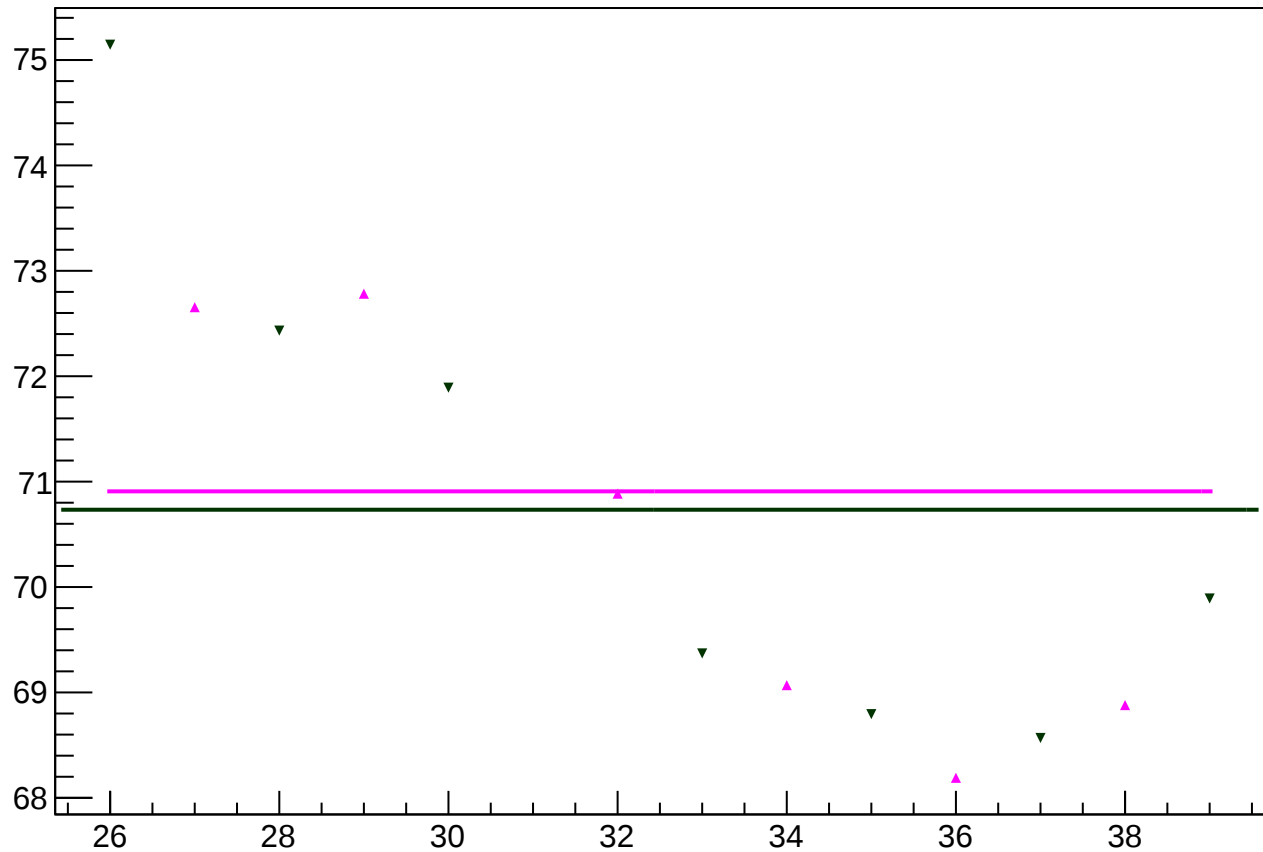
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.130+/-0.000  $\chi^2/\text{NDF}$ :55491.0/5

0.135+/-0.000  $\chi^2/\text{NDF}$ : 137393.1/7

0.130+/-0.000  $\chi^2/\text{NDF}$ : 55491.0/5

# yield\_usr\_mean vs slug



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

Left Out: 70.733+/-0.000  $\chi^2/\text{NDF}$ :1909149615.9/6

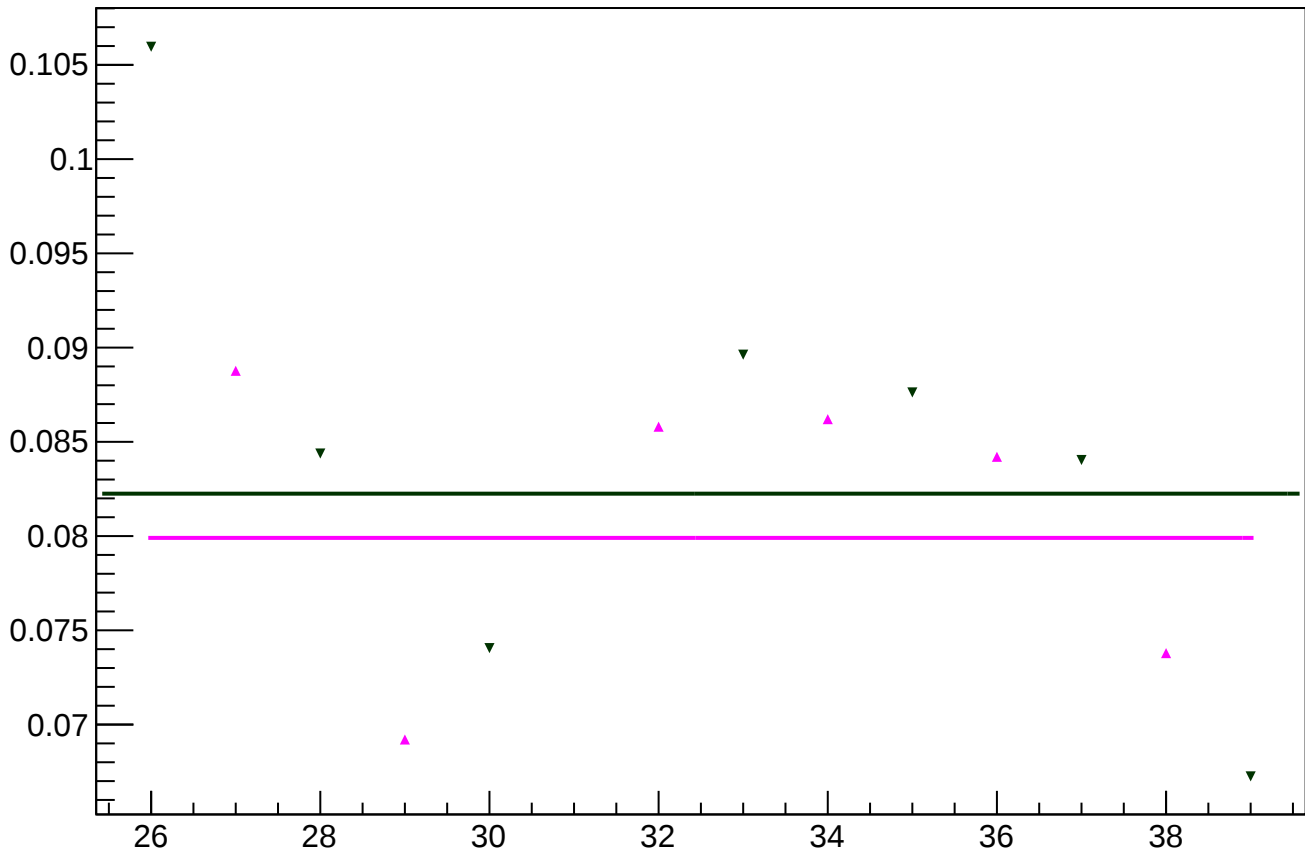
70.733+/-0.000  $\chi^2/\text{NDF}$ : 1909149615.9/6

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

70.908+/-0.000  $\chi^2/\text{NDF}$ : 1878576670.1/5

Left In: 70.908+/-0.000  $\chi^2/\text{NDF}$ :1878576670.1/5

# yield\_usr\_rms vs slug



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

Left Out: 0.082+/-0.000  $\chi^2/\text{NDF}$ : 109903.9/6

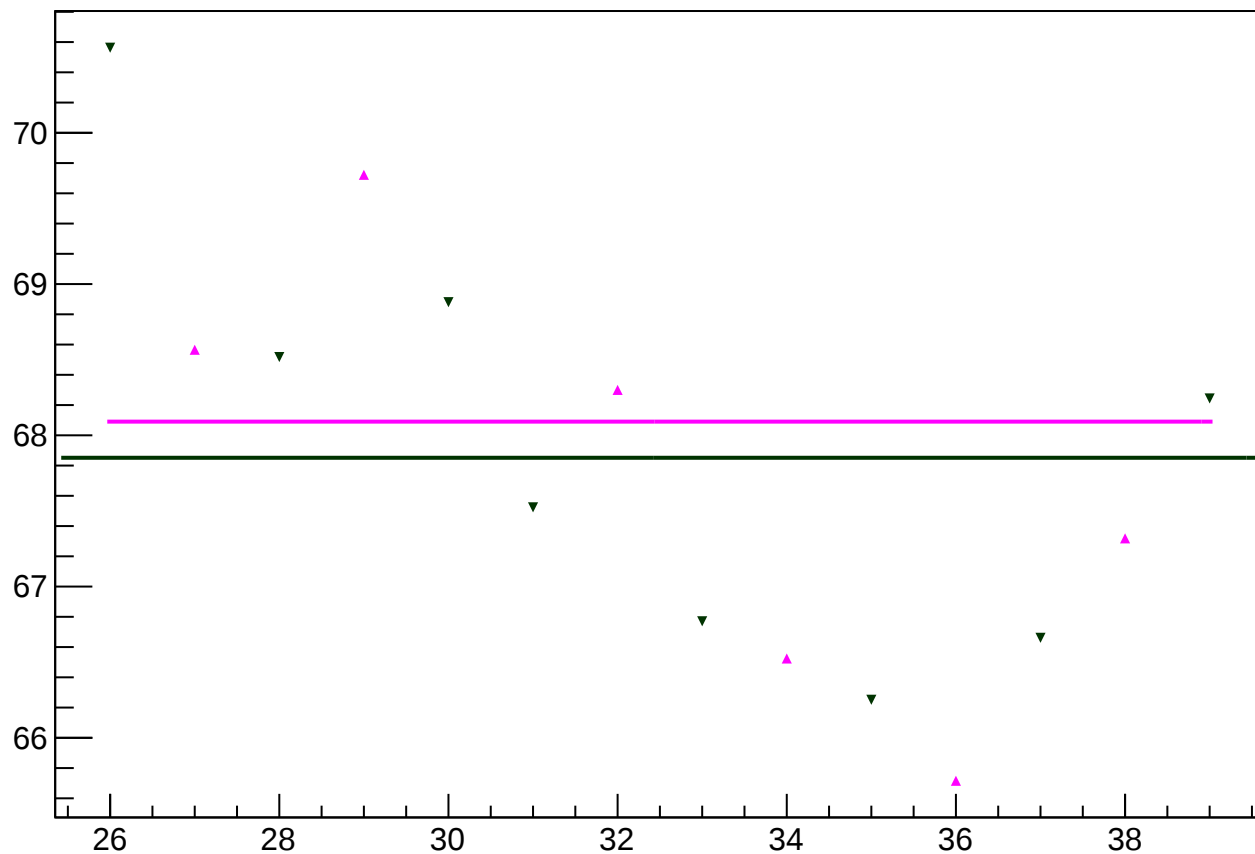
0.082+/-0.000  $\chi^2/\text{NDF}$ : 109903.9/6

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

0.080+/-0.000  $\chi^2/\text{NDF}$ : 72814.1/5

Left In: 0.080+/-0.000  $\chi^2/\text{NDF}$ : 72814.1/5

# yield\_dsl\_mean vs slug



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

Left Out: 67.852+/-0.000  $\chi^2/\text{NDF}$ : 288666395.0/7

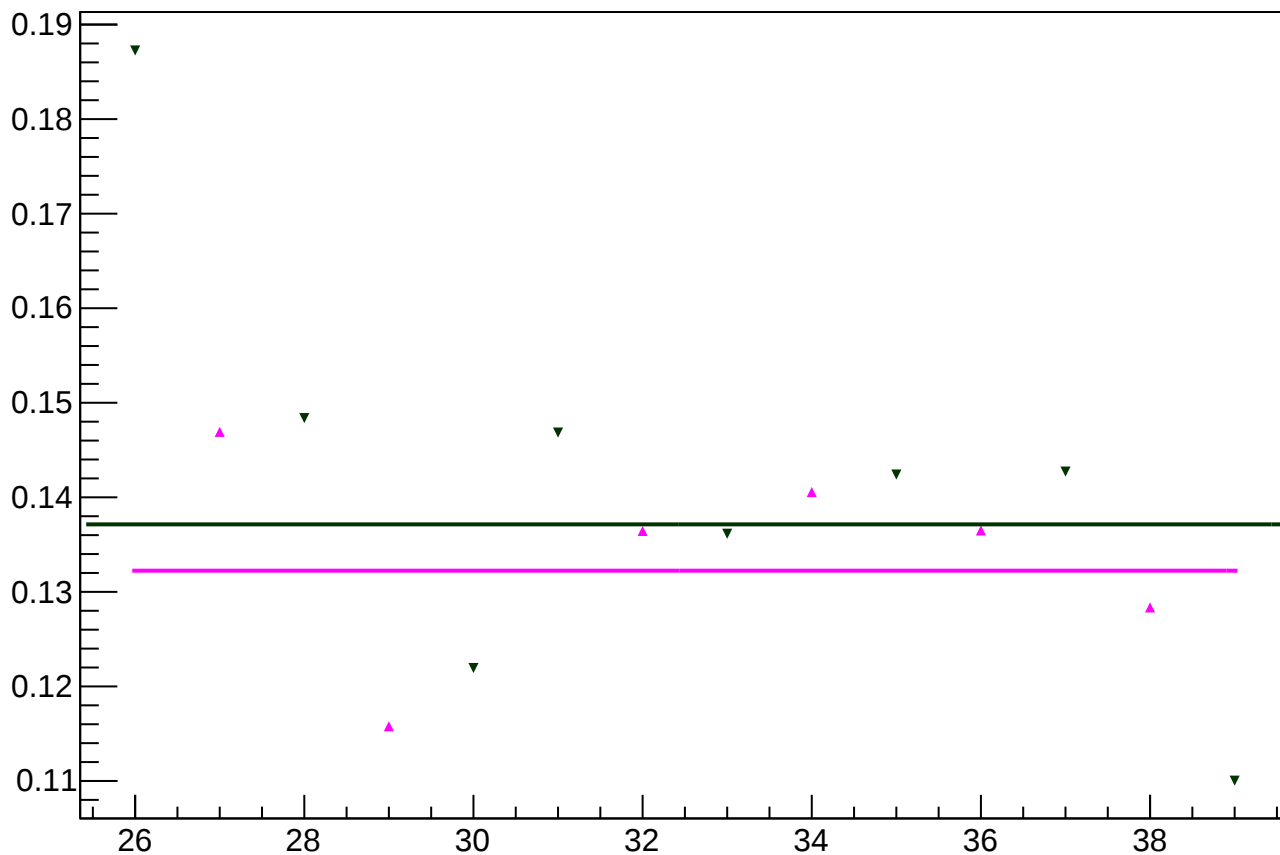
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 68.090+/-0.000  $\chi^2/\text{NDF}$ : 386583035.3/5

67.852+/-0.000  $\chi^2/\text{NDF}$ : 288666395.0/7

68.090+/-0.000  $\chi^2/\text{NDF}$ : 386583035.3/5

# yield\_dsl\_rms vs slug



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

Left Out: 0.137+/-0.000  $\chi^2/\text{NDF}$ :149234.0/7

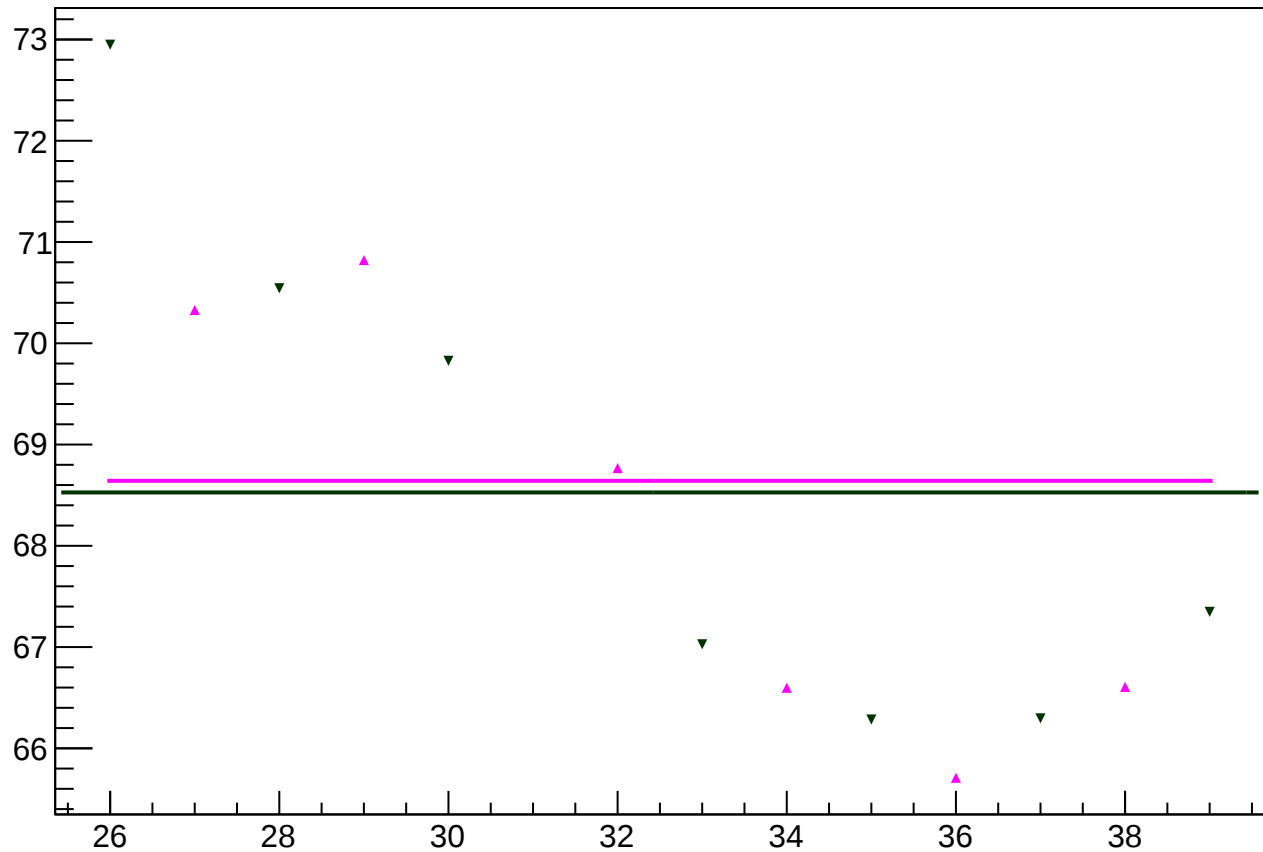
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.132+/-0.000  $\chi^2/\text{NDF}$ :54569.9/5

0.137+/-0.000  $\chi^2/\text{NDF}$ : 149234.0/7

0.132+/-0.000  $\chi^2/\text{NDF}$ : 54569.9/5

# yield\_dsr\_mean vs slug



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

Left Out: 68.527+/-0.000  $\chi^2/\text{NDF}$ : 2341653678.5/6

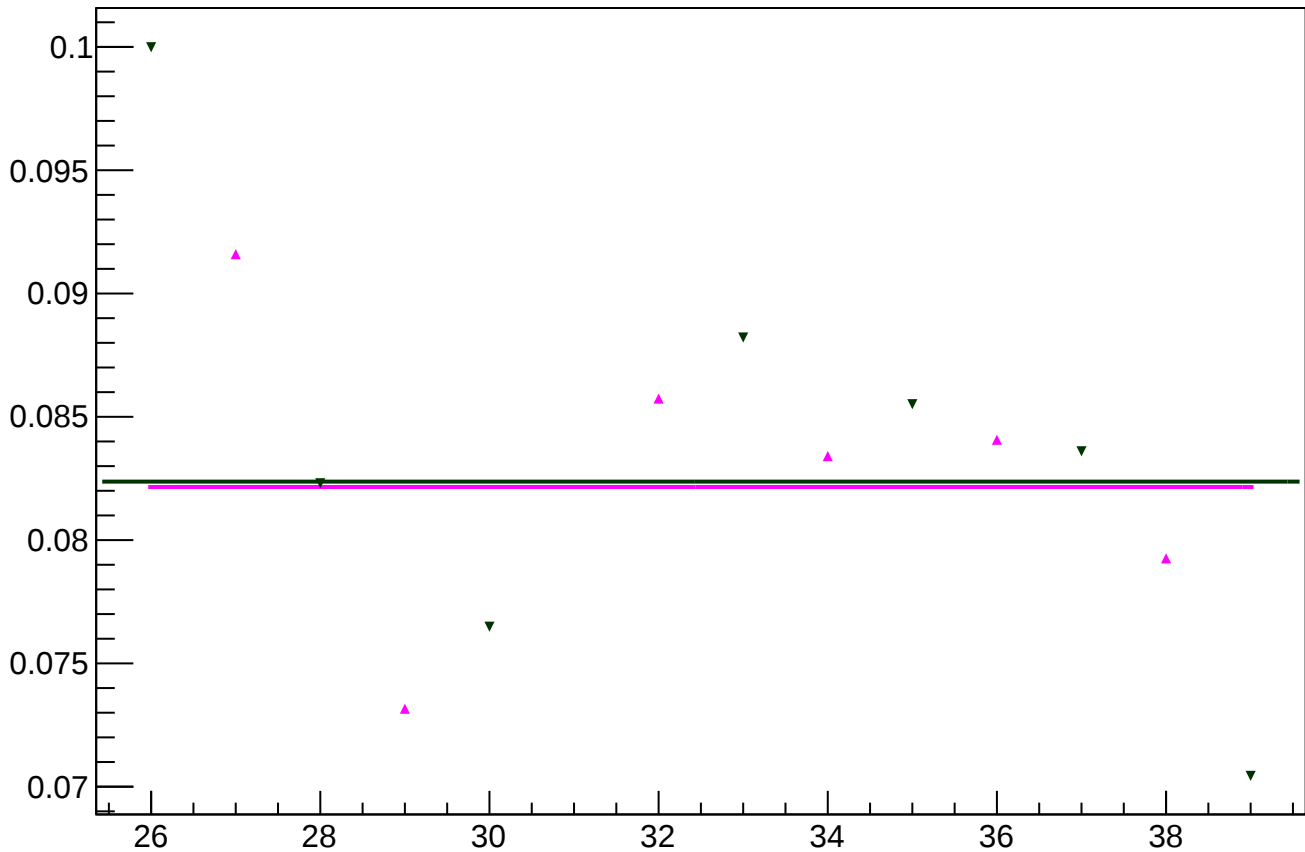
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 68.642+/-0.000  $\chi^2/\text{NDF}$ : 2071336166.4/5

68.527+/-0.000  $\chi^2/\text{NDF}$ : 2341653678.5/6

68.642+/-0.000  $\chi^2/\text{NDF}$ : 2071336166.4/5

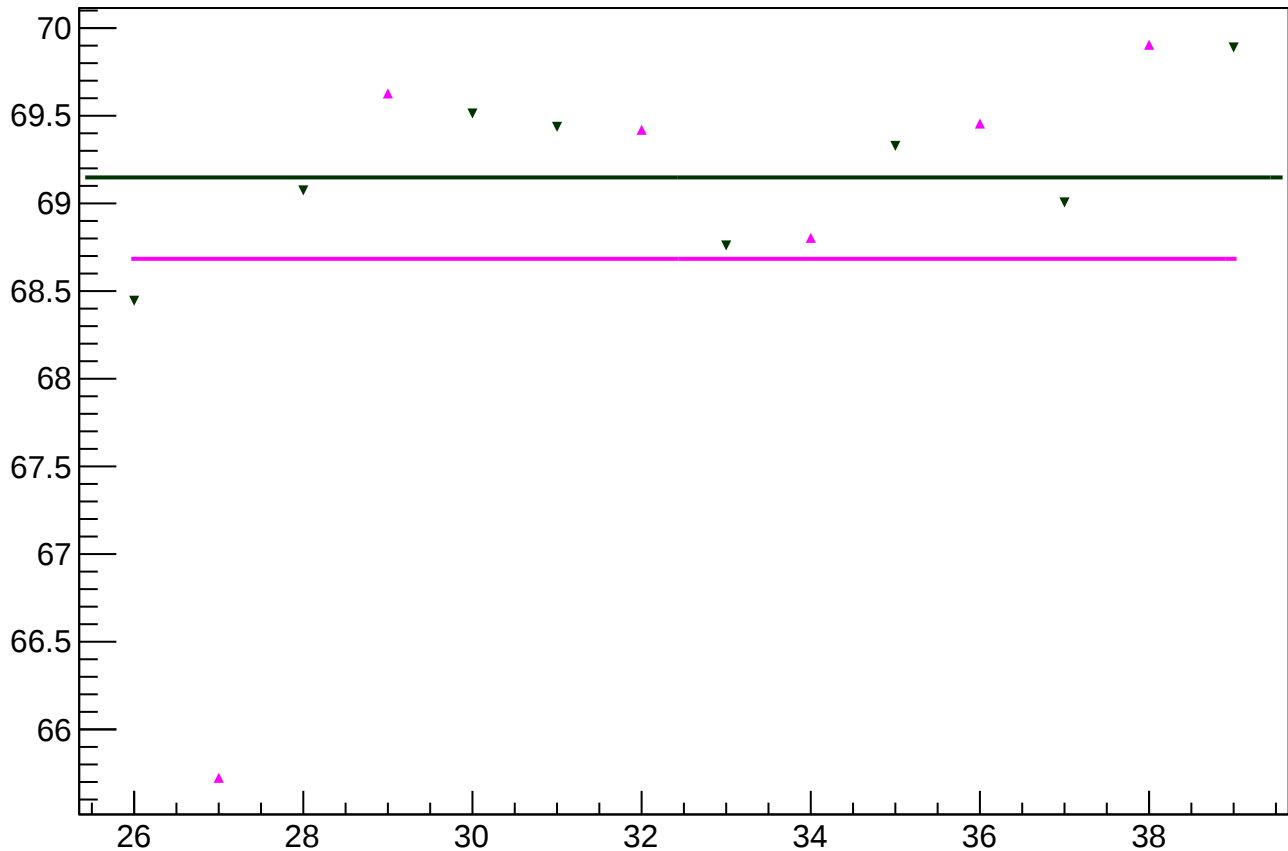
# yield\_dsr\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.082+/-0.000  $\chi^2/\text{NDF}$ : 63440.0/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.082+/-0.000  $\chi^2/\text{NDF}$ : 43971.7/5

0.082+/-0.000  $\chi^2/\text{NDF}$ : 63440.0/6  
 0.082+/-0.000  $\chi^2/\text{NDF}$ : 43971.7/5

# yield\_bcm\_an\_ds\_mean vs slug



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

Left Out: 69.148+/-0.000  $\chi^2/\text{NDF}$ : 20891293.3/7

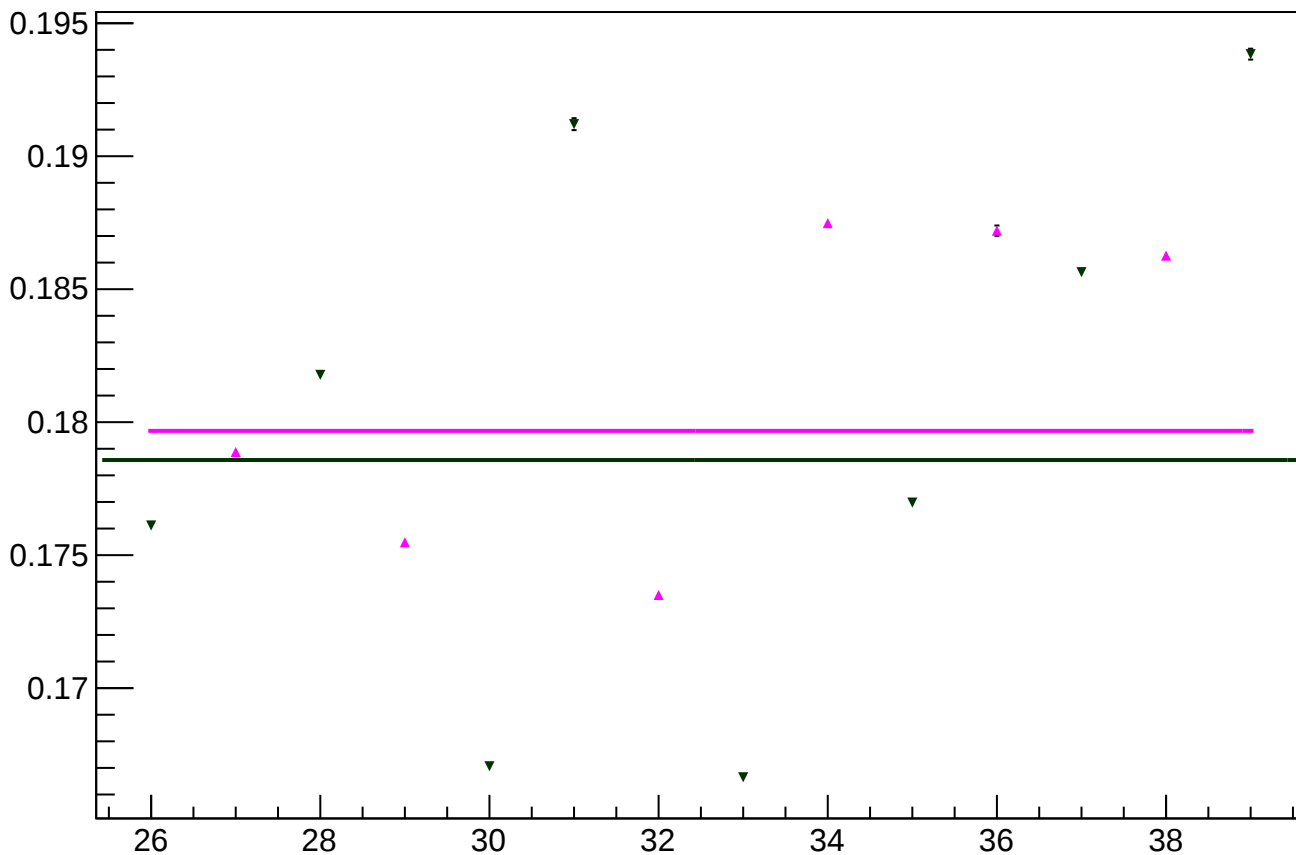
69.148+/-0.000  $\chi^2/\text{NDF}$ : 20891293.3/7

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

68.684+/-0.000  $\chi^2/\text{NDF}$ : 292597298.3/5

Left In: 68.684+/-0.000  $\chi^2/\text{NDF}$ : 292597298.3/5

# yield\_bcm\_an\_ds\_rms vs slug



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

Left Out: 0.179+/-0.000  $\chi^2/\text{NDF}$ : 20705.9/7

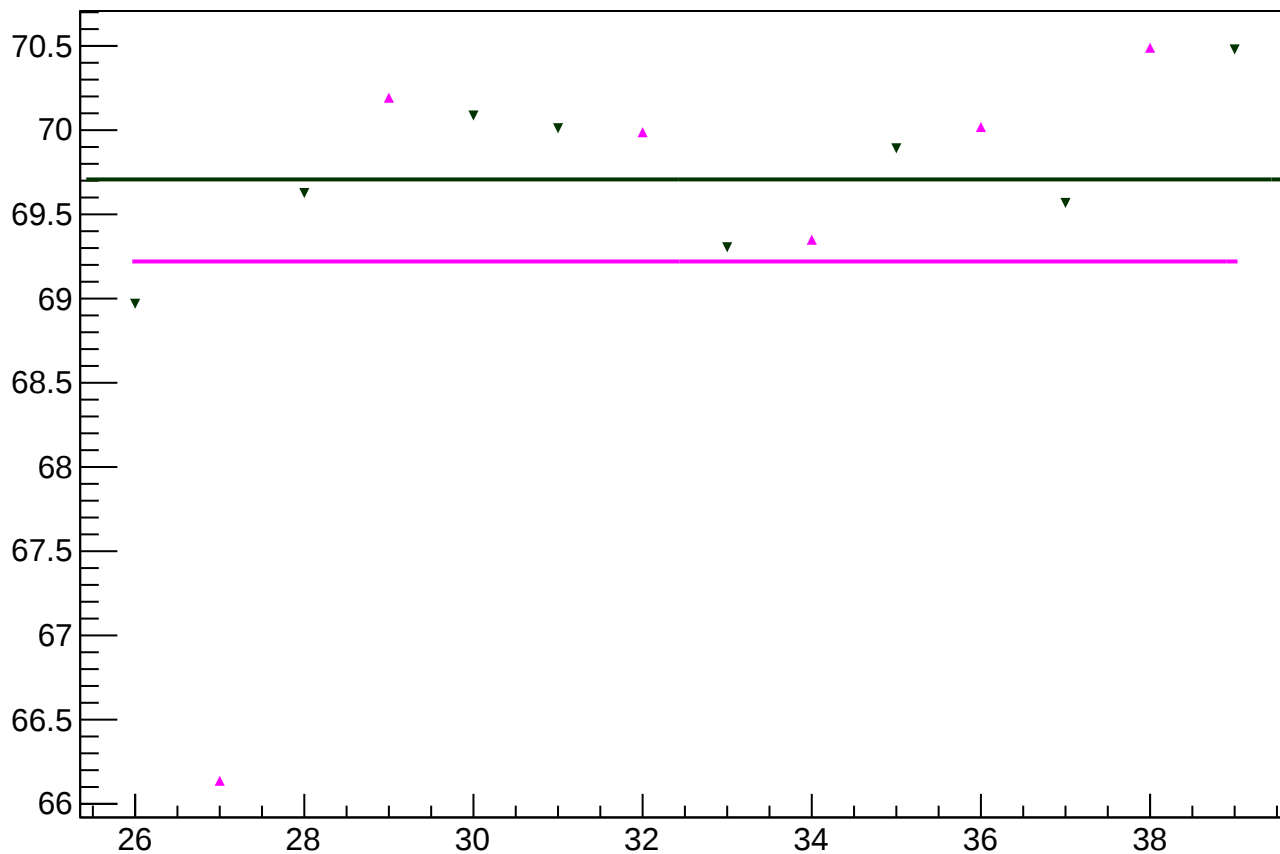
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.180+/-0.000  $\chi^2/\text{NDF}$ : 7636.2/5

0.179+/-0.000  $\chi^2/\text{NDF}$ : 20705.9/7

0.180+/-0.000  $\chi^2/\text{NDF}$ : 7636.2/5

# yield\_bcm\_an\_ds3\_mean vs slug



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

Left Out: 69.707+/-0.000  $\chi^2/\text{NDF}$ : 21741554.5/7

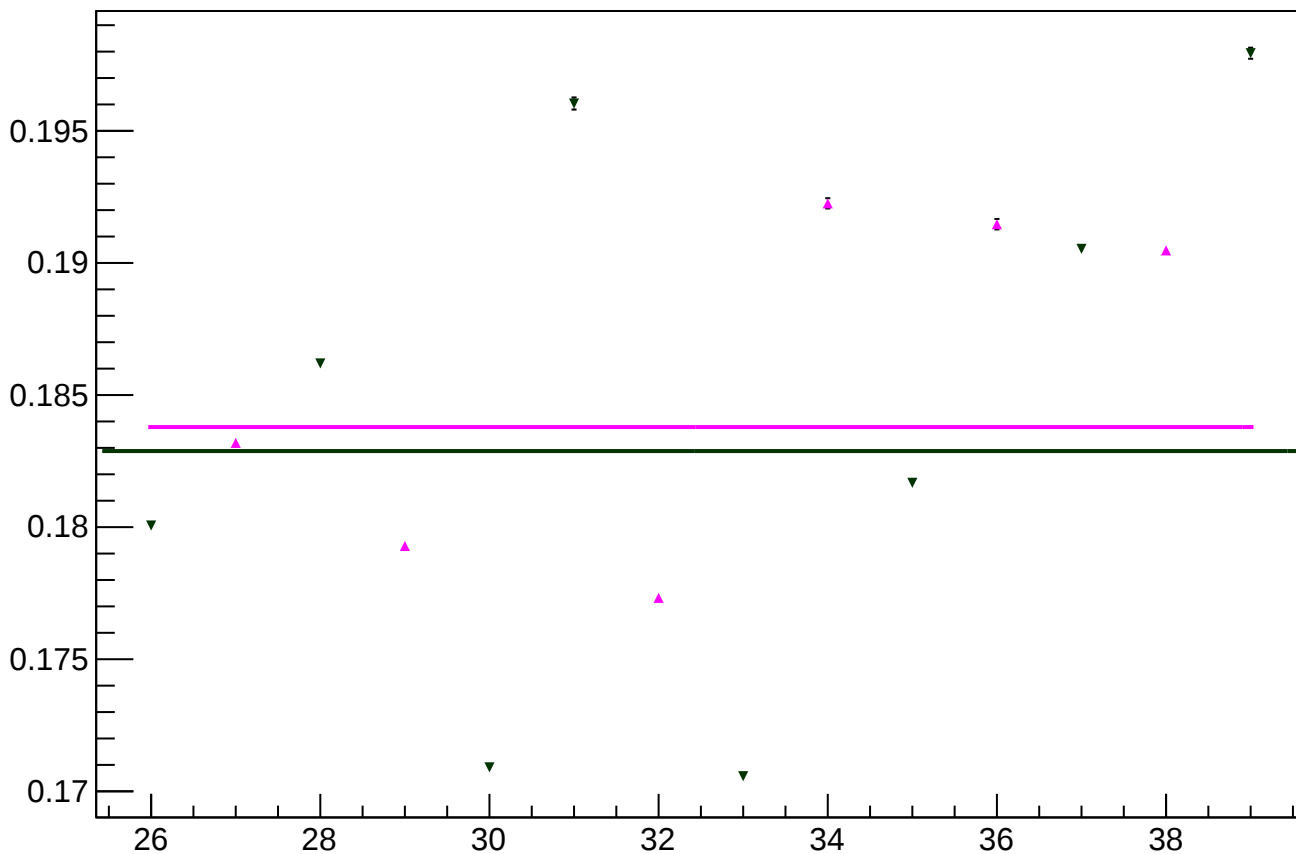
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 69.220+/-0.000  $\chi^2/\text{NDF}$ : 302232178.8/5

69.707+/-0.000  $\chi^2/\text{NDF}$ : 21741554.5/7

69.220+/-0.000  $\chi^2/\text{NDF}$ : 302232178.8/5

# yield\_bcm\_an\_ds3\_rms vs slug



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

Left Out: 0.183+/-0.000  $\chi^2/\text{NDF}$ : 20867.1/7

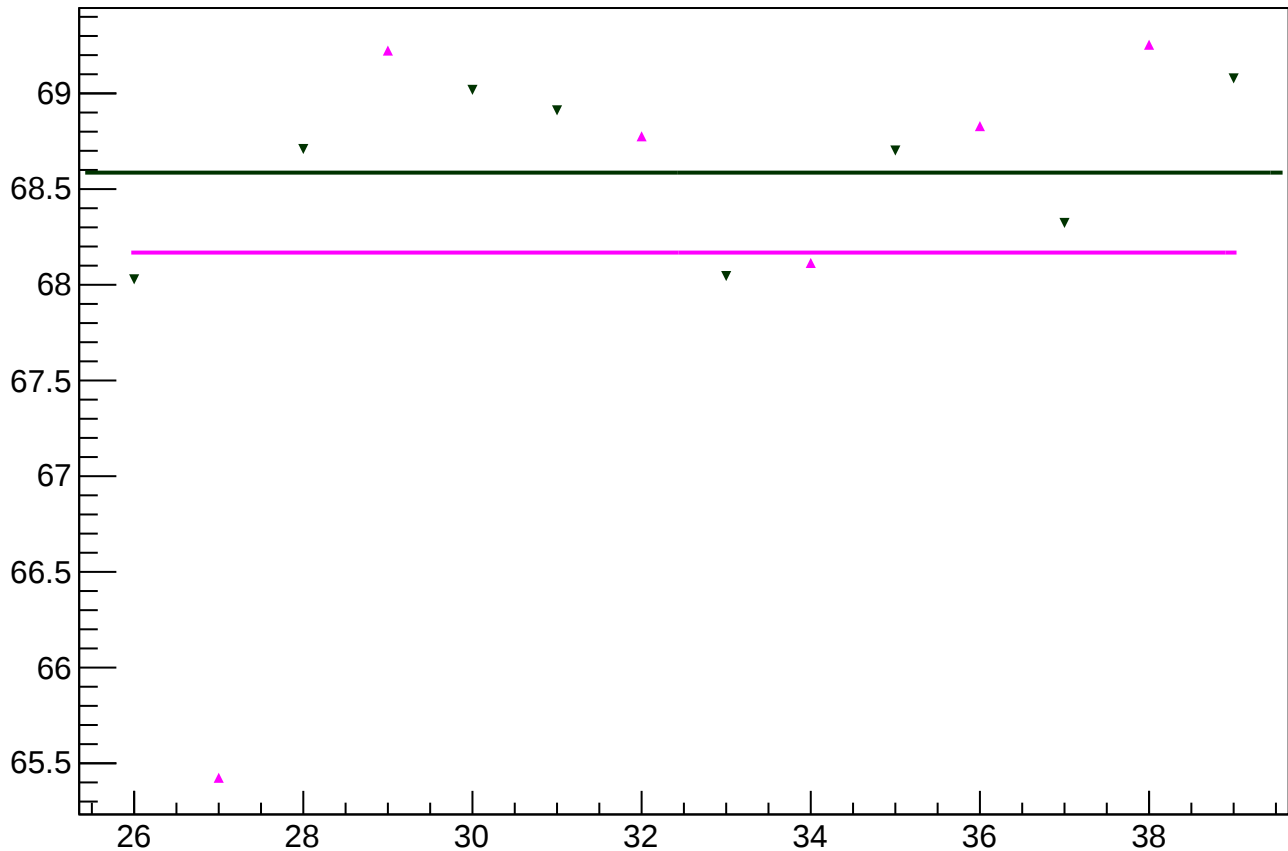
0.183+/-0.000  $\chi^2/\text{NDF}$ : 20867.1/7

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

0.184+/-0.000  $\chi^2/\text{NDF}$ : 8002.2/5

Left In: 0.184+/-0.000  $\chi^2/\text{NDF}$ : 8002.2/5

# yield\_bcm\_an\_us\_mean vs slug



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

Left Out: 68.586+/-0.000  $\chi^2/\text{NDF}$ : 18917282.6/7

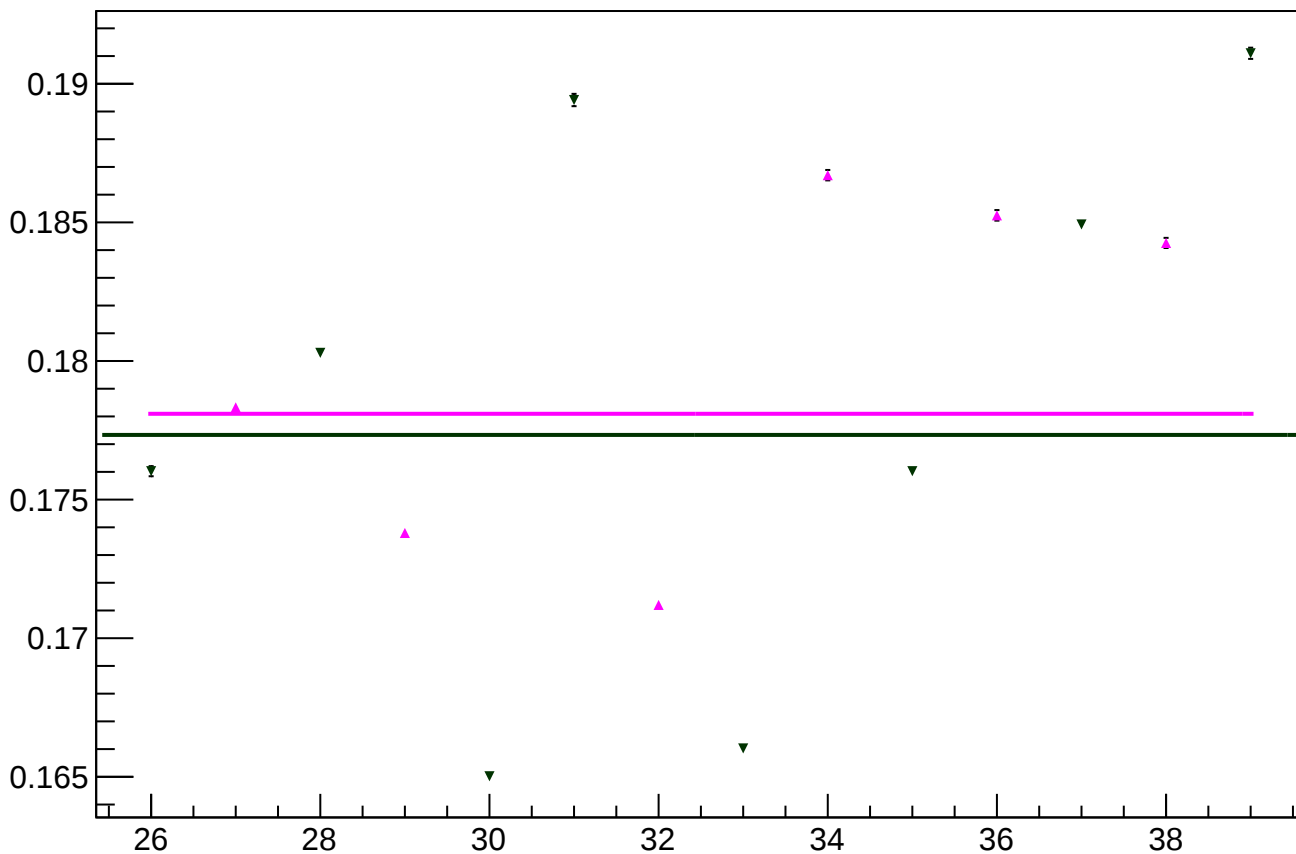
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 68.168+/-0.000  $\chi^2/\text{NDF}$ : 257499258.5/5

68.586+/-0.000  $\chi^2/\text{NDF}$ : 18917282.6/7

68.168+/-0.000  $\chi^2/\text{NDF}$ : 257499258.5/5

# yield\_bcm\_an\_us\_rms vs slug



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

Left Out: 0.177+/-0.000  $\chi^2/\text{NDF}$ : 19993.1/7

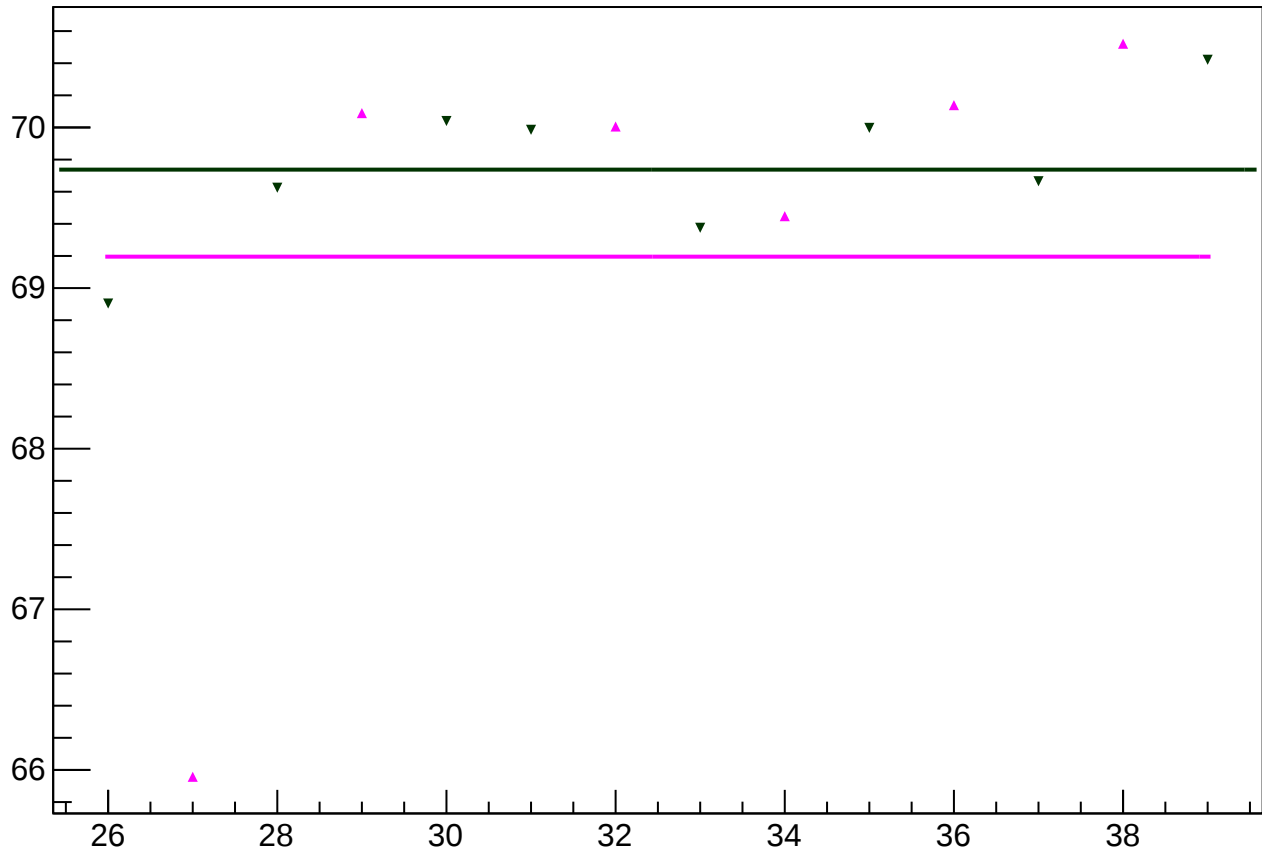
0.177+/-0.000  $\chi^2/\text{NDF}$ : 19993.1/7

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

0.178+/-0.000  $\chi^2/\text{NDF}$ : 8422.2/5

Left In: 0.178+/-0.000  $\chi^2/\text{NDF}$ : 8422.2/5

yield\_bcm\_dg\_us\_mean vs slug



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

Left Out: 69.737+/-0.000  $\chi^2/\text{NDF}$ : 20311986.8/7

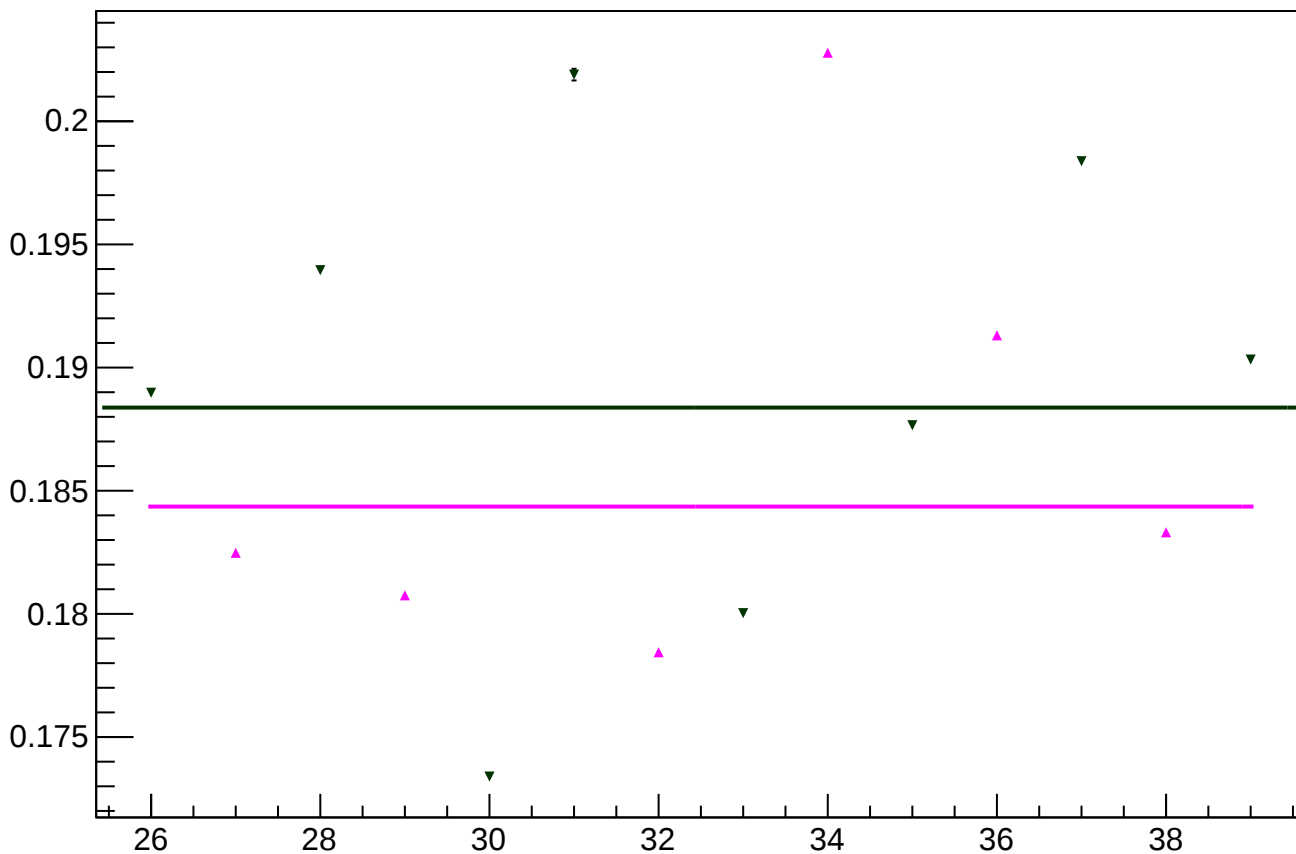
69.737+/-0.000  $\chi^2/\text{NDF}$ : 20311986.8/7

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

69.196+/-0.000  $\chi^2/\text{NDF}$ : 331548901.0/5

Left In: 69.196+/-0.000  $\chi^2/\text{NDF}$ : 331548901.0/5

# yield\_bcm\_dg\_us\_rms vs slug



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

Left Out: 0.188+/-0.000  $\chi^2/\text{NDF}$ : 16889.8/7

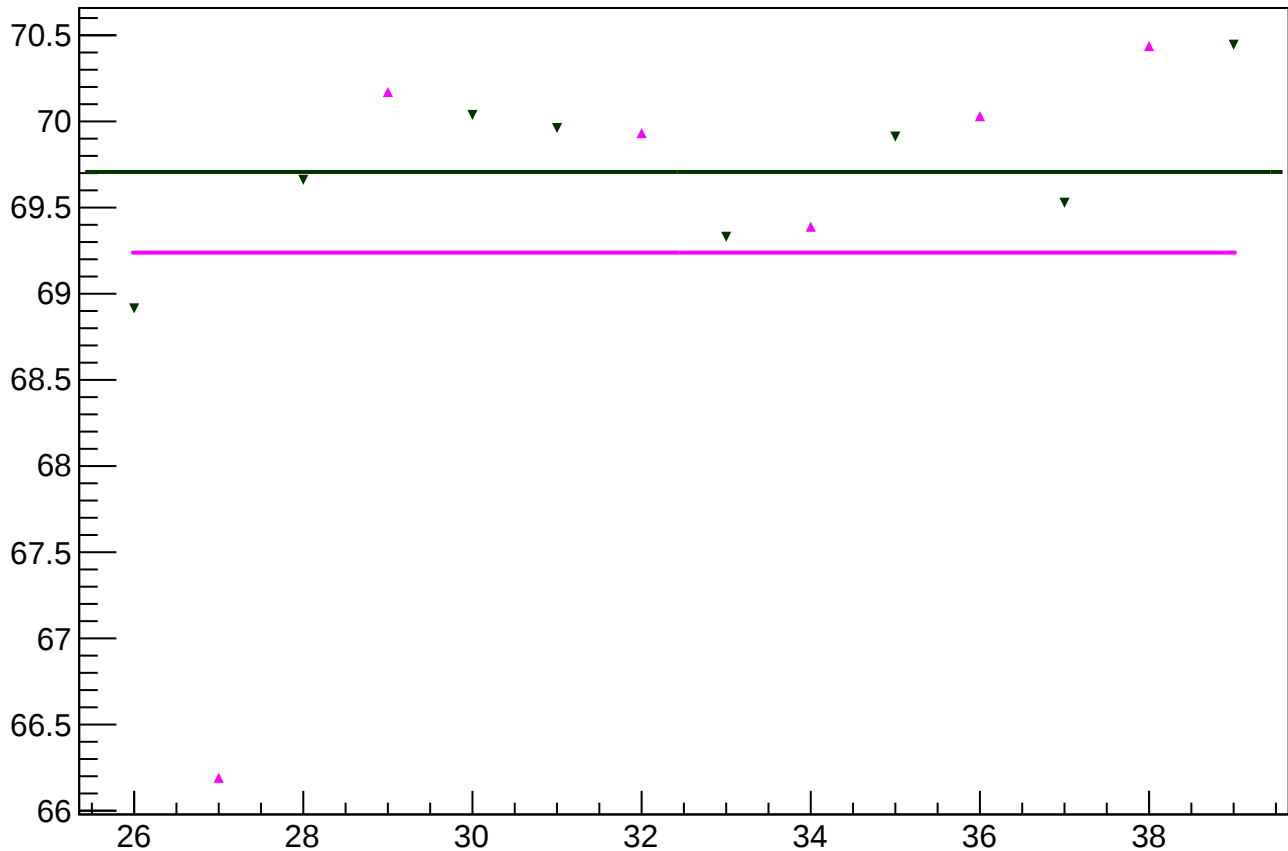
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.184+/-0.000  $\chi^2/\text{NDF}$ : 12109.9/5

0.188+/-0.000  $\chi^2/\text{NDF}$ : 16889.8/7

0.184+/-0.000  $\chi^2/\text{NDF}$ : 12109.9/5

# yield\_bcm\_dg\_ds\_mean vs slug



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

Left Out: 69.707+/-0.000  $\chi^2/\text{NDF}$ : 21288205.3/7

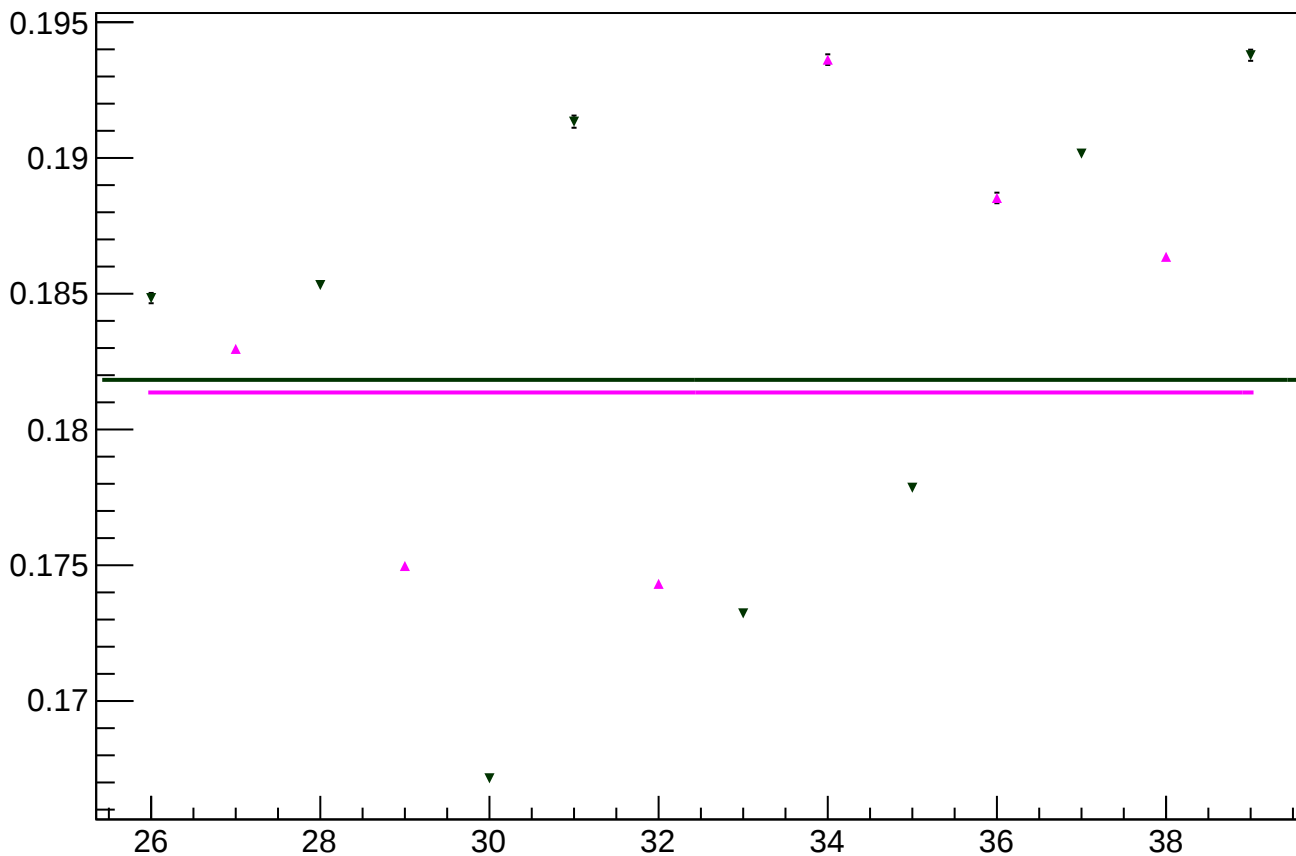
69.707+/-0.000  $\chi^2/\text{NDF}$ : 21288205.3/7

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

69.239+/-0.000  $\chi^2/\text{NDF}$ : 291901971.8/5

Left In: 69.239+/-0.000  $\chi^2/\text{NDF}$ : 291901971.8/5

# yield\_bcm\_dg\_ds\_rms vs slug



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

Left Out: 0.182+/-0.000  $\chi^2/\text{NDF}$ : 18707.2/7

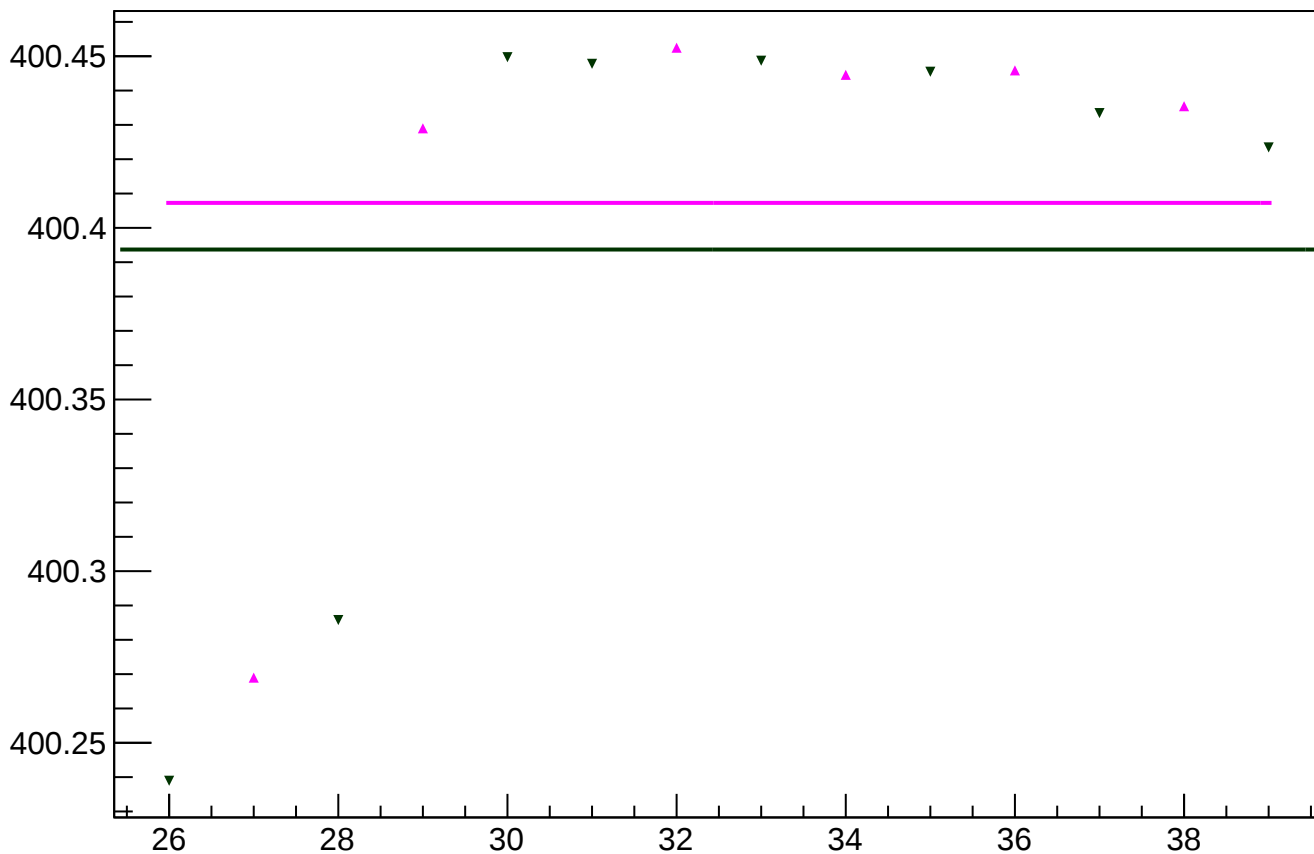
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.181+/-0.000  $\chi^2/\text{NDF}$ : 11128.5/5

0.182+/-0.000  $\chi^2/\text{NDF}$ : 18707.2/7

0.181+/-0.000  $\chi^2/\text{NDF}$ : 11128.5/5

yield\_cav4bQ\_mean vs slug



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

Left Out: 400.394+/-0.000  $\chi^2/\text{NDF}$ : 558453606.7/7

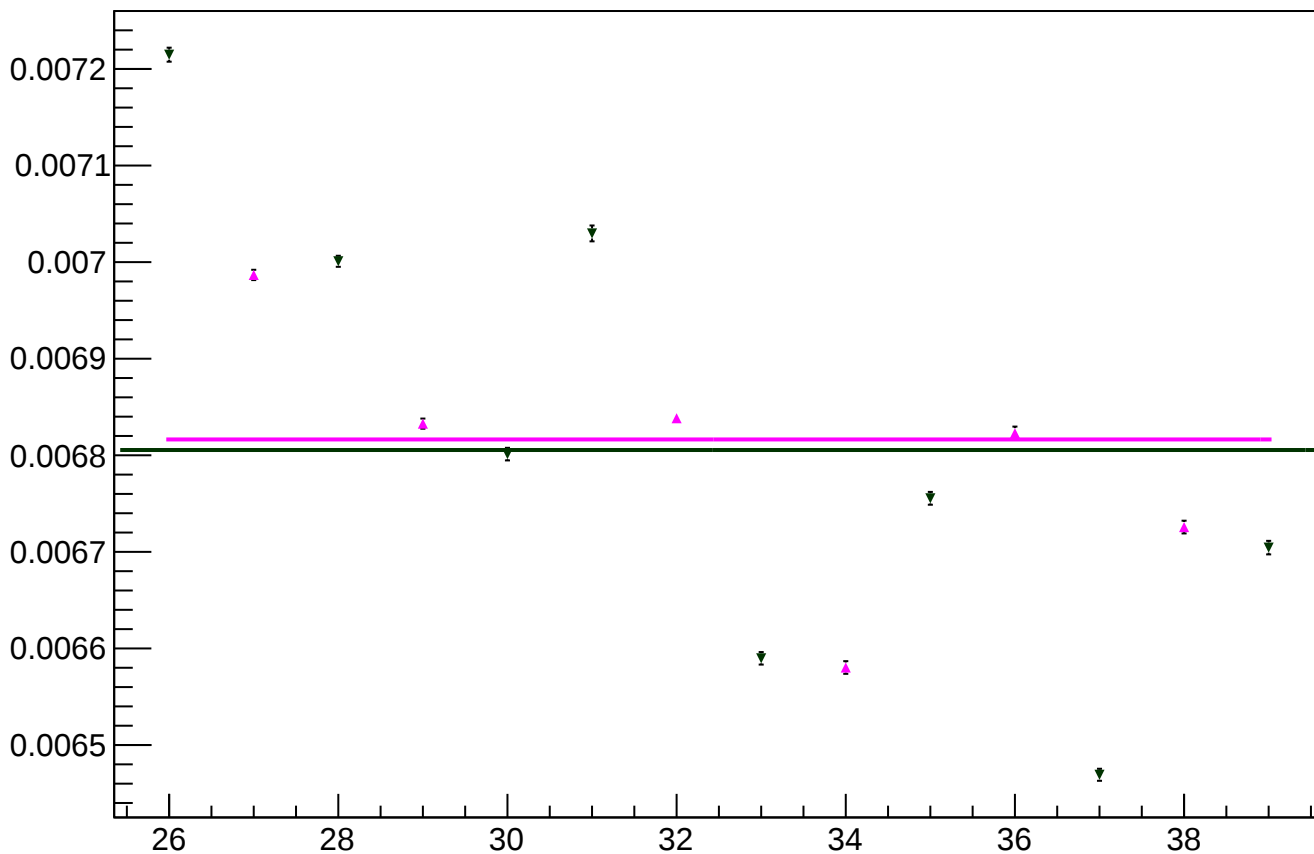
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 400.407+/-0.000  $\chi^2/\text{NDF}$ : 424167581.1/5

400.394+/-0.000  $\chi^2/\text{NDF}$ : 558453606.7/7

400.407+/-0.000  $\chi^2/\text{NDF}$ : 424167581.1/5

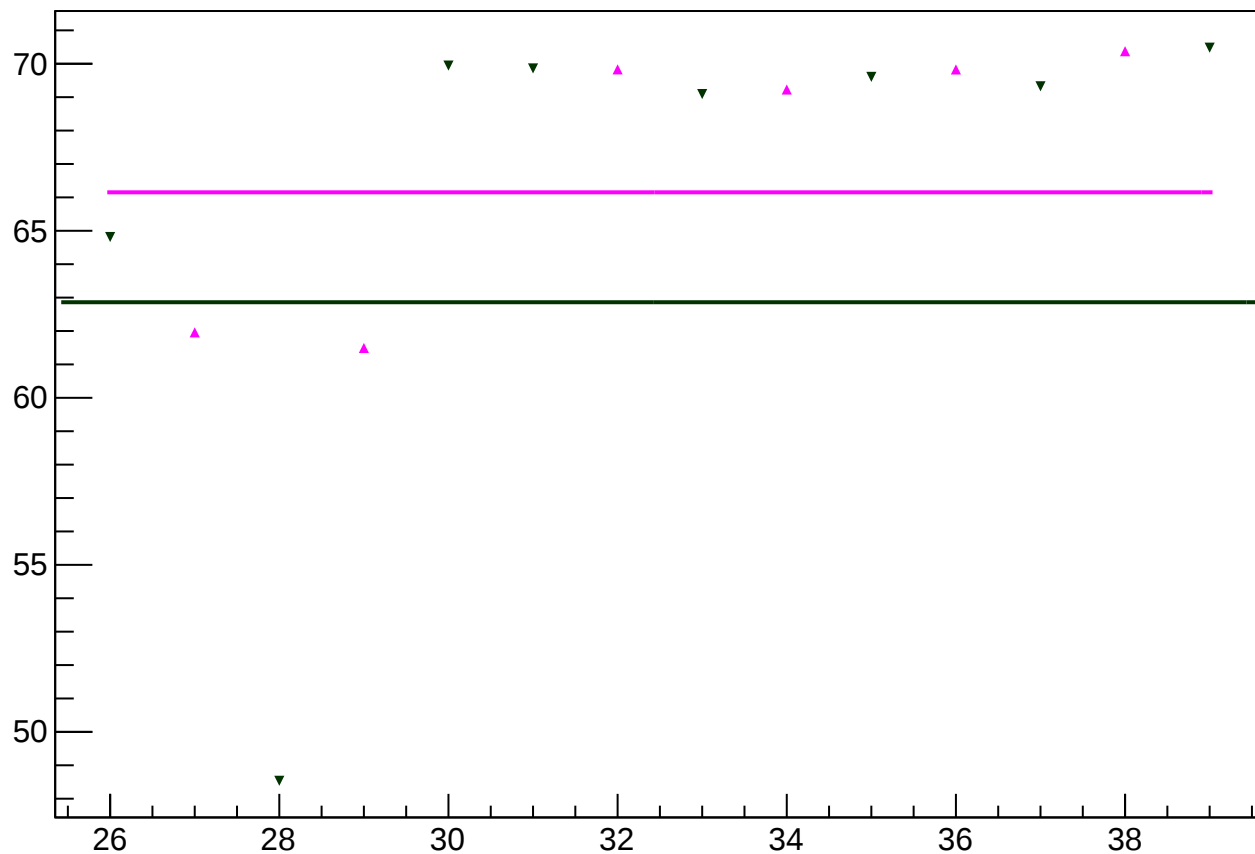
# yield\_cav4bQ\_rms vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left Out: 0.007 $\pm$ 0.000  $\chi^2$ /NDF: 9355.8/7  
 Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left In: 0.007 $\pm$ 0.000  $\chi^2$ /NDF: 2526.3/5

0.007 $\pm$ 0.000  $\chi^2$ /NDF: 9355.8/7  
 0.007 $\pm$ 0.000  $\chi^2$ /NDF: 2526.3/5

# yield\_cav4cQ\_mean vs slug



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

Left Out: 62.861+/-0.000  $\chi^2/\text{NDF}$ : 7787724212.3/7

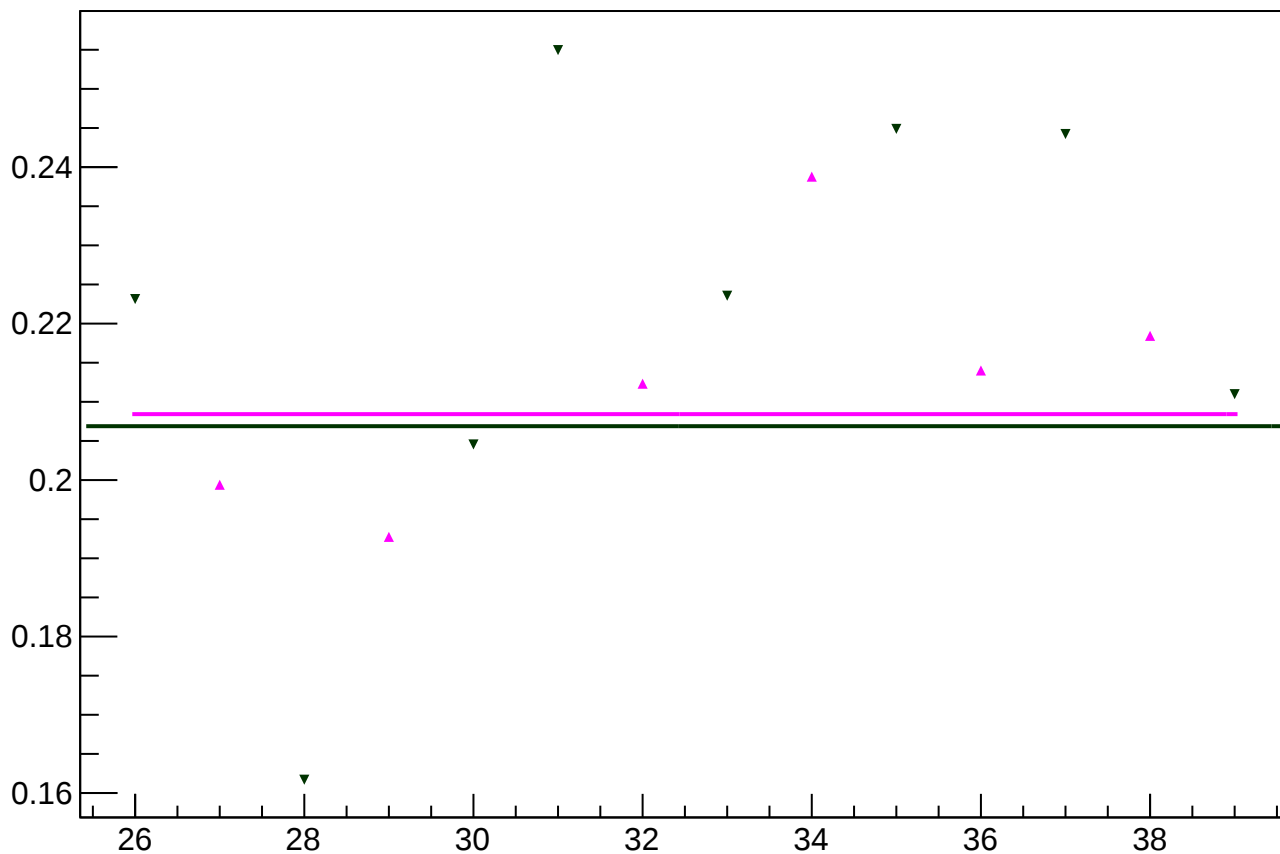
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 66.152+/-0.000  $\chi^2/\text{NDF}$ : 1384527279.0/5

62.861+/-0.000  $\chi^2/\text{NDF}$ : 7787724212.3/7

66.152+/-0.000  $\chi^2/\text{NDF}$ : 1384527279.0/5

# yield\_cav4cQ\_rms vs slug



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

Left Out: 0.207+/-0.000  $\chi^2/\text{NDF}$ : 185905.3/7

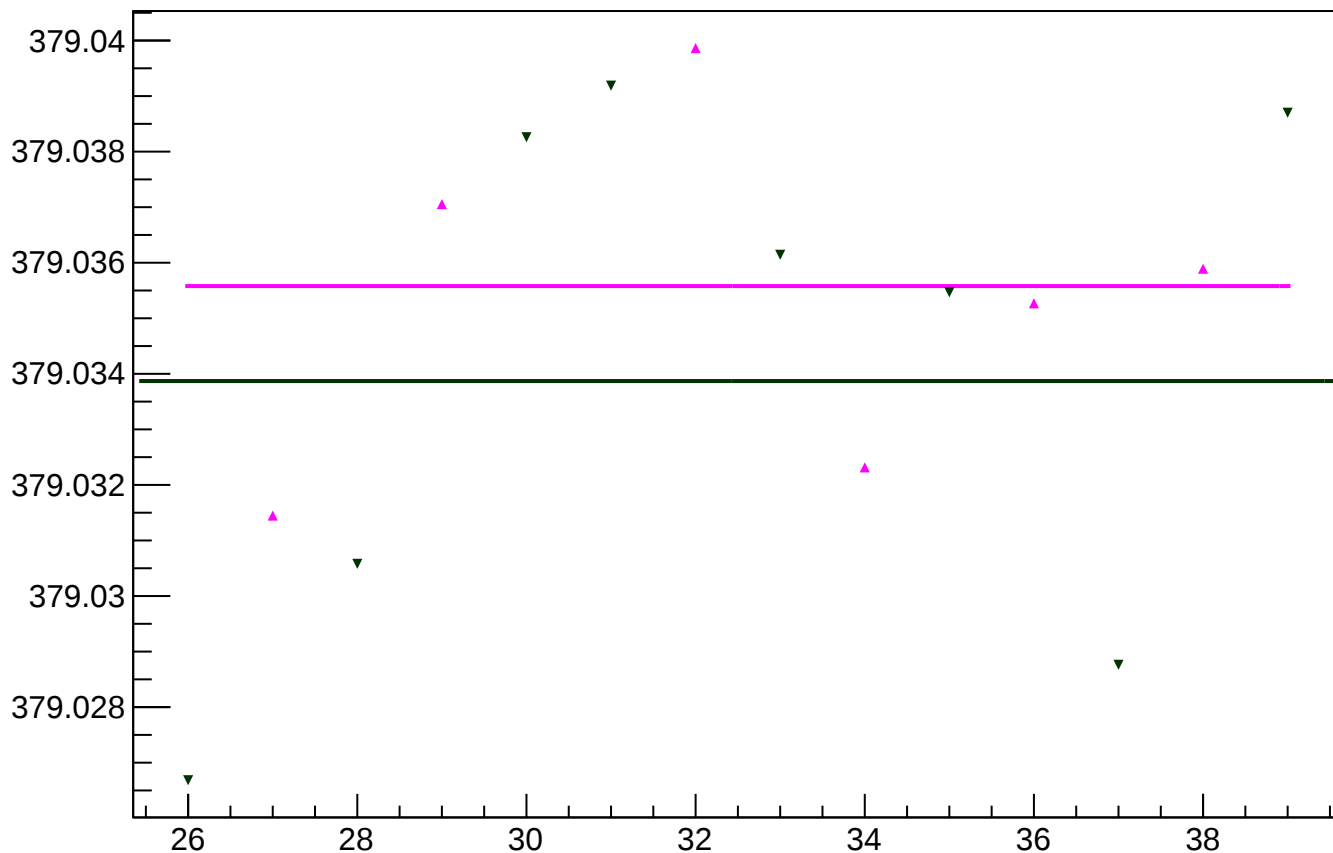
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.208+/-0.000  $\chi^2/\text{NDF}$ : 31078.9/5

0.207+/-0.000  $\chi^2/\text{NDF}$ : 185905.3/7

0.208+/-0.000  $\chi^2/\text{NDF}$ : 31078.9/5

yield\_cav4dQ\_mean vs slug



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

Left Out: 379.034+/-0.000  $\chi^2/\text{NDF}$ : 1745795.8/7

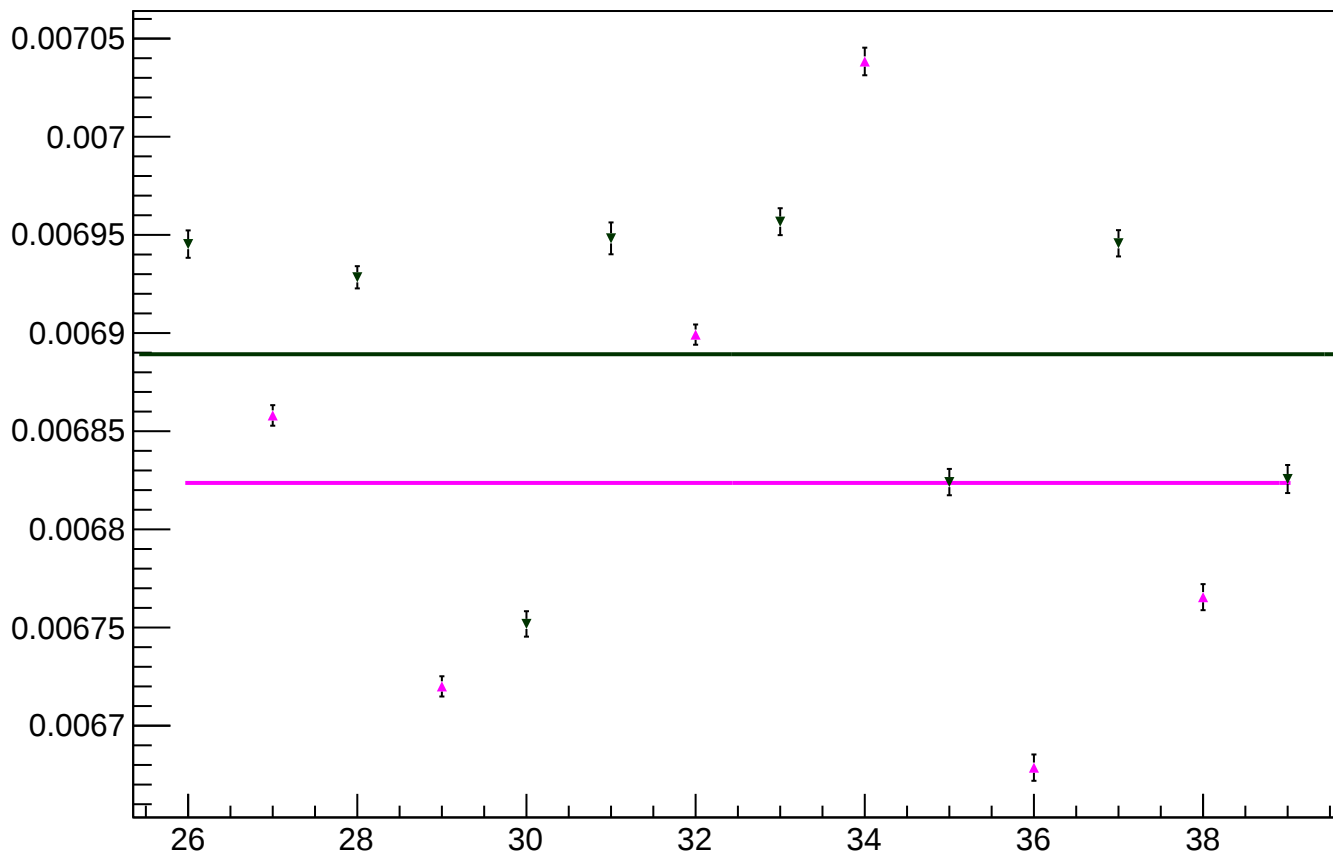
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 379.036+/-0.000  $\chi^2/\text{NDF}$ : 807744.0/5

379.034+/-0.000  $\chi^2/\text{NDF}$ : 1745795.8/7

379.036+/-0.000  $\chi^2/\text{NDF}$ : 807744.0/5

# yield\_cav4dQ\_rms vs slug



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

Left Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ :956.9/7

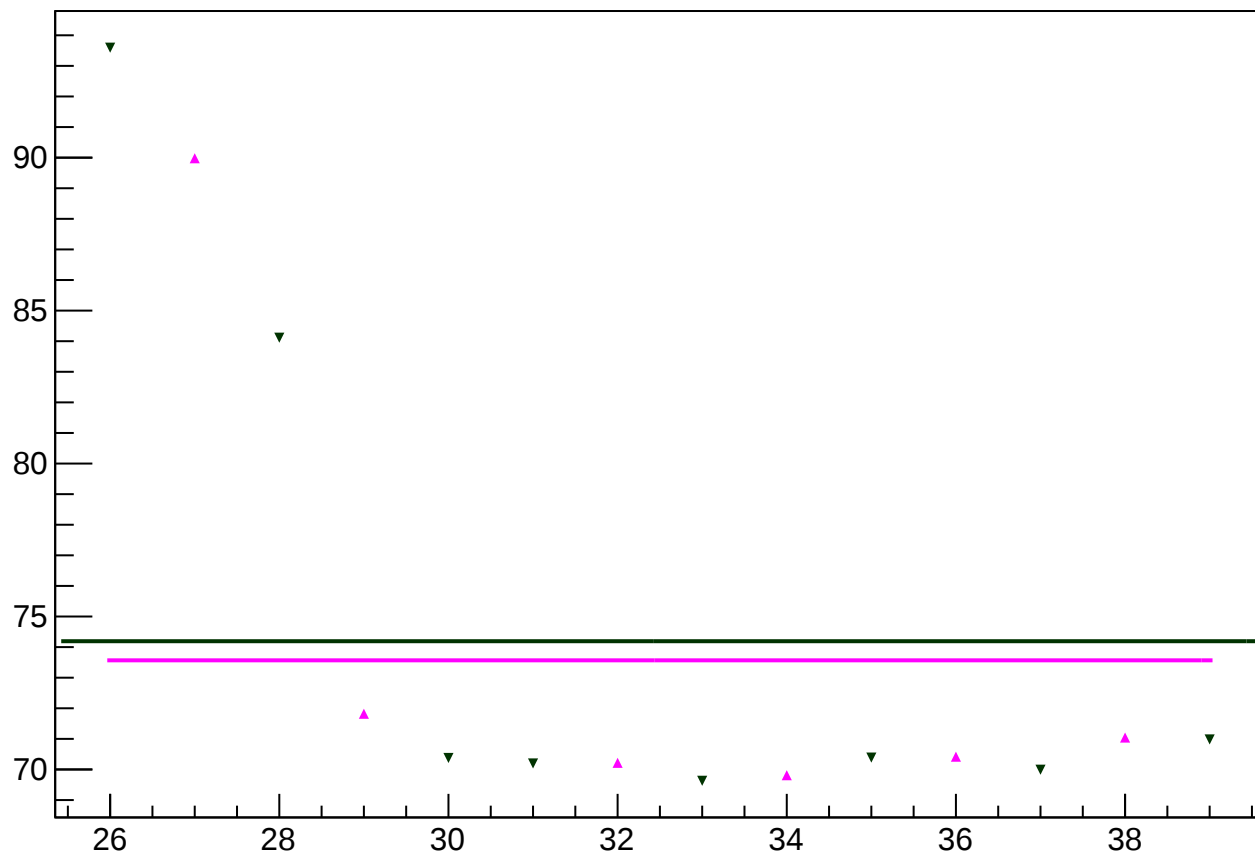
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.007+/-0.000  $\chi^2/\text{NDF}$ :2139.5/5

0.007+/-0.000  $\chi^2/\text{NDF}$ : 956.9/7

0.007+/-0.000  $\chi^2/\text{NDF}$ : 2139.5/5

# yield\_bcm0l02\_mean vs slug



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

Left Out: 74.193+/-0.000  $\chi^2/\text{NDF}$ : 3503270268.7/7

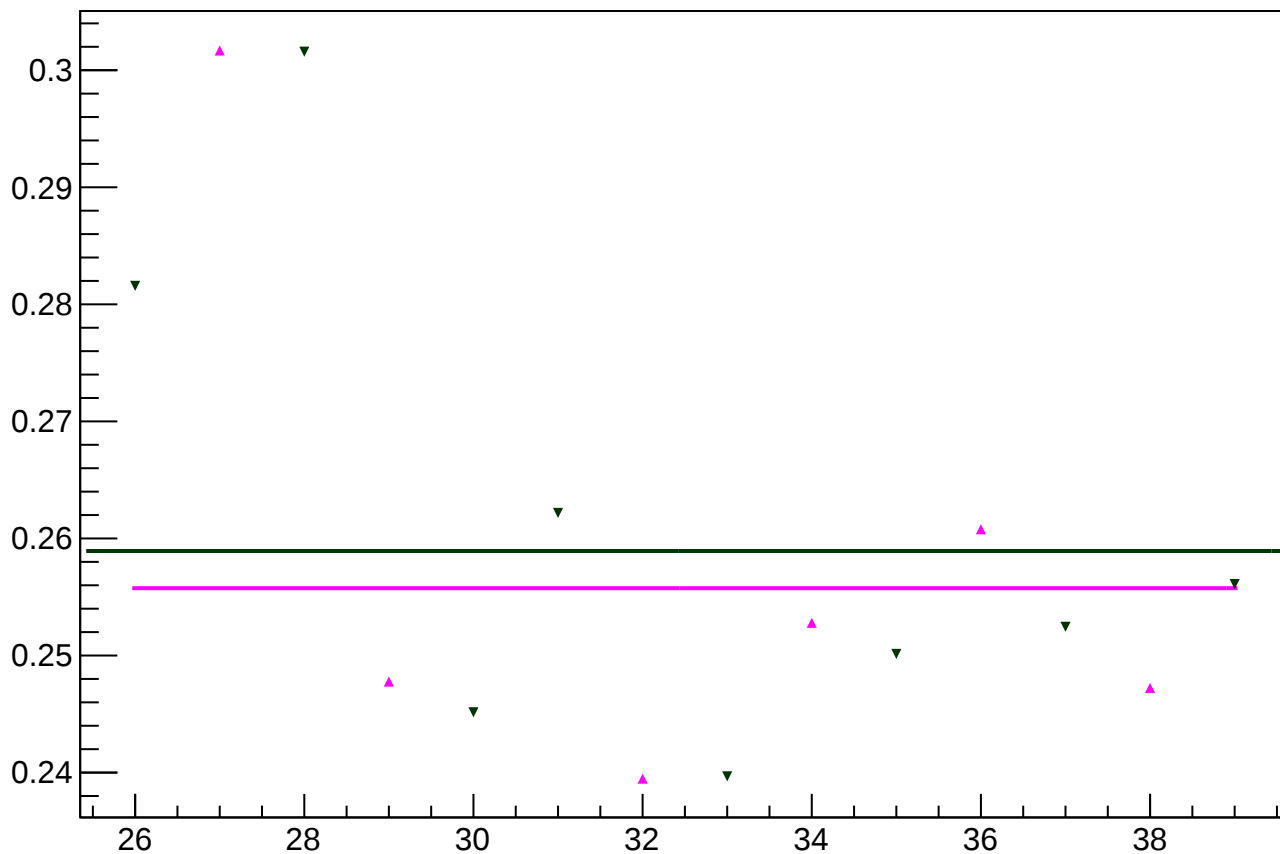
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 73.568+/-0.000  $\chi^2/\text{NDF}$ : 2734233844.3/5

74.193+/-0.000  $\chi^2/\text{NDF}$ : 3503270268.7/7

73.568+/-0.000  $\chi^2/\text{NDF}$ : 2734233844.3/5

# yield\_bcm0l02\_rms vs slug



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

Left Out: 0.259+/-0.000  $\chi^2/\text{NDF}$ : 40184.7/7

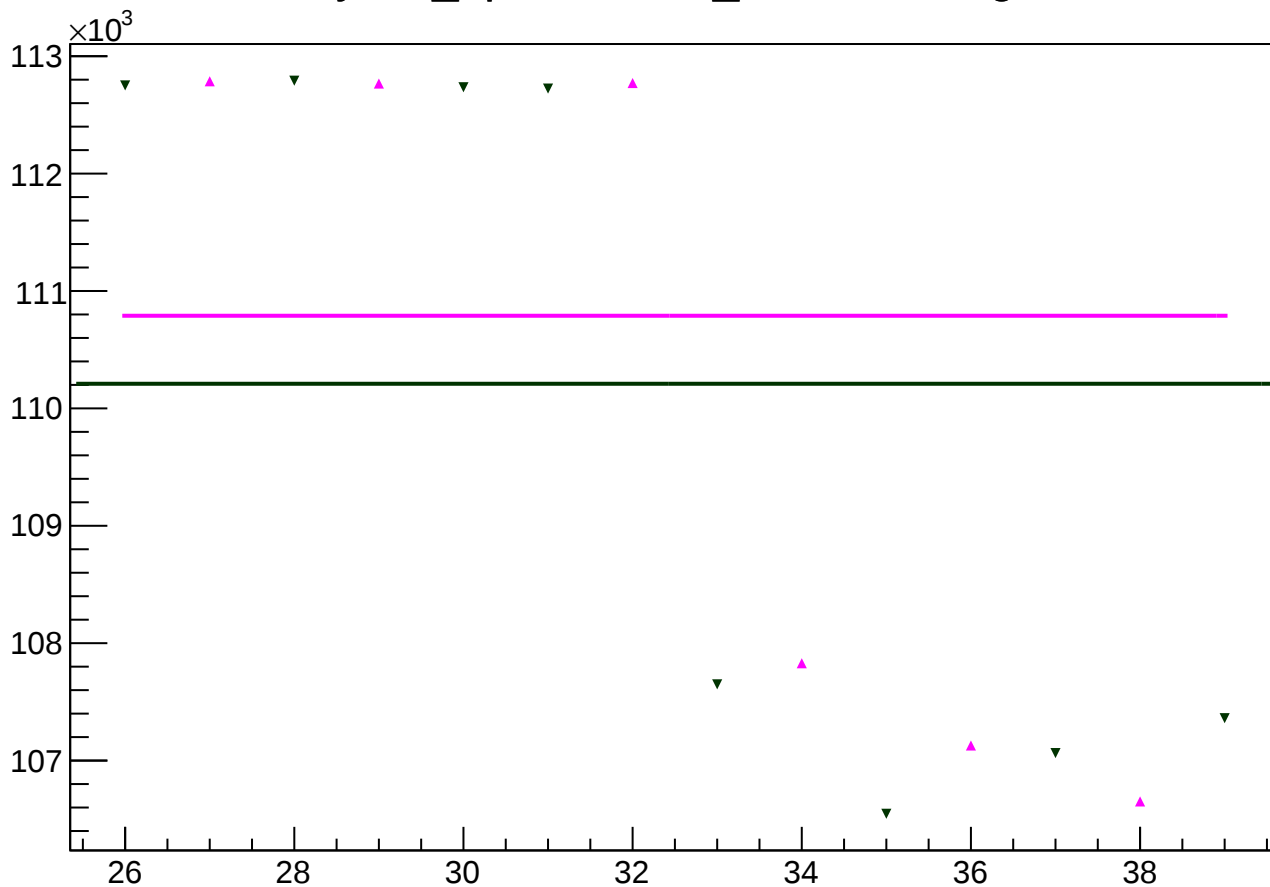
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.256+/-0.000  $\chi^2/\text{NDF}$ : 47077.7/5

0.259+/-0.000  $\chi^2/\text{NDF}$ : 40184.7/7

0.256+/-0.000  $\chi^2/\text{NDF}$ : 47077.7/5

# yield\_bpm2i01WS\_mean vs slug



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

Left Out: 110209.762+/-0.059  $\chi^2/\text{NDF}$ : 2253334766.9/7

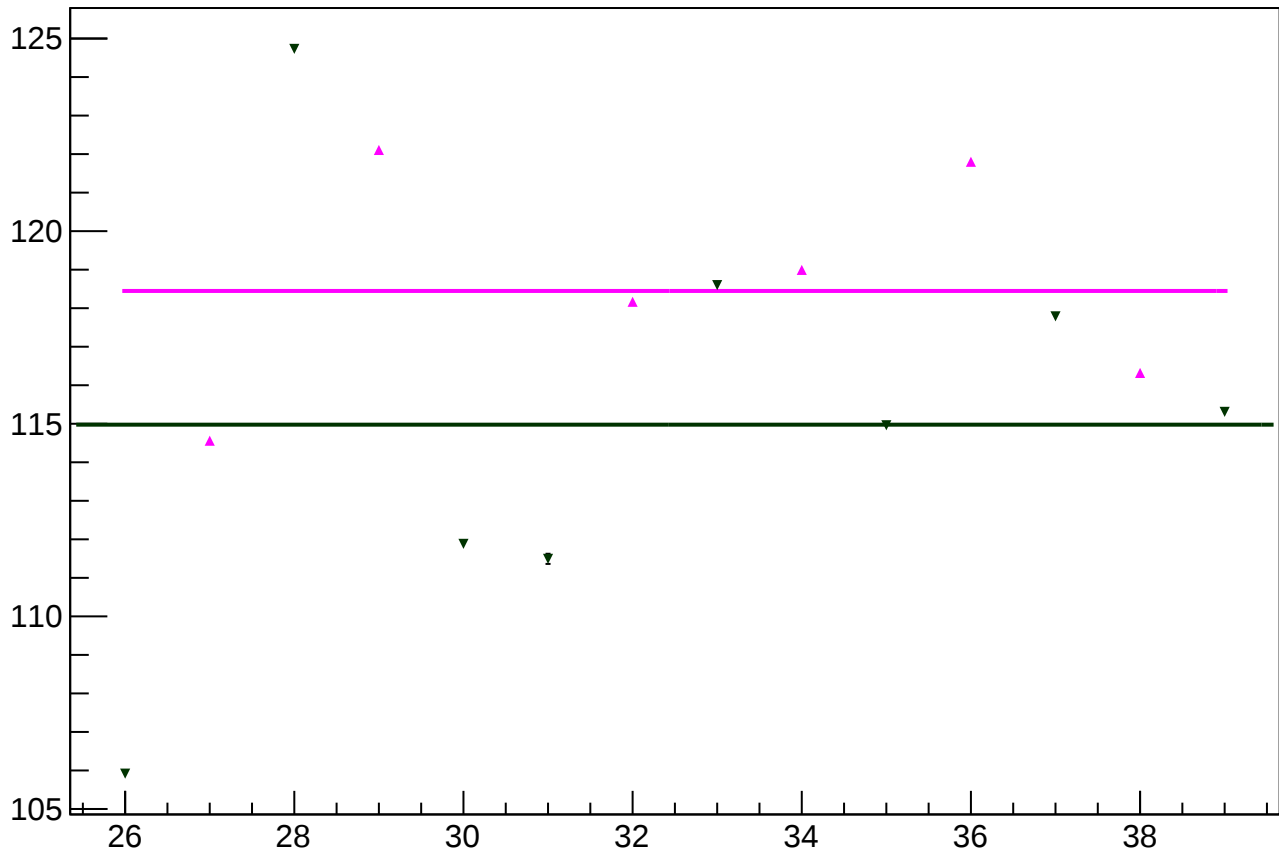
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 110789.132+/-0.061  $\chi^2/\text{NDF}$ : 1964328551.4/5

110209.762+/-0.059  $\chi^2/\text{NDF}$ : 2253334766.9/7

110789.132+/-0.061  $\chi^2/\text{NDF}$ : 1964328551.4/5

# yield\_bpm2i01WS\_rms vs slug



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

Left Out: 114.976+/-0.042  $\chi^2/\text{NDF}$ : 17825.5/7

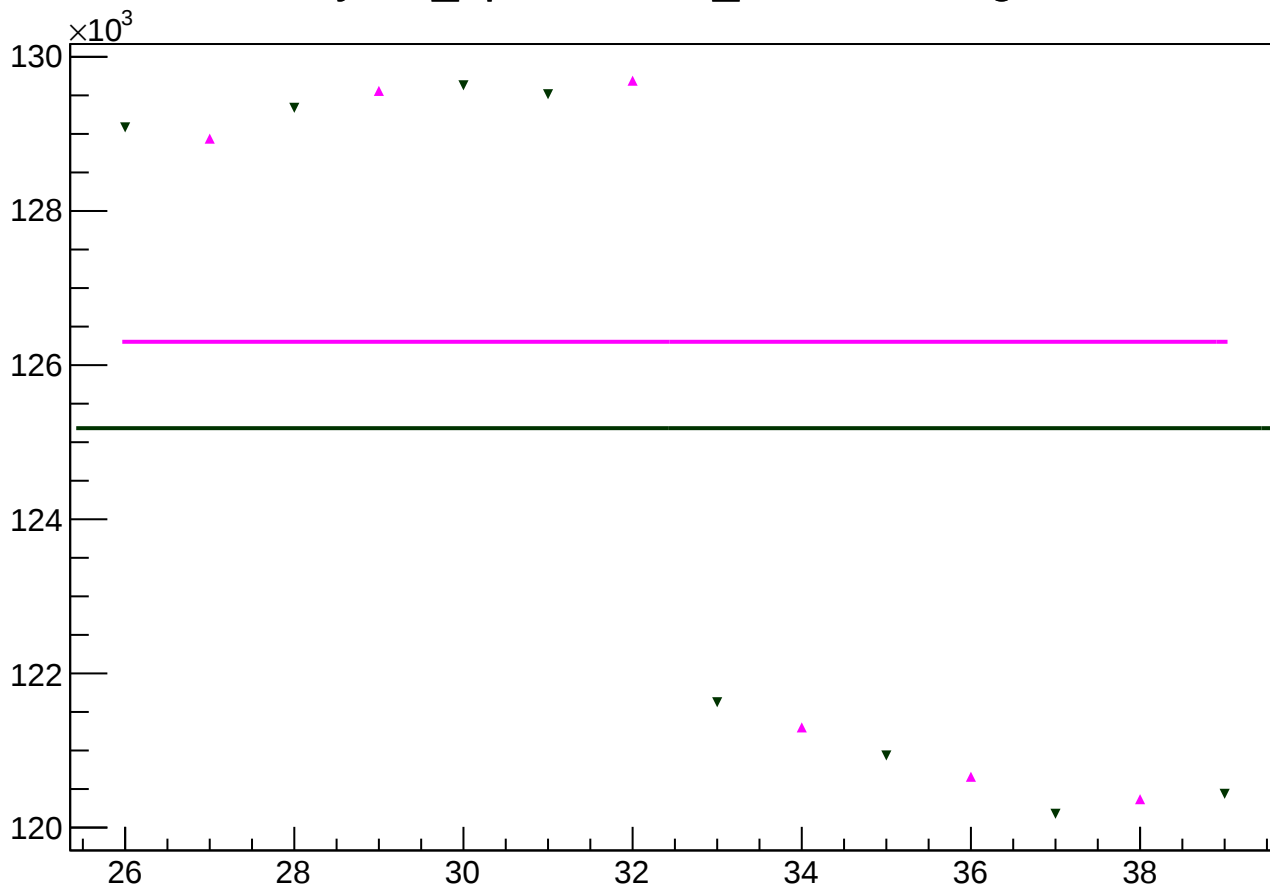
114.976+/-0.042  $\chi^2/\text{NDF}$ : 17825.5/7

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

118.447+/-0.043  $\chi^2/\text{NDF}$ : 4276.4/5

Left In: 118.447+/-0.043  $\chi^2/\text{NDF}$ : 4276.4/5

# yield\_bpm0i07WS\_mean vs slug



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

Left Out: 125182.115+/-0.103  $\chi^2/\text{NDF}$ :1787975242.5/7

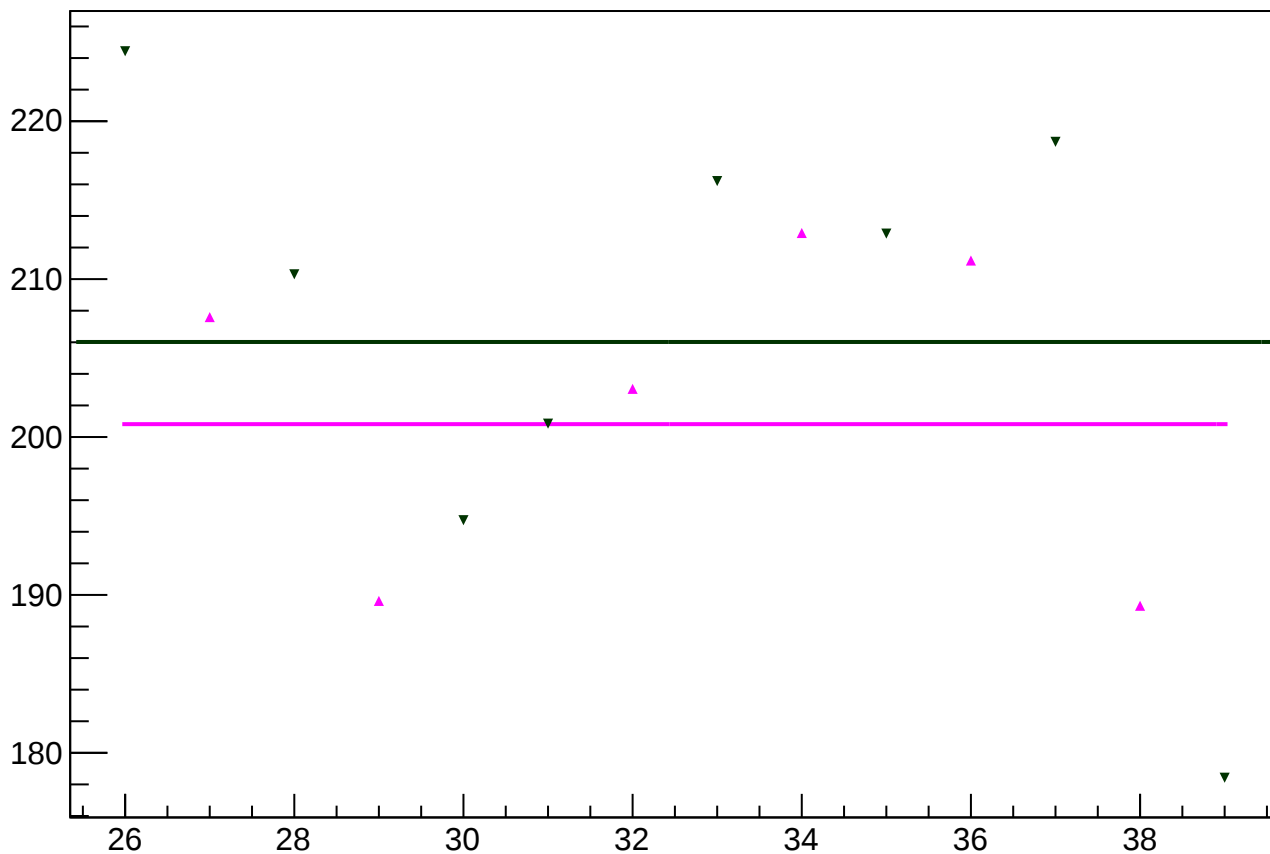
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 126302.958+/-0.099  $\chi^2/\text{NDF}$ :1764511041.1/5

125182.115+/-0.103  $\chi^2/\text{NDF}$ : 1787975242.5/7

126302.958+/-0.099  $\chi^2/\text{NDF}$ : 1764511041.1/5

# yield\_bpm0i07WS\_rms vs slug



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

Left Out: 206.019+/-0.073  $\chi^2/\text{NDF}$ : 38339.2/7

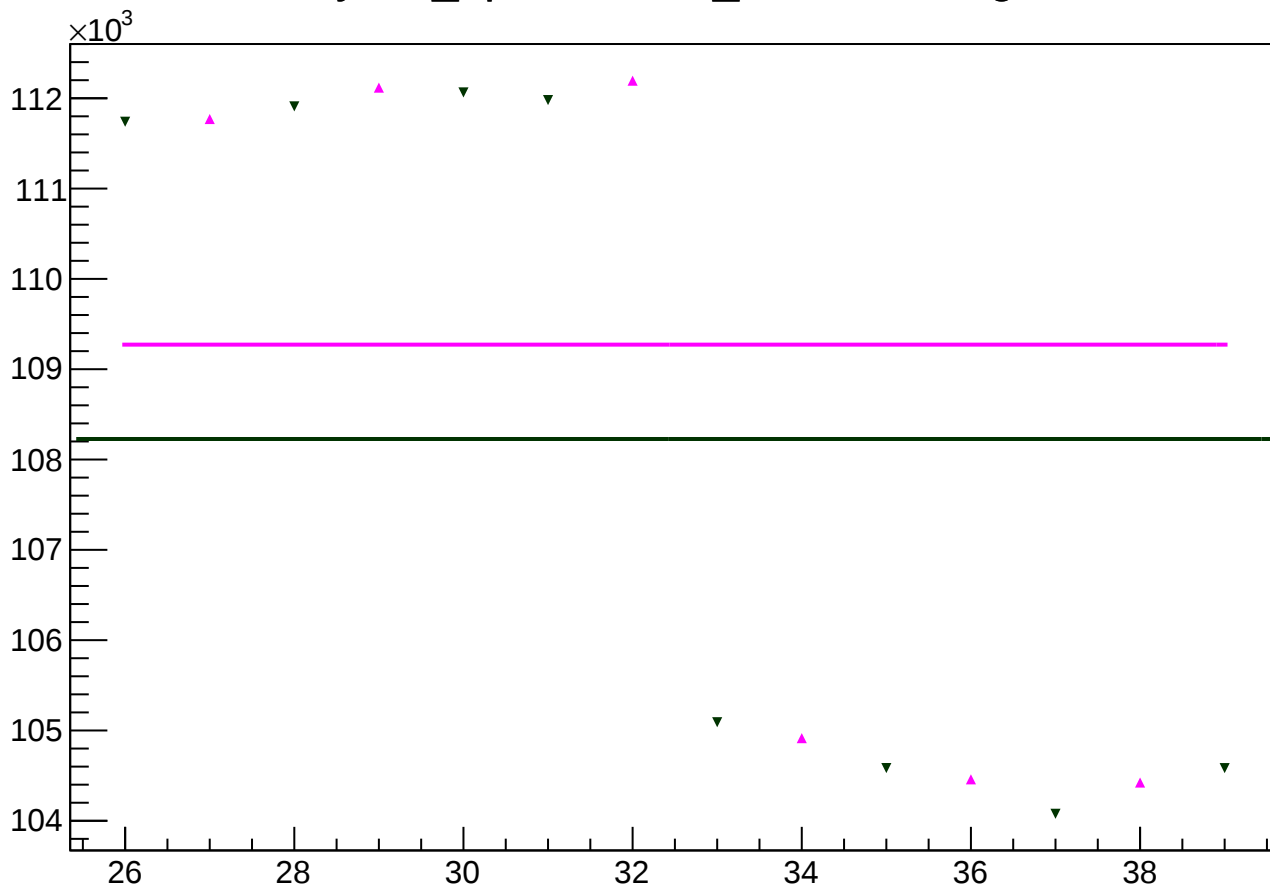
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 200.815+/-0.070  $\chi^2/\text{NDF}$ : 17309.3/5

206.019+/-0.073  $\chi^2/\text{NDF}$ : 38339.2/7

200.815+/-0.070  $\chi^2/\text{NDF}$ : 17309.3/5

# yield\_bpm0l01WS\_mean vs slug



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

Left Out: 108227.326+/-0.055  $\chi^2/\text{NDF}$ : 4475101003.4/7

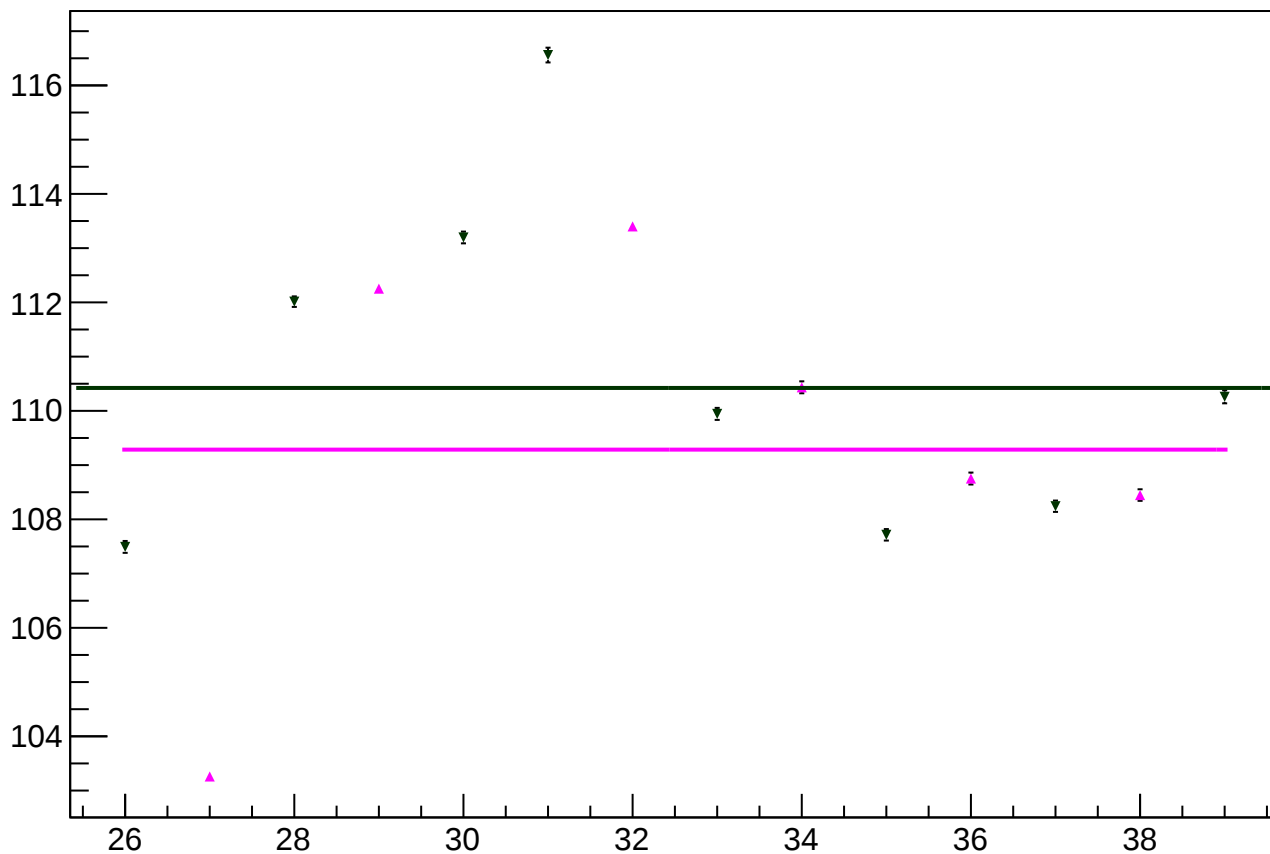
108227.326+/-0.055  $\chi^2/\text{NDF}$ : 4475101003.4/7

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

109272.044+/-0.054  $\chi^2/\text{NDF}$ : 4399919292.7/5

Left In: 109272.044+/-0.054  $\chi^2/\text{NDF}$ : 4399919292.7/5

# yield\_bpm0l01WS\_rms vs slug



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

Left Out: 110.422+/-0.039  $\chi^2/\text{NDF}$ : 4777.1/7

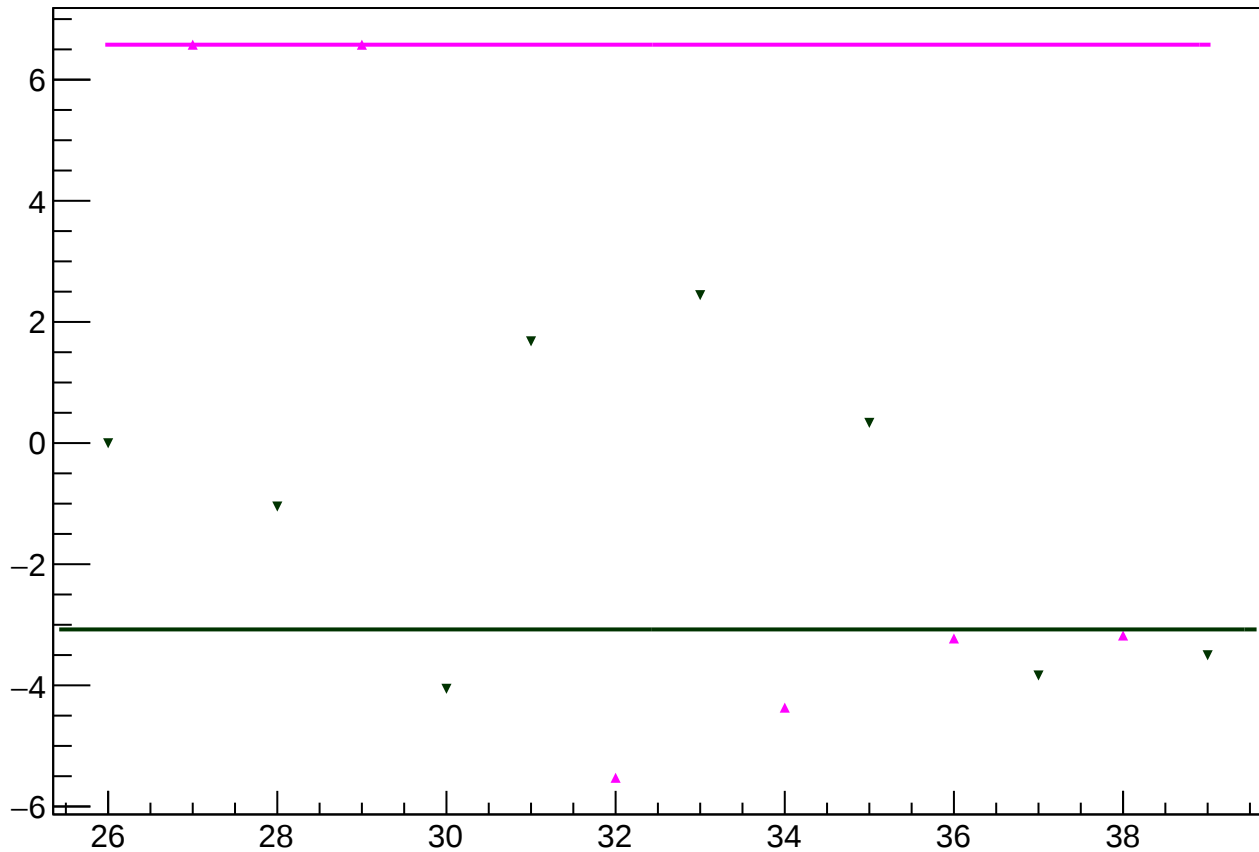
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 109.285+/-0.038  $\chi^2/\text{NDF}$ : 9444.7/5

110.422+/-0.039  $\chi^2/\text{NDF}$ : 4777.1/7

109.285+/-0.038  $\chi^2/\text{NDF}$ : 9444.7/5

yield\_cav4bX\_mean vs slug



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

Left Out: -3.077+/-0.001  $\chi^2/\text{NDF}$ : 3883229.8/7

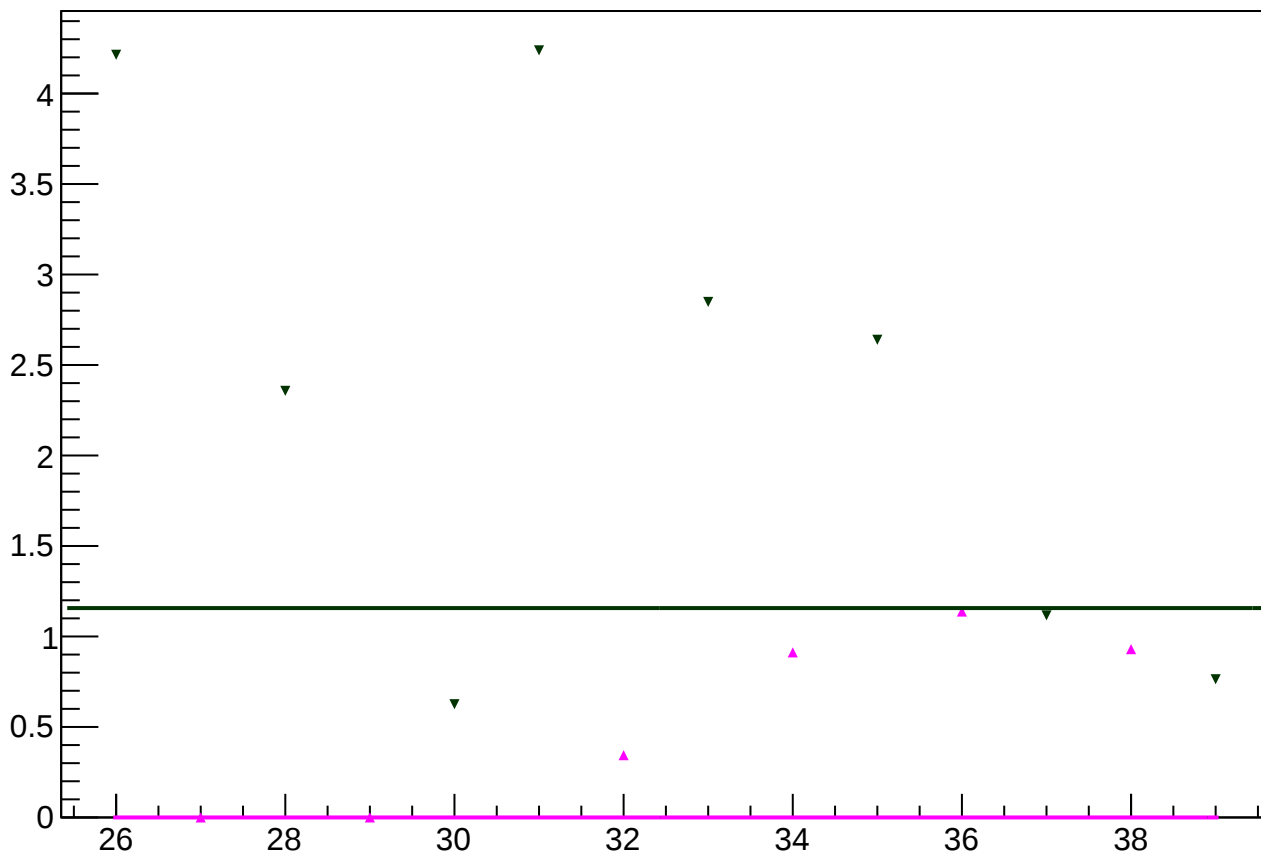
-3.077+/-0.001  $\chi^2/\text{NDF}$ : 3883229.8/7

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

6.578+/-0.000  $\chi^2/\text{NDF}$ : 463275349.7/5

Left In: 6.578+/-0.000  $\chi^2/\text{NDF}$ : 463275349.7/5

# yield\_cav4bX\_rms vs slug



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

Left Out: 1.157+/-0.001  $\chi^2/\text{NDF}$ : 2088209.1/7

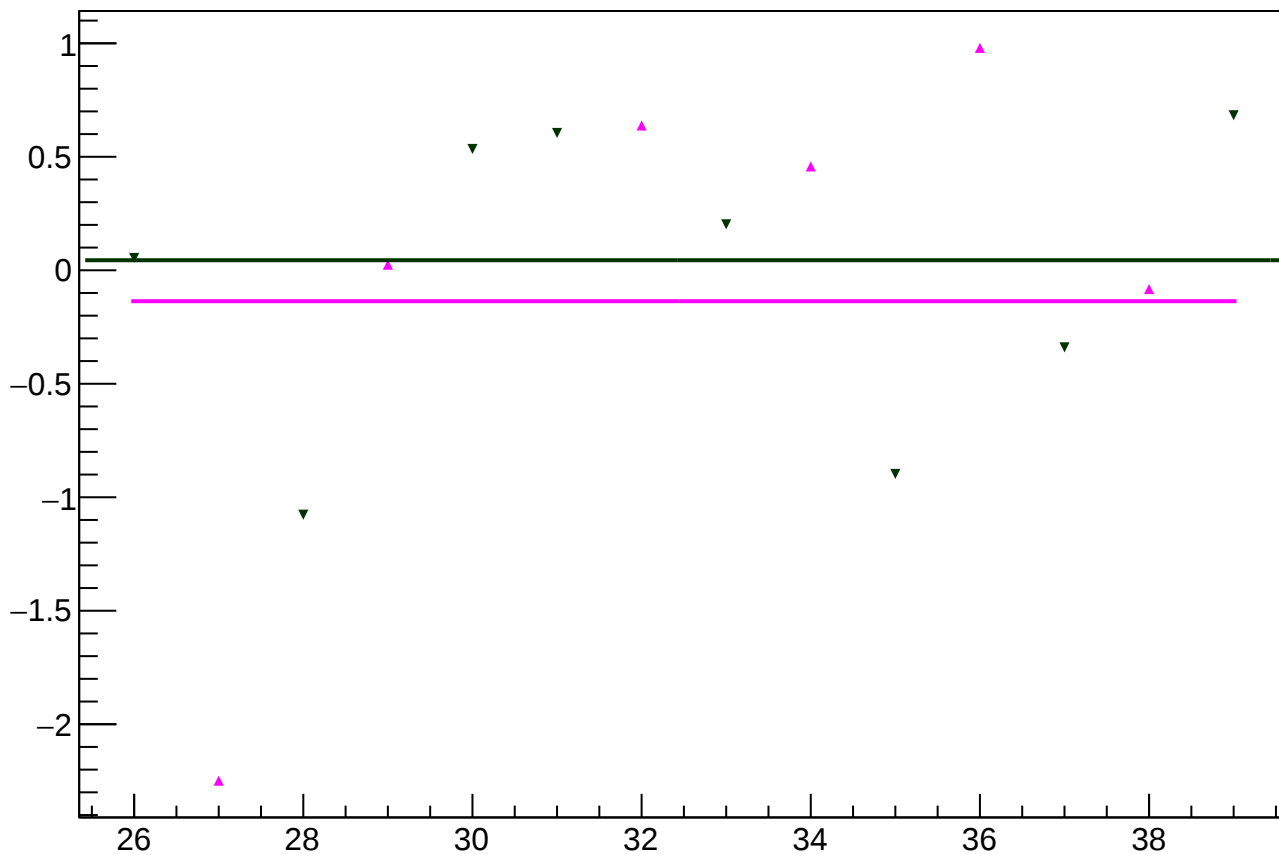
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 2189129.4/5

1.157+/-0.001  $\chi^2/\text{NDF}$ : 2088209.1/7

0.000+/-0.000  $\chi^2/\text{NDF}$ : 2189129.4/5

# yield\_cav4bY\_mean vs slug



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

Left Out: 0.044+/-0.000  $\chi^2/\text{NDF}$ :2691745.6/7

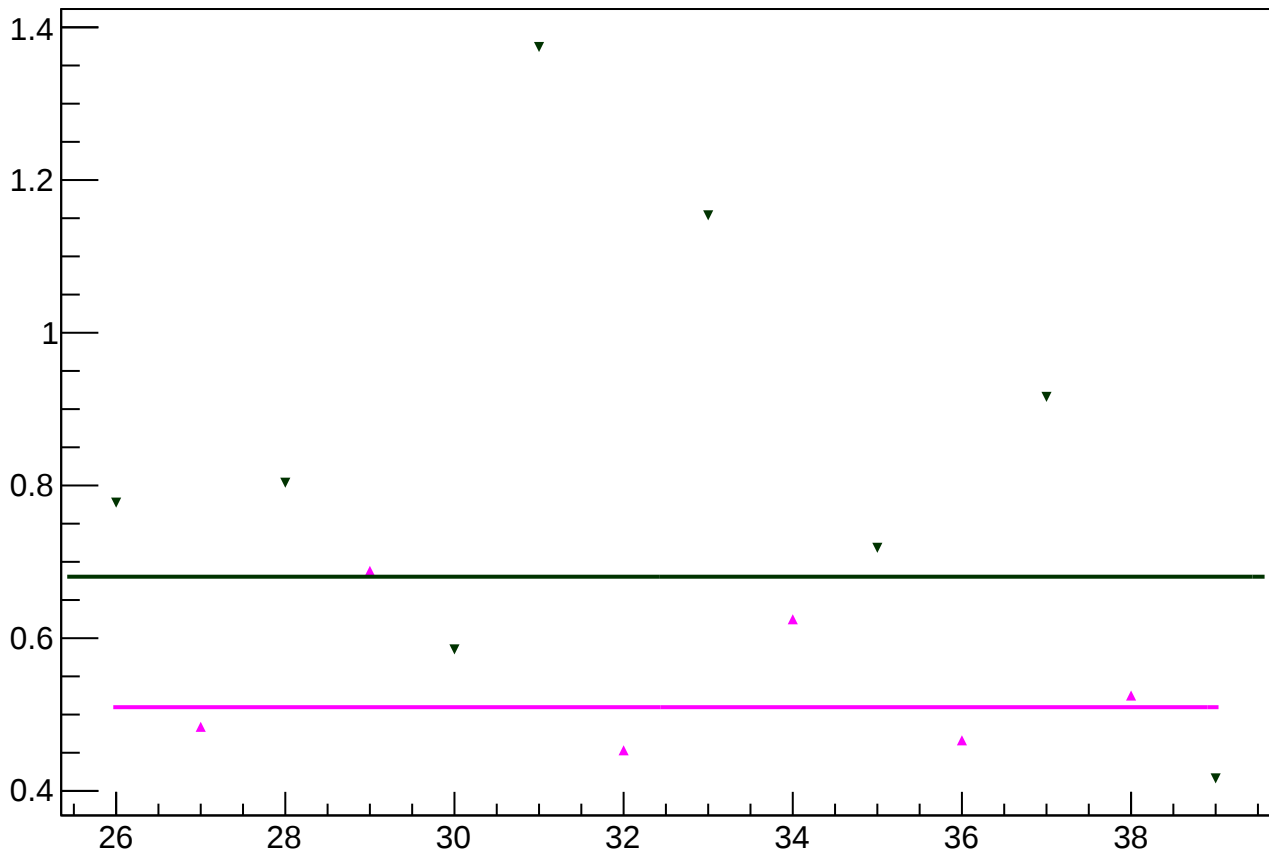
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.136+/-0.000  $\chi^2/\text{NDF}$ :14720162.9/5

0.044+/-0.000  $\chi^2/\text{NDF}$ : 2691745.6/7

-0.136+/-0.000  $\chi^2/\text{NDF}$ : 14720162.9/5

# yield\_cav4bY\_rms vs slug



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

Left Out: 0.681+/-0.000  $\chi^2/\text{NDF}$ : 641372.4/7

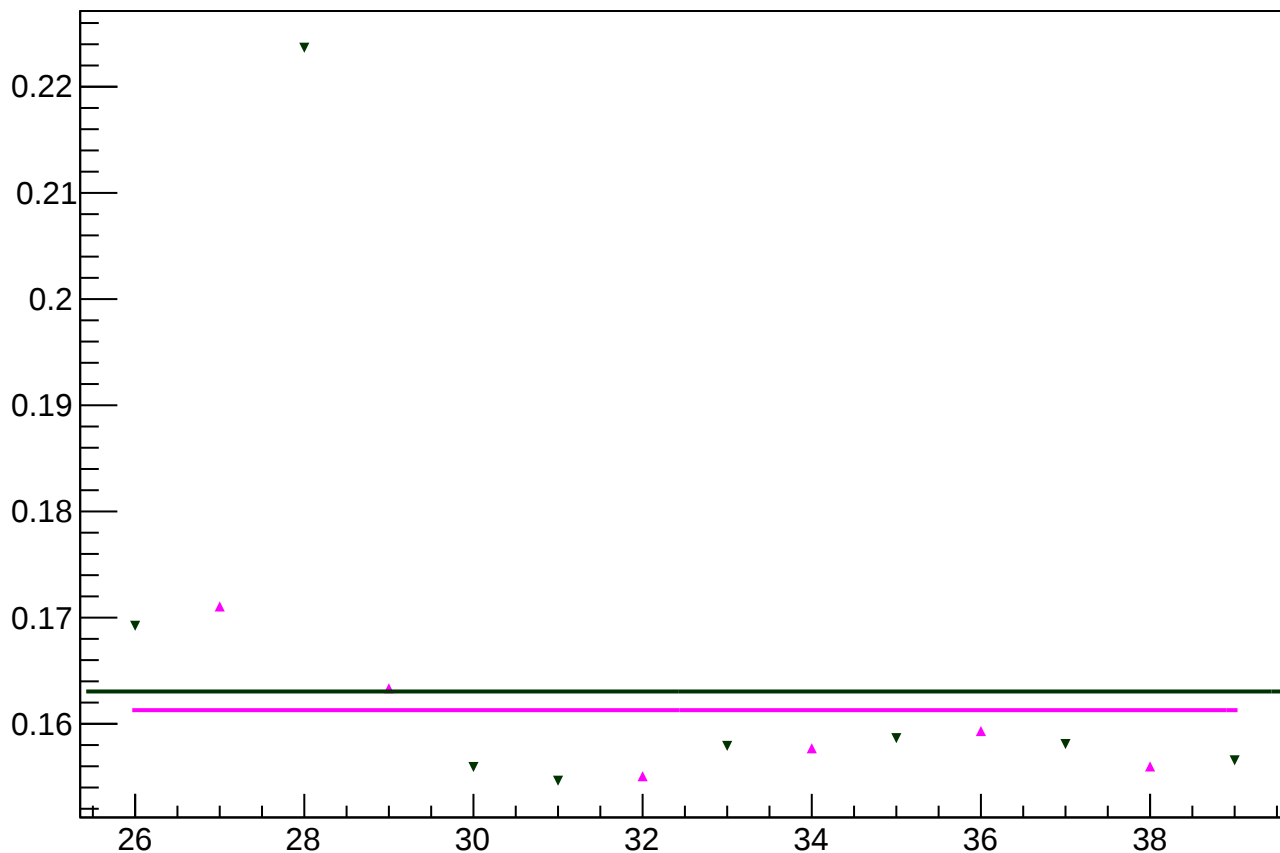
0.681+/-0.000  $\chi^2/\text{NDF}$ : 641372.4/7

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

0.510+/-0.000  $\chi^2/\text{NDF}$ : 120234.7/5

Left In: 0.510+/-0.000  $\chi^2/\text{NDF}$ : 120234.7/5

yield\_cav4cX\_mean vs slug



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

Left Out: 0.163+/-0.000  $\chi^2/\text{NDF}$ : 101020028.9/7

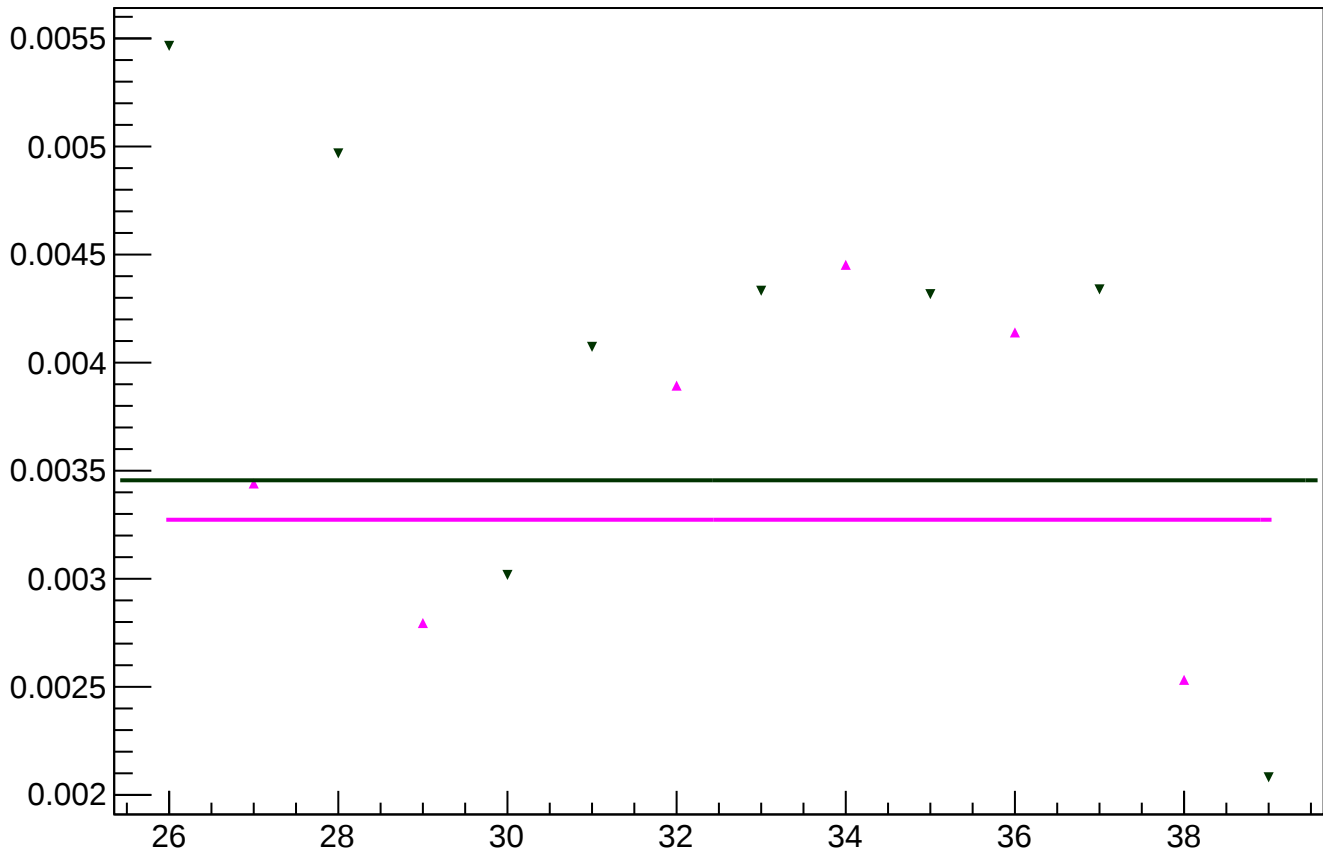
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.161+/-0.000  $\chi^2/\text{NDF}$ : 11225170.5/5

0.163+/-0.000  $\chi^2/\text{NDF}$ : 101020028.9/7

0.161+/-0.000  $\chi^2/\text{NDF}$ : 11225170.5/5

# yield\_cav4cX\_rms vs slug



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

Left Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 762147.5/7

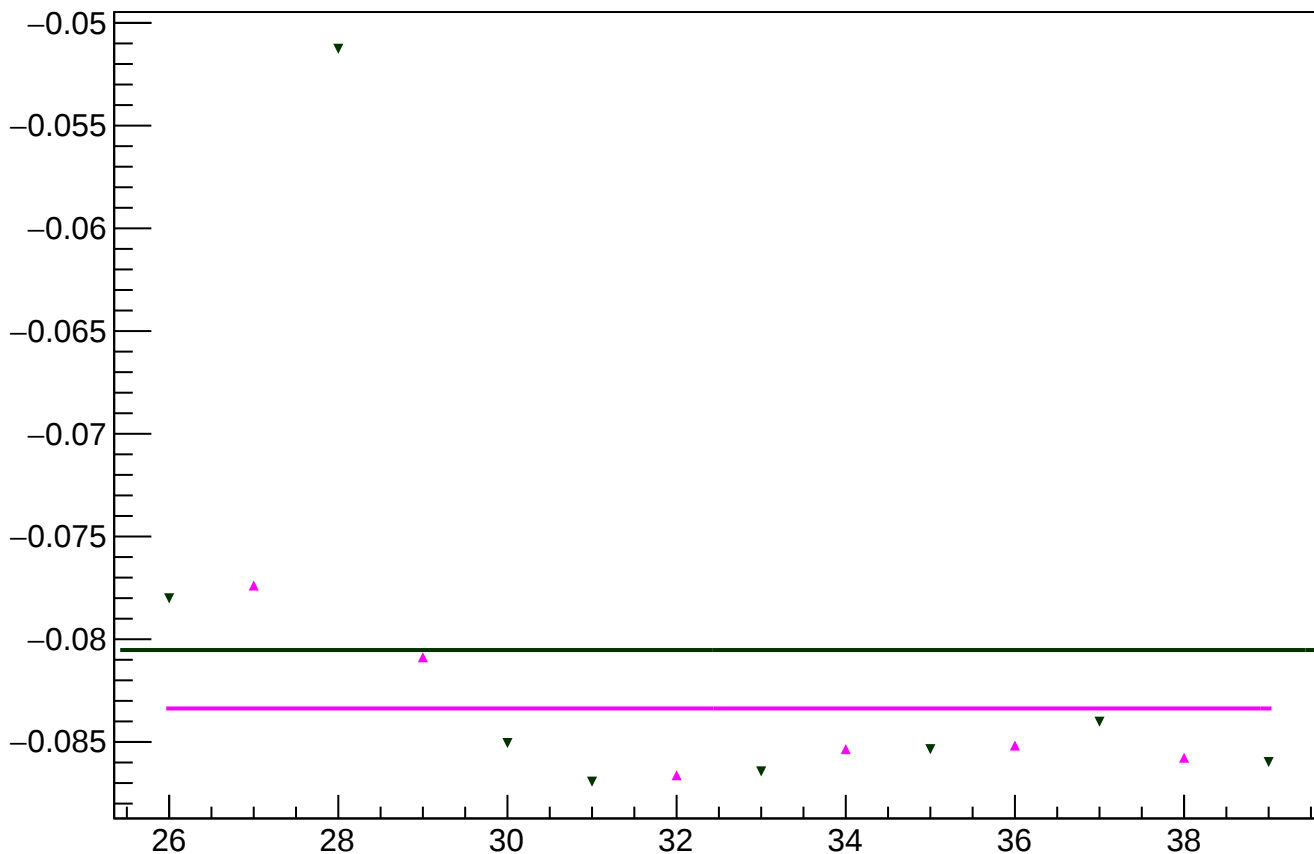
0.003+/-0.000  $\chi^2/\text{NDF}$ : 762147.5/7

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

0.003+/-0.000  $\chi^2/\text{NDF}$ : 277279.3/5

Left In: 0.003+/-0.000  $\chi^2/\text{NDF}$ : 277279.3/5

# yield\_cav4cY\_mean vs slug



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

Left Out: -0.081+/-0.000  $\chi^2/\text{NDF}$ : 34683964.8/7

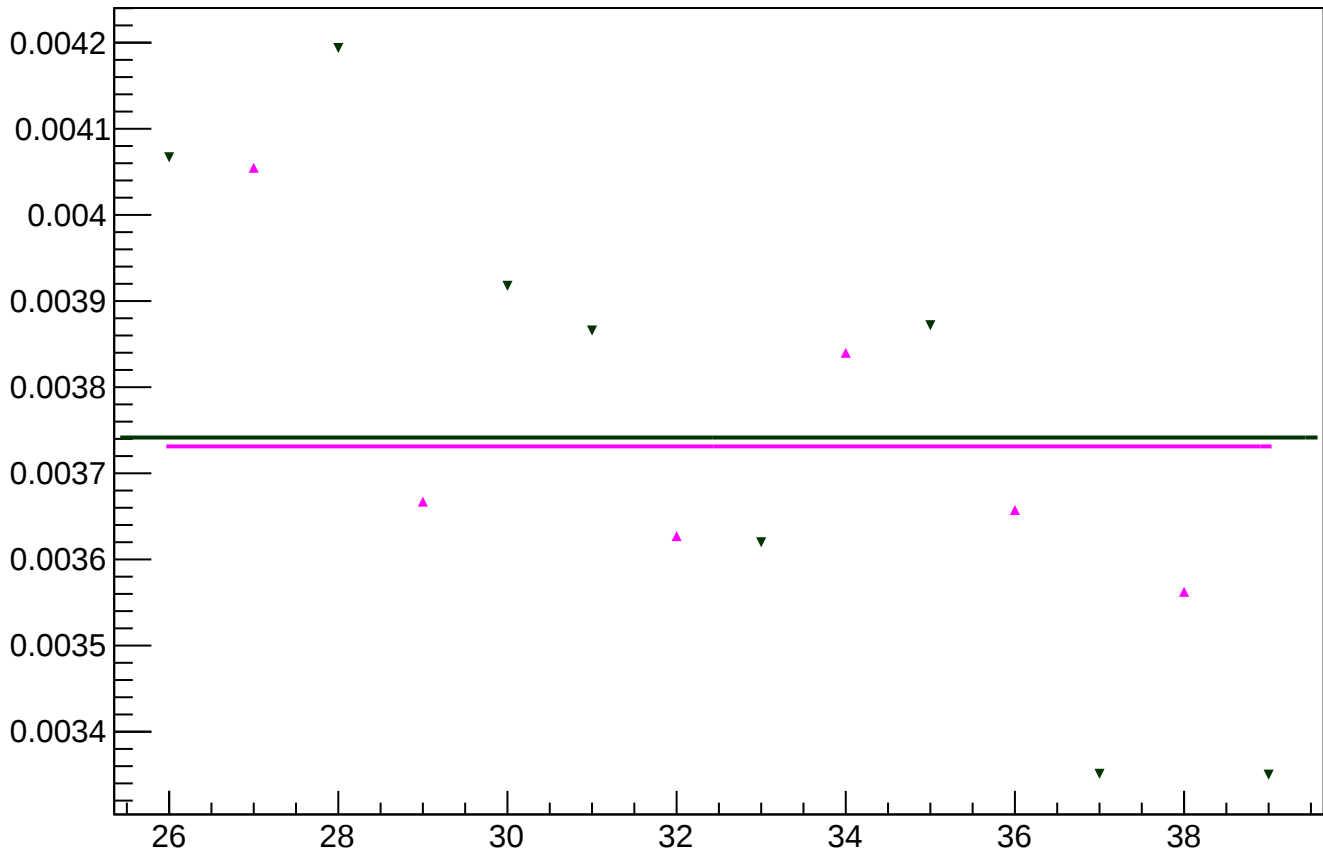
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.083+/-0.000  $\chi^2/\text{NDF}$ : 3347691.6/5

-0.081+/-0.000  $\chi^2/\text{NDF}$ : 34683964.8/7

-0.083+/-0.000  $\chi^2/\text{NDF}$ : 3347691.6/5

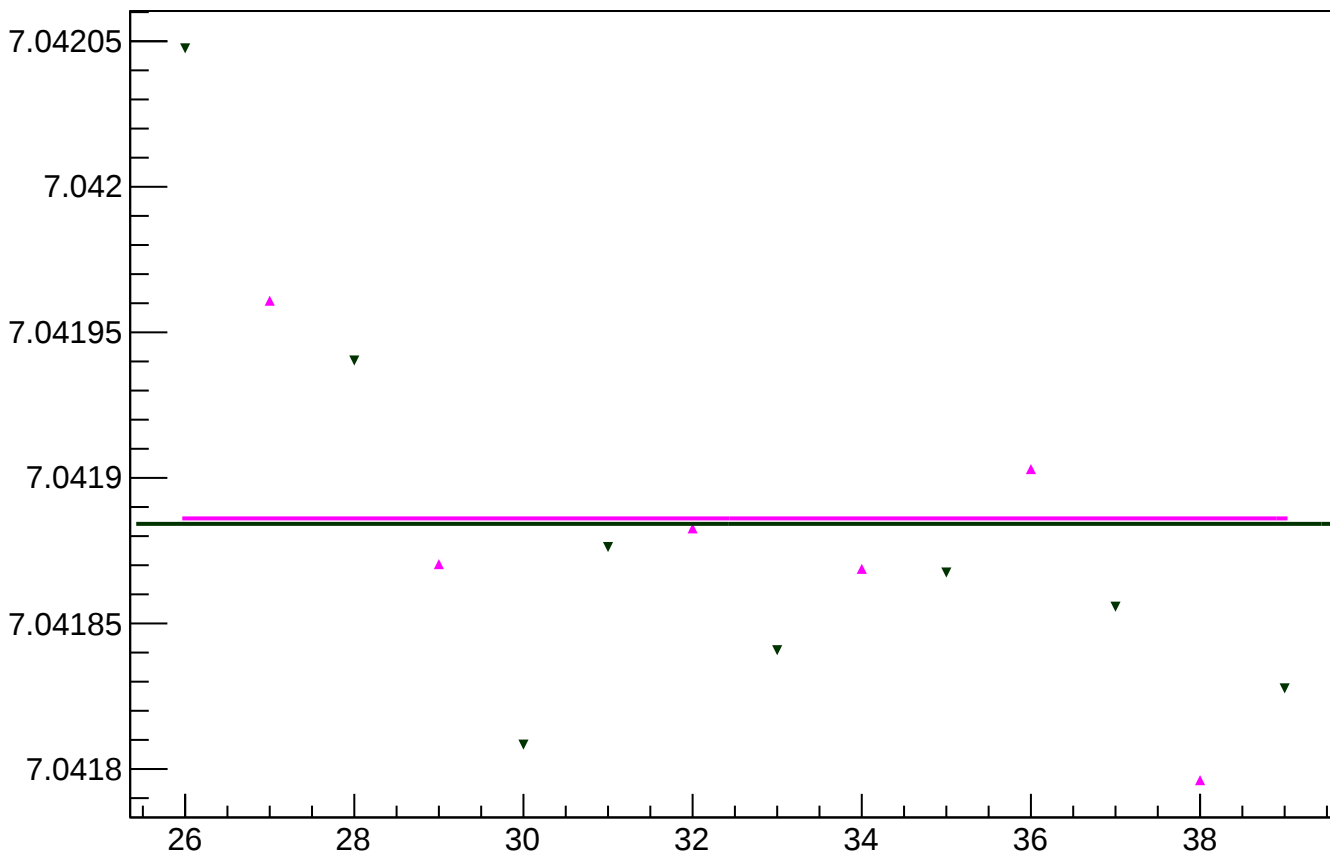
# yield\_cav4cY\_rms vs slug



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.004+/-0.000     $\chi^2/\text{NDF}$ : 51083.4/7  
 Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.004+/-0.000     $\chi^2/\text{NDF}$ : 15982.6/5

0.004+/-0.000     $\chi^2/\text{NDF}$ : 51083.4/7  
 0.004+/-0.000     $\chi^2/\text{NDF}$ : 15982.6/5

# yield\_cav4dX\_mean vs slug



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

Left Out: 7.042+/-0.000  $\chi^2/\text{NDF}$ : 786607.1/7

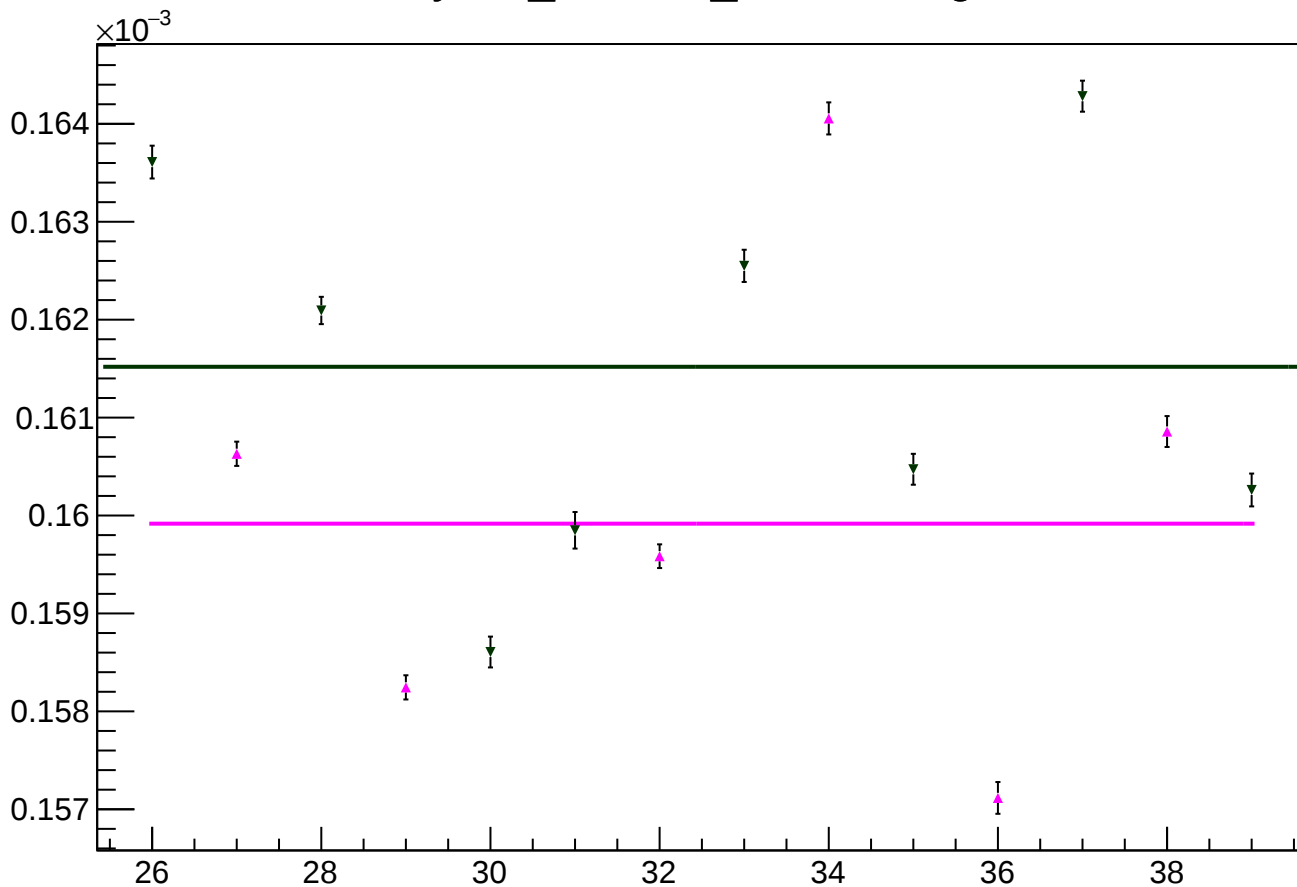
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 7.042+/-0.000  $\chi^2/\text{NDF}$ : 363986.8/5

7.042+/-0.000  $\chi^2/\text{NDF}$ : 786607.1/7

7.042+/-0.000  $\chi^2/\text{NDF}$ : 363986.8/5

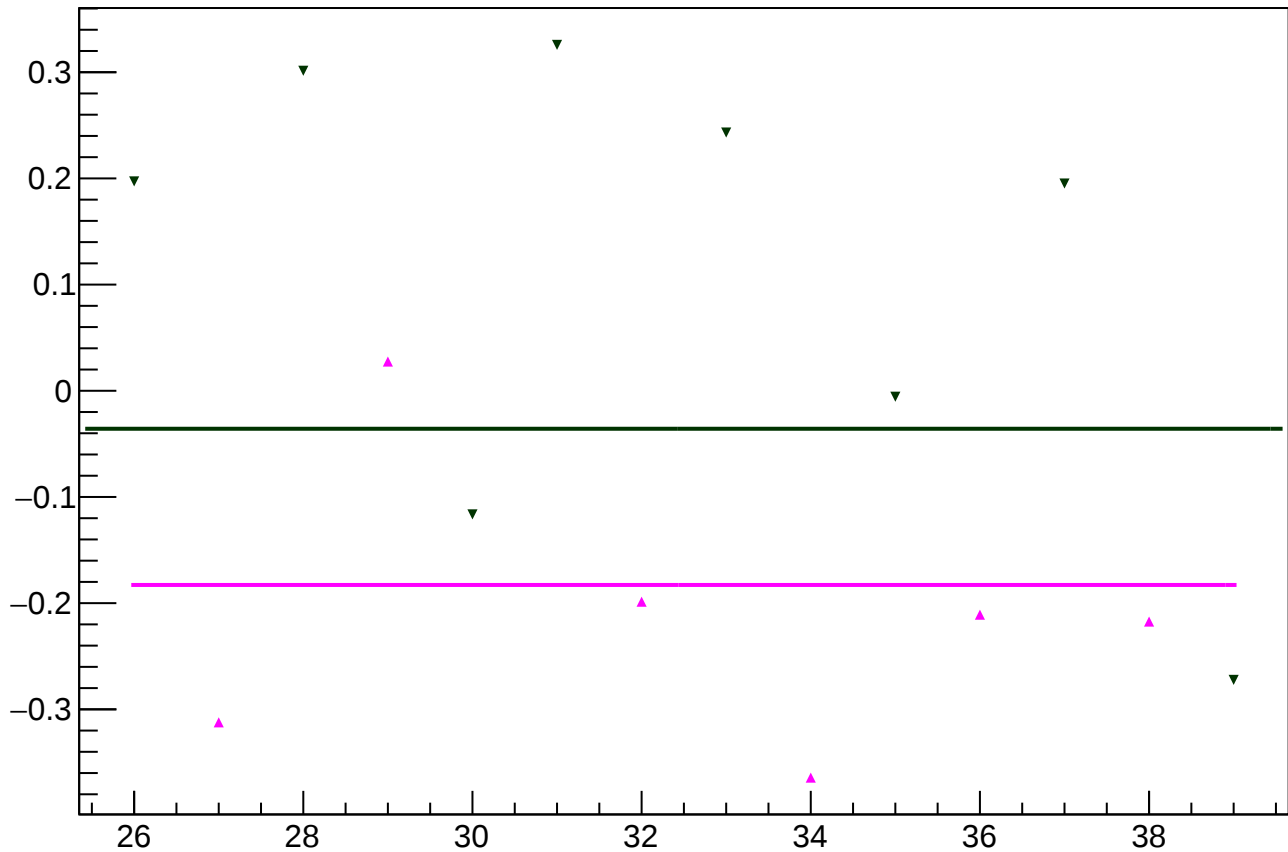
# yield\_cav4dX\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :1039.1/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :1195.6/5

0.000+/-0.000  $\chi^2/\text{NDF}$ : 1039.1/7  
 0.000+/-0.000  $\chi^2/\text{NDF}$ : 1195.6/5

# yield\_cav4dY\_mean vs slug



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

Left Out: -0.036+/-0.000  $\chi^2/\text{NDF}$ : 18679631.3/7

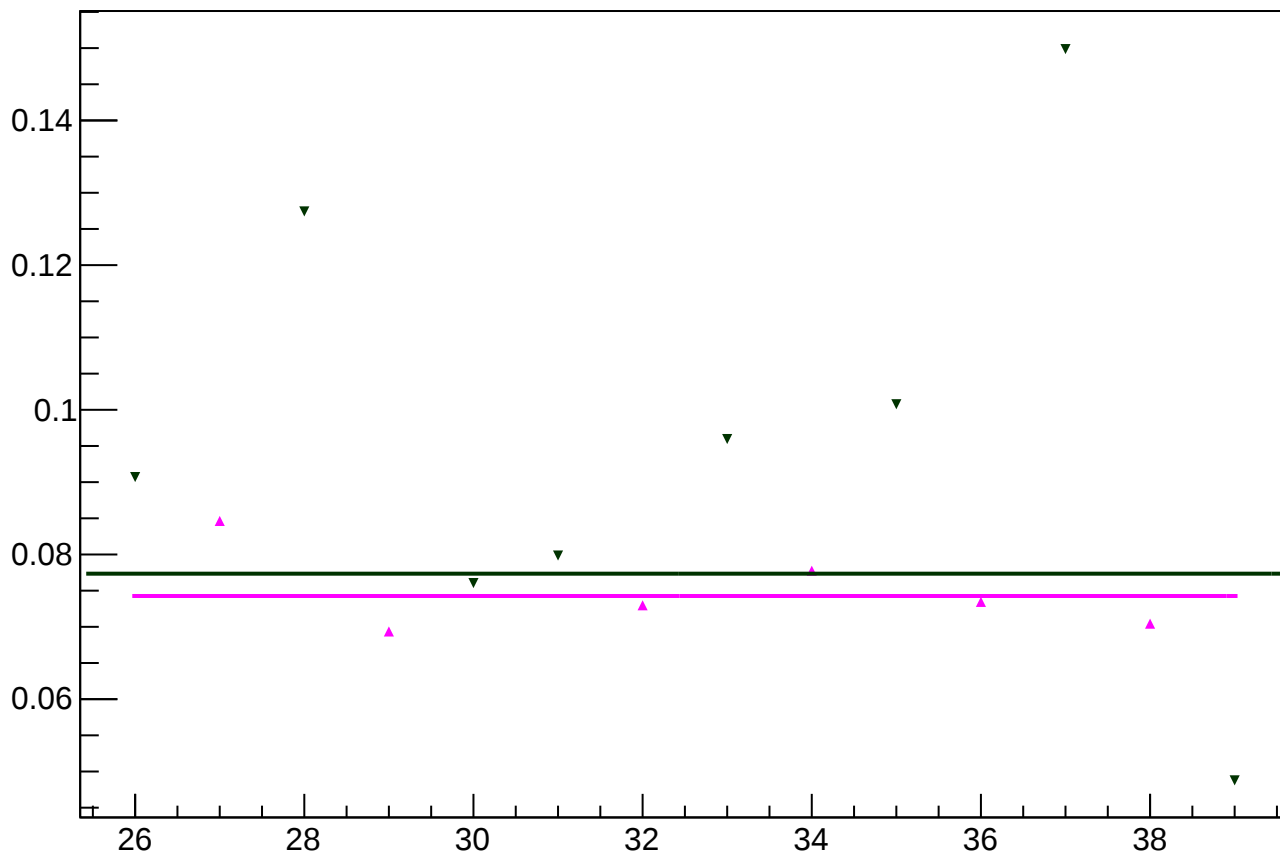
-0.036+/-0.000  $\chi^2/\text{NDF}$ : 18679631.3/7

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

-0.183+/-0.000  $\chi^2/\text{NDF}$ : 6969254.1/5

Left In: -0.183+/-0.000  $\chi^2/\text{NDF}$ : 6969254.1/5

# yield\_cav4dY\_rms vs slug



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

Left Out: 0.077+/-0.000  $\chi^2/\text{NDF}$ :553695.2/7

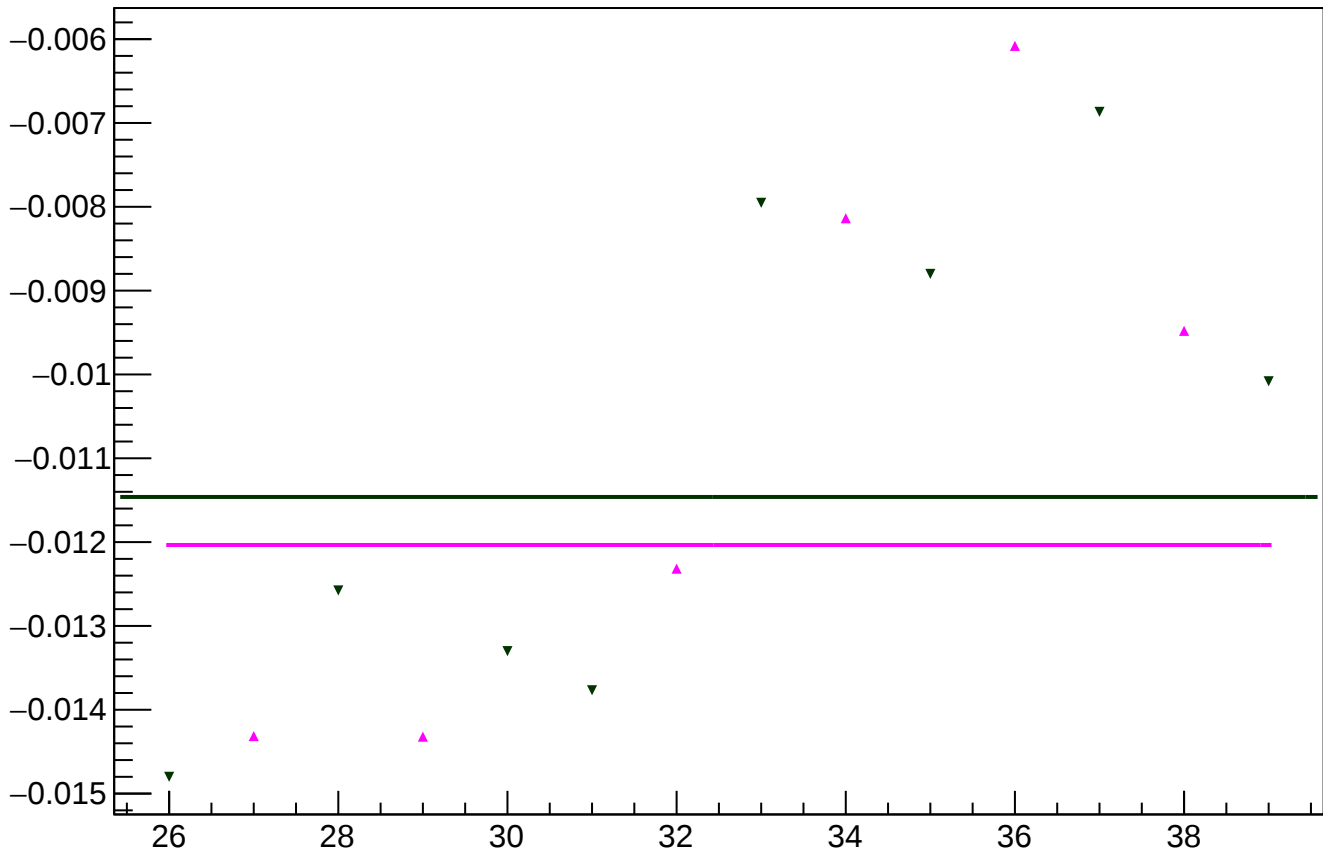
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.074+/-0.000  $\chi^2/\text{NDF}$ :24646.8/5

0.077+/-0.000  $\chi^2/\text{NDF}$ : 553695.2/7

0.074+/-0.000  $\chi^2/\text{NDF}$ : 24646.8/5

# yield\_bpm4aX\_mean vs slug



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

Left Out: -0.011+/-0.000  $\chi^2/\text{NDF}$ : 361488.5/7

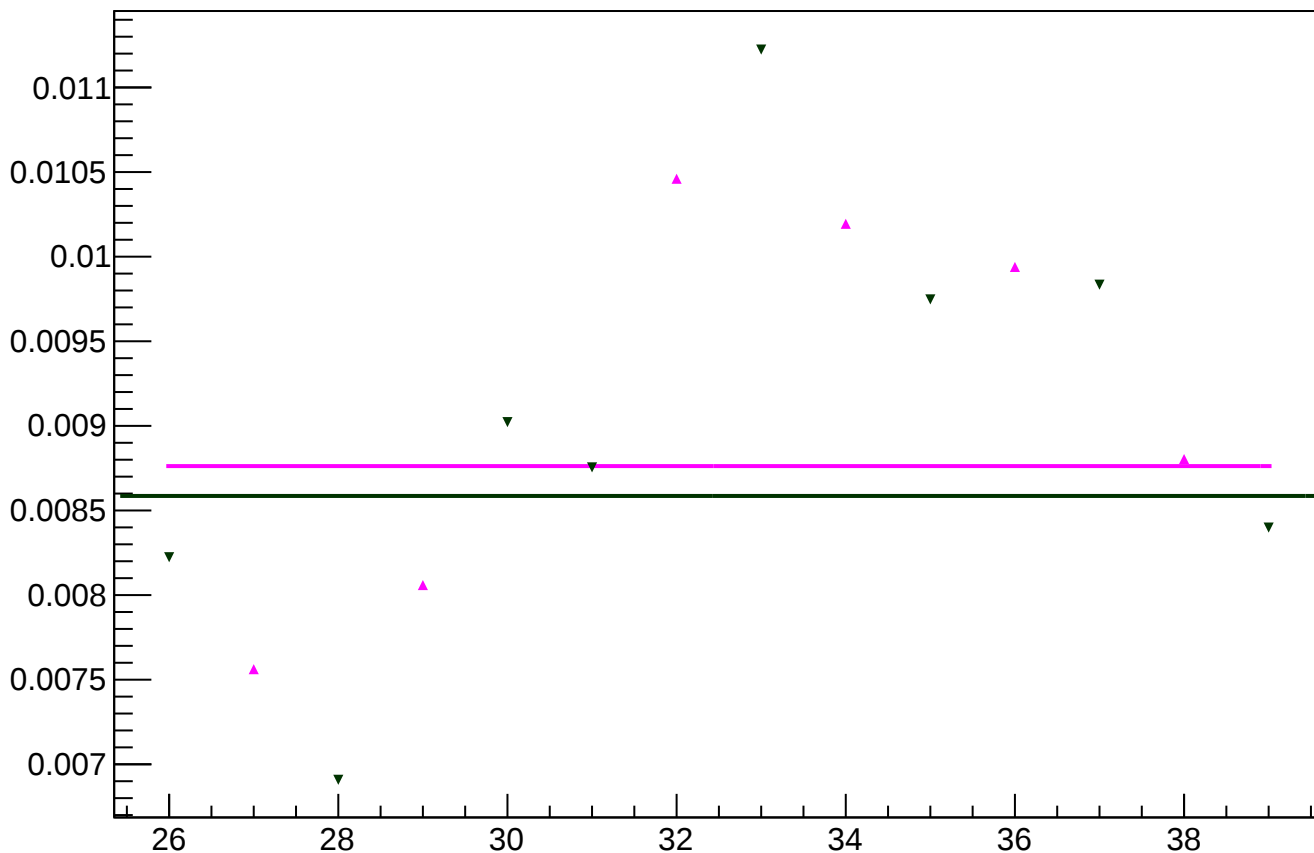
-0.011+/-0.000  $\chi^2/\text{NDF}$ : 361488.5/7

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

-0.012+/-0.000  $\chi^2/\text{NDF}$ : 431470.0/5

Left In: -0.012+/-0.000  $\chi^2/\text{NDF}$ : 431470.0/5

# yield\_bpm4aX\_rms vs slug



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

Left Out: 0.009+/-0.000  $\chi^2/\text{NDF}$ :171632.5/7

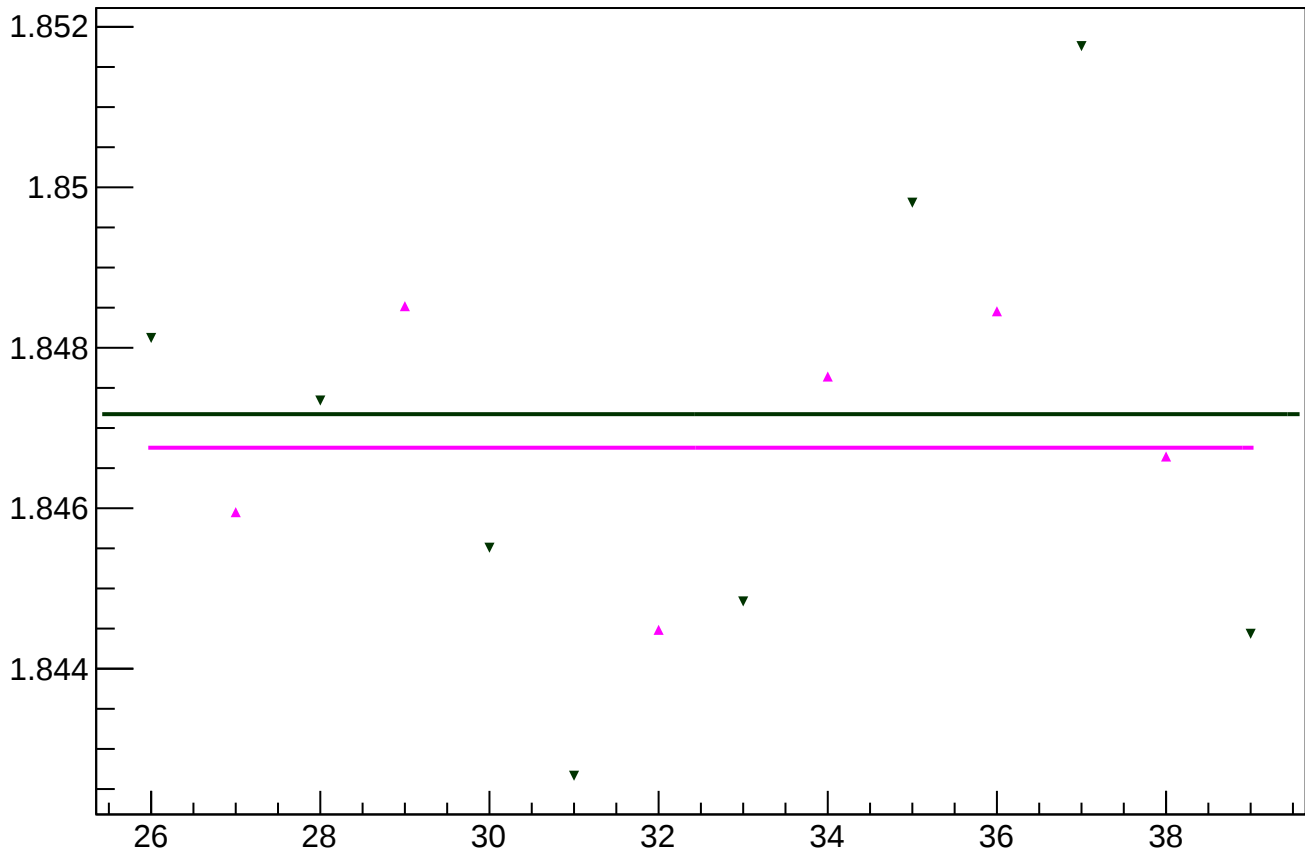
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.009+/-0.000  $\chi^2/\text{NDF}$ :134287.9/5

0.009+/-0.000  $\chi^2/\text{NDF}$ : 171632.5/7

0.009+/-0.000  $\chi^2/\text{NDF}$ : 134287.9/5

# yield\_bpm4aY\_mean vs slug



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

Left Out: 1.847+/-0.000  $\chi^2/\text{NDF}$ :148669.0/7

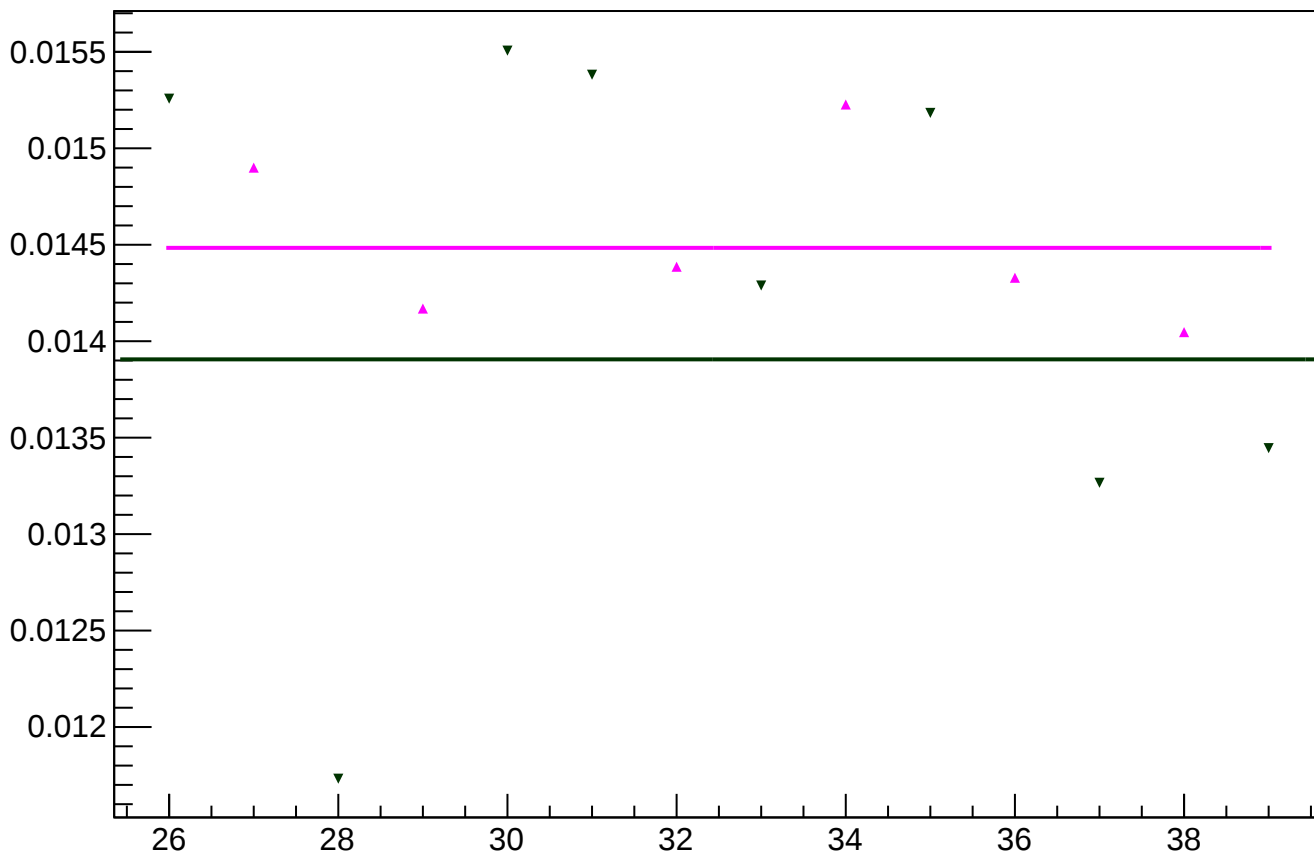
1.847+/-0.000  $\chi^2/\text{NDF}$ : 148669.0/7

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

1.847+/-0.000  $\chi^2/\text{NDF}$ : 45029.5/5

Left In: 1.847+/-0.000  $\chi^2/\text{NDF}$ :45029.5/5

# yield\_bpm4aY\_rms vs slug



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

Left Out: 0.014+/-0.000  $\chi^2$ /NDF:76318.7/7

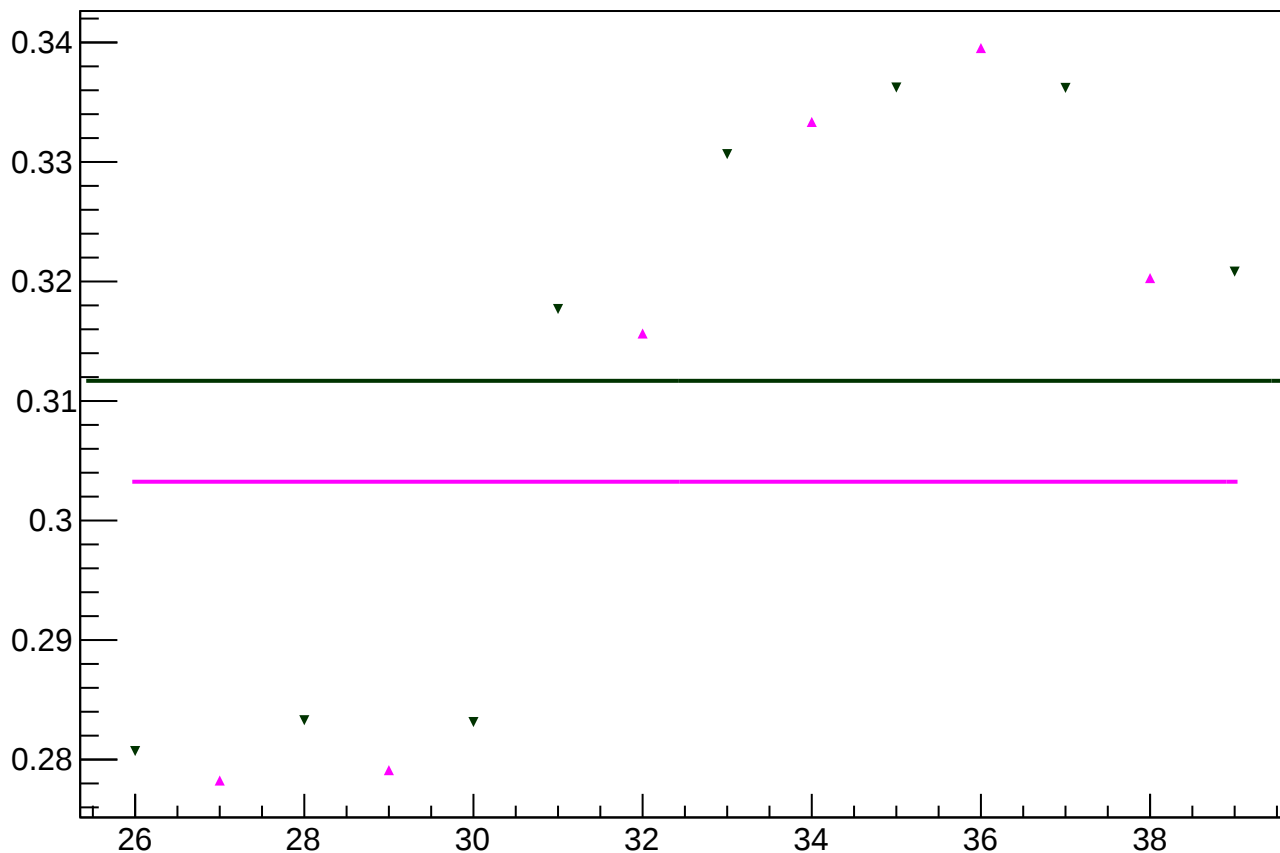
Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.014+/-0.000  $\chi^2$ /NDF:5606.7/5

0.014+/-0.000  $\chi^2$ /NDF: 76318.7/7

0.014+/-0.000  $\chi^2$ /NDF: 5606.7/5

# yield\_bpm4eX\_mean vs slug



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

Left Out: 0.312+/-0.000  $\chi^2/\text{NDF}$ : 4574807.9/7

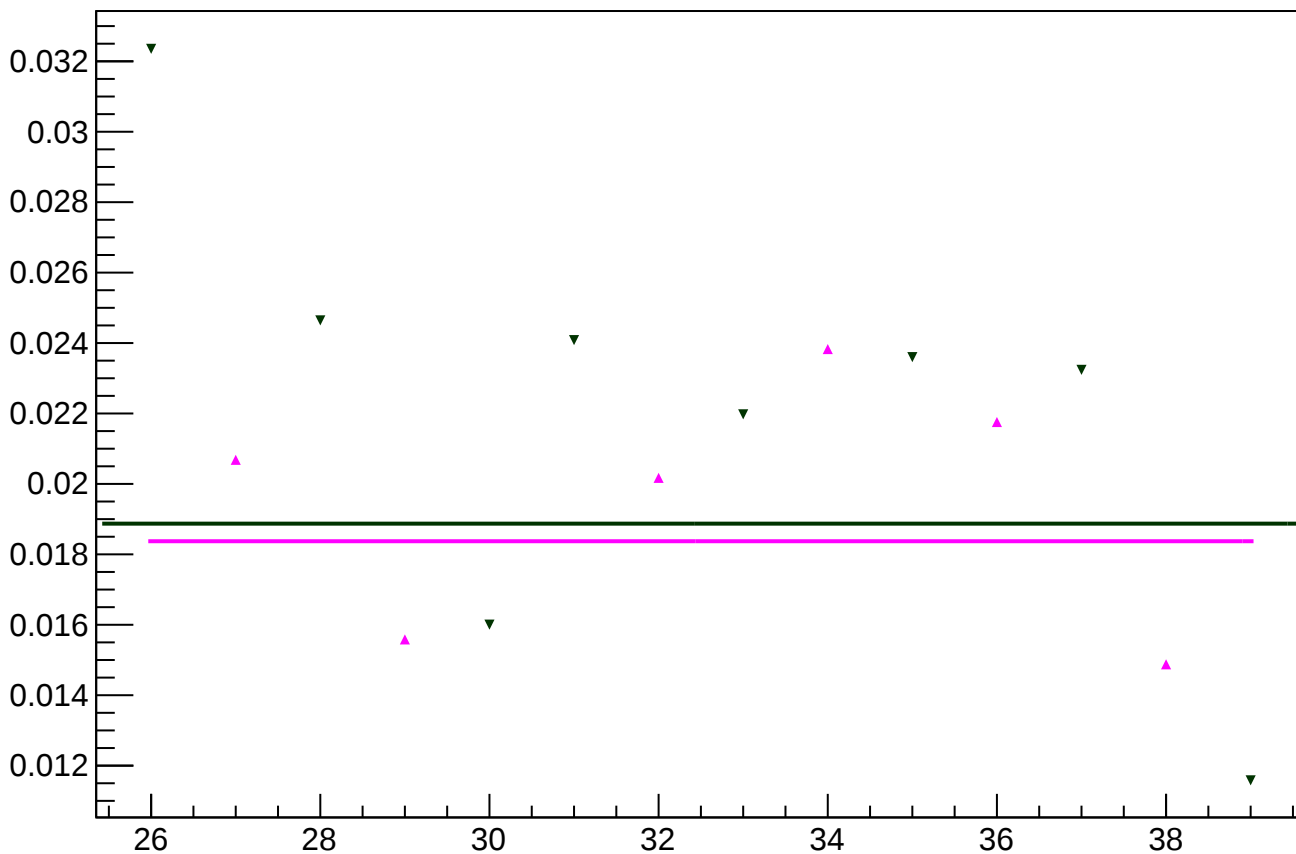
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.303+/-0.000  $\chi^2/\text{NDF}$ : 5957518.4/5

0.312+/-0.000  $\chi^2/\text{NDF}$ : 4574807.9/7

0.303+/-0.000  $\chi^2/\text{NDF}$ : 5957518.4/5

# yield\_bpm4eX\_rms vs slug



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

Left Out: 0.019+/-0.000  $\chi^2/\text{NDF}$ : 716421.2/7

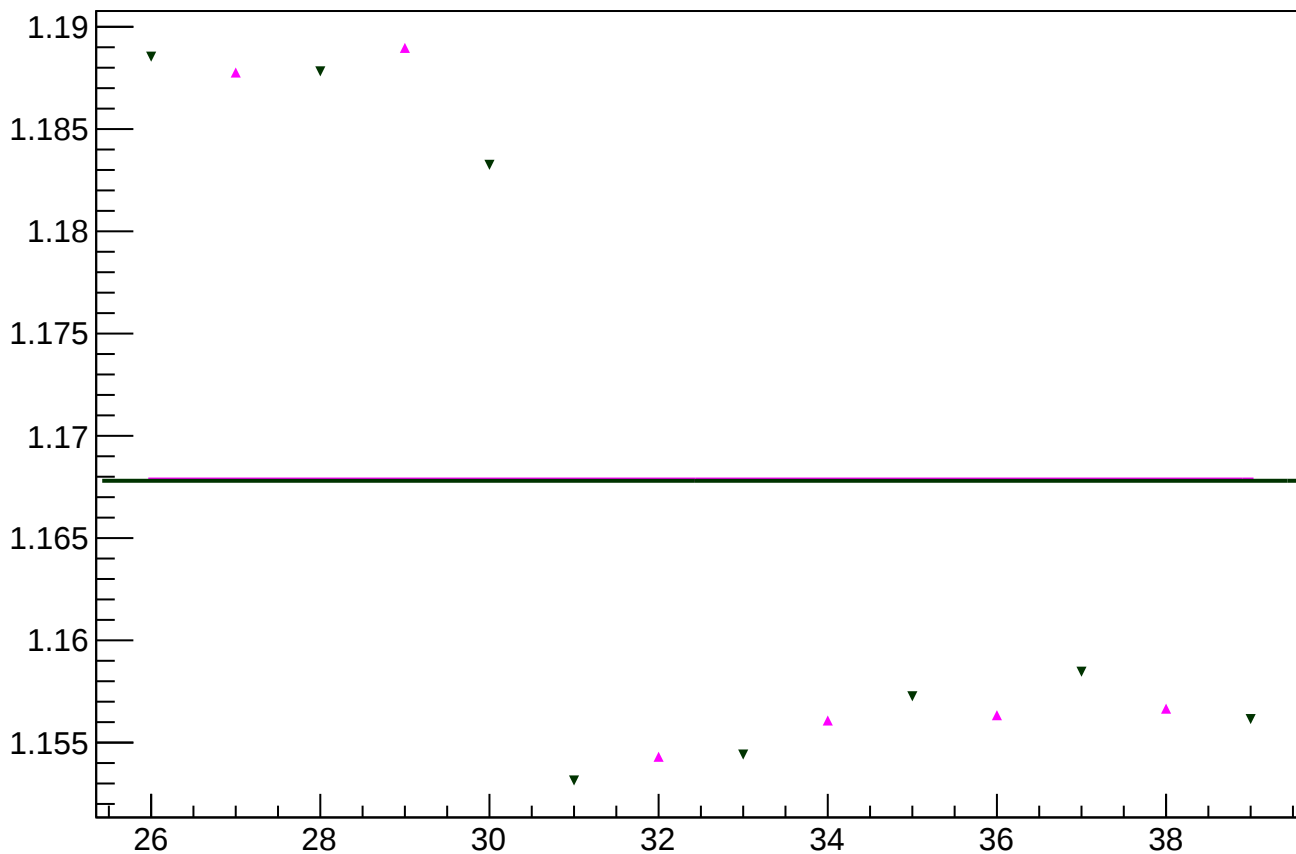
0.019+/-0.000  $\chi^2/\text{NDF}$ : 716421.2/7

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

0.018+/-0.000  $\chi^2/\text{NDF}$ : 205151.8/5

Left In: 0.018+/-0.000  $\chi^2/\text{NDF}$ : 205151.8/5

# yield\_bpm4eY\_mean vs slug



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

Left Out: 1.168+/-0.000  $\chi^2/\text{NDF}$ : 10980571.8/7

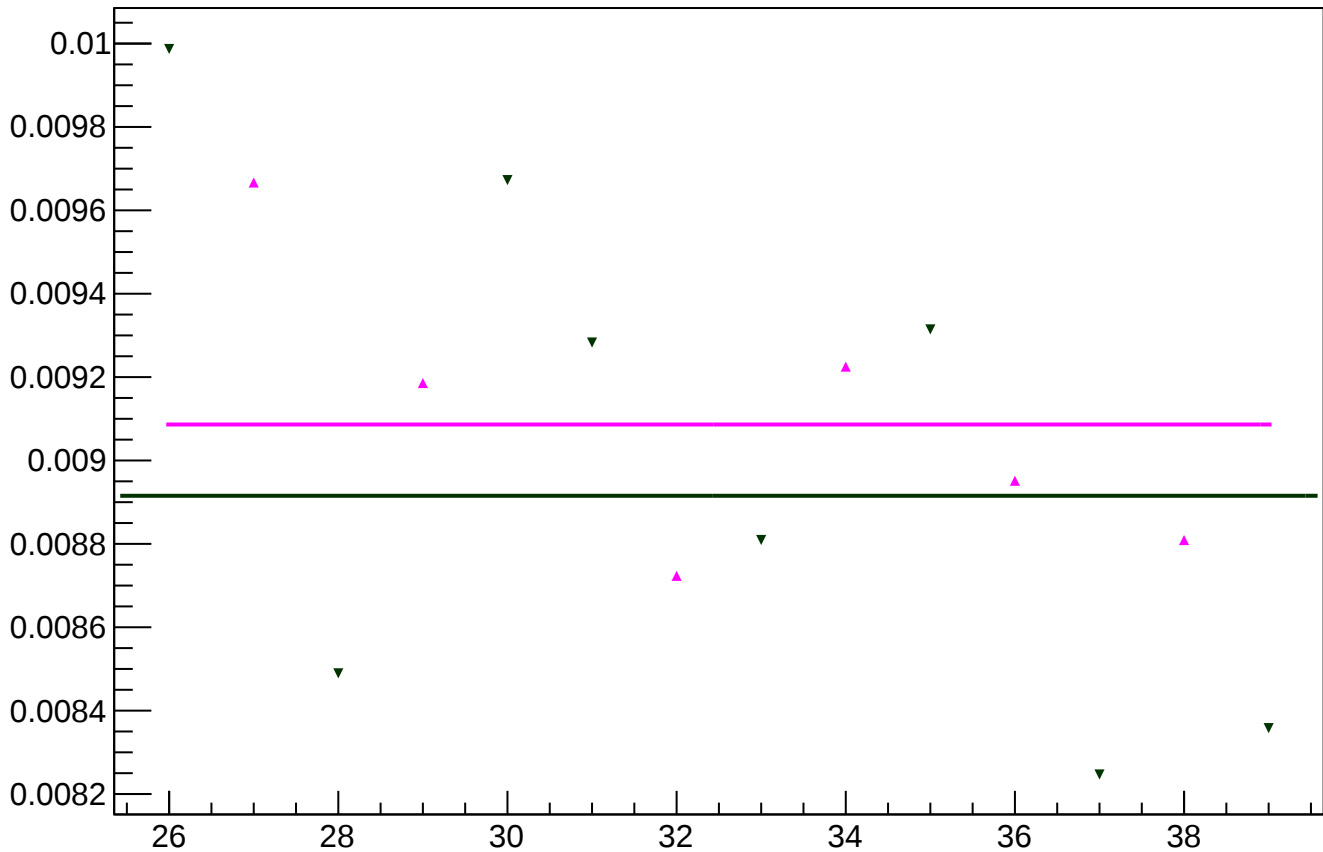
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.168+/-0.000  $\chi^2/\text{NDF}$ : 12116909.8/5

1.168+/-0.000  $\chi^2/\text{NDF}$ : 10980571.8/7

1.168+/-0.000  $\chi^2/\text{NDF}$ : 12116909.8/5

# yield\_bpm4eY\_rms vs slug



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

Left Out: 0.009+/-0.000  $\chi^2/\text{NDF}$ : 34101.7/7

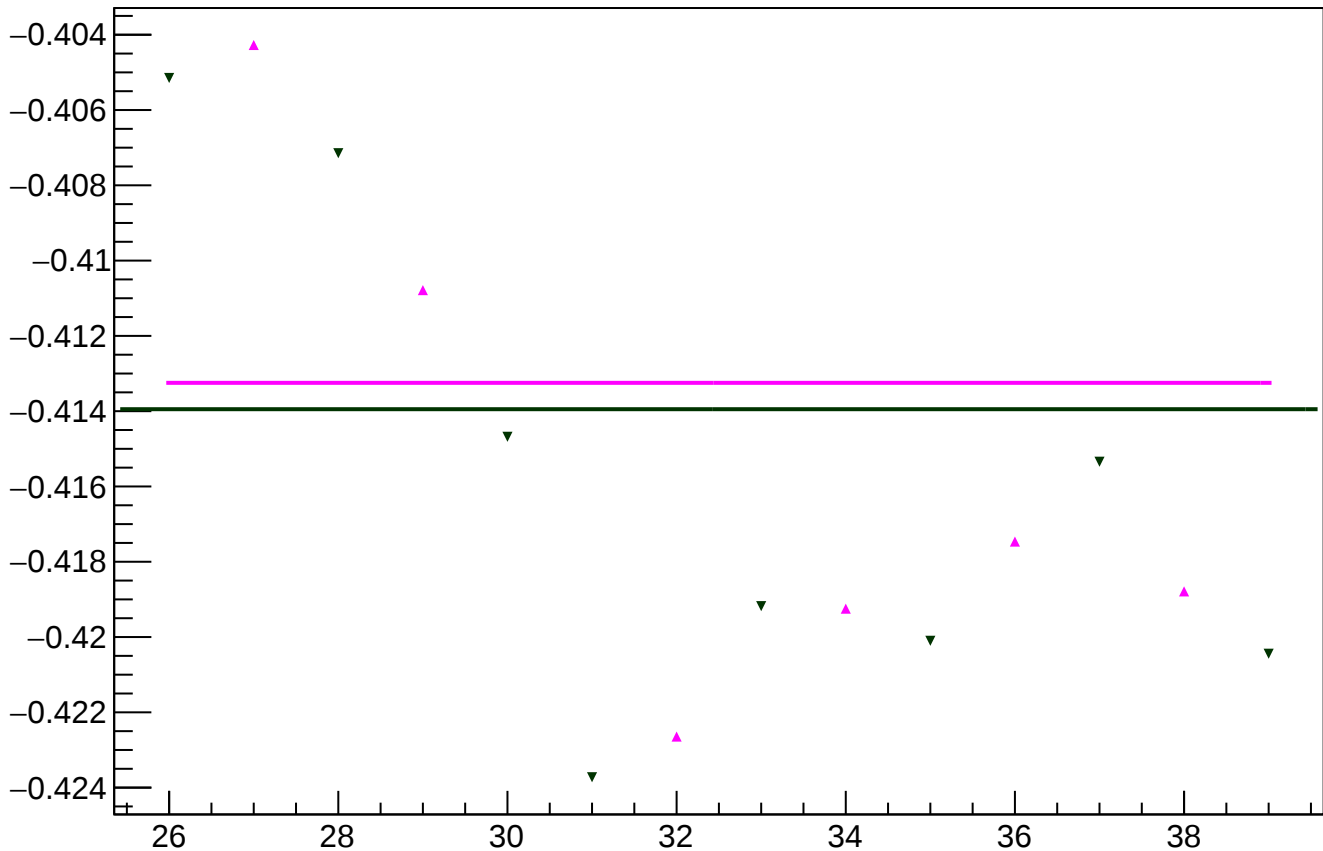
0.009+/-0.000  $\chi^2/\text{NDF}$ : 34101.7/7

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

0.009+/-0.000  $\chi^2/\text{NDF}$ : 10571.4/5

Left In: 0.009+/-0.000  $\chi^2/\text{NDF}$ : 10571.4/5

# yield\_bpm4acX\_mean vs slug



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

Left Out: -0.414+/-0.000  $\chi^2/\text{NDF}$ : 2177989.1/7

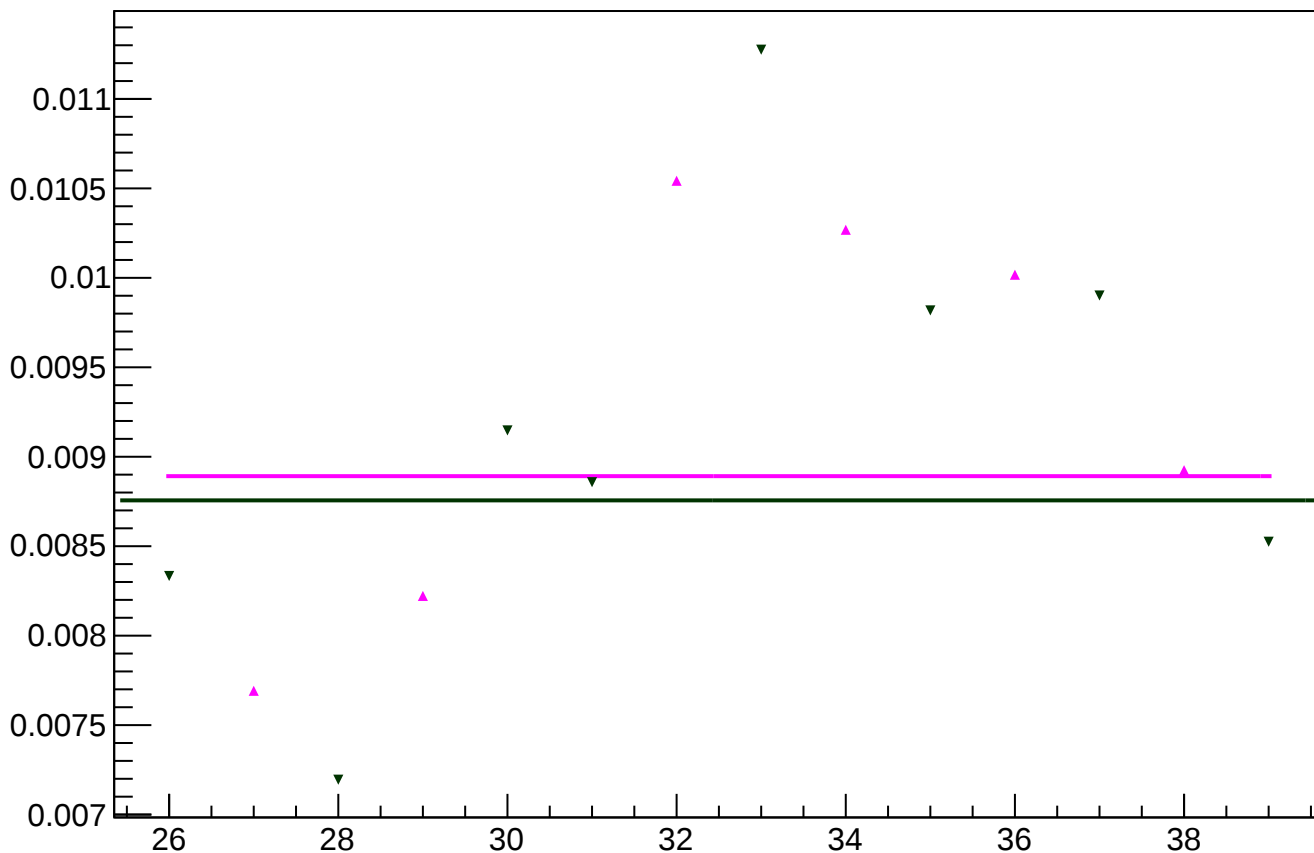
-0.414+/-0.000  $\chi^2/\text{NDF}$ : 2177989.1/7

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

-0.413+/-0.000  $\chi^2/\text{NDF}$ : 2371095.3/5

Left In: -0.413+/-0.000  $\chi^2/\text{NDF}$ : 2371095.3/5

# yield\_bpm4acX\_rms vs slug



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

Left Out: 0.009+/-0.000  $\chi^2/\text{NDF}$ :145632.5/7

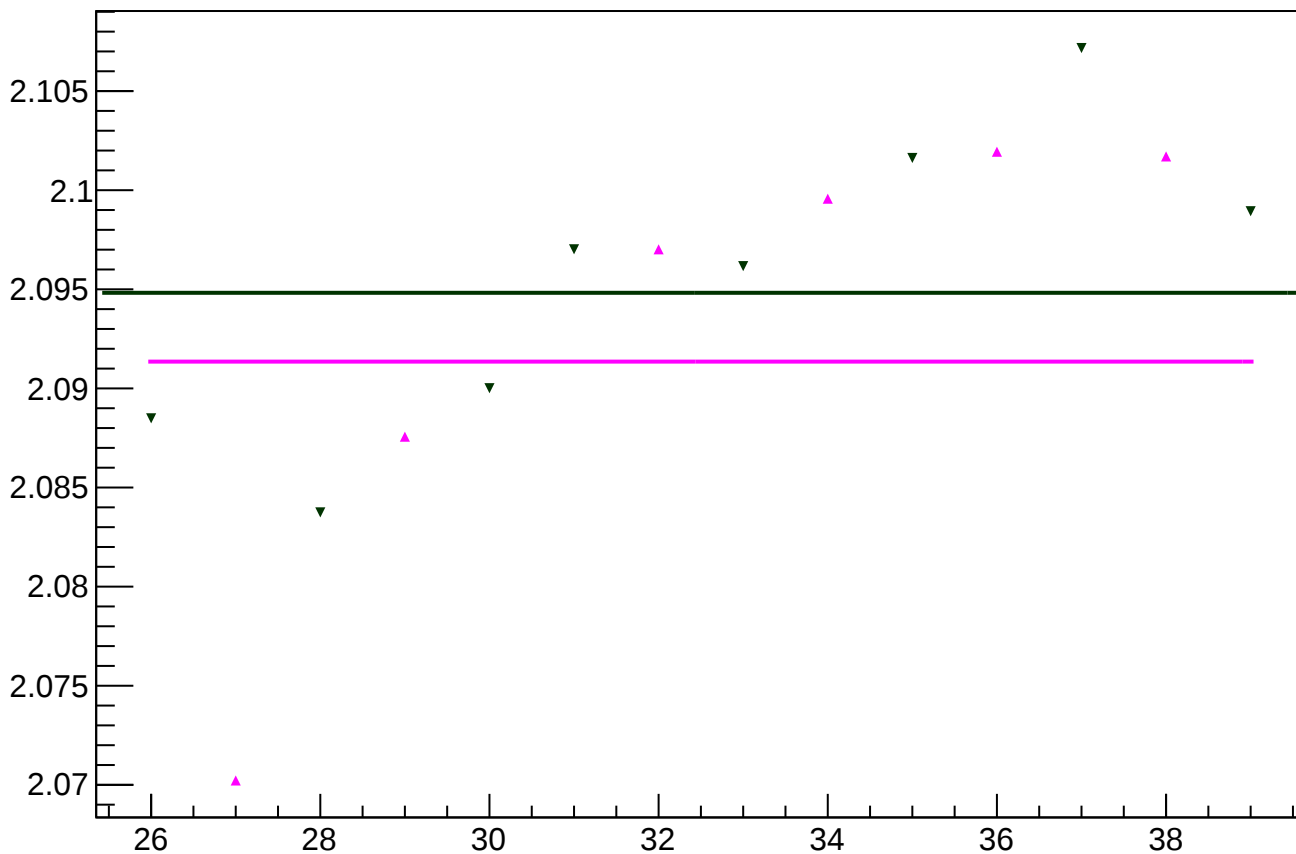
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.009+/-0.000  $\chi^2/\text{NDF}$ :125057.2/5

0.009+/-0.000  $\chi^2/\text{NDF}$ : 145632.5/7

0.009+/-0.000  $\chi^2/\text{NDF}$ : 125057.2/5

yield\_bpm4acY\_mean vs slug



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

Left Out: 2.095+/-0.000  $\chi^2/\text{NDF}$ :1220912.0/7

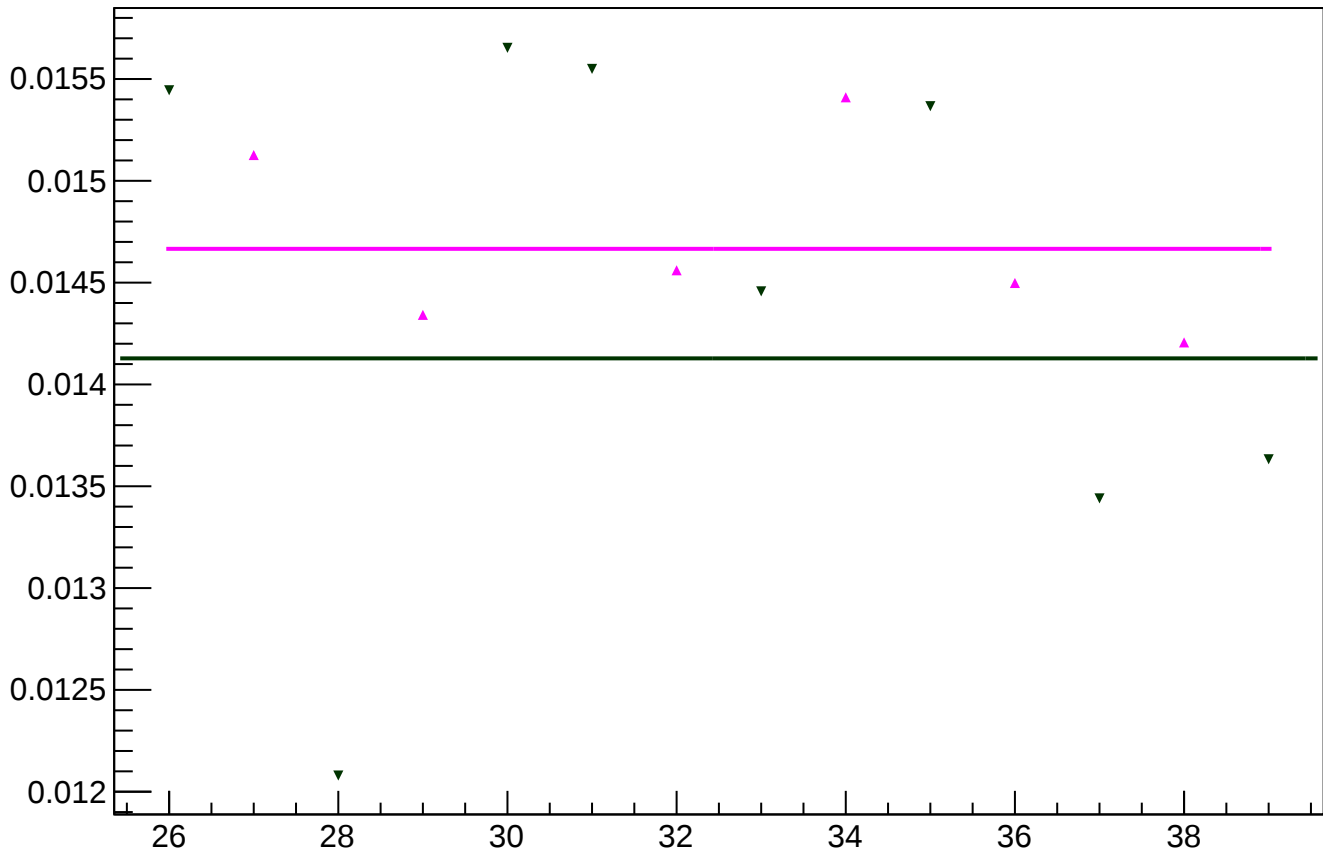
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2.091+/-0.000  $\chi^2/\text{NDF}$ :2482653.4/5

2.095+/-0.000  $\chi^2/\text{NDF}$ : 1220912.0/7

2.091+/-0.000  $\chi^2/\text{NDF}$ : 2482653.4/5

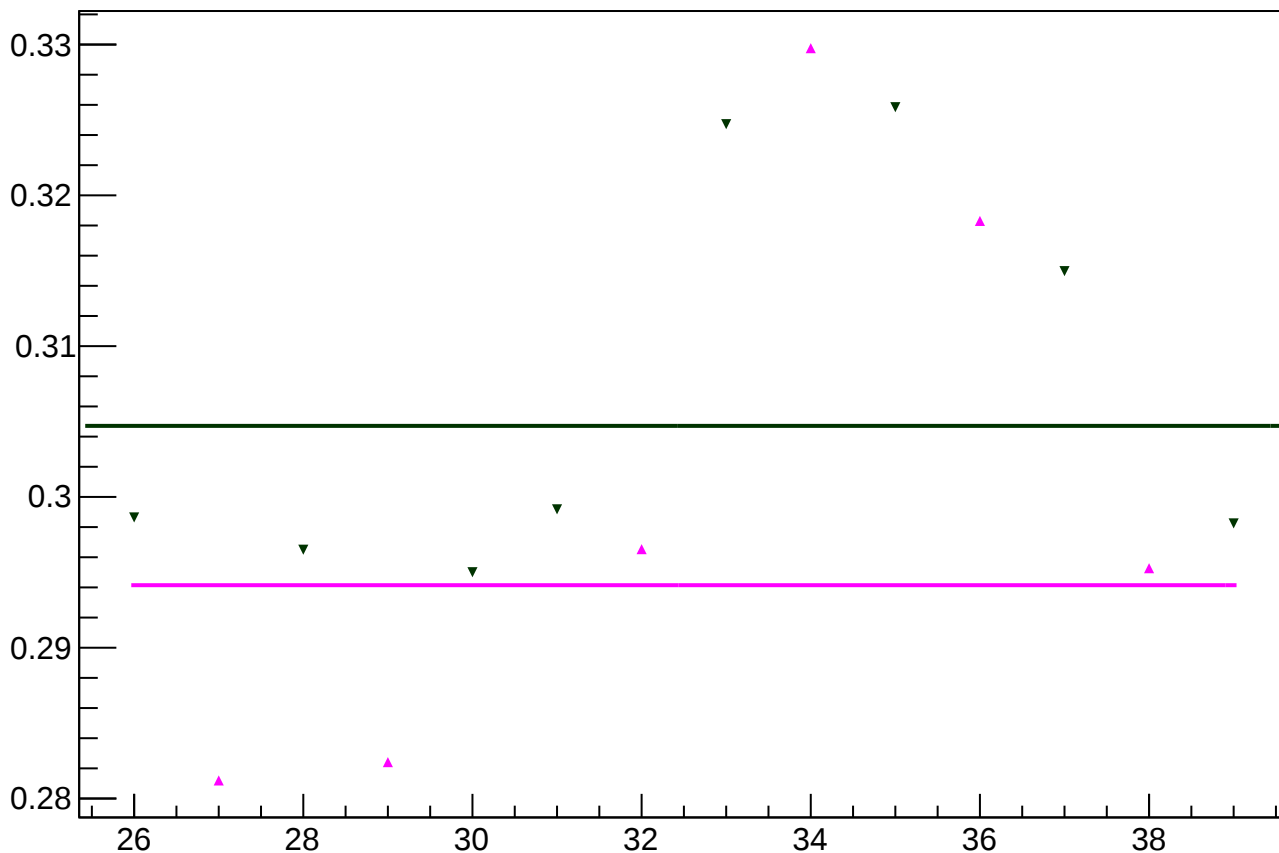
# yield\_bpm4acY\_rms vs slug



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.014+/-0.000     $\chi^2/\text{NDF}$ : 67375.9/7  
 Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.015+/-0.000     $\chi^2/\text{NDF}$ : 5934.8/5

0.014+/-0.000     $\chi^2/\text{NDF}$ : 67375.9/7  
 0.015+/-0.000     $\chi^2/\text{NDF}$ : 5934.8/5

# yield\_bpm4ecX\_mean vs slug



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

Left Out: 0.305+/-0.000  $\chi^2/\text{NDF}$ :1300835.1/7

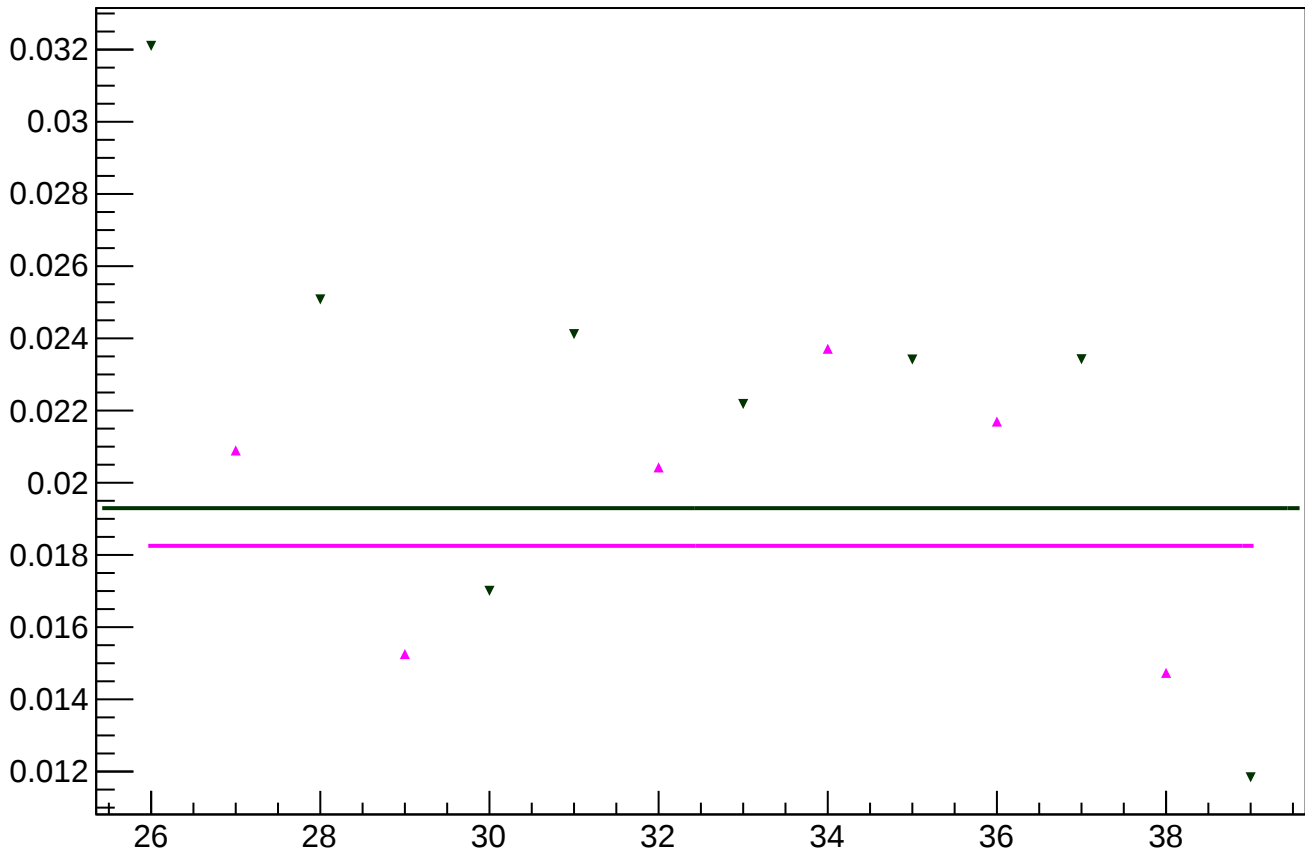
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.294+/-0.000  $\chi^2/\text{NDF}$ :2464410.1/5

0.305+/-0.000  $\chi^2/\text{NDF}$ : 1300835.1/7

0.294+/-0.000  $\chi^2/\text{NDF}$ : 2464410.1/5

# yield\_bpm4ecX\_rms vs slug



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

Left Out: 0.019+/-0.000  $\chi^2$ /NDF:669155.0/7

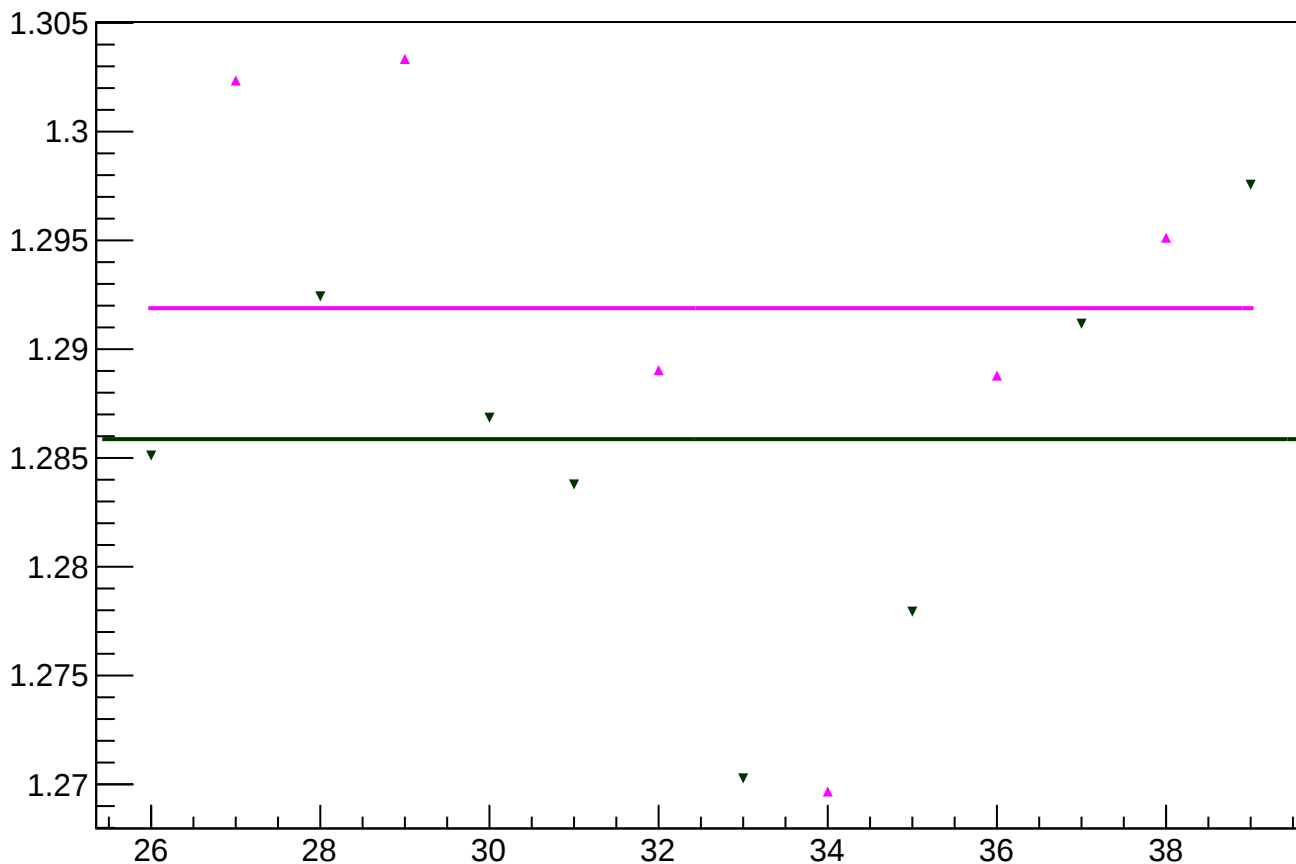
0.019+/-0.000  $\chi^2$ /NDF: 669155.0/7

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

0.018+/-0.000  $\chi^2$ /NDF: 230399.8/5

Left In: 0.018+/-0.000  $\chi^2$ /NDF:230399.8/5

# yield\_bpm4ecY\_mean vs slug



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

Left Out: 1.286+/-0.000  $\chi^2/\text{NDF}$ :2603906.4/7

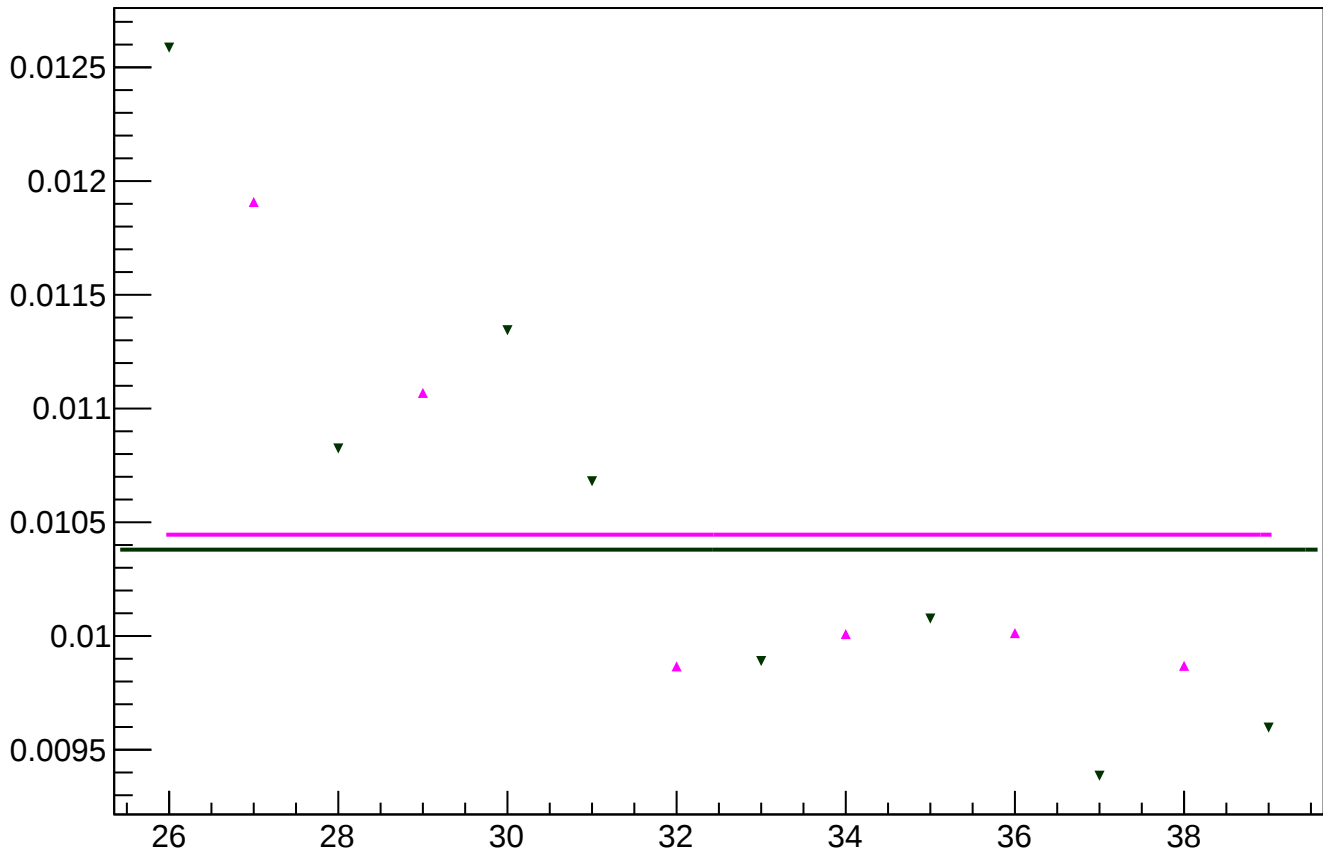
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.292+/-0.000  $\chi^2/\text{NDF}$ :4088439.4/5

1.286+/-0.000  $\chi^2/\text{NDF}$ : 2603906.4/7

1.292+/-0.000  $\chi^2/\text{NDF}$ : 4088439.4/5

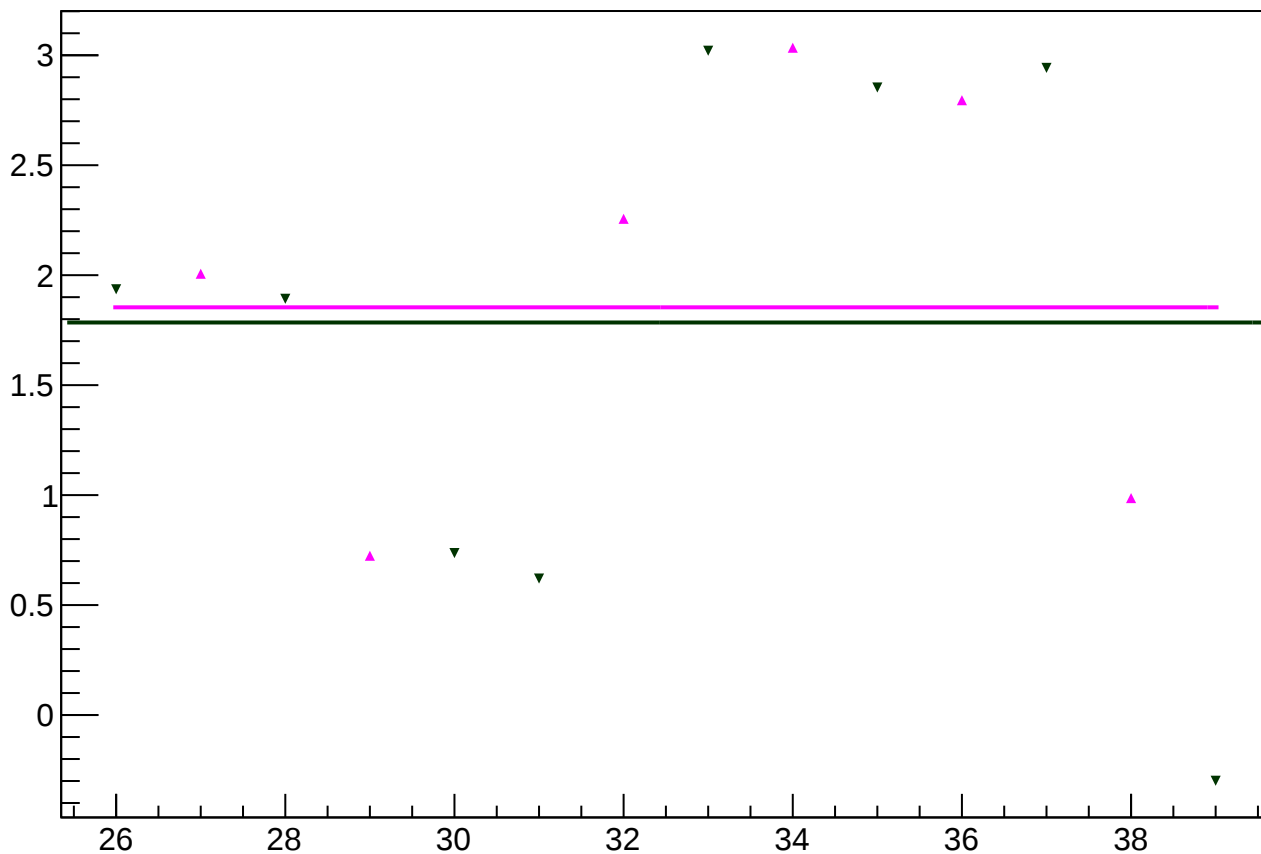
# yield\_bpm4ecY\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 59678.9/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.010+/-0.000  $\chi^2/\text{NDF}$ : 43007.5/5

0.010+/-0.000  $\chi^2/\text{NDF}$ : 59678.9/7  
 0.010+/-0.000  $\chi^2/\text{NDF}$ : 43007.5/5

yield\_bpm1X\_mean vs slug



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

Left Out: 1.785+/-0.000  $\chi^2/\text{NDF}$ : 252797930.8/7

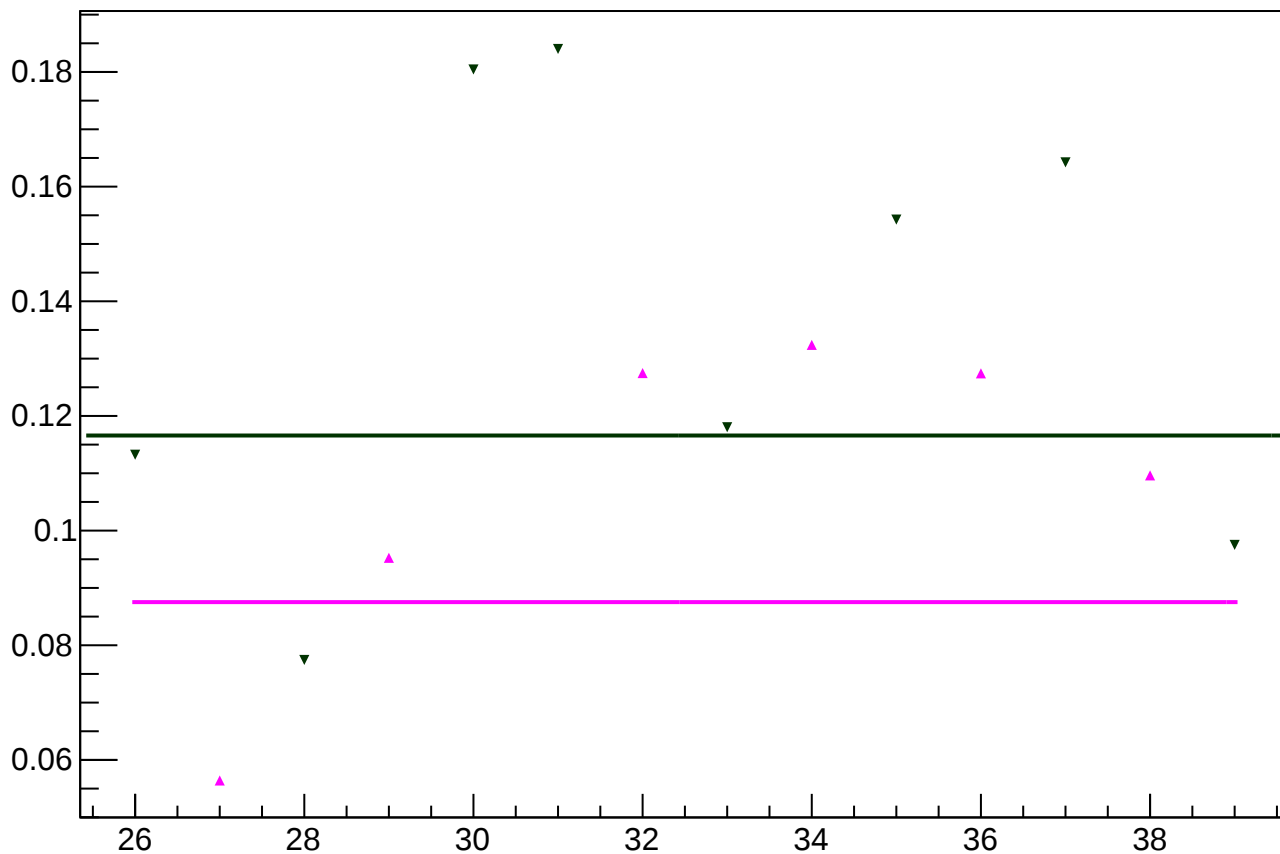
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.854+/-0.000  $\chi^2/\text{NDF}$ : 169155143.4/5

1.785+/-0.000  $\chi^2/\text{NDF}$ : 252797930.8/7

1.854+/-0.000  $\chi^2/\text{NDF}$ : 169155143.4/5

# yield\_bpm1X\_rms vs slug



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

Left Out: 0.117+/-0.000  $\chi^2/\text{NDF}$ : 575195.2/7

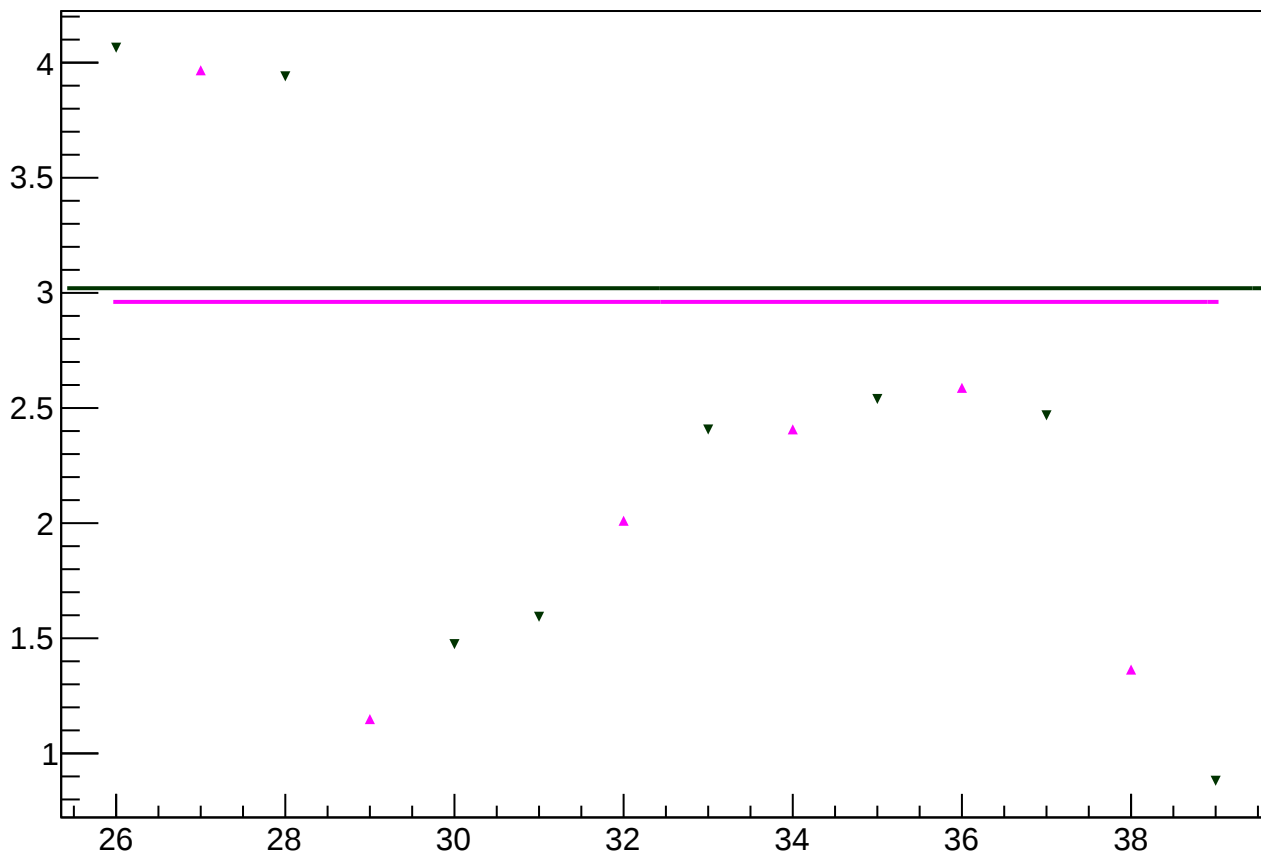
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.088+/-0.000  $\chi^2/\text{NDF}$ : 680925.2/5

0.117+/-0.000  $\chi^2/\text{NDF}$ : 575195.2/7

0.088+/-0.000  $\chi^2/\text{NDF}$ : 680925.2/5

# yield\_bpm1Y\_mean vs slug



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

Left Out: 3.020+/-0.000     $\chi^2/\text{NDF}$ : 608400158.7/7

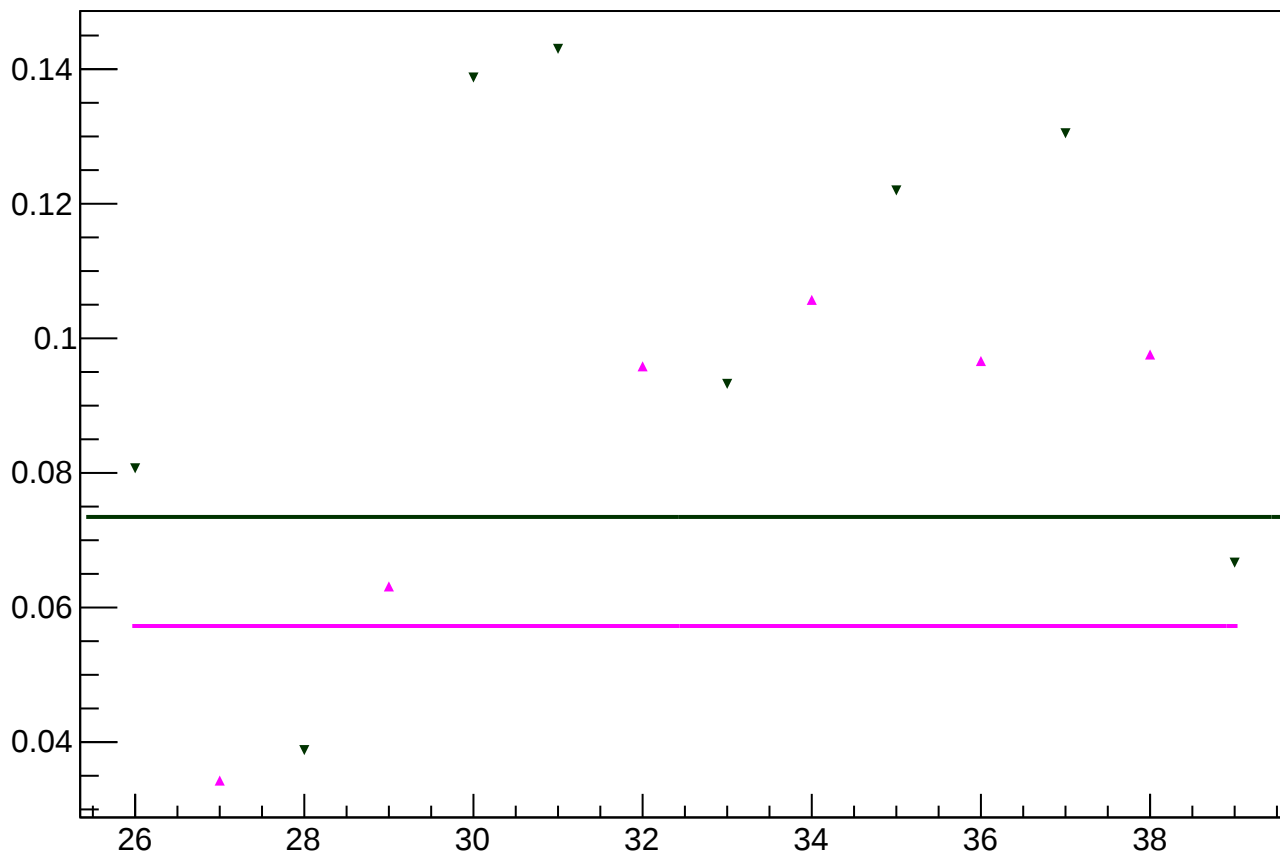
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2.961+/-0.000     $\chi^2/\text{NDF}$ : 995382911.8/5

3.020+/-0.000     $\chi^2/\text{NDF}$ : 608400158.7/7

2.961+/-0.000     $\chi^2/\text{NDF}$ : 995382911.8/5

yield\_bpm1Y\_rms vs slug



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

Left Out: 0.073+/-0.000  $\chi^2/\text{NDF}$ :1223938.4/7

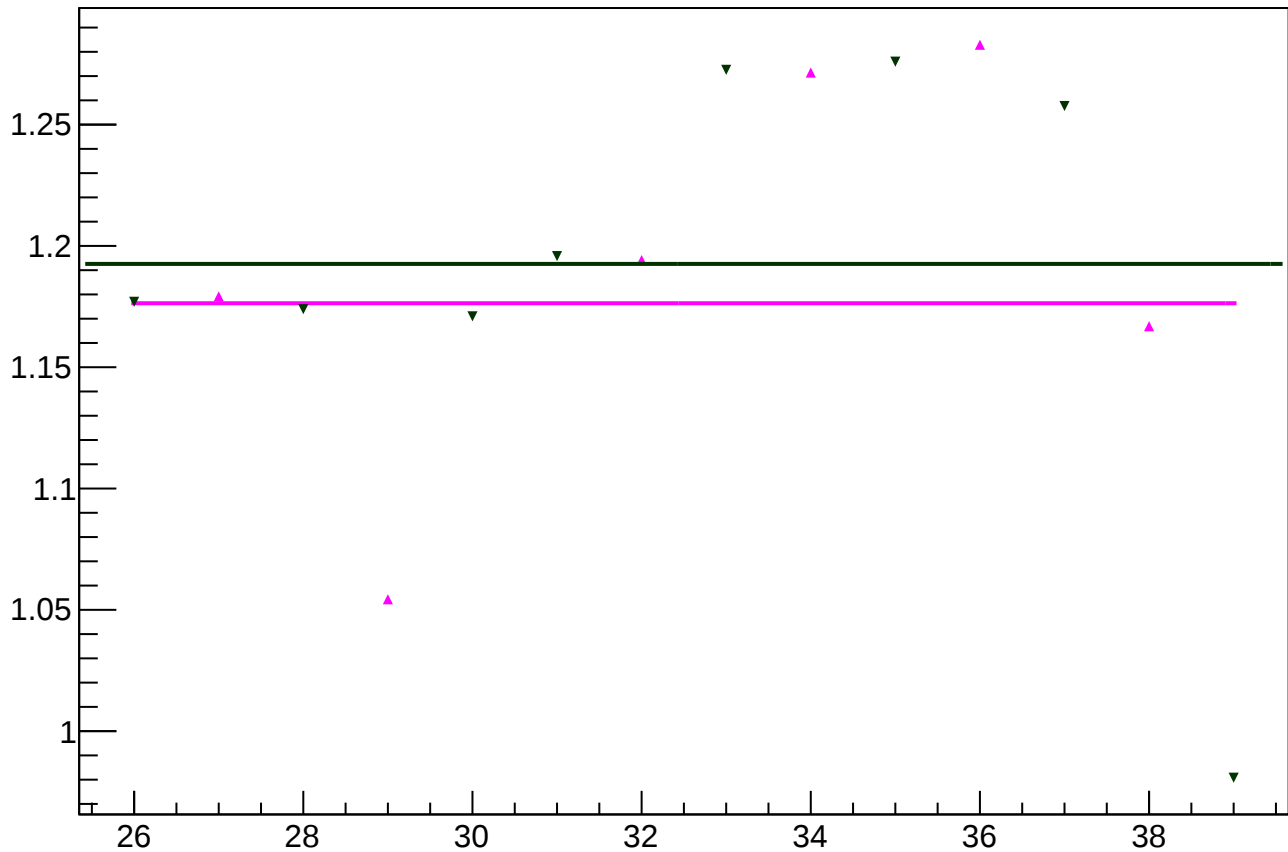
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.057+/-0.000  $\chi^2/\text{NDF}$ :1123683.5/5

0.073+/-0.000  $\chi^2/\text{NDF}$ : 1223938.4/7

0.057+/-0.000  $\chi^2/\text{NDF}$ : 1123683.5/5

# yield\_bpm11X\_mean vs slug



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

Left Out: 1.193+/-0.000  $\chi^2/\text{NDF}$ : 49040653.5/7

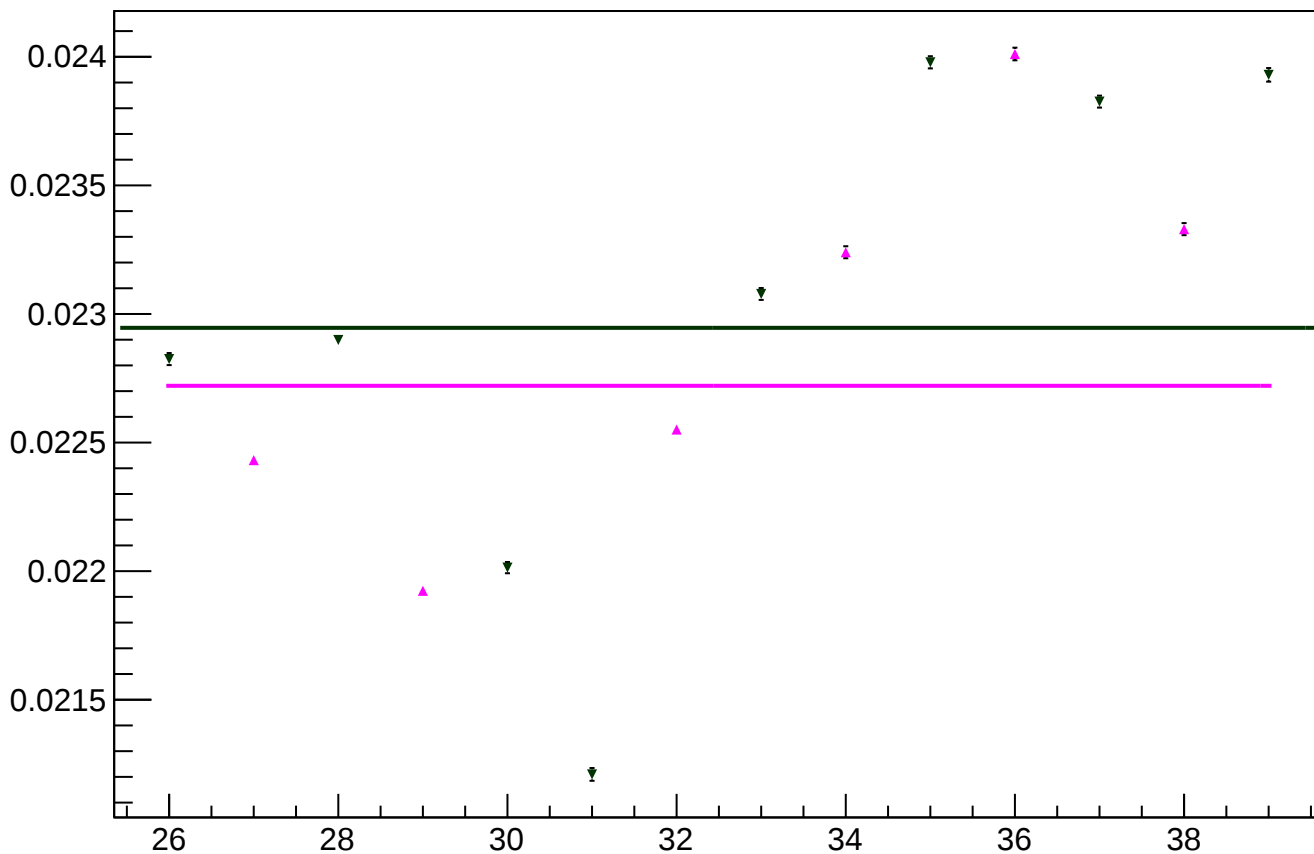
1.193+/-0.000  $\chi^2/\text{NDF}$ : 49040653.5/7

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

1.176+/-0.000  $\chi^2/\text{NDF}$ : 42863830.1/5

Left In: 1.176+/-0.000  $\chi^2/\text{NDF}$ : 42863830.1/5

# yield\_bpm11X\_rms vs slug



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

Left Out: 0.023+/-0.000  $\chi^2/\text{NDF}$ : 11449.0/7

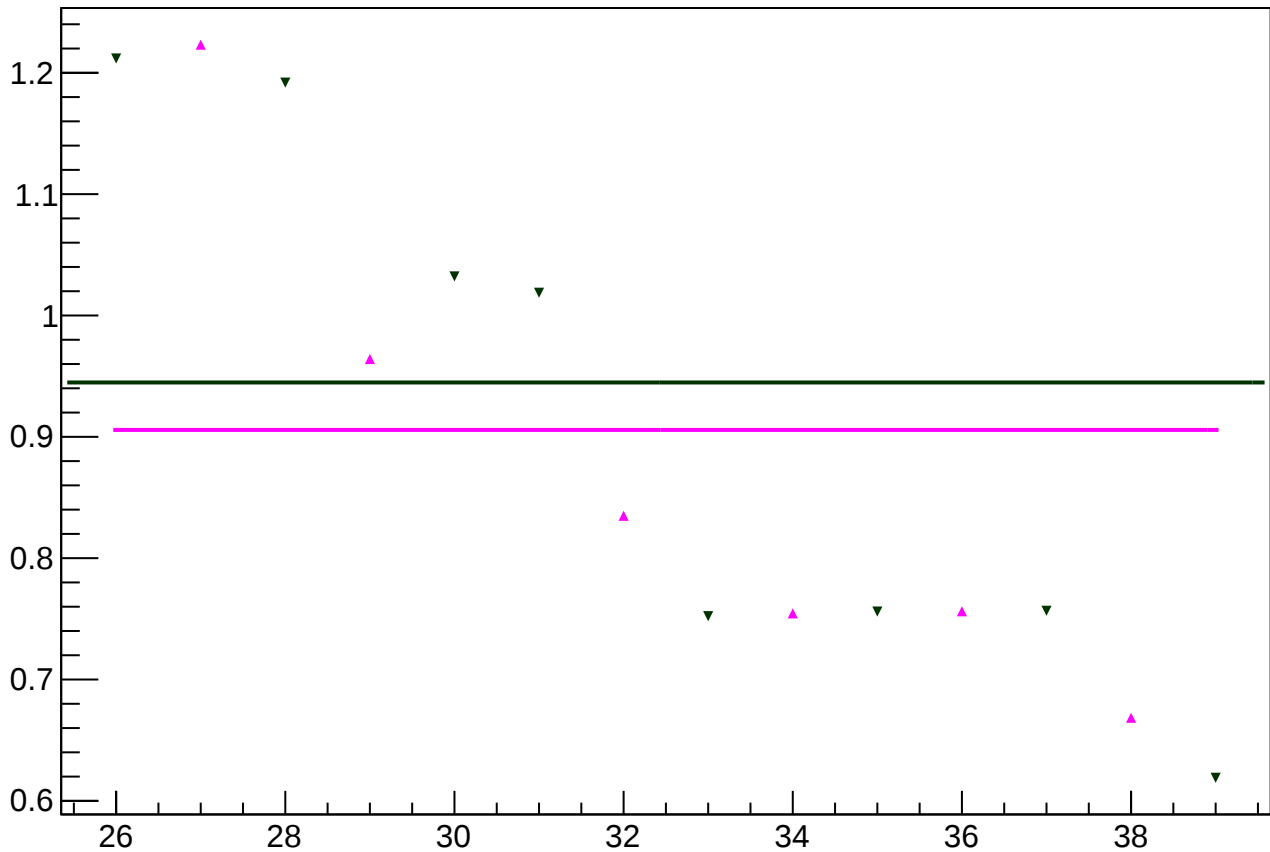
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.023+/-0.000  $\chi^2/\text{NDF}$ : 6390.9/5

0.023+/-0.000  $\chi^2/\text{NDF}$ : 11449.0/7

0.023+/-0.000  $\chi^2/\text{NDF}$ : 6390.9/5

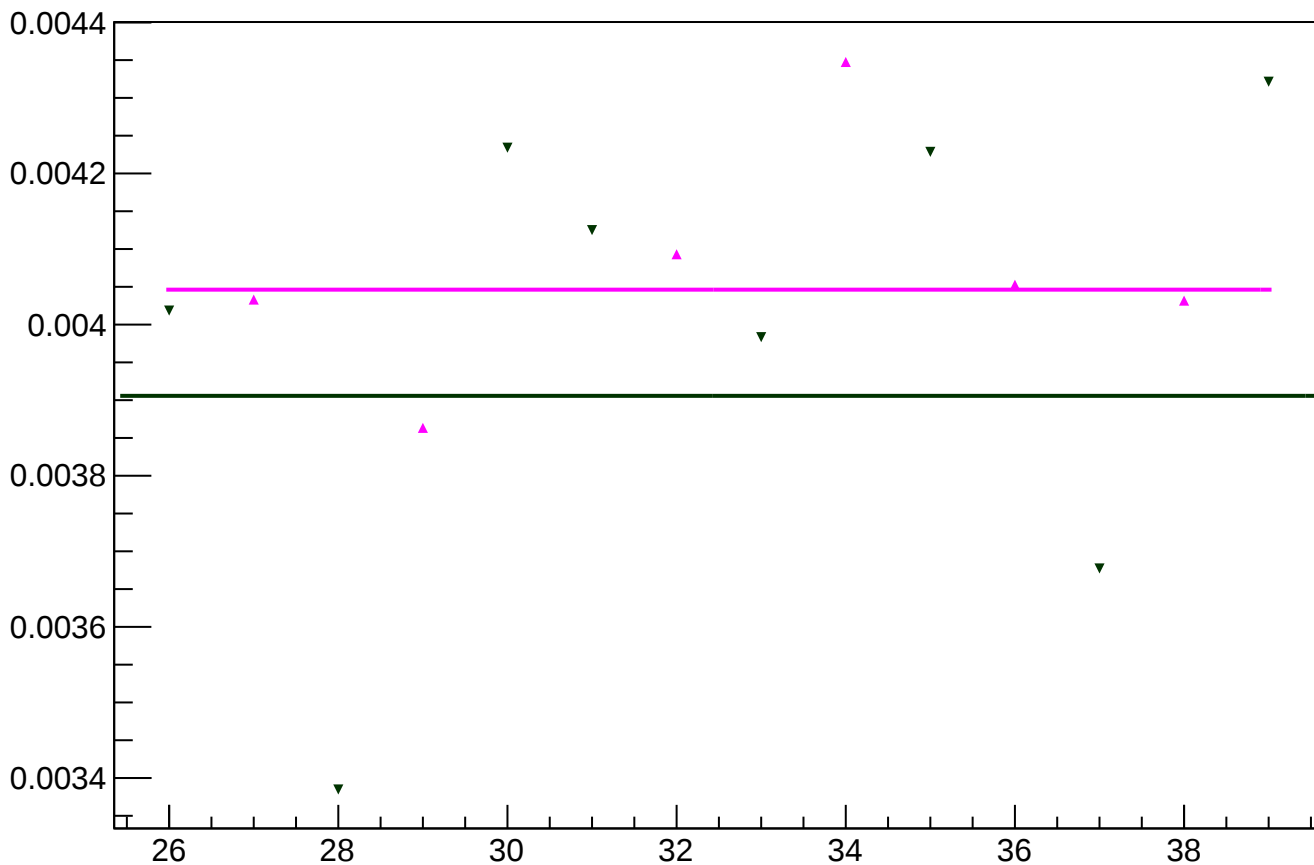
# yield\_bpm11Y\_mean vs slug



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.945+/-0.000     $\chi^2/\text{NDF}$ : 11231136988.8/7  
 Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.906+/-0.000     $\chi^2/\text{NDF}$ : 8624952009.7/5

0.945+/-0.000     $\chi^2/\text{NDF}$ : 11231136988.8/7  
 0.906+/-0.000     $\chi^2/\text{NDF}$ : 8624952009.7/5

# yield\_bpm11Y\_rms vs slug



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

Left Out: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 54530.8/7

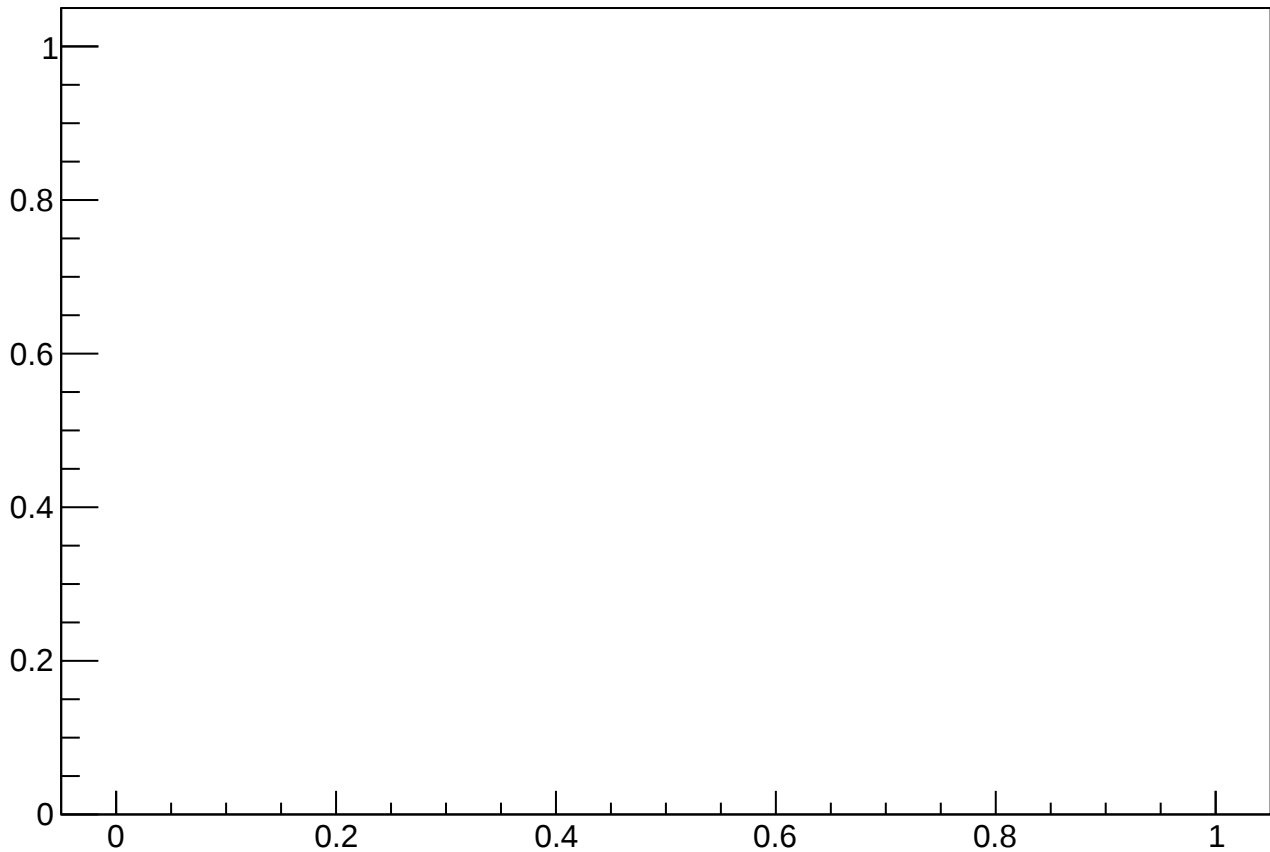
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.004+/-0.000  $\chi^2/\text{NDF}$ : 8507.8/5

0.004+/-0.000  $\chi^2/\text{NDF}$ : 54530.8/7

0.004+/-0.000  $\chi^2/\text{NDF}$ : 8507.8/5

# yield\_bpm14X\_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

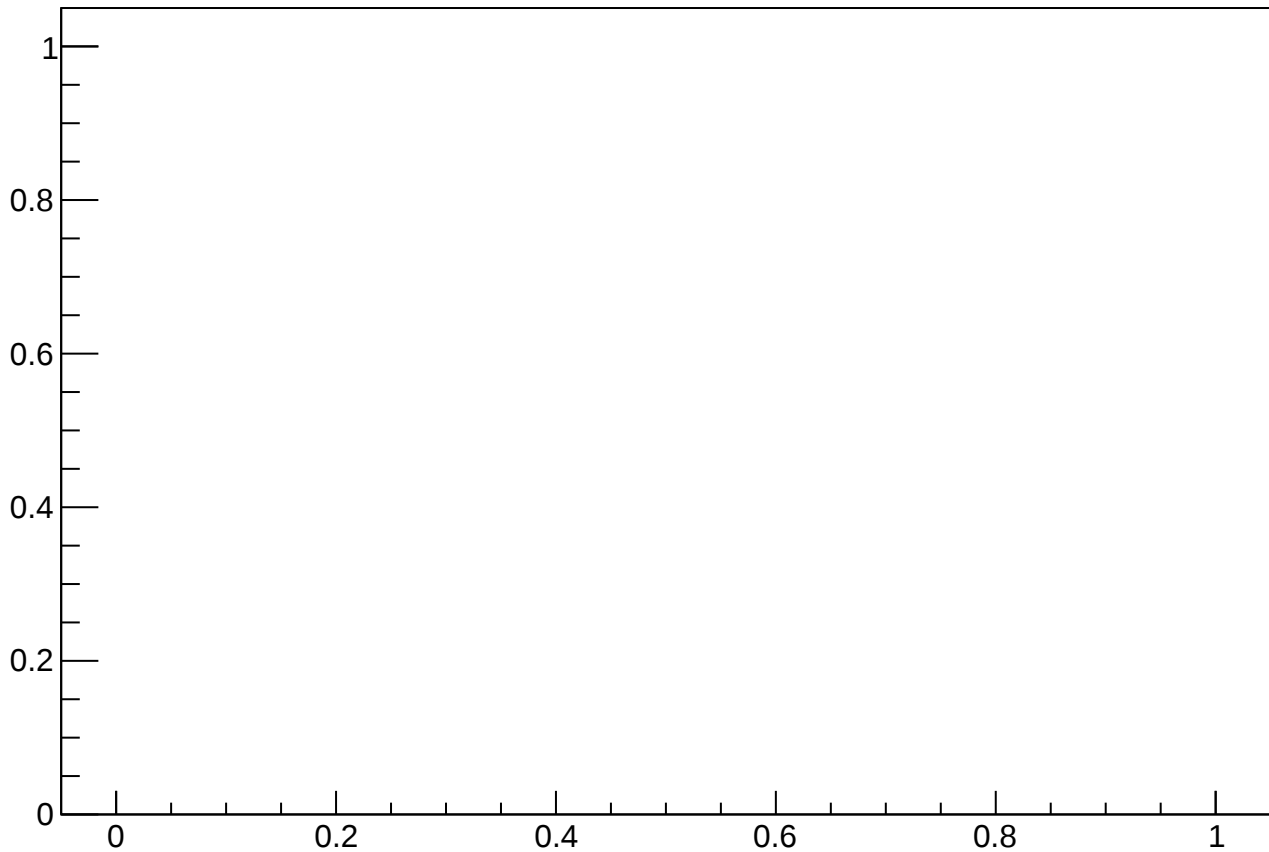
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

# yield\_bpm14X\_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

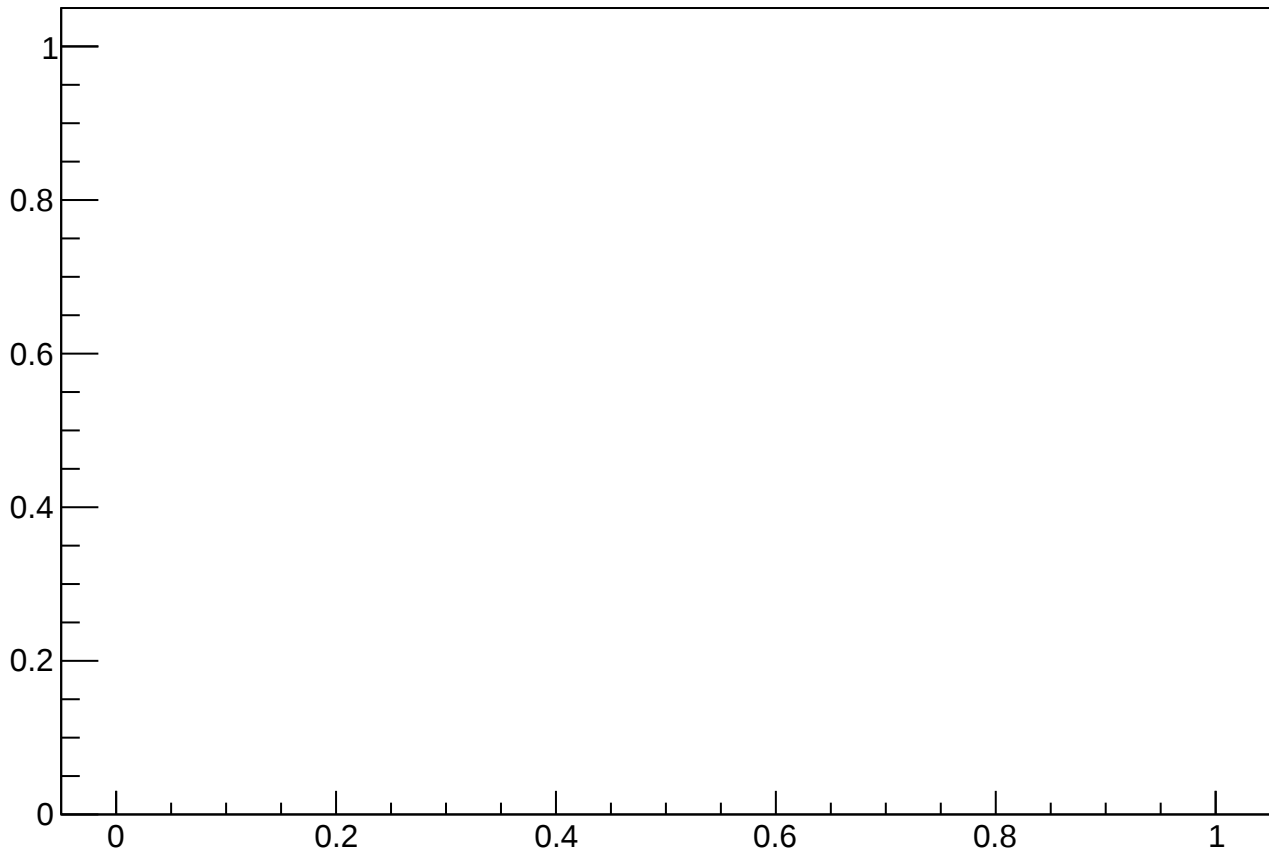
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

# yield\_bpm14Y\_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

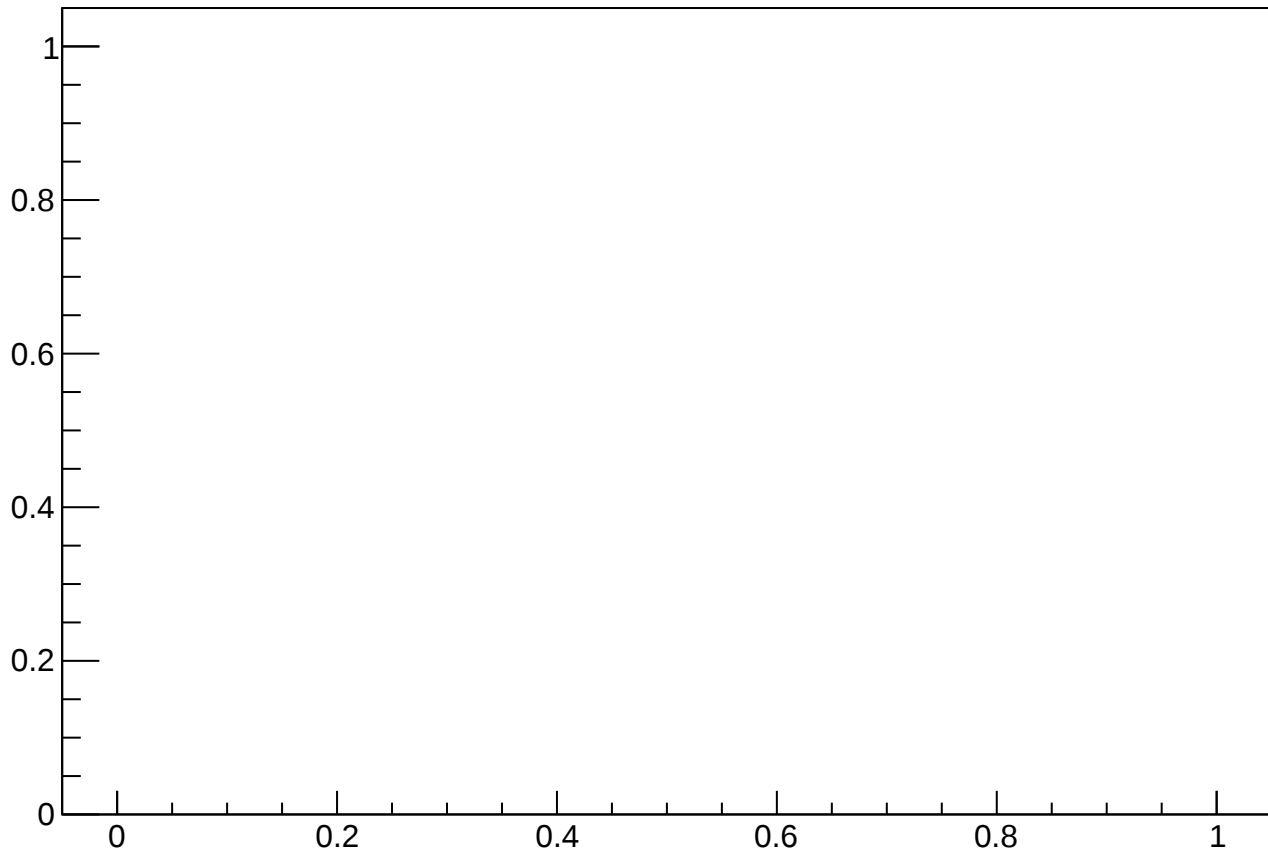
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

# yield\_bpm14Y\_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

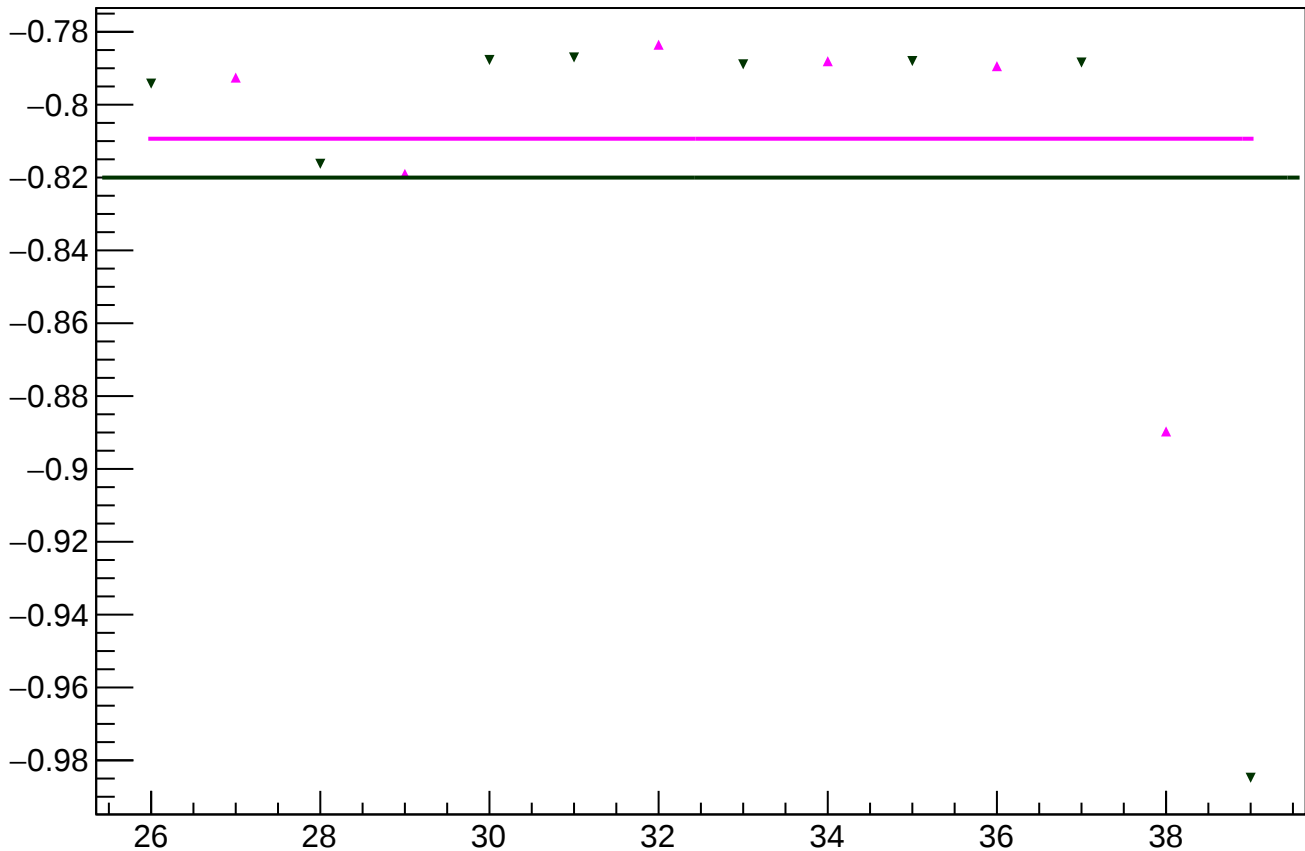
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

# yield\_bpm12X\_mean vs slug



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

Left Out: -0.820+/-0.000  $\chi^2/\text{NDF}$ : 248059804.0/7

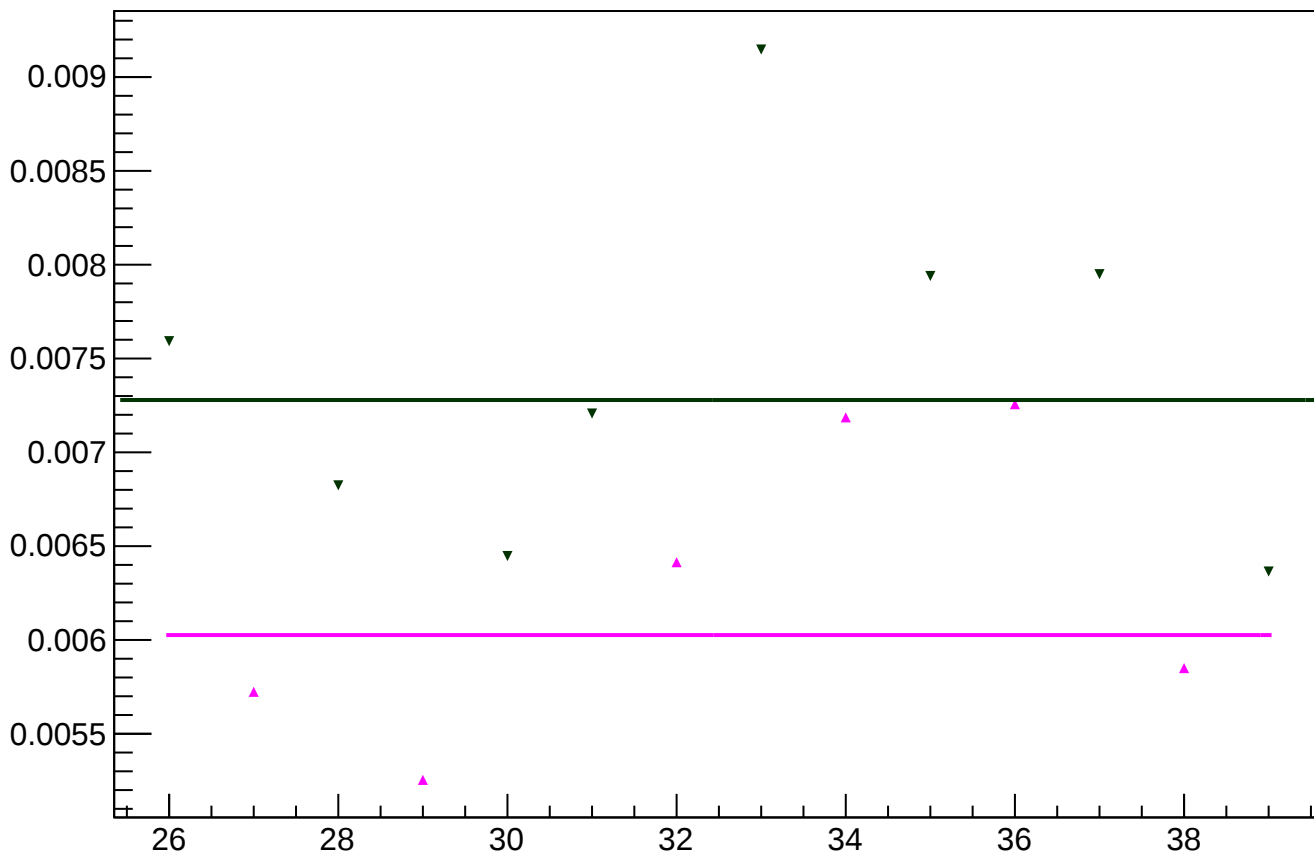
-0.820+/-0.000  $\chi^2/\text{NDF}$ : 248059804.0/7

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

-0.809+/-0.000  $\chi^2/\text{NDF}$ : 91452185.7/5

Left In: -0.809+/-0.000  $\chi^2/\text{NDF}$ : 91452185.7/5

# yield\_bpm12X\_rms vs slug



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

Left Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ : 78542.4/7

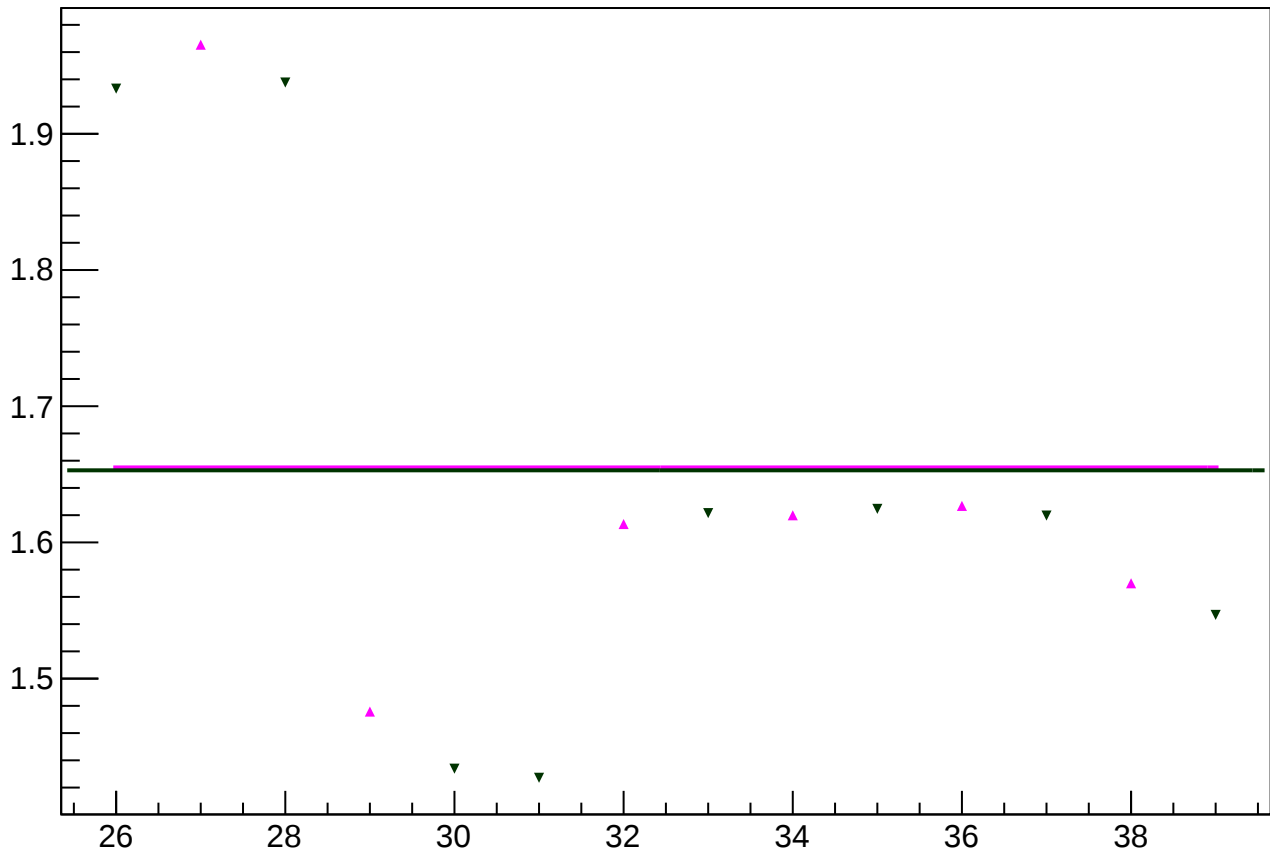
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 73979.7/5

0.007+/-0.000  $\chi^2/\text{NDF}$ : 78542.4/7

0.006+/-0.000  $\chi^2/\text{NDF}$ : 73979.7/5

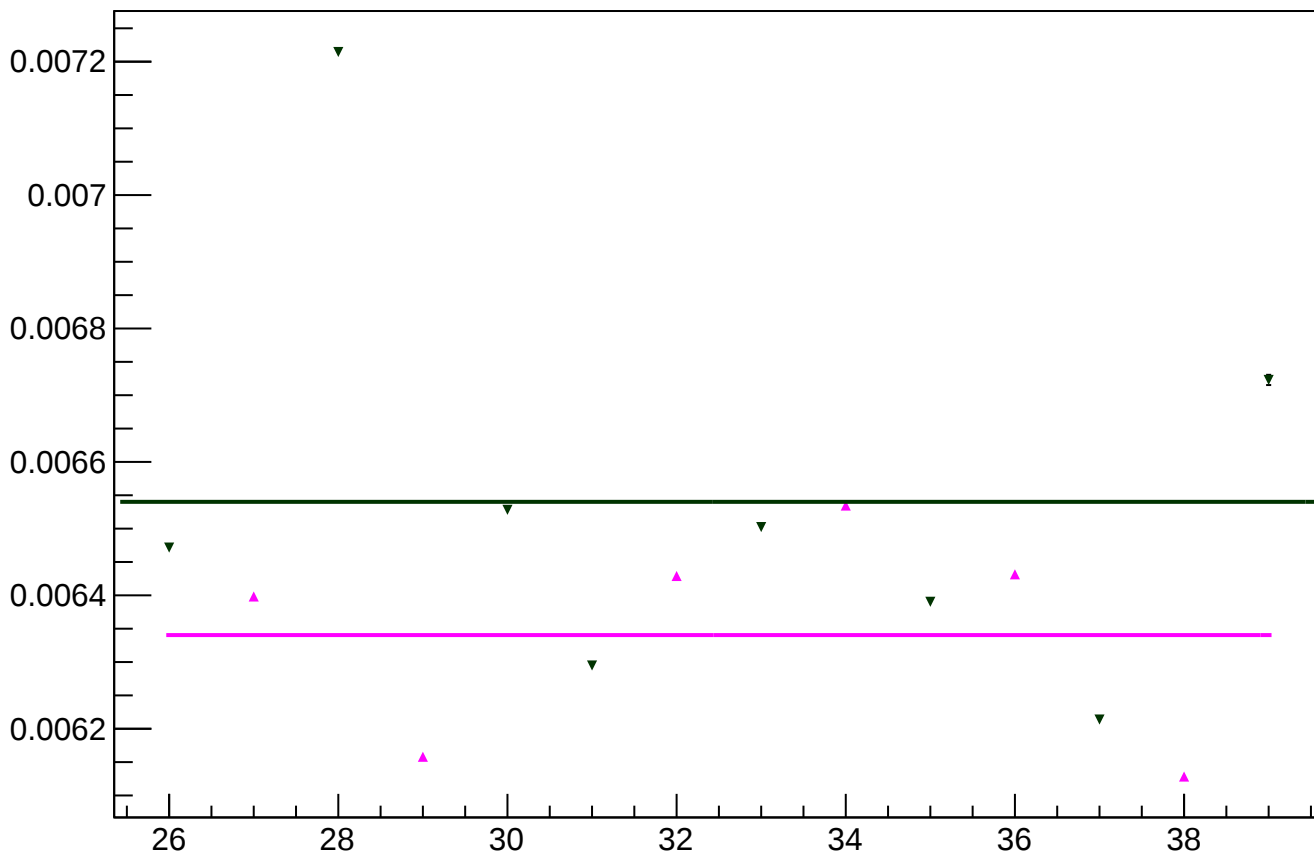
# yield\_bpm12Y\_mean vs slug



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 1.653+/-0.000     $\chi^2/\text{NDF}$ : 2944871181.9/7  
 Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 1.655+/-0.000     $\chi^2/\text{NDF}$ : 2624418587.2/5

1.653+/-0.000     $\chi^2/\text{NDF}$ : 2944871181.9/7  
 1.655+/-0.000     $\chi^2/\text{NDF}$ : 2624418587.2/5

# yield\_bpm12Y\_rms vs slug



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

Left Out: 0.007+/-0.000  $\chi^2/\text{NDF}$ :15862.4/7

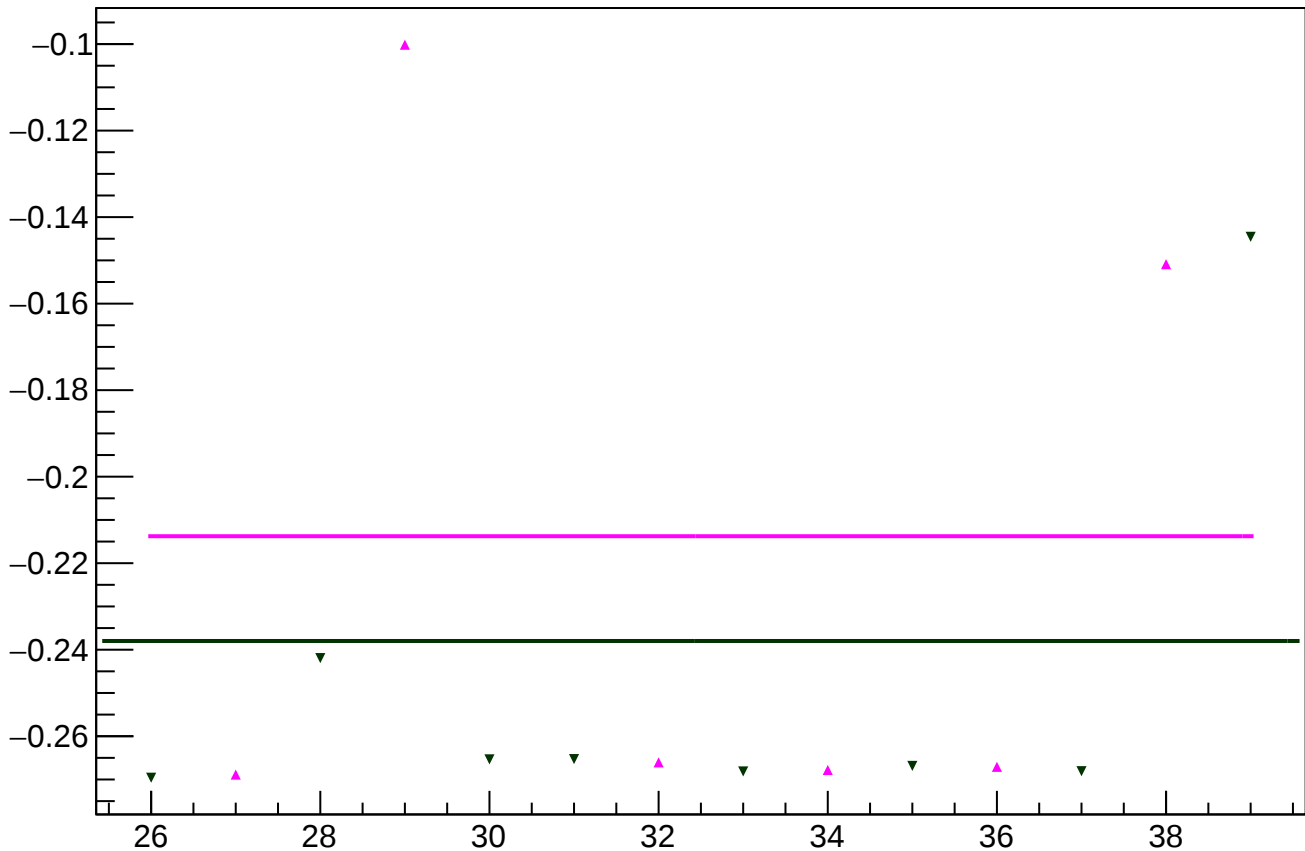
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.006+/-0.000  $\chi^2/\text{NDF}$ :3847.6/5

0.007+/-0.000  $\chi^2/\text{NDF}$ : 15862.4/7

0.006+/-0.000  $\chi^2/\text{NDF}$ : 3847.6/5

# yield\_bpm16X\_mean vs slug



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

Left Out: -0.238+/-0.000  $\chi^2/\text{NDF}$ : 222908544.3/7

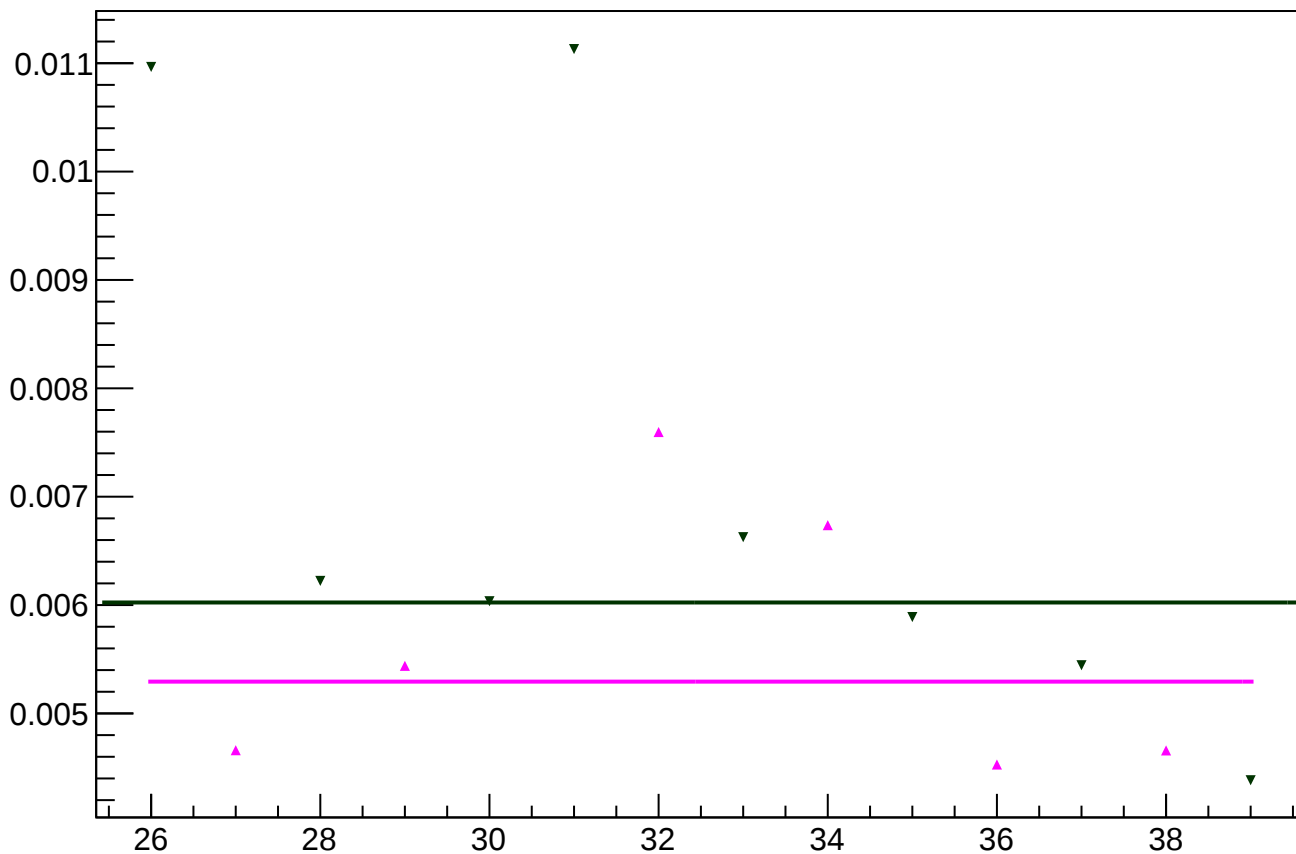
-0.238+/-0.000  $\chi^2/\text{NDF}$ : 222908544.3/7

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

-0.214+/-0.000  $\chi^2/\text{NDF}$ : 634099203.5/5

Left In: -0.214+/-0.000  $\chi^2/\text{NDF}$ : 634099203.5/5

# yield\_bpm16X\_rms vs slug



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

Left Out: 0.006+/-0.000  $\chi^2/\text{NDF}$ : 470147.6/7

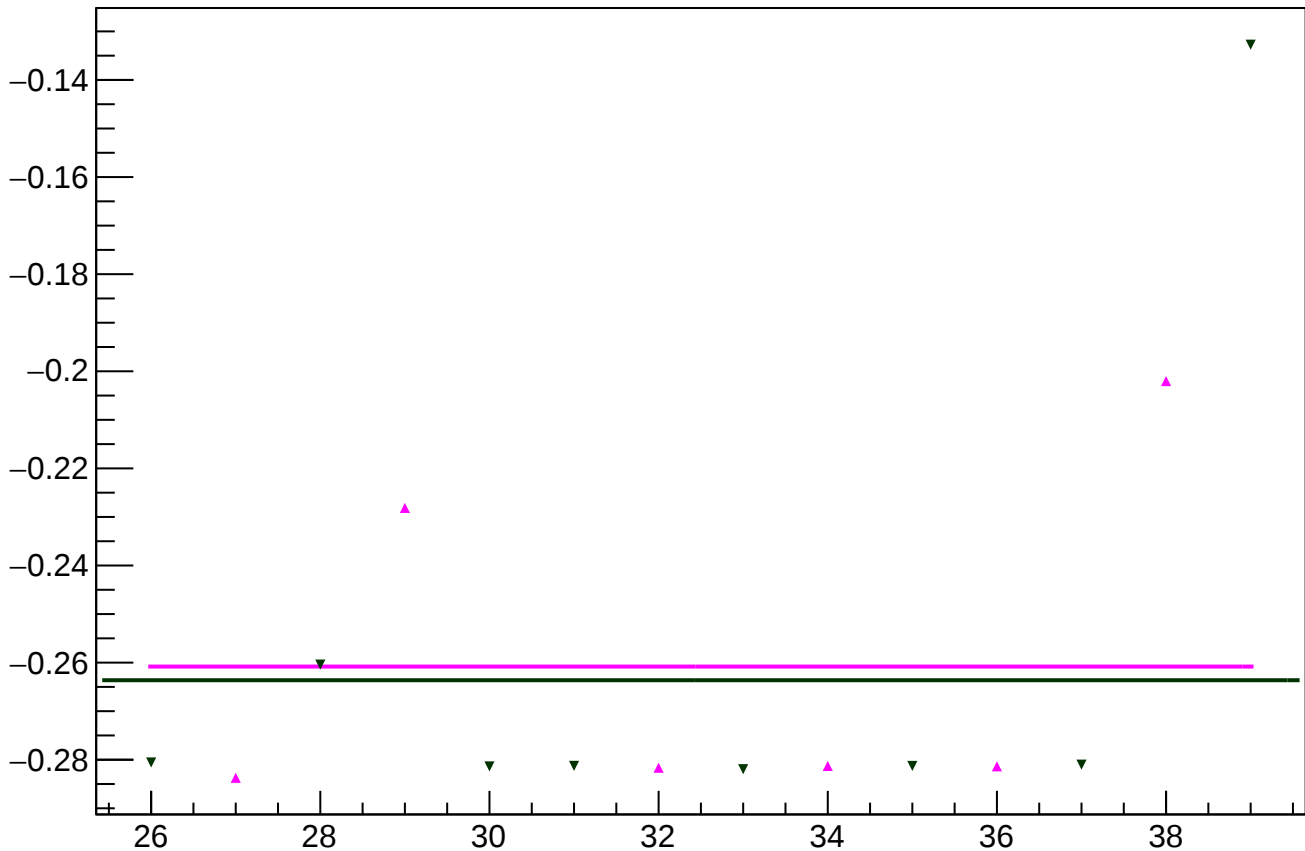
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.005+/-0.000  $\chi^2/\text{NDF}$ : 256885.4/5

0.006+/-0.000  $\chi^2/\text{NDF}$ : 470147.6/7

0.005+/-0.000  $\chi^2/\text{NDF}$ : 256885.4/5

# yield\_bpm16Y\_mean vs slug



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

Left Out: -0.264+/-0.000  $\chi^2/\text{NDF}$ : 906021259.9/7

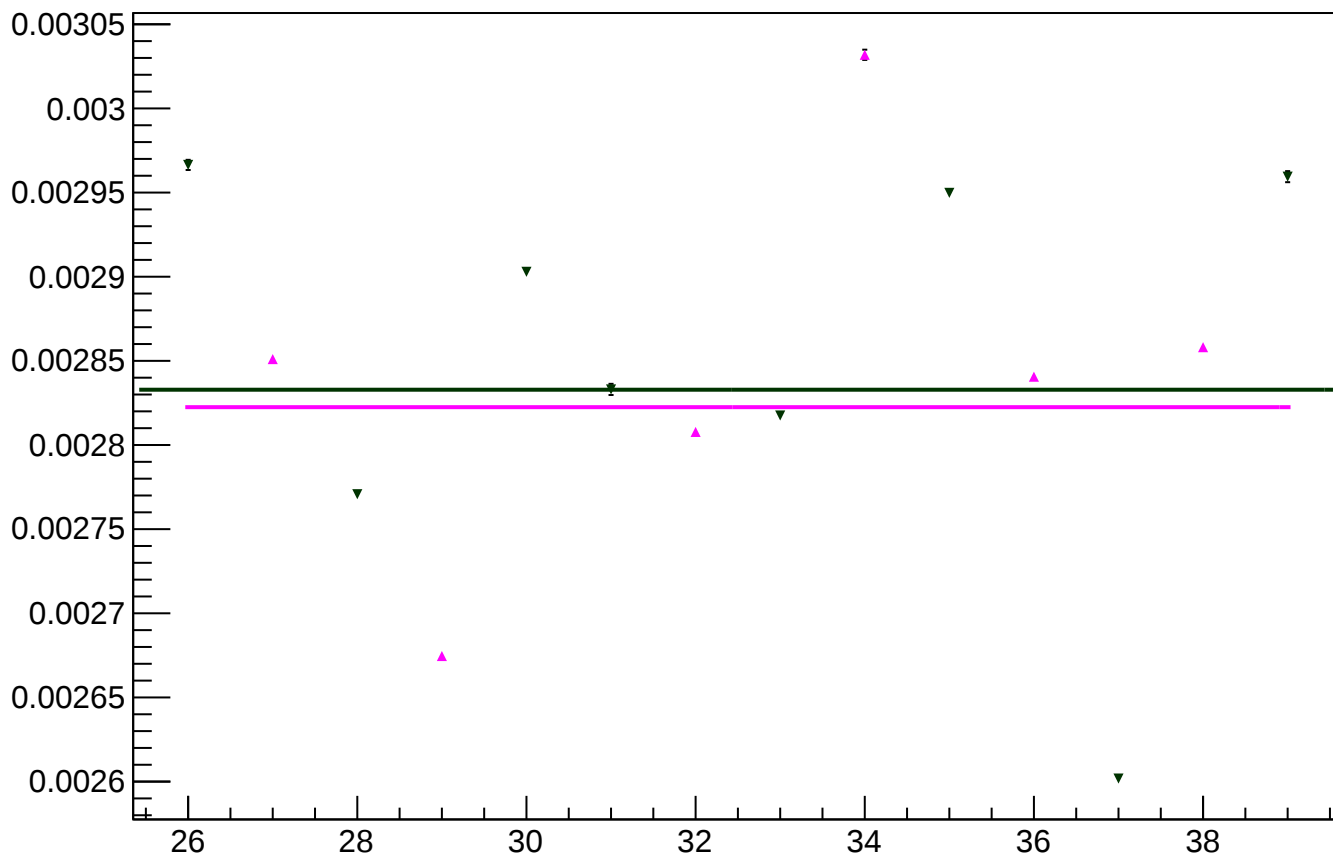
-0.264+/-0.000  $\chi^2/\text{NDF}$ : 906021259.9/7

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

-0.261+/-0.000  $\chi^2/\text{NDF}$ : 471738168.3/5

Left In: -0.261+/-0.000  $\chi^2/\text{NDF}$ : 471738168.3/5

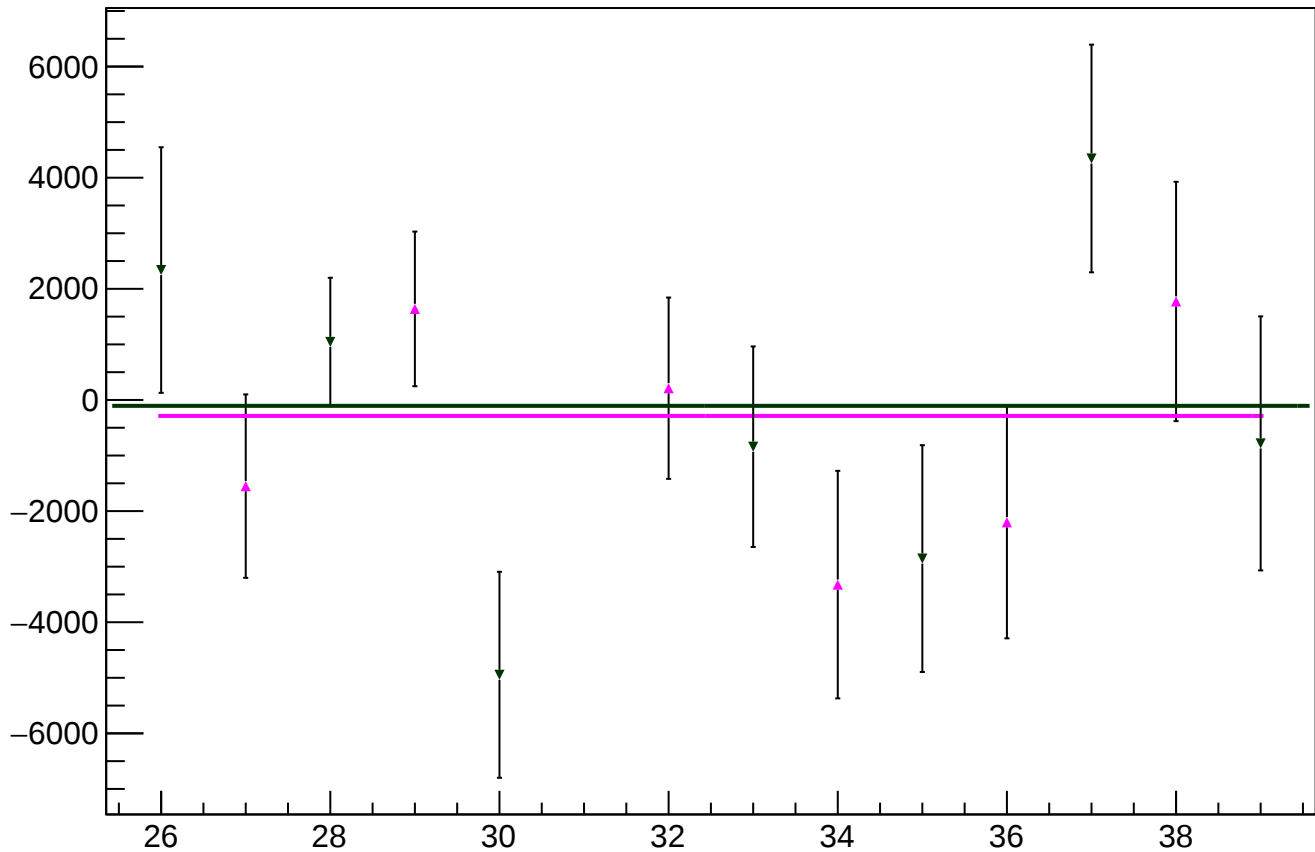
# yield\_bpm16Y\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.003+/-0.000  $\chi^2/\text{NDF}$ :14705.1/7  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.003+/-0.000  $\chi^2/\text{NDF}$ :9839.1/5

0.003+/-0.000  $\chi^2/\text{NDF}$ : 14705.1/7  
0.003+/-0.000  $\chi^2/\text{NDF}$ : 9839.1/5

# asym\_sam1\_mean vs slug



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

Left Out: -105.744+/-670.761  $\chi^2/\text{NDF}$ : 15.8/6

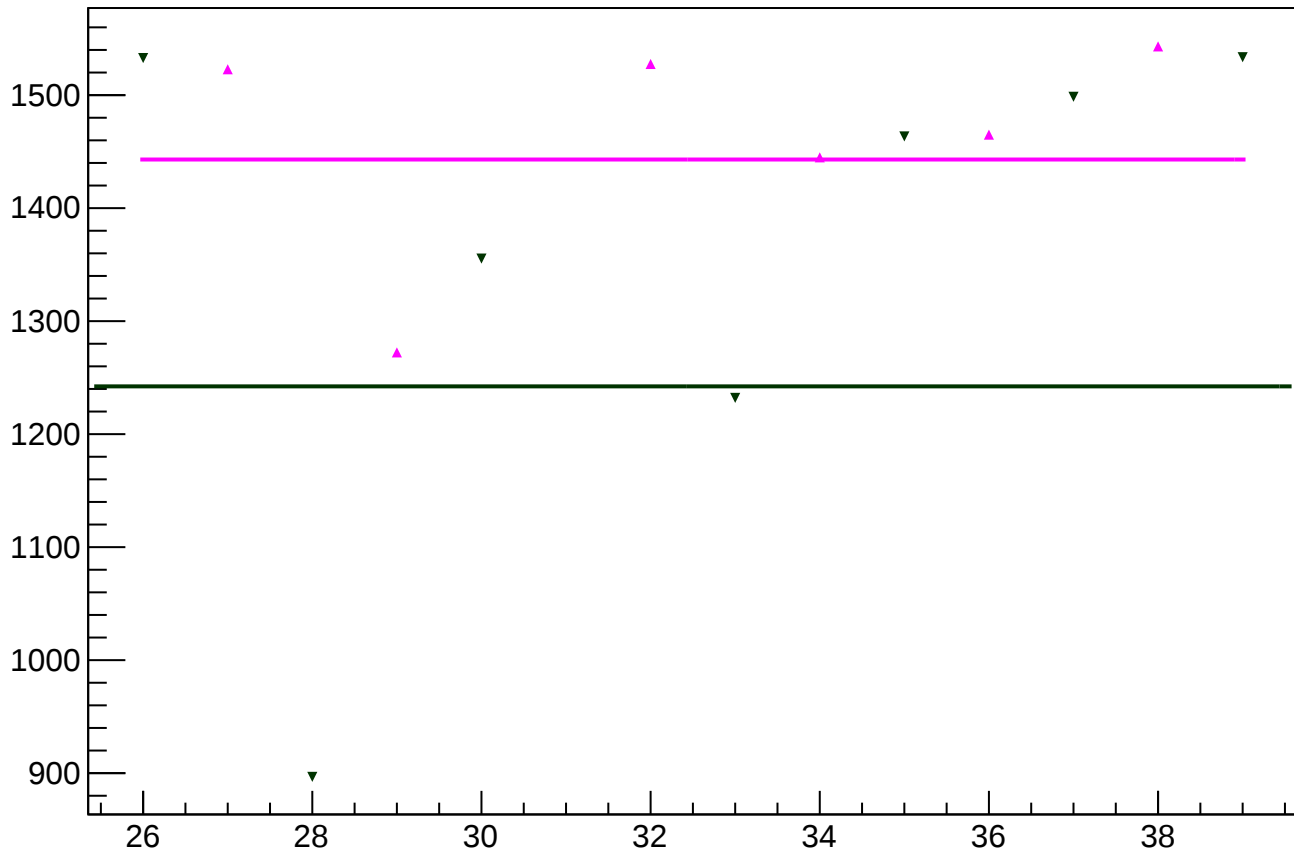
-105.744+/-670.761  $\chi^2/\text{NDF}$ : 15.8/6

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

-287.117+/-717.484  $\chi^2/\text{NDF}$ : 6.5/5

Left In: -287.117+/-717.484  $\chi^2/\text{NDF}$ : 6.5/5

# asym\_sam1\_rms vs slug



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

Left Out: 1242.278+/-0.474  $\chi^2/\text{NDF}$ : 308475.0/6

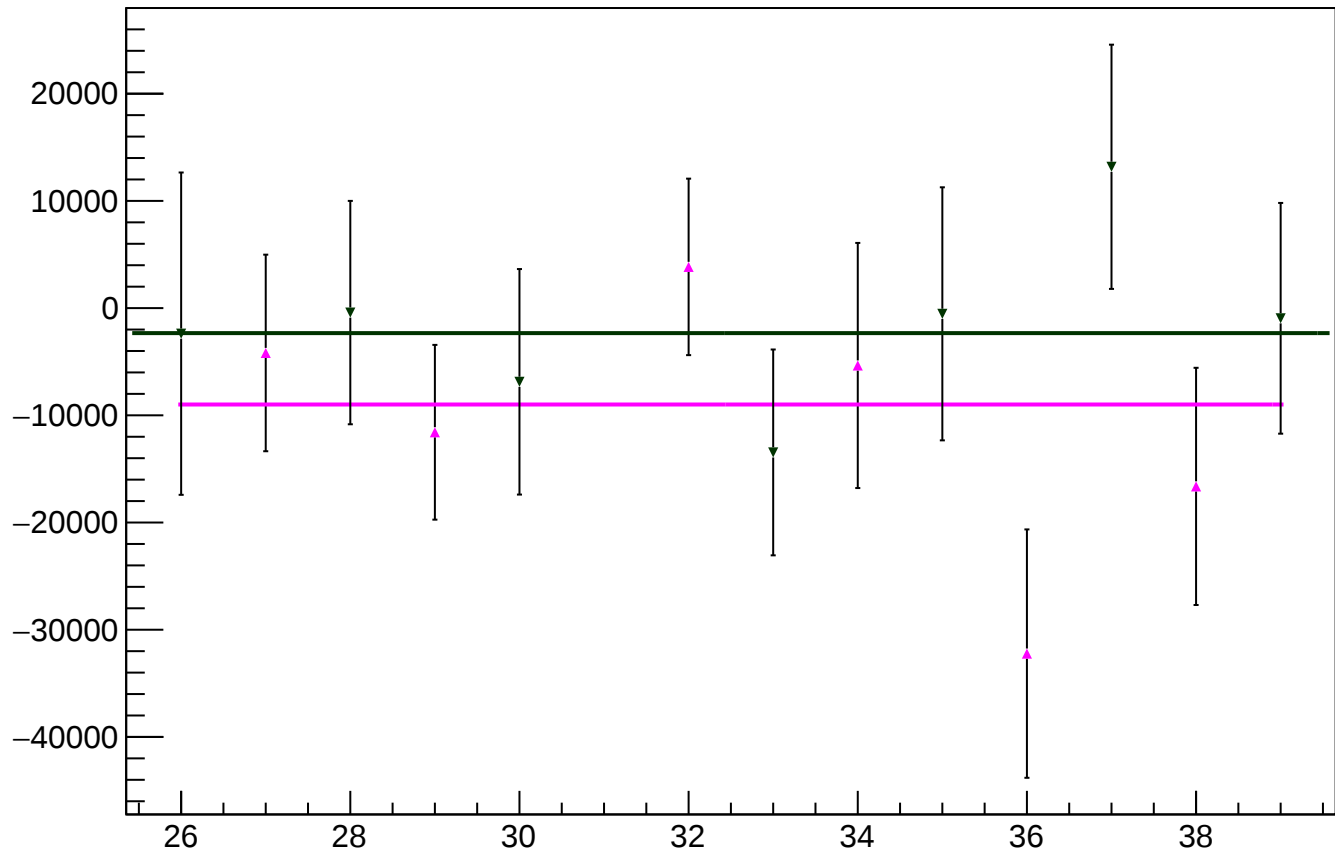
1242.278+/-0.474  $\chi^2/\text{NDF}$ : 308475.0/6

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

1443.036+/-0.507  $\chi^2/\text{NDF}$ : 44698.1/5

Left In: 1443.036+/-0.507  $\chi^2/\text{NDF}$ : 44698.1/5

# asym\_sam2\_mean vs slug



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

Left Out: -2332.161+/-4186.855  $\chi^2/\text{NDF}$ : 3.5/6

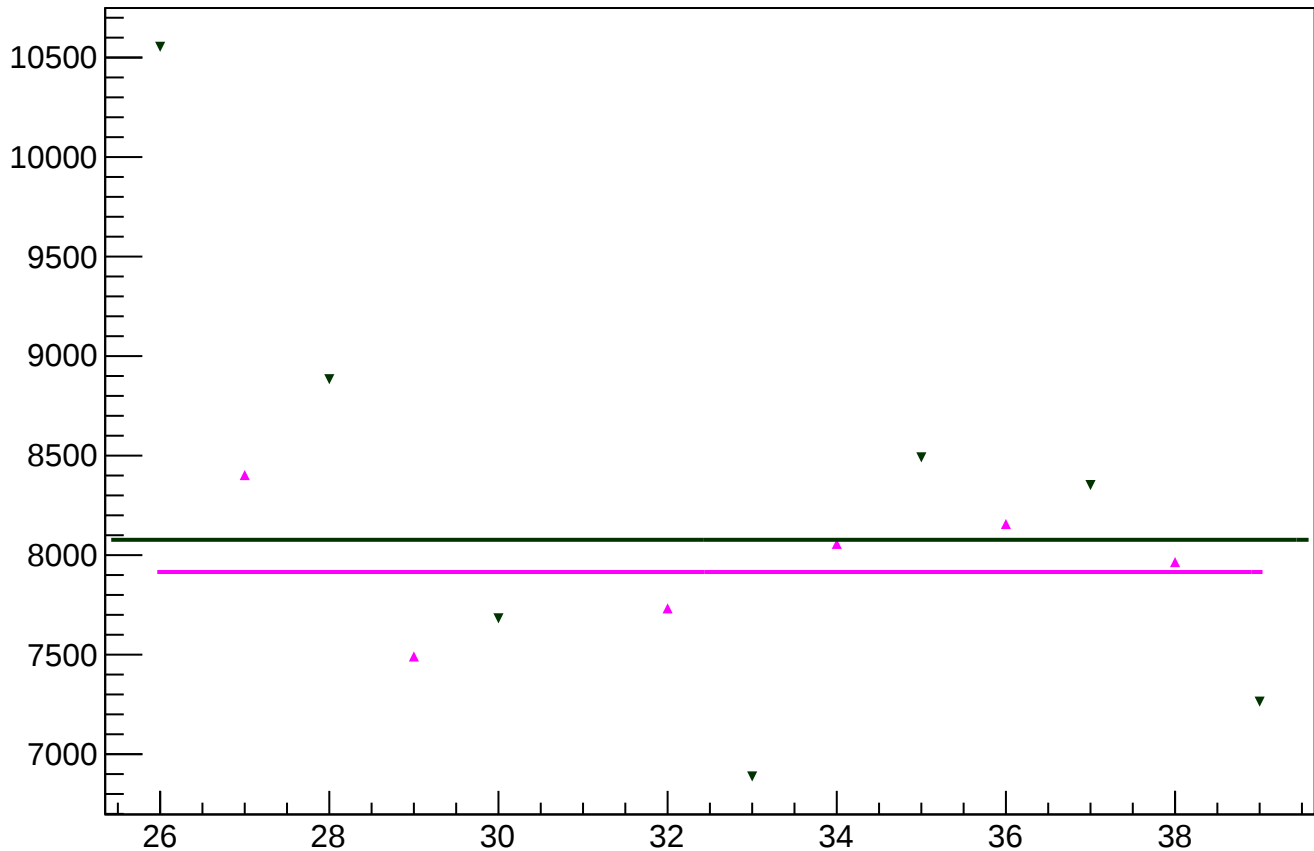
-2332.161+/-4186.855  $\chi^2/\text{NDF}$ : 3.5/6

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

-8991.664+/-3922.769  $\chi^2/\text{NDF}$ : 7.4/5

Left In: -8991.664+/-3922.769  $\chi^2/\text{NDF}$ : 7.4/5

# asym\_sam2\_rms vs slug



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

Left Out: 8077.035+/-2.961  $\chi^2/\text{NDF}$ :114829.1/6

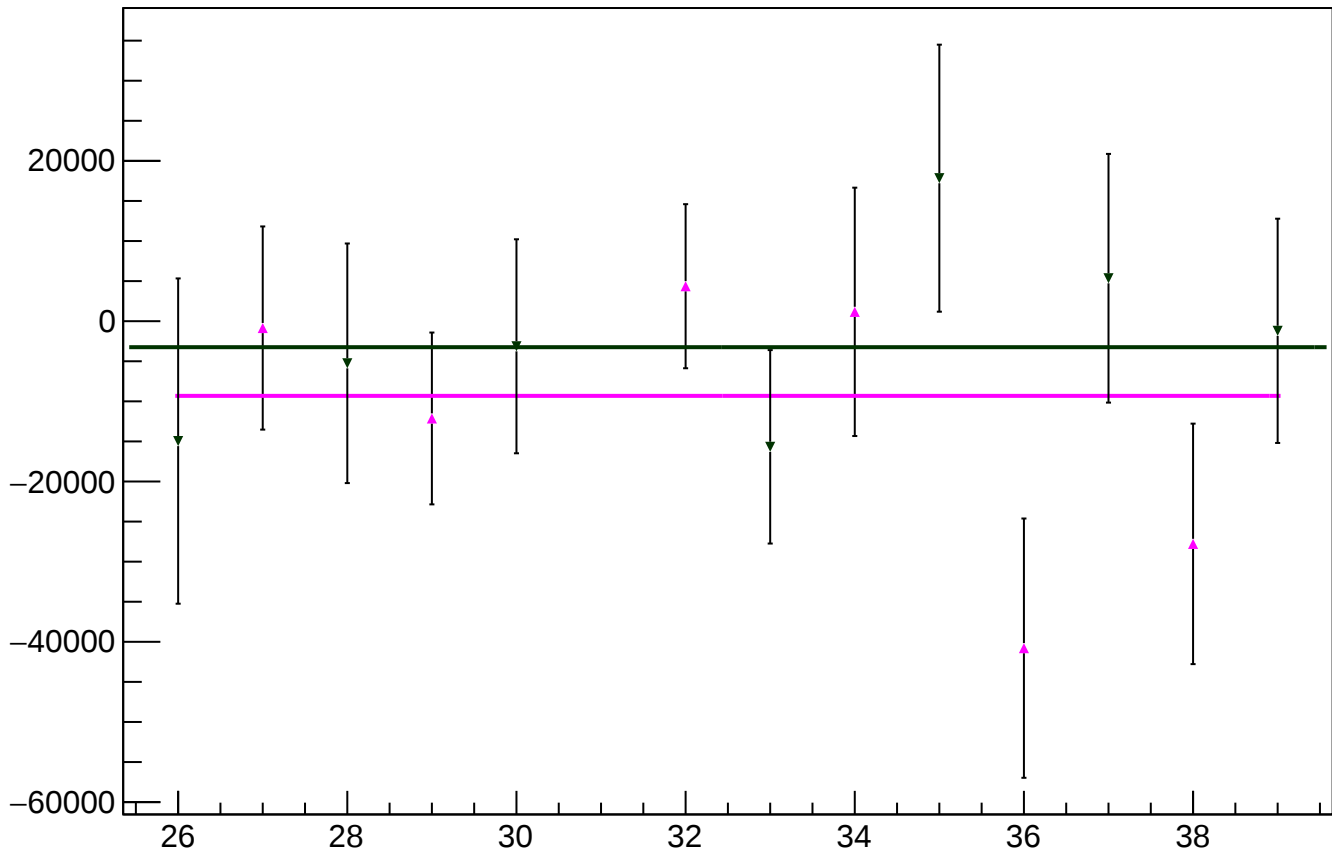
8077.035+/-2.961  $\chi^2/\text{NDF}$ : 114829.1/6

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

7915.228+/-2.774  $\chi^2/\text{NDF}$ : 13262.0/5

Left In: 7915.228+/-2.774  $\chi^2/\text{NDF}$ :13262.0/5

# asym\_sam3\_mean vs slug



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

Left Out: -3243.574+/-5568.174  $\chi^2/\text{NDF}$ : 3.3/6

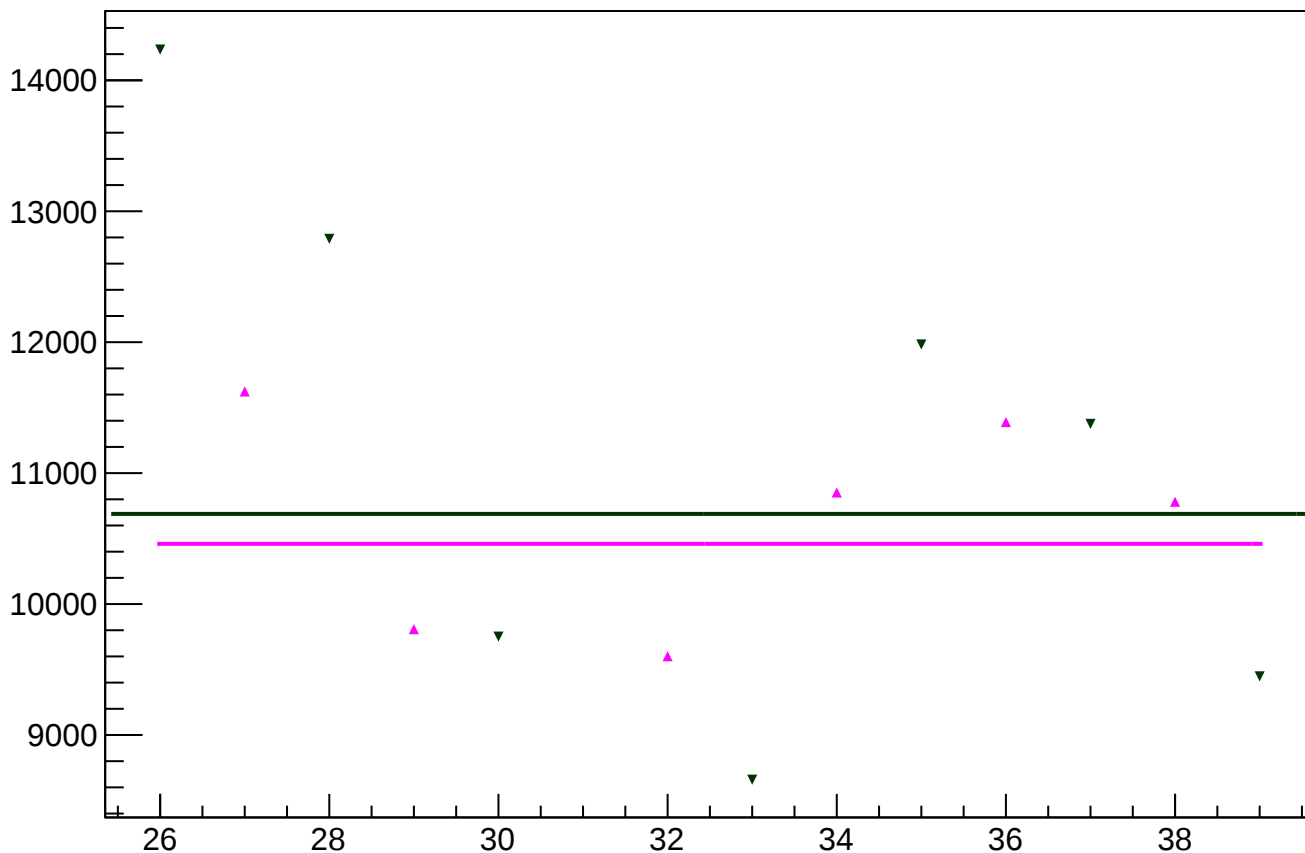
-3243.574+/-5568.174  $\chi^2/\text{NDF}$ : 3.3/6

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

-9314.830+/-5205.115  $\chi^2/\text{NDF}$ : 8.1/5

Left In: -9314.830+/-5205.115  $\chi^2/\text{NDF}$ : 8.1/5

# asym\_sam3\_rms vs slug



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

Left Out: 10688.626+/-3.937  $\chi^2/\text{NDF}$ :198810.2/6

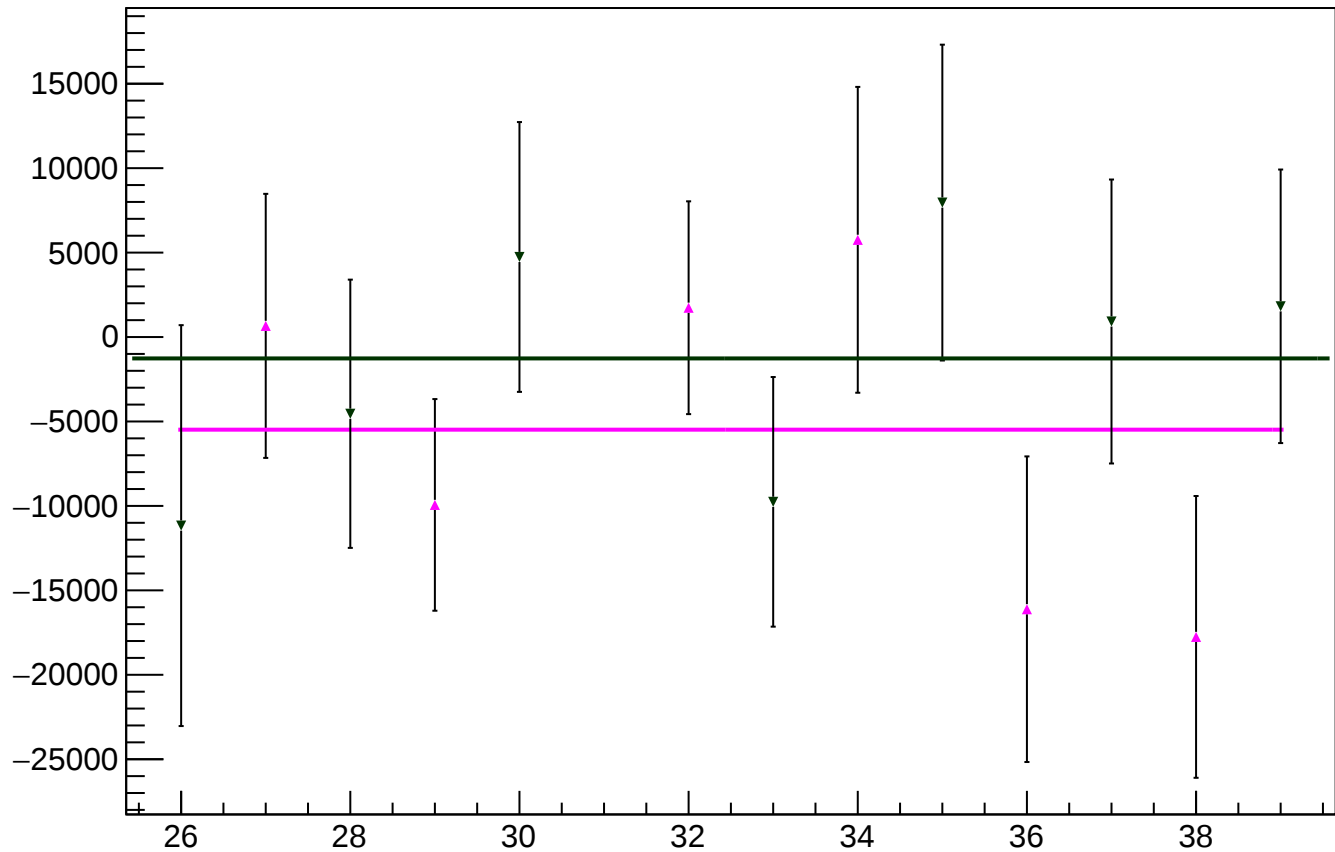
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 10460.004+/-3.681  $\chi^2/\text{NDF}$ :47146.9/5

10688.626+/-3.937  $\chi^2/\text{NDF}$ : 198810.2/6

10460.004+/-3.681  $\chi^2/\text{NDF}$ : 47146.9/5

# asym\_sam4\_mean vs slug



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

Left Out: -1266.464+/-3198.411  $\chi^2/\text{NDF}$ : 3.9/6

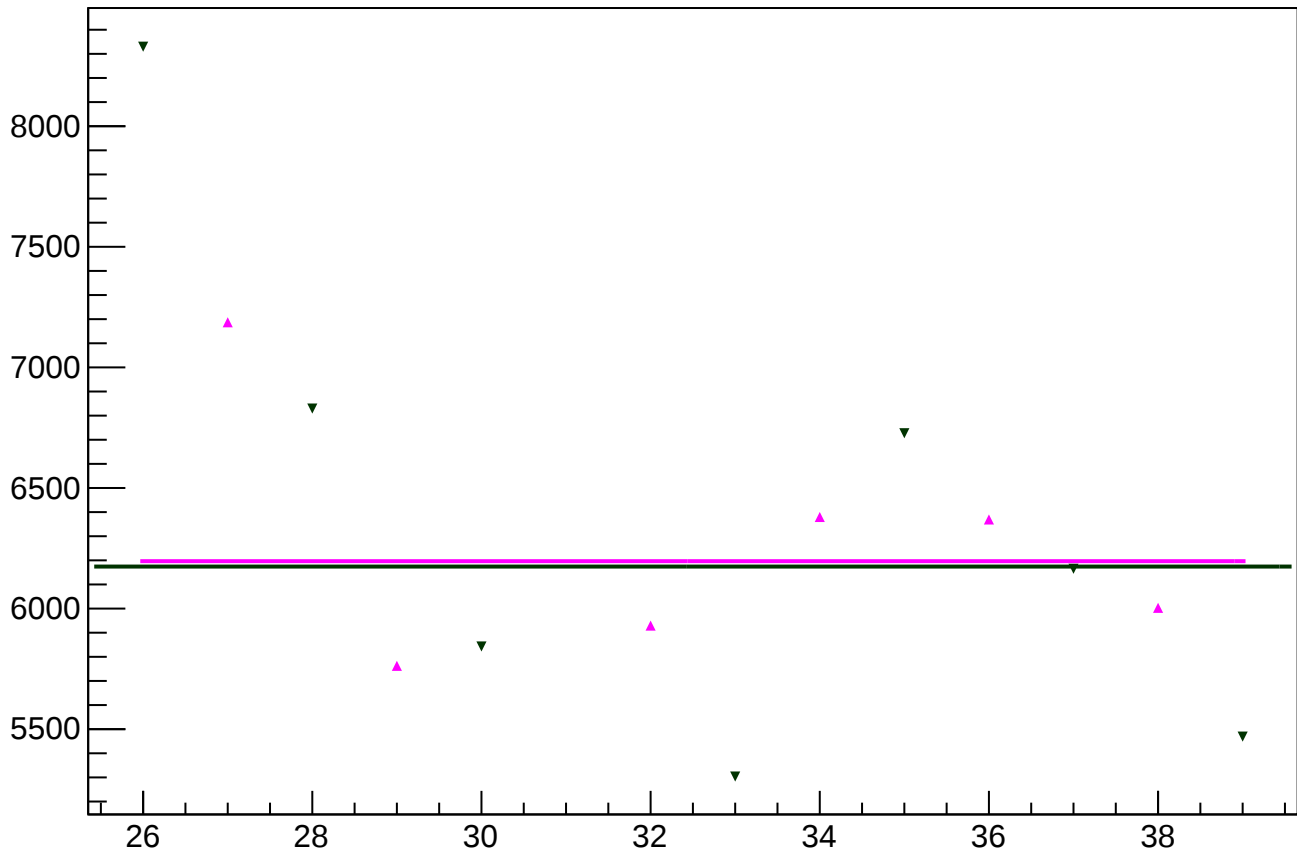
-1266.464+/-3198.411  $\chi^2/\text{NDF}$ : 3.9/6

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

-5485.210+/-3074.455  $\chi^2/\text{NDF}$ : 7.5/5

Left In: -5485.210+/-3074.455  $\chi^2/\text{NDF}$ : 7.5/5

# asym\_sam4\_rms vs slug



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

Left Out: 6174.222+/-2.262  $\chi^2/\text{NDF}$ :132897.5/6

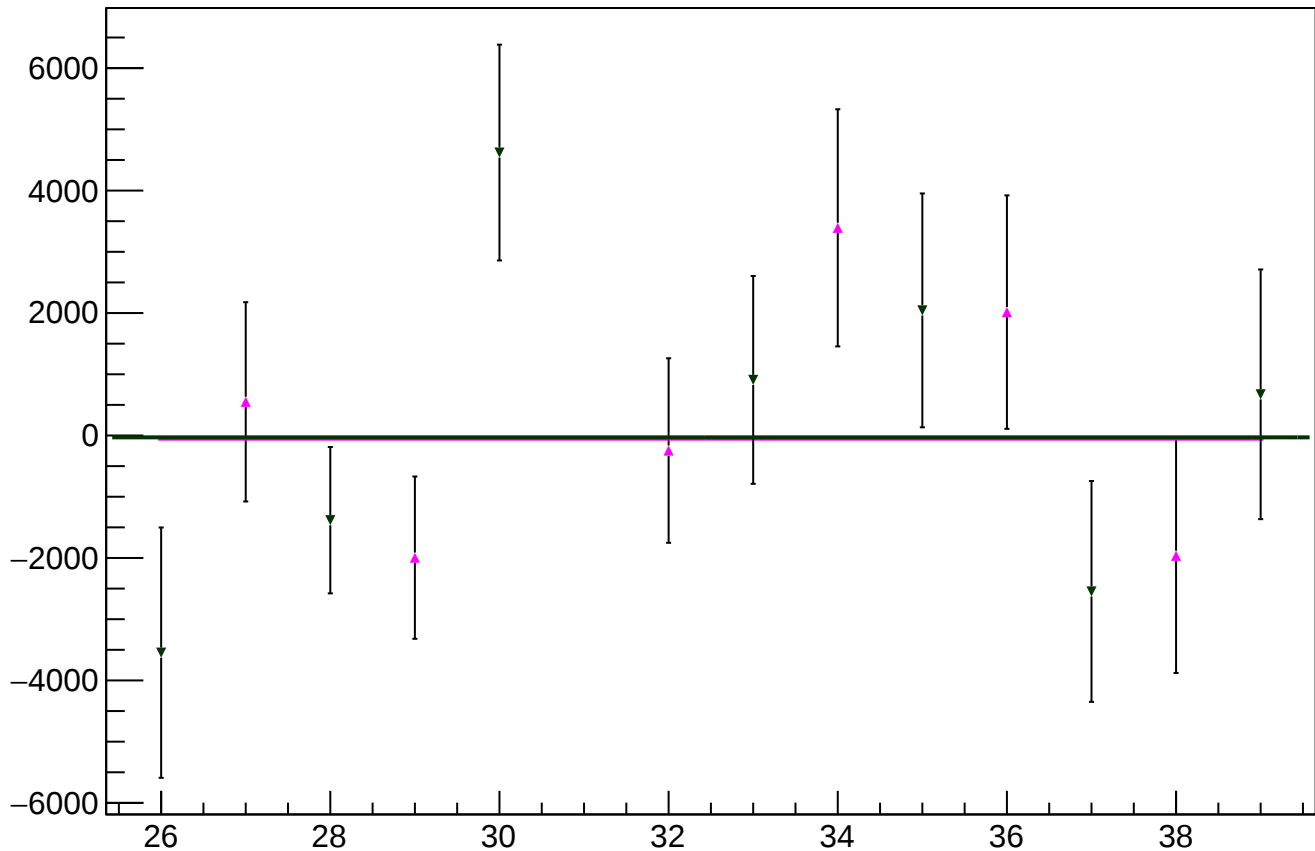
6174.222+/-2.262  $\chi^2/\text{NDF}$ : 132897.5/6

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

6196.536+/-2.174  $\chi^2/\text{NDF}$ : 47914.6/5

Left In: 6196.536+/-2.174  $\chi^2/\text{NDF}$ :47914.6/5

# asym\_sam5\_mean vs slug



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

Left Out: -30.184+/-641.429  $\chi^2/\text{NDF}$ : 14.8/6

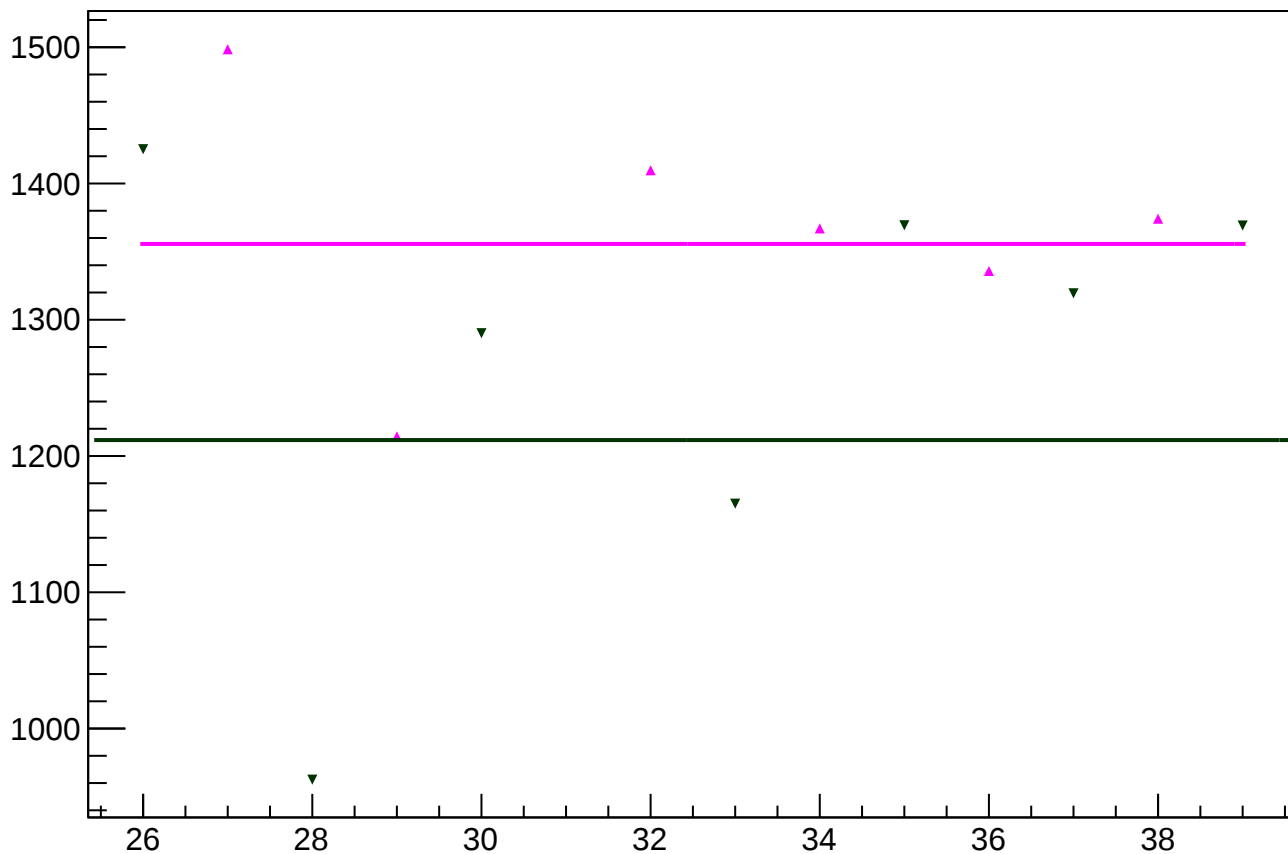
-30.184+/-641.429  $\chi^2/\text{NDF}$ : 14.8/6

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

-51.467+/-673.866  $\chi^2/\text{NDF}$ : 7.6/5

Left In: -51.467+/-673.866  $\chi^2/\text{NDF}$ : 7.6/5

# asym\_sam5\_rms vs slug



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

Left Out: 1211.709+/-0.454  $\chi^2/\text{NDF}$ : 146886.8/6

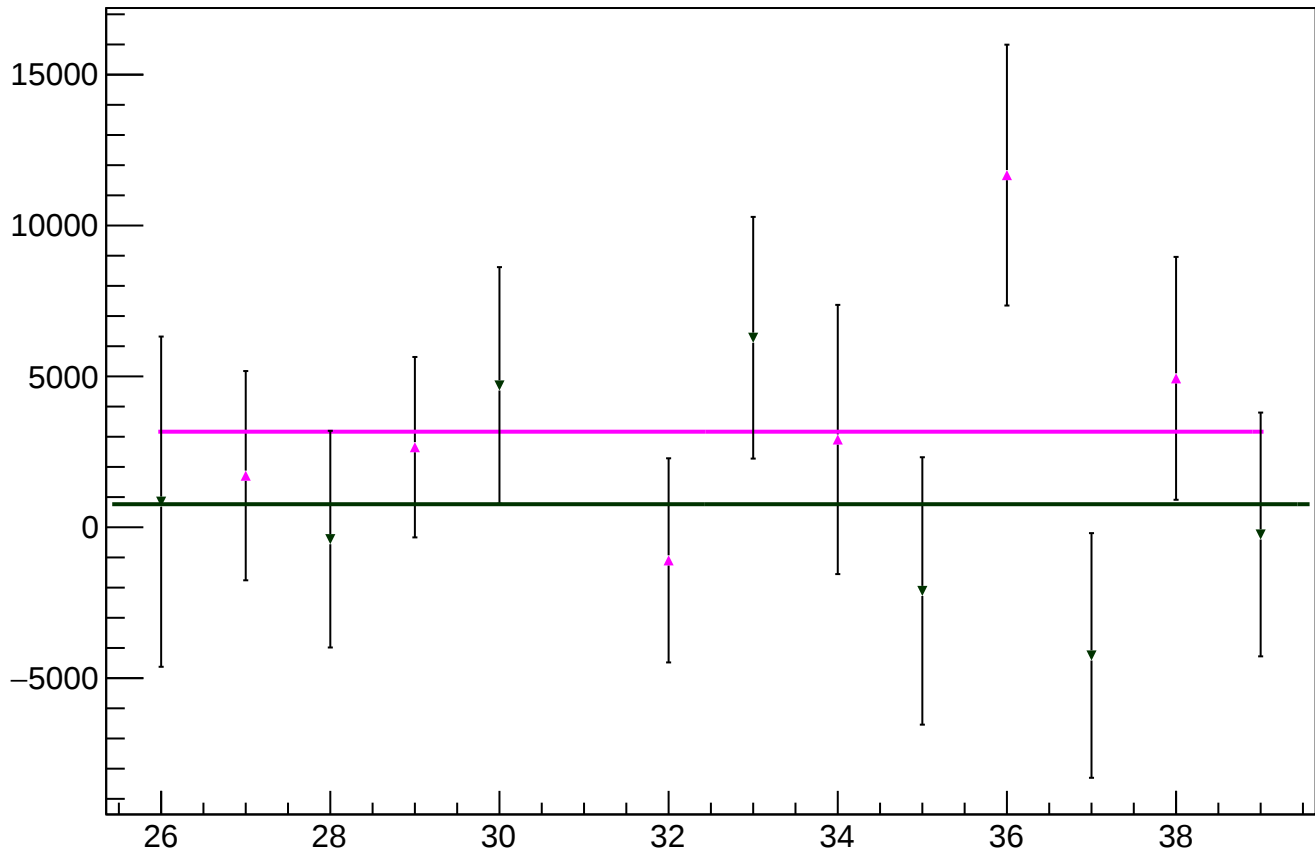
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1355.651+/-0.476  $\chi^2/\text{NDF}$ : 41181.9/5

1211.709+/-0.454  $\chi^2/\text{NDF}$ : 146886.8/6

1355.651+/-0.476  $\chi^2/\text{NDF}$ : 41181.9/5

# asym\_sam6\_mean vs slug



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

Left Out: 764.313+/-1559.076  $\chi^2/\text{NDF}$ : 5.0/6

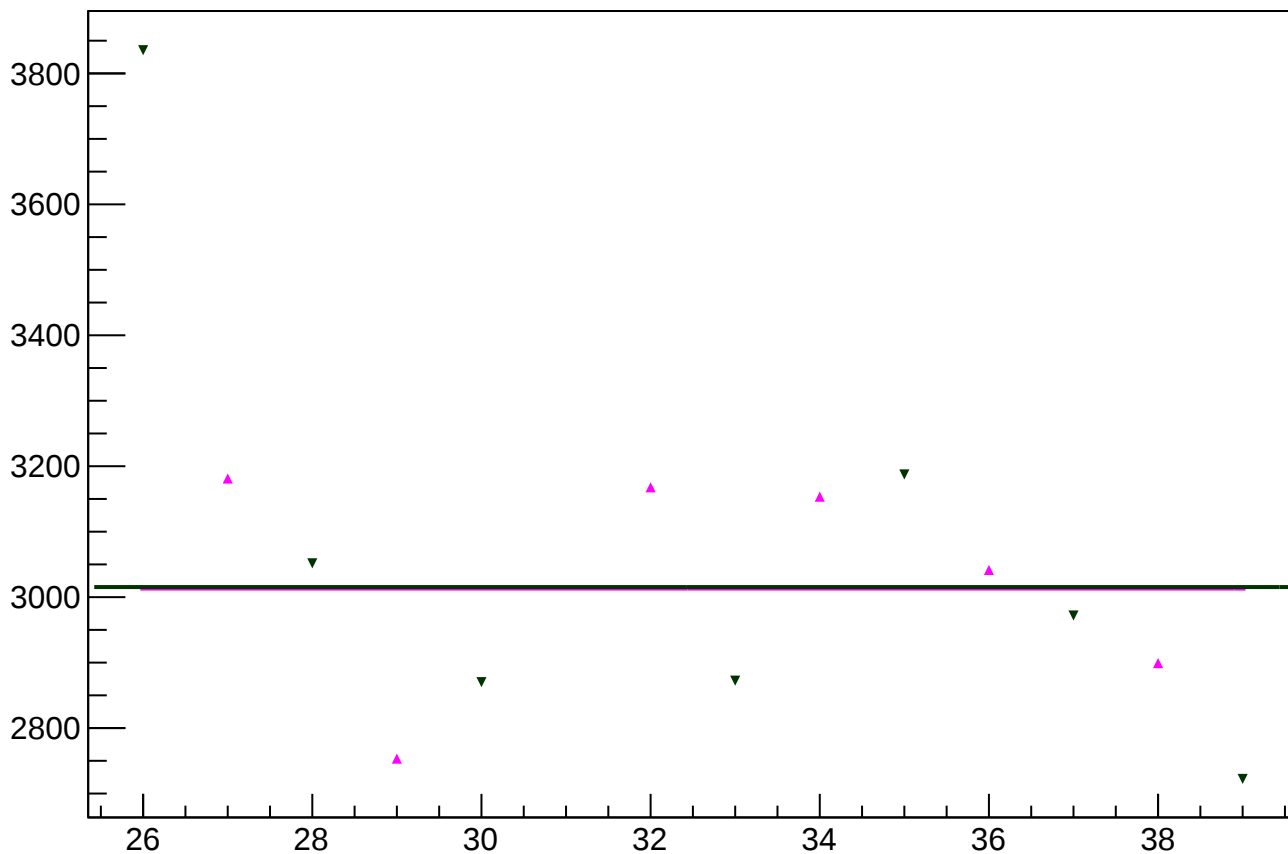
764.313+/-1559.076  $\chi^2/\text{NDF}$ : 5.0/6

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

Left In: 3167.475+/-1494.116  $\chi^2/\text{NDF}$ : 5.9/5

3167.475+/-1494.116  $\chi^2/\text{NDF}$ : 5.9/5

# asym\_sam6\_rms vs slug



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

Left Out: 3015.408+/-1.102  $\chi^2/\text{NDF}$ : 64188.6/6

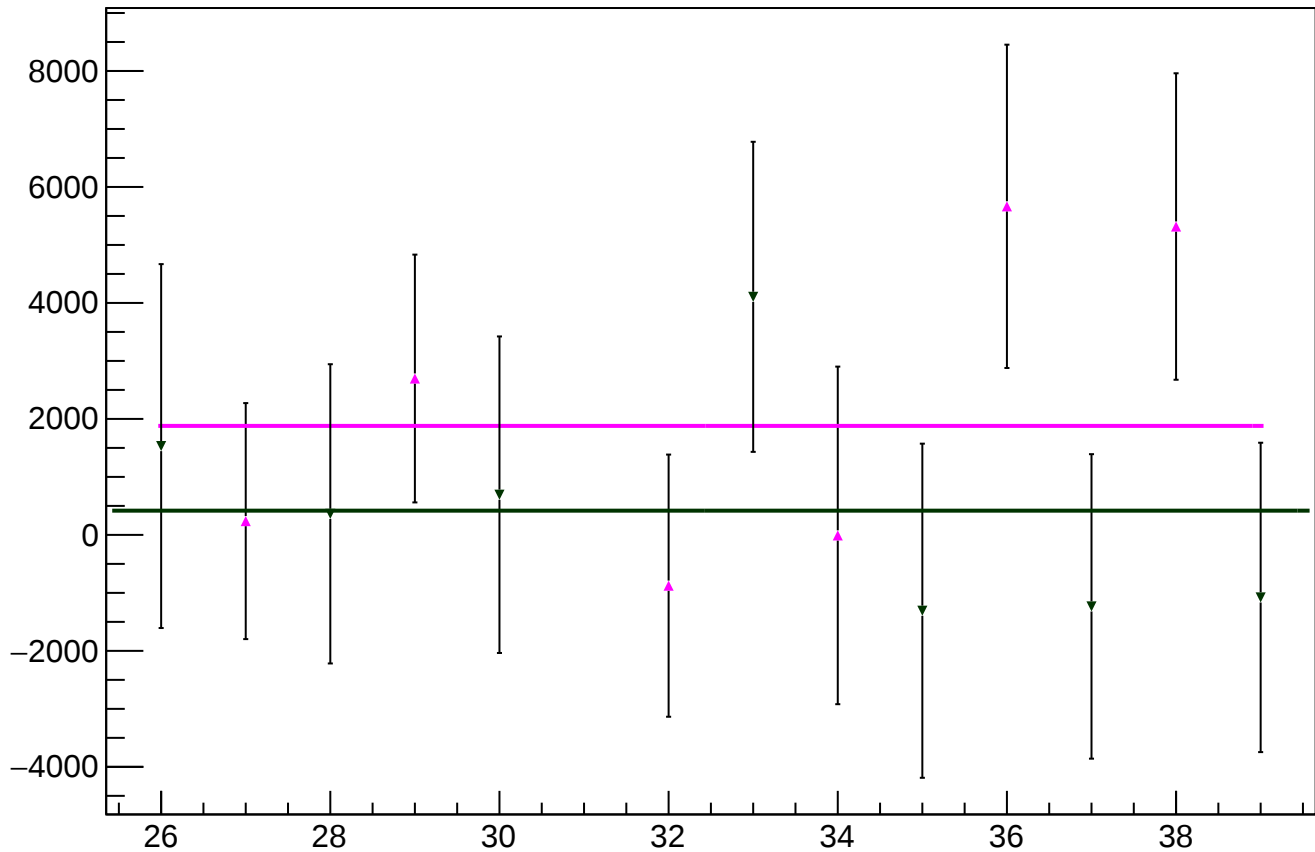
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3013.077+/-1.056  $\chi^2/\text{NDF}$ : 27650.1/5

3015.408+/-1.102  $\chi^2/\text{NDF}$ : 64188.6/6

3013.077+/-1.056  $\chi^2/\text{NDF}$ : 27650.1/5

# asym\_sam7\_mean vs slug



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

Left Out: 417.857+/-1035.830  $\chi^2/\text{NDF}$ : 3.1/6

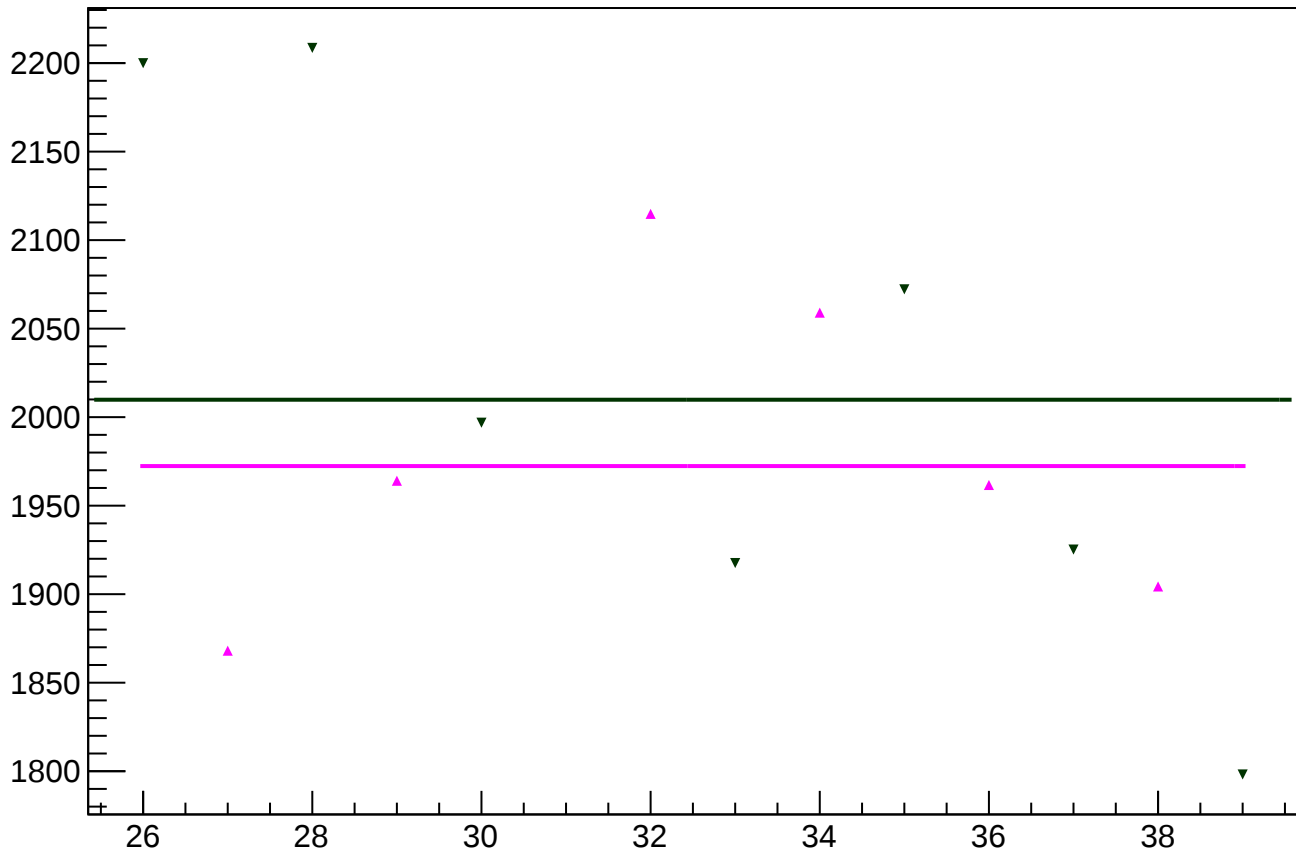
417.857+/-1035.830  $\chi^2/\text{NDF}$ : 3.1/6

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

1879.670+/-977.701  $\chi^2/\text{NDF}$ : 6.2/5

Left In: 1879.670+/-977.701  $\chi^2/\text{NDF}$ : 6.2/5

# asym\_sam7\_rms vs slug



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

Left Out: 2009.846+/-0.732  $\chi^2/\text{NDF}$ : 37244.0/6

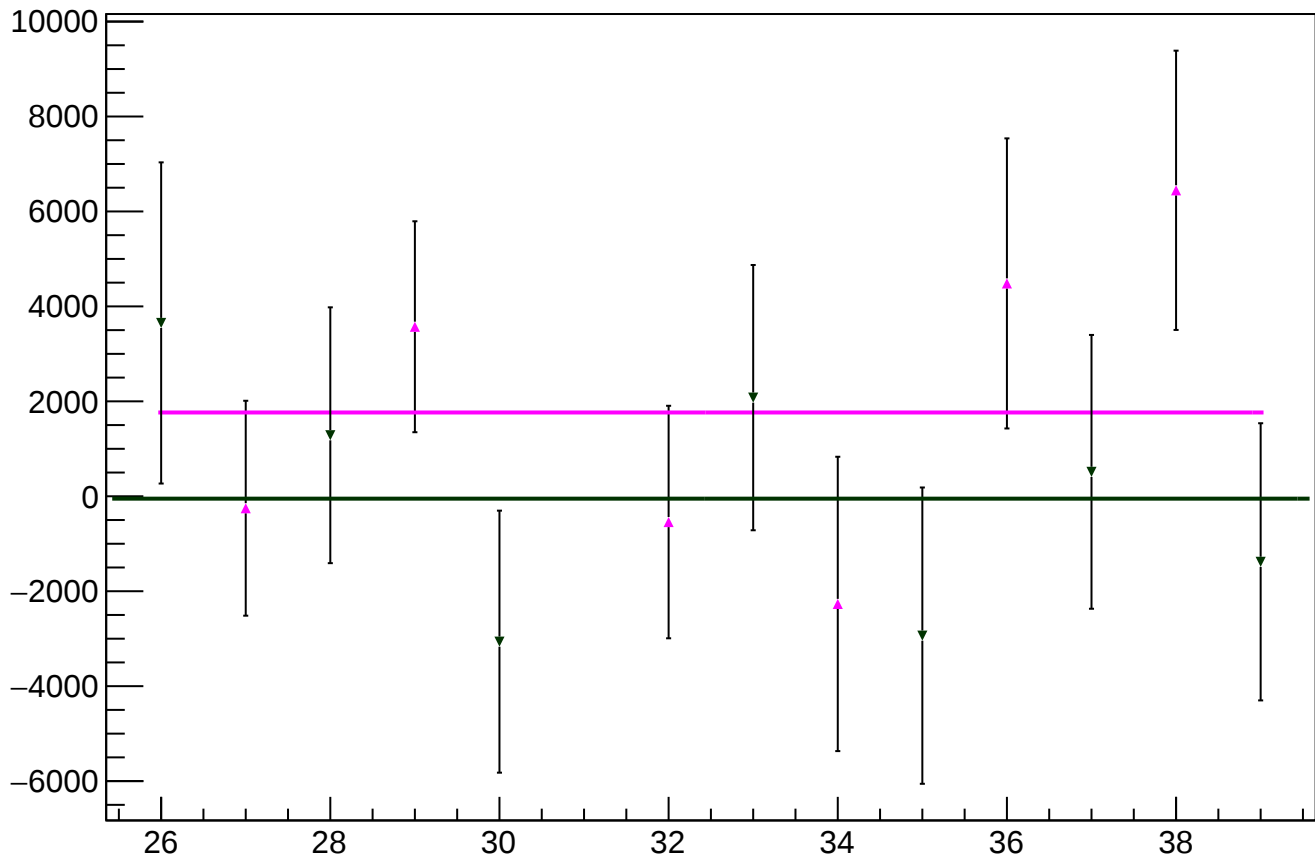
2009.846+/-0.732  $\chi^2/\text{NDF}$ : 37244.0/6

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

1972.366+/-0.691  $\chi^2/\text{NDF}$ : 16352.8/5

Left In: 1972.366+/-0.691  $\chi^2/\text{NDF}$ : 16352.8/5

# asym\_sam8\_mean vs slug



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

Left Out: -50.063+/-1101.150  $\chi^2/\text{NDF}$ : 4.3/6

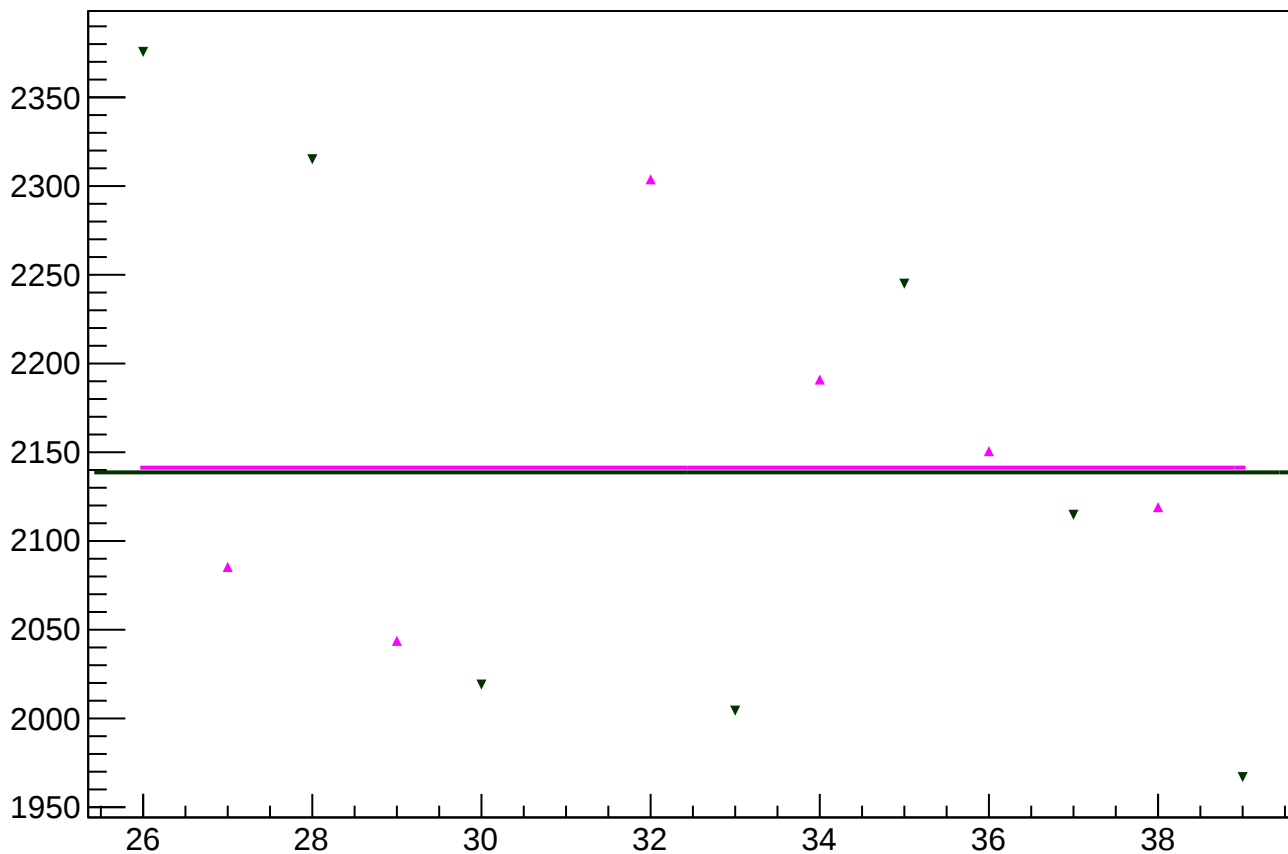
-50.063+/-1101.150  $\chi^2/\text{NDF}$ : 4.3/6

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

1765.110+/-1059.274  $\chi^2/\text{NDF}$ : 7.4/5

Left In: 1765.110+/-1059.274  $\chi^2/\text{NDF}$ : 7.4/5

# asym\_sam8\_rms vs slug



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

Left Out: 2138.662+/-0.779  $\chi^2/\text{NDF}$ : 36137.4/6

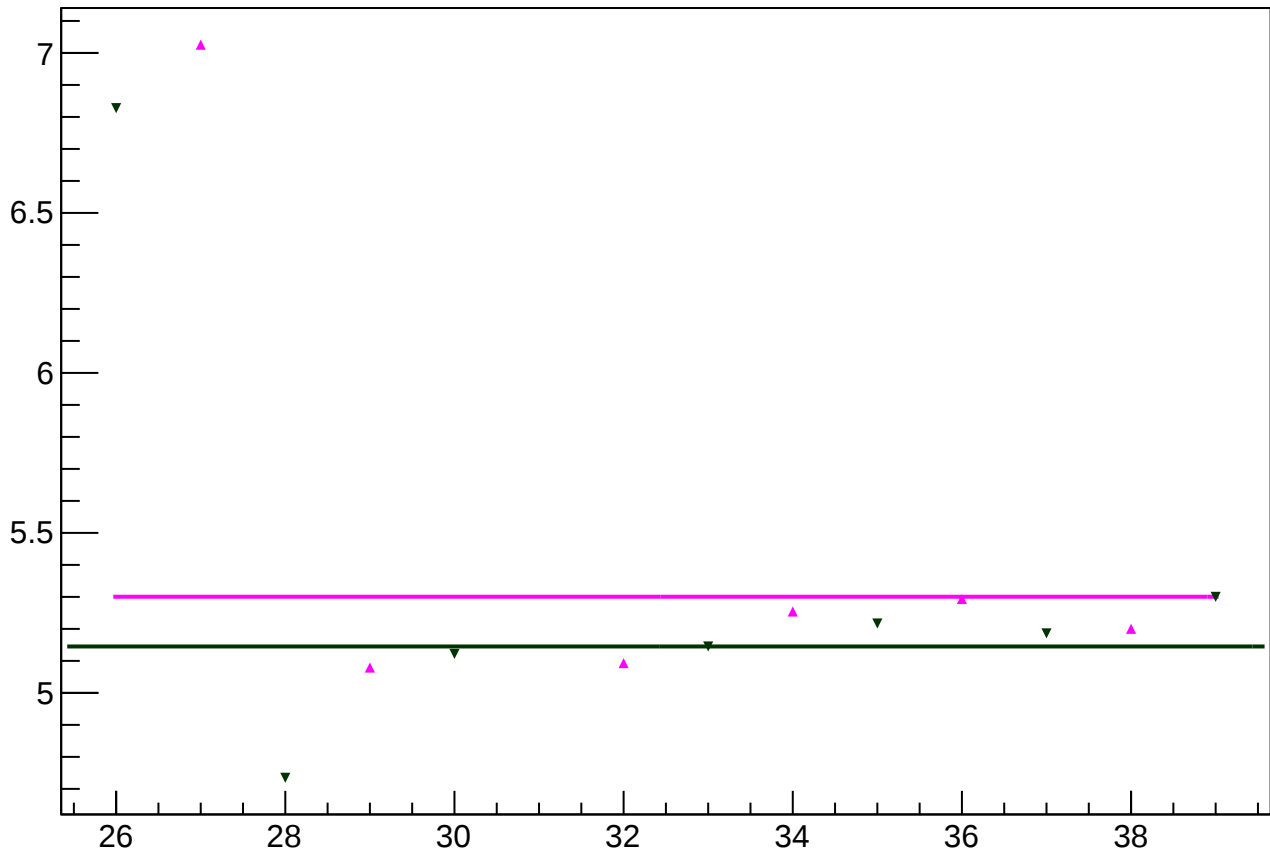
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2141.334+/-0.749  $\chi^2/\text{NDF}$ : 14529.1/5

2138.662+/-0.779  $\chi^2/\text{NDF}$ : 36137.4/6

2141.334+/-0.749  $\chi^2/\text{NDF}$ : 14529.1/5

# yield\_sam1\_mean vs slug



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

Left Out: 5.145+/-0.000  $\chi^2/\text{NDF}$ : 2119351221.5/6

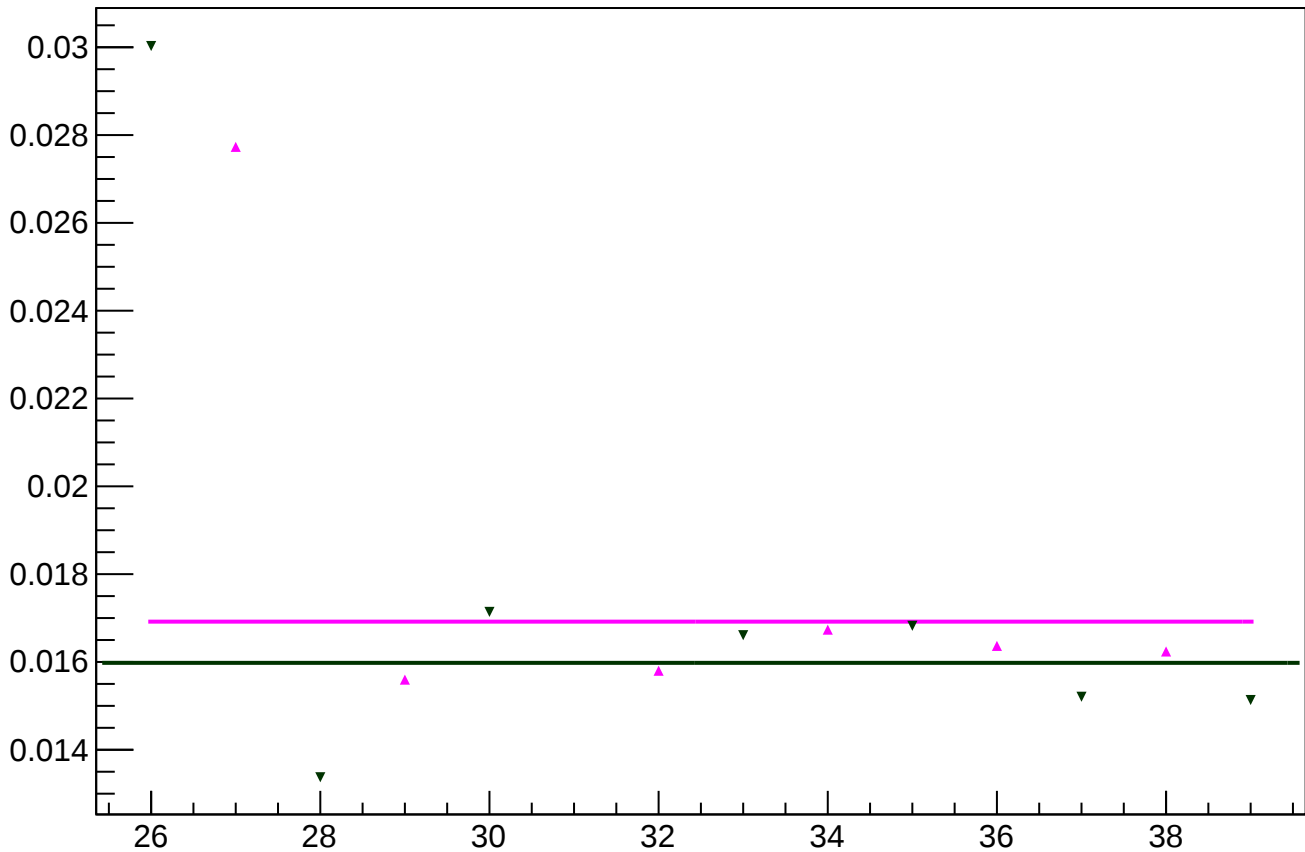
5.145+/-0.000  $\chi^2/\text{NDF}$ : 2119351221.5/6

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

5.300+/-0.000  $\chi^2/\text{NDF}$ : 3272079309.8/5

Left In: 5.300+/-0.000  $\chi^2/\text{NDF}$ : 3272079309.8/5

yield\_sam1\_rms vs slug



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

Left Out: 0.016+/-0.000  $\chi^2/\text{NDF}$ : 268256.1/6

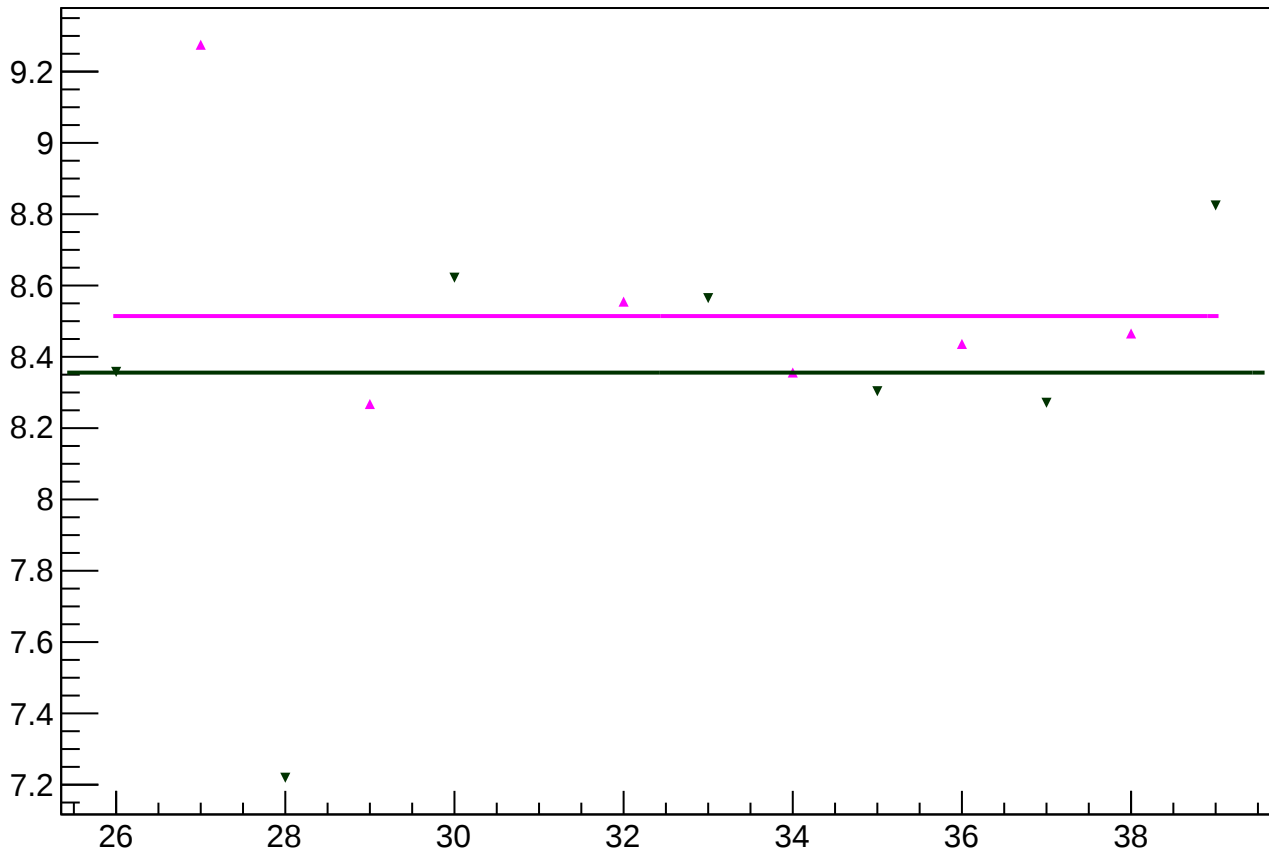
0.016+/-0.000  $\chi^2/\text{NDF}$ : 268256.1/6

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

0.017+/-0.000  $\chi^2/\text{NDF}$ : 254056.6/5

Left In: 0.017+/-0.000  $\chi^2/\text{NDF}$ : 254056.6/5

# yield\_sam2\_mean vs slug



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

Left Out: 8.356+/-0.000  $\chi^2/\text{NDF}$ : 57109046.5/6

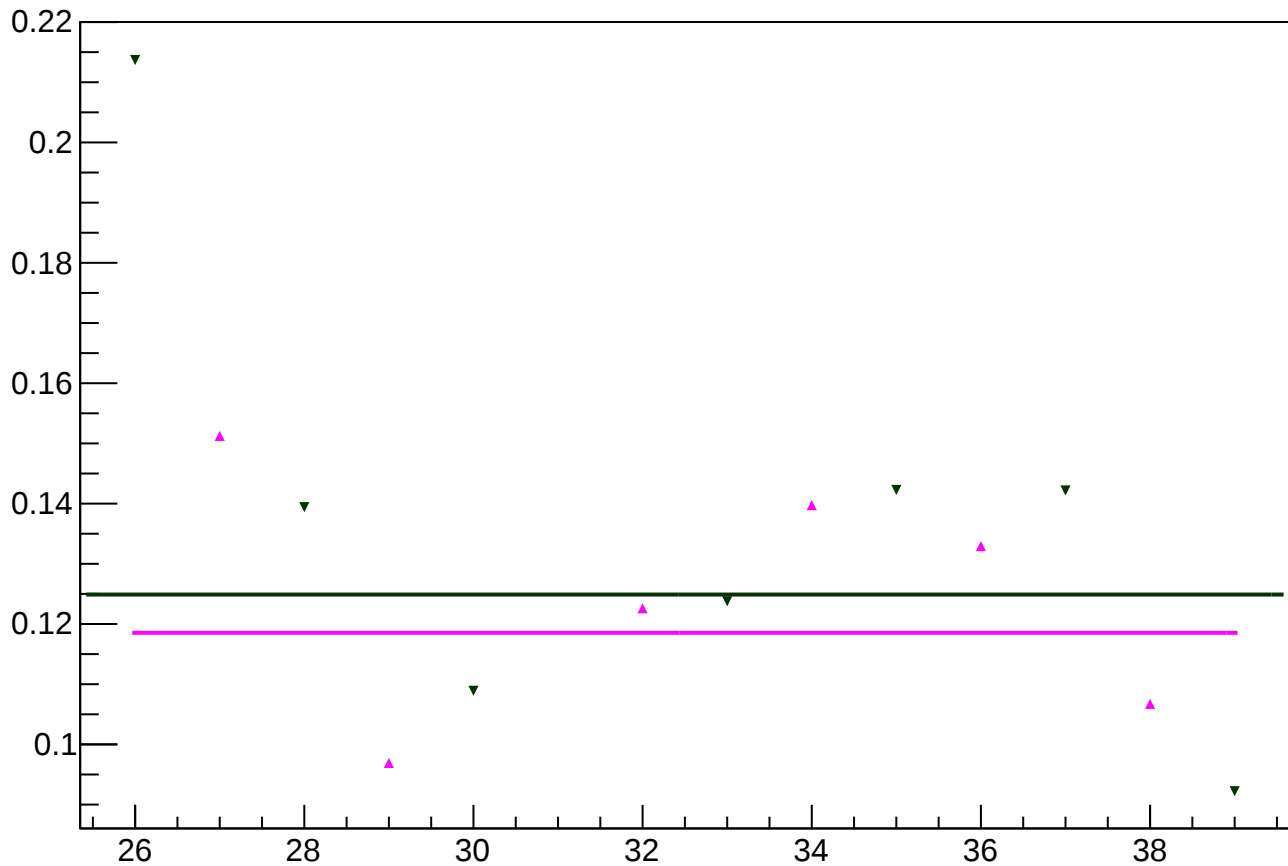
8.356+/-0.000  $\chi^2/\text{NDF}$ : 57109046.5/6

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

8.514+/-0.000  $\chi^2/\text{NDF}$ : 25792535.2/5

Left In: 8.514+/-0.000  $\chi^2/\text{NDF}$ : 25792535.2/5

# yield\_sam2\_rms vs slug



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

Left Out: 0.125+/-0.000  $\chi^2/\text{NDF}$ : 333665.7/6

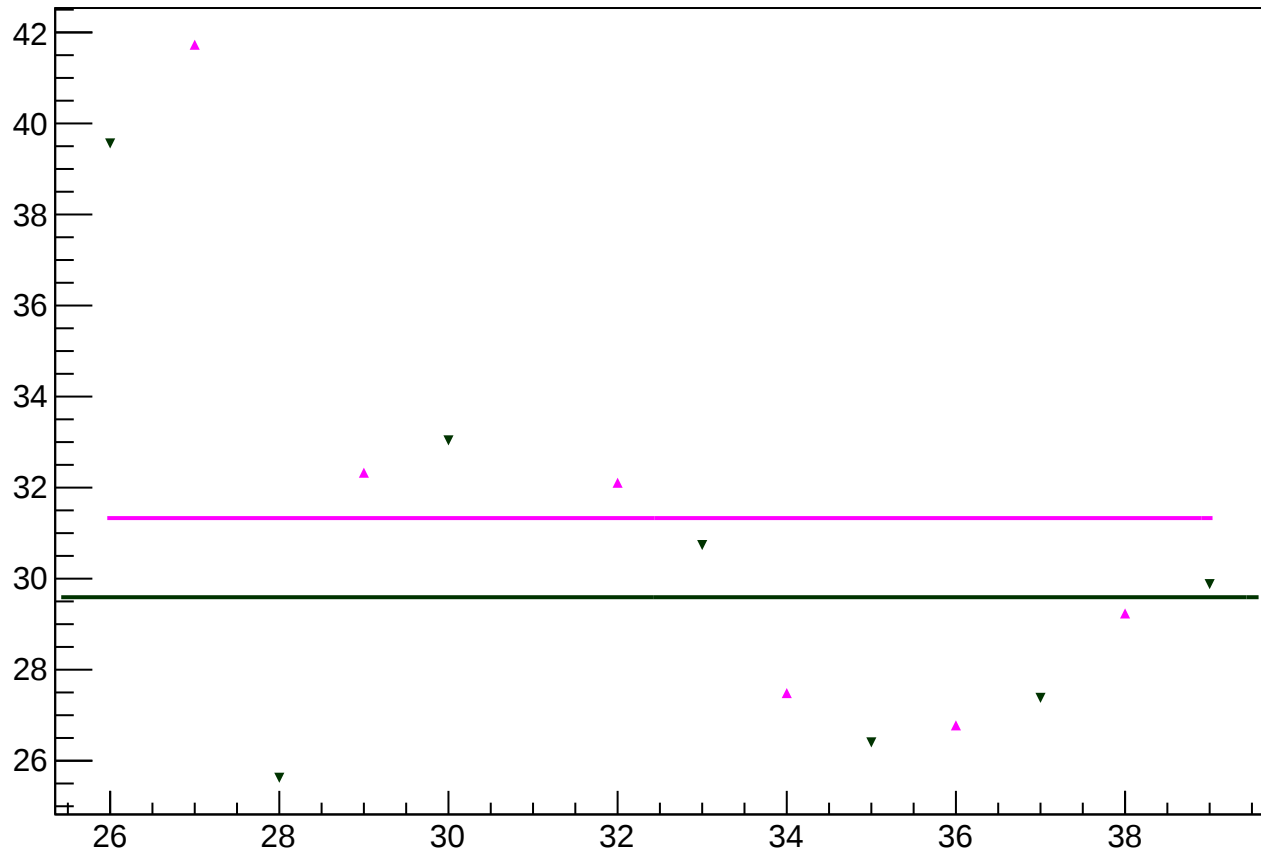
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.119+/-0.000  $\chi^2/\text{NDF}$ : 196928.8/5

0.125+/-0.000  $\chi^2/\text{NDF}$ : 333665.7/6

0.119+/-0.000  $\chi^2/\text{NDF}$ : 196928.8/5

# yield\_sam3\_mean vs slug



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

Left Out: 29.592+/-0.000  $\chi^2/\text{NDF}$ : 92847126.7/6

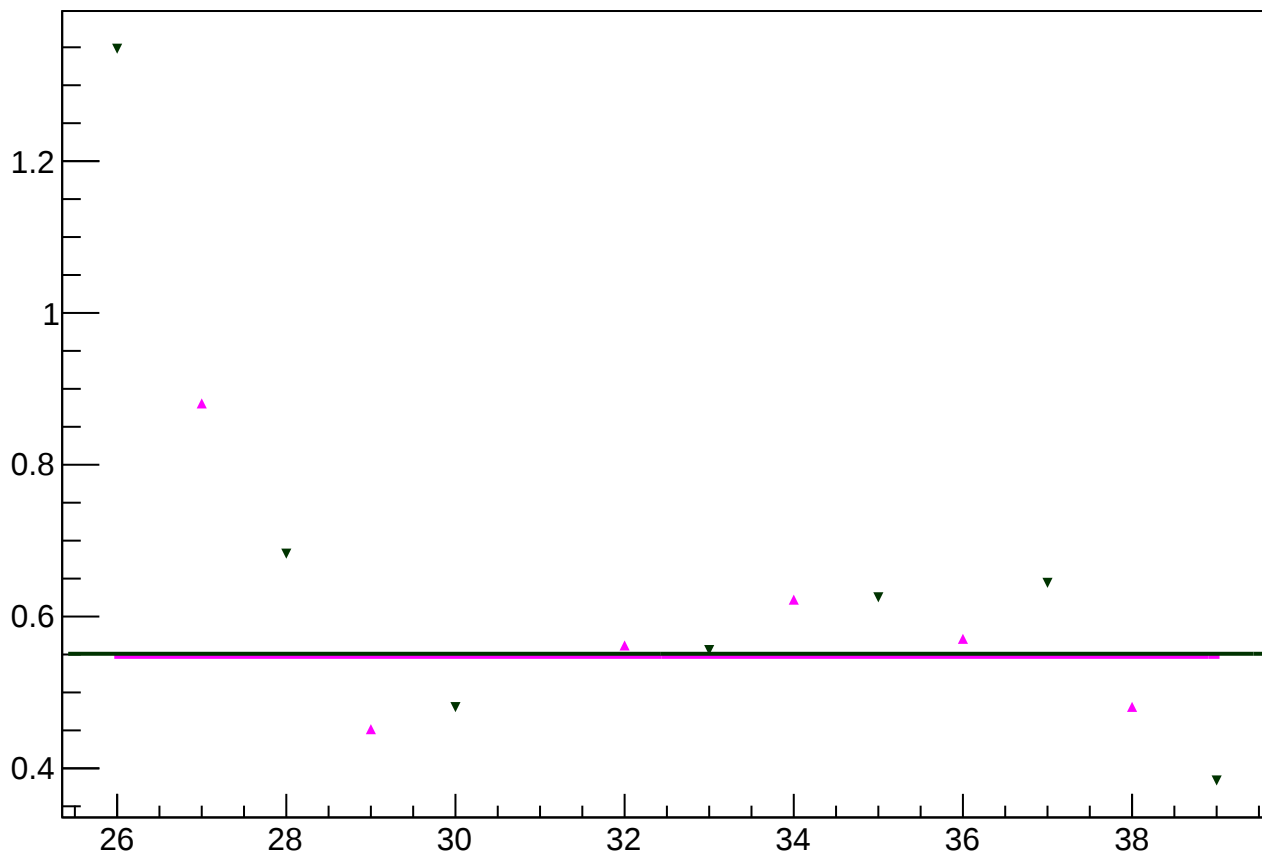
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 31.330+/-0.000  $\chi^2/\text{NDF}$ : 166715731.1/5

29.592+/-0.000  $\chi^2/\text{NDF}$ : 92847126.7/6

31.330+/-0.000  $\chi^2/\text{NDF}$ : 166715731.1/5

# yield\_sam3\_rms vs slug



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

Left Out: 0.551+/-0.000  $\chi^2/\text{NDF}$ : 590271.5/6

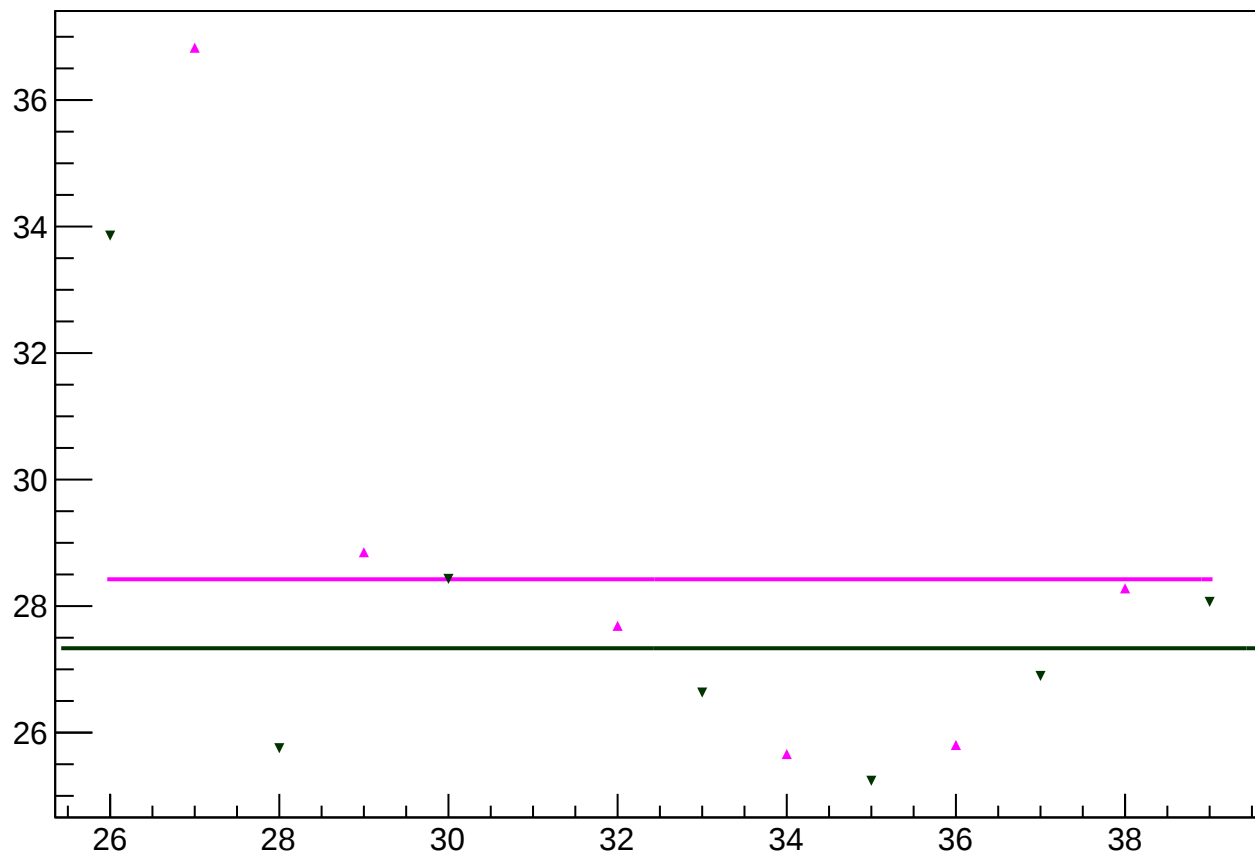
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.547+/-0.000  $\chi^2/\text{NDF}$ : 317018.6/5

0.551+/-0.000  $\chi^2/\text{NDF}$ : 590271.5/6

0.547+/-0.000  $\chi^2/\text{NDF}$ : 317018.6/5

# yield\_sam4\_mean vs slug



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

Left Out: 27.334+/-0.000  $\chi^2/\text{NDF}$ : 89365168.6/6

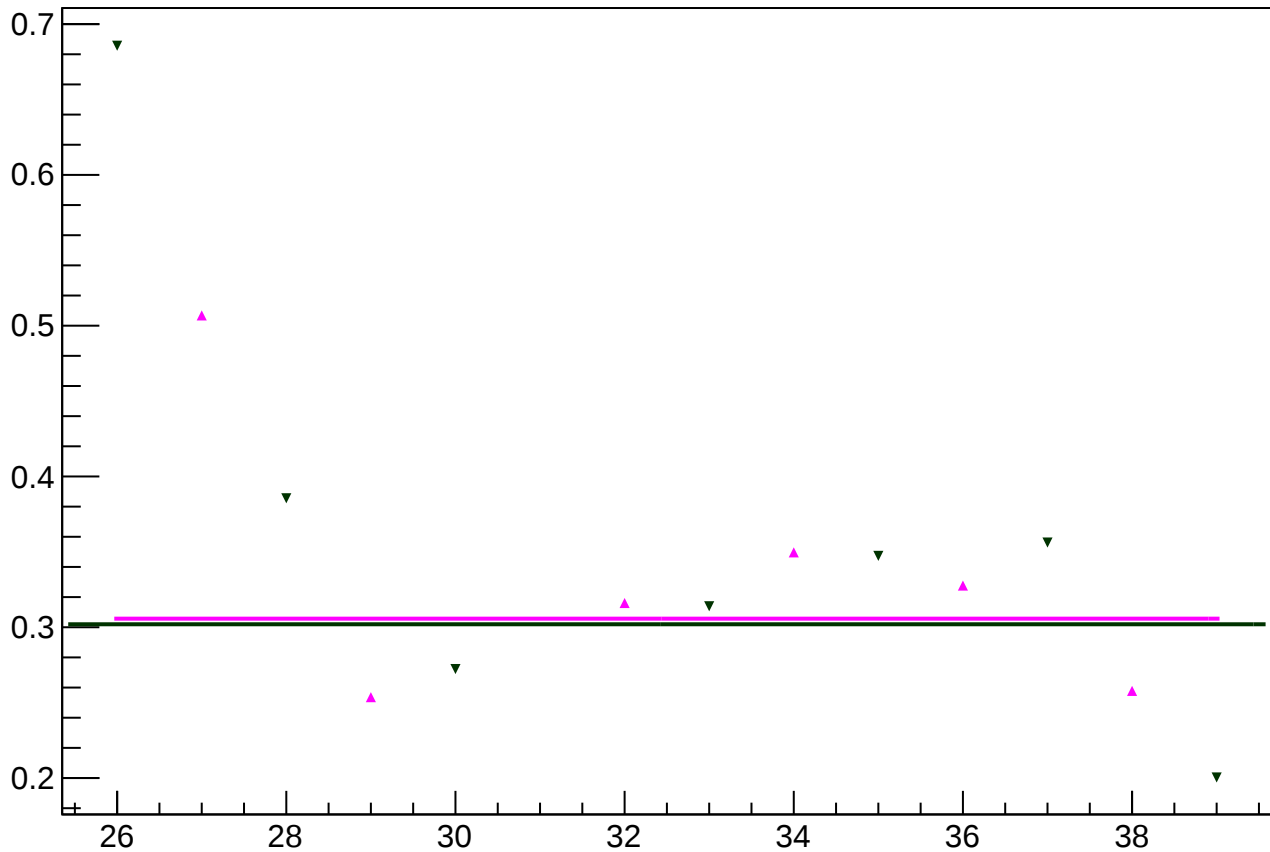
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 28.424+/-0.000  $\chi^2/\text{NDF}$ : 275773202.1/5

27.334+/-0.000  $\chi^2/\text{NDF}$ : 89365168.6/6

28.424+/-0.000  $\chi^2/\text{NDF}$ : 275773202.1/5

# yield\_sam4\_rms vs slug



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

Left Out: 0.302+/-0.000  $\chi^2/\text{NDF}$ : 627237.6/6

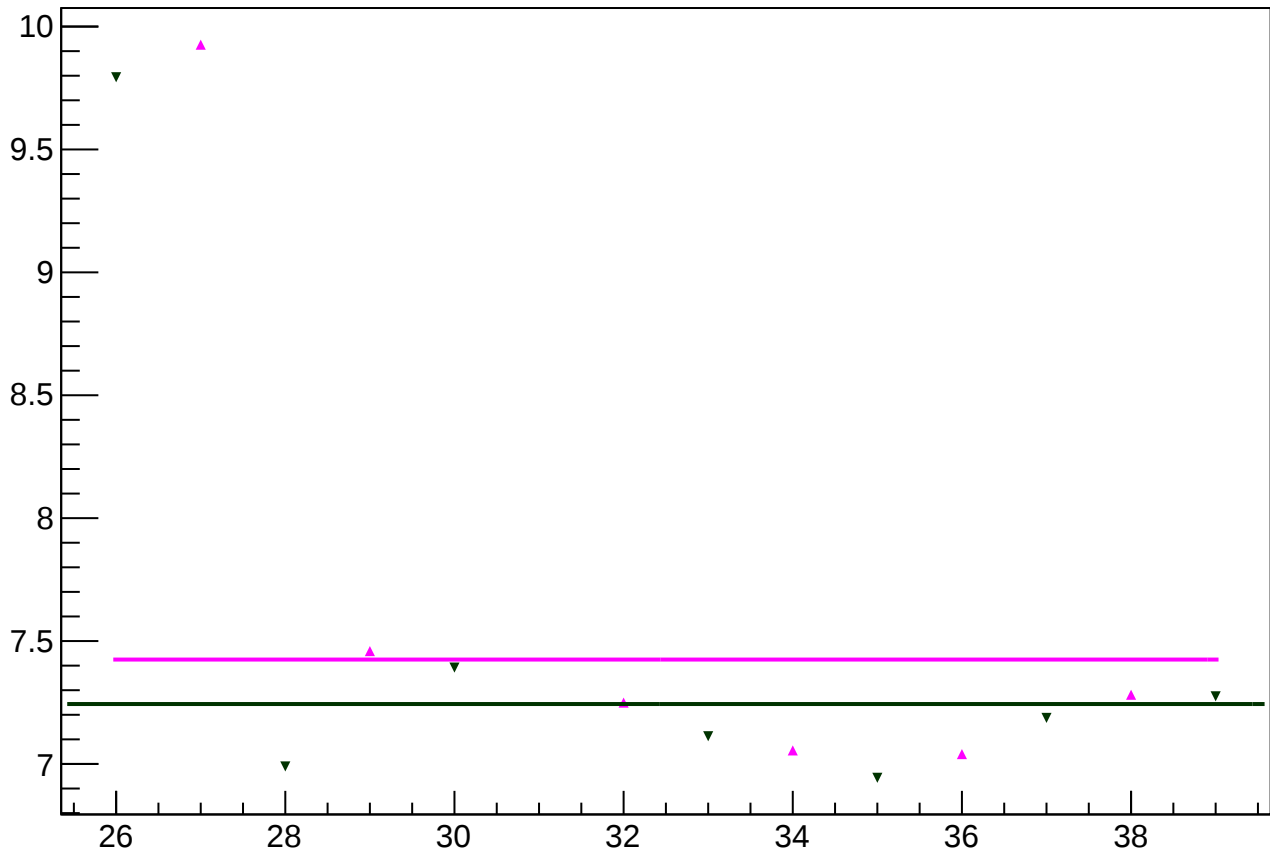
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.306+/-0.000  $\chi^2/\text{NDF}$ : 356342.6/5

0.302+/-0.000  $\chi^2/\text{NDF}$ : 627237.6/6

0.306+/-0.000  $\chi^2/\text{NDF}$ : 356342.6/5

# yield\_sam5\_mean vs slug



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

Left Out: 7.244+/-0.000  $\chi^2/\text{NDF}$ :2304749138.8/6

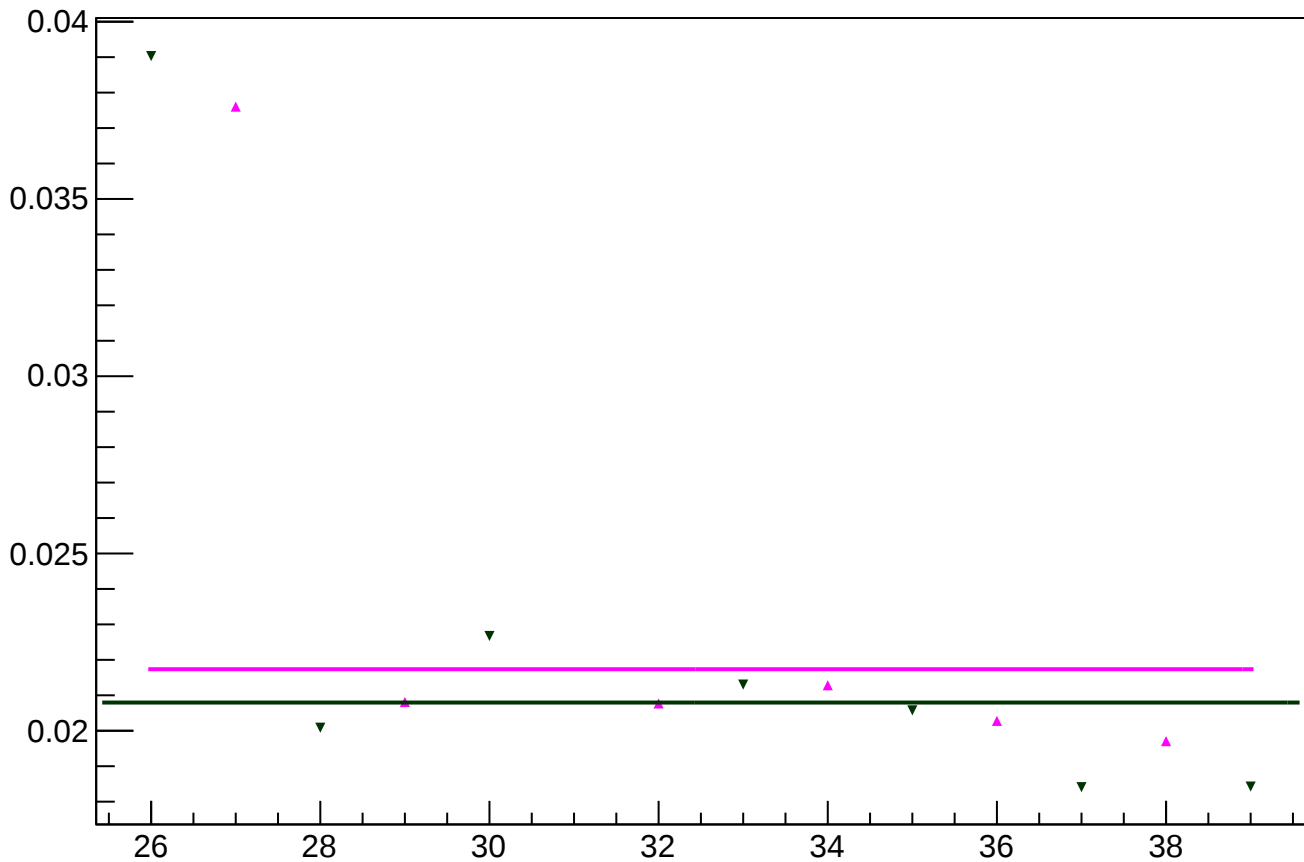
7.244+/-0.000  $\chi^2/\text{NDF}$ : 2304749138.8/6

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

7.425+/-0.000  $\chi^2/\text{NDF}$ : 3745639254.8/5

Left In: 7.425+/-0.000  $\chi^2/\text{NDF}$ :3745639254.8/5

# yield\_sam5\_rms vs slug



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

Left Out: 0.021+/-0.000  $\chi^2/\text{NDF}$ : 250673.6/6

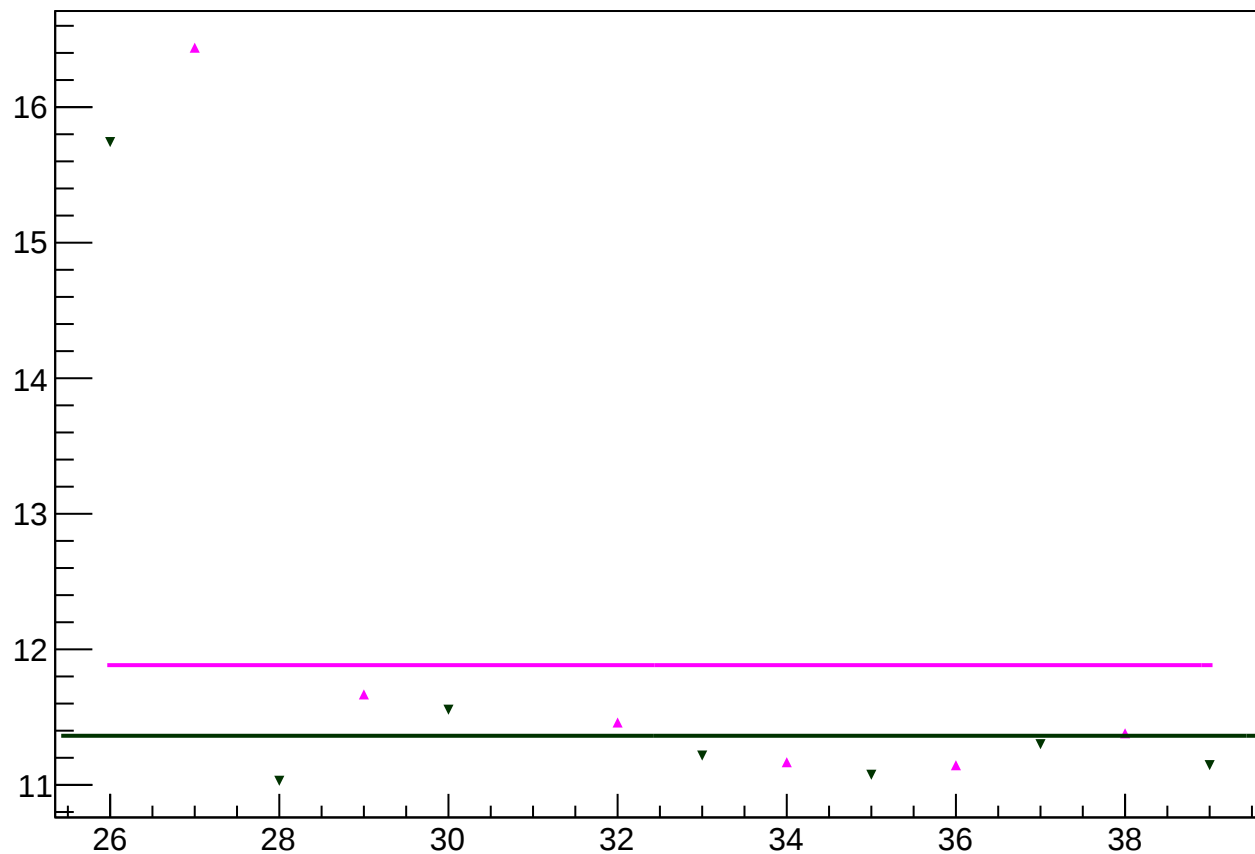
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.022+/-0.000  $\chi^2/\text{NDF}$ : 291124.4/5

0.021+/-0.000  $\chi^2/\text{NDF}$ : 250673.6/6

0.022+/-0.000  $\chi^2/\text{NDF}$ : 291124.4/5

# yield\_sam6\_mean vs slug



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

Left Out: 11.362+/-0.000  $\chi^2/\text{NDF}$ : 446848513.3/6

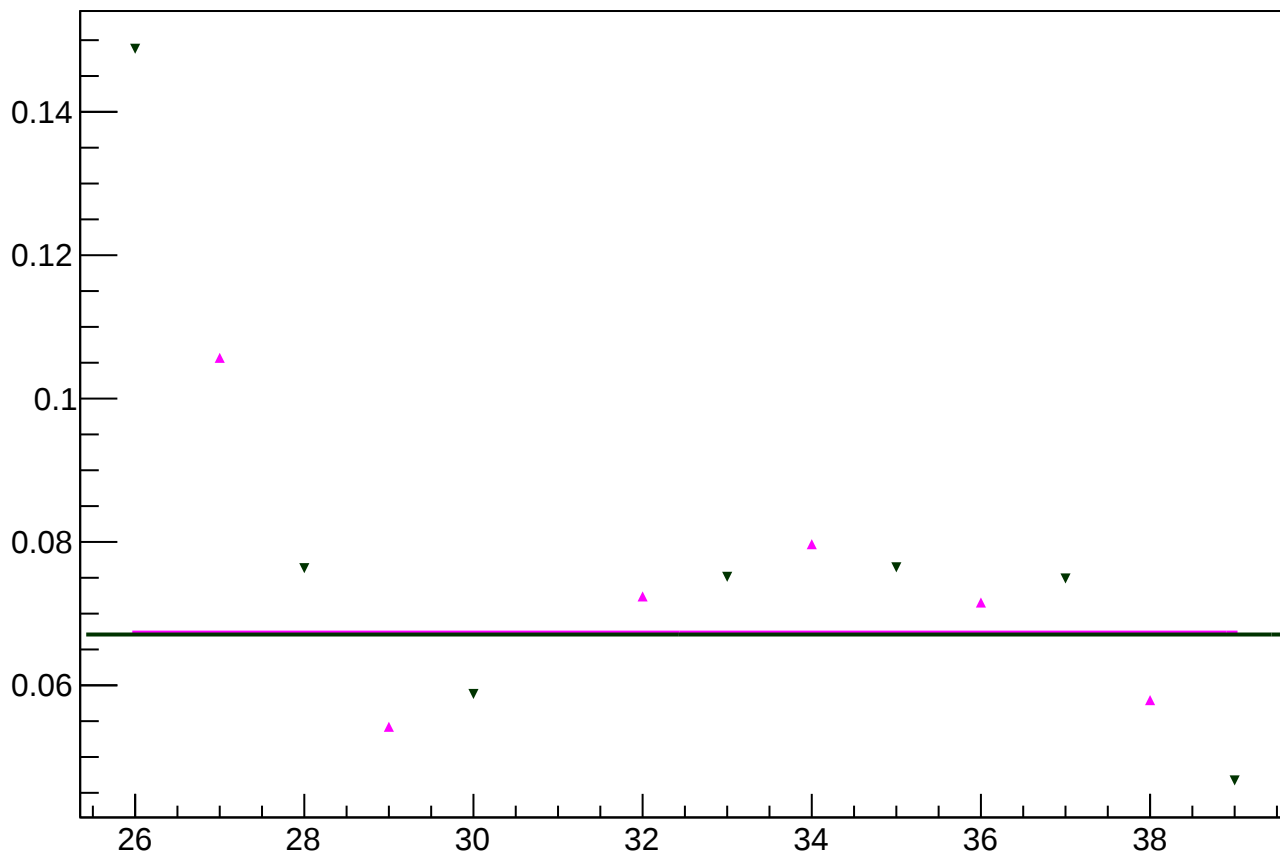
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 11.883+/-0.000  $\chi^2/\text{NDF}$ : 1611598253.4/5

11.362+/-0.000  $\chi^2/\text{NDF}$ : 446848513.3/6

11.883+/-0.000  $\chi^2/\text{NDF}$ : 1611598253.4/5

# yield\_sam6\_rms vs slug



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

Left Out: 0.067+/-0.000  $\chi^2/\text{NDF}$ : 518789.5/6

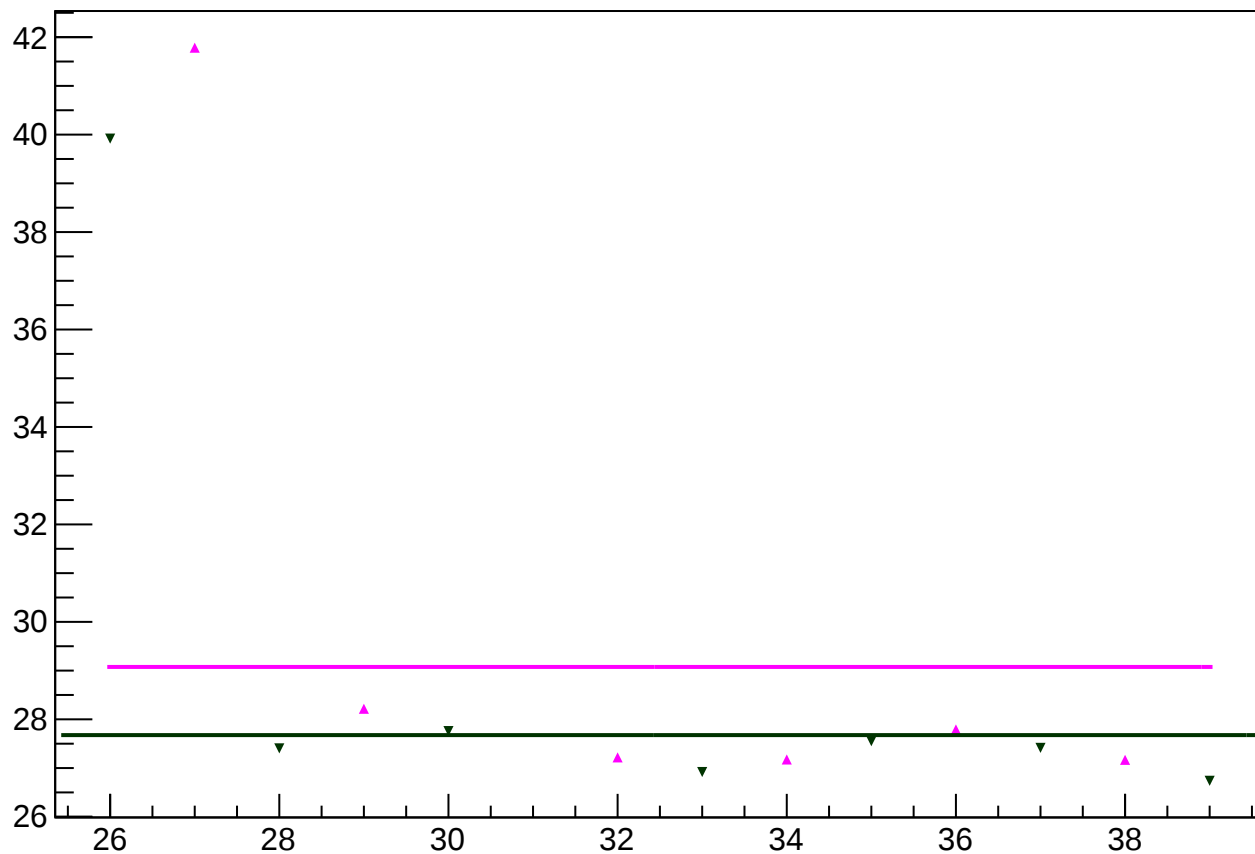
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.067+/-0.000  $\chi^2/\text{NDF}$ : 355411.1/5

0.067+/-0.000  $\chi^2/\text{NDF}$ : 518789.5/6

0.067+/-0.000  $\chi^2/\text{NDF}$ : 355411.1/5

# yield\_sam7\_mean vs slug



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

Left Out: 27.676+/-0.000  $\chi^2/\text{NDF}$ : 1752632586.2/6

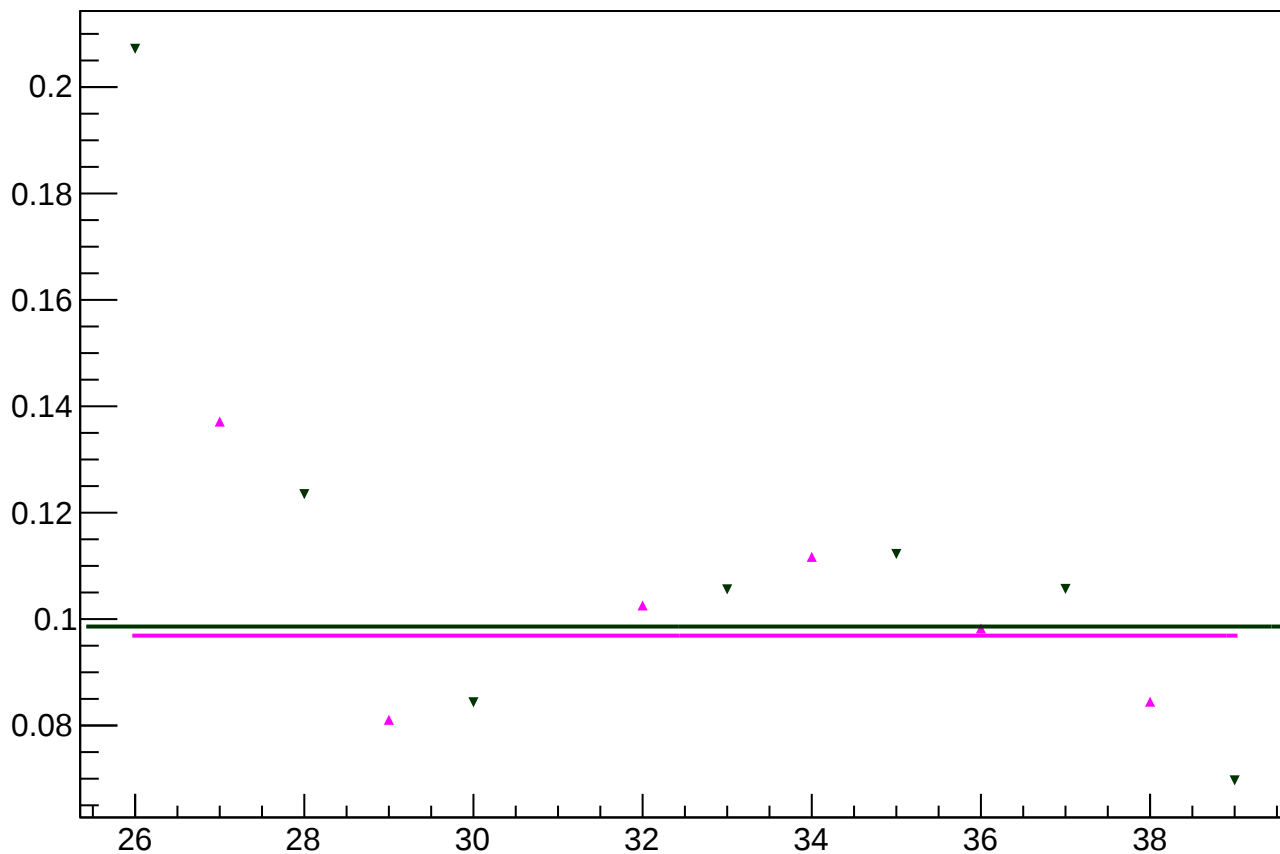
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 29.075+/-0.000  $\chi^2/\text{NDF}$ : 7212413573.4/5

27.676+/-0.000  $\chi^2/\text{NDF}$ : 1752632586.2/6

29.075+/-0.000  $\chi^2/\text{NDF}$ : 7212413573.4/5

# yield\_sam7\_rms vs slug



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

Left Out: 0.099+/-0.000  $\chi^2/\text{NDF}$ : 500299.3/6

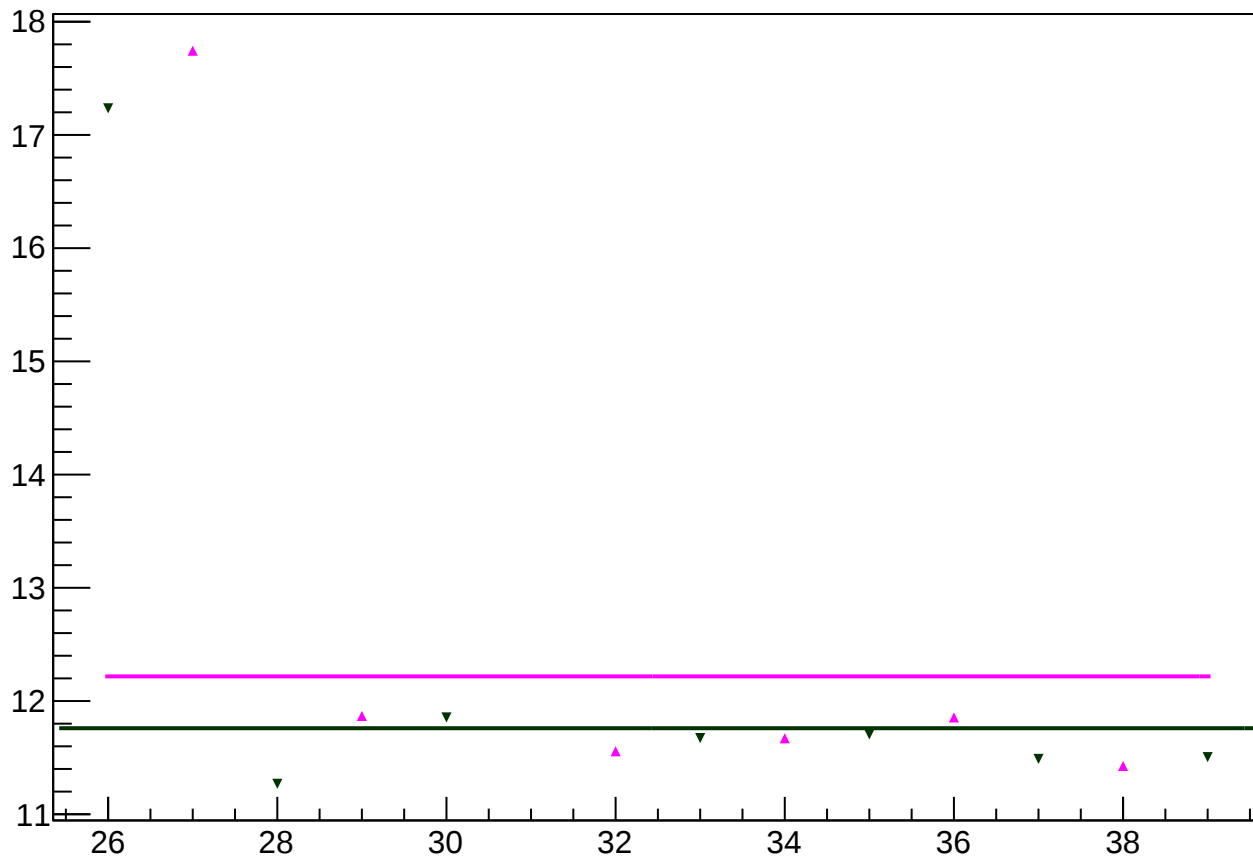
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.097+/-0.000  $\chi^2/\text{NDF}$ : 229147.6/5

0.099+/-0.000  $\chi^2/\text{NDF}$ : 500299.3/6

0.097+/-0.000  $\chi^2/\text{NDF}$ : 229147.6/5

# yield\_sam8\_mean vs slug



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

Left Out: 11.760+/-0.000  $\chi^2/\text{NDF}$ :1537073880.2/6

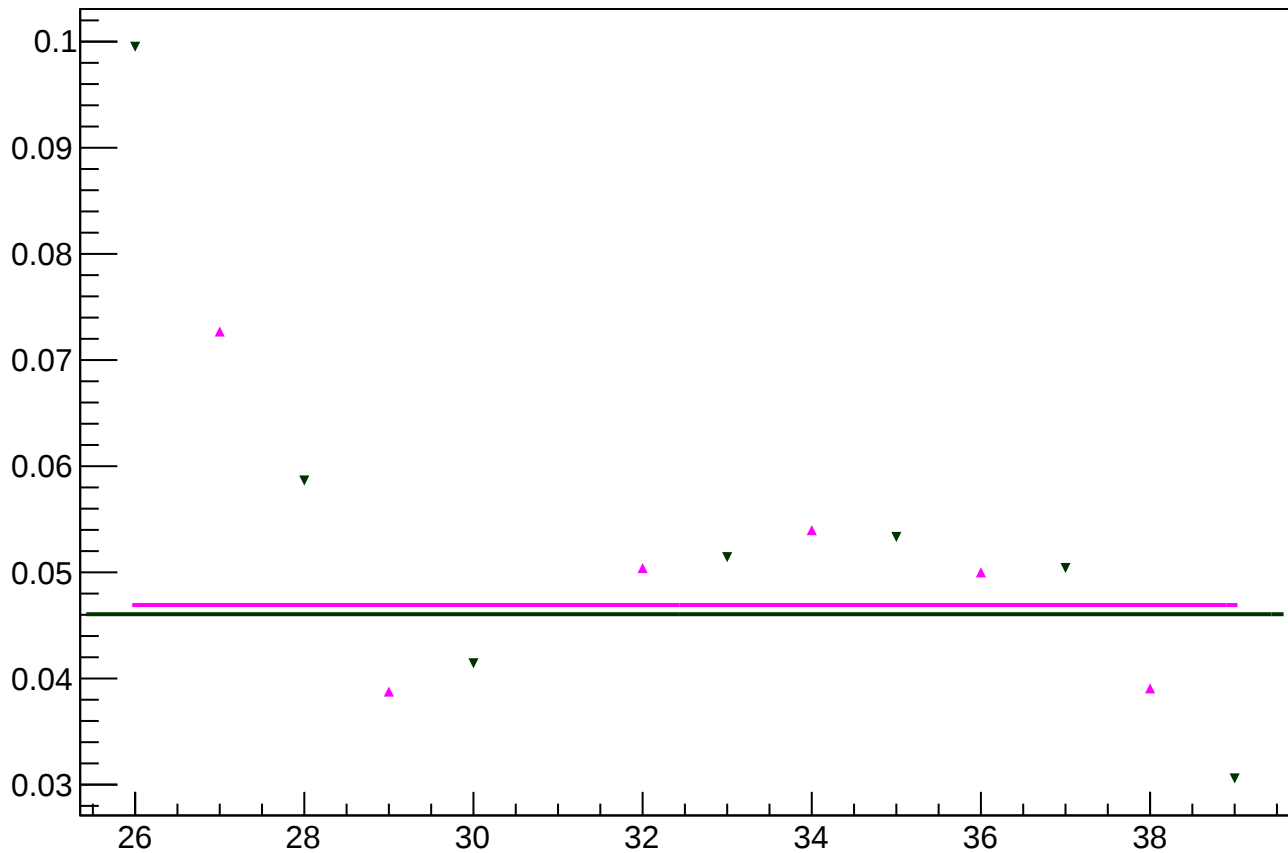
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 12.218+/-0.000  $\chi^2/\text{NDF}$ :4931669922.9/5

11.760+/-0.000  $\chi^2/\text{NDF}$ : 1537073880.2/6

12.218+/-0.000  $\chi^2/\text{NDF}$ : 4931669922.9/5

# yield\_sam8\_rms vs slug



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

Left Out: 0.046+/-0.000  $\chi^2/\text{NDF}$ : 599261.2/6

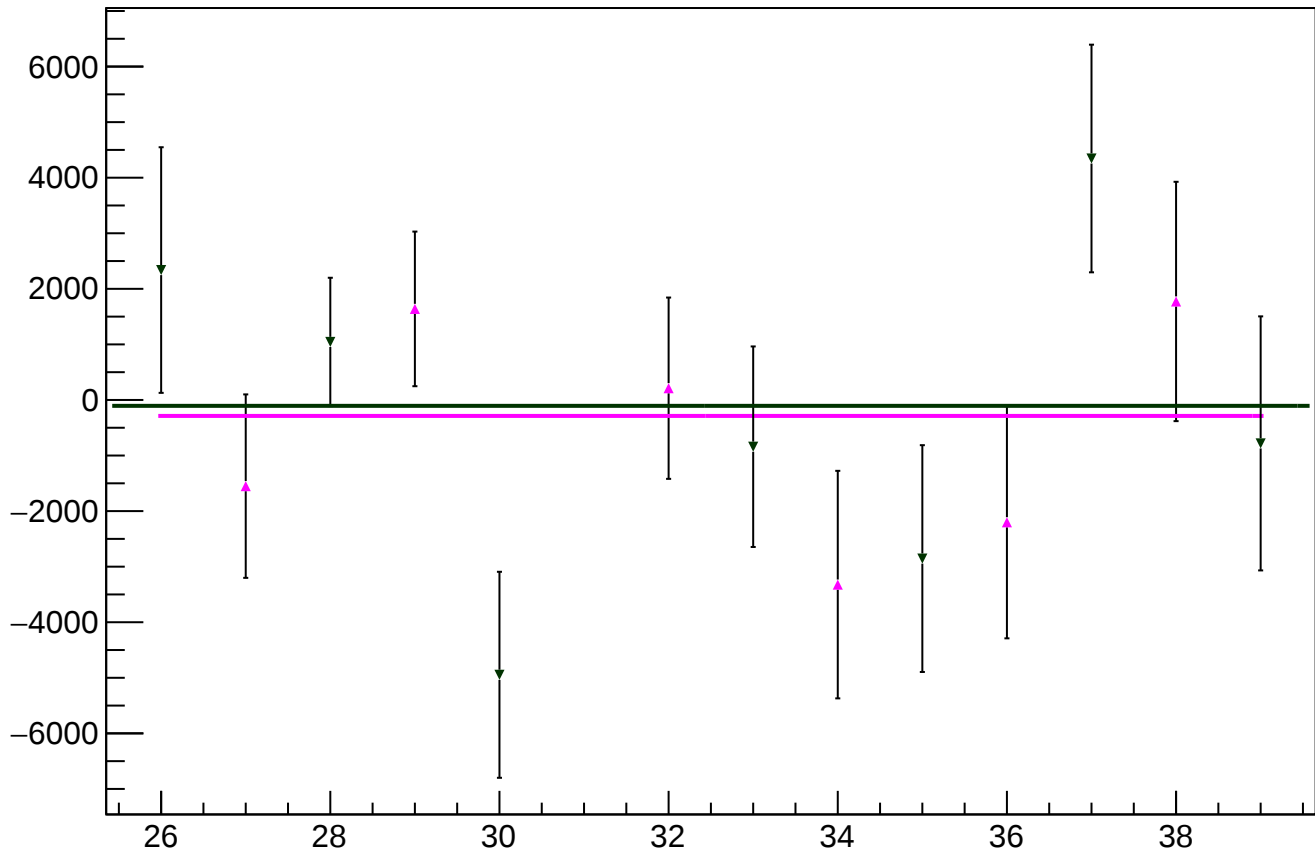
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.047+/-0.000  $\chi^2/\text{NDF}$ : 328590.1/5

0.046+/-0.000  $\chi^2/\text{NDF}$ : 599261.2/6

0.047+/-0.000  $\chi^2/\text{NDF}$ : 328590.1/5

# cor\_sam1\_mean vs slug



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

Left Out: -105.744+/-670.761  $\chi^2/\text{NDF}$ : 15.8/6

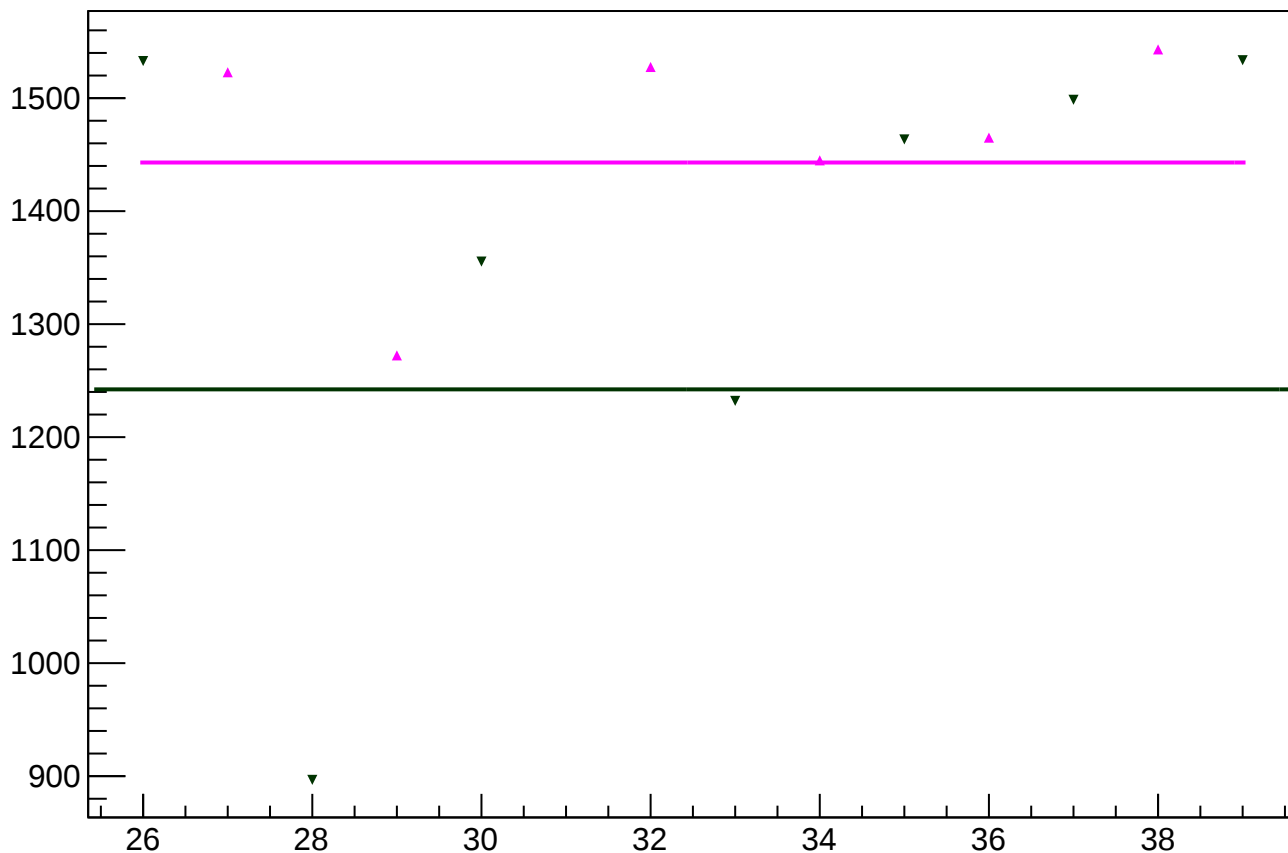
-105.744+/-670.761  $\chi^2/\text{NDF}$ : 15.8/6

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

-287.117+/-717.484  $\chi^2/\text{NDF}$ : 6.5/5

Left In: -287.117+/-717.484  $\chi^2/\text{NDF}$ : 6.5/5

# cor\_sam1\_rms vs slug



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

Left Out: 1242.278+/-0.474  $\chi^2/\text{NDF}$ : 308475.0/6

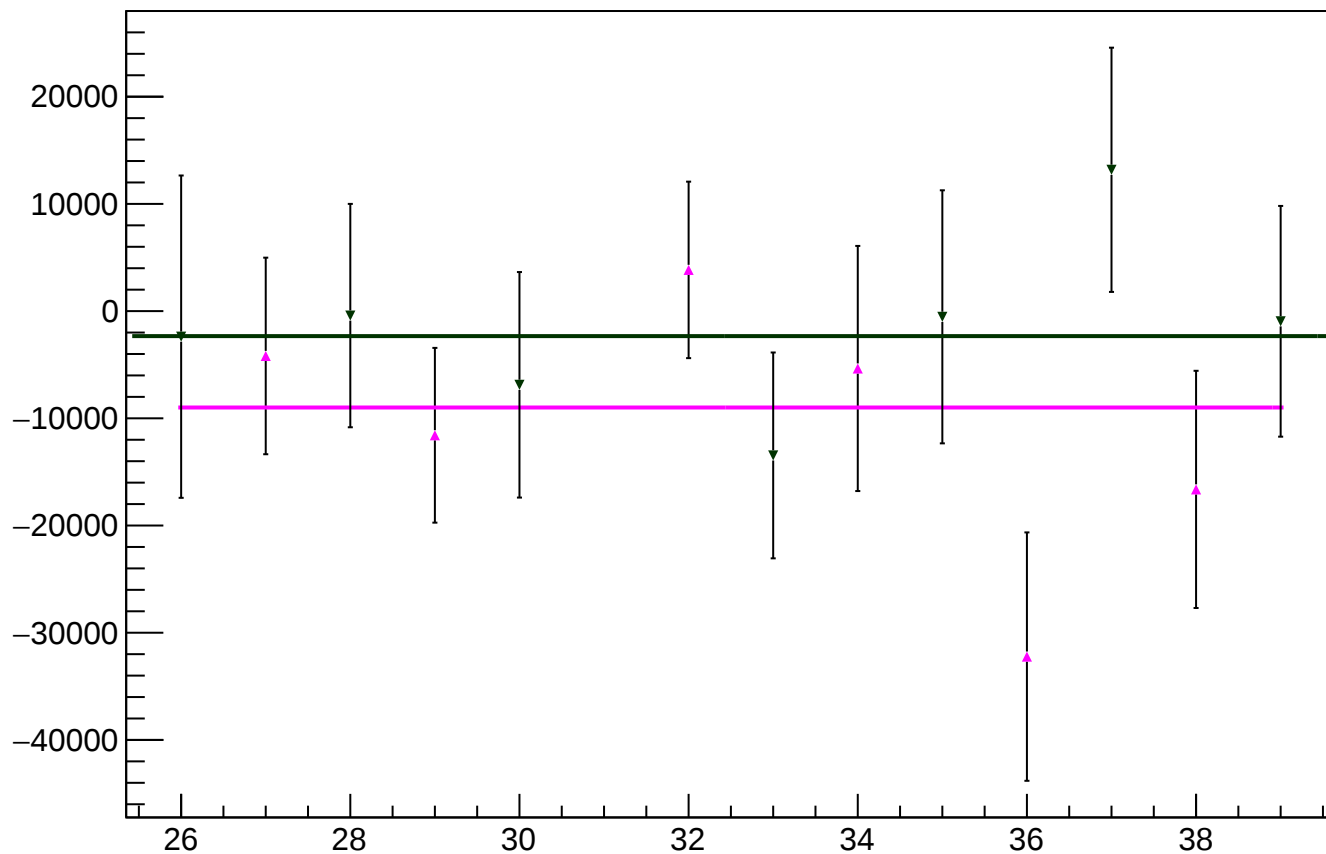
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1443.036+/-0.507  $\chi^2/\text{NDF}$ : 44698.1/5

1242.278+/-0.474  $\chi^2/\text{NDF}$ : 308475.0/6

1443.036+/-0.507  $\chi^2/\text{NDF}$ : 44698.1/5

# cor\_sam2\_mean vs slug



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

Left Out: -2332.161+/-4186.855  $\chi^2/\text{NDF}$ : 3.5/6

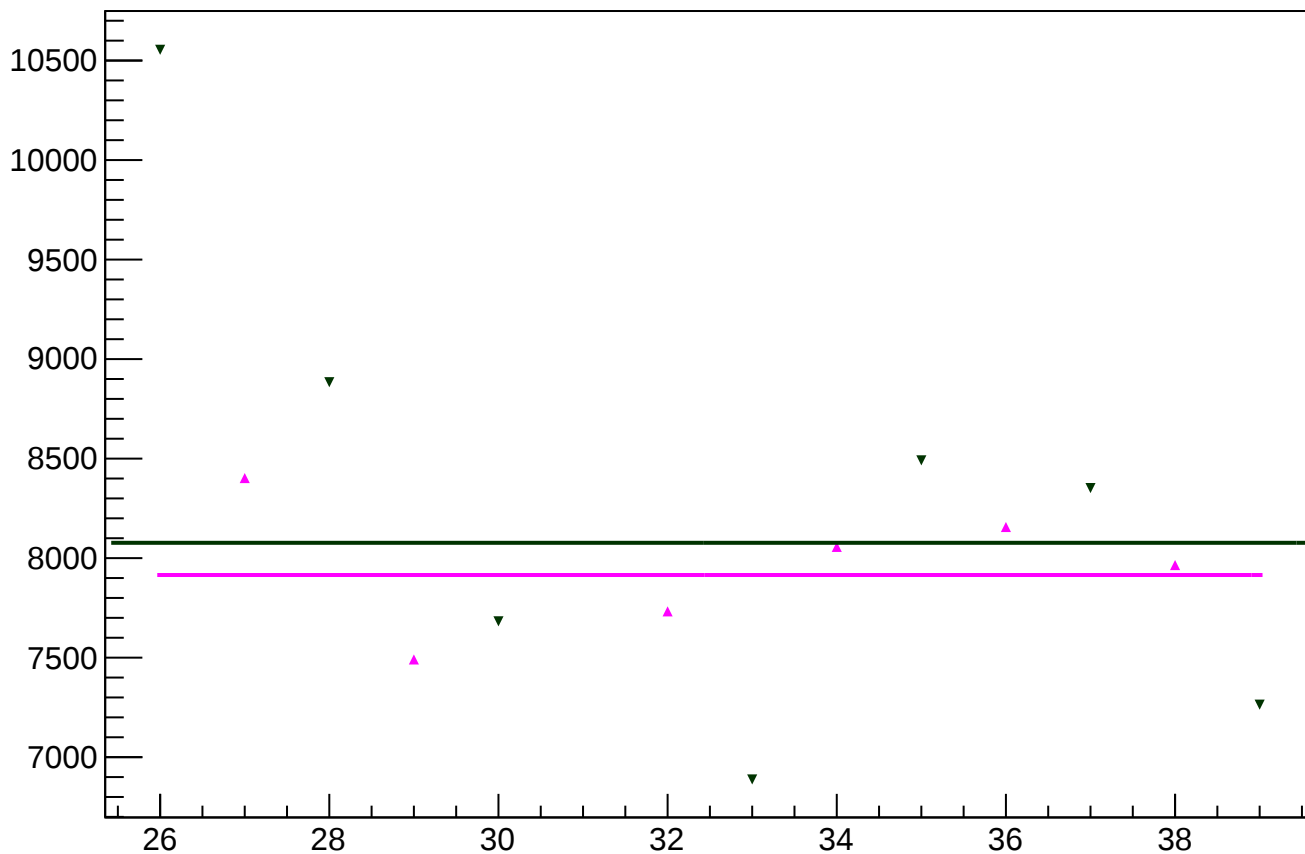
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -8991.664+/-3922.769  $\chi^2/\text{NDF}$ : 7.4/5

-2332.161+/-4186.855  $\chi^2/\text{NDF}$ : 3.5/6

-8991.664+/-3922.769  $\chi^2/\text{NDF}$ : 7.4/5

# cor\_sam2\_rms vs slug



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

Left Out: 8077.035+/-2.961  $\chi^2/\text{NDF}$ : 114829.1/6

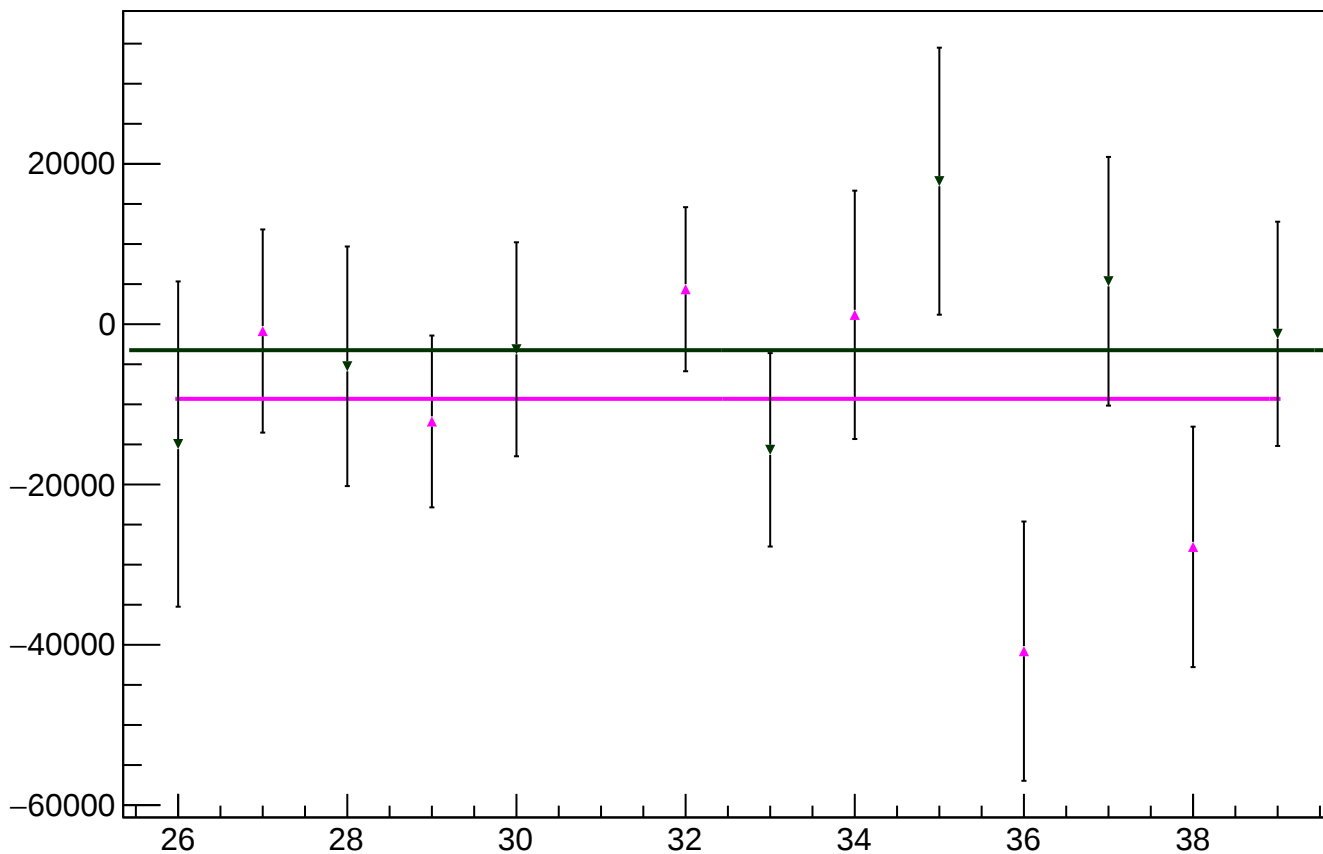
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 7915.228+/-2.774  $\chi^2/\text{NDF}$ : 13262.0/5

8077.035+/-2.961  $\chi^2/\text{NDF}$ : 114829.1/6

7915.228+/-2.774  $\chi^2/\text{NDF}$ : 13262.0/5

# cor\_sam3\_mean vs slug



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

Left Out: -3243.574+/-5568.174  $\chi^2/\text{NDF}$ : 3.3/6

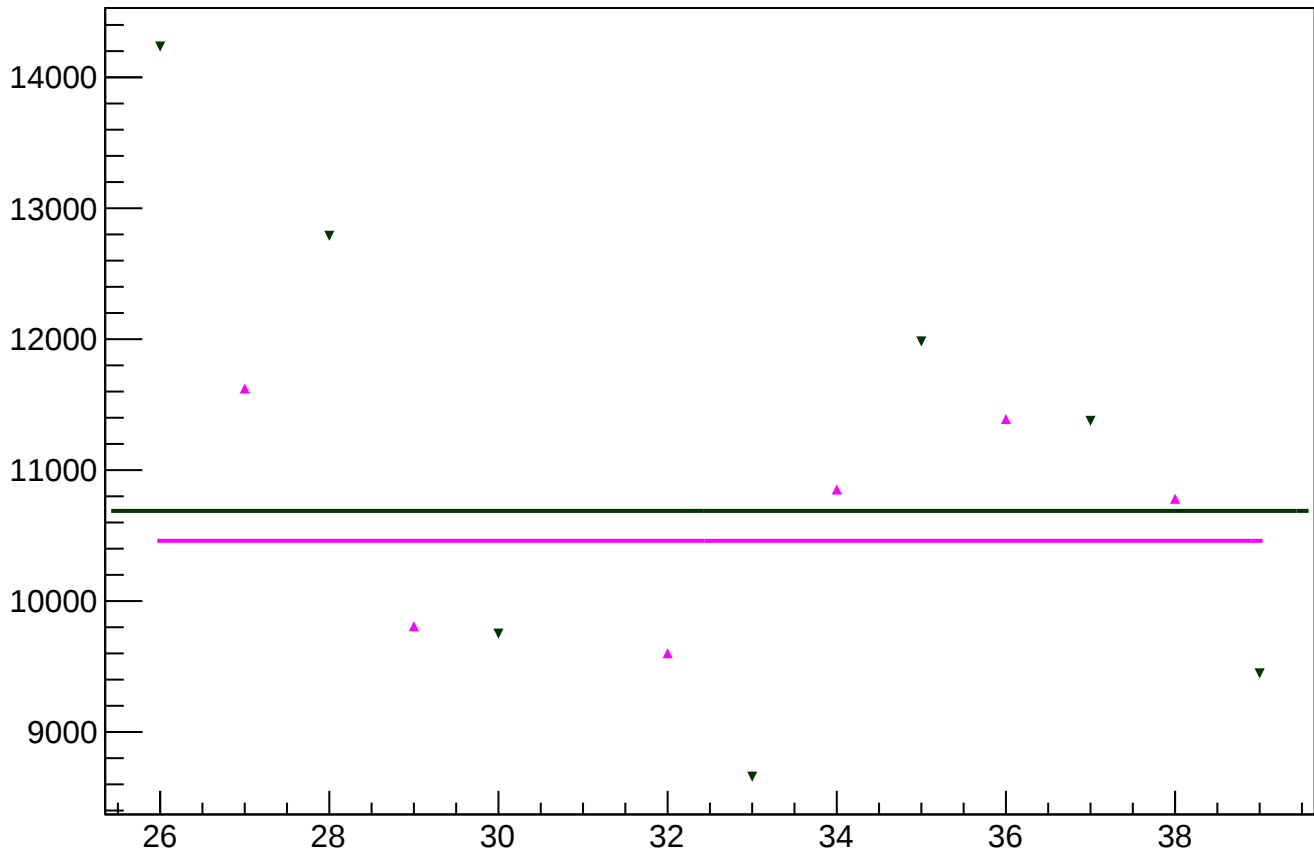
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -9314.830+/-5205.115  $\chi^2/\text{NDF}$ : 8.1/5

-3243.574+/-5568.174  $\chi^2/\text{NDF}$ : 3.3/6

-9314.830+/-5205.115  $\chi^2/\text{NDF}$ : 8.1/5

# cor\_sam3\_rms vs slug



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

Left Out: 10688.626+/-3.937  $\chi^2/\text{NDF}$ :198810.2/6

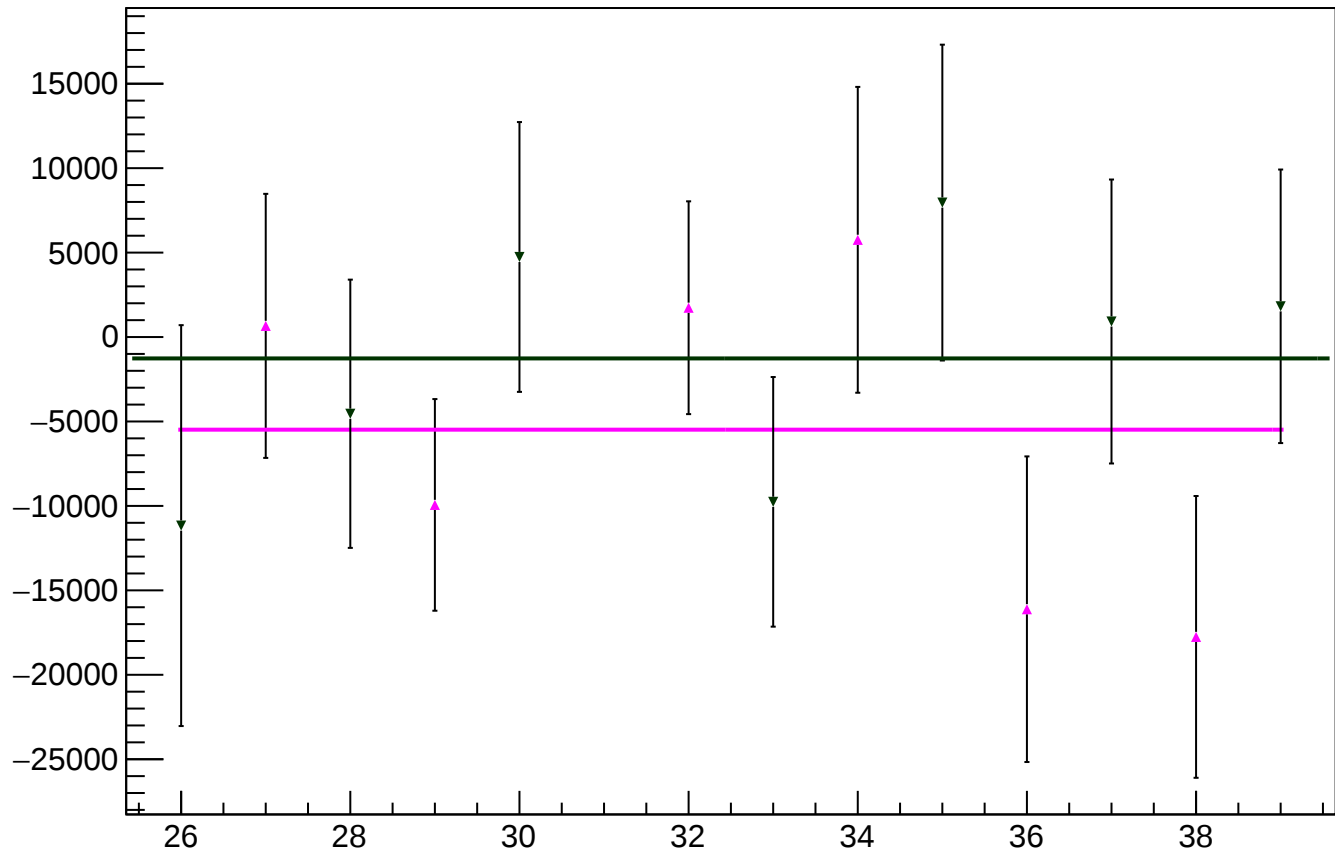
10688.626+/-3.937  $\chi^2/\text{NDF}$ : 198810.2/6

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

10460.004+/-3.681  $\chi^2/\text{NDF}$ : 47146.9/5

Left In: 10460.004+/-3.681  $\chi^2/\text{NDF}$ :47146.9/5

# cor\_sam4\_mean vs slug



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

Left Out: -1266.464+/-3198.411  $\chi^2/\text{NDF}$ : 3.9/6

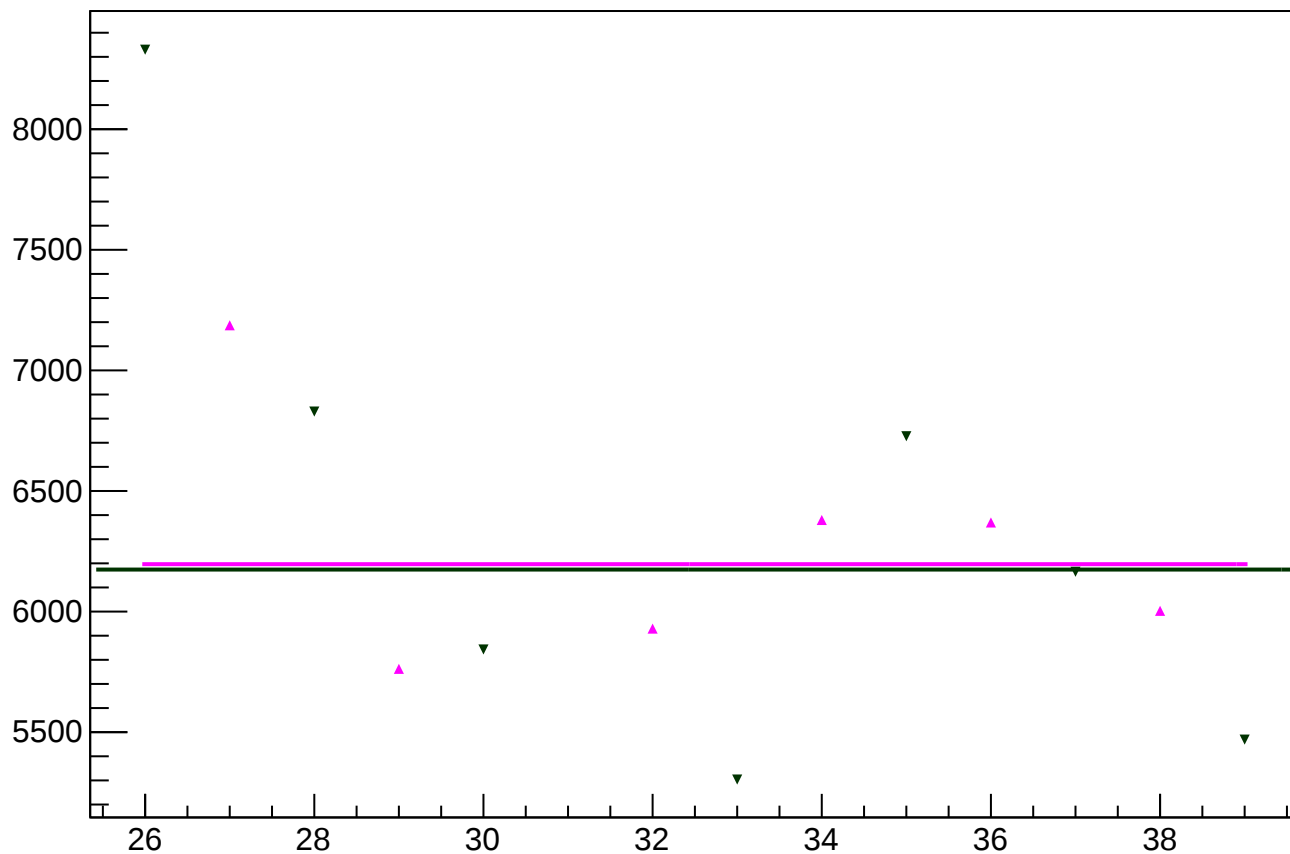
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -5485.210+/-3074.455  $\chi^2/\text{NDF}$ : 7.5/5

-1266.464+/-3198.411  $\chi^2/\text{NDF}$ : 3.9/6

-5485.210+/-3074.455  $\chi^2/\text{NDF}$ : 7.5/5

# cor\_sam4\_rms vs slug



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

Left Out: 6174.222+/-2.262  $\chi^2/\text{NDF}$ :132897.5/6

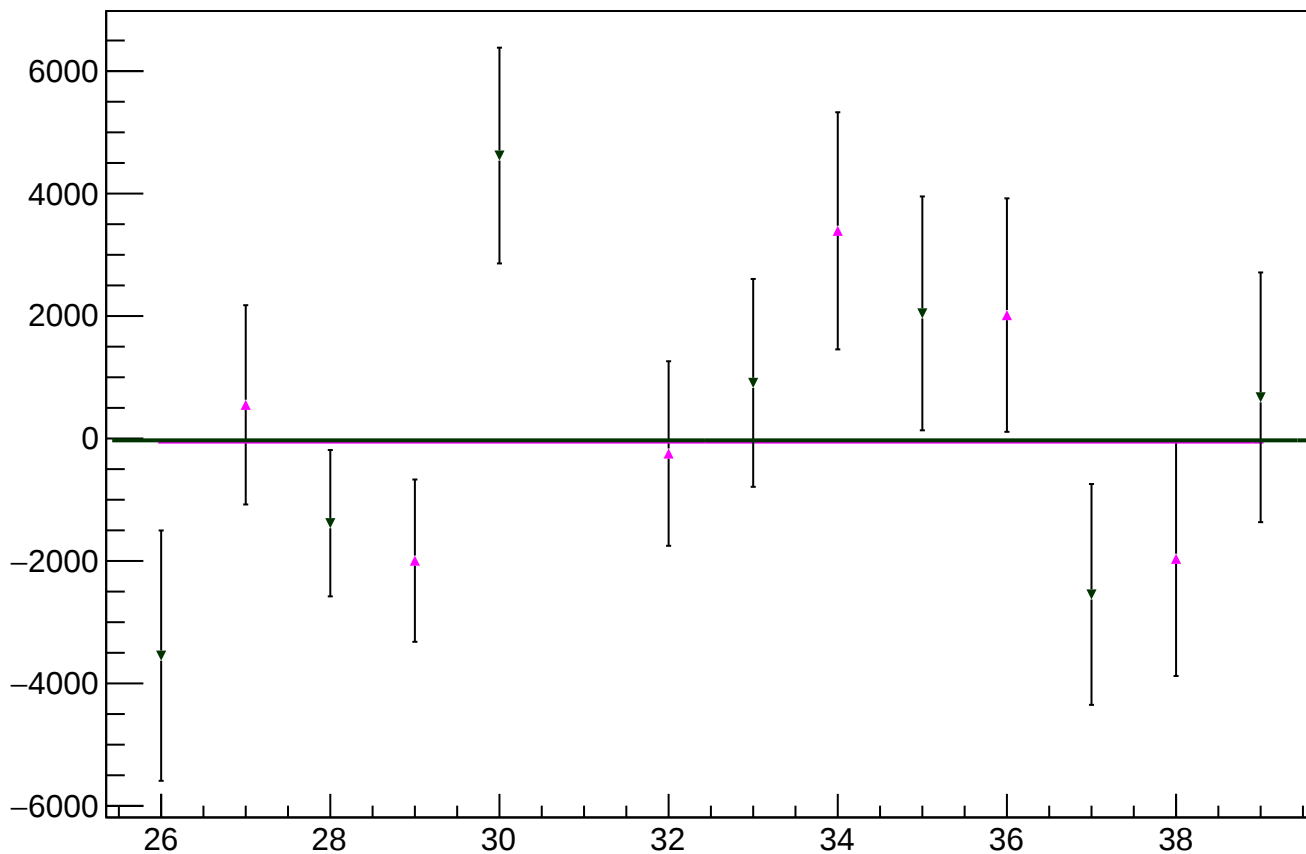
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 6196.536+/-2.174  $\chi^2/\text{NDF}$ :47914.6/5

6174.222+/-2.262  $\chi^2/\text{NDF}$ : 132897.5/6

6196.536+/-2.174  $\chi^2/\text{NDF}$ : 47914.6/5

# cor\_sam5\_mean vs slug



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

Left Out: -30.184+/-641.429  $\chi^2/\text{NDF}$ :14.8/6

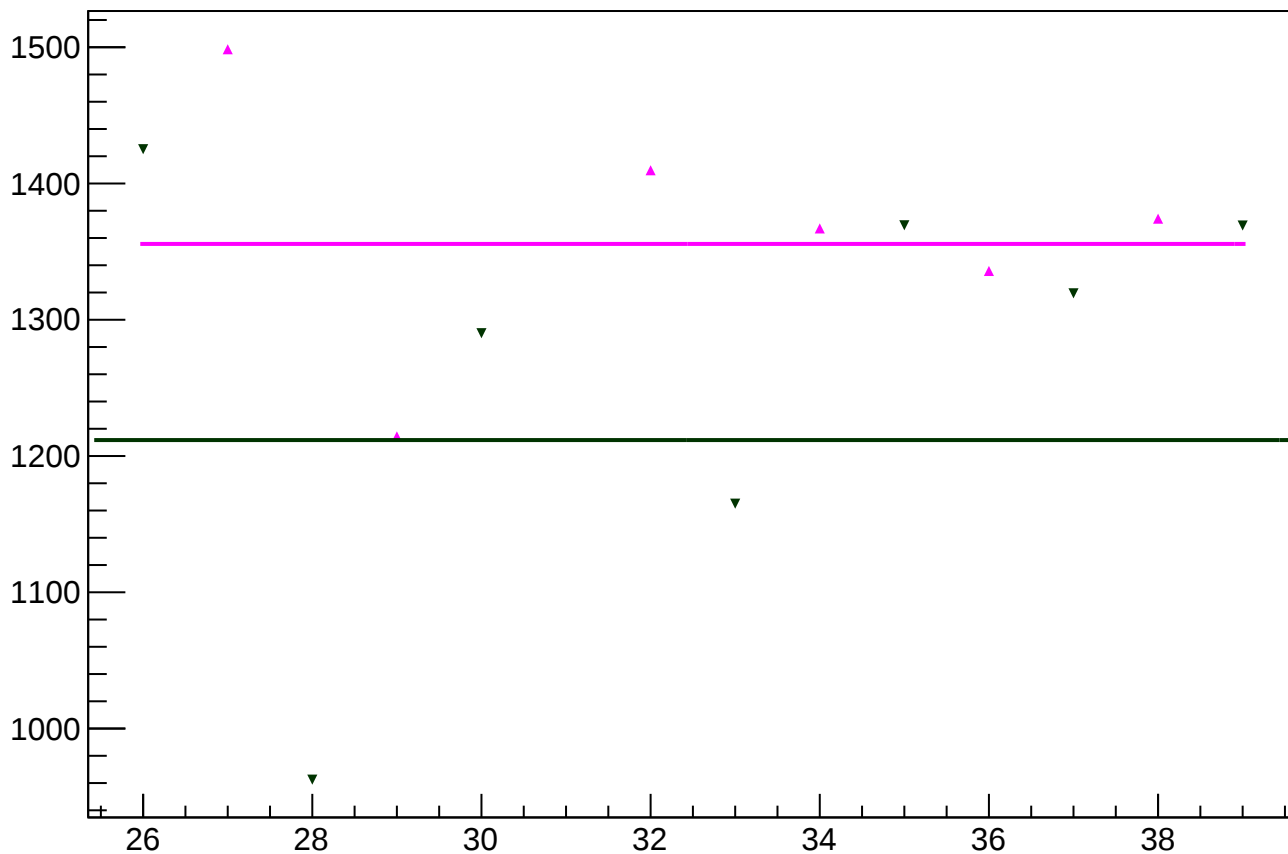
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -51.467+/-673.866  $\chi^2/\text{NDF}$ :7.6/5

-30.184+/-641.429  $\chi^2/\text{NDF}$ : 14.8/6

-51.467+/-673.866  $\chi^2/\text{NDF}$ : 7.6/5

# cor\_sam5\_rms vs slug



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

Left Out: 1211.709+/-0.454  $\chi^2$ /NDF:146886.8/6

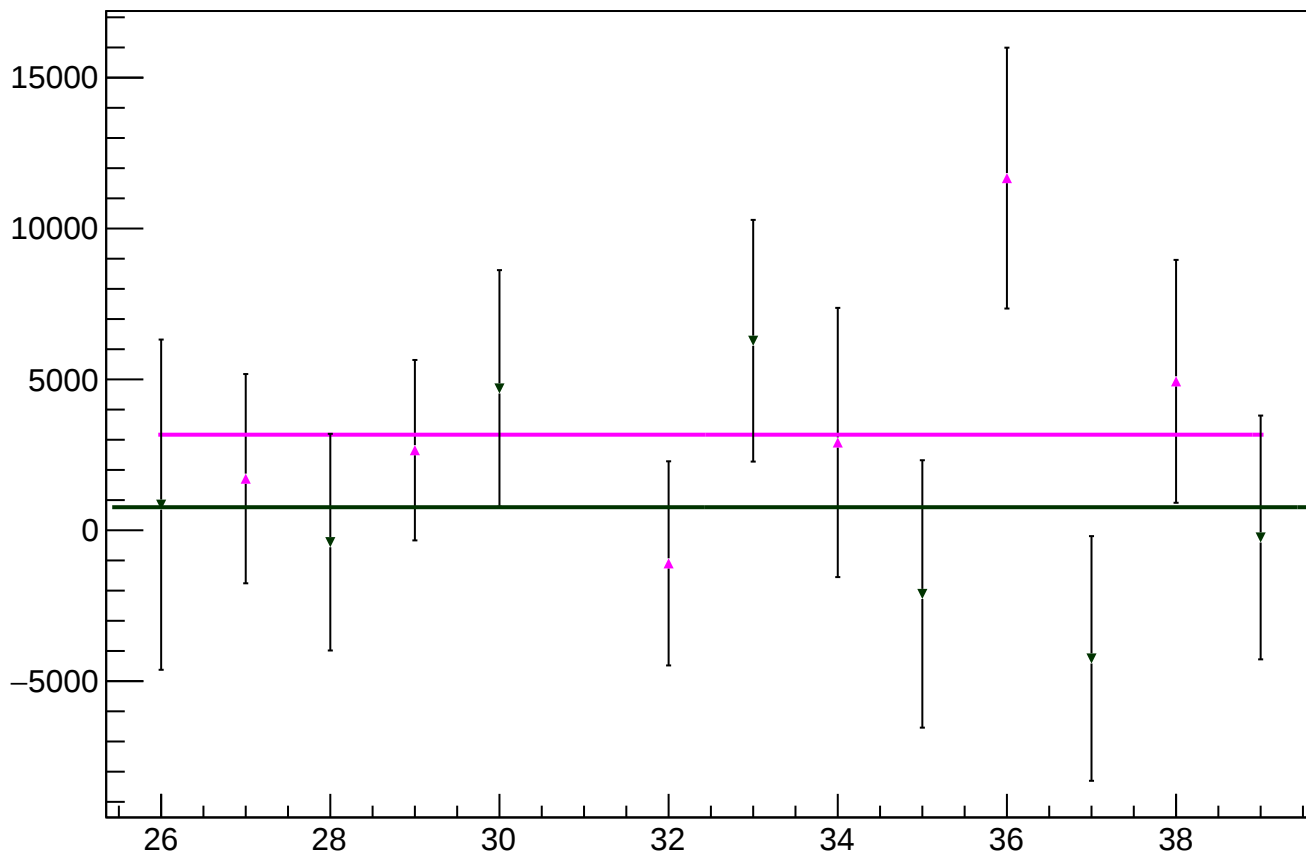
Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 1355.651+/-0.476  $\chi^2$ /NDF:41181.9/5

1211.709+/-0.454  $\chi^2$ /NDF: 146886.8/6

1355.651+/-0.476  $\chi^2$ /NDF: 41181.9/5

# cor\_sam6\_mean vs slug



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

Left Out: 764.313+/-1559.076  $\chi^2/\text{NDF}$ : 5.0/6

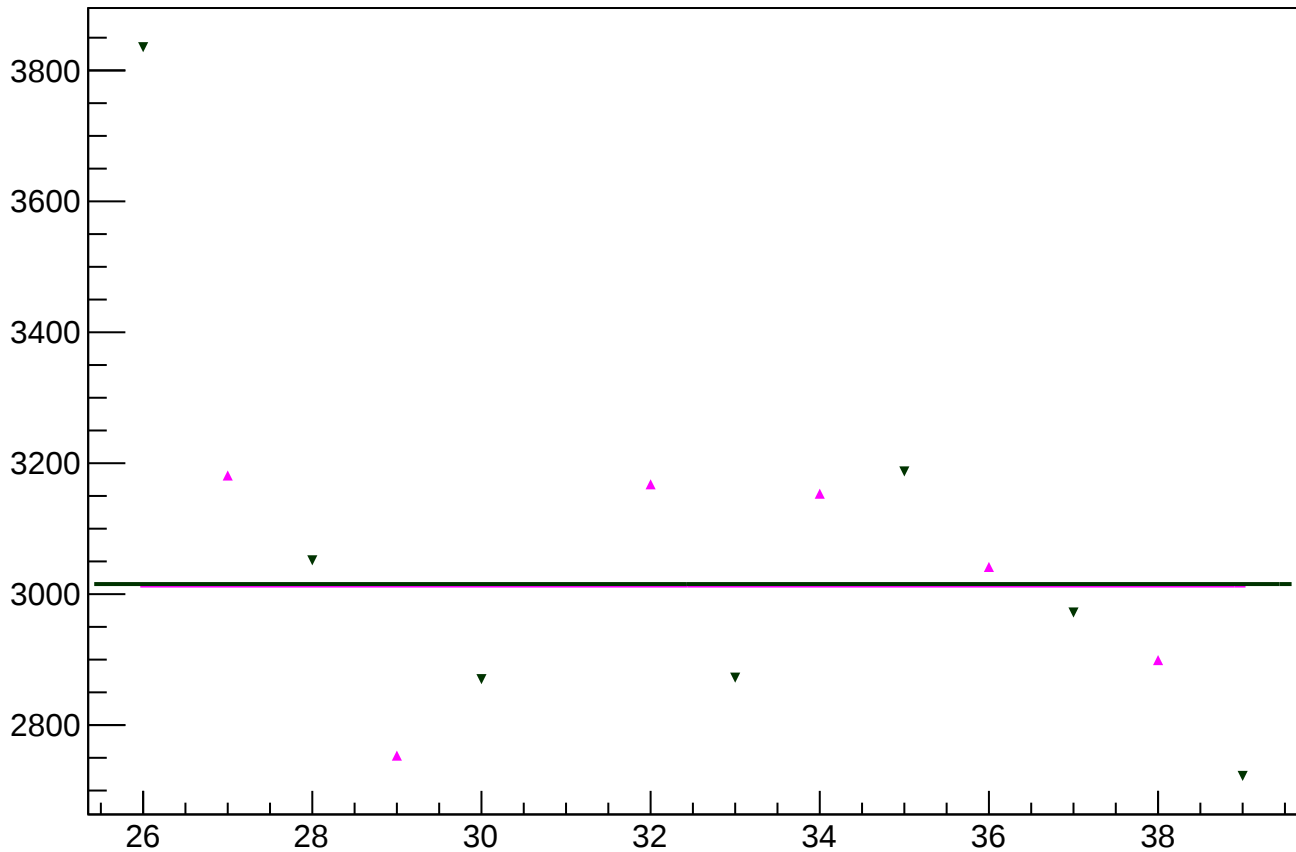
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3167.475+/-1494.116  $\chi^2/\text{NDF}$ : 5.9/5

764.313+/-1559.076  $\chi^2/\text{NDF}$ : 5.0/6

3167.475+/-1494.116  $\chi^2/\text{NDF}$ : 5.9/5

# cor\_sam6\_rms vs slug



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

Left Out: 3015.408+/-1.102  $\chi^2/\text{NDF}$ : 64188.6/6

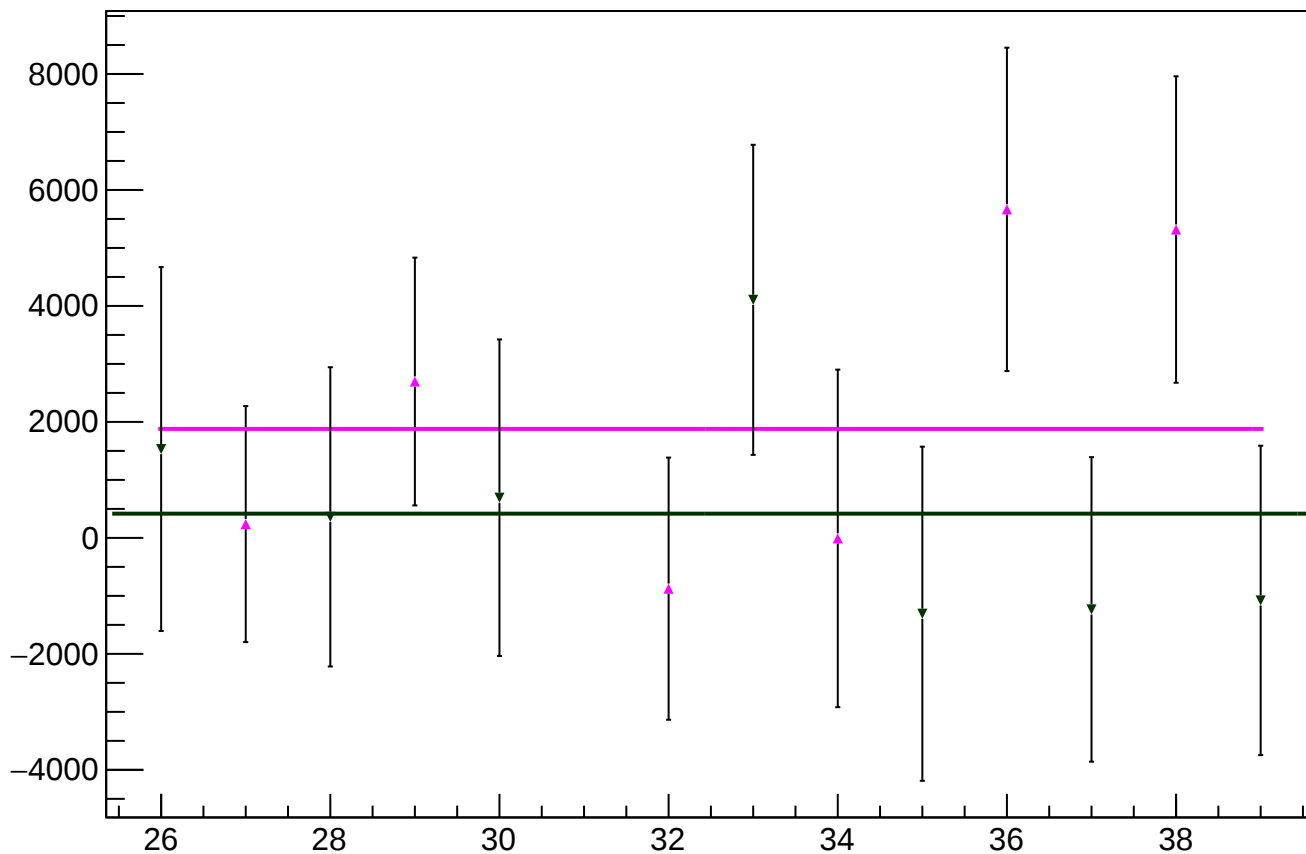
3015.408+/-1.102  $\chi^2/\text{NDF}$ : 64188.6/6

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

3013.077+/-1.056  $\chi^2/\text{NDF}$ : 27650.1/5

Left In: 3013.077+/-1.056  $\chi^2/\text{NDF}$ : 27650.1/5

# cor\_sam7\_mean vs slug



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

Left Out: 417.857+/-1035.830  $\chi^2/\text{NDF}$ : 3.1/6

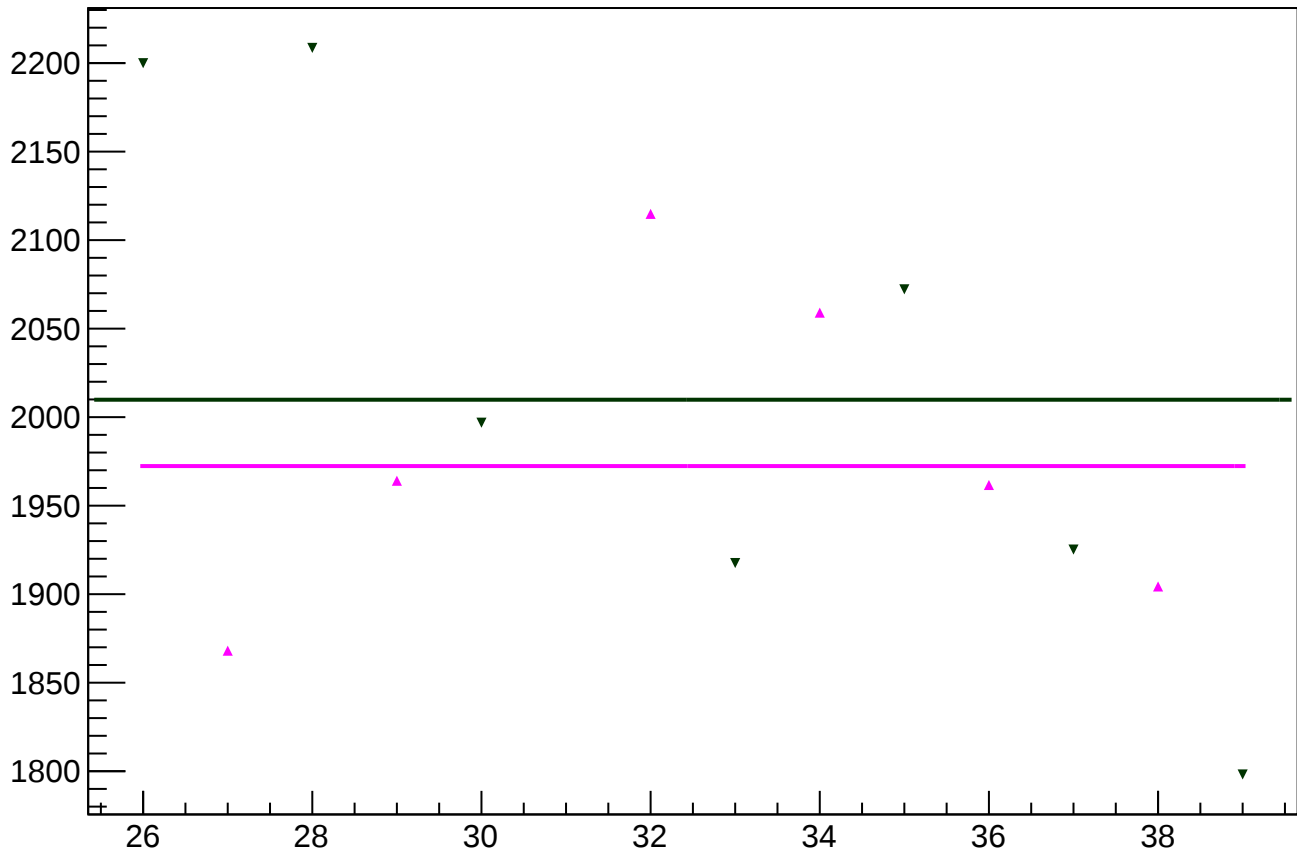
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1879.670+/-977.701  $\chi^2/\text{NDF}$ : 6.2/5

417.857+/-1035.830  $\chi^2/\text{NDF}$ : 3.1/6

1879.670+/-977.701  $\chi^2/\text{NDF}$ : 6.2/5

# cor\_sam7\_rms vs slug



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

Left Out: 2009.846+/-0.732  $\chi^2/\text{NDF}$ : 37244.0/6

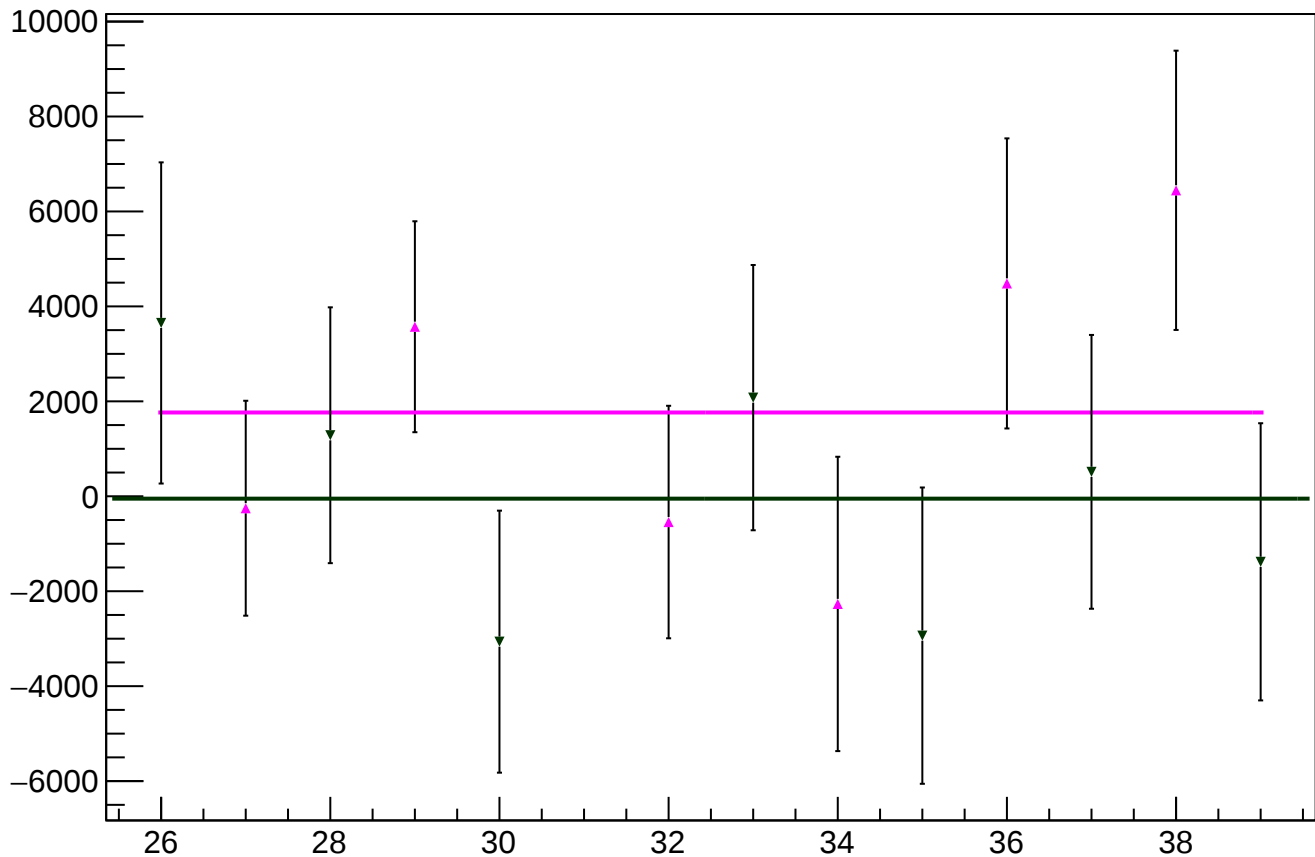
2009.846+/-0.732  $\chi^2/\text{NDF}$ : 37244.0/6

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

1972.366+/-0.691  $\chi^2/\text{NDF}$ : 16352.8/5

Left In: 1972.366+/-0.691  $\chi^2/\text{NDF}$ : 16352.8/5

# cor\_sam8\_mean vs slug



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

Left Out: -50.063+/-1101.150  $\chi^2/\text{NDF}$ : 4.3/6

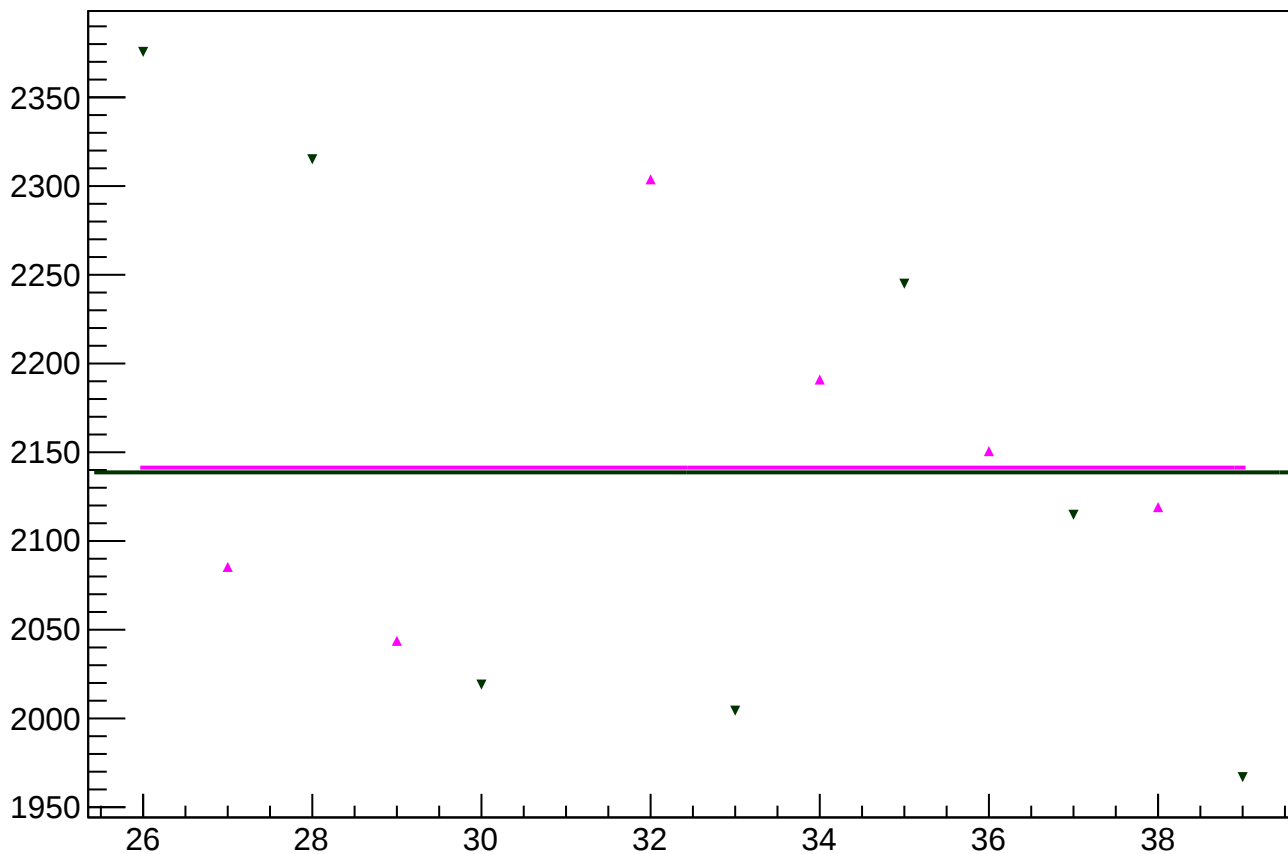
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1765.110+/-1059.274  $\chi^2/\text{NDF}$ : 7.4/5

-50.063+/-1101.150  $\chi^2/\text{NDF}$ : 4.3/6

1765.110+/-1059.274  $\chi^2/\text{NDF}$ : 7.4/5

# cor\_sam8\_rms vs slug



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

Left Out: 2138.662+/-0.779  $\chi^2/\text{NDF}$ : 36137.4/6

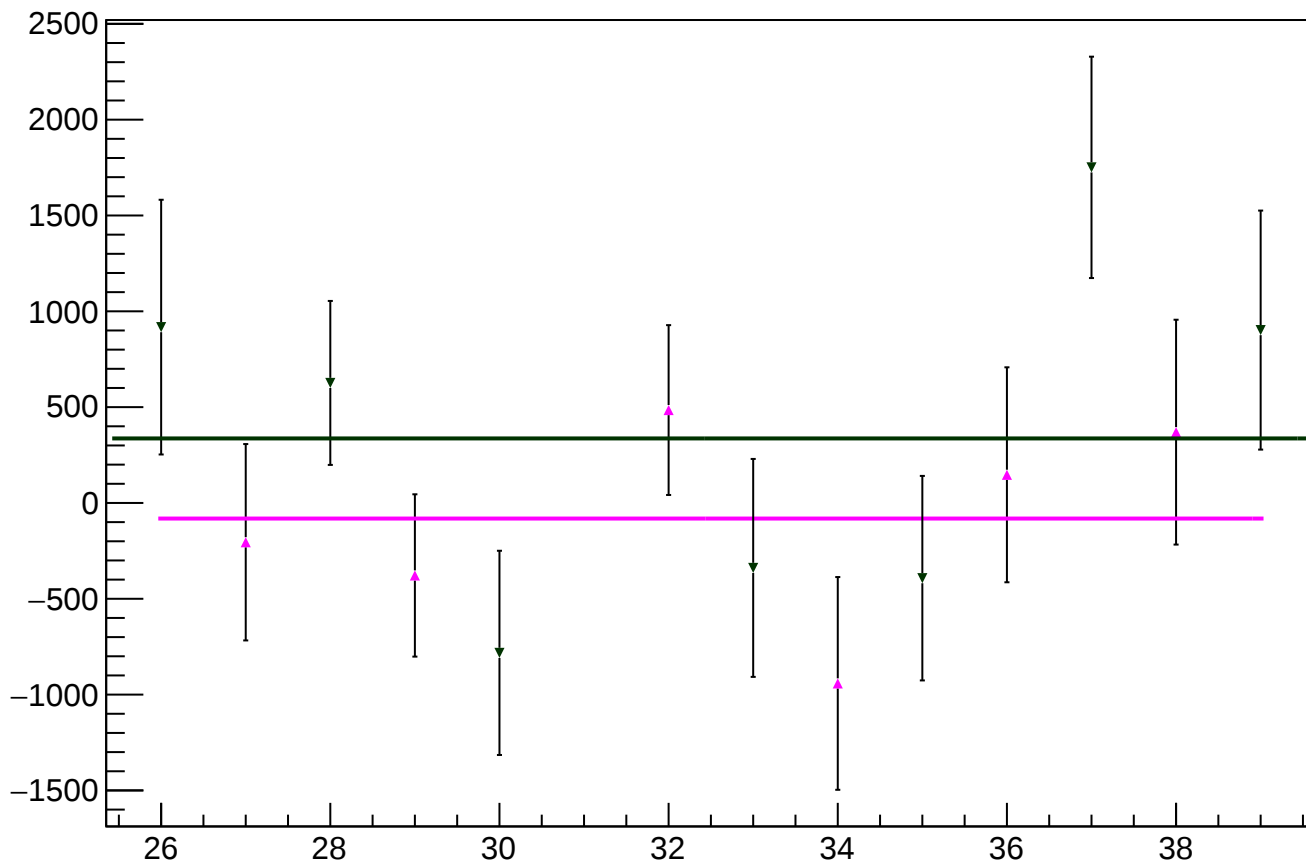
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2141.334+/-0.749  $\chi^2/\text{NDF}$ : 14529.1/5

2138.662+/-0.779  $\chi^2/\text{NDF}$ : 36137.4/6

2141.334+/-0.749  $\chi^2/\text{NDF}$ : 14529.1/5

# reg\_asym\_sam1\_mean vs slug



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

Left Out: 336.675+/-206.612  $\chi^2/\text{NDF}$ : 15.7/6

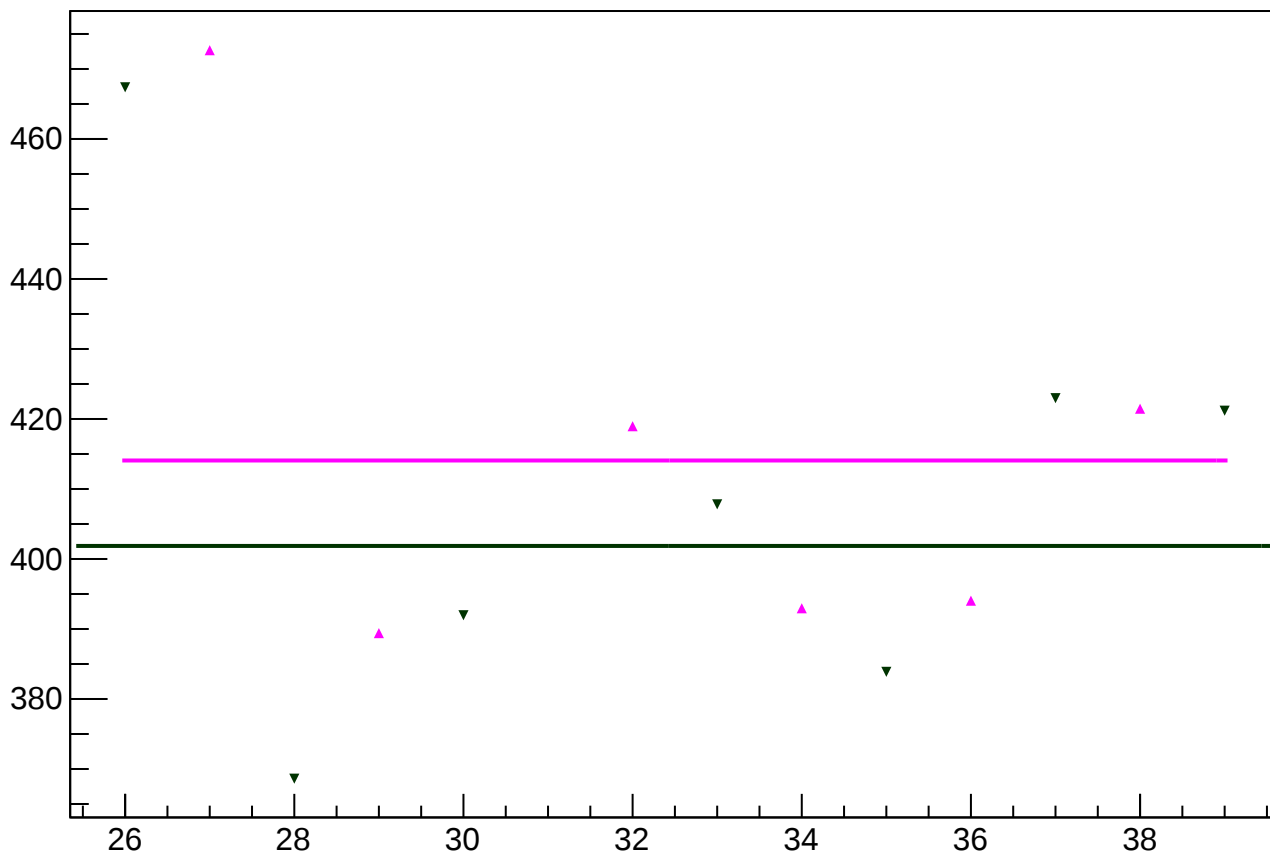
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -81.357+/-204.938  $\chi^2/\text{NDF}$ : 5.3/5

336.675+/-206.612  $\chi^2/\text{NDF}$ : 15.7/6

-81.357+/-204.938  $\chi^2/\text{NDF}$ : 5.3/5

# reg\_asym\_sam1\_rms vs slug



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

Left Out: 401.865+/-0.146  $\chi^2/\text{NDF}$ : 39294.0/6

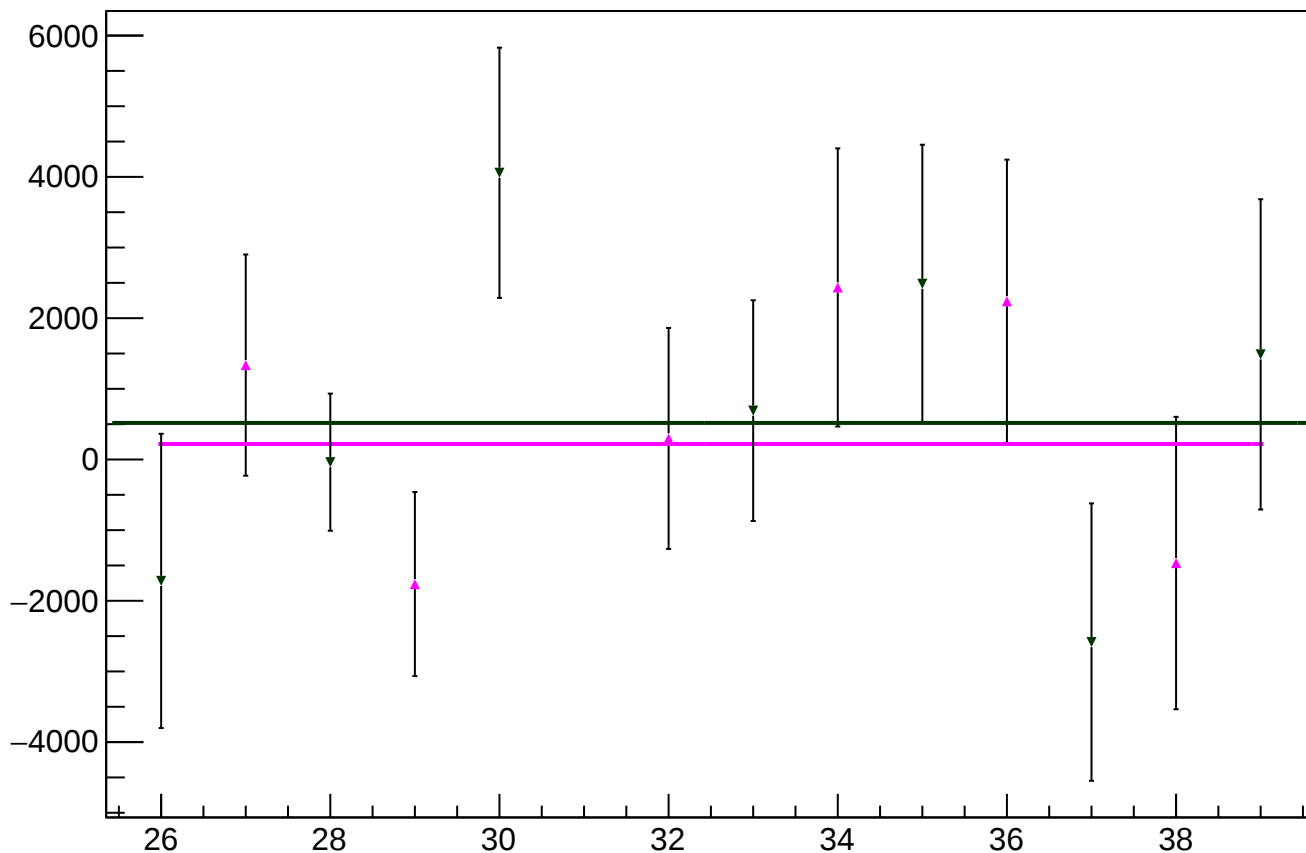
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 414.071+/-0.145  $\chi^2/\text{NDF}$ : 38960.6/5

401.865+/-0.146  $\chi^2/\text{NDF}$ : 39294.0/6

414.071+/-0.145  $\chi^2/\text{NDF}$ : 38960.6/5

# asym\_sam1\_correction\_mean vs slug



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

Left Out: 517.580+/-603.440  $\chi^2/\text{NDF}$ : 9.2/6

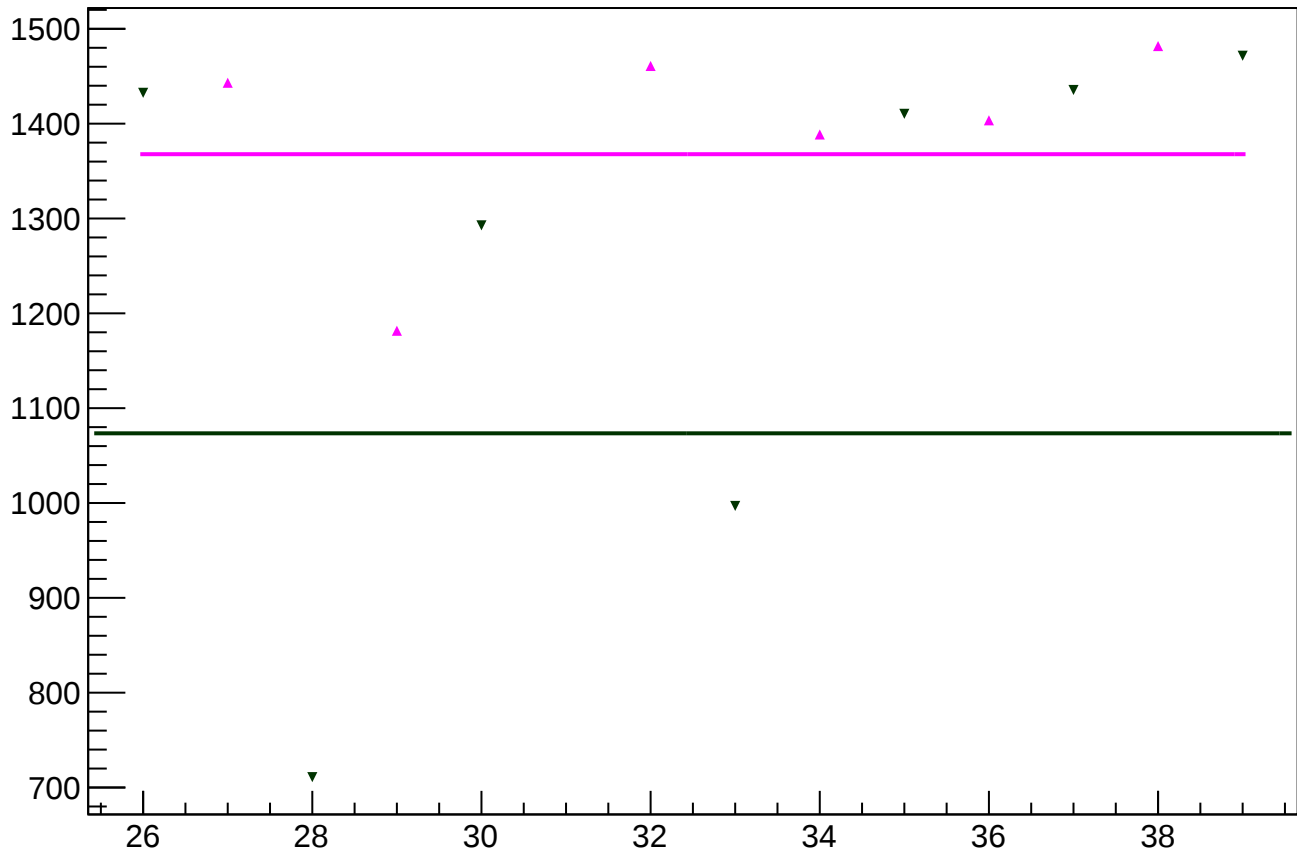
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 219.633+/-682.510  $\chi^2/\text{NDF}$ : 5.8/5

517.580+/-603.440  $\chi^2/\text{NDF}$ : 9.2/6

219.633+/-682.510  $\chi^2/\text{NDF}$ : 5.8/5

# asym\_sam1\_correction\_rms vs slug



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

Left Out: 1073.482+/-0.427  $\chi^2$ /NDF:566432.2/6

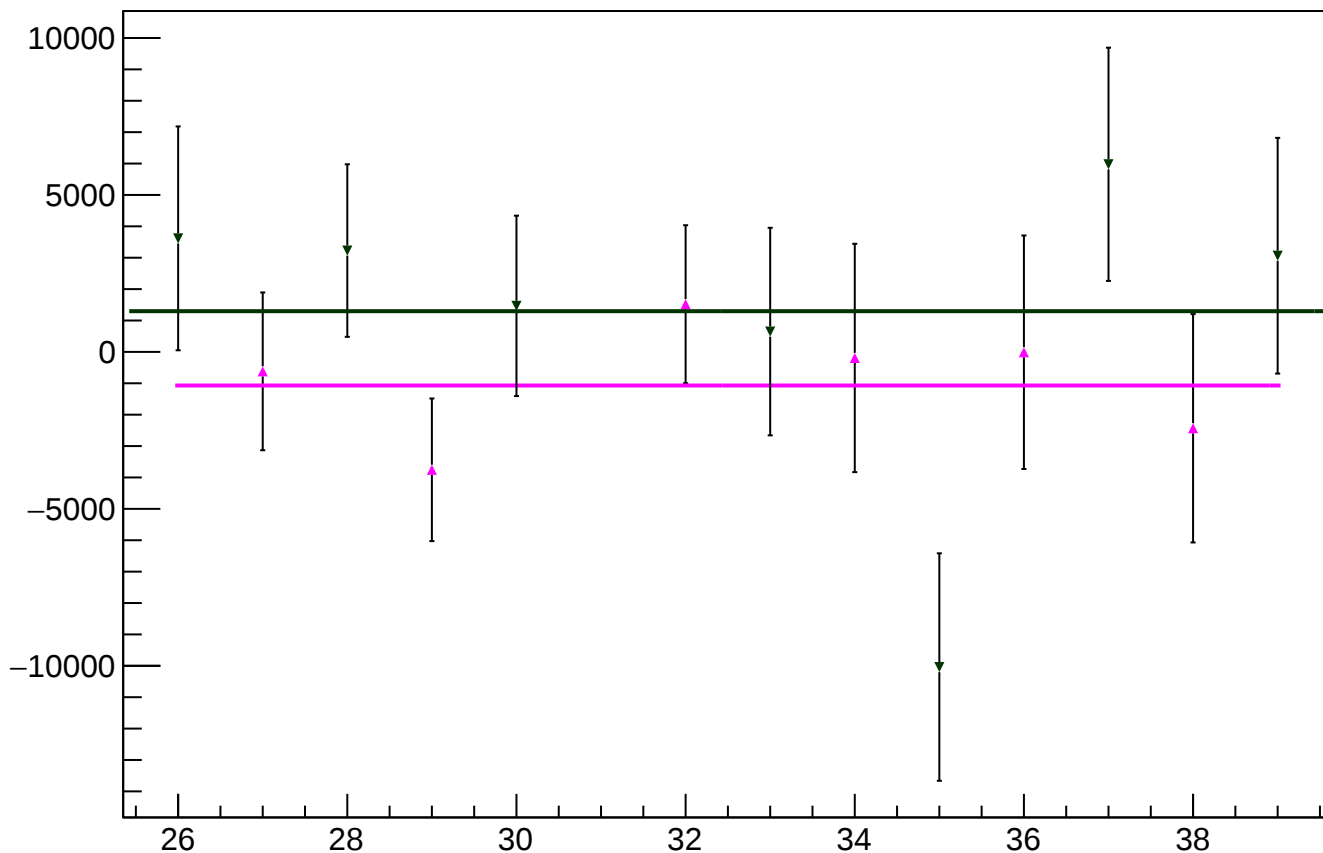
1073.482+/-0.427  $\chi^2$ /NDF: 566432.2/6

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

1367.805+/-0.483  $\chi^2$ /NDF: 59483.7/5

Left In: 1367.805+/-0.483  $\chi^2$ /NDF:59483.7/5

# reg\_asym\_sam2\_mean vs slug



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

Left Out: 1297.015+/-1246.896  $\chi^2/\text{NDF}$ :12.6/6

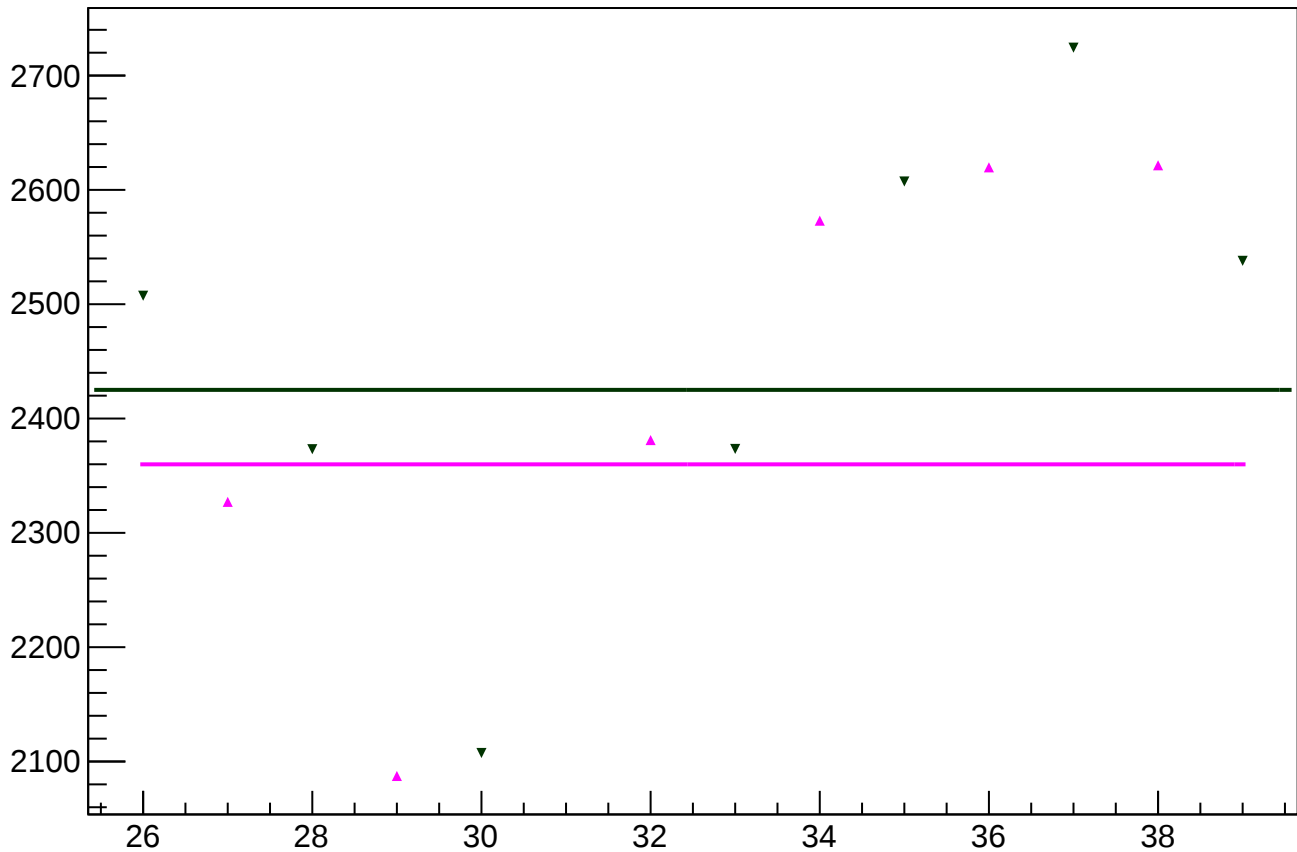
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1070.581+/-1167.700  $\chi^2/\text{NDF}$ :2.8/5

1297.015+/-1246.896  $\chi^2/\text{NDF}$ : 12.6/6

-1070.581+/-1167.700  $\chi^2/\text{NDF}$ : 2.8/5

# reg\_asym\_sam2\_rms vs slug



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

Left Out: 2425.070+/-0.882  $\chi^2/\text{NDF}$ : 46553.4/6

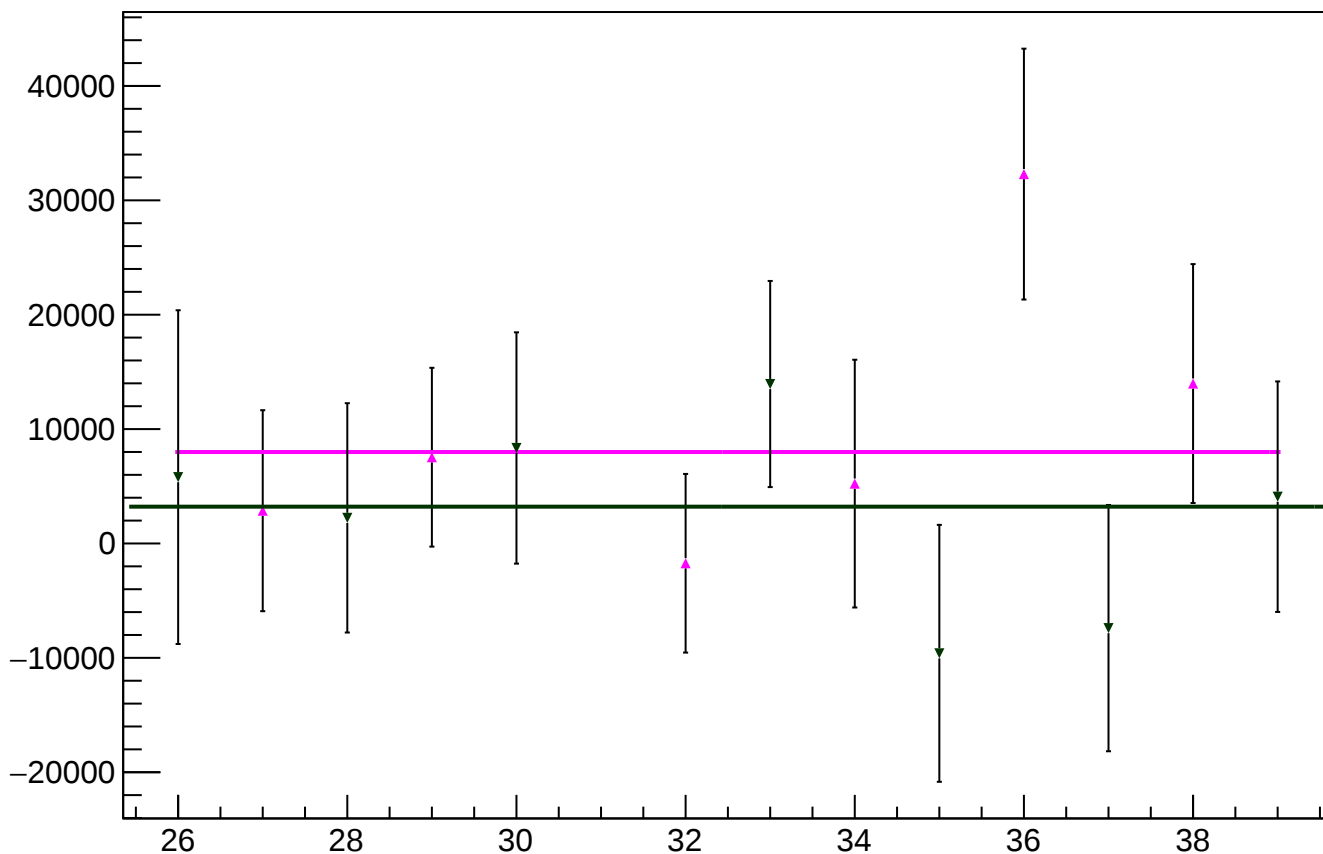
2425.070+/-0.882  $\chi^2/\text{NDF}$ : 46553.4/6

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

2359.931+/-0.826  $\chi^2/\text{NDF}$ : 56239.2/5

Left In: 2359.931+/-0.826  $\chi^2/\text{NDF}$ : 56239.2/5

# asym\_sam2\_correction\_mean vs slug



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

Left Out: 3217.497+/-3979.463  $\chi^2/\text{NDF}$ : 4.0/6

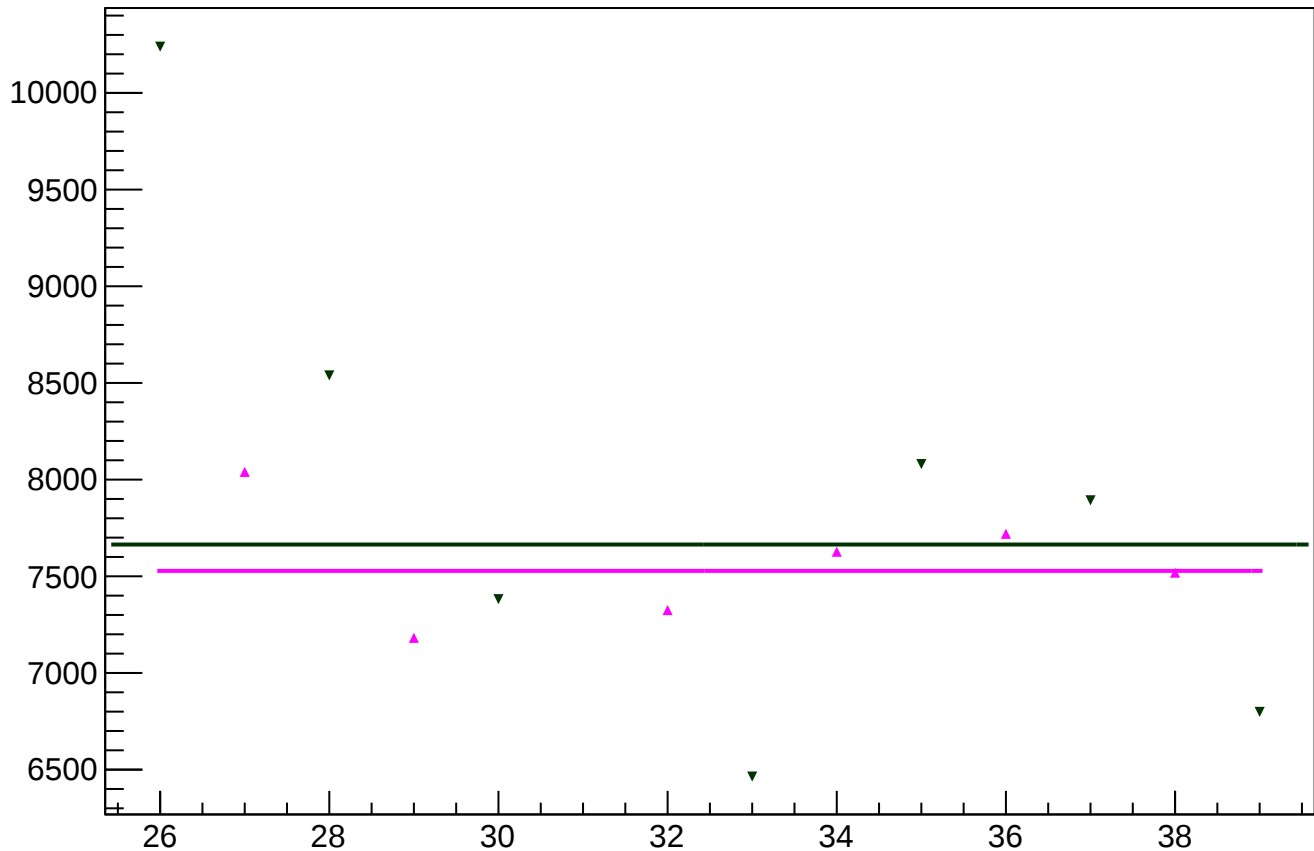
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 7995.554+/-3733.917  $\chi^2/\text{NDF}$ : 7.2/5

3217.497+/-3979.463  $\chi^2/\text{NDF}$ : 4.0/6

7995.554+/-3733.917  $\chi^2/\text{NDF}$ : 7.2/5

# asym\_sam2\_correction\_rms vs slug



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

Left Out: 7664.306+/-2.814  $\chi^2/\text{NDF}$ :132965.2/6

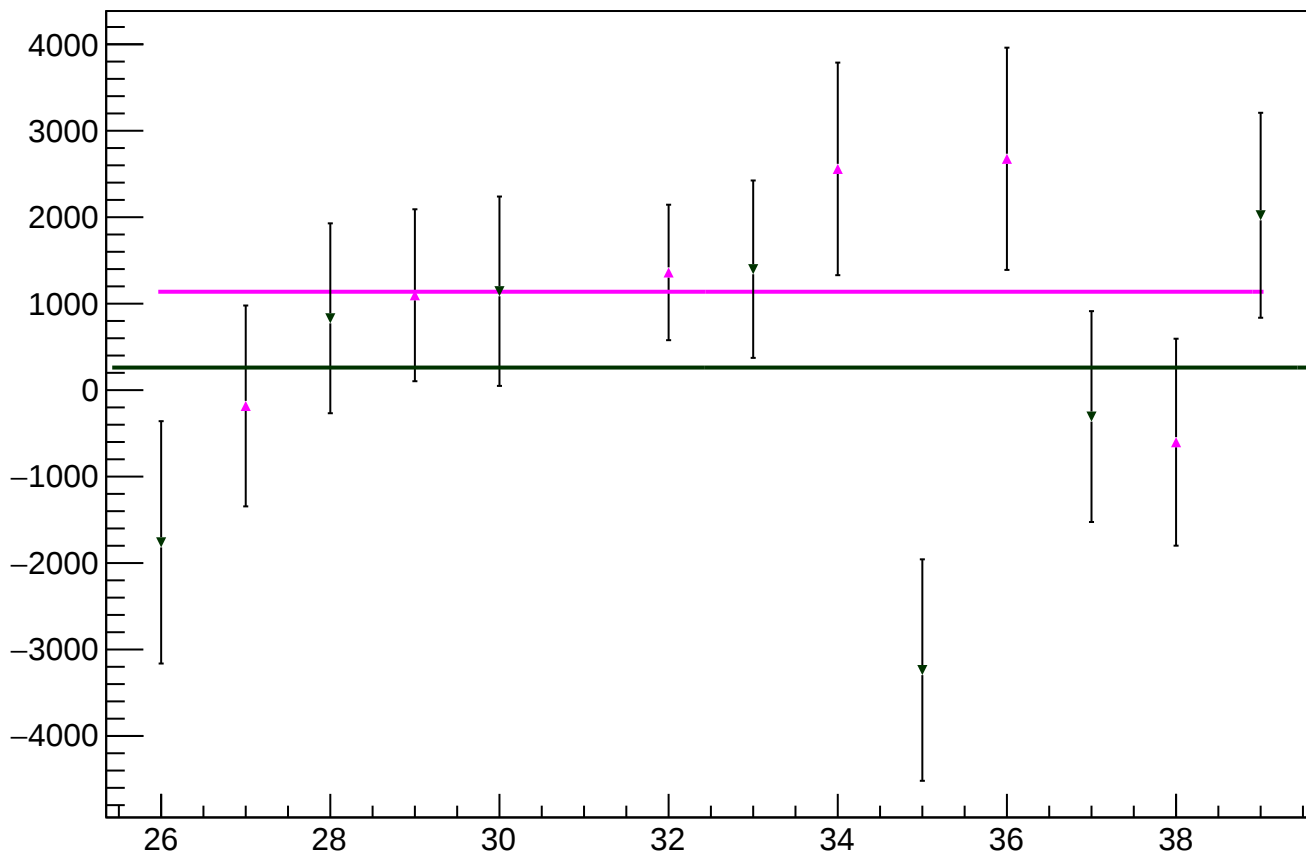
7664.306+/-2.814  $\chi^2/\text{NDF}$ : 132965.2/6

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

7527.997+/-2.640  $\chi^2/\text{NDF}$ : 12844.3/5

Left In: 7527.997+/-2.640  $\chi^2/\text{NDF}$ :12844.3/5

# reg\_asym\_sam3\_mean vs slug



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

Left Out: 261.088+/-442.109  $\chi^2/\text{NDF}$ : 14.1/6

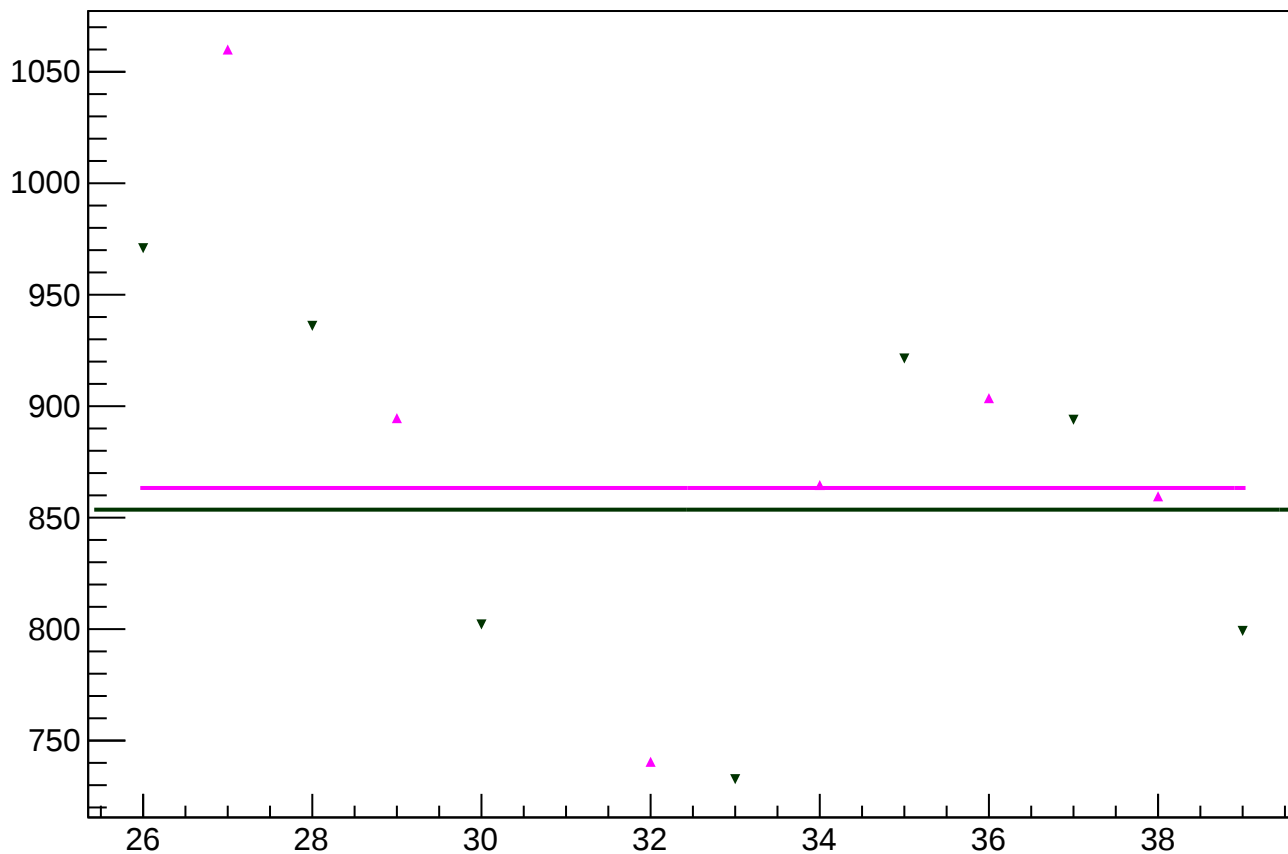
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1137.963+/-432.447  $\chi^2/\text{NDF}$ : 6.3/5

261.088+/-442.109  $\chi^2/\text{NDF}$ : 14.1/6

1137.963+/-432.447  $\chi^2/\text{NDF}$ : 6.3/5

# reg\_asym\_sam3\_rms vs slug



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

Left Out: 853.588+/-0.313  $\chi^2/\text{NDF}$ : 69481.3/6

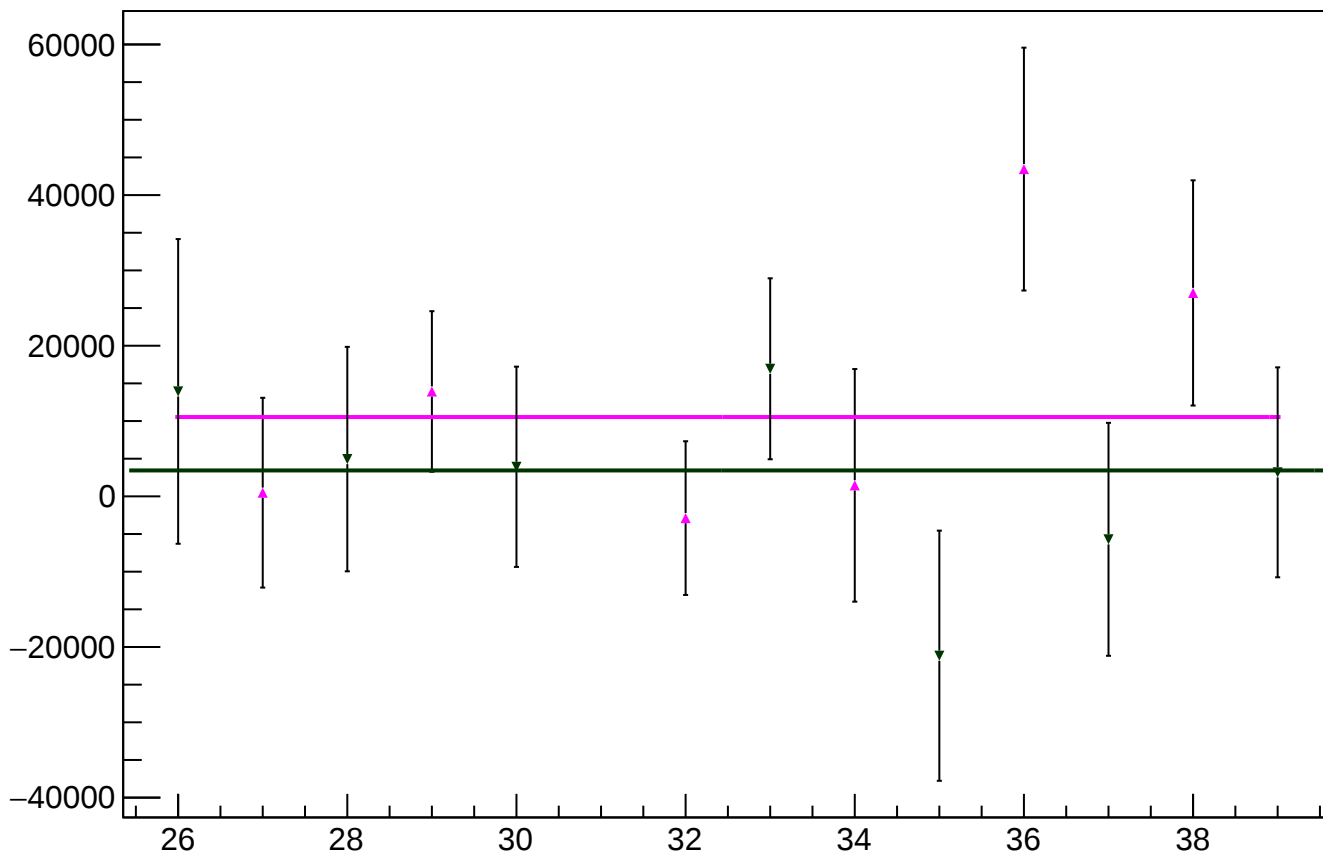
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 863.314+/-0.306  $\chi^2/\text{NDF}$ : 110479.0/5

853.588+/-0.313  $\chi^2/\text{NDF}$ : 69481.3/6

863.314+/-0.306  $\chi^2/\text{NDF}$ : 110479.0/5

# asym\_sam3\_correction\_mean vs slug



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

Left Out: 3439.855+/-5548.100  $\chi^2/\text{NDF}$ : 4.1/6

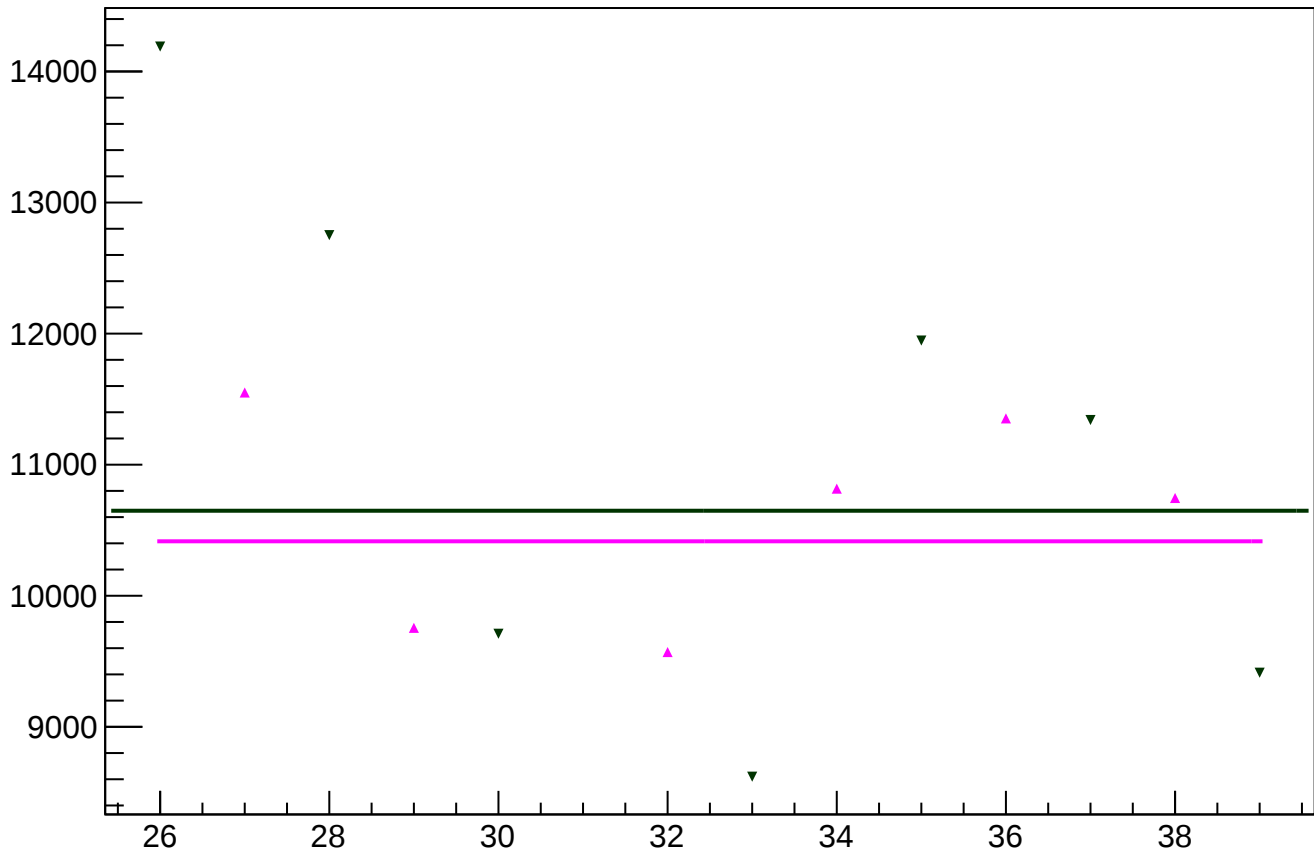
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 10532.521+/-5183.096  $\chi^2/\text{NDF}$ : 8.2/5

3439.855+/-5548.100  $\chi^2/\text{NDF}$ : 4.1/6

10532.521+/-5183.096  $\chi^2/\text{NDF}$ : 8.2/5

# asym\_sam3\_correction\_rms vs slug



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

Left Out: 10648.643+/-3.923  $\chi^2/\text{NDF}$ :200092.1/6

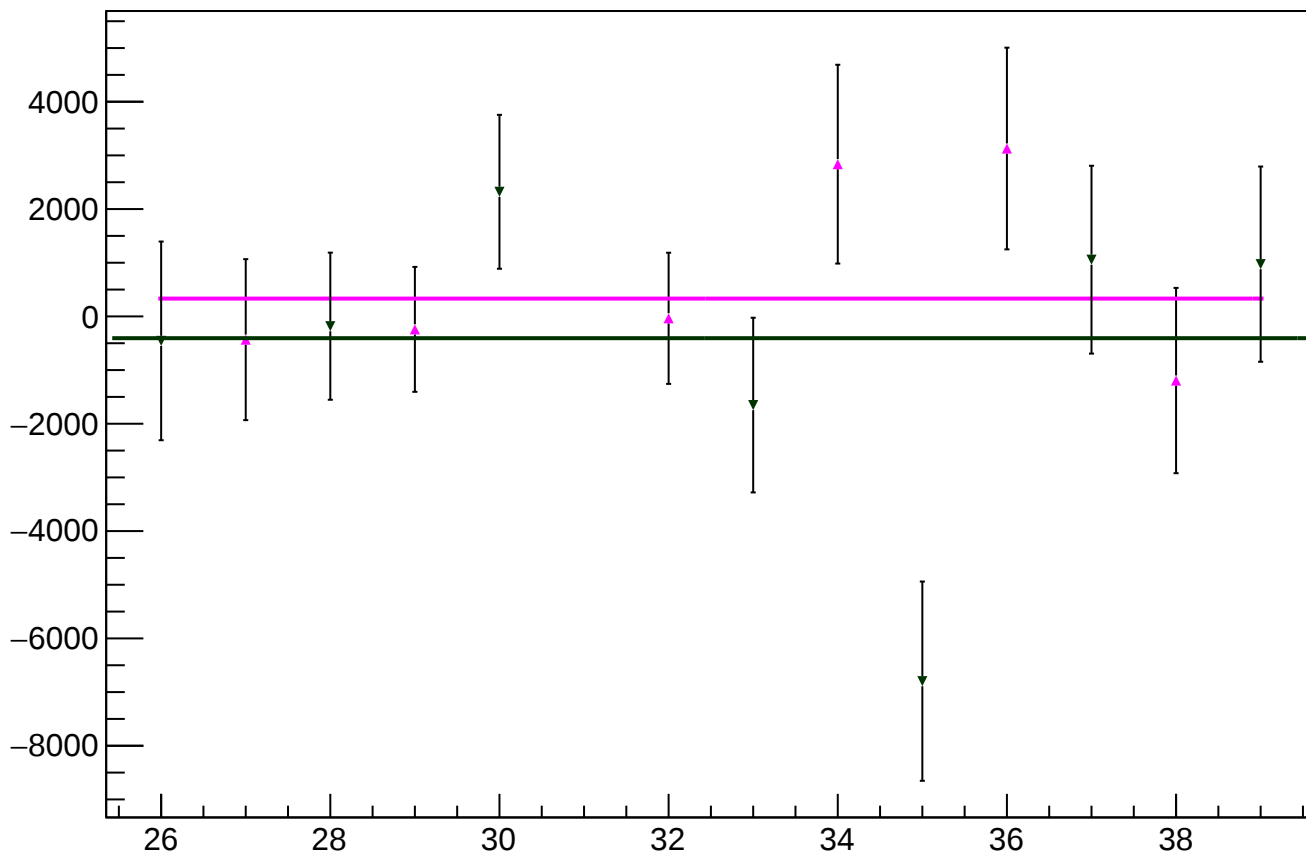
10648.643+/-3.923  $\chi^2/\text{NDF}$ : 200092.1/6

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

10415.446+/-3.665  $\chi^2/\text{NDF}$ : 46729.7/5

Left In: 10415.446+/-3.665  $\chi^2/\text{NDF}$ :46729.7/5

# reg\_asym\_sam4\_mean vs slug



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

Left Out: -405.795+/-619.307  $\chi^2/\text{NDF}$ : 17.4/6

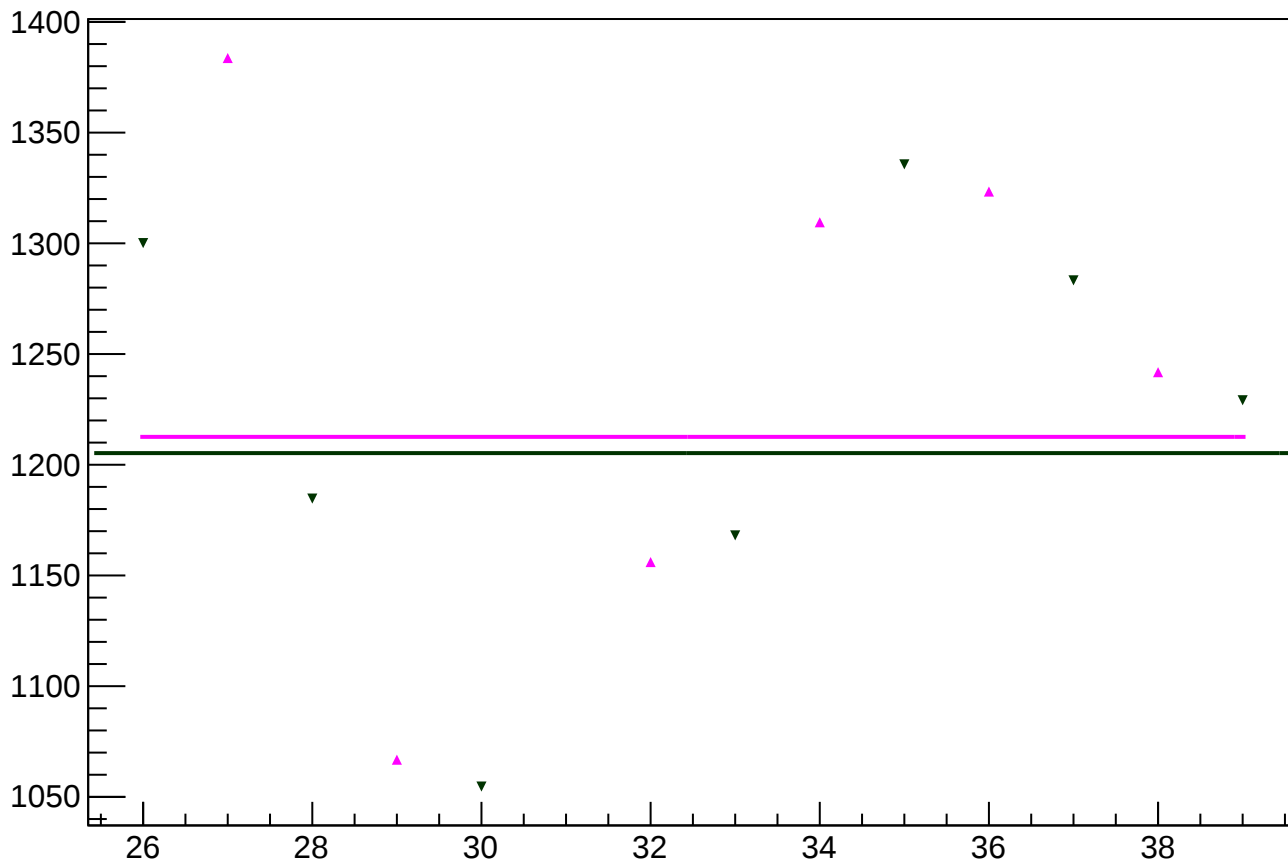
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 331.903+/-601.611  $\chi^2/\text{NDF}$ : 5.4/5

-405.795+/-619.307  $\chi^2/\text{NDF}$ : 17.4/6

331.903+/-601.611  $\chi^2/\text{NDF}$ : 5.4/5

# reg\_asym\_sam4\_rms vs slug



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

Left Out: 1205.259+/-0.438  $\chi^2/\text{NDF}$ : 42993.8/6

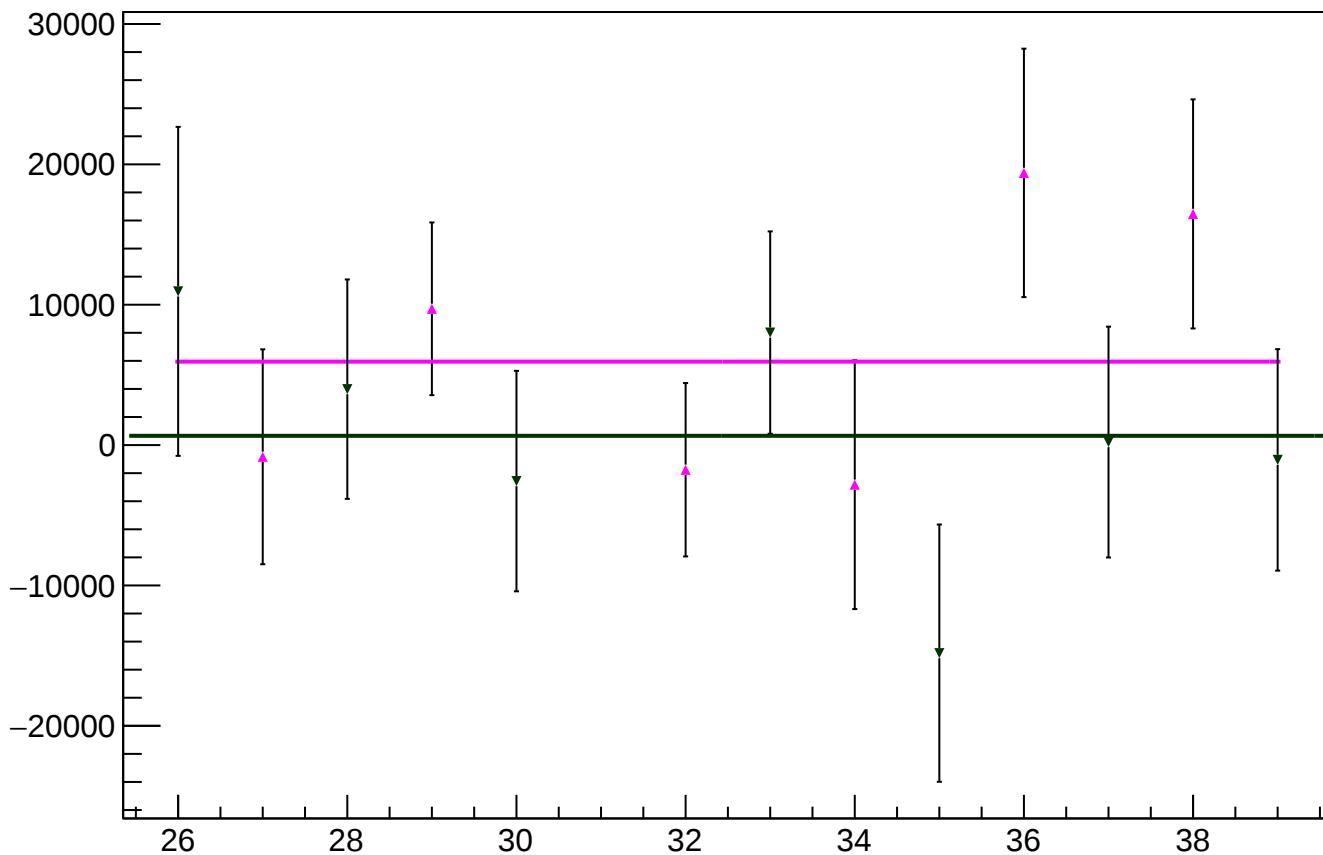
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1212.592+/-0.425  $\chi^2/\text{NDF}$ : 74694.9/5

1205.259+/-0.438  $\chi^2/\text{NDF}$ : 42993.8/6

1212.592+/-0.425  $\chi^2/\text{NDF}$ : 74694.9/5

# asym\_sam4\_correction\_mean vs slug



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

Left Out: 661.572+/-3133.196  $\chi^2/\text{NDF}$ : 5.1/6

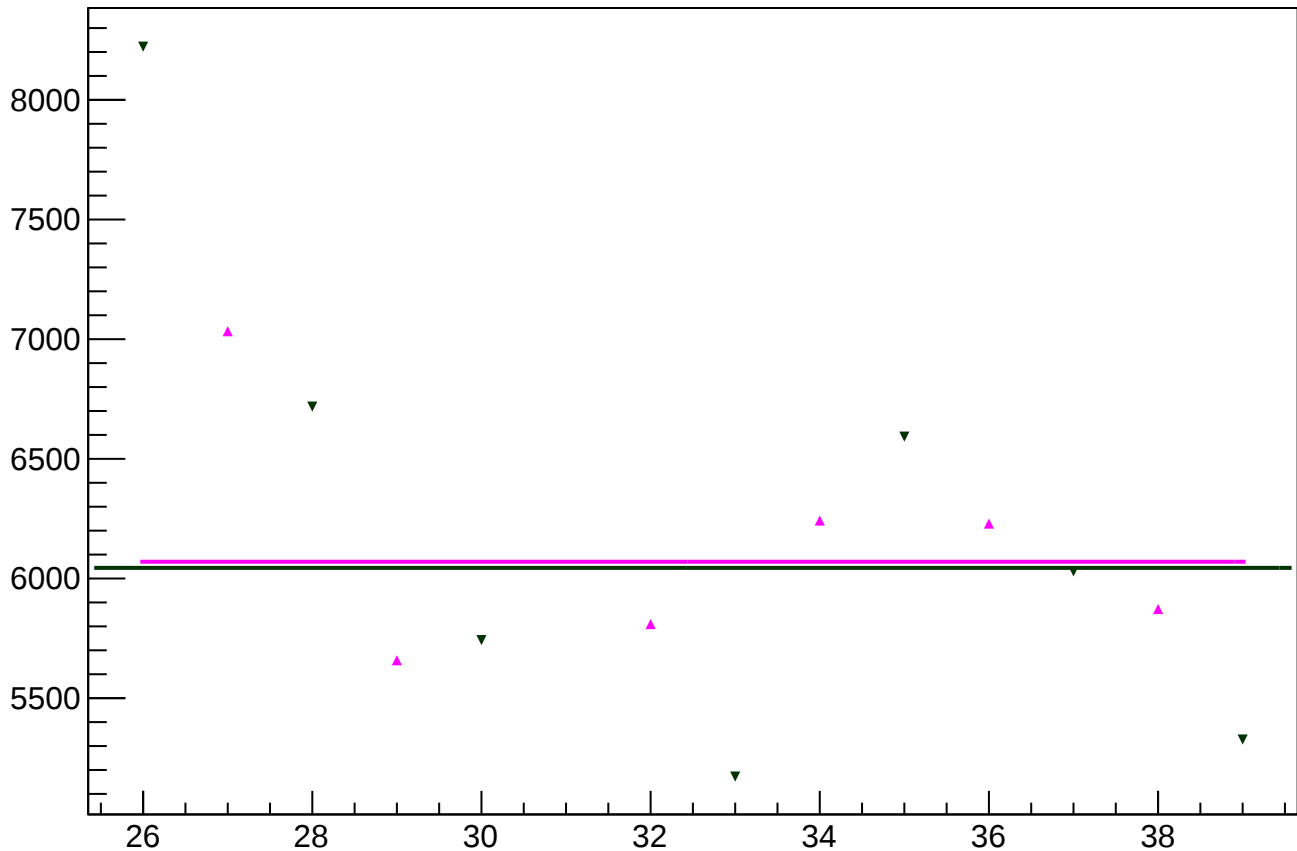
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 5944.316+/-3012.228  $\chi^2/\text{NDF}$ : 7.7/5

661.572+/-3133.196  $\chi^2/\text{NDF}$ : 5.1/6

5944.316+/-3012.228  $\chi^2/\text{NDF}$ : 7.7/5

# asym\_sam4\_correction\_rms vs slug



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

Left Out: 6044.501+/-2.216  $\chi^2/\text{NDF}$ :139864.0/6

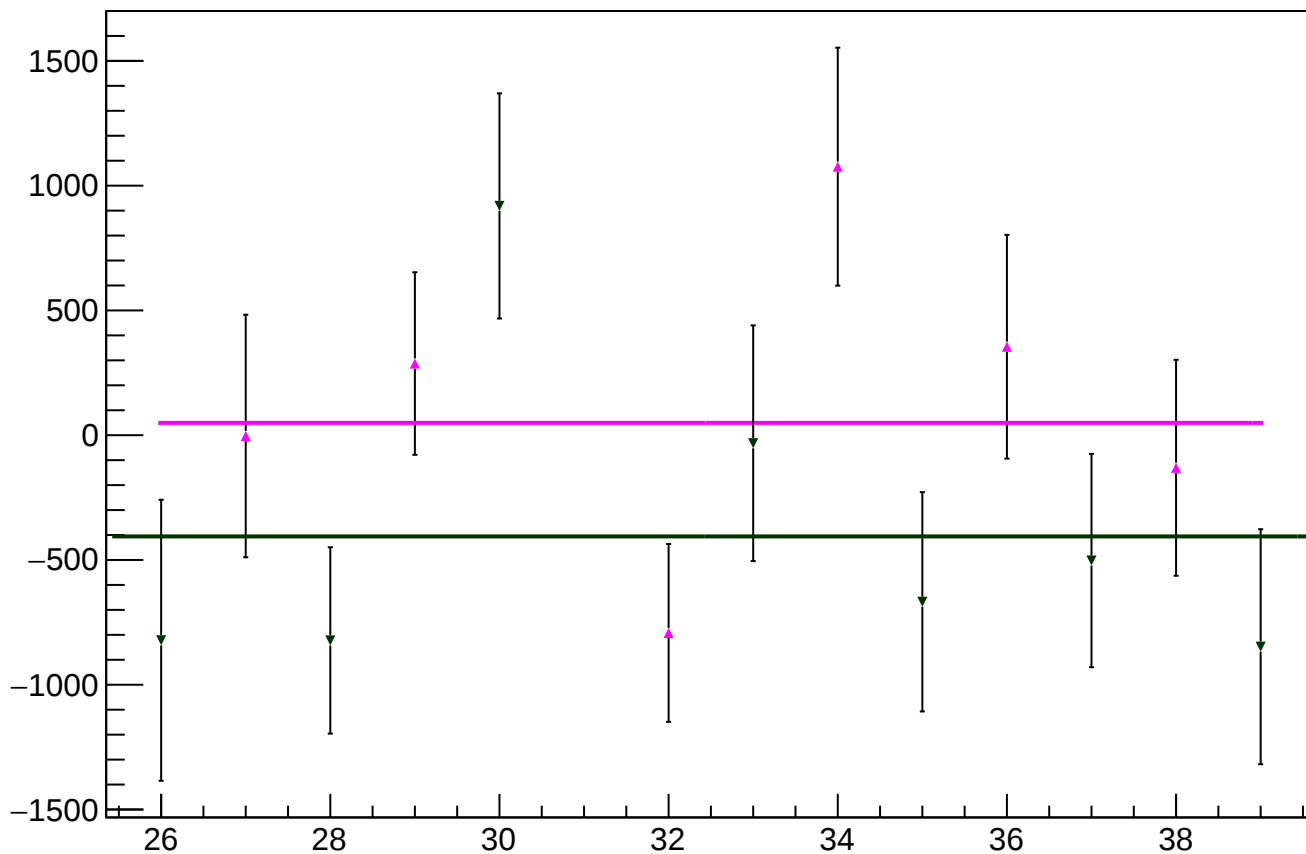
6044.501+/-2.216  $\chi^2/\text{NDF}$ : 139864.0/6

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

6070.094+/-2.130  $\chi^2/\text{NDF}$ : 46742.8/5

Left In: 6070.094+/-2.130  $\chi^2/\text{NDF}$ :46742.8/5

reg\_asym\_sam5\_mean vs slug



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

Left Out: -405.610+/-169.332  $\chi^2/\text{NDF}$ : 12.3/6

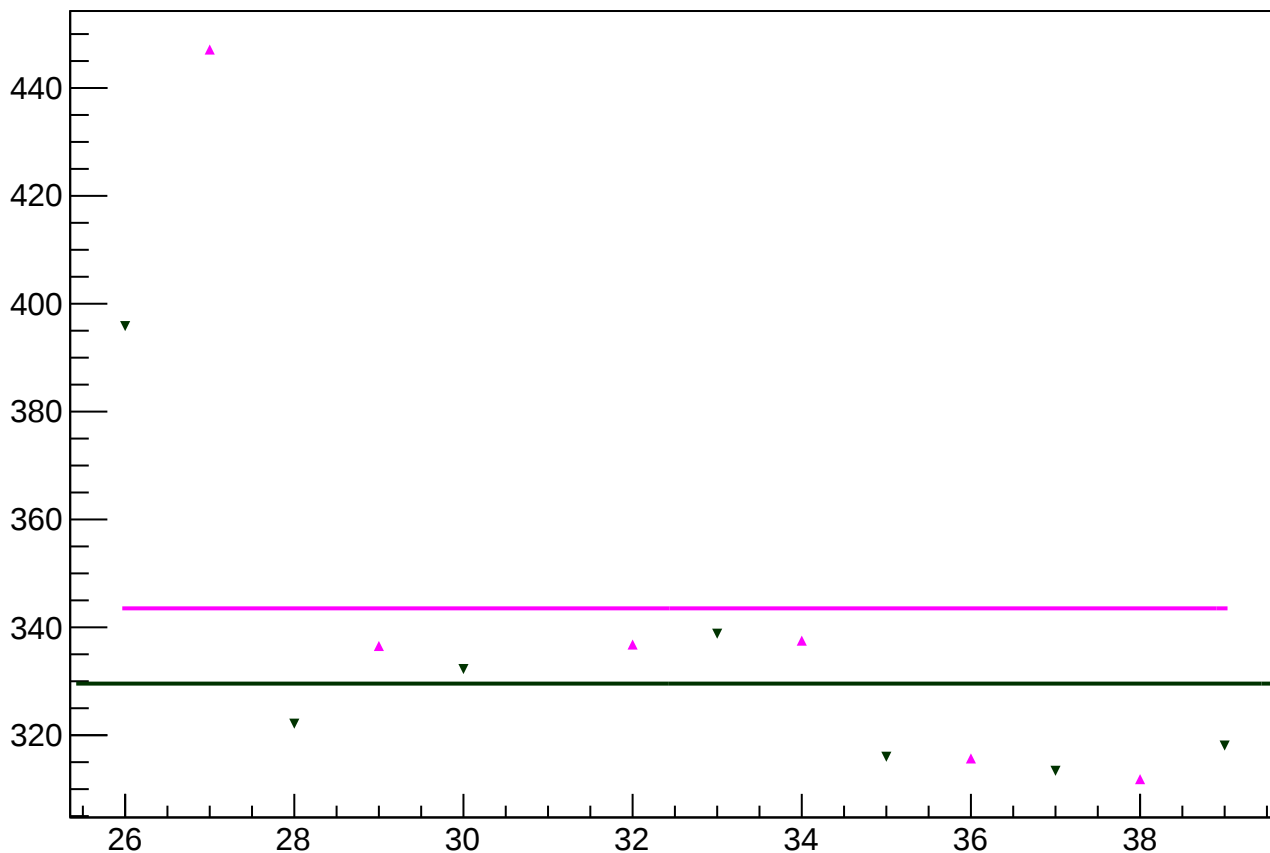
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 49.440+/-170.769  $\chi^2/\text{NDF}$ : 11.3/5

-405.610+/-169.332  $\chi^2/\text{NDF}$ : 12.3/6

49.440+/-170.769  $\chi^2/\text{NDF}$ : 11.3/5

# reg\_asym\_sam5\_rms vs slug



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

Left Out: 329.566+/-0.120  $\chi^2/\text{NDF}$ : 35296.2/6

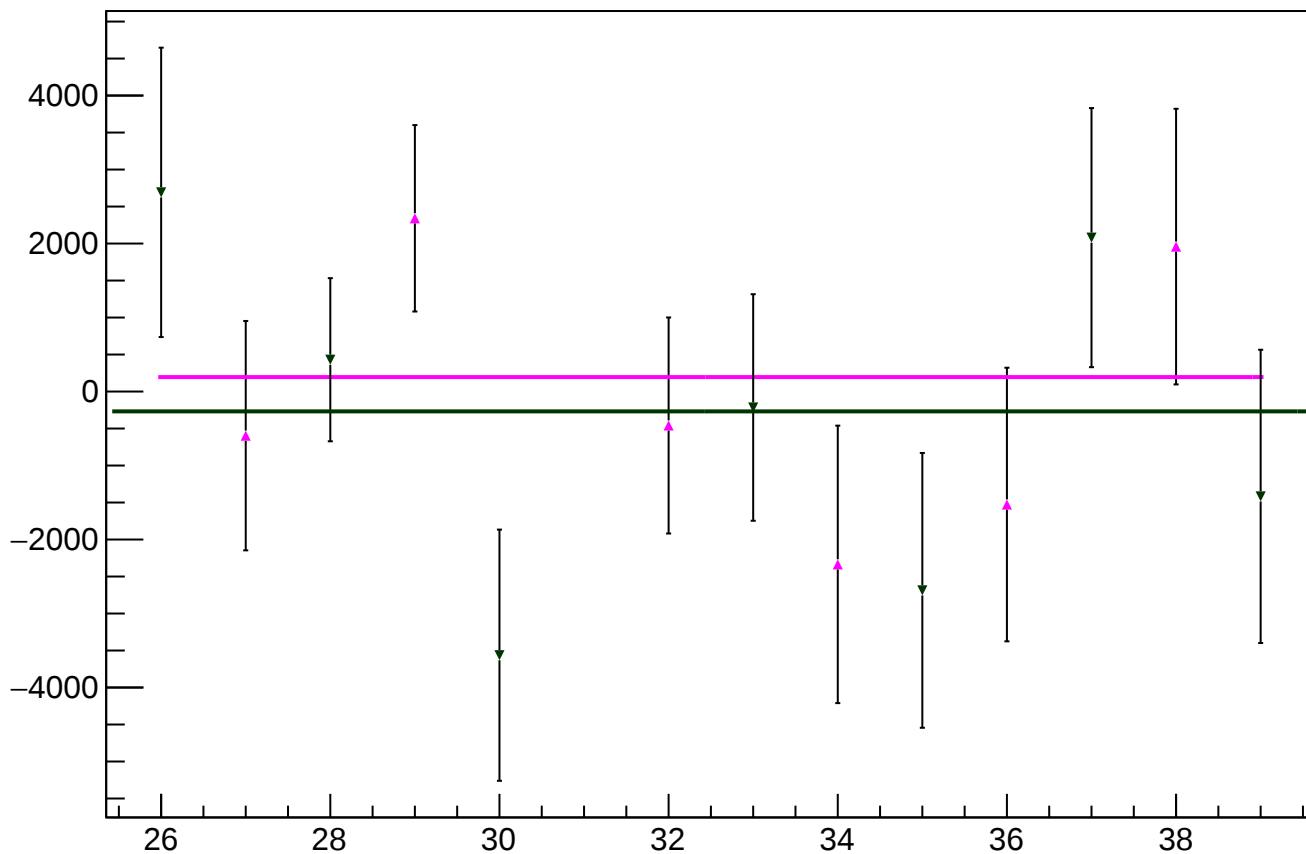
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 343.518+/-0.121  $\chi^2/\text{NDF}$ : 111095.8/5

329.566+/-0.120  $\chi^2/\text{NDF}$ : 35296.2/6

343.518+/-0.121  $\chi^2/\text{NDF}$ : 111095.8/5

# asym\_sam5\_correction\_mean vs slug



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

Left Out: -268.336+/-605.322  $\chi^2/\text{NDF}$ :10.3/6

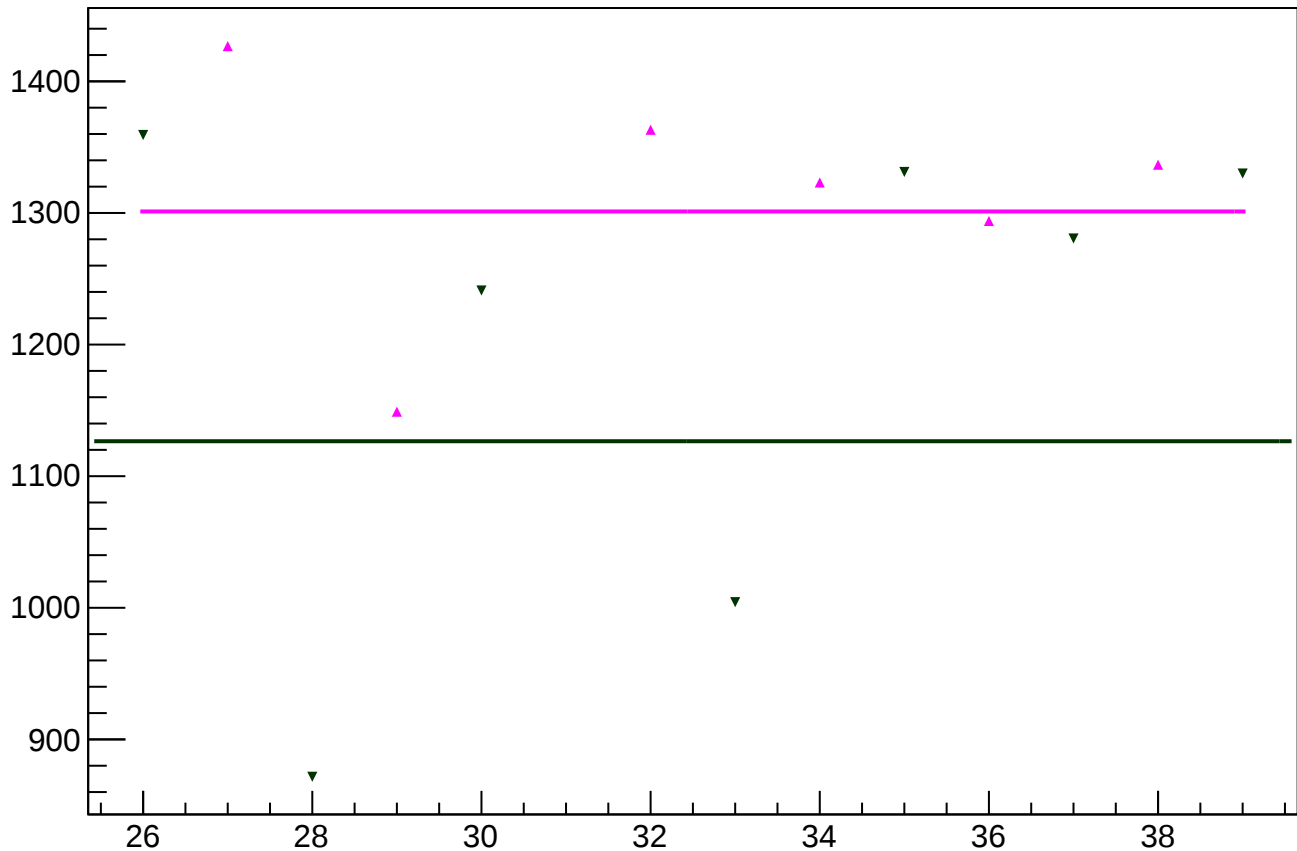
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 195.340+/-648.078  $\chi^2/\text{NDF}$ :7.0/5

-268.336+/-605.322  $\chi^2/\text{NDF}$ : 10.3/6

195.340+/-648.078  $\chi^2/\text{NDF}$ : 7.0/5

# asym\_sam5\_correction\_rms vs slug



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

Left Out: 1126.560+/-0.428  $\chi^2/\text{NDF}$ : 218011.5/6

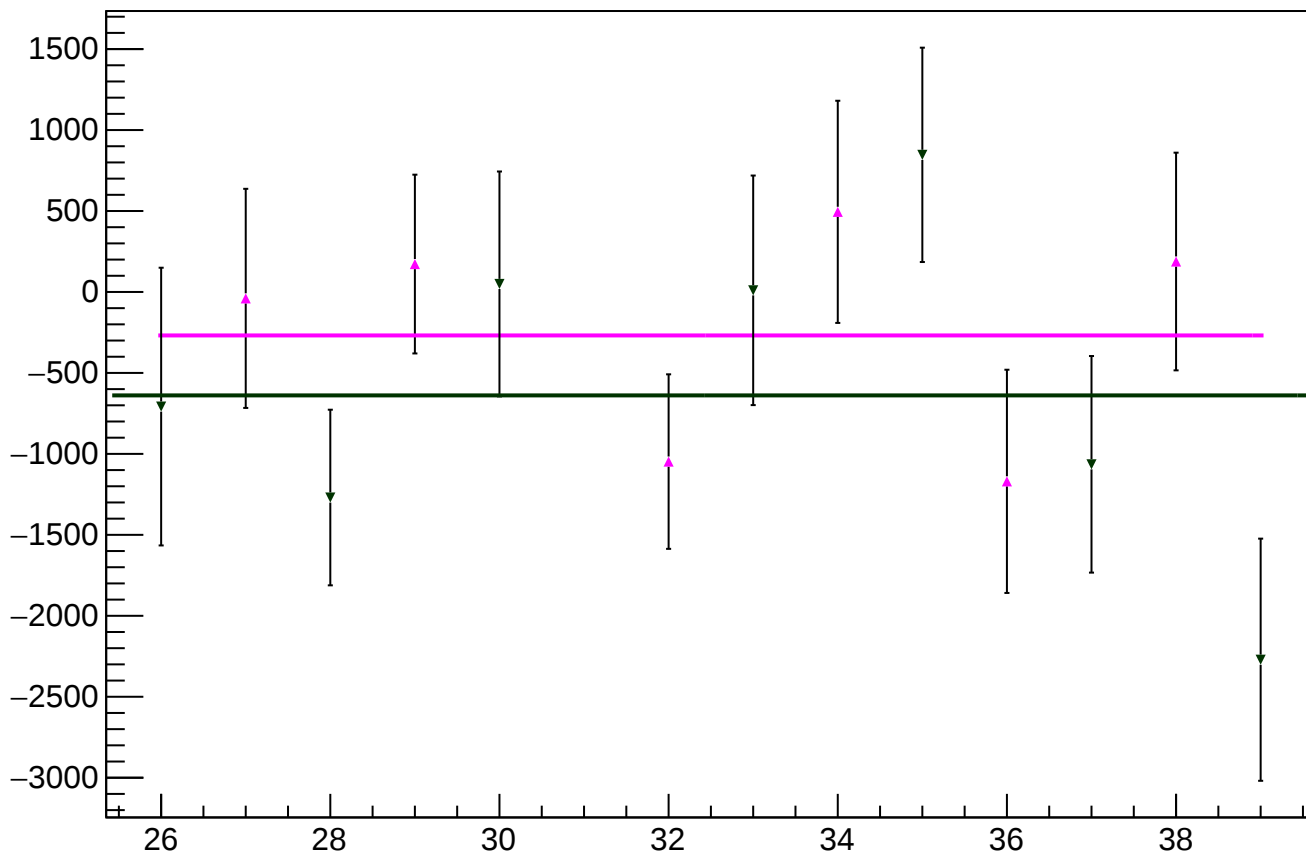
1126.560+/-0.428  $\chi^2/\text{NDF}$ : 218011.5/6

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

1301.132+/-0.458  $\chi^2/\text{NDF}$ : 46958.4/5

Left In: 1301.132+/-0.458  $\chi^2/\text{NDF}$ : 46958.4/5

# reg\_asym\_sam6\_mean vs slug



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

Left Out: -638.772+/-257.094  $\chi^2/\text{NDF}$ :13.4/6

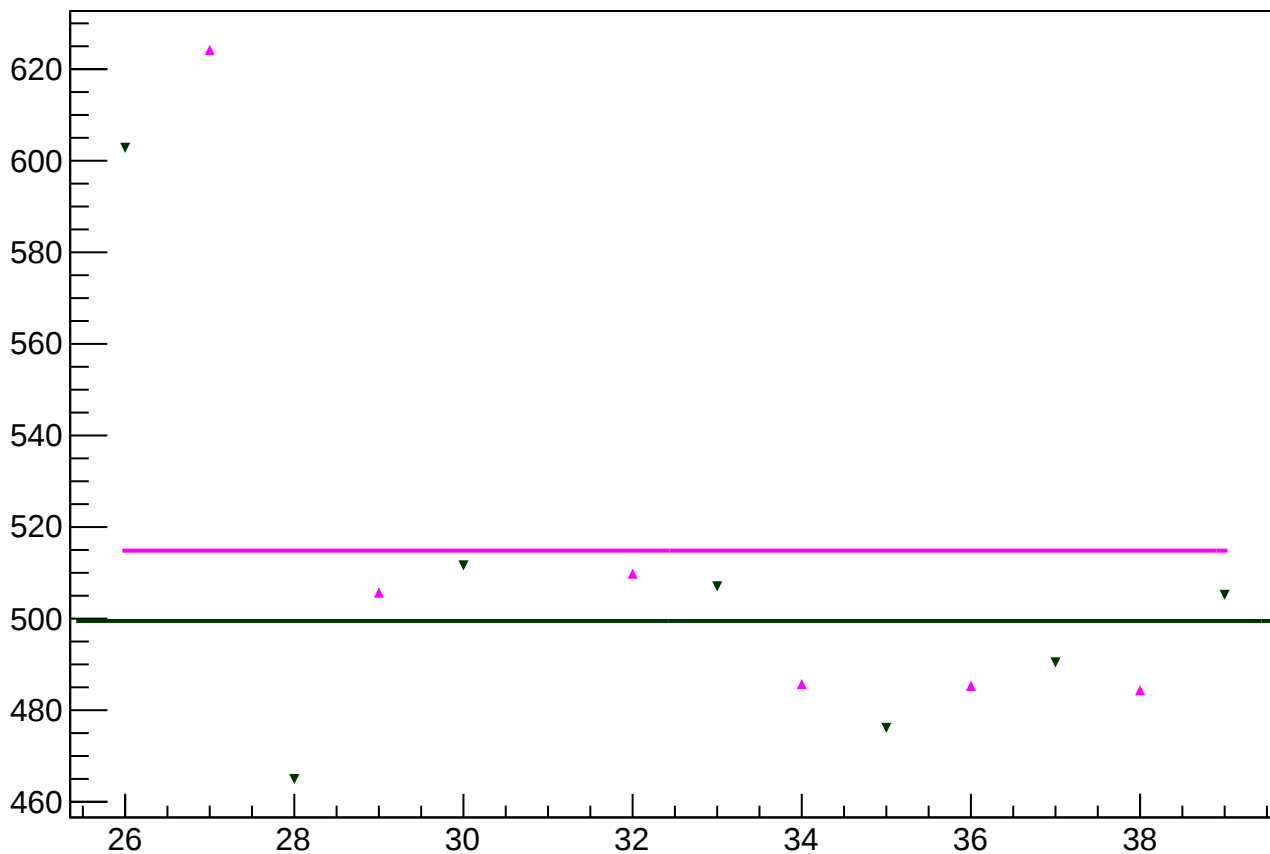
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -268.440+/-255.231  $\chi^2/\text{NDF}$ :6.2/5

-638.772+/-257.094  $\chi^2/\text{NDF}$ : 13.4/6

-268.440+/-255.231  $\chi^2/\text{NDF}$ : 6.2/5

# reg\_asym\_sam6\_rms vs slug



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

Left Out: 499.493+/-0.182  $\chi^2/\text{NDF}$ : 40947.7/6

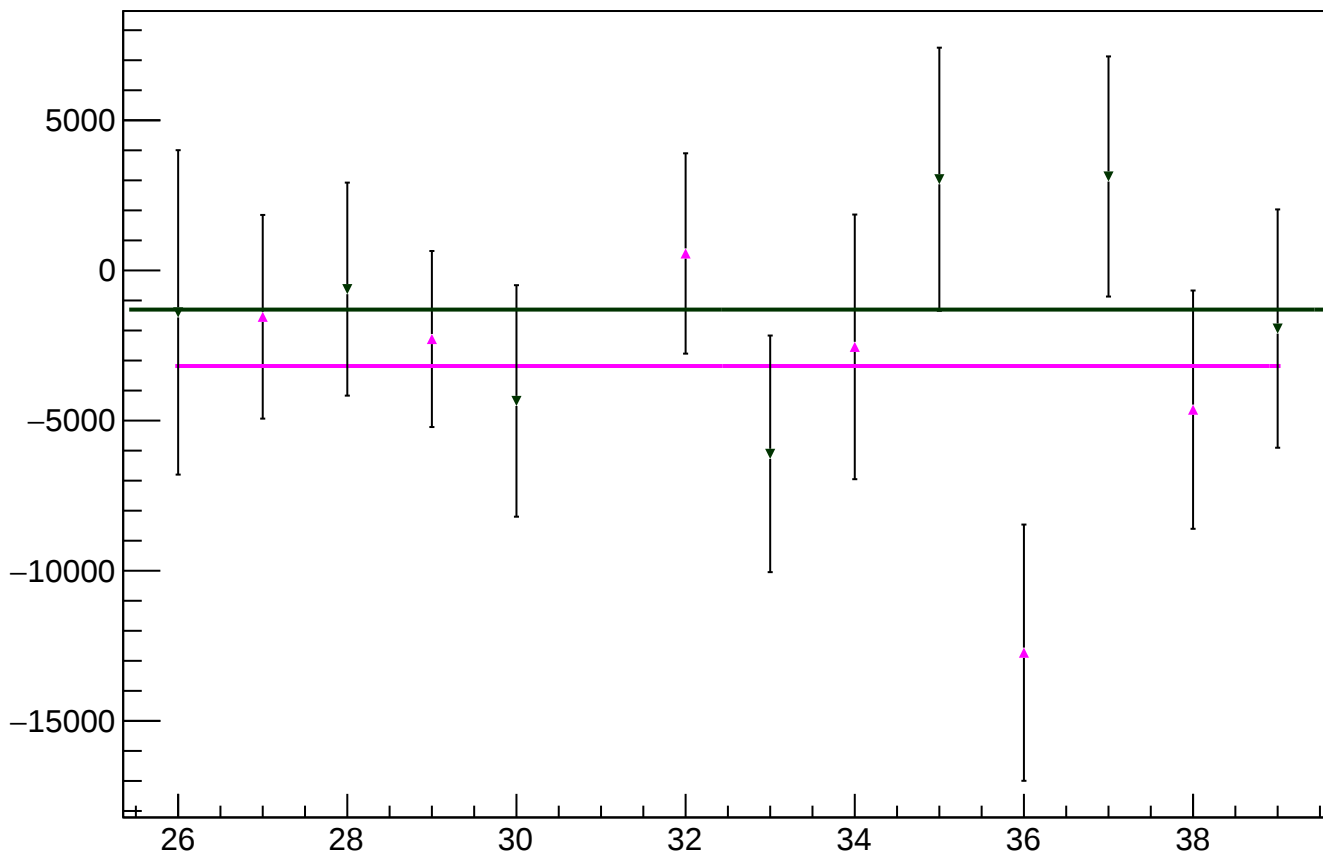
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 514.850+/-0.180  $\chi^2/\text{NDF}$ : 64368.7/5

499.493+/-0.182  $\chi^2/\text{NDF}$ : 40947.7/6

514.850+/-0.180  $\chi^2/\text{NDF}$ : 64368.7/5

# asym\_sam6\_correction\_mean vs slug



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

Left Out: -1303.598+/-1536.363  $\chi^2/\text{NDF}$ : 4.4/6

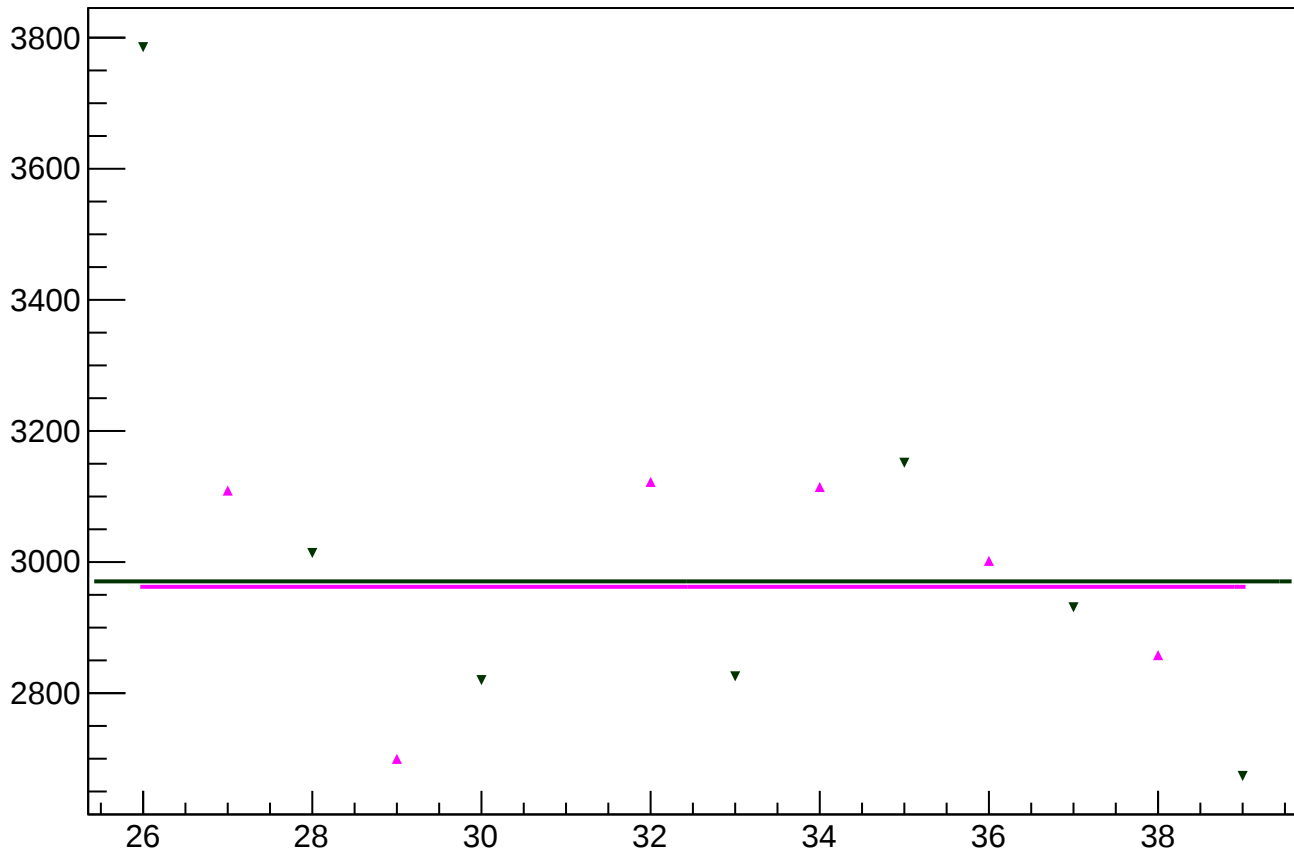
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -3182.455+/-1469.371  $\chi^2/\text{NDF}$ : 6.8/5

-1303.598+/-1536.363  $\chi^2/\text{NDF}$ : 4.4/6

-3182.455+/-1469.371  $\chi^2/\text{NDF}$ : 6.8/5

# asym\_sam6\_correction\_rms vs slug



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

Left Out: 2970.542+/-1.086  $\chi^2/\text{NDF}$ : 66378.6/6

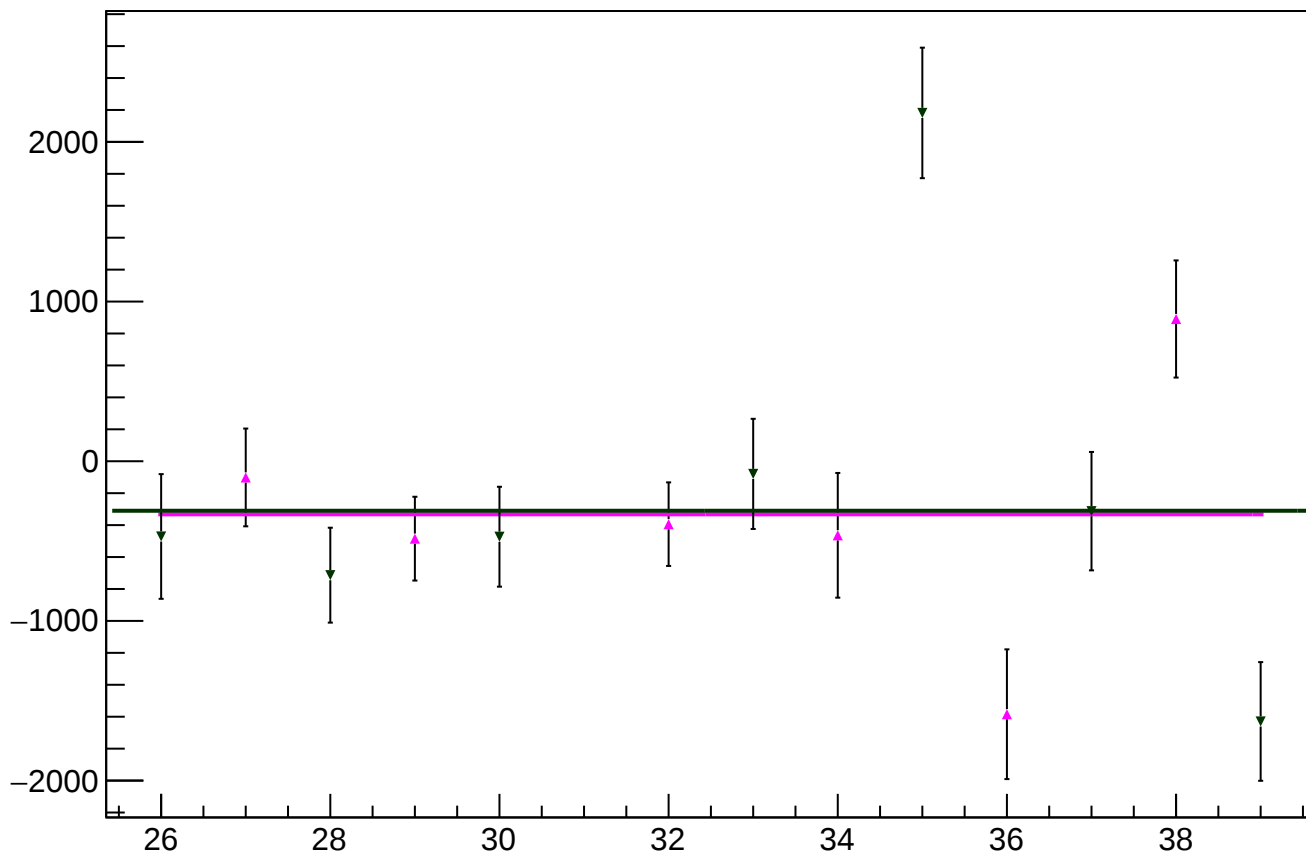
2970.542+/-1.086  $\chi^2/\text{NDF}$ : 66378.6/6

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

2962.254+/-1.039  $\chi^2/\text{NDF}$ : 28327.9/5

Left In: 2962.254+/-1.039  $\chi^2/\text{NDF}$ : 28327.9/5

# reg\_asym\_sam7\_mean vs slug



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

Left Out: -310.064+/-132.452  $\chi^2/\text{NDF}$ : 52.5/6

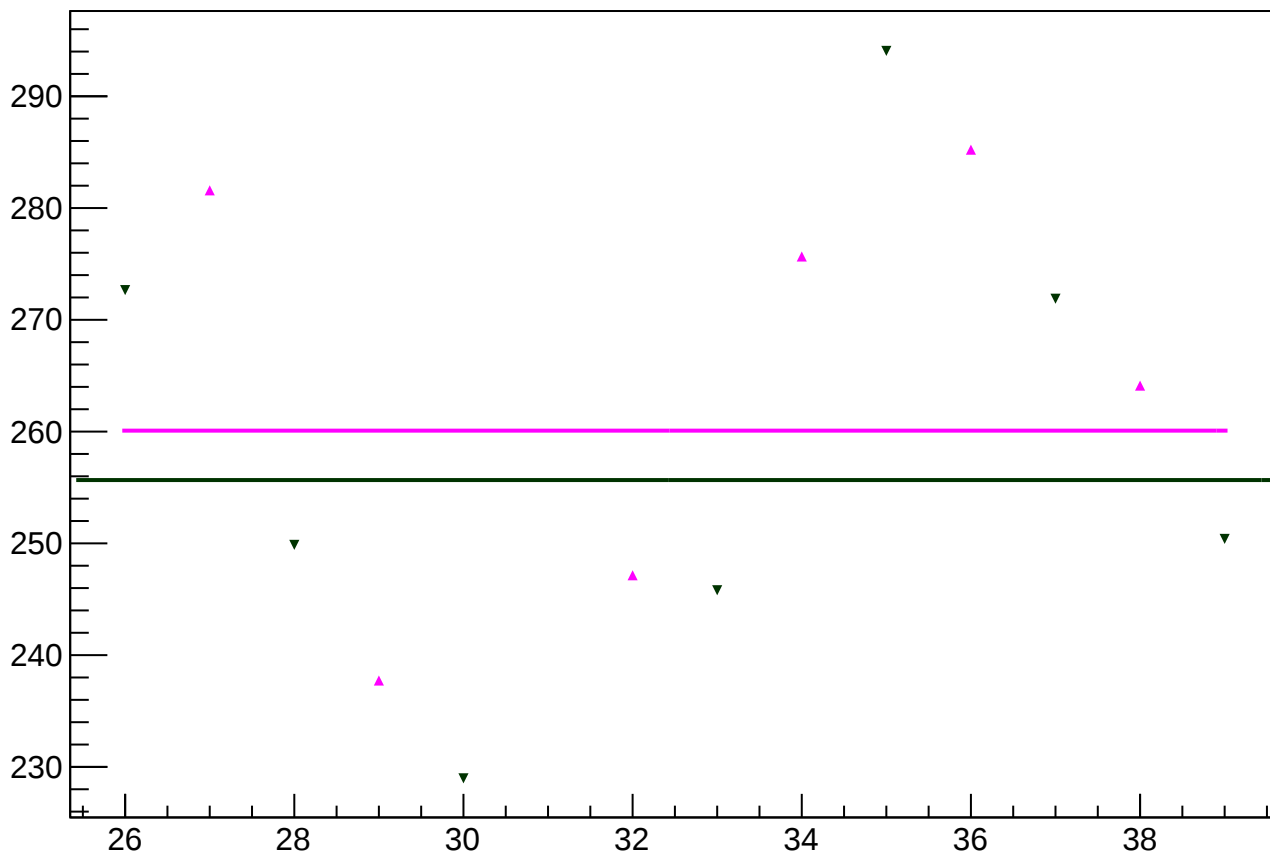
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -332.552+/-129.262  $\chi^2/\text{NDF}$ : 21.7/5

-310.064+/-132.452  $\chi^2/\text{NDF}$ : 52.5/6

-332.552+/-129.262  $\chi^2/\text{NDF}$ : 21.7/5

# reg\_asym\_sam7\_rms vs slug



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

Left Out: 255.664+/-0.094  $\chi^2/\text{NDF}$ : 42618.8/6

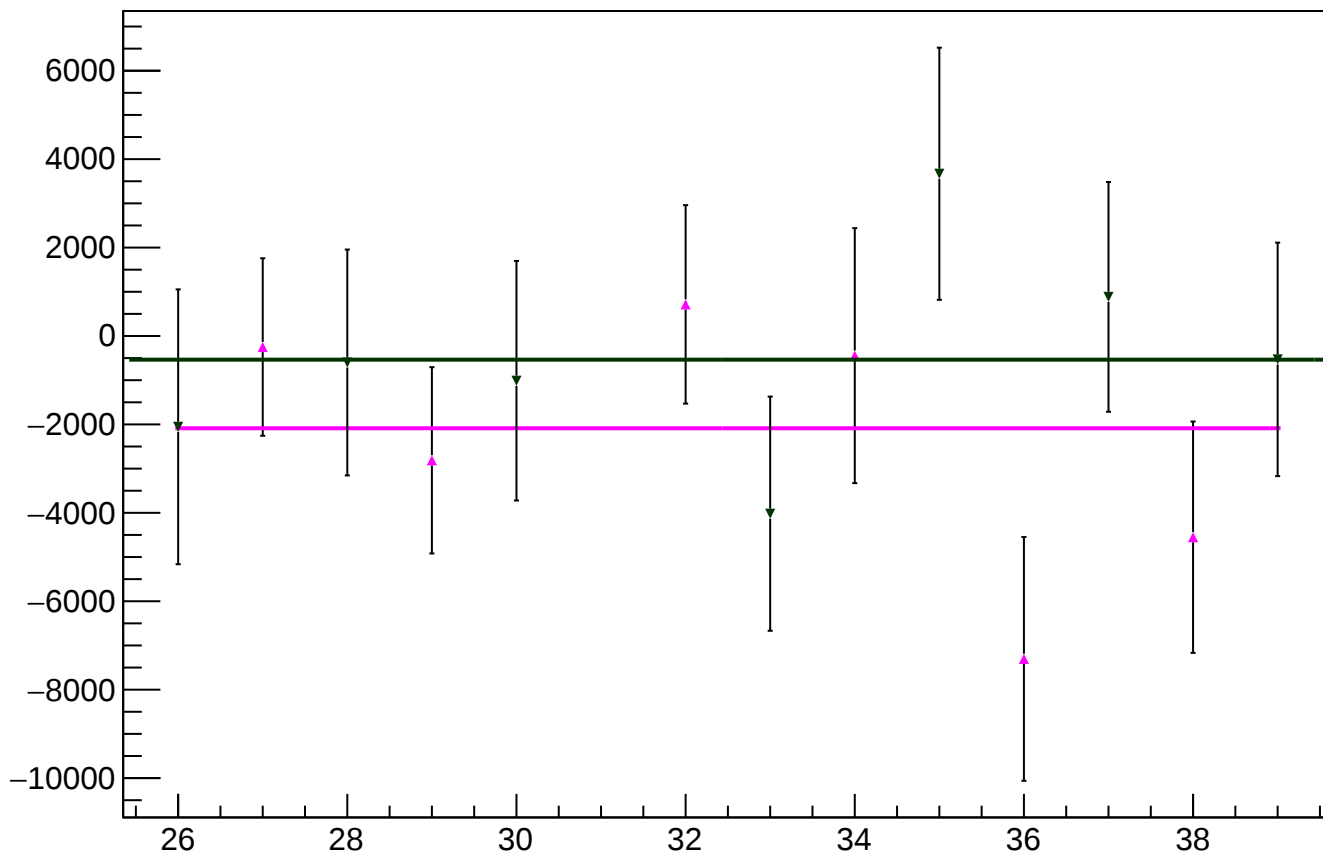
255.664+/-0.094  $\chi^2/\text{NDF}$ : 42618.8/6

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

Left In: 260.085+/-0.091  $\chi^2/\text{NDF}$ : 40357.3/5

260.085+/-0.091  $\chi^2/\text{NDF}$ : 40357.3/5

# asym\_sam7\_correction\_mean vs slug



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

Left Out: -535.646+/-1026.036  $\chi^2/\text{NDF}$ : 4.5/6

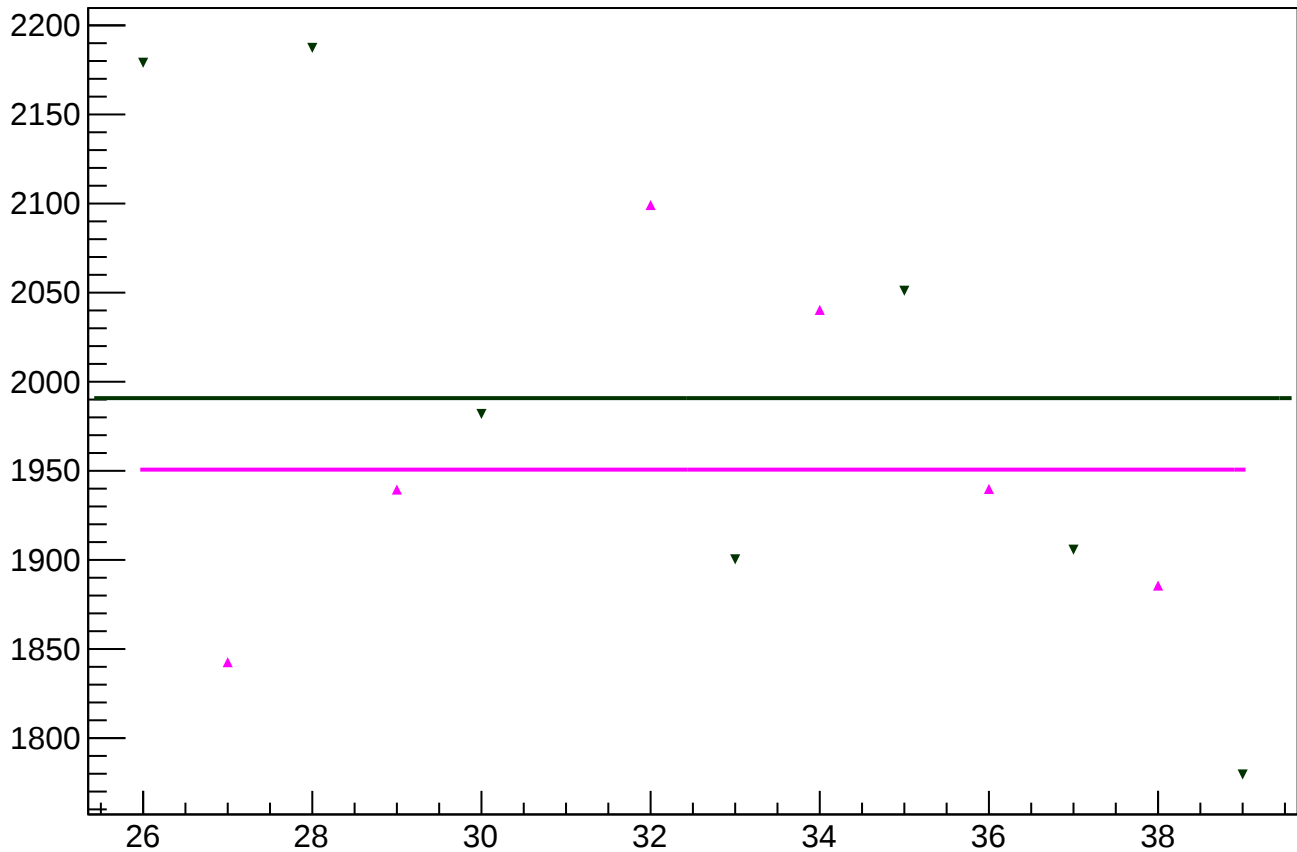
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2087.093+/-966.884  $\chi^2/\text{NDF}$ : 7.3/5

-535.646+/-1026.036  $\chi^2/\text{NDF}$ : 4.5/6

-2087.093+/-966.884  $\chi^2/\text{NDF}$ : 7.3/5

# asym\_sam7\_correction\_rms vs slug



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

Left Out: 1990.797+/-0.726  $\chi^2/\text{NDF}$ : 37356.6/6

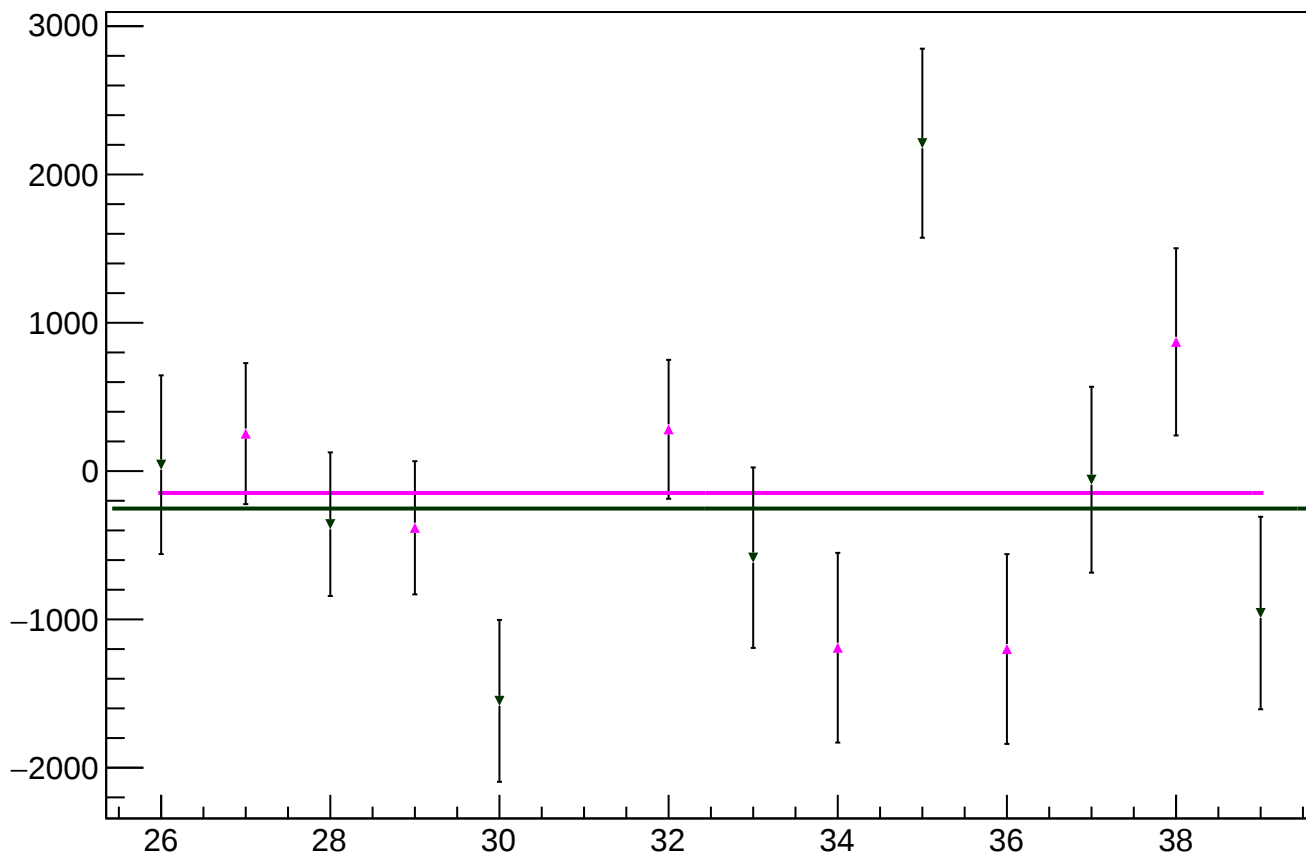
1990.797+/-0.726  $\chi^2/\text{NDF}$ : 37356.6/6

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

1950.675+/-0.684  $\chi^2/\text{NDF}$ : 17807.3/5

Left In: 1950.675+/-0.684  $\chi^2/\text{NDF}$ : 17807.3/5

# reg\_asym\_sam8\_mean vs slug



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

Left Out: -252.479+/-221.076  $\chi^2/\text{NDF}$ : 22.4/6

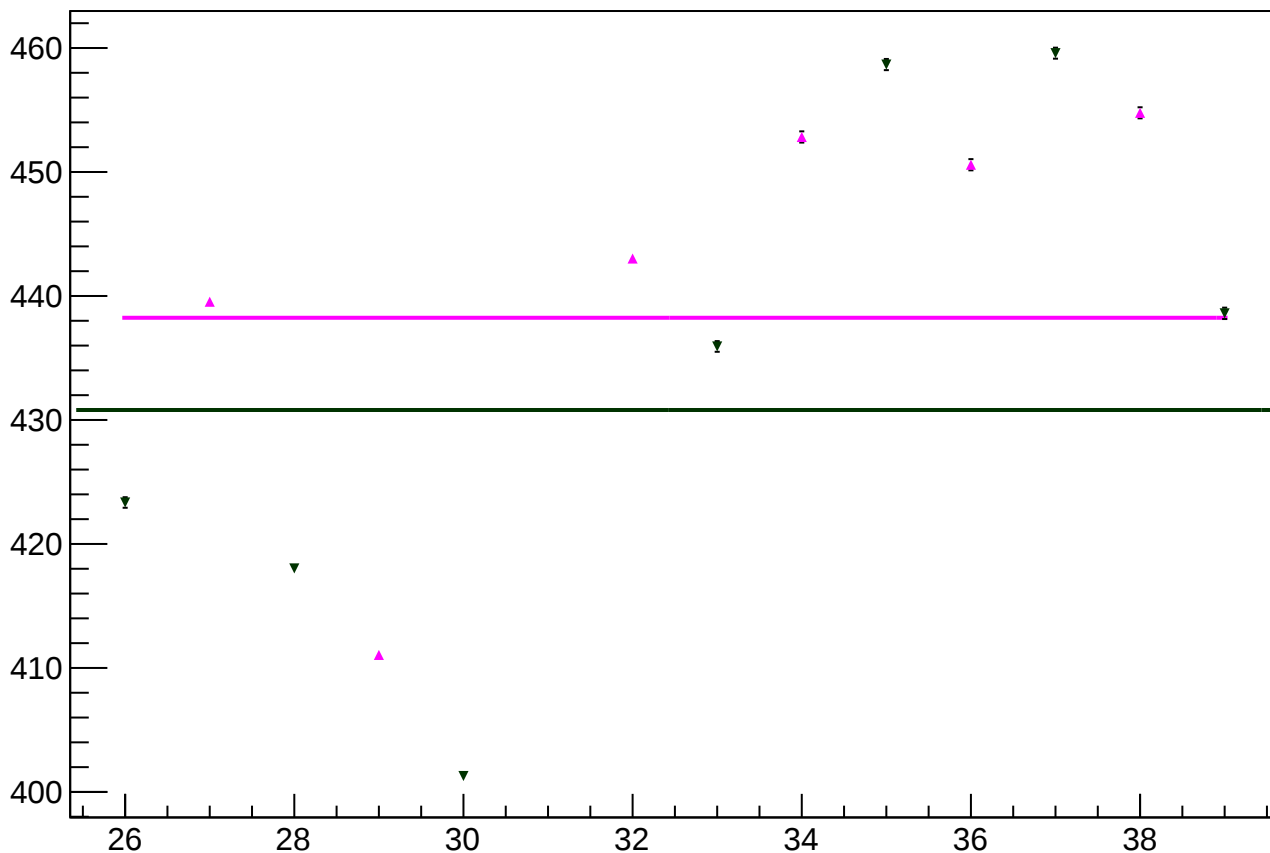
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -147.418+/-216.498  $\chi^2/\text{NDF}$ : 9.8/5

-252.479+/-221.076  $\chi^2/\text{NDF}$ : 22.4/6

-147.418+/-216.498  $\chi^2/\text{NDF}$ : 9.8/5

# reg\_asym\_sam8\_rms vs slug



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

Left Out: 430.805+/-0.156  $\chi^2/\text{NDF}$ : 16020.8/6

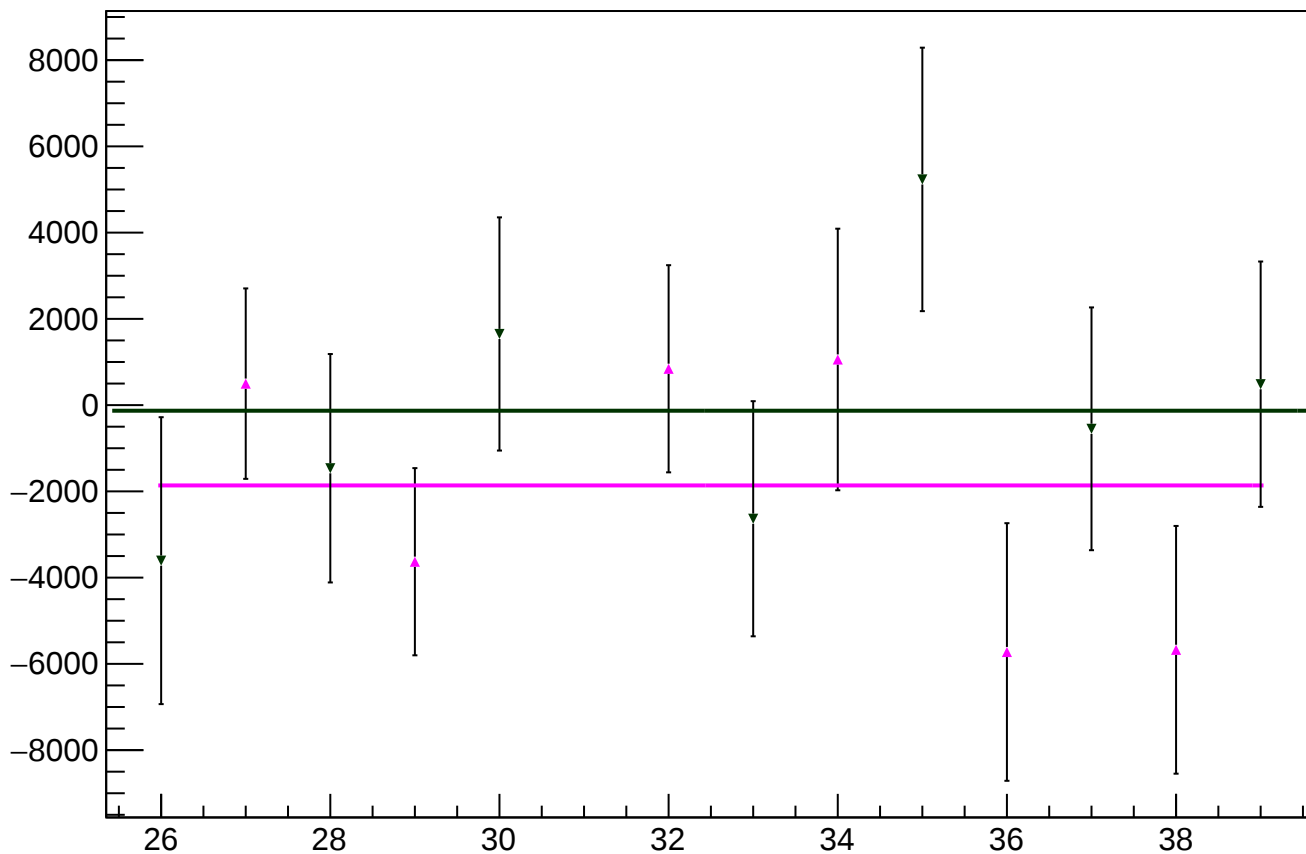
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 438.243+/-0.153  $\chi^2/\text{NDF}$ : 10708.5/5

430.805+/-0.156  $\chi^2/\text{NDF}$ : 16020.8/6

438.243+/-0.153  $\chi^2/\text{NDF}$ : 10708.5/5

# asym\_sam8\_correction\_mean vs slug



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

Left Out: -129.989+/-1077.544  $\chi^2/\text{NDF}$ : 5.8/6

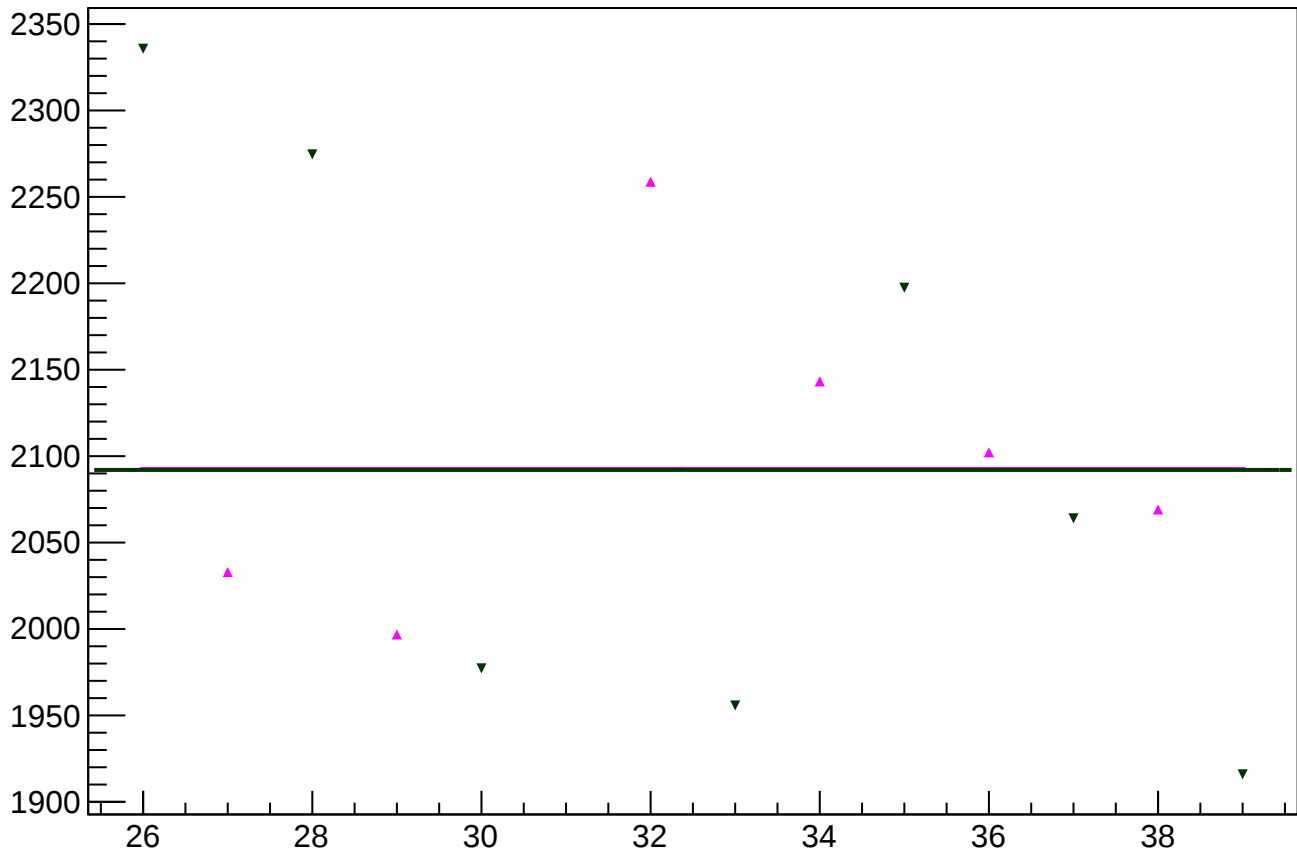
-129.989+/-1077.544  $\chi^2/\text{NDF}$ : 5.8/6

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

-1862.264+/-1035.427  $\chi^2/\text{NDF}$ : 7.4/5

Left In: -1862.264+/-1035.427  $\chi^2/\text{NDF}$ : 7.4/5

# asym\_sam8\_correction\_rms vs slug



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

Left Out: 2092.028+/-0.762  $\chi^2/\text{NDF}$ : 39086.7/6

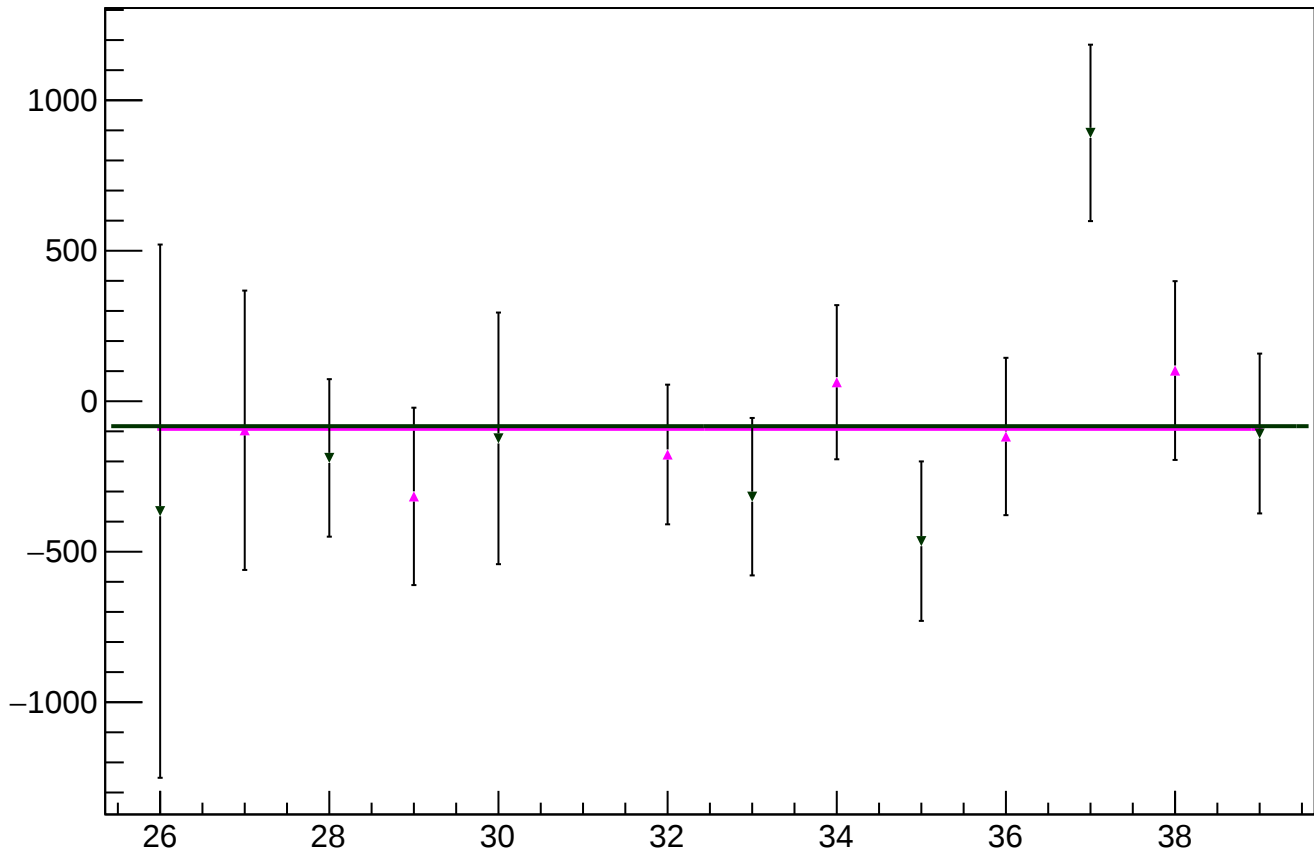
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2092.577+/-0.732  $\chi^2/\text{NDF}$ : 15635.2/5

2092.028+/-0.762  $\chi^2/\text{NDF}$ : 39086.7/6

2092.577+/-0.732  $\chi^2/\text{NDF}$ : 15635.2/5

# asym\_sam\_15\_avg\_mean vs slug



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

Left Out: -82.881+/-114.493  $\chi^2/\text{NDF}$ : 14.2/6

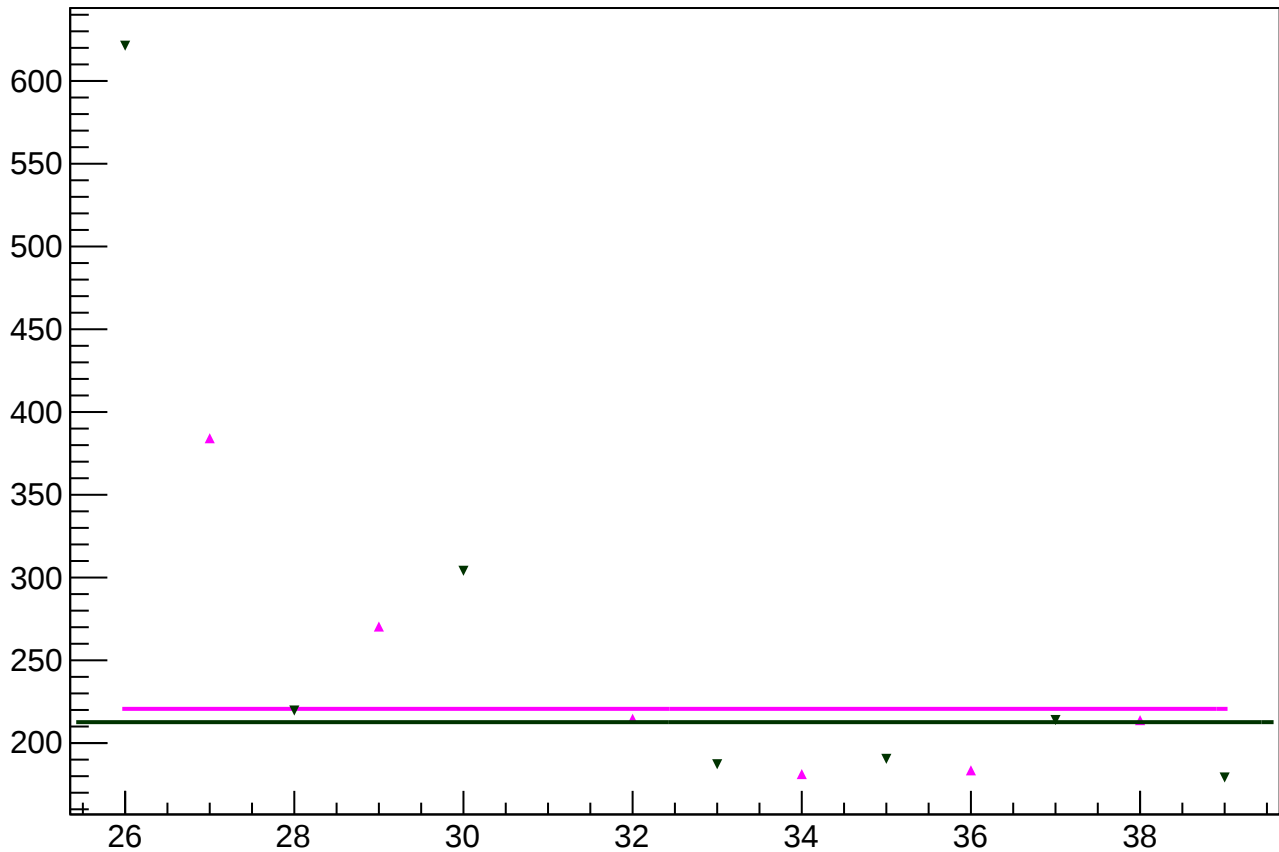
-82.881+/-114.493  $\chi^2/\text{NDF}$ : 14.2/6

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

-91.761+/-114.744  $\chi^2/\text{NDF}$ : 1.5/5

Left In: -91.761+/-114.744  $\chi^2/\text{NDF}$ : 1.5/5

# asym\_sam\_15\_avg\_rms vs slug



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

Left Out: 212.639+/-0.081  $\chi^2/\text{NDF}$ : 587413.8/6

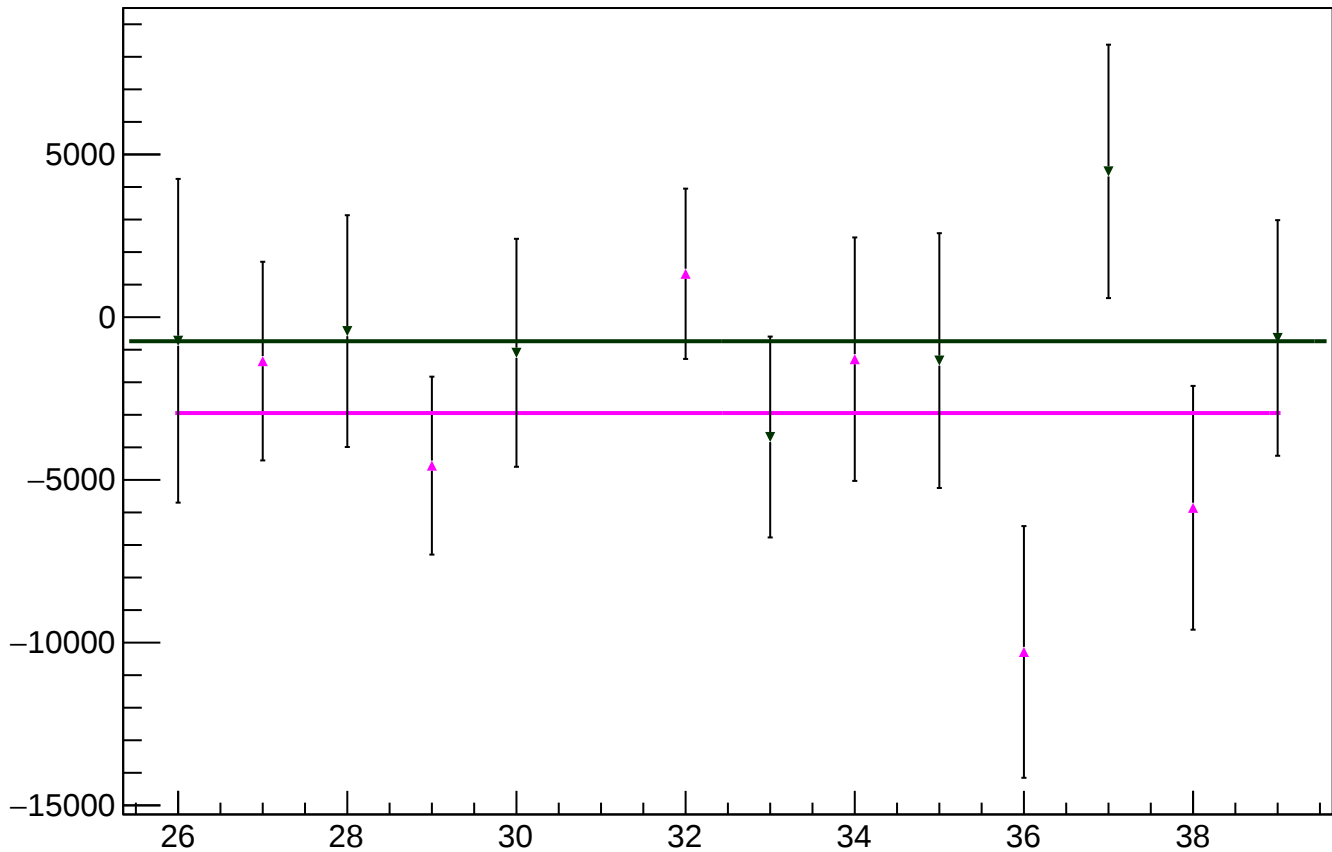
212.639+/-0.081  $\chi^2/\text{NDF}$ : 587413.8/6

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

220.673+/-0.081  $\chi^2/\text{NDF}$ : 395263.8/5

Left In: 220.673+/-0.081  $\chi^2/\text{NDF}$ : 395263.8/5

# asym\_sam\_26\_avg\_mean vs slug



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

Left Out: -738.709+/-1395.724  $\chi^2/\text{NDF}$ : 2.7/6

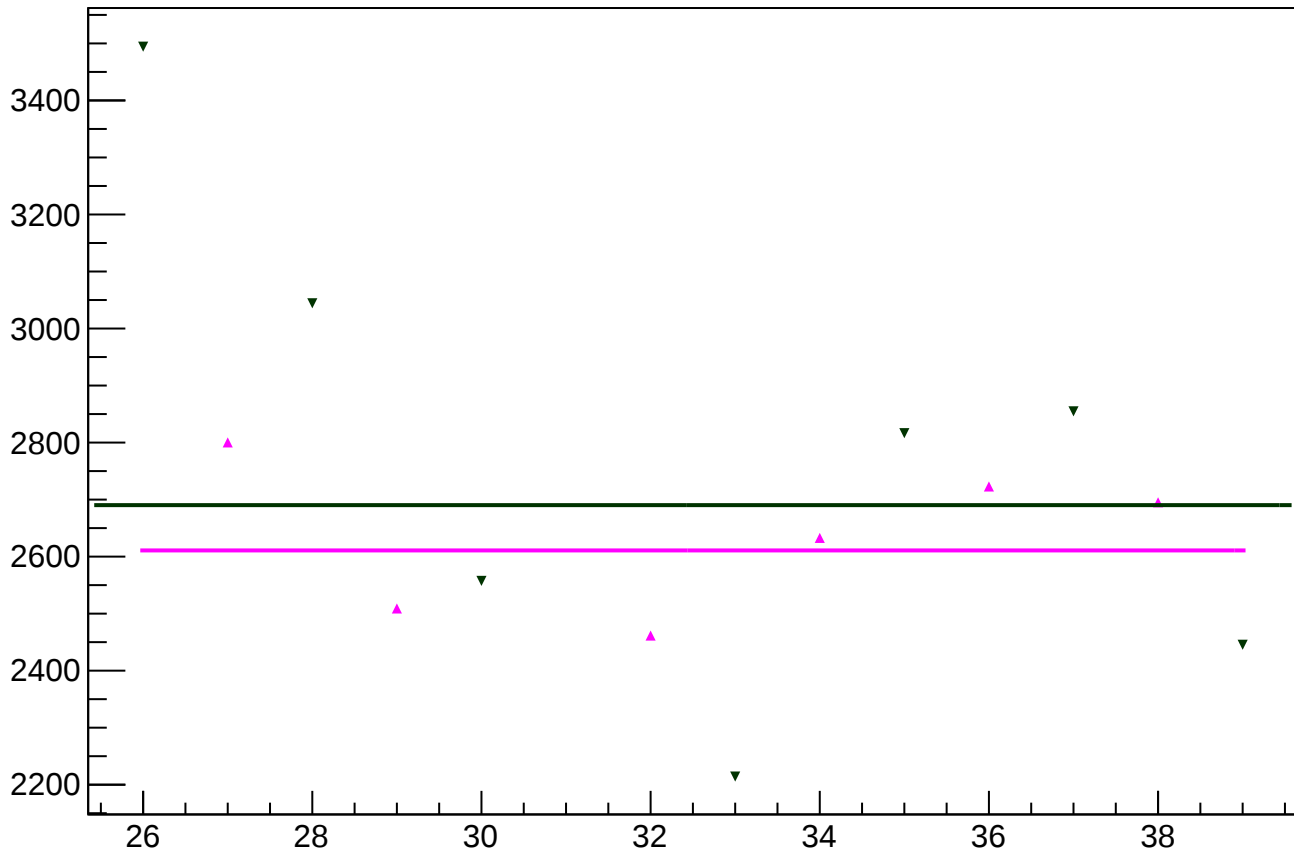
-738.709+/-1395.724  $\chi^2/\text{NDF}$ : 2.7/6

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

-2945.551+/-1294.342  $\chi^2/\text{NDF}$ : 7.7/5

Left In: -2945.551+/-1294.342  $\chi^2/\text{NDF}$ : 7.7/5

# asym\_sam\_26\_avg\_rms vs slug



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

Left Out: 2690.293+/-0.987  $\chi^2/\text{NDF}$ :137285.4/6

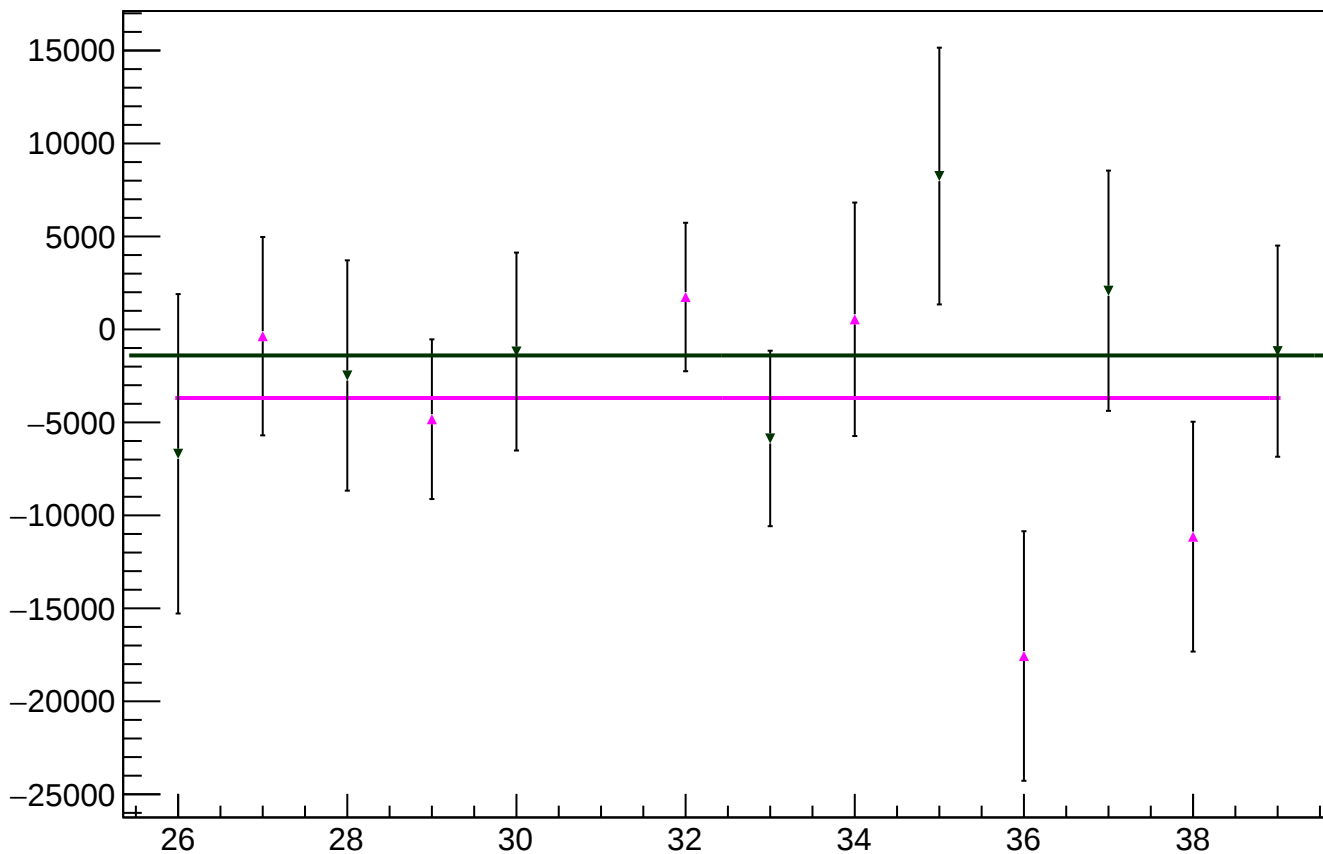
2690.293+/-0.987  $\chi^2/\text{NDF}$ : 137285.4/6

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

2610.853+/-0.915  $\chi^2/\text{NDF}$ : 19756.9/5

Left In: 2610.853+/-0.915  $\chi^2/\text{NDF}$ :19756.9/5

# asym\_sam\_37\_avg\_mean vs slug



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

Left Out: -1399.356+/-2260.005  $\chi^2/\text{NDF}$ : 3.6/6

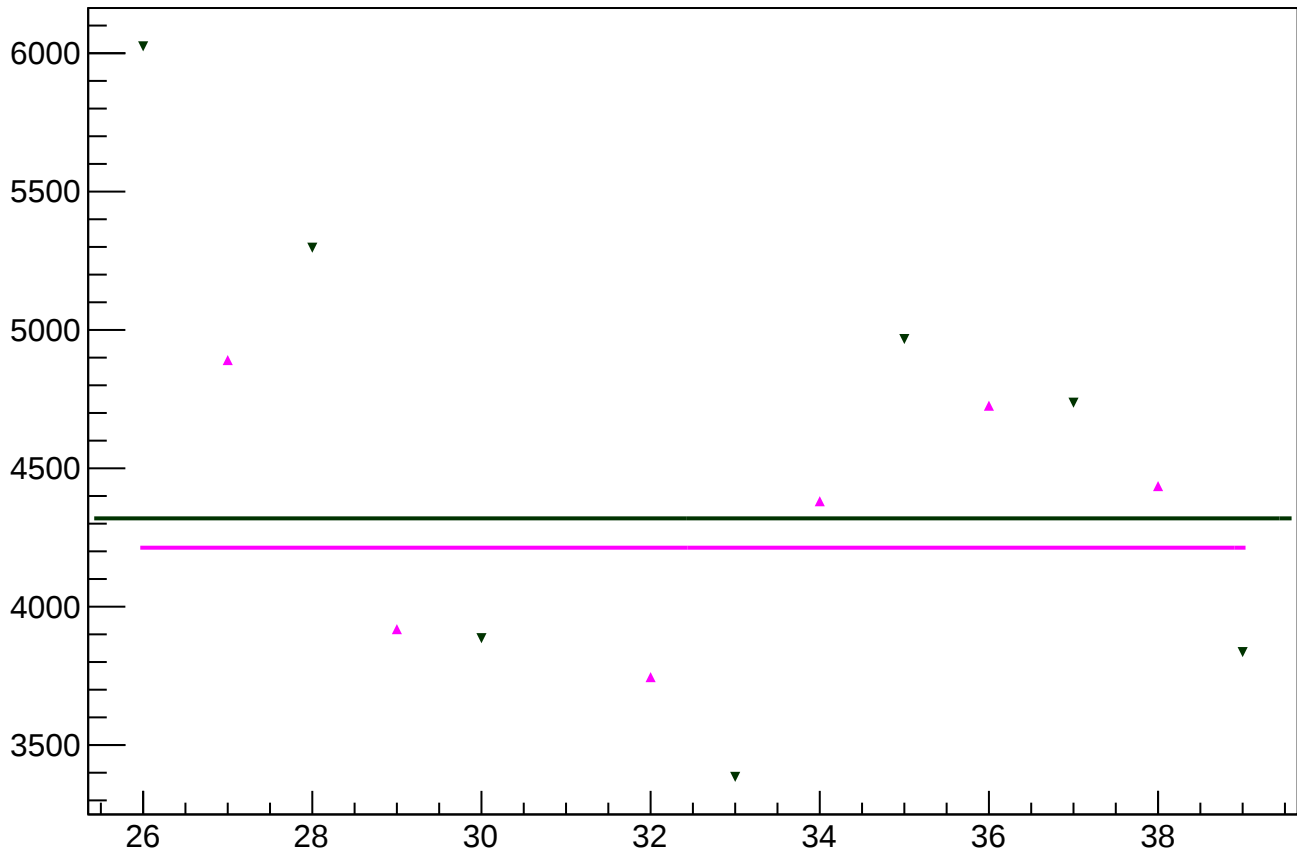
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -3688.354+/-2104.191  $\chi^2/\text{NDF}$ : 8.5/5

-1399.356+/-2260.005  $\chi^2/\text{NDF}$ : 3.6/6

-3688.354+/-2104.191  $\chi^2/\text{NDF}$ : 8.5/5

# asym\_sam\_37\_avg\_rms vs slug



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

Left Out: 4319.141+/-1.598  $\chi^2/\text{NDF}$ :260850.2/6

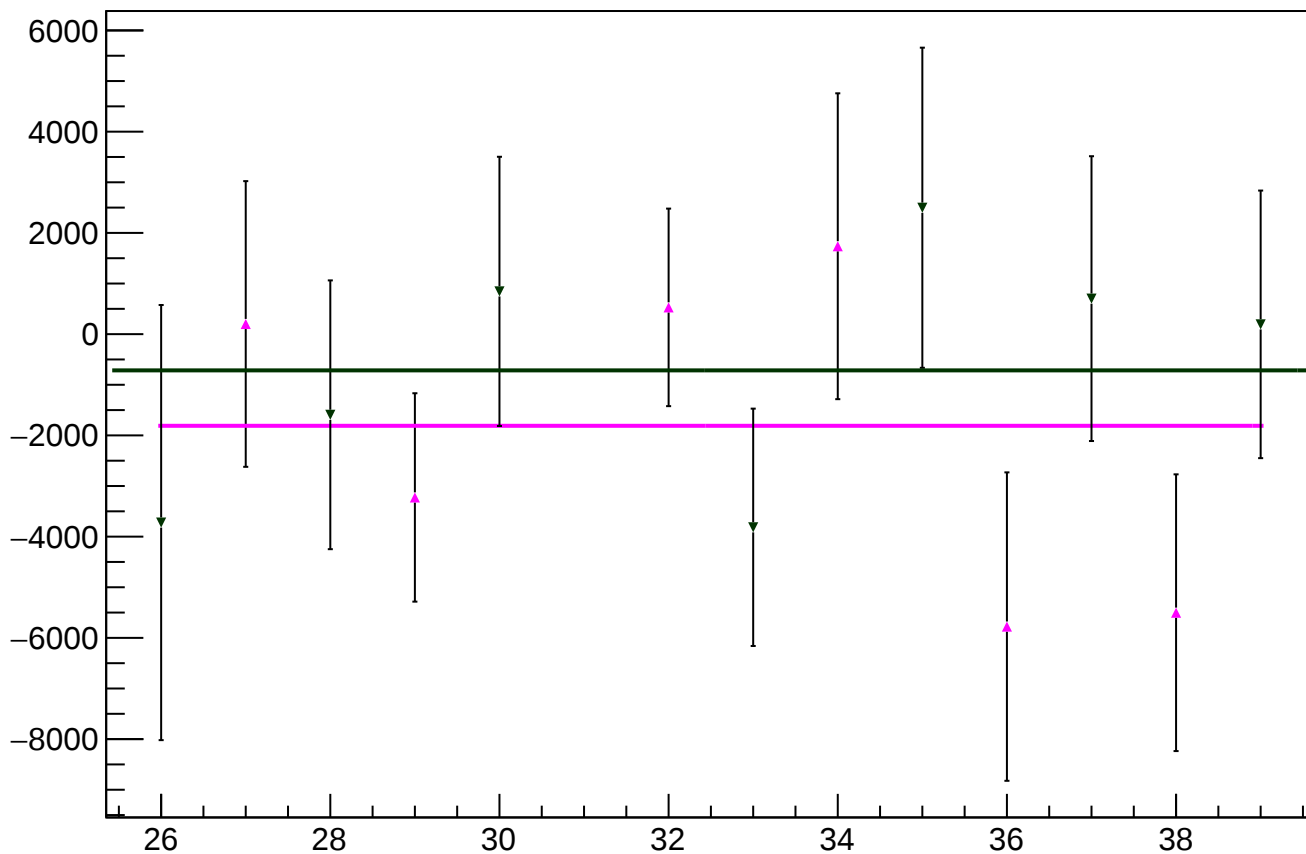
4319.141+/-1.598  $\chi^2/\text{NDF}$ : 260850.2/6

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

4213.147+/-1.488  $\chi^2/\text{NDF}$ : 84874.8/5

Left In: 4213.147+/-1.488  $\chi^2/\text{NDF}$ :84874.8/5

# asym\_sam\_48\_avg\_mean vs slug



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

Left Out: -715.648+/-1060.656  $\chi^2/\text{NDF}$ : 4.1/6

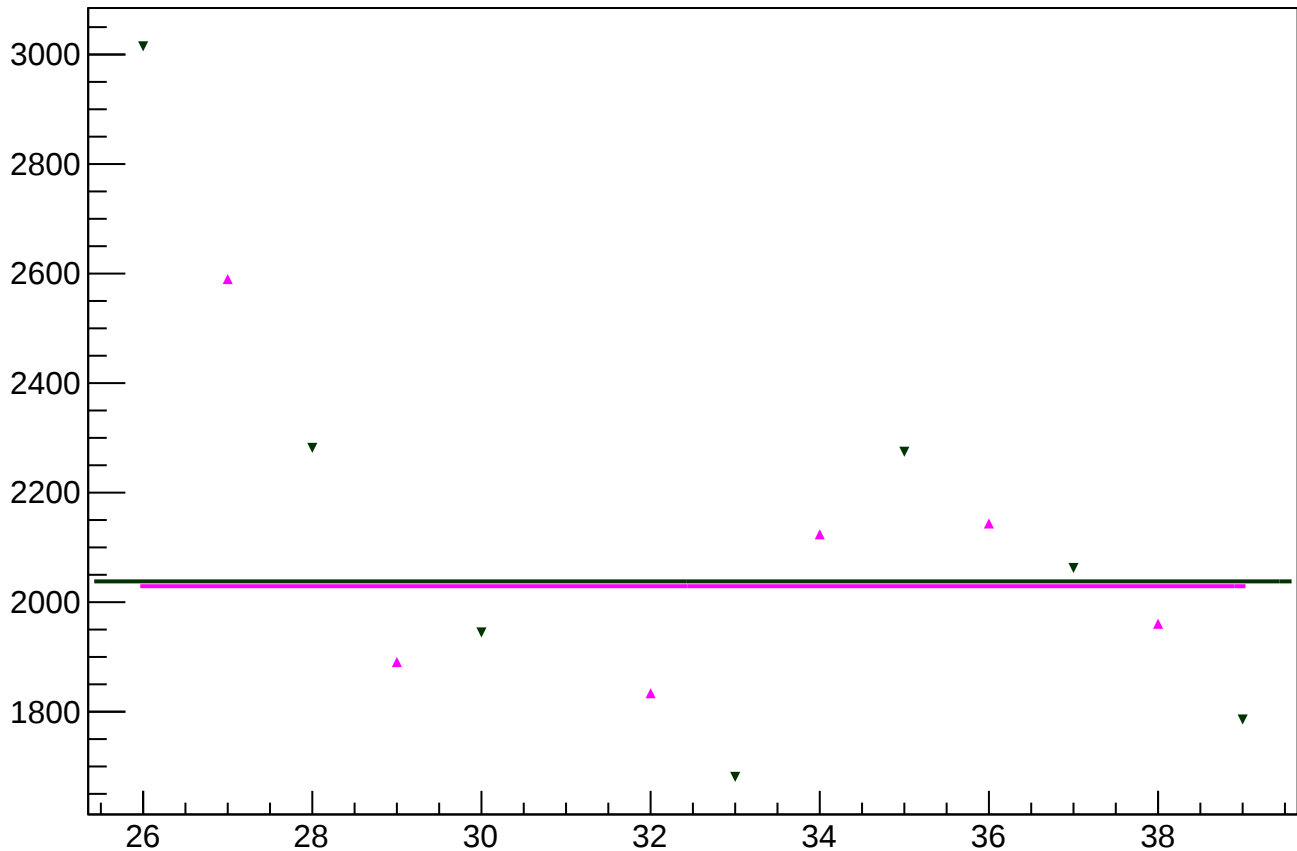
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1810.444+/-1012.499  $\chi^2/\text{NDF}$ : 7.3/5

-715.648+/-1060.656  $\chi^2/\text{NDF}$ : 4.1/6

-1810.444+/-1012.499  $\chi^2/\text{NDF}$ : 7.3/5

# asym\_sam\_48\_avg\_rms vs slug



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

Left Out: 2037.974+/-0.750  $\chi^2/\text{NDF}$ :198604.0/6

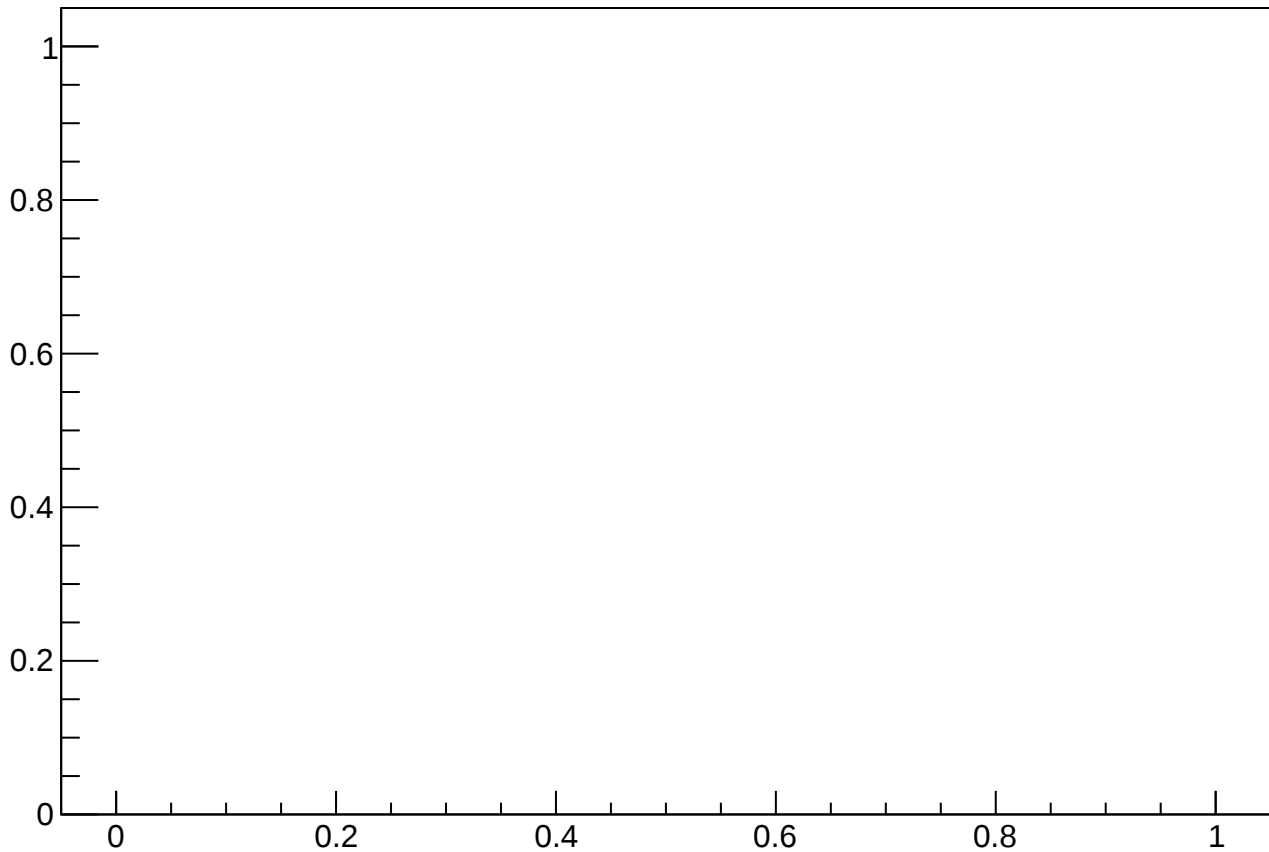
2037.974+/-0.750  $\chi^2/\text{NDF}$ : 198604.0/6

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

2029.157+/-0.716  $\chi^2/\text{NDF}$ : 114144.0/5

Left In: 2029.157+/-0.716  $\chi^2/\text{NDF}$ :114144.0/5

yield\_sam\_15\_avg\_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

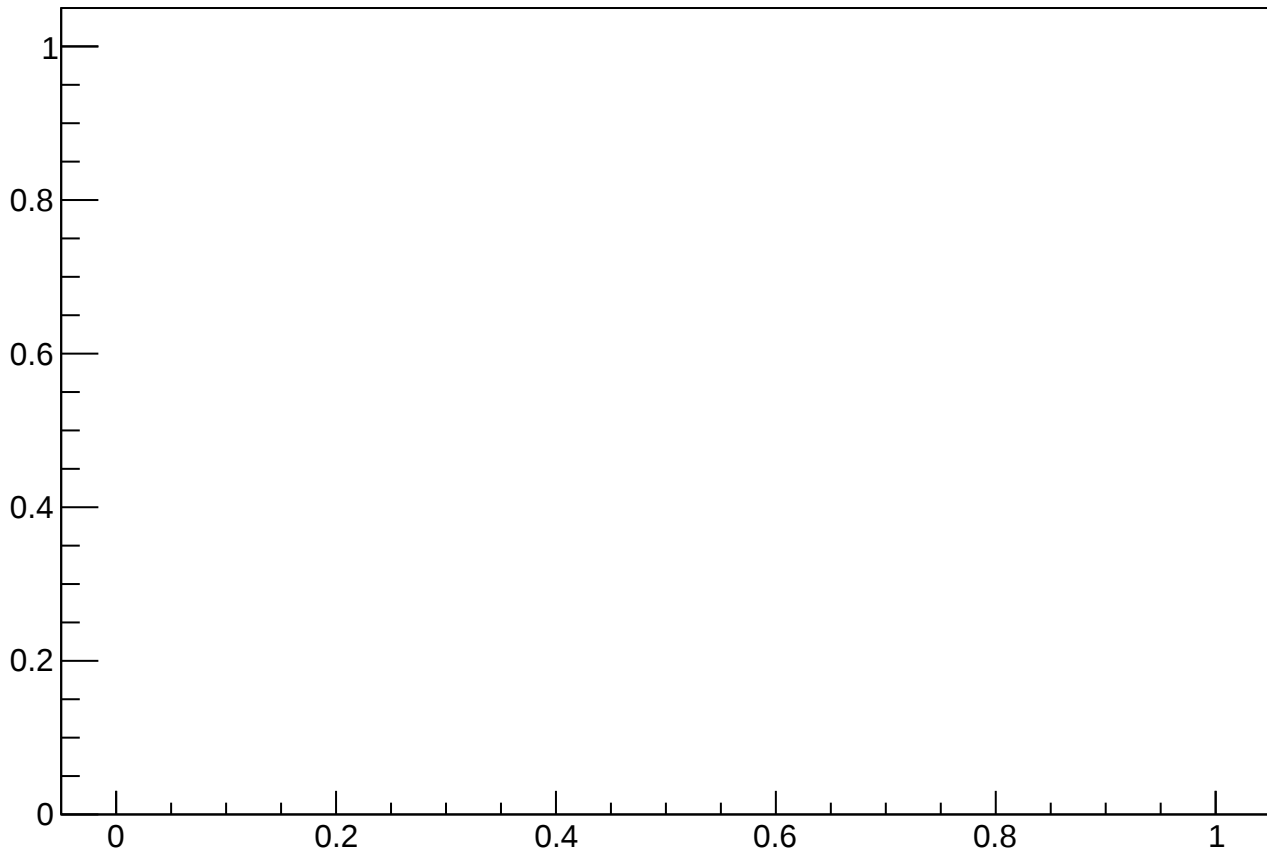
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

# yield\_sam\_15\_avg\_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

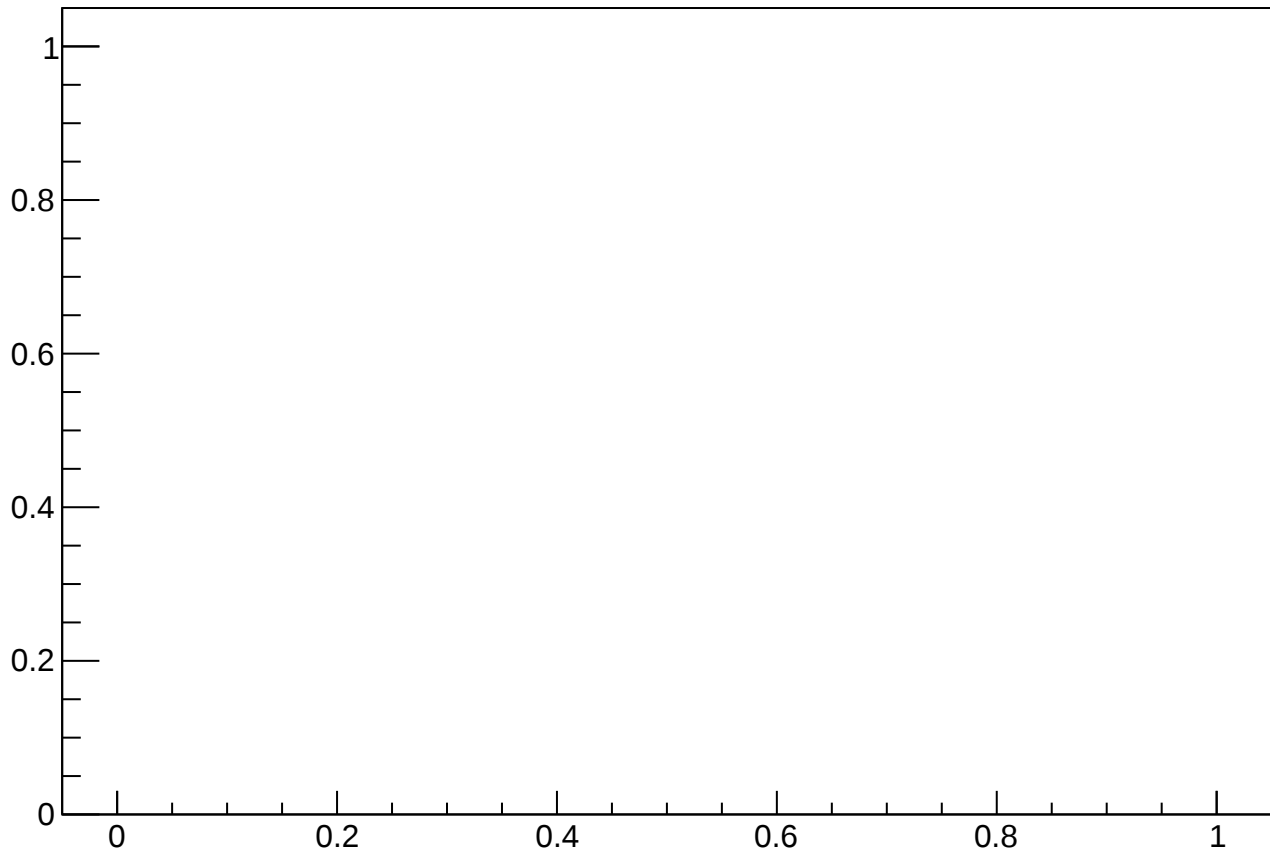
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

yield\_sam\_26\_avg\_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

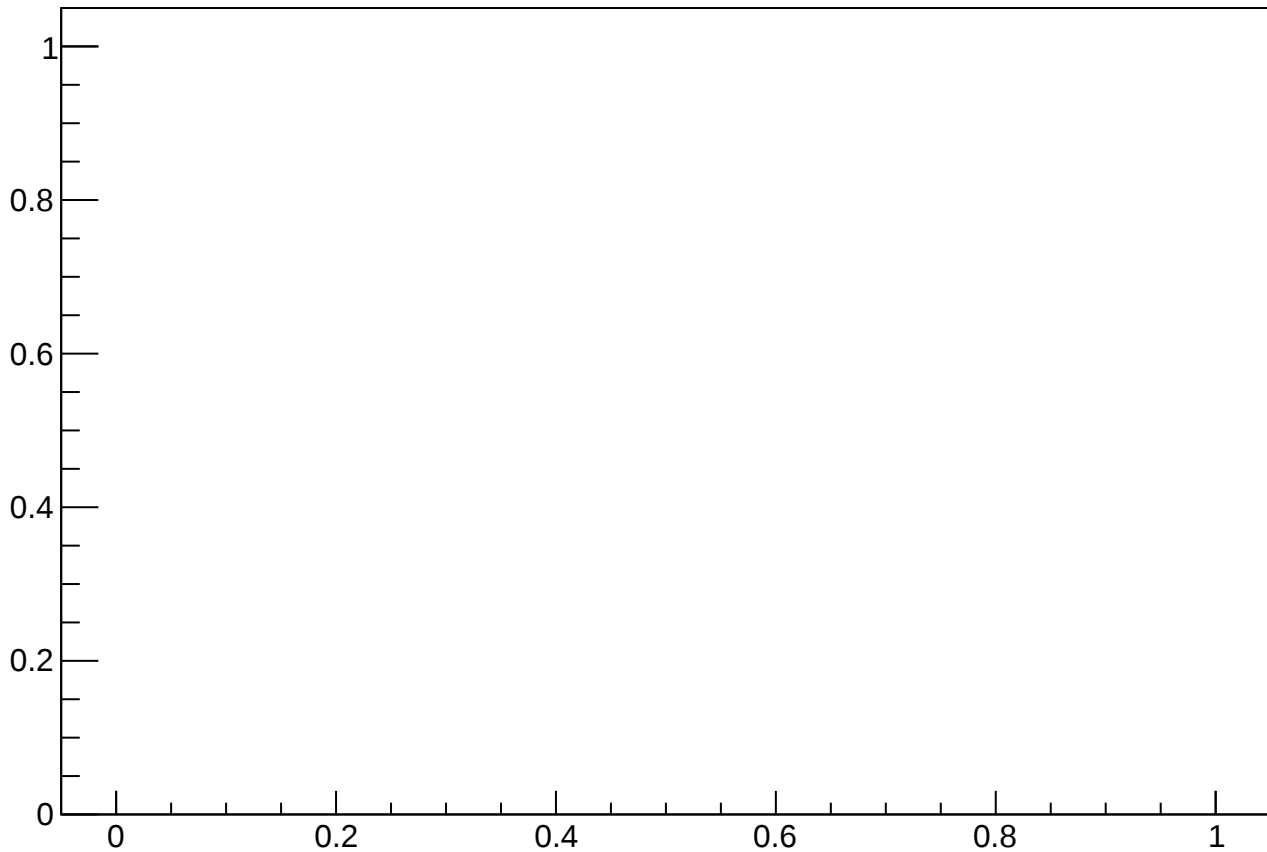
Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

yield\_sam\_26\_avg\_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

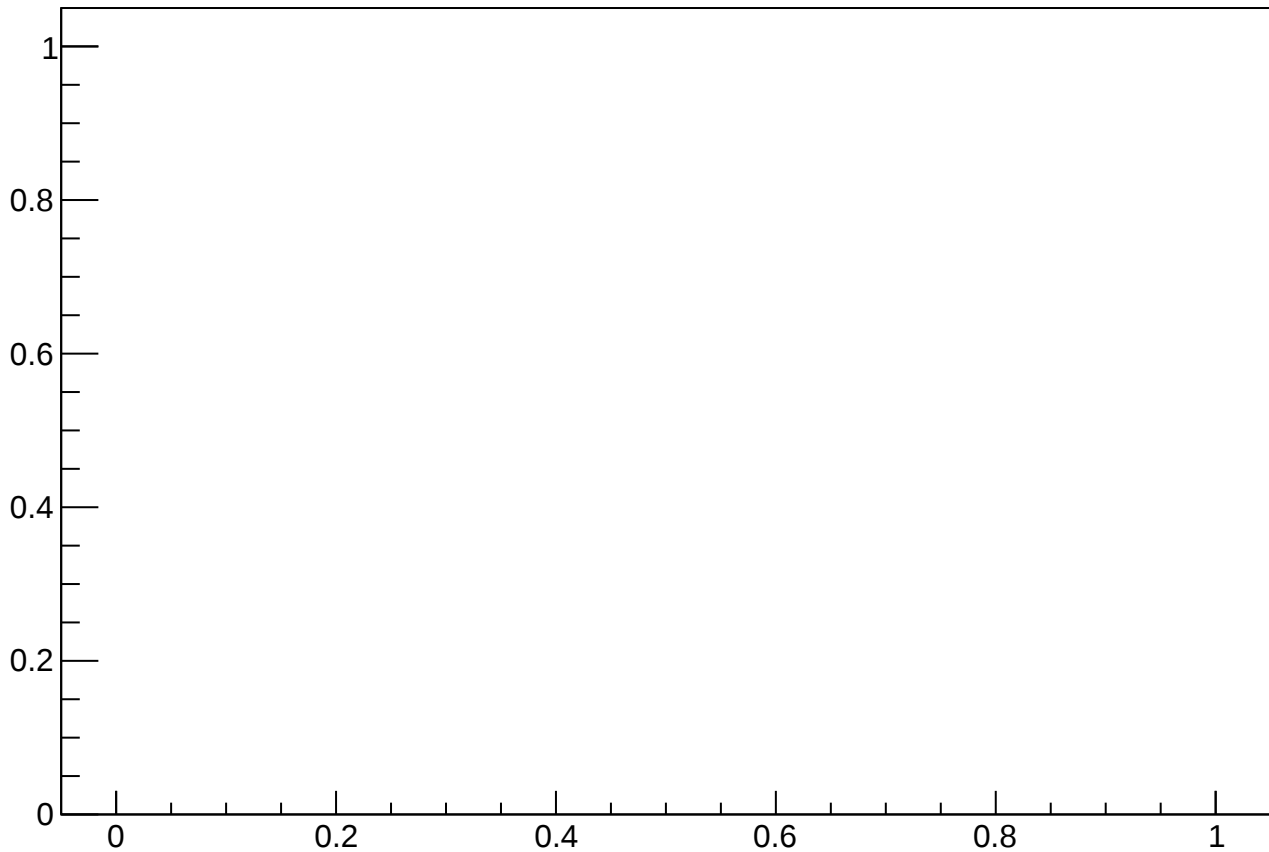
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

yield\_sam\_37\_avg\_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

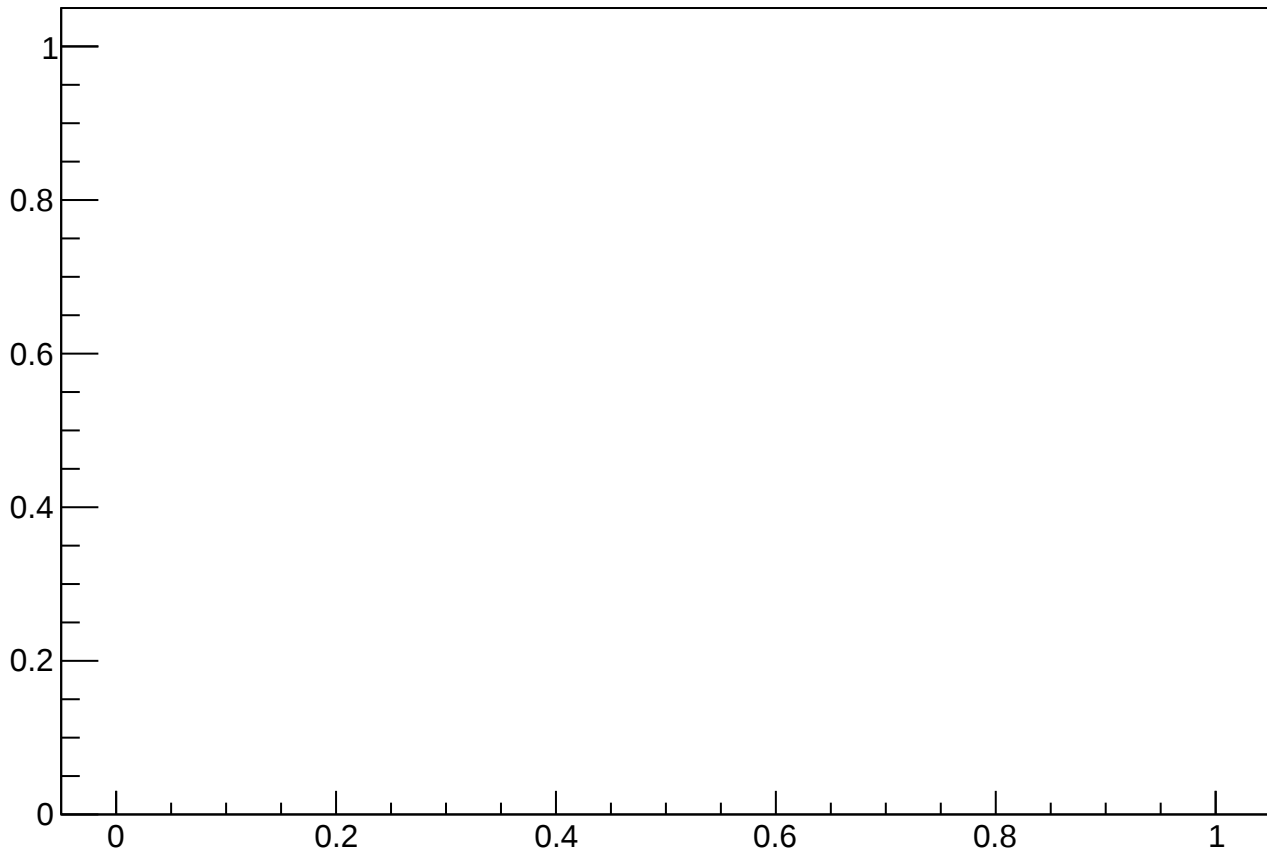
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

yield\_sam\_37\_avg\_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

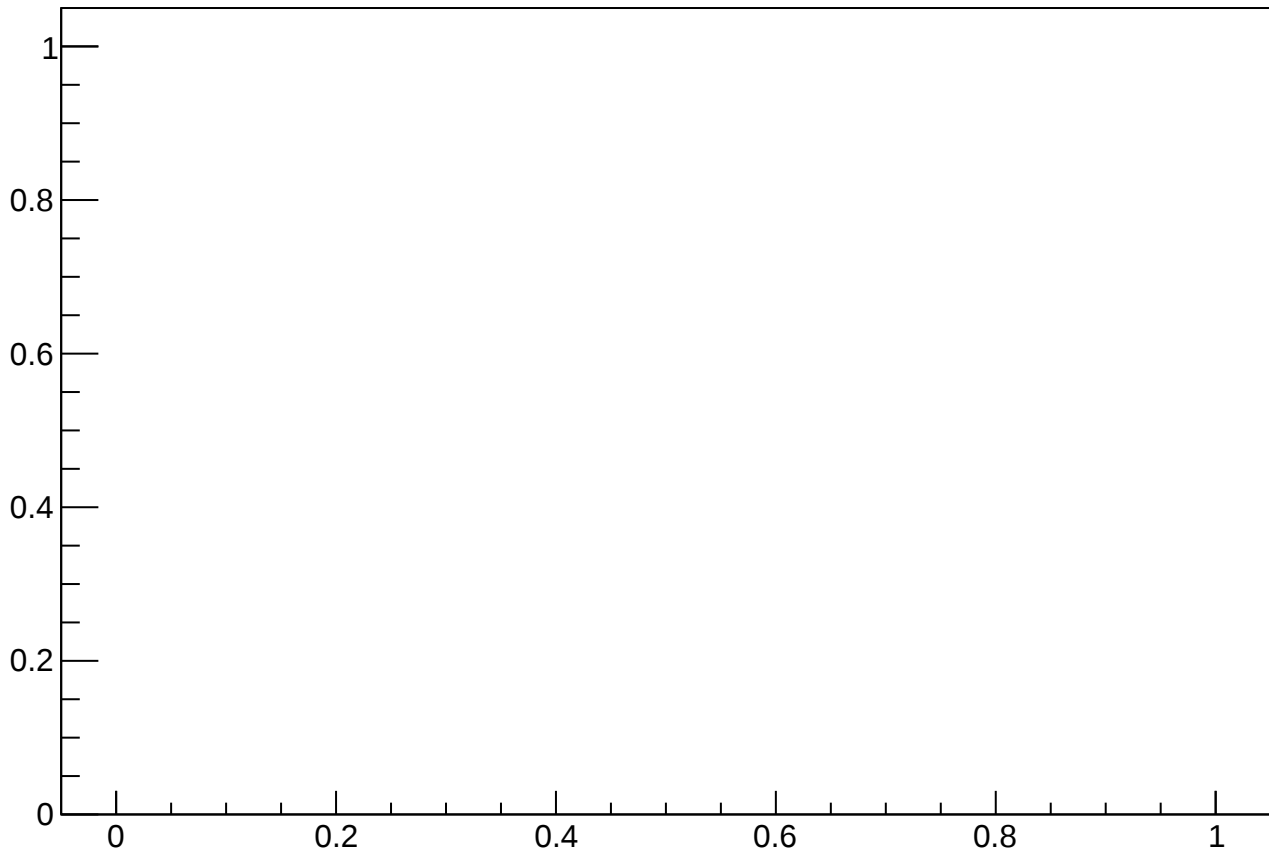
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

yield\_sam\_48\_avg\_mean vs slug

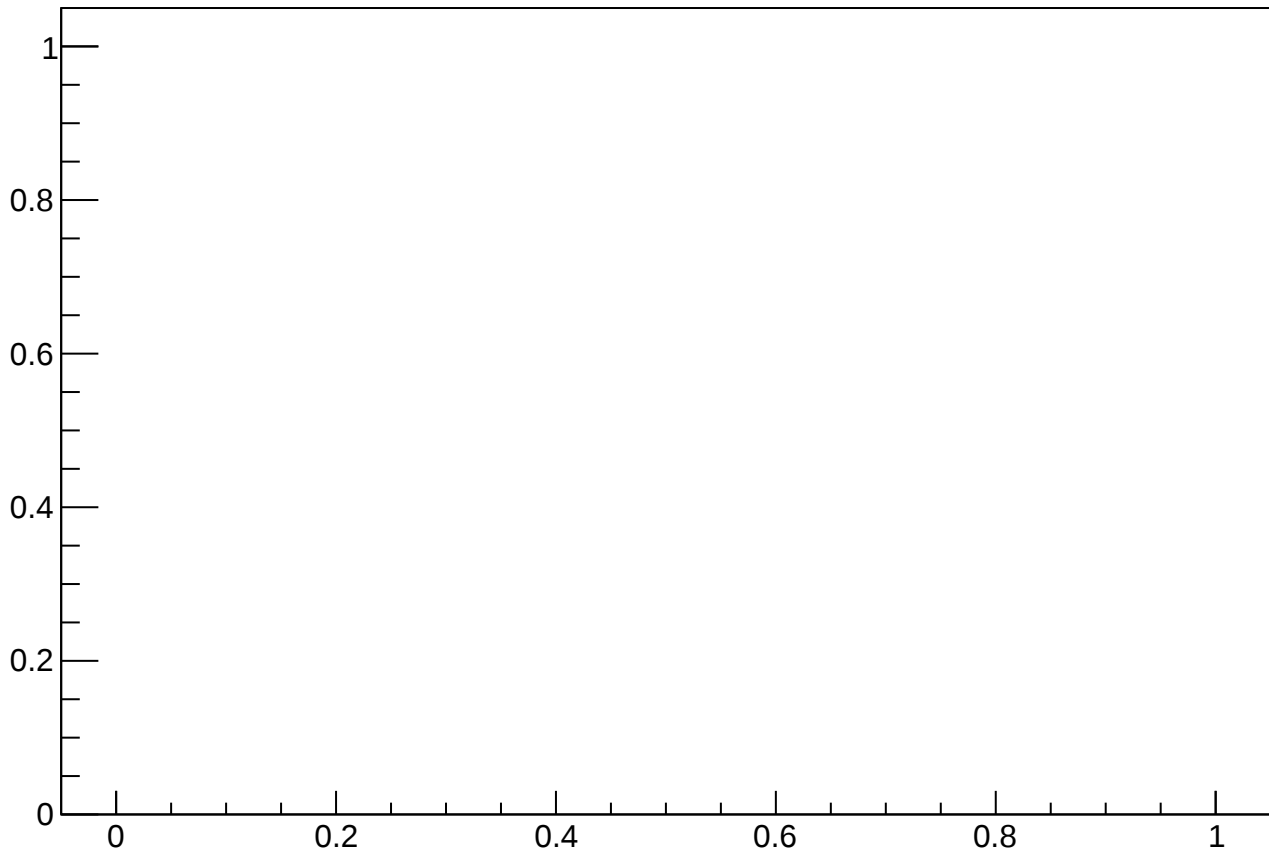


Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

# yield\_sam\_48\_avg\_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

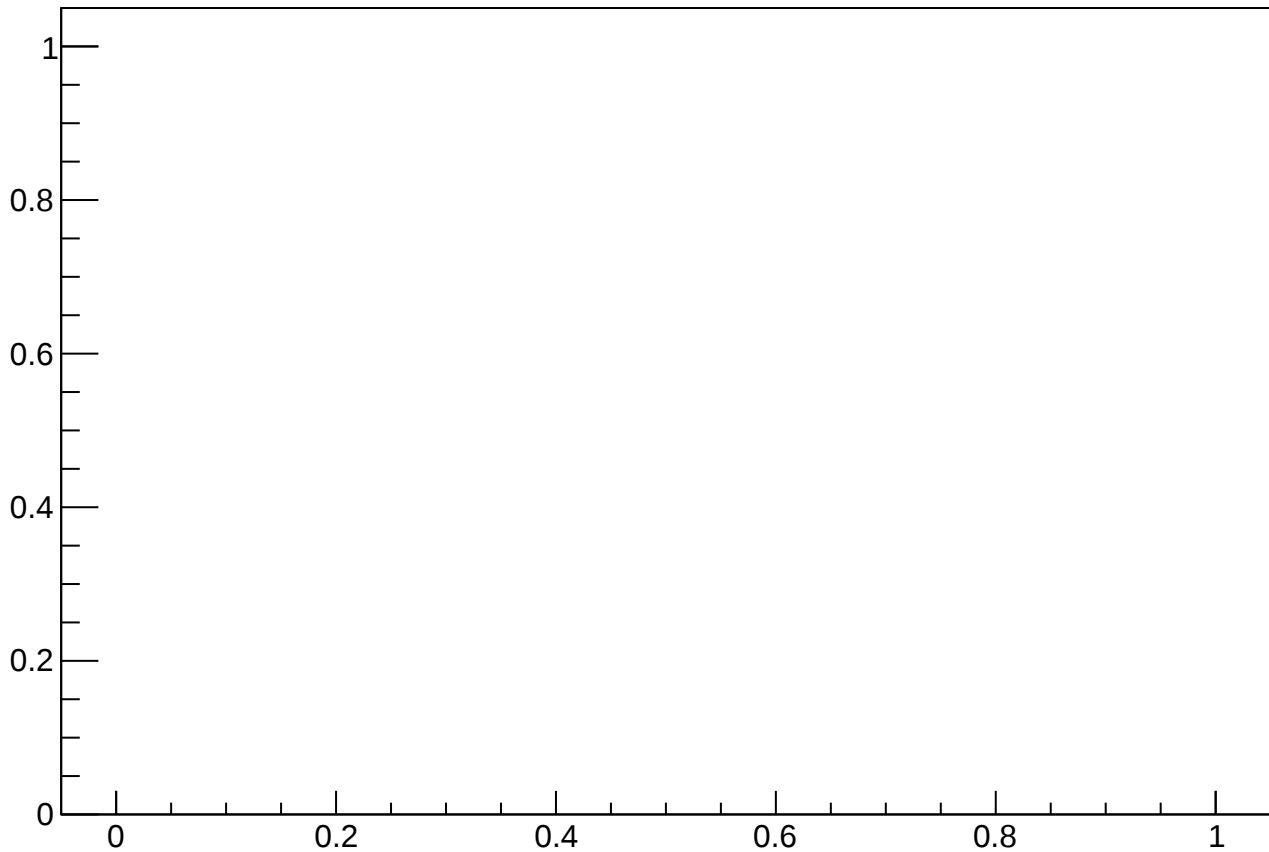
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

cor\_sam\_15\_avg\_mean vs slug



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

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

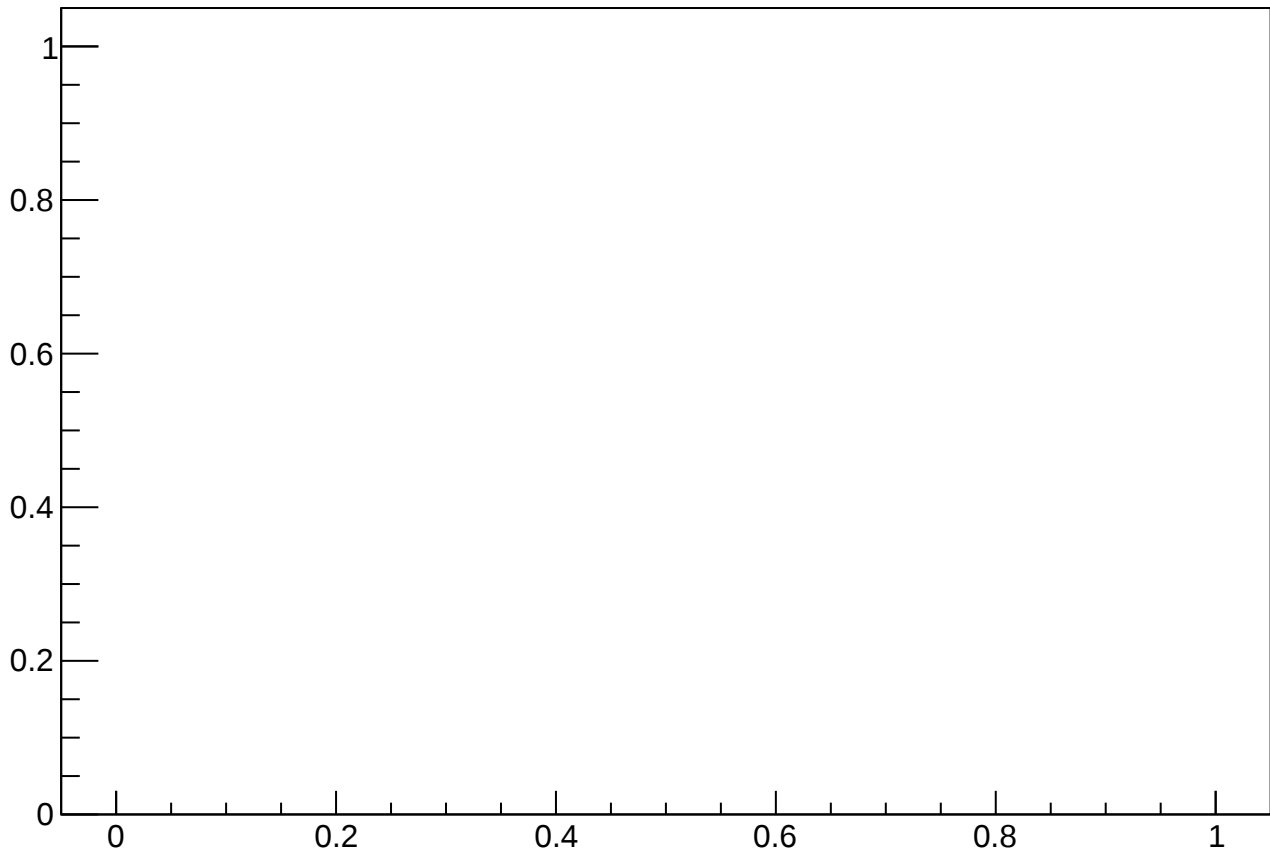
Right Out: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

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

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

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

# cor\_sam\_15\_avg\_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

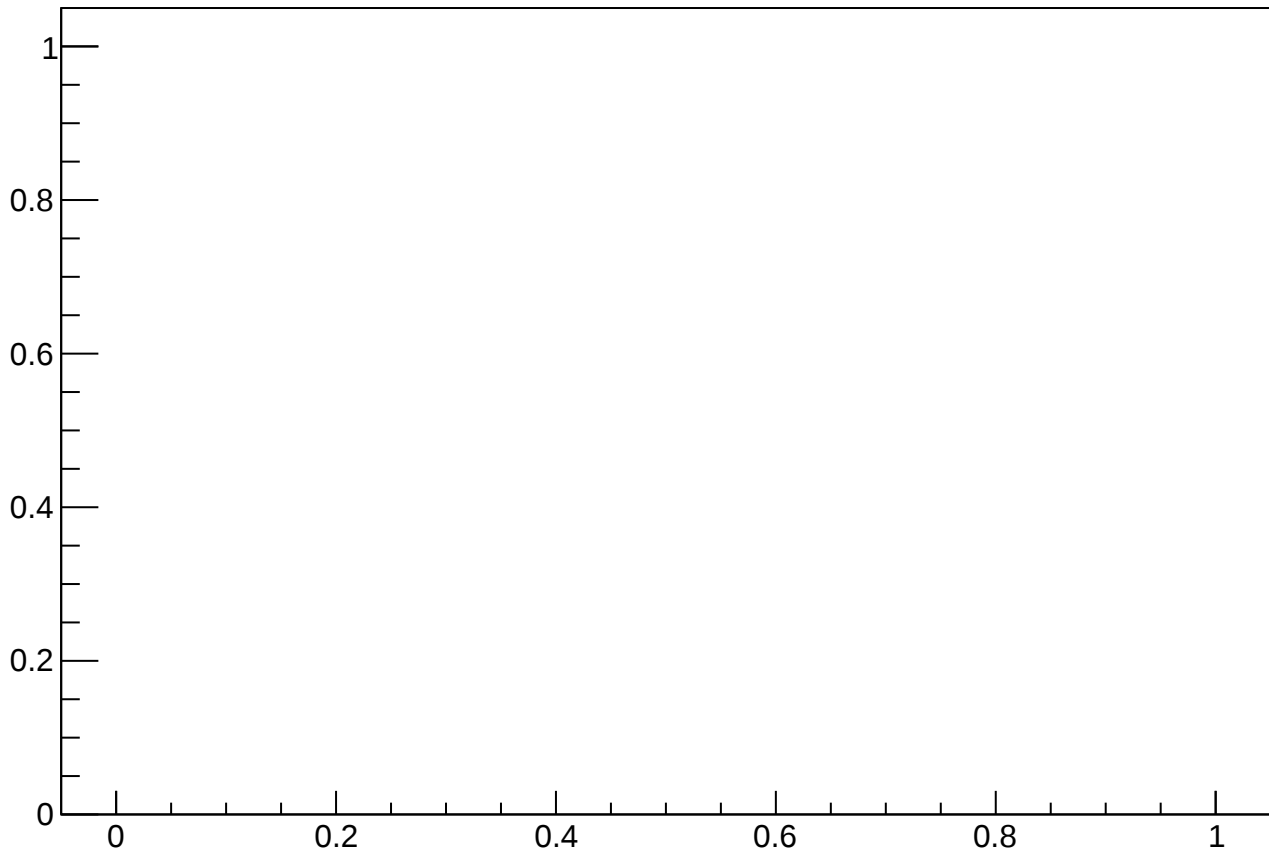
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

cor\_sam\_26\_avg\_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

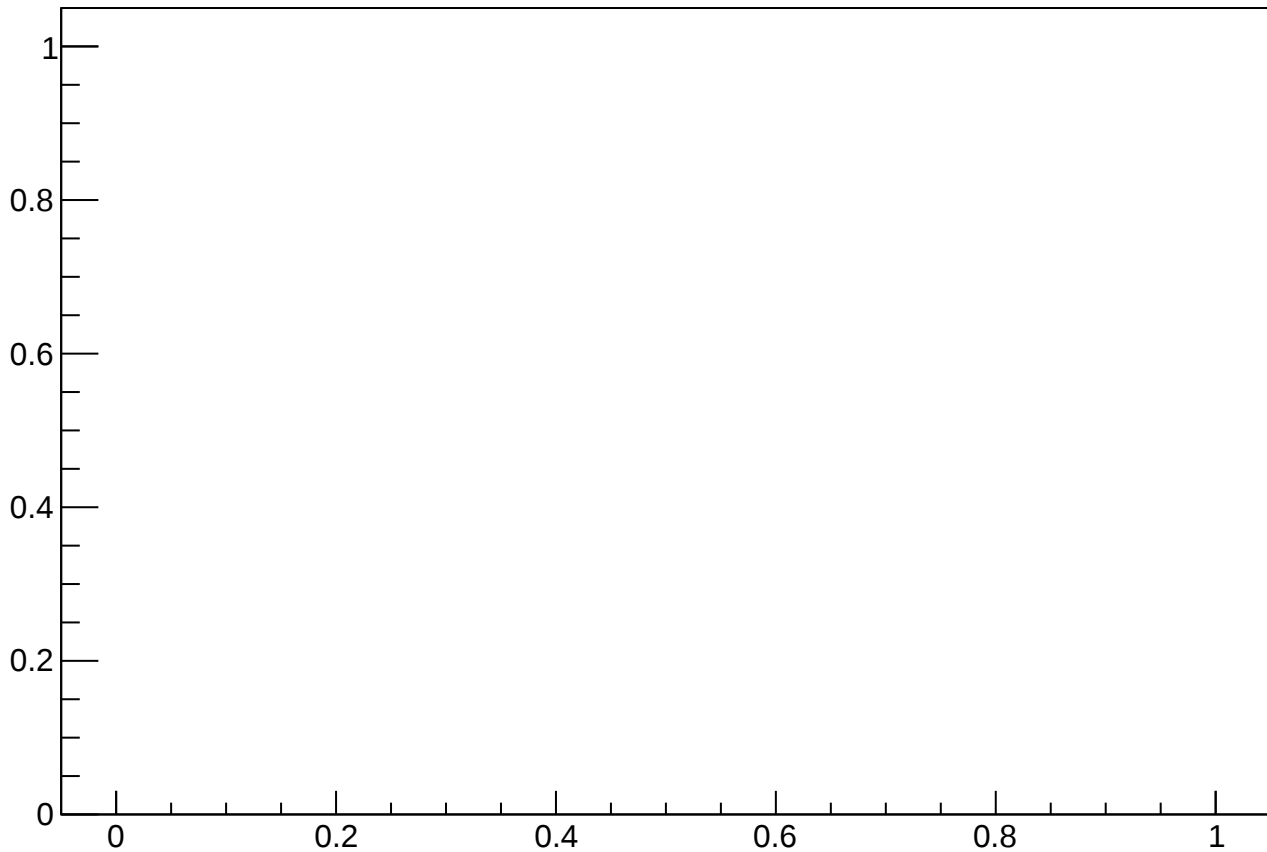
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

cor\_sam\_26\_avg\_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

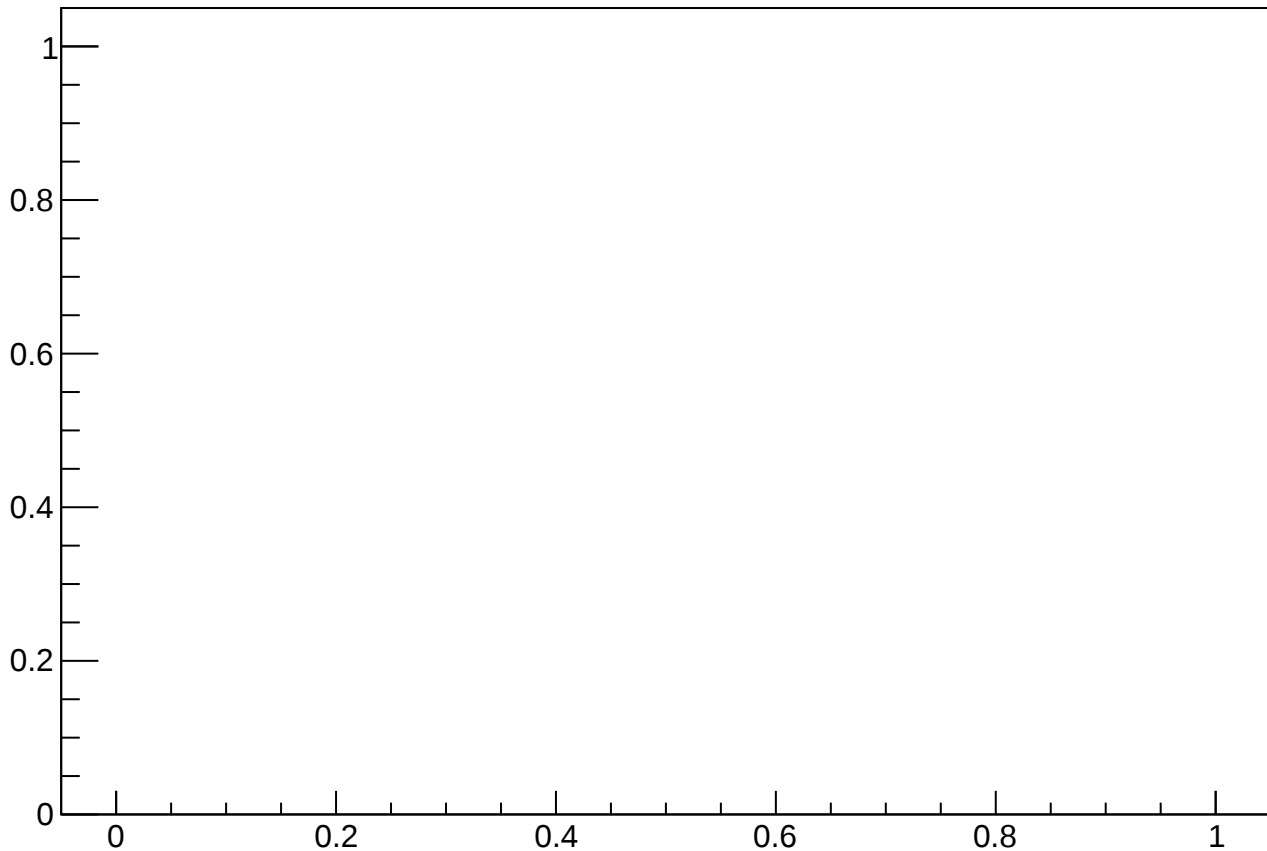
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

cor\_sam\_37\_avg\_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

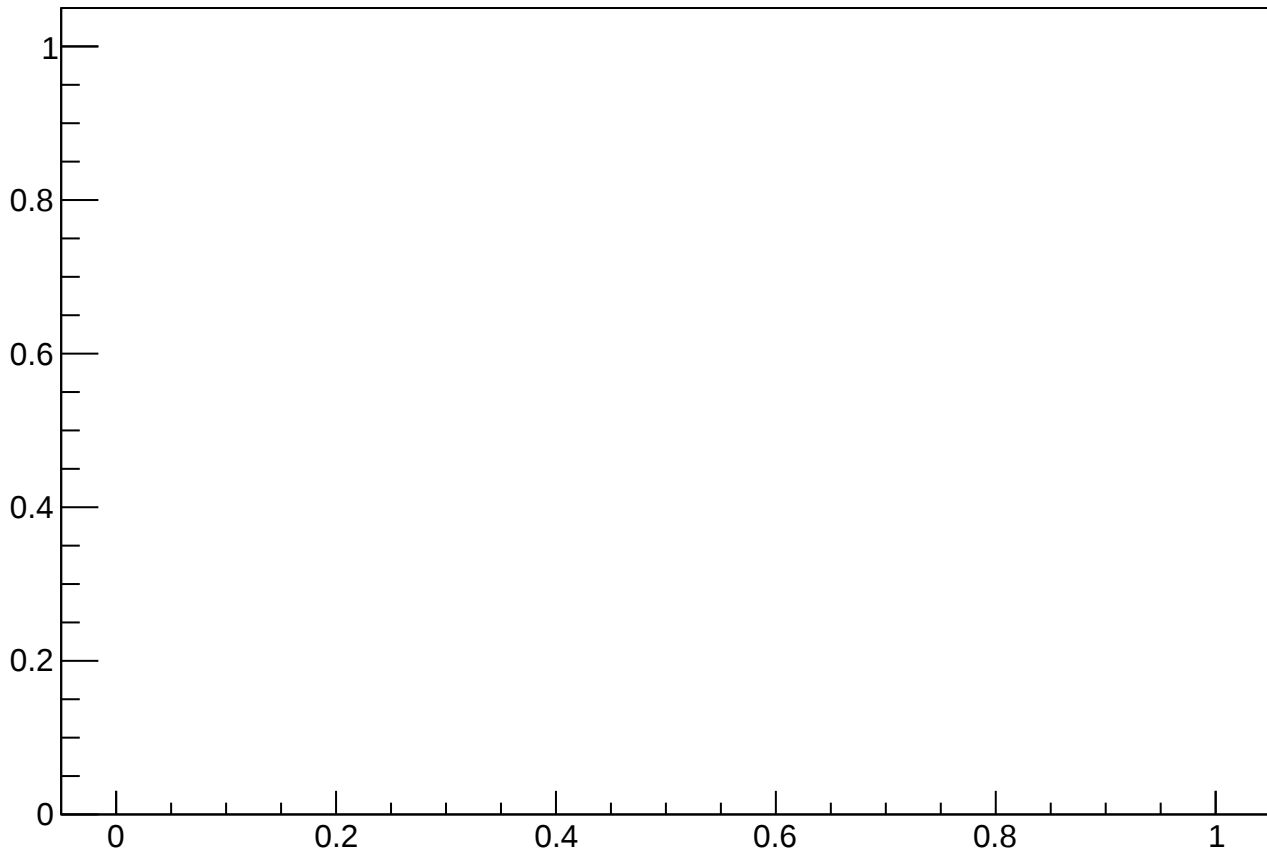
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

cor\_sam\_37\_avg\_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

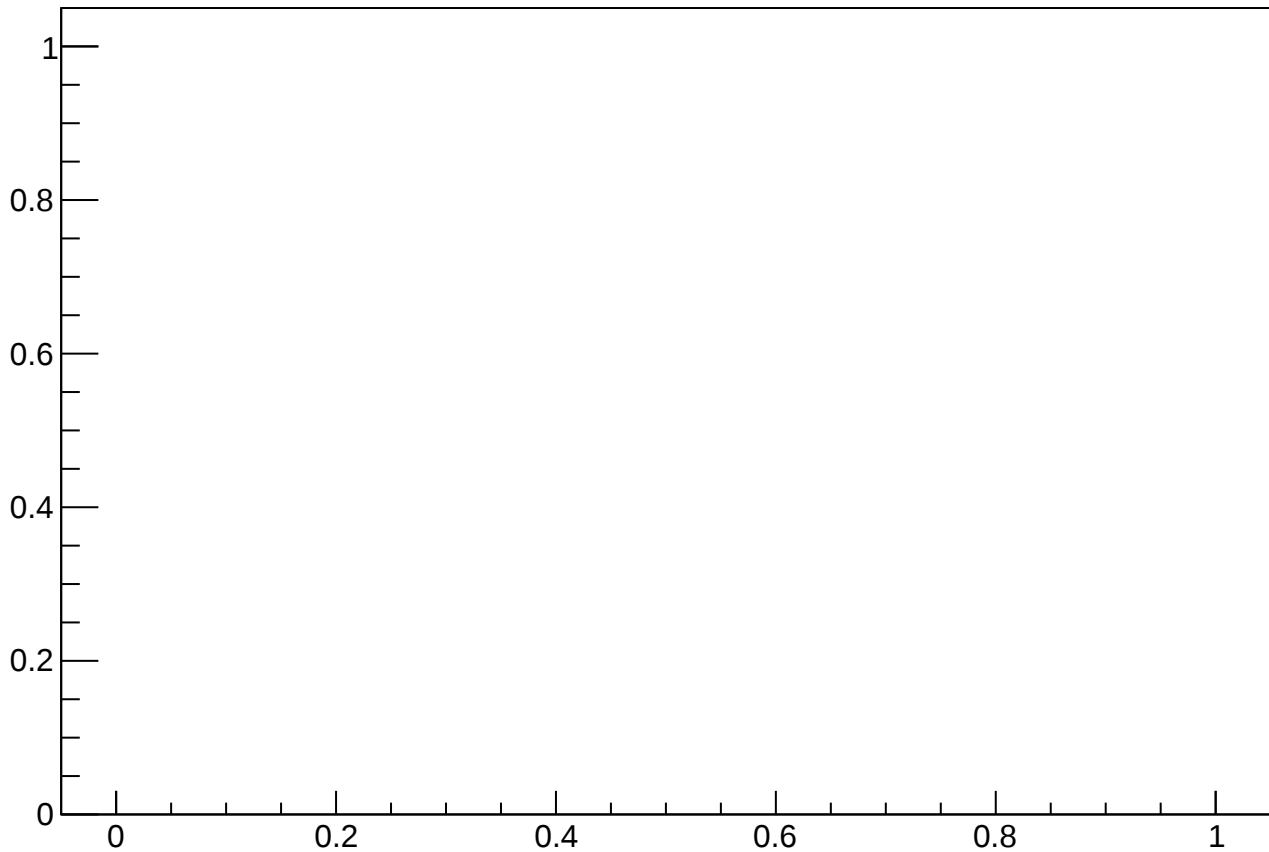
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

cor\_sam\_48\_avg\_mean vs slug



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

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

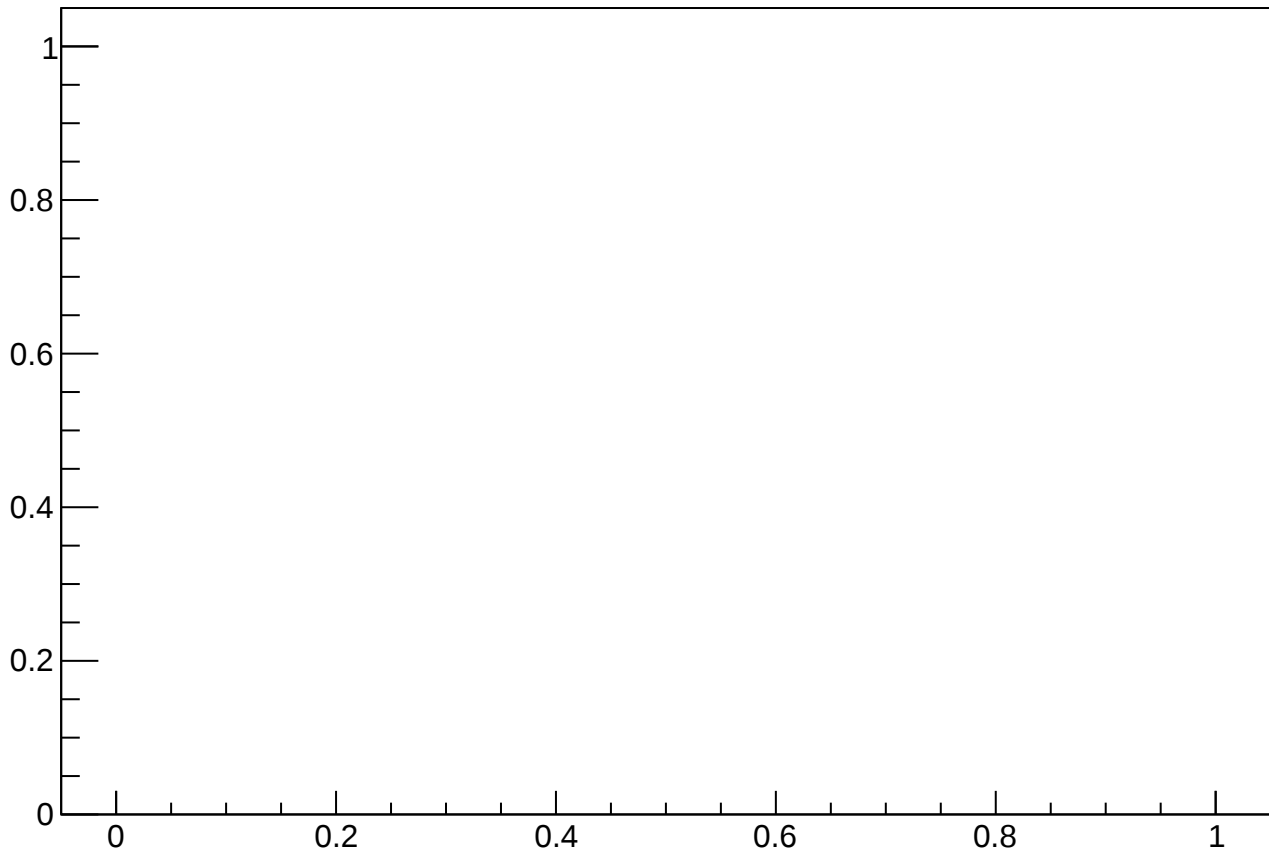
Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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

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

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

cor\_sam\_48\_avg\_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

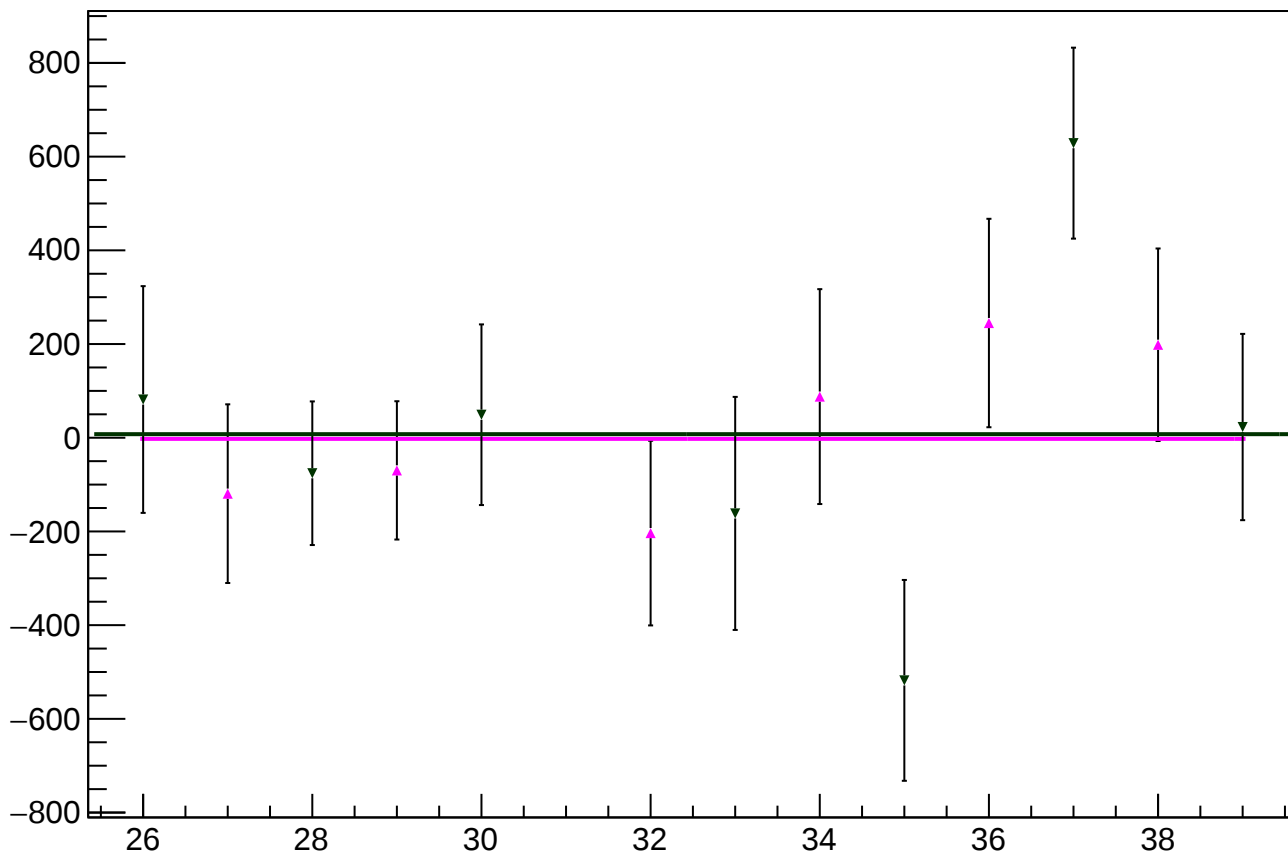
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

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

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

# reg\_asym\_sam\_15\_avg\_mean vs slug



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

Left Out: 7.627+/-75.841  $\chi^2/\text{NDF}$ : 16.2/6

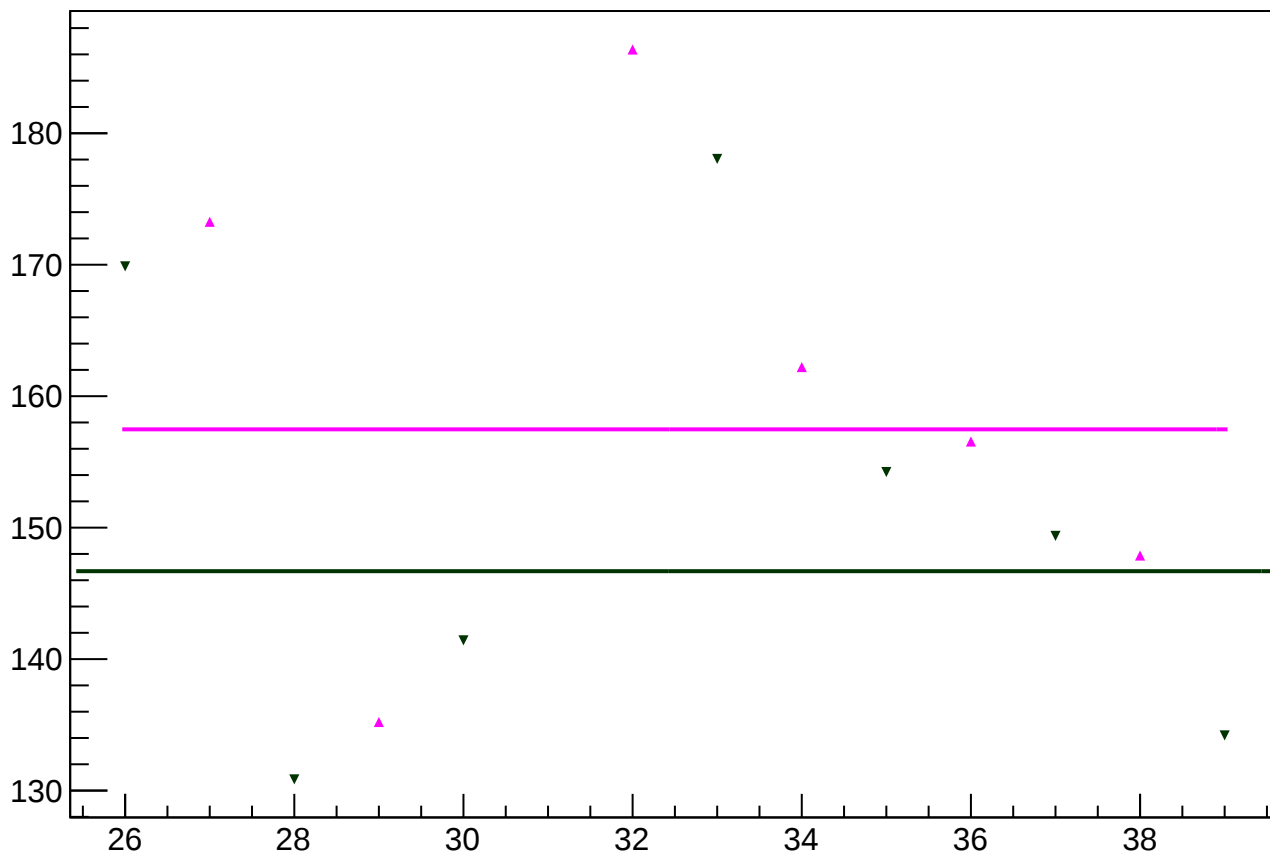
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.446+/-78.554  $\chi^2/\text{NDF}$ : 4.0/5

7.627+/-75.841  $\chi^2/\text{NDF}$ : 16.2/6

-2.446+/-78.554  $\chi^2/\text{NDF}$ : 4.0/5

# reg\_asym\_sam\_15\_avg\_rms vs slug



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

Left Out: 146.689+/-0.054  $\chi^2/\text{NDF}$ : 83720.3/6

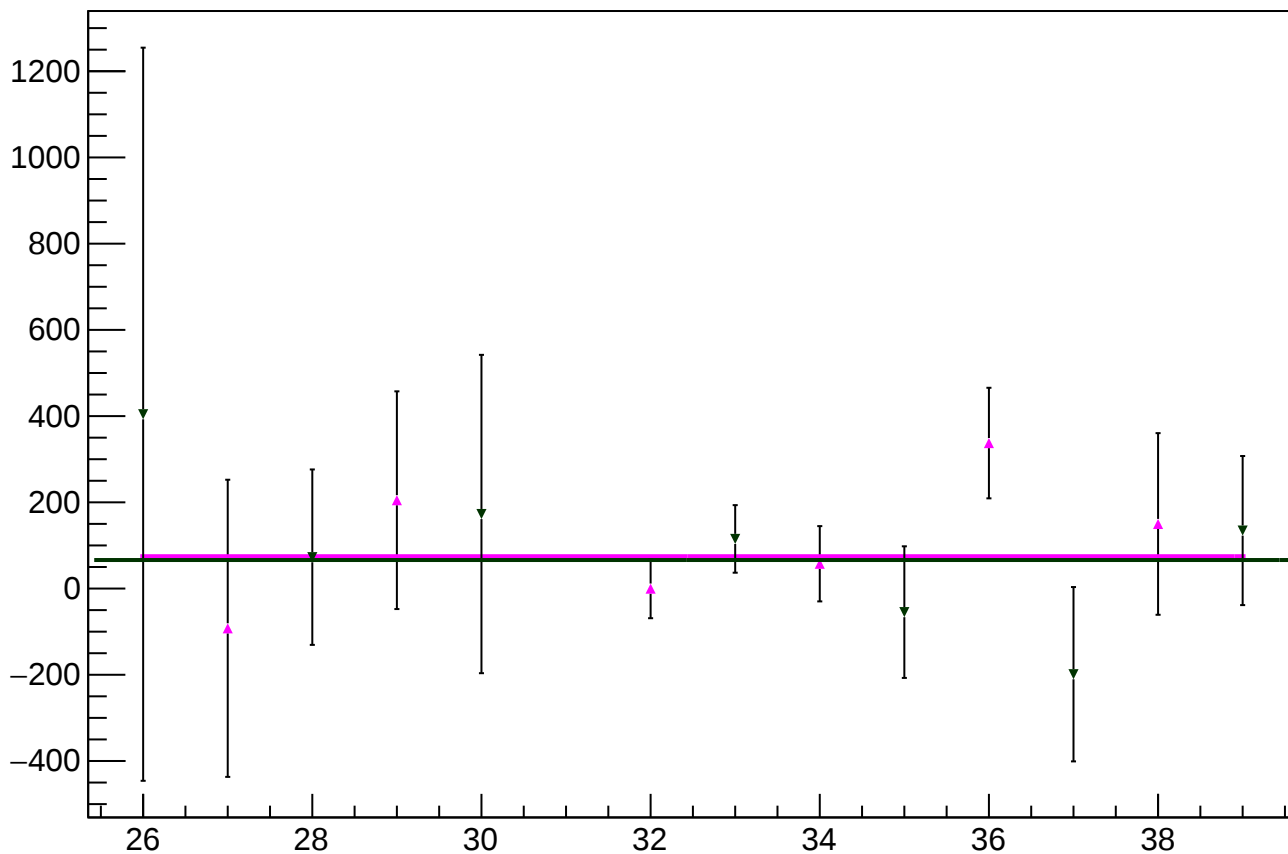
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 157.478+/-0.056  $\chi^2/\text{NDF}$ : 107436.8/5

146.689+/-0.054  $\chi^2/\text{NDF}$ : 83720.3/6

157.478+/-0.056  $\chi^2/\text{NDF}$ : 107436.8/5

# asym\_sam\_15\_avg\_correction\_mean vs slug



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

Left Out: 66.176+/-58.075  $\chi^2/\text{NDF}$ : 3.1/6

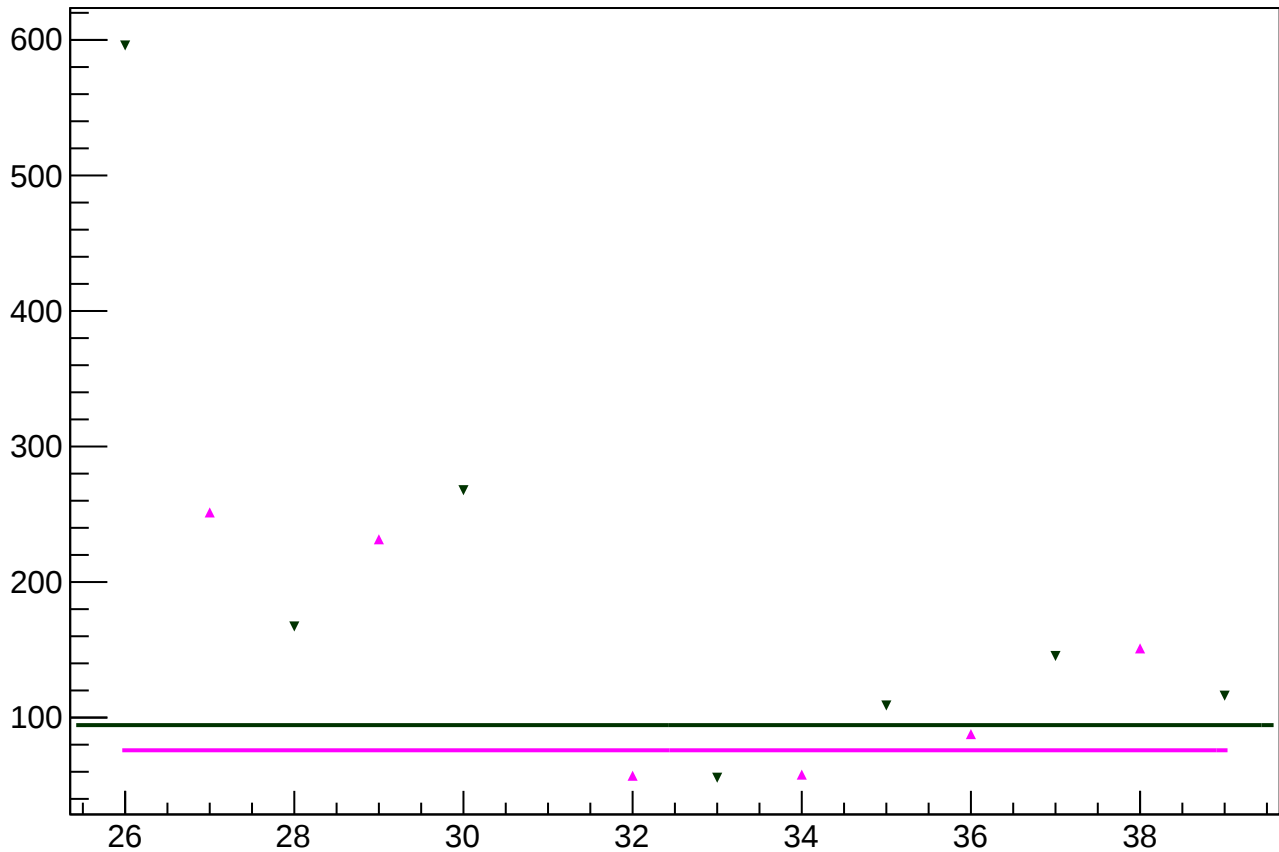
66.176+/-58.075  $\chi^2/\text{NDF}$ : 3.1/6

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

Left In: 75.030+/-47.087  $\chi^2/\text{NDF}$ : 6.1/5

75.030+/-47.087  $\chi^2/\text{NDF}$ : 6.1/5

# asym\_sam\_15\_avg\_correction\_rms vs slug



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

Left Out: 94.434+/-0.041  $\chi^2/\text{NDF}$ : 2059813.2/6

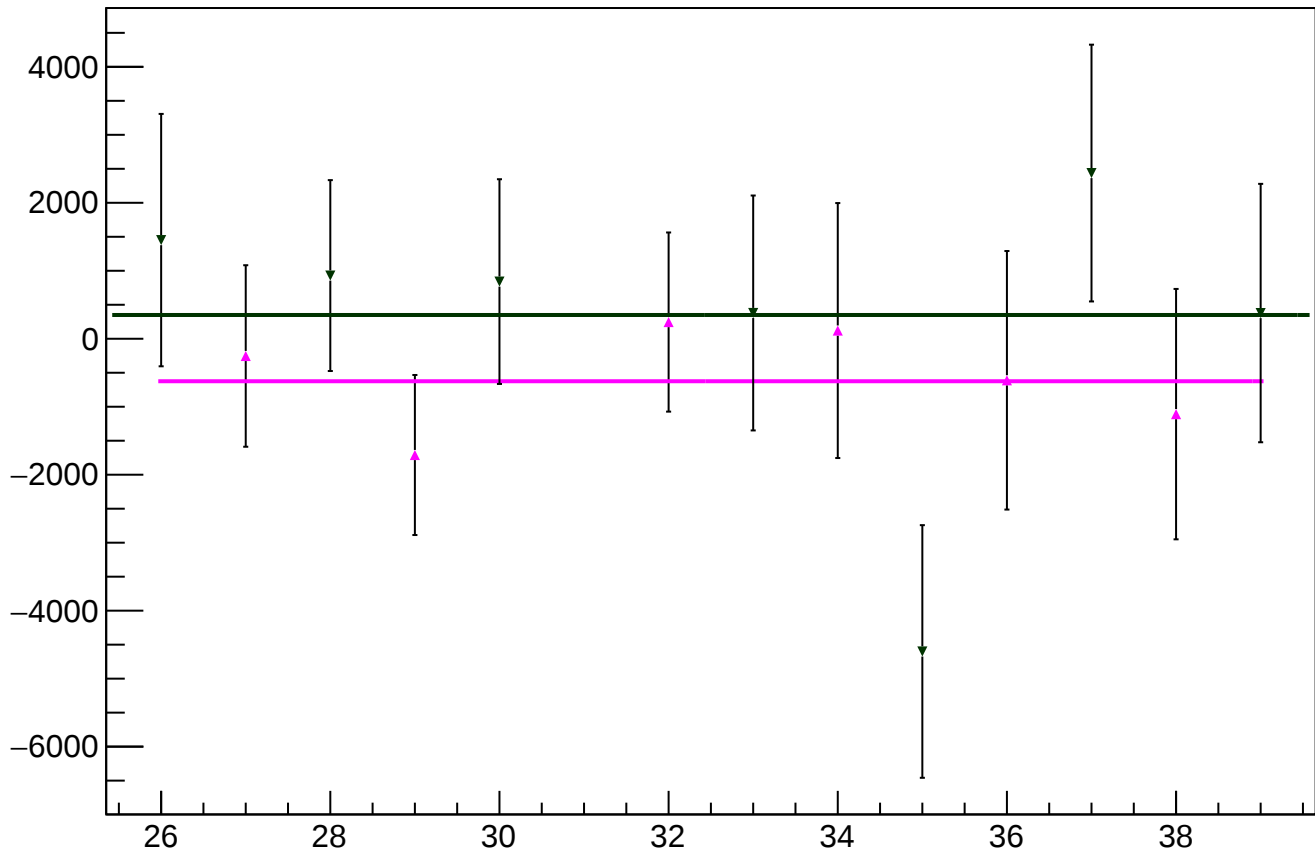
94.434+/-0.041  $\chi^2/\text{NDF}$ : 2059813.2/6

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

75.864+/-0.033  $\chi^2/\text{NDF}$ : 1785327.2/5

Left In: 75.864+/-0.033  $\chi^2/\text{NDF}$ : 1785327.2/5

# reg\_asym\_sam\_26\_avg\_mean vs slug



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

Left Out: 349.631+/-642.794  $\chi^2/\text{NDF}$ : 8.9/6

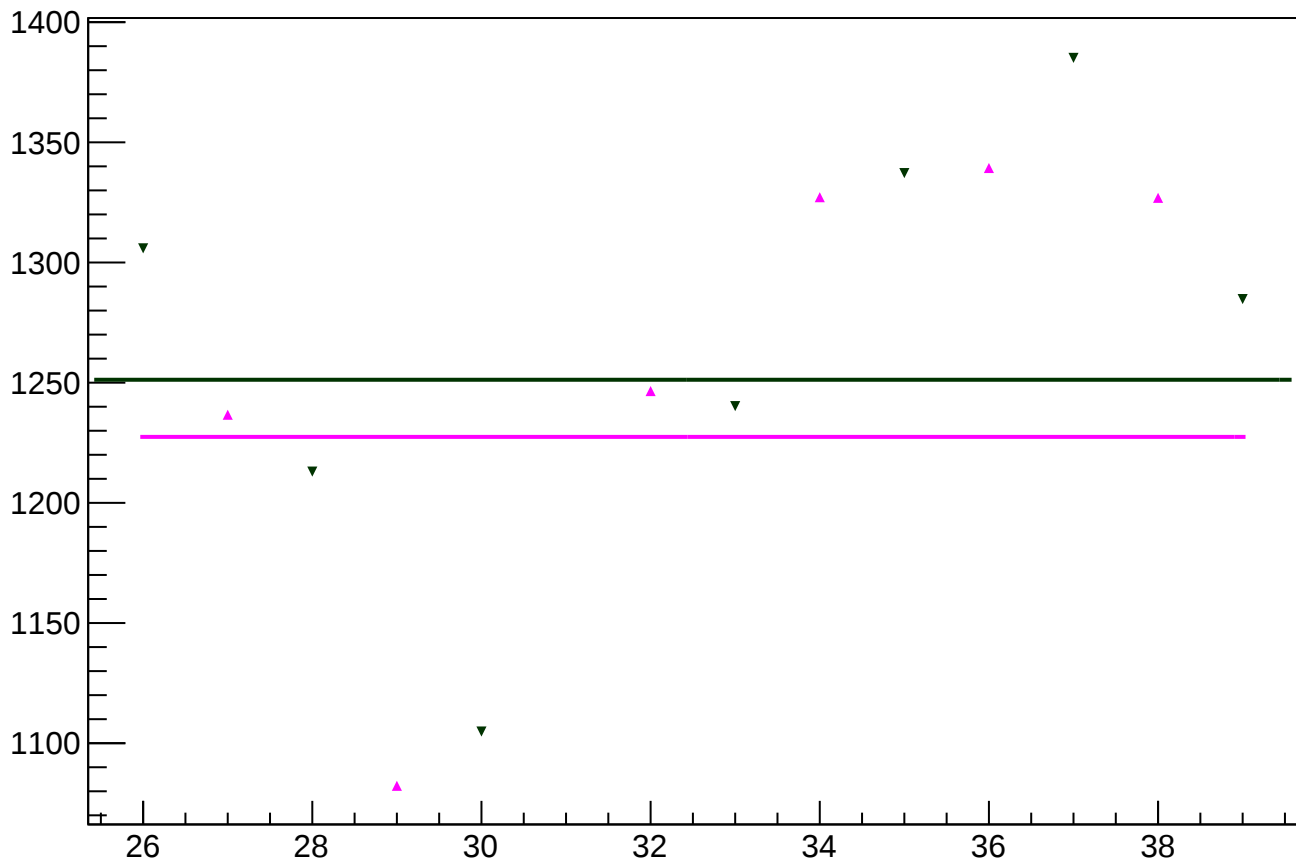
349.631+/-642.794  $\chi^2/\text{NDF}$ : 8.9/6

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

-625.029+/-606.966  $\chi^2/\text{NDF}$ : 1.6/5

Left In: -625.029+/-606.966  $\chi^2/\text{NDF}$ : 1.6/5

# reg\_asym\_sam\_26\_avg\_rms vs slug



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

Left Out: 1251.217+/-0.455  $\chi^2/\text{NDF}$ : 37151.9/6

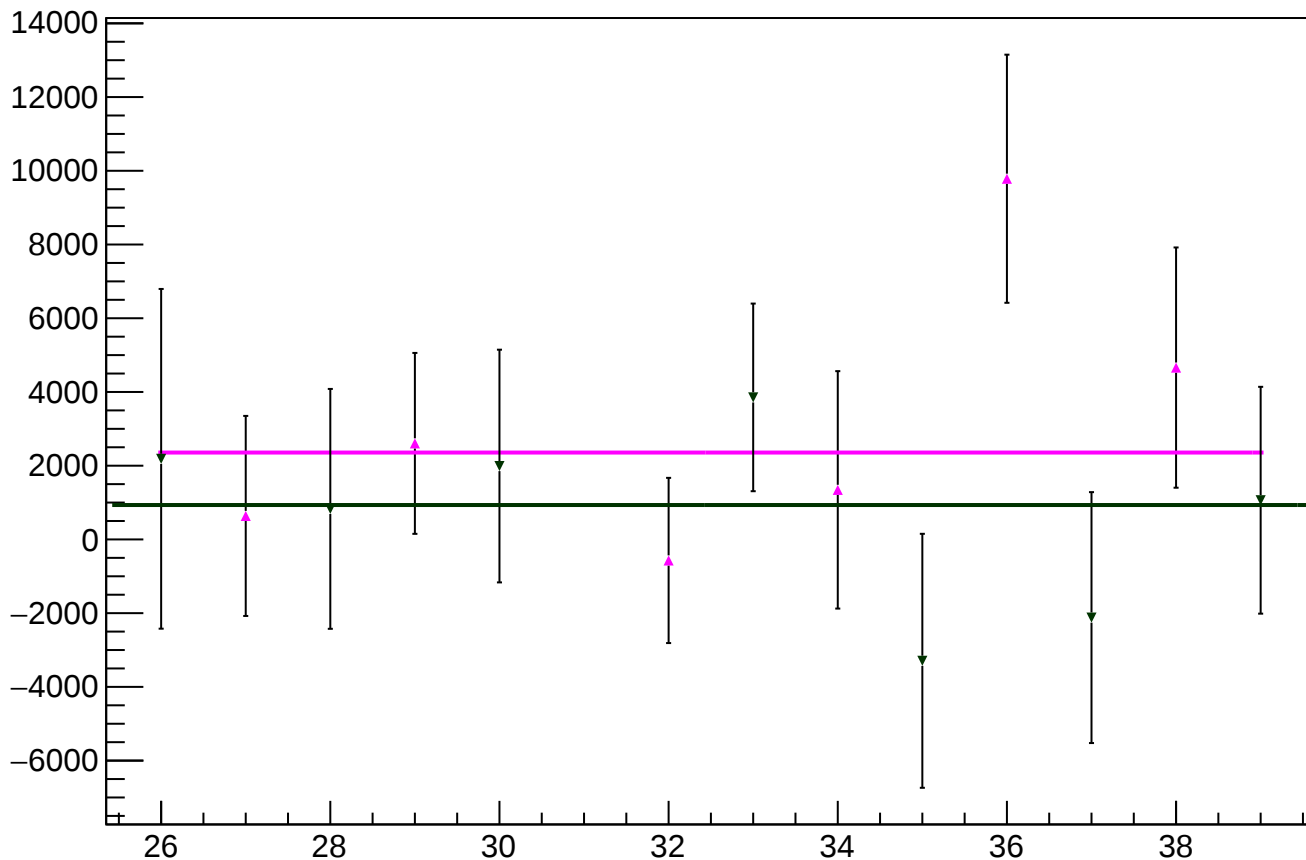
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1227.447+/-0.429  $\chi^2/\text{NDF}$ : 49343.6/5

1251.217+/-0.455  $\chi^2/\text{NDF}$ : 37151.9/6

1227.447+/-0.429  $\chi^2/\text{NDF}$ : 49343.6/5

# asym\_sam\_26\_avg\_correction\_mean vs slug



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

Left Out: 933.289+/-1219.347  $\chi^2/\text{NDF}$ : 3.8/6

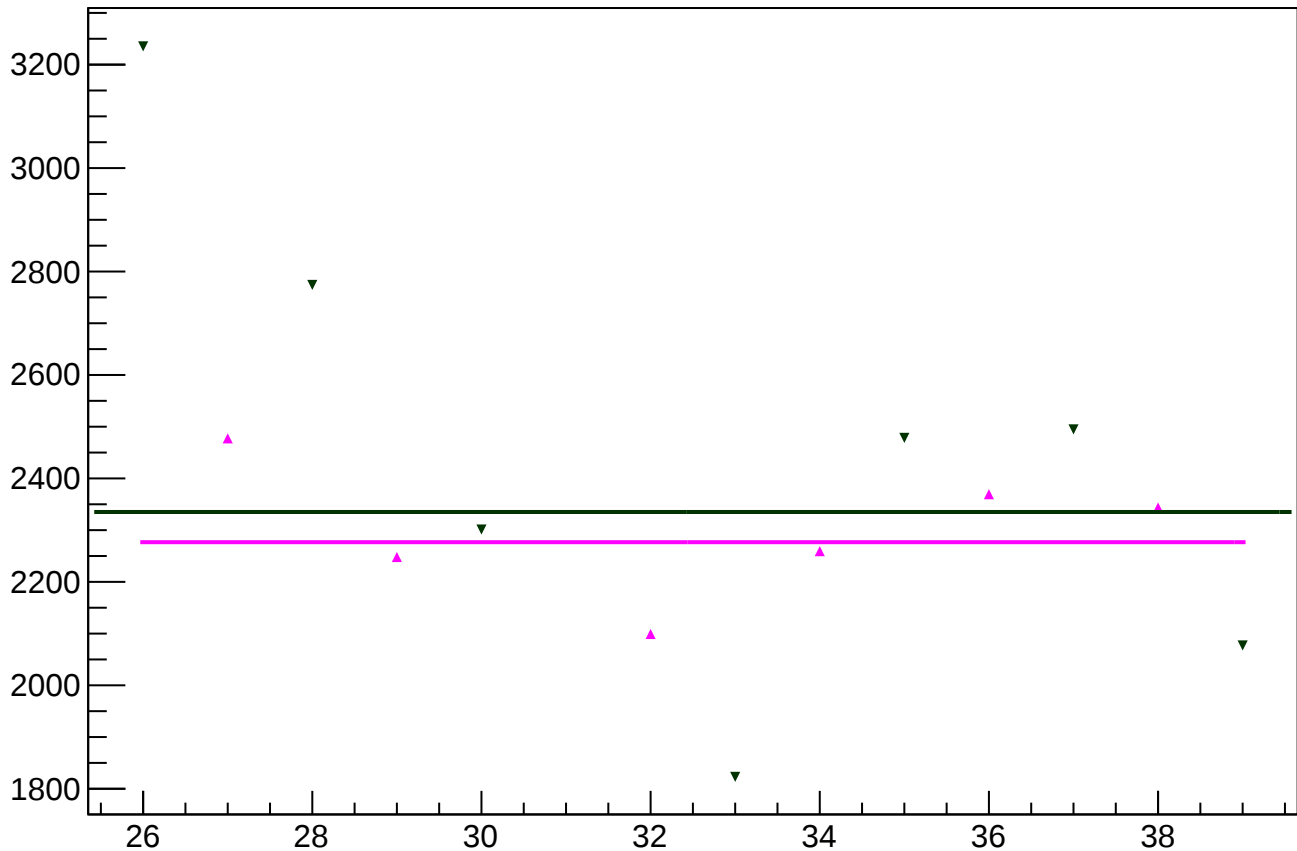
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2356.641+/-1132.315  $\chi^2/\text{NDF}$ : 7.6/5

933.289+/-1219.347  $\chi^2/\text{NDF}$ : 3.8/6

2356.641+/-1132.315  $\chi^2/\text{NDF}$ : 7.6/5

# asym\_sam\_26\_avg\_correction\_rms vs slug



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

Left Out: 2335.111+/-0.862  $\chi^2/\text{NDF}$ : 215895.2/6

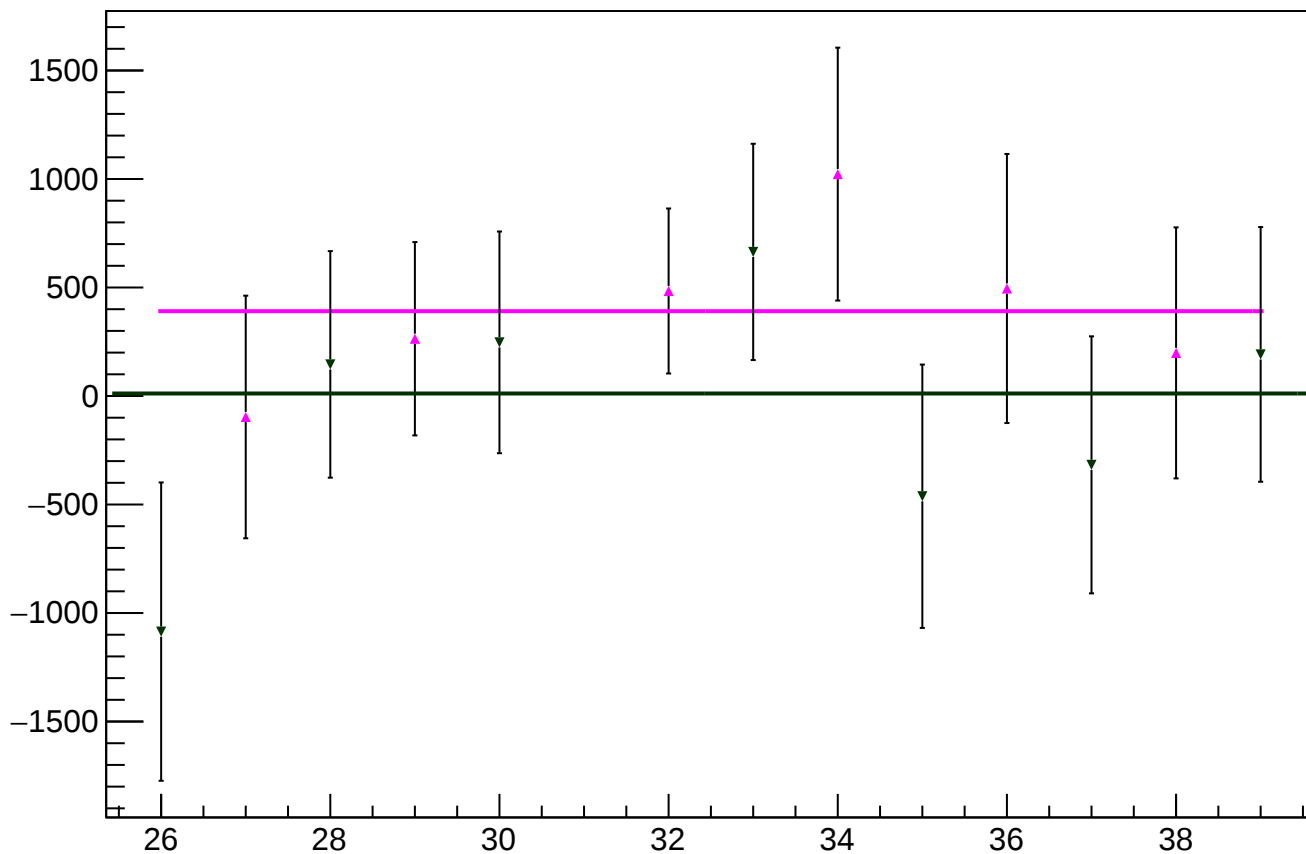
2335.111+/-0.862  $\chi^2/\text{NDF}$ : 215895.2/6

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

2276.700+/-0.801  $\chi^2/\text{NDF}$ : 26187.2/5

Left In: 2276.700+/-0.801  $\chi^2/\text{NDF}$ : 26187.2/5

# reg\_asym\_sam\_37\_avg\_mean vs slug



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

Left Out: 11.571+/-212.641  $\chi^2/\text{NDF}$ : 5.6/6

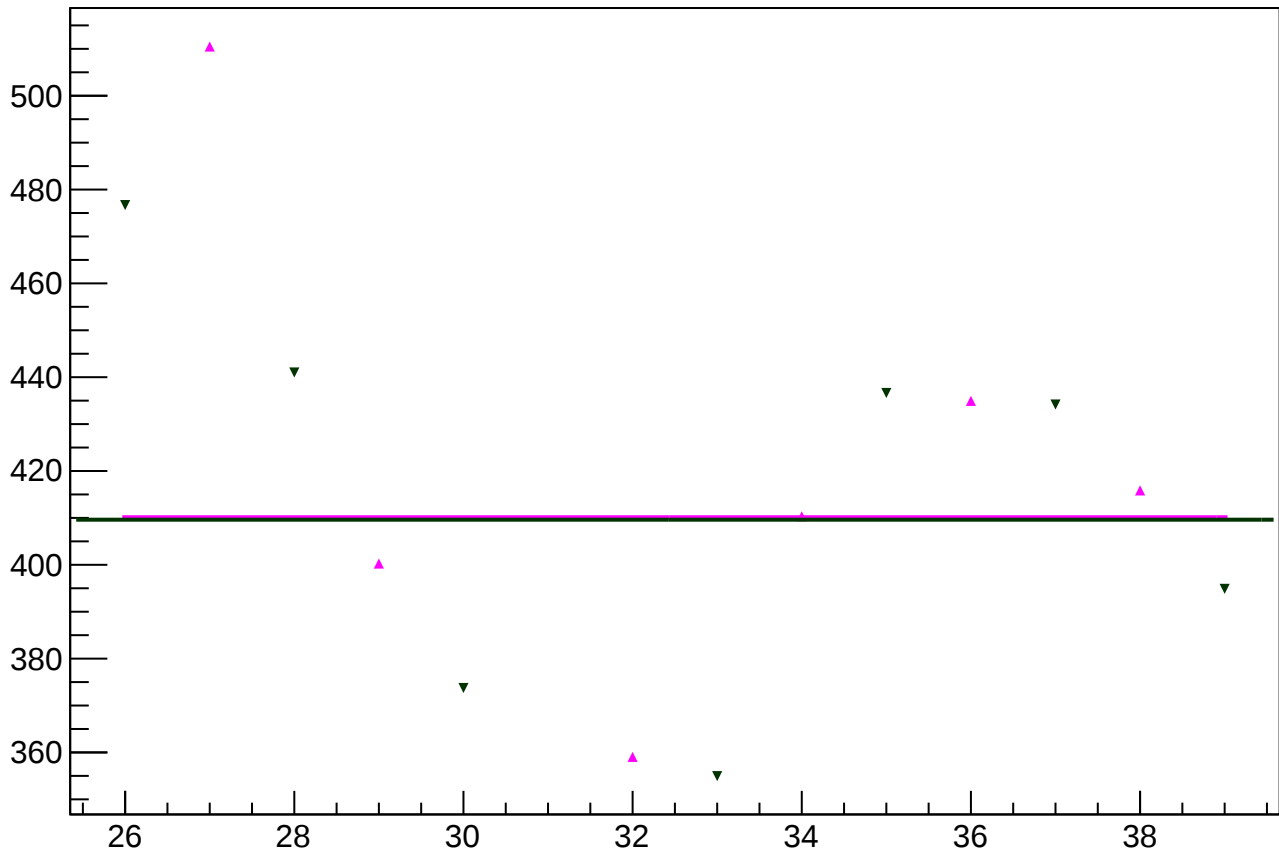
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 390.948+/-205.430  $\chi^2/\text{NDF}$ : 2.2/5

11.571+/-212.641  $\chi^2/\text{NDF}$ : 5.6/6

390.948+/-205.430  $\chi^2/\text{NDF}$ : 2.2/5

# reg\_asym\_sam\_37\_avg\_rms vs slug



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

Left Out: 409.619+/-0.150  $\chi^2/\text{NDF}$ : 68875.2/6

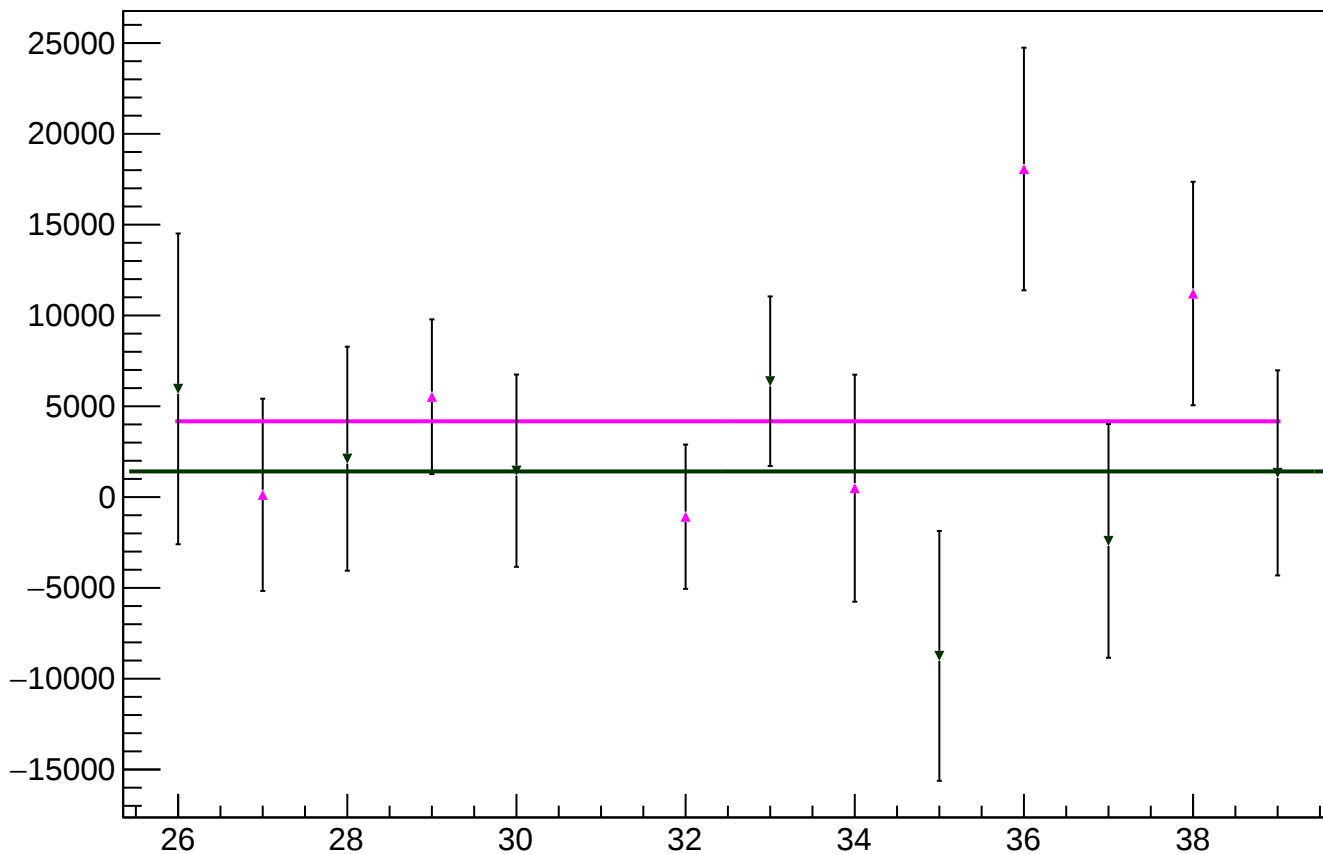
409.619+/-0.150  $\chi^2/\text{NDF}$ : 68875.2/6

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

410.147+/-0.145  $\chi^2/\text{NDF}$ : 104955.9/5

Left In: 410.147+/-0.145  $\chi^2/\text{NDF}$ : 104955.9/5

# asym\_sam\_37\_avg\_correction\_mean vs slug



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

Left Out: 1412.893+/-2246.412  $\chi^2/\text{NDF}$ : 4.0/6

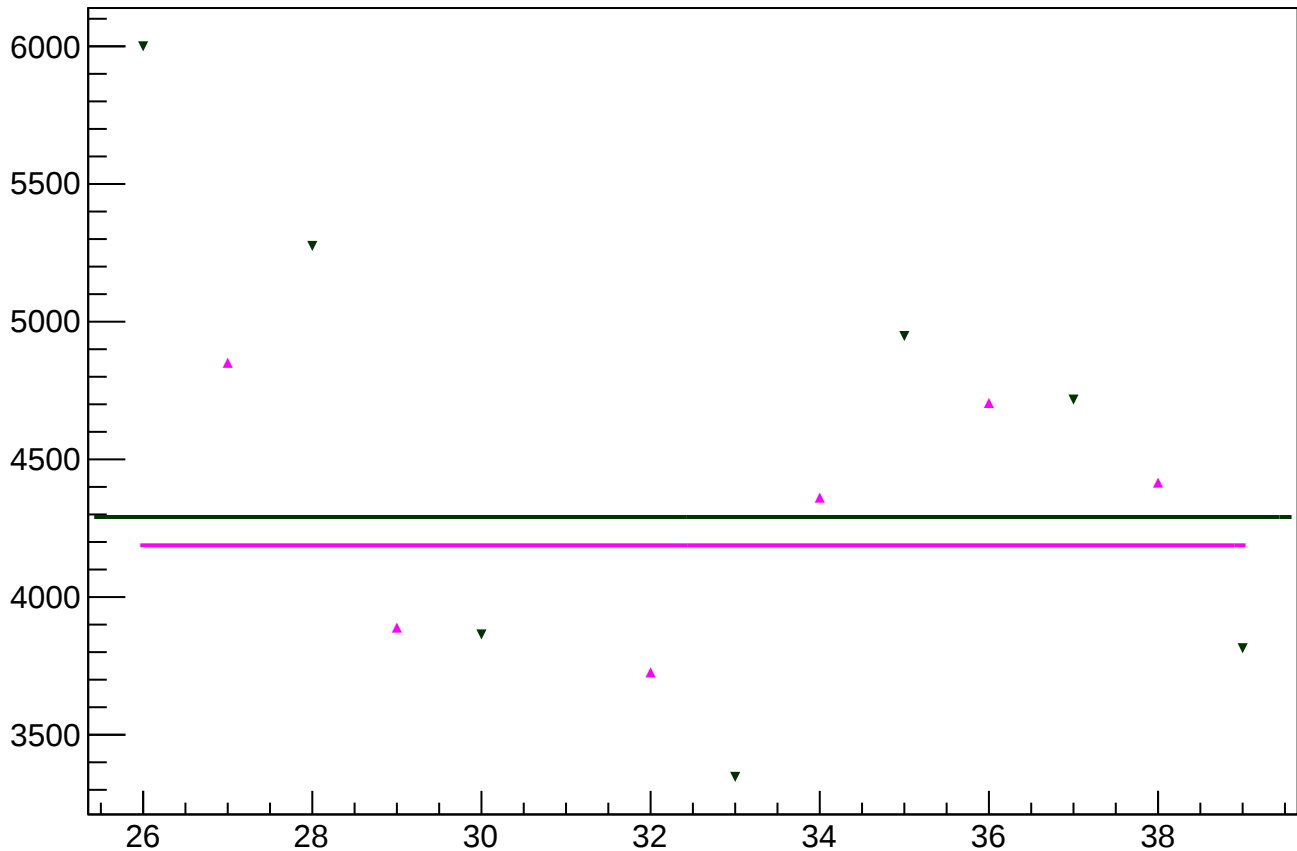
1412.893+/-2246.412  $\chi^2/\text{NDF}$ : 4.0/6

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

4172.981+/-2091.605  $\chi^2/\text{NDF}$ : 8.4/5

Left In: 4172.981+/-2091.605  $\chi^2/\text{NDF}$ : 8.4/5

# asym\_sam\_37\_avg\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 4290.710+/-1.588  $\chi^2/\text{NDF}$ : 266719.8/6

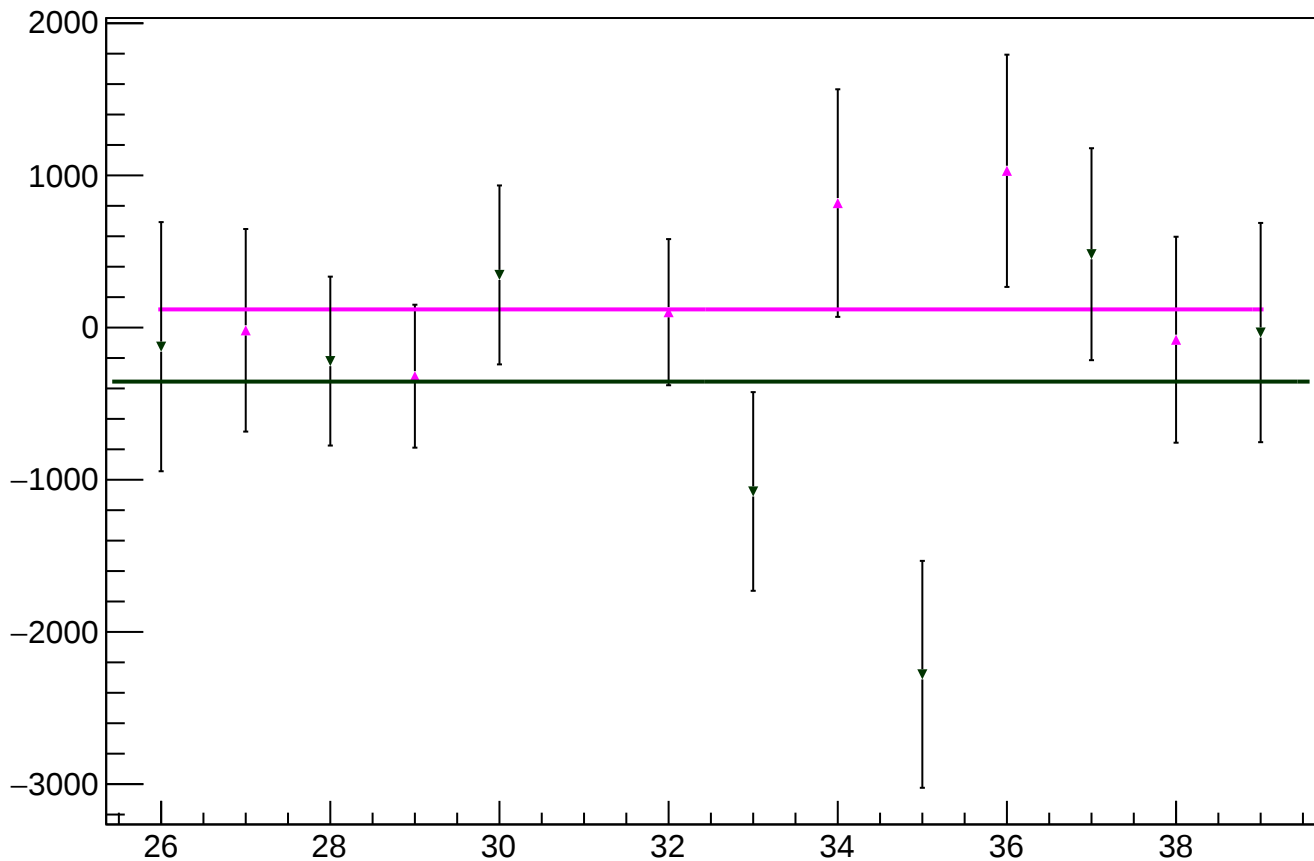
4290.710+/-1.588  $\chi^2/\text{NDF}$ : 266719.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4187.924+/-1.479  $\chi^2/\text{NDF}$ : 84418.7/5

Left In: 4187.924+/-1.479  $\chi^2/\text{NDF}$ : 84418.7/5

# reg\_asym\_sam\_48\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -354.967+/-251.847  $\chi^2/\text{NDF}$ : 11.1/6

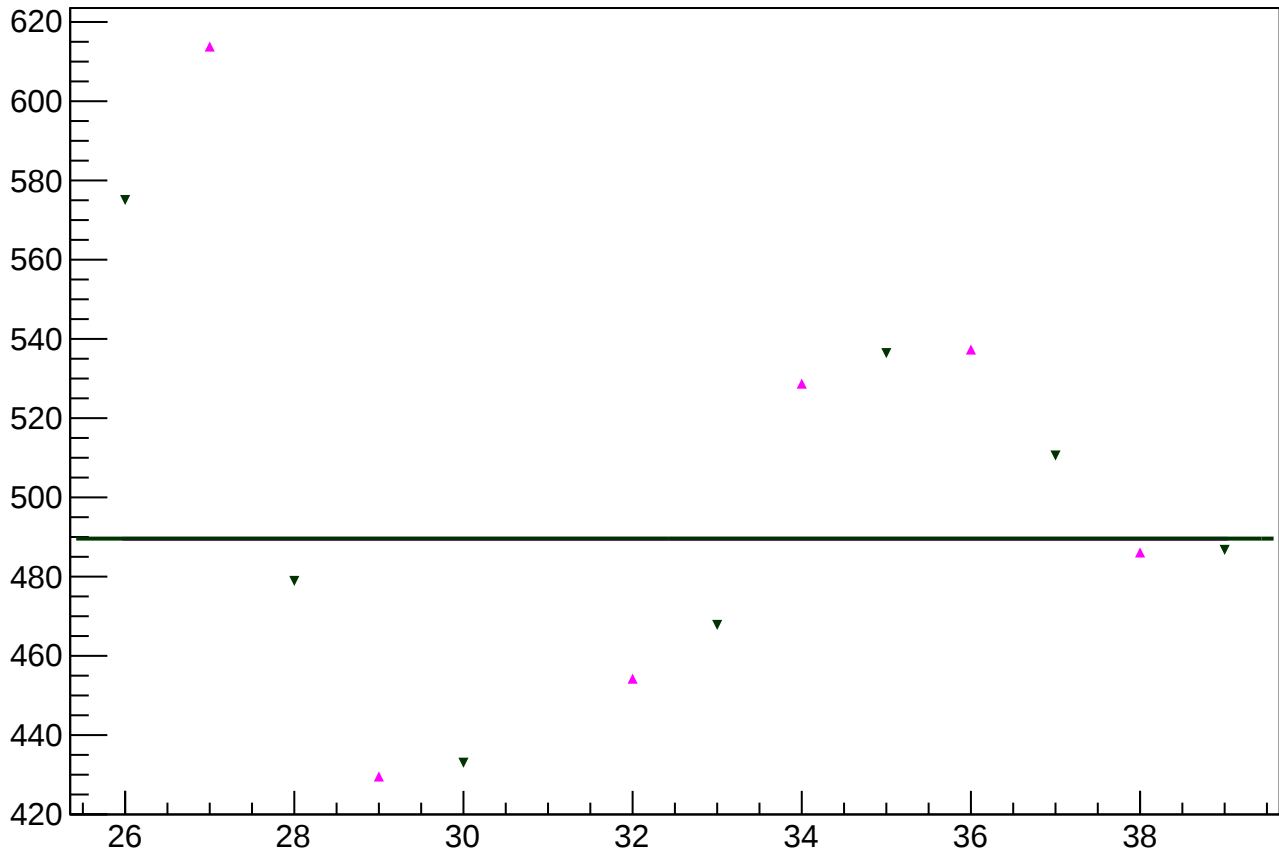
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 119.453+/-243.863  $\chi^2/\text{NDF}$ : 3.3/5

-354.967+/-251.847  $\chi^2/\text{NDF}$ : 11.1/6

119.453+/-243.863  $\chi^2/\text{NDF}$ : 3.3/5

# reg\_asym\_sam\_48\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 489.596+/-0.178  $\chi^2/\text{NDF}$ : 53018.0/6

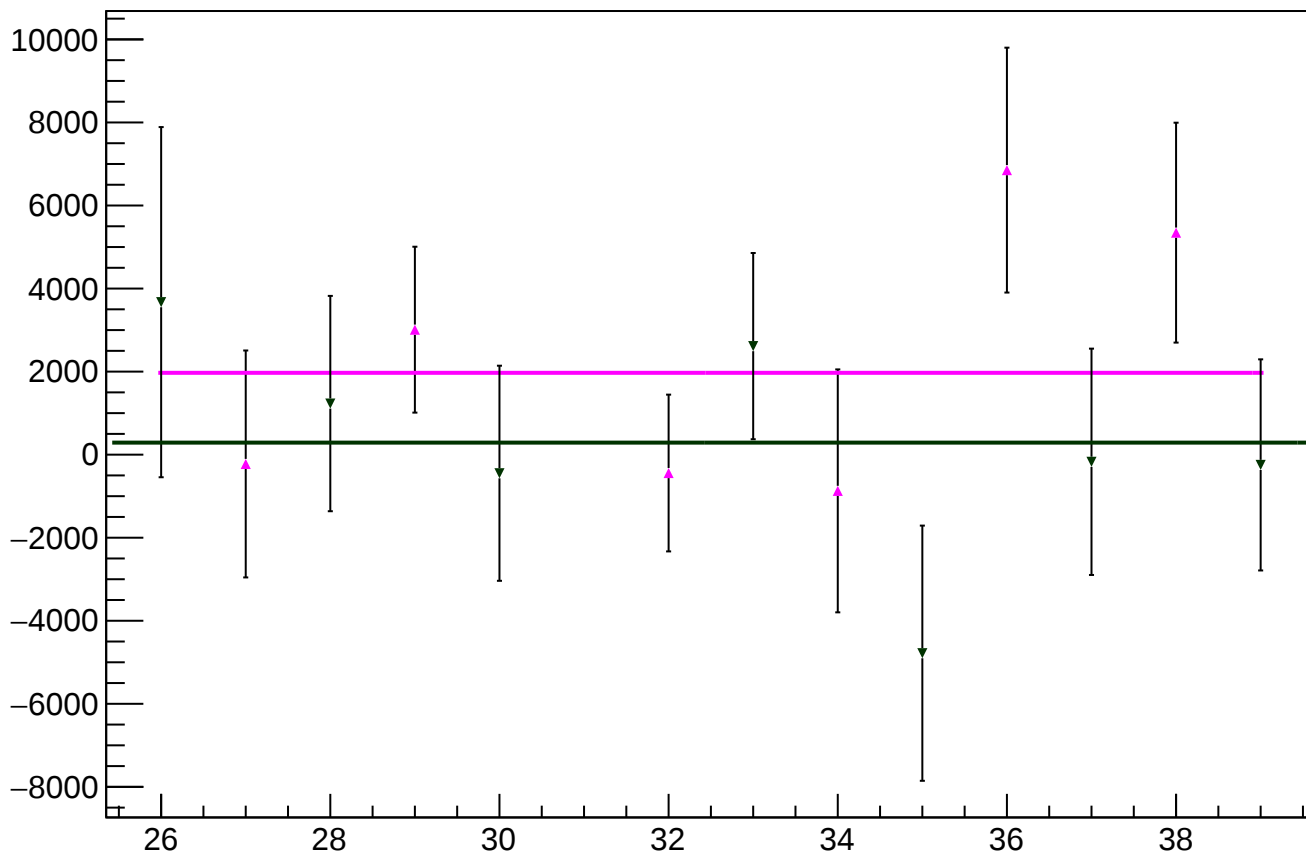
489.596+/-0.178  $\chi^2/\text{NDF}$ : 53018.0/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

489.540+/-0.172  $\chi^2/\text{NDF}$ : 126519.1/5

Left In: 489.540+/-0.172  $\chi^2/\text{NDF}$ : 126519.1/5

asym\_sam\_48\_avg\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 290.005+/-1026.927  $\chi^2/\text{NDF}$ : 4.7/6

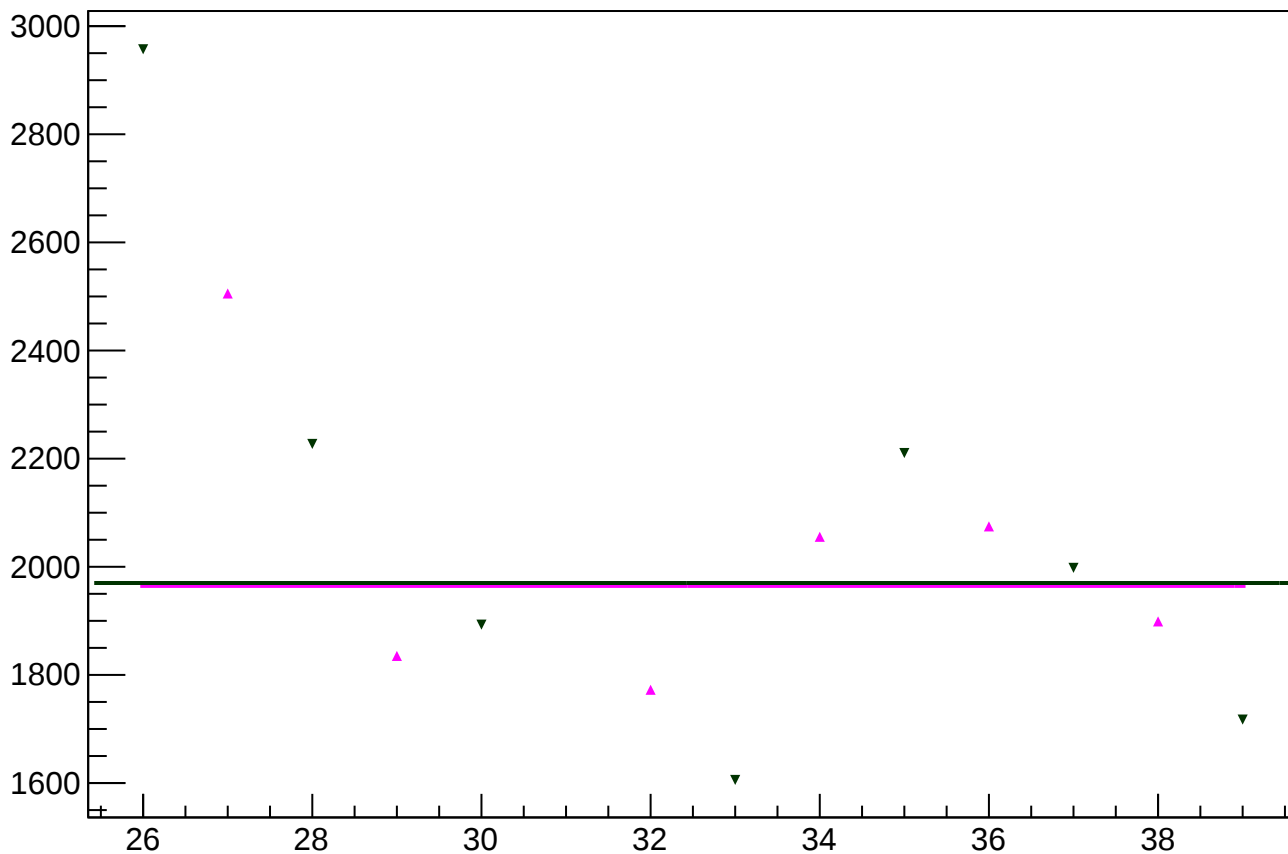
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1970.878+/-980.720  $\chi^2/\text{NDF}$ : 7.9/5

290.005+/-1026.927  $\chi^2/\text{NDF}$ : 4.7/6

1970.878+/-980.720  $\chi^2/\text{NDF}$ : 7.9/5

# asym\_sam\_48\_avg\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1970.019+/-0.726  $\chi^2/\text{NDF}$ : 216061.0/6

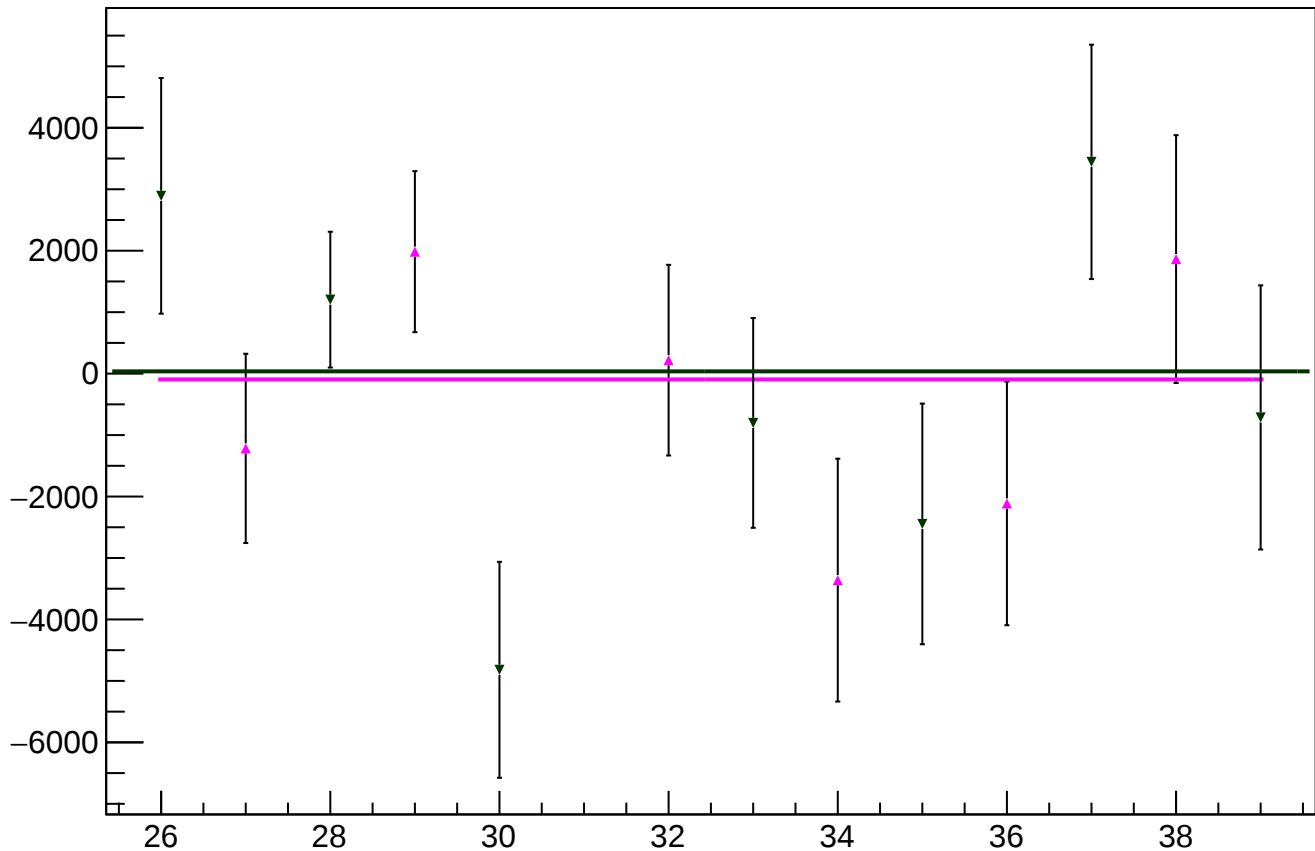
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1964.643+/-0.693  $\chi^2/\text{NDF}$ : 113421.3/5

1970.019+/-0.726  $\chi^2/\text{NDF}$ : 216061.0/6

1964.643+/-0.693  $\chi^2/\text{NDF}$ : 113421.3/5

# asym\_sam\_15\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 36.699+/-631.080  $\chi^2/\text{NDF}$ : 16.1/6

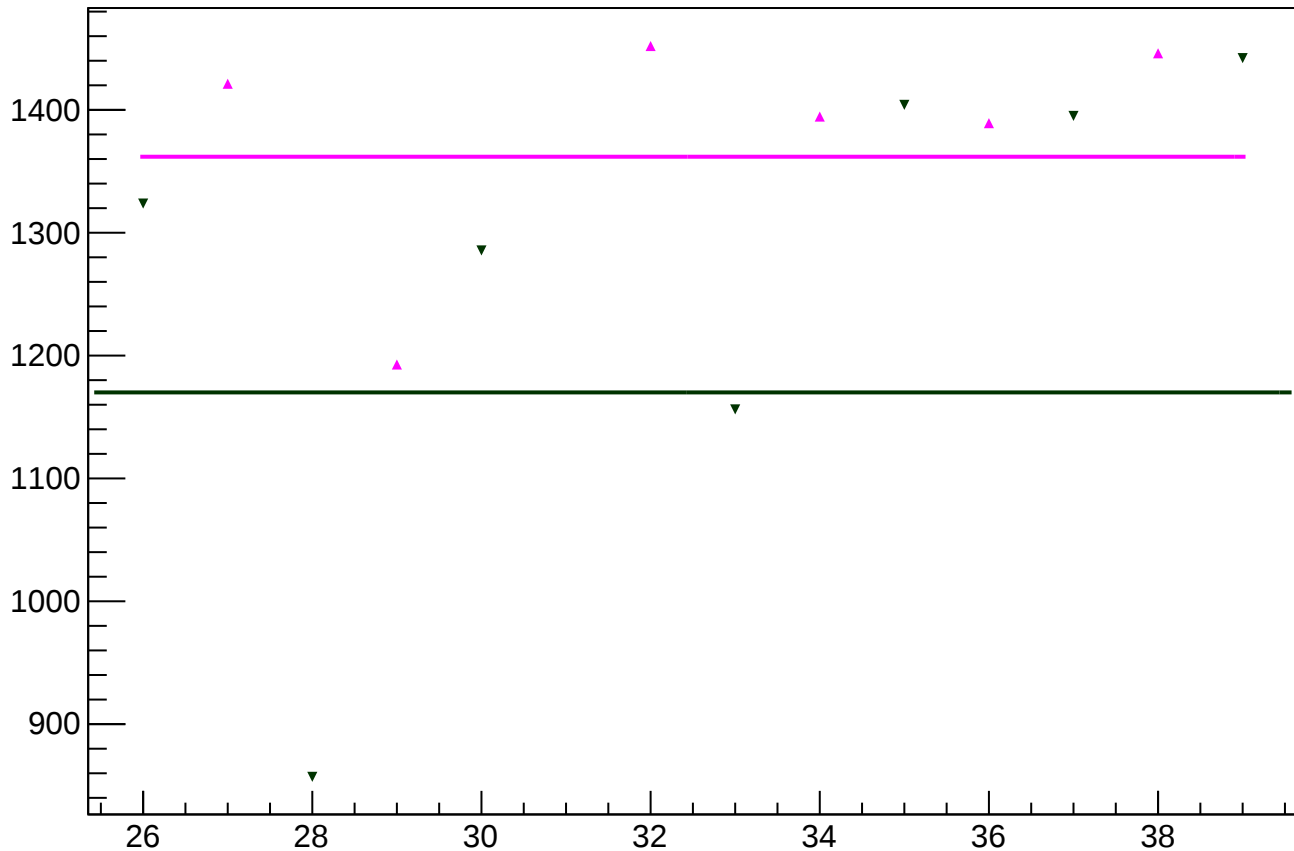
36.699+/-631.080  $\chi^2/\text{NDF}$ : 16.1/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-94.378+/-677.795  $\chi^2/\text{NDF}$ : 7.8/5

Left In: -94.378+/-677.795  $\chi^2/\text{NDF}$ : 7.8/5

# asym\_sam\_15\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1170.023+/-0.446  $\chi^2/\text{NDF}$ : 270586.1/6

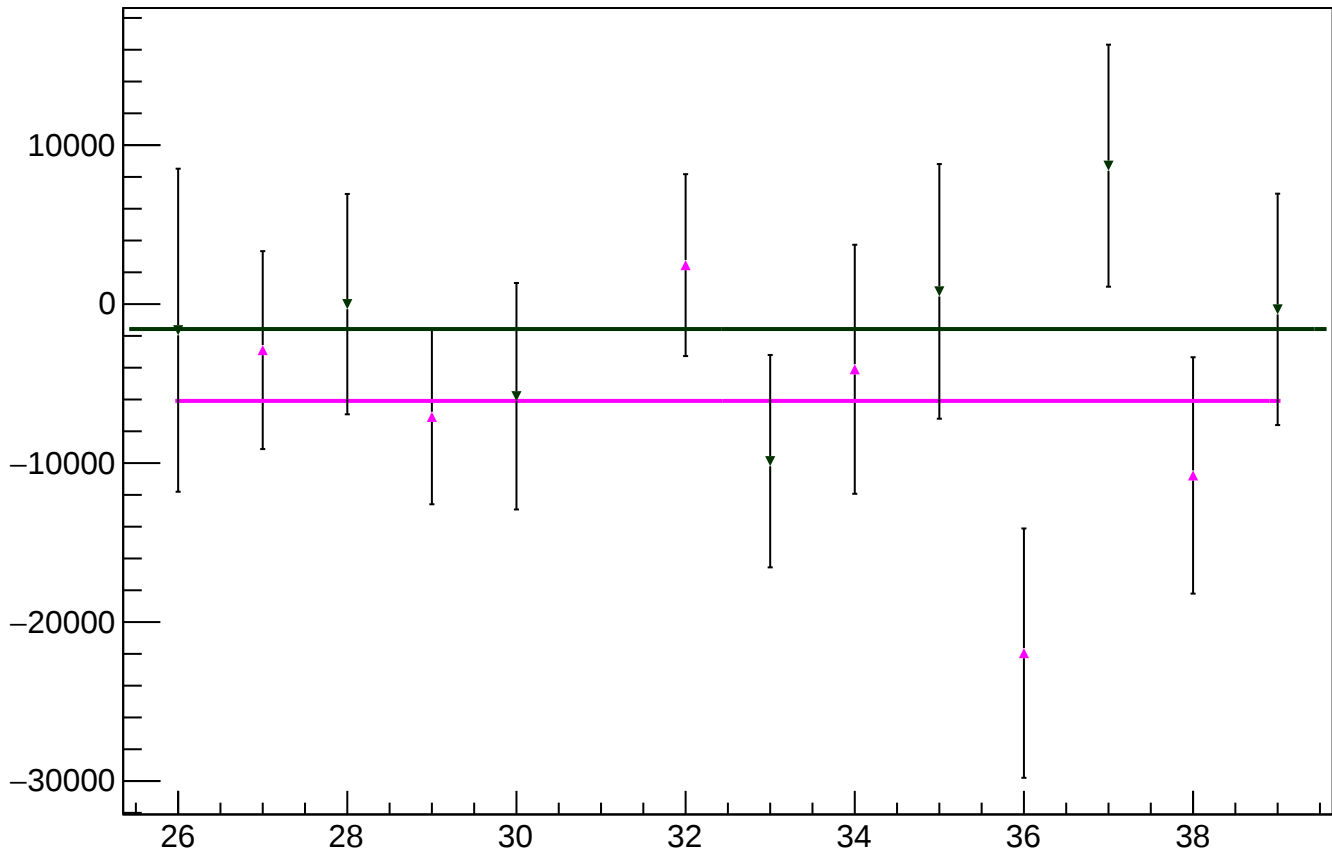
1170.023+/-0.446  $\chi^2/\text{NDF}$ : 270586.1/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1361.868+/-0.479  $\chi^2/\text{NDF}$ : 47477.3/5

Left In: 1361.868+/-0.479  $\chi^2/\text{NDF}$ : 47477.3/5

# asym\_sam\_26\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -1568.251+/-2835.664  $\chi^2/\text{NDF}$ : 3.9/6

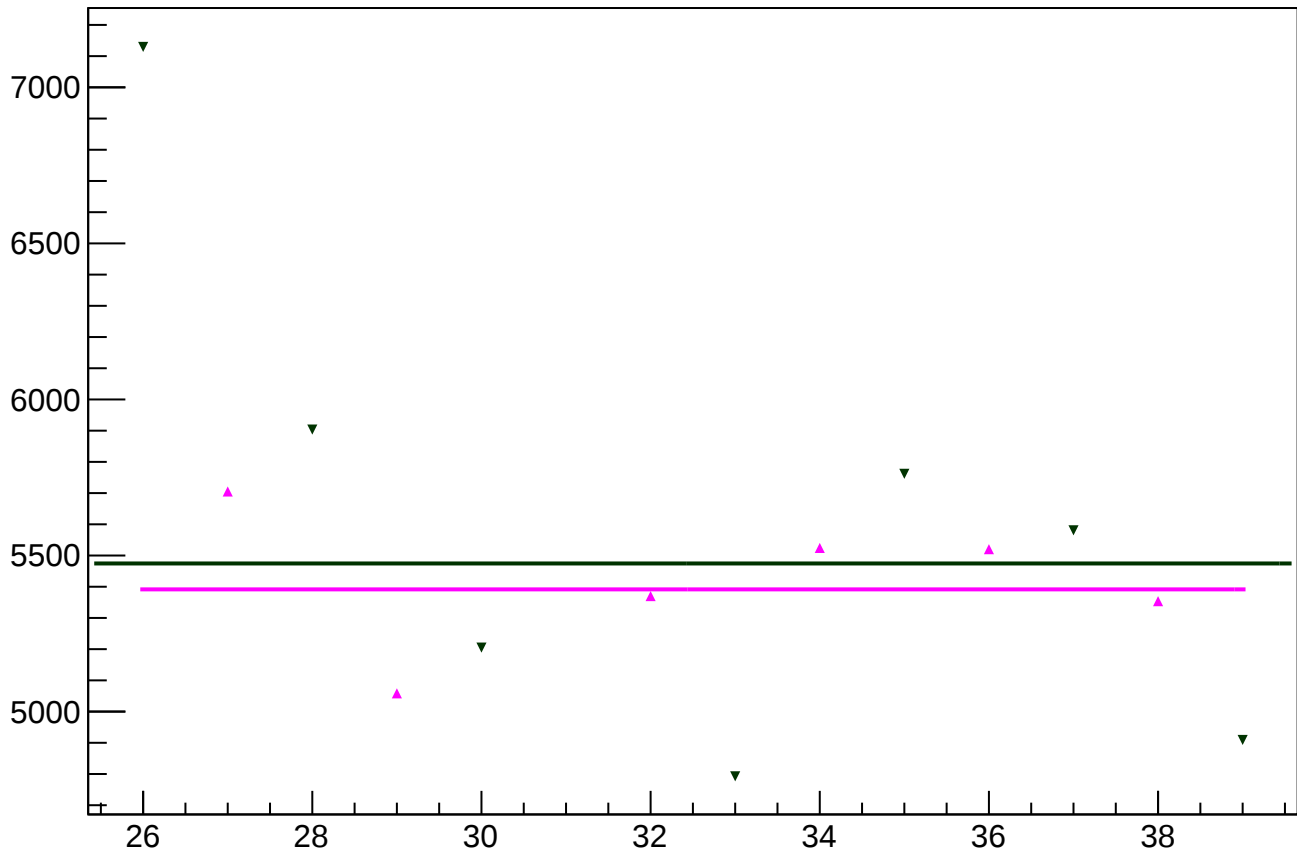
-1568.251+/-2835.664  $\chi^2/\text{NDF}$ : 3.9/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-6089.488+/-2671.837  $\chi^2/\text{NDF}$ : 7.1/5

Left In: -6089.488+/-2671.837  $\chi^2/\text{NDF}$ : 7.1/5

# asym\_sam\_26\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 5474.543+/-2.005  $\chi^2/\text{NDF}$ :99484.6/6

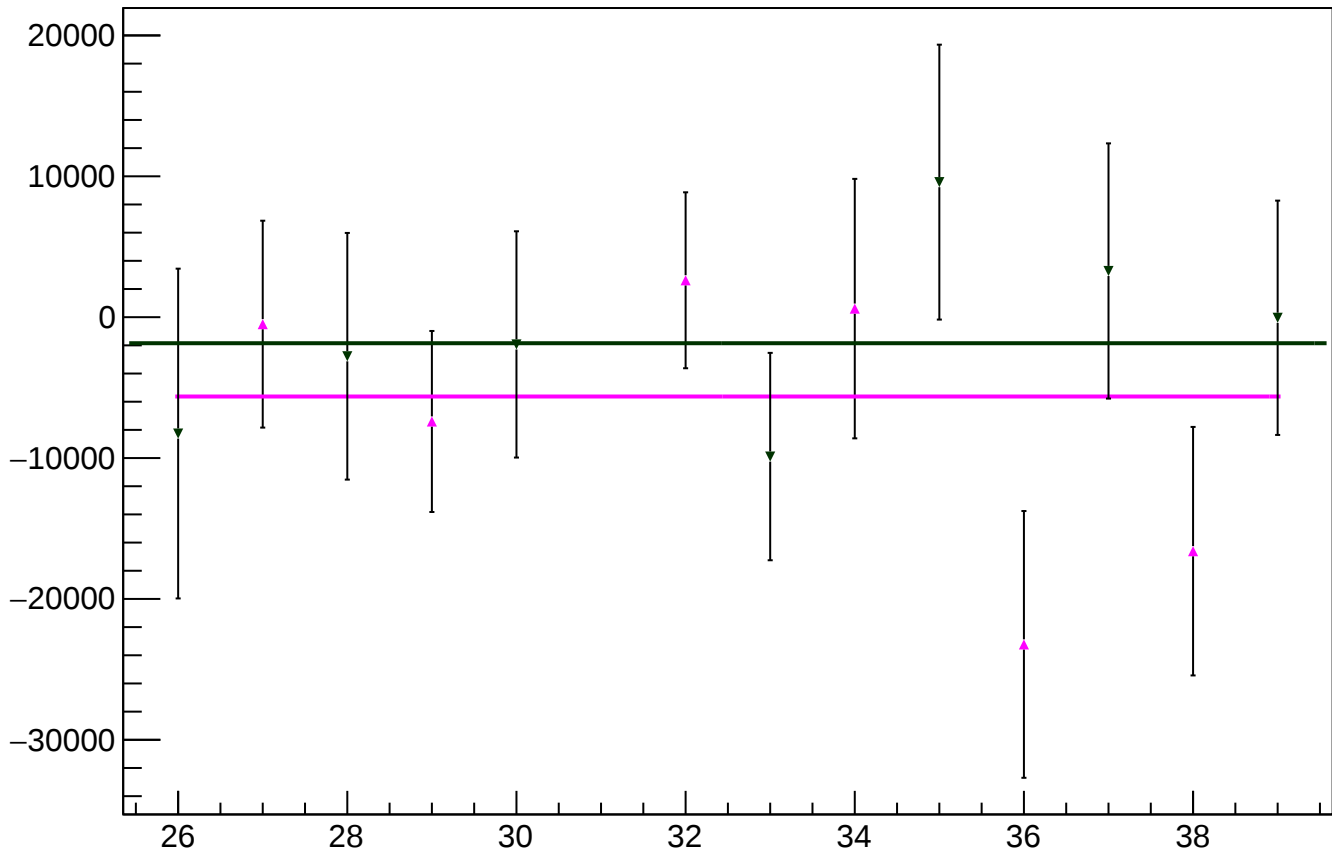
5474.543+/-2.005  $\chi^2/\text{NDF}$ : 99484.6/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 5391.527+/-1.889  $\chi^2/\text{NDF}$ :13608.3/5

5391.527+/-1.889  $\chi^2/\text{NDF}$ : 13608.3/5

# asym\_sam\_37\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -1848.147+/-3306.678  $\chi^2/\text{NDF}$ : 3.2/6

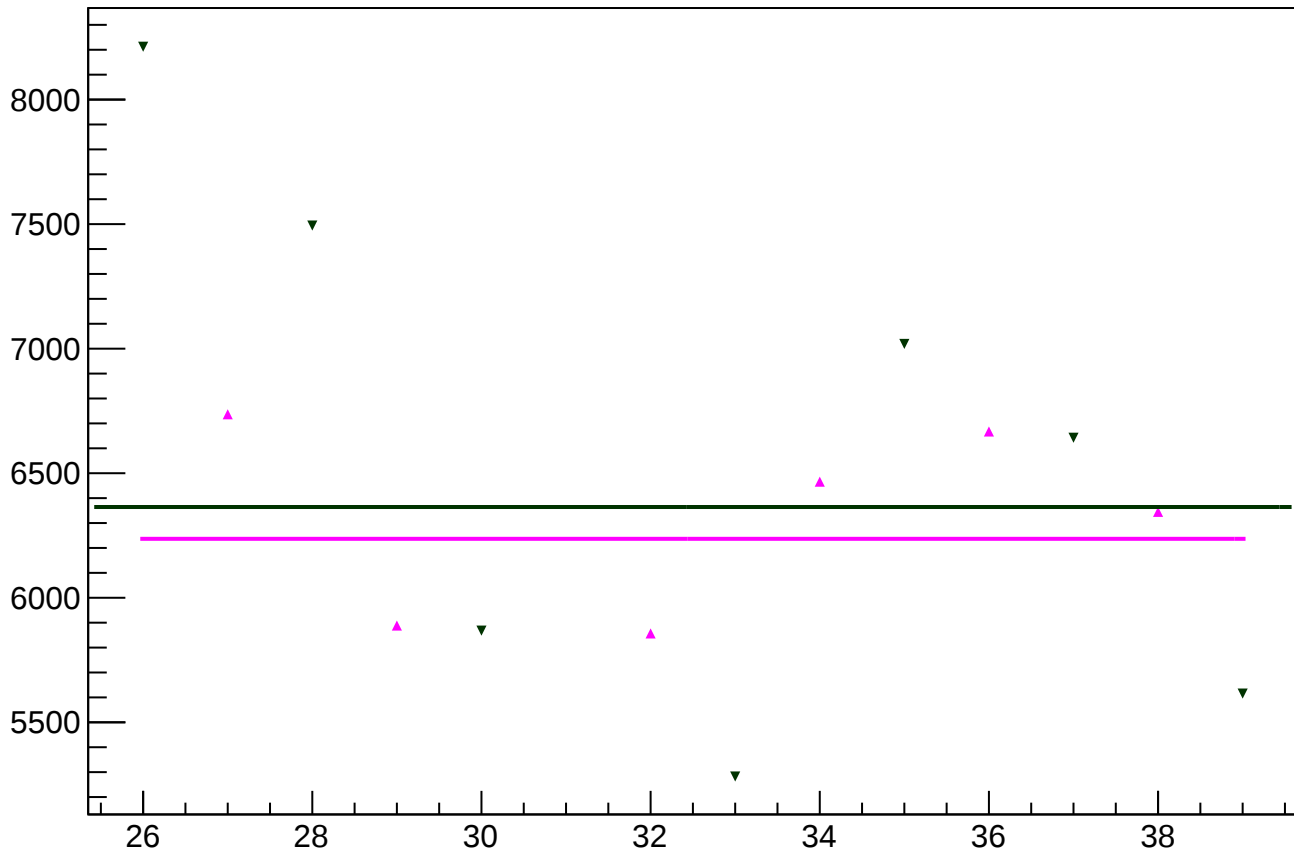
-1848.147+/-3306.678  $\chi^2/\text{NDF}$ : 3.2/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -5630.569+/-3097.702  $\chi^2/\text{NDF}$ : 7.8/5

-5630.569+/-3097.702  $\chi^2/\text{NDF}$ : 7.8/5

# asym\_sam\_37\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 6364.378+/-2.338  $\chi^2/\text{NDF}$ : 161111.9/6

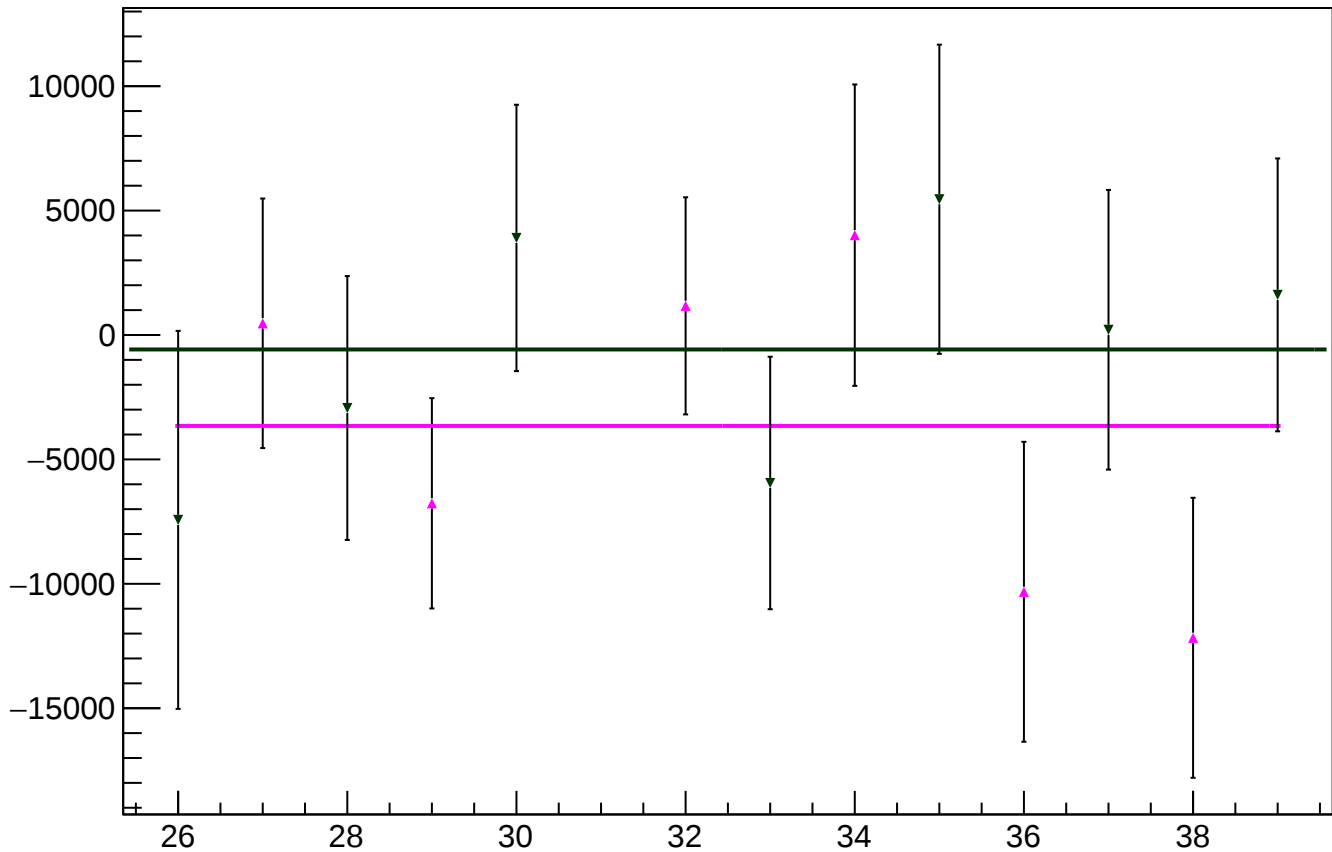
6364.378+/-2.338  $\chi^2/\text{NDF}$ : 161111.9/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6236.665+/-2.190  $\chi^2/\text{NDF}$ : 28230.7/5

Left In: 6236.665+/-2.190  $\chi^2/\text{NDF}$ : 28230.7/5

# asym\_sam\_48\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -581.249+/-2144.359  $\chi^2/\text{NDF}$ : 4.0/6

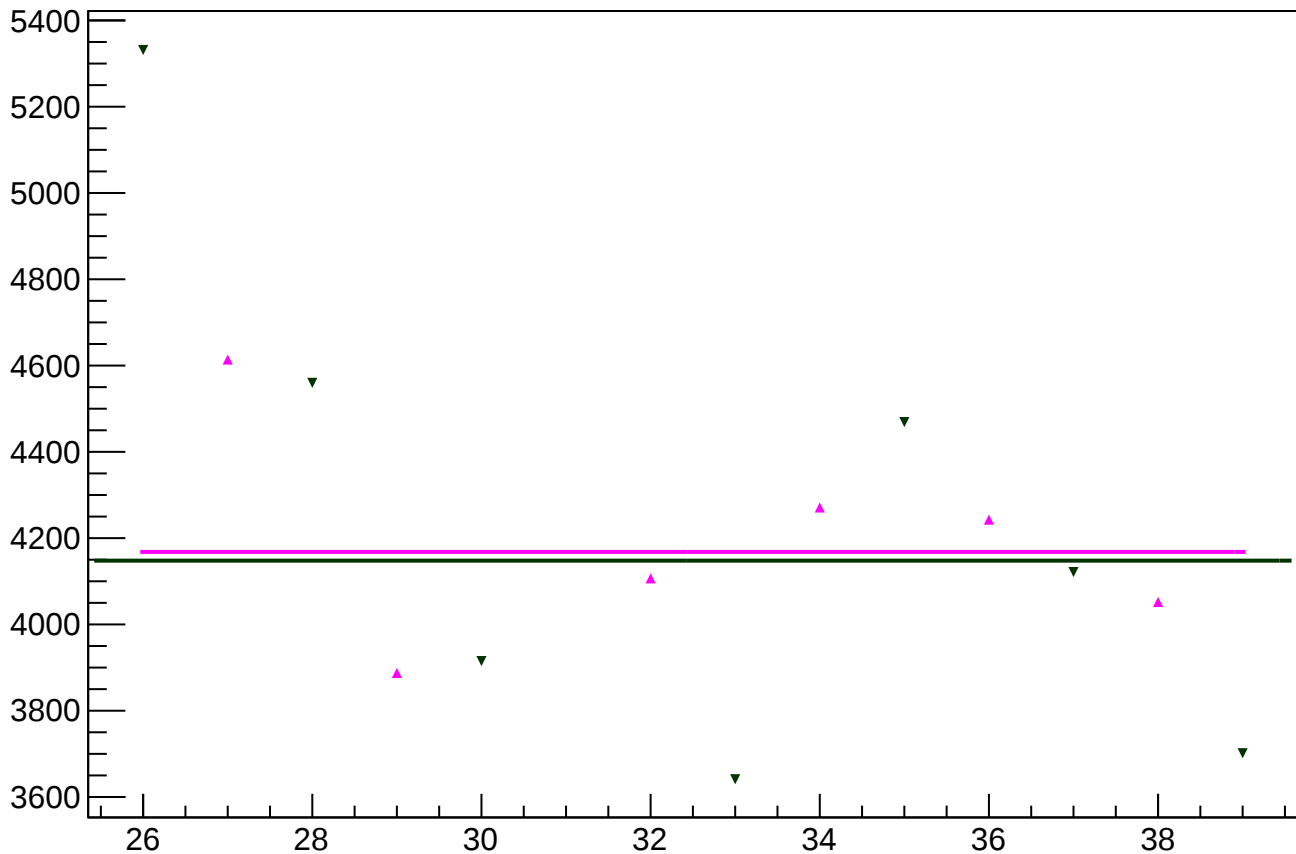
-581.249+/-2144.359  $\chi^2/\text{NDF}$ : 4.0/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-3654.670+/-2064.345  $\chi^2/\text{NDF}$ : 7.6/5

Left In: -3654.670+/-2064.345  $\chi^2/\text{NDF}$ : 7.6/5

# asym\_sam\_48\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 4147.839+/-1.516  $\chi^2/\text{NDF}$ :103015.9/6

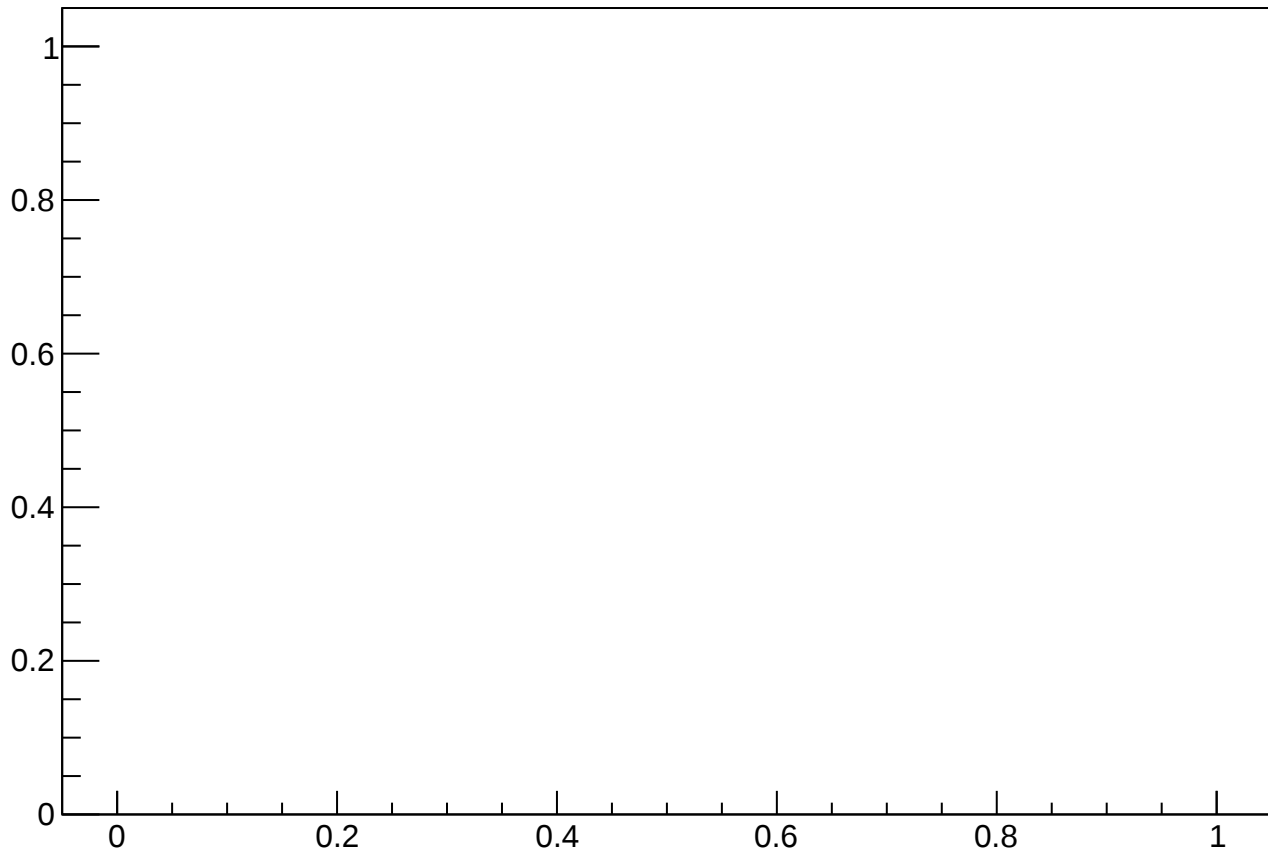
4147.839+/-1.516  $\chi^2/\text{NDF}$ : 103015.9/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4168.094+/-1.460  $\chi^2/\text{NDF}$ : 26751.7/5

Left In: 4168.094+/-1.460  $\chi^2/\text{NDF}$ :26751.7/5

yield\_sam\_15\_dd\_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

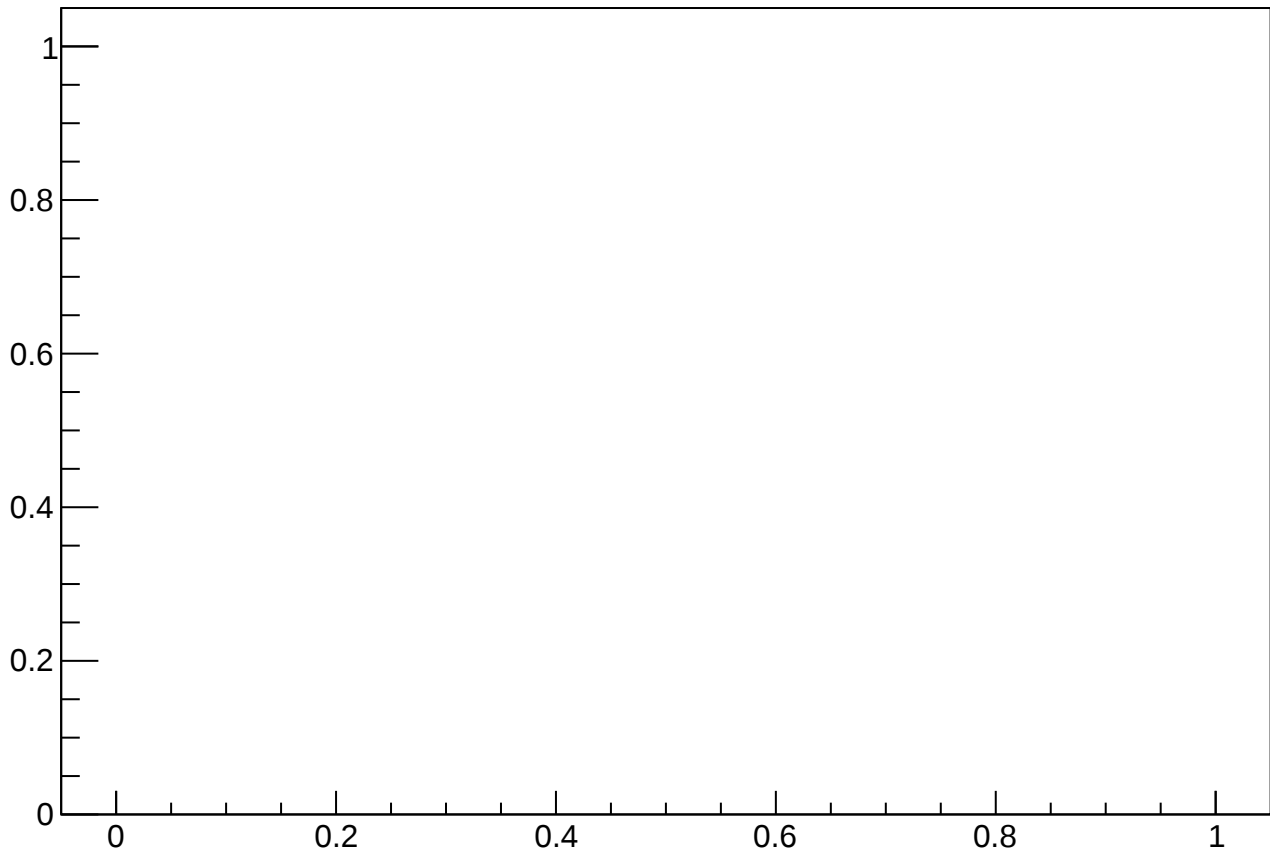
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# yield\_sam\_15\_dd\_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

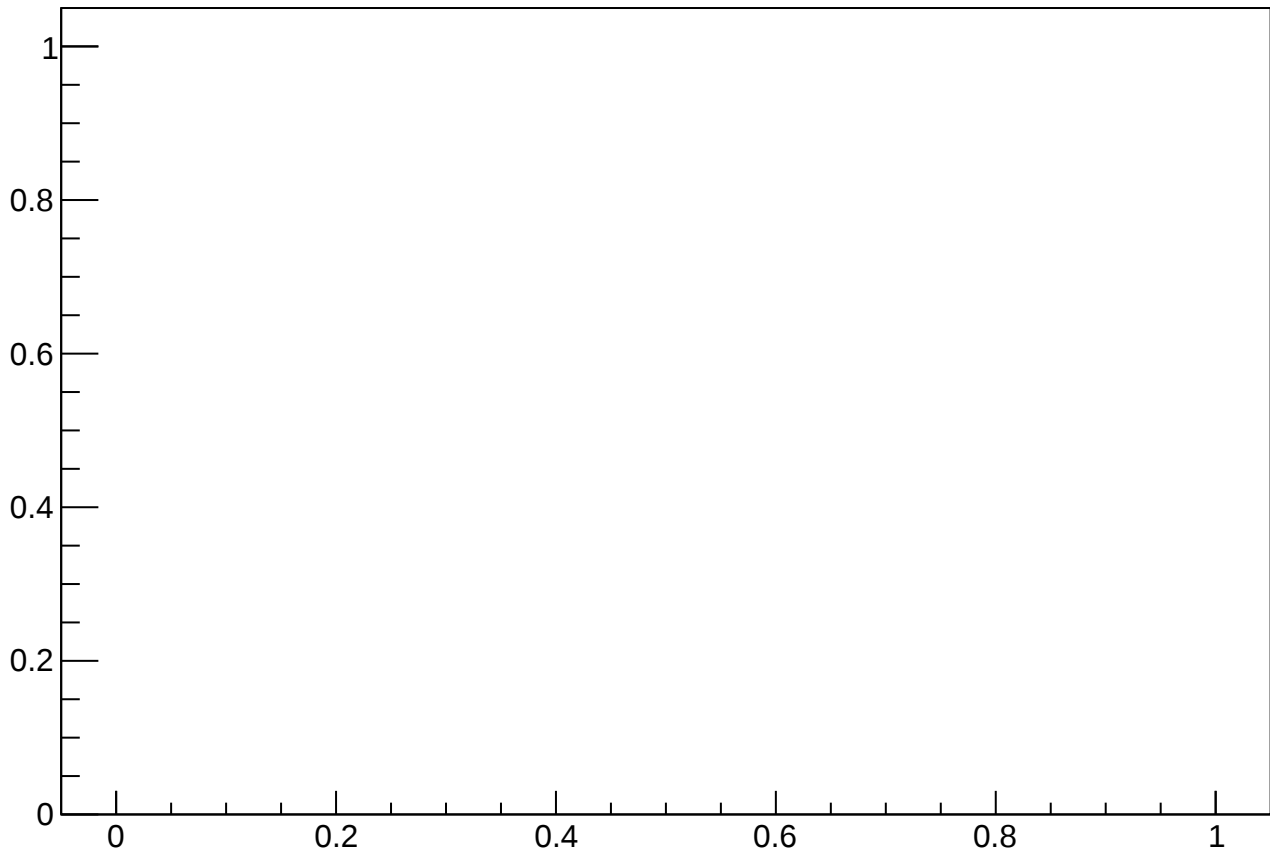
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

yield\_sam\_26\_dd\_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

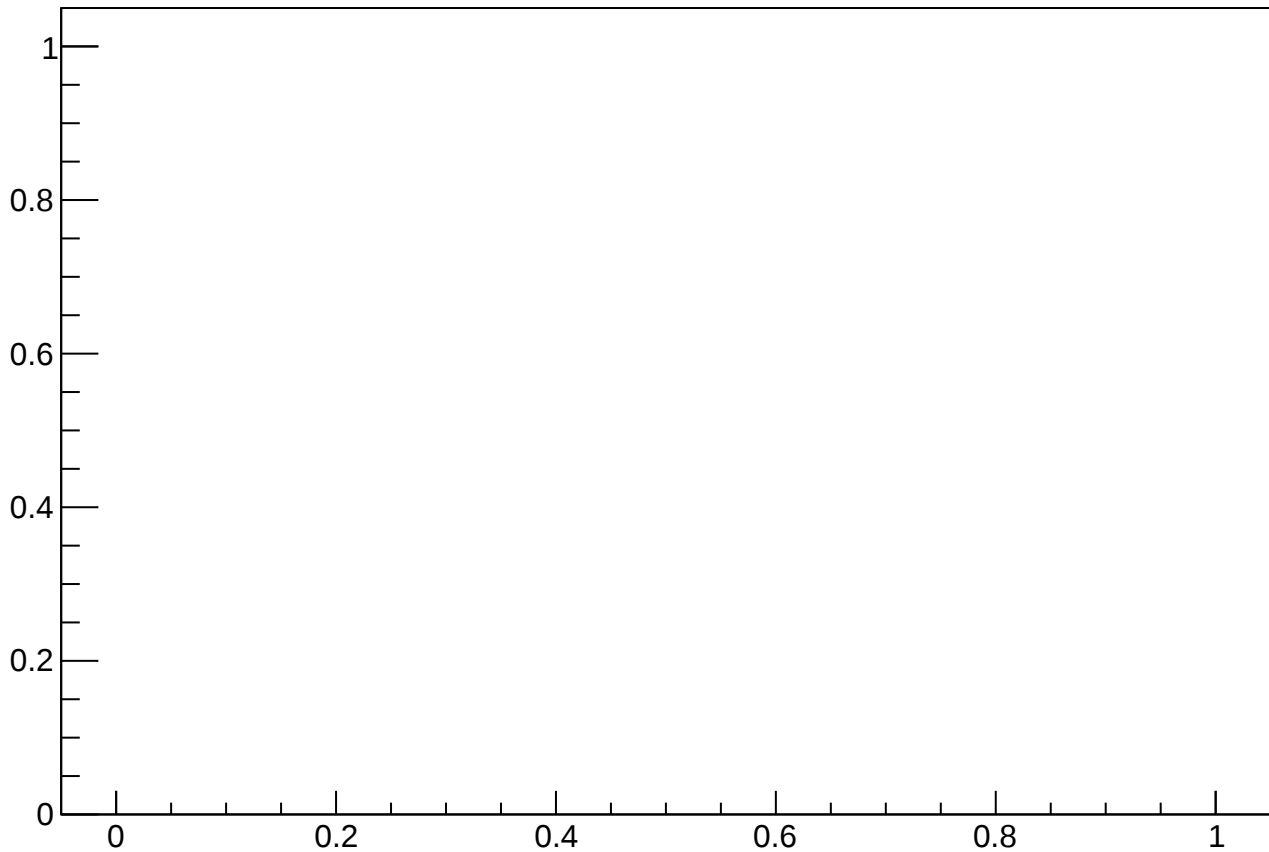
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# yield\_sam\_26\_dd\_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

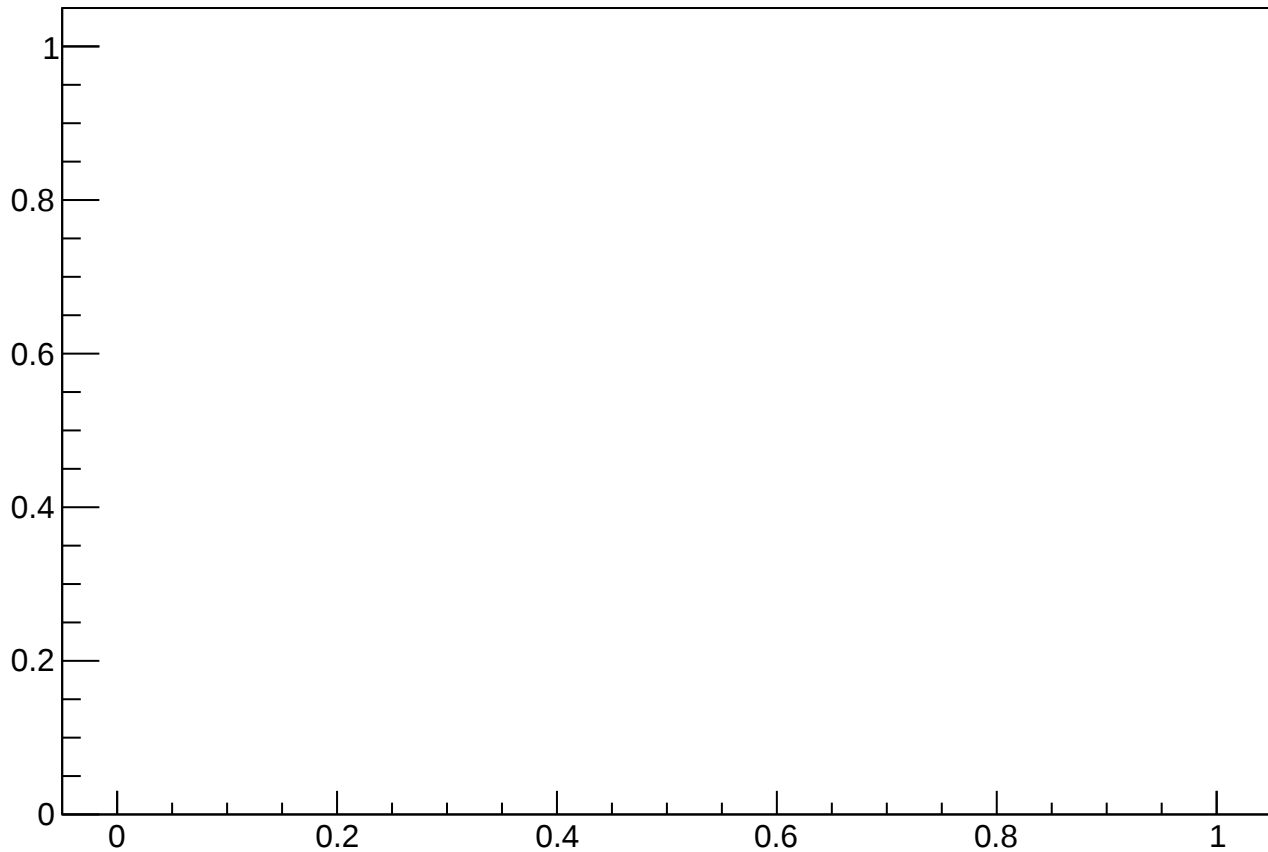
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

yield\_sam\_37\_dd\_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

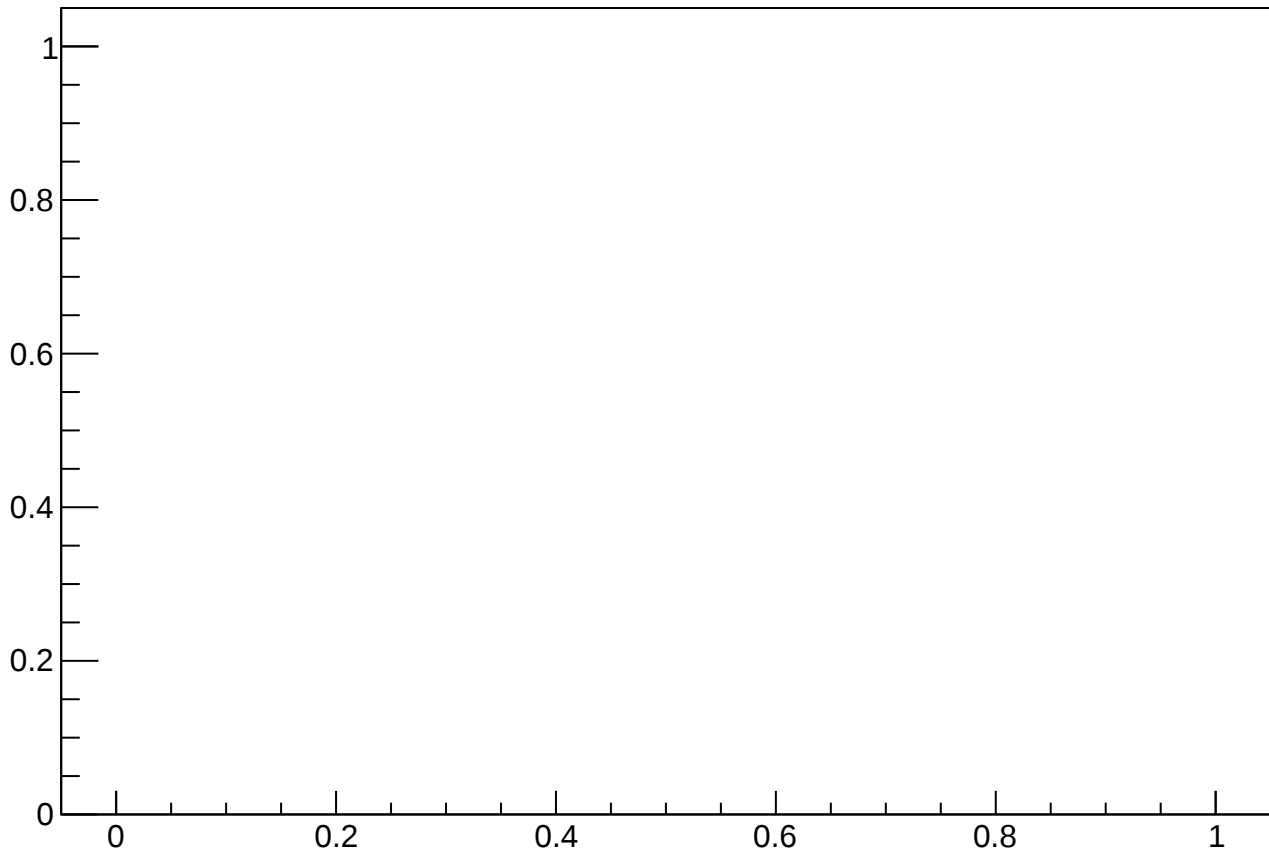
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# yield\_sam\_37\_dd\_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

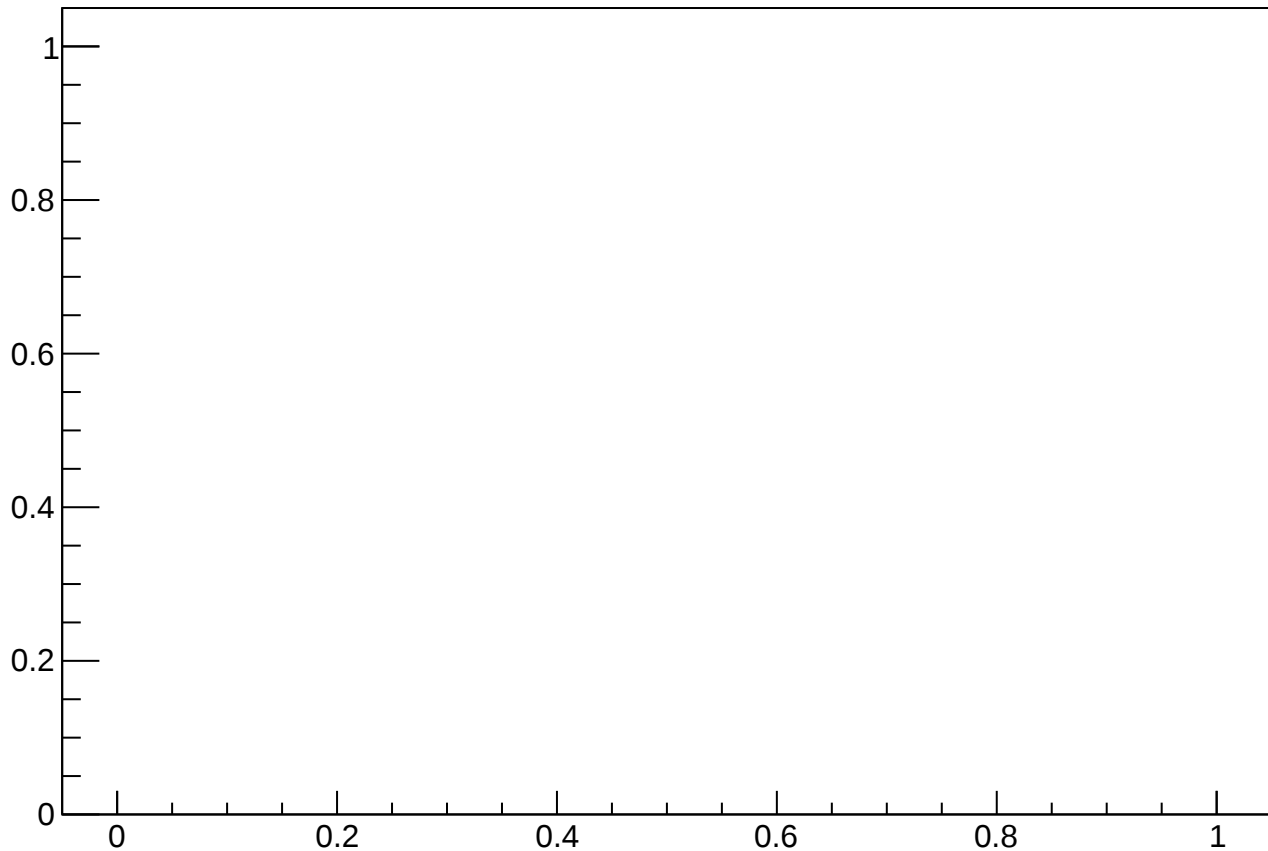
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

yield\_sam\_48\_dd\_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

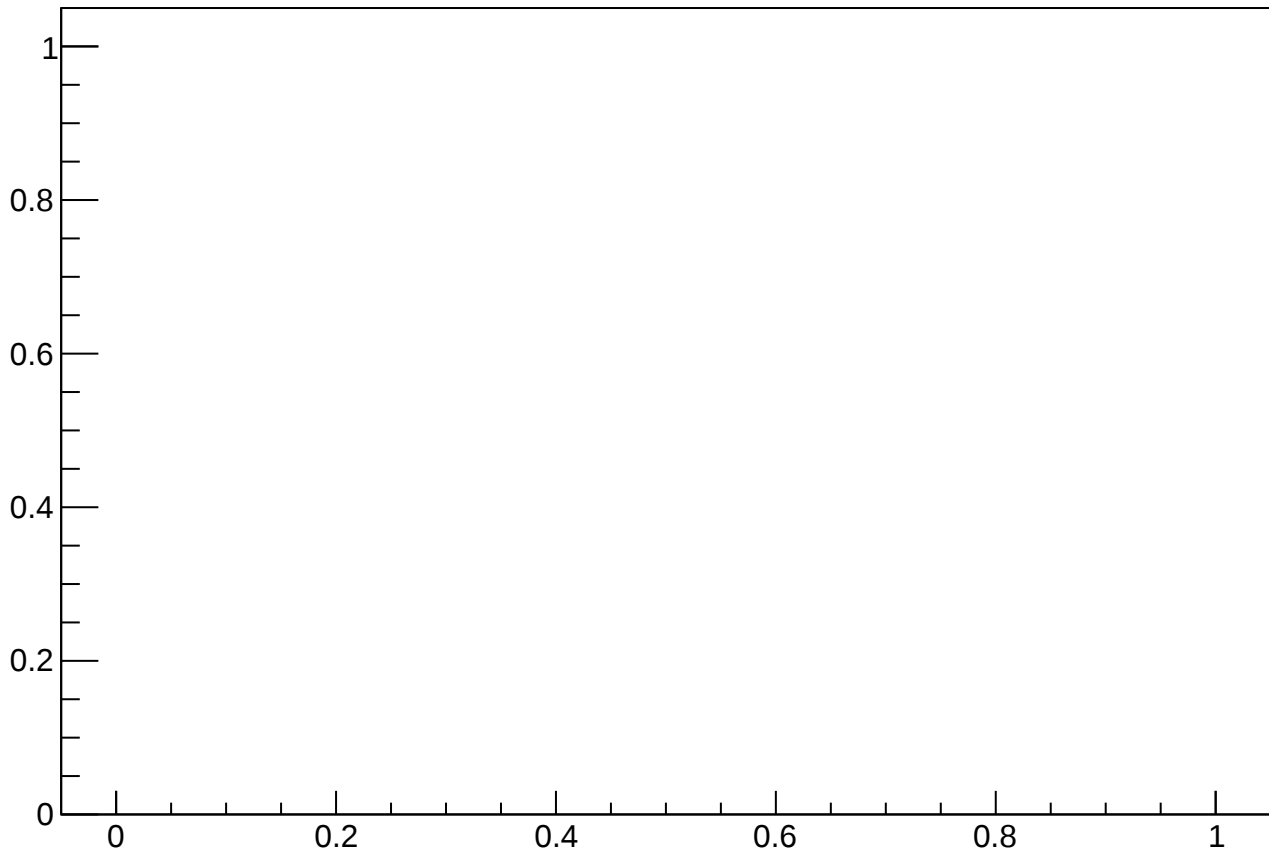
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# yield\_sam\_48\_dd\_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

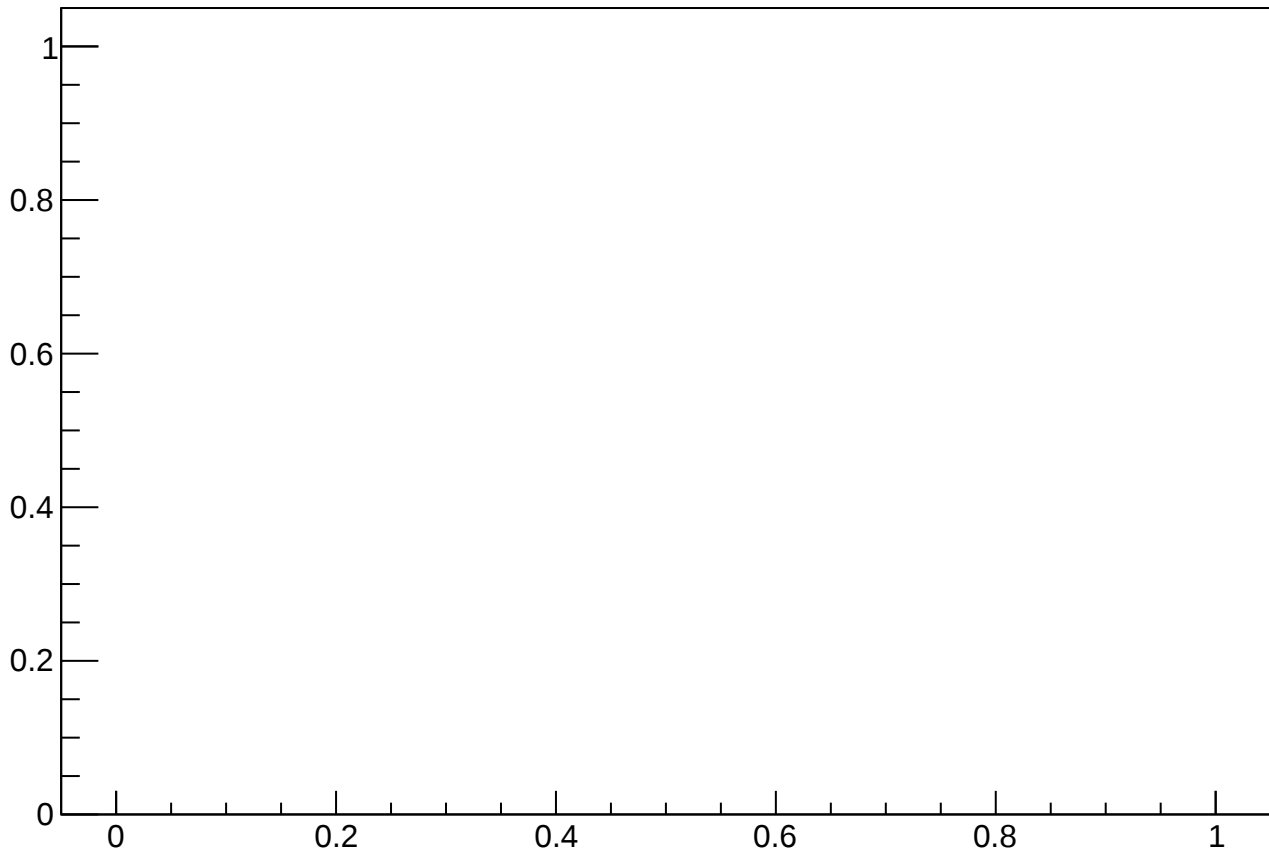
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# cor\_sam\_15\_dd\_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

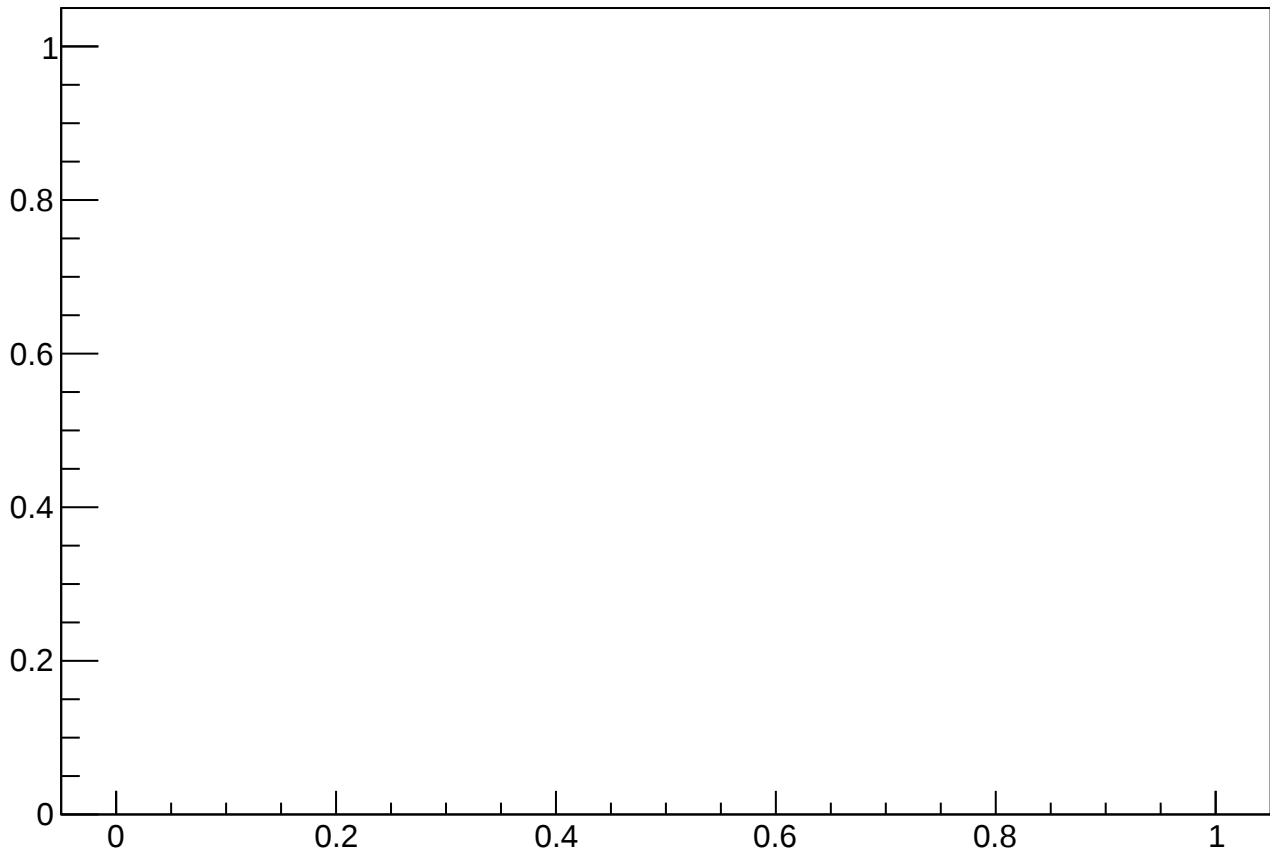
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# cor\_sam\_15\_dd\_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

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# cor\_sam\_26\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

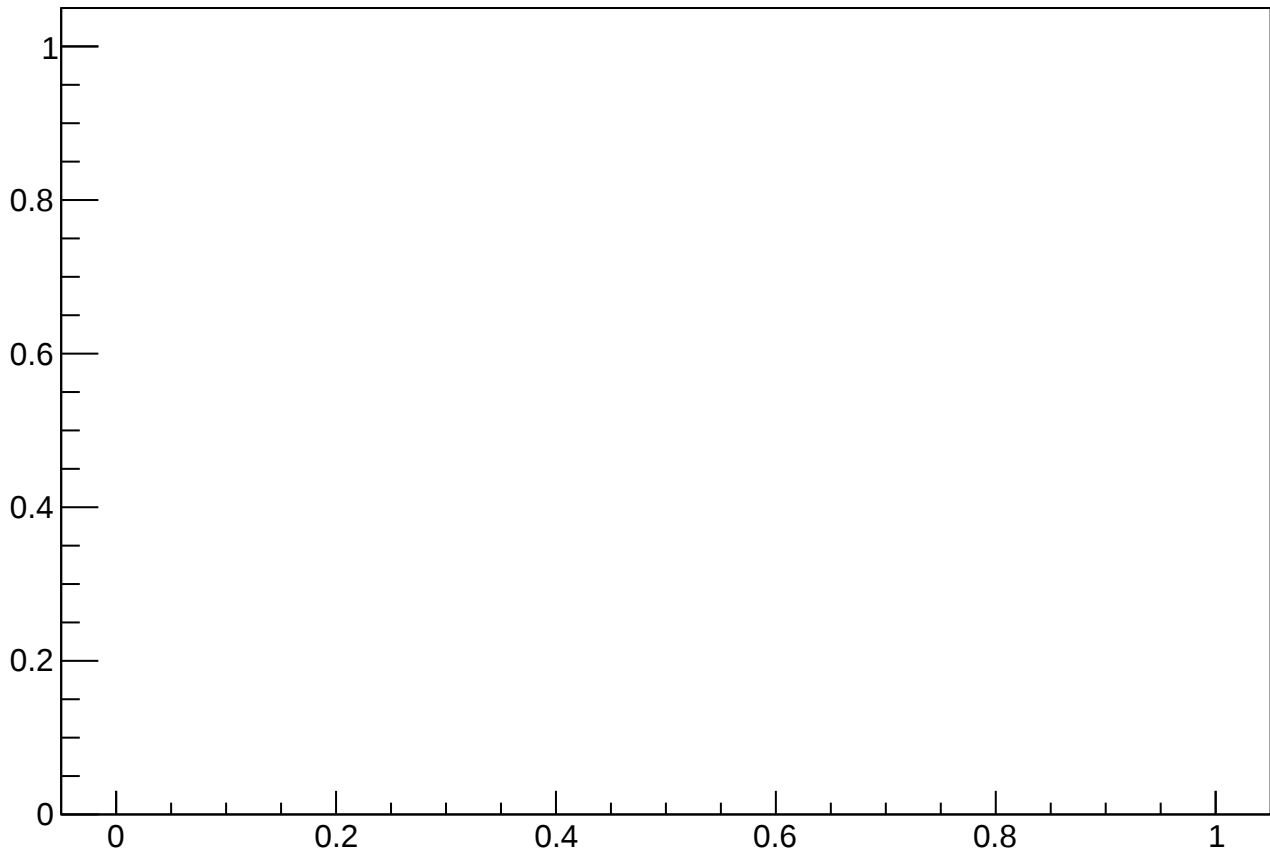
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

# cor\_sam\_26\_dd\_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

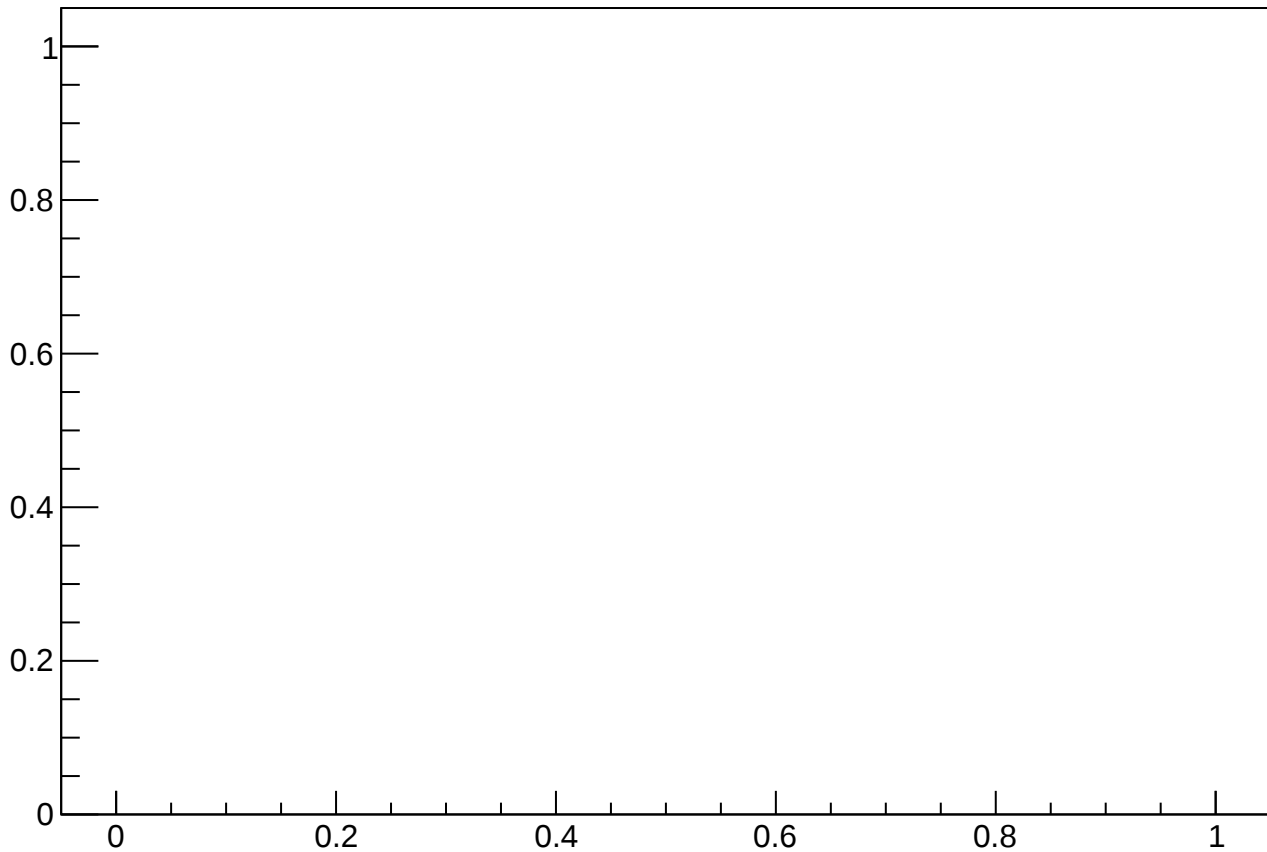
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

cor\_sam\_37\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

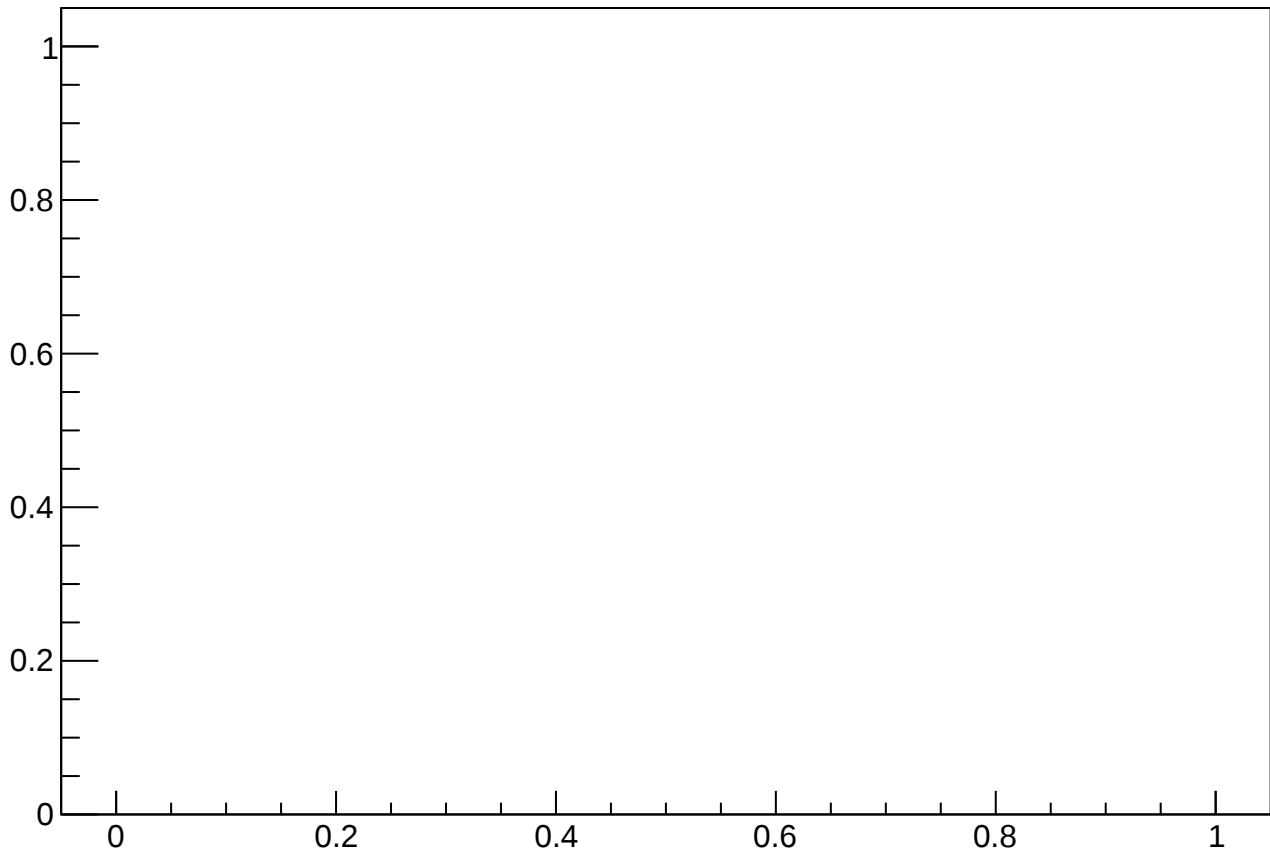
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

# cor\_sam\_37\_dd\_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

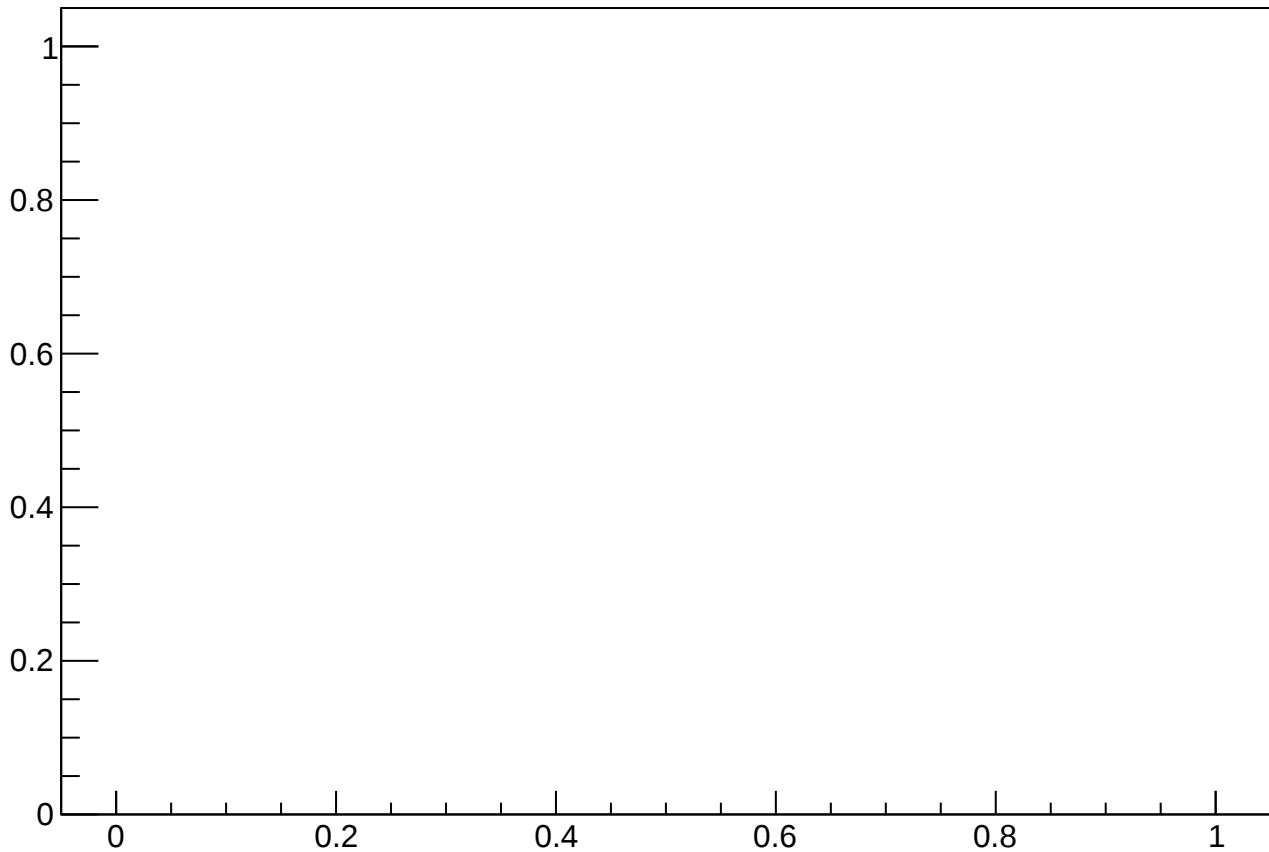
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

cor\_sam\_48\_dd\_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

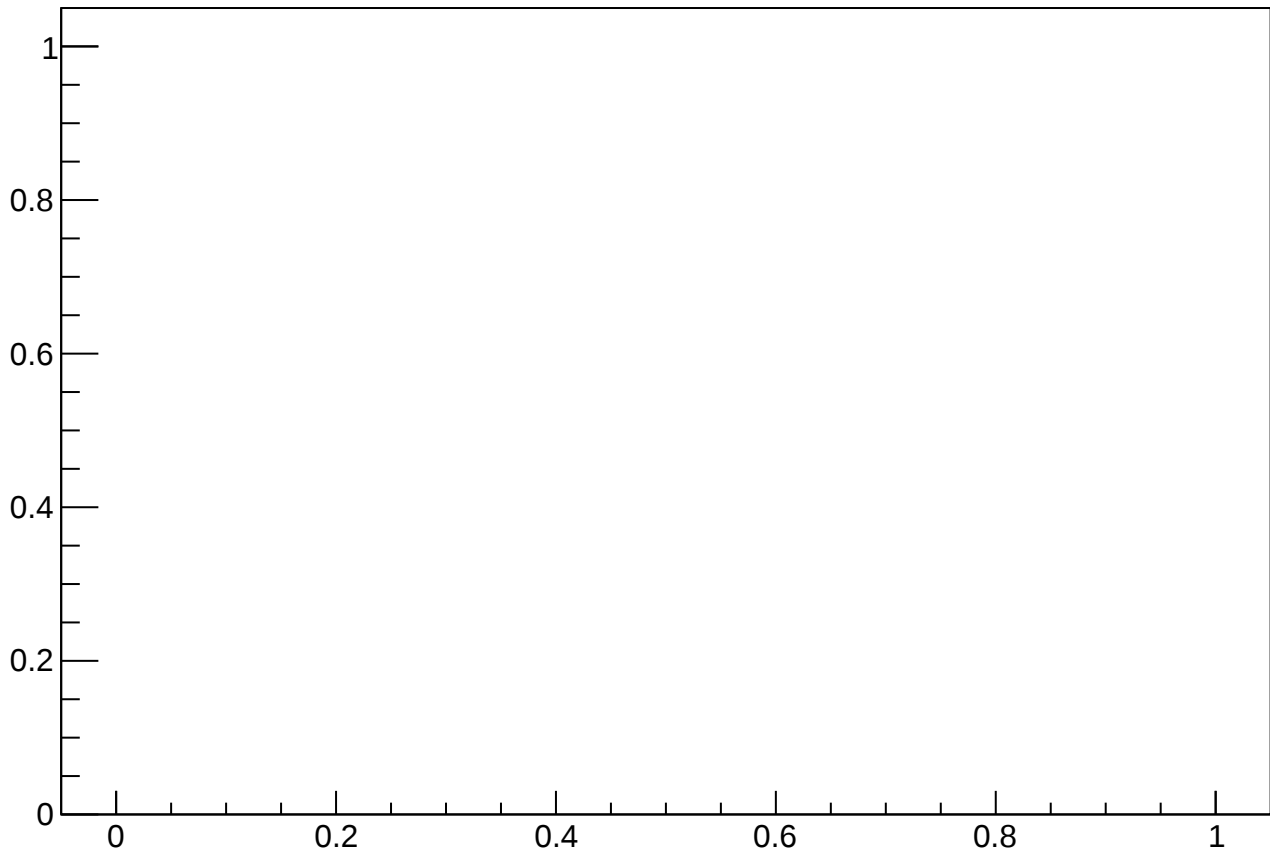
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# cor\_sam\_48\_dd\_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

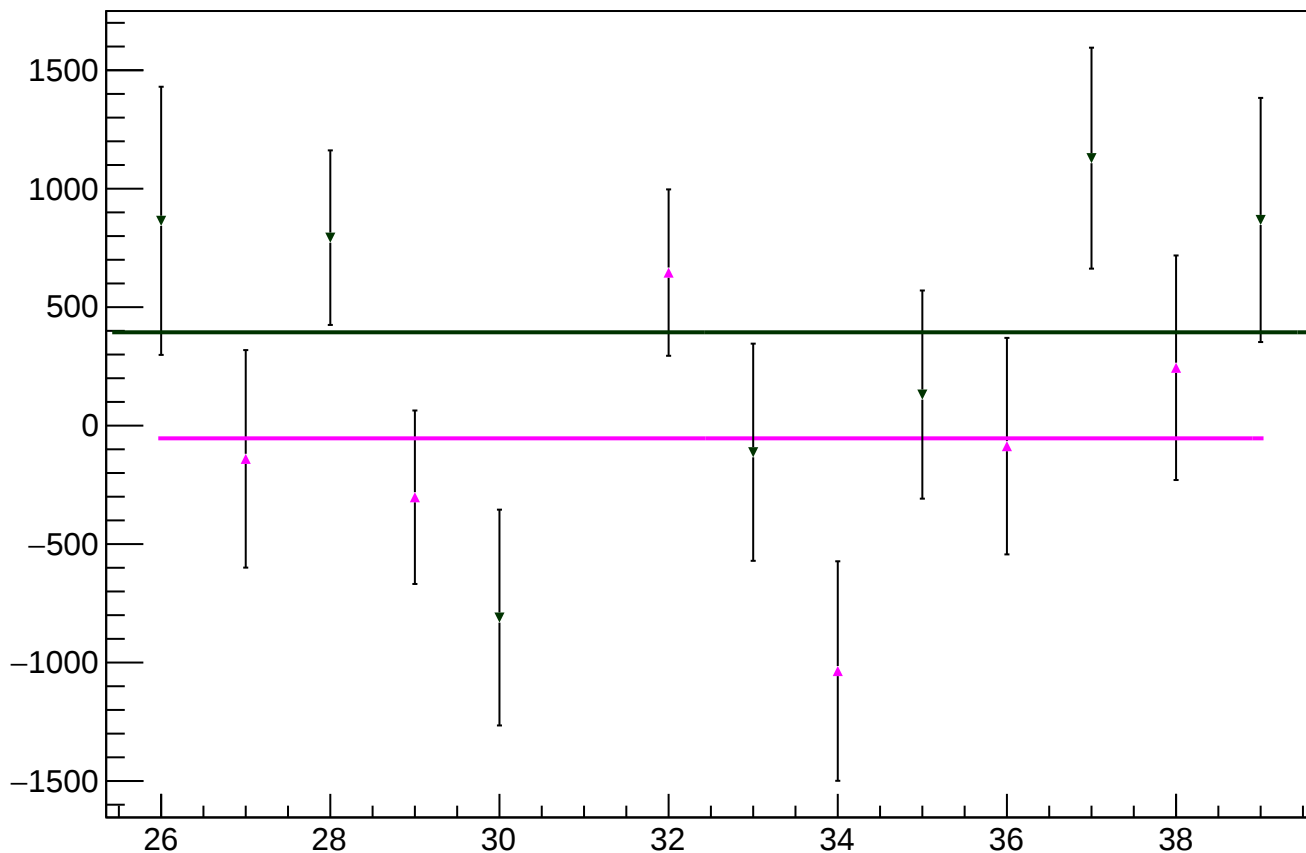
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_15\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 393.905+/-172.465  $\chi^2/\text{NDF}$ :13.8/6

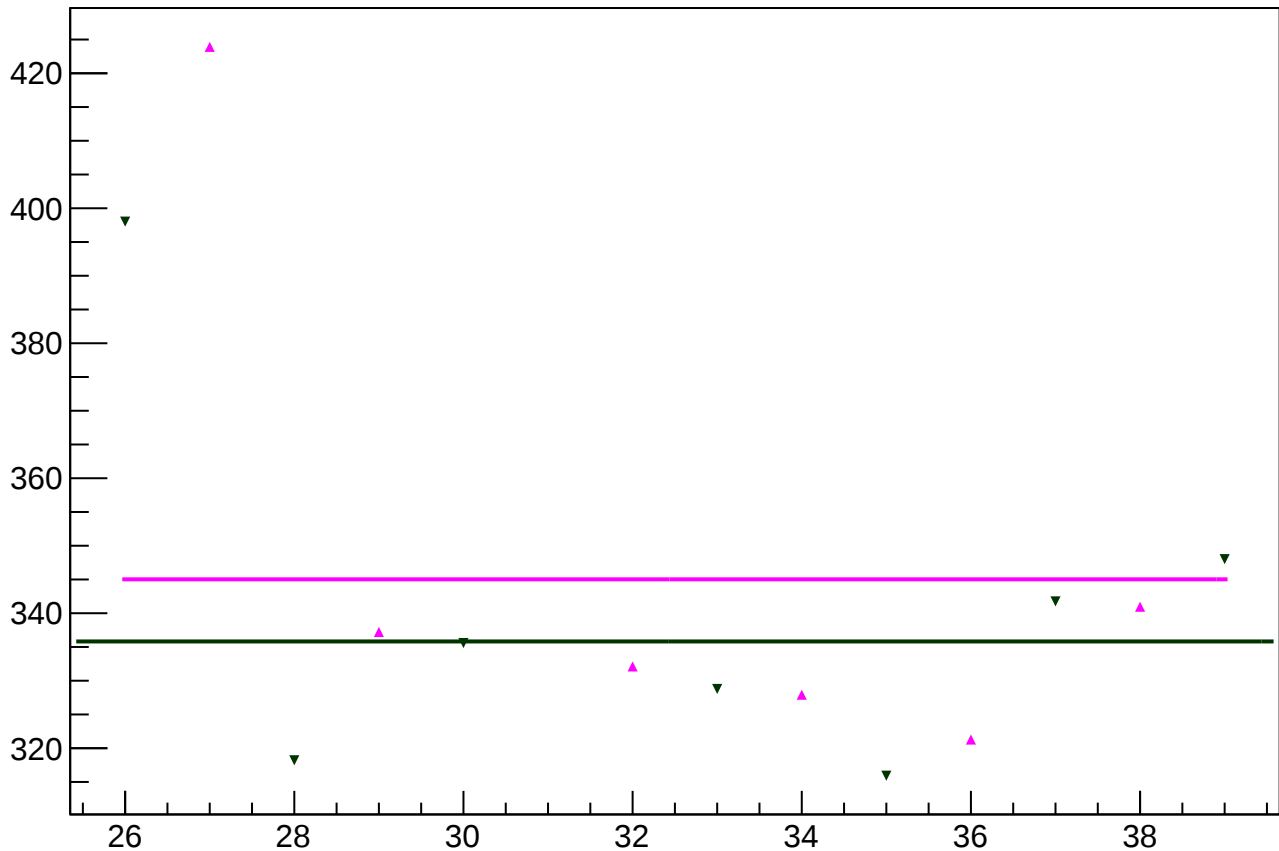
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -53.687+/-170.952  $\chi^2/\text{NDF}$ :9.4/5

393.905+/-172.465  $\chi^2/\text{NDF}$ : 13.8/6

-53.687+/-170.952  $\chi^2/\text{NDF}$ : 9.4/5

# reg\_asym\_sam\_15\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 335.818+/-0.122  $\chi^2/\text{NDF}$ : 34750.6/6

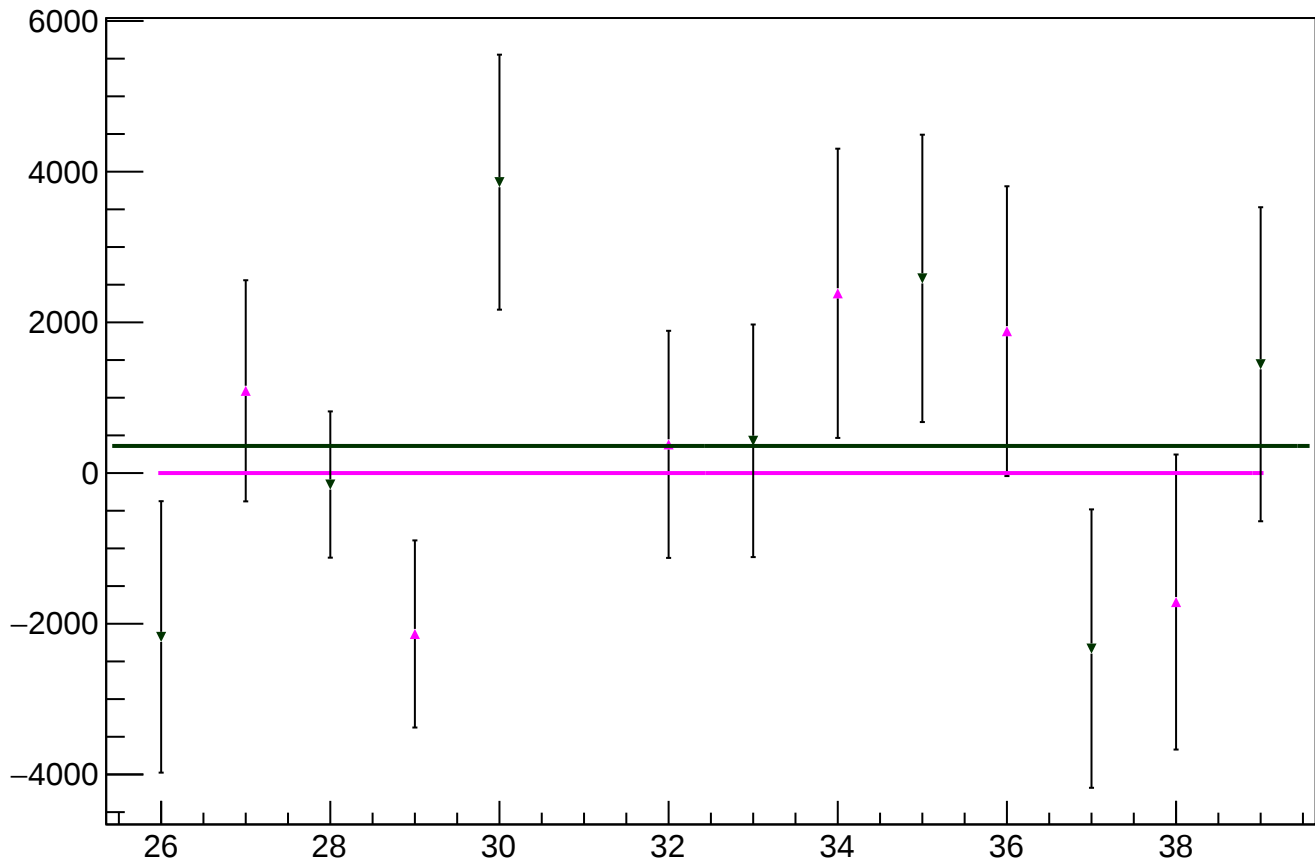
335.818+/-0.122  $\chi^2/\text{NDF}$ : 34750.6/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

345.024+/-0.121  $\chi^2/\text{NDF}$ : 70944.5/5

Left In: 345.024+/-0.121  $\chi^2/\text{NDF}$ : 70944.5/5

# asym\_sam\_15\_dd\_correction\_mean vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 359.929 $\pm$ 583.533  $\chi^2$ /NDF:10.3/6

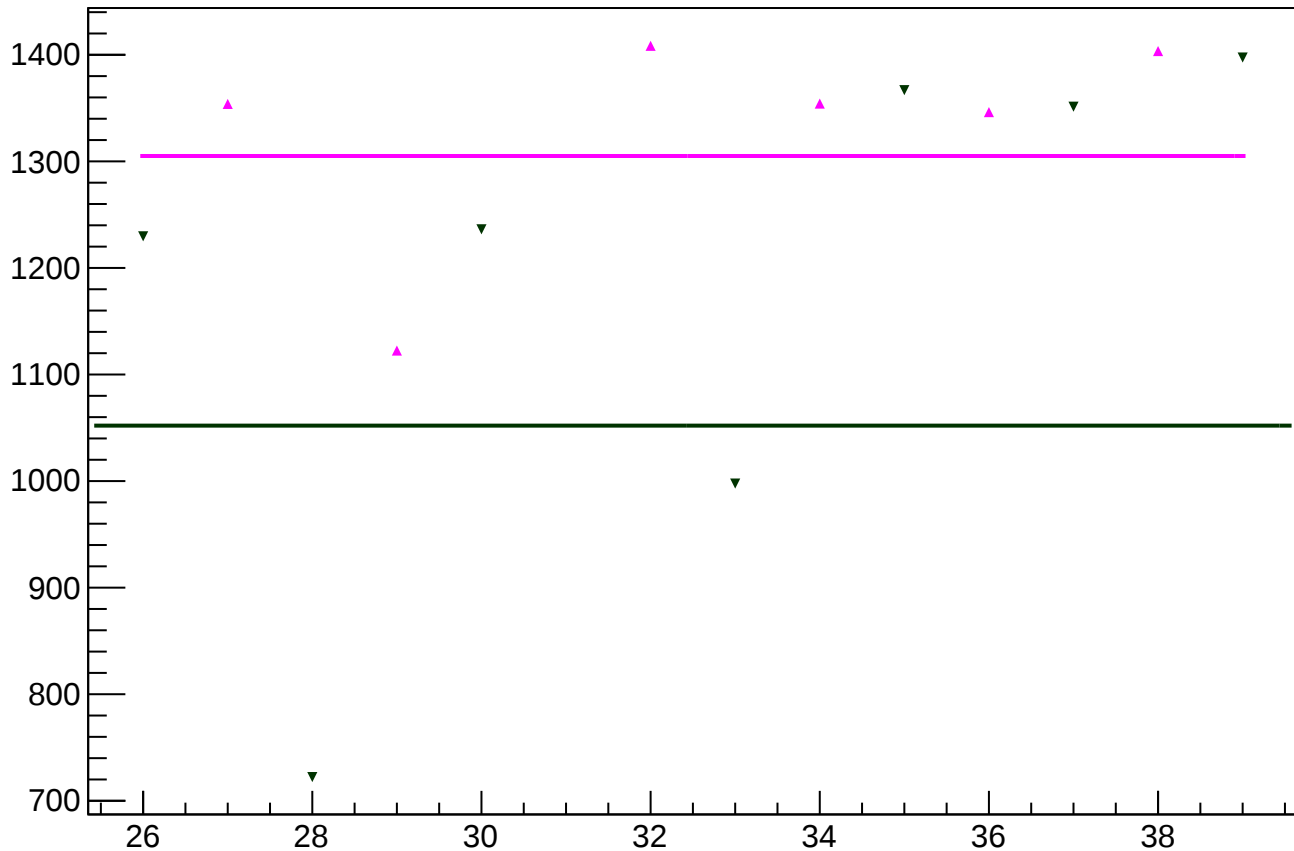
359.929 $\pm$ 583.533  $\chi^2$ /NDF: 10.3/6

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

0.067 $\pm$ 651.533  $\chi^2$ /NDF: 6.8/5

Left In: 0.067 $\pm$ 651.533  $\chi^2$ /NDF:6.8/5

# asym\_sam\_15\_dd\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1052.036+/-0.413  $\chi^2/\text{NDF}$ : 438414.0/6

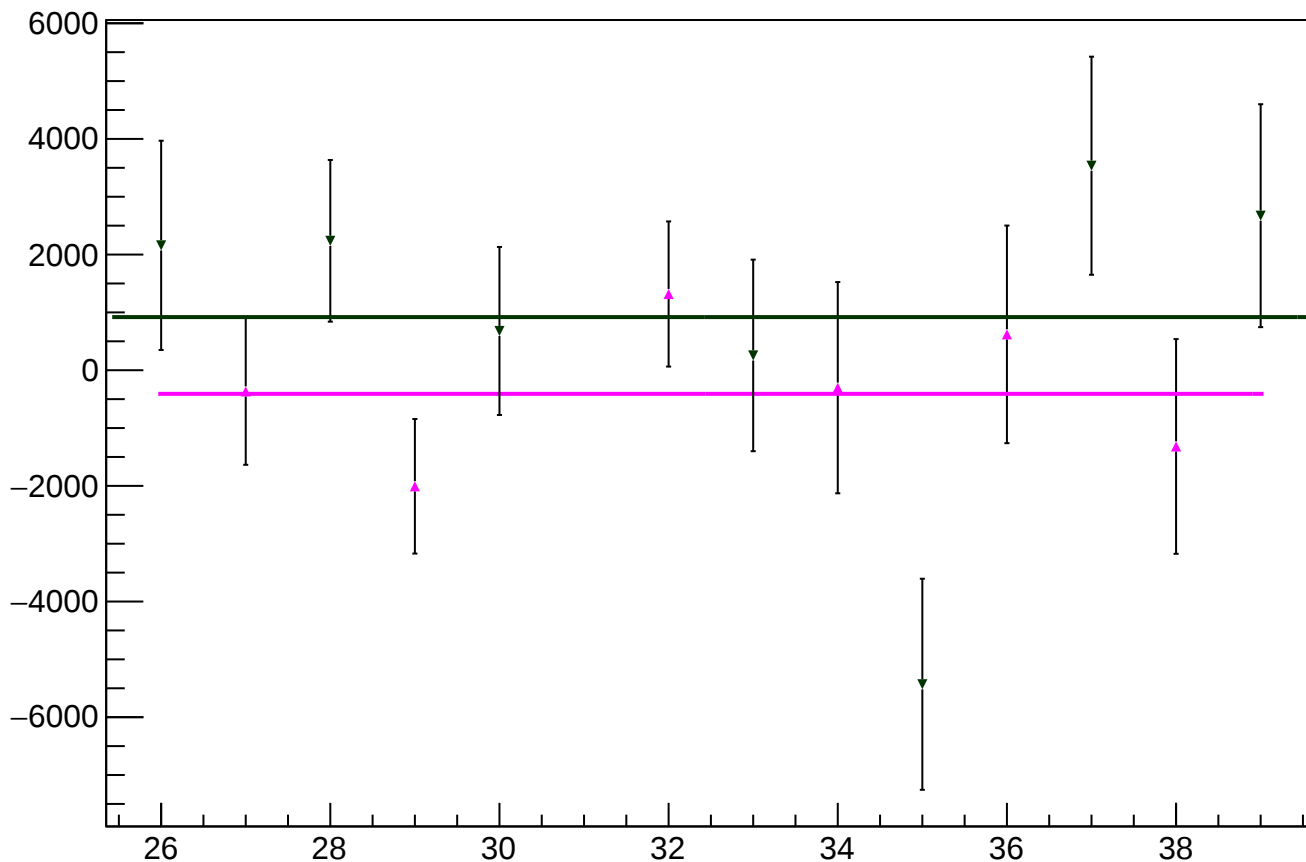
1052.036+/-0.413  $\chi^2/\text{NDF}$ : 438414.0/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1305.046+/-0.461  $\chi^2/\text{NDF}$ : 62145.4/5

Left In: 1305.046+/-0.461  $\chi^2/\text{NDF}$ : 62145.4/5

# reg\_asym\_sam\_26\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 918.810+/-631.681  $\chi^2/\text{NDF}$ : 16.4/6

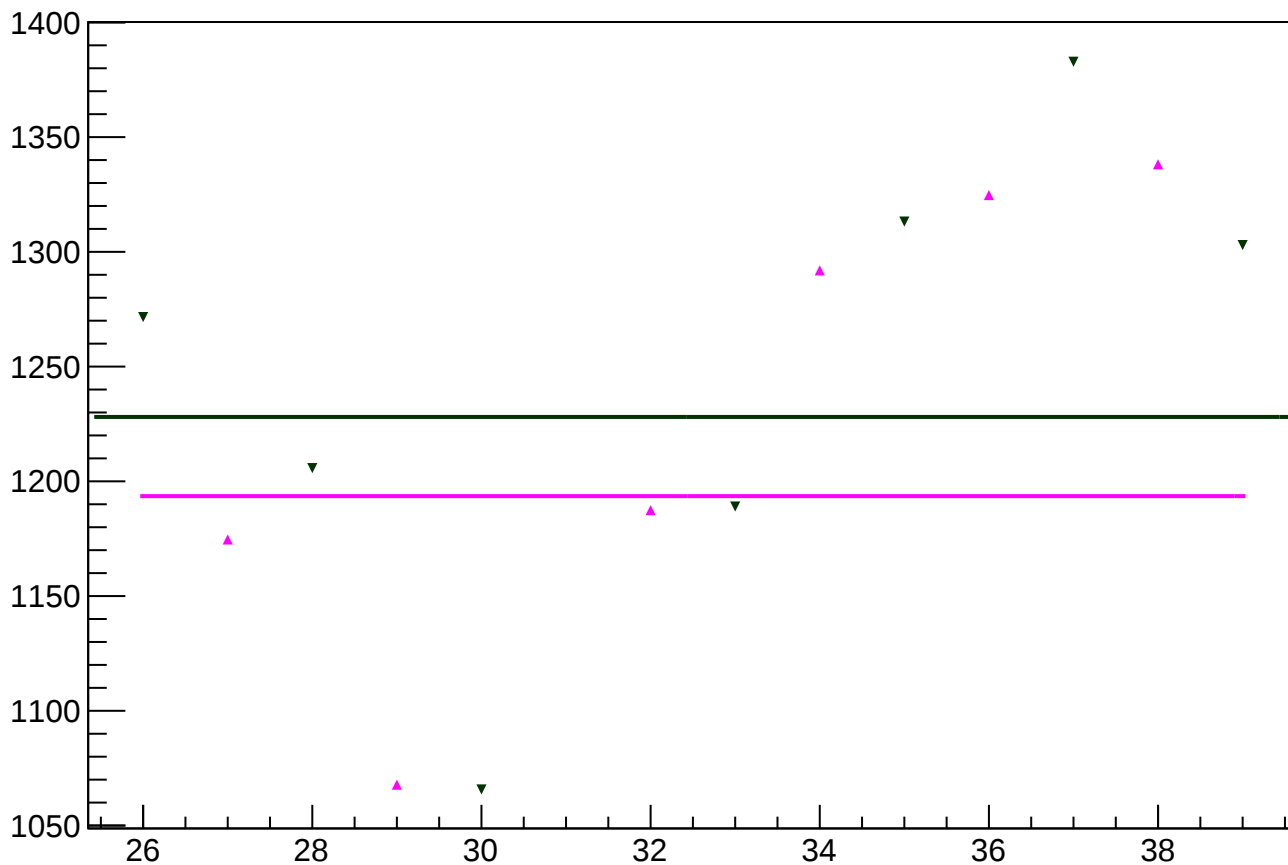
918.810+/-631.681  $\chi^2/\text{NDF}$ : 16.4/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-408.417+/-590.605  $\chi^2/\text{NDF}$ : 4.3/5

Left In: -408.417+/-590.605  $\chi^2/\text{NDF}$ : 4.3/5

# reg\_asym\_sam\_26\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1228.059+/-0.447  $\chi^2/\text{NDF}$ : 48598.3/6

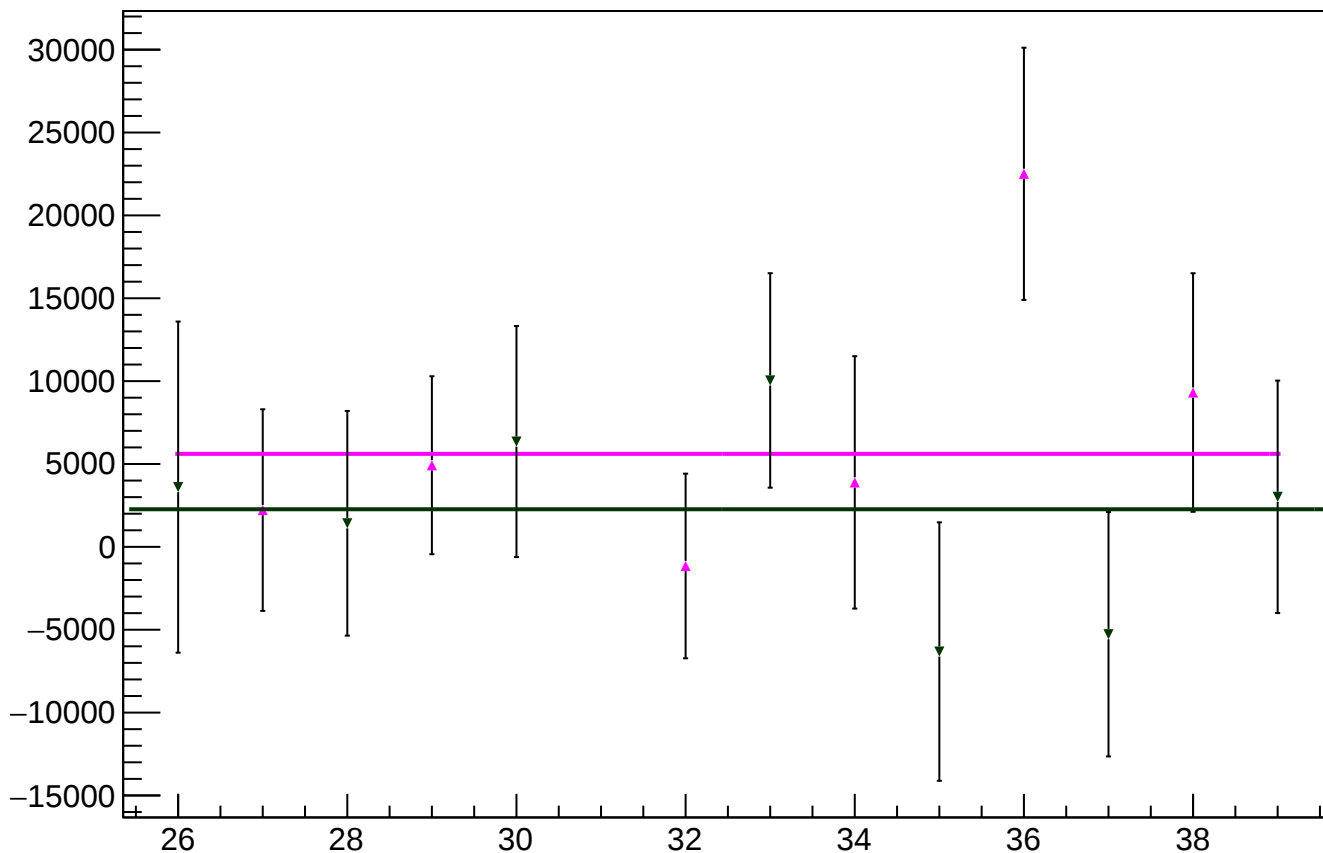
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1193.548+/-0.418  $\chi^2/\text{NDF}$ : 51505.0/5

1228.059+/-0.447  $\chi^2/\text{NDF}$ : 48598.3/6

1193.548+/-0.418  $\chi^2/\text{NDF}$ : 51505.0/5

# asym\_sam\_26\_dd\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2269.029+/-2758.470  $\chi^2/\text{NDF}$ : 4.1/6

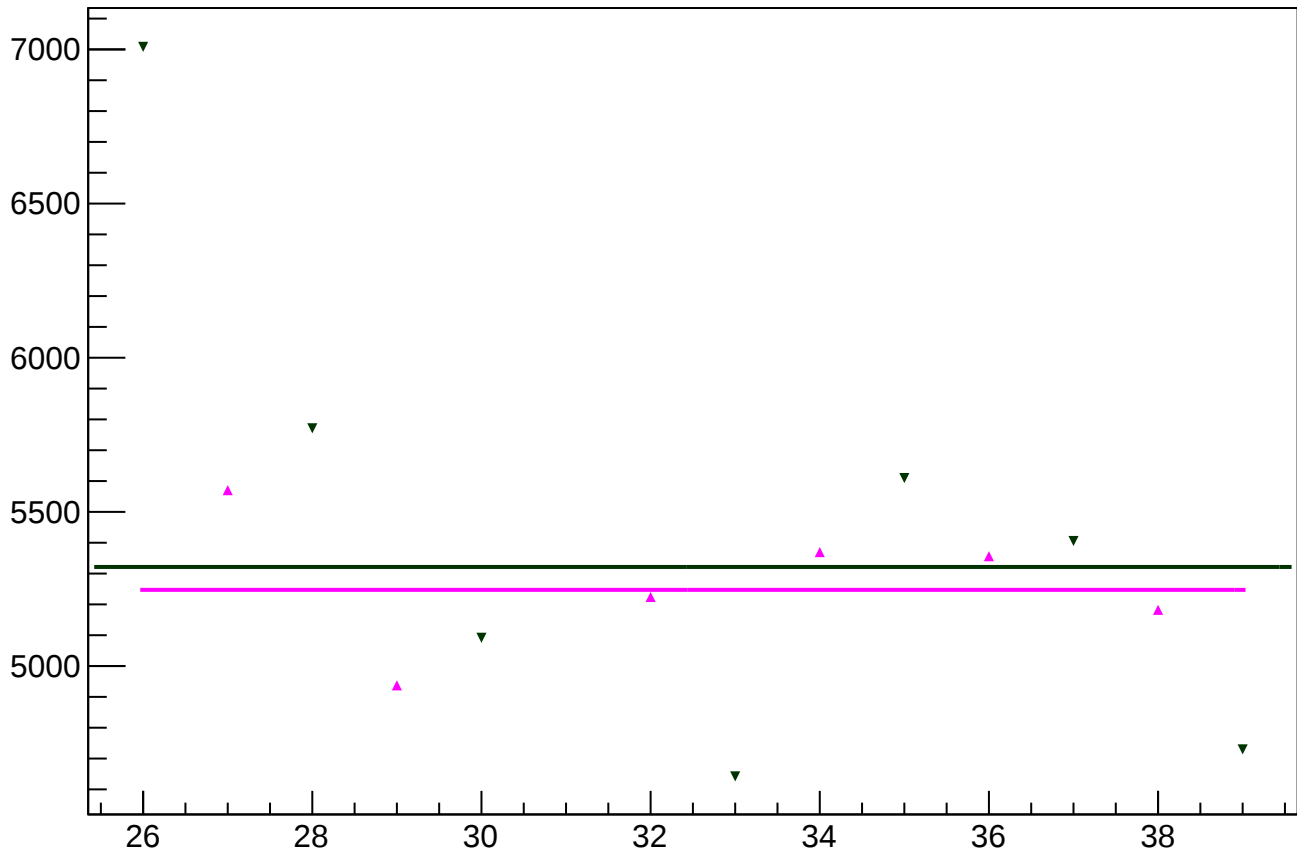
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 5611.734+/-2601.375  $\chi^2/\text{NDF}$ : 7.0/5

2269.029+/-2758.470  $\chi^2/\text{NDF}$ : 4.1/6

5611.734+/-2601.375  $\chi^2/\text{NDF}$ : 7.0/5

# asym\_sam\_26\_dd\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 5321.402+/-1.951  $\chi^2/\text{NDF}$ :107284.3/6

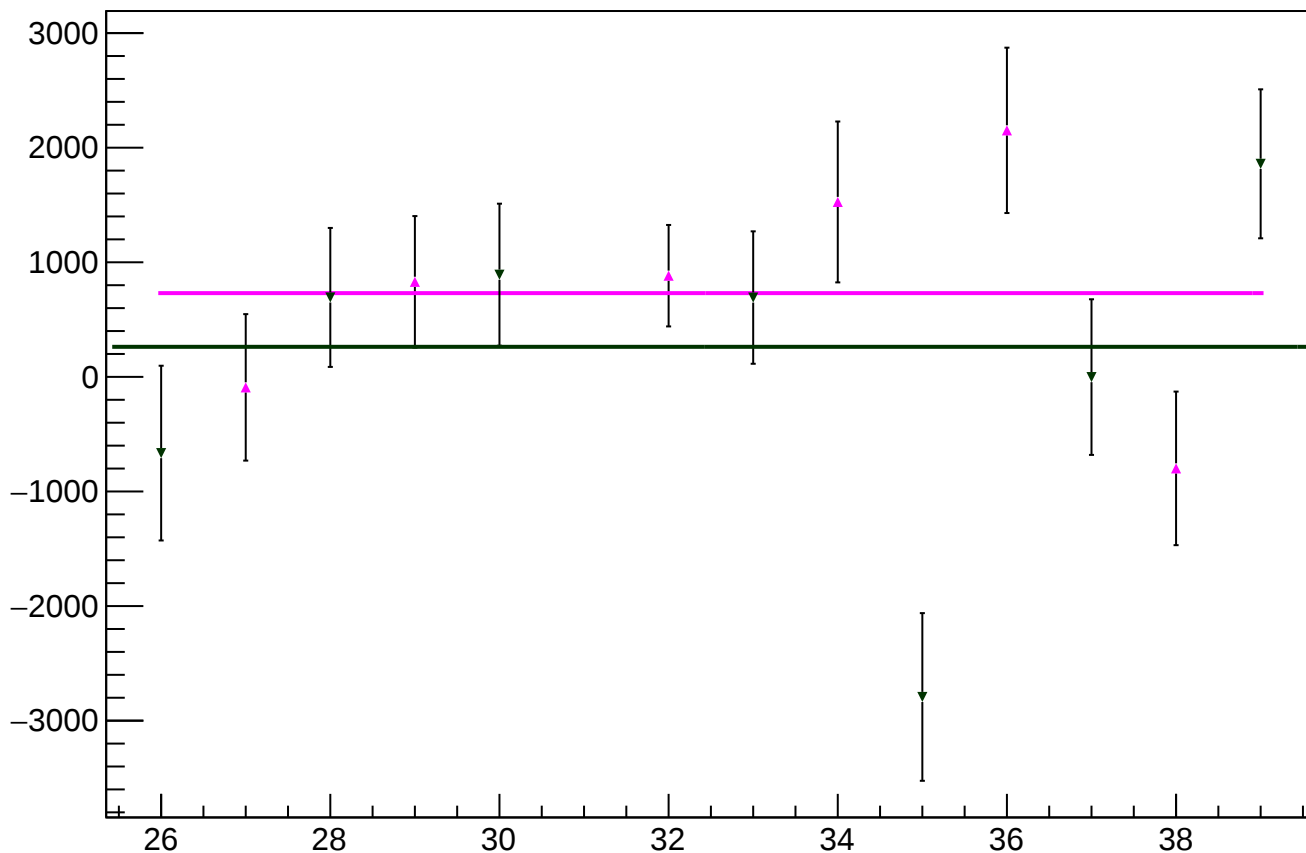
5321.402+/-1.951  $\chi^2/\text{NDF}$ : 107284.3/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 5247.104+/-1.839  $\chi^2/\text{NDF}$ :13429.0/5

5247.104+/-1.839  $\chi^2/\text{NDF}$ : 13429.0/5

# reg\_asym\_sam\_37\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 262.323+/-246.625  $\chi^2/\text{NDF}$ : 27.2/6

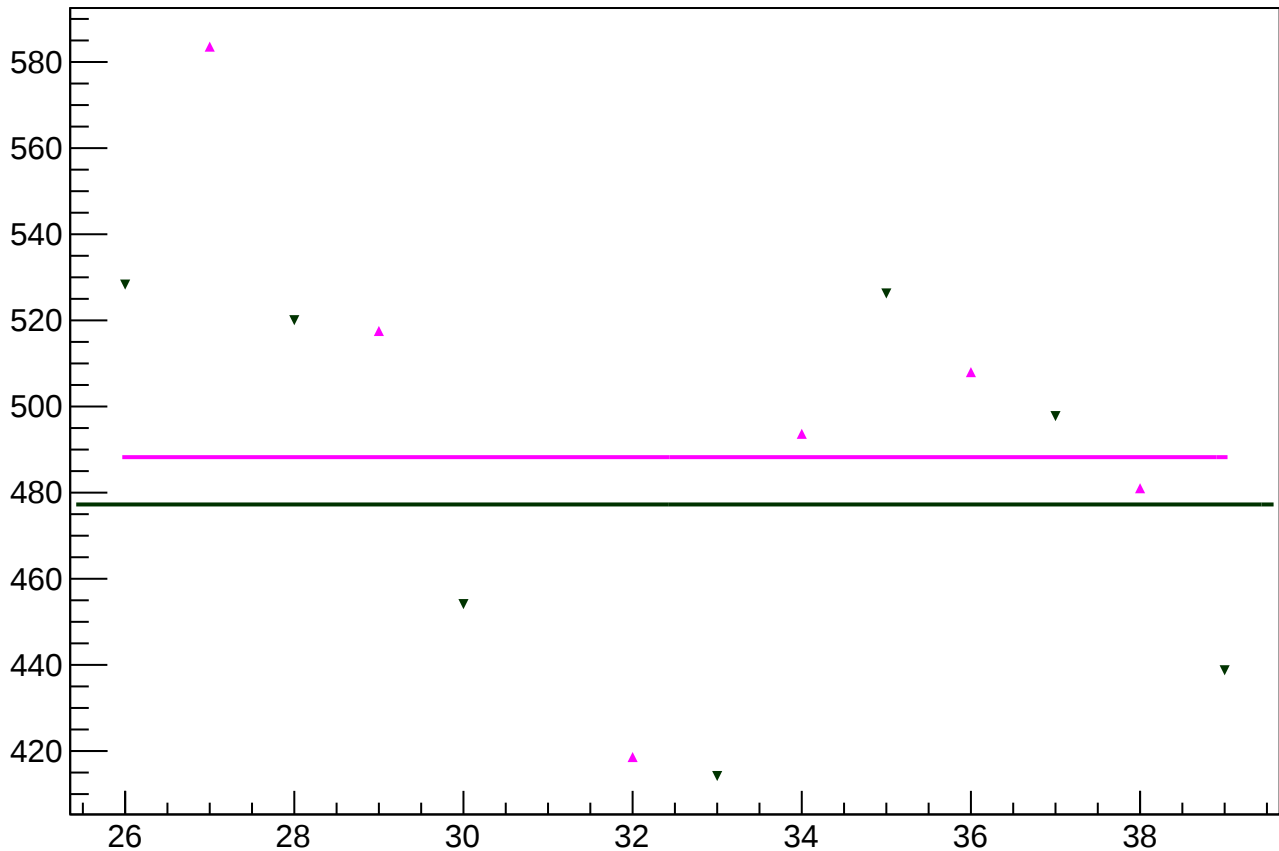
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 730.854+/-244.215  $\chi^2/\text{NDF}$ : 12.2/5

262.323+/-246.625  $\chi^2/\text{NDF}$ : 27.2/6

730.854+/-244.215  $\chi^2/\text{NDF}$ : 12.2/5

# reg\_asym\_sam\_37\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 477.254+/-0.174  $\chi^2/\text{NDF}$ : 63347.6/6

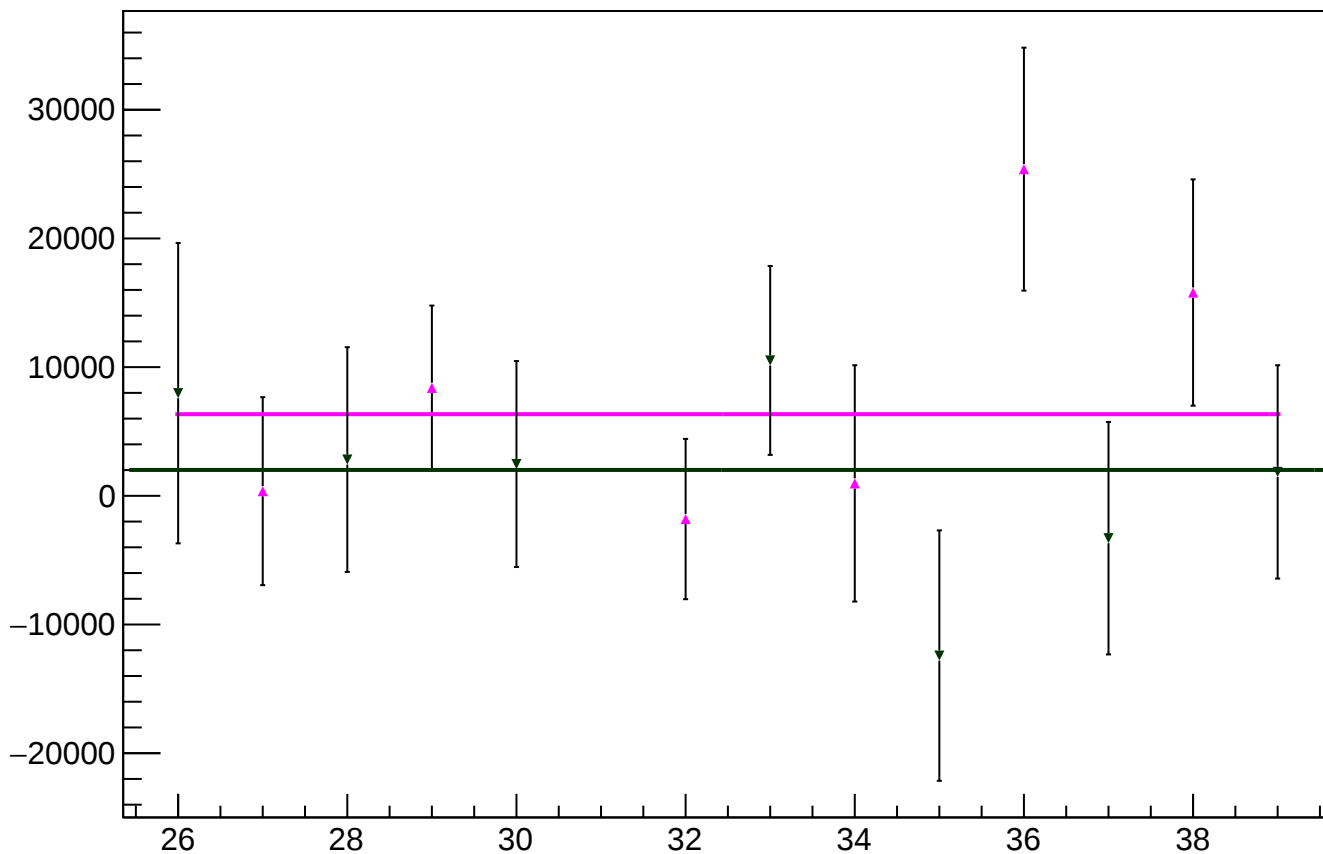
477.254+/-0.174  $\chi^2/\text{NDF}$ : 63347.6/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 488.240+/-0.173  $\chi^2/\text{NDF}$ : 101050.8/5

488.240+/-0.173  $\chi^2/\text{NDF}$ : 101050.8/5

# asym\_sam\_37\_dd\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2011.137+/-3296.643  $\chi^2/\text{NDF}$ : 4.2/6

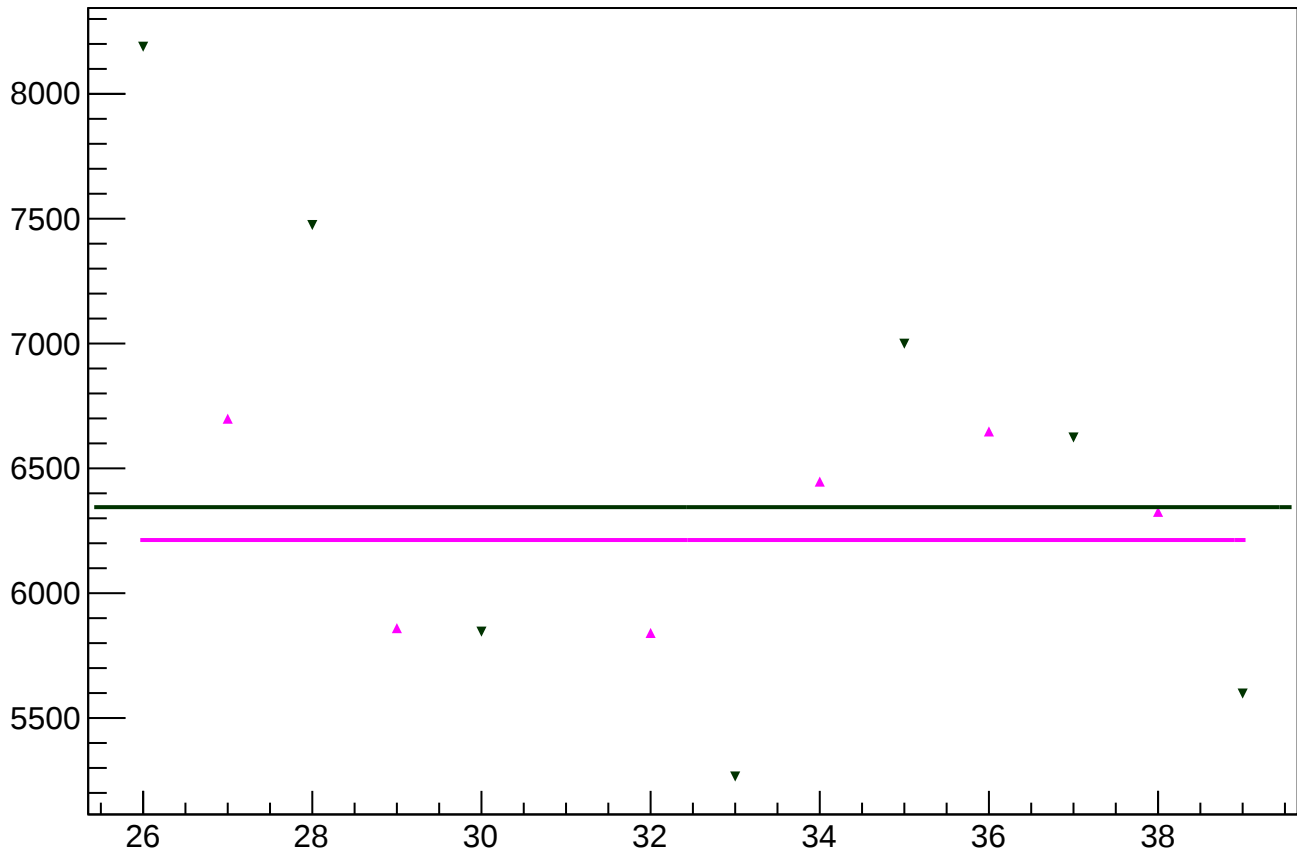
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 6343.447+/-3086.069  $\chi^2/\text{NDF}$ : 8.1/5

2011.137+/-3296.643  $\chi^2/\text{NDF}$ : 4.2/6

6343.447+/-3086.069  $\chi^2/\text{NDF}$ : 8.1/5

# asym\_sam\_37\_dd\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 6344.621+/-2.331  $\chi^2/\text{NDF}$ :161609.2/6

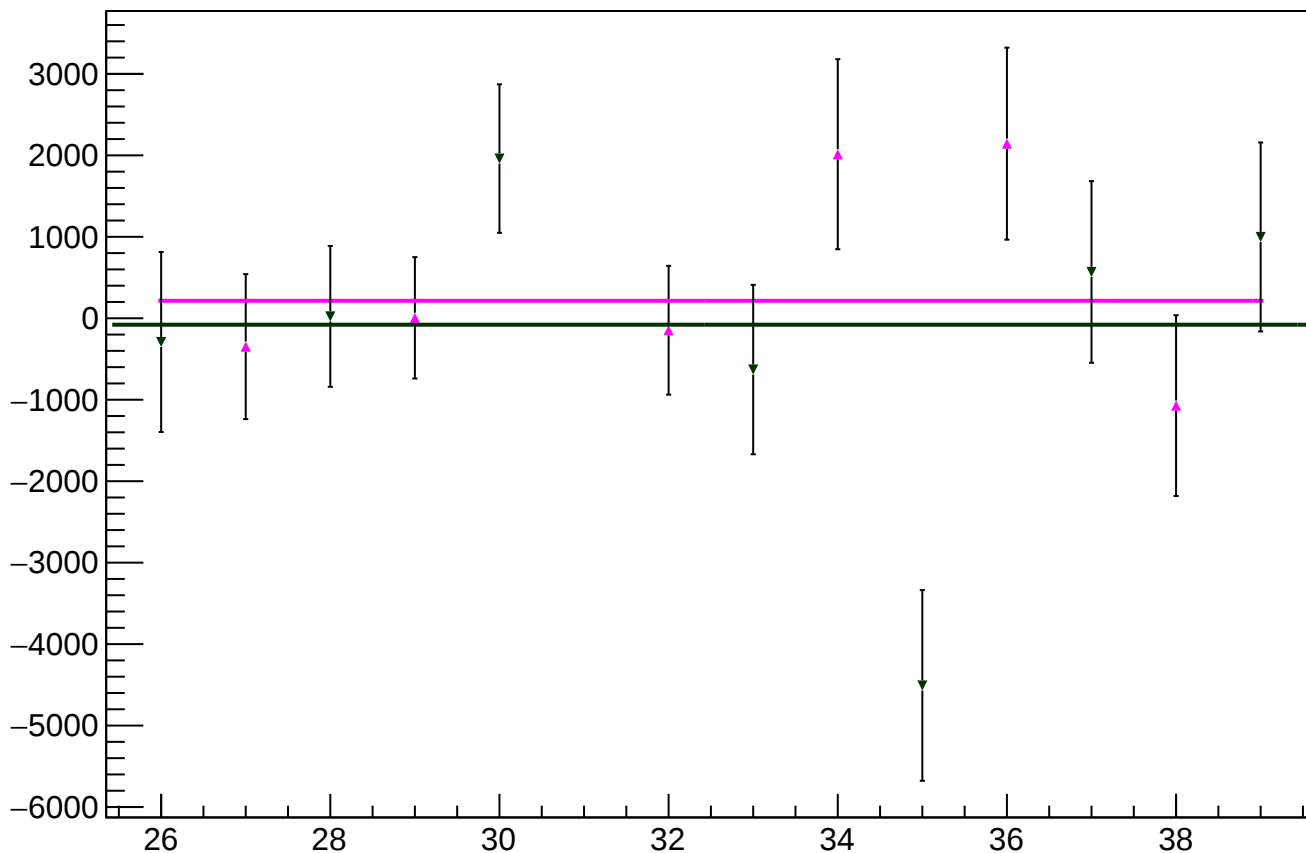
6344.621+/-2.331  $\chi^2/\text{NDF}$ : 161609.2/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6212.963+/-2.182  $\chi^2/\text{NDF}$ : 27969.0/5

Left In: 6212.963+/-2.182  $\chi^2/\text{NDF}$ :27969.0/5

# reg\_asym\_sam\_48\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -78.999+/-390.320  $\chi^2/\text{NDF}$ : 20.9/6

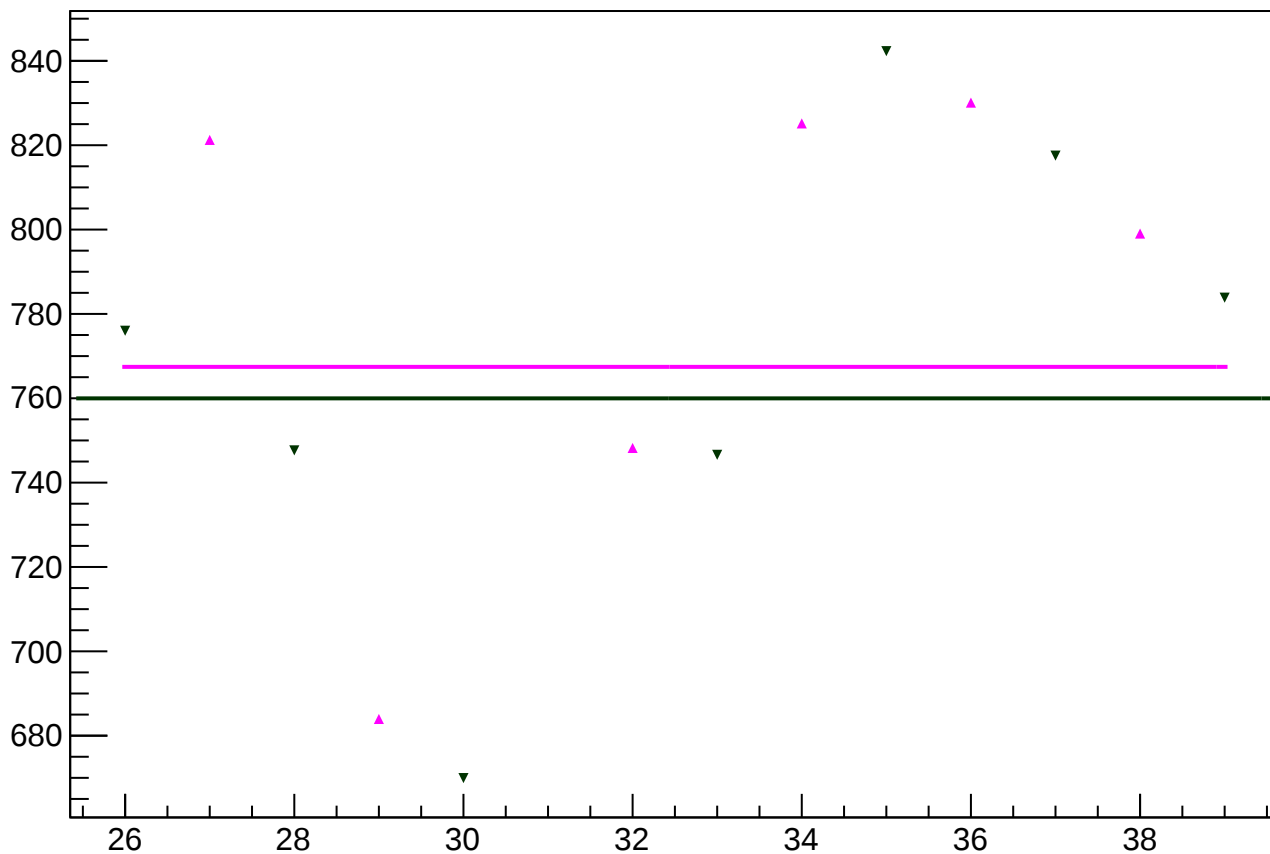
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 214.747+/-379.877  $\chi^2/\text{NDF}$ : 7.1/5

-78.999+/-390.320  $\chi^2/\text{NDF}$ : 20.9/6

214.747+/-379.877  $\chi^2/\text{NDF}$ : 7.1/5

# reg\_asym\_sam\_48\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 759.977+/-0.276  $\chi^2/\text{NDF}$ : 36748.3/6

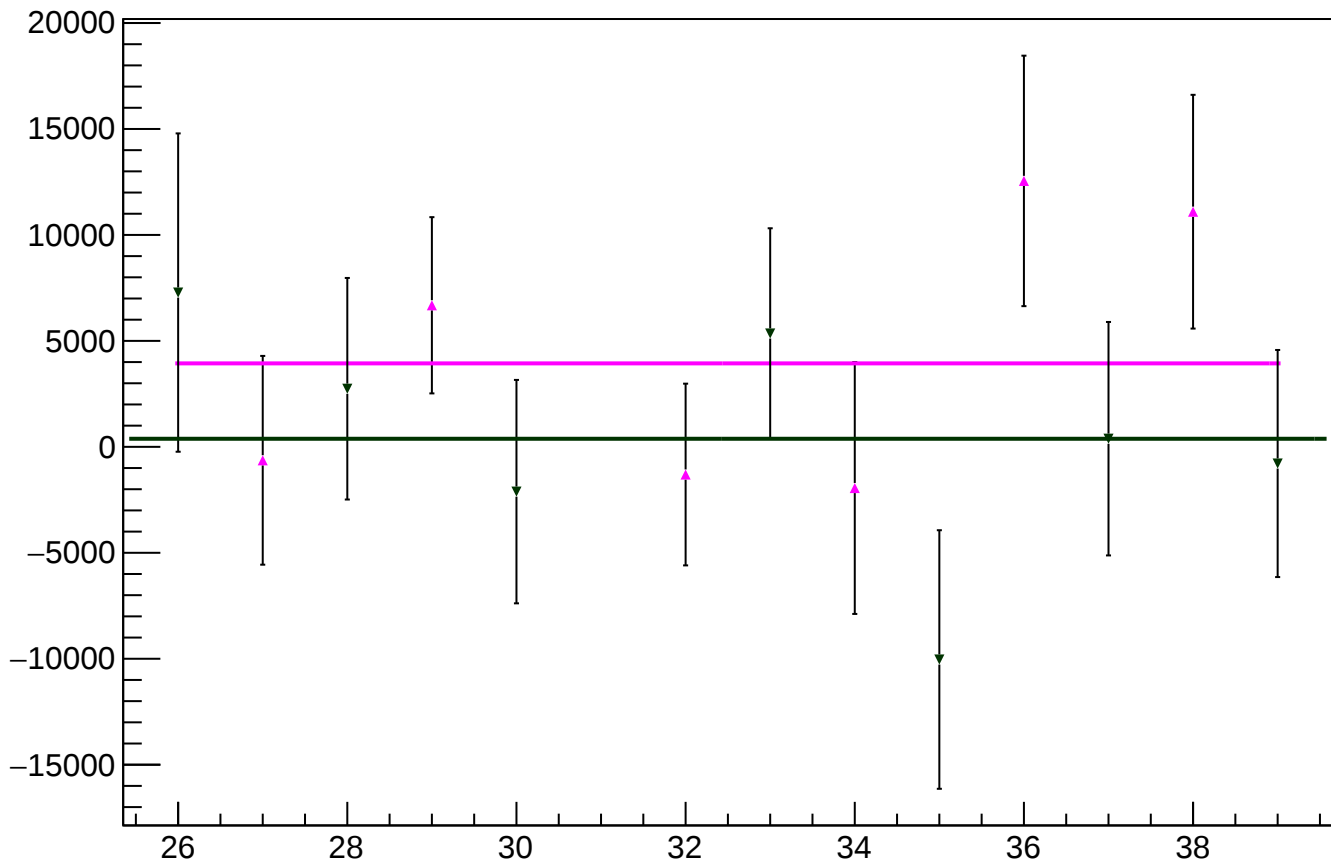
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 767.447+/-0.269  $\chi^2/\text{NDF}$ : 45773.5/5

759.977+/-0.276  $\chi^2/\text{NDF}$ : 36748.3/6

767.447+/-0.269  $\chi^2/\text{NDF}$ : 45773.5/5

# asym\_sam\_48\_dd\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 380.947+/-2105.778  $\chi^2/\text{NDF}$ : 5.2/6

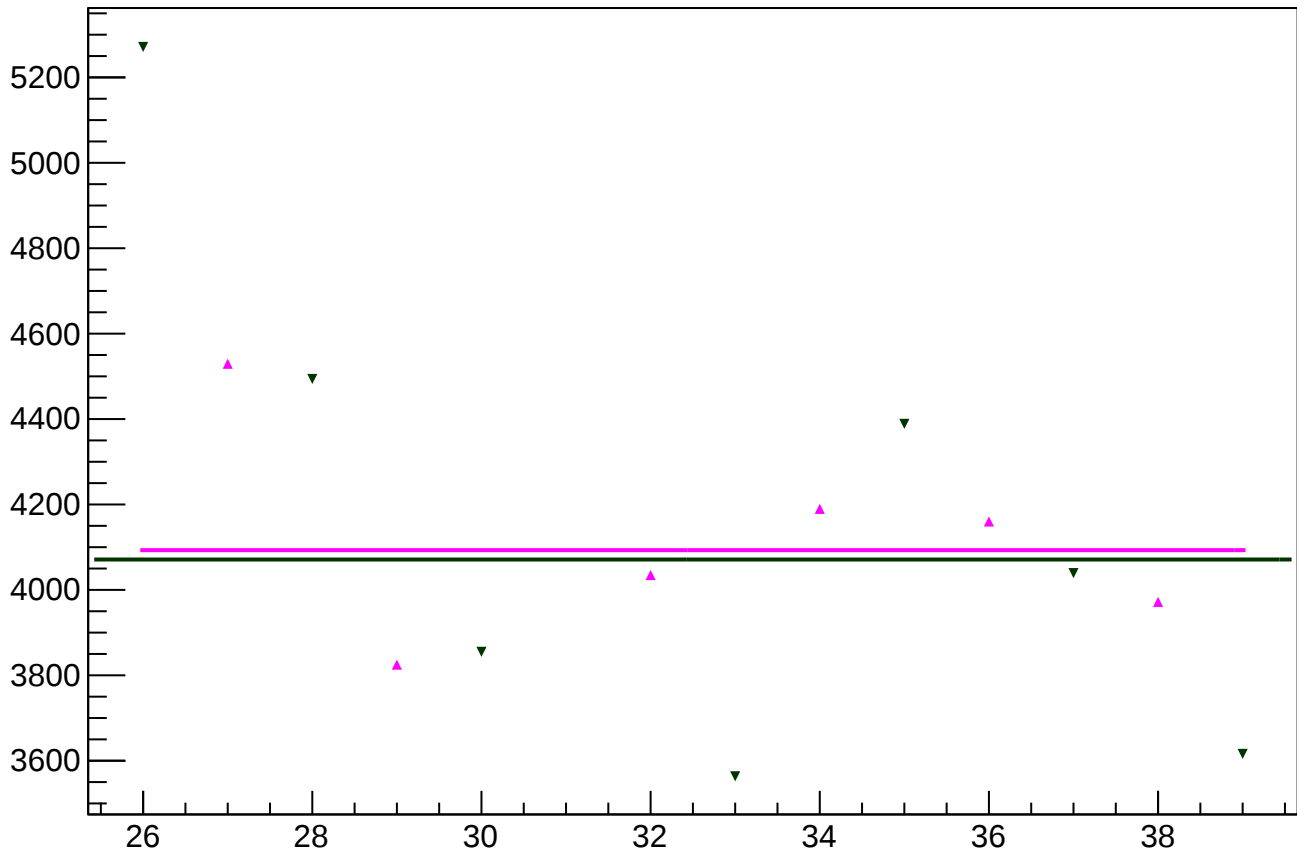
380.947+/-2105.778  $\chi^2/\text{NDF}$ : 5.2/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3938.767+/-2027.517  $\chi^2/\text{NDF}$ : 7.6/5

3938.767+/-2027.517  $\chi^2/\text{NDF}$ : 7.6/5

# asym\_sam\_48\_dd\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 4071.163+/-1.489  $\chi^2/\text{NDF}$ : 108327.5/6

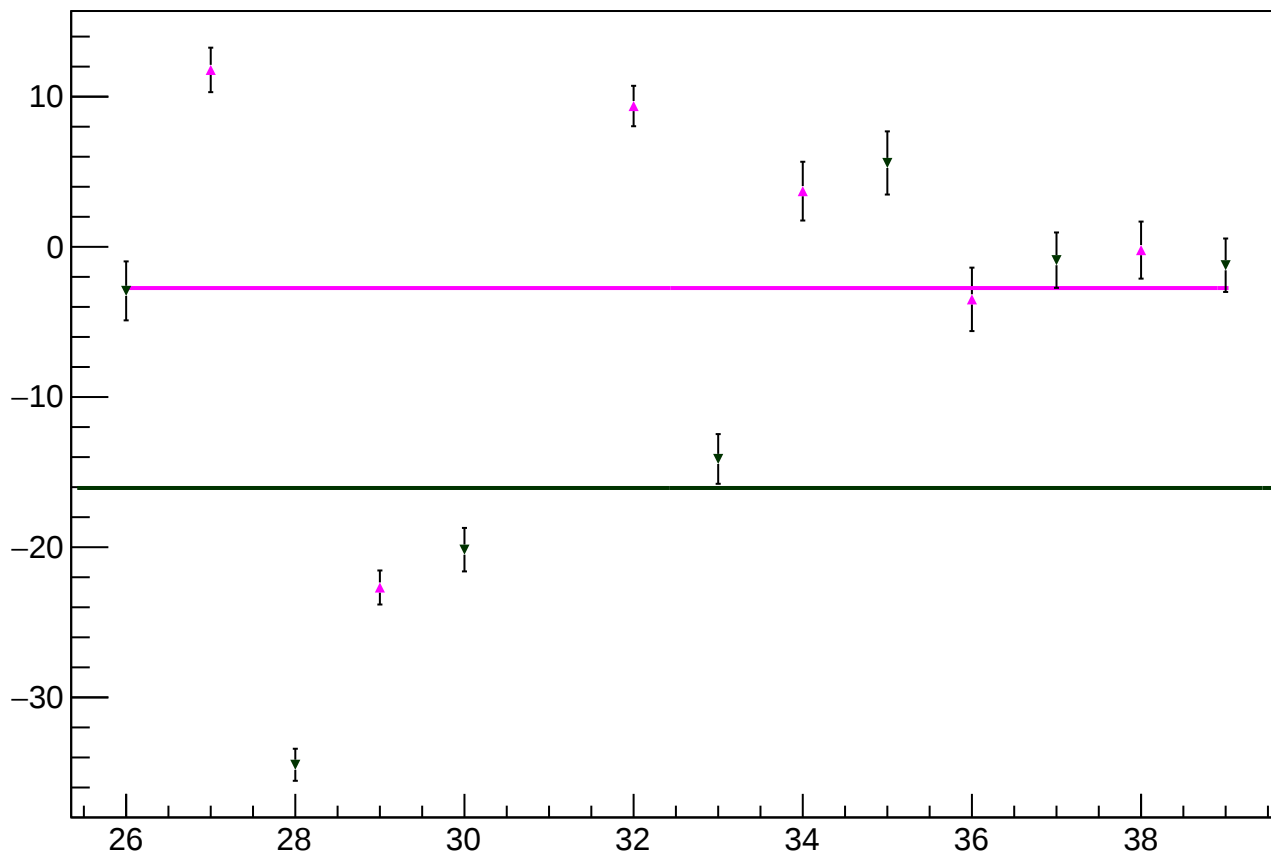
4071.163+/-1.489  $\chi^2/\text{NDF}$ : 108327.5/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

4093.043+/-1.434  $\chi^2/\text{NDF}$ : 26131.9/5

Left In: 4093.043+/-1.434  $\chi^2/\text{NDF}$ : 26131.9/5

# reg\_asym\_sam1\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -16.056+/-0.596  $\chi^2/\text{NDF}$ : 595.3/6

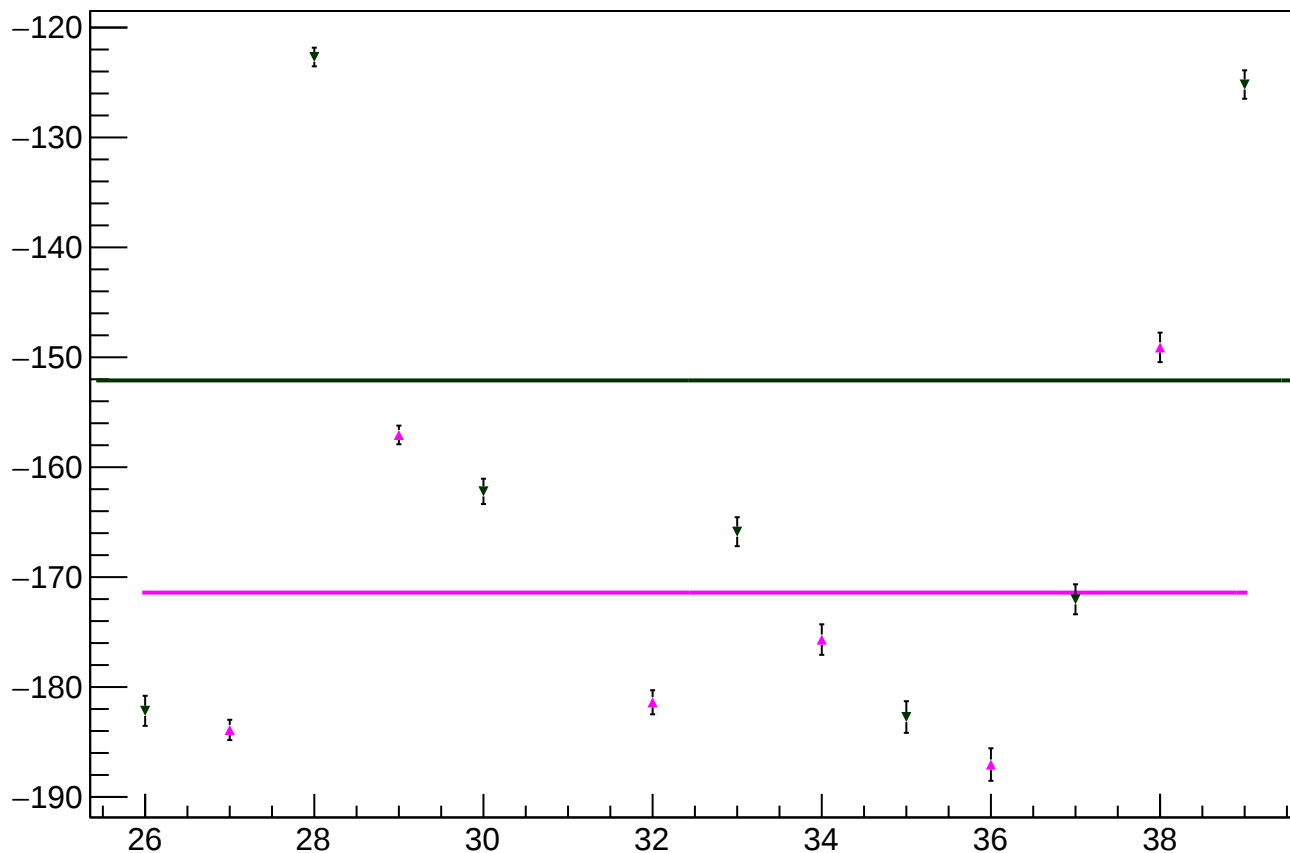
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.743+/-0.626  $\chi^2/\text{NDF}$ : 499.7/5

-16.056+/-0.596  $\chi^2/\text{NDF}$ : 595.3/6

-2.743+/-0.626  $\chi^2/\text{NDF}$ : 499.7/5

# reg\_asym\_sam1\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -152.104+/-0.453  $\chi^2/\text{NDF}$ : 2970.7/6

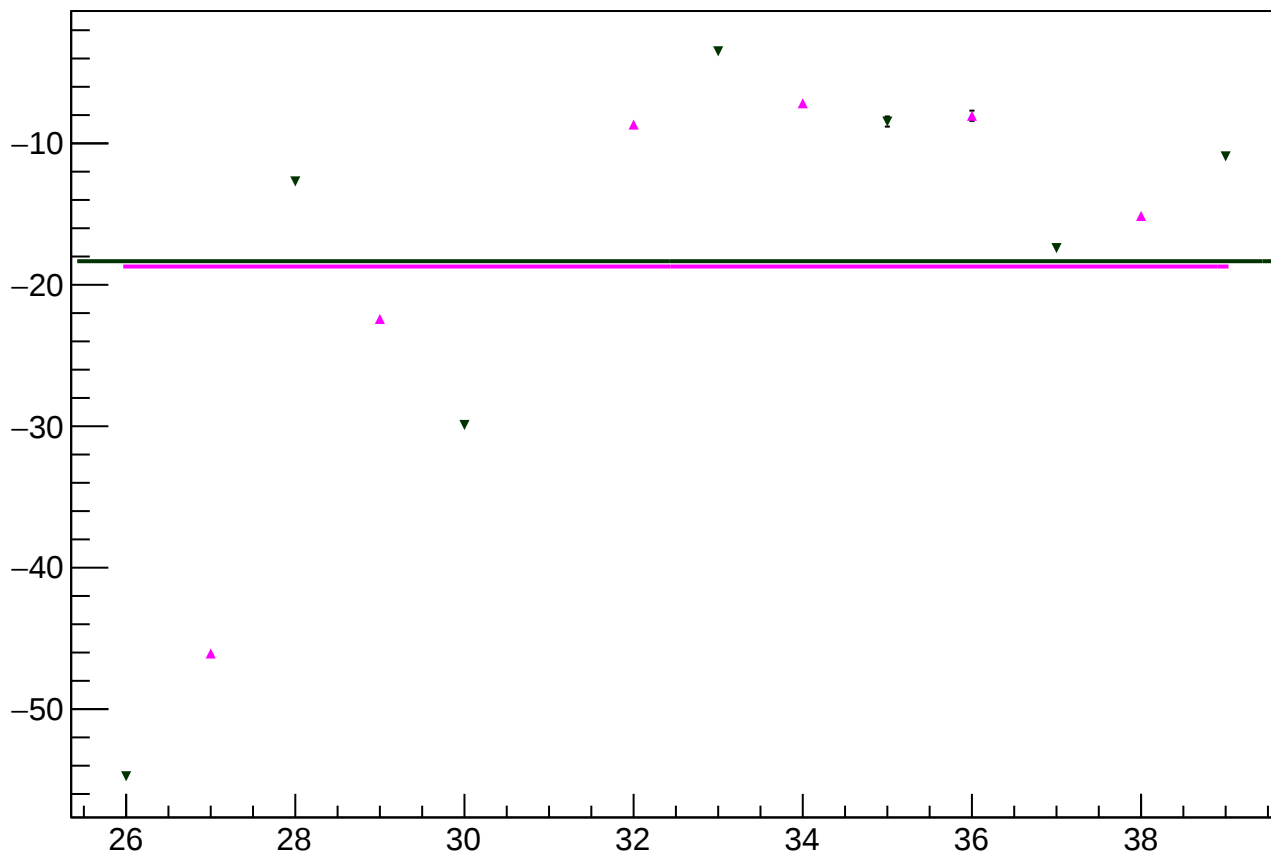
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -171.410+/-0.450  $\chi^2/\text{NDF}$ : 950.3/5

-152.104+/-0.453  $\chi^2/\text{NDF}$ : 2970.7/6

-171.410+/-0.450  $\chi^2/\text{NDF}$ : 950.3/5

reg\_asym\_sam1\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -18.331+/-0.101  $\chi^2/\text{NDF}$ : 20812.5/6

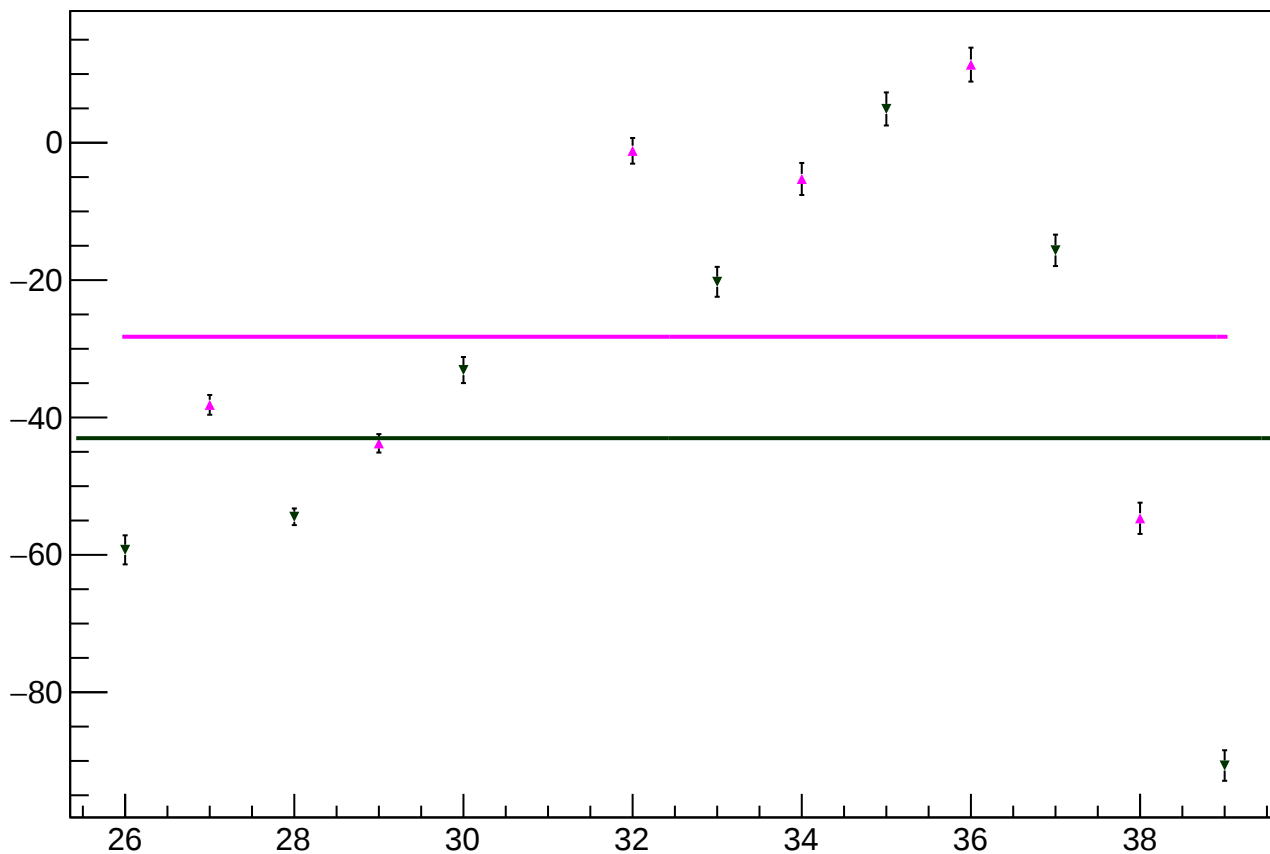
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -18.707+/-0.107  $\chi^2/\text{NDF}$ : 15941.9/5

-18.331+/-0.101  $\chi^2/\text{NDF}$ : 20812.5/6

-18.707+/-0.107  $\chi^2/\text{NDF}$ : 15941.9/5

# reg\_asym\_sam1\_diff\_bpm4eY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -43.011 $\pm$ 0.715  $\chi^2$ /NDF:1283.2/6

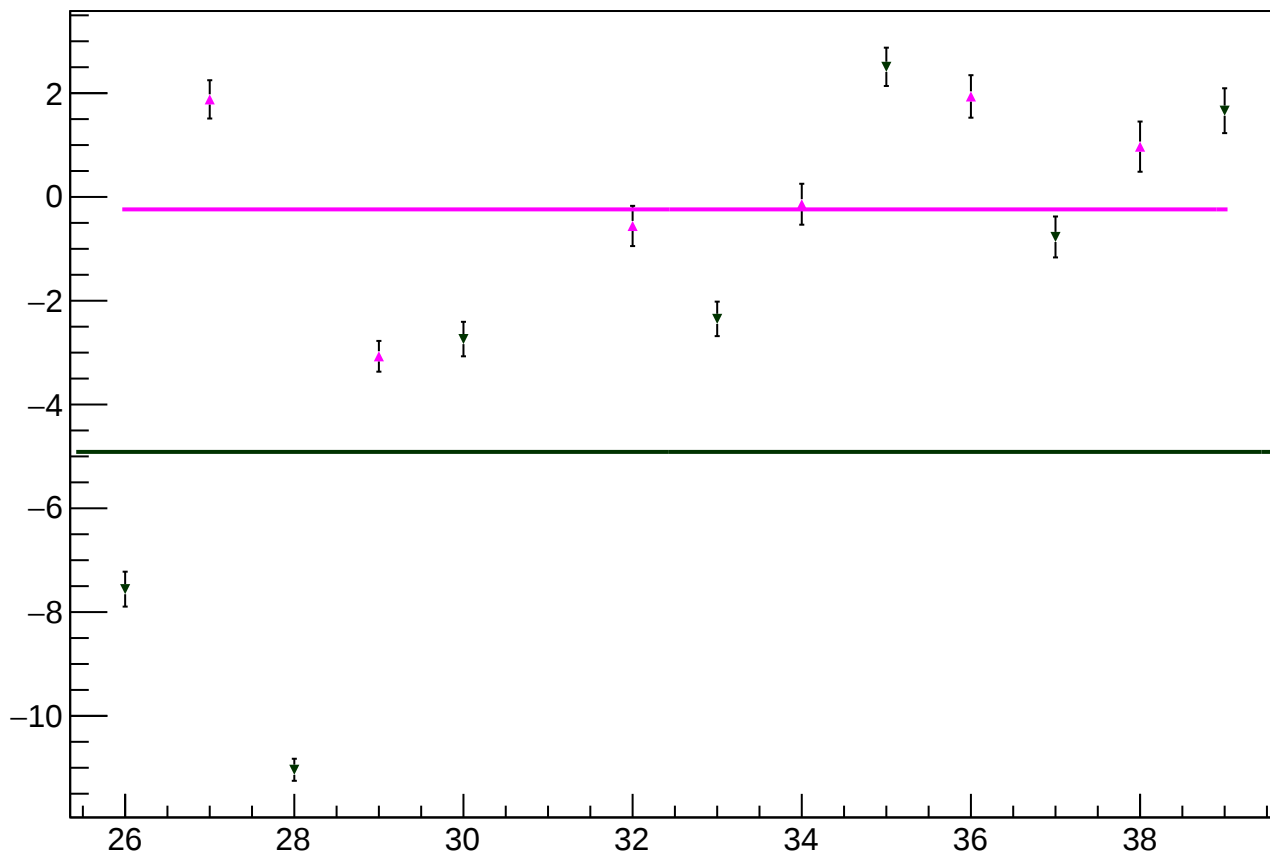
-43.011 $\pm$ 0.715  $\chi^2$ /NDF: 1283.2/6

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -28.247 $\pm$ 0.733  $\chi^2$ /NDF:879.7/5

-28.247 $\pm$ 0.733  $\chi^2$ /NDF: 879.7/5

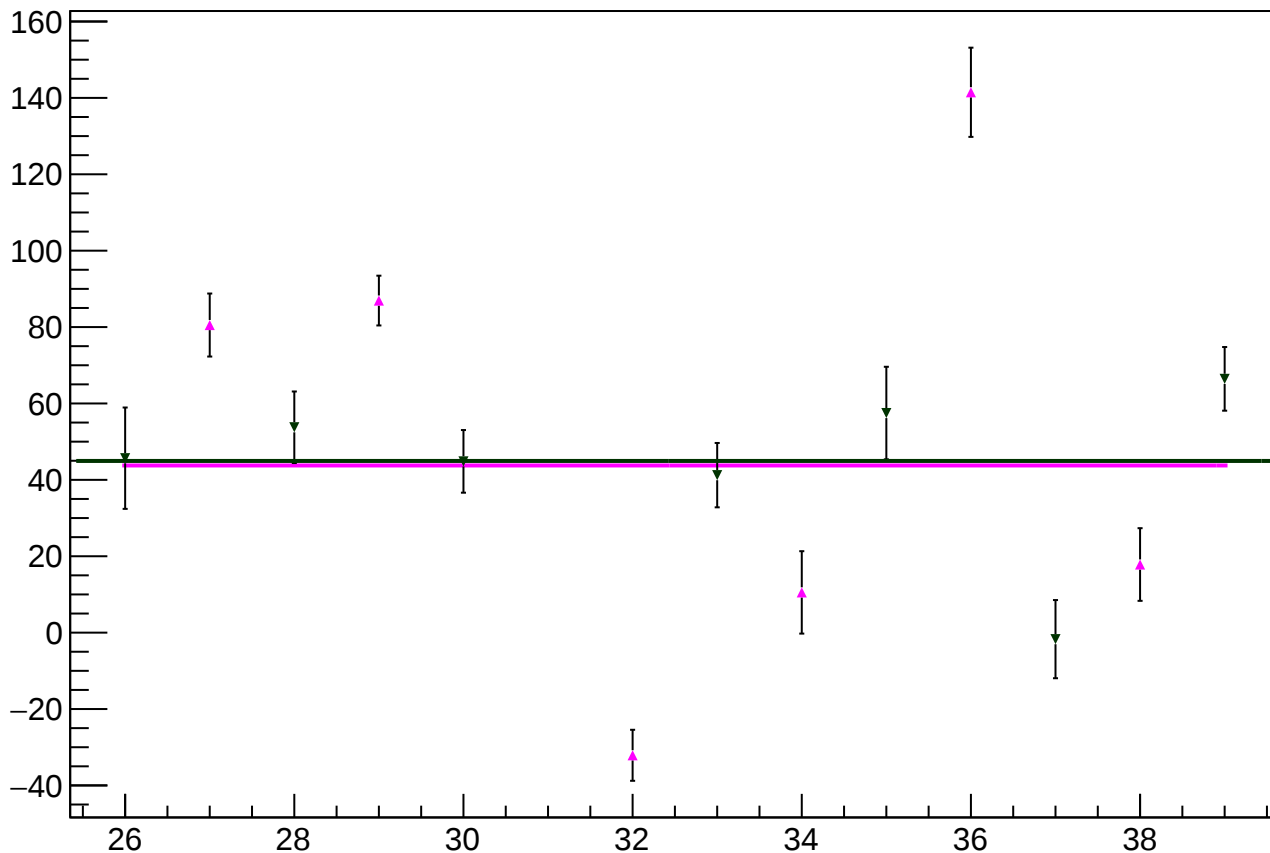
# reg\_asym\_sam1\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: -4.913+/-0.121  $\chi^2/\text{NDF}$ :1741.6/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: -0.240+/-0.154  $\chi^2/\text{NDF}$ :159.5/5

-4.913+/-0.121  $\chi^2/\text{NDF}$ : 1741.6/6  
 -0.240+/-0.154  $\chi^2/\text{NDF}$ : 159.5/5

# reg\_asym\_sam2\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 44.951+/-3.609  $\chi^2/\text{NDF}$ : 29.6/6

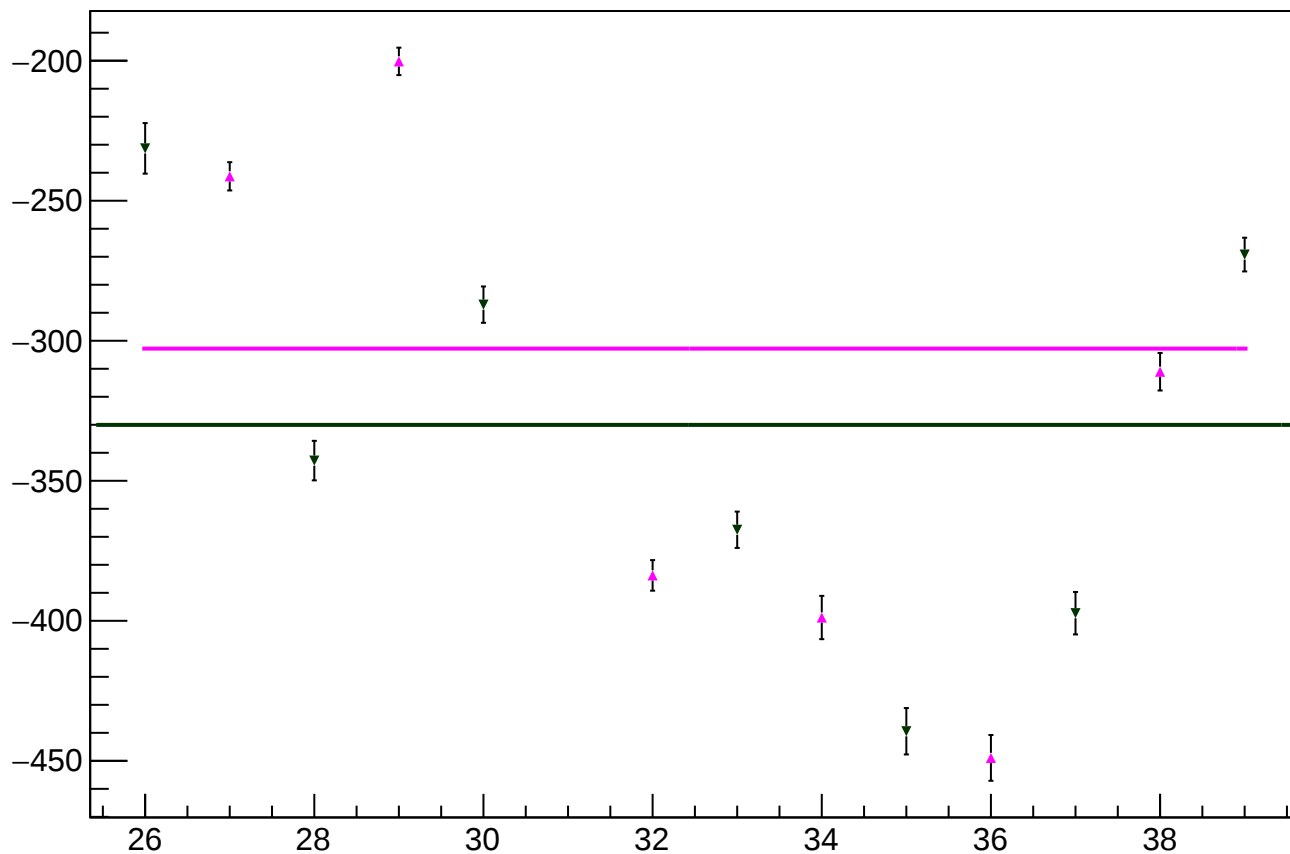
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 43.767+/-3.378  $\chi^2/\text{NDF}$ : 279.8/5

44.951+/-3.609  $\chi^2/\text{NDF}$ : 29.6/6

43.767+/-3.378  $\chi^2/\text{NDF}$ : 279.8/5

# reg\_asym\_sam2\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -330.042+/-2.678  $\chi^2/\text{NDF}$ : 555.0/6

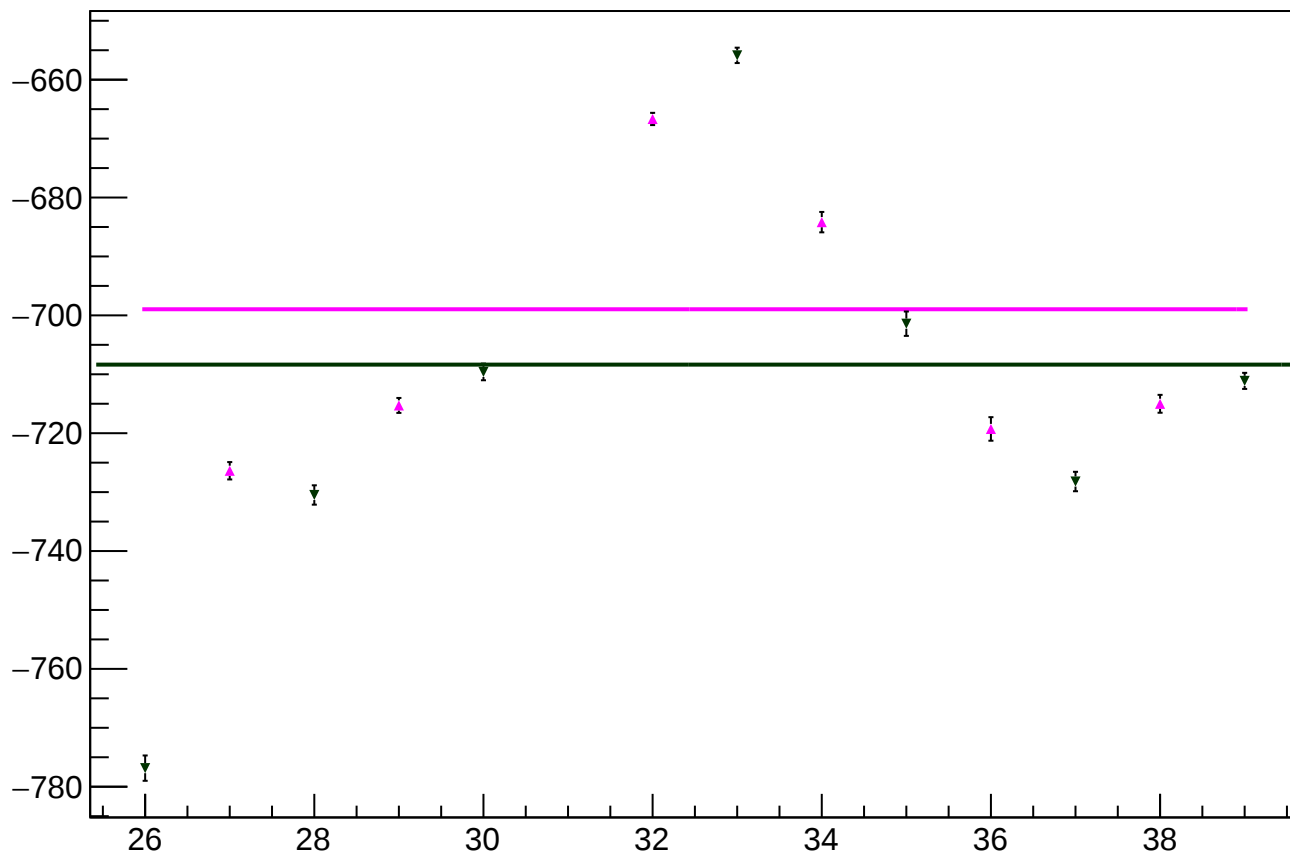
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -302.809+/-2.436  $\chi^2/\text{NDF}$ : 1283.0/5

-330.042+/-2.678  $\chi^2/\text{NDF}$ : 555.0/6

-302.809+/-2.436  $\chi^2/\text{NDF}$ : 1283.0/5

# reg\_asym\_sam2\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -708.359+/-0.596  $\chi^2/\text{NDF}$ : 2974.6/6

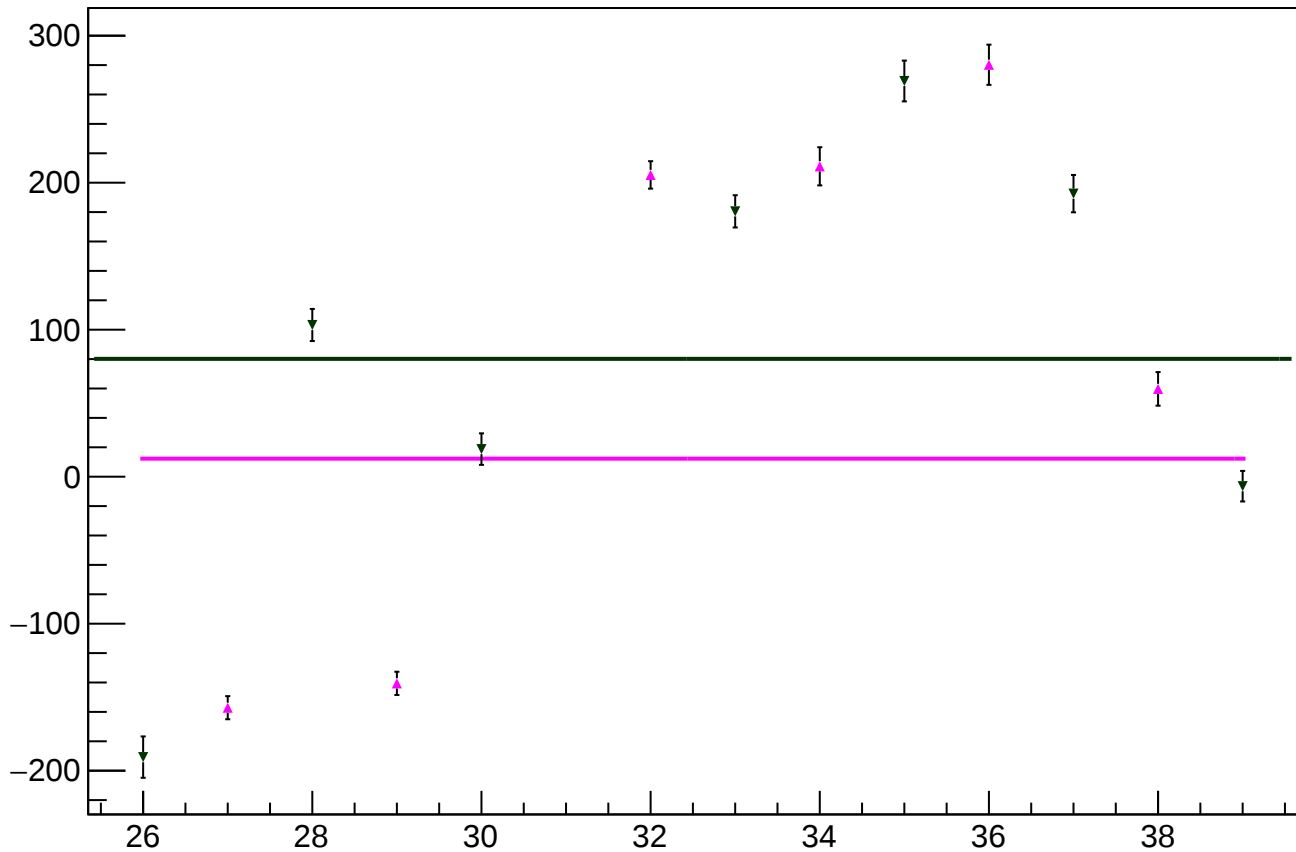
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -698.963+/-0.575  $\chi^2/\text{NDF}$ : 1764.5/5

-708.359+/-0.596  $\chi^2/\text{NDF}$ : 2974.6/6

-698.963+/-0.575  $\chi^2/\text{NDF}$ : 1764.5/5

# reg\_asym\_sam2\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 80.165+/-4.424  $\chi^2/\text{NDF}$ :824.9/6

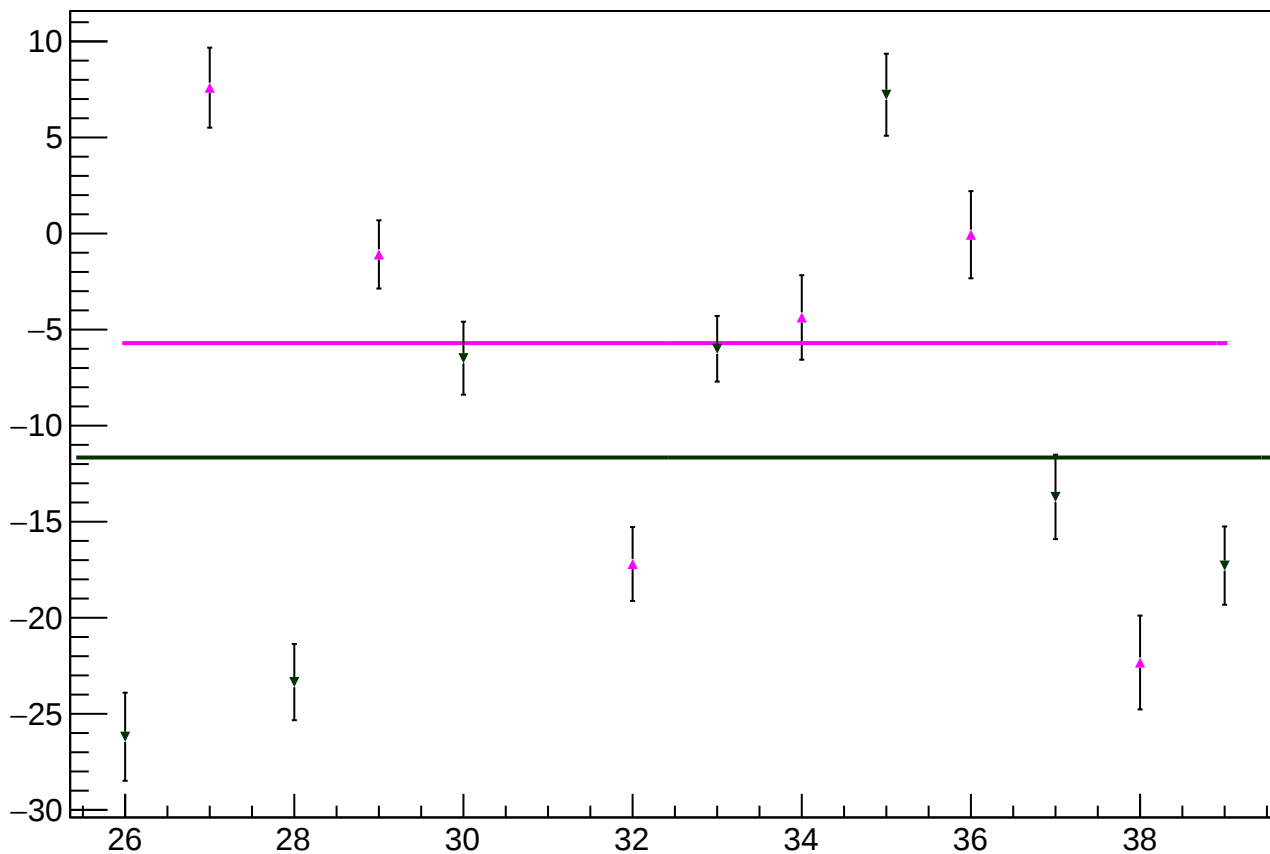
80.165+/-4.424  $\chi^2/\text{NDF}$ : 824.9/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

12.267+/-3.997  $\chi^2/\text{NDF}$ : 1902.0/5

Left In: 12.267+/-3.997  $\chi^2/\text{NDF}$ :1902.0/5

# reg\_asym\_sam2\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -11.658+/-0.760  $\chi^2/\text{NDF}$ : 180.0/6

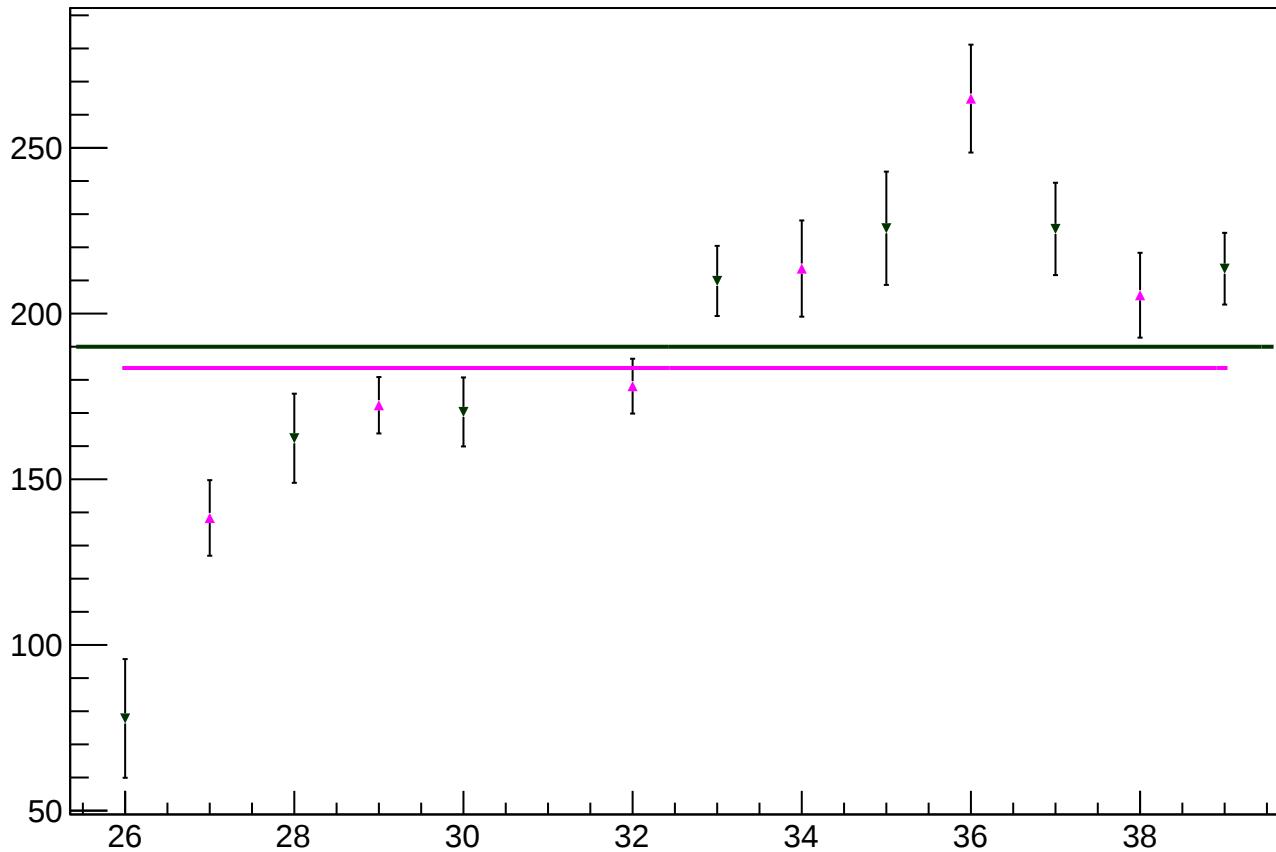
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -5.703+/-0.849  $\chi^2/\text{NDF}$ : 136.2/5

-11.658+/-0.760  $\chi^2/\text{NDF}$ : 180.0/6

-5.703+/-0.849  $\chi^2/\text{NDF}$ : 136.2/5

# reg\_asym\_sam3\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 189.992+/-4.772  $\chi^2/\text{NDF}$ : 66.1/6

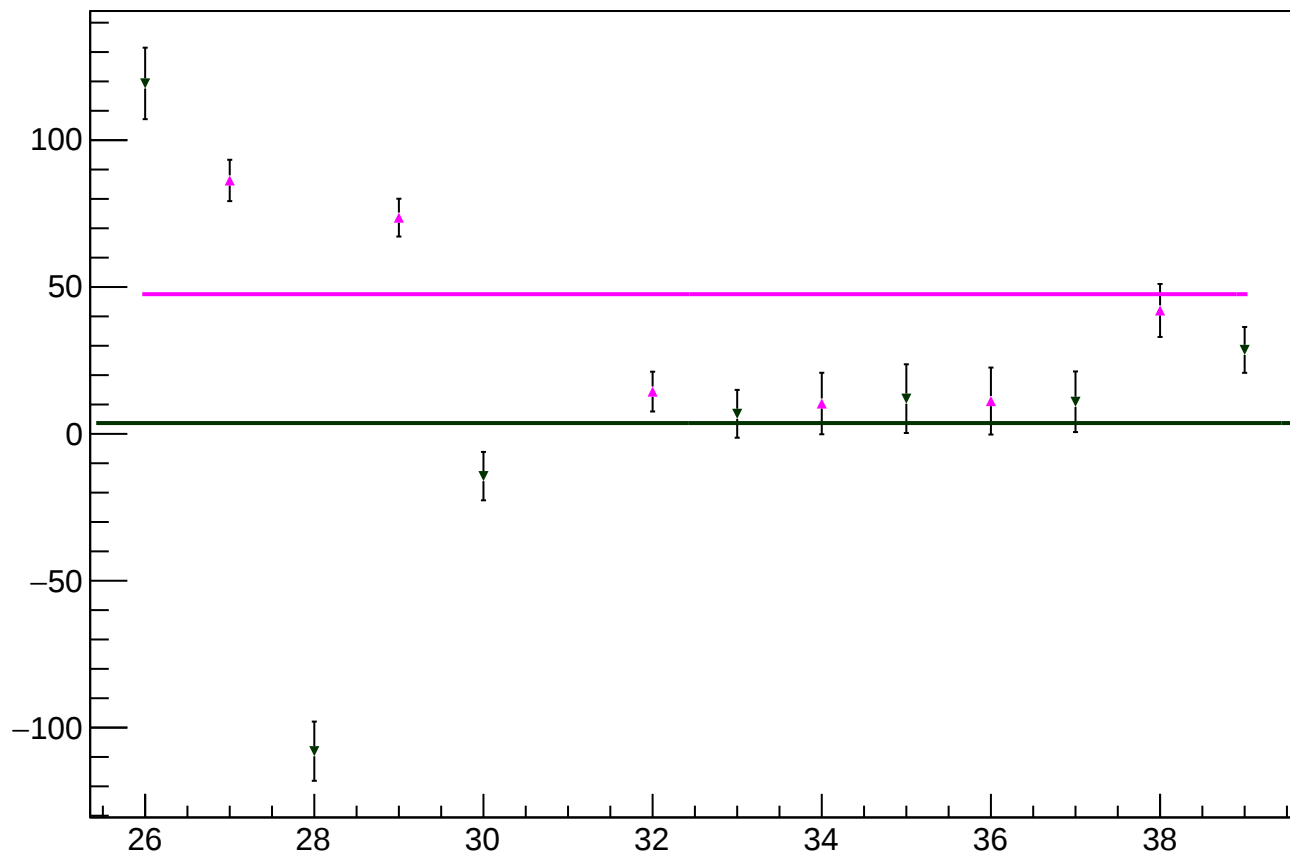
189.992+/-4.772  $\chi^2/\text{NDF}$ : 66.1/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

183.581+/-4.440  $\chi^2/\text{NDF}$ : 50.1/5

Left In: 183.581+/-4.440  $\chi^2/\text{NDF}$ : 50.1/5

# reg\_asym\_sam3\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 3.688+/-3.547  $\chi^2/\text{NDF}$ :229.2/6

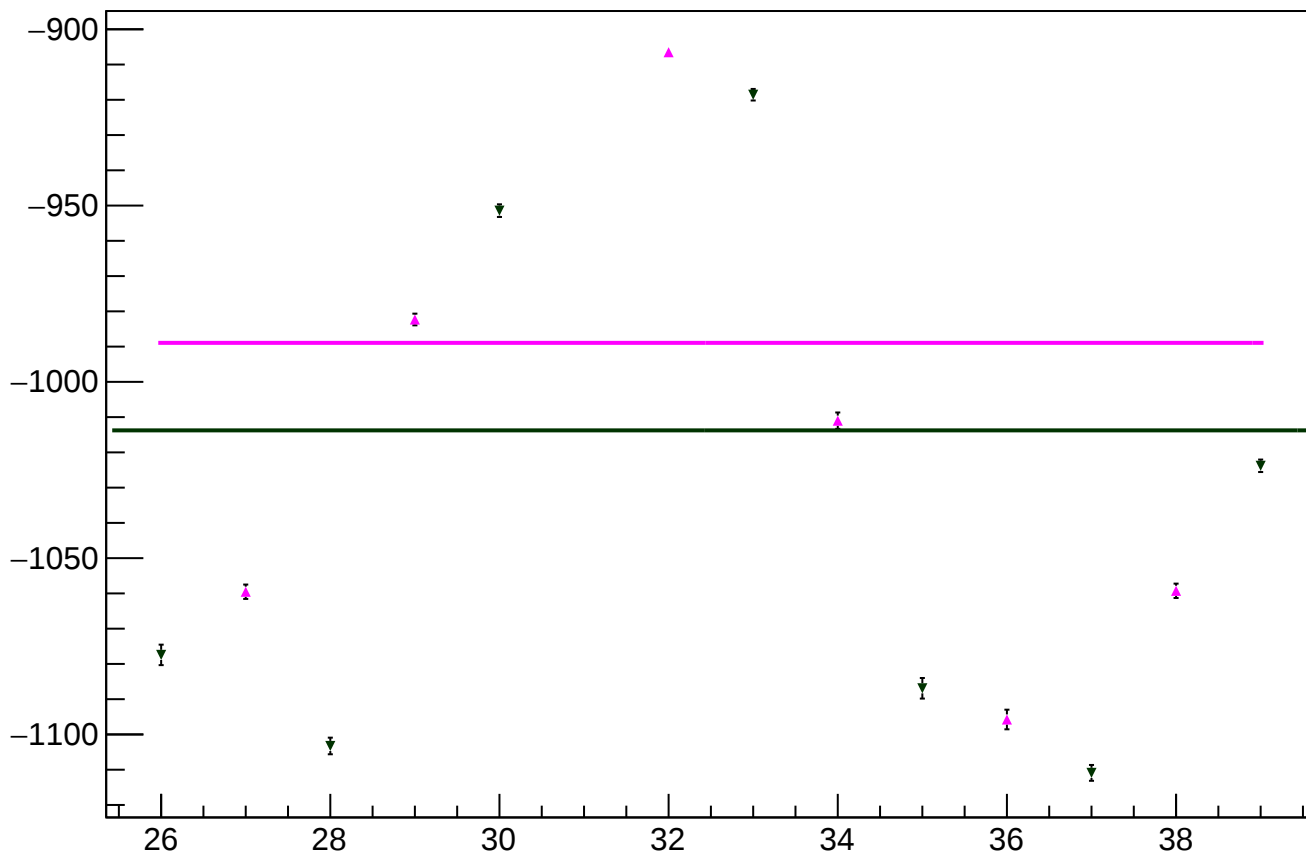
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 47.562+/-3.241  $\chi^2/\text{NDF}$ :93.8/5

3.688+/-3.547  $\chi^2/\text{NDF}$ : 229.2/6

47.562+/-3.241  $\chi^2/\text{NDF}$ : 93.8/5

# reg\_asym\_sam3\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -1013.758+/-0.787  $\chi^2/\text{NDF}$ : 9030.1/6

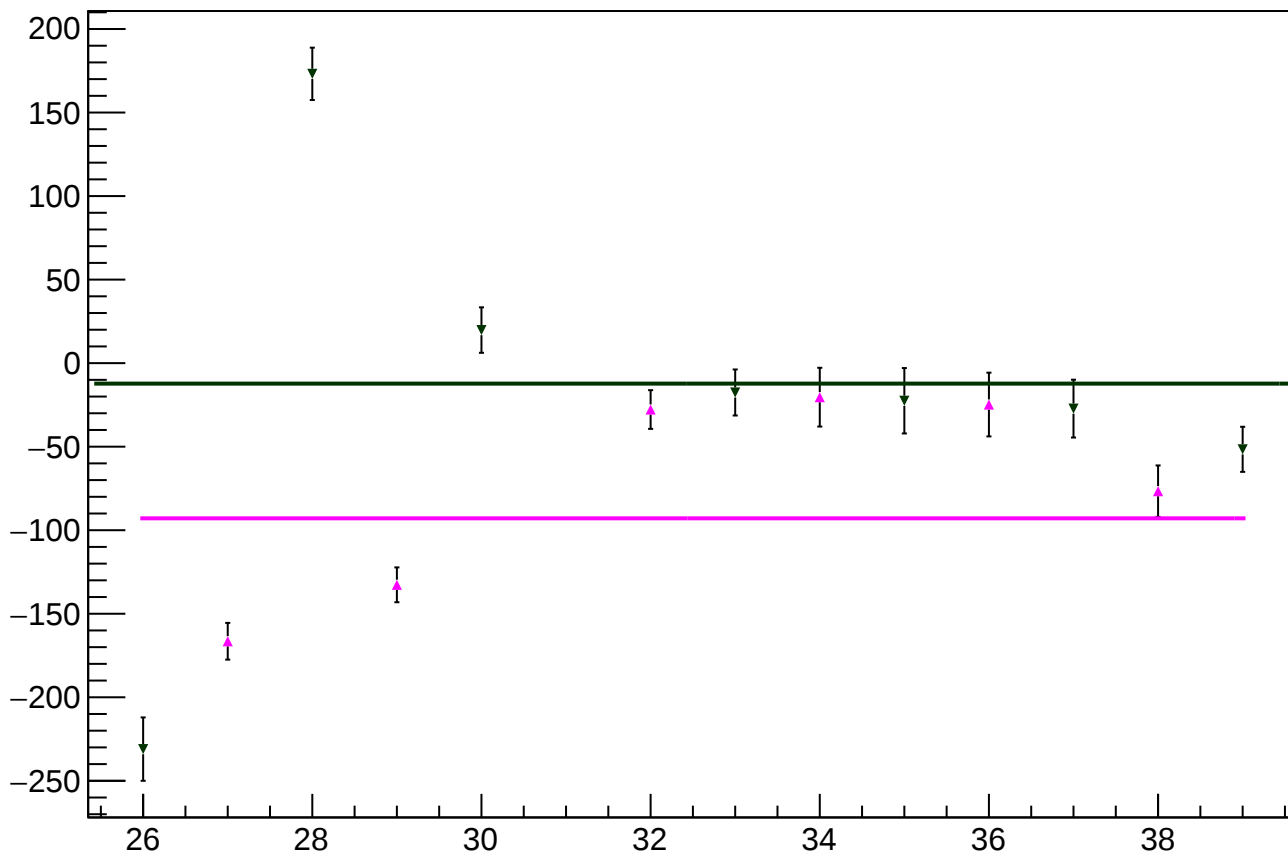
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -988.936+/-0.754  $\chi^2/\text{NDF}$ : 8037.0/5

-1013.758+/-0.787  $\chi^2/\text{NDF}$ : 9030.1/6

-988.936+/-0.754  $\chi^2/\text{NDF}$ : 8037.0/5

# reg\_asym\_sam3\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -12.256+/-5.876  $\chi^2/\text{NDF}$ : 288.4/6

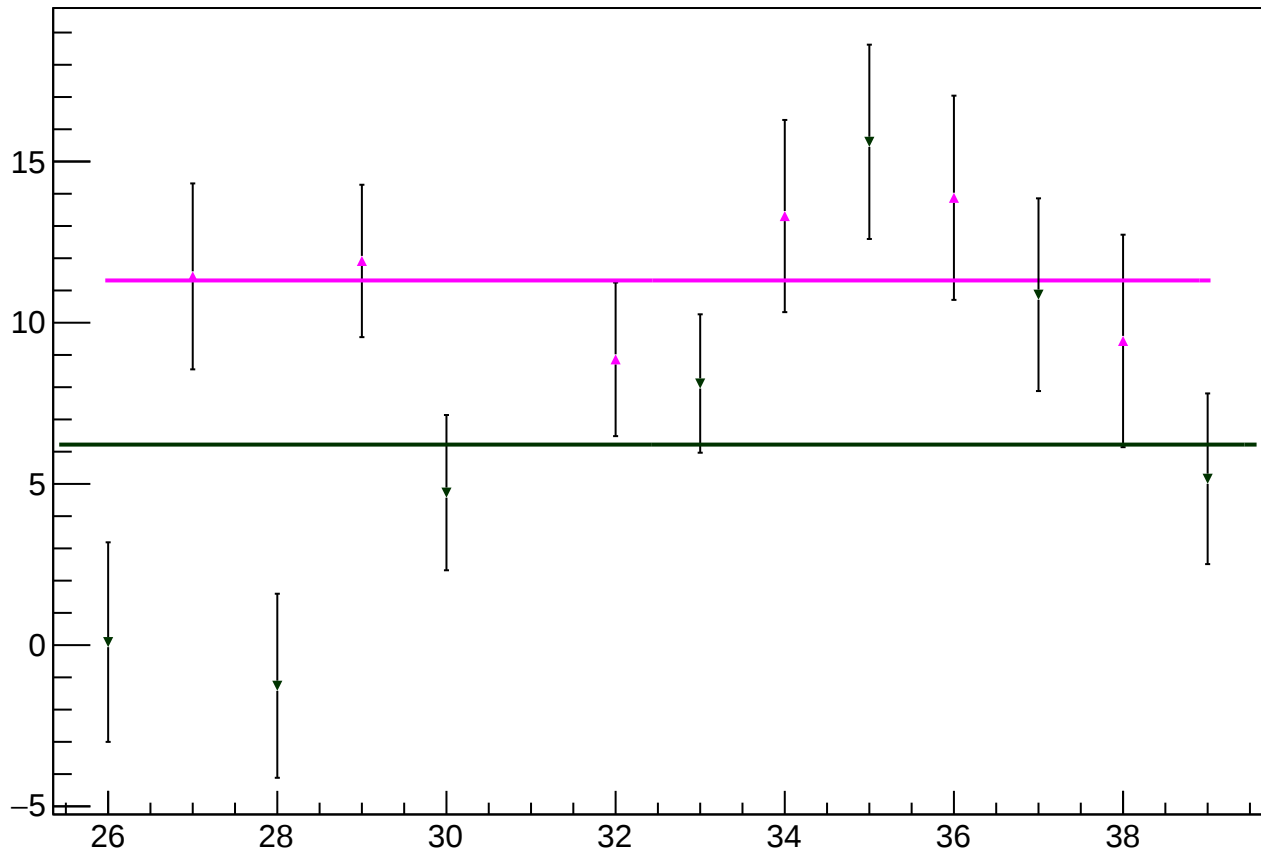
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -92.890+/-5.337  $\chi^2/\text{NDF}$ : 121.8/5

-12.256+/-5.876  $\chi^2/\text{NDF}$ : 288.4/6

-92.890+/-5.337  $\chi^2/\text{NDF}$ : 121.8/5

# reg\_asym\_sam3\_diff\_bpm11X\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 6.220 $\pm$ 1.009  $\chi^2$ /NDF: 24.2/6

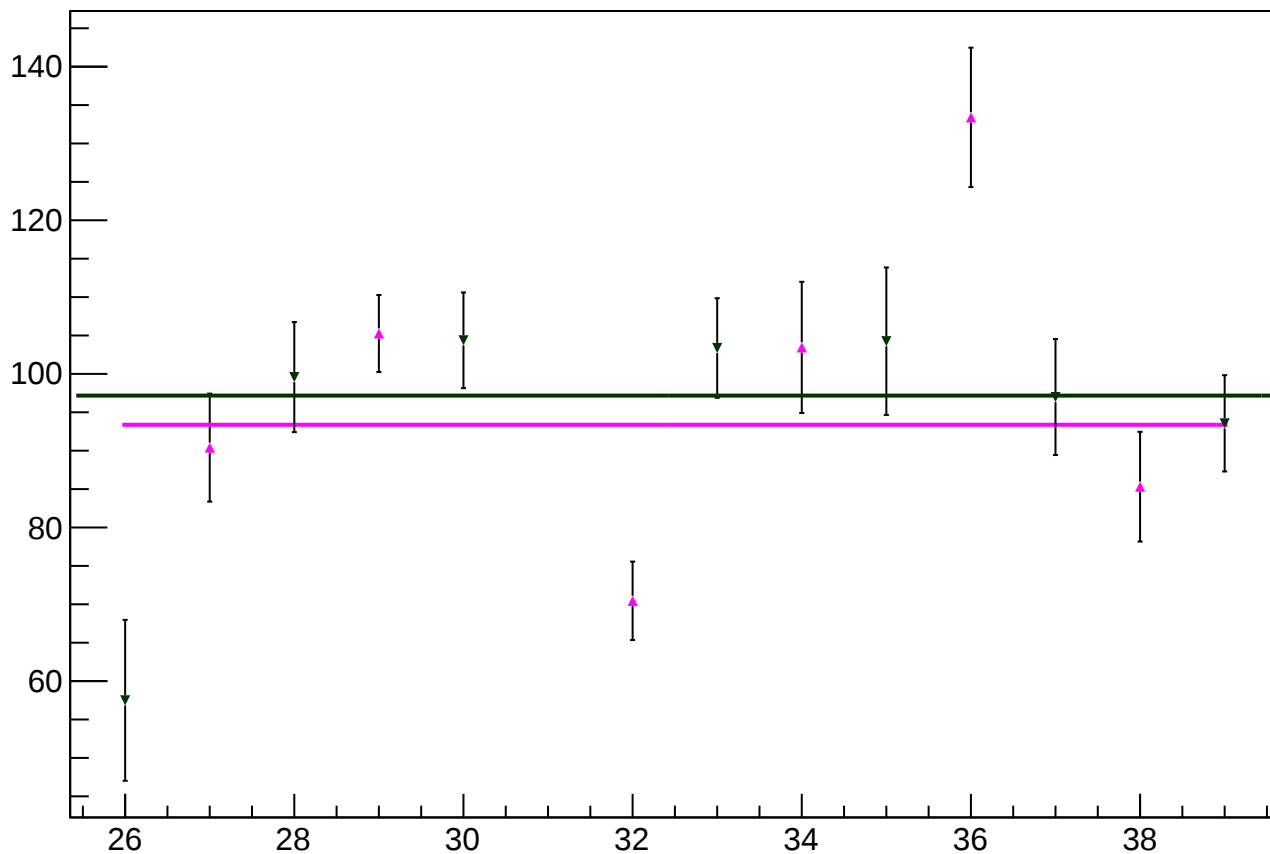
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 11.311 $\pm$ 1.132  $\chi^2$ /NDF: 2.6/5

6.220 $\pm$ 1.009  $\chi^2$ /NDF: 24.2/6

11.311 $\pm$ 1.132  $\chi^2$ /NDF: 2.6/5

# reg\_asym\_sam4\_diff\_bpm4aX\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 97.174 $\pm$ 2.753  $\chi^2$ /NDF:17.6/6

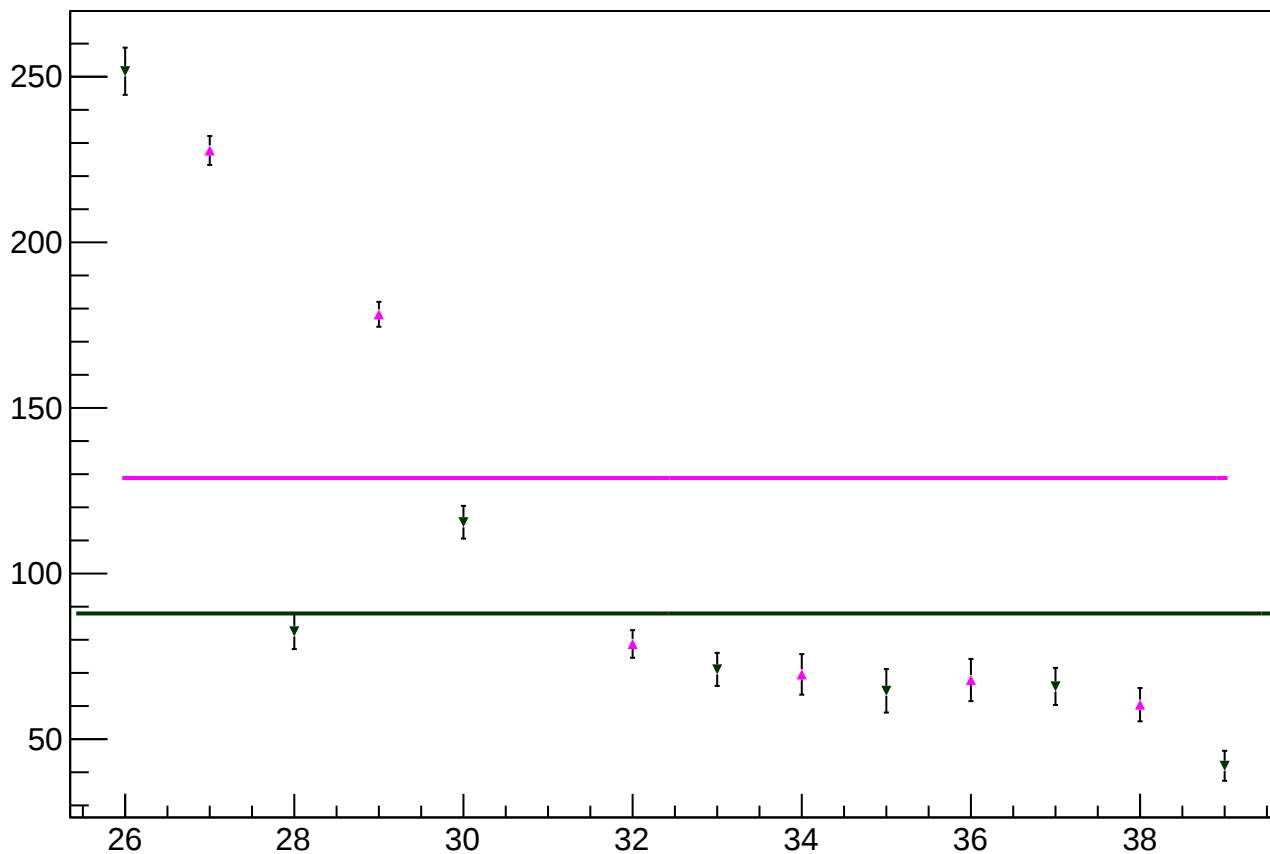
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 93.377 $\pm$ 2.637  $\chi^2$ /NDF:48.1/5

97.174 $\pm$ 2.753  $\chi^2$ /NDF: 17.6/6

93.377 $\pm$ 2.637  $\chi^2$ /NDF: 48.1/5

# reg\_asym\_sam4\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 87.949+/-2.042  $\chi^2/\text{NDF}$ : 703.6/6

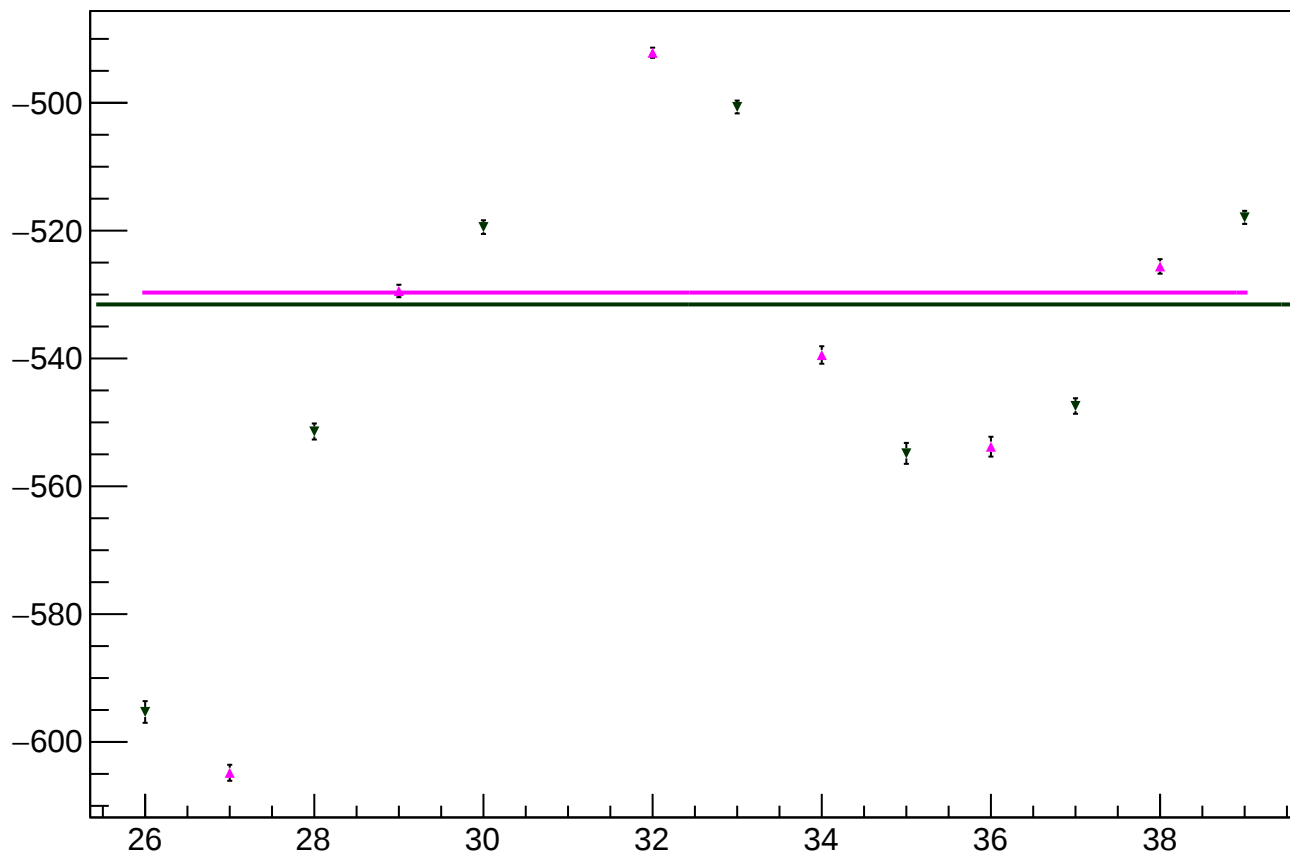
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 128.848+/-1.921  $\chi^2/\text{NDF}$ : 1197.3/5

87.949+/-2.042  $\chi^2/\text{NDF}$ : 703.6/6

128.848+/-1.921  $\chi^2/\text{NDF}$ : 1197.3/5

# reg\_asym\_sam4\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -531.548+/-0.454  $\chi^2/\text{NDF}$ : 3284.3/6

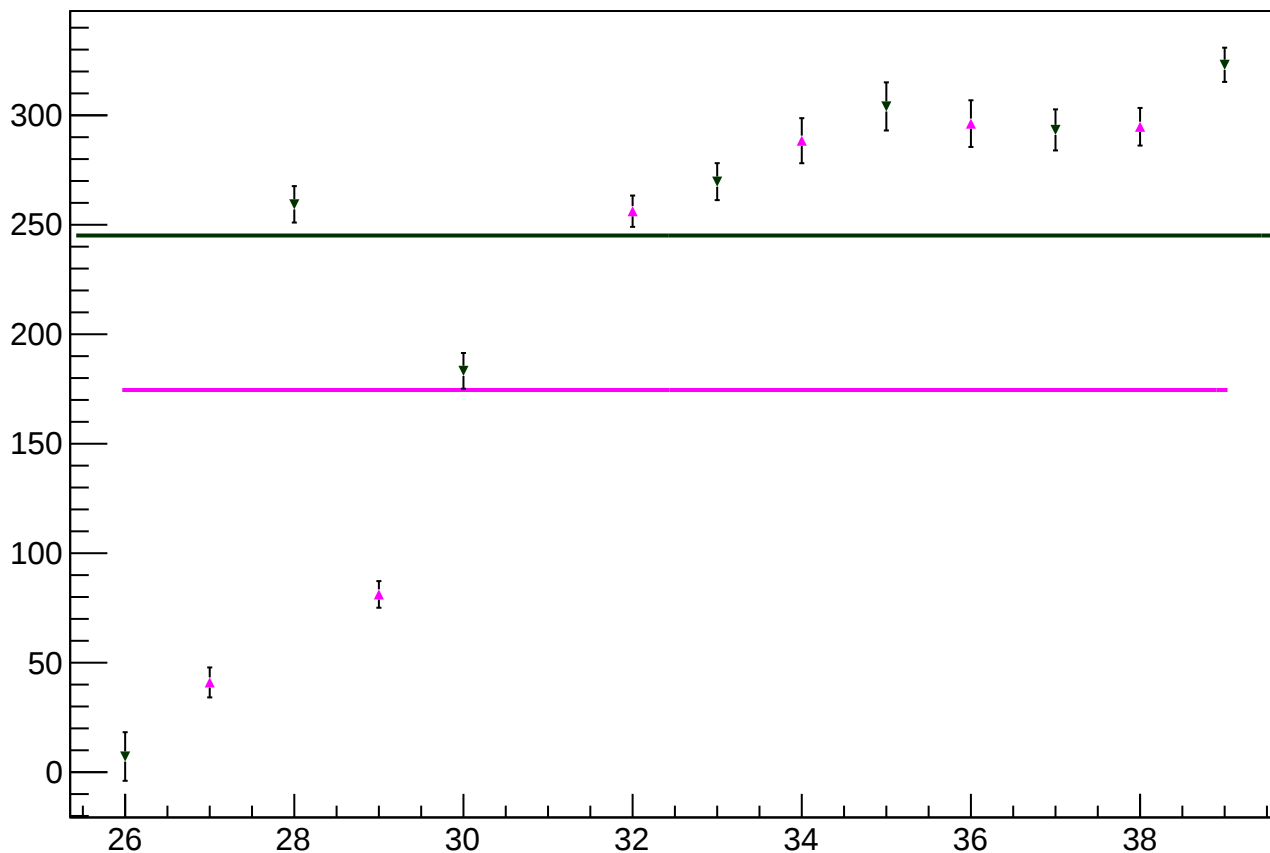
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -529.691+/-0.448  $\chi^2/\text{NDF}$ : 6127.4/5

-531.548+/-0.454  $\chi^2/\text{NDF}$ : 3284.3/6

-529.691+/-0.448  $\chi^2/\text{NDF}$ : 6127.4/5

# reg\_asym\_sam4\_diff\_bpm4eY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 245.100 $\pm$ 3.378  $\chi^2$ /NDF:683.4/6

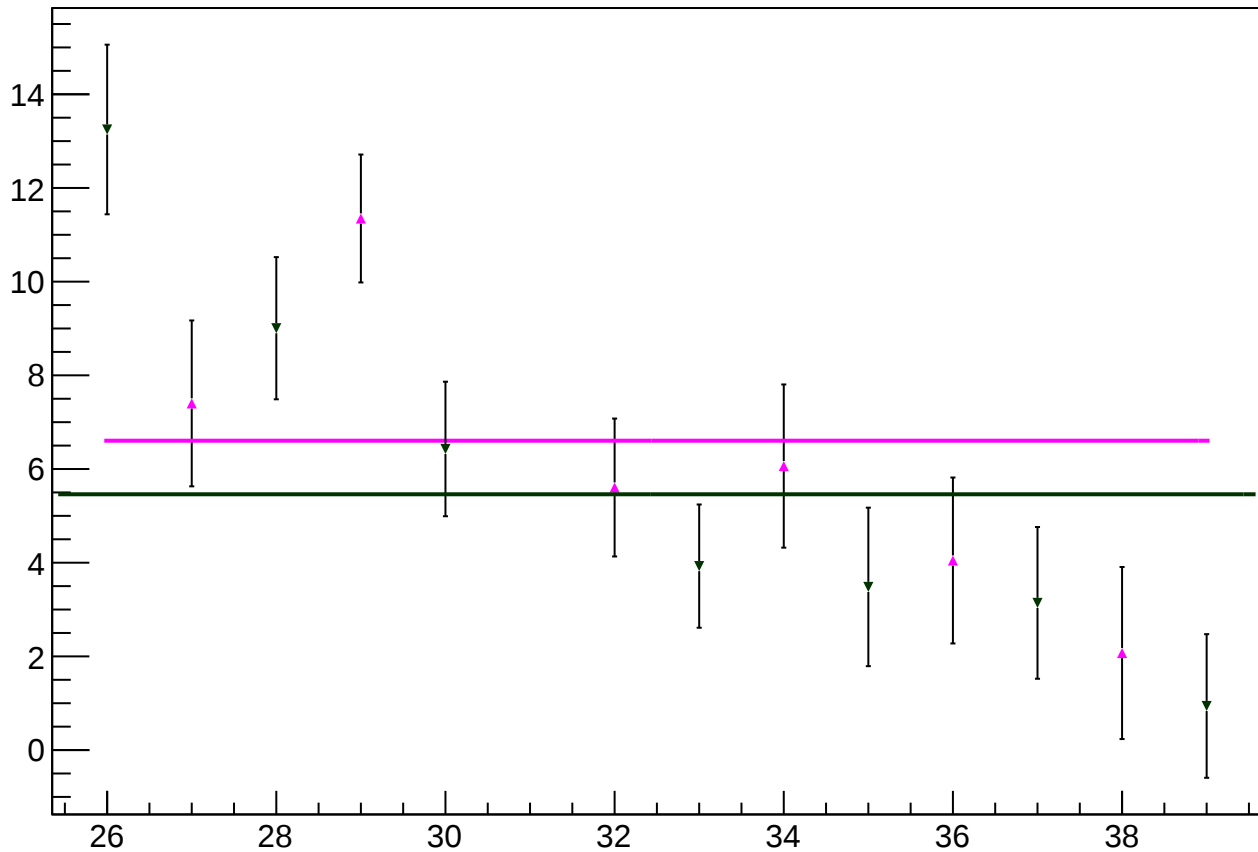
245.100 $\pm$ 3.378  $\chi^2$ /NDF: 683.4/6

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

174.533 $\pm$ 3.166  $\chi^2$ /NDF: 1195.8/5

Left In: 174.533 $\pm$ 3.166  $\chi^2$ /NDF:1195.8/5

# reg\_asym\_sam4\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 5.461+/-0.581  $\chi^2/\text{NDF}$ : 37.9/6

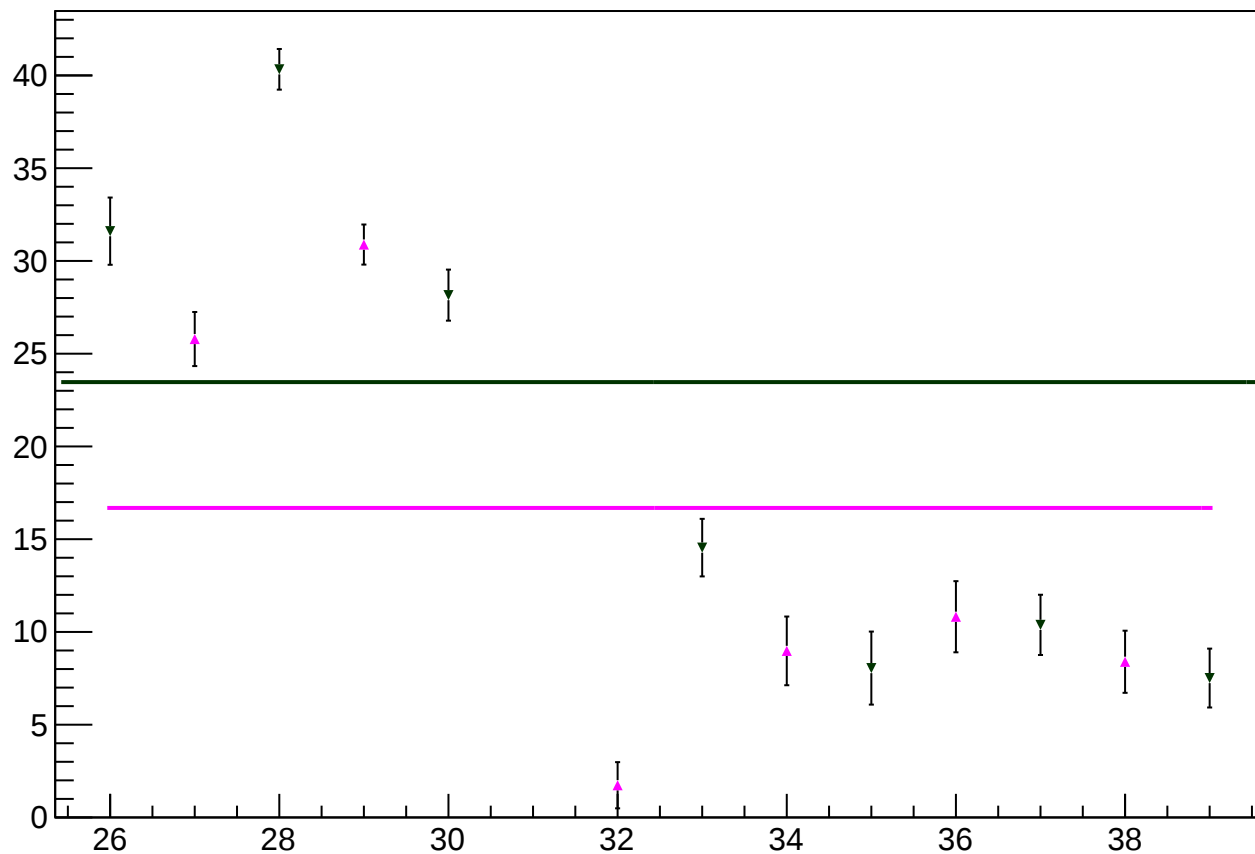
5.461+/-0.581  $\chi^2/\text{NDF}$ : 37.9/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

6.604+/-0.665  $\chi^2/\text{NDF}$ : 21.0/5

Left In: 6.604+/-0.665  $\chi^2/\text{NDF}$ : 21.0/5

# reg\_asym\_sam5\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 23.469+/-0.567  $\chi^2/\text{NDF}$ : 528.9/6

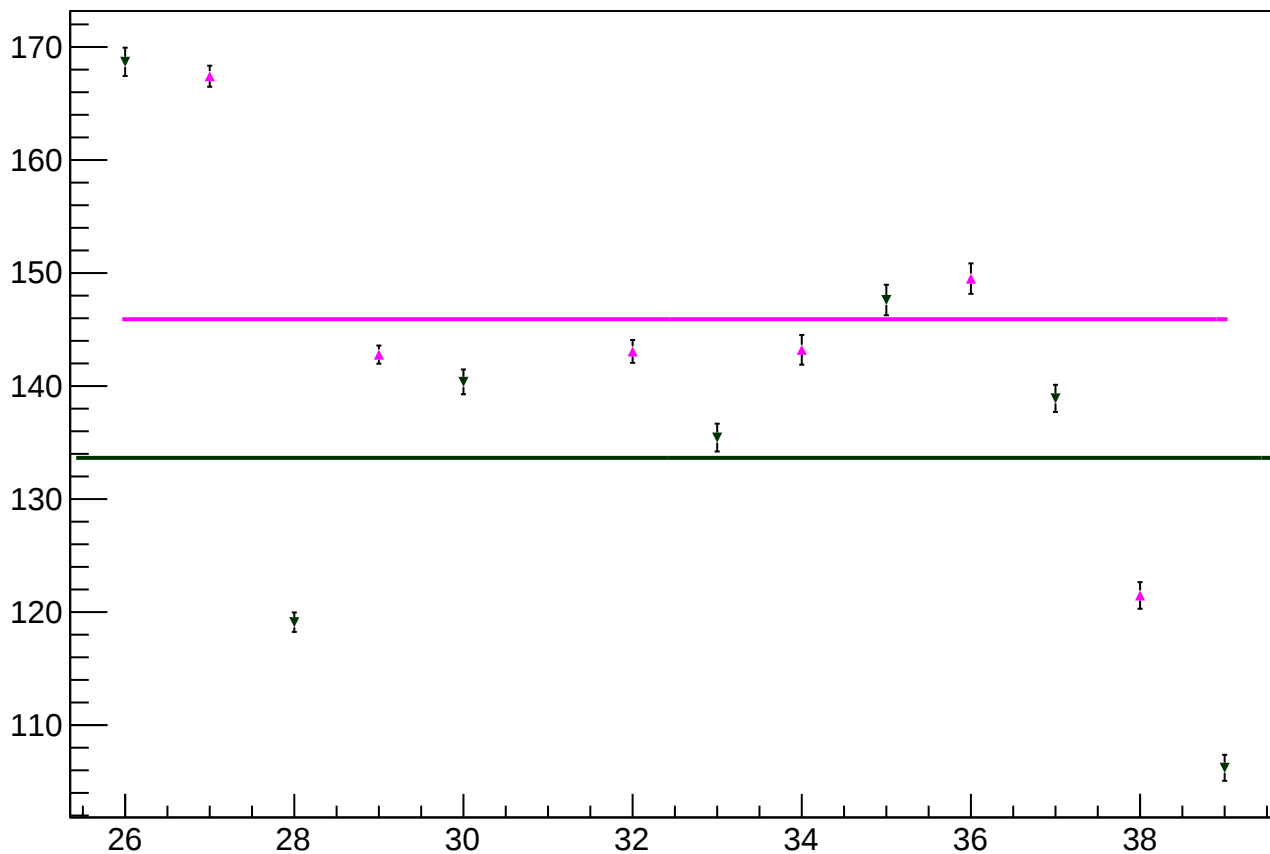
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 16.685+/-0.588  $\chi^2/\text{NDF}$ : 407.0/5

23.469+/-0.567  $\chi^2/\text{NDF}$ : 528.9/6

16.685+/-0.588  $\chi^2/\text{NDF}$ : 407.0/5

# reg\_asym\_sam5\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 133.646+/-0.427  $\chi^2/\text{NDF}$ :1802.5/6

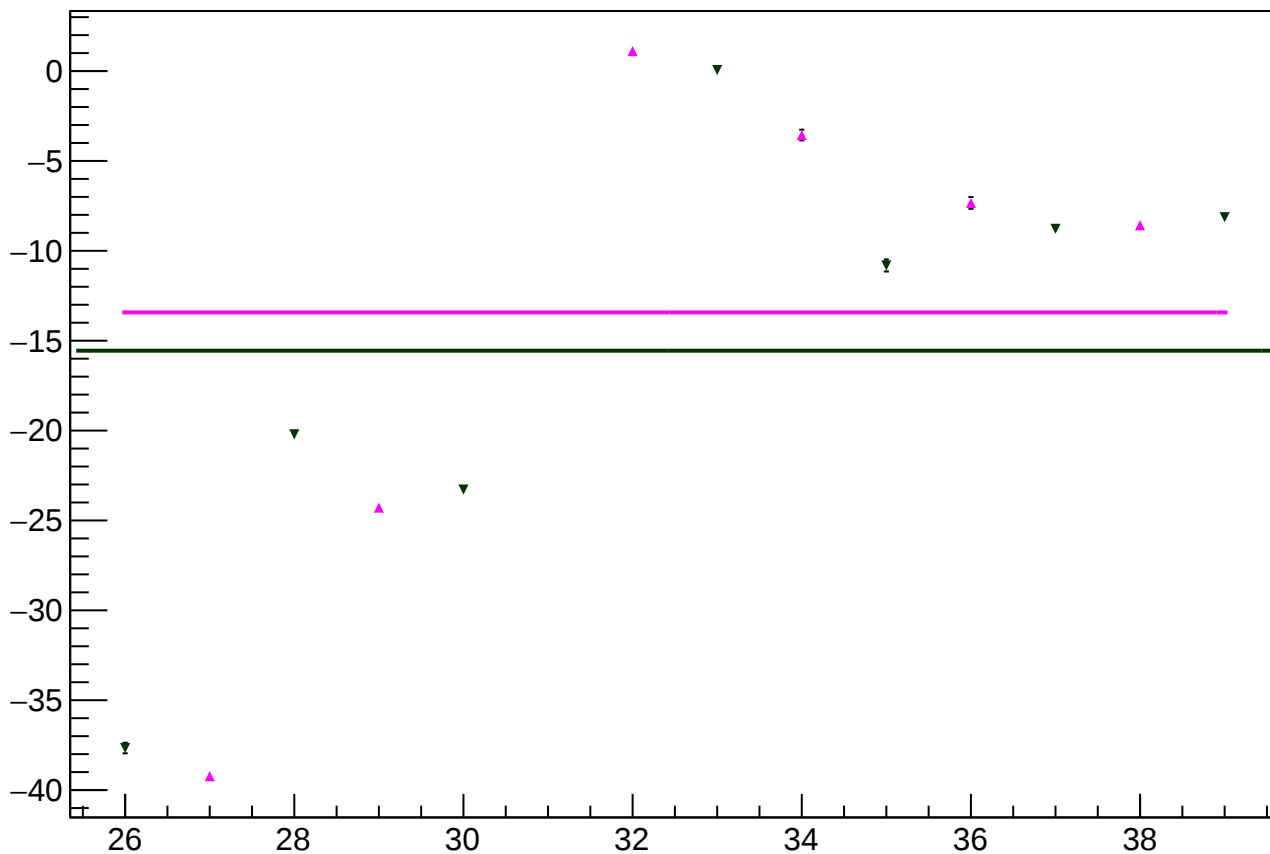
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 145.912+/-0.426  $\chi^2/\text{NDF}$ :993.9/5

133.646+/-0.427  $\chi^2/\text{NDF}$ : 1802.5/6

145.912+/-0.426  $\chi^2/\text{NDF}$ : 993.9/5

# reg\_asym\_sam5\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -15.555+/-0.095  $\chi^2/\text{NDF}$ :13173.6/6

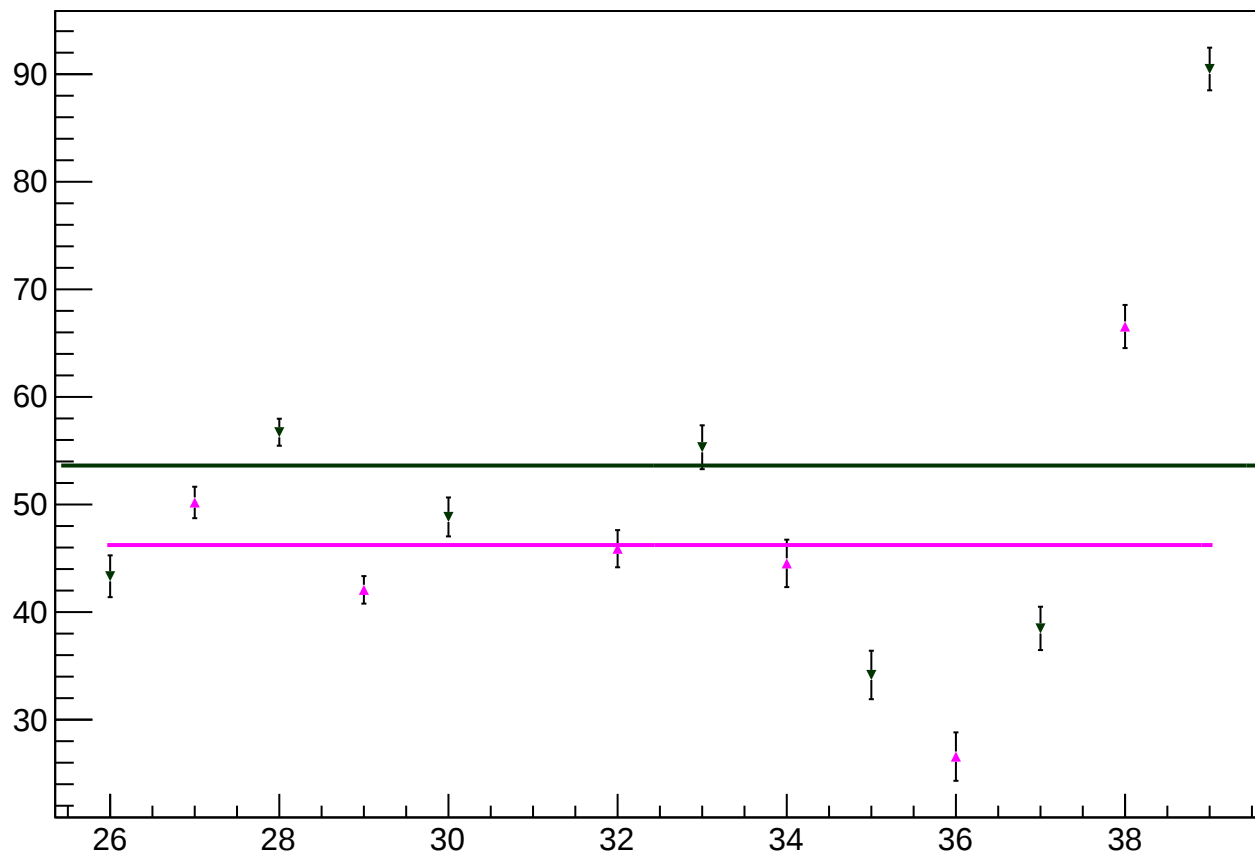
-15.555+/-0.095  $\chi^2/\text{NDF}$ : 13173.6/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-13.428+/-0.100  $\chi^2/\text{NDF}$ : 20388.0/5

Left In: -13.428+/-0.100  $\chi^2/\text{NDF}$ :20388.0/5

# reg\_asym\_sam5\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 53.624+/-0.683  $\chi^2/\text{NDF}$ : 518.8/6

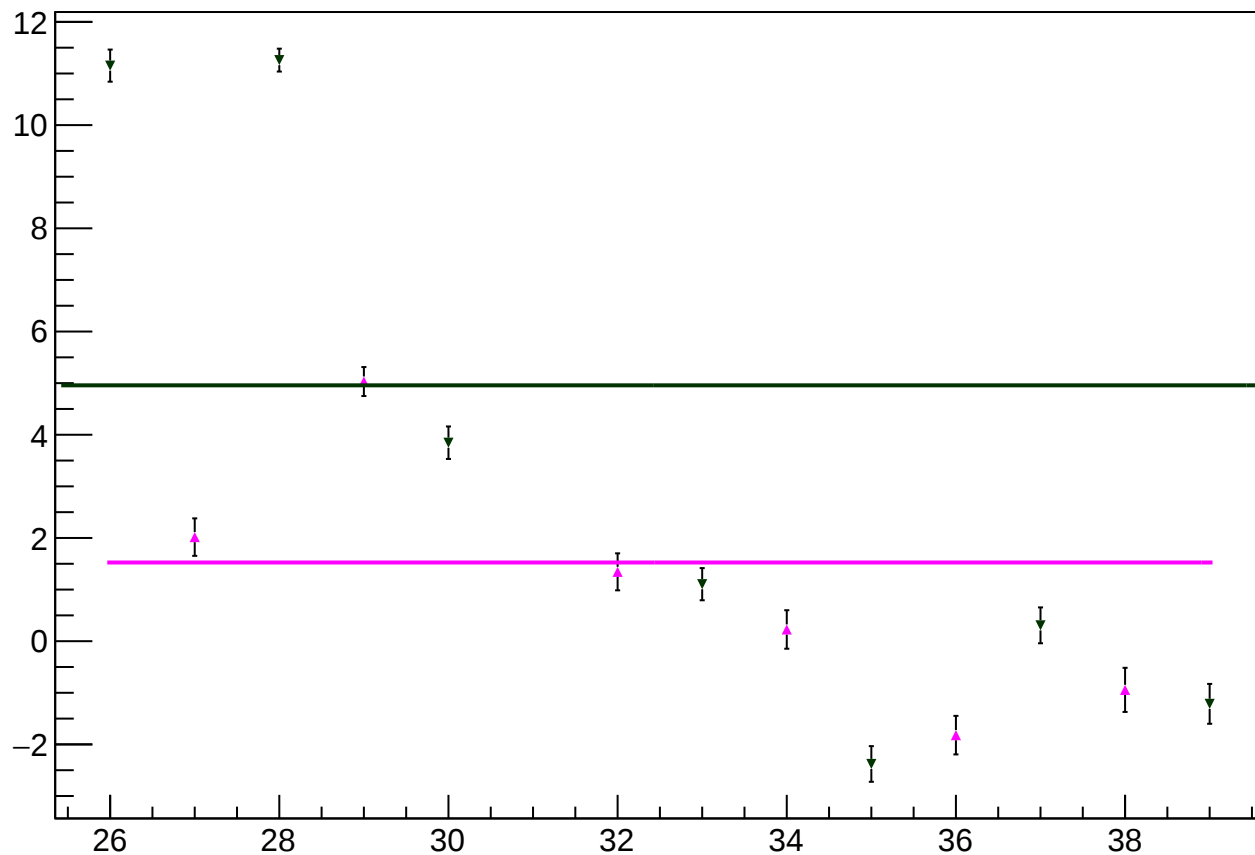
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 46.232+/-0.696  $\chi^2/\text{NDF}$ : 197.4/5

53.624+/-0.683  $\chi^2/\text{NDF}$ : 518.8/6

46.232+/-0.696  $\chi^2/\text{NDF}$ : 197.4/5

# reg\_asym\_sam5\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 4.958+/-0.116  $\chi^2/\text{NDF}$ : 2254.3/6

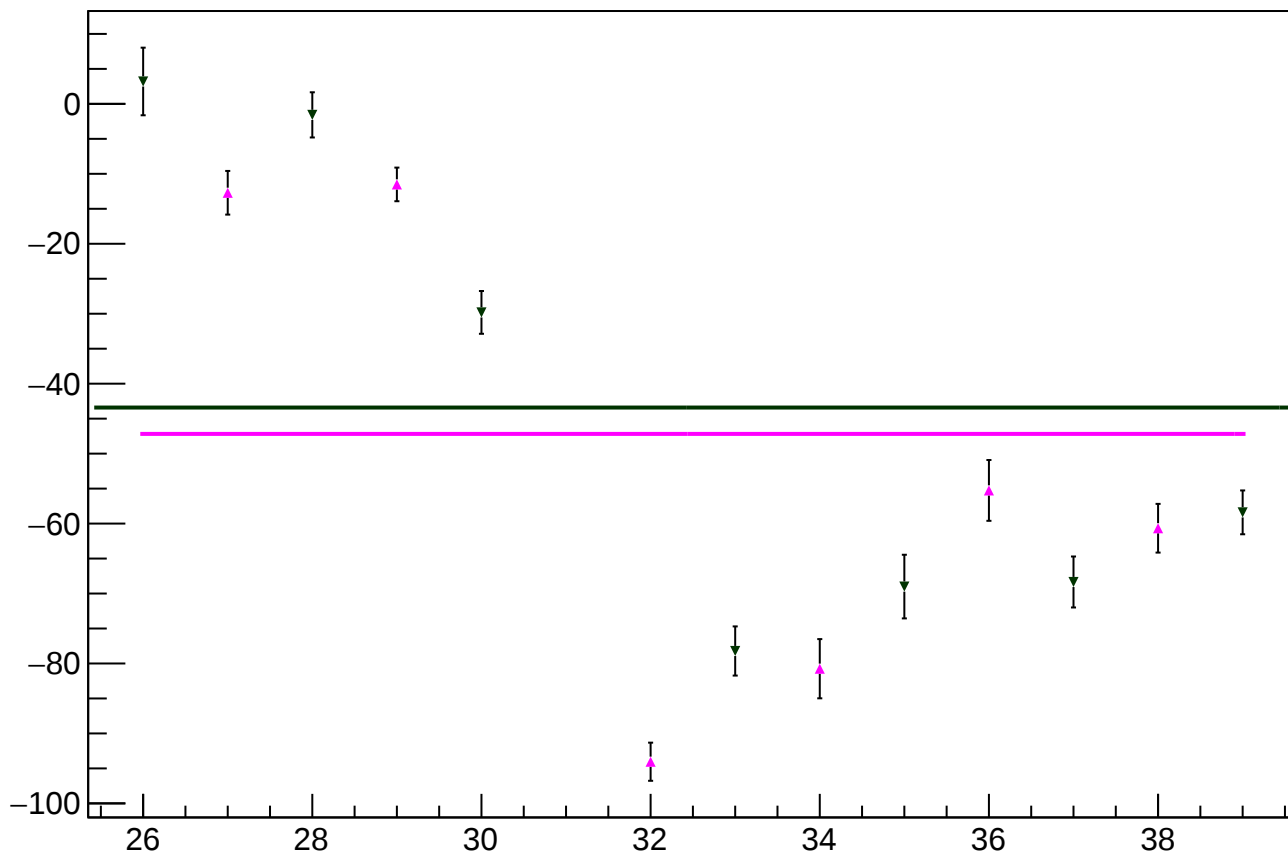
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.525+/-0.145  $\chi^2/\text{NDF}$ : 283.7/5

4.958+/-0.116  $\chi^2/\text{NDF}$ : 2254.3/6

1.525+/-0.145  $\chi^2/\text{NDF}$ : 283.7/5

# reg\_asym\_sam6\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -43.413+/-1.346  $\chi^2/\text{NDF}$ : 480.0/6

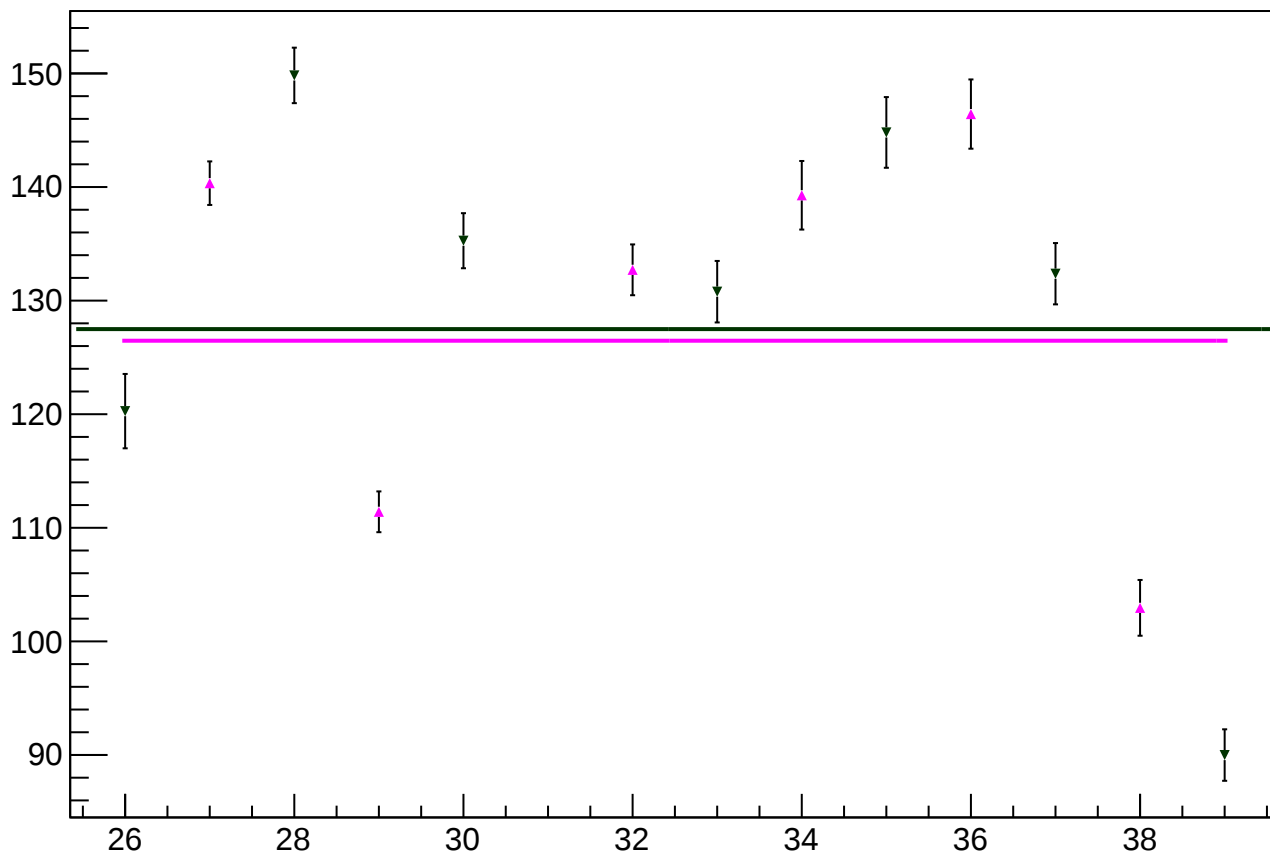
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -47.181+/-1.289  $\chi^2/\text{NDF}$ : 719.1/5

-43.413+/-1.346  $\chi^2/\text{NDF}$ : 480.0/6

-47.181+/-1.289  $\chi^2/\text{NDF}$ : 719.1/5

# reg\_asym\_sam6\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 127.493+/-0.999  $\chi^2/\text{NDF}$ : 408.2/6

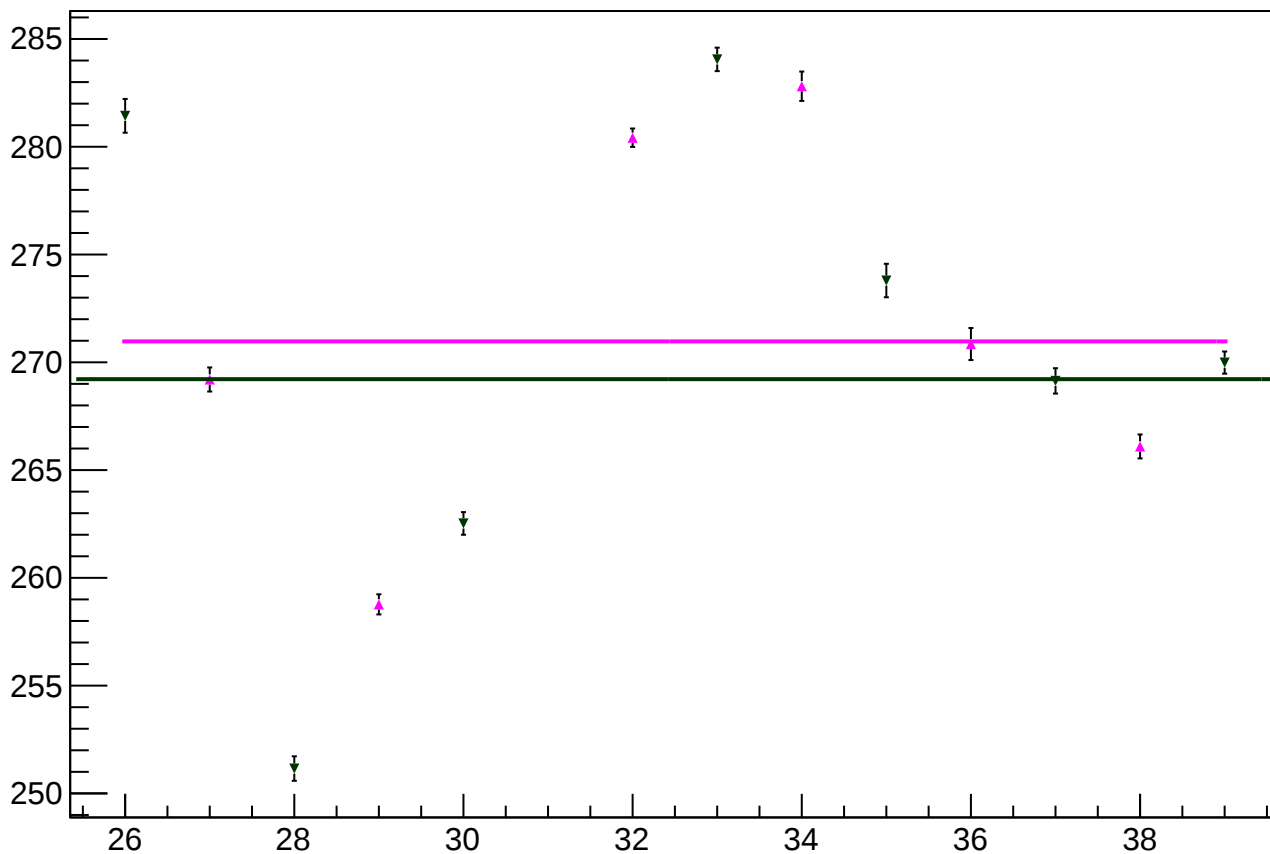
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 126.469+/-0.926  $\chi^2/\text{NDF}$ : 283.1/5

127.493+/-0.999  $\chi^2/\text{NDF}$ : 408.2/6

126.469+/-0.926  $\chi^2/\text{NDF}$ : 283.1/5

# reg\_asym\_sam6\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 269.218+/-0.223  $\chi^2/\text{NDF}$ : 2197.1/6

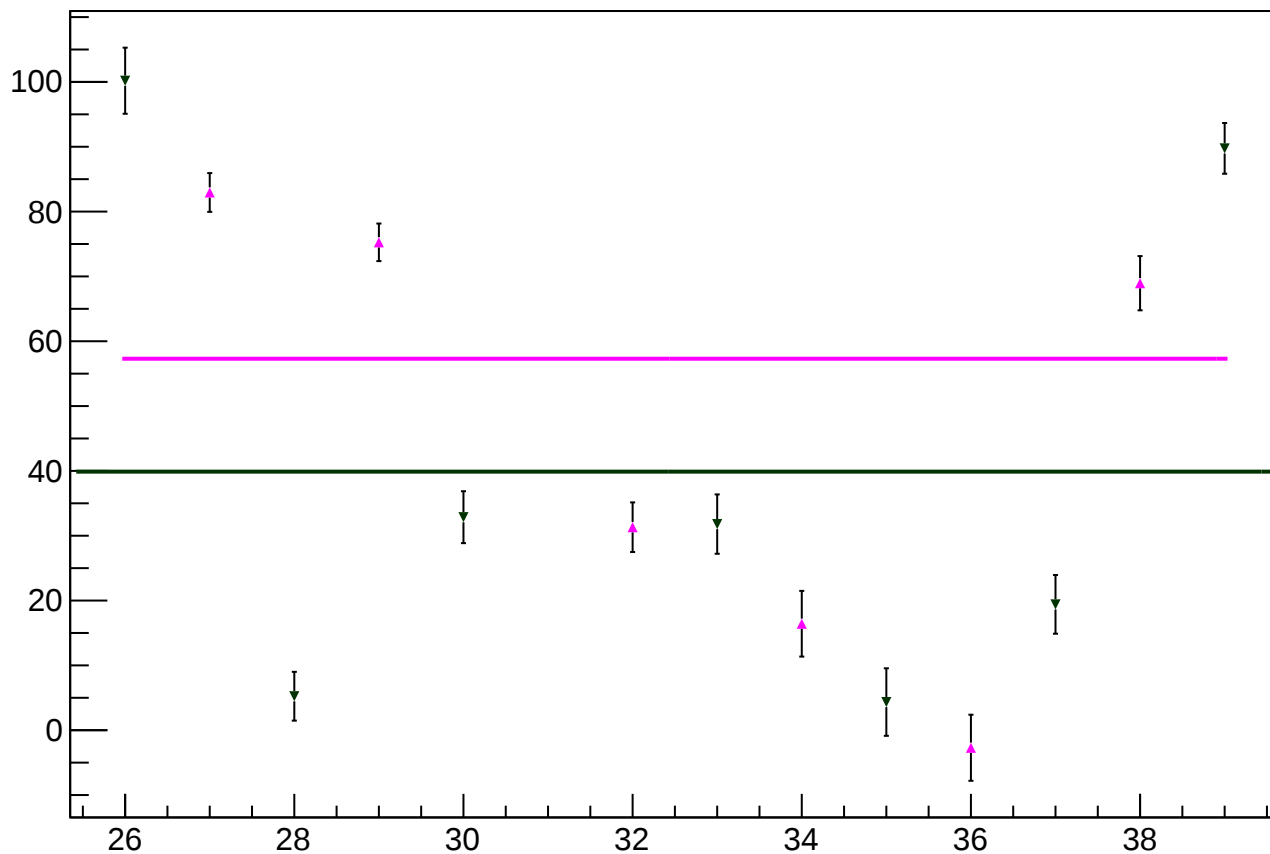
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 270.969+/-0.221  $\chi^2/\text{NDF}$ : 1561.5/5

269.218+/-0.223  $\chi^2/\text{NDF}$ : 2197.1/6

270.969+/-0.221  $\chi^2/\text{NDF}$ : 1561.5/5

# reg\_asym\_sam6\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 39.886+/-1.644  $\chi^2/\text{NDF}$ : 460.3/6

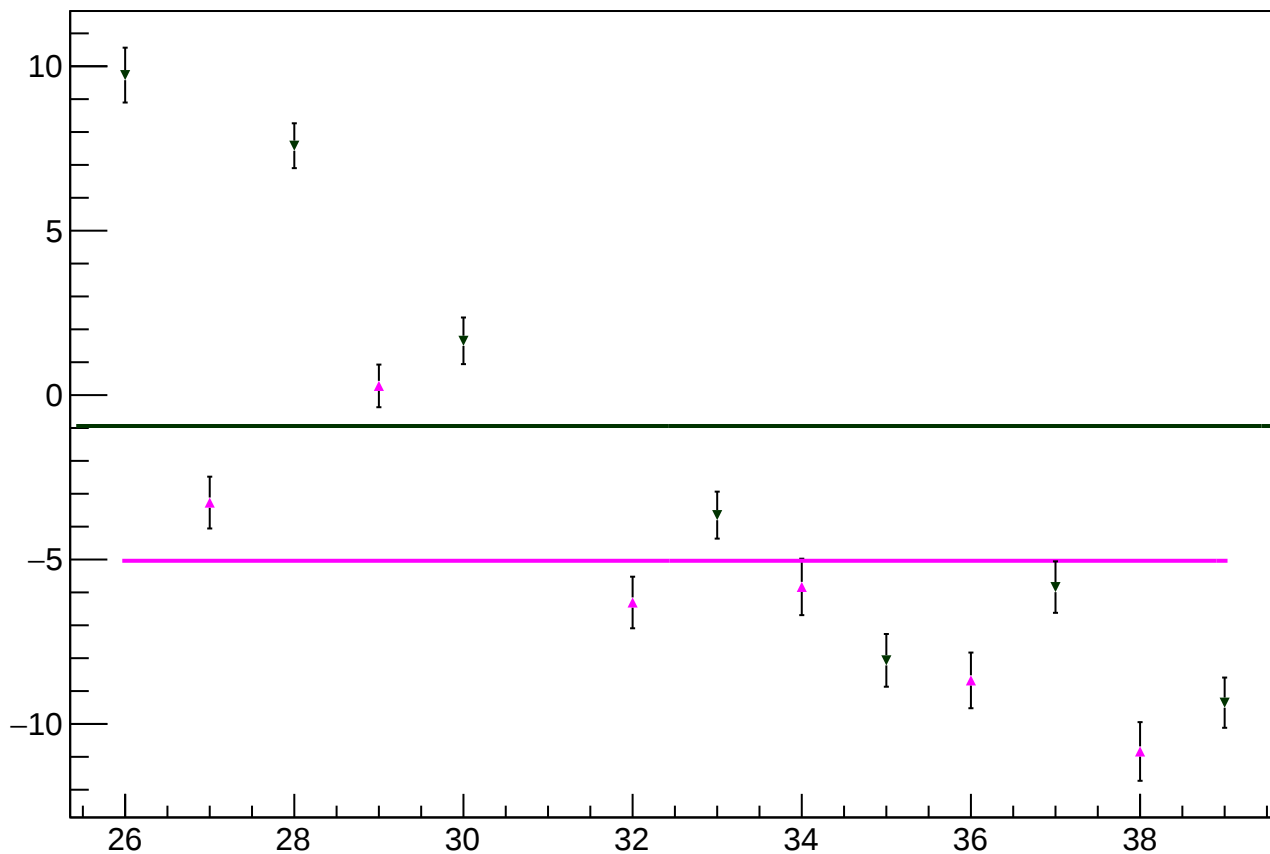
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 57.302+/-1.518  $\chi^2/\text{NDF}$ : 369.5/5

39.886+/-1.644  $\chi^2/\text{NDF}$ : 460.3/6

57.302+/-1.518  $\chi^2/\text{NDF}$ : 369.5/5

# reg\_asym\_sam6\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.940+/-0.284  $\chi^2/\text{NDF}$ : 587.1/6

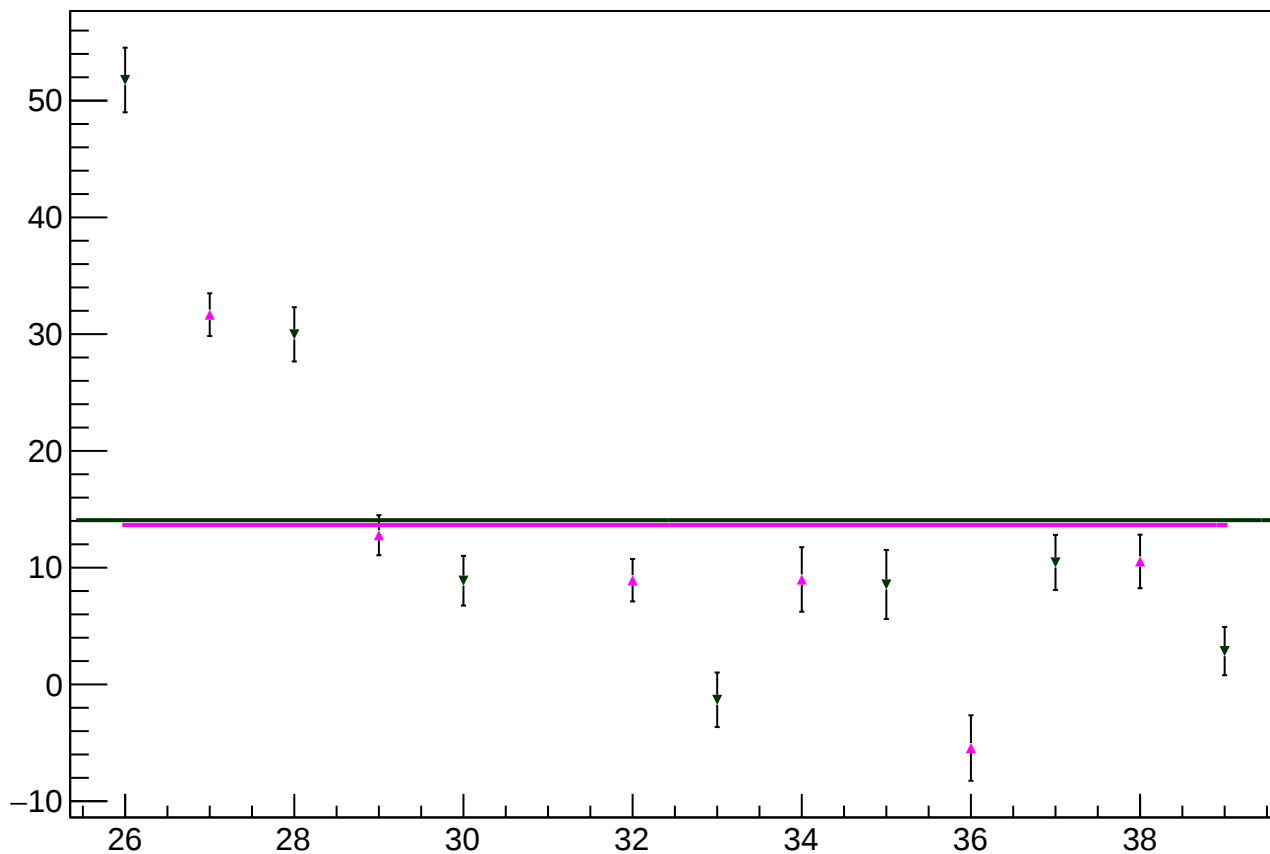
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -5.038+/-0.322  $\chi^2/\text{NDF}$ : 136.5/5

-0.940+/-0.284  $\chi^2/\text{NDF}$ : 587.1/6

-5.038+/-0.322  $\chi^2/\text{NDF}$ : 136.5/5

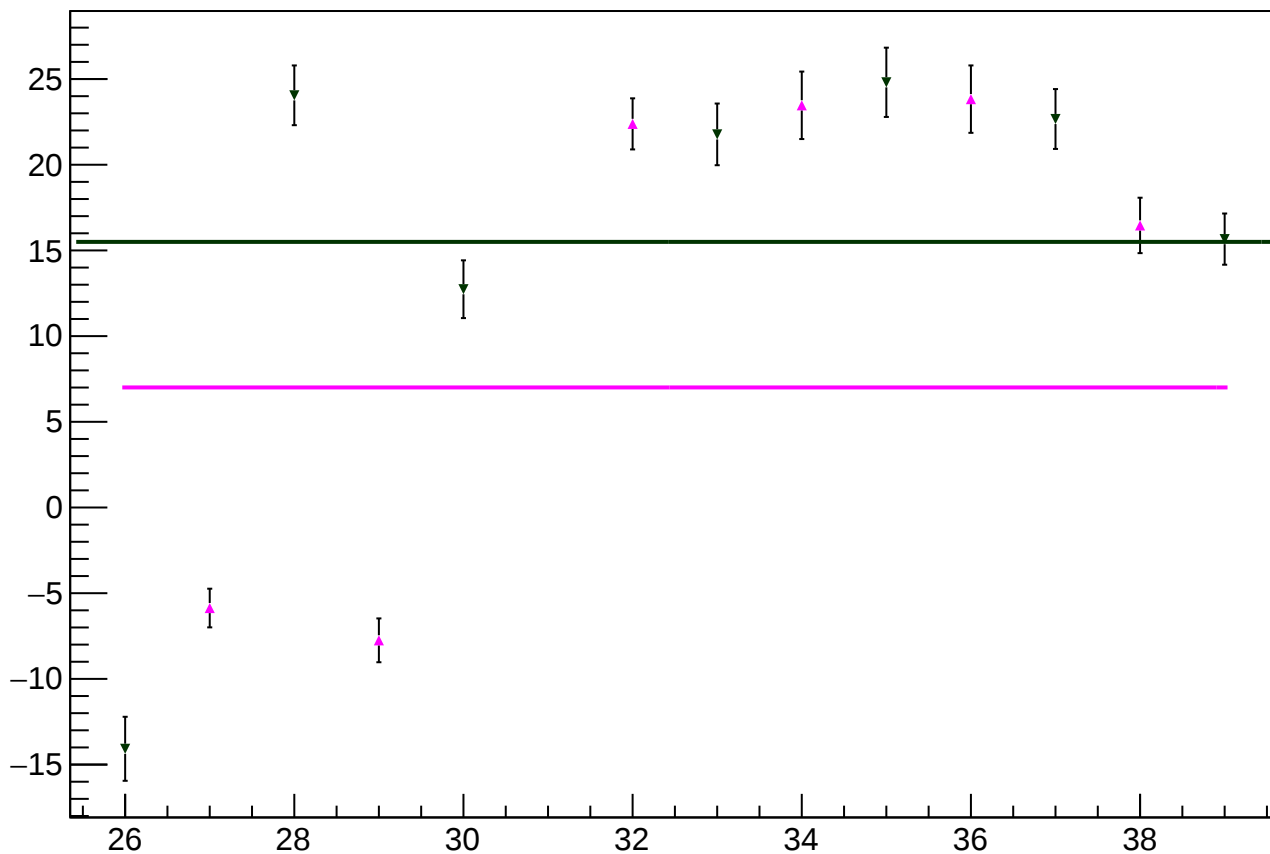
# reg\_asym\_sam7\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 14.068+/-0.895  $\chi^2/\text{NDF}$ :316.9/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 13.658+/-0.848  $\chi^2/\text{NDF}$ :154.8/5

14.068+/-0.895  $\chi^2/\text{NDF}$ : 316.9/6  
 13.658+/-0.848  $\chi^2/\text{NDF}$ : 154.8/5

# reg\_asym\_sam7\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 15.499+/-0.660  $\chi^2/\text{NDF}$ : 327.8/6

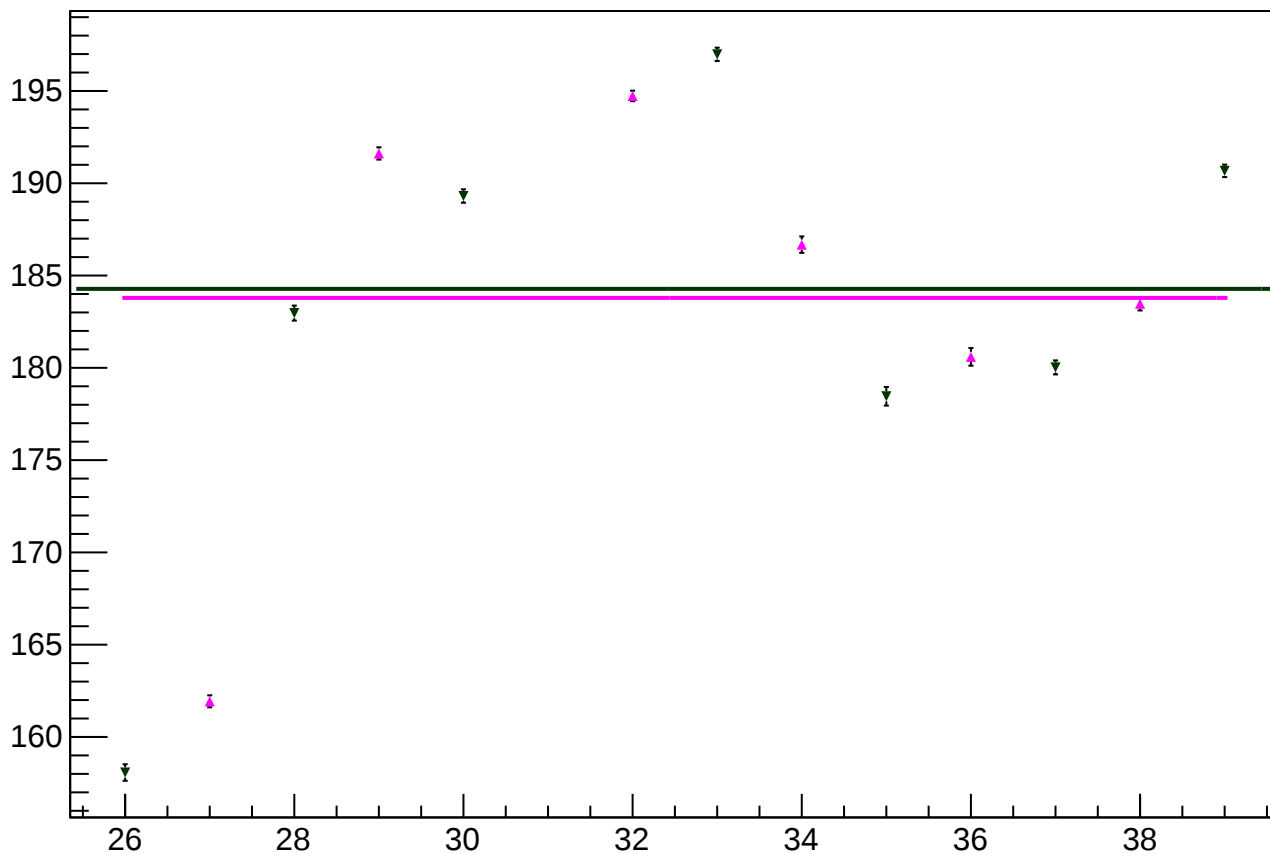
15.499+/-0.660  $\chi^2/\text{NDF}$ : 327.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

7.005+/-0.603  $\chi^2/\text{NDF}$ : 547.1/5

Left In: 7.005+/-0.603  $\chi^2/\text{NDF}$ : 547.1/5

# reg\_asym\_sam7\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 184.280+/-0.148  $\chi^2/\text{NDF}$ : 5459.8/6

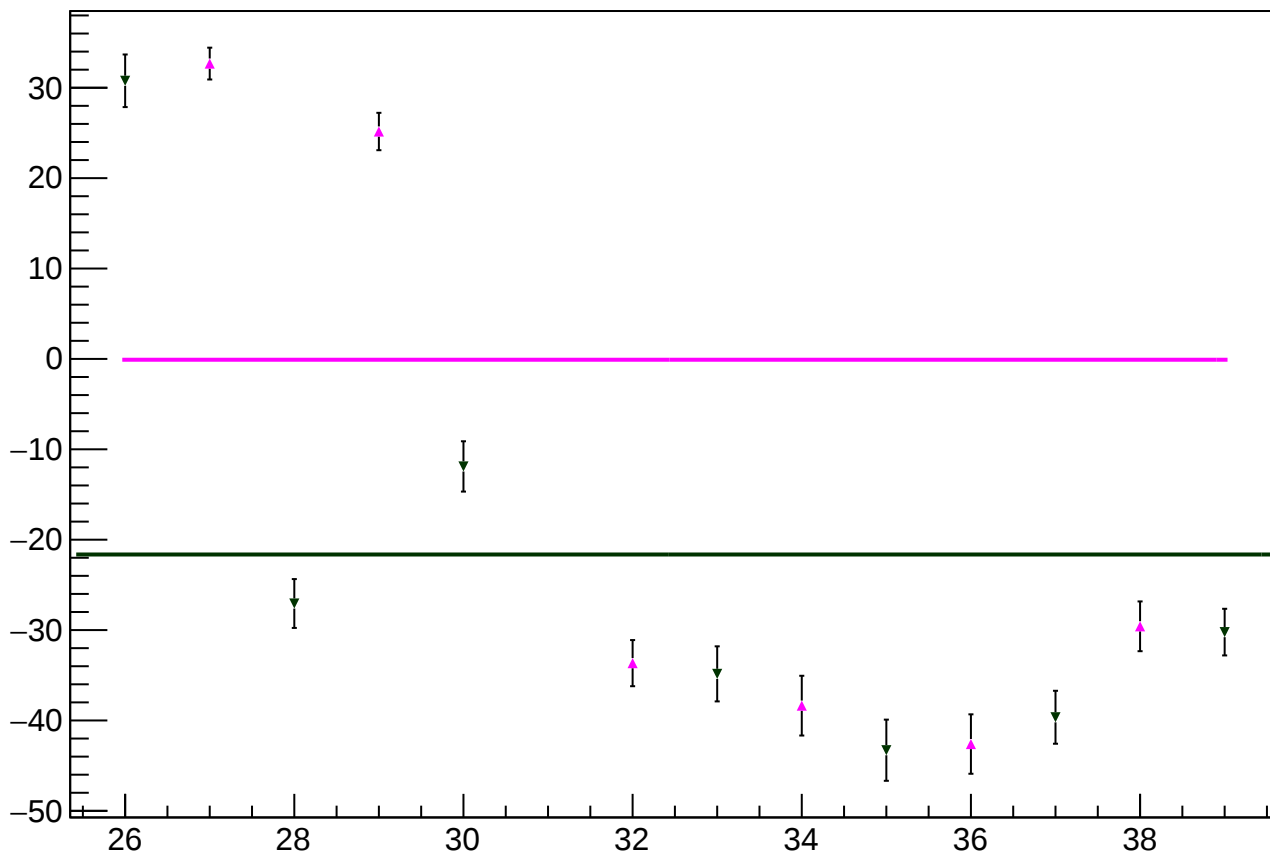
184.280+/-0.148  $\chi^2/\text{NDF}$ : 5459.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

183.789+/-0.145  $\chi^2/\text{NDF}$ : 6595.4/5

Left In: 183.789+/-0.145  $\chi^2/\text{NDF}$ : 6595.4/5

# reg\_asym\_sam7\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -21.638+/-1.087  $\chi^2/\text{NDF}$ : 449.1/6

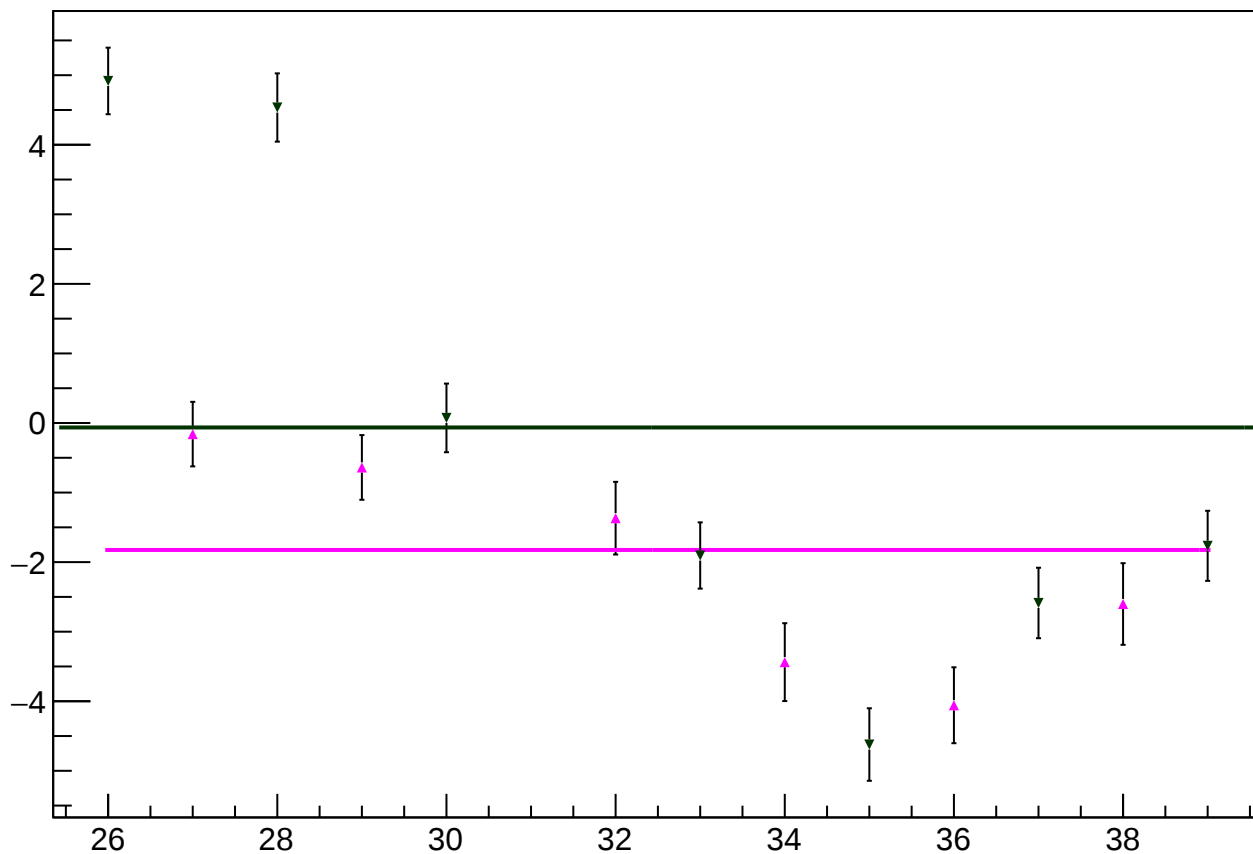
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.091+/-0.987  $\chi^2/\text{NDF}$ : 1084.6/5

-21.638+/-1.087  $\chi^2/\text{NDF}$ : 449.1/6

-0.091+/-0.987  $\chi^2/\text{NDF}$ : 1084.6/5

# reg\_asym\_sam7\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.064+/-0.187  $\chi^2/\text{NDF}$ : 323.9/6

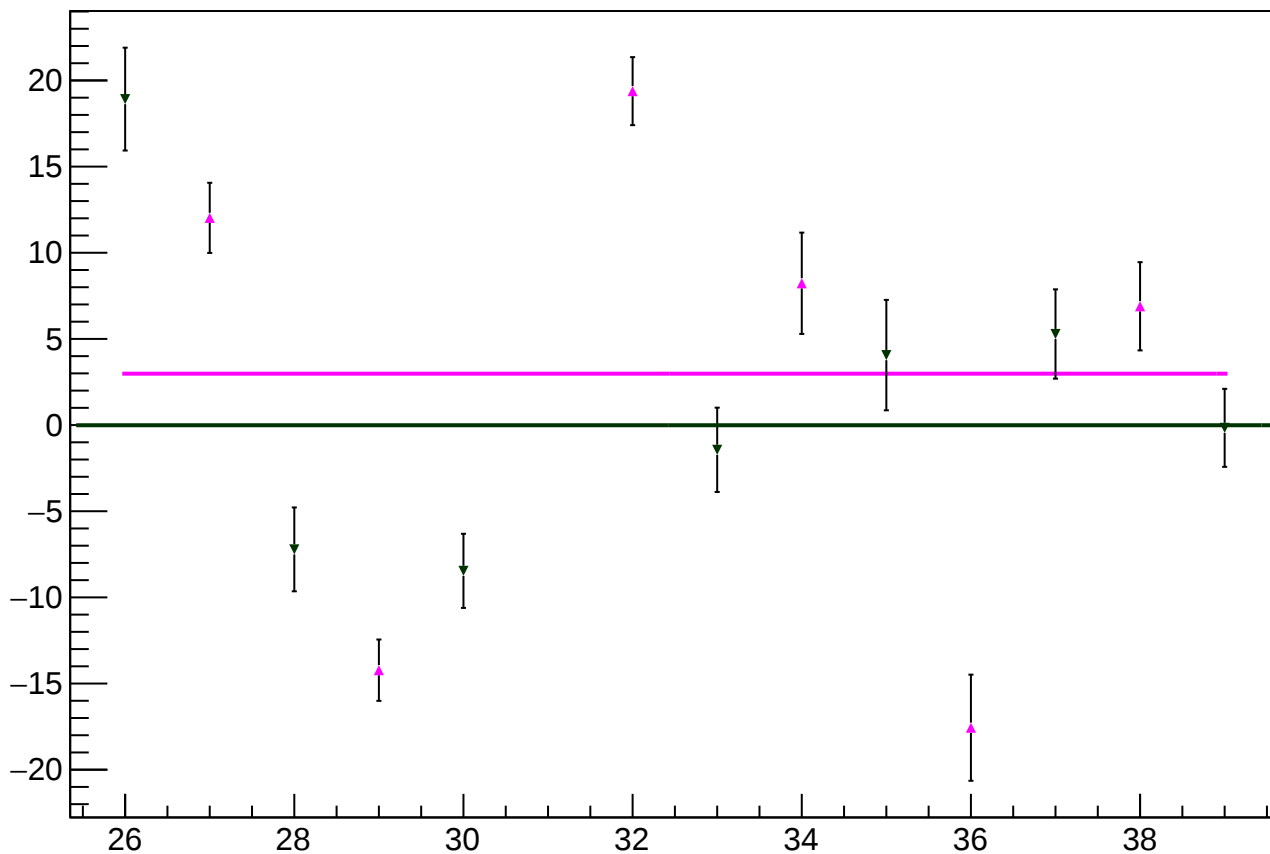
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1.825+/-0.211  $\chi^2/\text{NDF}$ : 47.0/5

-0.064+/-0.187  $\chi^2/\text{NDF}$ : 323.9/6

-1.825+/-0.211  $\chi^2/\text{NDF}$ : 47.0/5

# reg\_asym\_sam8\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.010+/-0.951  $\chi^2/\text{NDF}$ : 70.5/6

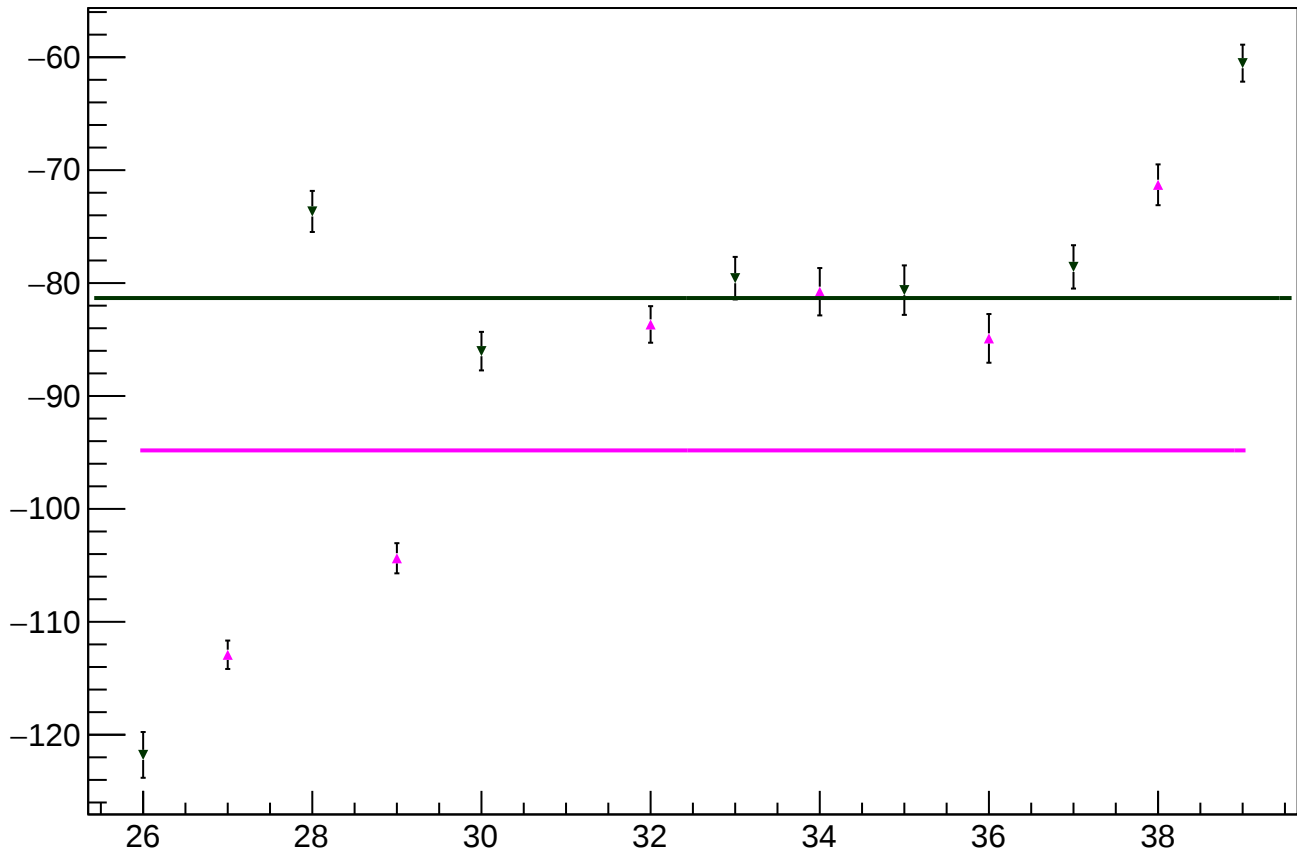
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2.983+/-0.918  $\chi^2/\text{NDF}$ : 232.2/5

-0.010+/-0.951  $\chi^2/\text{NDF}$ : 70.5/6

2.983+/-0.918  $\chi^2/\text{NDF}$ : 232.2/5

# reg\_asym\_sam8\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -81.326+/-0.703  $\chi^2/\text{NDF}$ : 587.9/6

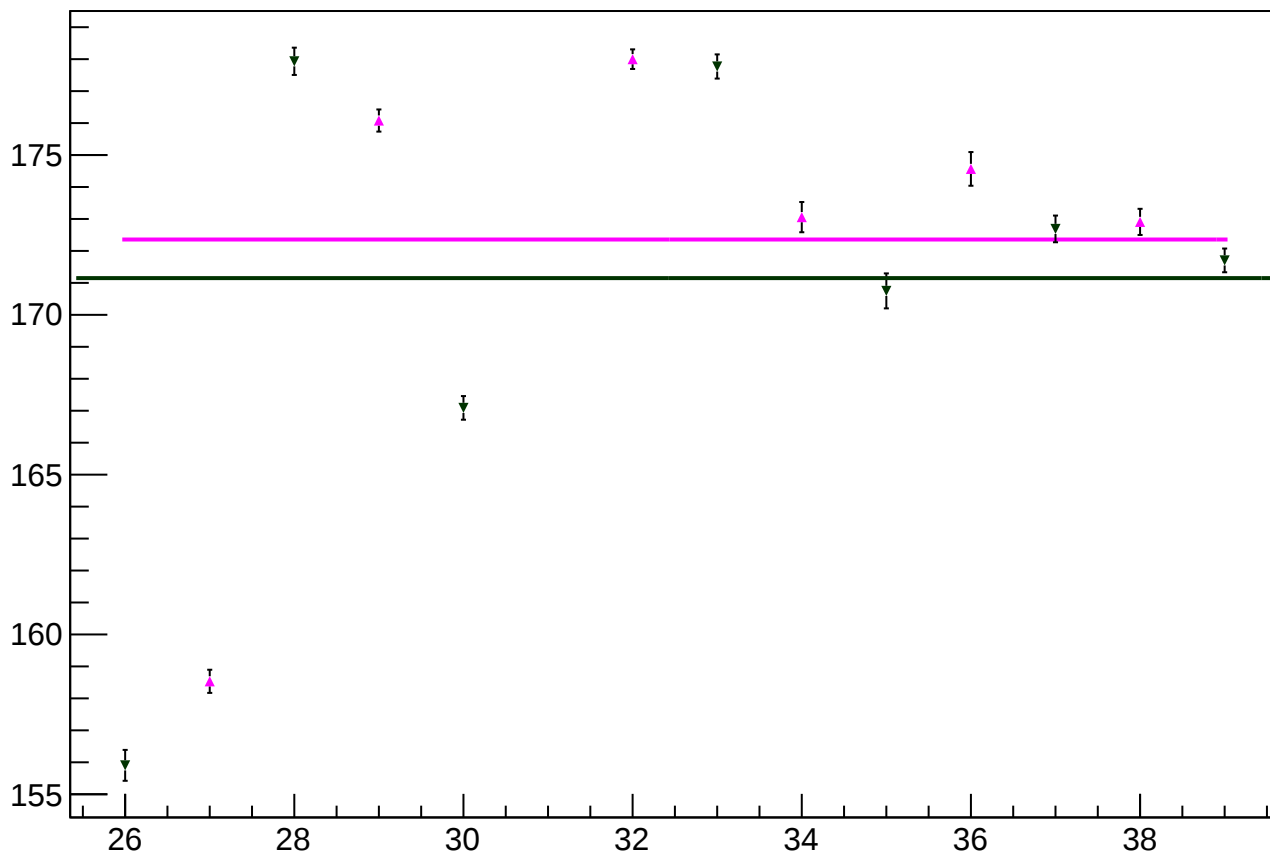
-81.326+/-0.703  $\chi^2/\text{NDF}$ : 587.9/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -94.819+/-0.656  $\chi^2/\text{NDF}$ : 541.0/5

-94.819+/-0.656  $\chi^2/\text{NDF}$ : 541.0/5

# reg\_asym\_sam8\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 171.149+/-0.157  $\chi^2/\text{NDF}$ :1690.7/6

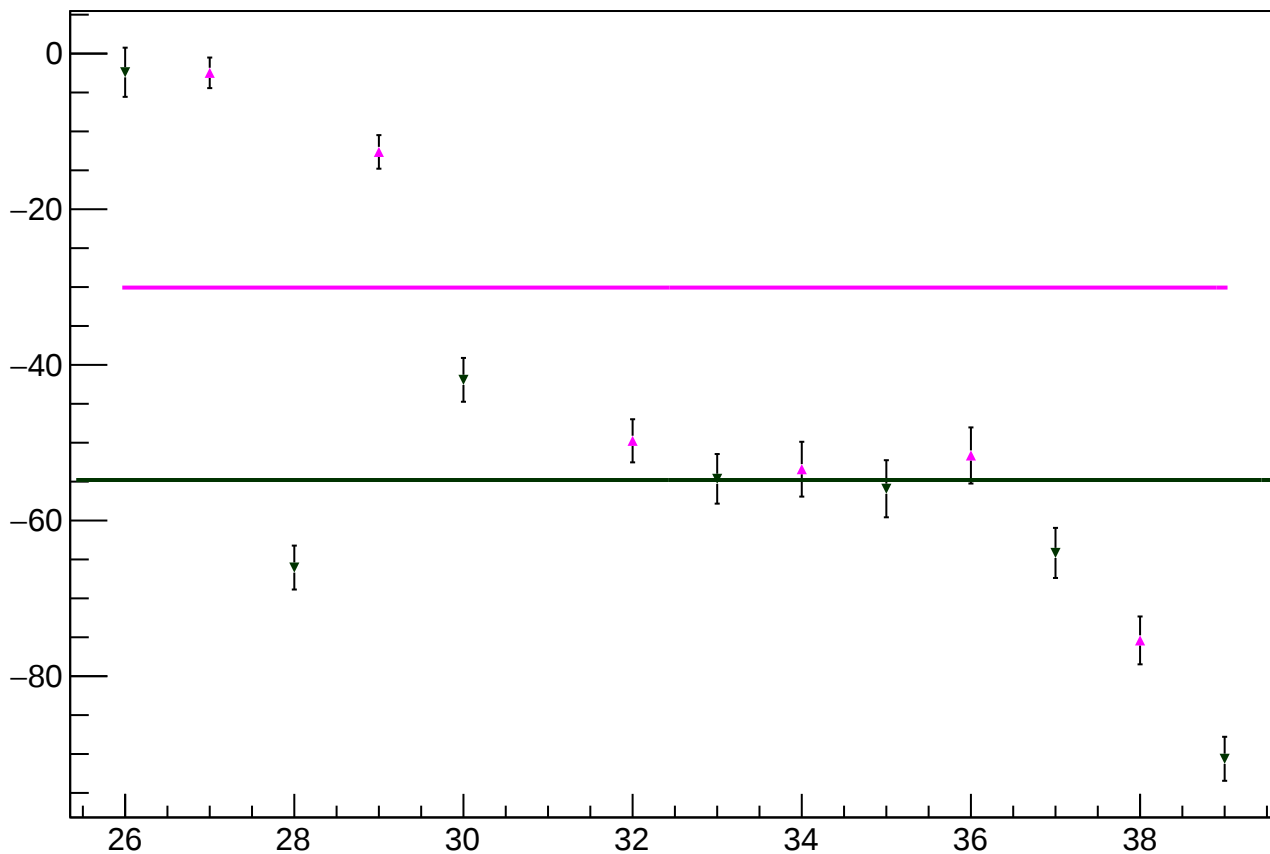
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 172.357+/-0.157  $\chi^2/\text{NDF}$ :1932.0/5

171.149+/-0.157  $\chi^2/\text{NDF}$ : 1690.7/6

172.357+/-0.157  $\chi^2/\text{NDF}$ : 1932.0/5

# reg\_asym\_sam8\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -54.792+/-1.158  $\chi^2/\text{NDF}$ : 480.8/6

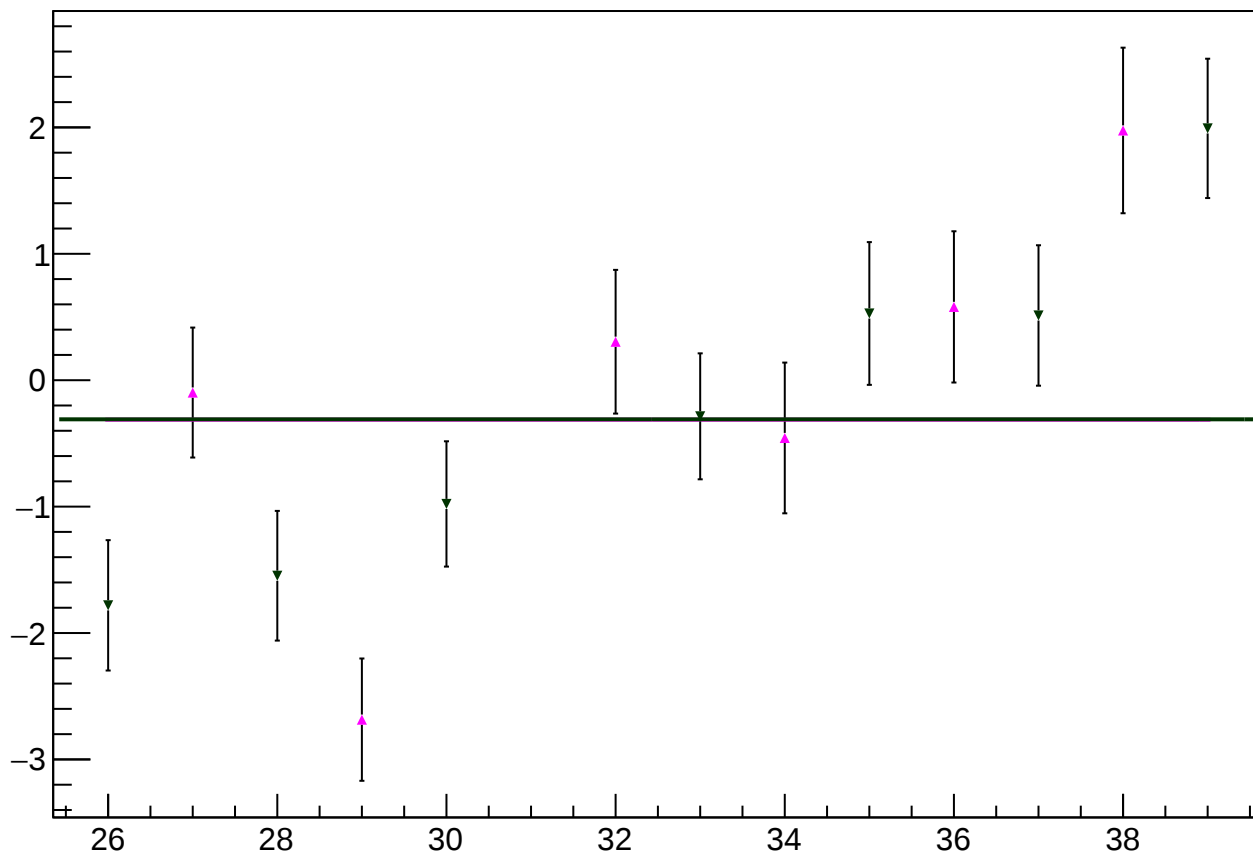
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -30.067+/-1.074  $\chi^2/\text{NDF}$ : 610.4/5

-54.792+/-1.158  $\chi^2/\text{NDF}$ : 480.8/6

-30.067+/-1.074  $\chi^2/\text{NDF}$ : 610.4/5

# reg\_asym\_sam8\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.309+/-0.199  $\chi^2/\text{NDF}$ : 37.6/6

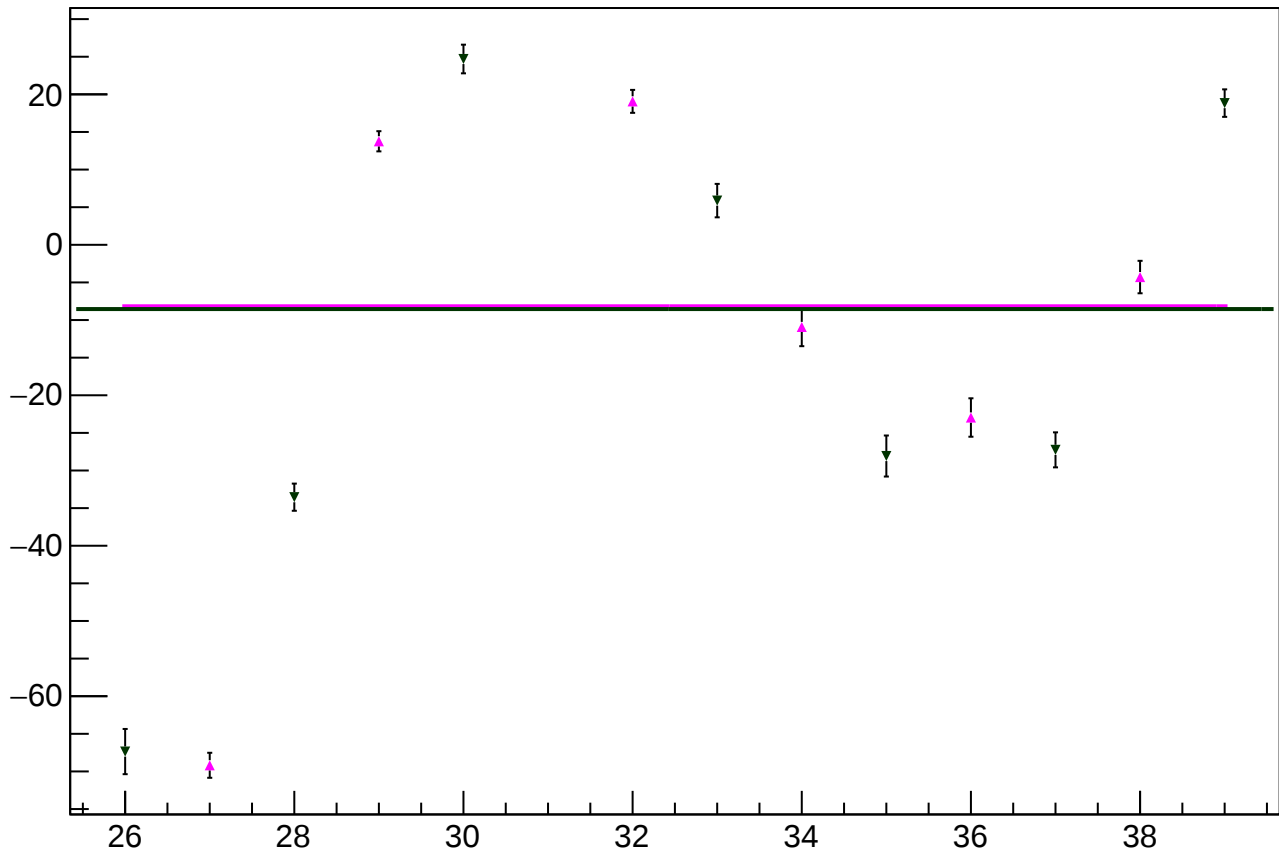
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.312+/-0.229  $\chi^2/\text{NDF}$ : 39.9/5

-0.309+/-0.199  $\chi^2/\text{NDF}$ : 37.6/6

-0.312+/-0.229  $\chi^2/\text{NDF}$ : 39.9/5

# reg\_asym\_atr1\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -8.540+/-0.813  $\chi^2/\text{NDF}$ : 1261.5/6

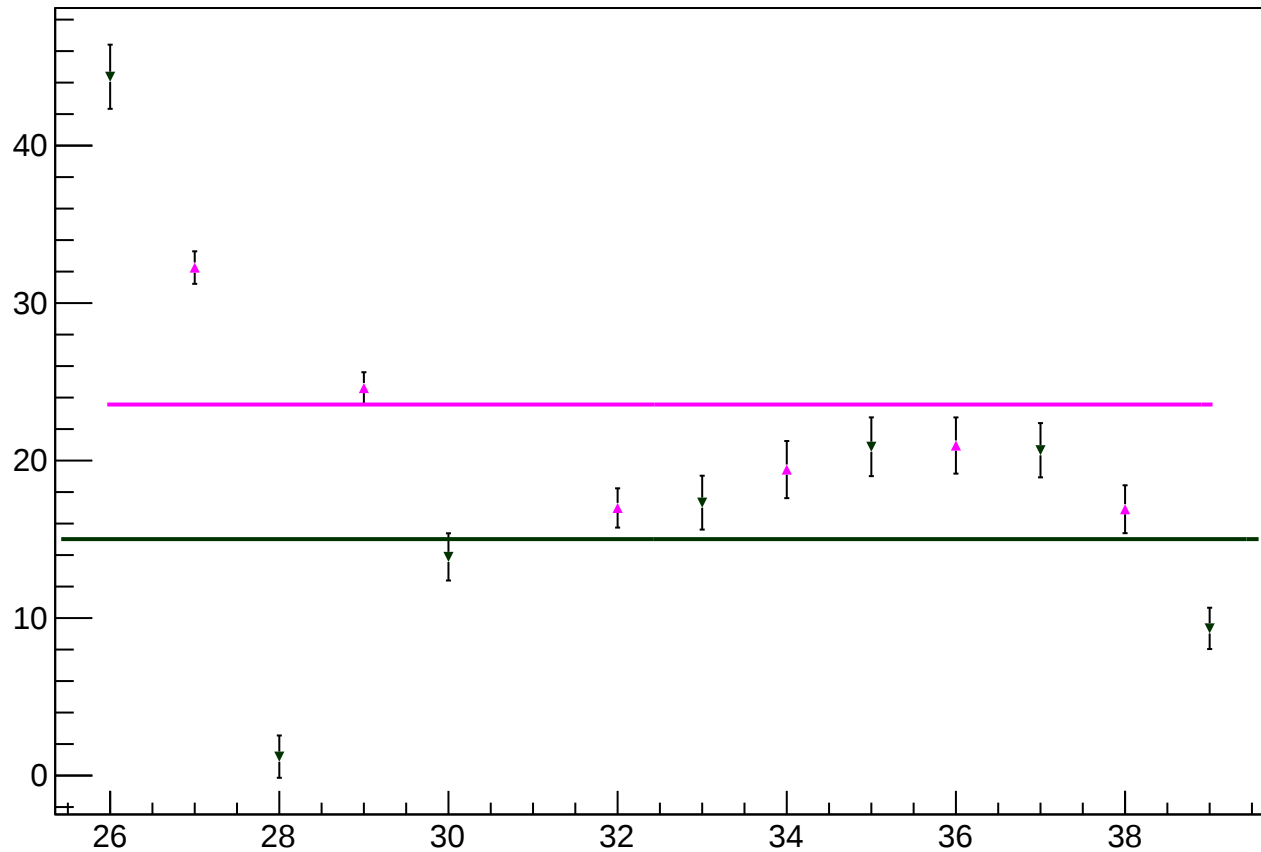
-8.540+/-0.813  $\chi^2/\text{NDF}$ : 1261.5/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-8.171+/-0.731  $\chi^2/\text{NDF}$ : 1971.0/5

Left In: -8.171+/-0.731  $\chi^2/\text{NDF}$ : 1971.0/5

# reg\_asym\_atr1\_diff\_bpm4aY\_slope vs slug

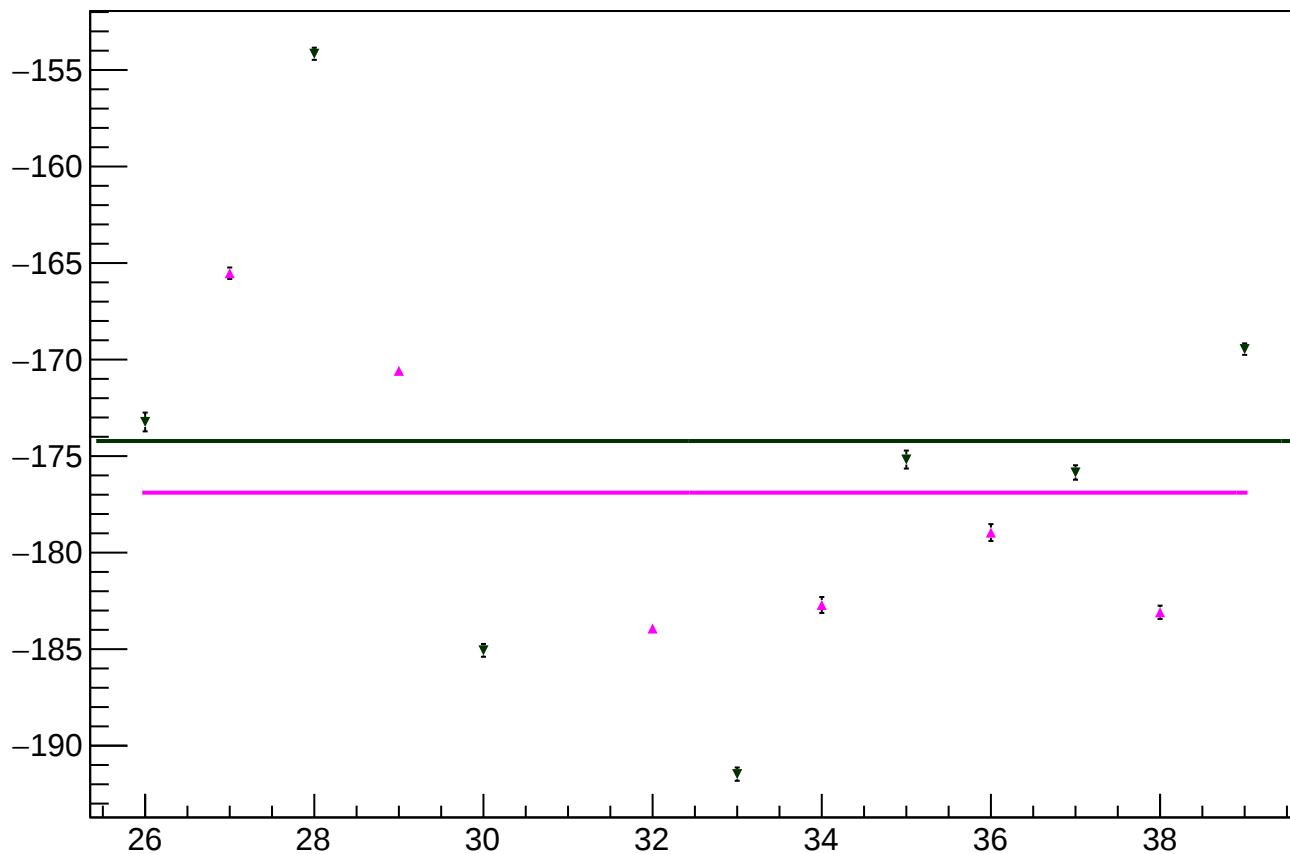


Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Left Out: 15.013+/-0.599  $\chi^2$ /NDF:355.1/6  
Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Left In: 23.559+/-0.526  $\chi^2$ /NDF:126.1/5

15.013+/-0.599  $\chi^2$ /NDF: 355.1/6

23.559+/-0.526  $\chi^2$ /NDF: 126.1/5

# reg\_asym\_atr1\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -174.219+/-0.135  $\chi^2/\text{NDF}$ : 7880.2/6

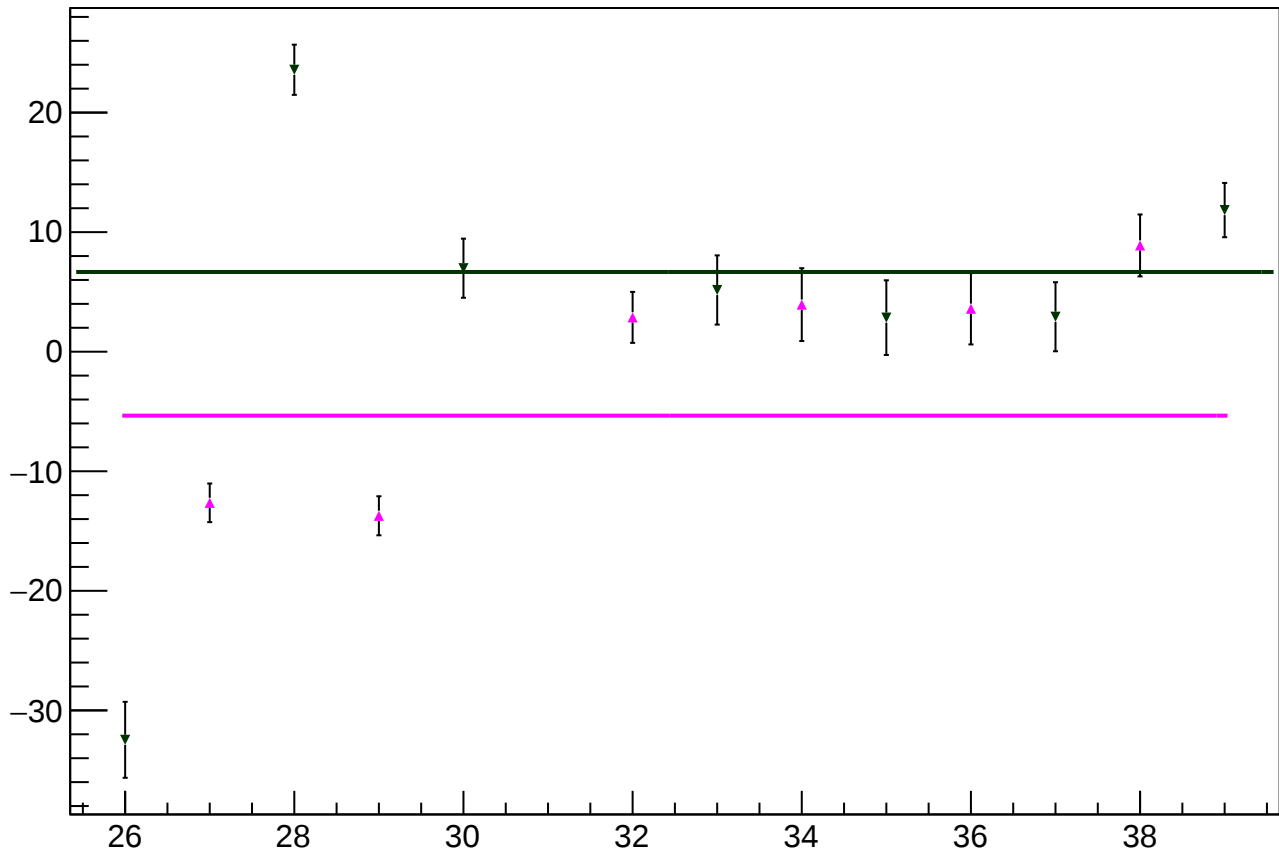
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -176.894+/-0.126  $\chi^2/\text{NDF}$ : 3469.9/5

-174.219+/-0.135  $\chi^2/\text{NDF}$ : 7880.2/6

-176.894+/-0.126  $\chi^2/\text{NDF}$ : 3469.9/5

# reg\_asym\_atr1\_diff\_bpm4eY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 6.668 $\pm$ 0.988  $\chi^2$ /NDF: 225.3/6

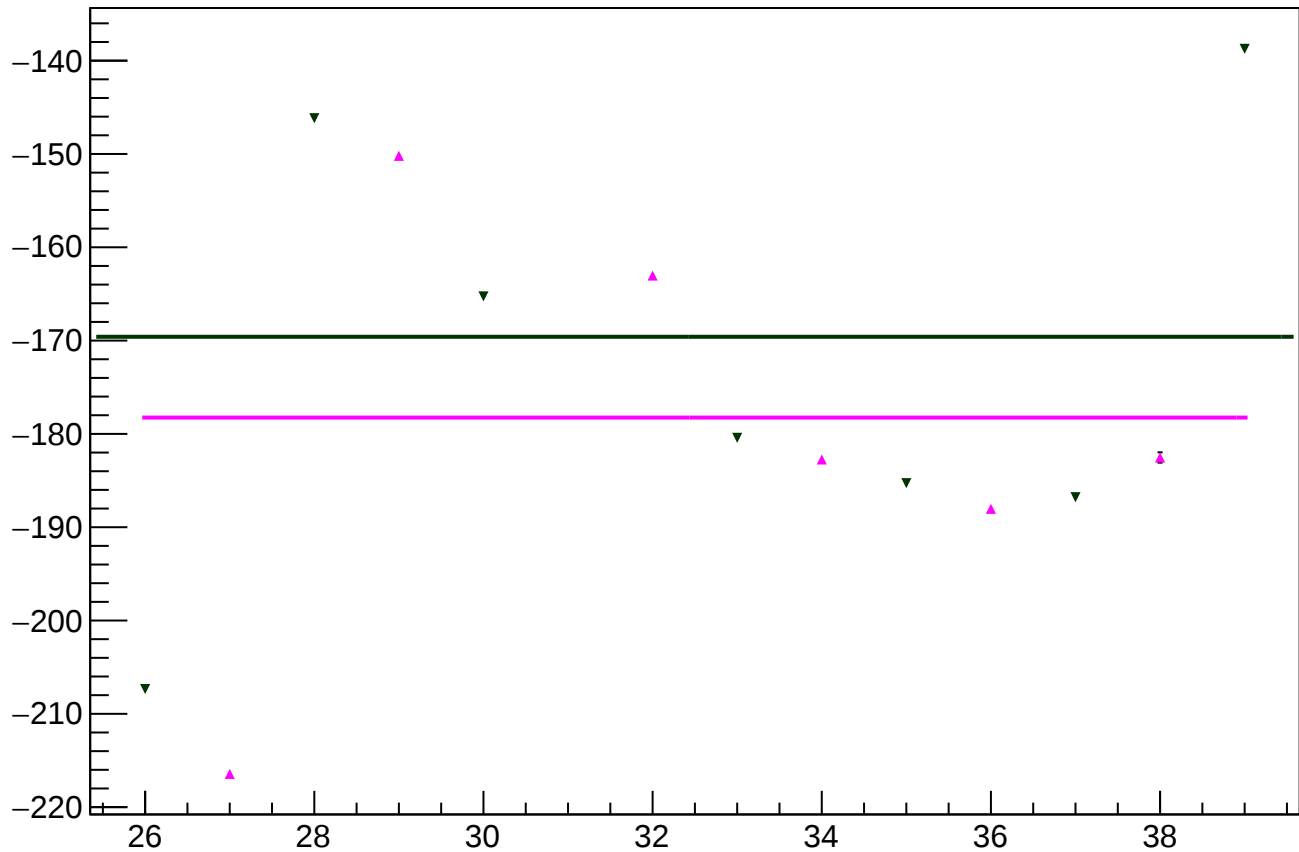
6.668 $\pm$ 0.988  $\chi^2$ /NDF: 225.3/6

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-5.349 $\pm$ 0.862  $\chi^2$ /NDF: 110.0/5

Left In: -5.349 $\pm$ 0.862  $\chi^2$ /NDF: 110.0/5

# reg\_asym\_atr1\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-169.591+/-0.173  $\chi^2/\text{NDF}$ : 16551.5/6

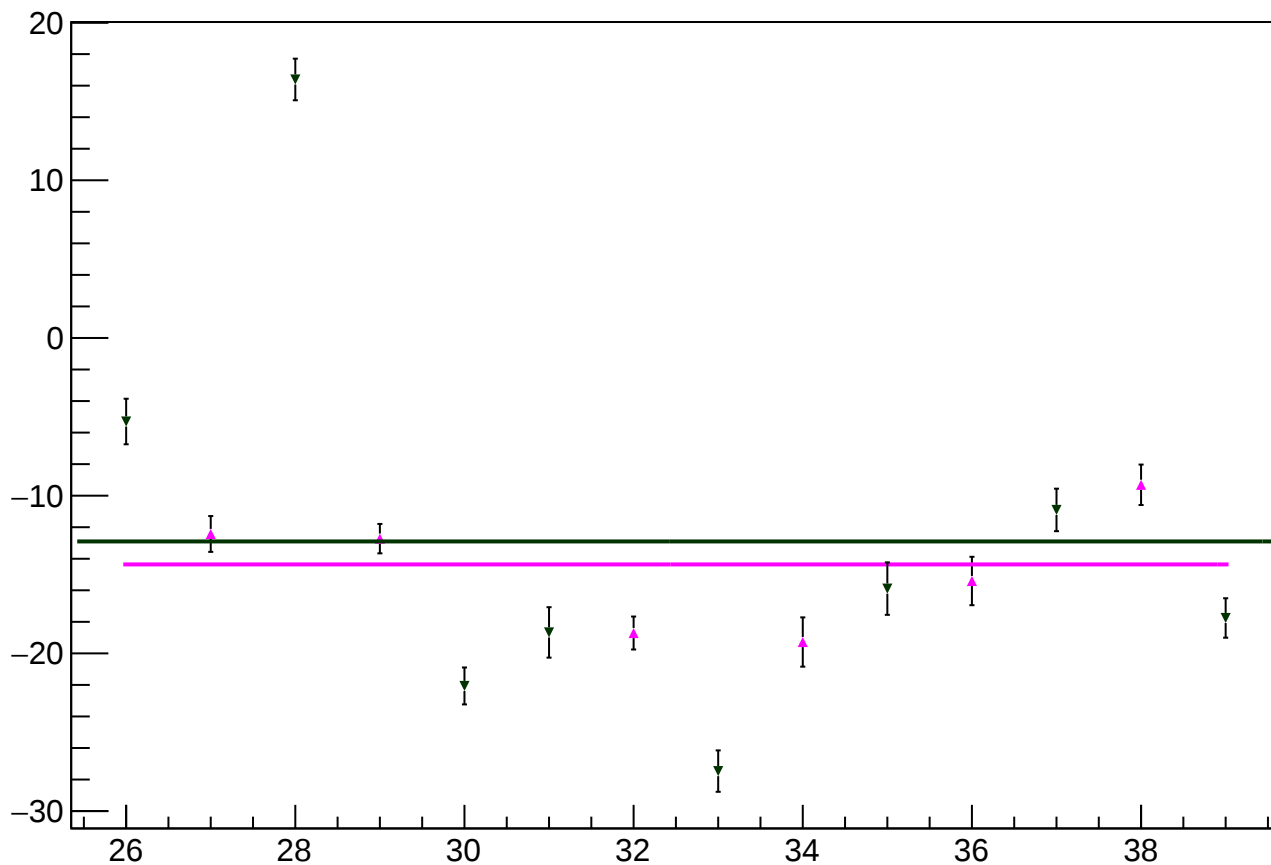
Left Out: -169.591+/-0.173  $\chi^2/\text{NDF}$ : 16551.5/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-178.249+/-0.185  $\chi^2/\text{NDF}$ : 15855.5/5

Left In: -178.249+/-0.185  $\chi^2/\text{NDF}$ : 15855.5/5

# reg\_asym\_atl1\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -12.902+/-0.482  $\chi^2/\text{NDF}$ : 738.5/7

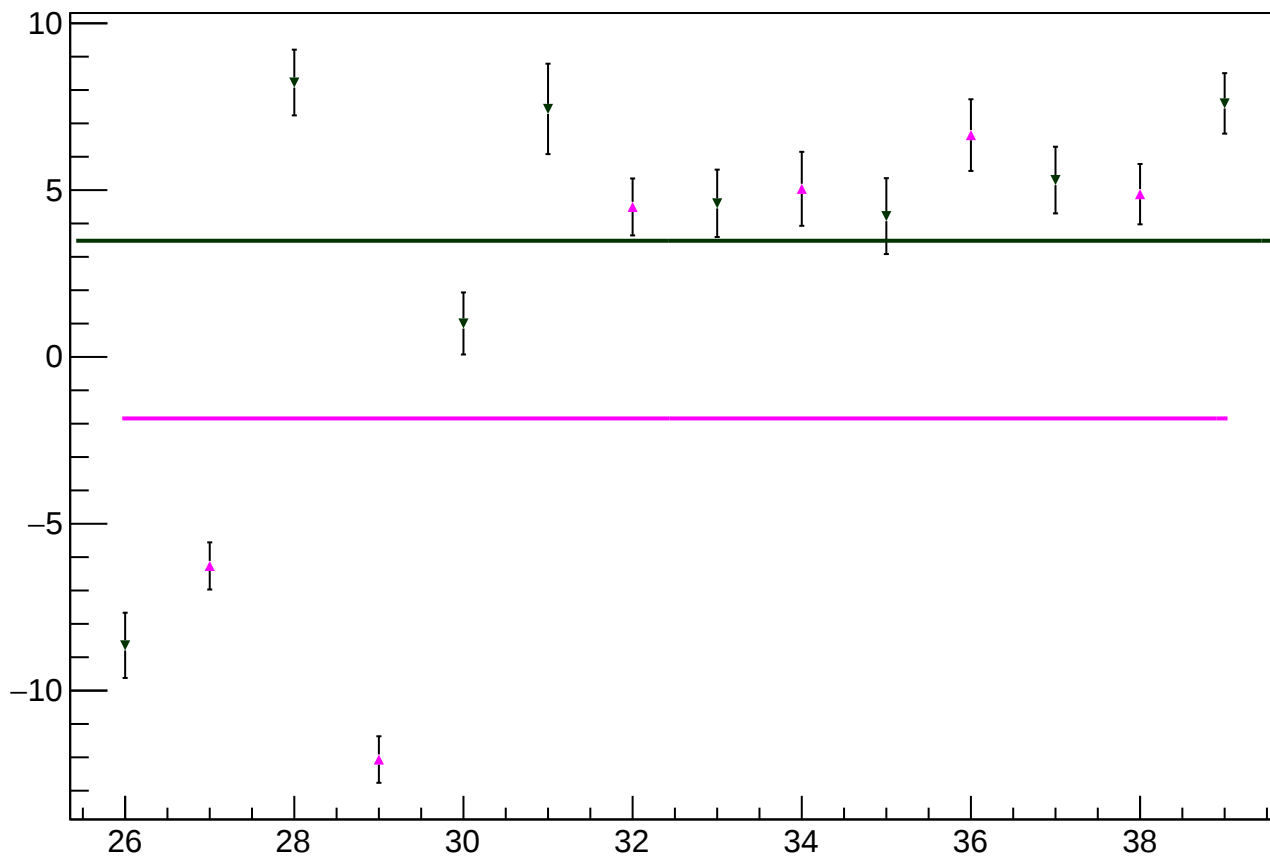
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -14.359+/-0.483  $\chi^2/\text{NDF}$ : 49.2/5

-12.902+/-0.482  $\chi^2/\text{NDF}$ : 738.5/7

-14.359+/-0.483  $\chi^2/\text{NDF}$ : 49.2/5

# reg\_asym\_atl1\_diff\_bpm4aY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 3.483 $\pm$ 0.359  $\chi^2$ /NDF:218.2/7

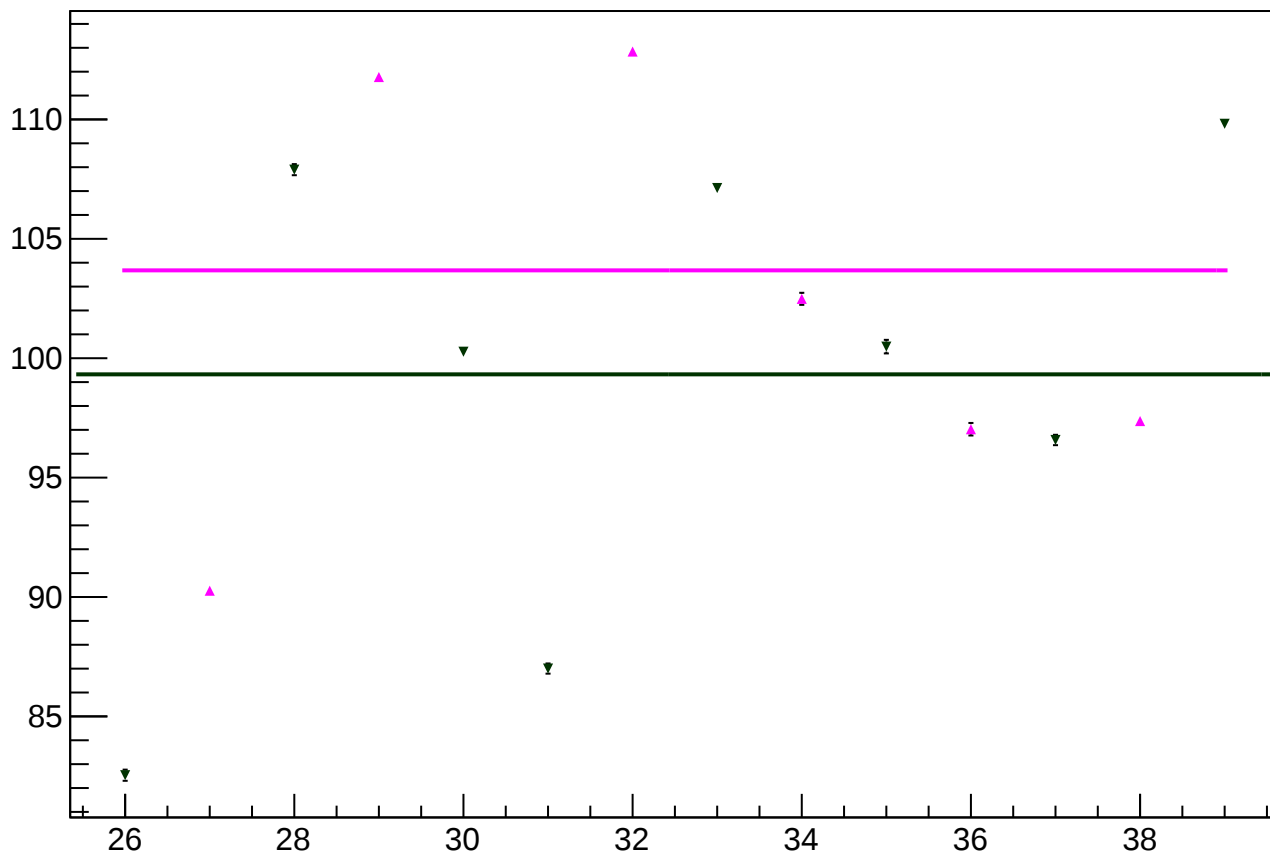
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -1.843 $\pm$ 0.346  $\chi^2$ /NDF:465.6/5

3.483 $\pm$ 0.359  $\chi^2$ /NDF: 218.2/7

-1.843 $\pm$ 0.346  $\chi^2$ /NDF: 465.6/5

# reg\_asym\_atl1\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 99.325+/-0.078  $\chi^2/\text{NDF}$ :14126.3/7

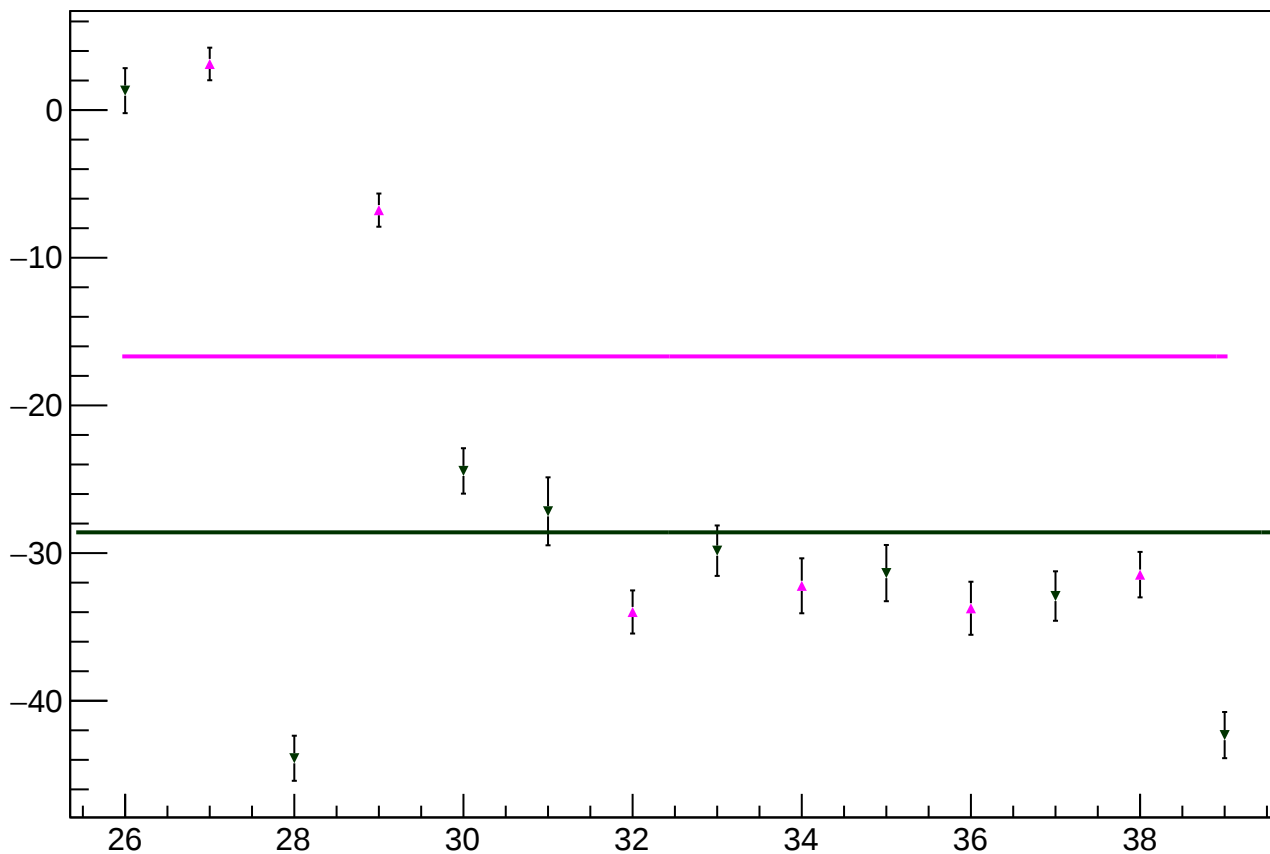
99.325+/-0.078  $\chi^2/\text{NDF}$ : 14126.3/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 103.680+/-0.082  $\chi^2/\text{NDF}$ :11225.4/5

103.680+/-0.082  $\chi^2/\text{NDF}$ : 11225.4/5

# reg\_asym\_atl1\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -28.594+/-0.592  $\chi^2/\text{NDF}$ : 579.8/7

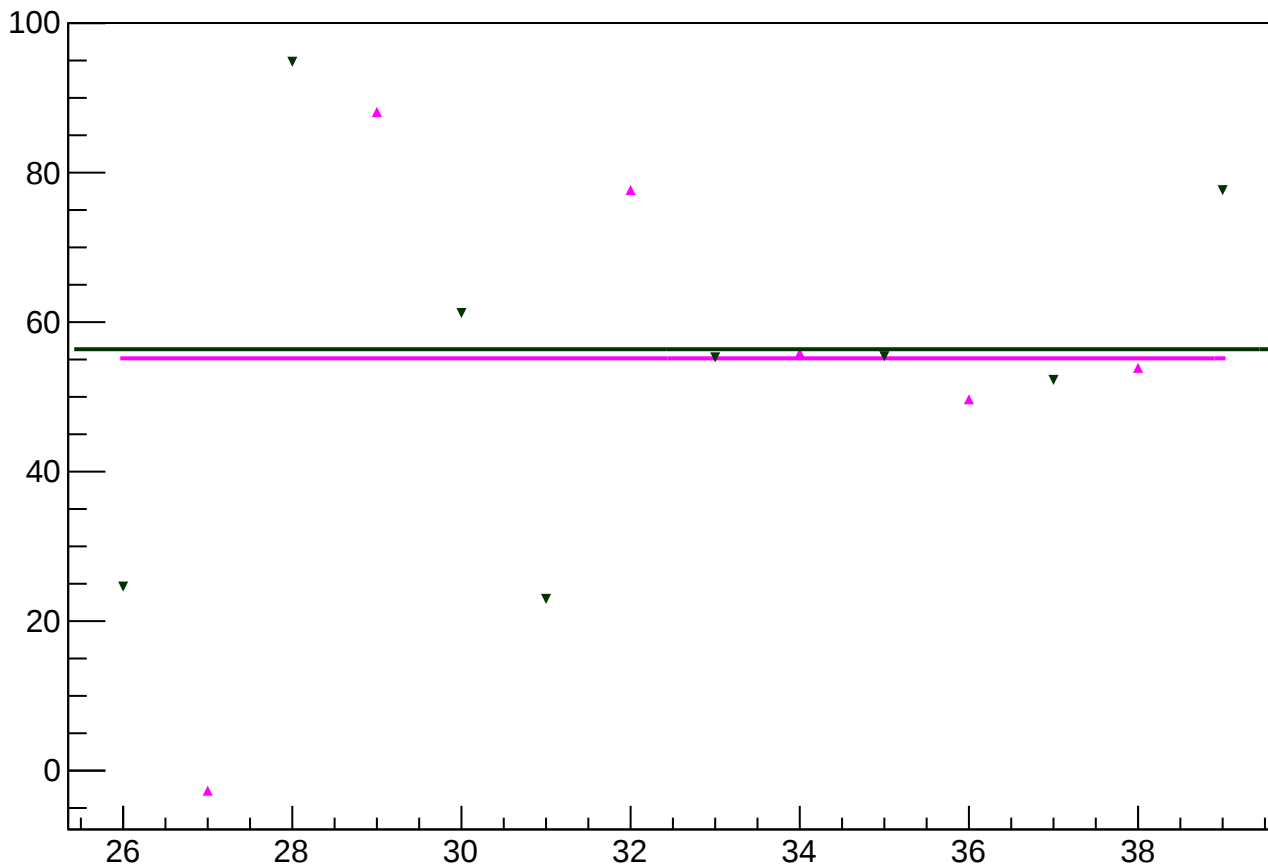
-28.594+/-0.592  $\chi^2/\text{NDF}$ : 579.8/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-16.682+/-0.568  $\chi^2/\text{NDF}$ : 792.4/5

Left In: -16.682+/-0.568  $\chi^2/\text{NDF}$ : 792.4/5

# reg\_asym\_atl1\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 56.377+/-0.102  $\chi^2/\text{NDF}$ : 46996.9/7

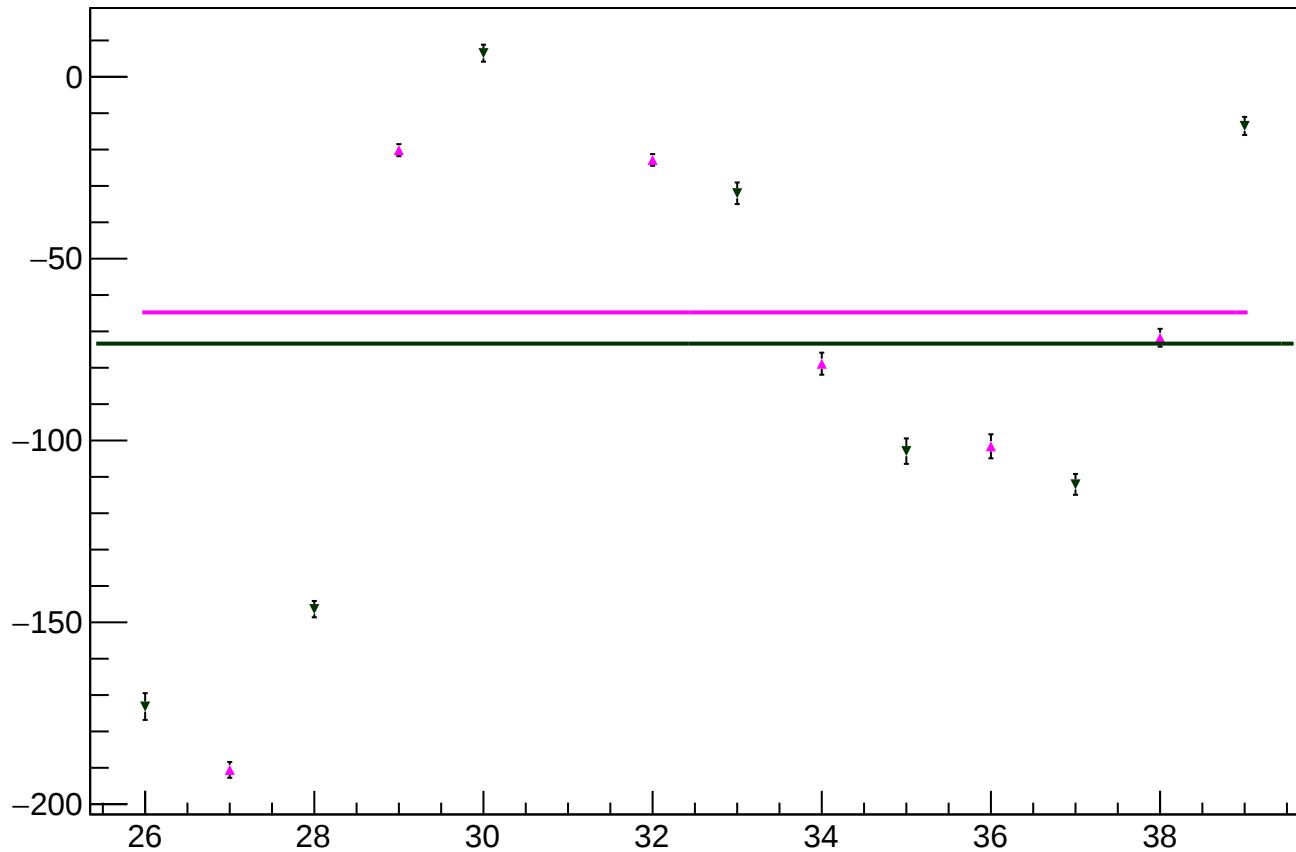
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 55.158+/-0.120  $\chi^2/\text{NDF}$ : 63943.9/5

56.377+/-0.102  $\chi^2/\text{NDF}$ : 46996.9/7

55.158+/-0.120  $\chi^2/\text{NDF}$ : 63943.9/5

# reg\_asym\_atr2\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -73.361+/-1.036  $\chi^2/\text{NDF}$ : 3977.4/6

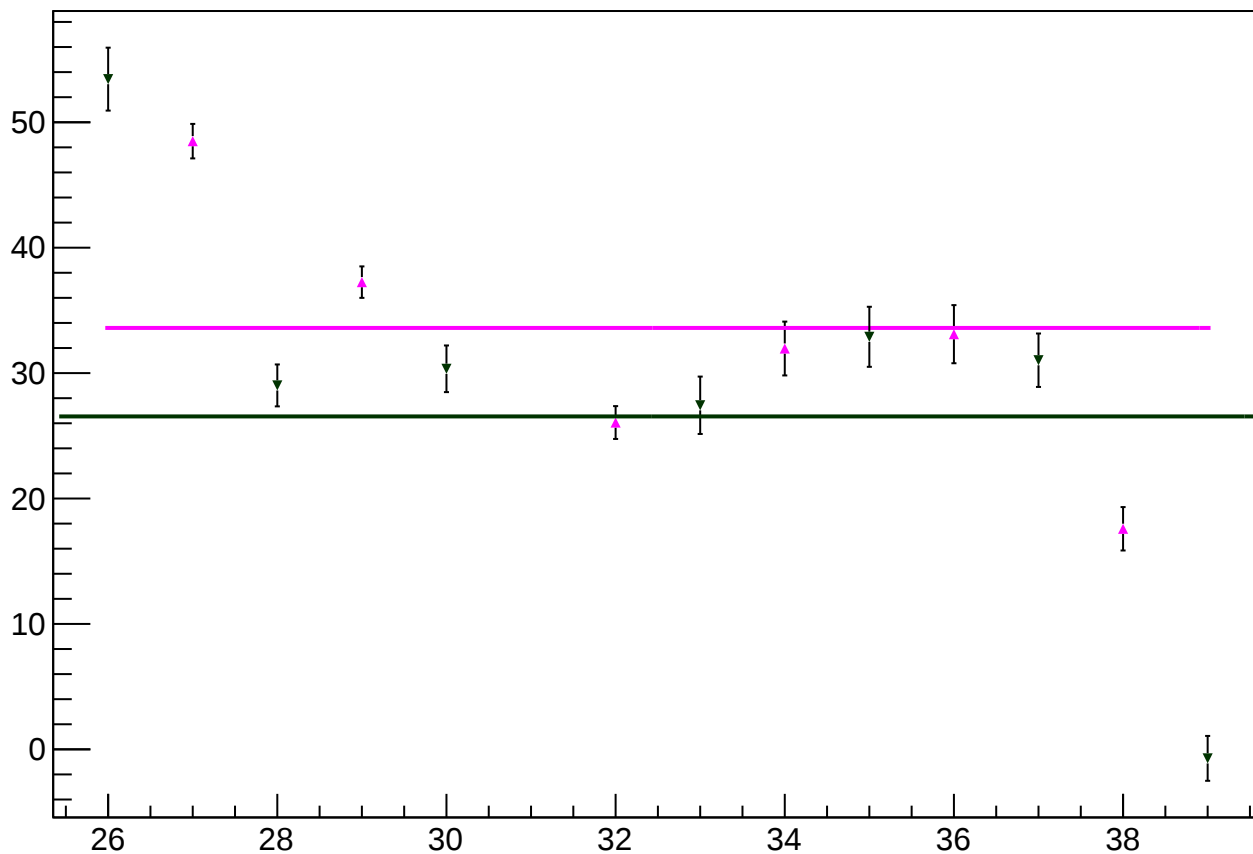
-73.361+/-1.036  $\chi^2/\text{NDF}$ : 3977.4/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-64.779+/-0.866  $\chi^2/\text{NDF}$ : 4906.4/5

Left In: -64.779+/-0.866  $\chi^2/\text{NDF}$ : 4906.4/5

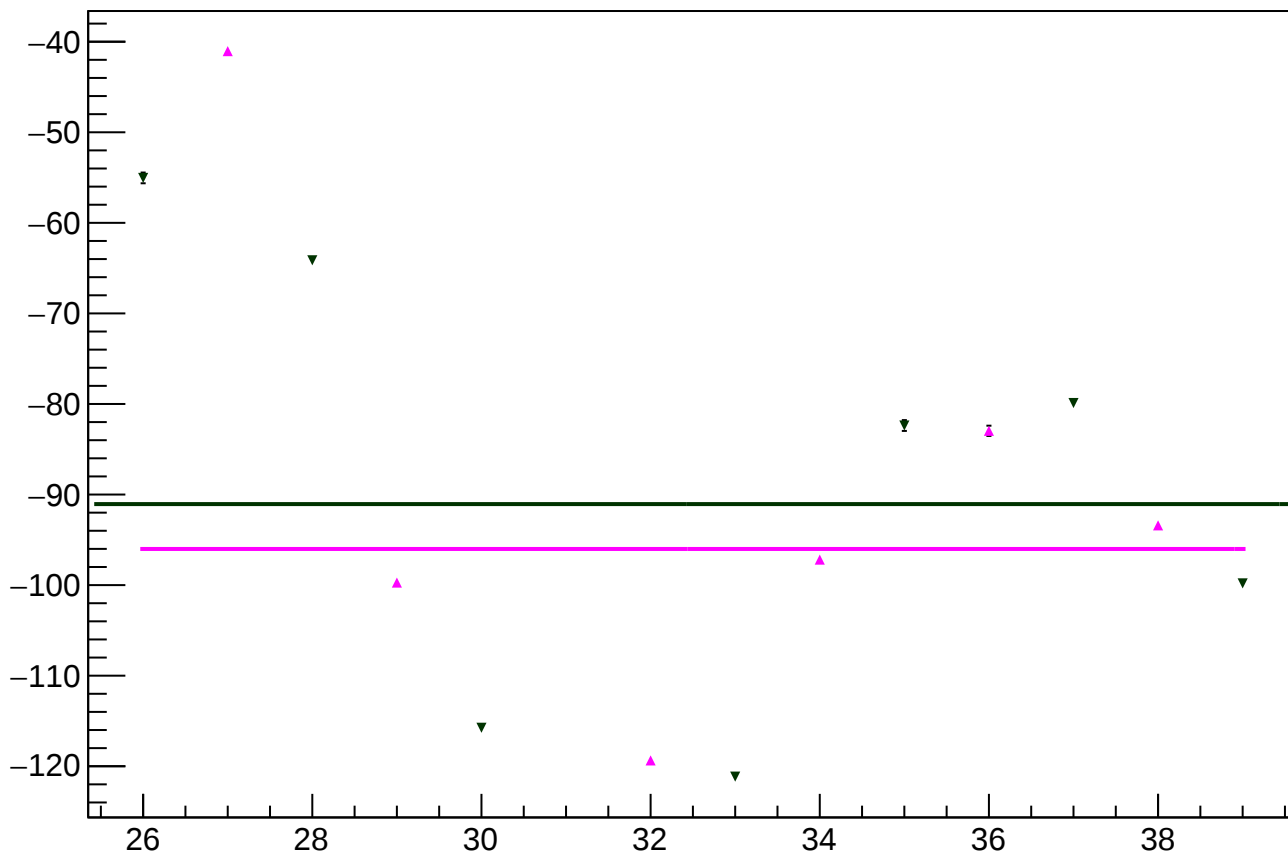
# reg\_asym\_atr2\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 26.546+/-0.766  $\chi^2/\text{NDF}$ :365.2/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 33.602+/-0.634  $\chi^2/\text{NDF}$ :245.2/5

26.546+/-0.766  $\chi^2/\text{NDF}$ : 365.2/6  
 33.602+/-0.634  $\chi^2/\text{NDF}$ : 245.2/5

# reg\_asym\_atr2\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -91.054+/-0.170  $\chi^2/\text{NDF}$ :18098.5/6

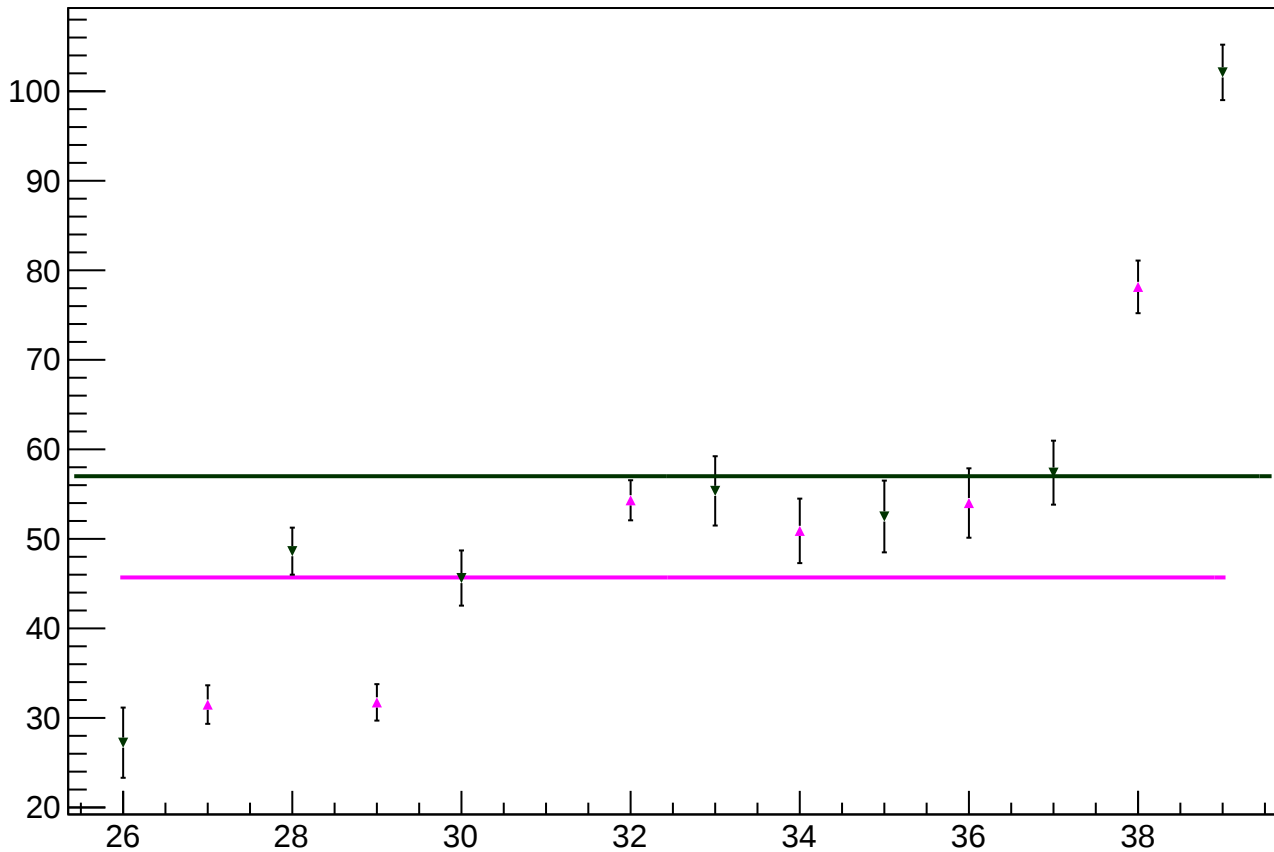
-91.054+/-0.170  $\chi^2/\text{NDF}$ : 18098.5/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-96.009+/-0.146  $\chi^2/\text{NDF}$ : 30492.4/5

Left In: -96.009+/-0.146  $\chi^2/\text{NDF}$ :30492.4/5

# reg\_asym\_atr2\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 56.999+/-1.263  $\chi^2/\text{NDF}$ :295.1/6

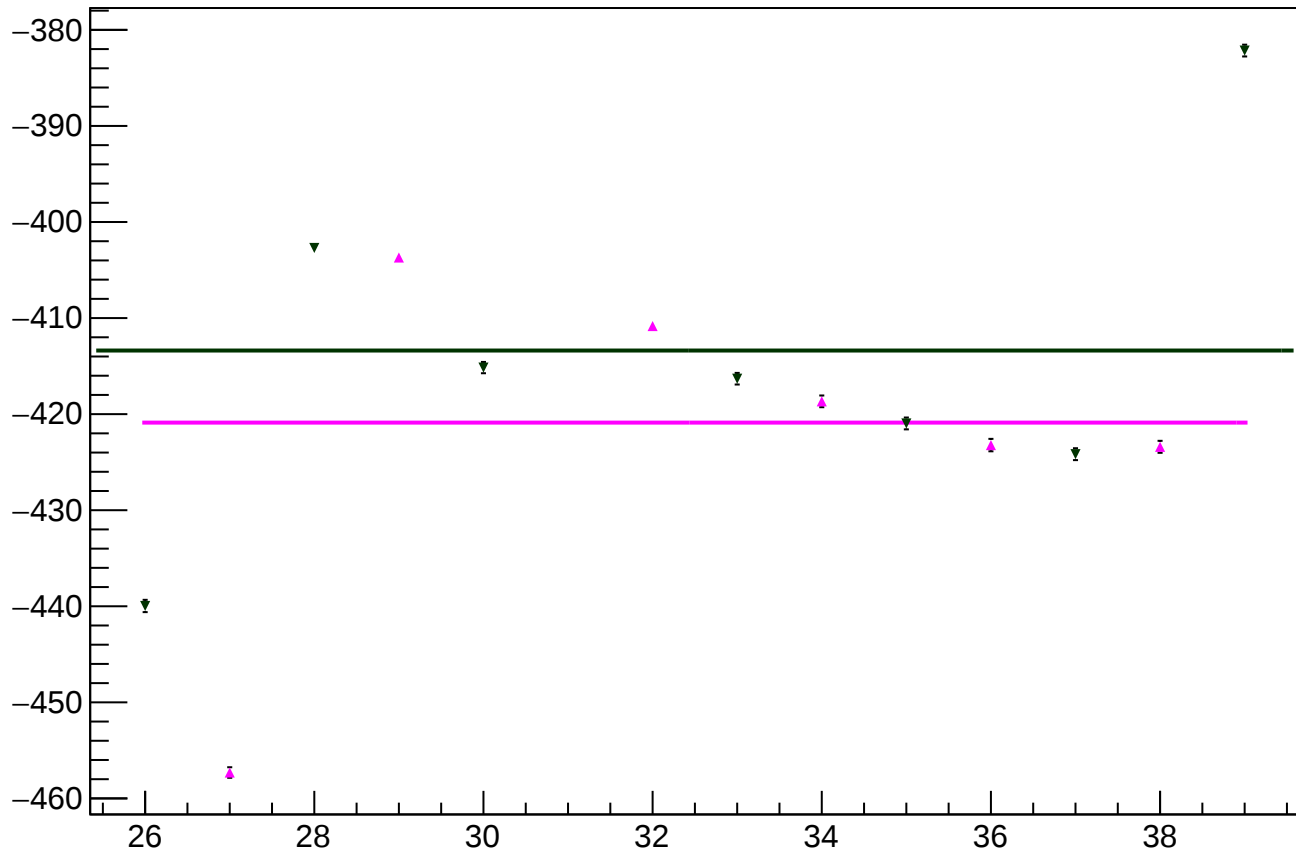
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 45.691+/-1.045  $\chi^2/\text{NDF}$ :234.0/5

56.999+/-1.263  $\chi^2/\text{NDF}$ : 295.1/6

45.691+/-1.045  $\chi^2/\text{NDF}$ : 234.0/5

# reg\_asym\_atr2\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -413.378+/-0.224  $\chi^2/\text{NDF}$ : 5255.4/6

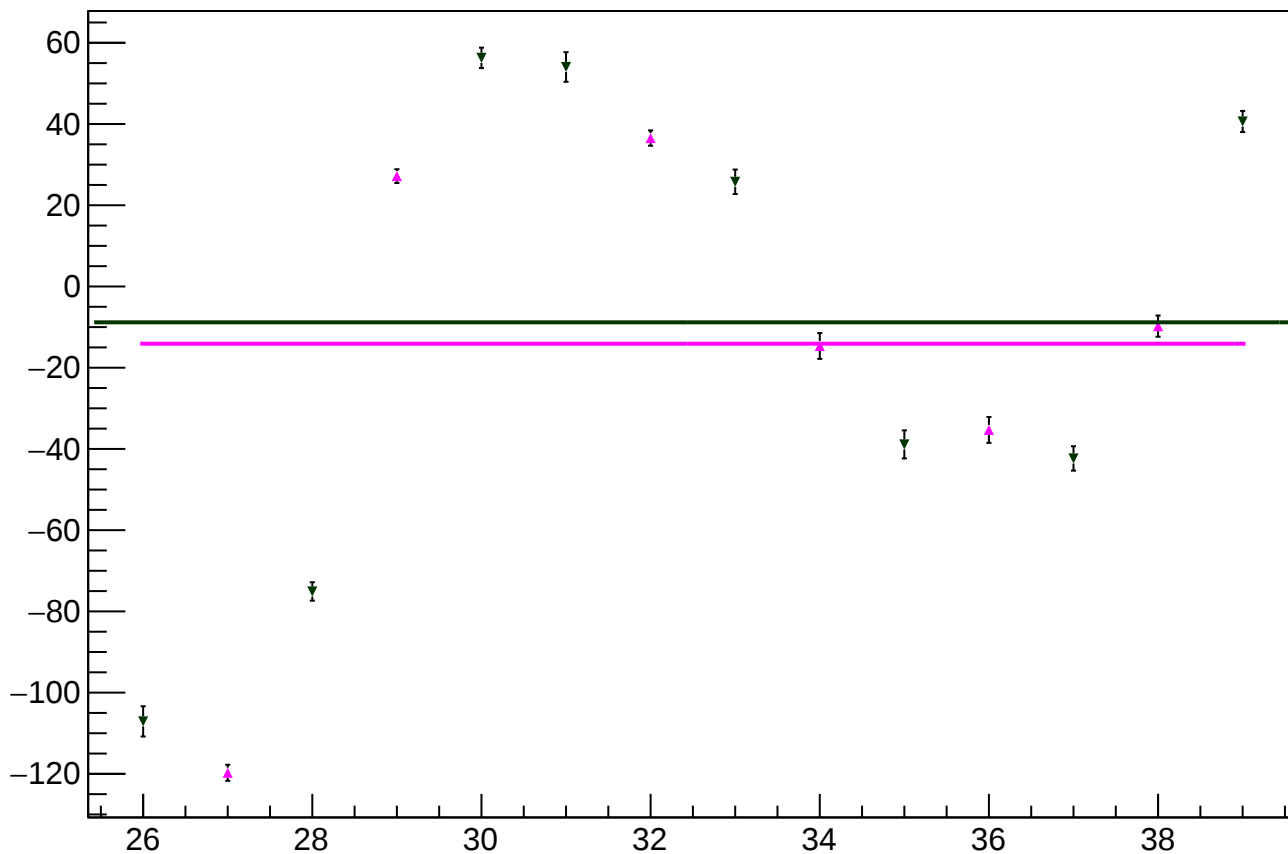
-413.378+/-0.224  $\chi^2/\text{NDF}$ : 5255.4/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-420.882+/-0.222  $\chi^2/\text{NDF}$ : 6283.3/5

Left In: -420.882+/-0.222  $\chi^2/\text{NDF}$ : 6283.3/5

# reg\_asym\_atl2\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -8.825+/-1.025  $\chi^2/\text{NDF}$ : 3209.8/7

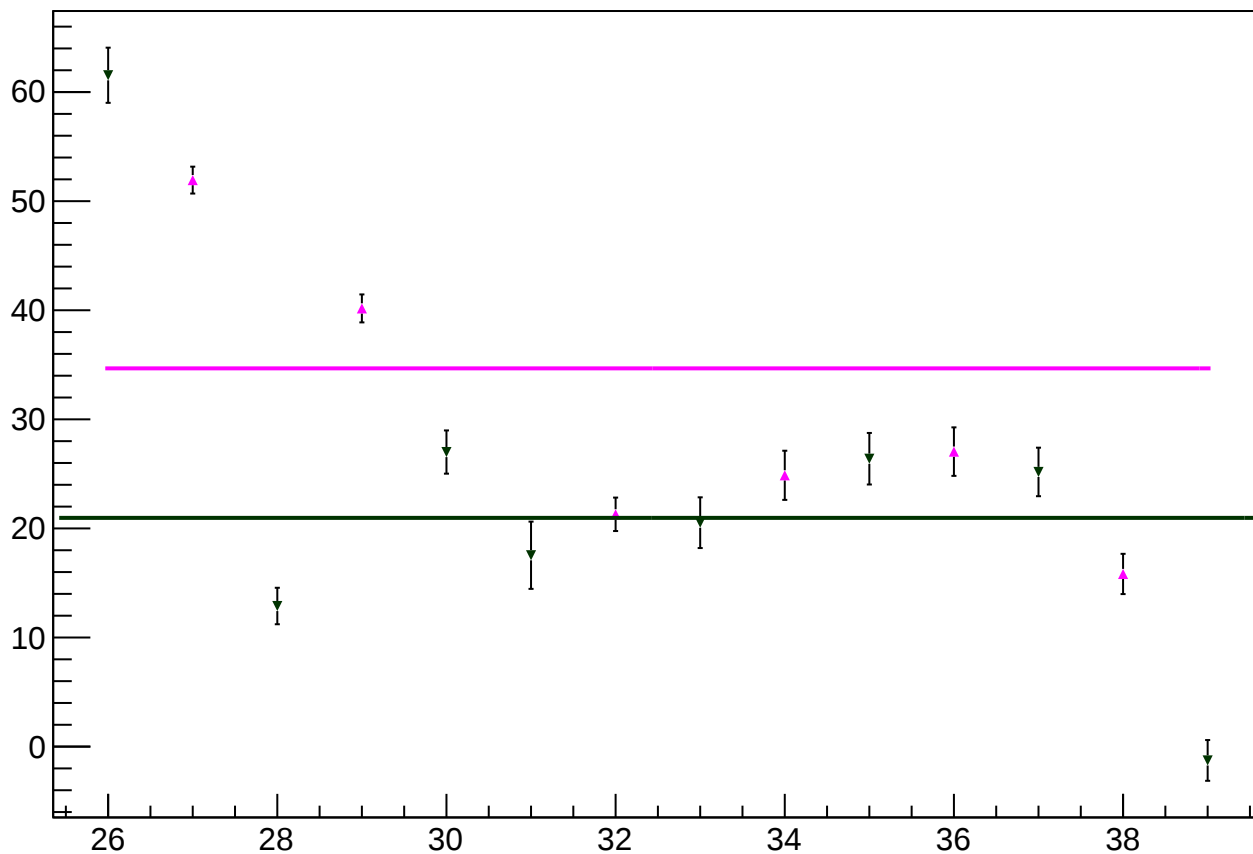
-8.825+/-1.025  $\chi^2/\text{NDF}$ : 3209.8/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-14.089+/-0.902  $\chi^2/\text{NDF}$ : 4227.1/5

Left In: -14.089+/-0.902  $\chi^2/\text{NDF}$ : 4227.1/5

# reg\_asym\_atl2\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 20.967+/-0.761  $\chi^2/\text{NDF}$ : 441.9/7

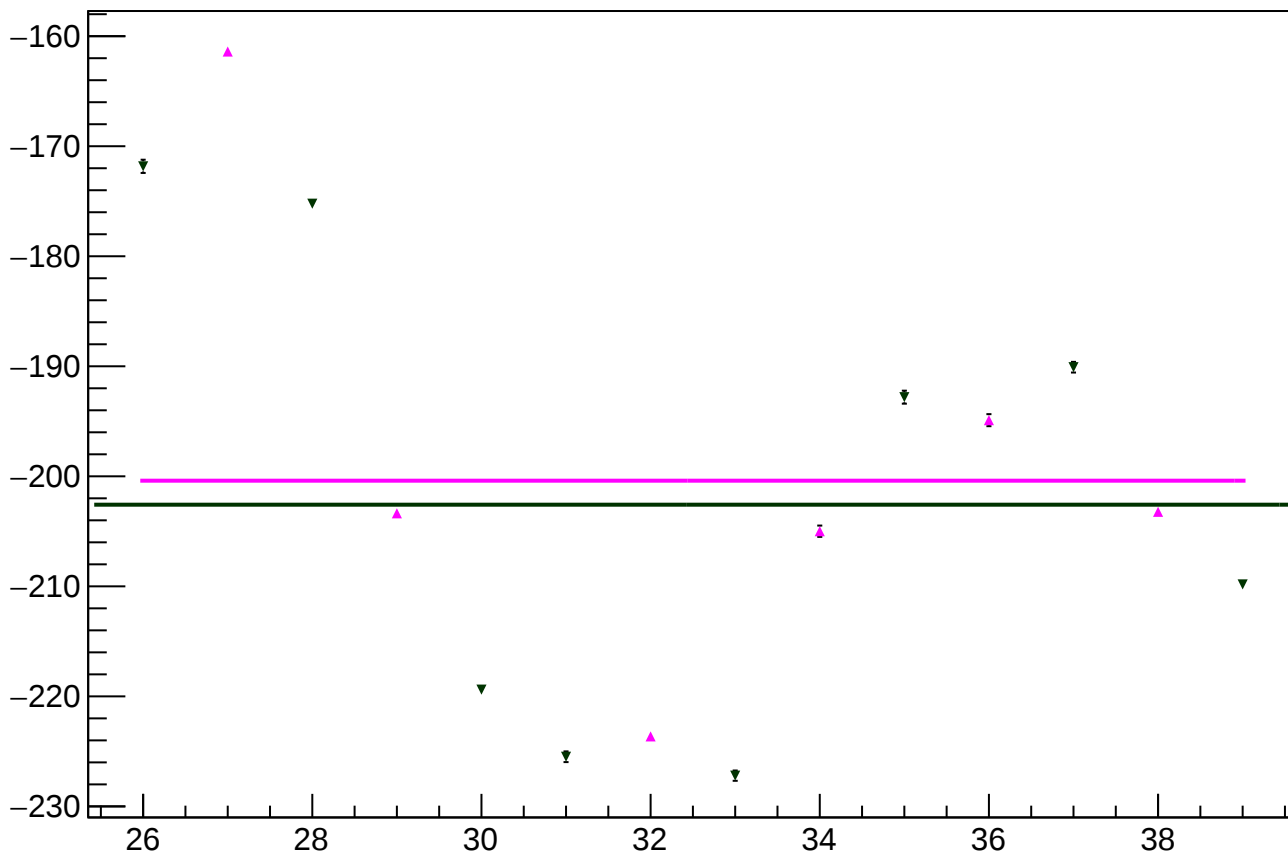
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 34.672+/-0.647  $\chi^2/\text{NDF}$ : 425.7/5

20.967+/-0.761  $\chi^2/\text{NDF}$ : 441.9/7

34.672+/-0.647  $\chi^2/\text{NDF}$ : 425.7/5

# reg\_asym\_atl2\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -202.579+/-0.167  $\chi^2/\text{NDF}$ :15135.9/7

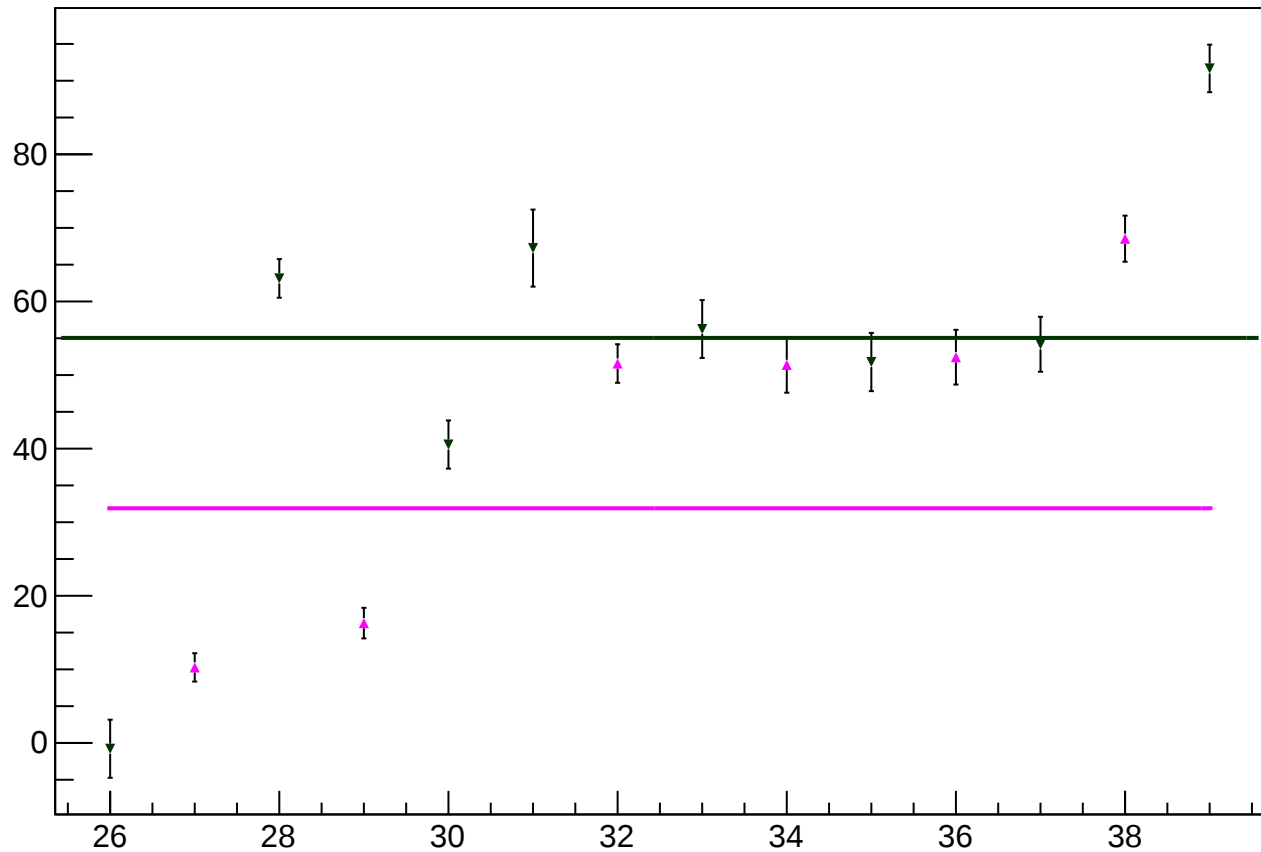
-202.579+/-0.167  $\chi^2/\text{NDF}$ : 15135.9/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-200.398+/-0.154  $\chi^2/\text{NDF}$ : 19109.1/5

Left In: -200.398+/-0.154  $\chi^2/\text{NDF}$ :19109.1/5

# reg\_asym\_atl2\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 55.048+/-1.255  $\chi^2/\text{NDF}$ : 363.9/7

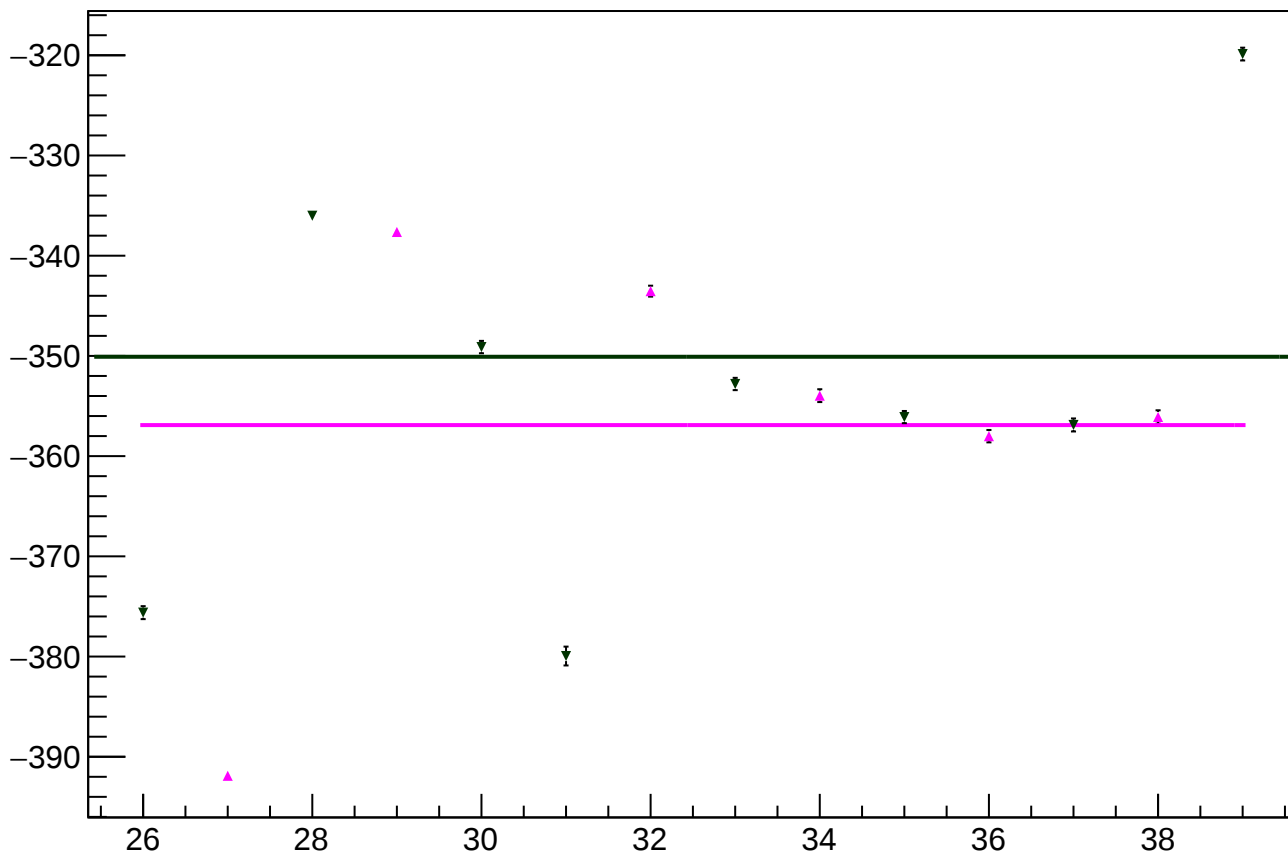
55.048+/-1.255  $\chi^2/\text{NDF}$ : 363.9/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

31.892+/-1.059  $\chi^2/\text{NDF}$ : 432.7/5

Left In: 31.892+/-1.059  $\chi^2/\text{NDF}$ : 432.7/5

# reg\_asym\_atl2\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -350.085+/-0.221  $\chi^2/\text{NDF}$ : 5844.5/7

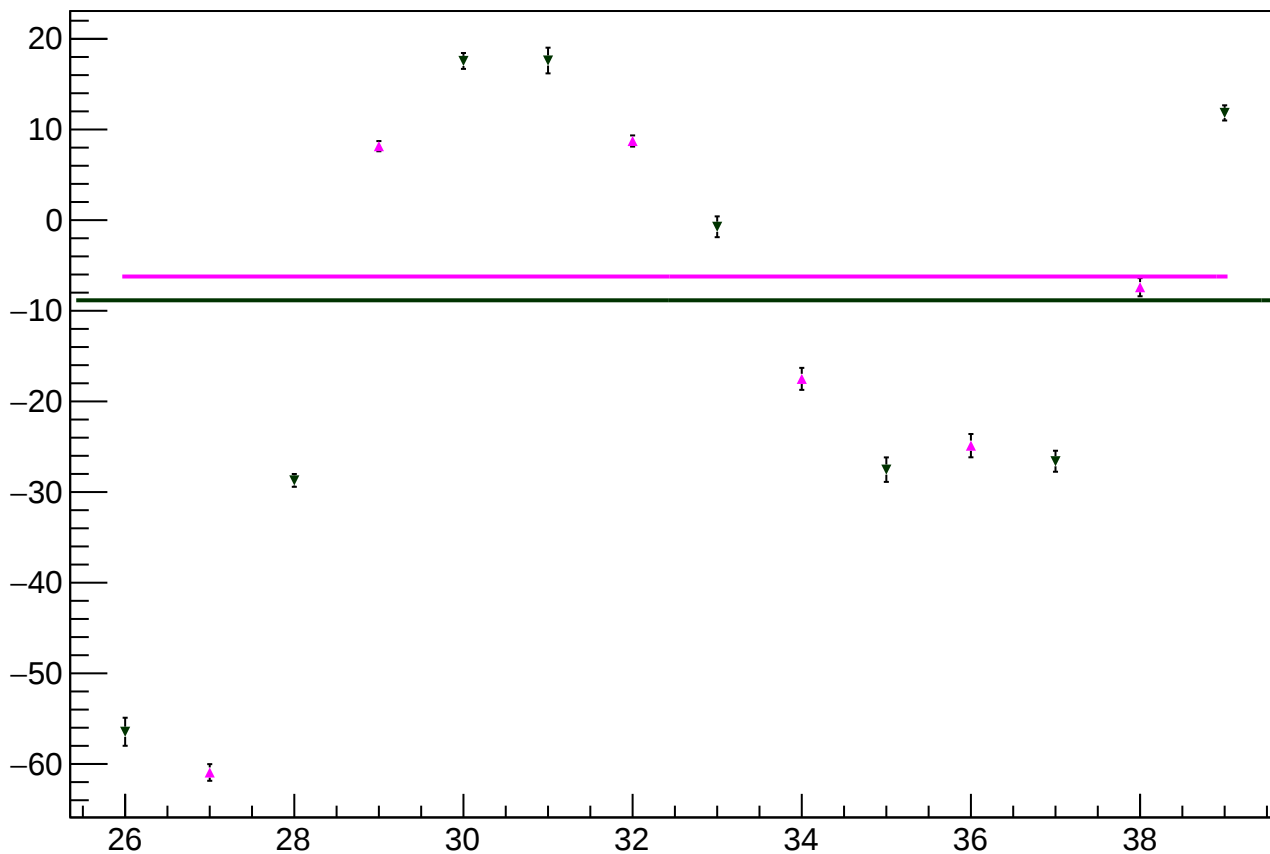
-350.085+/-0.221  $\chi^2/\text{NDF}$ : 5844.5/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -356.903+/-0.228  $\chi^2/\text{NDF}$ : 7216.5/5

-356.903+/-0.228  $\chi^2/\text{NDF}$ : 7216.5/5

# reg\_asym\_atl\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -8.844+/-0.361  $\chi^2/\text{NDF}$ : 4074.7/7

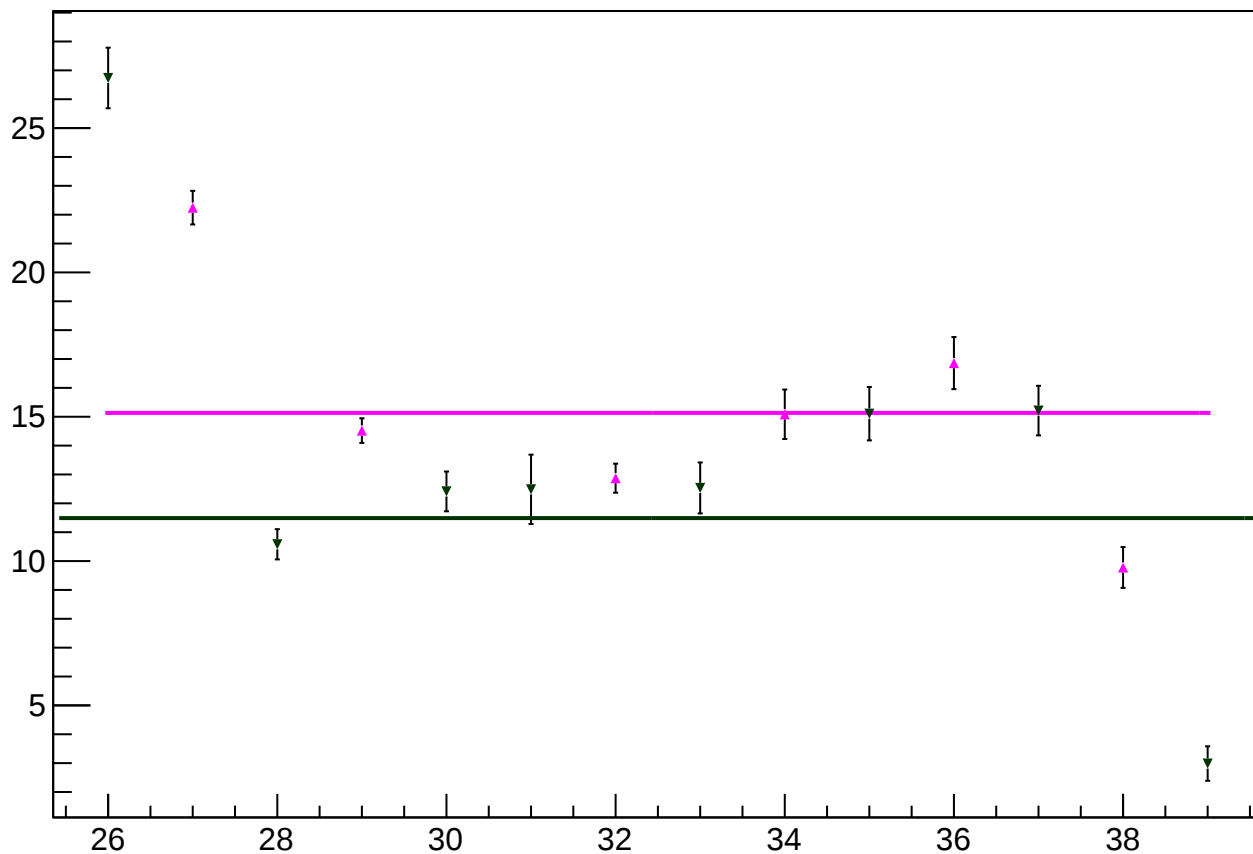
-8.844+/-0.361  $\chi^2/\text{NDF}$ : 4074.7/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-6.220+/-0.329  $\chi^2/\text{NDF}$ : 5085.9/5

Left In: -6.220+/-0.329  $\chi^2/\text{NDF}$ : 5085.9/5

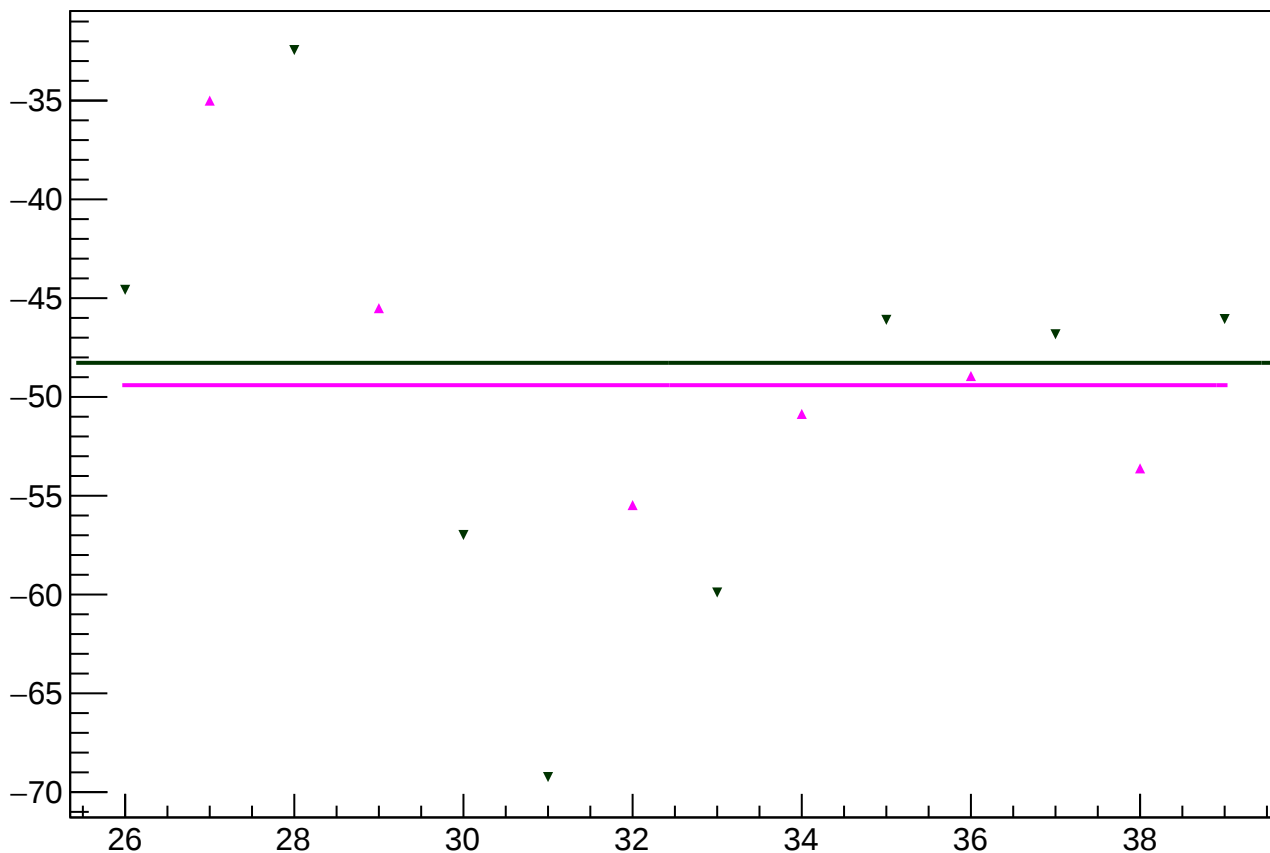
# reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 11.489+/-0.268  $\chi^2/\text{NDF}$ : 454.3/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 15.133+/-0.243  $\chi^2/\text{NDF}$ : 232.3/5

11.489+/-0.268  $\chi^2/\text{NDF}$ : 454.3/7  
 15.133+/-0.243  $\chi^2/\text{NDF}$ : 232.3/5

# reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -48.273+/-0.059  $\chi^2/\text{NDF}$ : 37436.3/7

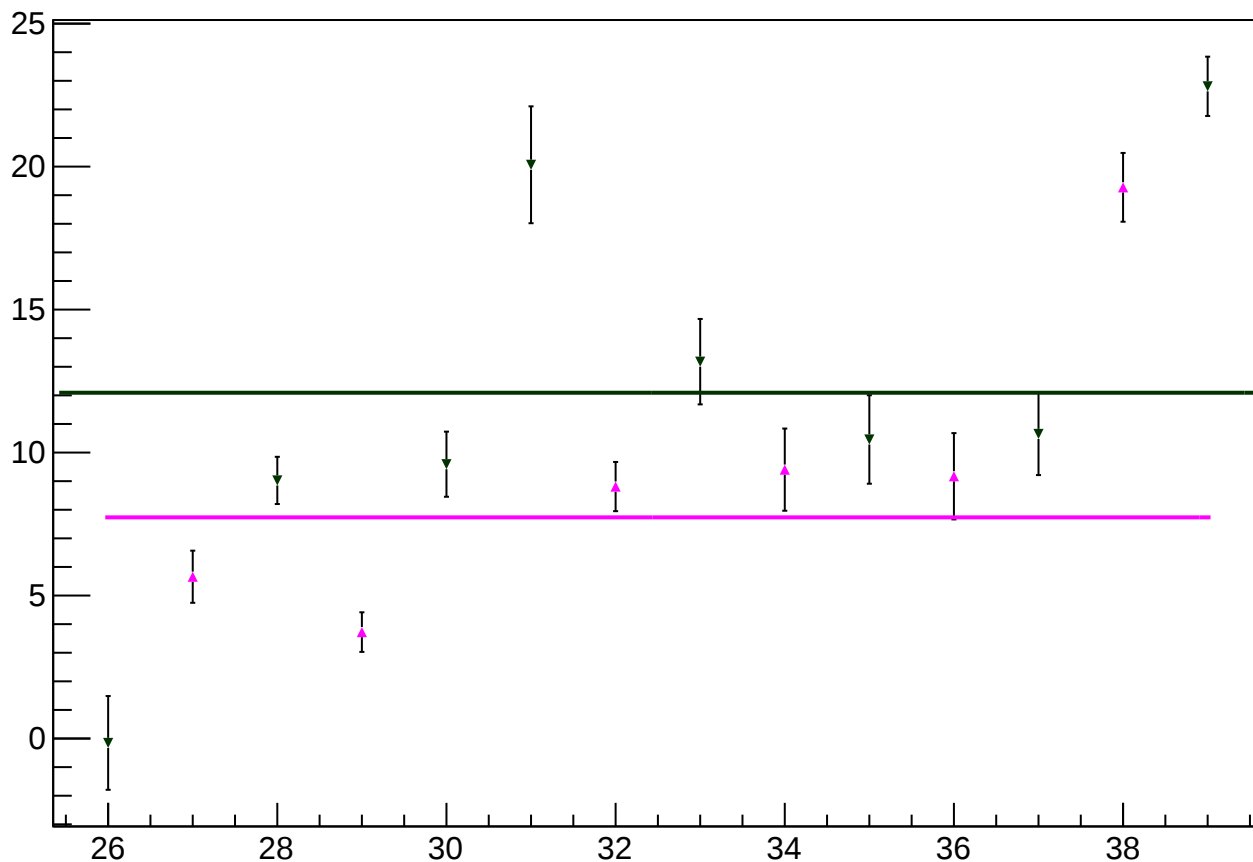
-48.273+/-0.059  $\chi^2/\text{NDF}$ : 37436.3/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -49.404+/-0.056  $\chi^2/\text{NDF}$ : 14114.4/5

-49.404+/-0.056  $\chi^2/\text{NDF}$ : 14114.4/5

# reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 12.092 $\pm$ 0.442  $\chi^2$ /NDF:199.1/7

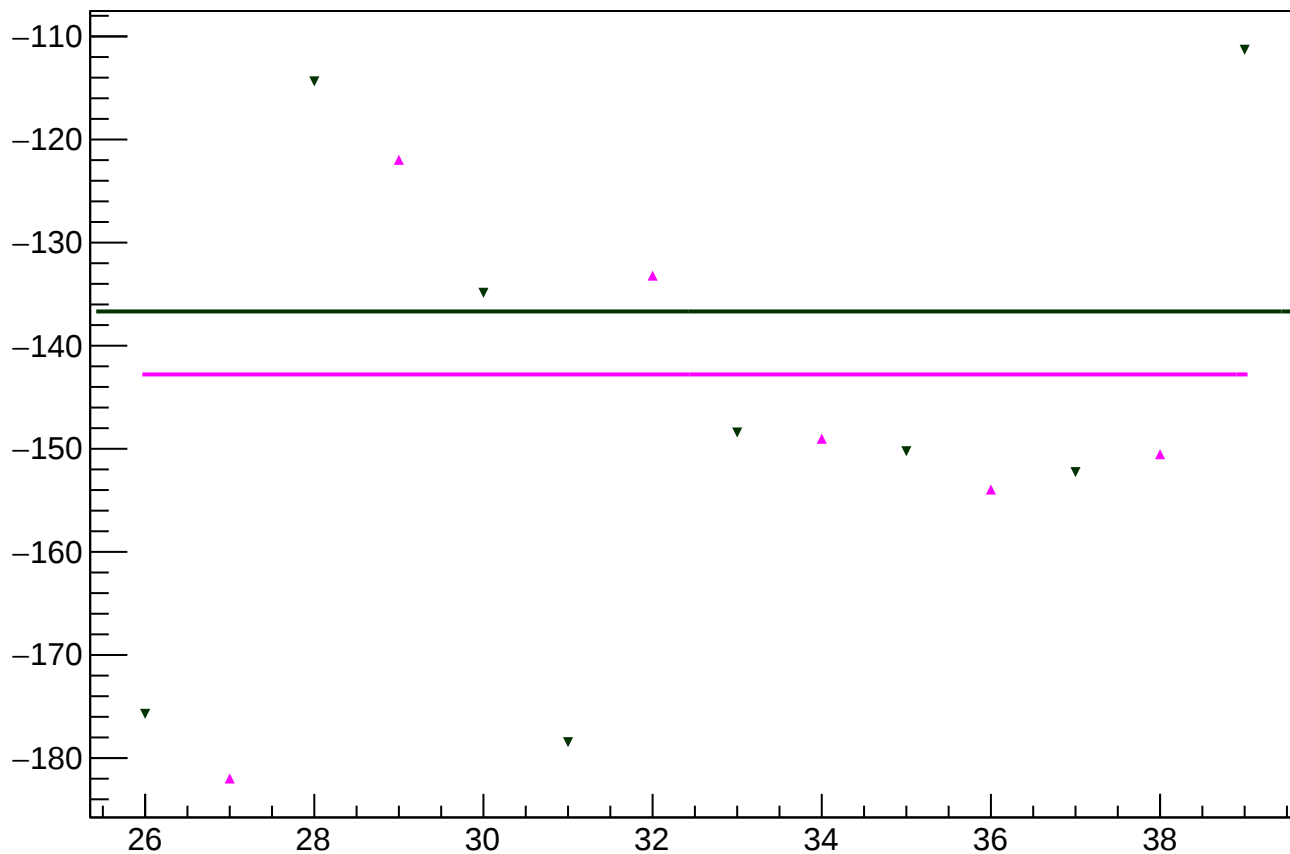
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 7.734 $\pm$ 0.400  $\chi^2$ /NDF:134.7/5

12.092 $\pm$ 0.442  $\chi^2$ /NDF: 199.1/7

7.734 $\pm$ 0.400  $\chi^2$ /NDF: 134.7/5

# reg\_asym\_atl\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -136.677+/-0.079  $\chi^2/\text{NDF}$ : 79412.1/7

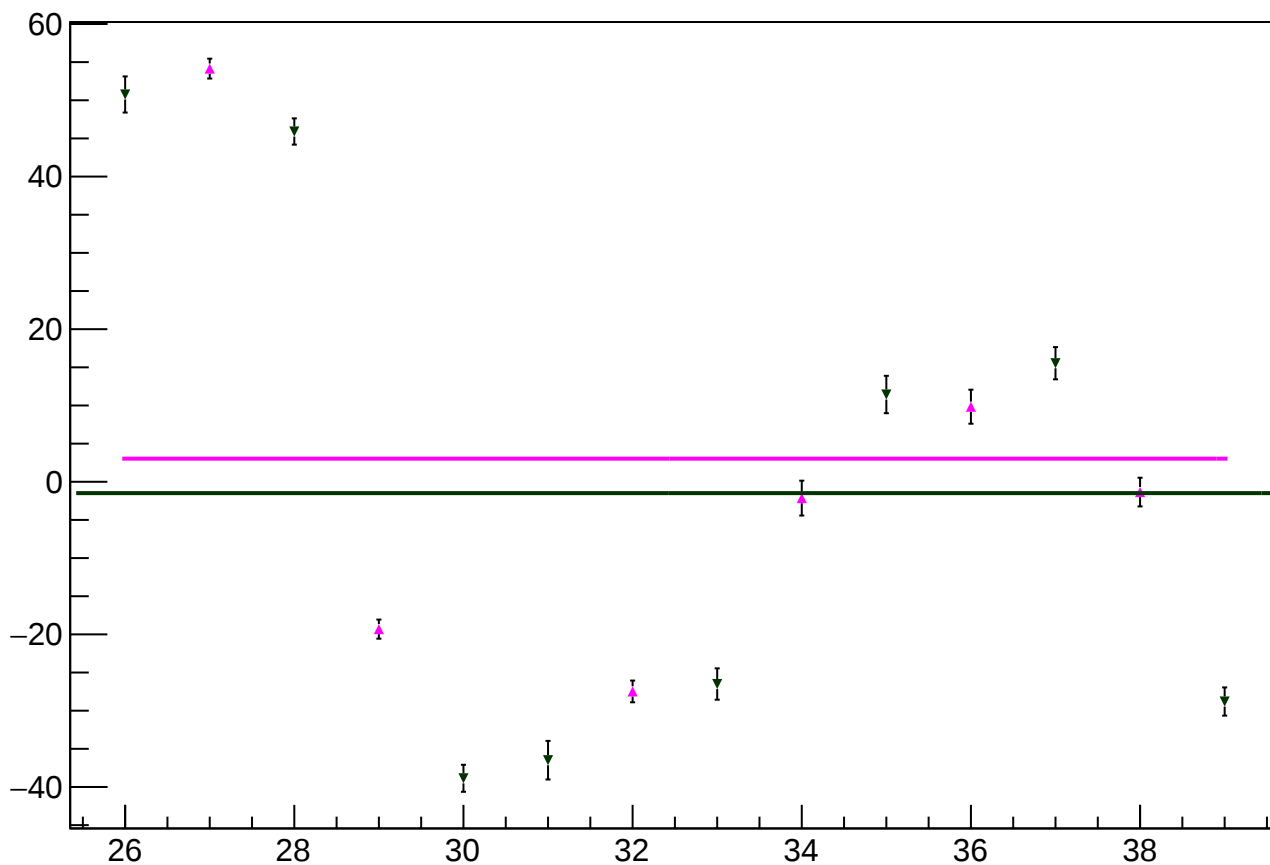
-136.677+/-0.079  $\chi^2/\text{NDF}$ : 79412.1/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-142.787+/-0.085  $\chi^2/\text{NDF}$ : 53633.0/5

Left In: -142.787+/-0.085  $\chi^2/\text{NDF}$ : 53633.0/5

reg\_asym\_atl\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -1.487+/-0.723  $\chi^2/\text{NDF}$ : 2342.8/7

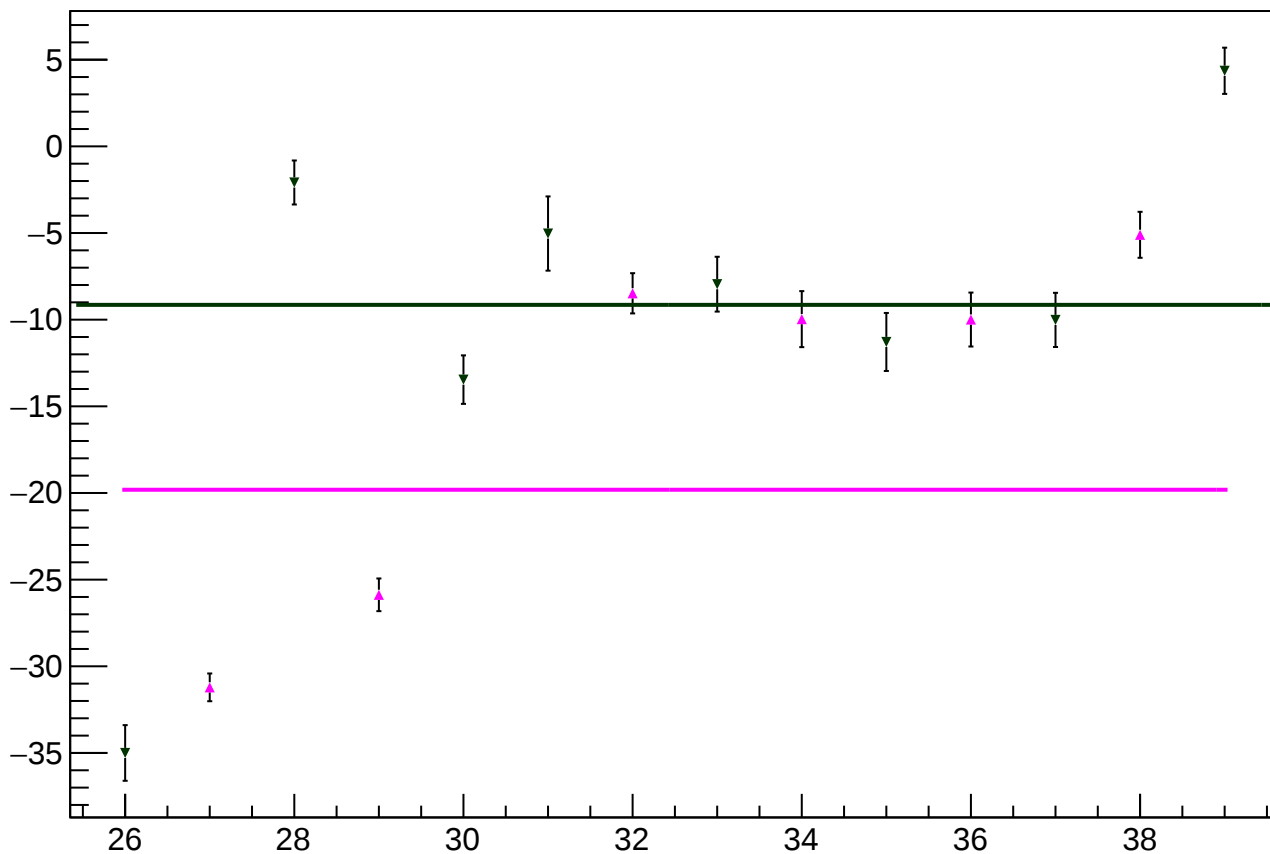
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3.030+/-0.646  $\chi^2/\text{NDF}$ : 2341.0/5

-1.487+/-0.723  $\chi^2/\text{NDF}$ : 2342.8/7

3.030+/-0.646  $\chi^2/\text{NDF}$ : 2341.0/5

# reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -9.145+/-0.537  $\chi^2/\text{NDF}$ : 408.3/7

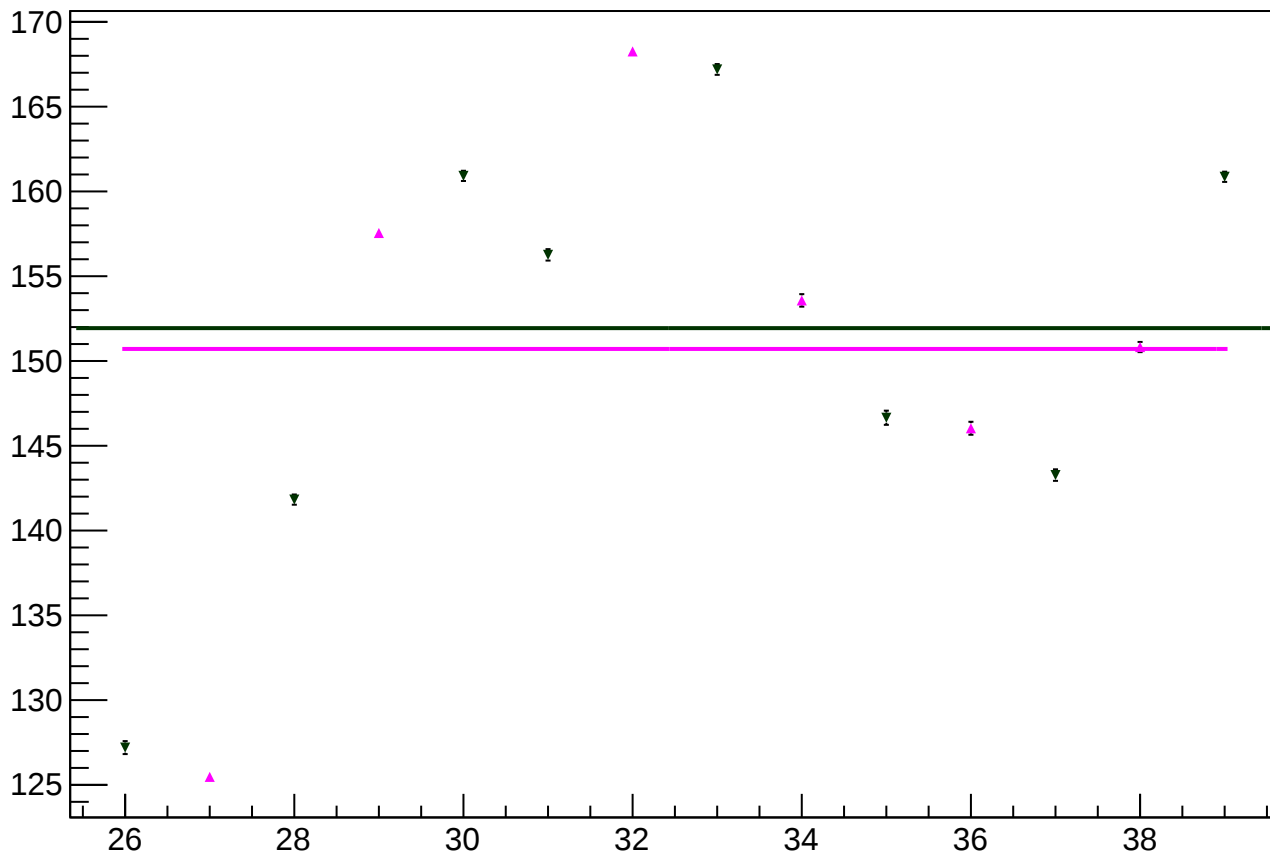
-9.145+/-0.537  $\chi^2/\text{NDF}$ : 408.3/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-19.813+/-0.457  $\chi^2/\text{NDF}$ : 539.4/5

Left In: -19.813+/-0.457  $\chi^2/\text{NDF}$ : 539.4/5

# reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 151.938+/-0.117  $\chi^2/\text{NDF}$ :10322.1/7

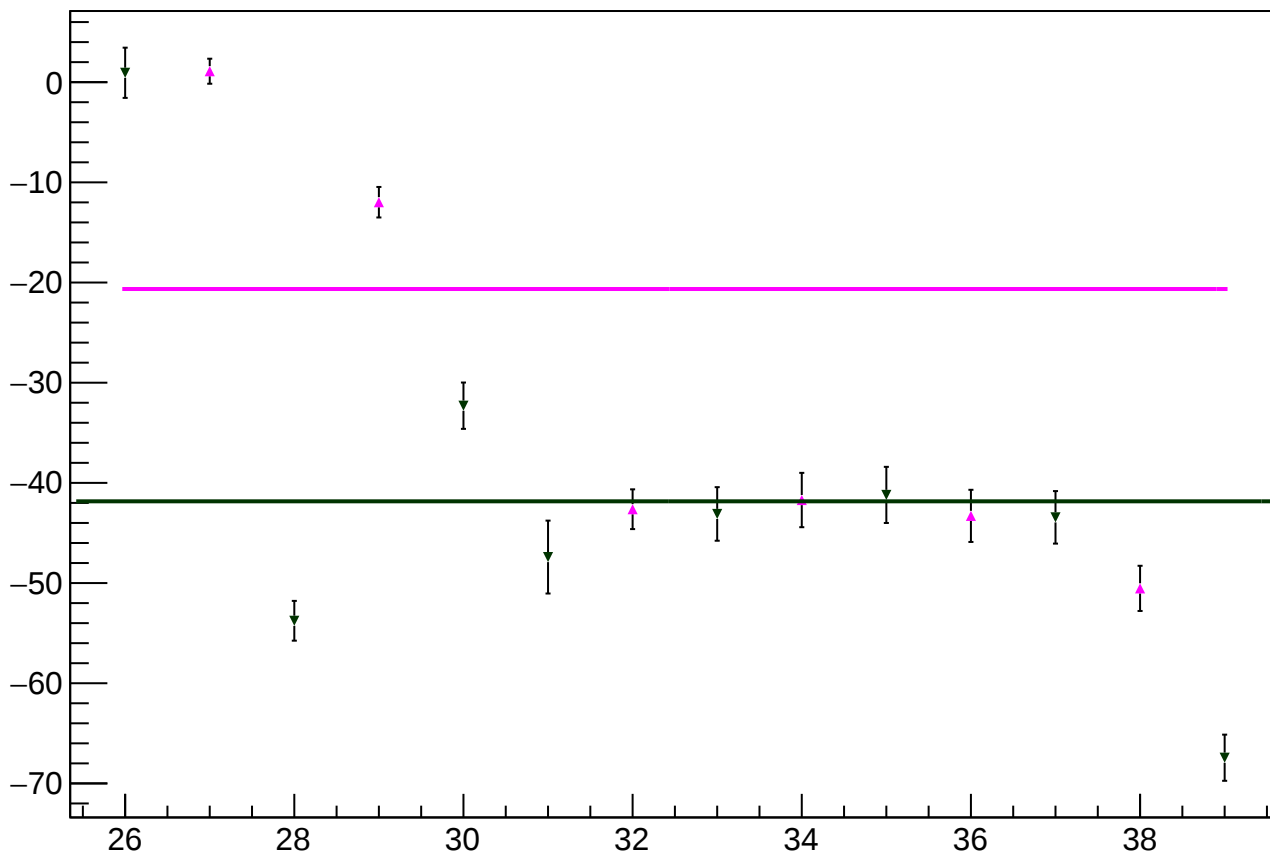
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 150.711+/-0.111  $\chi^2/\text{NDF}$ :19146.1/5

151.938+/-0.117  $\chi^2/\text{NDF}$ : 10322.1/7

150.711+/-0.111  $\chi^2/\text{NDF}$ : 19146.1/5

# reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -41.840+/-0.885  $\chi^2/\text{NDF}$ : 470.7/7

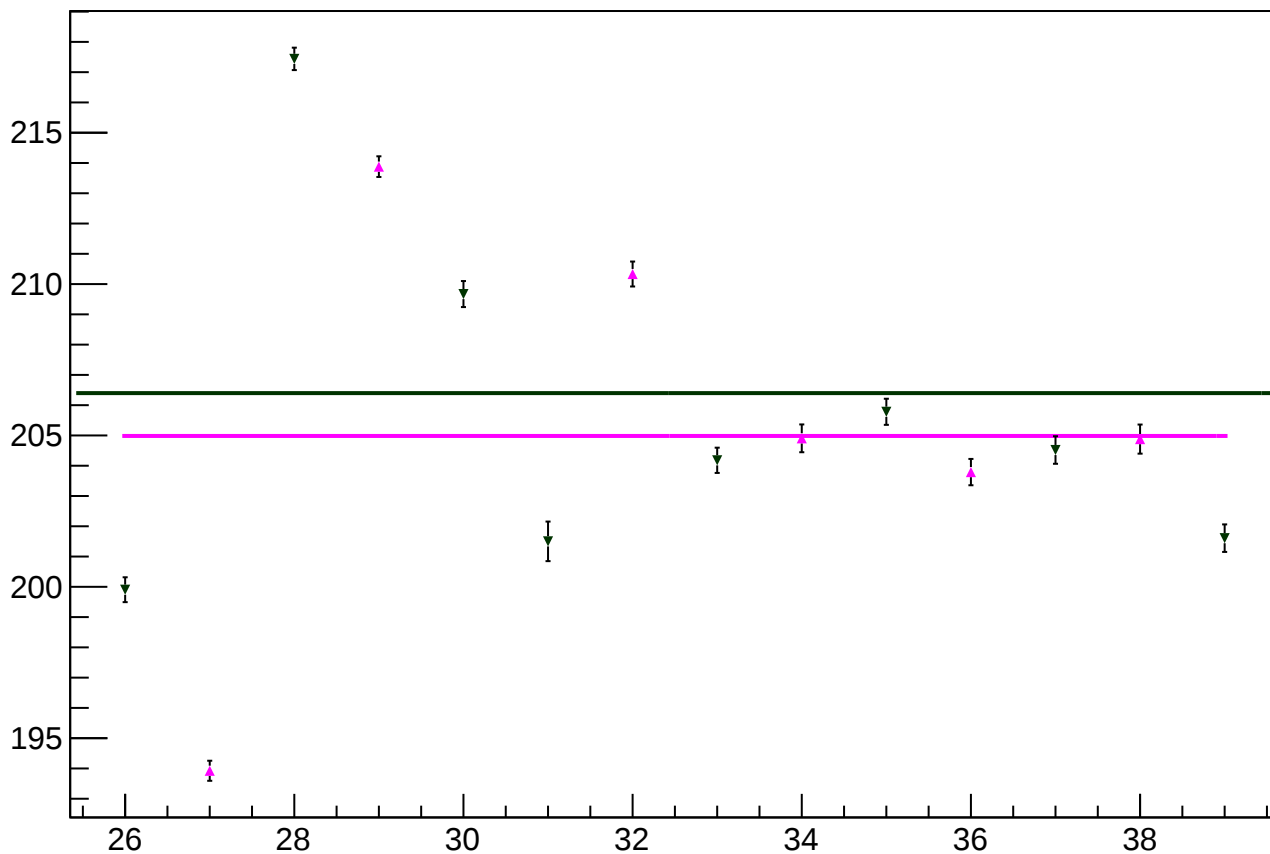
-41.840+/-0.885  $\chi^2/\text{NDF}$ : 470.7/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -20.646+/-0.744  $\chi^2/\text{NDF}$ : 769.6/5

-20.646+/-0.744  $\chi^2/\text{NDF}$ : 769.6/5

# reg\_asym\_atl\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 206.399+/-0.155  $\chi^2/\text{NDF}$ :1412.2/7

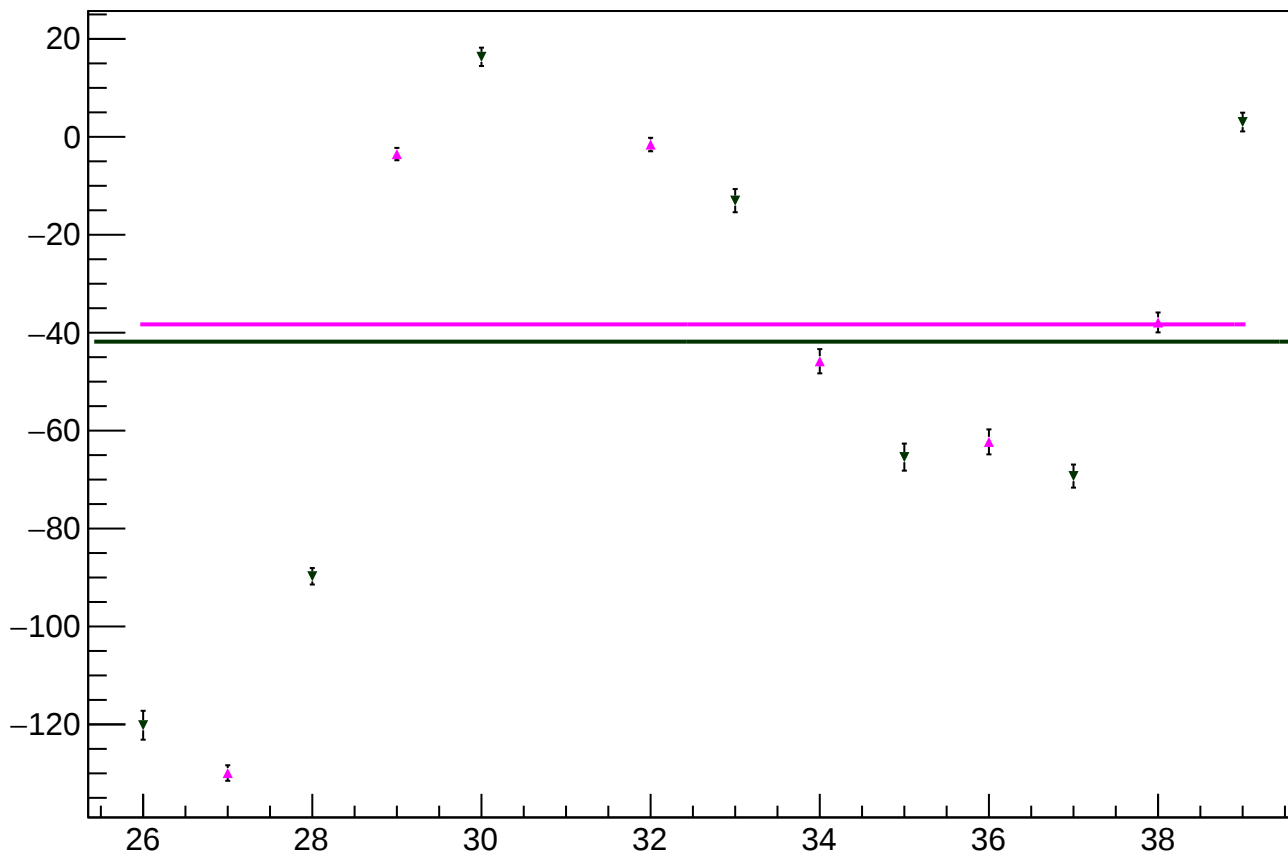
206.399+/-0.155  $\chi^2/\text{NDF}$ : 1412.2/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

204.983+/-0.162  $\chi^2/\text{NDF}$ : 1968.2/5

Left In: 204.983+/-0.162  $\chi^2/\text{NDF}$ :1968.2/5

# reg\_asym\_atr\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -41.827+/-0.813  $\chi^2/\text{NDF}$ : 3386.4/6

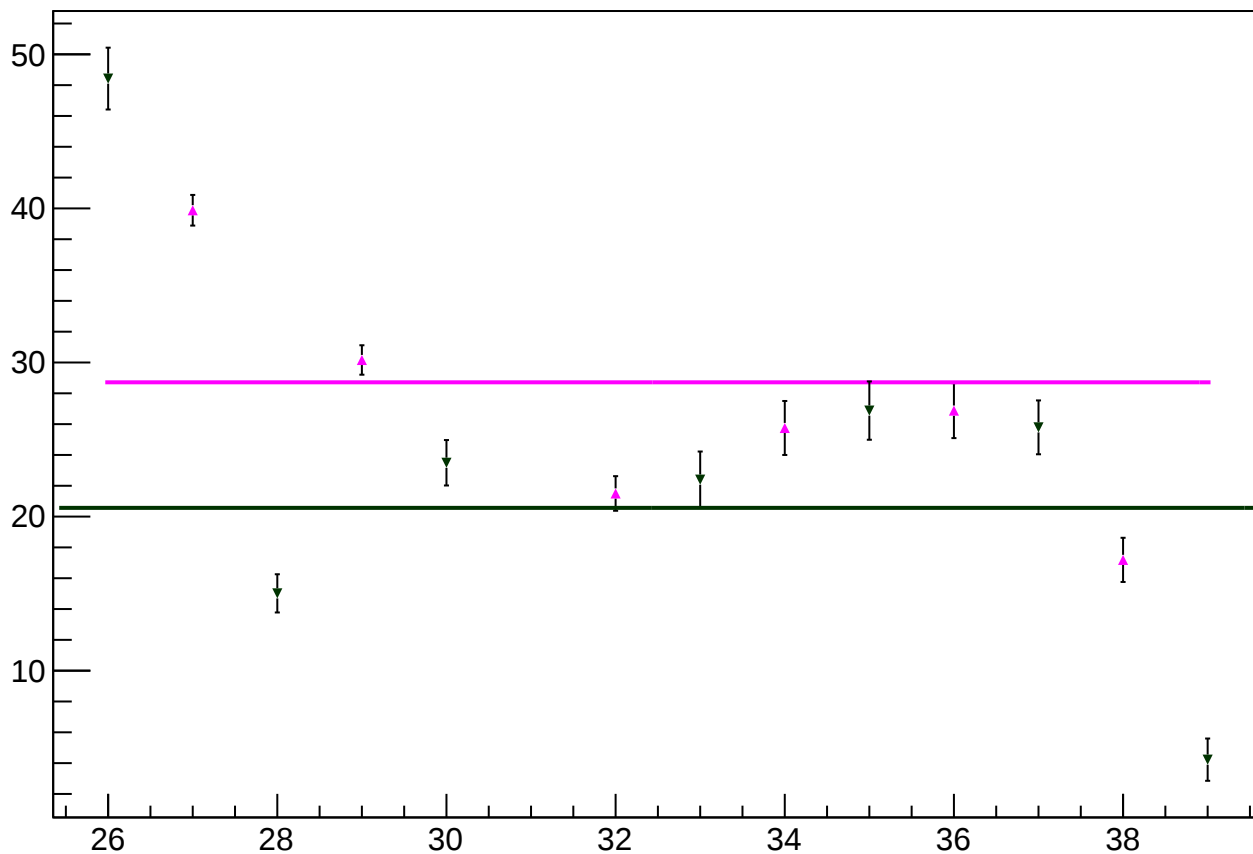
-41.827+/-0.813  $\chi^2/\text{NDF}$ : 3386.4/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-38.299+/-0.688  $\chi^2/\text{NDF}$ : 4905.0/5

Left In: -38.299+/-0.688  $\chi^2/\text{NDF}$ : 4905.0/5

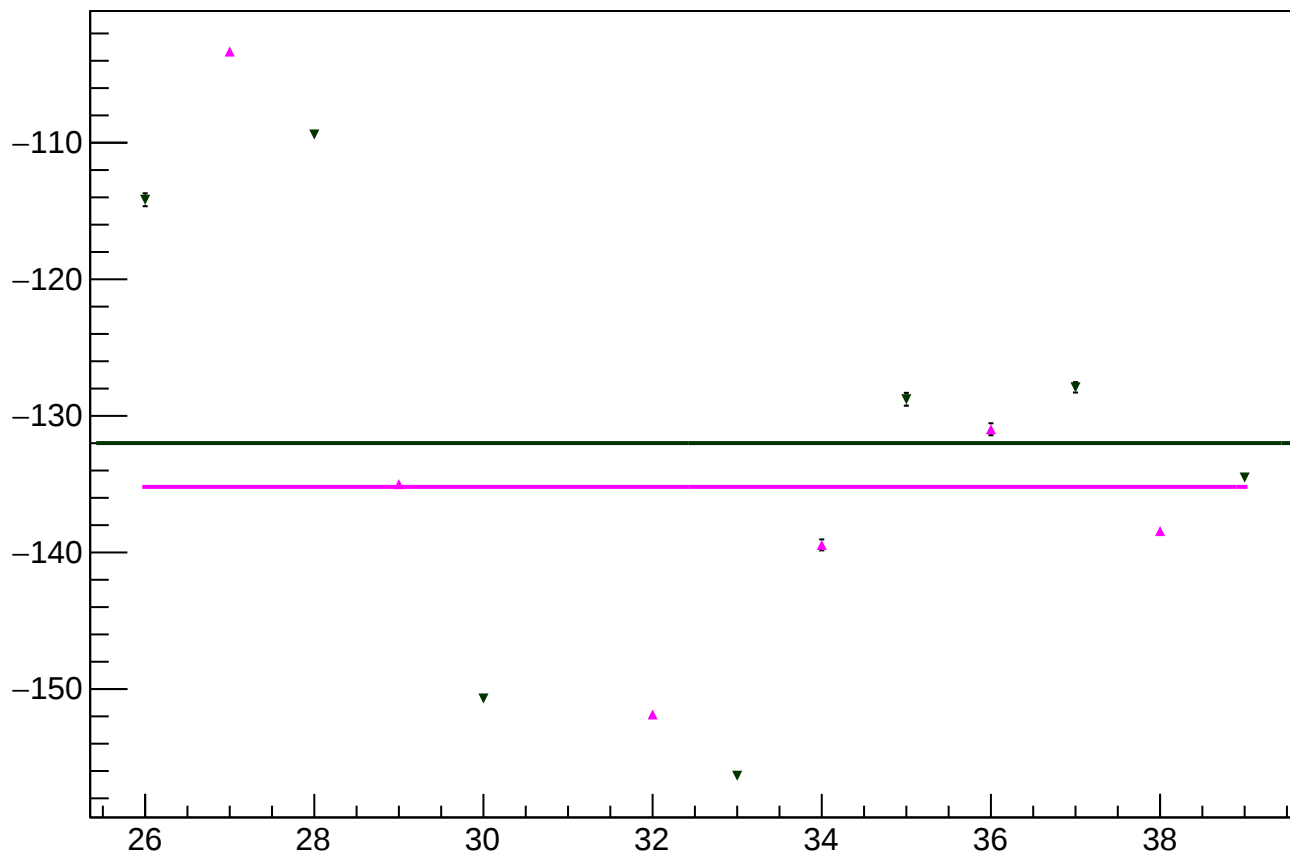
# reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 20.566+/-0.598  $\chi^2/\text{NDF}$ : 379.7/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 28.714+/-0.498  $\chi^2/\text{NDF}$ : 238.1/5

20.566+/-0.598  $\chi^2/\text{NDF}$ : 379.7/6  
 28.714+/-0.498  $\chi^2/\text{NDF}$ : 238.1/5

# reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -131.991+/-0.135  $\chi^2/\text{NDF}$ :15409.0/6

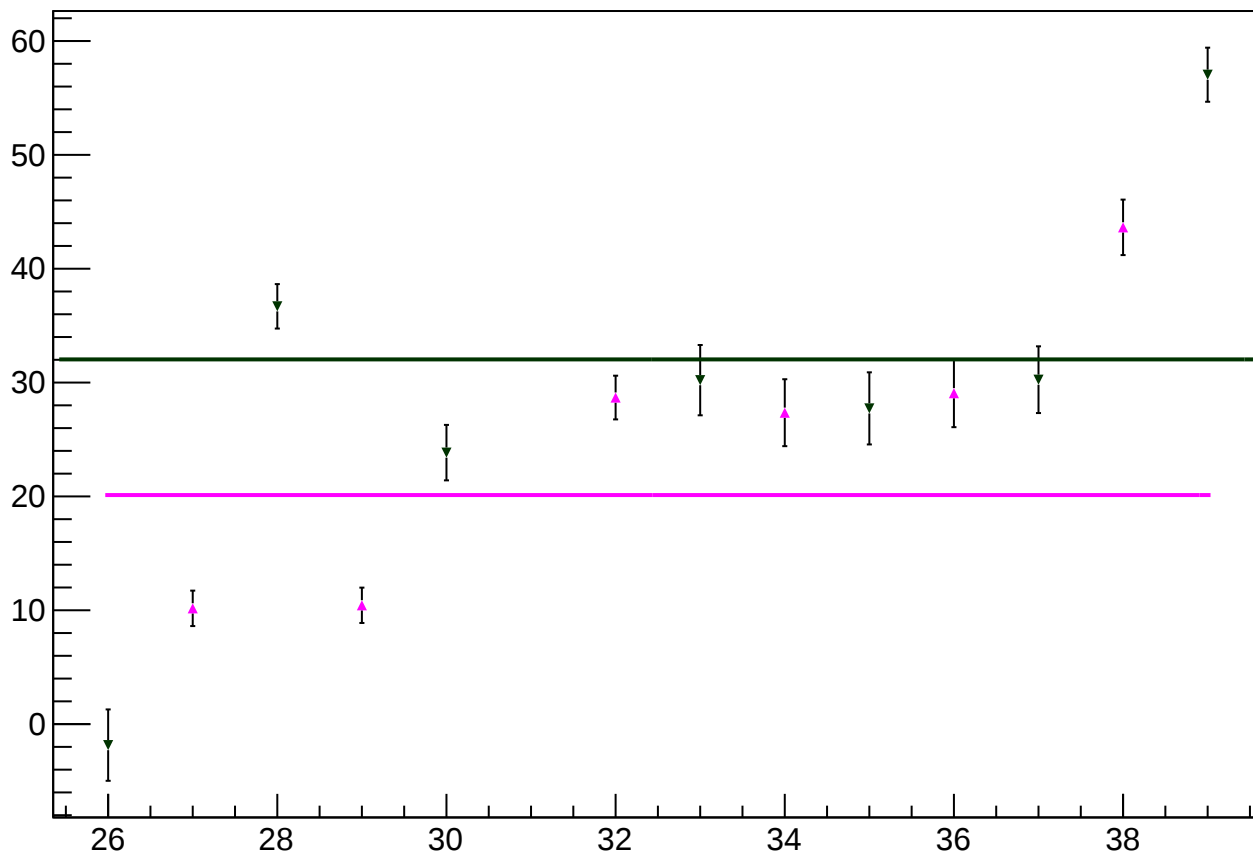
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -135.199+/-0.117  $\chi^2/\text{NDF}$ :19408.8/5

-131.991+/-0.135  $\chi^2/\text{NDF}$ : 15409.0/6

-135.199+/-0.117  $\chi^2/\text{NDF}$ : 19408.8/5

# reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 32.035+/-0.985  $\chi^2/\text{NDF}$ :247.2/6

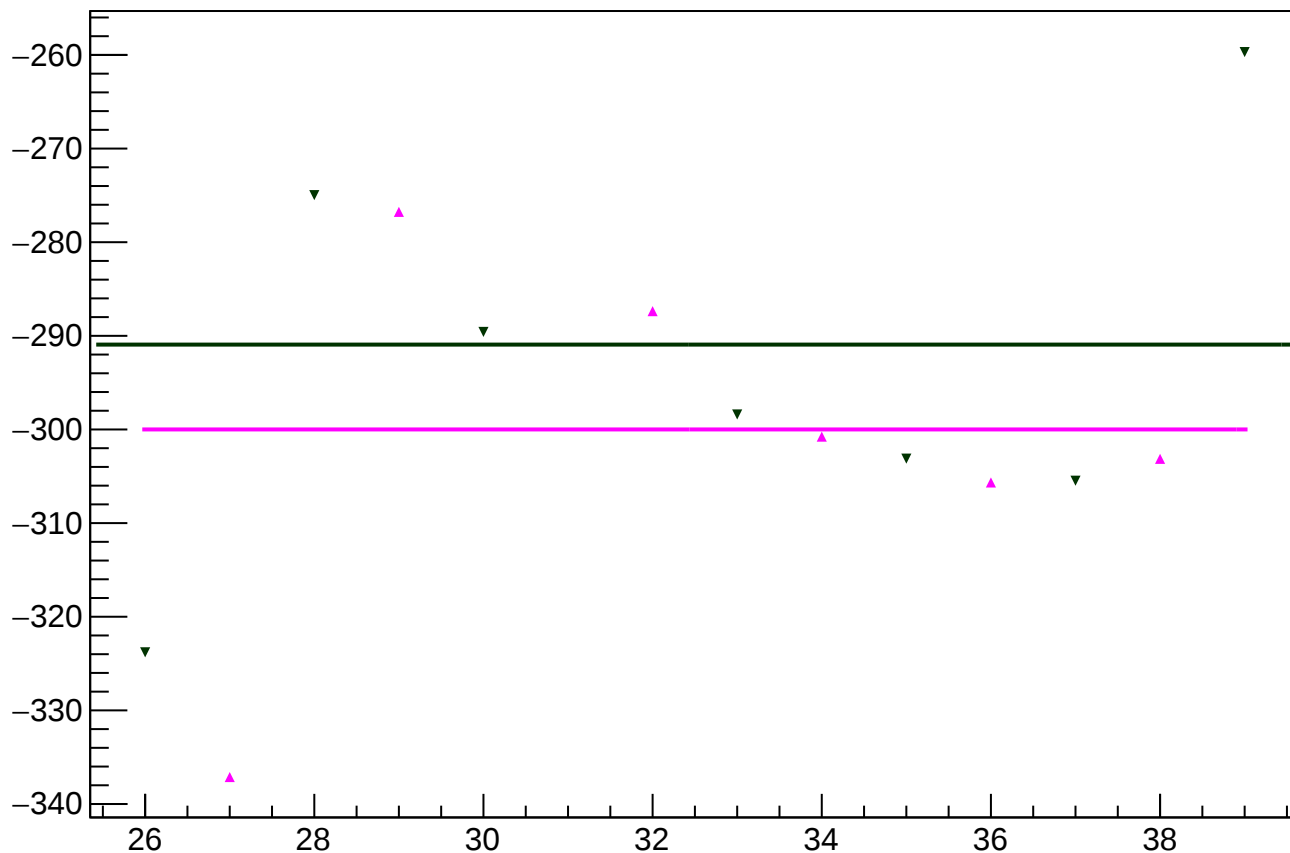
32.035+/-0.985  $\chi^2/\text{NDF}$ : 247.2/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

20.120+/-0.818  $\chi^2/\text{NDF}$ : 207.9/5

Left In: 20.120+/-0.818  $\chi^2/\text{NDF}$ :207.9/5

# reg\_asym\_atr\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -290.936+/-0.175  $\chi^2/\text{NDF}$ : 12080.8/6

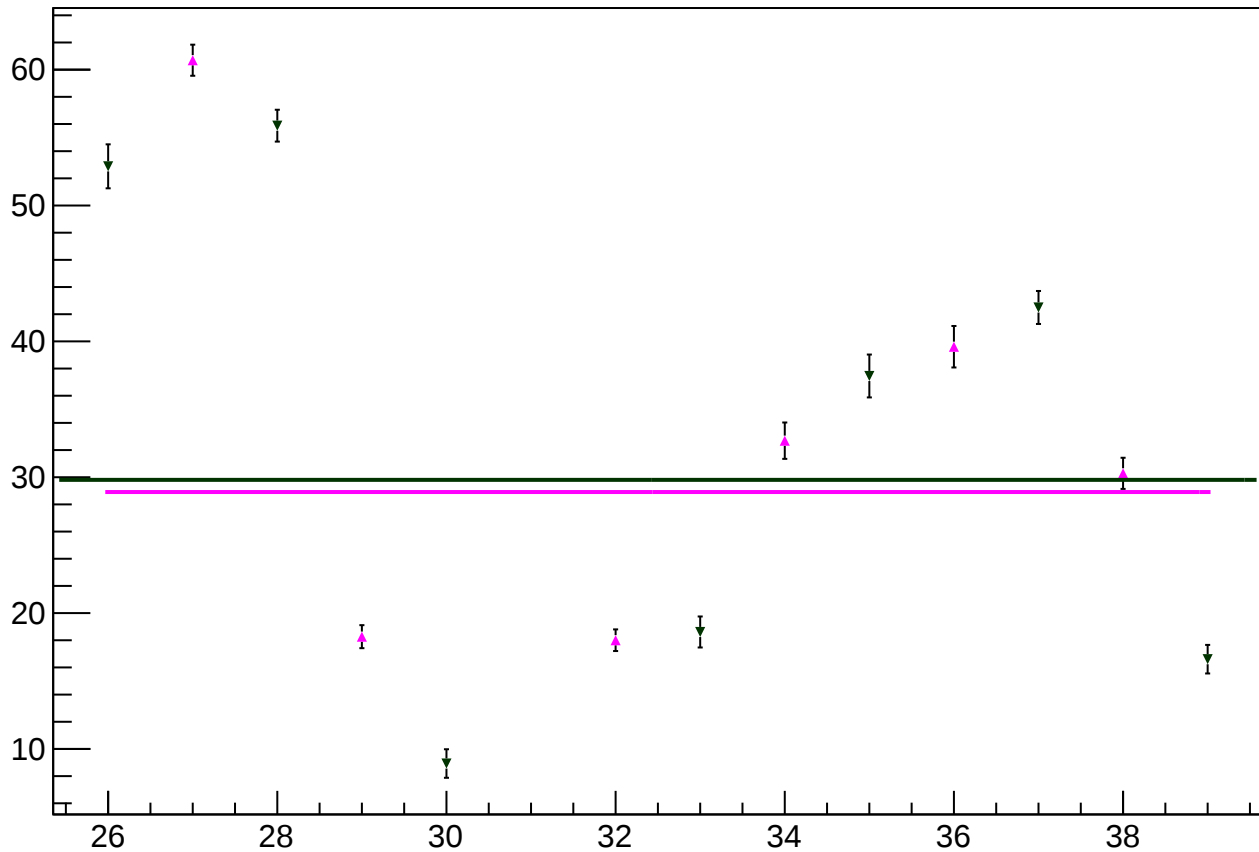
-290.936+/-0.175  $\chi^2/\text{NDF}$ : 12080.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-299.997+/-0.176  $\chi^2/\text{NDF}$ : 14117.7/5

Left In: -299.997+/-0.176  $\chi^2/\text{NDF}$ : 14117.7/5

# reg\_asym\_atr\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 29.807+/-0.458  $\chi^2/\text{NDF}$ :1479.4/6

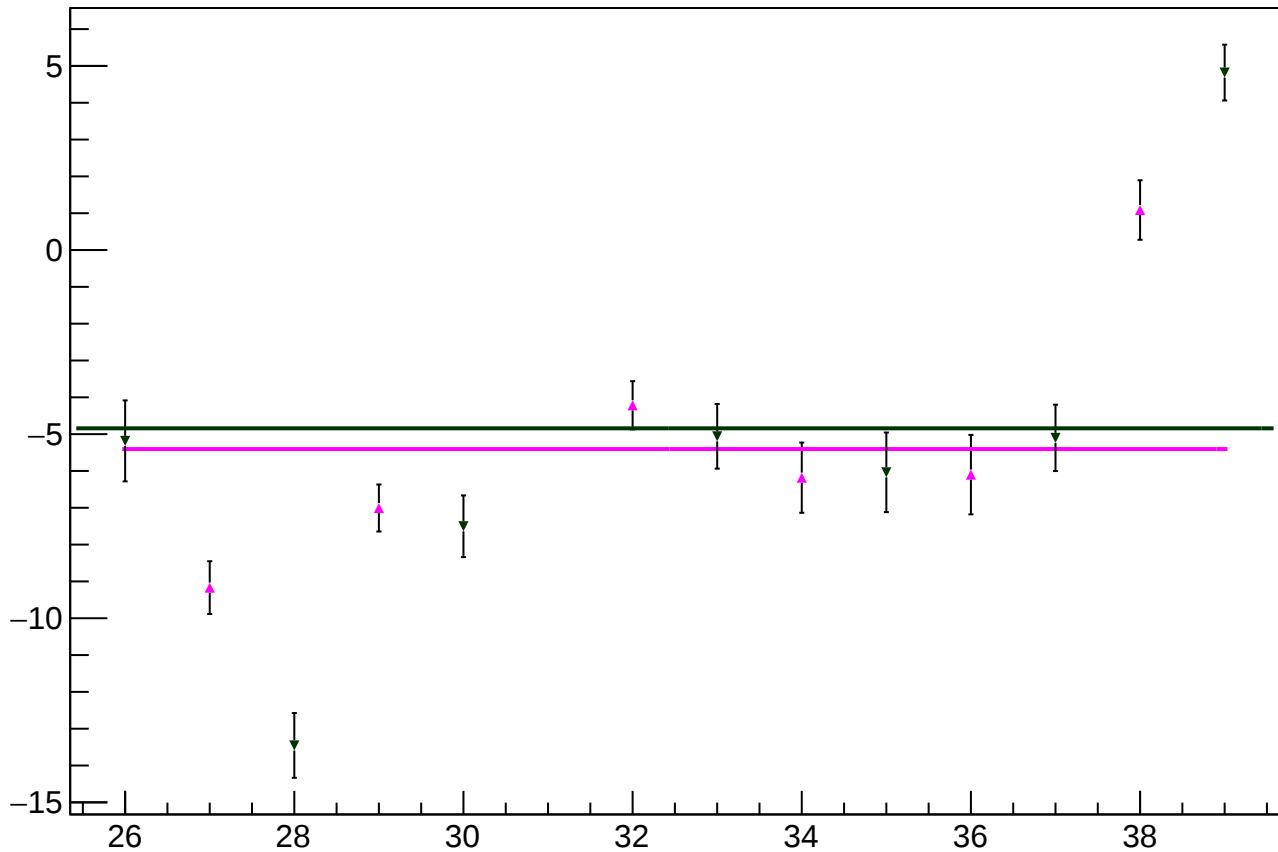
29.807+/-0.458  $\chi^2/\text{NDF}$ : 1479.4/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

28.911+/-0.427  $\chi^2/\text{NDF}$ : 1175.6/5

Left In: 28.911+/-0.427  $\chi^2/\text{NDF}$ :1175.6/5

# reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -4.842+/-0.340  $\chi^2/\text{NDF}$ : 270.1/6

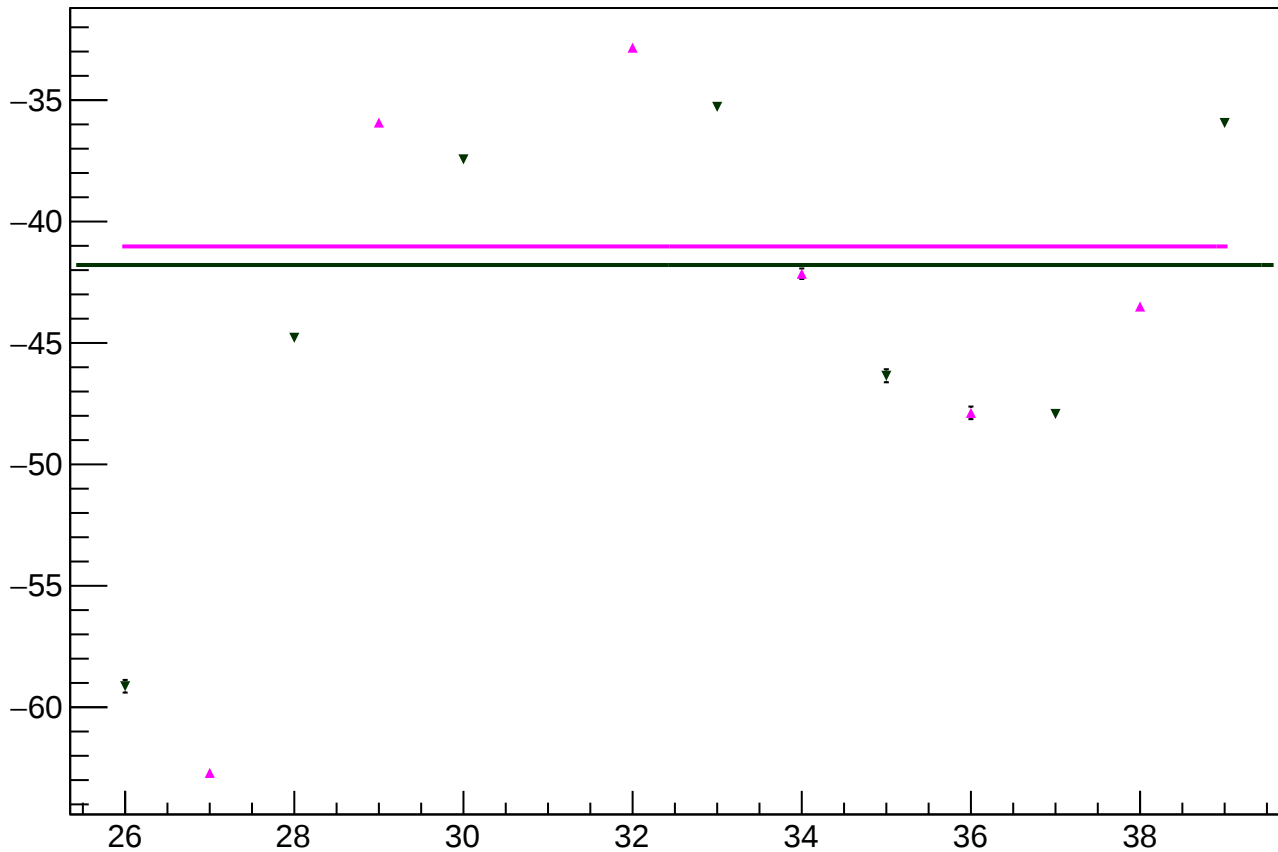
-4.842+/-0.340  $\chi^2/\text{NDF}$ : 270.1/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-5.405+/-0.313  $\chi^2/\text{NDF}$ : 102.7/5

Left In: -5.405+/-0.313  $\chi^2/\text{NDF}$ : 102.7/5

reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -41.790+/-0.075  $\chi^2/\text{NDF}$ : 9030.2/6

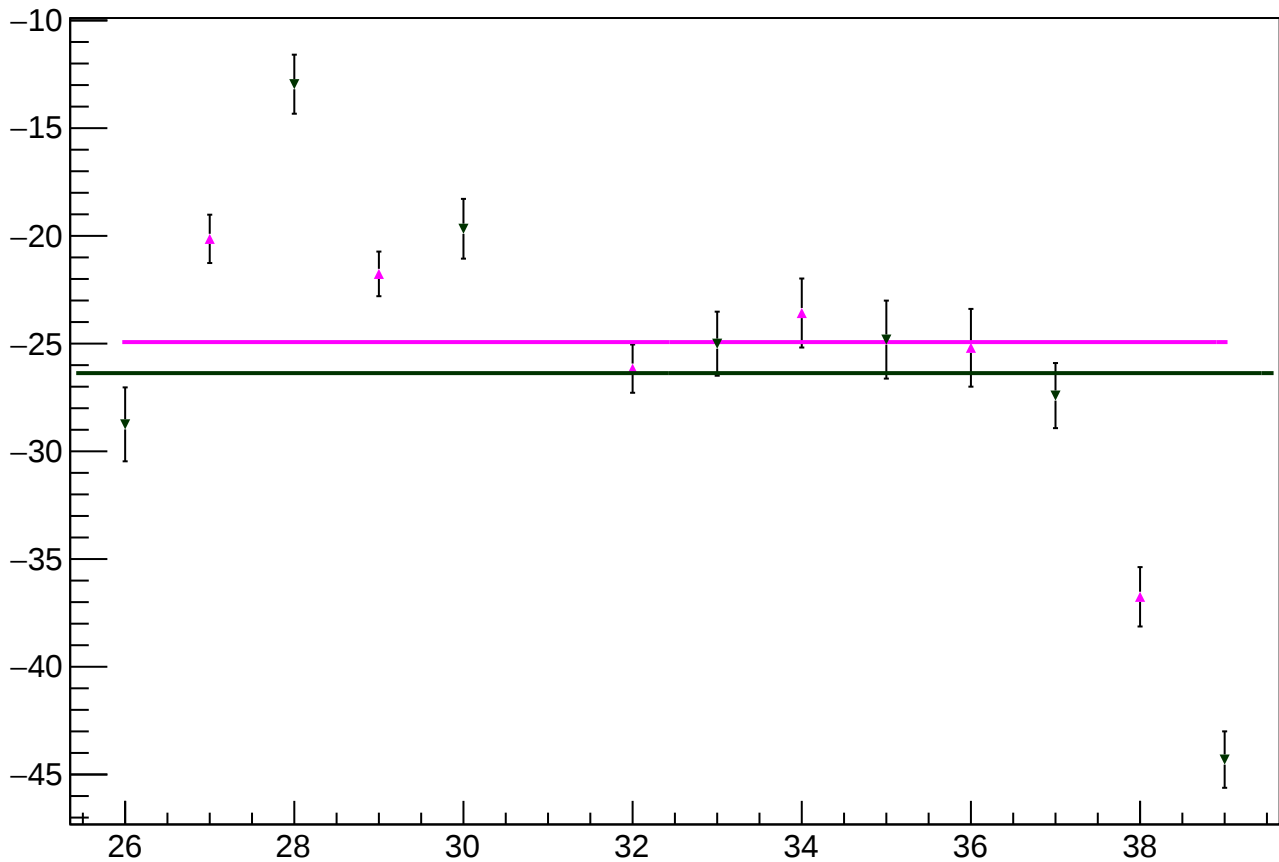
-41.790+/-0.075  $\chi^2/\text{NDF}$ : 9030.2/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-41.025+/-0.072  $\chi^2/\text{NDF}$ : 17669.5/5

Left In: -41.025+/-0.072  $\chi^2/\text{NDF}$ : 17669.5/5

reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -26.370+/-0.562  $\chi^2/\text{NDF}$ : 310.6/6

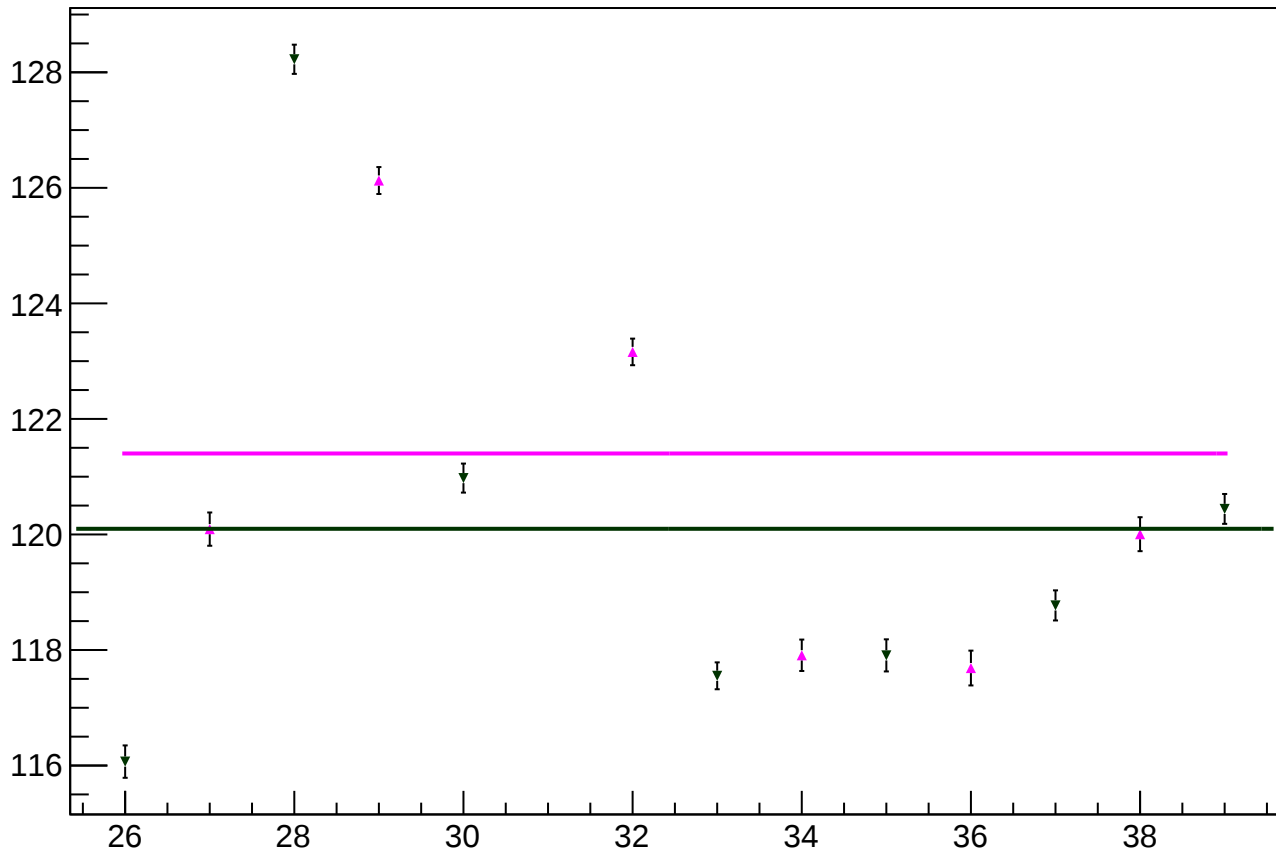
-26.370+/-0.562  $\chi^2/\text{NDF}$ : 310.6/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -24.930+/-0.517  $\chi^2/\text{NDF}$ : 103.1/5

-24.930+/-0.517  $\chi^2/\text{NDF}$ : 103.1/5

# reg\_asym\_atr\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 120.098+/-0.097  $\chi^2/\text{NDF}$ :1461.9/6

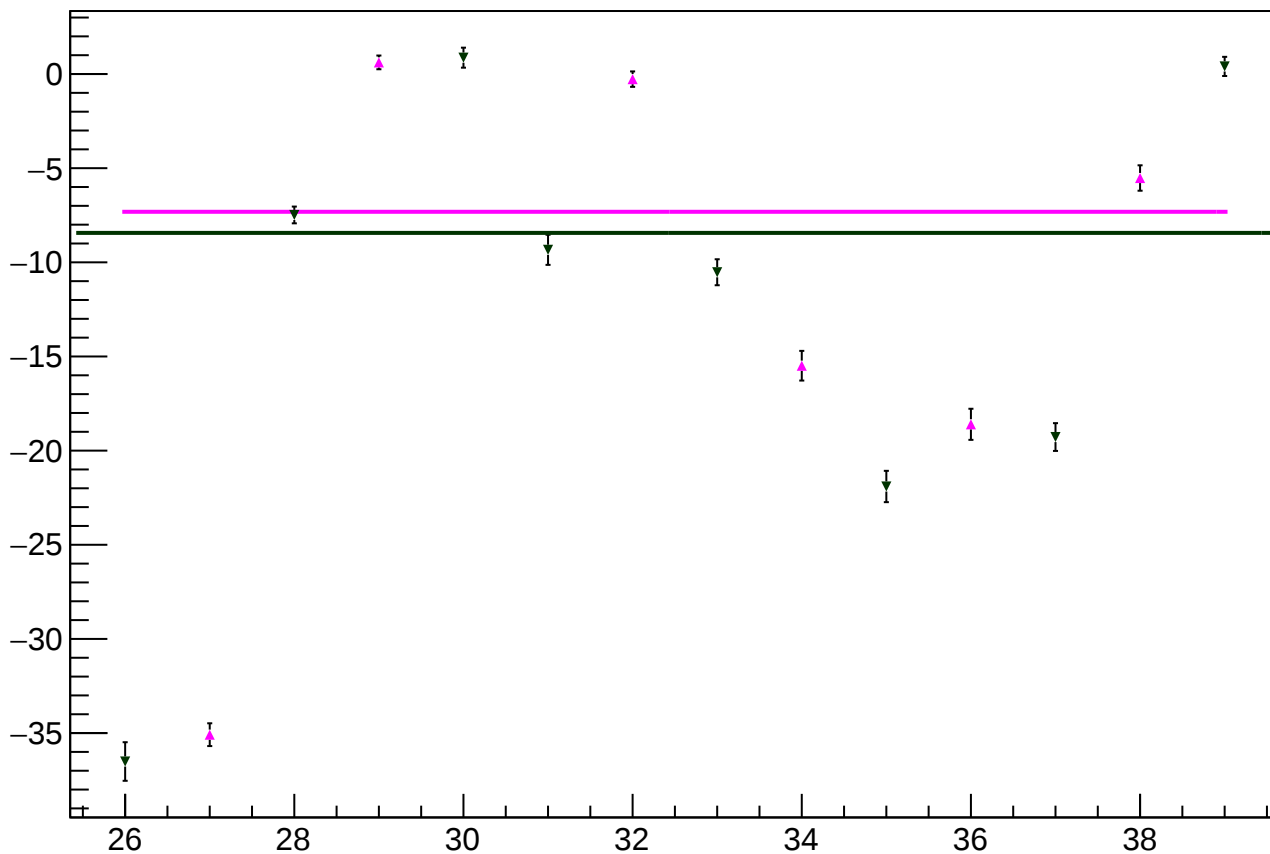
120.098+/-0.097  $\chi^2/\text{NDF}$ : 1461.9/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

121.402+/-0.108  $\chi^2/\text{NDF}$ : 829.7/5

Left In: 121.402+/-0.108  $\chi^2/\text{NDF}$ :829.7/5

# reg\_asym\_at1\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -8.437+/-0.222  $\chi^2/\text{NDF}$ : 1852.8/7

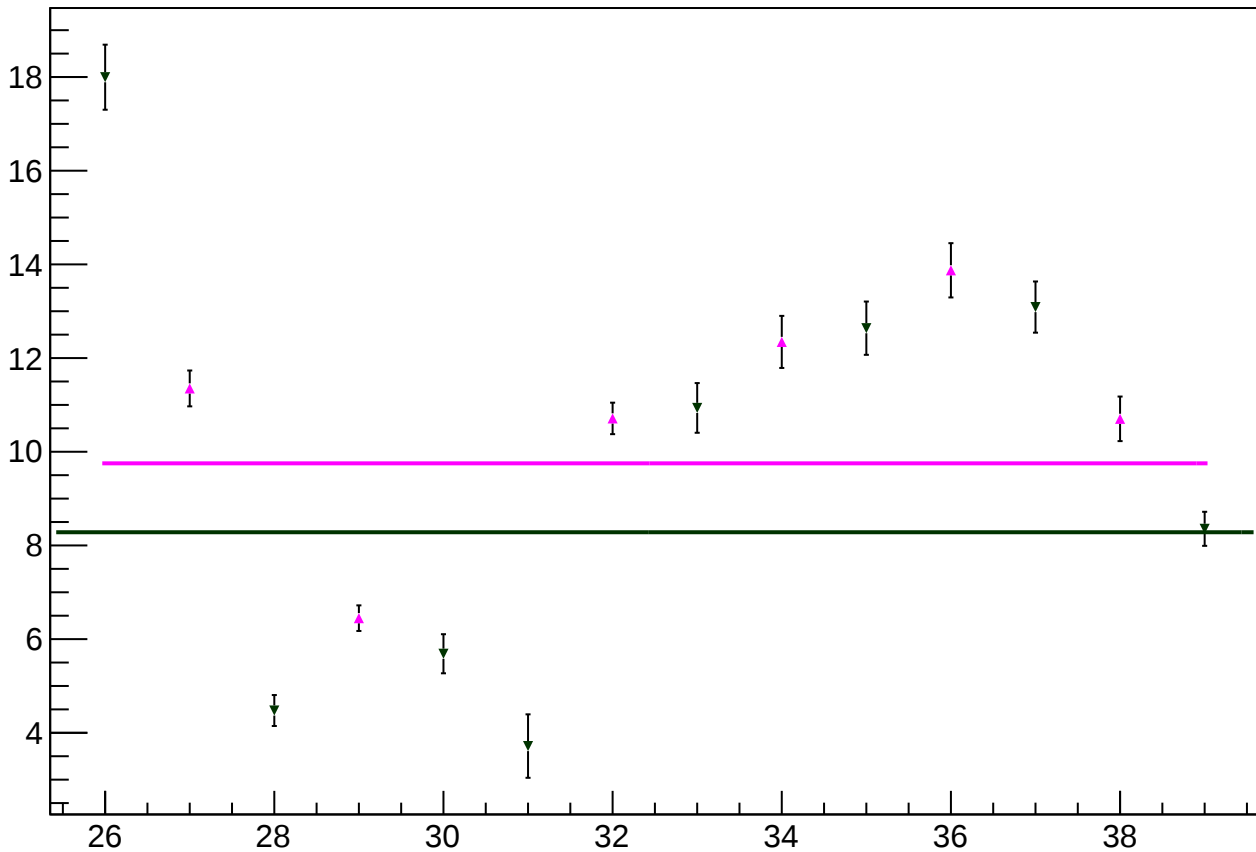
-8.437+/-0.222  $\chi^2/\text{NDF}$ : 1852.8/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-7.316+/-0.216  $\chi^2/\text{NDF}$ : 3178.5/5

Left In: -7.316+/-0.216  $\chi^2/\text{NDF}$ : 3178.5/5

reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs slug

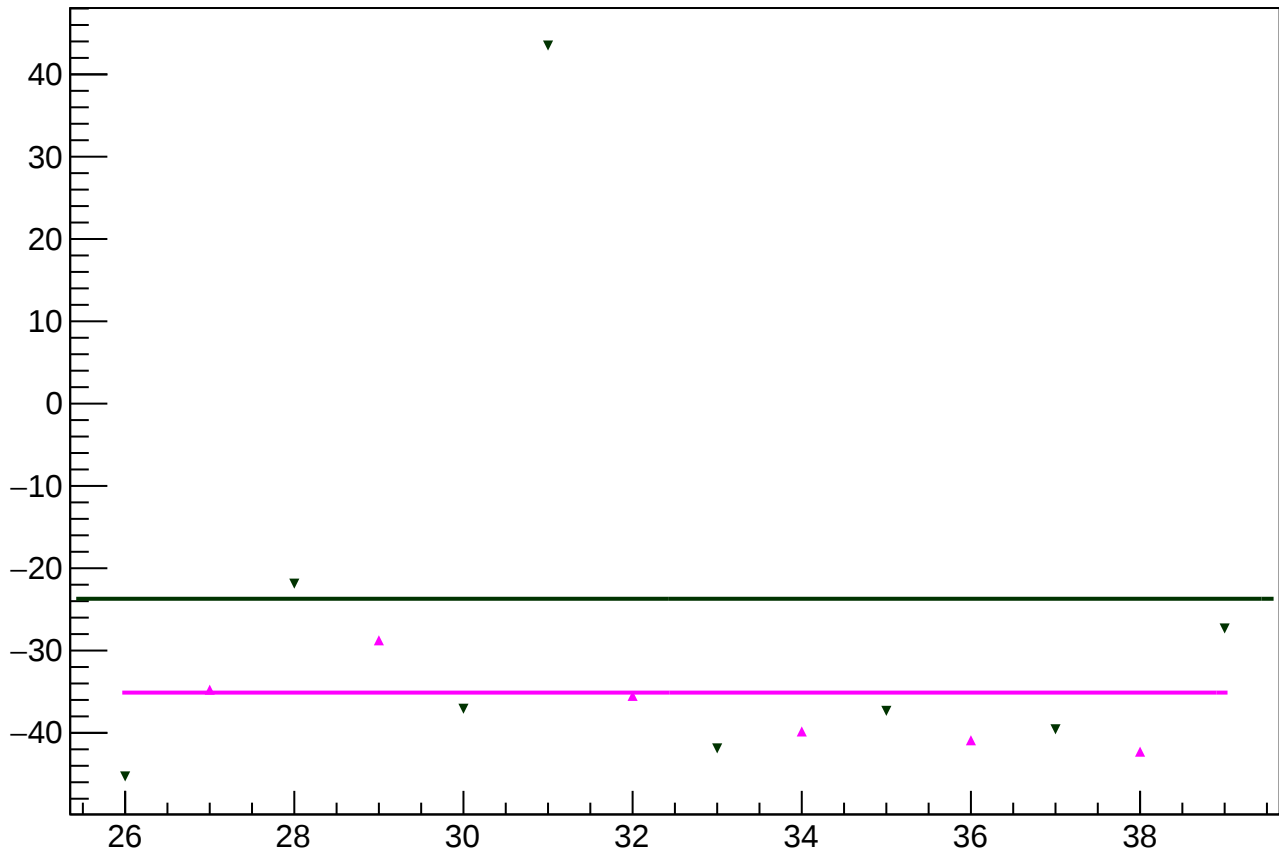


Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 8.282+/-0.165  $\chi^2/\text{NDF}$ : 573.5/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 9.753+/-0.159  $\chi^2/\text{NDF}$ : 248.3/5

8.282+/-0.165  $\chi^2/\text{NDF}$ : 573.5/7

9.753+/-0.159  $\chi^2/\text{NDF}$ : 248.3/5

# reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -23.709+/-0.036  $\chi^2/\text{NDF}$ : 491769.7/7

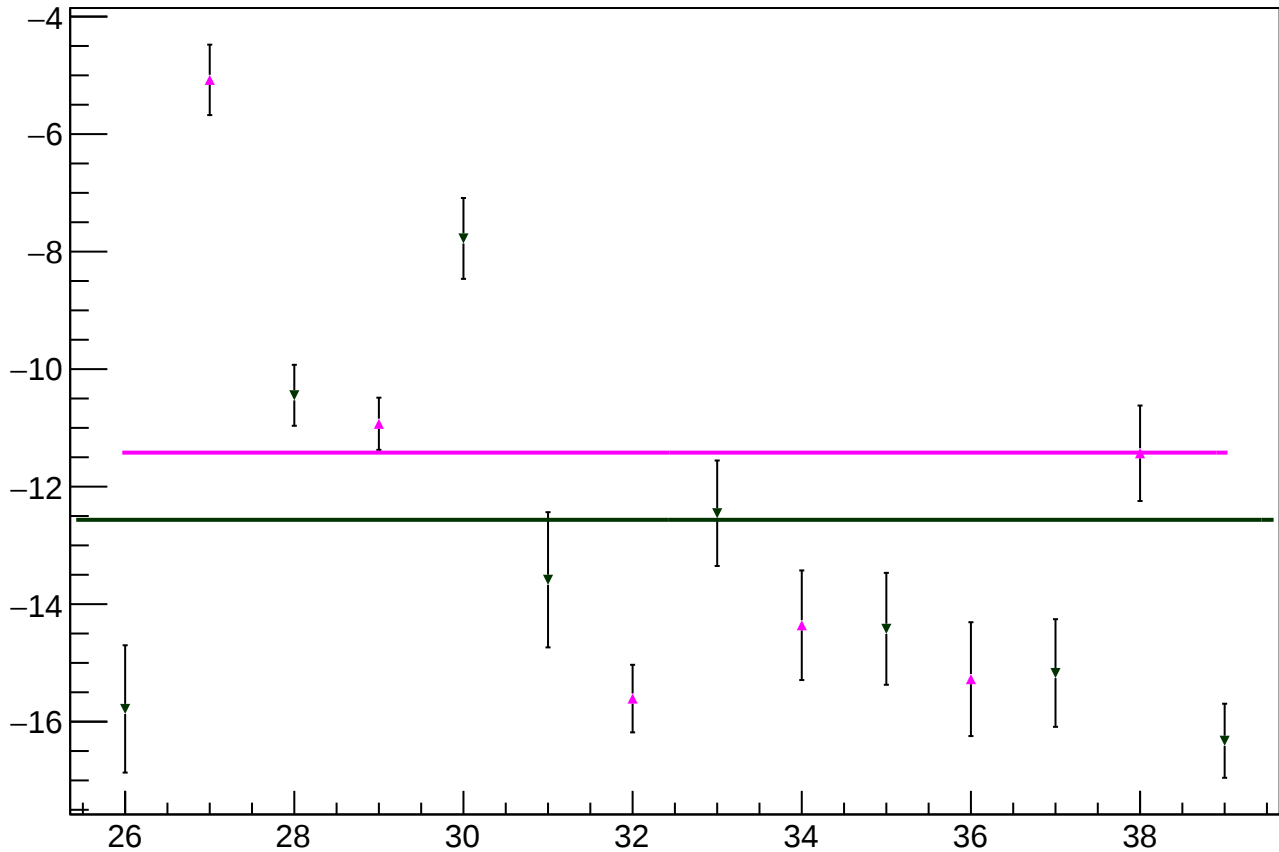
-23.709+/-0.036  $\chi^2/\text{NDF}$ : 491769.7/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-35.109+/-0.037  $\chi^2/\text{NDF}$ : 15558.8/5

Left In: -35.109+/-0.037  $\chi^2/\text{NDF}$ : 15558.8/5

reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -12.565+/-0.272  $\chi^2/\text{NDF}$ :122.2/7

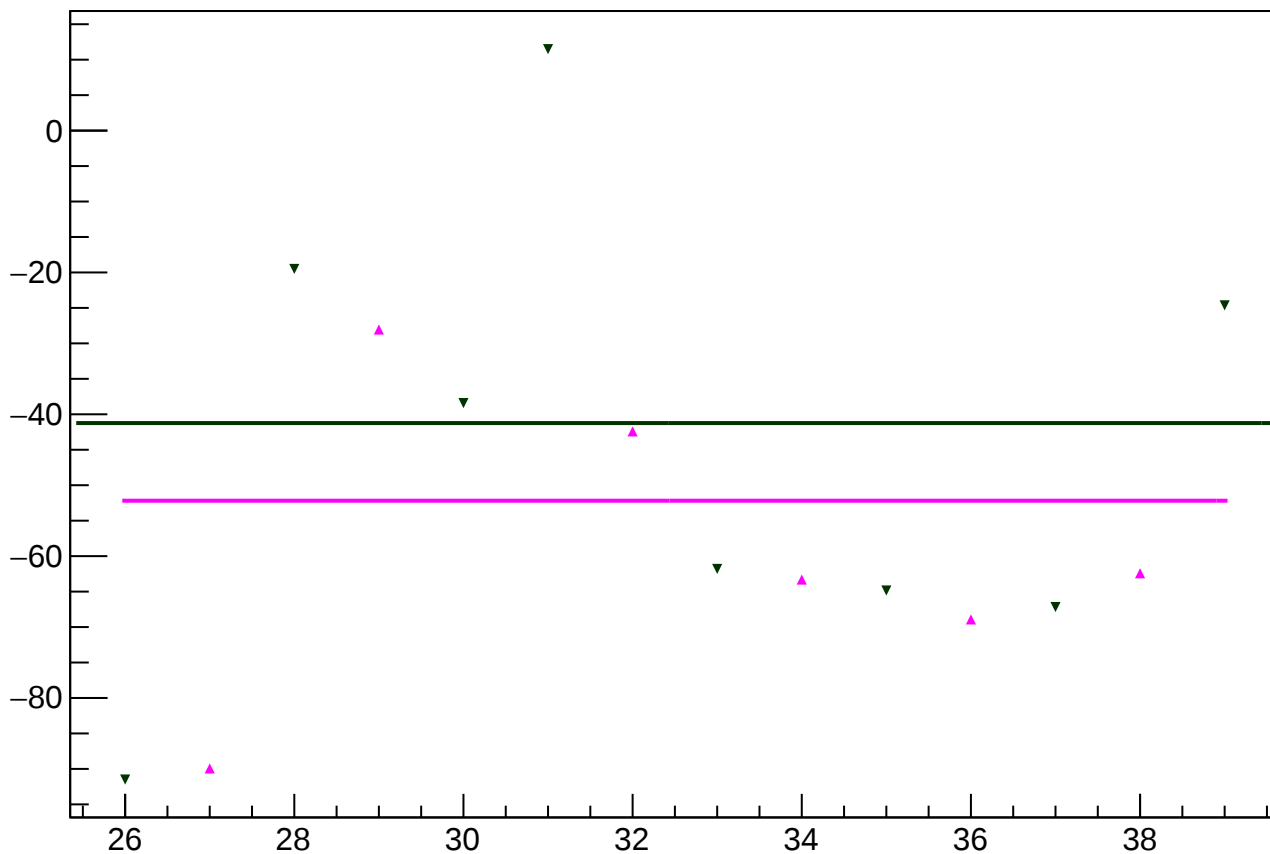
-12.565+/-0.272  $\chi^2/\text{NDF}$ : 122.2/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -11.421+/-0.262  $\chi^2/\text{NDF}$ :192.1/5

-11.421+/-0.262  $\chi^2/\text{NDF}$ : 192.1/5

reg\_asym\_at1\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -41.237+/-0.048  $\chi^2/\text{NDF}$ : 287748.7/7

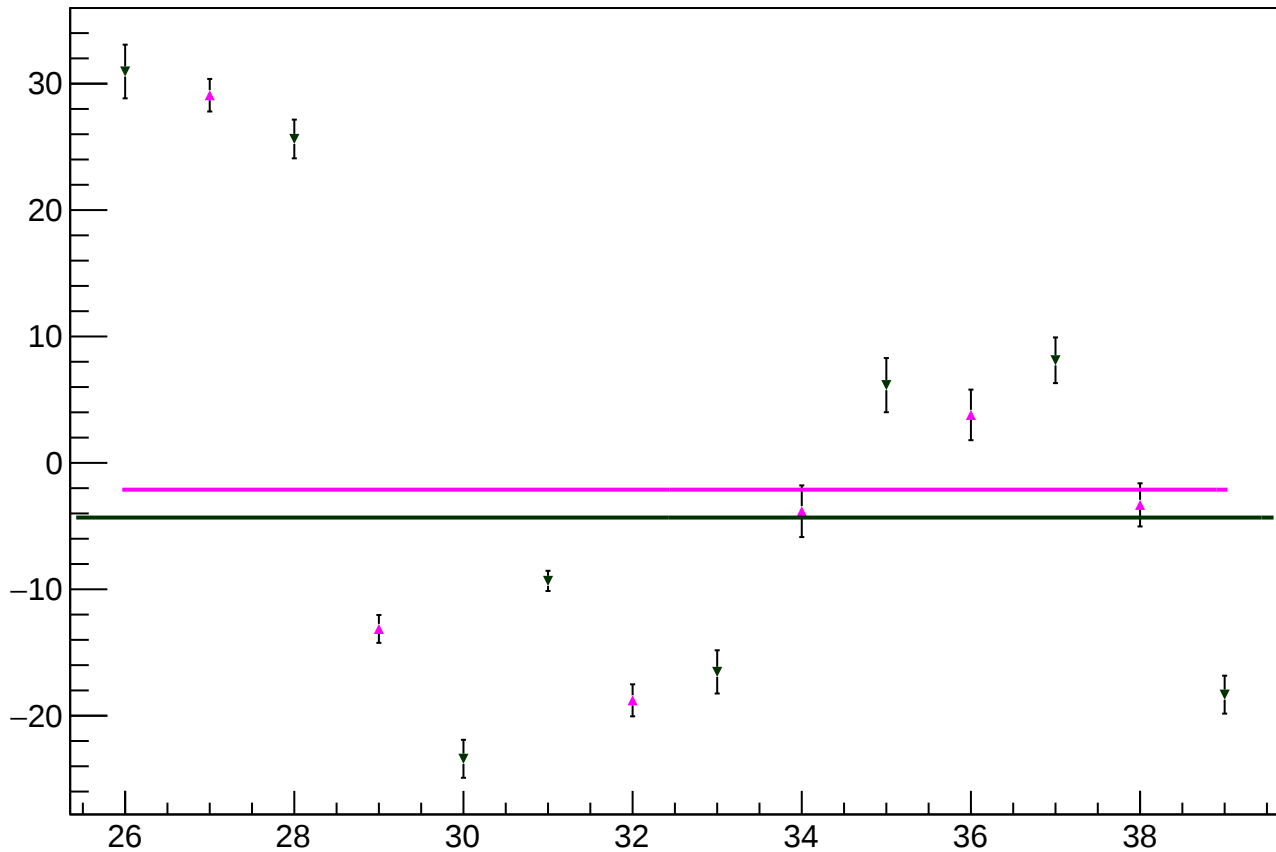
-41.237+/-0.048  $\chi^2/\text{NDF}$ : 287748.7/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-52.185+/-0.055  $\chi^2/\text{NDF}$ : 148066.8/5

Left In: -52.185+/-0.055  $\chi^2/\text{NDF}$ : 148066.8/5

# reg\_asym\_at1\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -4.324+/-0.502  $\chi^2/\text{NDF}$ :1068.2/7

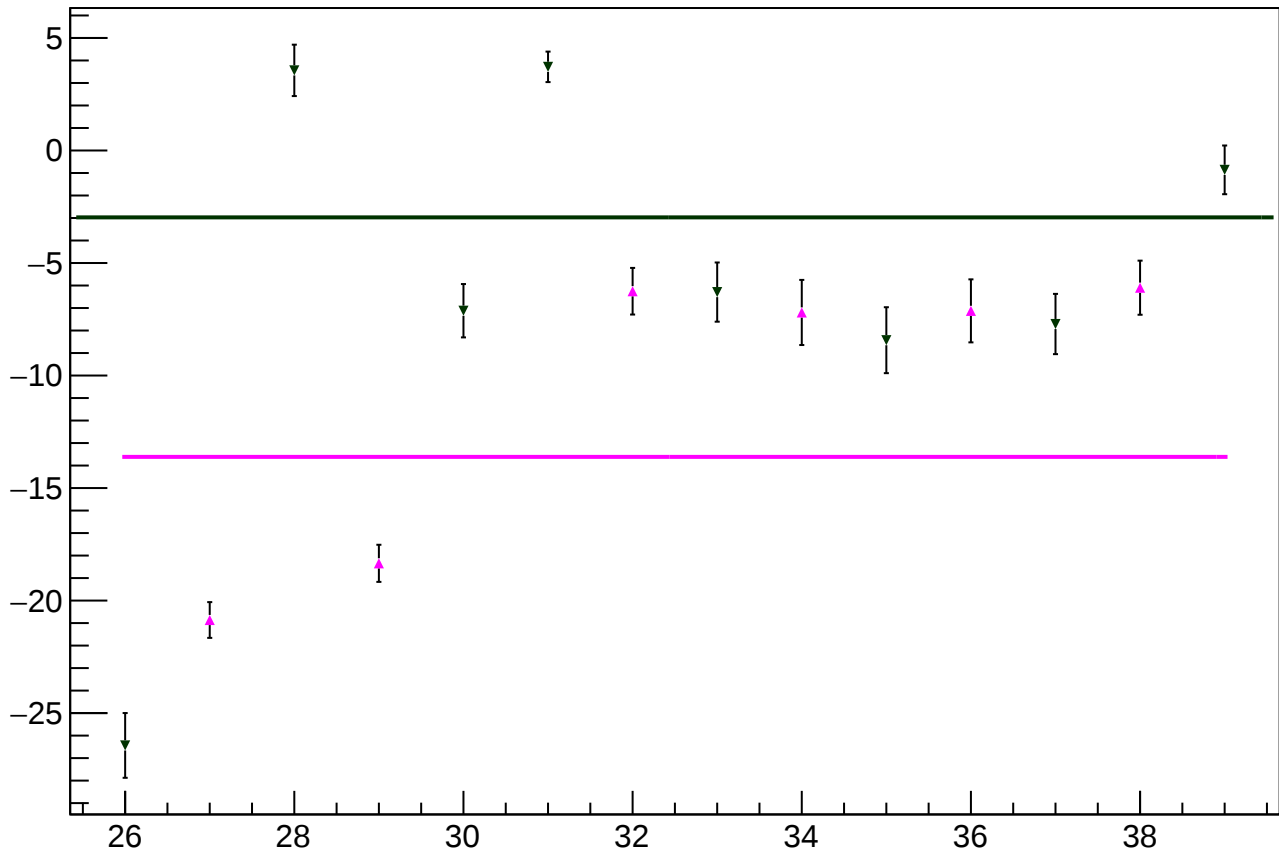
-4.324+/-0.502  $\chi^2/\text{NDF}$ : 1068.2/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.119+/-0.589  $\chi^2/\text{NDF}$ :869.7/5

-2.119+/-0.589  $\chi^2/\text{NDF}$ : 869.7/5

# reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -2.972+/-0.389  $\chi^2/\text{NDF}$ : 445.0/7

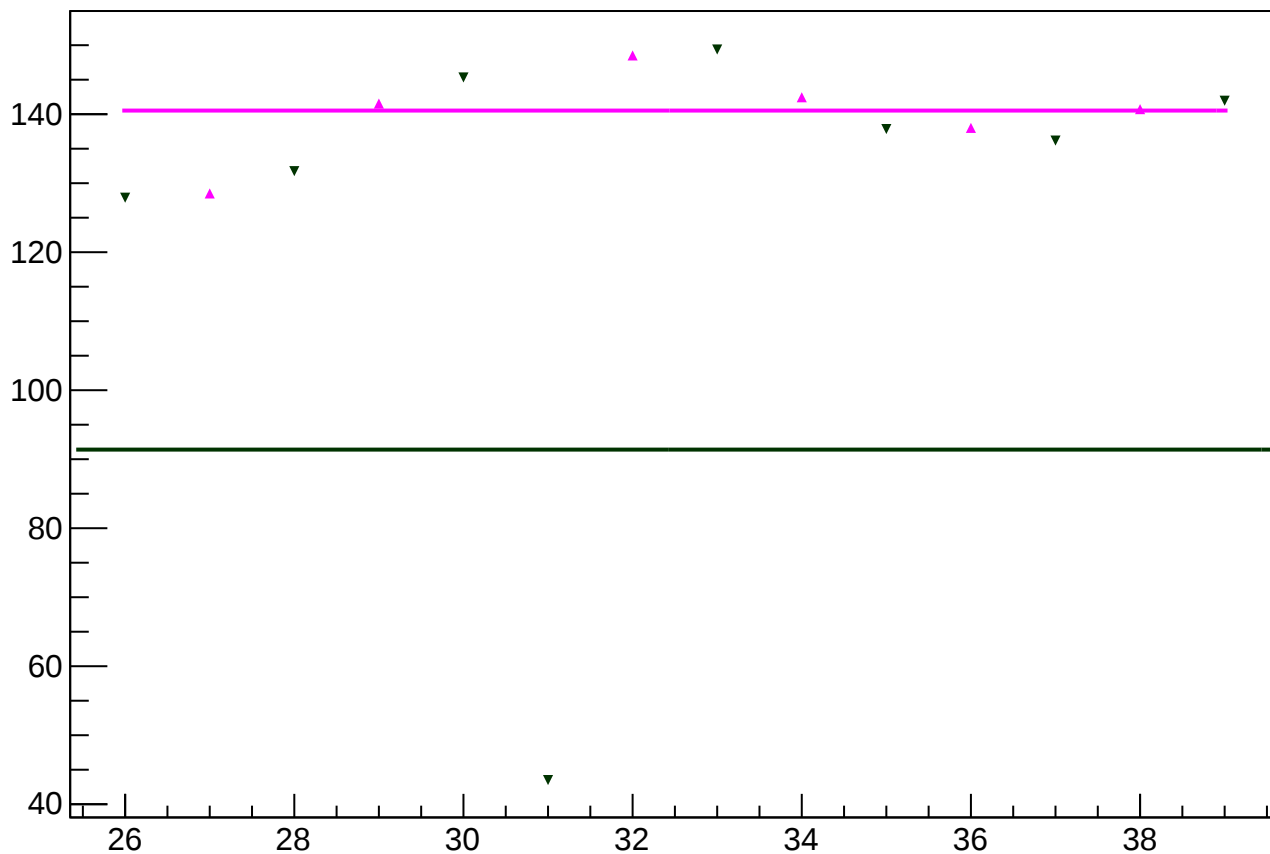
-2.972+/-0.389  $\chi^2/\text{NDF}$ : 445.0/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-13.615+/-0.420  $\chi^2/\text{NDF}$ : 246.8/5

Left In: -13.615+/-0.420  $\chi^2/\text{NDF}$ : 246.8/5

# reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 91.393+/-0.076  $\chi^2/\text{NDF}$ : 407997.3/7

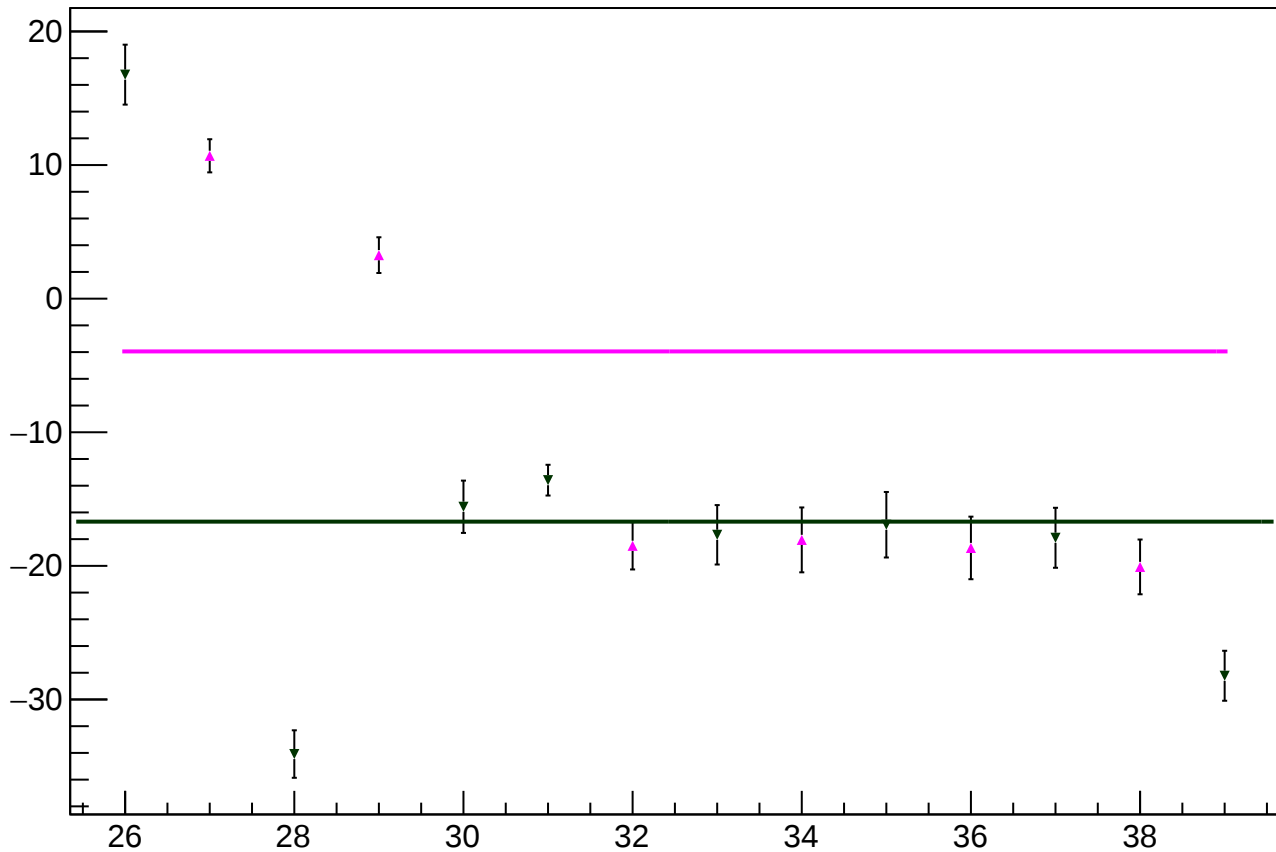
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 140.527+/-0.101  $\chi^2/\text{NDF}$ : 4467.2/5

91.393+/-0.076  $\chi^2/\text{NDF}$ : 407997.3/7

140.527+/-0.101  $\chi^2/\text{NDF}$ : 4467.2/5

# reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -16.689+/-0.648  $\chi^2/\text{NDF}$ : 364.3/7

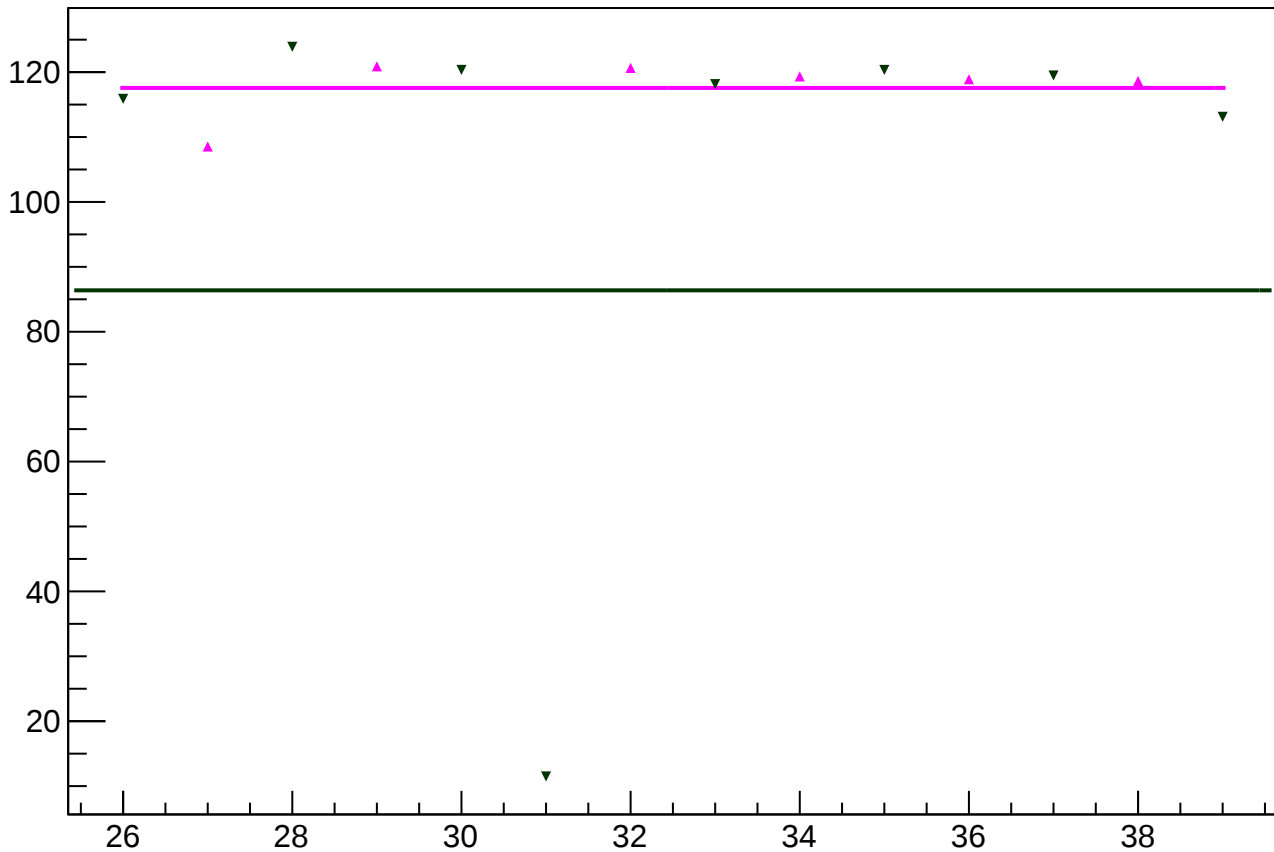
-16.689+/-0.648  $\chi^2/\text{NDF}$ : 364.3/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-3.949+/-0.687  $\chi^2/\text{NDF}$ : 371.0/5

Left In: -3.949+/-0.687  $\chi^2/\text{NDF}$ : 371.0/5

# reg\_asym\_at1\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 86.382+/-0.114  $\chi^2/\text{NDF}$ : 188914.8/7

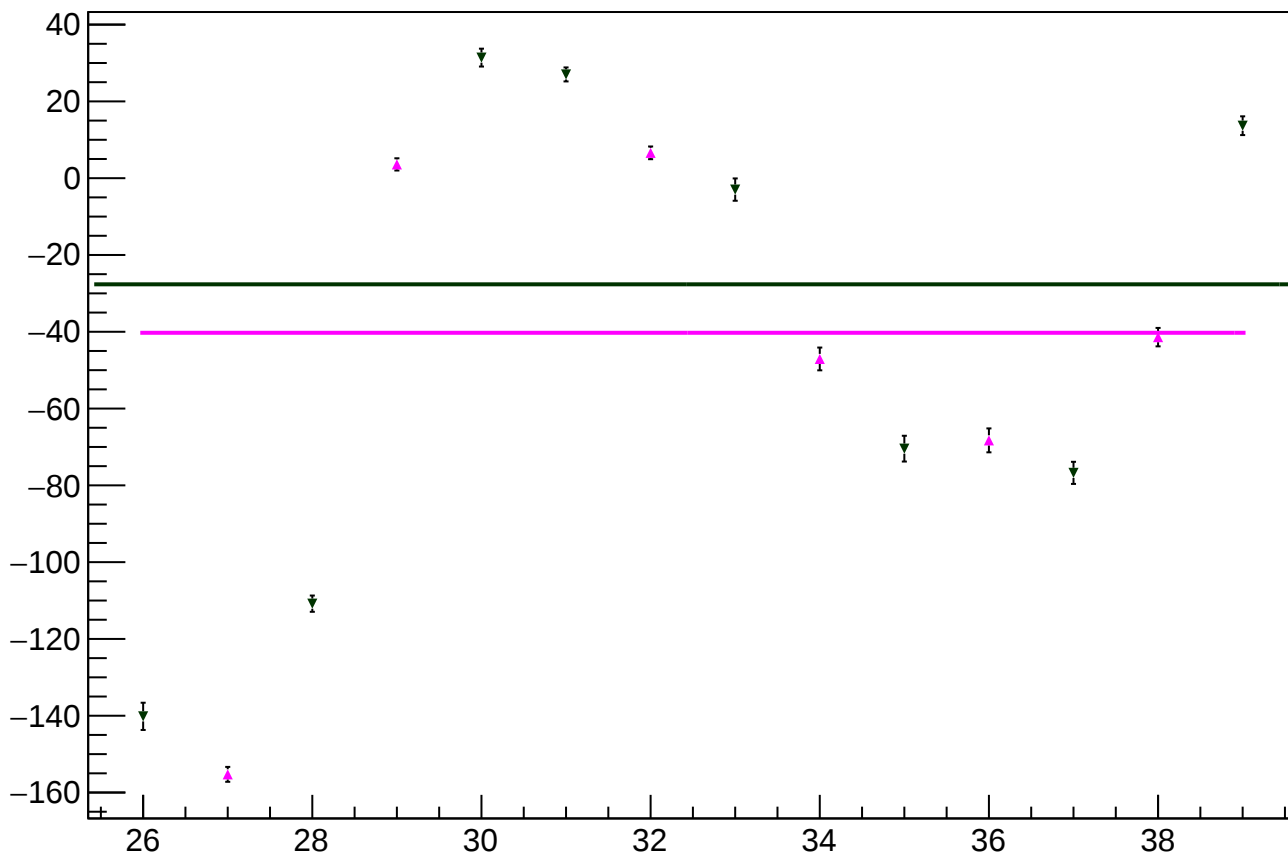
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 117.568+/-0.148  $\chi^2/\text{NDF}$ : 995.0/5

86.382+/-0.114  $\chi^2/\text{NDF}$ : 188914.8/7

117.568+/-0.148  $\chi^2/\text{NDF}$ : 995.0/5

# reg\_asym\_at2\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -27.643+/-0.883  $\chi^2/\text{NDF}$ : 4904.8/7

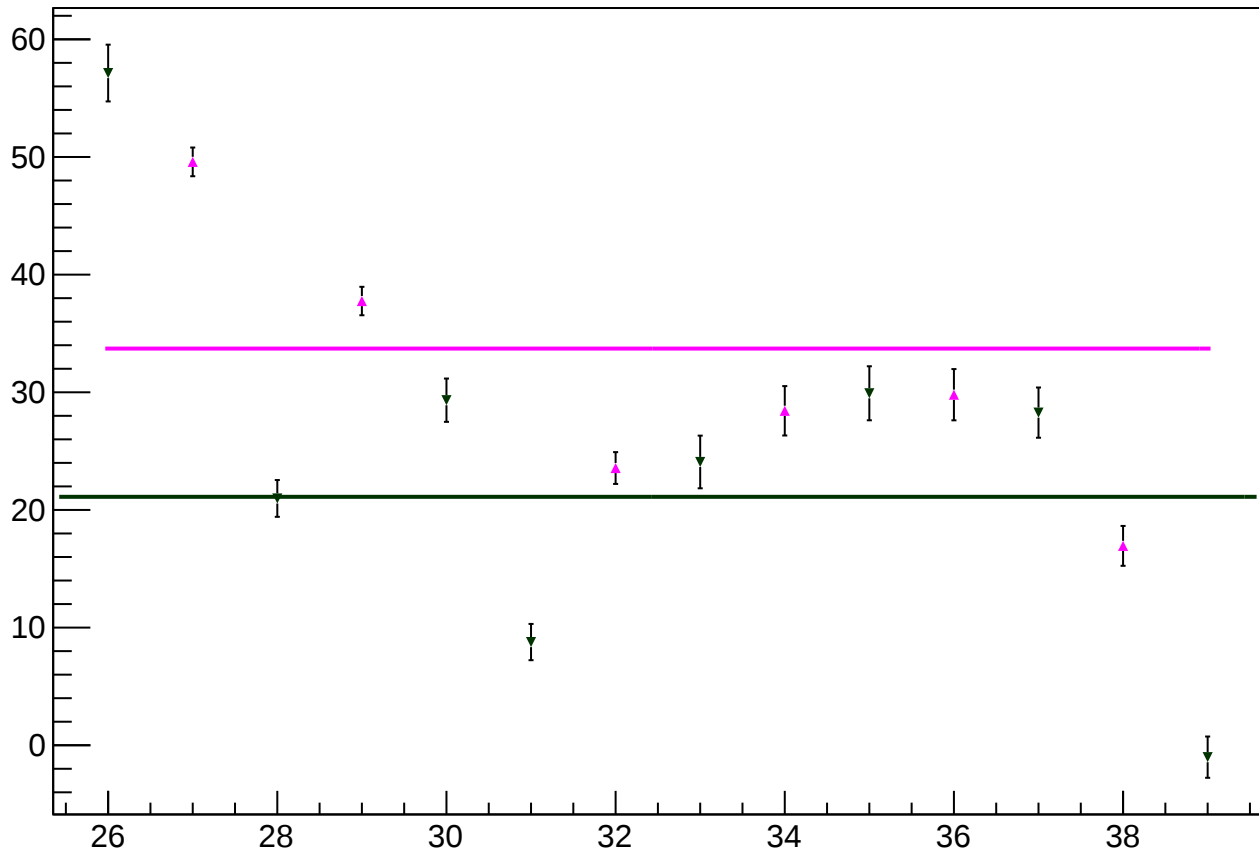
-27.643+/-0.883  $\chi^2/\text{NDF}$ : 4904.8/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-40.263+/-0.840  $\chi^2/\text{NDF}$ : 5161.3/5

Left In: -40.263+/-0.840  $\chi^2/\text{NDF}$ : 5161.3/5

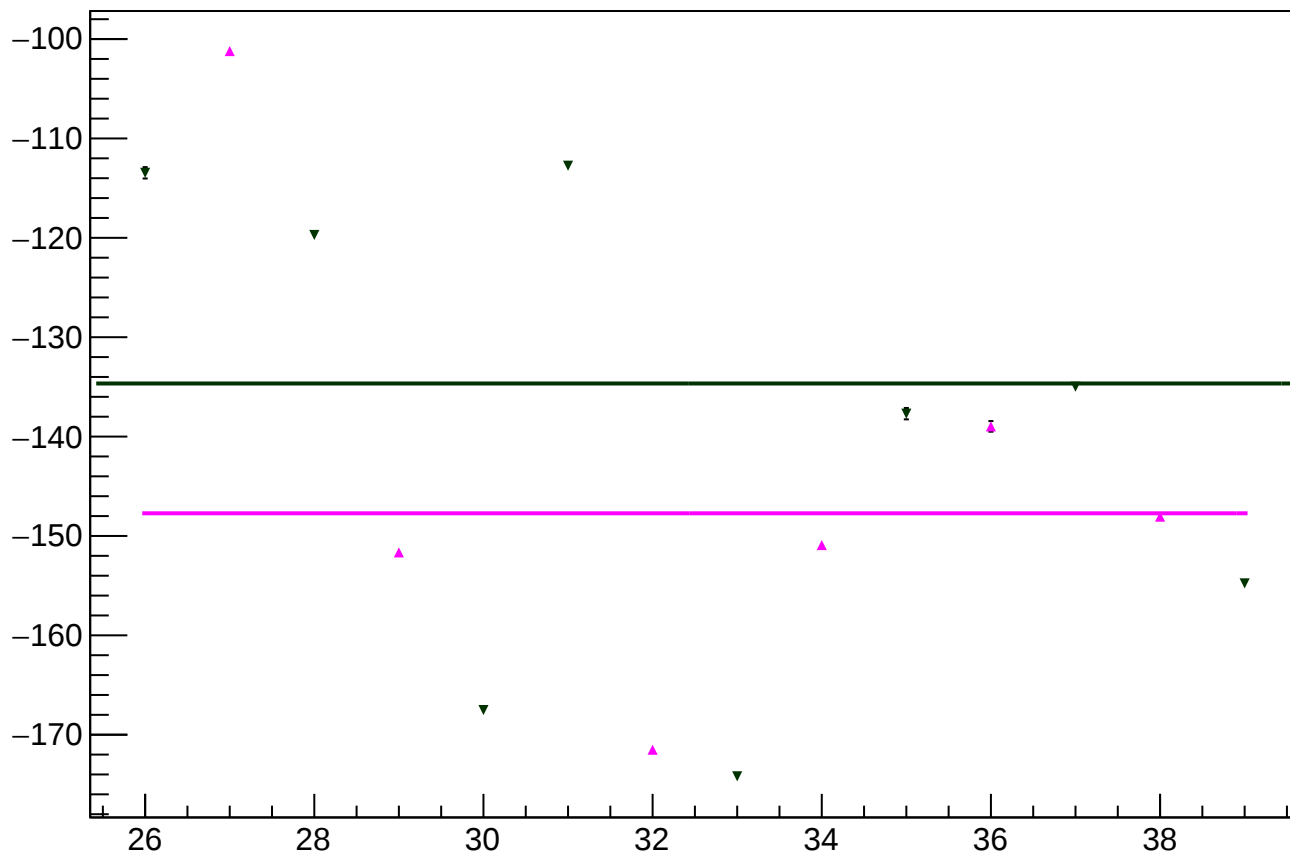
reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left Out: 21.116 $\pm$ 0.670  $\chi^2$ /NDF:493.8/7  
 Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left In: 33.716 $\pm$ 0.610  $\chi^2$ /NDF:344.2/5

21.116 $\pm$ 0.670  $\chi^2$ /NDF: 493.8/7  
 33.716 $\pm$ 0.610  $\chi^2$ /NDF: 344.2/5

# reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -134.657+/-0.138  $\chi^2/\text{NDF}$ : 28449.3/7

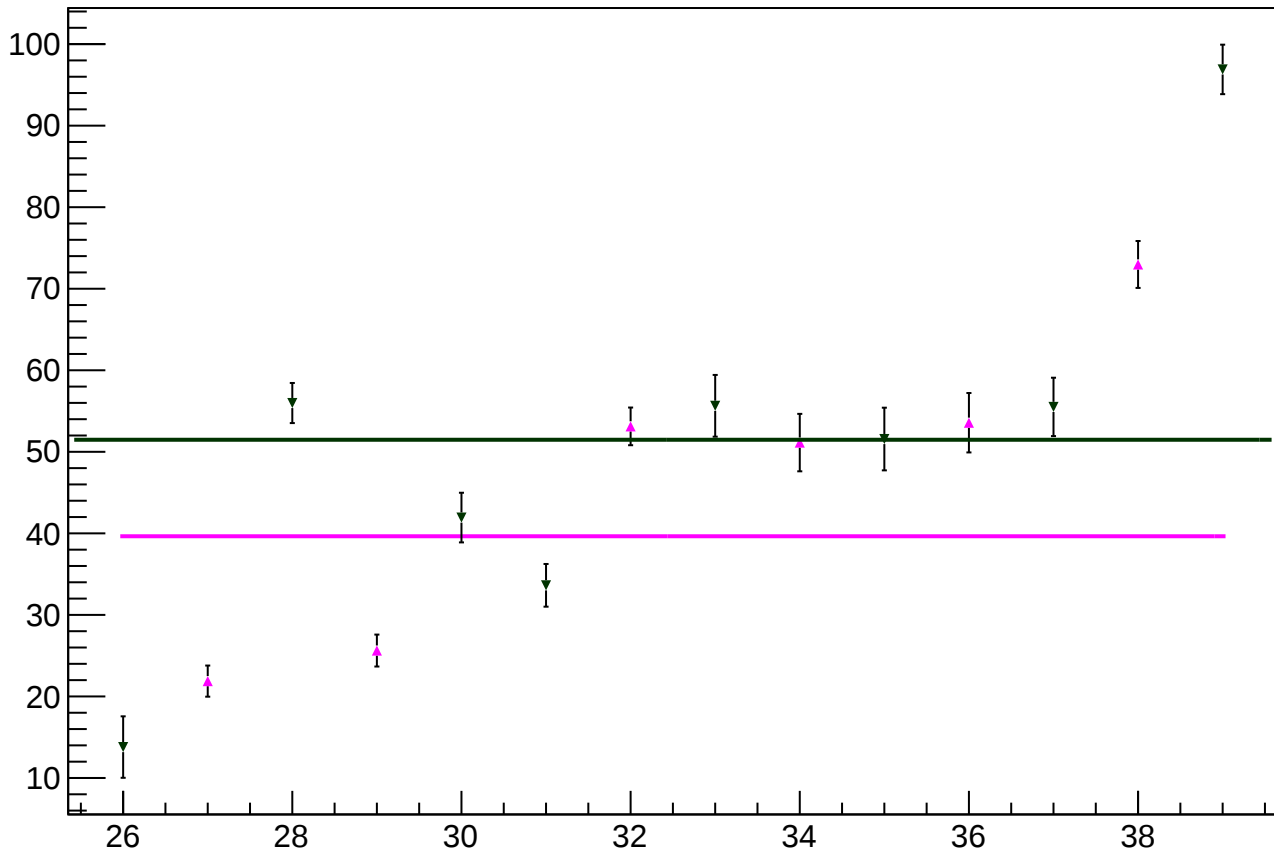
-134.657+/-0.138  $\chi^2/\text{NDF}$ : 28449.3/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -147.719+/-0.143  $\chi^2/\text{NDF}$ : 27772.9/5

-147.719+/-0.143  $\chi^2/\text{NDF}$ : 27772.9/5

# reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 51.479+/-1.109  $\chi^2/\text{NDF}$ : 386.1/7

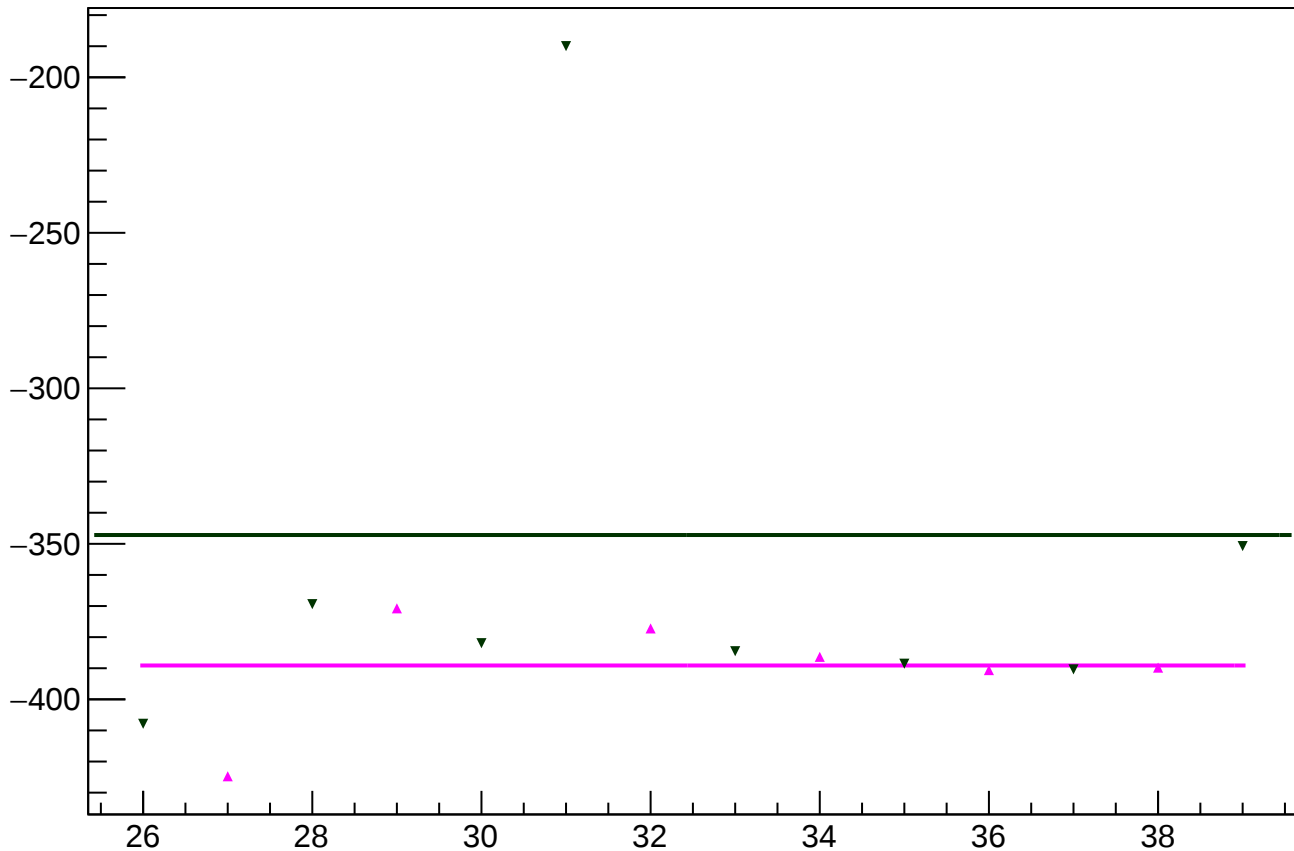
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 39.644+/-1.001  $\chi^2/\text{NDF}$ : 331.3/5

51.479+/-1.109  $\chi^2/\text{NDF}$ : 386.1/7

39.644+/-1.001  $\chi^2/\text{NDF}$ : 331.3/5

reg\_asym\_at2\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -347.165+/-0.197  $\chi^2/\text{NDF}$ : 141092.7/7

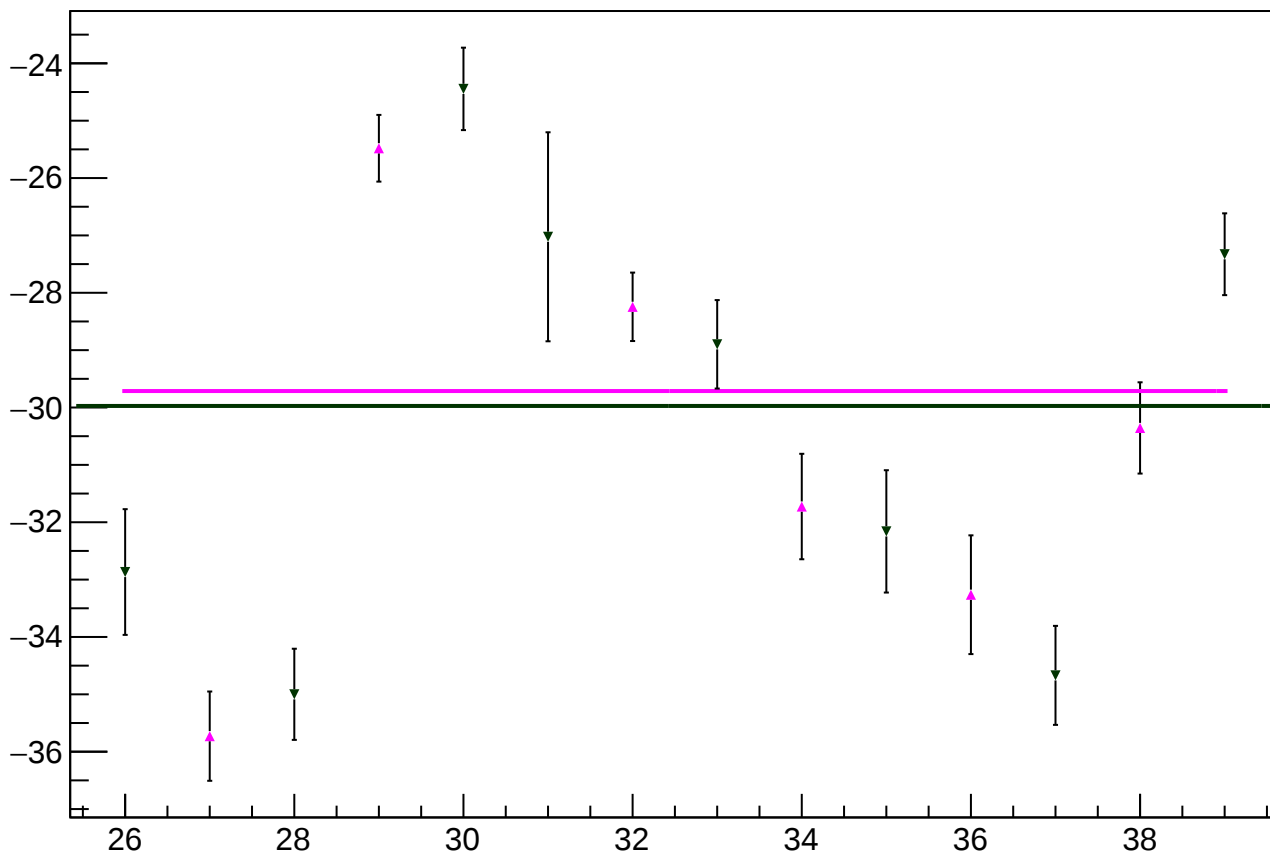
-347.165+/-0.197  $\chi^2/\text{NDF}$ : 141092.7/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-389.114+/-0.214  $\chi^2/\text{NDF}$ : 7616.5/5

Left In: -389.114+/-0.214  $\chi^2/\text{NDF}$ : 7616.5/5

# reg\_asym\_at2\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -29.973+/-0.308  $\chi^2/\text{NDF}$ :158.3/7

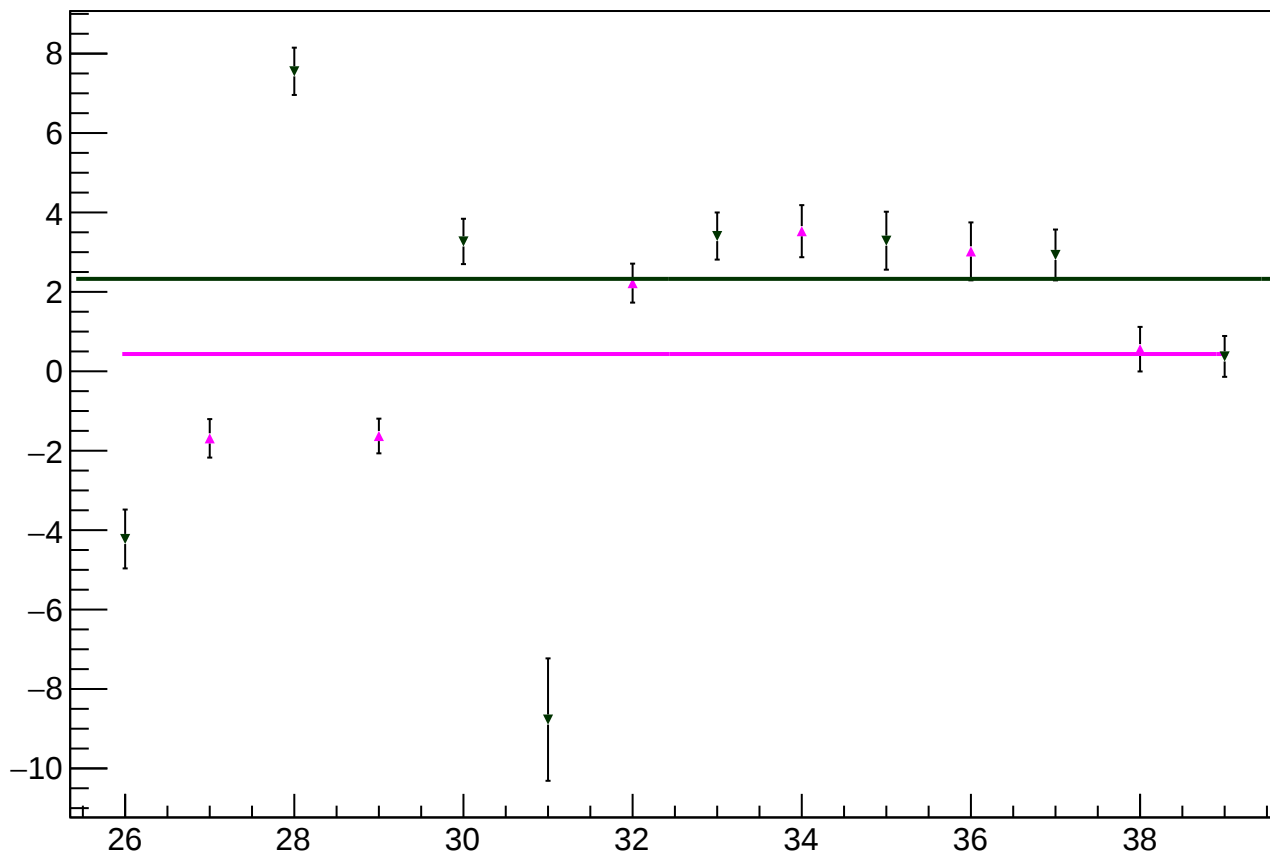
-29.973+/-0.308  $\chi^2/\text{NDF}$ : 158.3/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-29.713+/-0.300  $\chi^2/\text{NDF}$ : 136.0/5

Left In: -29.713+/-0.300  $\chi^2/\text{NDF}$ :136.0/5

# reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2.327+/-0.229  $\chi^2/\text{NDF}$ :230.1/7

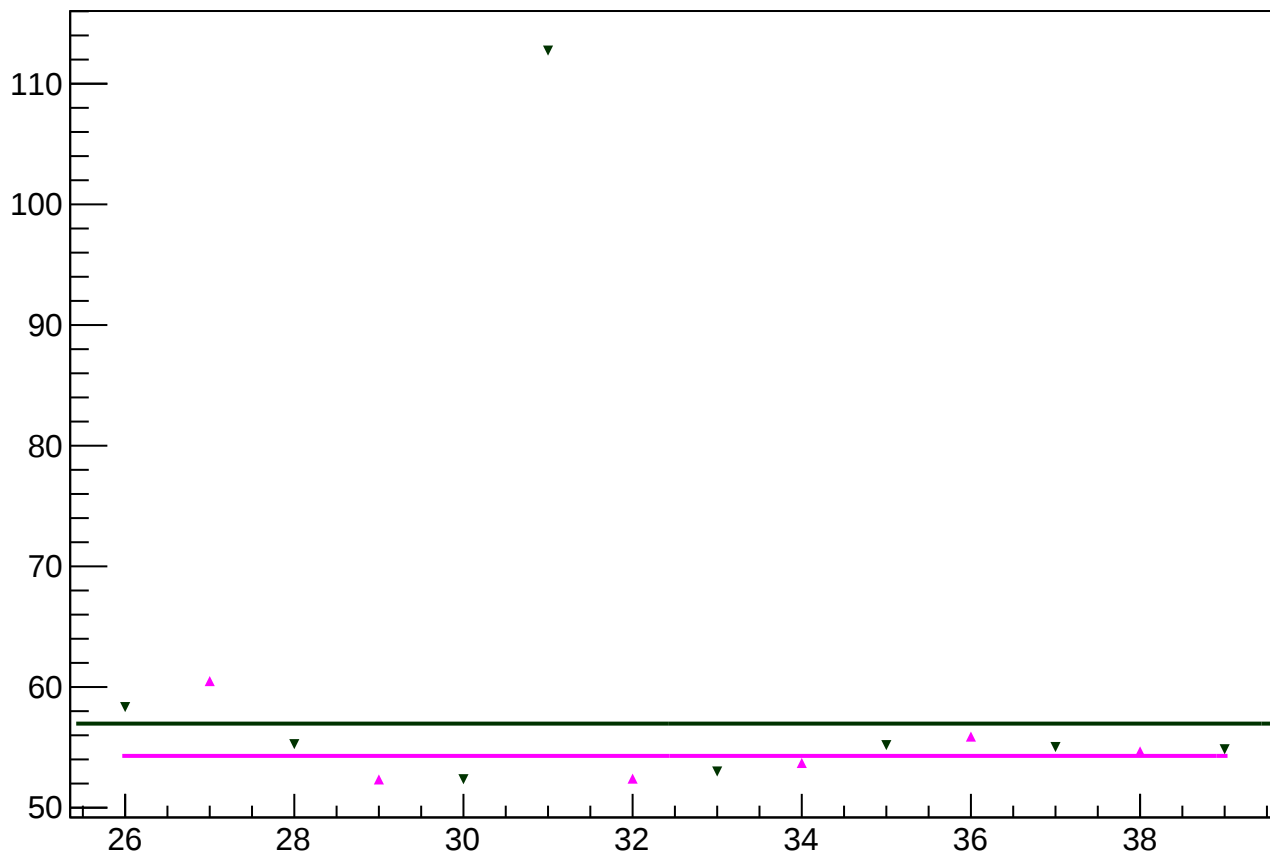
2.327+/-0.229  $\chi^2/\text{NDF}$ : 230.1/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.435+/-0.218  $\chi^2/\text{NDF}$ :89.6/5

0.435+/-0.218  $\chi^2/\text{NDF}$ : 89.6/5

# reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 56.968+/-0.050  $\chi^2/\text{NDF}$ : 55897.6/7

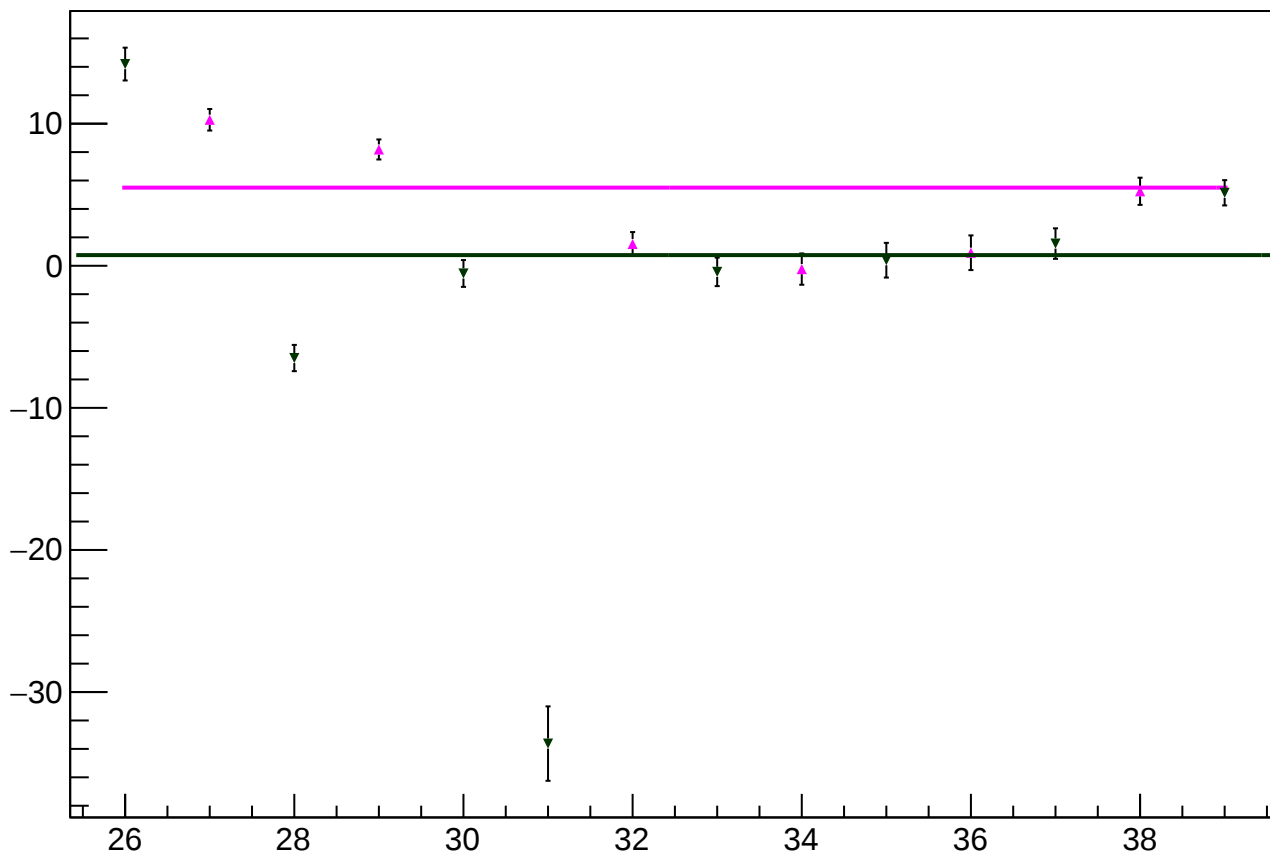
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 54.293+/-0.051  $\chi^2/\text{NDF}$ : 2814.5/5

56.968+/-0.050  $\chi^2/\text{NDF}$ : 55897.6/7

54.293+/-0.051  $\chi^2/\text{NDF}$ : 2814.5/5

reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.750+/-0.378  $\chi^2/\text{NDF}$ : 397.6/7

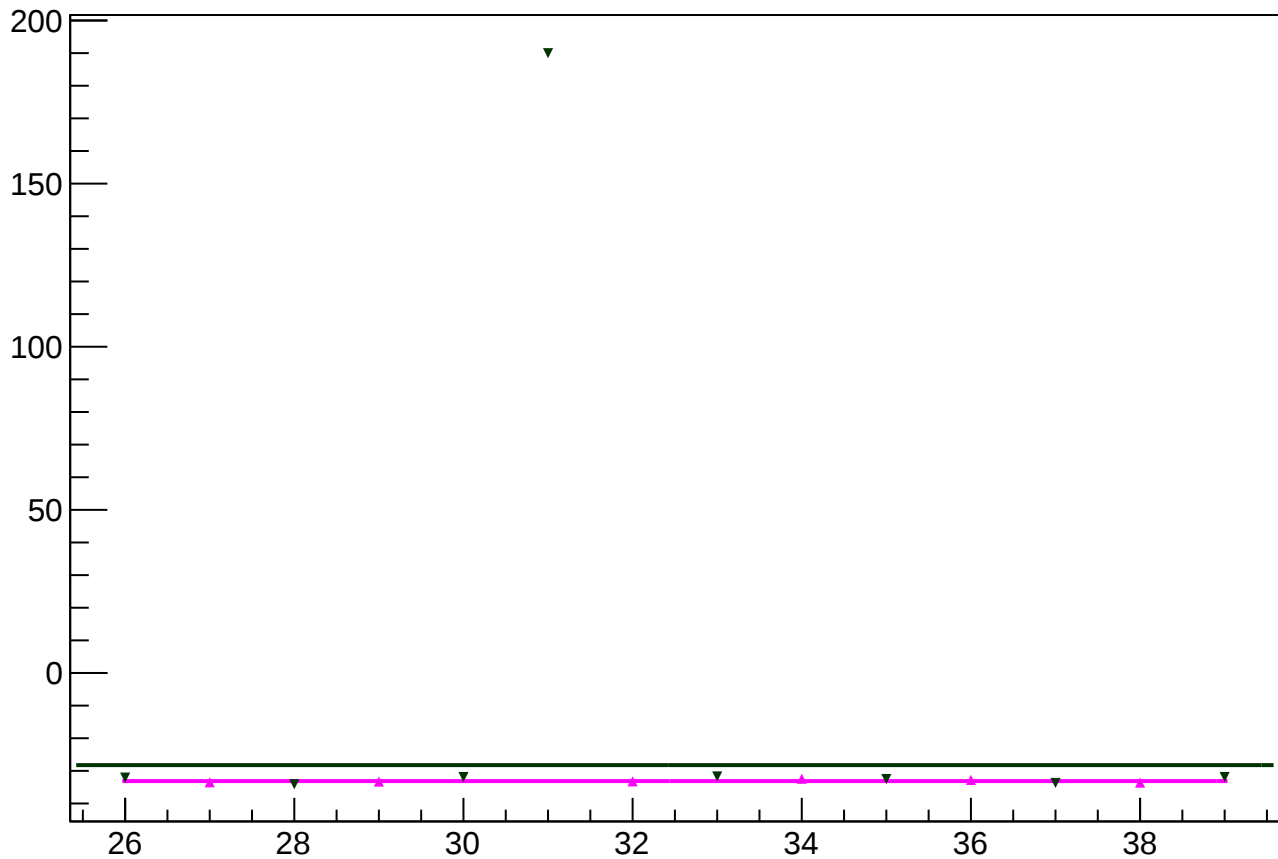
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 5.500+/-0.359  $\chi^2/\text{NDF}$ : 117.8/5

0.750+/-0.378  $\chi^2/\text{NDF}$ : 397.6/7

5.500+/-0.359  $\chi^2/\text{NDF}$ : 117.8/5

# reg\_asym\_at2\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -28.238+/-0.065  $\chi^2/\text{NDF}$ : 219916.1/7

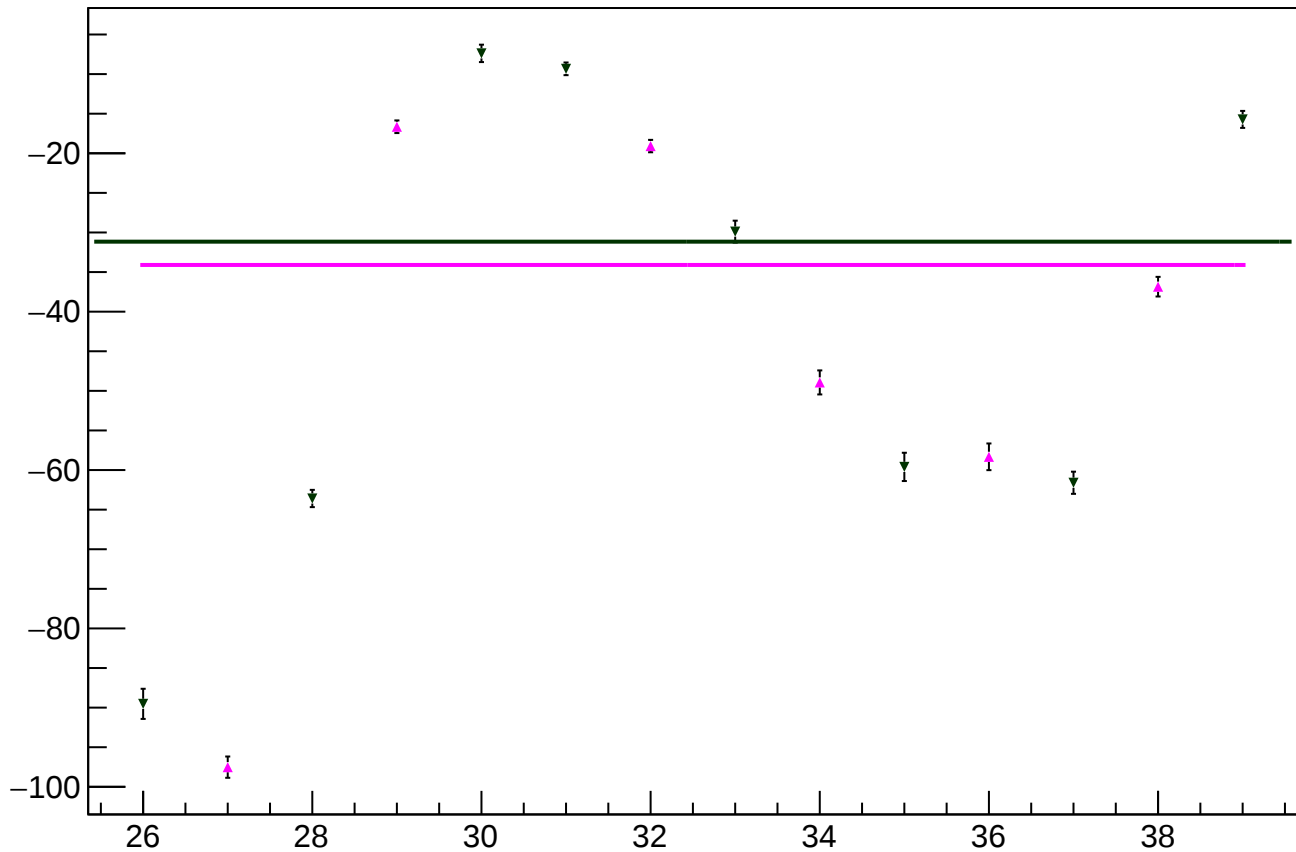
-28.238+/-0.065  $\chi^2/\text{NDF}$ : 219916.1/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-33.132+/-0.075  $\chi^2/\text{NDF}$ : 28.1/5

Left In: -33.132+/-0.075  $\chi^2/\text{NDF}$ : 28.1/5

# reg\_asym\_atl1r2\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -31.160+/-0.418  $\chi^2/\text{NDF}$ : 3974.0/7

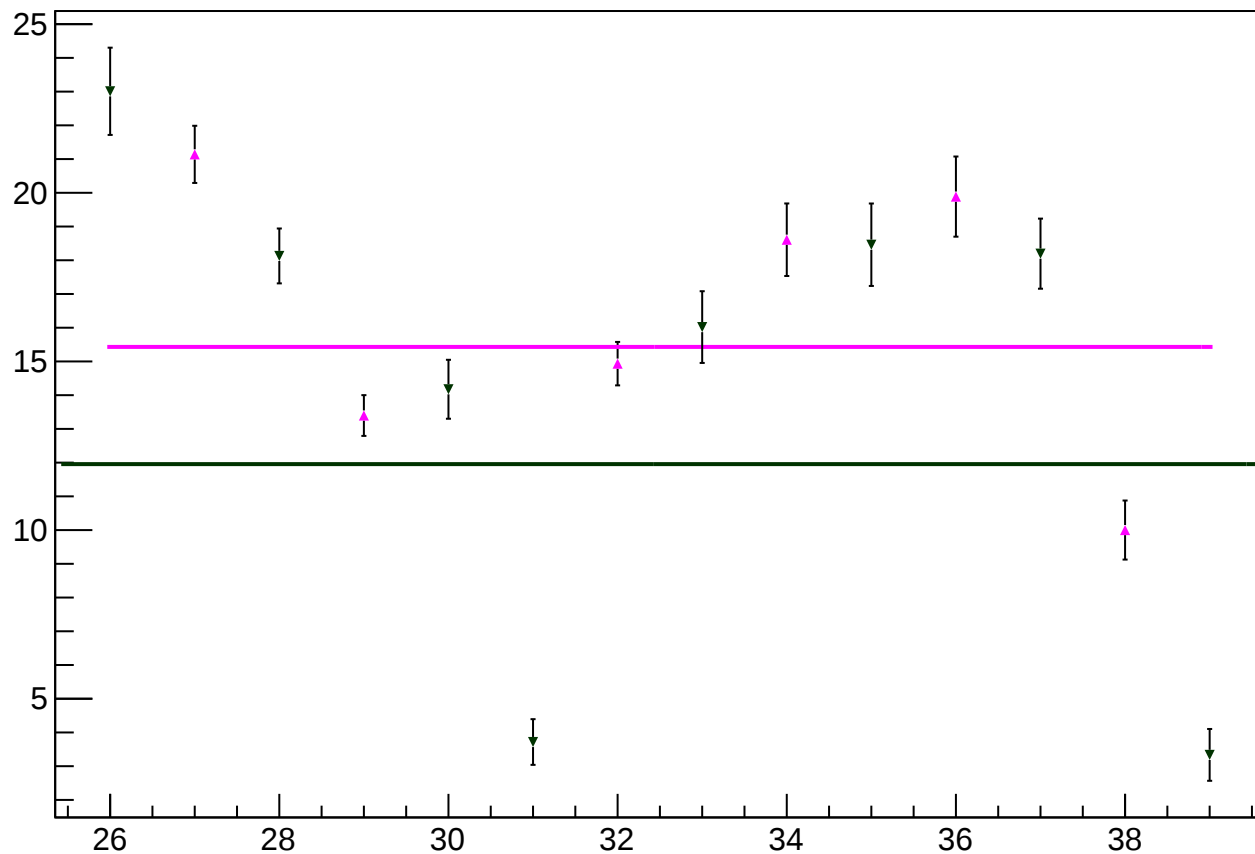
-31.160+/-0.418  $\chi^2/\text{NDF}$ : 3974.0/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-34.102+/-0.439  $\chi^2/\text{NDF}$ : 3378.5/5

Left In: -34.102+/-0.439  $\chi^2/\text{NDF}$ : 3378.5/5

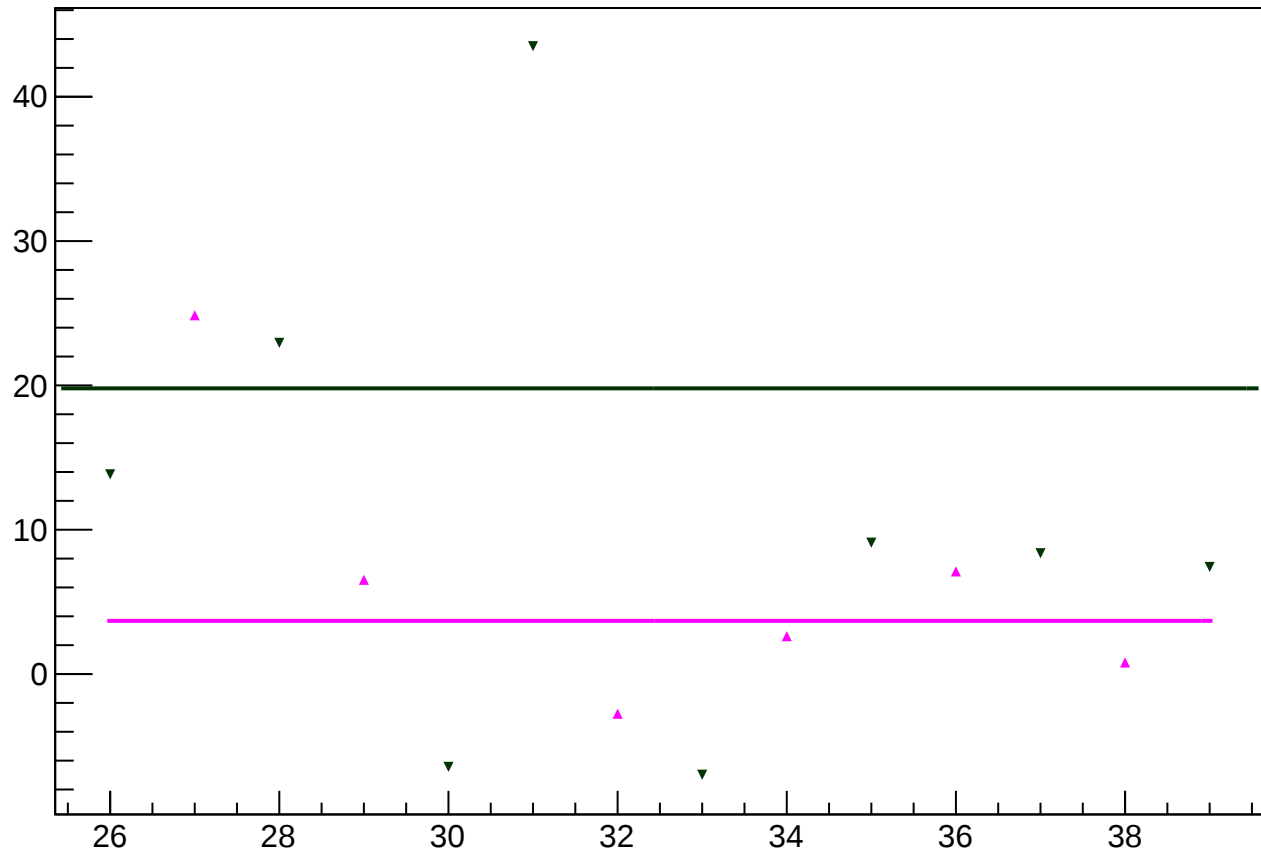
reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 11.956+/-0.320  $\chi^2/\text{NDF}$ : 489.9/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 15.431+/-0.326  $\chi^2/\text{NDF}$ : 118.6/5

11.956+/-0.320  $\chi^2/\text{NDF}$ : 489.9/7  
 15.431+/-0.326  $\chi^2/\text{NDF}$ : 118.6/5

reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 19.795+/-0.064  $\chi^2/\text{NDF}$ : 94759.1/7

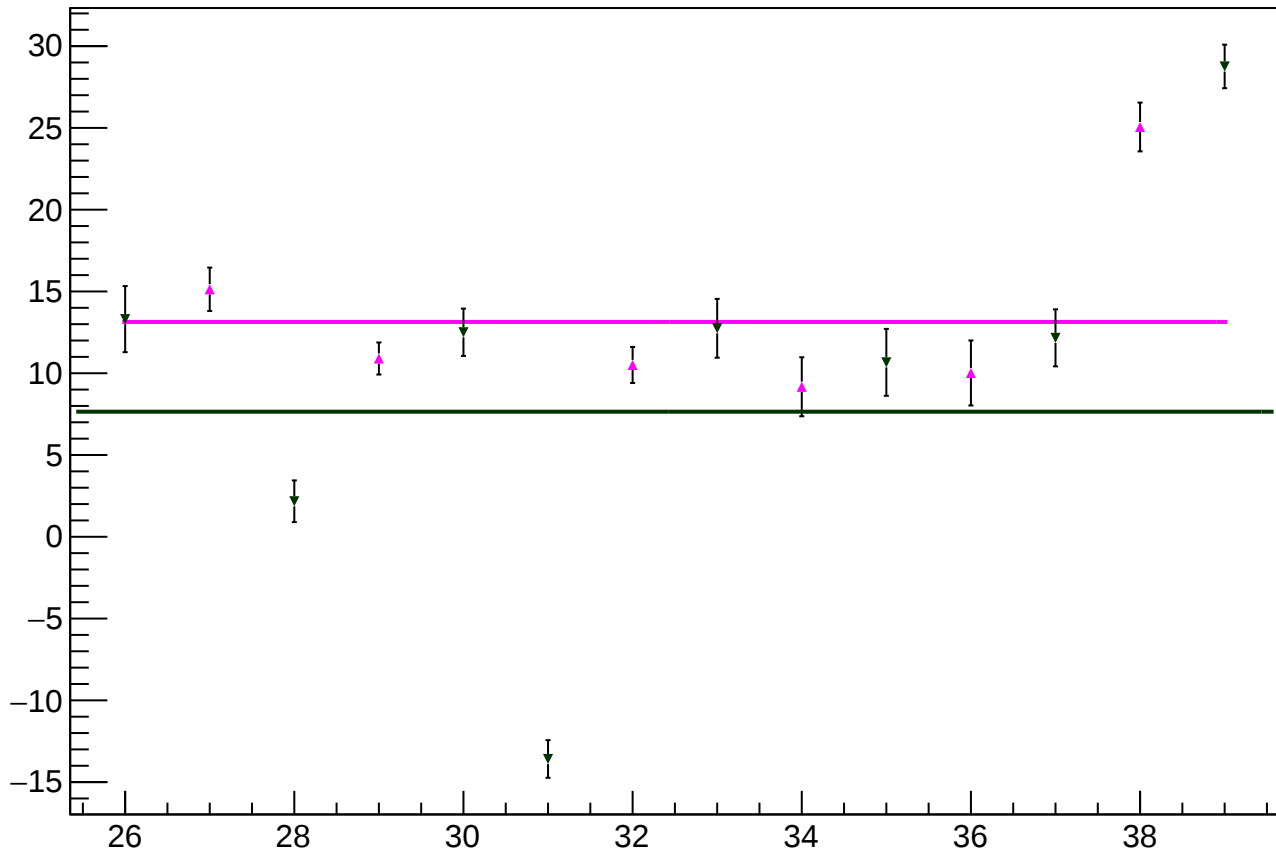
19.795+/-0.064  $\chi^2/\text{NDF}$ : 94759.1/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3.686+/-0.074  $\chi^2/\text{NDF}$ : 11563.4/5

3.686+/-0.074  $\chi^2/\text{NDF}$ : 11563.4/5

reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs slug

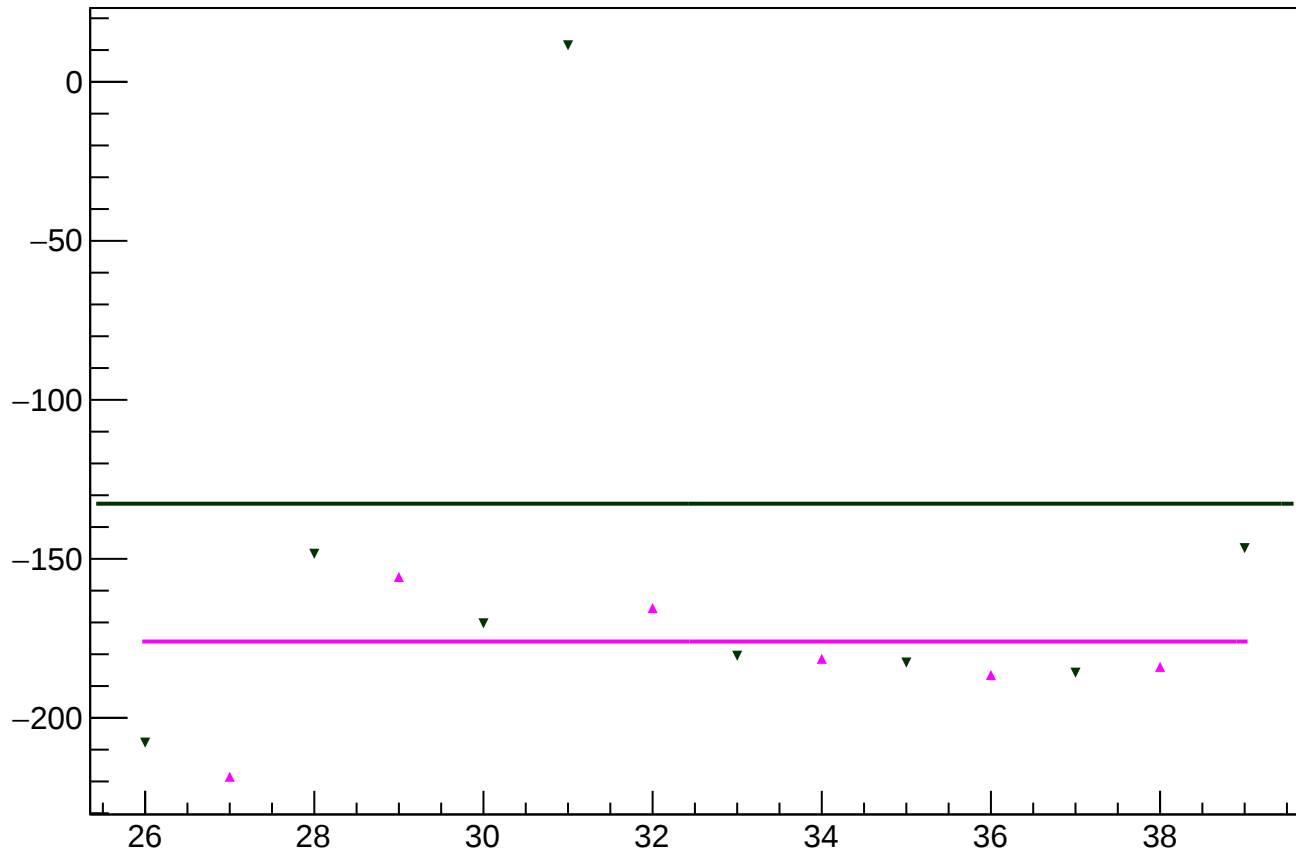


Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 7.648+/-0.532  $\chi^2/\text{NDF}$ : 646.3/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 13.136+/-0.539  $\chi^2/\text{NDF}$ : 84.4/5

7.648+/-0.532  $\chi^2/\text{NDF}$ : 646.3/7

13.136+/-0.539  $\chi^2/\text{NDF}$ : 84.4/5

reg\_asym\_atl1r2\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -132.655+/-0.095  $\chi^2/\text{NDF}$ : 649818.6/7

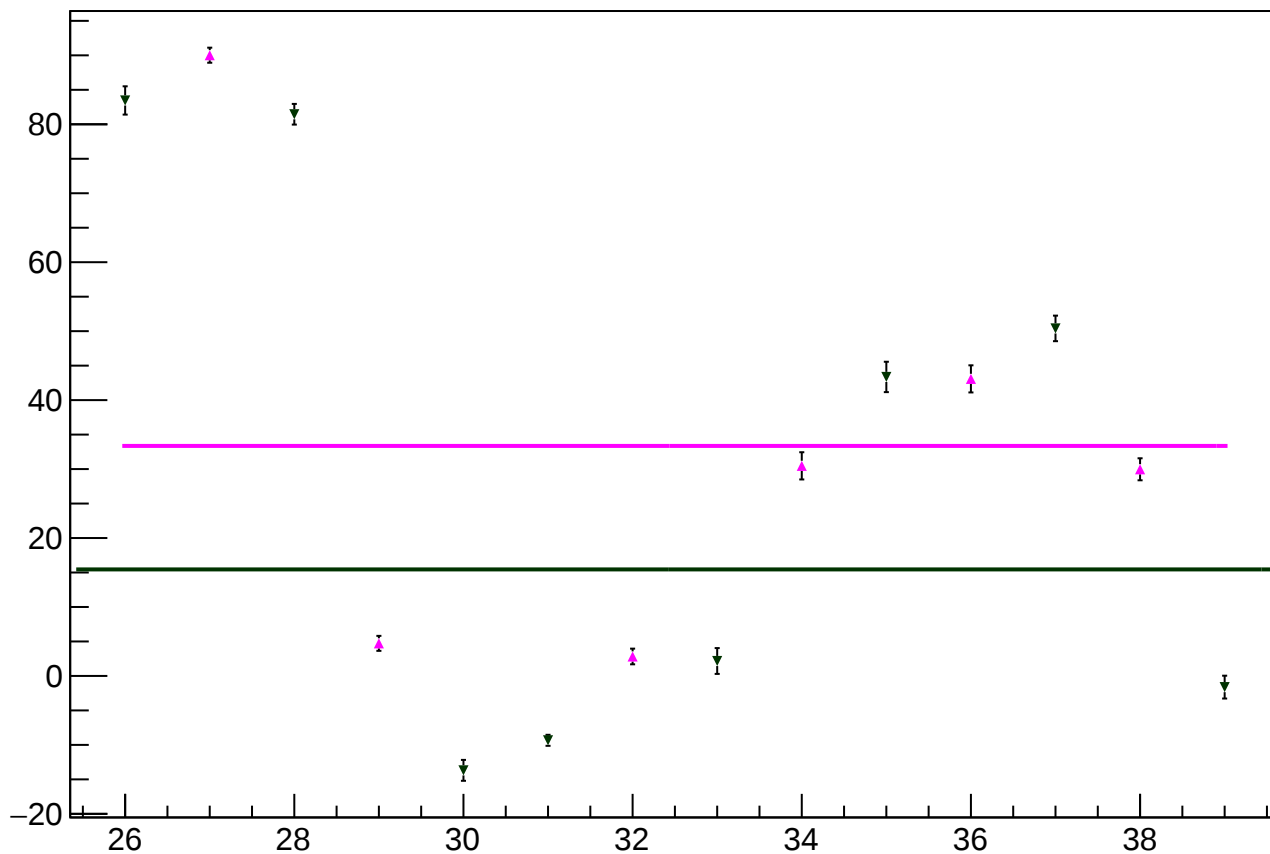
-132.655+/-0.095  $\chi^2/\text{NDF}$ : 649818.6/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -175.995+/-0.113  $\chi^2/\text{NDF}$ : 28630.7/5

-175.995+/-0.113  $\chi^2/\text{NDF}$ : 28630.7/5

# reg\_asym\_atl1r2\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 15.448+/-0.511  $\chi^2/\text{NDF}$ :5040.2/7

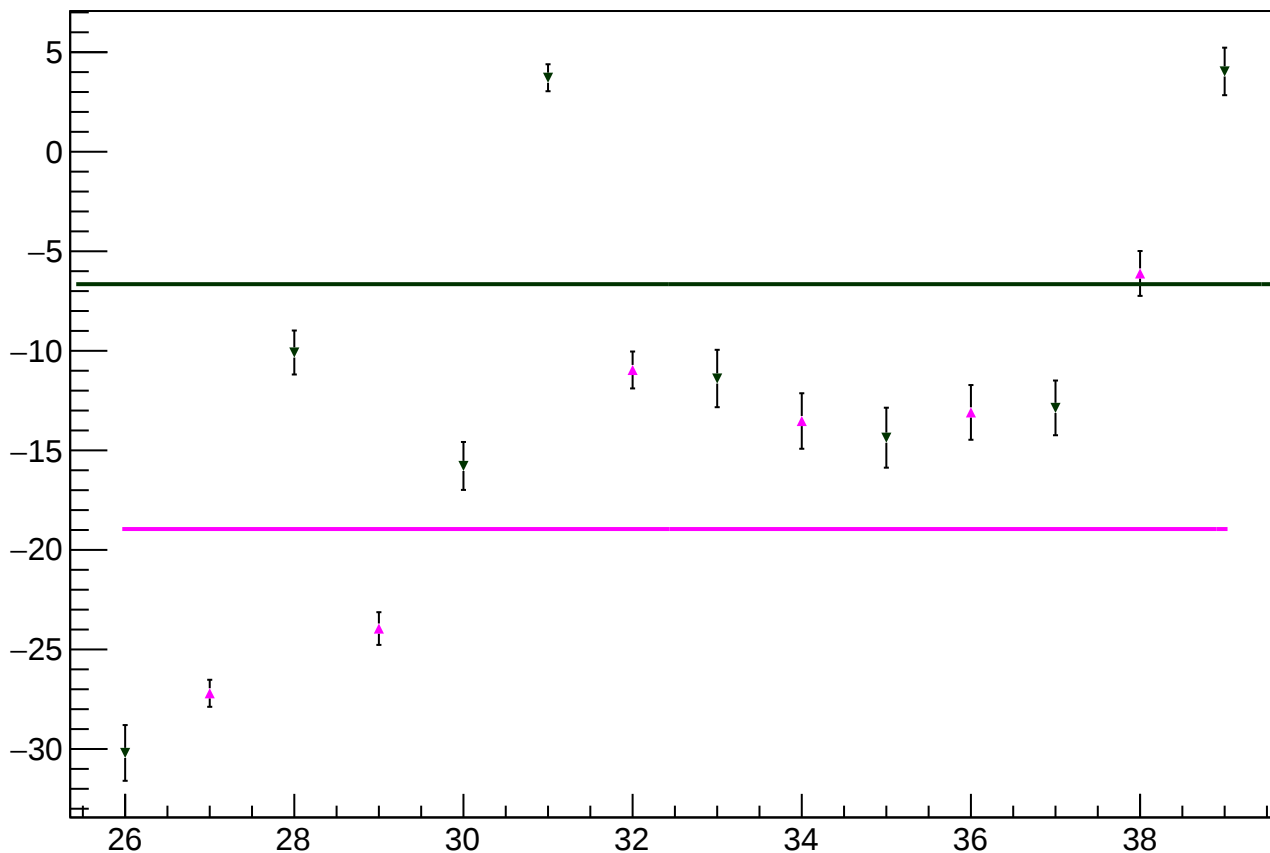
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 33.358+/-0.545  $\chi^2/\text{NDF}$ :4136.5/5

15.448+/-0.511  $\chi^2/\text{NDF}$ : 5040.2/7

33.358+/-0.545  $\chi^2/\text{NDF}$ : 4136.5/5

# reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -6.652+/-0.397  $\chi^2/\text{NDF}$ : 722.0/7

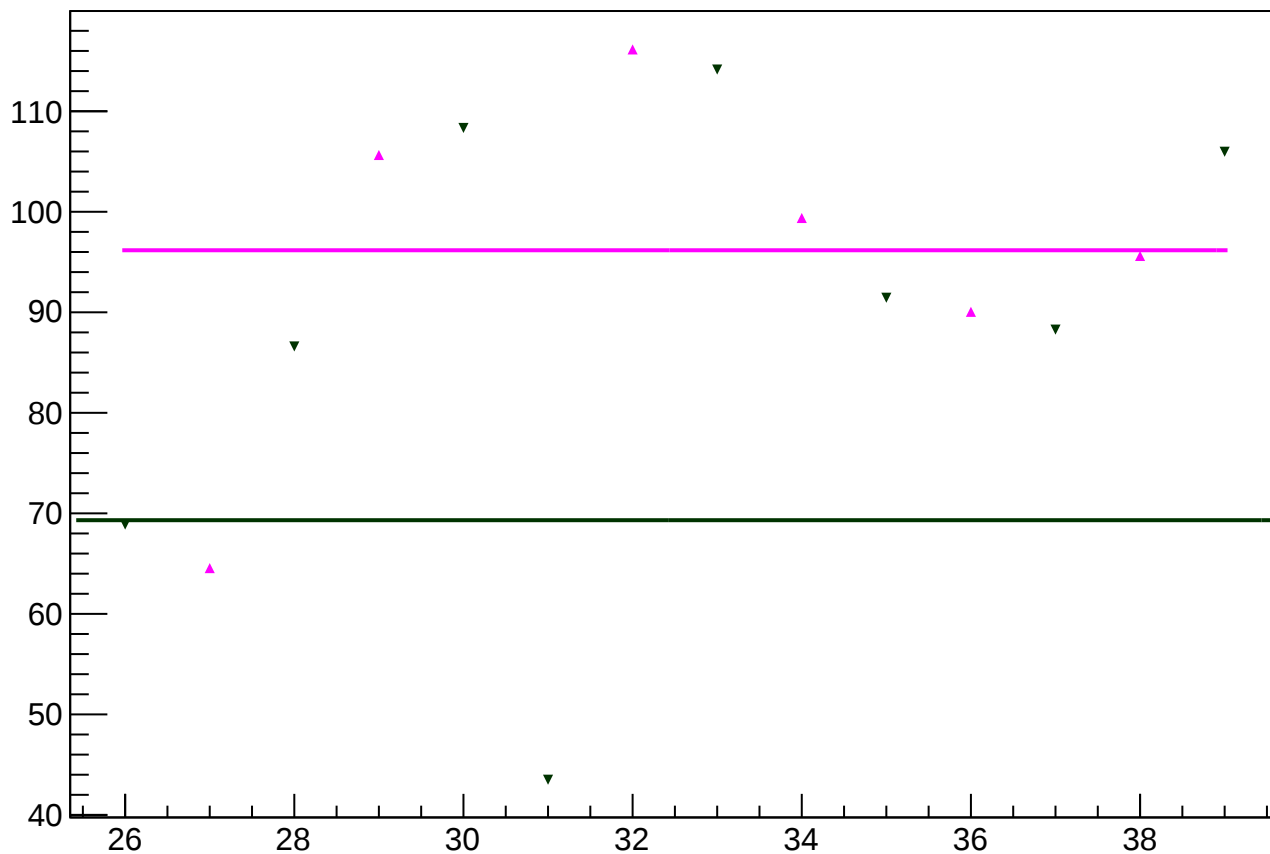
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -18.951+/-0.388  $\chi^2/\text{NDF}$ : 422.0/5

-6.652+/-0.397  $\chi^2/\text{NDF}$ : 722.0/7

-18.951+/-0.388  $\chi^2/\text{NDF}$ : 422.0/5

# reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 69.319+/-0.076  $\chi^2/\text{NDF}$ :136487.9/7

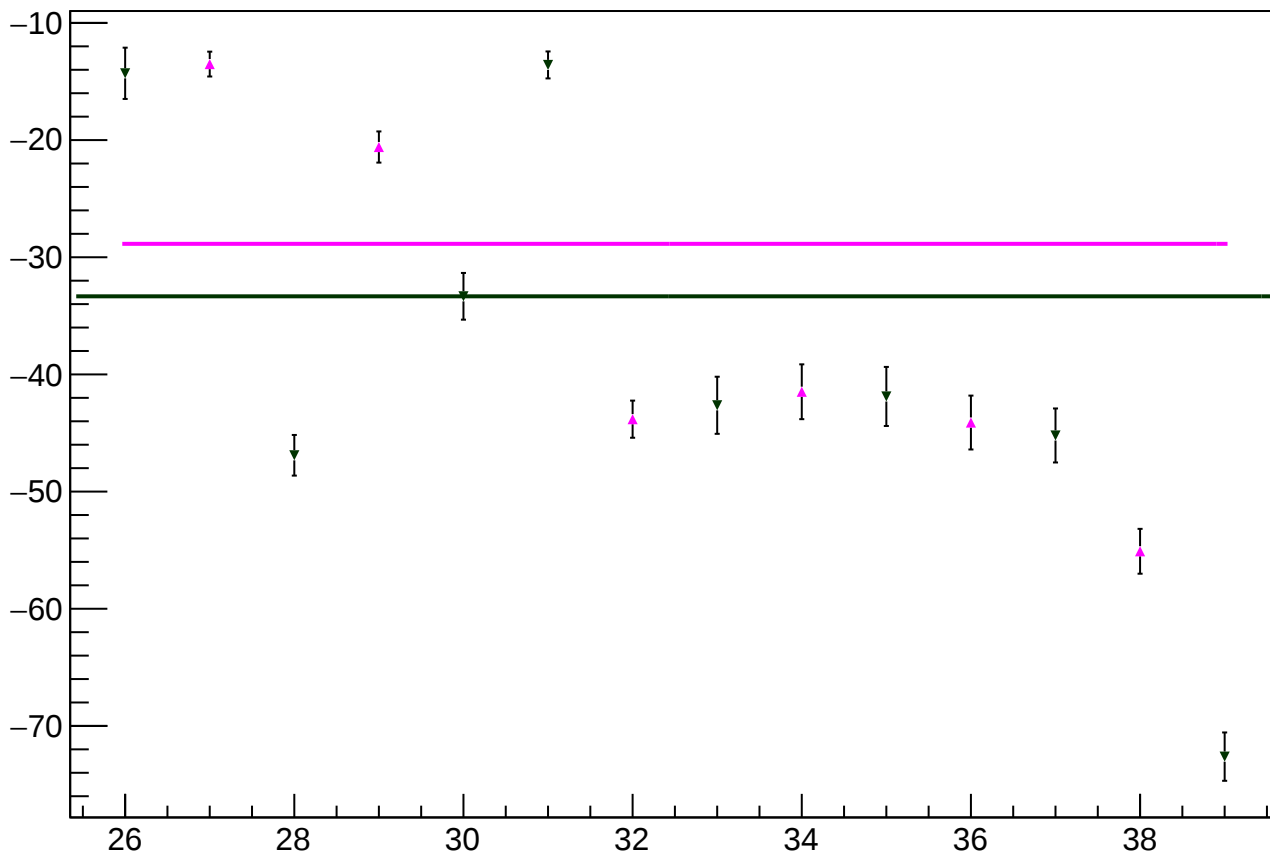
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 96.172+/-0.093  $\chi^2/\text{NDF}$ :42367.6/5

69.319+/-0.076  $\chi^2/\text{NDF}$ : 136487.9/7

96.172+/-0.093  $\chi^2/\text{NDF}$ : 42367.6/5

# reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -33.334+/-0.660  $\chi^2/\text{NDF}$ : 846.7/7

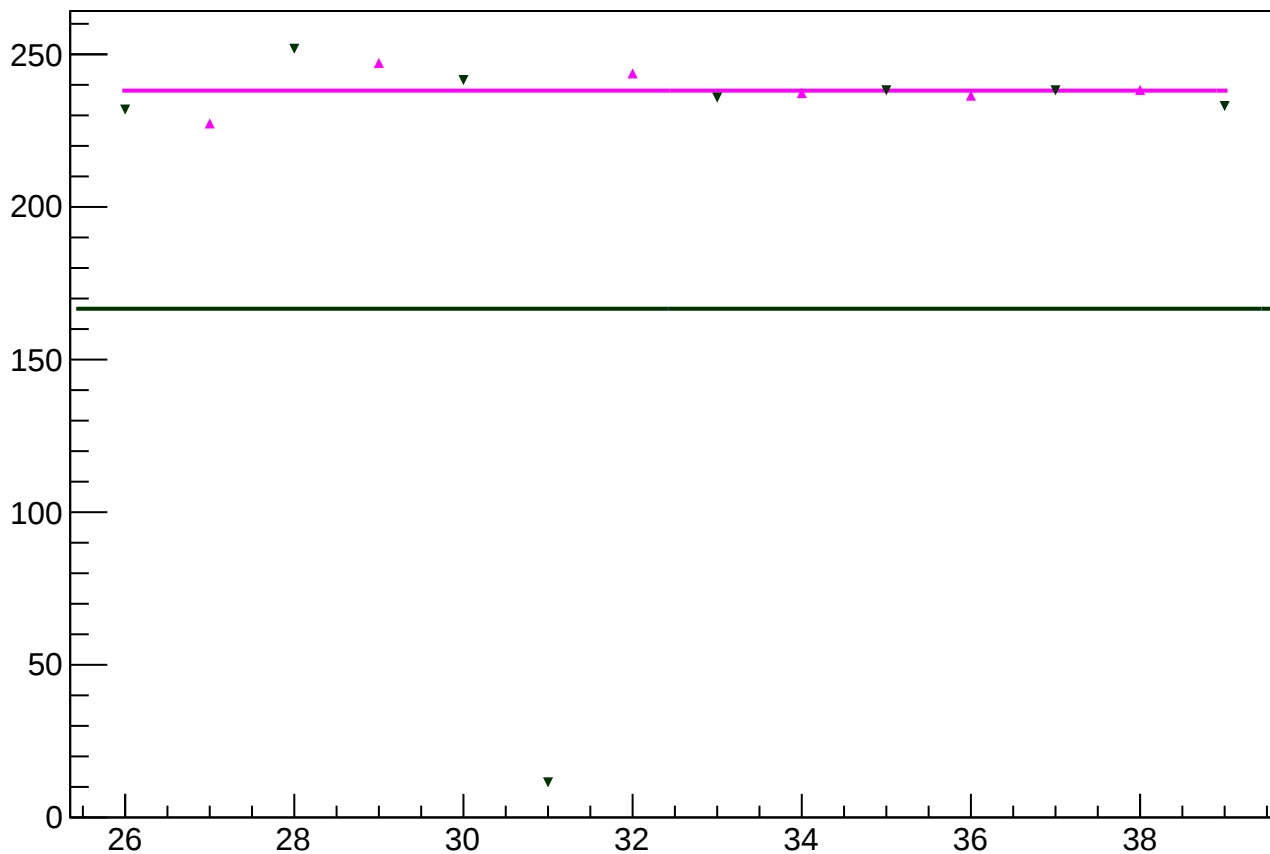
-33.334+/-0.660  $\chi^2/\text{NDF}$ : 846.7/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -28.855+/-0.633  $\chi^2/\text{NDF}$ : 598.2/5

-28.855+/-0.633  $\chi^2/\text{NDF}$ : 598.2/5

# reg\_asym\_atl1r2\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 166.656+/-0.117  $\chi^2/\text{NDF}$ : 829704.2/7

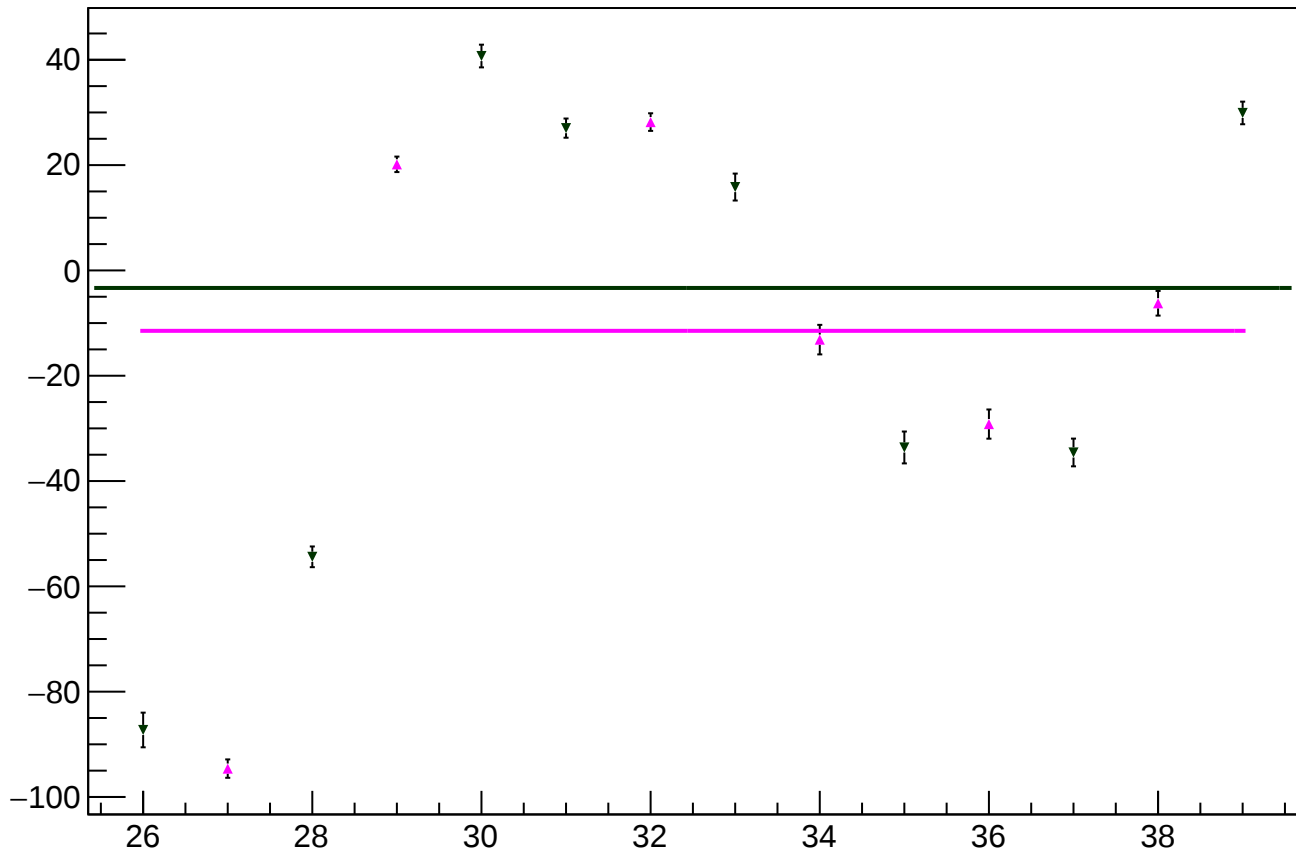
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 238.103+/-0.138  $\chi^2/\text{NDF}$ : 2712.3/5

166.656+/-0.117  $\chi^2/\text{NDF}$ : 829704.2/7

238.103+/-0.138  $\chi^2/\text{NDF}$ : 2712.3/5

# reg\_asym\_atr1l2\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -3.330+/-0.819  $\chi^2/\text{NDF}$ : 2555.9/7

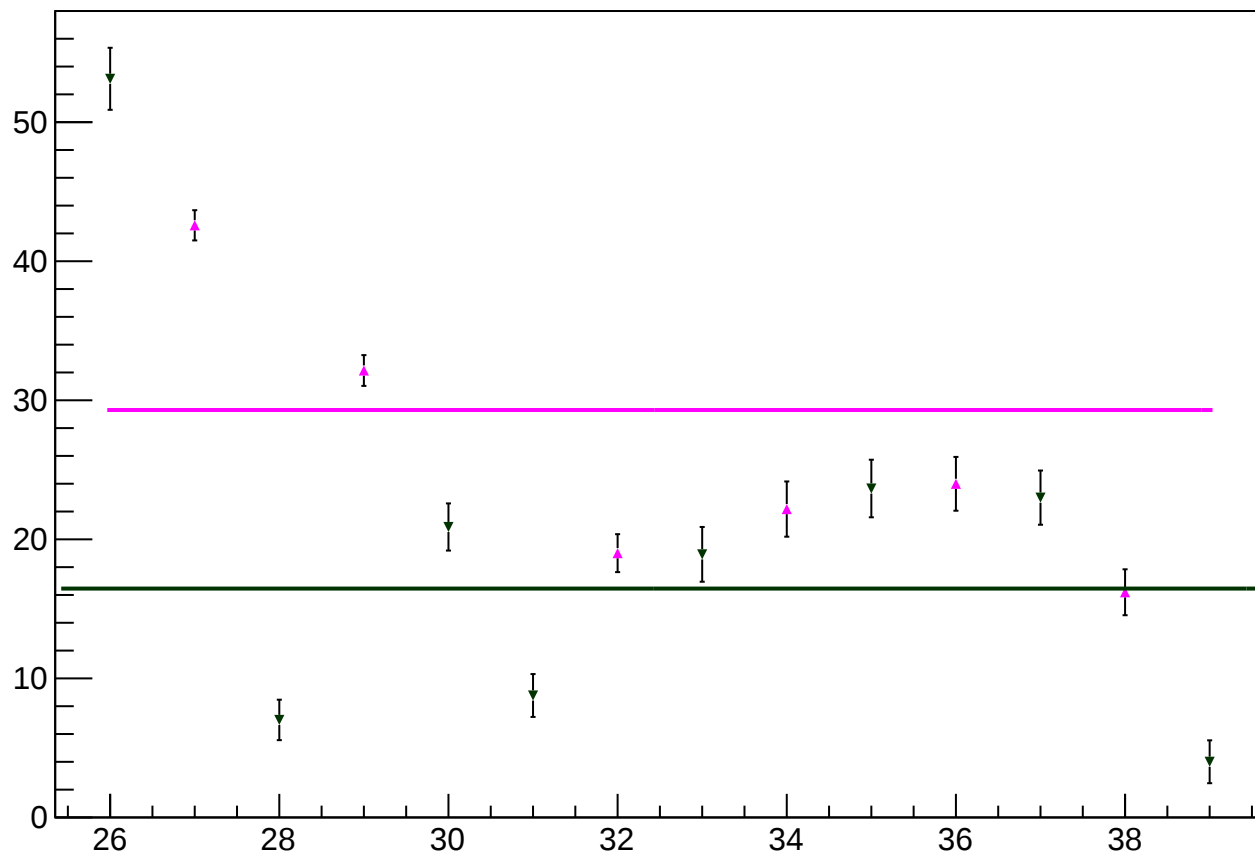
-3.330+/-0.819  $\chi^2/\text{NDF}$ : 2555.9/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-11.474+/-0.794  $\chi^2/\text{NDF}$ : 3336.3/5

Left In: -11.474+/-0.794  $\chi^2/\text{NDF}$ : 3336.3/5

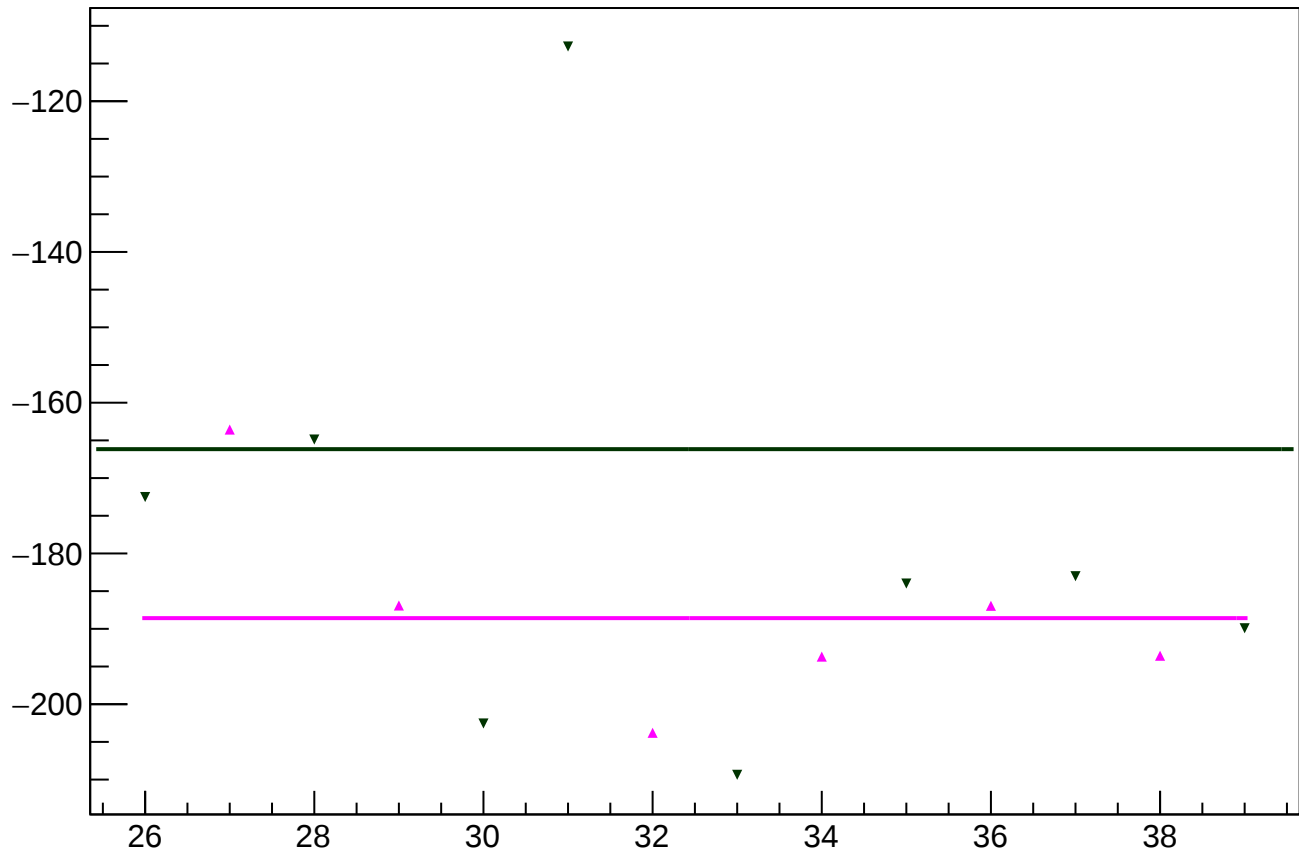
reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 16.460+/-0.618  $\chi^2/\text{NDF}$ : 434.1/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 29.301+/-0.569  $\chi^2/\text{NDF}$ : 296.3/5

16.460+/-0.618  $\chi^2/\text{NDF}$ : 434.1/7  
 29.301+/-0.569  $\chi^2/\text{NDF}$ : 296.3/5

reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -166.162+/-0.129  $\chi^2/\text{NDF}$ : 77114.4/7

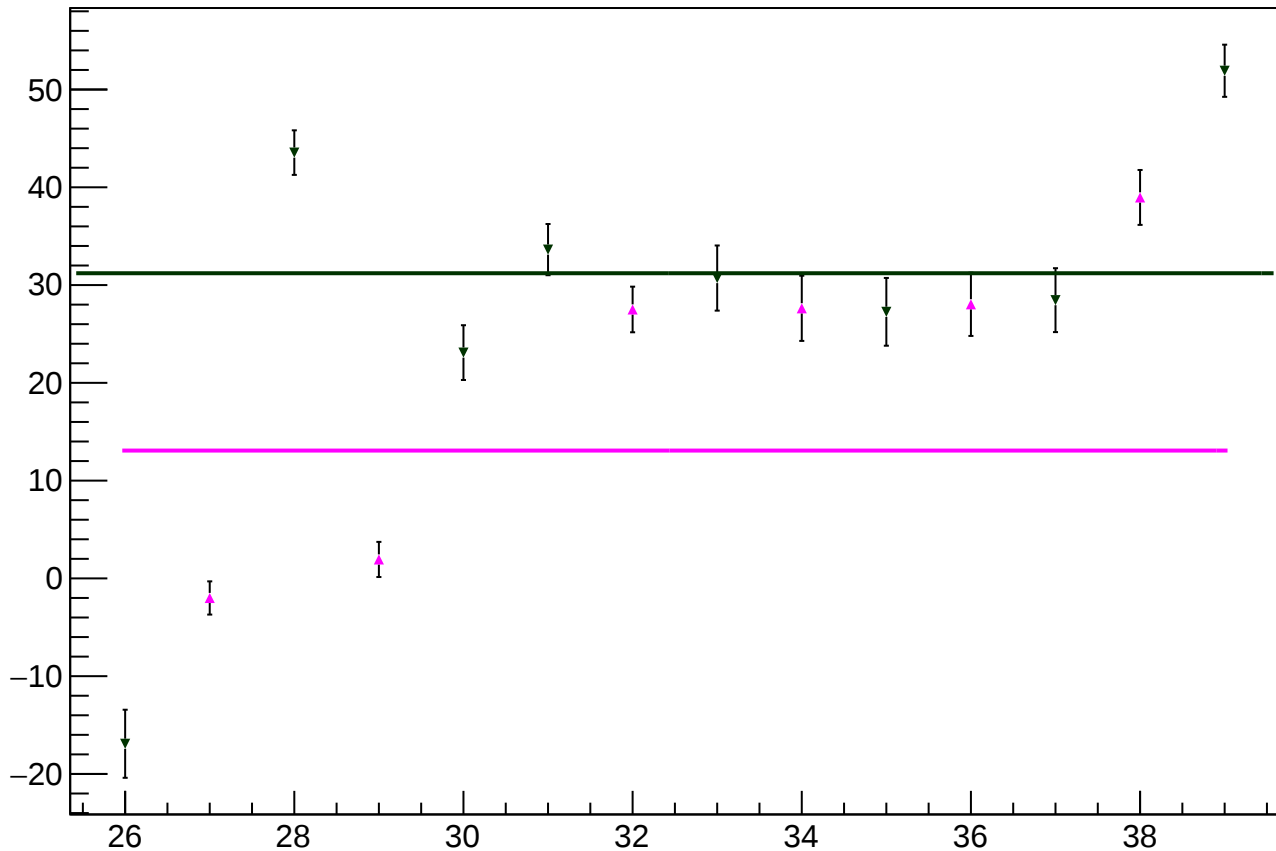
-166.162+/-0.129  $\chi^2/\text{NDF}$ : 77114.4/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-188.581+/-0.136  $\chi^2/\text{NDF}$ : 10248.3/5

Left In: -188.581+/-0.136  $\chi^2/\text{NDF}$ : 10248.3/5

reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 31.210+/-1.023  $\chi^2/\text{NDF}$ : 292.0/7

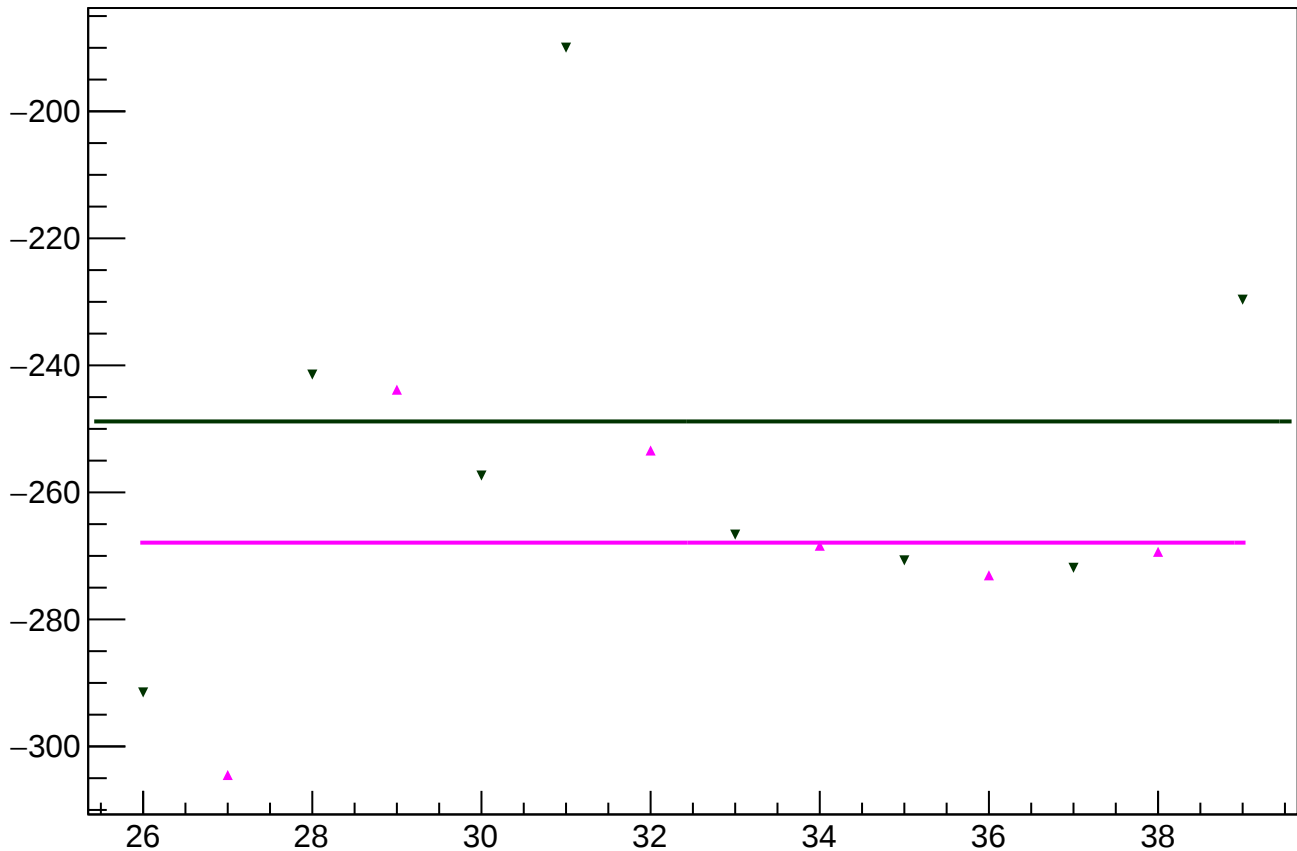
31.210+/-1.023  $\chi^2/\text{NDF}$ : 292.0/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

13.074+/-0.932  $\chi^2/\text{NDF}$ : 280.8/5

Left In: 13.074+/-0.932  $\chi^2/\text{NDF}$ : 280.8/5

reg\_asym\_atr1l2\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -248.828+/-0.181  $\chi^2/\text{NDF}$ : 27653.7/7

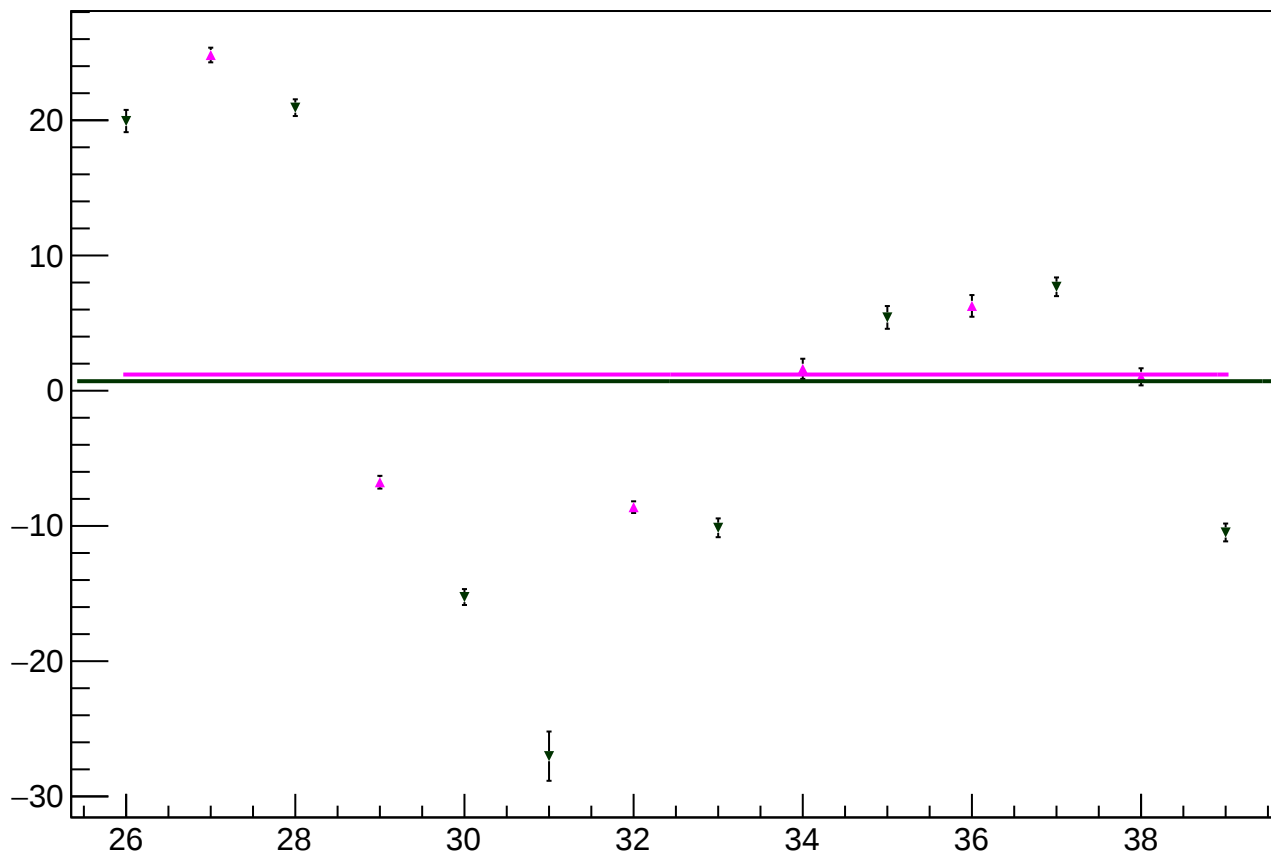
-248.828+/-0.181  $\chi^2/\text{NDF}$ : 27653.7/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-267.914+/-0.200  $\chi^2/\text{NDF}$ : 11408.4/5

Left In: -267.914+/-0.200  $\chi^2/\text{NDF}$ : 11408.4/5

# reg\_asym\_atr1l2\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.704+/-0.257  $\chi^2/\text{NDF}$ : 3247.7/7

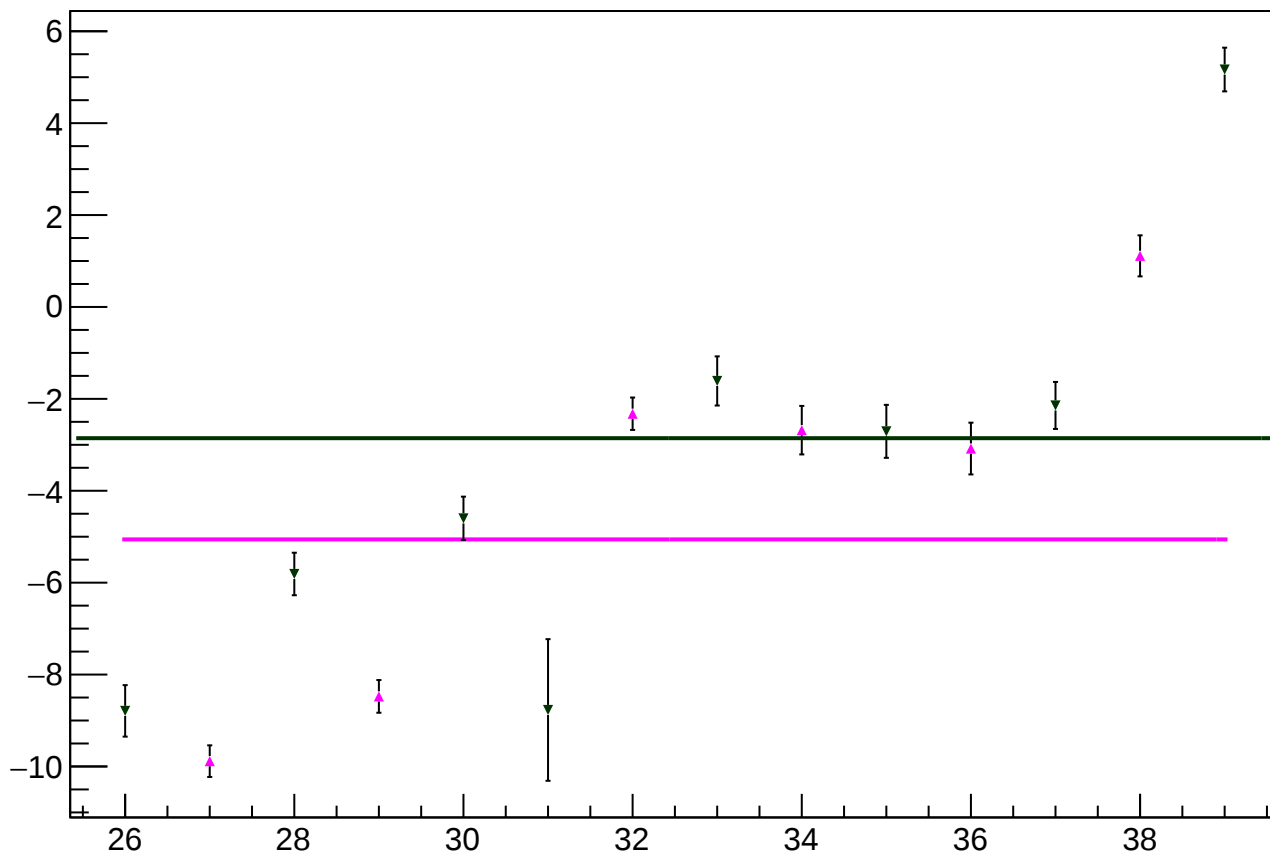
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1.197+/-0.229  $\chi^2/\text{NDF}$ : 2735.8/5

0.704+/-0.257  $\chi^2/\text{NDF}$ : 3247.7/7

1.197+/-0.229  $\chi^2/\text{NDF}$ : 2735.8/5

# reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -2.856+/-0.191  $\chi^2/\text{NDF}$ : 473.4/7

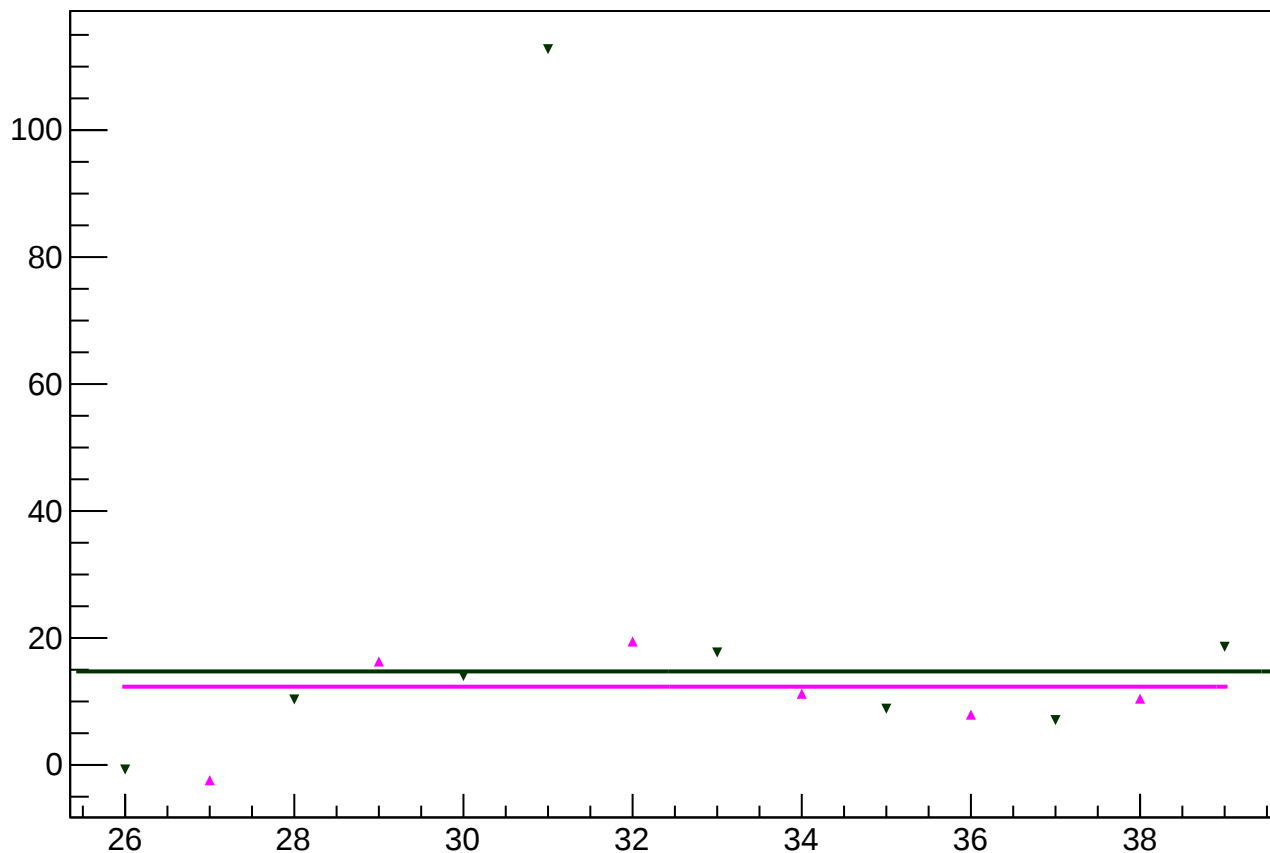
-2.856+/-0.191  $\chi^2/\text{NDF}$ : 473.4/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-5.059+/-0.166  $\chi^2/\text{NDF}$ : 572.5/5

Left In: -5.059+/-0.166  $\chi^2/\text{NDF}$ : 572.5/5

# reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 14.735+/-0.042  $\chi^2/\text{NDF}$ : 186072.3/7

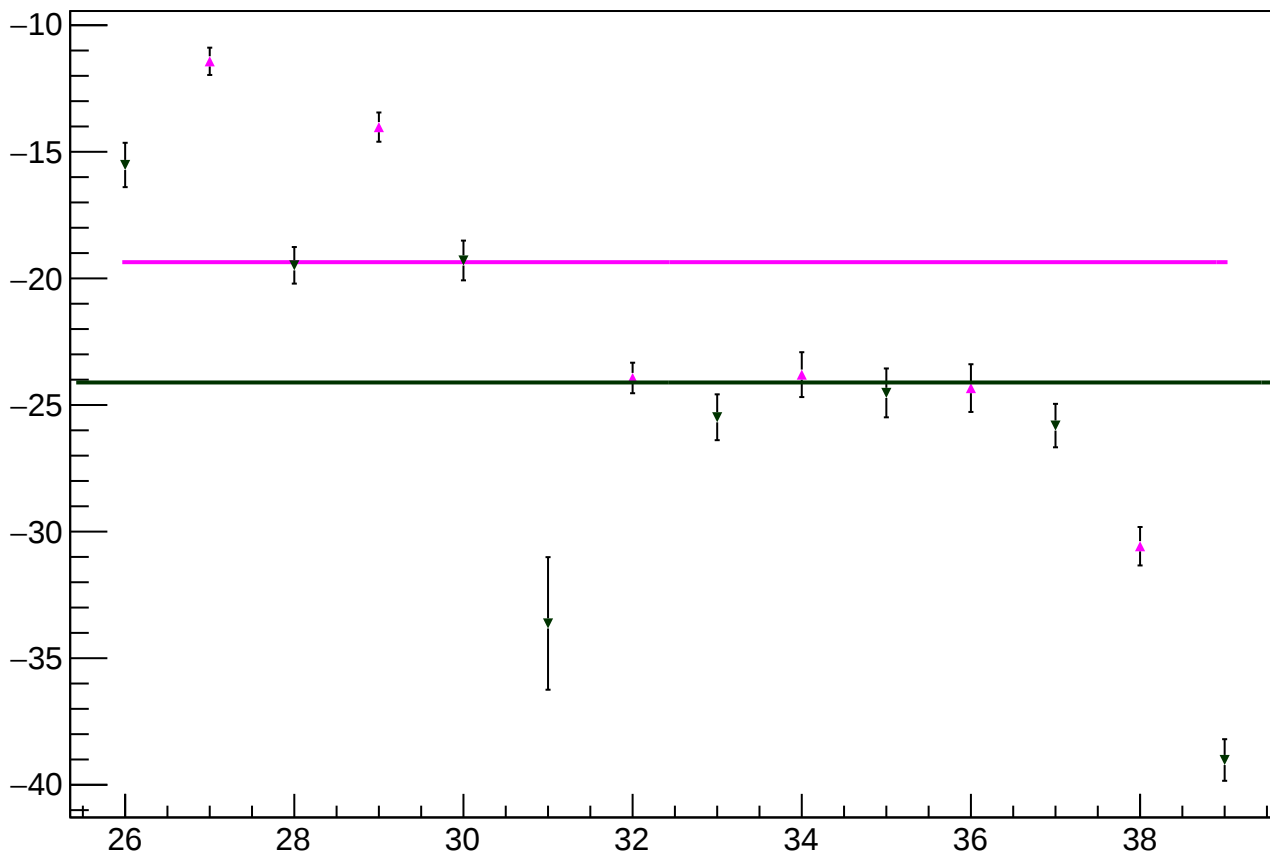
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 12.331+/-0.038  $\chi^2/\text{NDF}$ : 38916.4/5

14.735+/-0.042  $\chi^2/\text{NDF}$ : 186072.3/7

12.331+/-0.038  $\chi^2/\text{NDF}$ : 38916.4/5

# reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -24.110+/-0.314  $\chi^2$ /NDF:523.8/7

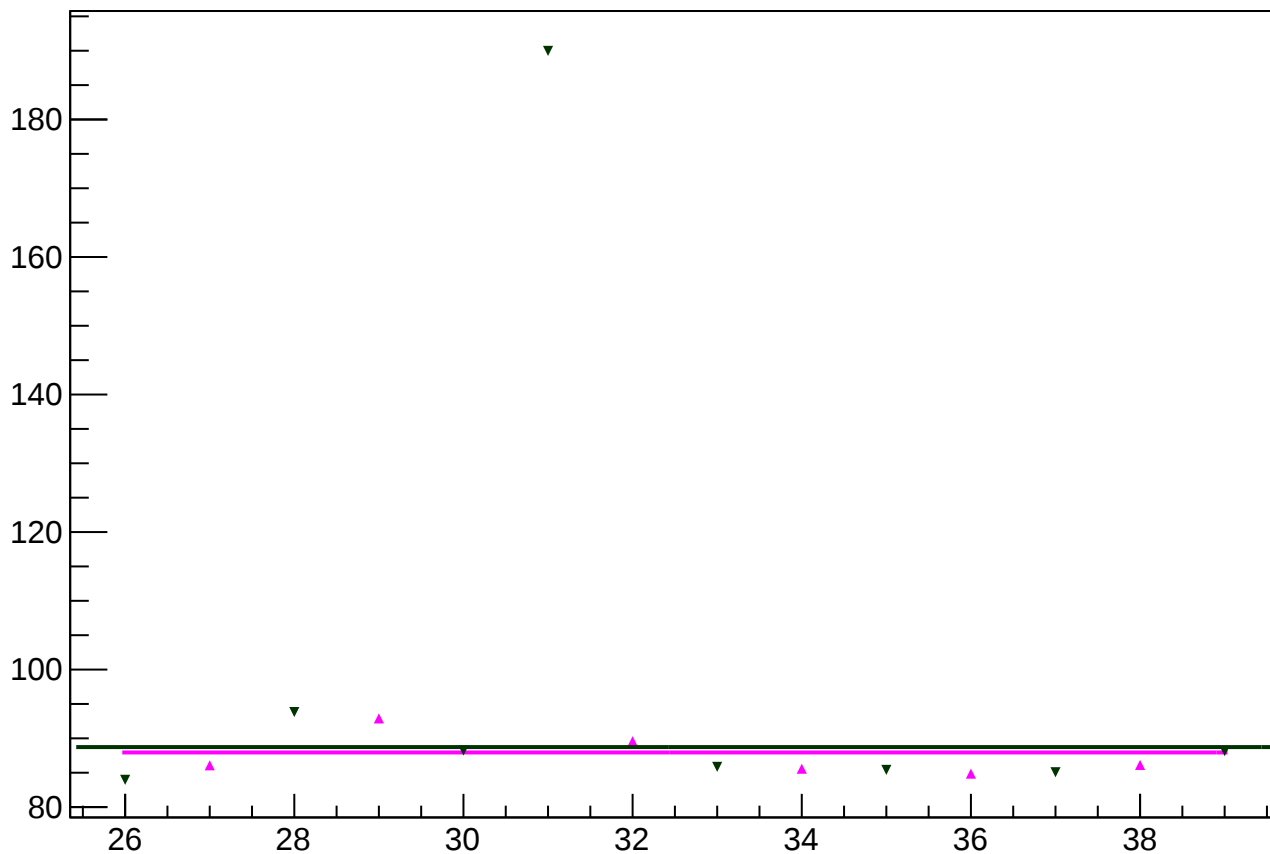
-24.110+/-0.314  $\chi^2$ /NDF: 523.8/7

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

-19.359+/-0.274  $\chi^2$ /NDF: 630.6/5

Left In: -19.359+/-0.274  $\chi^2$ /NDF:630.6/5

# reg\_asym\_atr1l2\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 88.729+/-0.055  $\chi^2/\text{NDF}$ : 50464.6/7

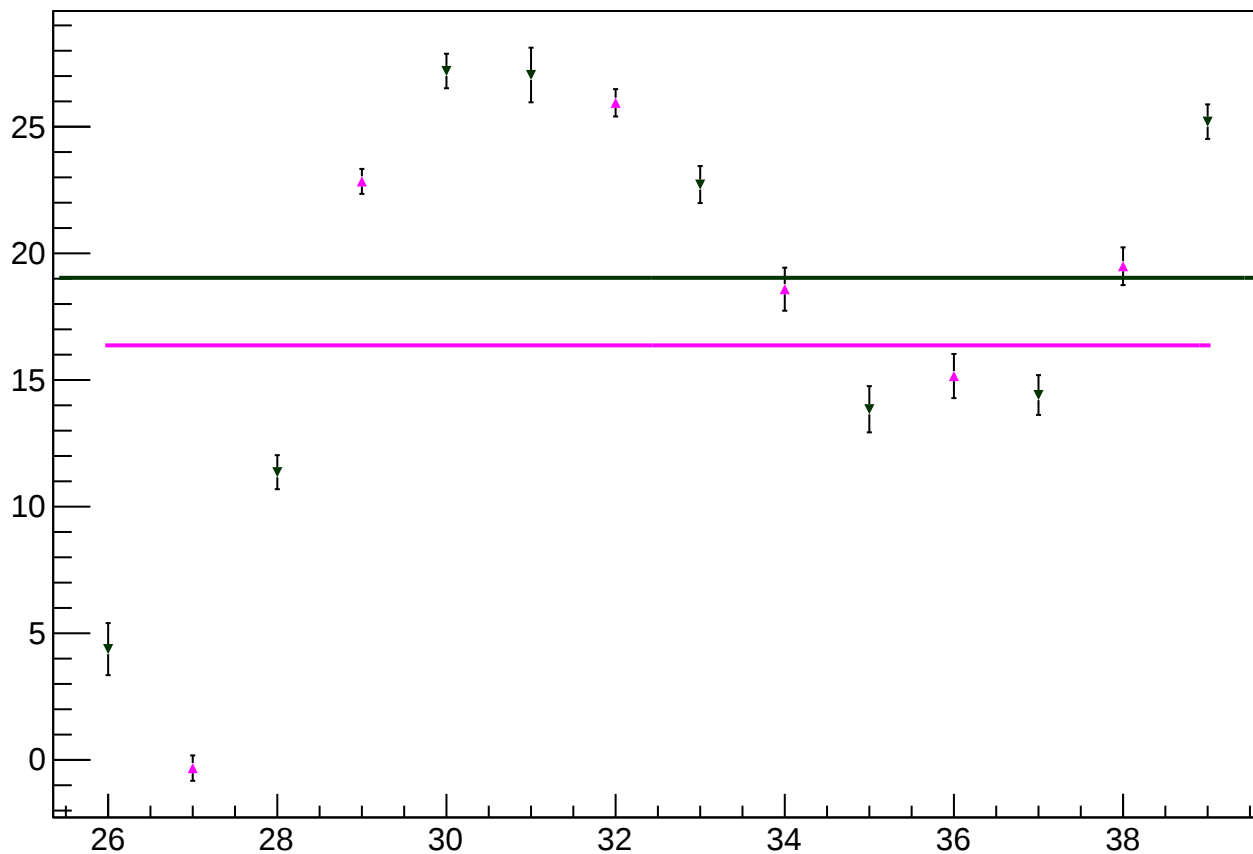
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 87.947+/-0.058  $\chi^2/\text{NDF}$ : 2570.0/5

88.729+/-0.055  $\chi^2/\text{NDF}$ : 50464.6/7

87.947+/-0.058  $\chi^2/\text{NDF}$ : 2570.0/5

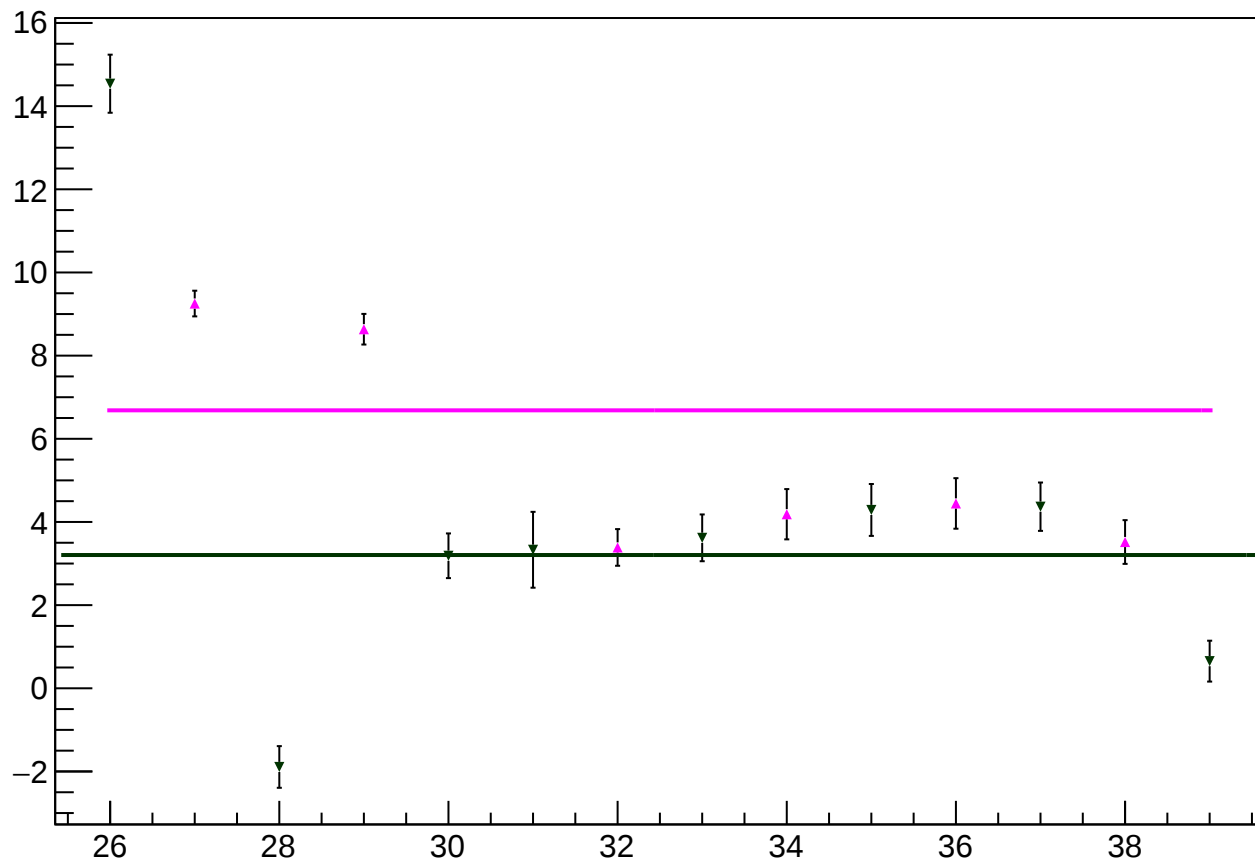
# reg\_asym\_usl\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 19.034+/-0.277  $\chi^2/\text{NDF}$ : 706.8/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 16.368+/-0.250  $\chi^2/\text{NDF}$ : 1622.4/5

19.034+/-0.277  $\chi^2/\text{NDF}$ : 706.8/7  
 16.368+/-0.250  $\chi^2/\text{NDF}$ : 1622.4/5

# reg\_asym\_usl\_diff\_bpm4aY\_slope vs slug

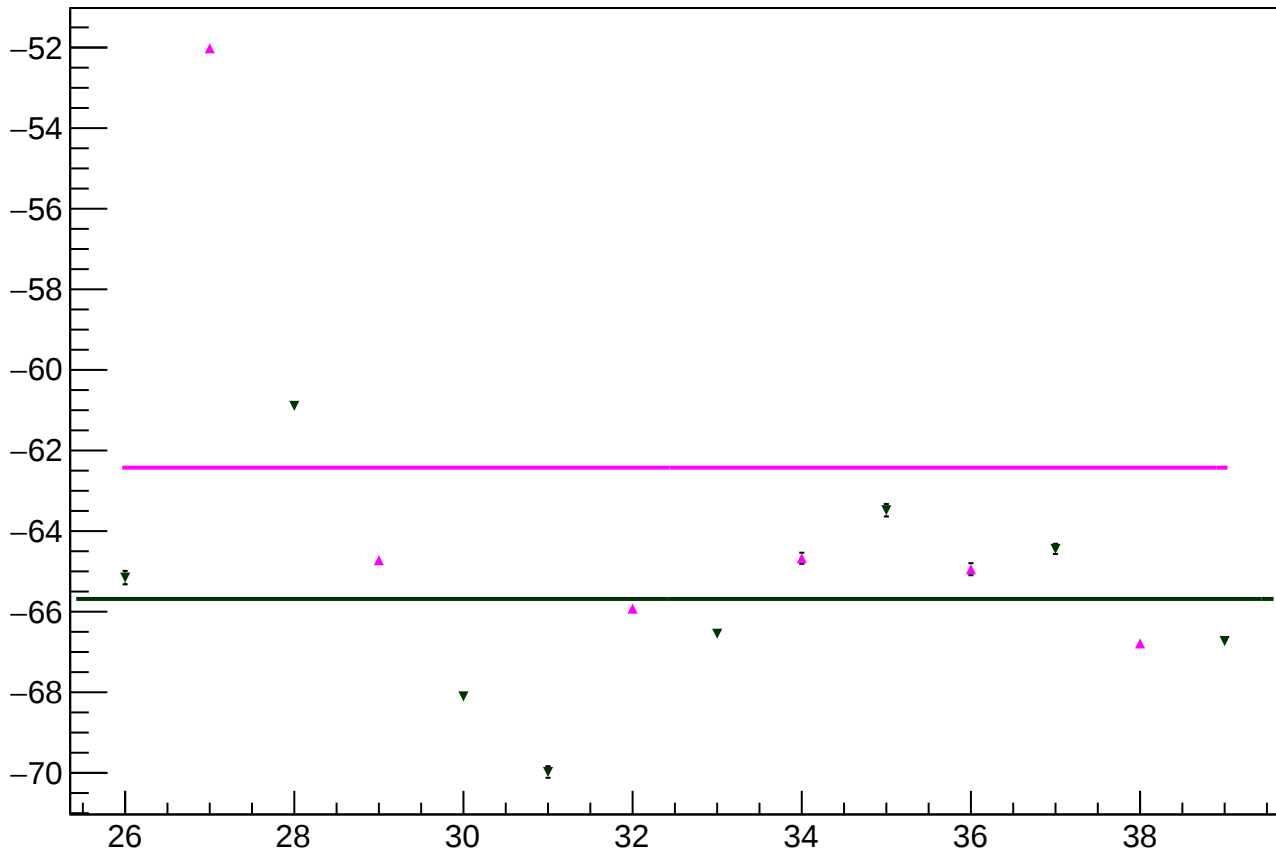


Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 3.205+/-0.206  $\chi^2/\text{NDF}$ : 401.3/7  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 6.685+/-0.177  $\chi^2/\text{NDF}$ : 220.0/5

3.205+/-0.206  $\chi^2/\text{NDF}$ : 401.3/7

6.685+/-0.177  $\chi^2/\text{NDF}$ : 220.0/5

# reg\_asym\_usl\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -65.684+/-0.045  $\chi^2/\text{NDF}$ : 3408.8/7

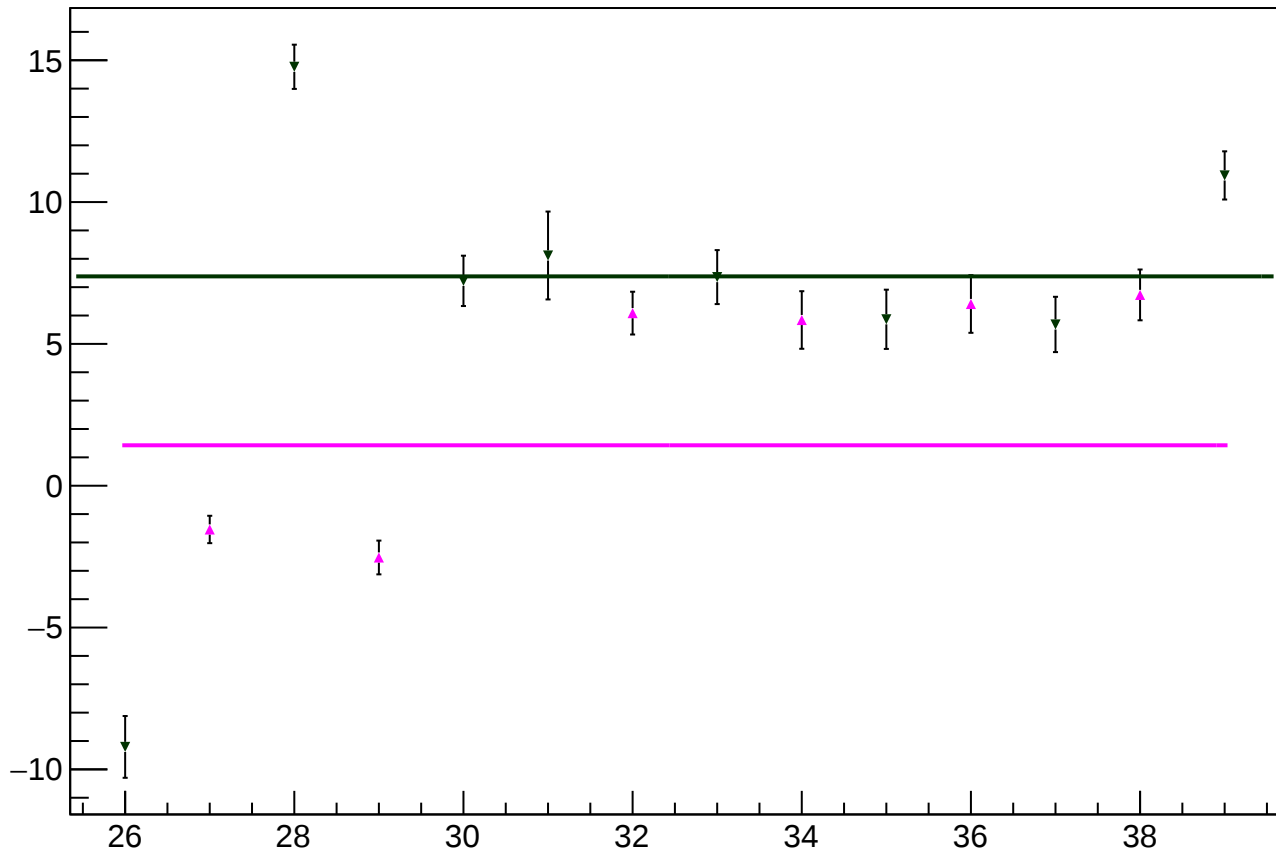
-65.684+/-0.045  $\chi^2/\text{NDF}$ : 3408.8/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -62.425+/-0.043  $\chi^2/\text{NDF}$ : 17564.4/5

-62.425+/-0.043  $\chi^2/\text{NDF}$ : 17564.4/5

# reg\_asym\_usl\_diff\_bpm4eY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 7.380 $\pm$ 0.340  $\chi^2$ /NDF:344.7/7

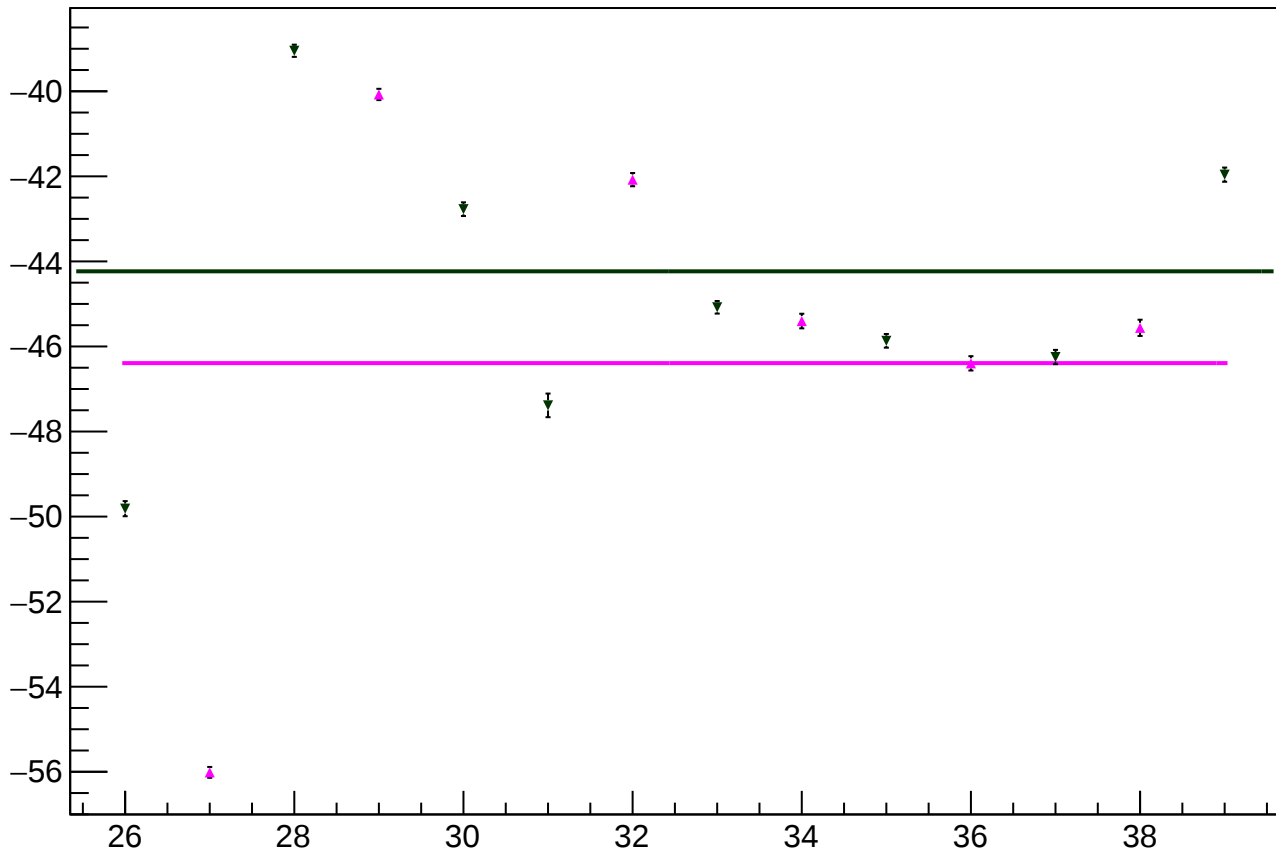
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 1.425 $\pm$ 0.288  $\chi^2$ /NDF:198.2/5

7.380 $\pm$ 0.340  $\chi^2$ /NDF: 344.7/7

1.425 $\pm$ 0.288  $\chi^2$ /NDF: 198.2/5

# reg\_asym\_usl\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -44.233+/-0.059  $\chi^2/\text{NDF}$ : 2963.5/7

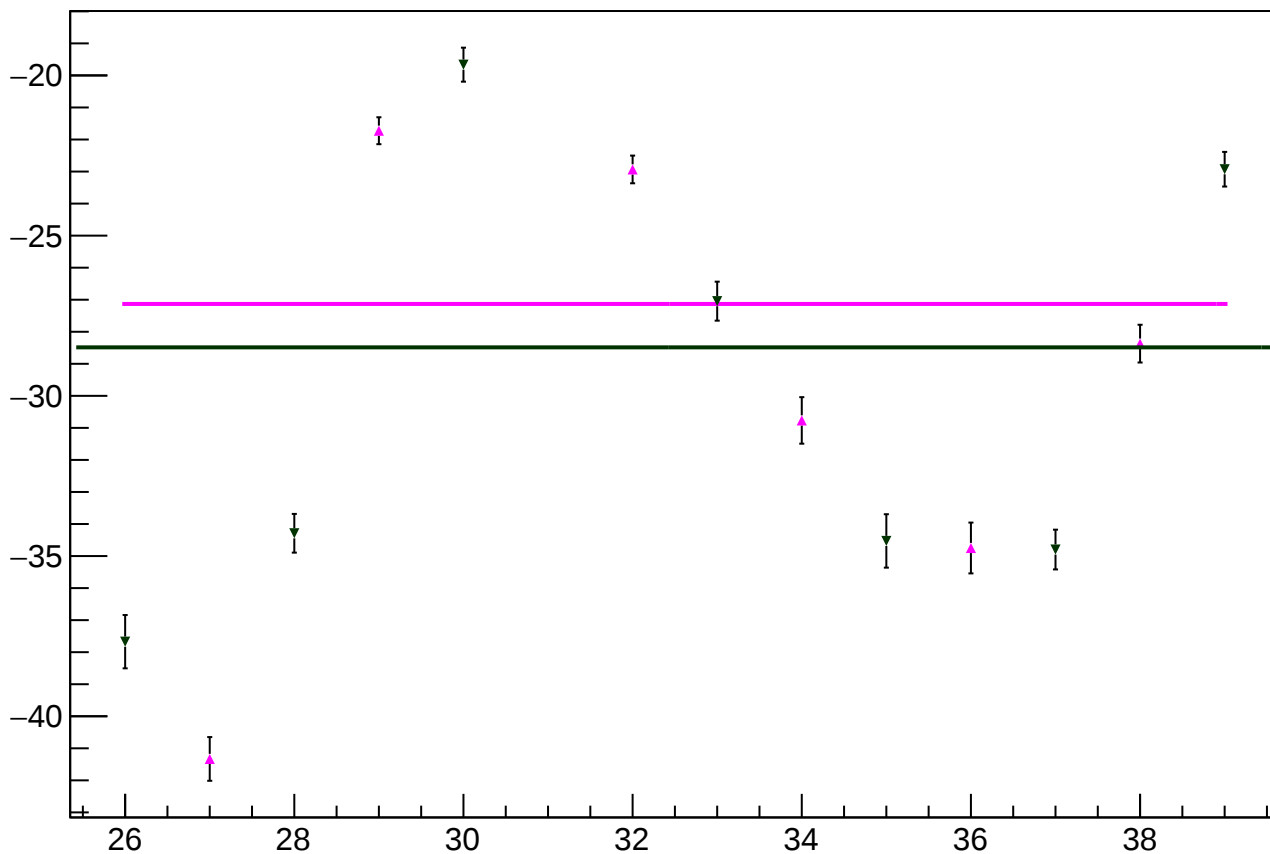
-44.233+/-0.059  $\chi^2/\text{NDF}$ : 2963.5/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-46.391+/-0.063  $\chi^2/\text{NDF}$ : 8762.4/5

Left In: -46.391+/-0.063  $\chi^2/\text{NDF}$ : 8762.4/5

# reg\_asym\_usr\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -28.487+/-0.236  $\chi^2/\text{NDF}$ : 758.1/6

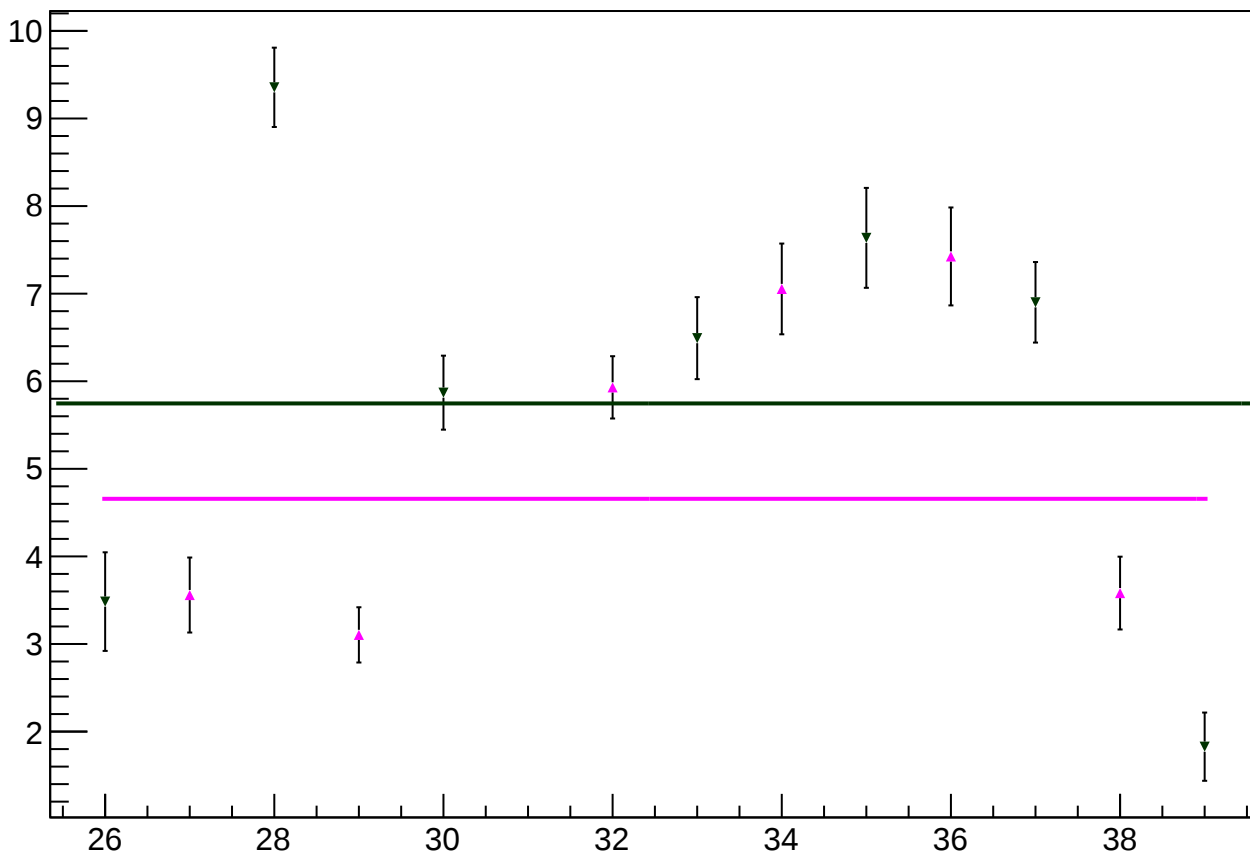
-28.487+/-0.236  $\chi^2/\text{NDF}$ : 758.1/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -27.132+/-0.226  $\chi^2/\text{NDF}$ : 814.5/5

-27.132+/-0.226  $\chi^2/\text{NDF}$ : 814.5/5

# reg\_asym\_usr\_diff\_bpm4aY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 5.747 $\pm$ 0.175  $\chi^2$ /NDF:200.8/6

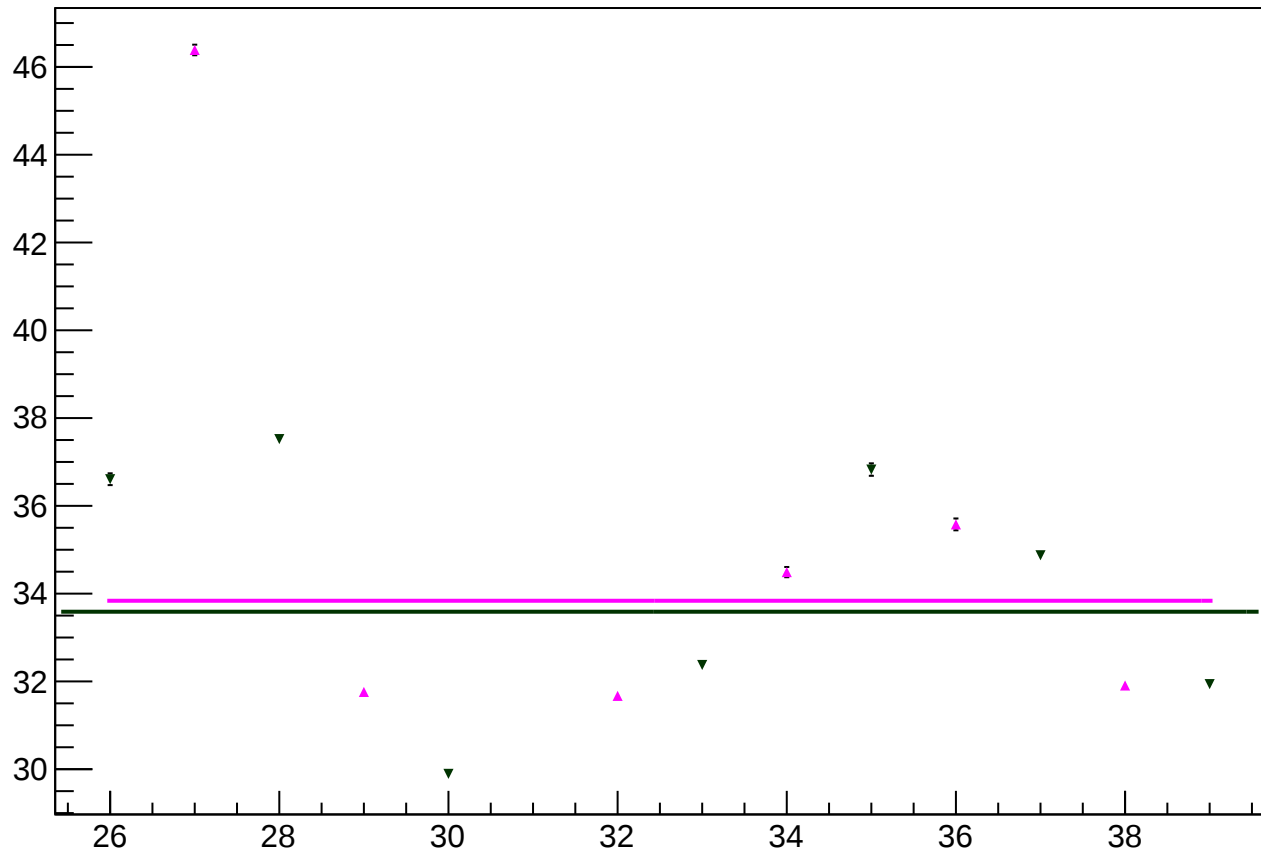
5.747 $\pm$ 0.175  $\chi^2$ /NDF: 200.8/6

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 4.658 $\pm$ 0.166  $\chi^2$ /NDF:96.2/5

4.658 $\pm$ 0.166  $\chi^2$ /NDF: 96.2/5

# reg\_asym\_usr\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 33.588+/-0.039  $\chi^2/\text{NDF}$ : 4796.8/6

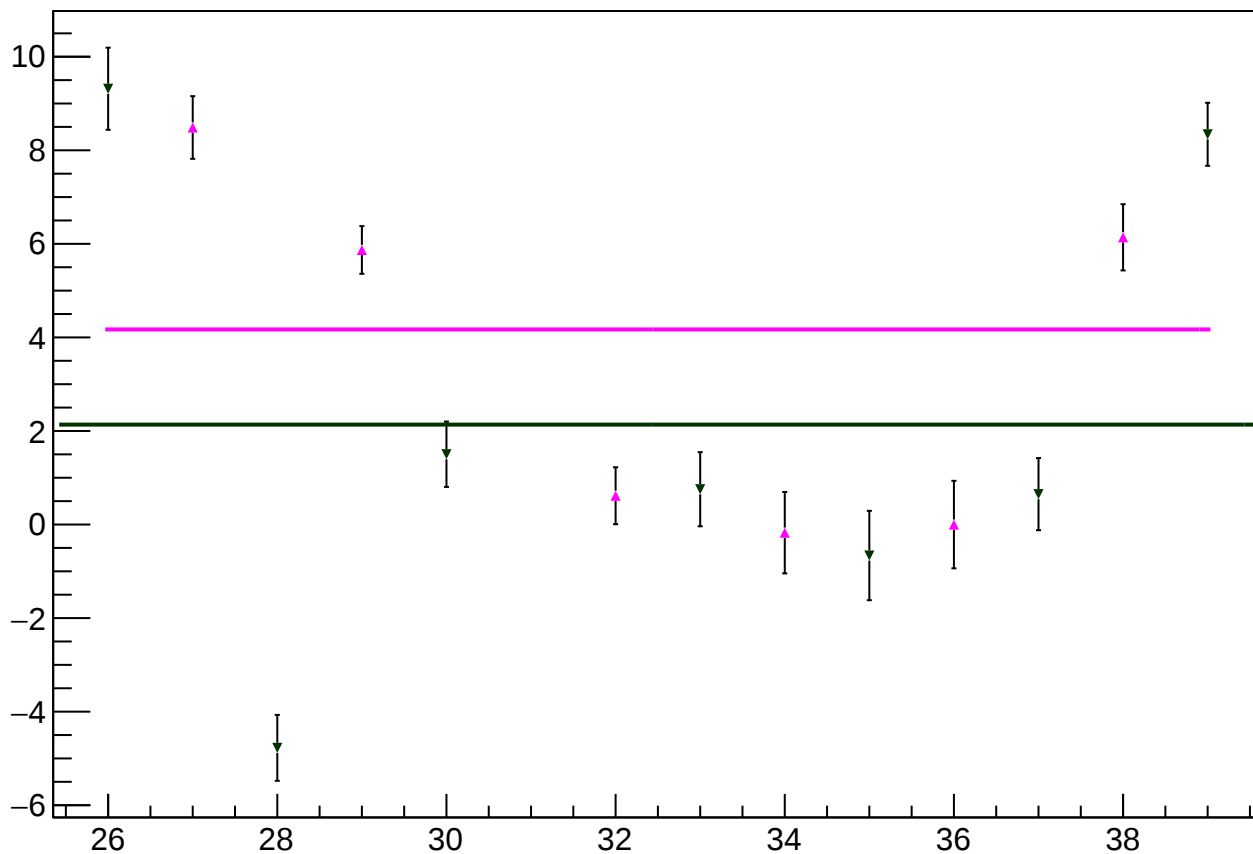
33.588+/-0.039  $\chi^2/\text{NDF}$ : 4796.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

33.838+/-0.038  $\chi^2/\text{NDF}$ : 13107.3/5

Left In: 33.838+/-0.038  $\chi^2/\text{NDF}$ : 13107.3/5

# reg\_asym\_usr\_diff\_bpm4eY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 2.136 $\pm$ 0.289  $\chi^2$ /NDF:264.3/6

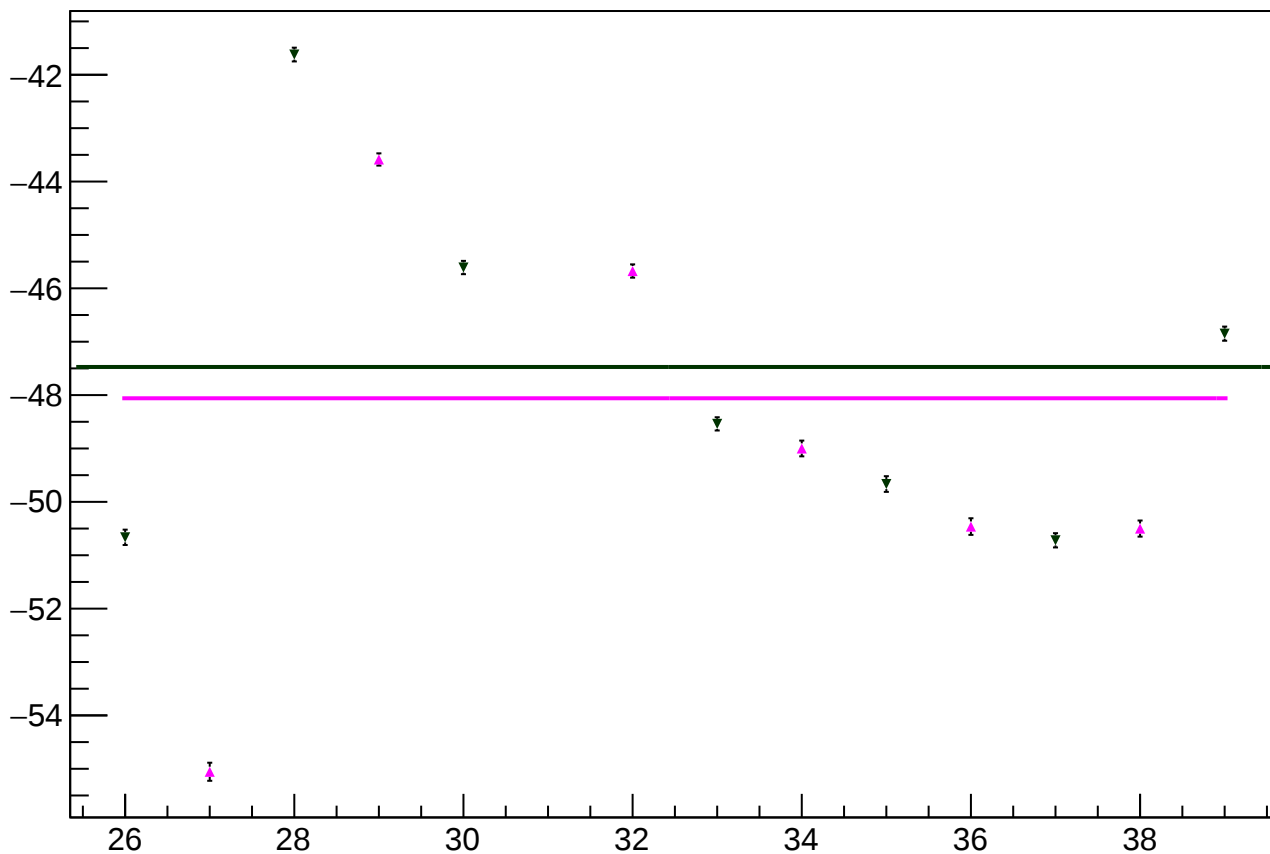
2.136 $\pm$ 0.289  $\chi^2$ /NDF: 264.3/6

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

4.170 $\pm$ 0.275  $\chi^2$ /NDF: 139.3/5

Left In: 4.170 $\pm$ 0.275  $\chi^2$ /NDF:139.3/5

# reg\_asym\_usr\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -47.473+/-0.050  $\chi^2/\text{NDF}$ : 3684.6/6

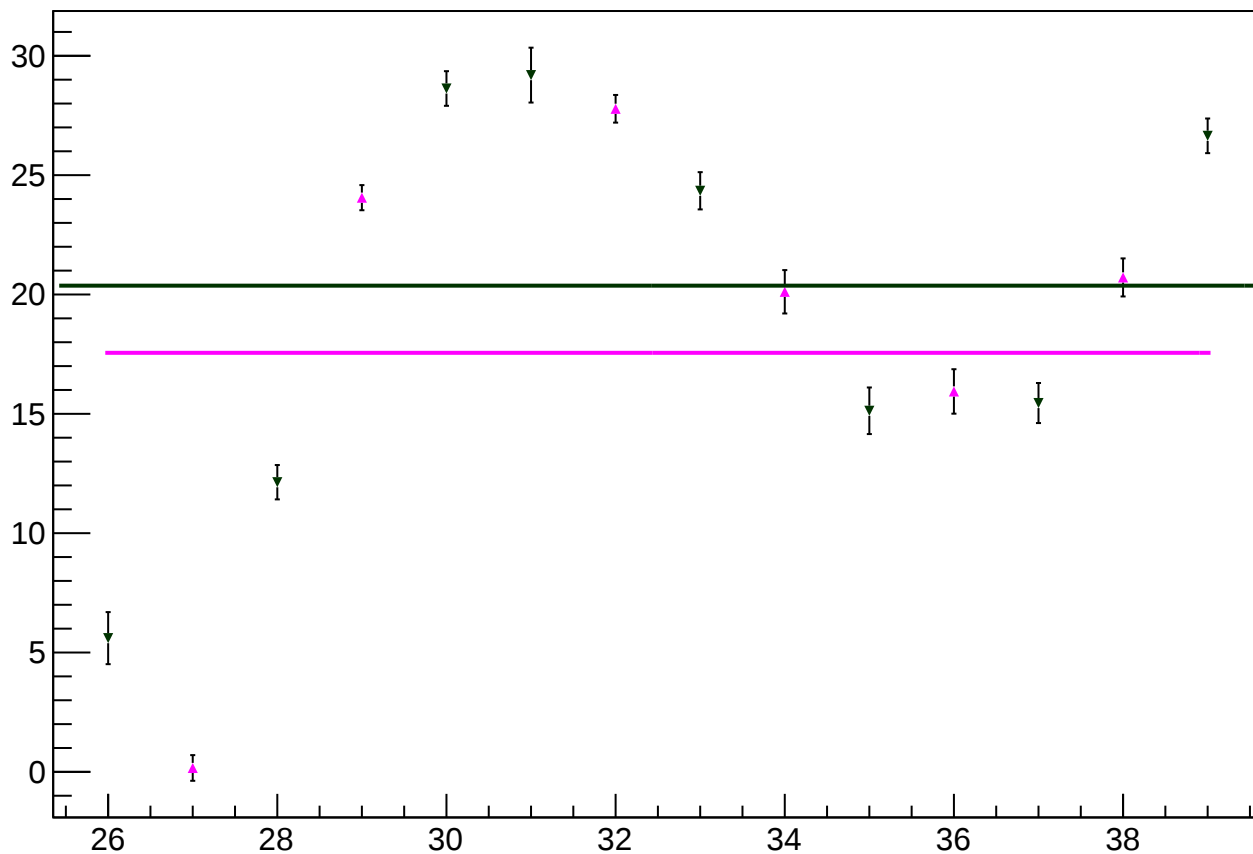
-47.473+/-0.050  $\chi^2/\text{NDF}$ : 3684.6/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-48.060+/-0.057  $\chi^2/\text{NDF}$ : 4133.6/5

Left In: -48.060+/-0.057  $\chi^2/\text{NDF}$ : 4133.6/5

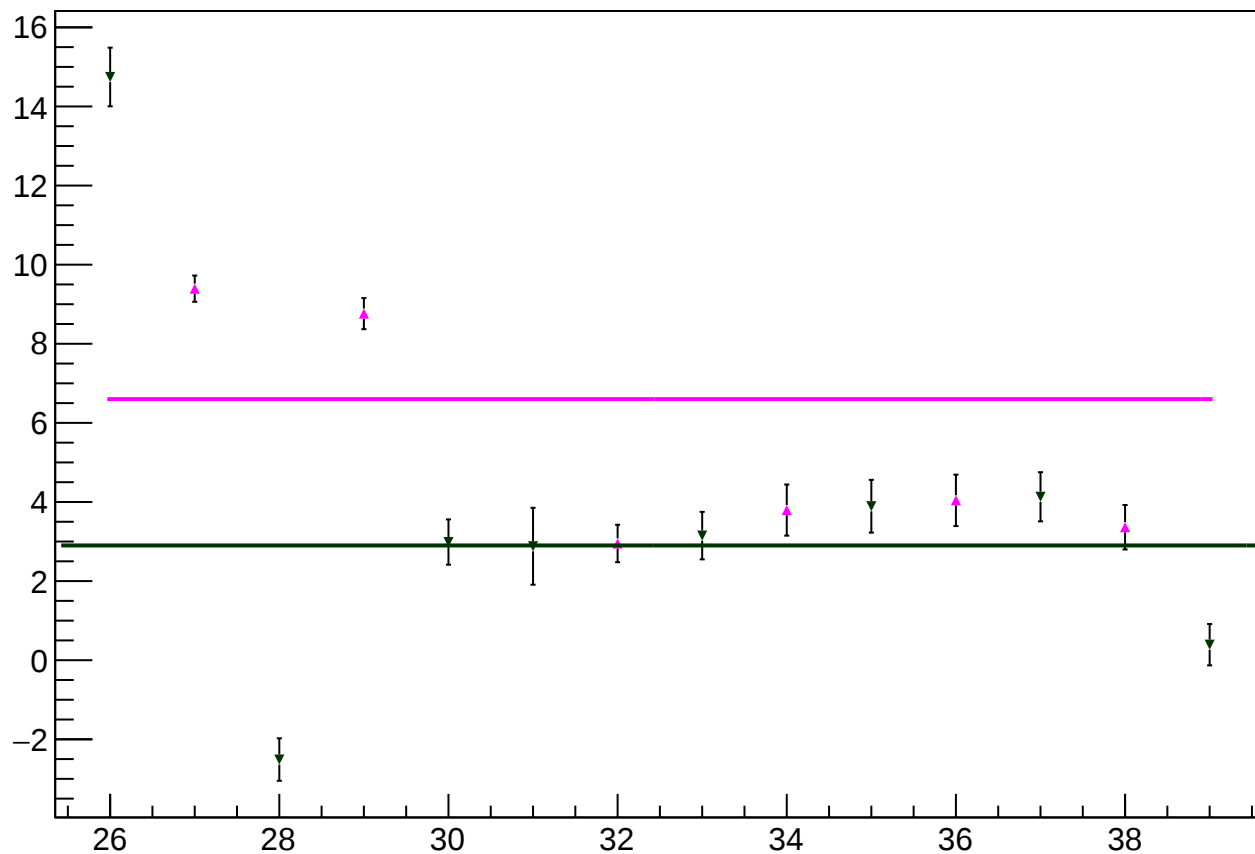
# reg\_asym\_dsl\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 20.370+/-0.296  $\chi^2/\text{NDF}$ : 666.5/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 17.556+/-0.267  $\chi^2/\text{NDF}$ : 1535.2/5

20.370+/-0.296  $\chi^2/\text{NDF}$ : 666.5/7  
 17.556+/-0.267  $\chi^2/\text{NDF}$ : 1535.2/5

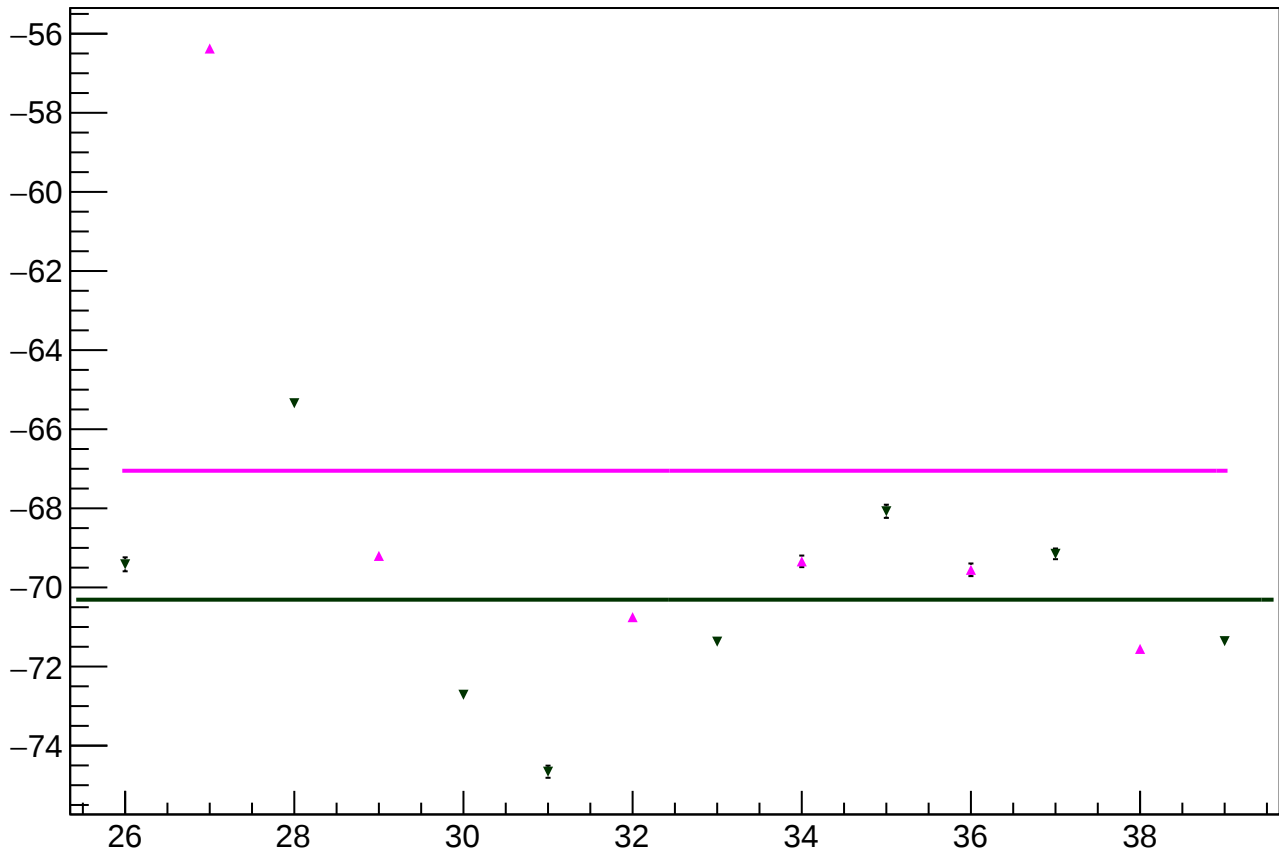
# reg\_asym\_dsl\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 2.901+/-0.220  $\chi^2/\text{NDF}$ : 386.2/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 6.601+/-0.189  $\chi^2/\text{NDF}$ : 228.2/5

2.901+/-0.220  $\chi^2/\text{NDF}$ : 386.2/7  
 6.601+/-0.189  $\chi^2/\text{NDF}$ : 228.2/5

# reg\_asym\_dsl\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -70.310+/-0.048  $\chi^2/\text{NDF}$ : 3143.3/7

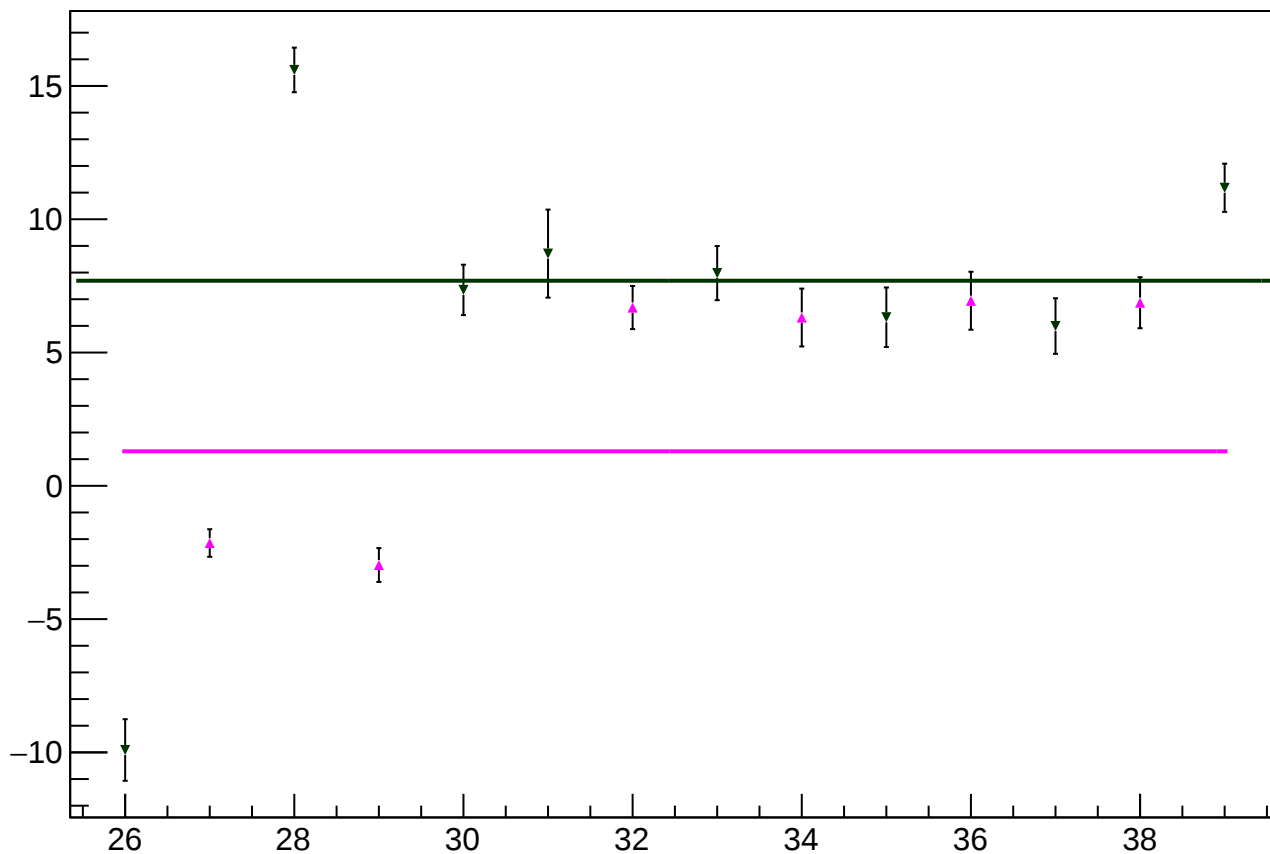
-70.310+/-0.048  $\chi^2/\text{NDF}$ : 3143.3/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-67.050+/-0.046  $\chi^2/\text{NDF}$ : 16066.0/5

Left In: -67.050+/-0.046  $\chi^2/\text{NDF}$ : 16066.0/5

# reg\_asym\_dsl\_diff\_bpm4eY\_slope vs slug



Right In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left Out:  $7.693 \pm 0.363$   $\chi^2/\text{NDF}$ : 341.1/7

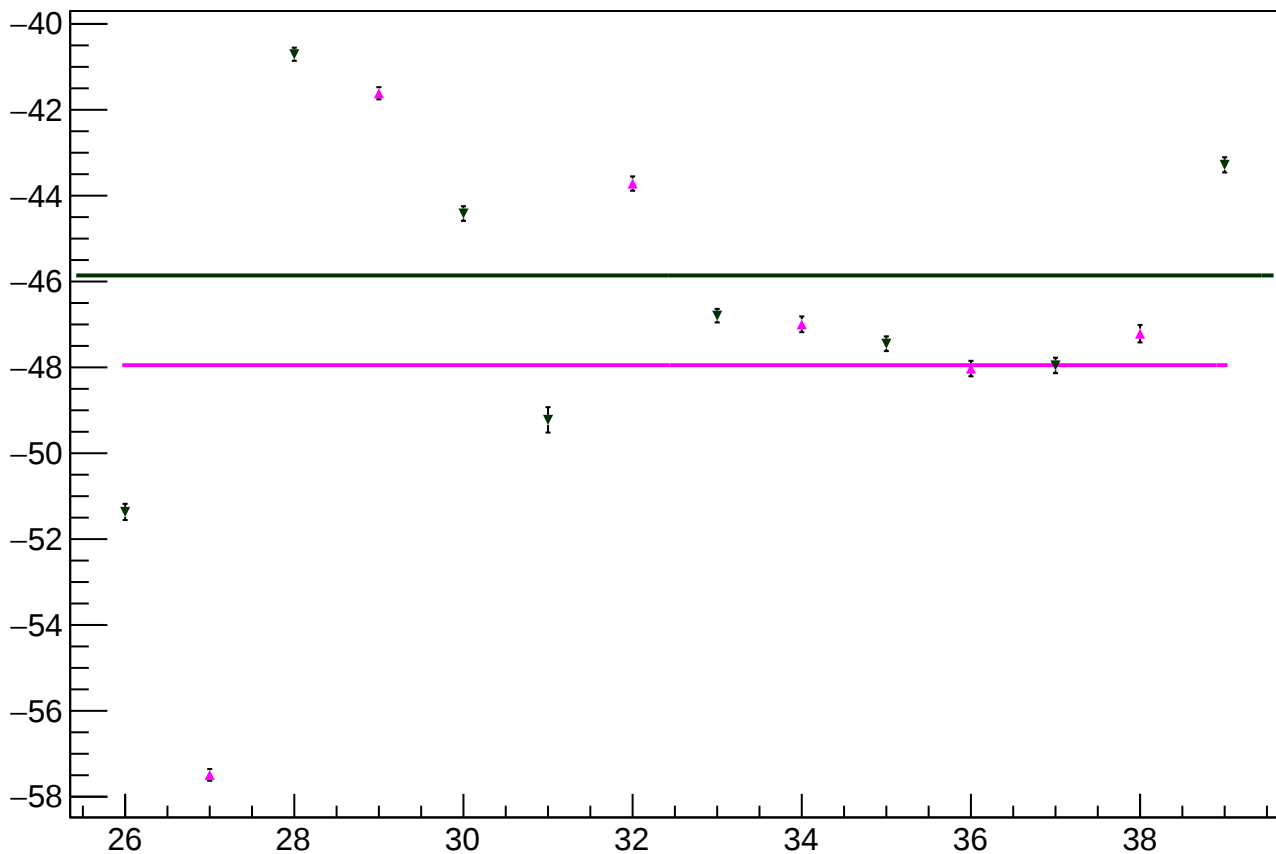
$7.693 \pm 0.363$   $\chi^2/\text{NDF}$ : 341.1/7

Right Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

$1.295 \pm 0.308$   $\chi^2/\text{NDF}$ : 215.9/5

Left In:  $1.295 \pm 0.308$   $\chi^2/\text{NDF}$ : 215.9/5

# reg\_asym\_dsl\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -45.859+/-0.063  $\chi^2/\text{NDF}$ : 2639.5/7

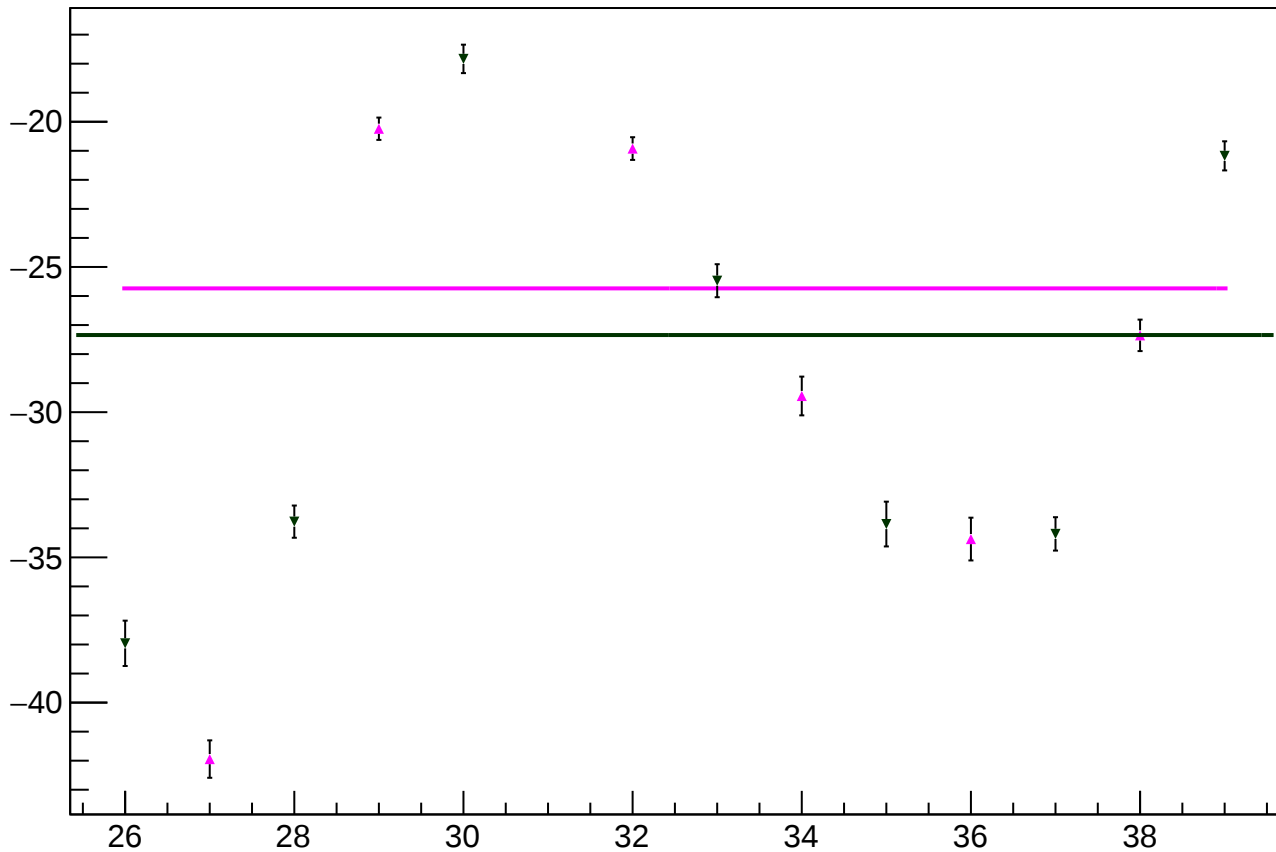
-45.859+/-0.063  $\chi^2/\text{NDF}$ : 2639.5/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-47.948+/-0.067  $\chi^2/\text{NDF}$ : 7520.1/5

Left In: -47.948+/-0.067  $\chi^2/\text{NDF}$ : 7520.1/5

# reg\_asym\_dsr\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -27.344+/-0.219  $\chi^2/\text{NDF}$ : 1071.4/6

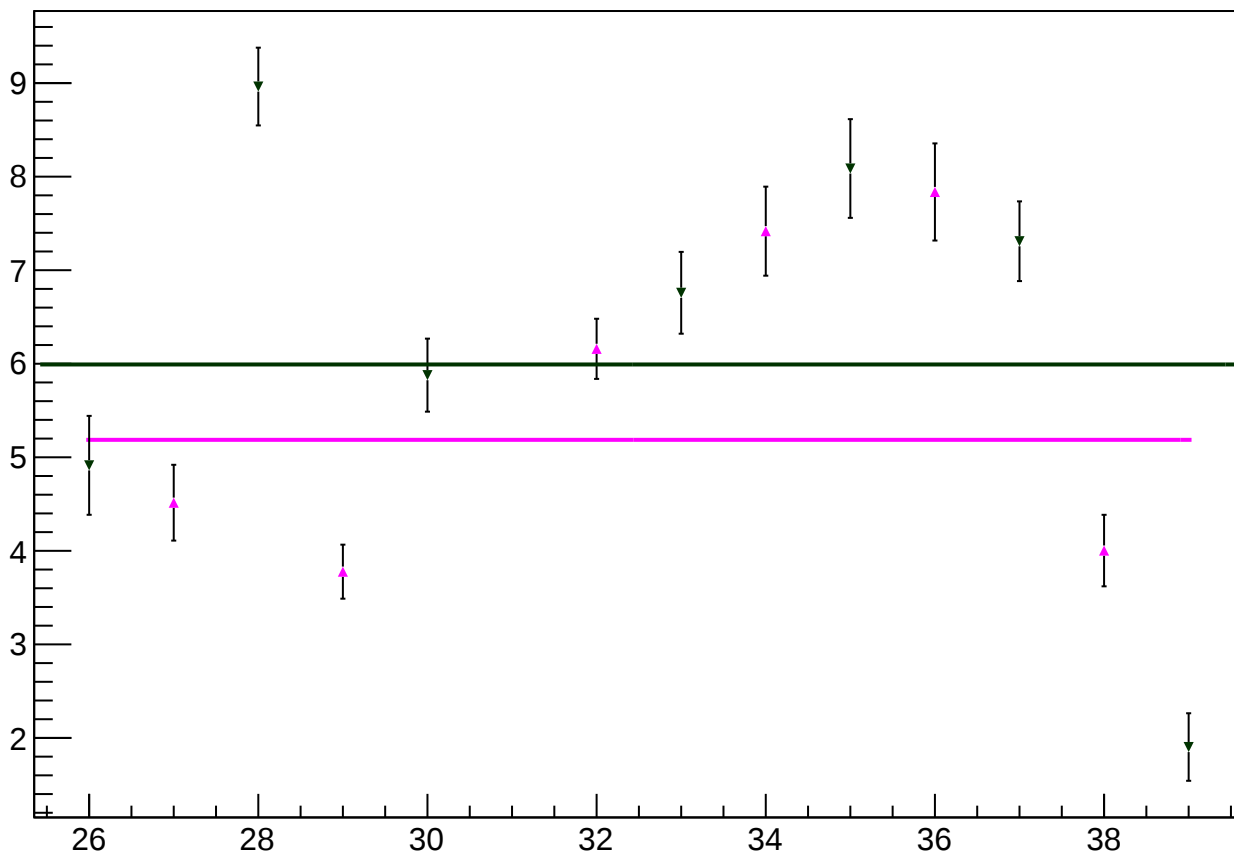
-27.344+/-0.219  $\chi^2/\text{NDF}$ : 1071.4/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-25.738+/-0.207  $\chi^2/\text{NDF}$ : 1165.8/5

Left In: -25.738+/-0.207  $\chi^2/\text{NDF}$ : 1165.8/5

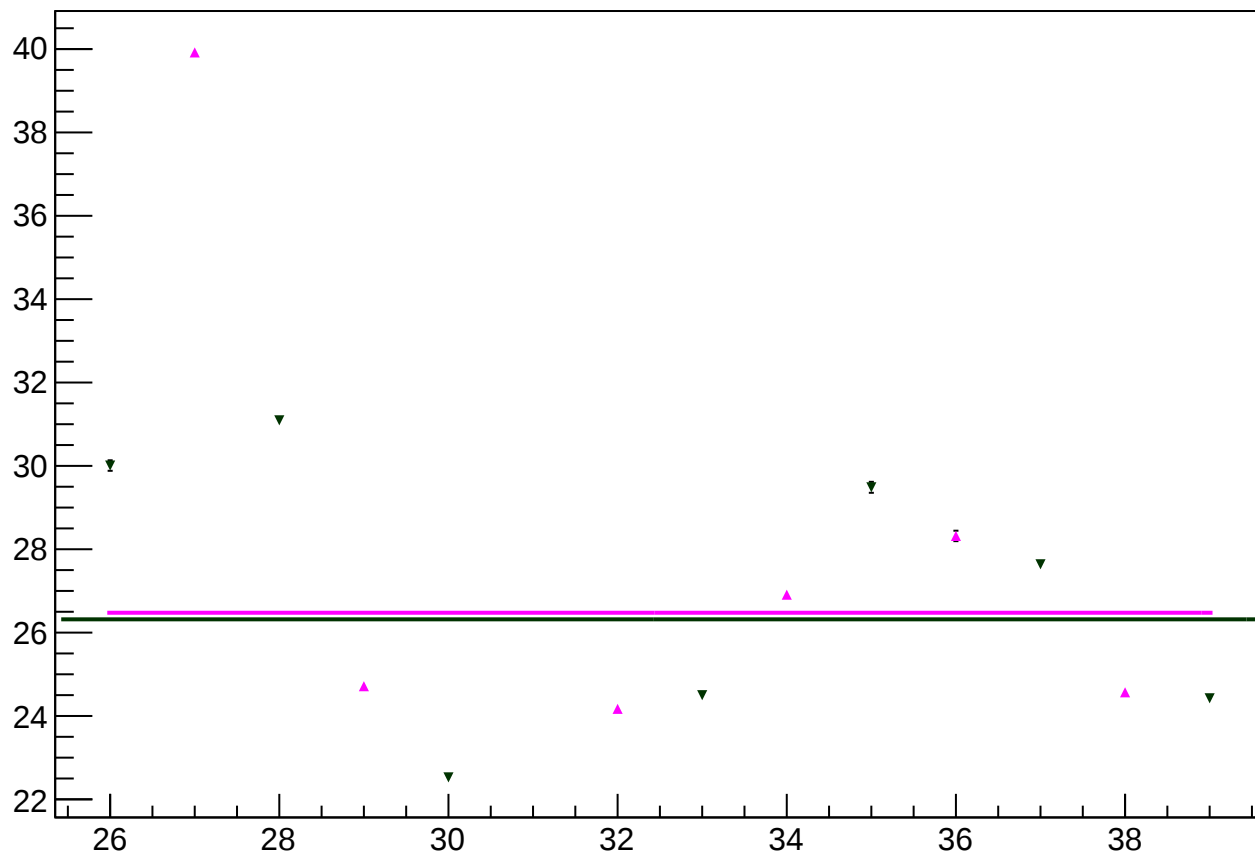
# reg\_asym\_dsr\_diff\_bpm4aY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Left Out: 5.992 $\pm$ 0.162  $\chi^2$ /NDF:212.0/6  
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Left In: 5.187 $\pm$ 0.153  $\chi^2$ /NDF:93.3/5

5.992 $\pm$ 0.162  $\chi^2$ /NDF: 212.0/6  
5.187 $\pm$ 0.153  $\chi^2$ /NDF: 93.3/5

# reg\_asym\_dsr\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 26.318+/-0.036  $\chi^2/\text{NDF}$ : 7174.6/6

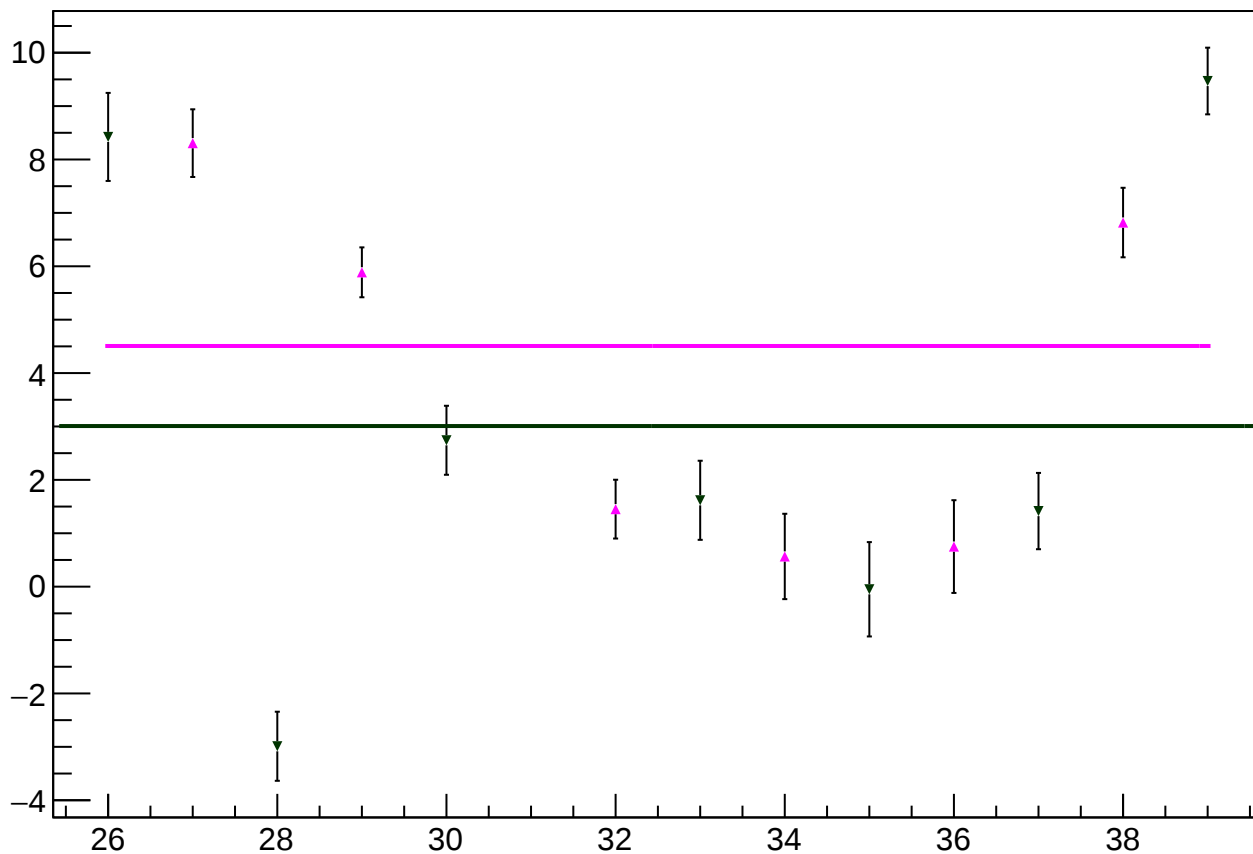
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 26.477+/-0.035  $\chi^2/\text{NDF}$ : 16659.4/5

26.318+/-0.036  $\chi^2/\text{NDF}$ : 7174.6/6

26.477+/-0.035  $\chi^2/\text{NDF}$ : 16659.4/5

# reg\_asym\_dsr\_diff\_bpm4eY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 3.008 $\pm$ 0.268  $\chi^2$ /NDF:256.8/6

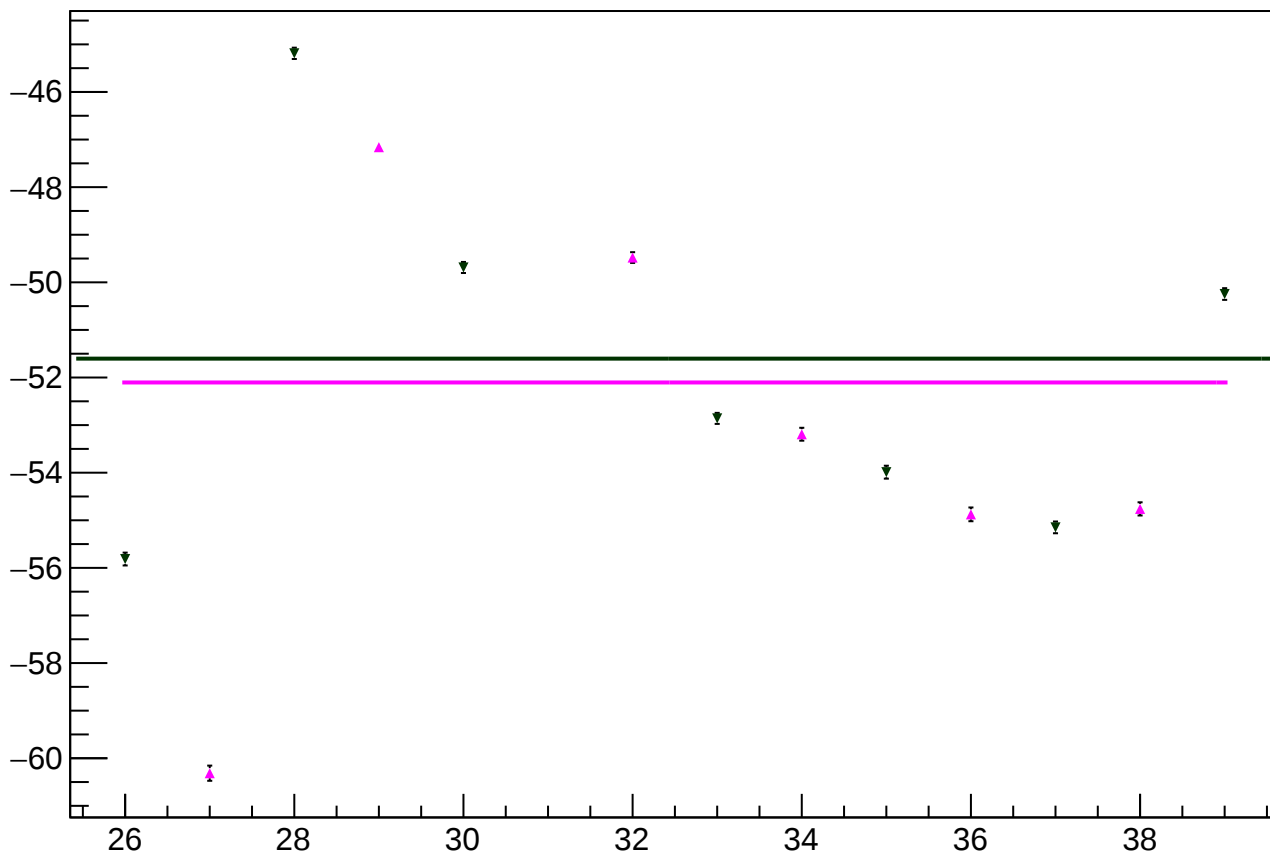
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 4.507 $\pm$ 0.253  $\chi^2$ /NDF:131.1/5

3.008 $\pm$ 0.268  $\chi^2$ /NDF: 256.8/6

4.507 $\pm$ 0.253  $\chi^2$ /NDF: 131.1/5

# reg\_asym\_dsr\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -51.603+/-0.047  $\chi^2/\text{NDF}$ : 5520.8/6

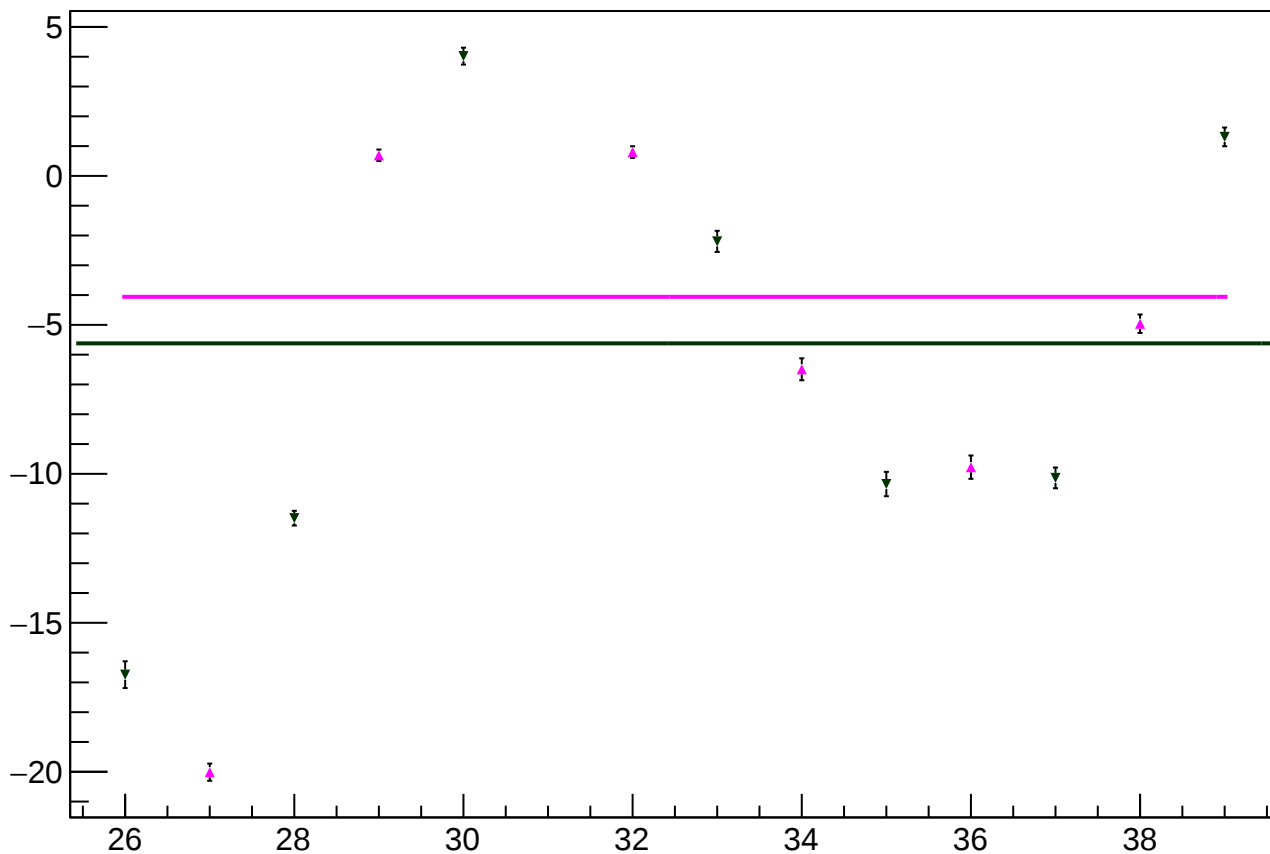
-51.603+/-0.047  $\chi^2/\text{NDF}$ : 5520.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-52.104+/-0.053  $\chi^2/\text{NDF}$ : 6189.0/5

Left In: -52.104+/-0.053  $\chi^2/\text{NDF}$ : 6189.0/5

# reg\_asym\_us\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -5.621+/-0.123  $\chi^2/\text{NDF}$ : 3211.5/6

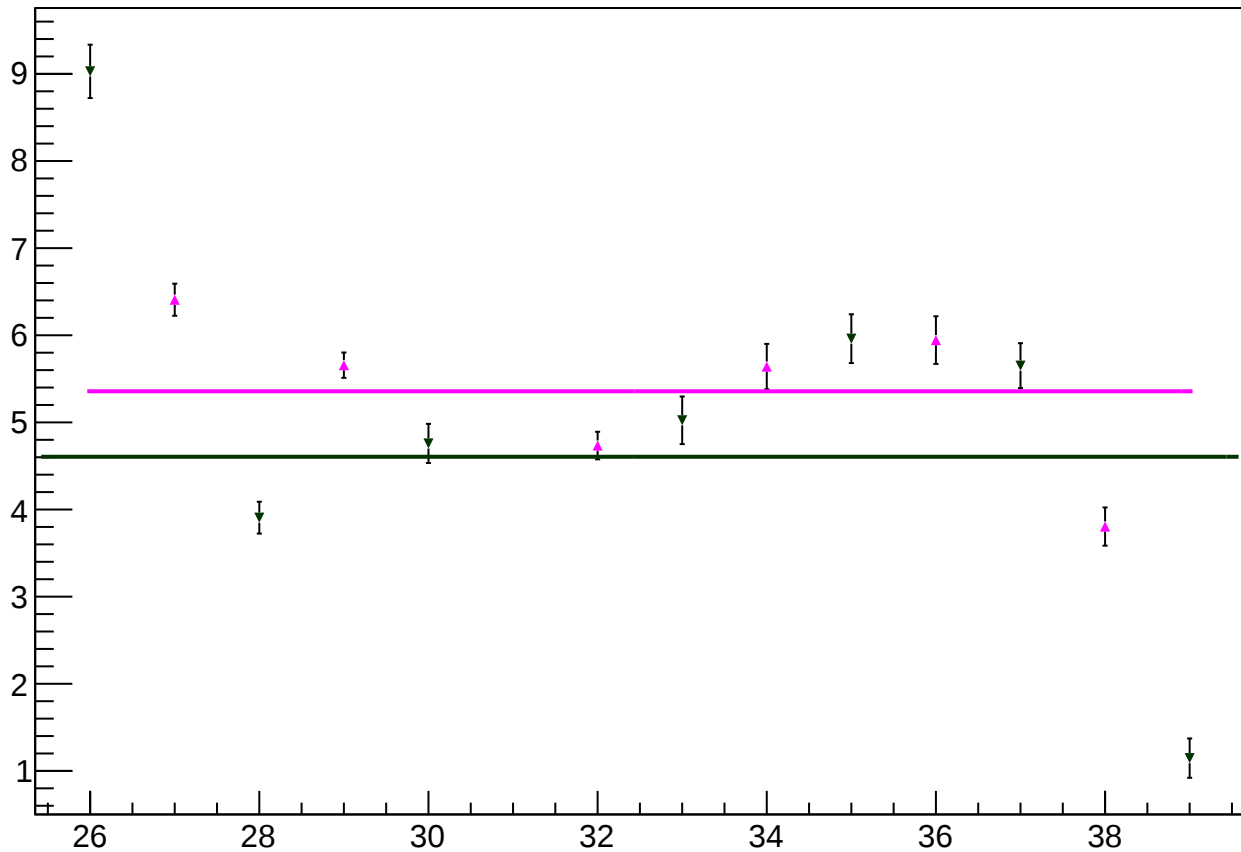
-5.621+/-0.123  $\chi^2/\text{NDF}$ : 3211.5/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-4.058+/-0.106  $\chi^2/\text{NDF}$ : 4550.2/5

Left In: -4.058+/-0.106  $\chi^2/\text{NDF}$ : 4550.2/5

# reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs slug

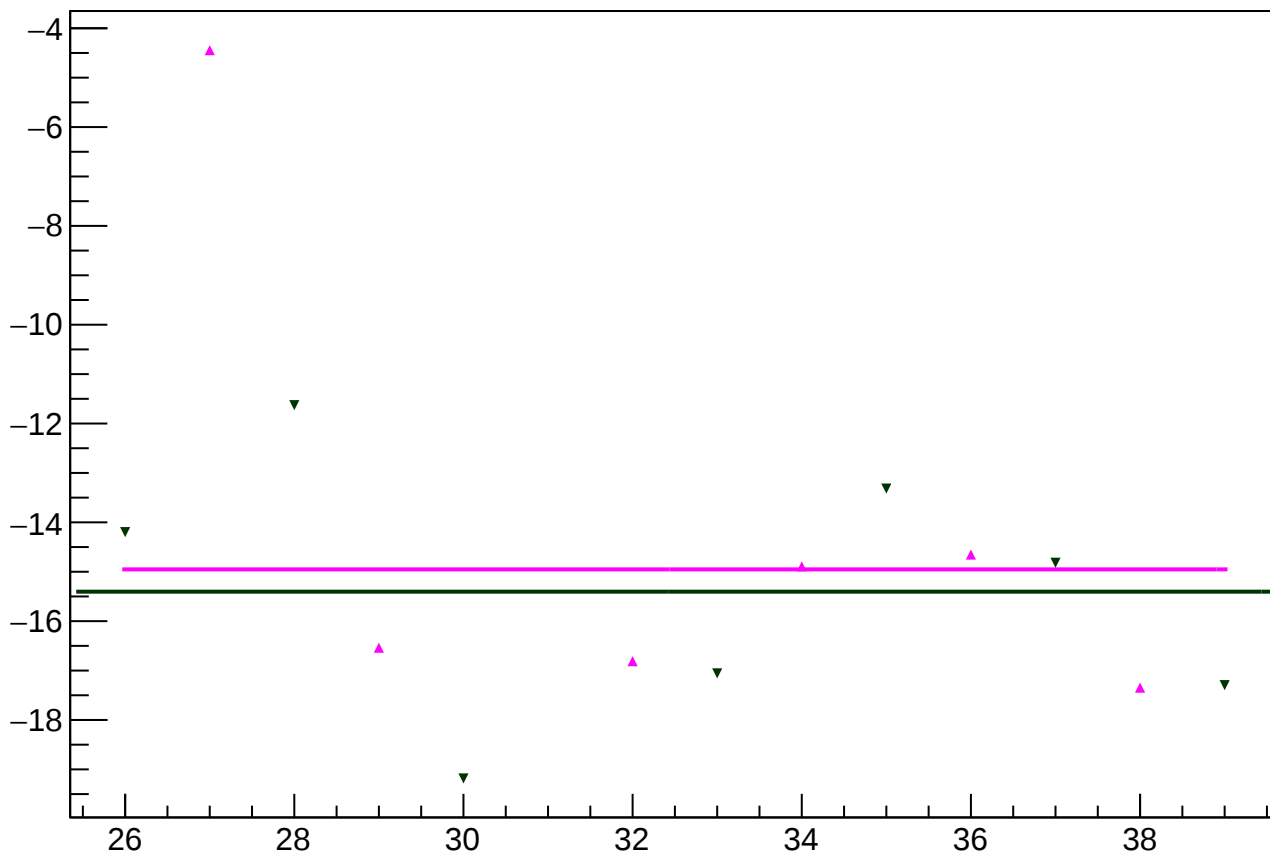


Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 4.606+/-0.091  $\chi^2/\text{NDF}$ : 500.8/6  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 5.357+/-0.078  $\chi^2/\text{NDF}$ : 108.1/5

4.606+/-0.091  $\chi^2/\text{NDF}$ : 500.8/6

5.357+/-0.078  $\chi^2/\text{NDF}$ : 108.1/5

# reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -15.403+/-0.020  $\chi^2/\text{NDF}$ : 17634.8/6

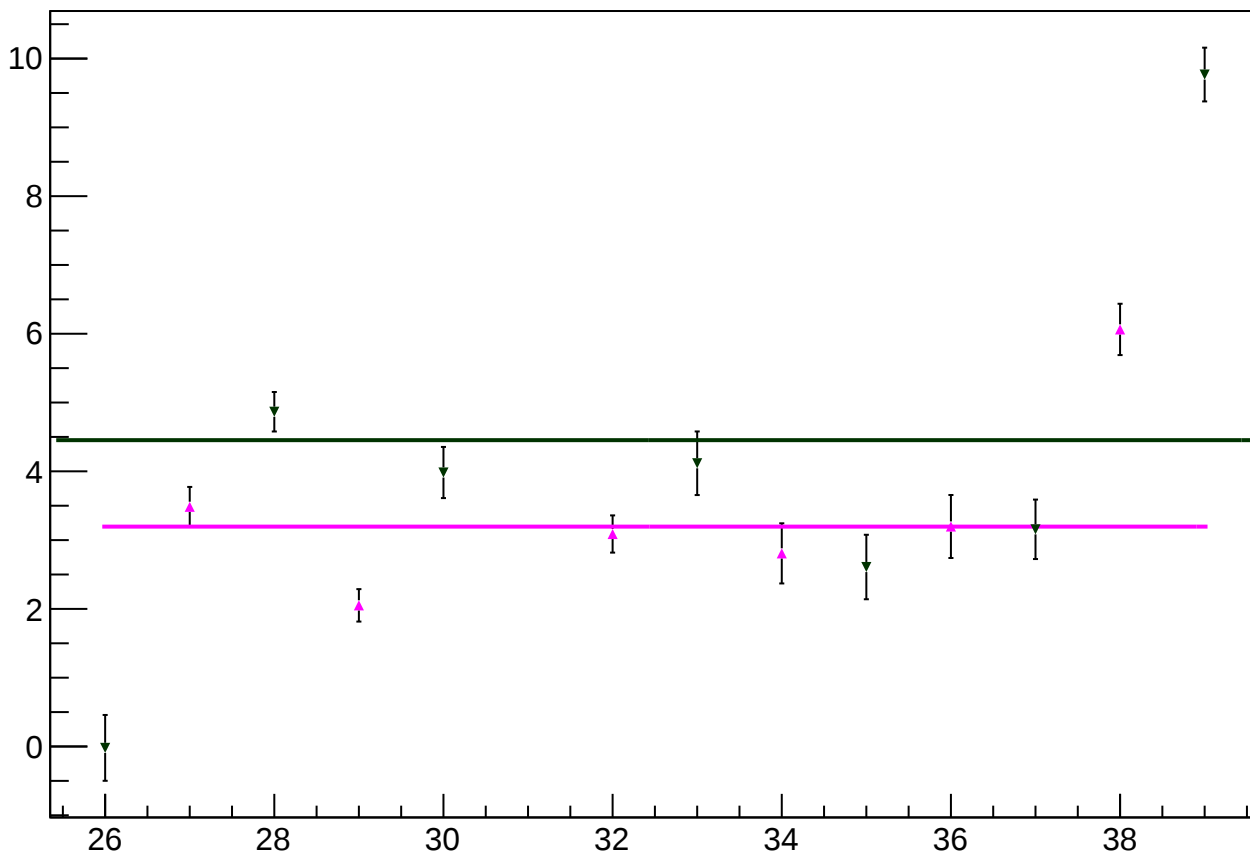
-15.403+/-0.020  $\chi^2/\text{NDF}$ : 17634.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-14.952+/-0.018  $\chi^2/\text{NDF}$ : 51424.3/5

Left In: -14.952+/-0.018  $\chi^2/\text{NDF}$ : 51424.3/5

# reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 4.453+/-0.149  $\chi^2/\text{NDF}$ : 301.2/6

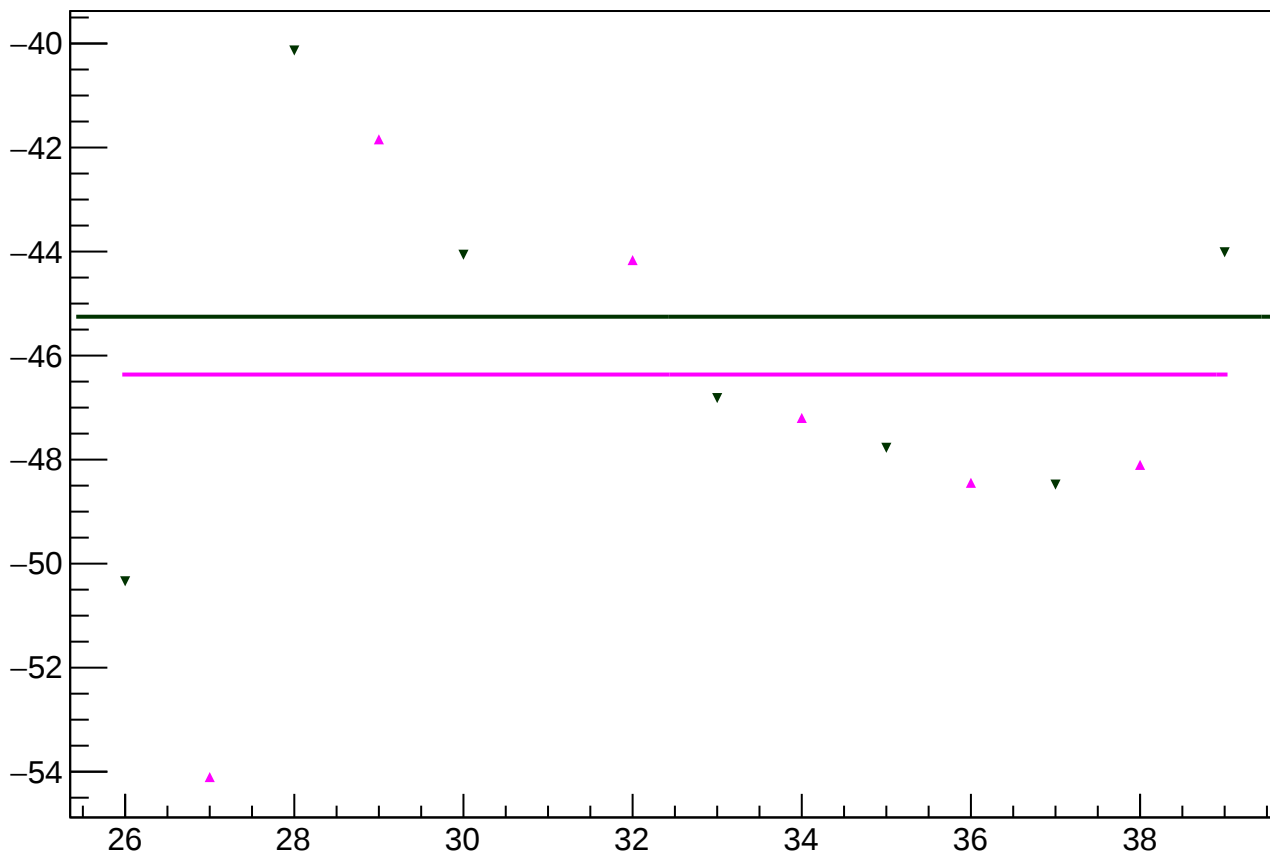
4.453+/-0.149  $\chi^2/\text{NDF}$ : 301.2/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

3.196+/-0.128  $\chi^2/\text{NDF}$ : 84.6/5

Left In: 3.196+/-0.128  $\chi^2/\text{NDF}$ : 84.6/5

# reg\_asym\_us\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -45.253+/-0.026  $\chi^2/\text{NDF}$ : 17245.5/6

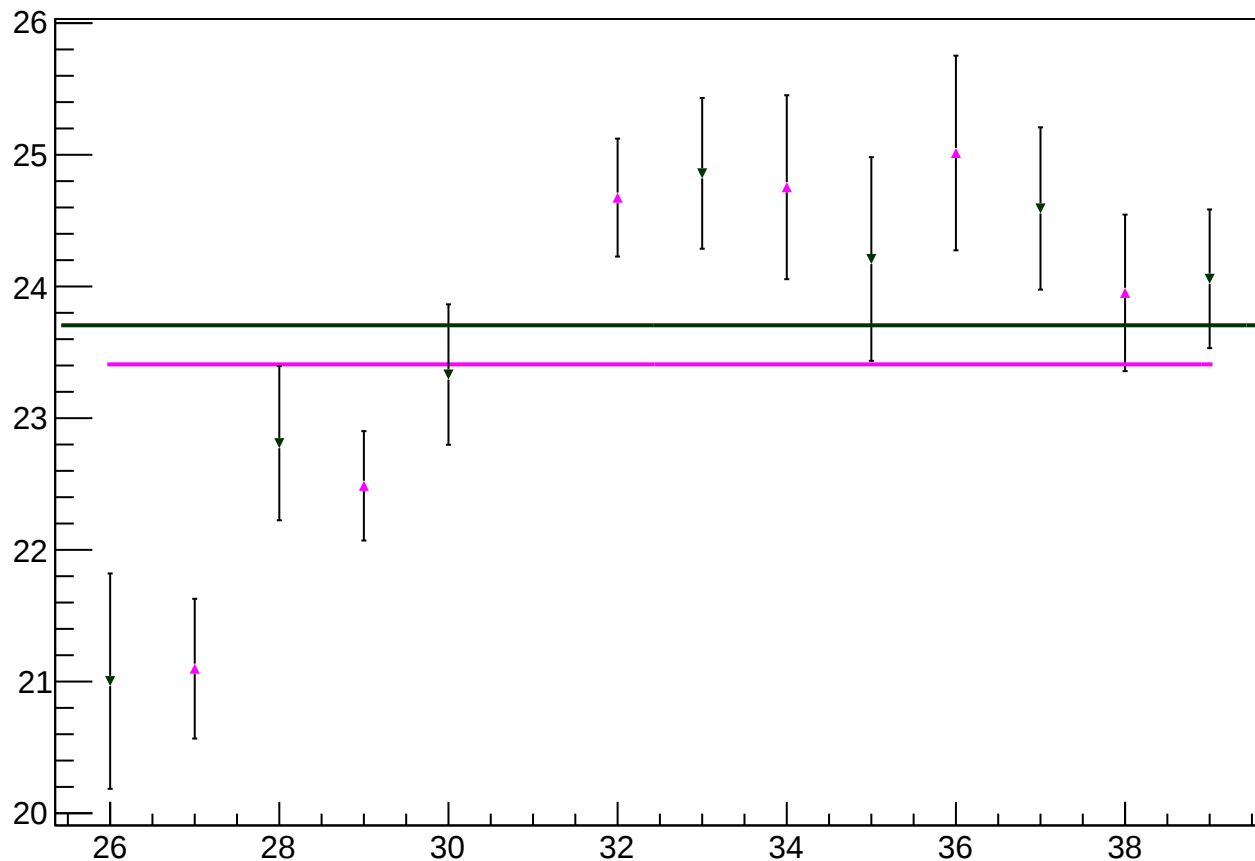
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -46.364+/-0.027  $\chi^2/\text{NDF}$ : 21645.8/5

-45.253+/-0.026  $\chi^2/\text{NDF}$ : 17245.5/6

-46.364+/-0.027  $\chi^2/\text{NDF}$ : 21645.8/5

# reg\_asym\_us\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 23.705+/-0.230  $\chi^2/\text{NDF}$ : 20.8/6

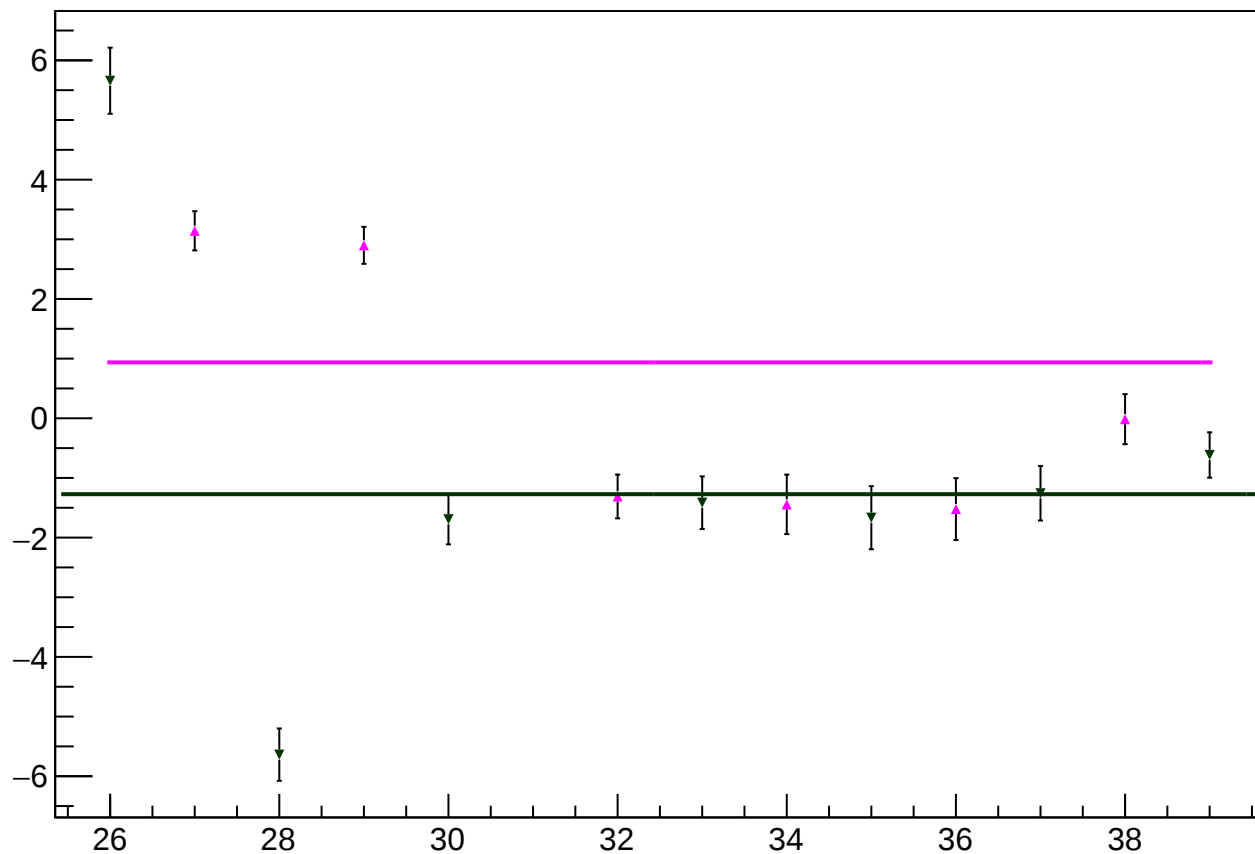
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 23.409+/-0.218  $\chi^2/\text{NDF}$ : 41.1/5

23.705+/-0.230  $\chi^2/\text{NDF}$ : 20.8/6

23.409+/-0.218  $\chi^2/\text{NDF}$ : 41.1/5

# reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -1.273+/-0.170  $\chi^2/\text{NDF}$ : 260.0/6

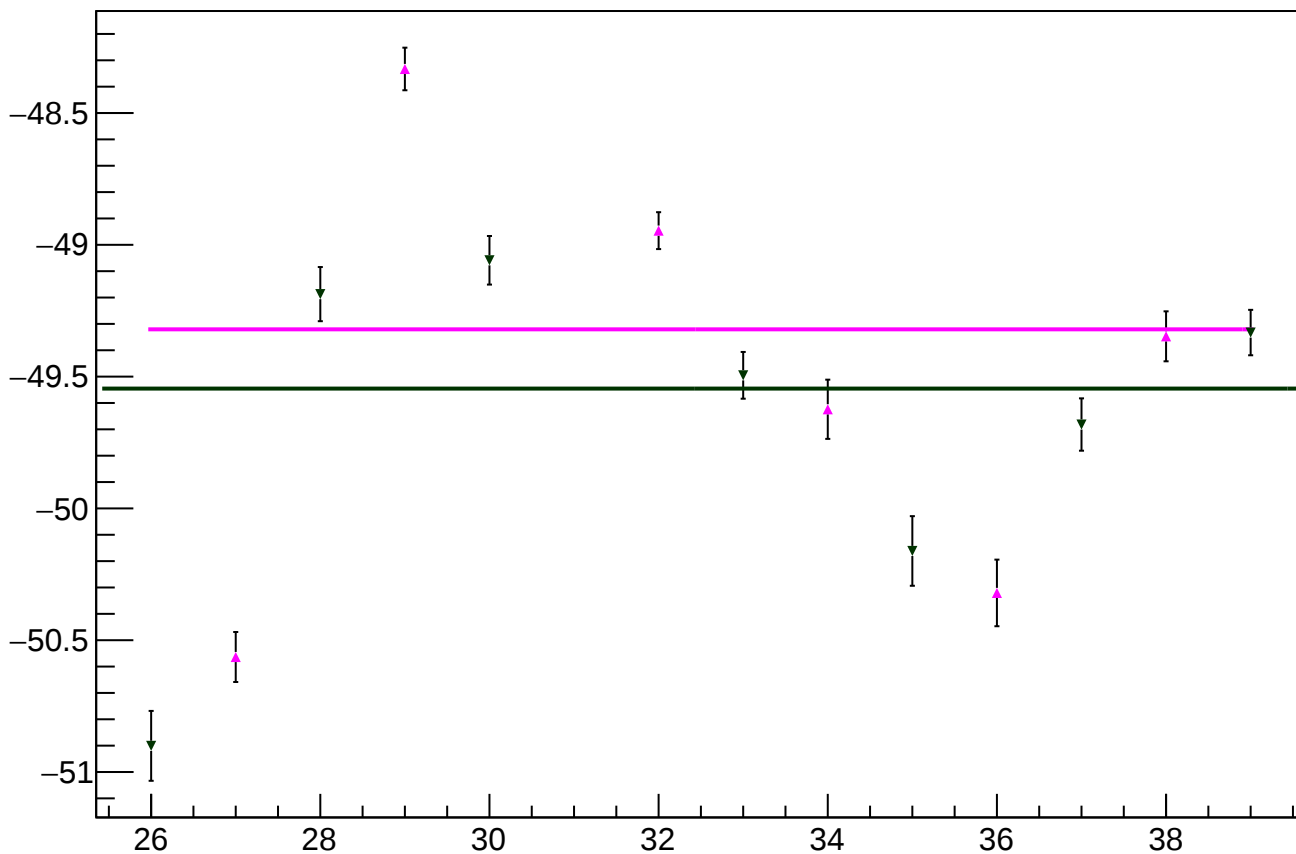
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.937+/-0.157  $\chi^2/\text{NDF}$ : 173.0/5

-1.273+/-0.170  $\chi^2/\text{NDF}$ : 260.0/6

0.937+/-0.157  $\chi^2/\text{NDF}$ : 173.0/5

# reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -49.545+/-0.038  $\chi^2/\text{NDF}$ :174.7/6

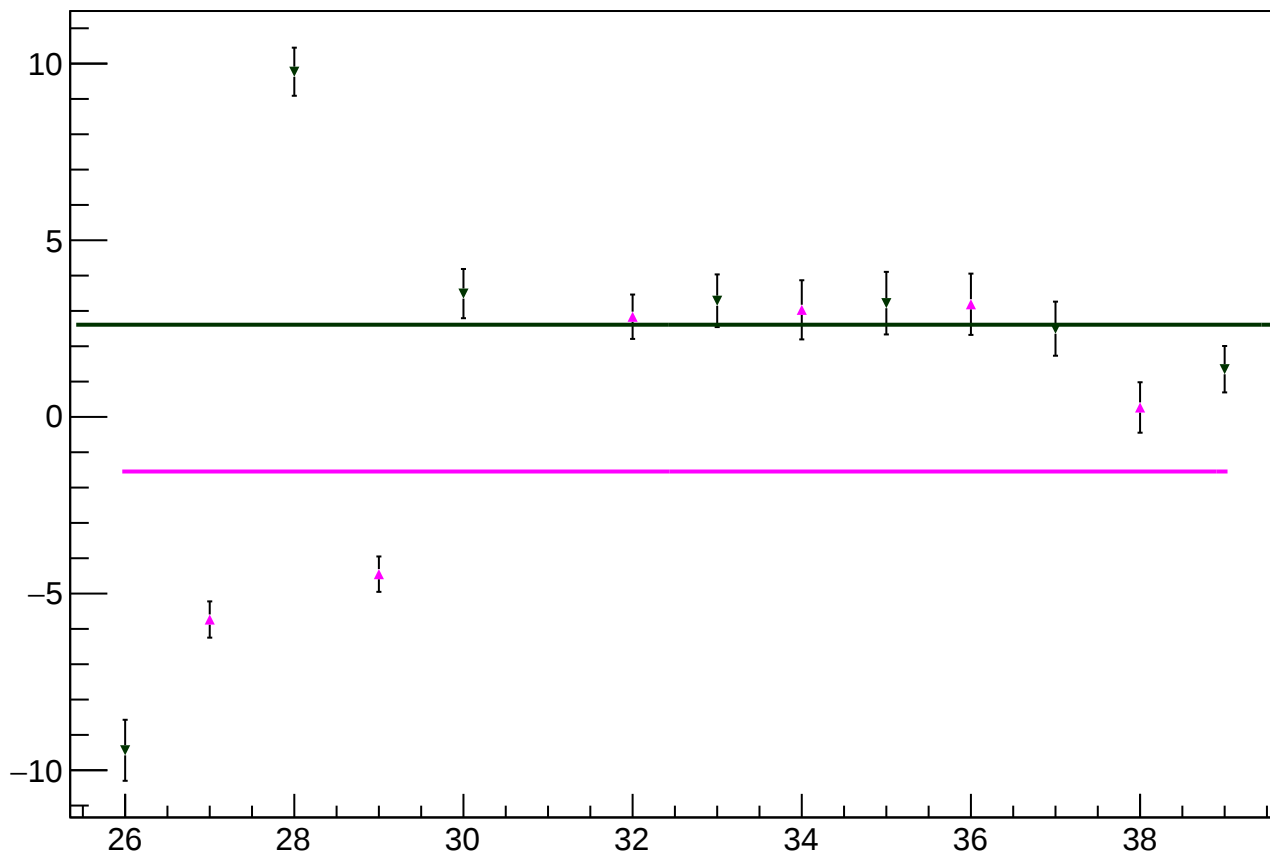
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -49.321+/-0.037  $\chi^2/\text{NDF}$ :419.9/5

-49.545+/-0.038  $\chi^2/\text{NDF}$ : 174.7/6

-49.321+/-0.037  $\chi^2/\text{NDF}$ : 419.9/5

# reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2.610+/-0.281  $\chi^2/\text{NDF}$ : 311.8/6

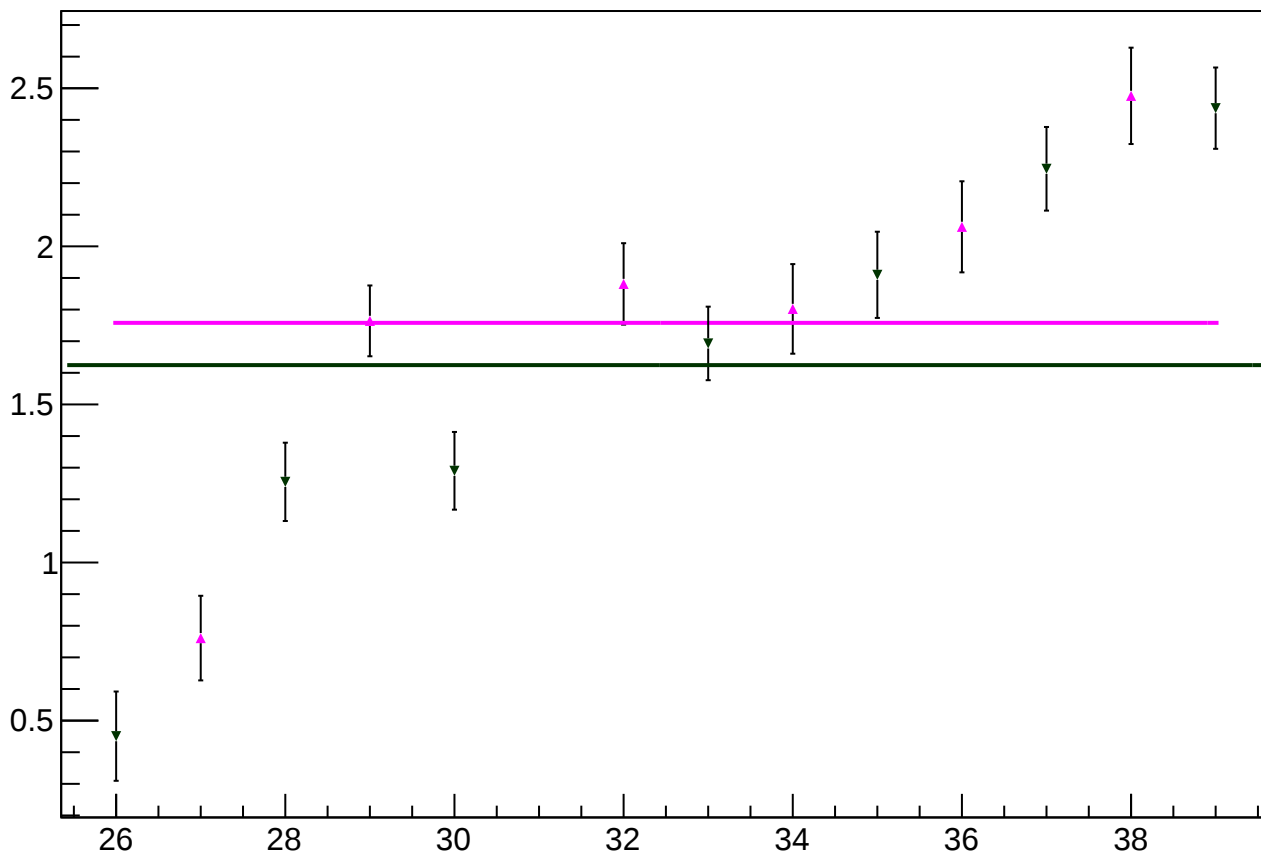
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1.545+/-0.258  $\chi^2/\text{NDF}$ : 215.0/5

2.610+/-0.281  $\chi^2/\text{NDF}$ : 311.8/6

-1.545+/-0.258  $\chi^2/\text{NDF}$ : 215.0/5

# reg\_asym\_us\_dd\_diff\_bpm11X\_slope vs slug

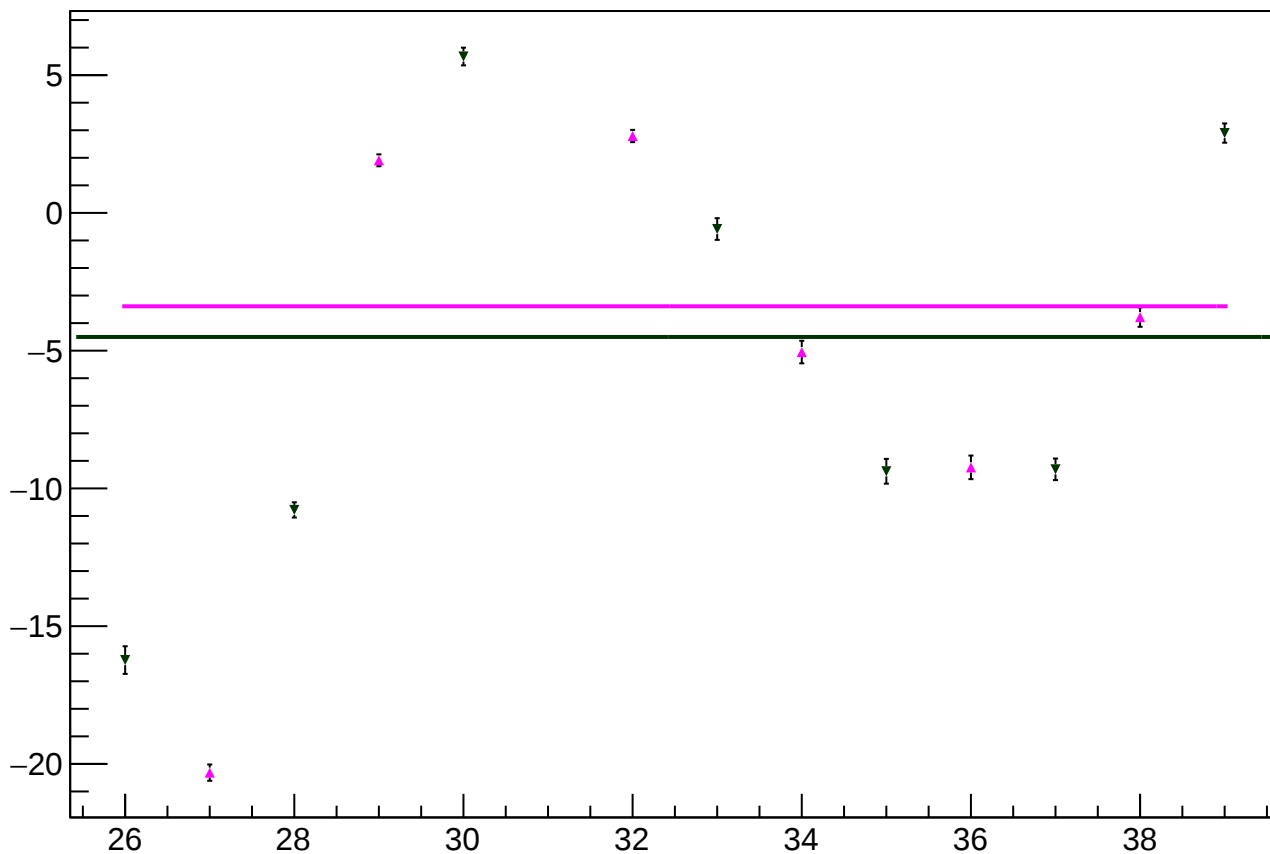


Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 1.624+/-0.048  $\chi^2/\text{NDF}$ :152.1/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 1.758+/-0.054  $\chi^2/\text{NDF}$ :83.2/5

1.624+/-0.048  $\chi^2/\text{NDF}$ : 152.1/6

1.758+/-0.054  $\chi^2/\text{NDF}$ : 83.2/5

# reg\_asym\_ds\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -4.503+/-0.138  $\chi^2/\text{NDF}$ : 2881.4/6

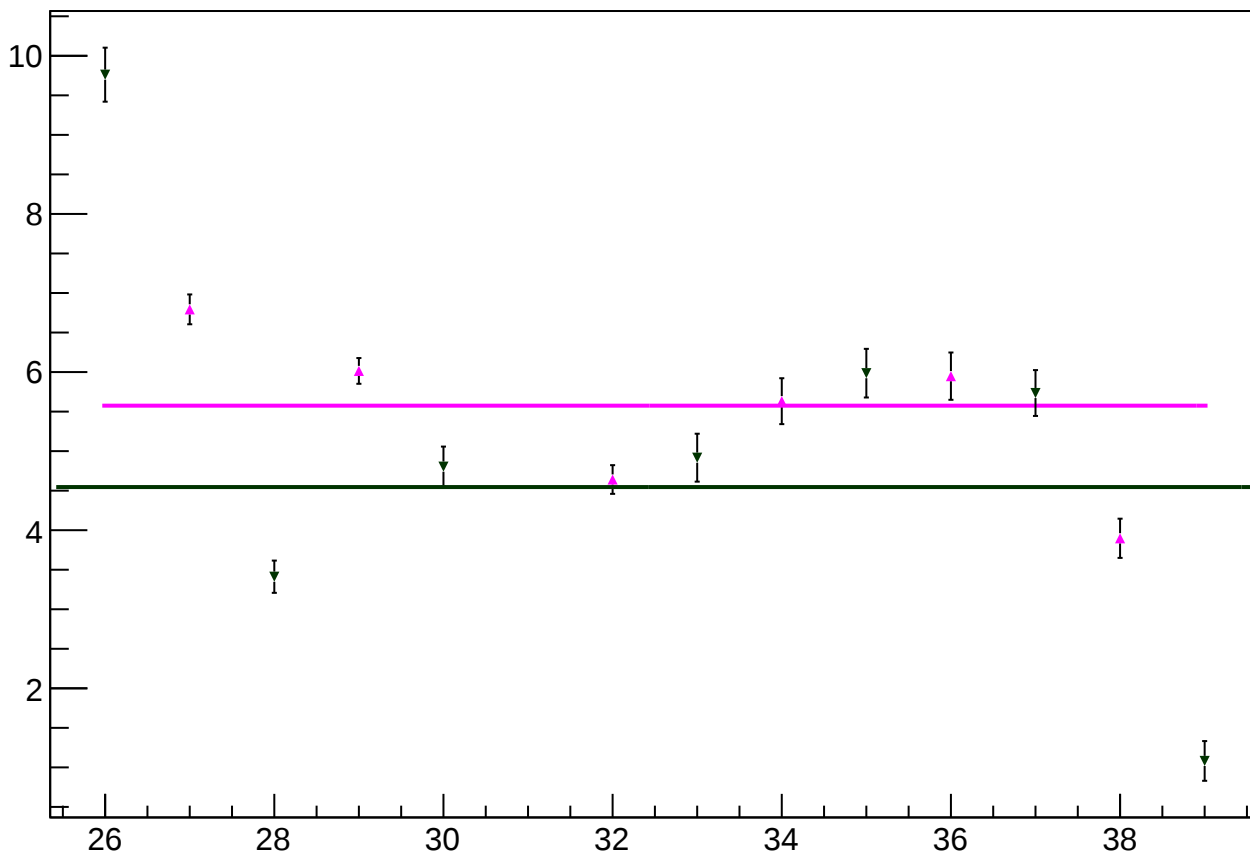
-4.503+/-0.138  $\chi^2/\text{NDF}$ : 2881.4/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-3.389+/-0.118  $\chi^2/\text{NDF}$ : 4834.9/5

Left In: -3.389+/-0.118  $\chi^2/\text{NDF}$ : 4834.9/5

# reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 4.546+/-0.101  $\chi^2/\text{NDF}$ : 495.4/6

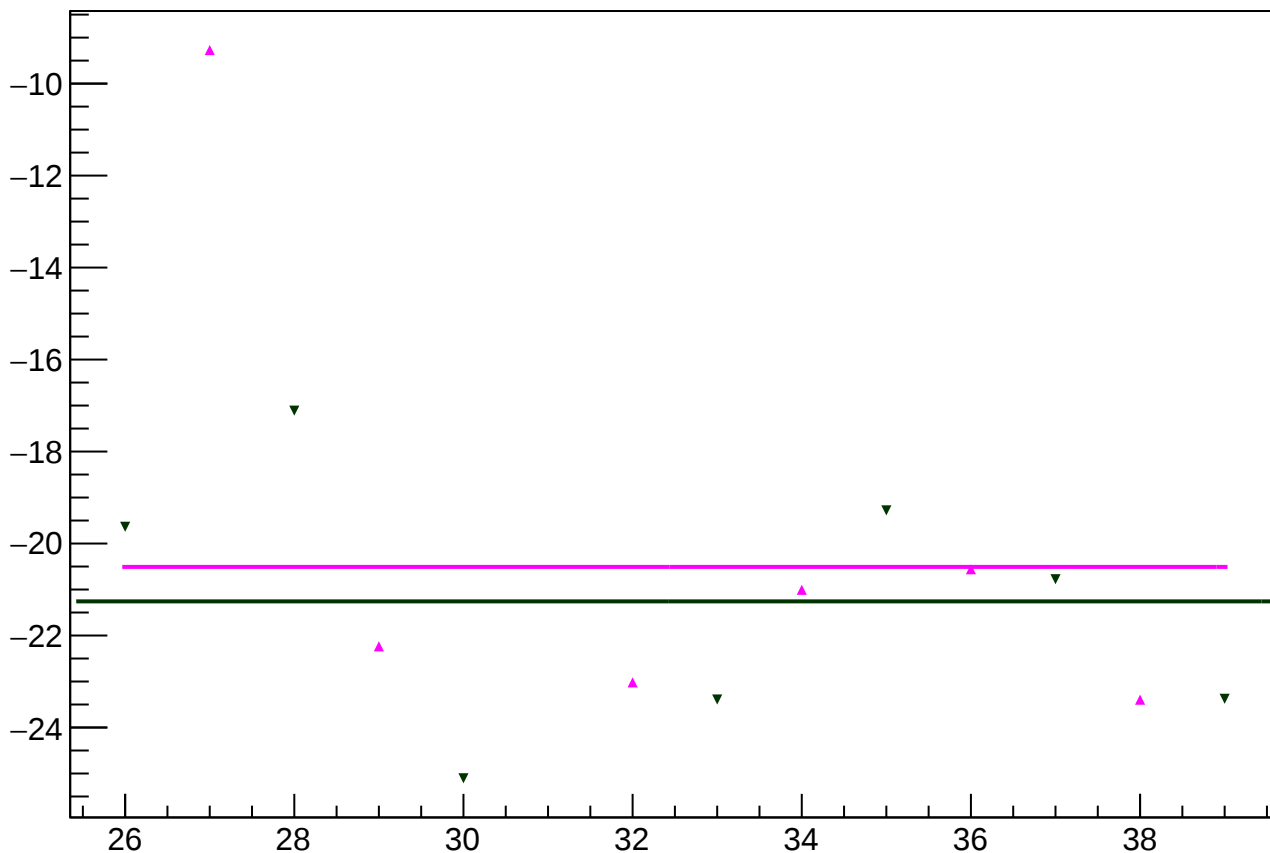
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 5.575+/-0.086  $\chi^2/\text{NDF}$ : 122.8/5

4.546+/-0.101  $\chi^2/\text{NDF}$ : 495.4/6

5.575+/-0.086  $\chi^2/\text{NDF}$ : 122.8/5

# reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -21.258+/-0.023  $\chi^2/\text{NDF}$ : 16168.1/6

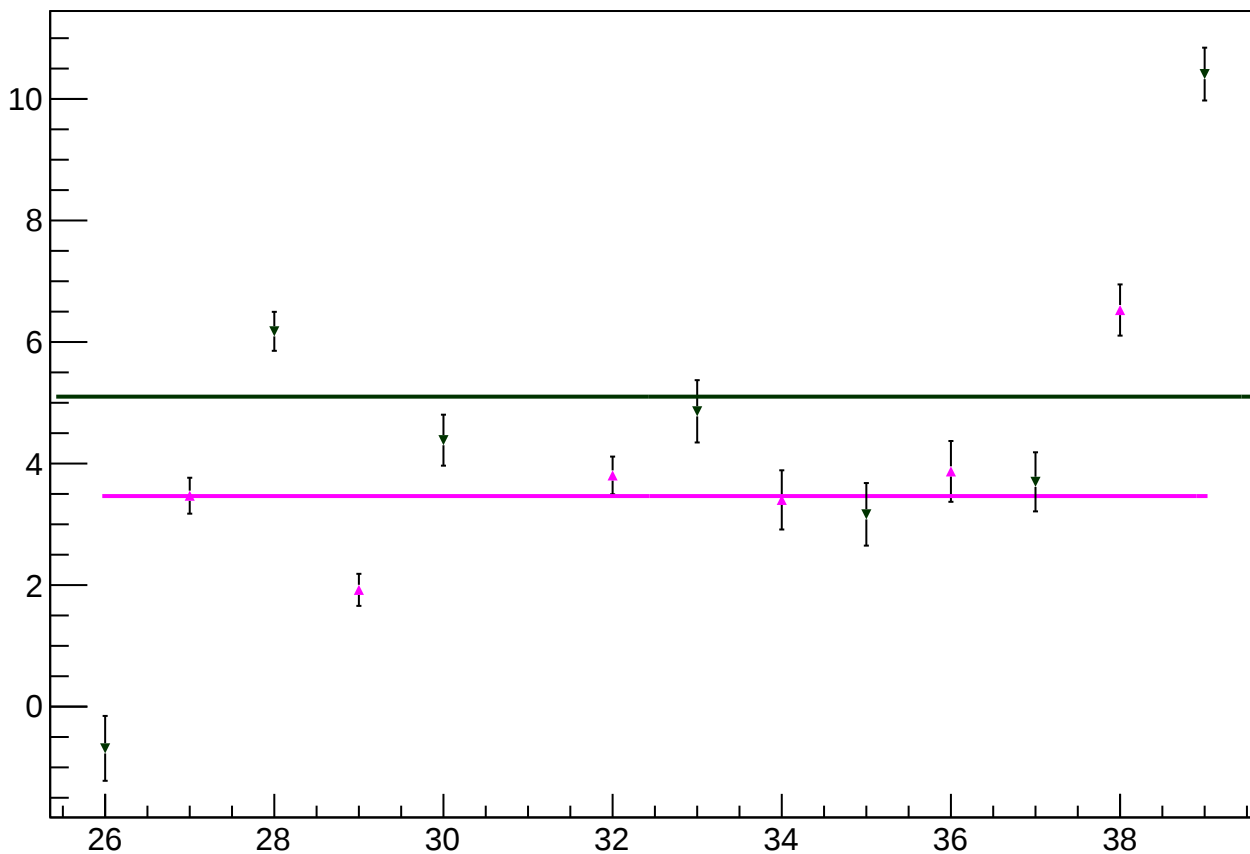
-21.258+/-0.023  $\chi^2/\text{NDF}$ : 16168.1/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-20.508+/-0.020  $\chi^2/\text{NDF}$ : 56669.8/5

Left In: -20.508+/-0.020  $\chi^2/\text{NDF}$ : 56669.8/5

# reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 5.101+/-0.167  $\chi^2/\text{NDF}$ : 303.5/6

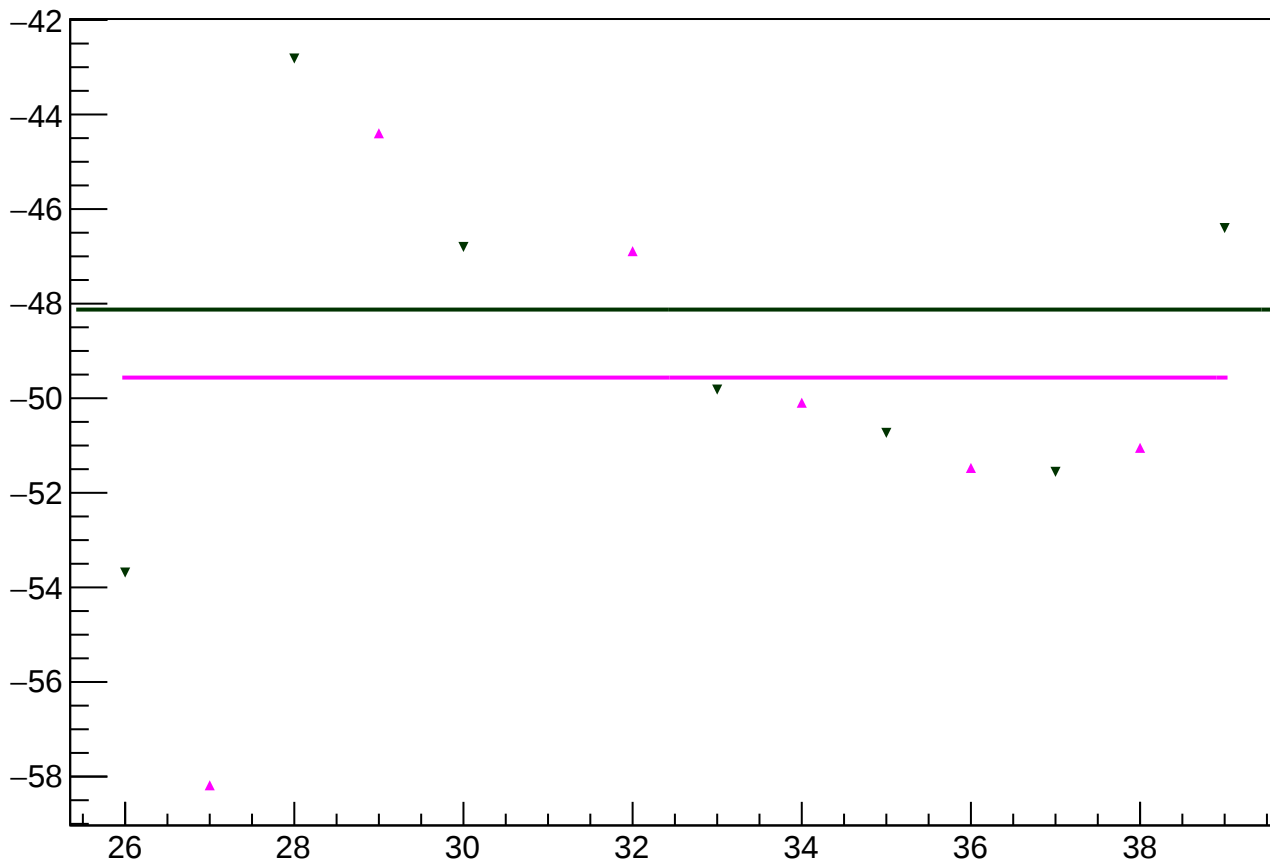
5.101+/-0.167  $\chi^2/\text{NDF}$ : 303.5/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3.465+/-0.141  $\chi^2/\text{NDF}$ : 88.9/5

3.465+/-0.141  $\chi^2/\text{NDF}$ : 88.9/5

# reg\_asym\_ds\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -48.125+/-0.029  $\chi^2/\text{NDF}$ :15635.6/6

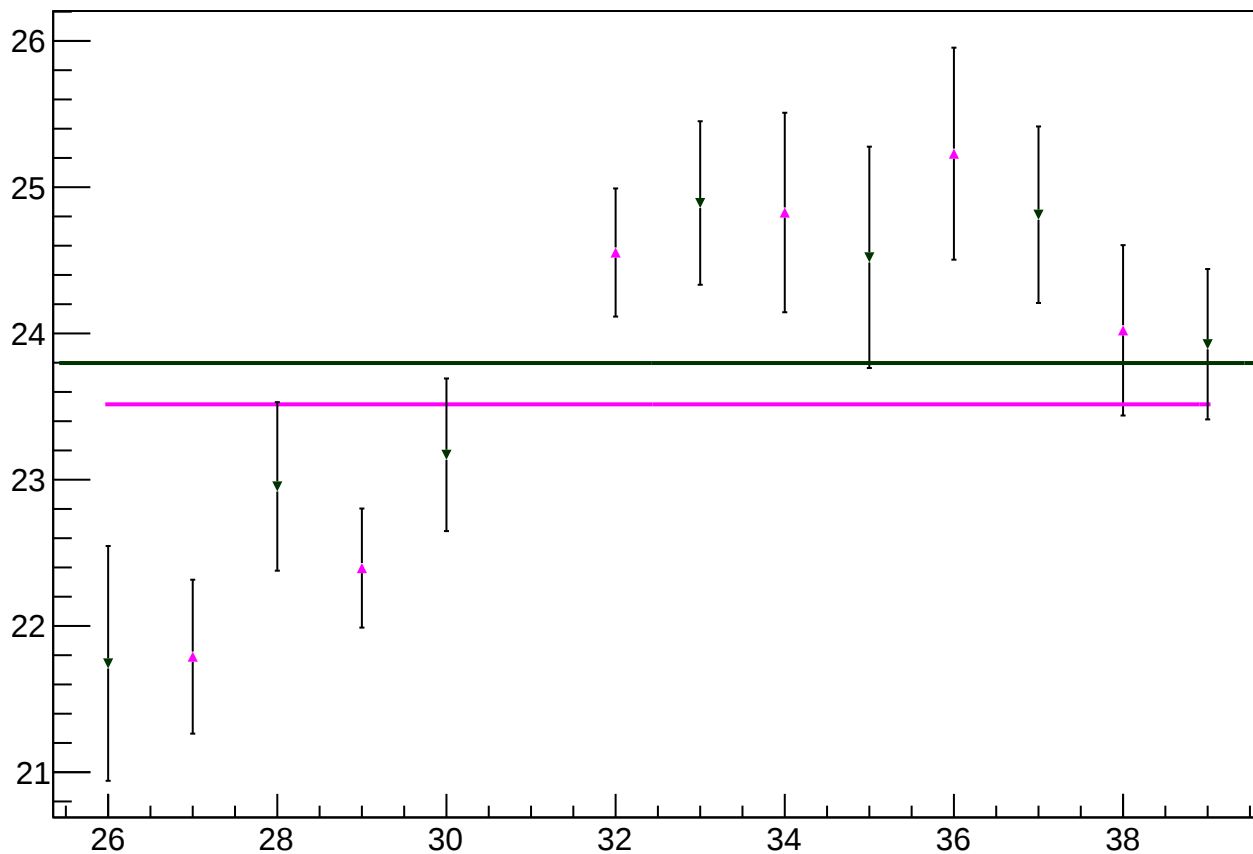
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -49.563+/-0.030  $\chi^2/\text{NDF}$ :23541.0/5

-48.125+/-0.029  $\chi^2/\text{NDF}$ : 15635.6/6

-49.563+/-0.030  $\chi^2/\text{NDF}$ : 23541.0/5

# reg\_asym\_ds\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 23.798+/-0.225  $\chi^2/\text{NDF}$ : 17.8/6

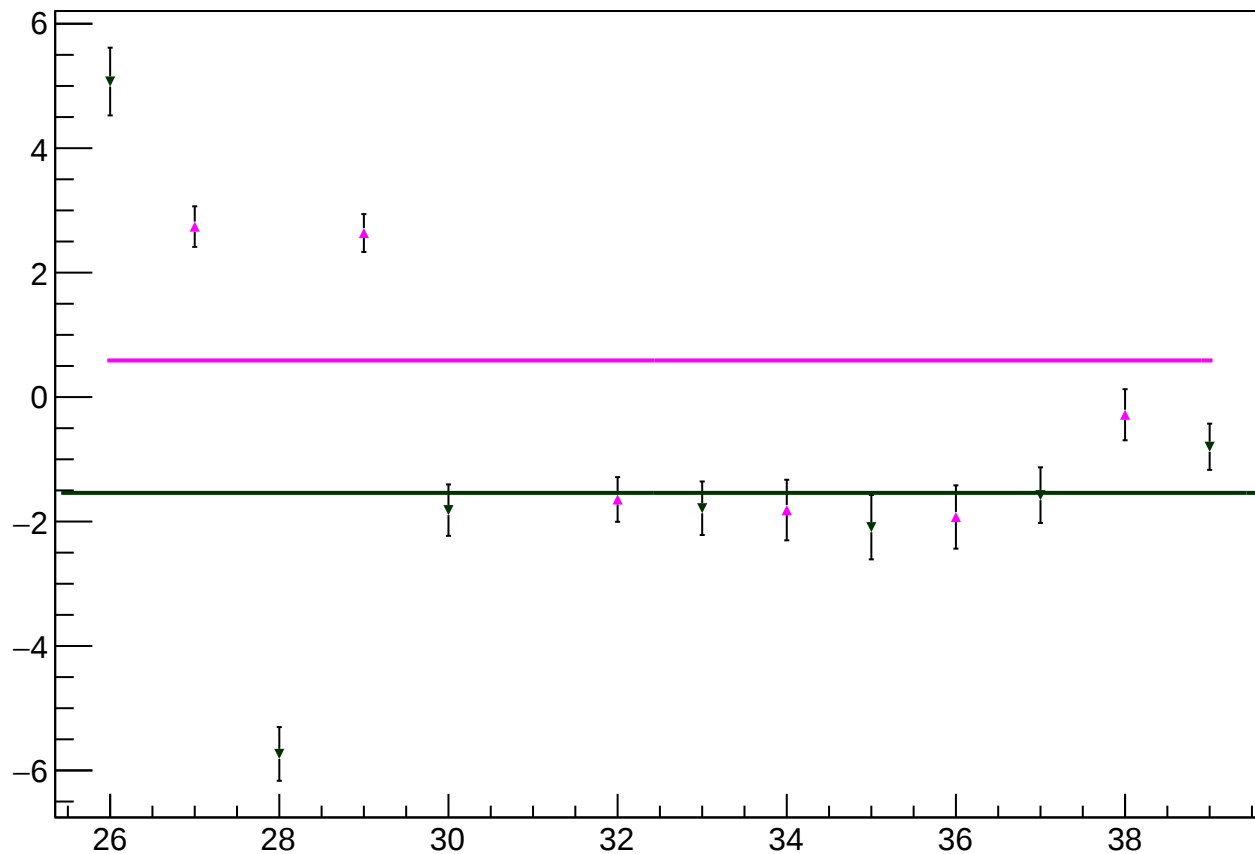
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 23.515+/-0.214  $\chi^2/\text{NDF}$ : 34.0/5

23.798+/-0.225  $\chi^2/\text{NDF}$ : 17.8/6

23.515+/-0.214  $\chi^2/\text{NDF}$ : 34.0/5

# reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -1.539+/-0.167  $\chi^2$ /NDF:247.8/6

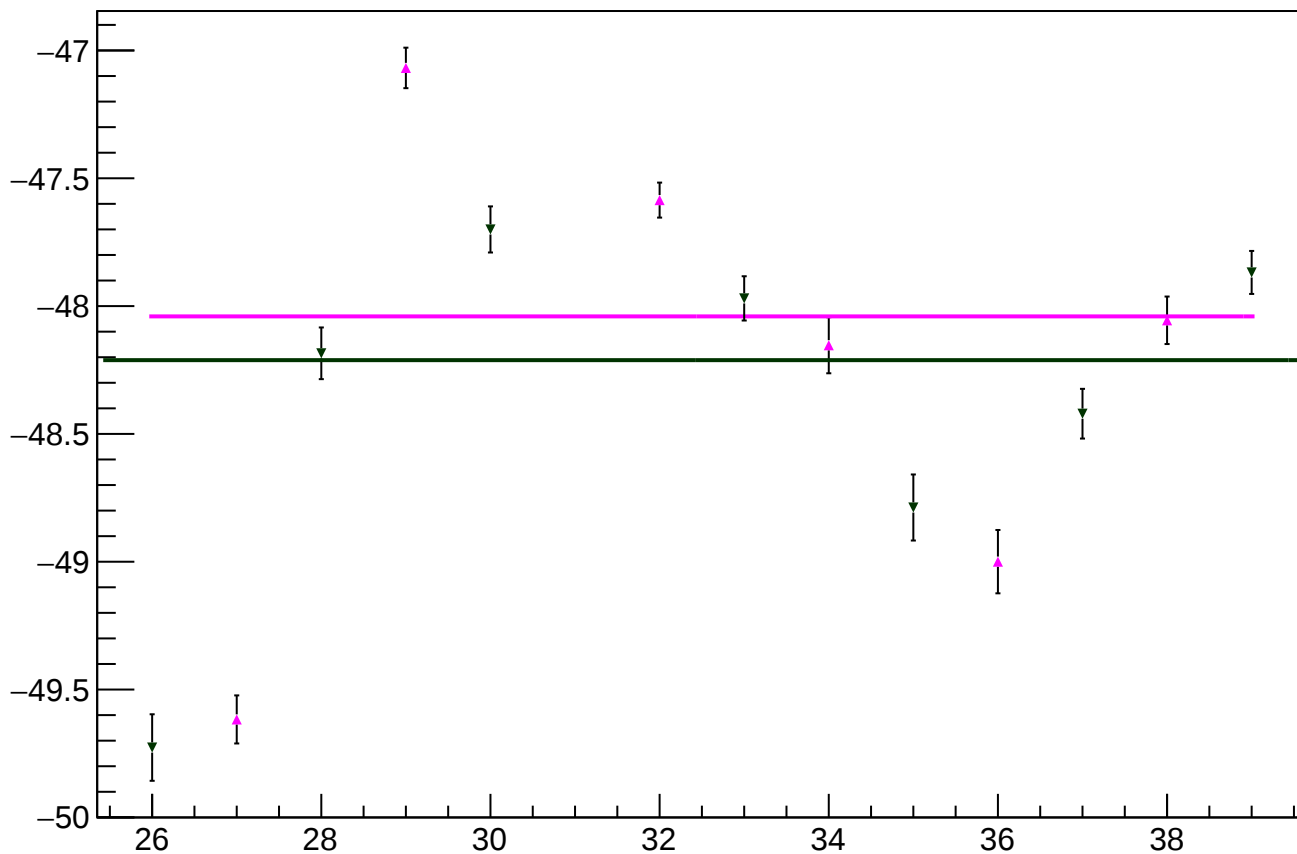
Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.589+/-0.154  $\chi^2$ /NDF:181.0/5

-1.539+/-0.167  $\chi^2$ /NDF: 247.8/6

0.589+/-0.154  $\chi^2$ /NDF: 181.0/5

# reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -48.211+/-0.037  $\chi^2/\text{NDF}$ : 216.8/6

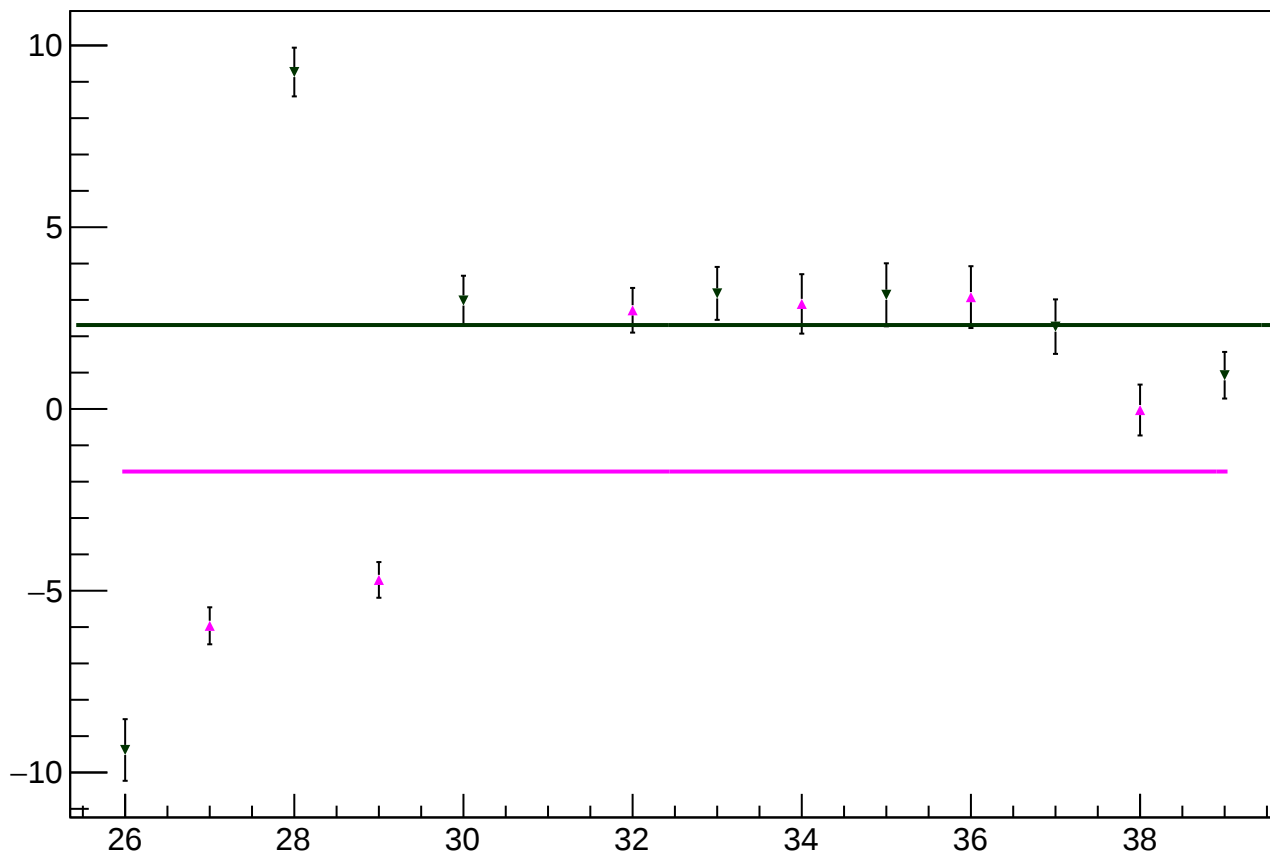
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -48.040+/-0.037  $\chi^2/\text{NDF}$ : 537.1/5

-48.211+/-0.037  $\chi^2/\text{NDF}$ : 216.8/6

-48.040+/-0.037  $\chi^2/\text{NDF}$ : 537.1/5

# reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs slug

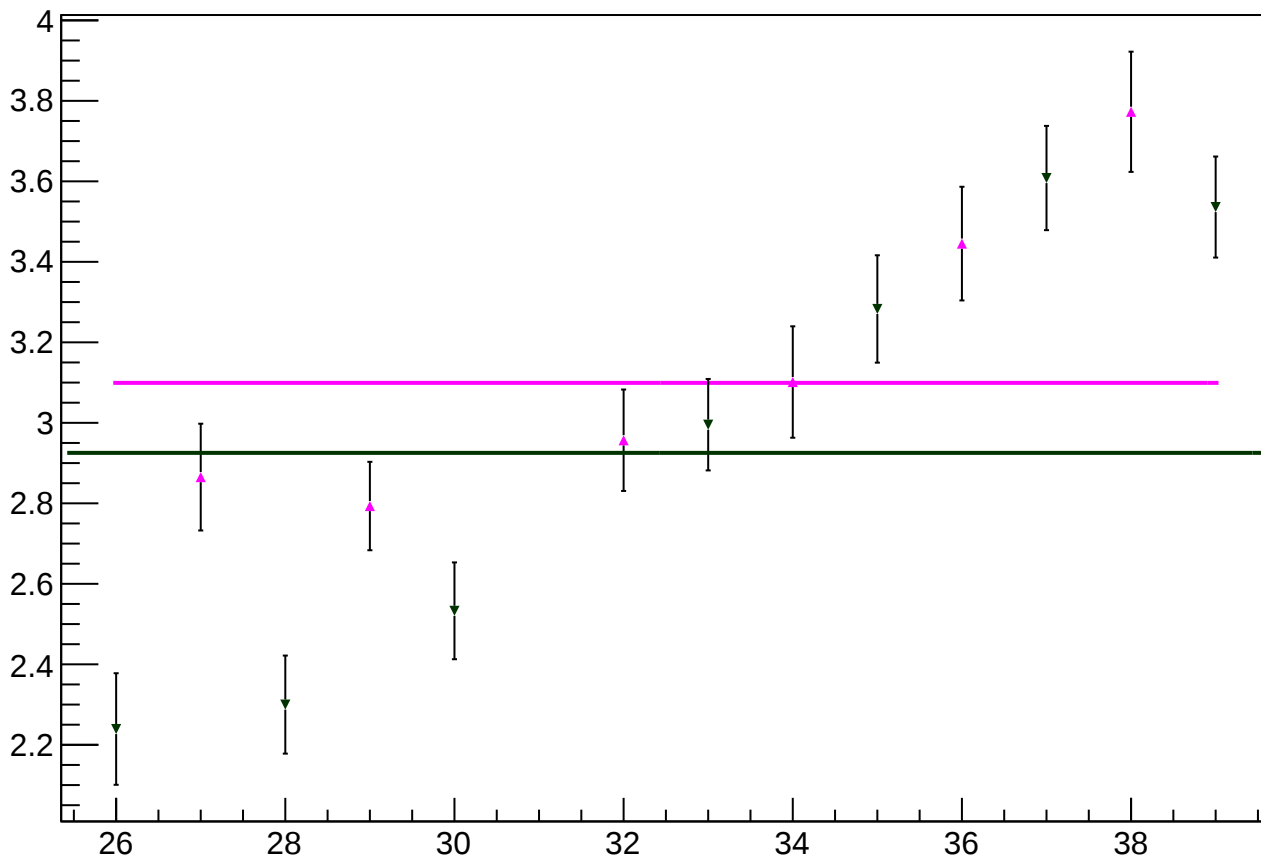


Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 2.309+/-0.275  $\chi^2/\text{NDF}$ :305.9/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: -1.721+/-0.253  $\chi^2/\text{NDF}$ :227.9/5

2.309+/-0.275  $\chi^2/\text{NDF}$ : 305.9/6

-1.721+/-0.253  $\chi^2/\text{NDF}$ : 227.9/5

# reg\_asym\_ds\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2.925+/-0.047  $\chi^2/\text{NDF}$ :120.5/6

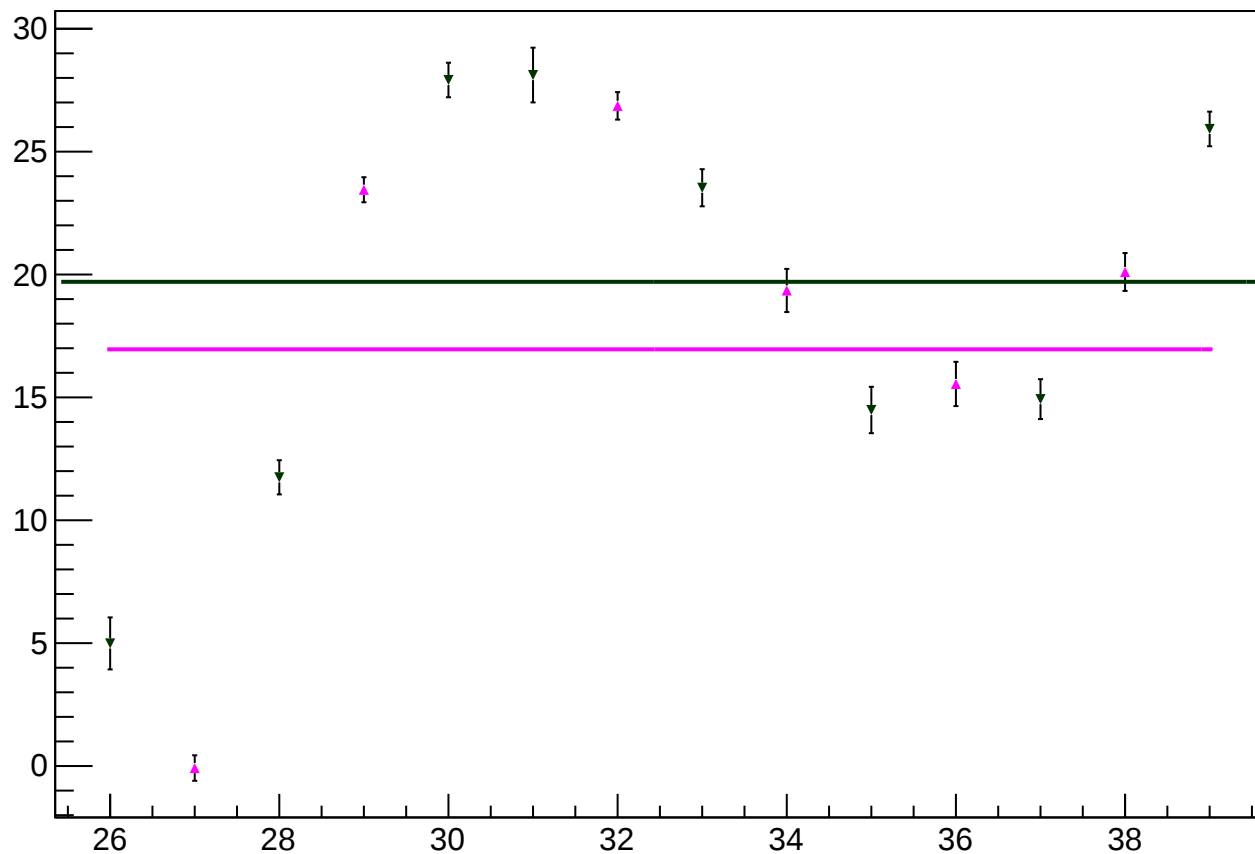
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3.099+/-0.053  $\chi^2/\text{NDF}$ :38.5/5

2.925+/-0.047  $\chi^2/\text{NDF}$ : 120.5/6

3.099+/-0.053  $\chi^2/\text{NDF}$ : 38.5/5

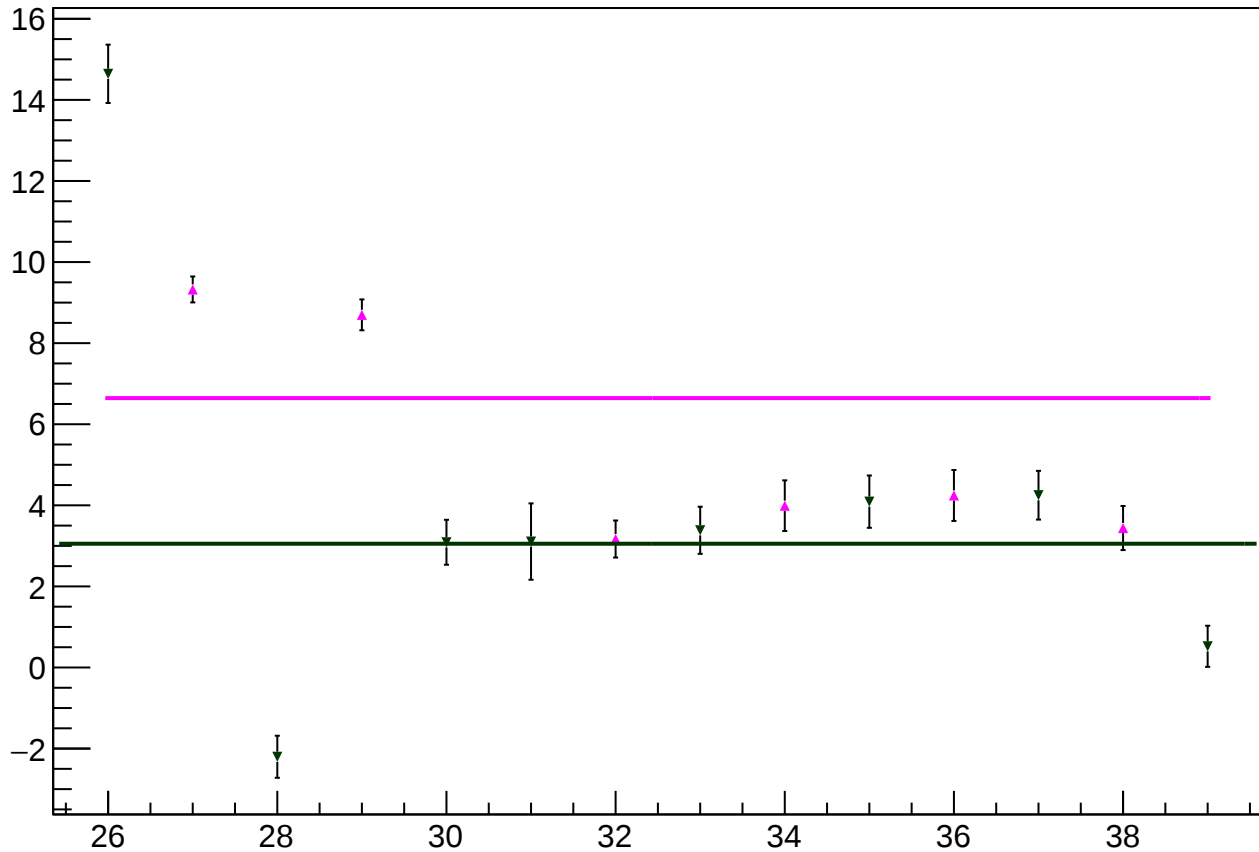
reg\_asym\_left\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 19.703+/-0.286  $\chi^2/\text{NDF}$ : 686.6/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 16.956+/-0.258  $\chi^2/\text{NDF}$ : 1581.2/5

19.703+/-0.286  $\chi^2/\text{NDF}$ : 686.6/7  
 16.956+/-0.258  $\chi^2/\text{NDF}$ : 1581.2/5

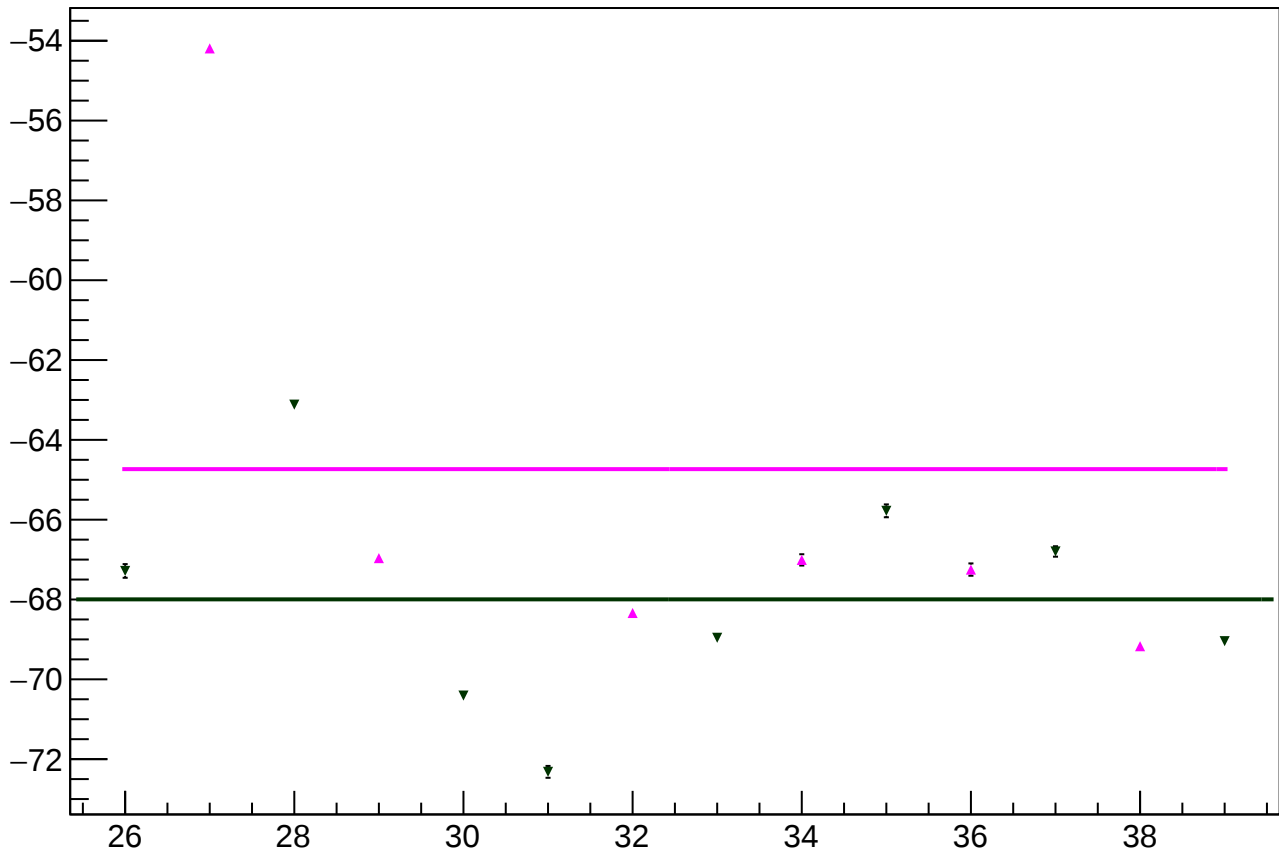
# reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 3.053+/-0.213  $\chi^2/\text{NDF}$ : 393.9/7  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 6.645+/-0.183  $\chi^2/\text{NDF}$ : 224.7/5

3.053+/-0.213  $\chi^2/\text{NDF}$ : 393.9/7  
6.645+/-0.183  $\chi^2/\text{NDF}$ : 224.7/5

# reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -67.997+/-0.047  $\chi^2/\text{NDF}$ : 3272.6/7

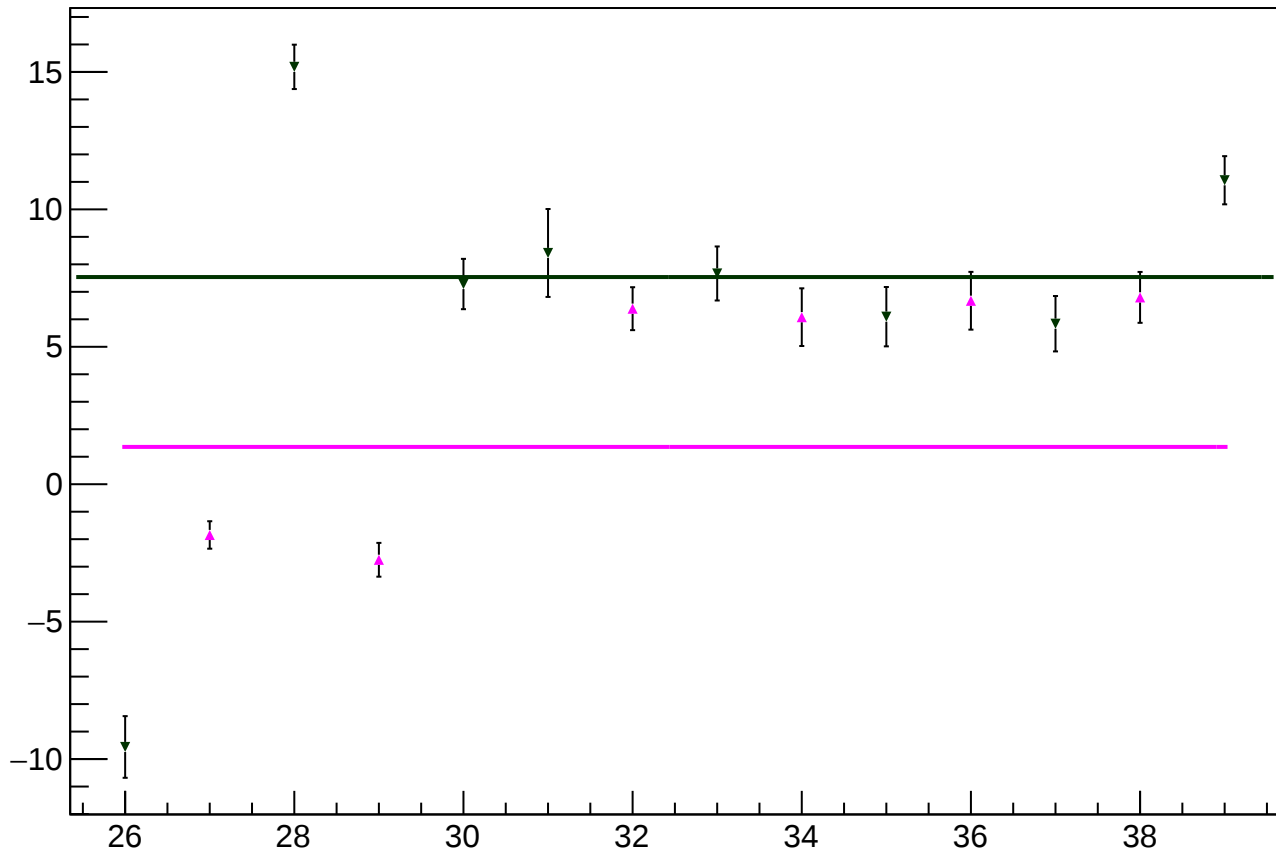
-67.997+/-0.047  $\chi^2/\text{NDF}$ : 3272.6/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-64.733+/-0.044  $\chi^2/\text{NDF}$ : 16835.9/5

Left In: -64.733+/-0.044  $\chi^2/\text{NDF}$ : 16835.9/5

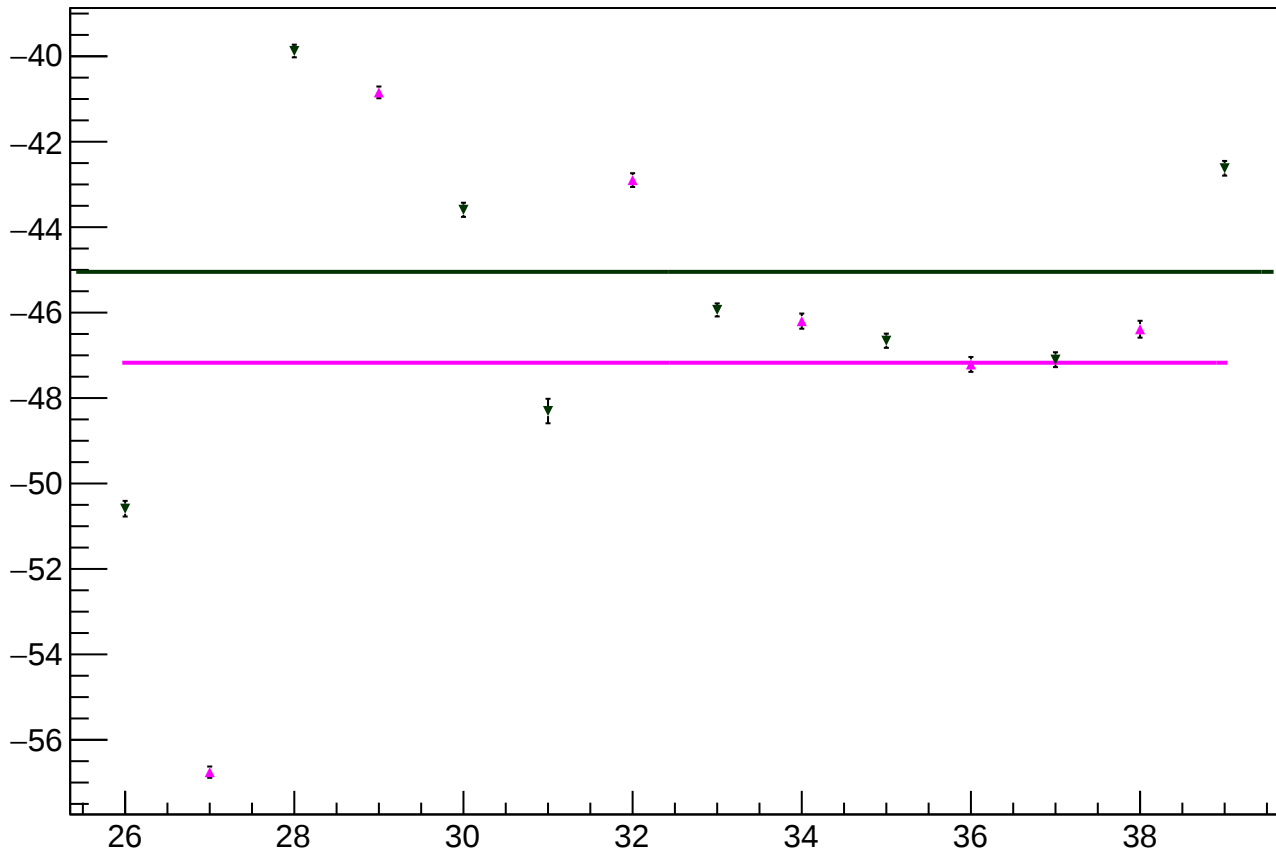
# reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 7.538+/-0.352  $\chi^2/\text{NDF}$ :343.2/7  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 1.357+/-0.298  $\chi^2/\text{NDF}$ :207.6/5

7.538+/-0.352  $\chi^2/\text{NDF}$ : 343.2/7  
1.357+/-0.298  $\chi^2/\text{NDF}$ : 207.6/5

# reg\_asym\_left\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -45.046+/-0.061  $\chi^2/\text{NDF}$ : 2796.6/7

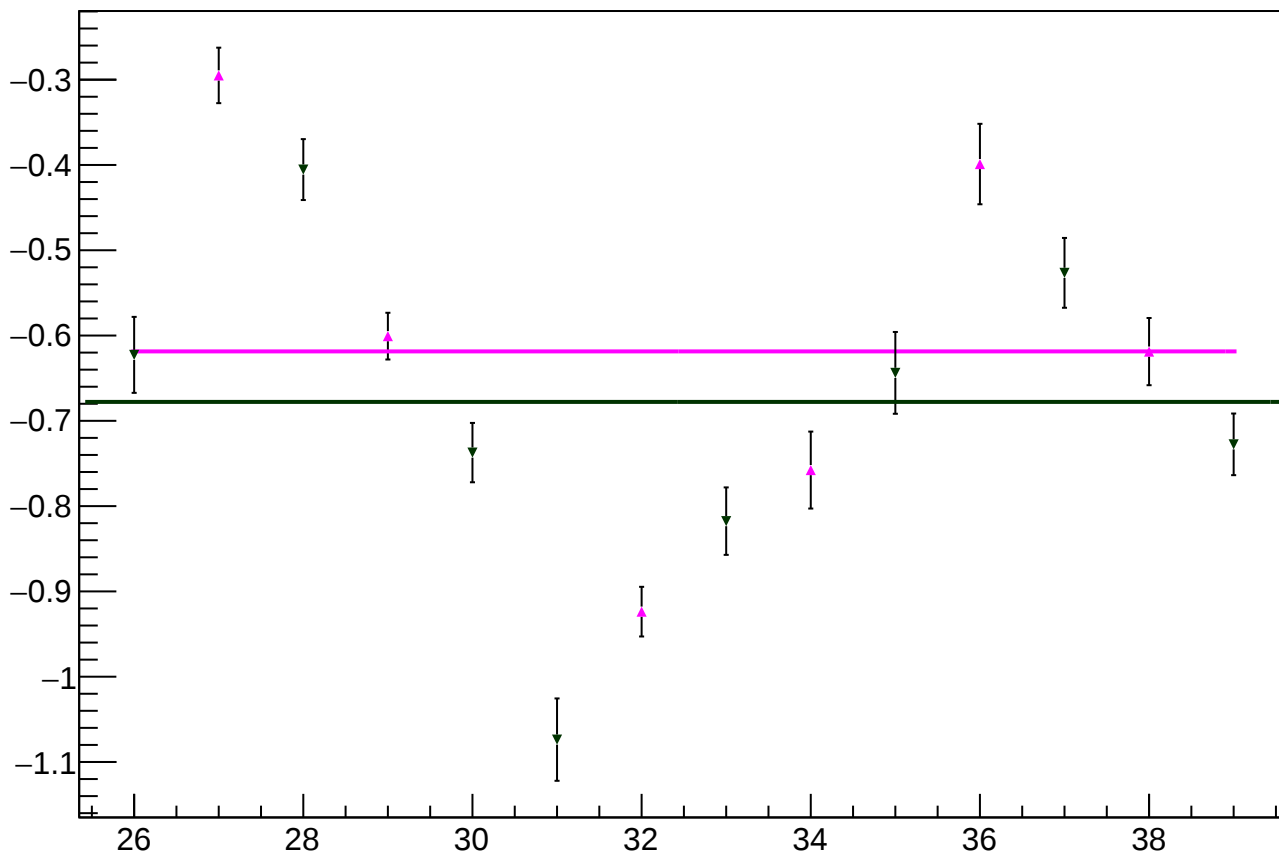
-45.046+/-0.061  $\chi^2/\text{NDF}$ : 2796.6/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -47.173+/-0.065  $\chi^2/\text{NDF}$ : 8131.4/5

-47.173+/-0.065  $\chi^2/\text{NDF}$ : 8131.4/5

# reg\_asym\_left\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.678+/-0.014  $\chi^2/\text{NDF}$ : 158.4/7

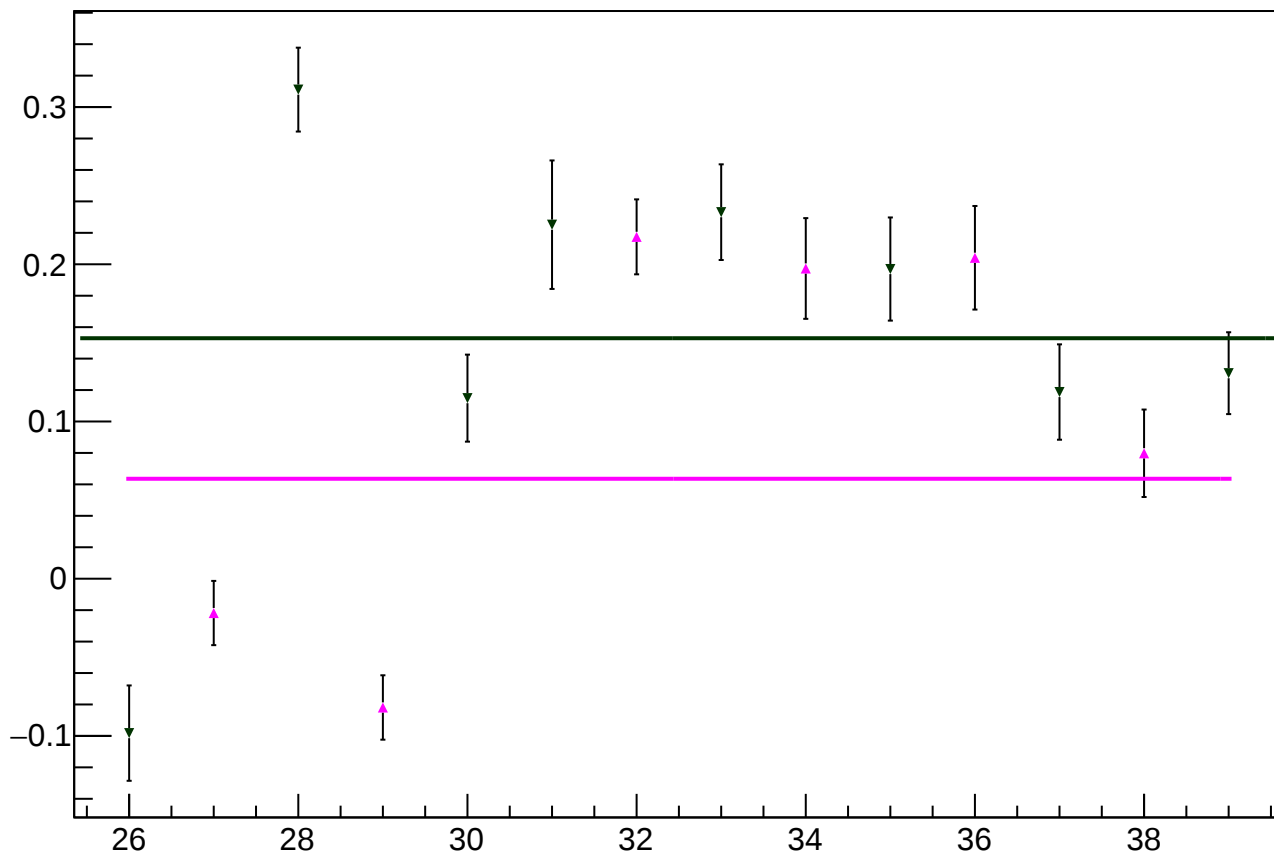
-0.678+/-0.014  $\chi^2/\text{NDF}$ : 158.4/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.619+/-0.014  $\chi^2/\text{NDF}$ : 240.4/5

Left In: -0.619+/-0.014  $\chi^2/\text{NDF}$ : 240.4/5

# reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.153+/-0.011  $\chi^2/\text{NDF}$ : 119.5/7

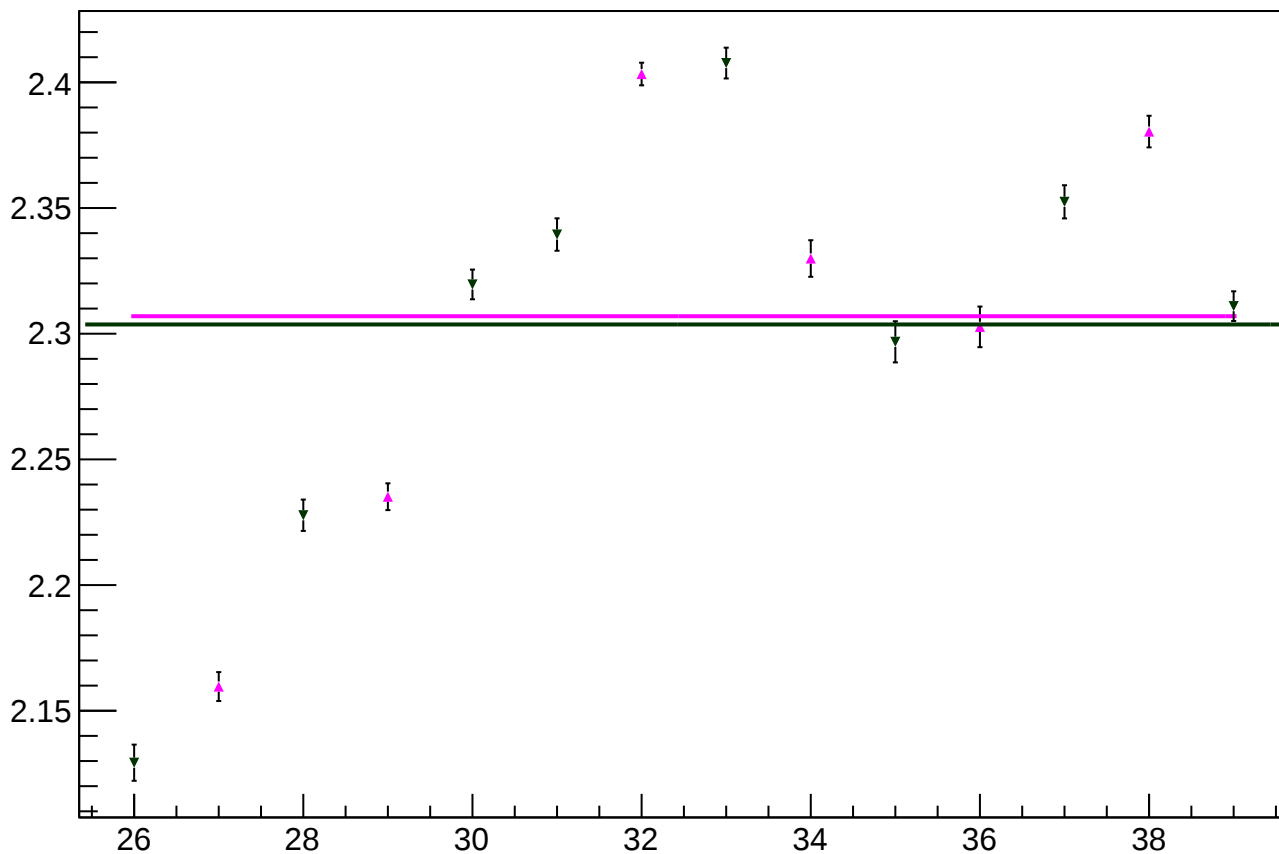
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.064+/-0.010  $\chi^2/\text{NDF}$ : 145.6/5

0.153+/-0.011  $\chi^2/\text{NDF}$ : 119.5/7

0.064+/-0.010  $\chi^2/\text{NDF}$ : 145.6/5

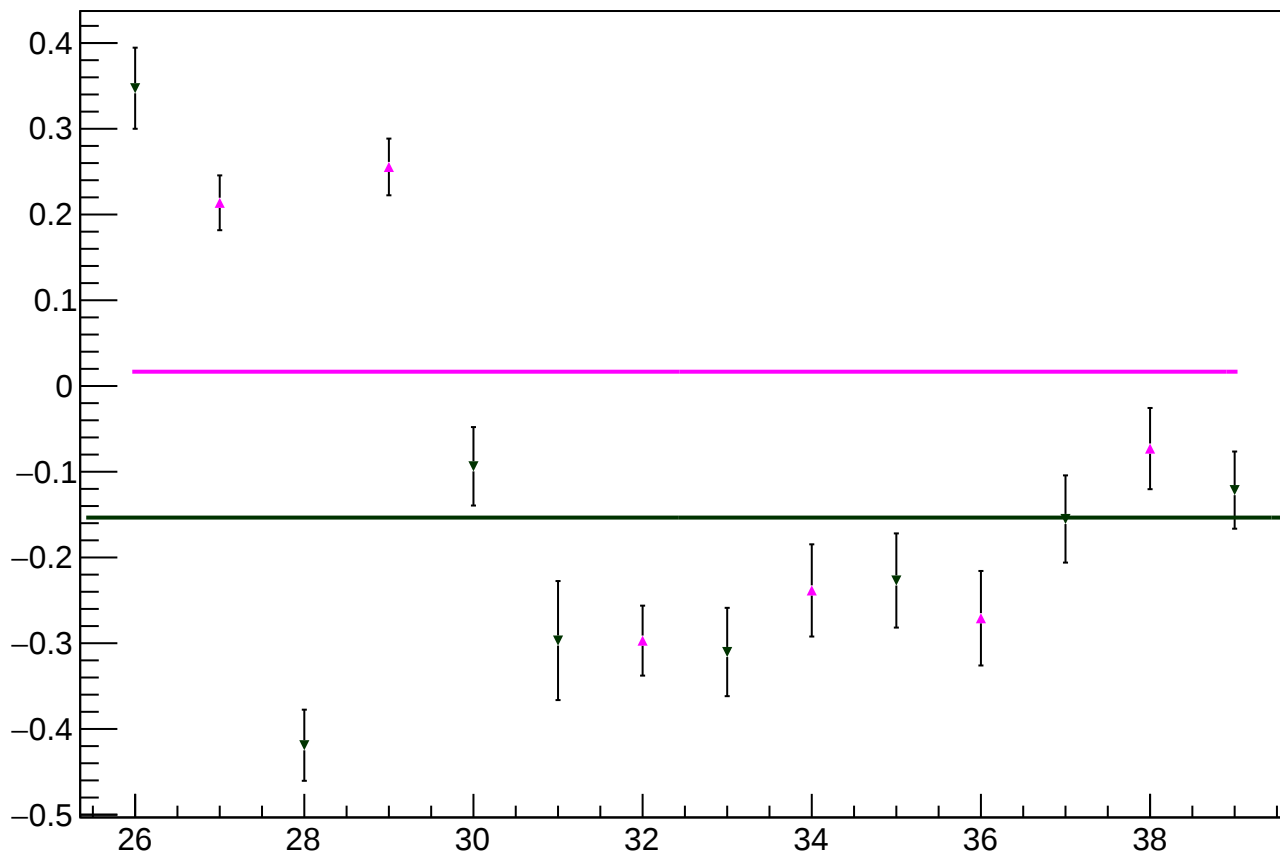
# reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Left Out: 2.304 $\pm$ 0.002  $\chi^2$ /NDF:1118.3/7  
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Left In: 2.307 $\pm$ 0.002  $\chi^2$ /NDF:1442.8/5

2.304 $\pm$ 0.002  $\chi^2$ /NDF: 1118.3/7  
2.307 $\pm$ 0.002  $\chi^2$ /NDF: 1442.8/5

# reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -0.153 $\pm$ 0.017  $\chi^2$ /NDF:170.6/7

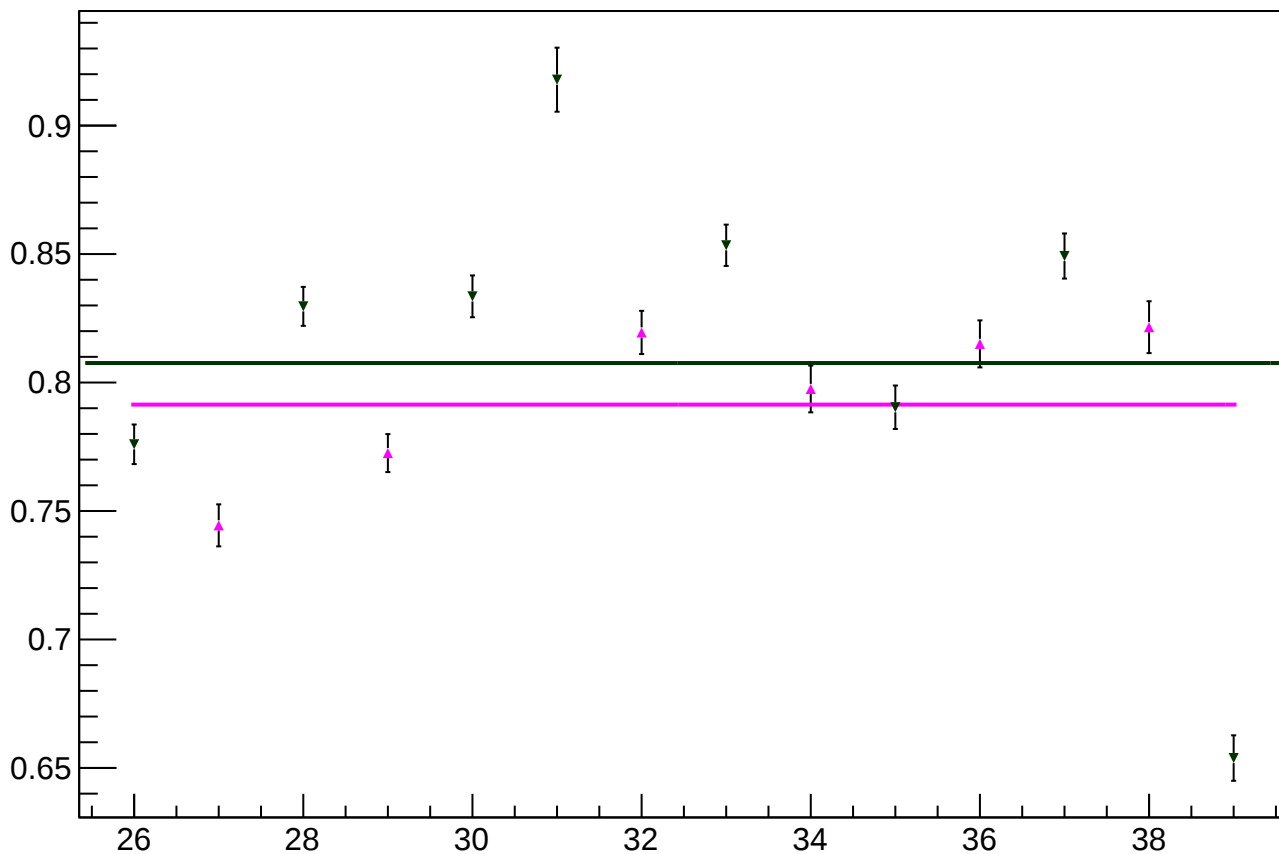
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.017 $\pm$ 0.017  $\chi^2$ /NDF:202.5/5

-0.153 $\pm$ 0.017  $\chi^2$ /NDF: 170.6/7

0.017 $\pm$ 0.017  $\chi^2$ /NDF: 202.5/5

# reg\_asym\_left\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.808+/-0.003  $\chi^2/\text{NDF}$ : 474.6/7

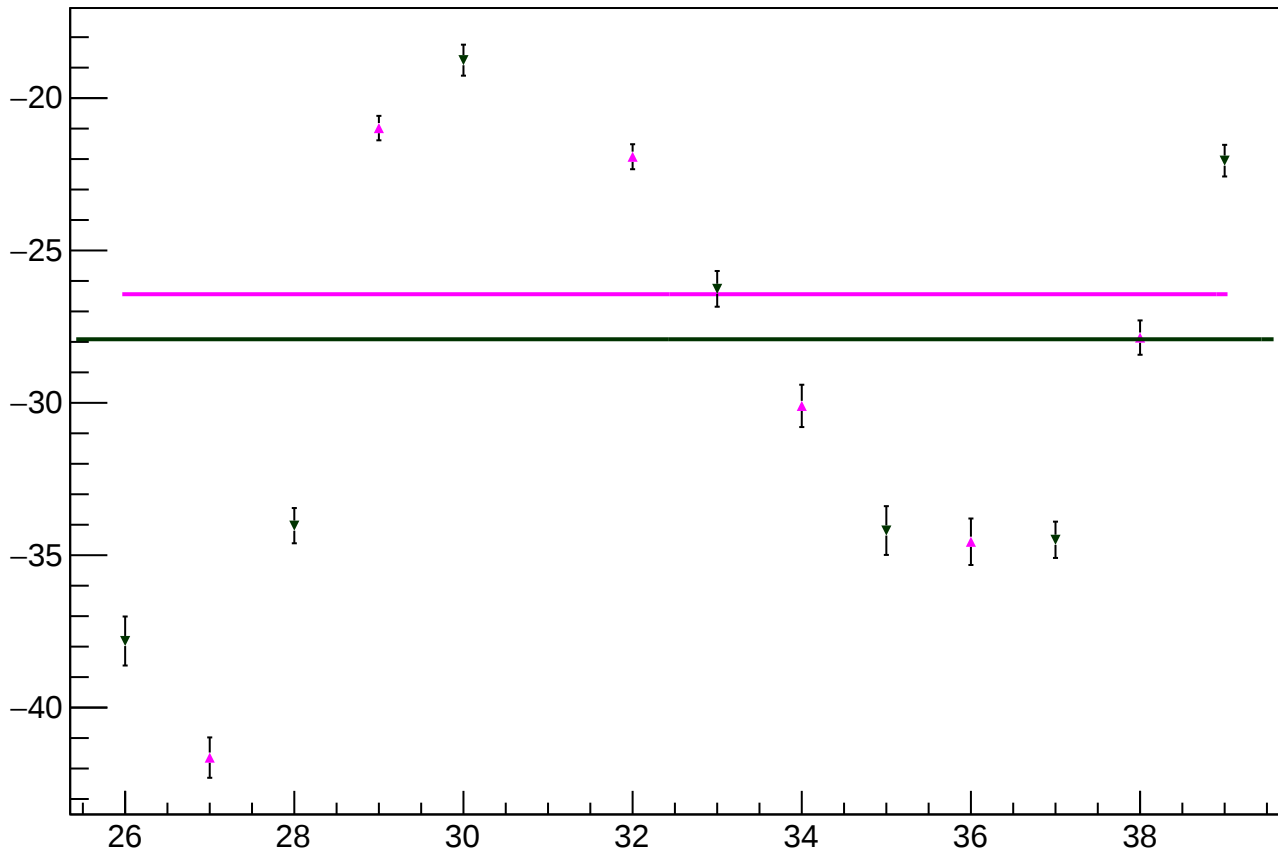
0.808+/-0.003  $\chi^2/\text{NDF}$ : 474.6/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.791+/-0.004  $\chi^2/\text{NDF}$ : 66.7/5

Left In: 0.791+/-0.004  $\chi^2/\text{NDF}$ : 66.7/5

# reg\_asym\_right\_avg\_diff\_bpm4aX\_slope vs slug



Right In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left Out:  $-27.914 \pm 0.227$   $\chi^2/\text{NDF}$ : 906.6/6

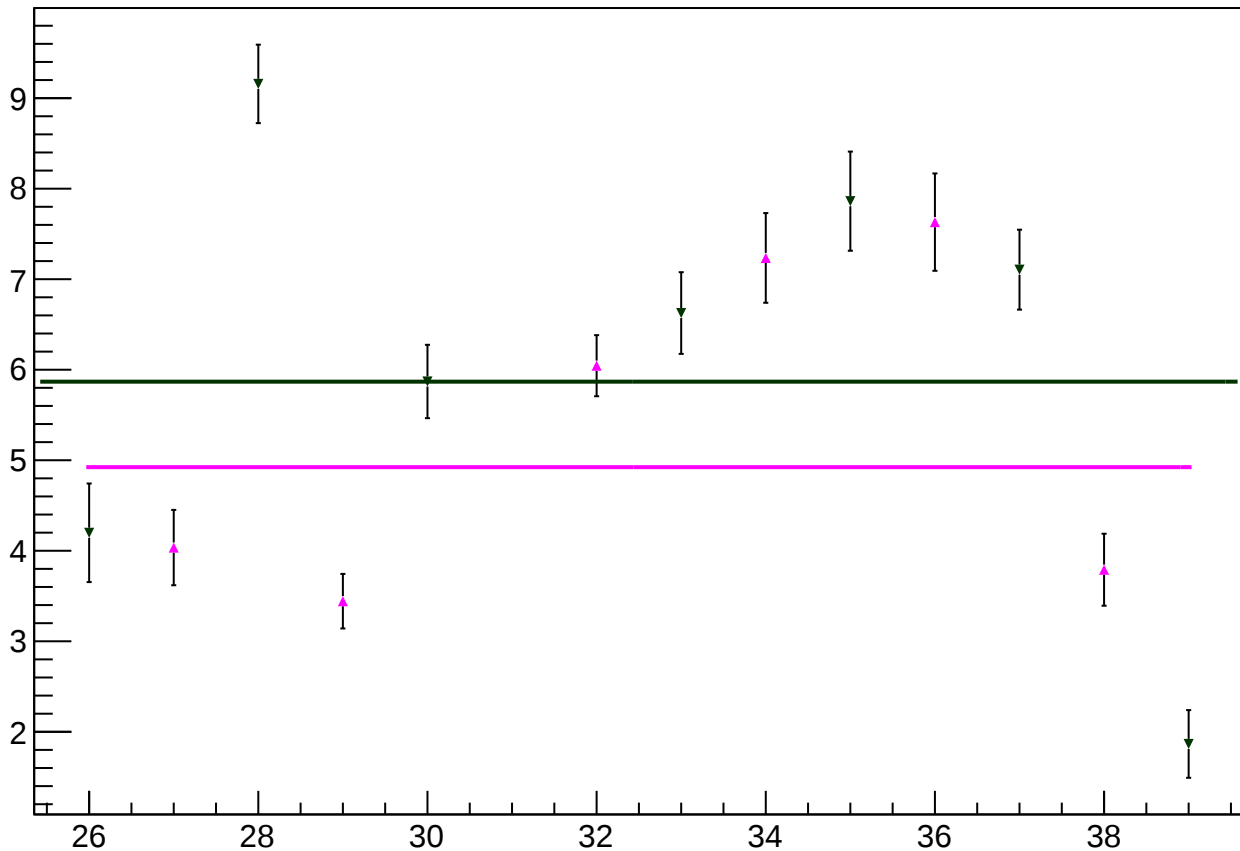
$-27.914 \pm 0.227$   $\chi^2/\text{NDF}$ : 906.6/6

Right Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left In:  $-26.435 \pm 0.216$   $\chi^2/\text{NDF}$ : 980.0/5

$-26.435 \pm 0.216$   $\chi^2/\text{NDF}$ : 980.0/5

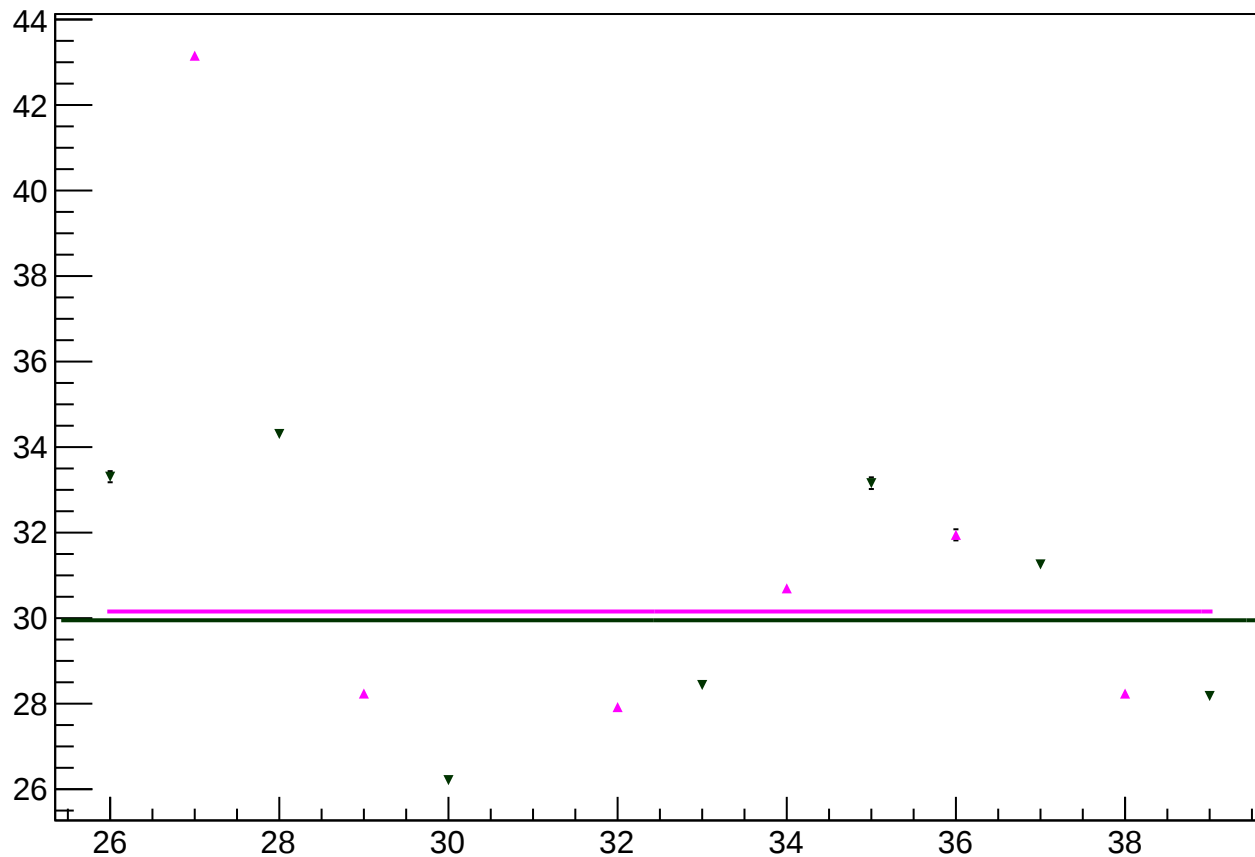
# reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Left Out: 5.868 $\pm$ 0.168  $\chi^2$ /NDF: 205.4/6  
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Left In: 4.924 $\pm$ 0.159  $\chi^2$ /NDF: 95.0/5

5.868 $\pm$ 0.168  $\chi^2$ /NDF: 205.4/6  
4.924 $\pm$ 0.159  $\chi^2$ /NDF: 95.0/5

reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 29.950+/-0.037  $\chi^2/\text{NDF}$ : 5891.6/6

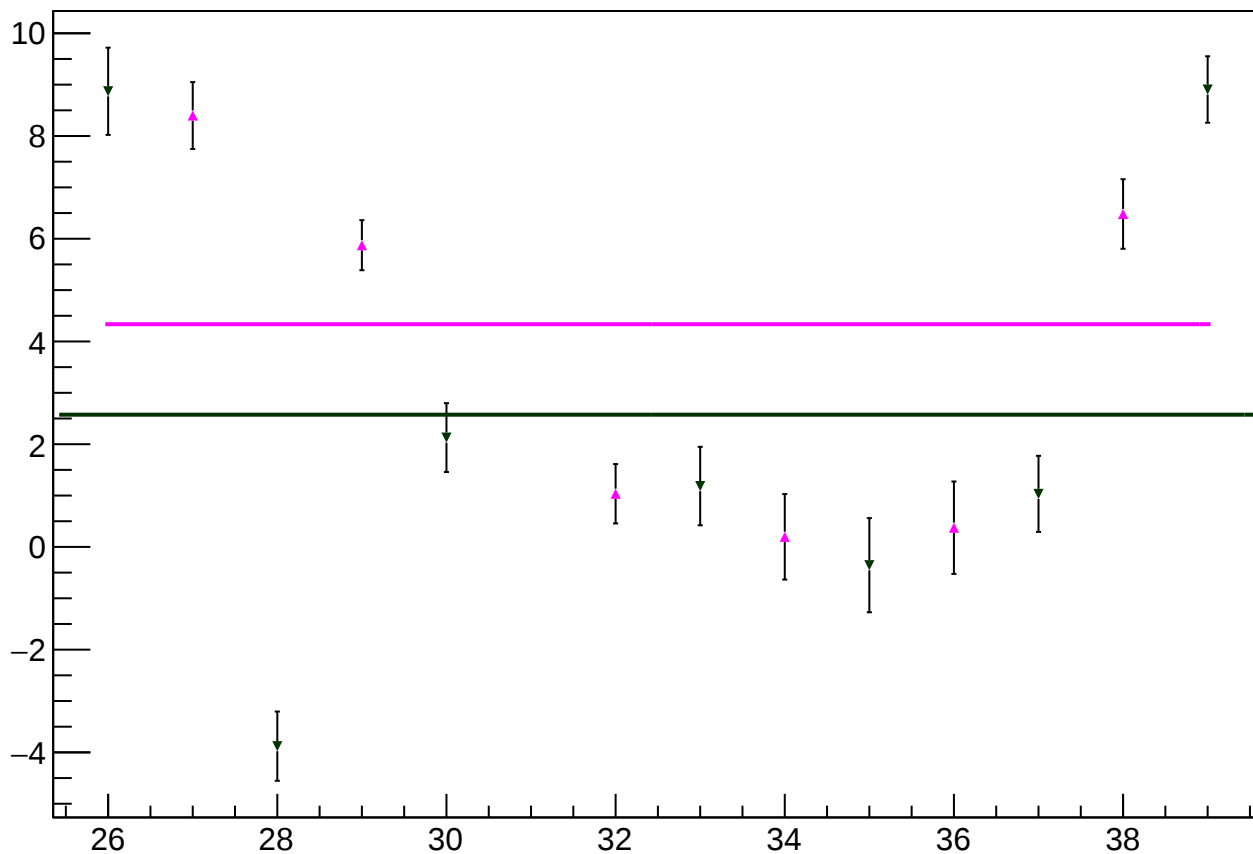
29.950+/-0.037  $\chi^2/\text{NDF}$ : 5891.6/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 30.155+/-0.037  $\chi^2/\text{NDF}$ : 14815.0/5

30.155+/-0.037  $\chi^2/\text{NDF}$ : 14815.0/5

# reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2.574+/-0.278  $\chi^2/\text{NDF}$ :260.7/6

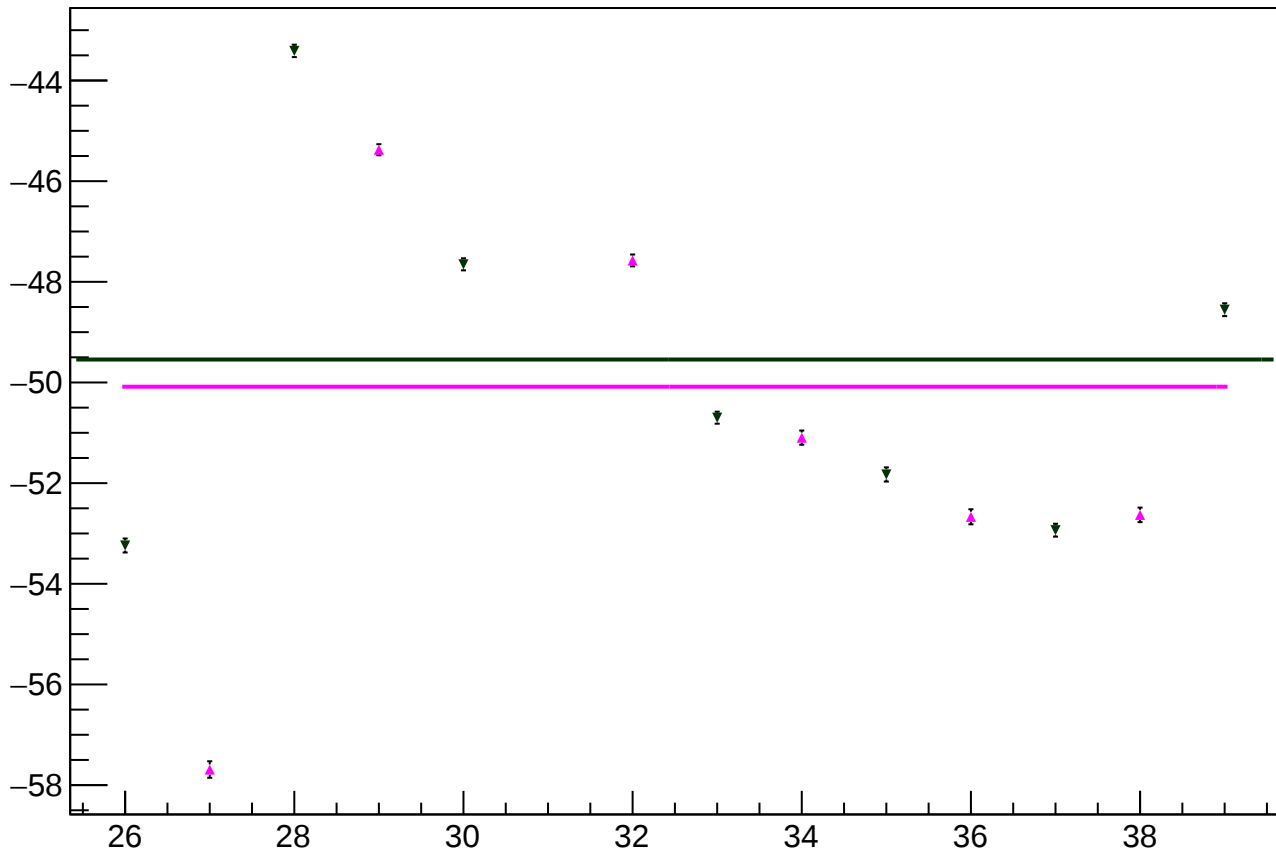
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 4.336+/-0.263  $\chi^2/\text{NDF}$ :135.7/5

2.574+/-0.278  $\chi^2/\text{NDF}$ : 260.7/6

4.336+/-0.263  $\chi^2/\text{NDF}$ : 135.7/5

# reg\_asym\_right\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -49.543+/-0.048  $\chi^2/\text{NDF}$ : 4526.0/6

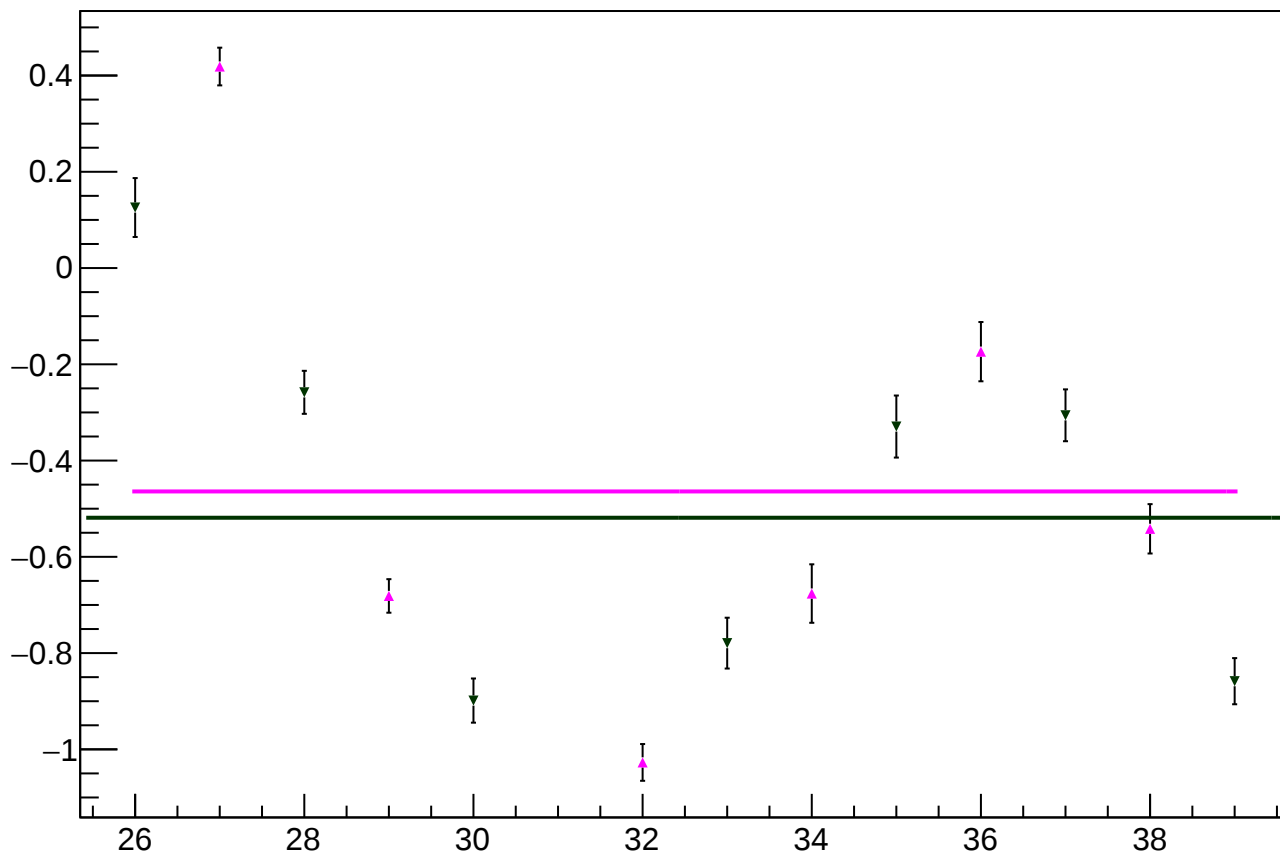
-49.543+/-0.048  $\chi^2/\text{NDF}$ : 4526.0/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-50.084+/-0.055  $\chi^2/\text{NDF}$ : 5096.0/5

Left In: -50.084+/-0.055  $\chi^2/\text{NDF}$ : 5096.0/5

# reg\_asym\_right\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.519+/-0.020  $\chi^2/\text{NDF}$ : 312.2/6

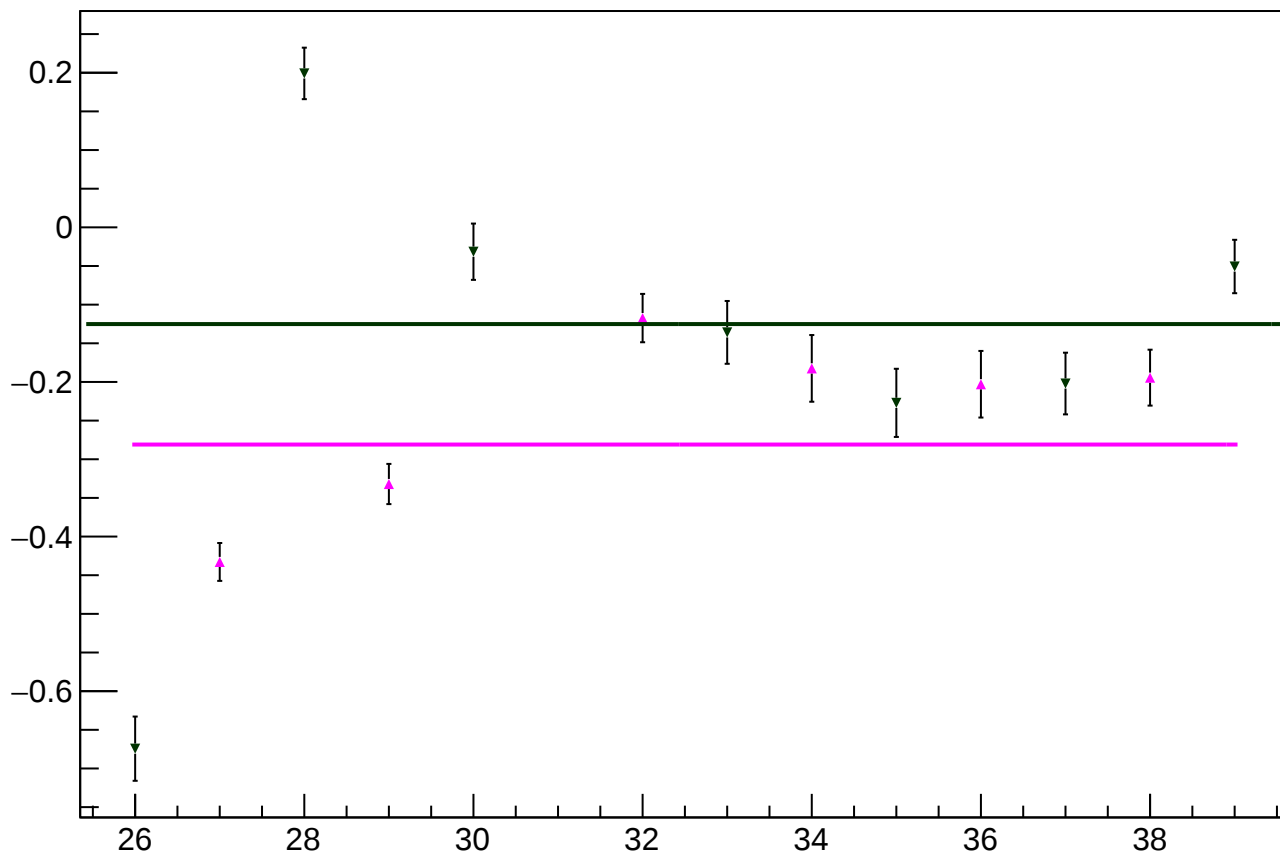
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.464+/-0.018  $\chi^2/\text{NDF}$ : 800.8/5

-0.519+/-0.020  $\chi^2/\text{NDF}$ : 312.2/6

-0.464+/-0.018  $\chi^2/\text{NDF}$ : 800.8/5

# reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.125+/-0.014  $\chi^2/\text{NDF}$ : 290.0/6

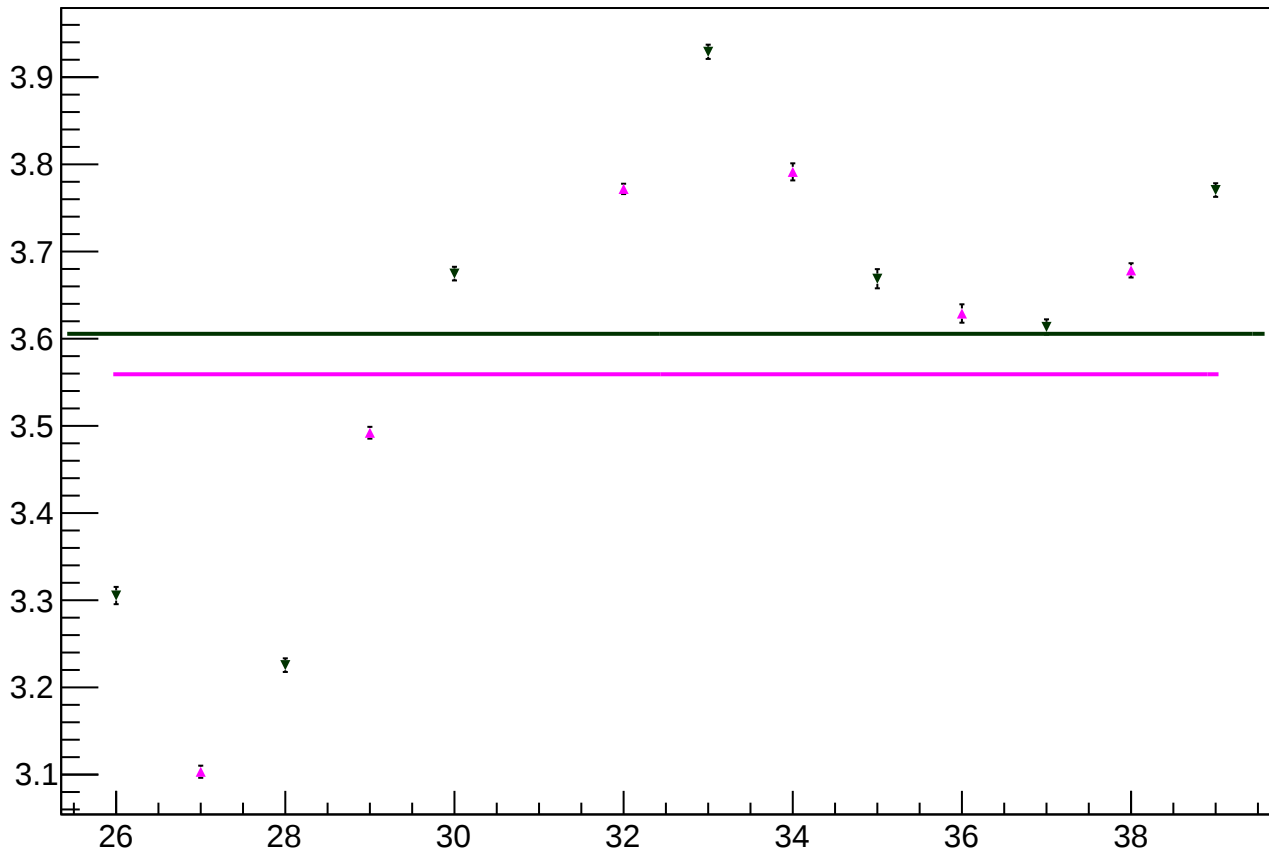
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.281+/-0.013  $\chi^2/\text{NDF}$ : 83.8/5

-0.125+/-0.014  $\chi^2/\text{NDF}$ : 290.0/6

-0.281+/-0.013  $\chi^2/\text{NDF}$ : 83.8/5

# reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs slug

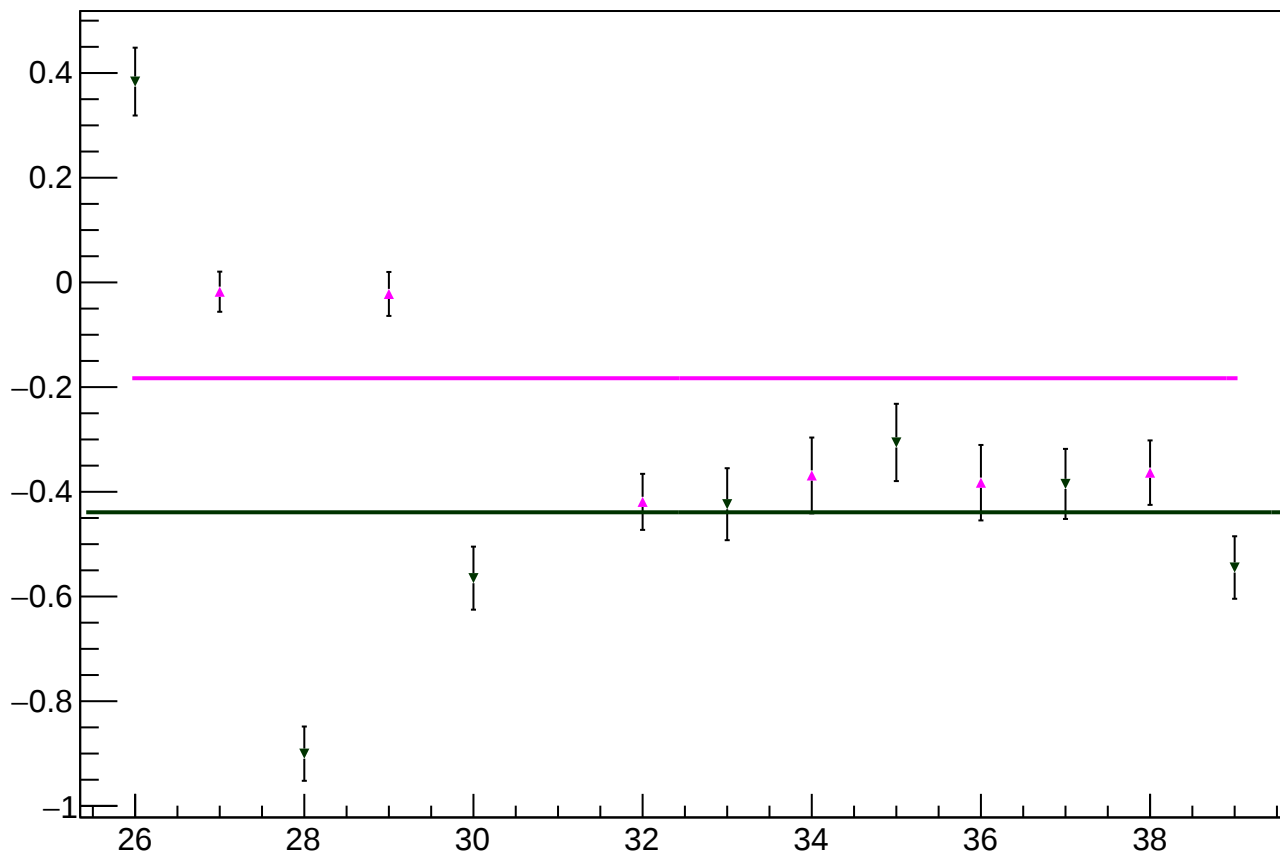


Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left Out: 3.606+/-0.003  $\chi^2/\text{NDF}$ : 5397.6/6  
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Left In: 3.559+/-0.003  $\chi^2/\text{NDF}$ : 6485.6/5

3.606+/-0.003  $\chi^2/\text{NDF}$ : 5397.6/6

3.559+/-0.003  $\chi^2/\text{NDF}$ : 6485.6/5

# reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.439+/-0.024  $\chi^2/\text{NDF}$ : 251.8/6

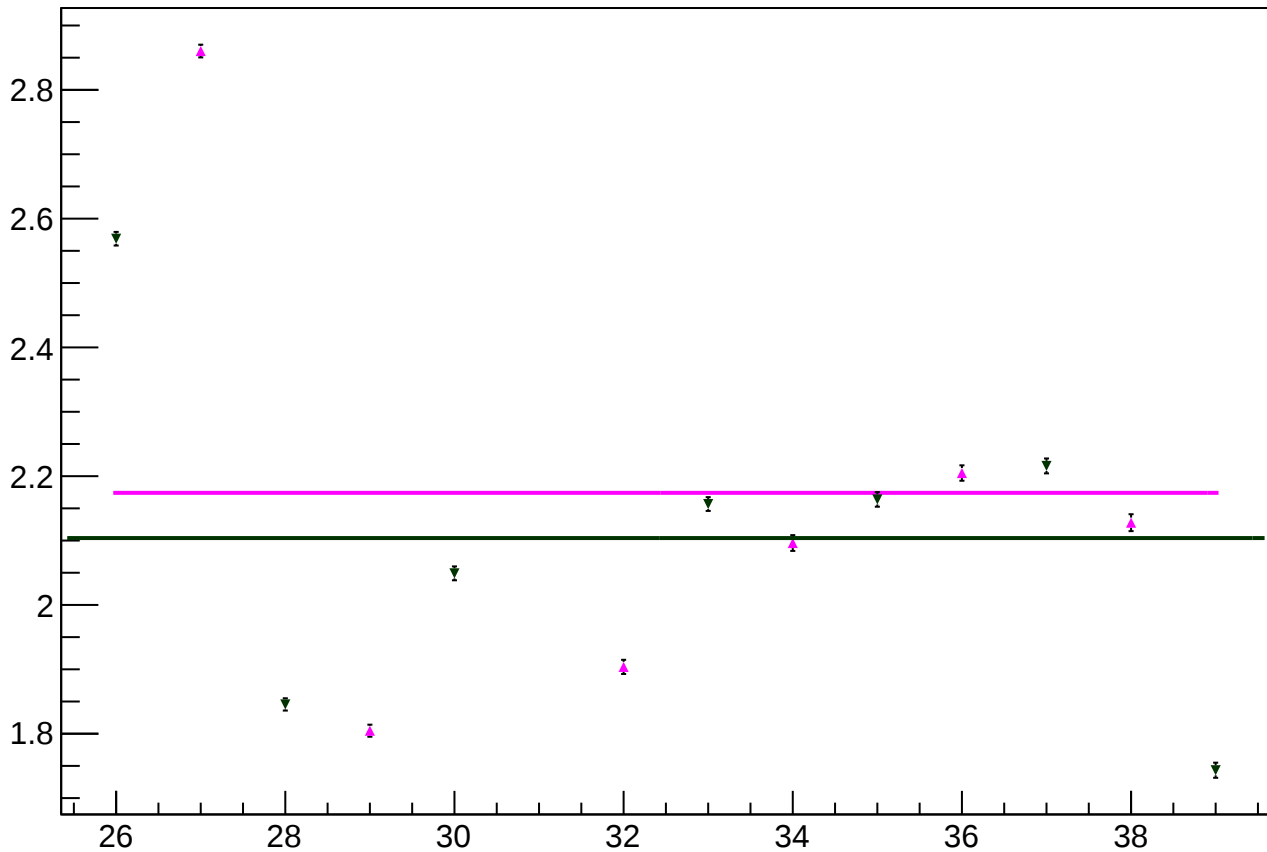
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.183+/-0.021  $\chi^2/\text{NDF}$ : 75.6/5

-0.439+/-0.024  $\chi^2/\text{NDF}$ : 251.8/6

-0.183+/-0.021  $\chi^2/\text{NDF}$ : 75.6/5

# reg\_asym\_right\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2.104+/-0.004  $\chi^2/\text{NDF}$ : 3770.3/6

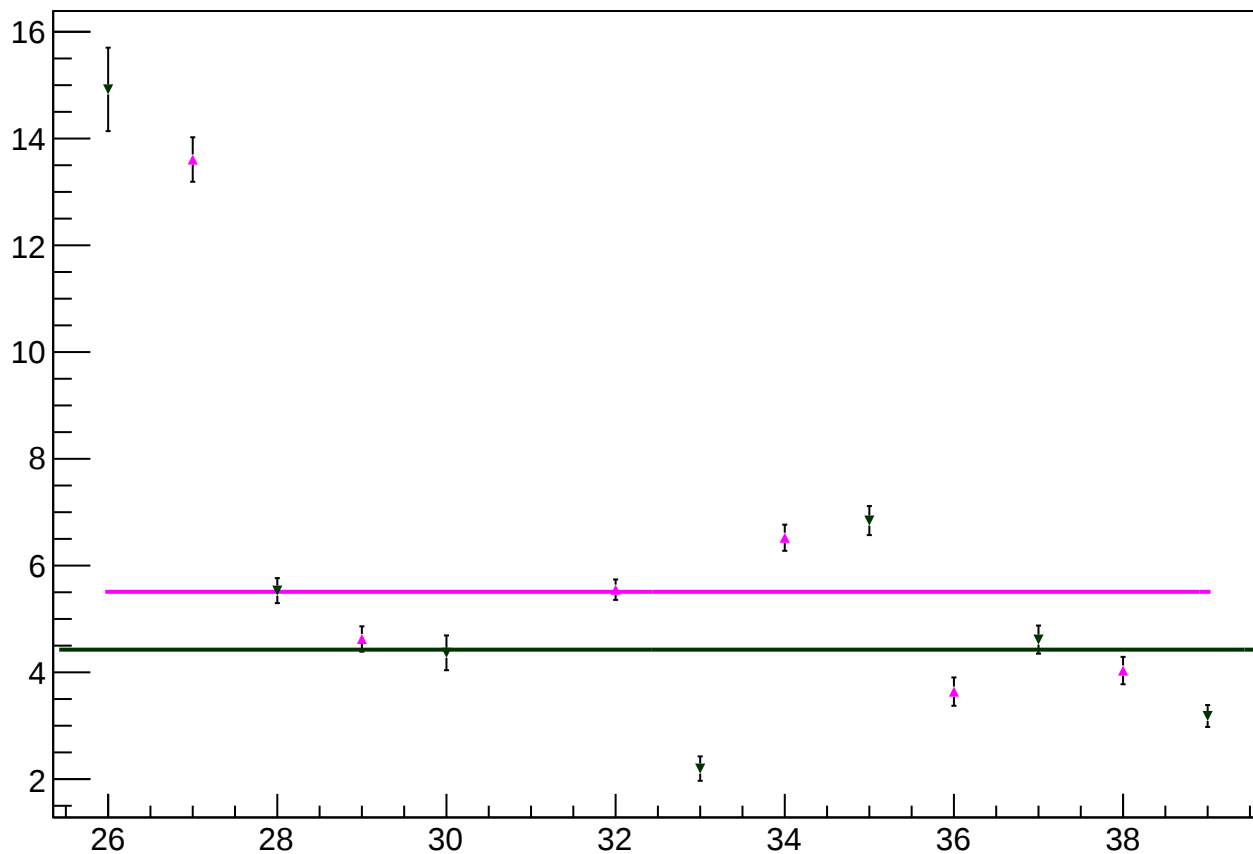
2.104+/-0.004  $\chi^2/\text{NDF}$ : 3770.3/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2.174+/-0.005  $\chi^2/\text{NDF}$ : 7029.7/5

Left In: 2.174+/-0.005  $\chi^2/\text{NDF}$ : 7029.7/5

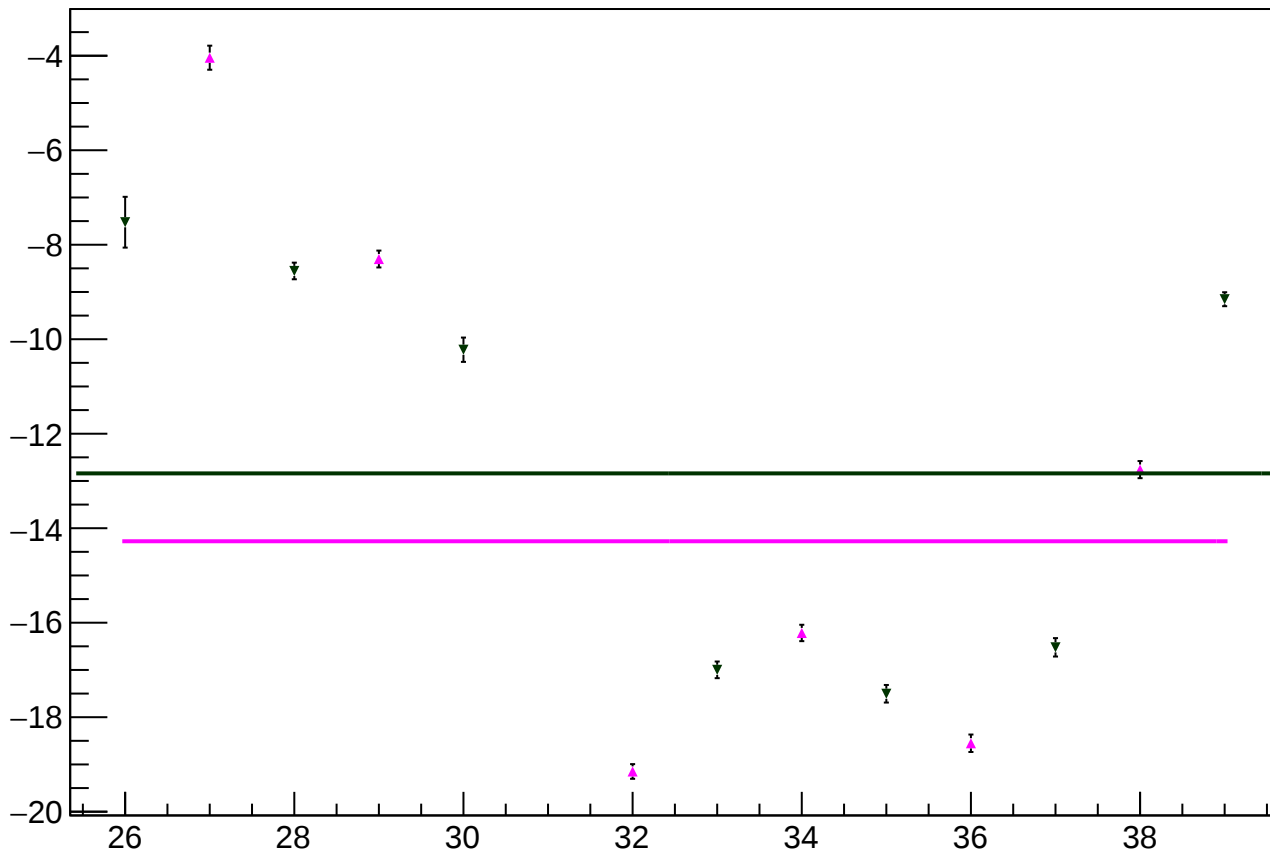
reg\_asym\_sam\_15\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 4.425+/-0.100  $\chi^2/\text{NDF}$ : 413.7/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 5.508+/-0.102  $\chi^2/\text{NDF}$ : 491.3/5

4.425+/-0.100  $\chi^2/\text{NDF}$ : 413.7/6  
 5.508+/-0.102  $\chi^2/\text{NDF}$ : 491.3/5

reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -12.840+/-0.074  $\chi^2/\text{NDF}$ : 2962.1/6

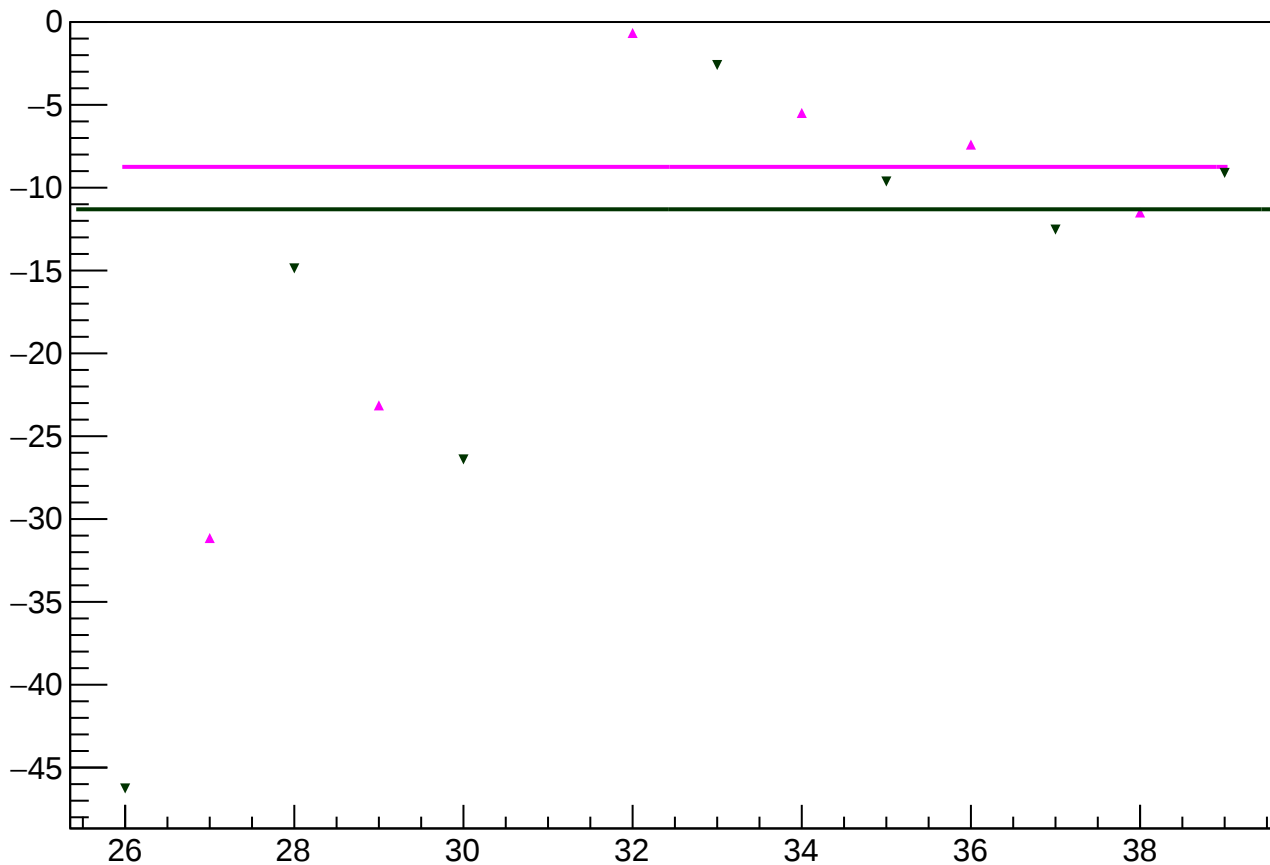
-12.840+/-0.074  $\chi^2/\text{NDF}$ : 2962.1/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-14.276+/-0.074  $\chi^2/\text{NDF}$ : 4451.5/5

Left In: -14.276+/-0.074  $\chi^2/\text{NDF}$ : 4451.5/5

reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -11.304+/-0.016  $\chi^2/\text{NDF}$ : 222164.2/6

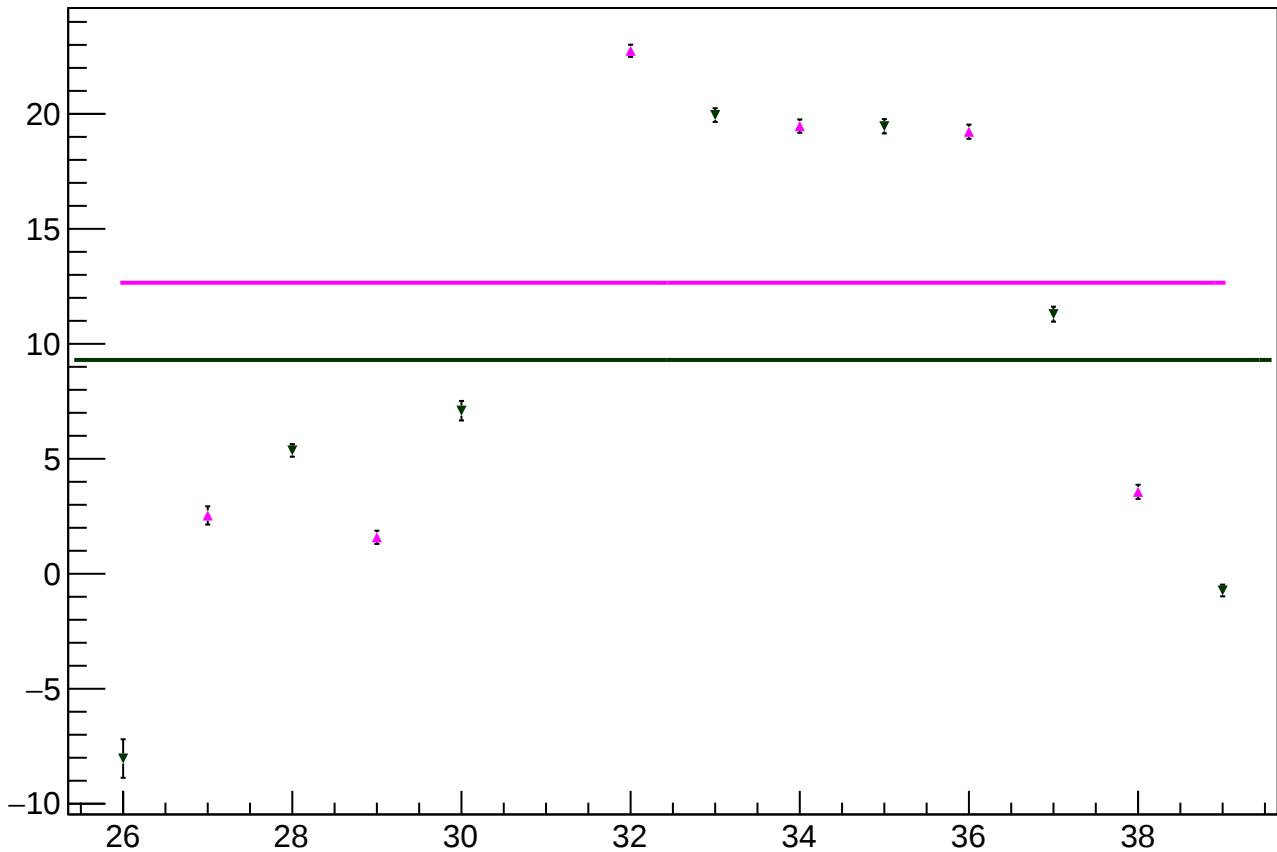
-11.304+/-0.016  $\chi^2/\text{NDF}$ : 222164.2/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-8.743+/-0.017  $\chi^2/\text{NDF}$ : 278767.3/5

Left In: -8.743+/-0.017  $\chi^2/\text{NDF}$ : 278767.3/5

reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 9.300+/-0.123  $\chi^2/\text{NDF}$ : 4583.0/6

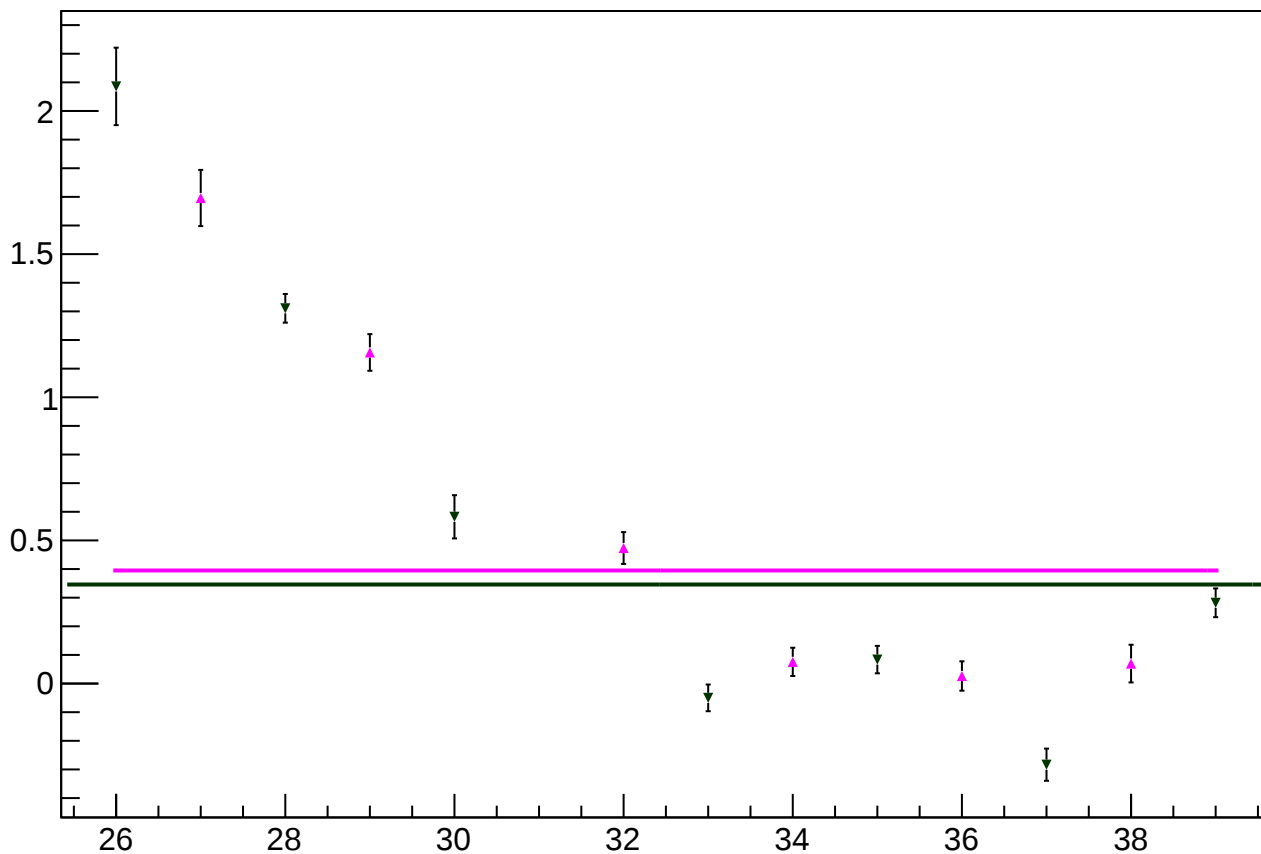
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 12.657+/-0.124  $\chi^2/\text{NDF}$ : 5433.4/5

9.300+/-0.123  $\chi^2/\text{NDF}$ : 4583.0/6

12.657+/-0.124  $\chi^2/\text{NDF}$ : 5433.4/5

reg\_asym\_sam\_15\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.346 $\pm$ 0.021  $\chi^2$ /NDF: 774.7/6

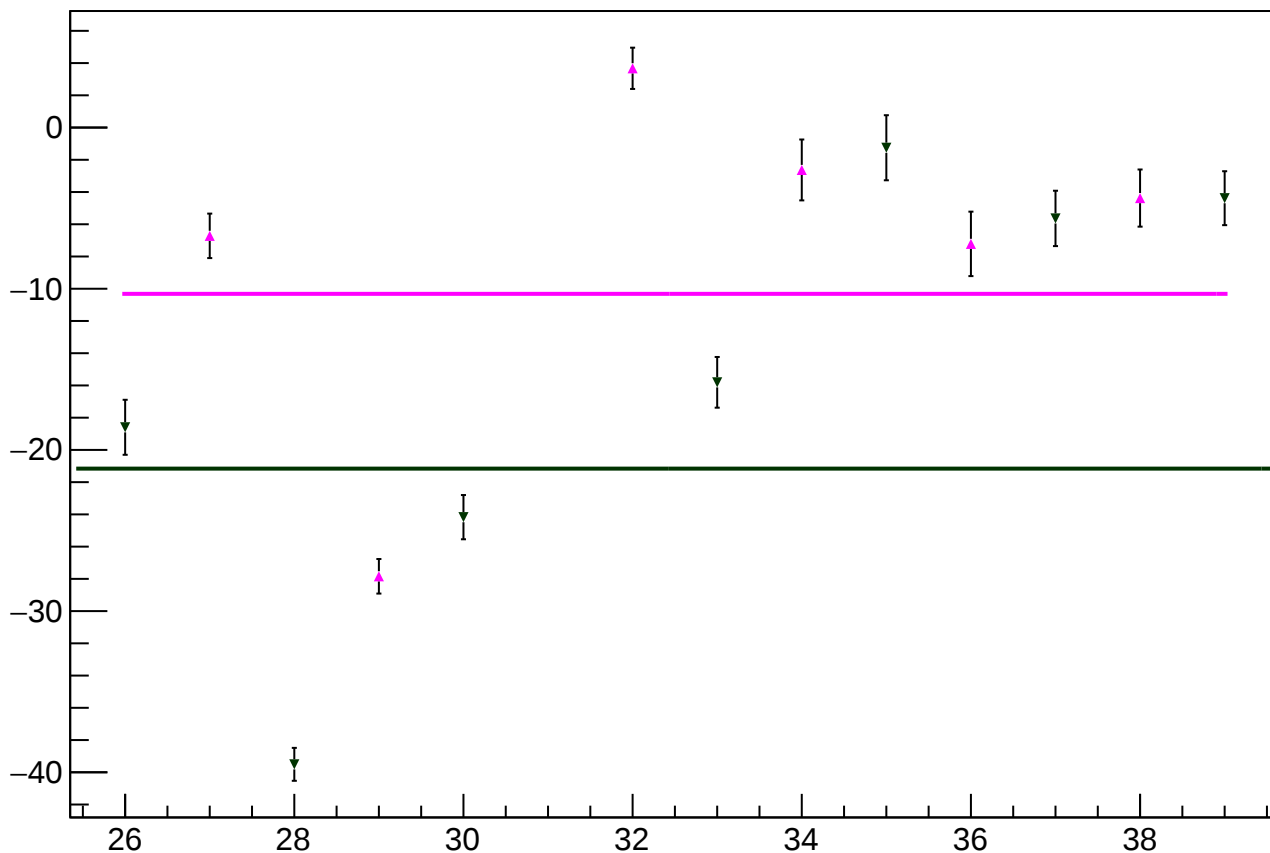
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.395 $\pm$ 0.024  $\chi^2$ /NDF: 437.1/5

0.346 $\pm$ 0.021  $\chi^2$ /NDF: 774.7/6

0.395 $\pm$ 0.024  $\chi^2$ /NDF: 437.1/5

reg\_asym\_sam\_15\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -21.160+/-0.561  $\chi^2/\text{NDF}$ : 620.9/6

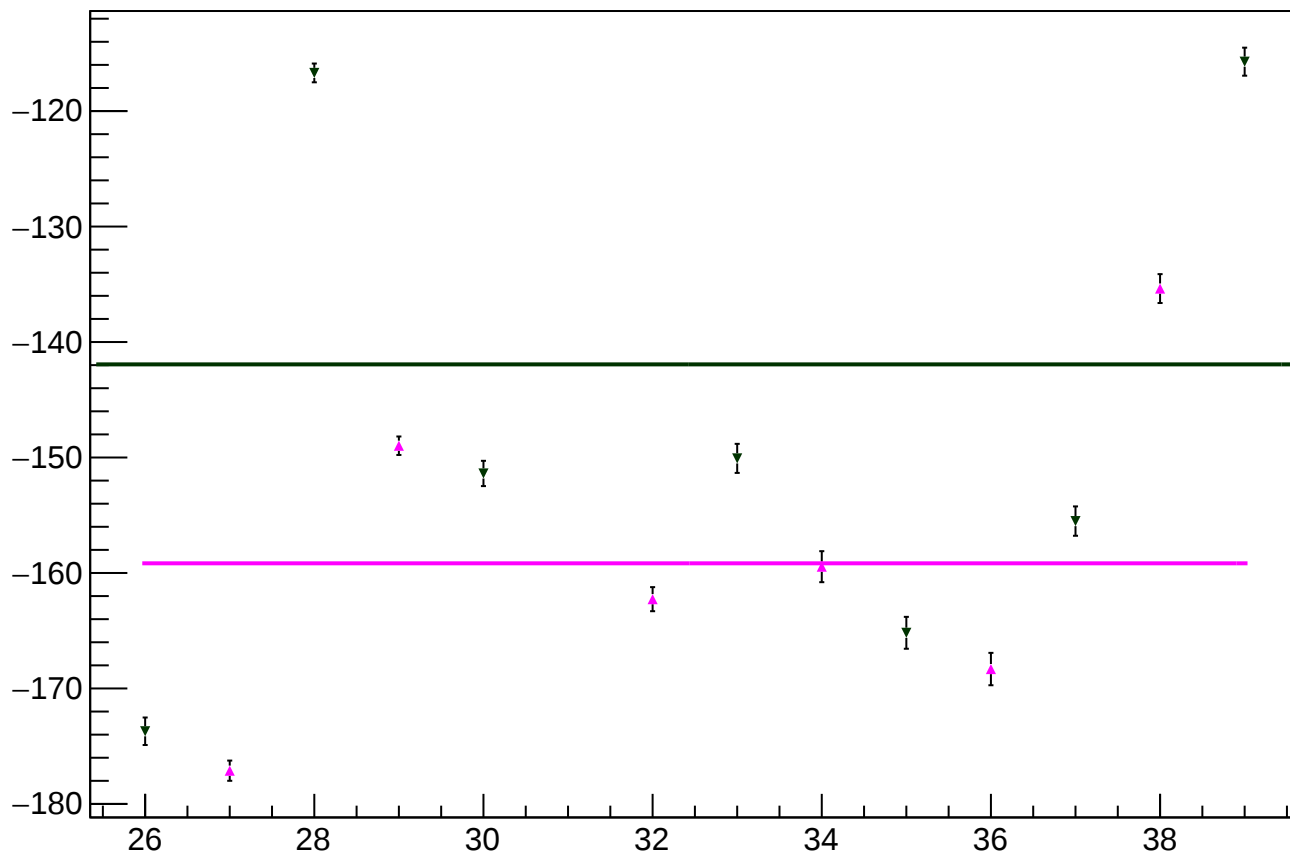
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -10.317+/-0.592  $\chi^2/\text{NDF}$ : 423.6/5

-21.160+/-0.561  $\chi^2/\text{NDF}$ : 620.9/6

-10.317+/-0.592  $\chi^2/\text{NDF}$ : 423.6/5

# reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -141.935+/-0.426  $\chi^2/\text{NDF}$ : 2656.4/6

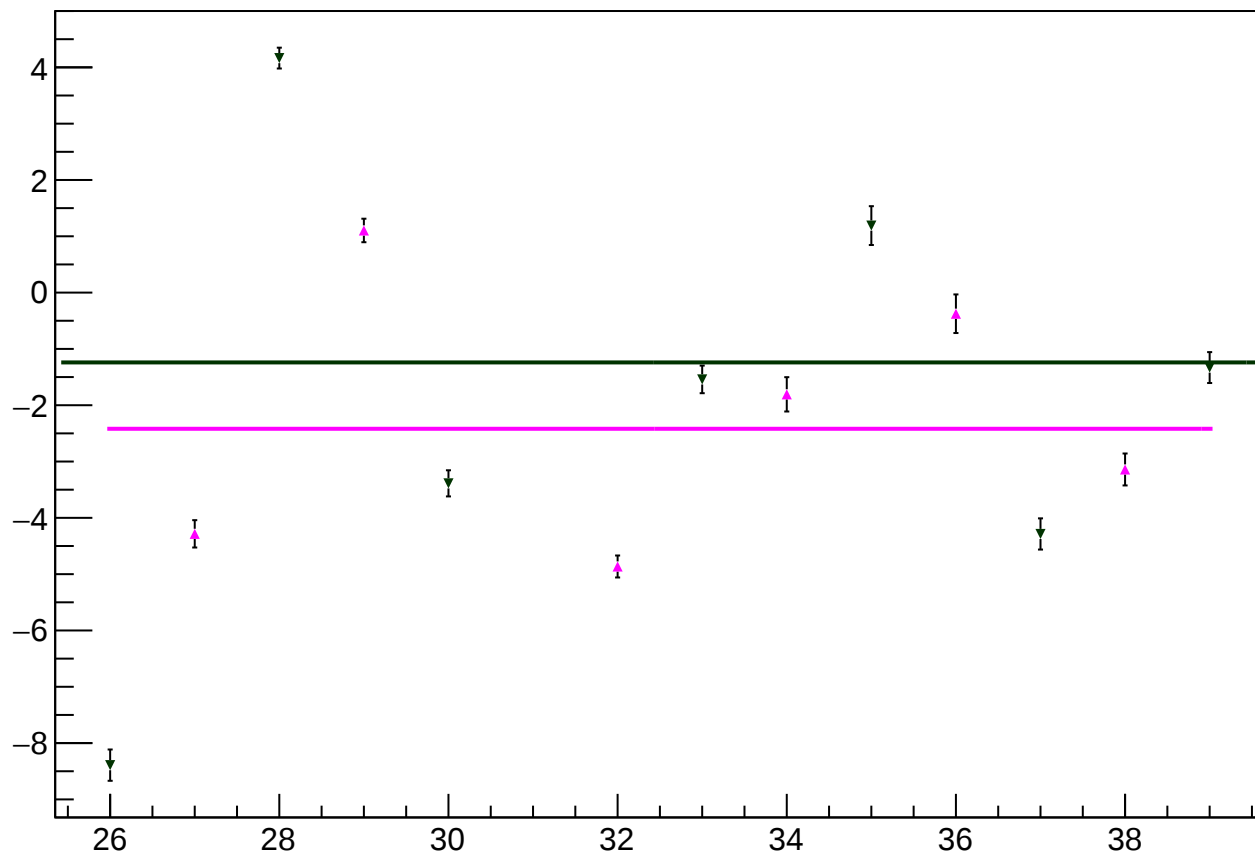
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -159.163+/-0.427  $\chi^2/\text{NDF}$ : 996.2/5

-141.935+/-0.426  $\chi^2/\text{NDF}$ : 2656.4/6

-159.163+/-0.427  $\chi^2/\text{NDF}$ : 996.2/5

# reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -1.240 $\pm$ 0.094  $\chi^2$ /NDF:1773.1/6

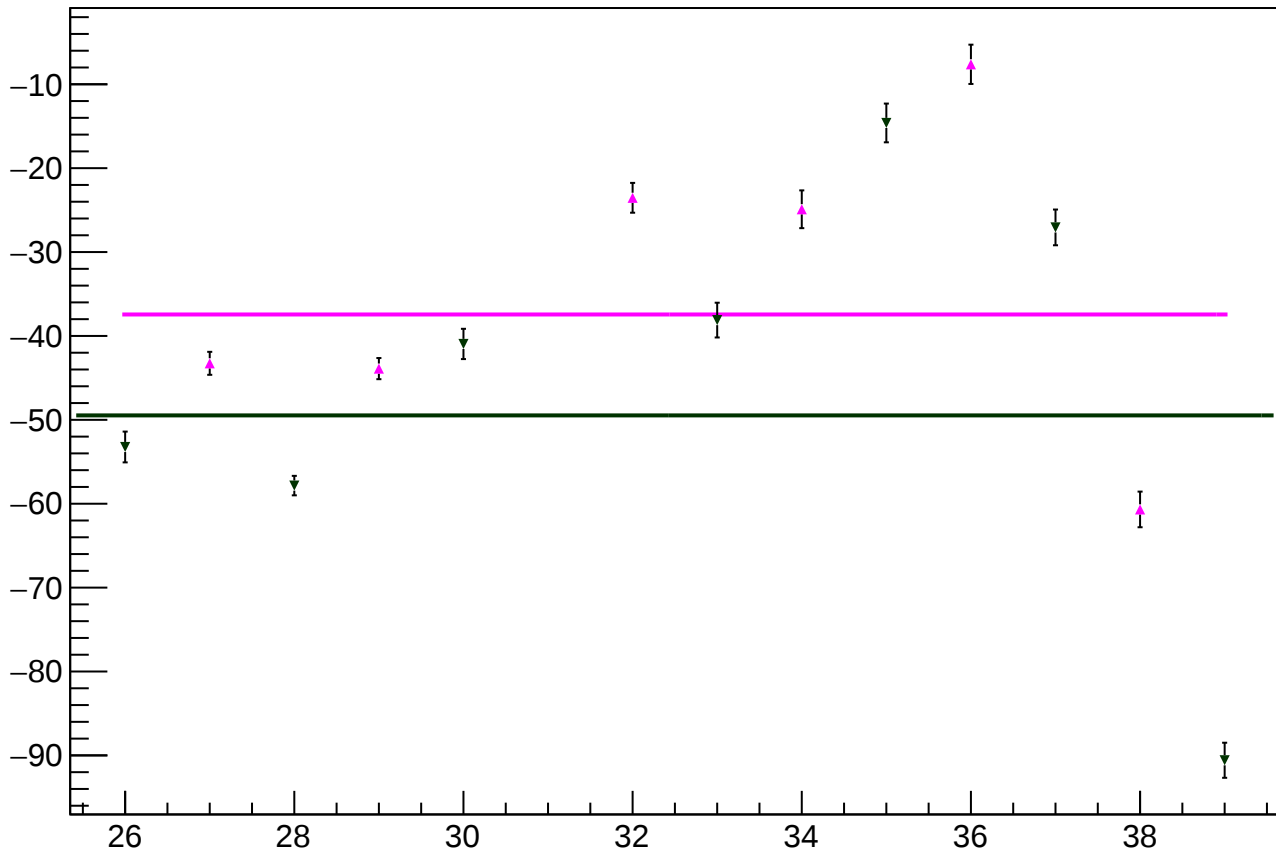
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -2.418 $\pm$ 0.101  $\chi^2$ /NDF:546.7/5

-1.240 $\pm$ 0.094  $\chi^2$ /NDF: 1773.1/6

-2.418 $\pm$ 0.101  $\chi^2$ /NDF: 546.7/5

reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -49.471+/-0.672  $\chi^2/\text{NDF}$ : 833.7/6

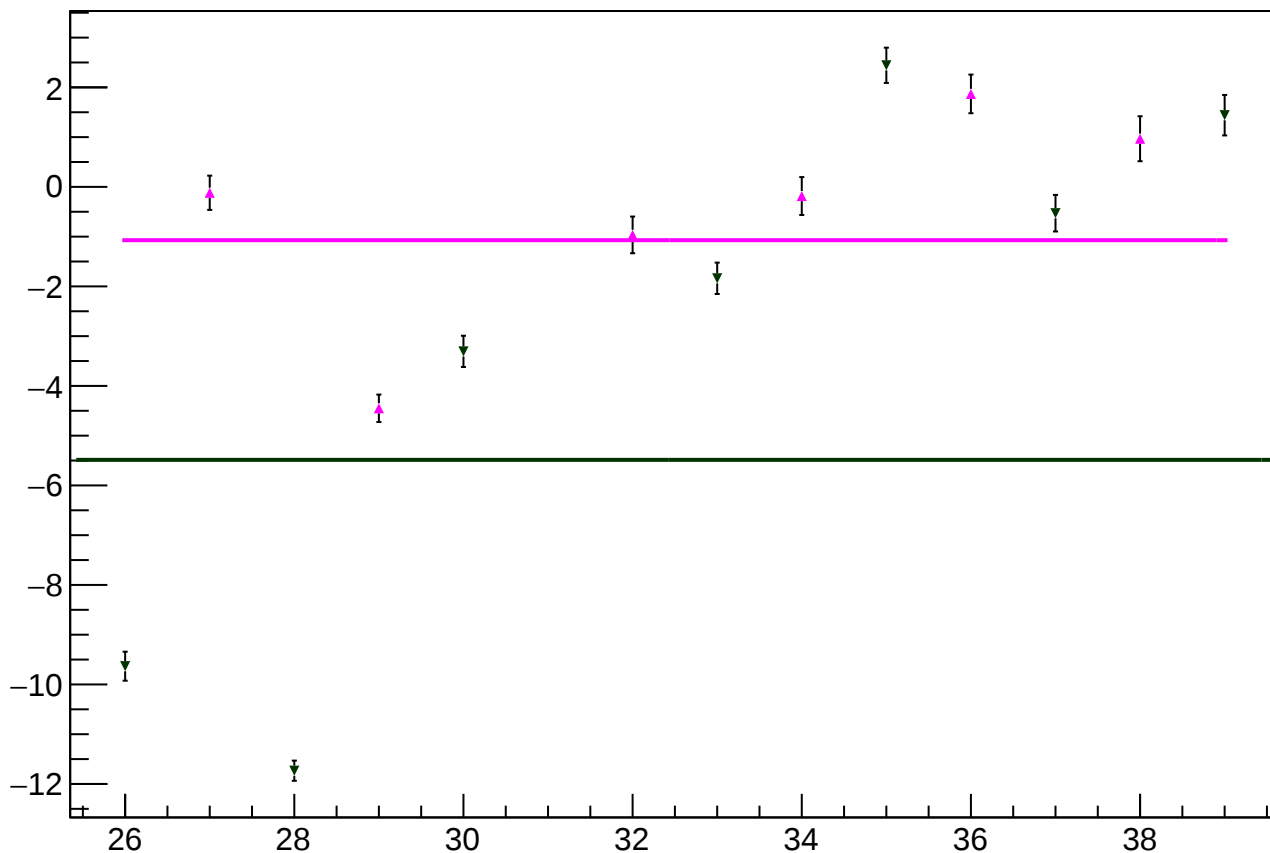
-49.471+/-0.672  $\chi^2/\text{NDF}$ : 833.7/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-37.441+/-0.693  $\chi^2/\text{NDF}$ : 418.5/5

Left In: -37.441+/-0.693  $\chi^2/\text{NDF}$ : 418.5/5

# reg\_asym\_sam\_15\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -5.486+/-0.113  $\chi^2/\text{NDF}$ : 2305.1/6

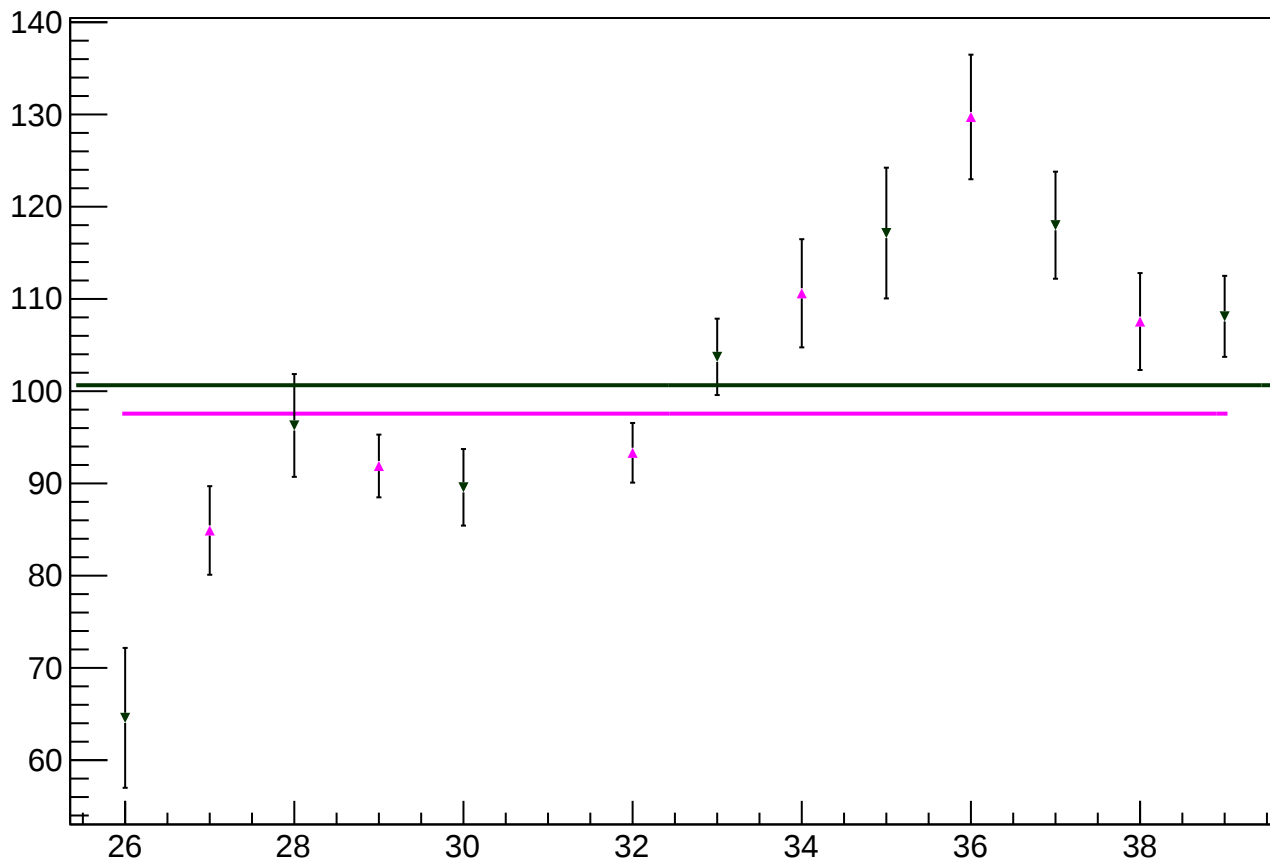
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1.072+/-0.145  $\chi^2/\text{NDF}$ : 240.9/5

-5.486+/-0.113  $\chi^2/\text{NDF}$ : 2305.1/6

-1.072+/-0.145  $\chi^2/\text{NDF}$ : 240.9/5

reg\_asym\_sam\_37\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 100.647 $\pm$ 1.934  $\chi^2$ /NDF: 48.1/6

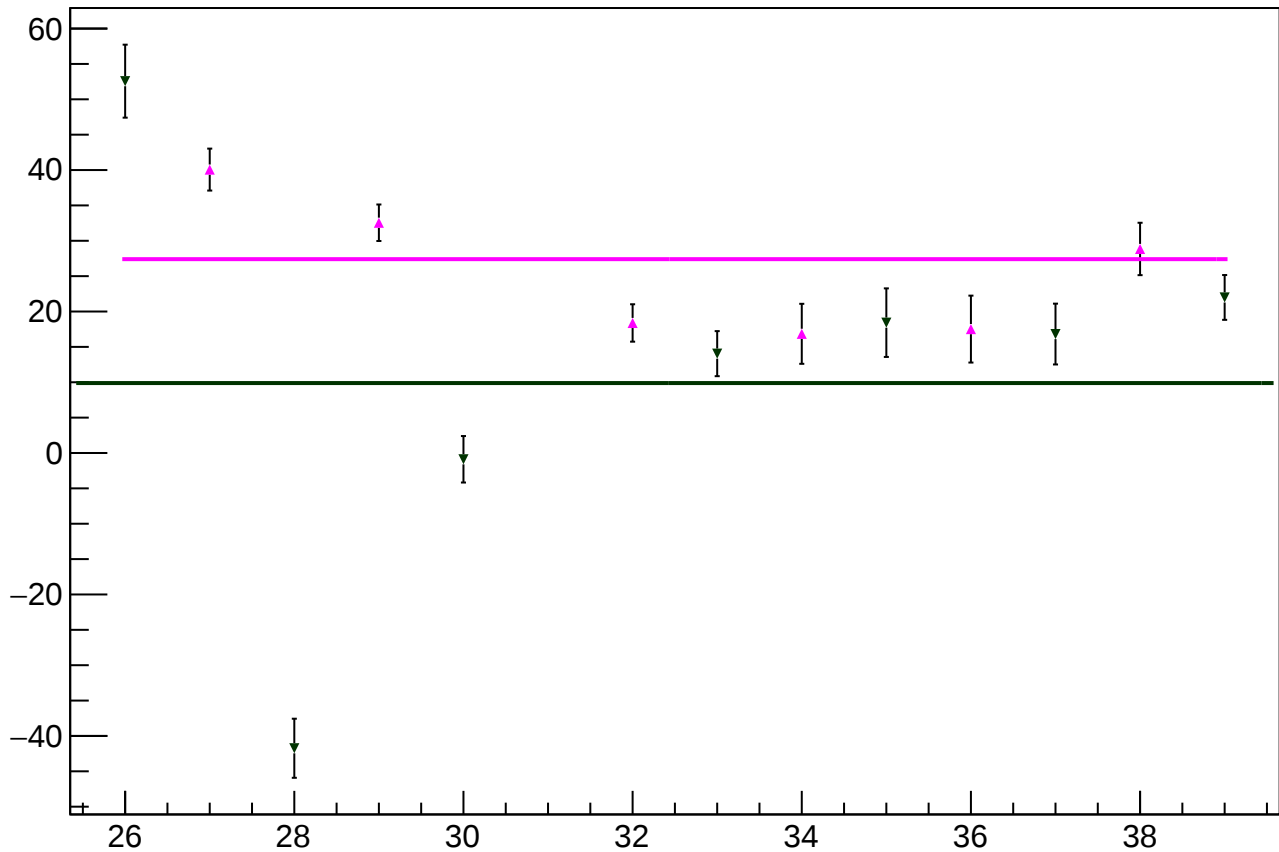
100.647 $\pm$ 1.934  $\chi^2$ /NDF: 48.1/6

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 97.566 $\pm$ 1.788  $\chi^2$ /NDF: 42.7/5

97.566 $\pm$ 1.788  $\chi^2$ /NDF: 42.7/5

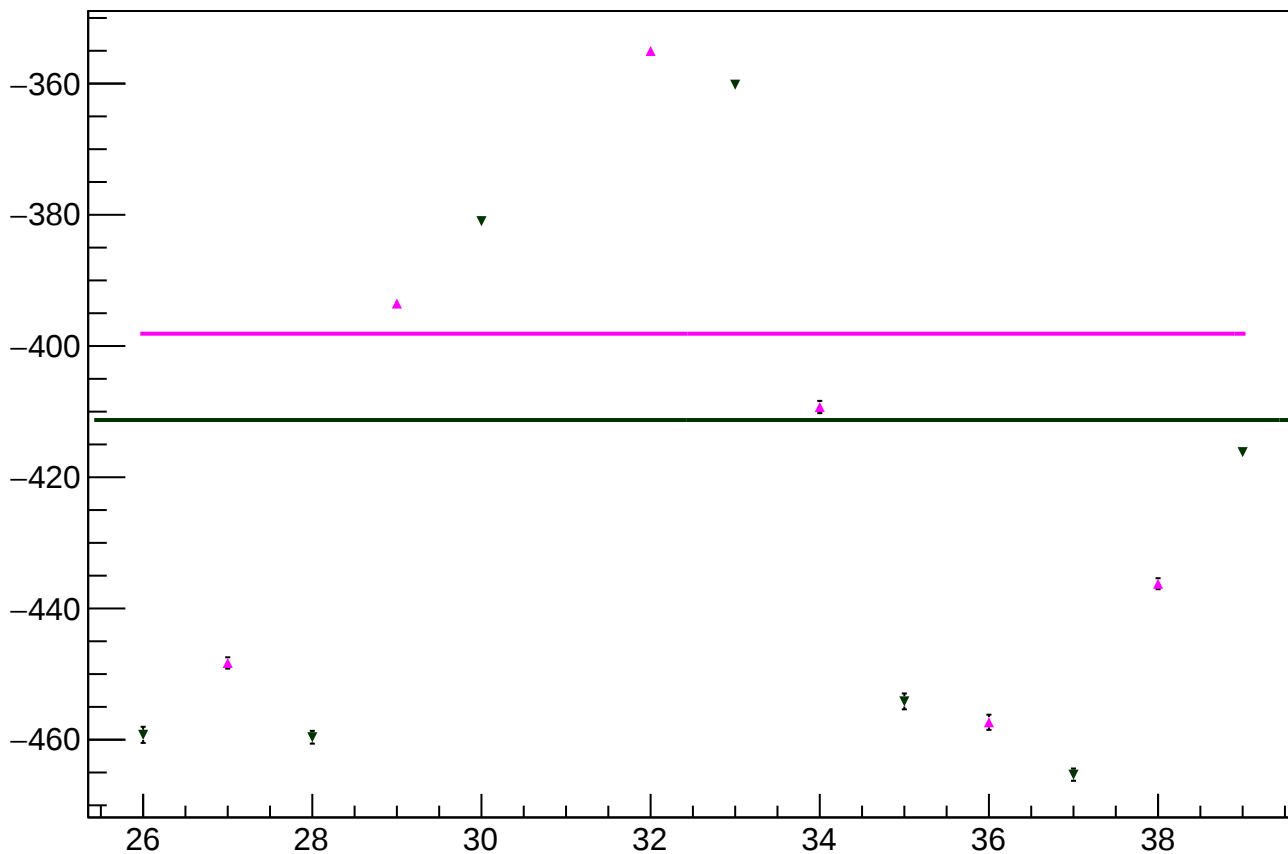
reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 9.887+/-1.440  $\chi^2/\text{NDF}$ :254.0/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 27.403+/-1.313  $\chi^2/\text{NDF}$ :44.6/5

9.887+/-1.440  $\chi^2/\text{NDF}$ : 254.0/6  
 27.403+/-1.313  $\chi^2/\text{NDF}$ : 44.6/5

reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -411.278+/-0.319  $\chi^2/\text{NDF}$ : 16751.6/6

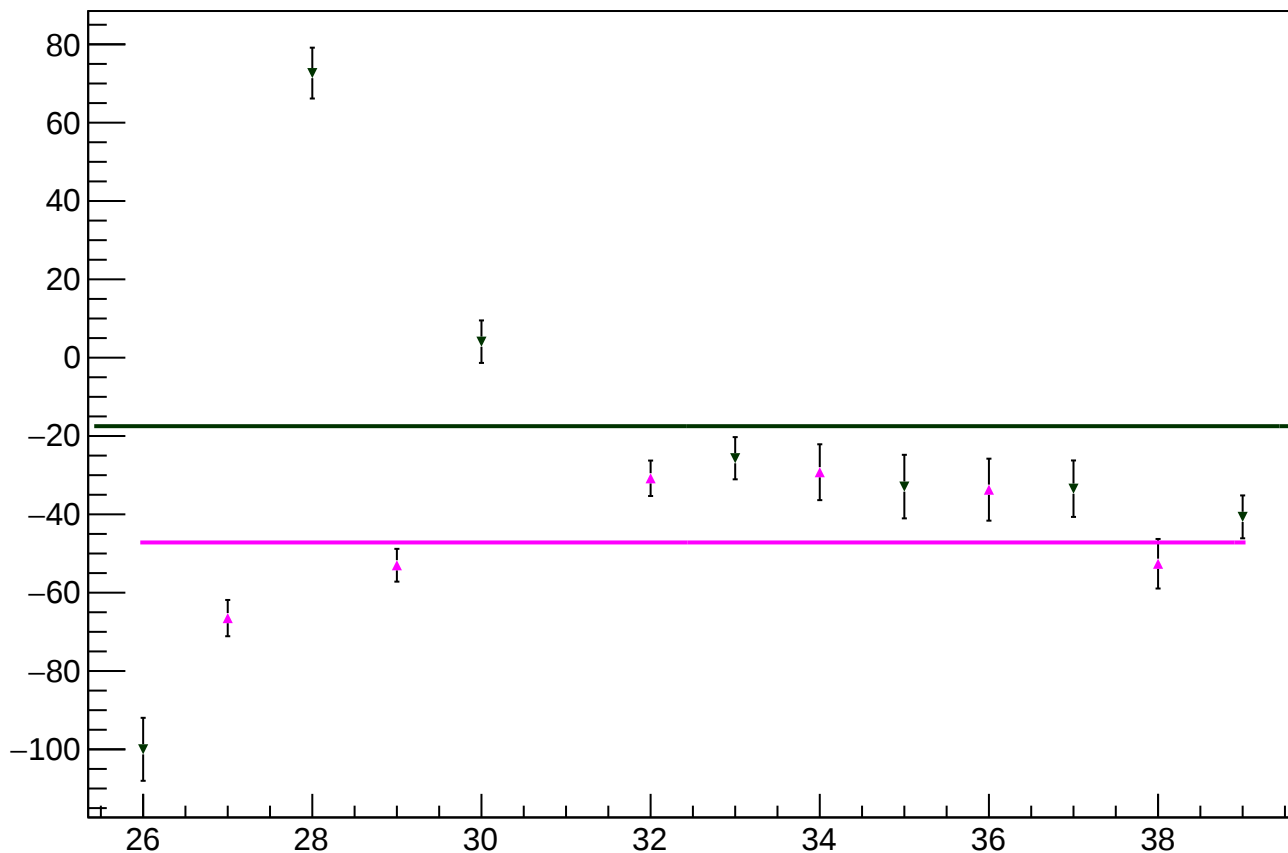
-411.278+/-0.319  $\chi^2/\text{NDF}$ : 16751.6/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-398.121+/-0.303  $\chi^2/\text{NDF}$ : 15600.0/5

Left In: -398.121+/-0.303  $\chi^2/\text{NDF}$ : 15600.0/5

# reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -17.490+/-2.388  $\chi^2/\text{NDF}$ : 342.7/6

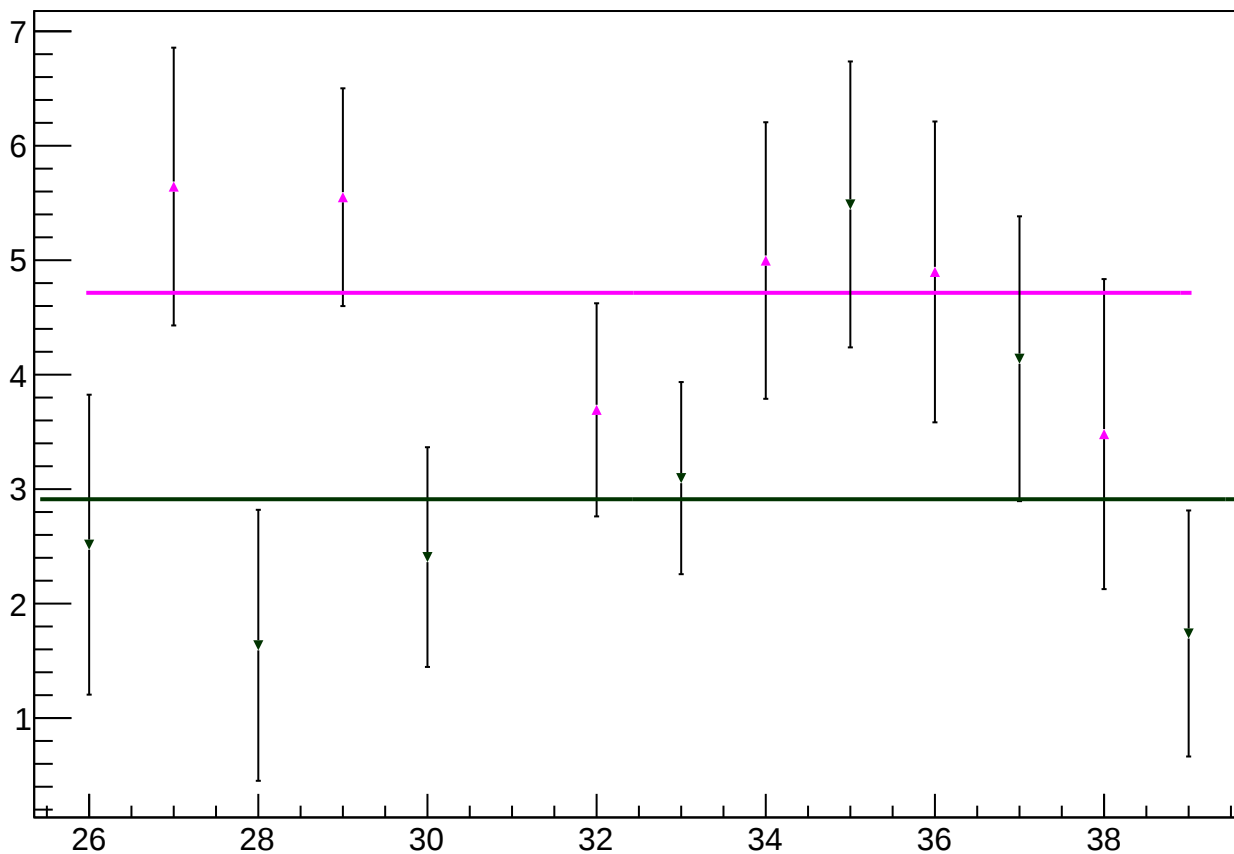
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -47.180+/-2.166  $\chi^2/\text{NDF}$ : 42.4/5

-17.490+/-2.388  $\chi^2/\text{NDF}$ : 342.7/6

-47.180+/-2.166  $\chi^2/\text{NDF}$ : 42.4/5

reg\_asym\_sam\_37\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 2.912 $\pm$ 0.410  $\chi^2$ /NDF: 8.0/6

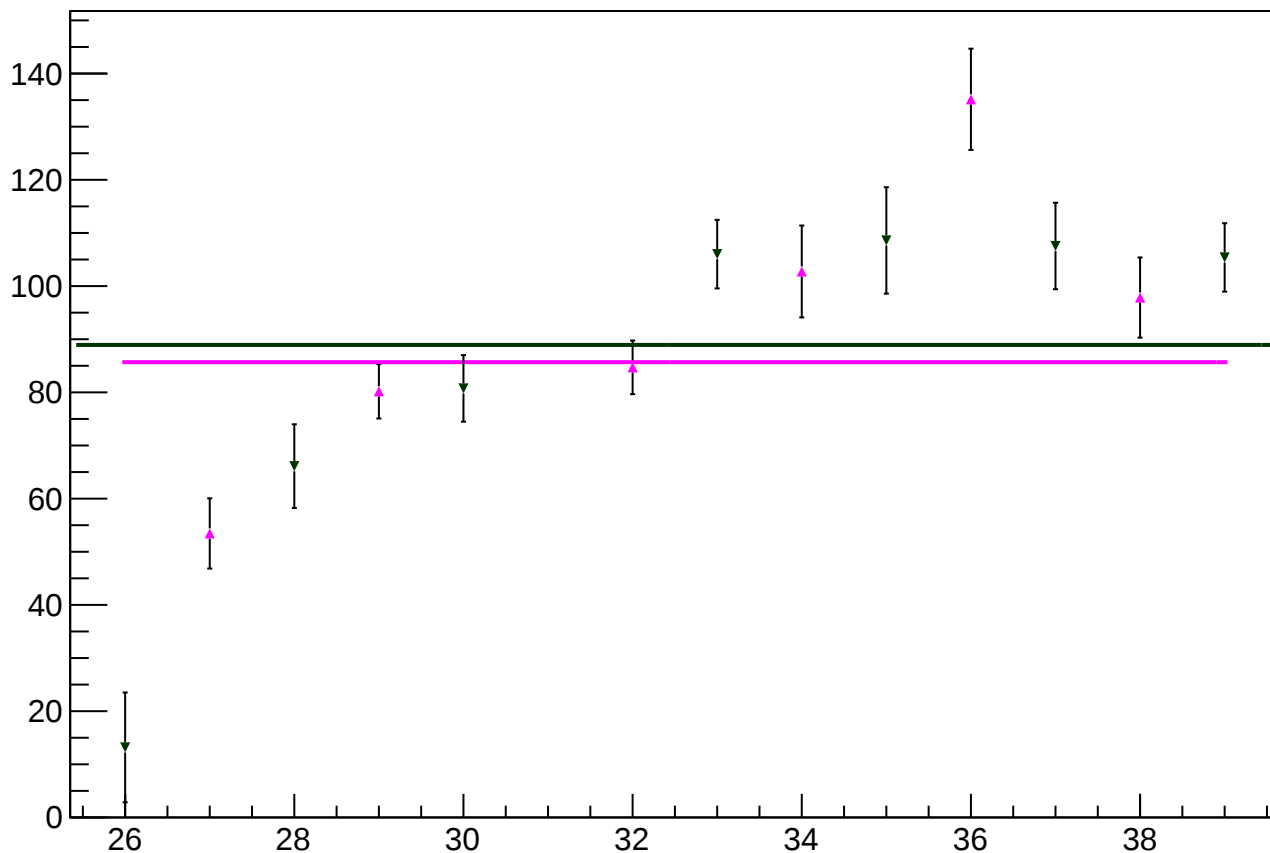
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 4.715 $\pm$ 0.459  $\chi^2$ /NDF: 3.5/5

2.912 $\pm$ 0.410  $\chi^2$ /NDF: 8.0/6

4.715 $\pm$ 0.459  $\chi^2$ /NDF: 3.5/5

reg\_asym\_sam\_37\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 88.930+/-2.837  $\chi^2/\text{NDF}$ :86.5/6

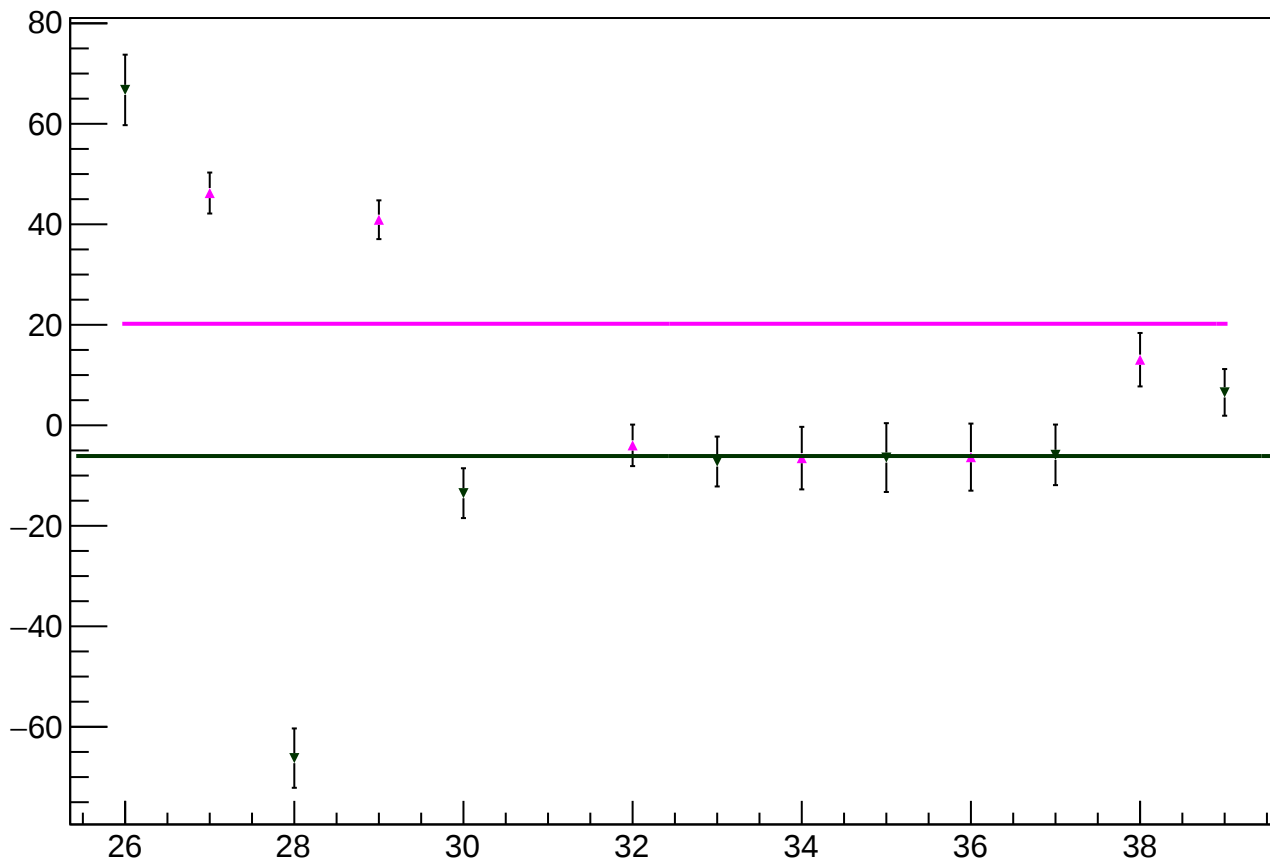
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 85.683+/-2.649  $\chi^2/\text{NDF}$ :58.4/5

88.930+/-2.837  $\chi^2/\text{NDF}$ : 86.5/6

85.683+/-2.649  $\chi^2/\text{NDF}$ : 58.4/5

reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -6.113+/-2.106  $\chi^2/\text{NDF}$ : 221.2/6

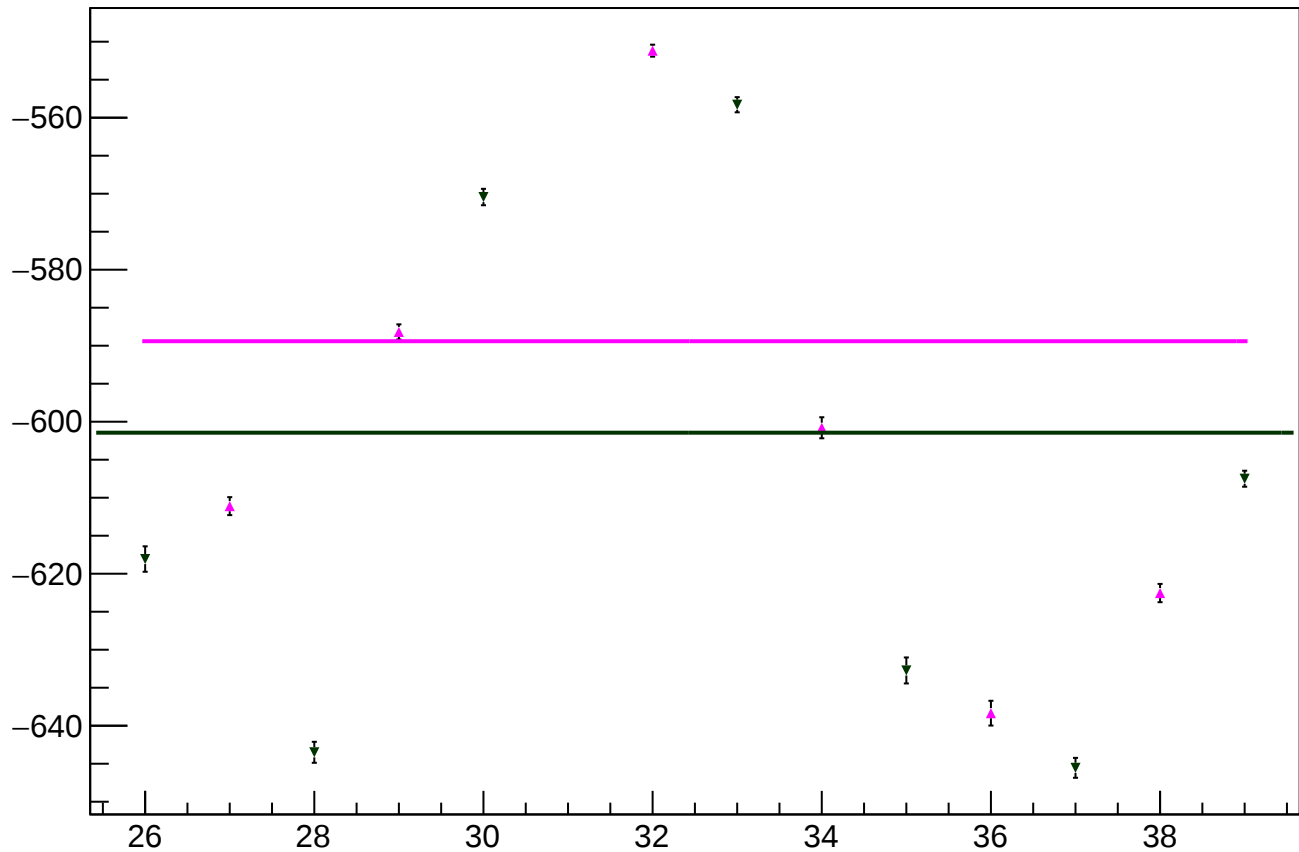
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 20.206+/-1.926  $\chi^2/\text{NDF}$ : 139.9/5

-6.113+/-2.106  $\chi^2/\text{NDF}$ : 221.2/6

20.206+/-1.926  $\chi^2/\text{NDF}$ : 139.9/5

# reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -601.444+/-0.468  $\chi^2/\text{NDF}$ : 5213.9/6

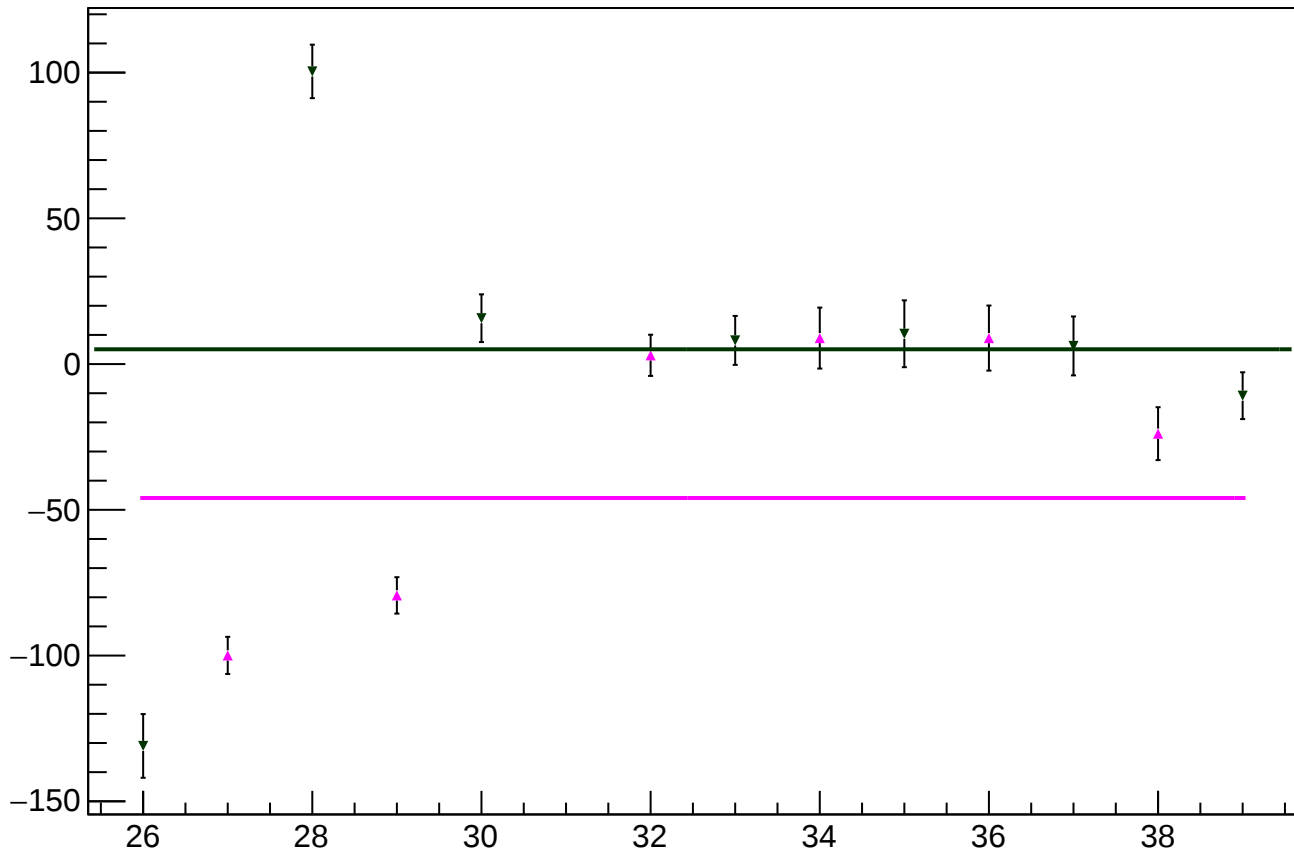
-601.444+/-0.468  $\chi^2/\text{NDF}$ : 5213.9/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-589.408+/-0.451  $\chi^2/\text{NDF}$ : 4424.2/5

Left In: -589.408+/-0.451  $\chi^2/\text{NDF}$ : 4424.2/5

reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 5.076+/-3.487  $\chi^2/\text{NDF}$ : 269.0/6

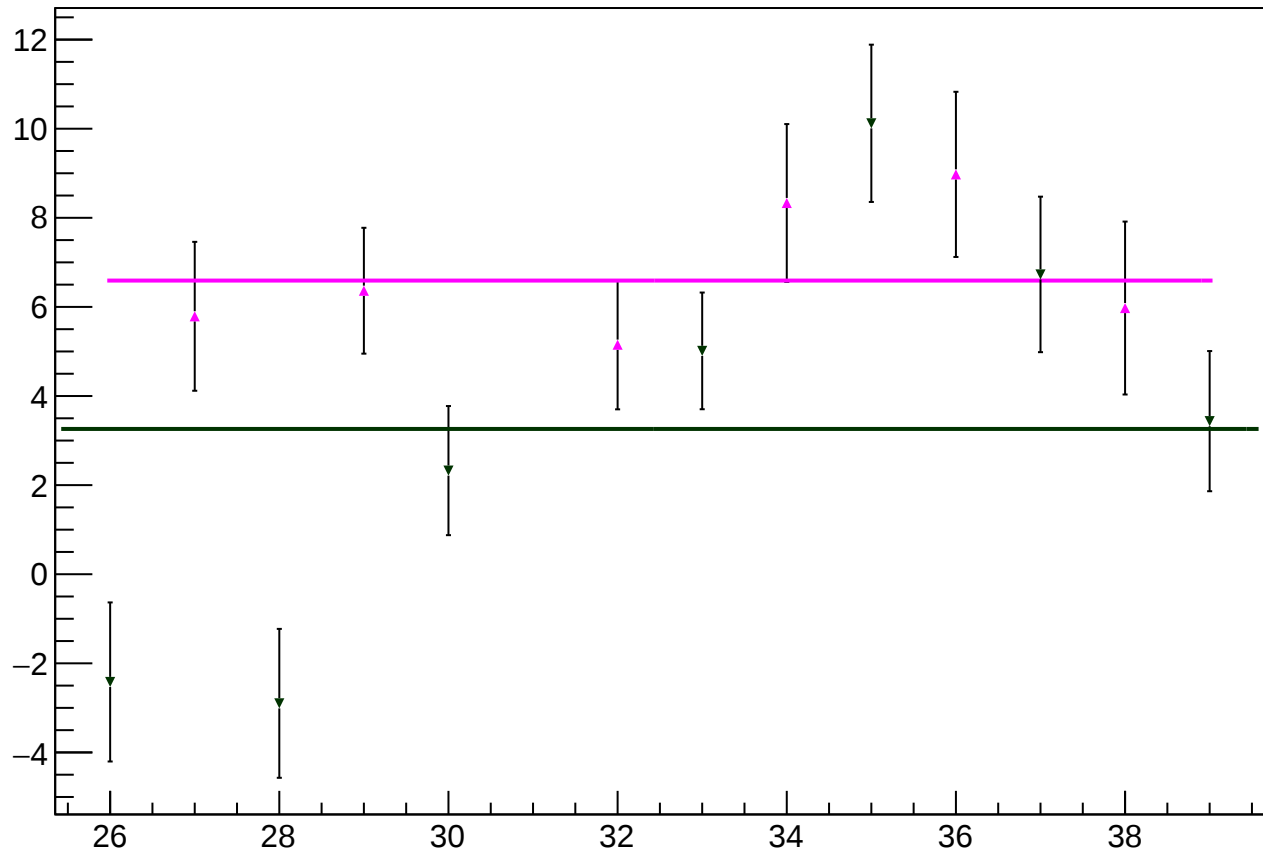
5.076+/-3.487  $\chi^2/\text{NDF}$ : 269.0/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -45.945+/-3.168  $\chi^2/\text{NDF}$ : 206.1/5

-45.945+/-3.168  $\chi^2/\text{NDF}$ : 206.1/5

reg\_asym\_sam\_37\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 3.261+/-0.599  $\chi^2/\text{NDF}$ : 45.0/6

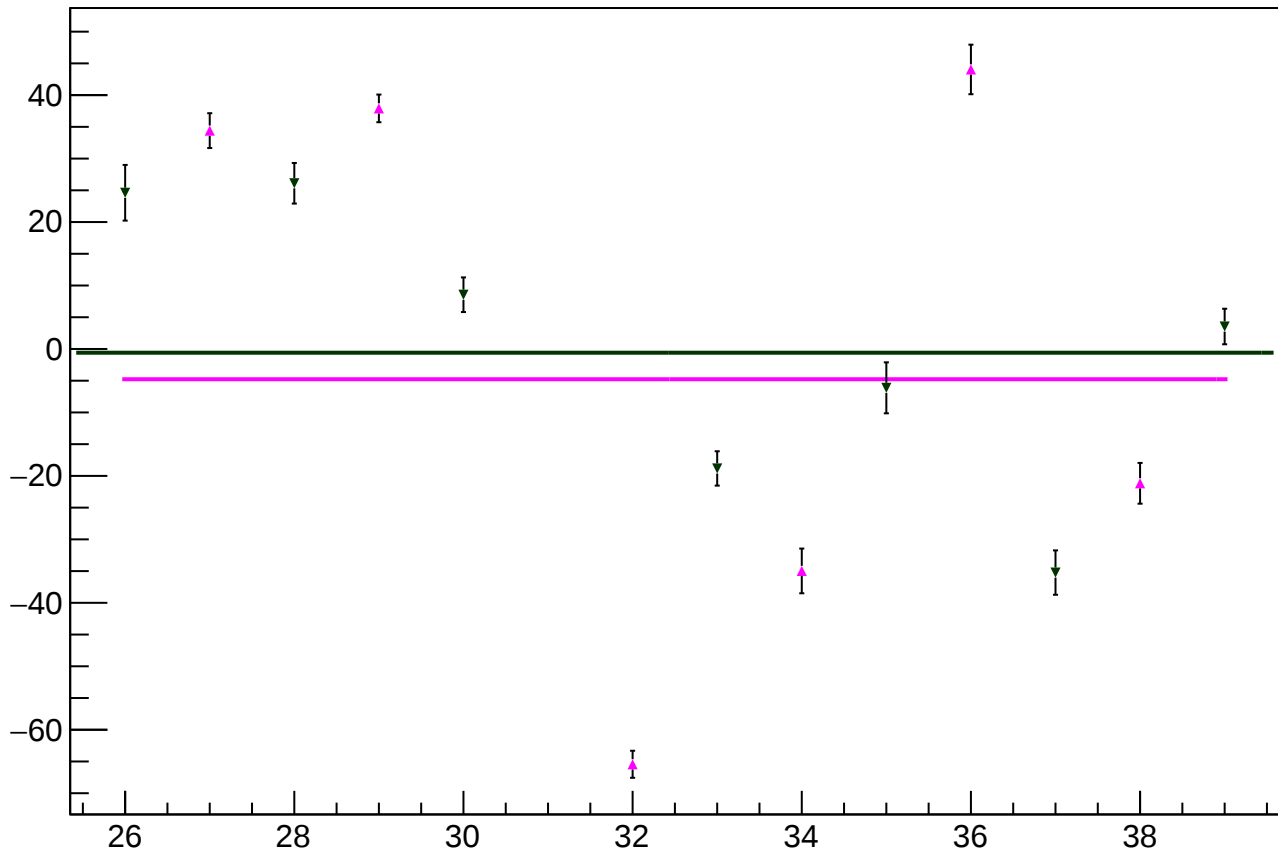
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 6.591+/-0.673  $\chi^2/\text{NDF}$ : 4.0/5

3.261+/-0.599  $\chi^2/\text{NDF}$ : 45.0/6

6.591+/-0.673  $\chi^2/\text{NDF}$ : 4.0/5

reg\_asym\_sam\_26\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.588+/-1.203  $\chi^2/\text{NDF}$ : 261.4/6

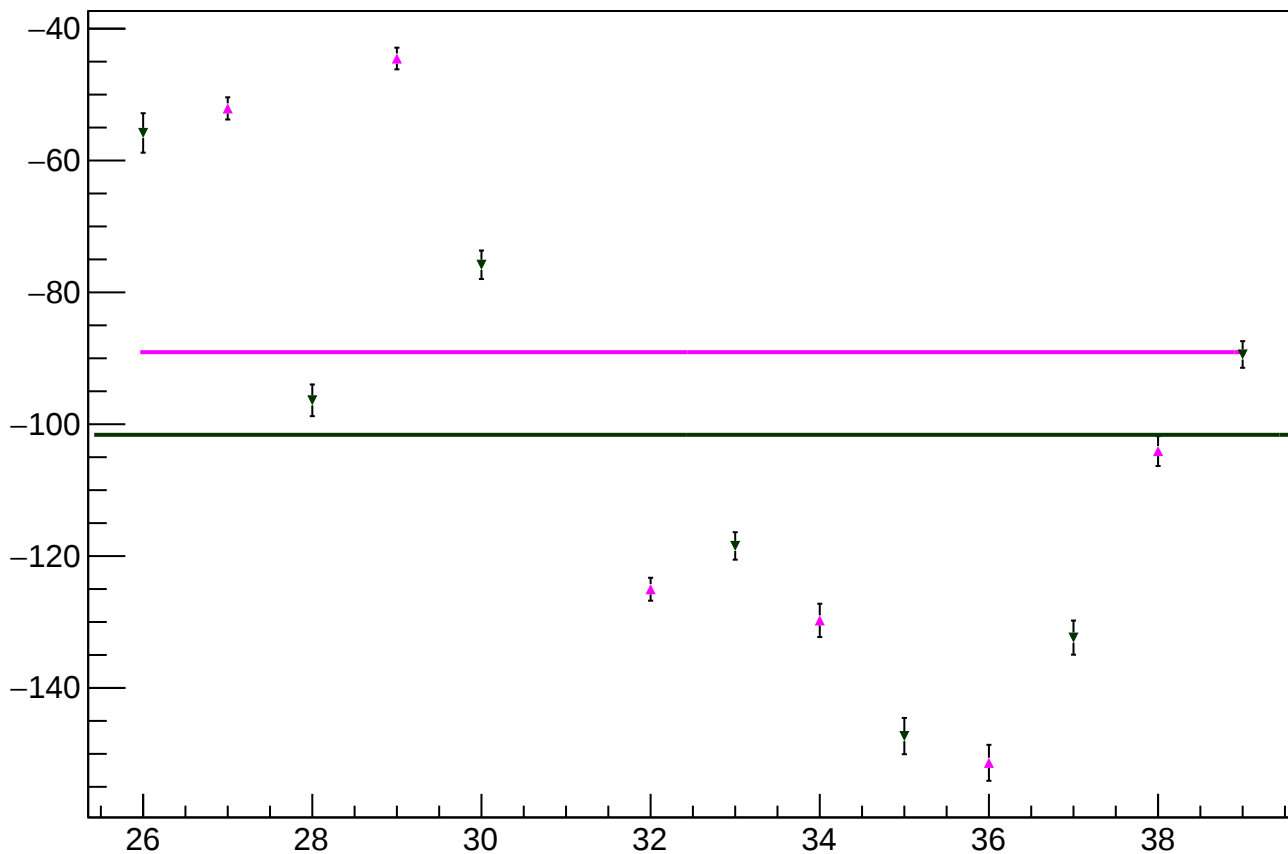
-0.588+/-1.203  $\chi^2/\text{NDF}$ : 261.4/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -4.768+/-1.113  $\chi^2/\text{NDF}$ : 1654.0/5

-4.768+/-1.113  $\chi^2/\text{NDF}$ : 1654.0/5

reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -101.605+/-0.893  $\chi^2/\text{NDF}$ : 900.6/6

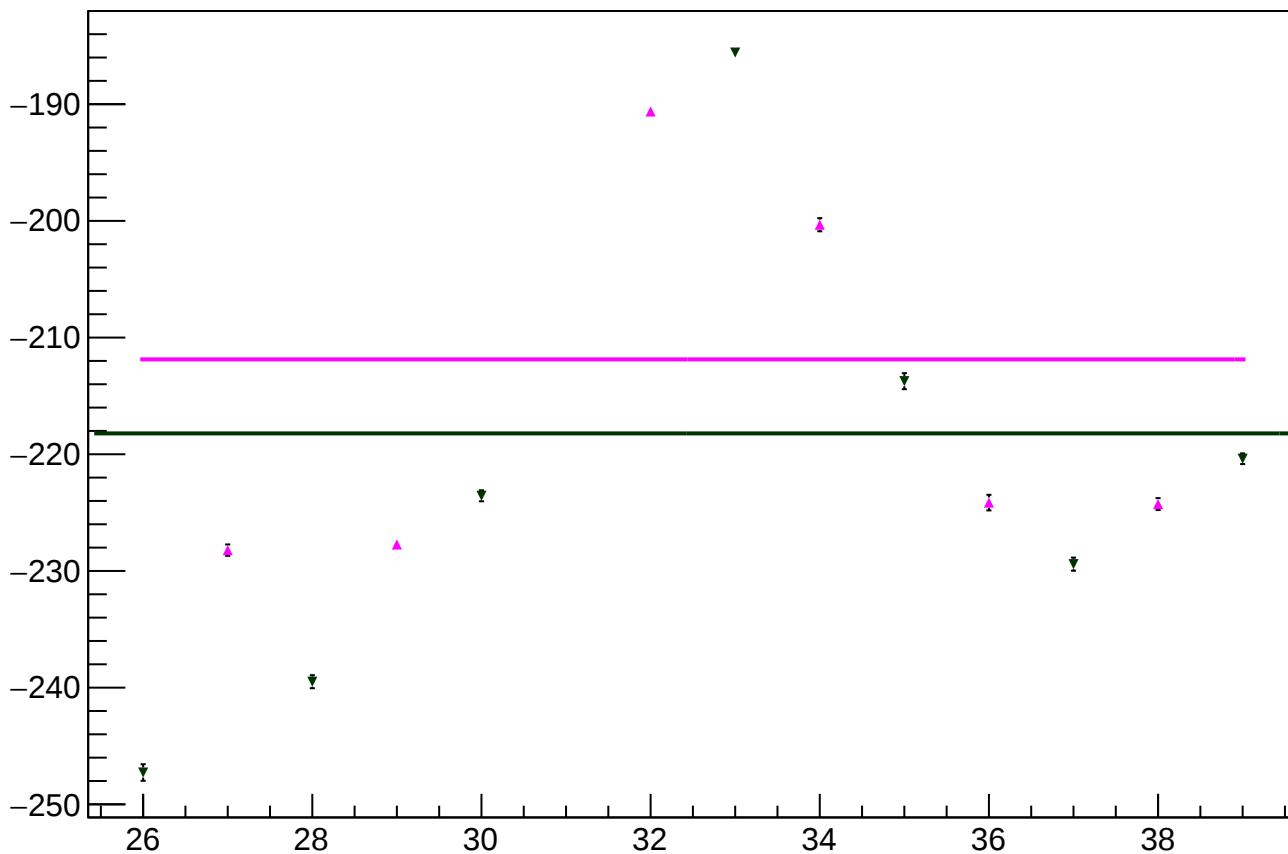
-101.605+/-0.893  $\chi^2/\text{NDF}$ : 900.6/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-89.070+/-0.806  $\chi^2/\text{NDF}$ : 2469.8/5

Left In: -89.070+/-0.806  $\chi^2/\text{NDF}$ : 2469.8/5

reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -218.212+/-0.198  $\chi^2/\text{NDF}$ : 9763.2/6

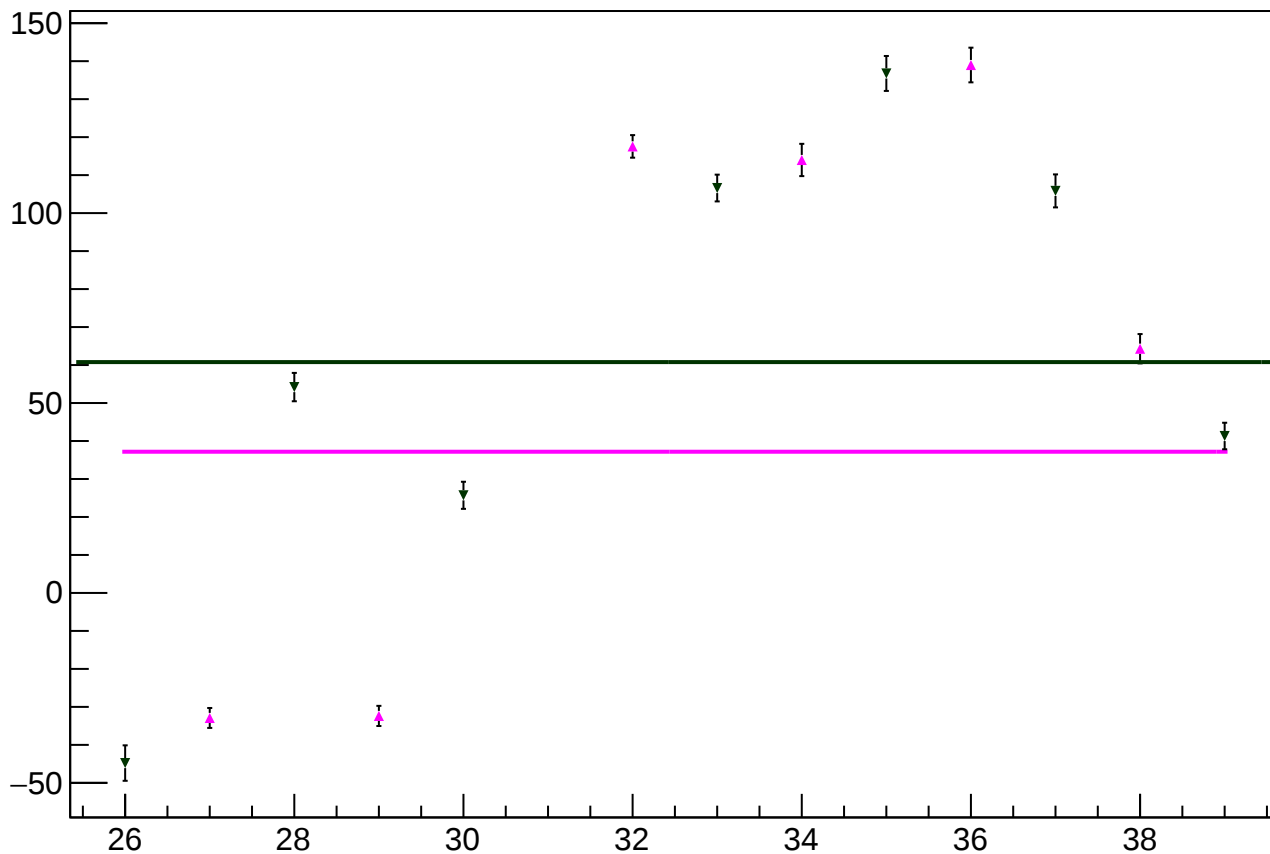
-218.212+/-0.198  $\chi^2/\text{NDF}$ : 9763.2/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-211.868+/-0.189  $\chi^2/\text{NDF}$ : 7994.0/5

Left In: -211.868+/-0.189  $\chi^2/\text{NDF}$ : 7994.0/5

reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 60.776+/-1.476  $\chi^2/\text{NDF}$ :1191.9/6

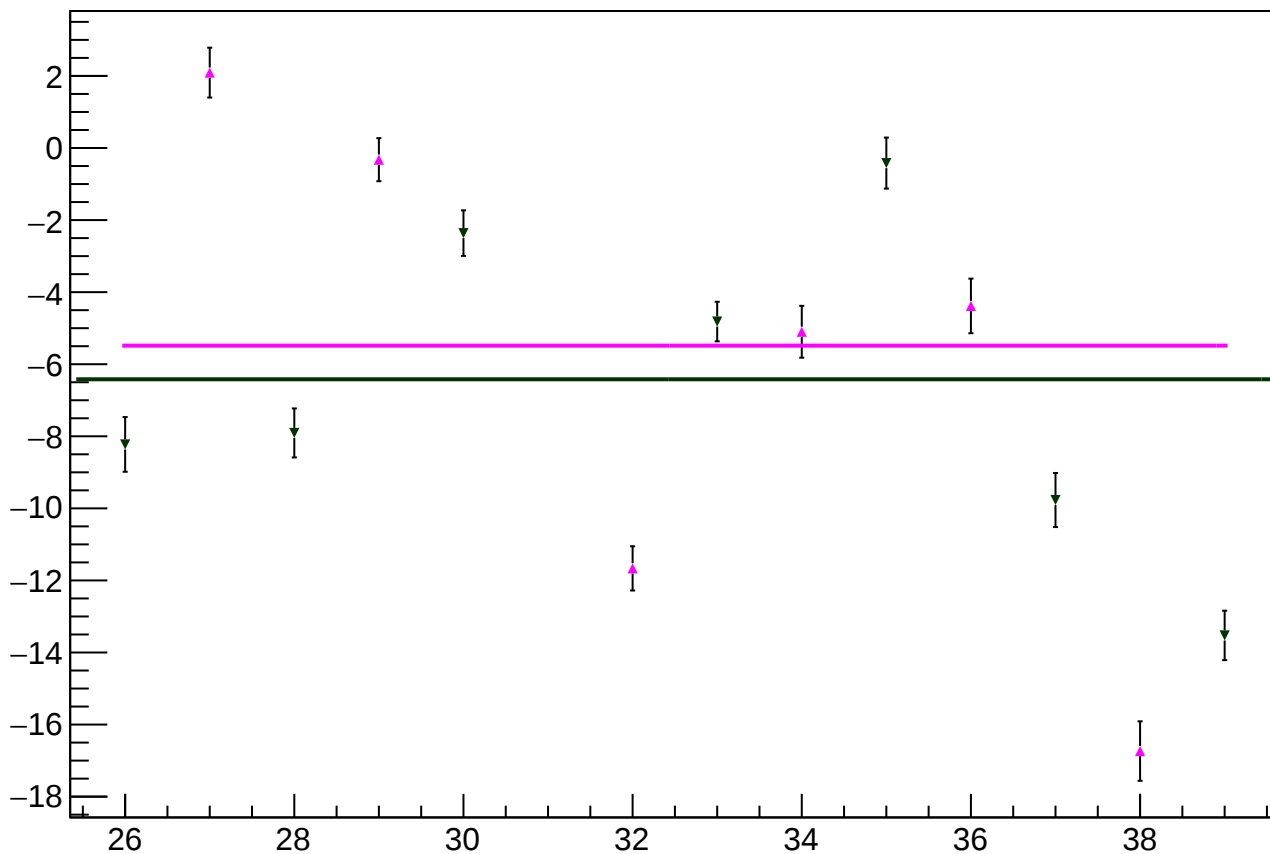
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 37.178+/-1.323  $\chi^2/\text{NDF}$ :3005.5/5

60.776+/-1.476  $\chi^2/\text{NDF}$ : 1191.9/6

37.178+/-1.323  $\chi^2/\text{NDF}$ : 3005.5/5

reg\_asym\_sam\_26\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -6.418+/-0.253  $\chi^2/\text{NDF}$ : 259.4/6

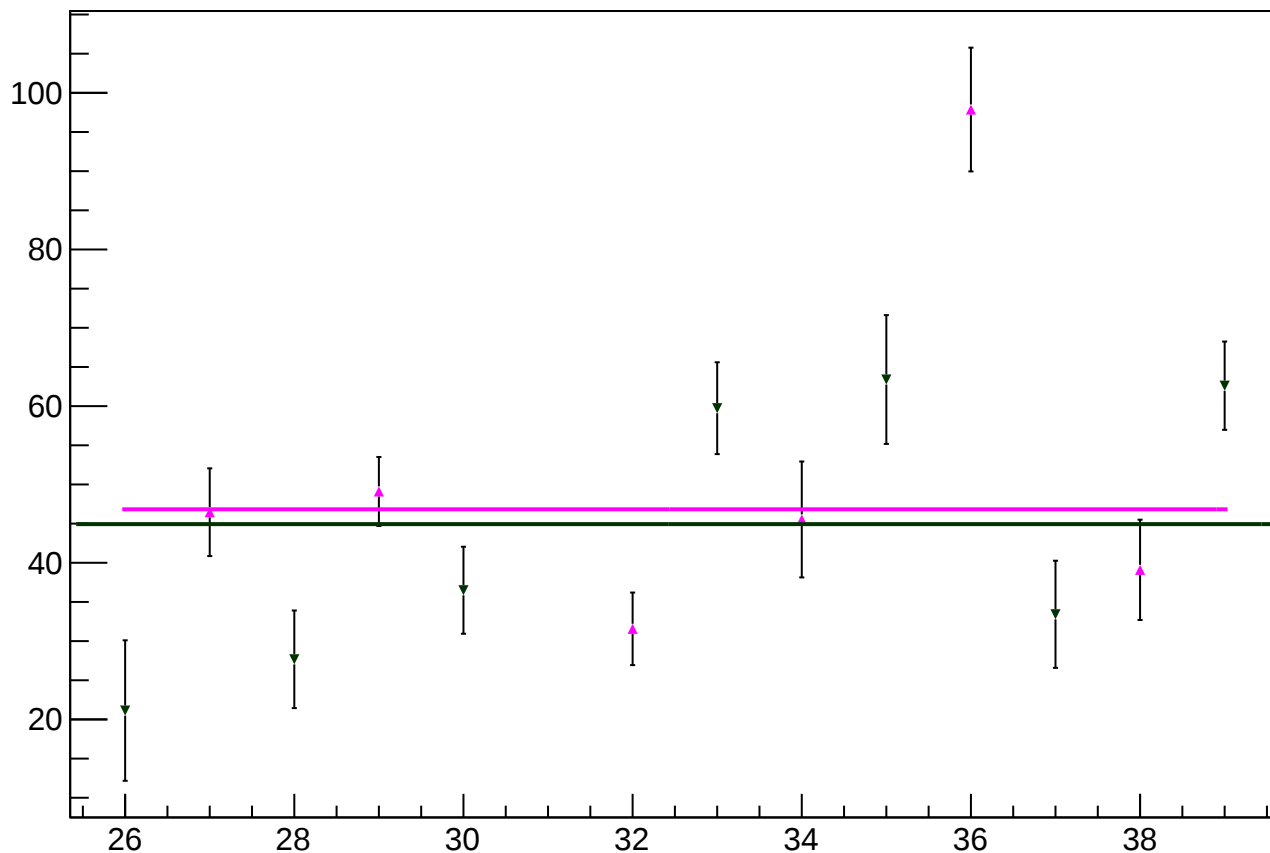
-6.418+/-0.253  $\chi^2/\text{NDF}$ : 259.4/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-5.485+/-0.281  $\chi^2/\text{NDF}$ : 484.0/5

Left In: -5.485+/-0.281  $\chi^2/\text{NDF}$ : 484.0/5

reg\_asym\_sam\_26\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 44.936+/-2.445  $\chi^2/\text{NDF}$ : 41.1/6

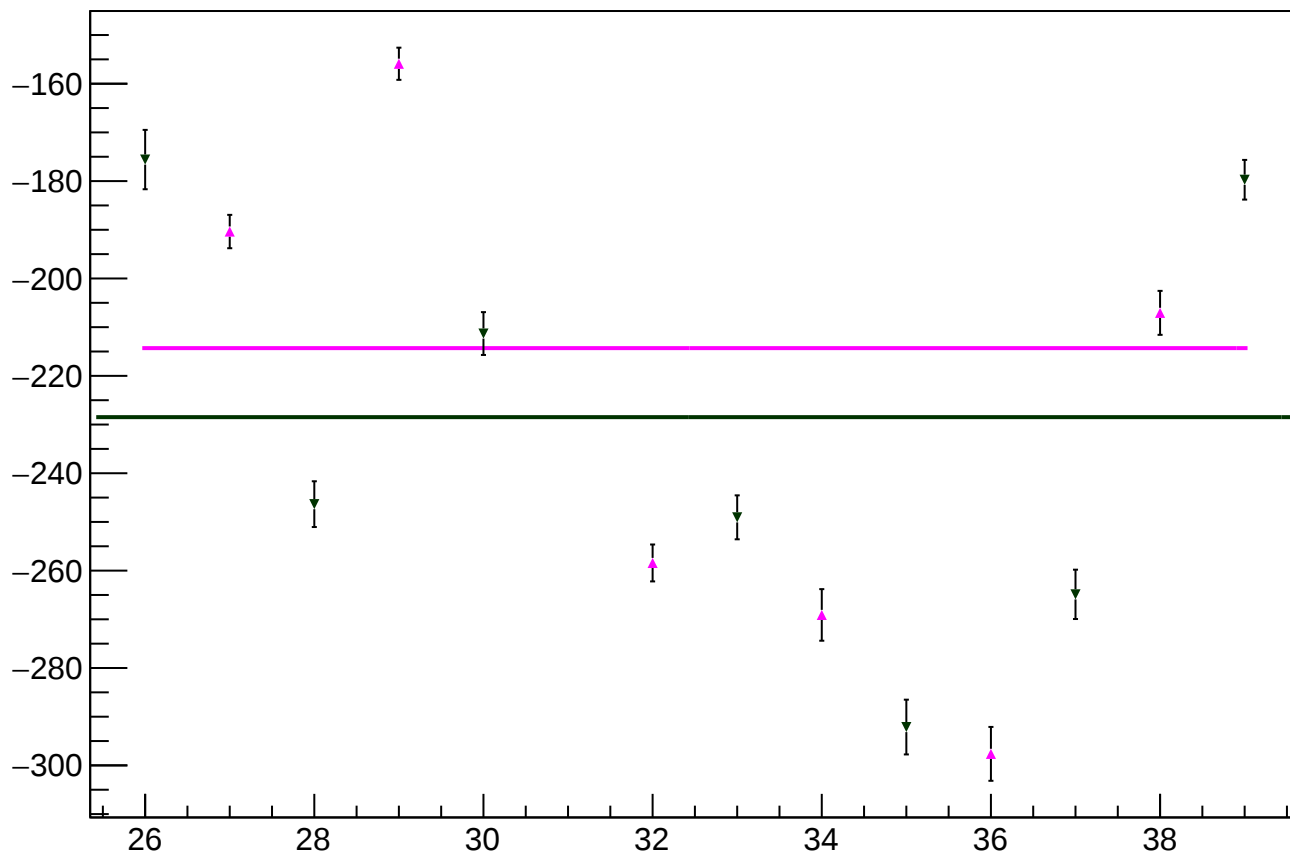
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 46.829+/-2.302  $\chi^2/\text{NDF}$ : 54.4/5

44.936+/-2.445  $\chi^2/\text{NDF}$ : 41.1/6

46.829+/-2.302  $\chi^2/\text{NDF}$ : 54.4/5

# reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -228.480+/-1.814  $\chi^2/\text{NDF}$ : 448.7/6

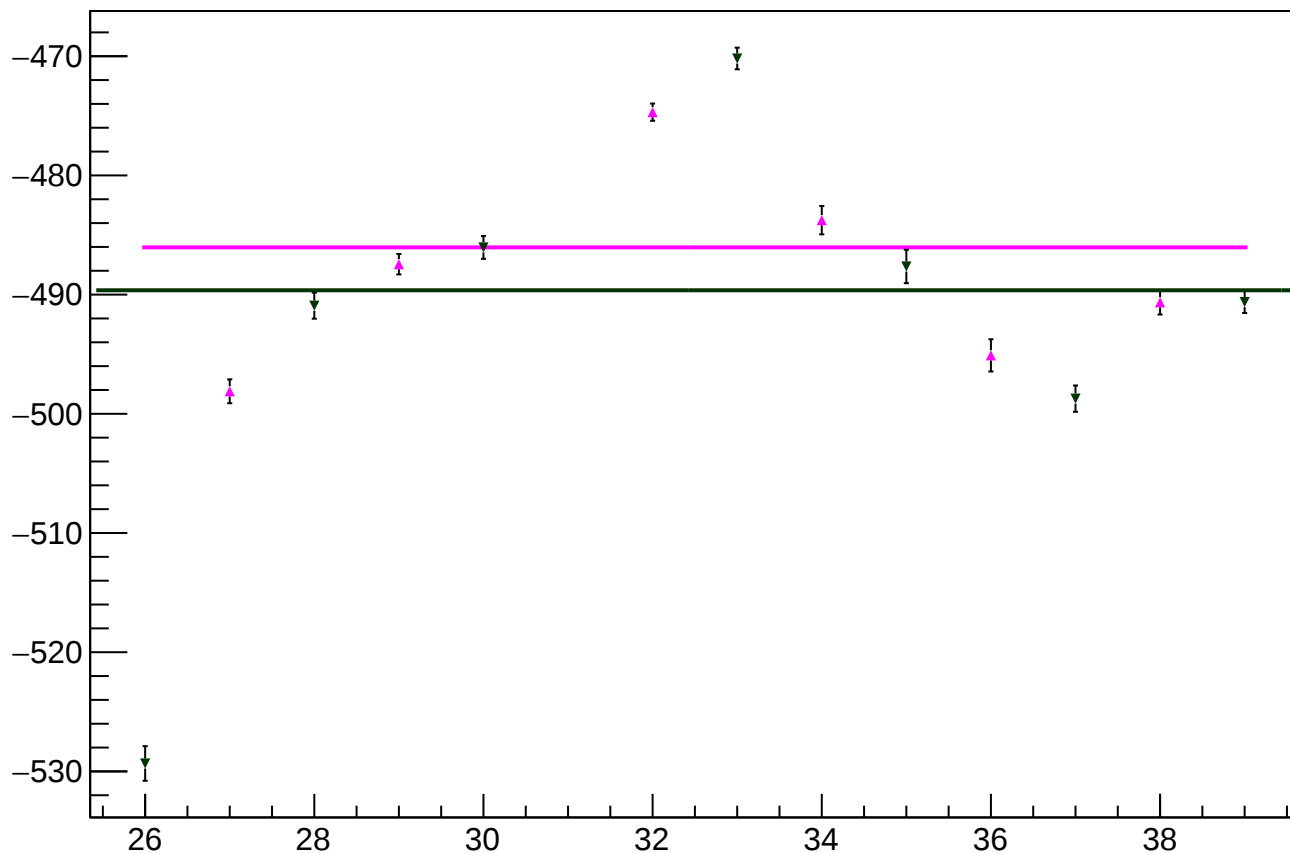
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -214.305+/-1.658  $\chi^2/\text{NDF}$ : 833.2/5

-228.480+/-1.814  $\chi^2/\text{NDF}$ : 448.7/6

-214.305+/-1.658  $\chi^2/\text{NDF}$ : 833.2/5

# reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -489.636+/-0.404  $\chi^2/\text{NDF}$ : 1291.3/6

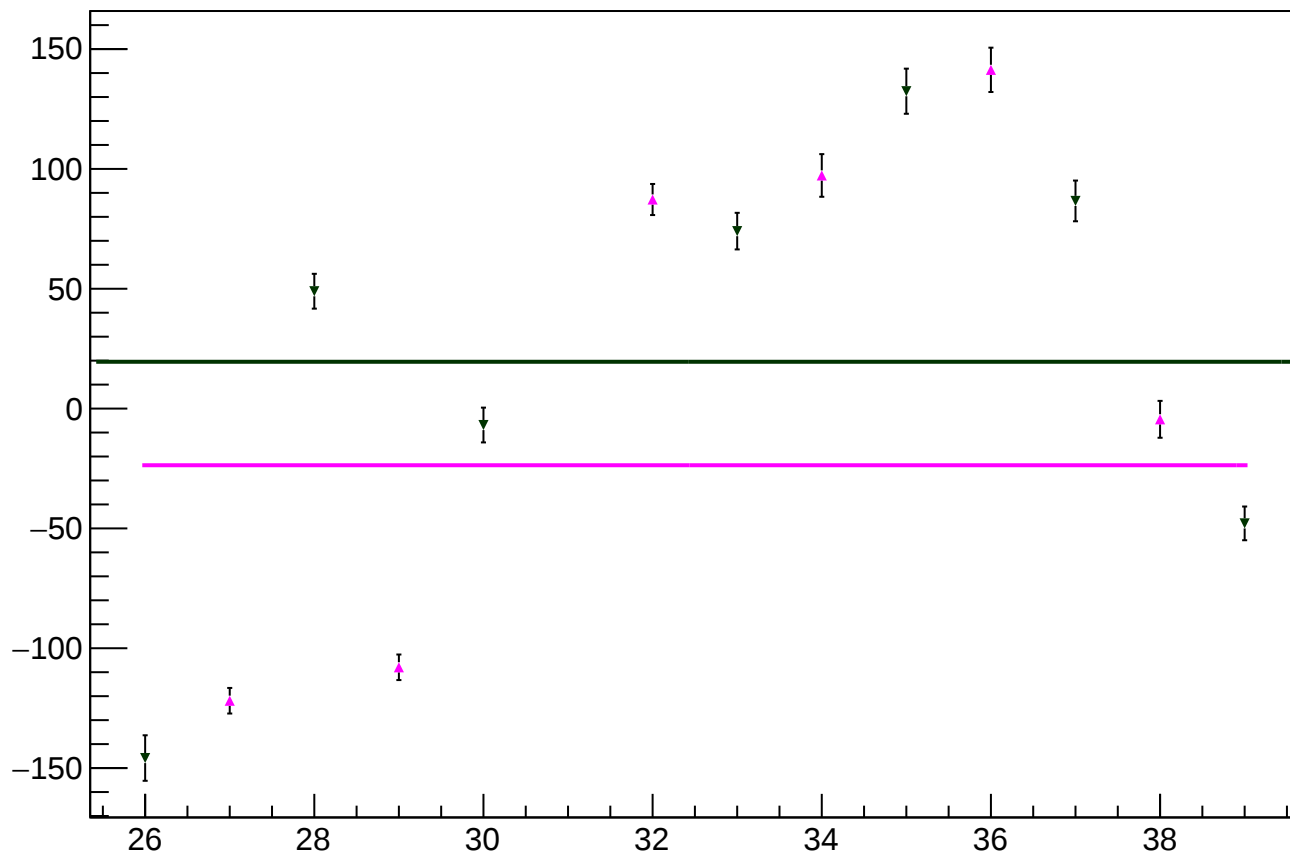
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -486.036+/-0.393  $\chi^2/\text{NDF}$ : 463.6/5

-489.636+/-0.404  $\chi^2/\text{NDF}$ : 1291.3/6

-486.036+/-0.393  $\chi^2/\text{NDF}$ : 463.6/5

reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 19.532+/-2.995  $\chi^2/\text{NDF}$ : 681.9/6

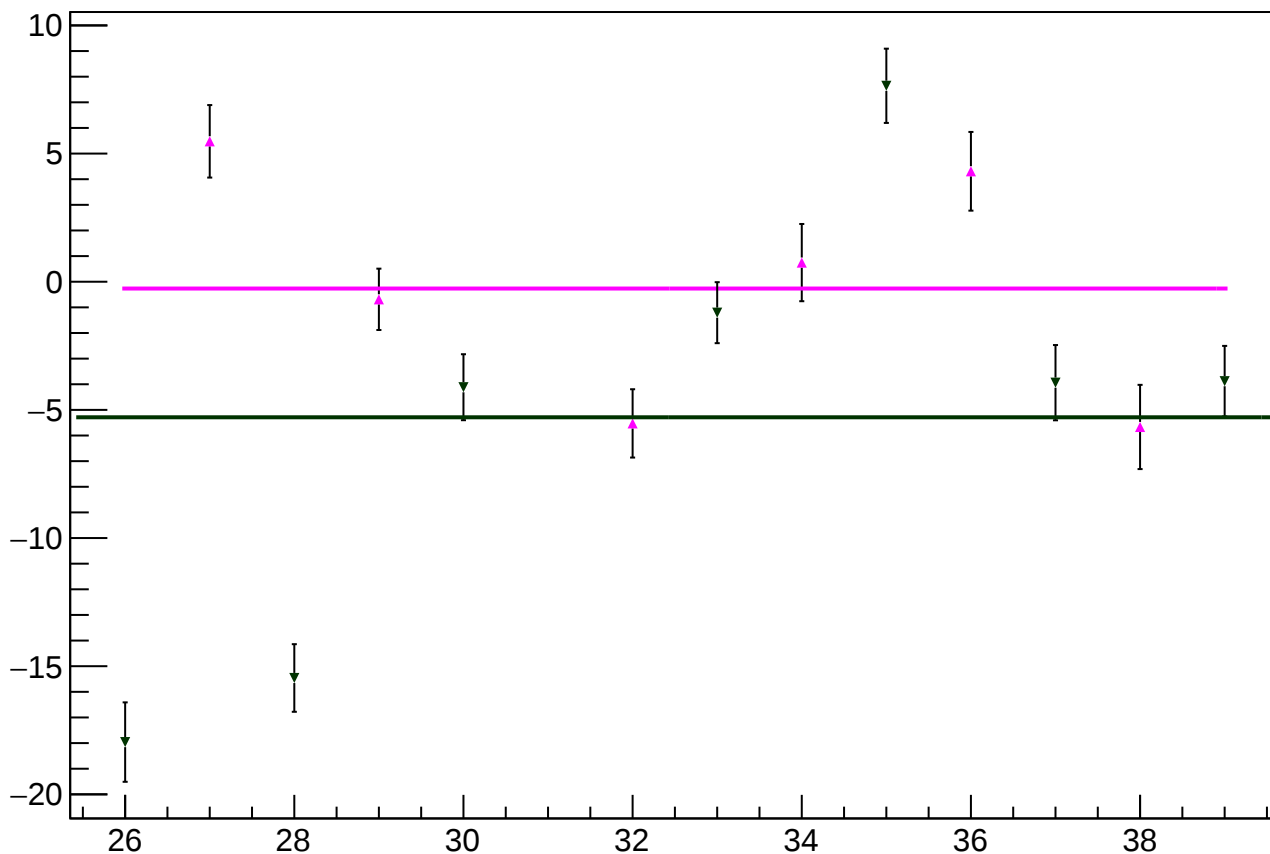
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -23.642+/-2.719  $\chi^2/\text{NDF}$ : 1390.1/5

19.532+/-2.995  $\chi^2/\text{NDF}$ : 681.9/6

-23.642+/-2.719  $\chi^2/\text{NDF}$ : 1390.1/5

reg\_asym\_sam\_26\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -5.289+/-0.515  $\chi^2/\text{NDF}$ : 220.5/6

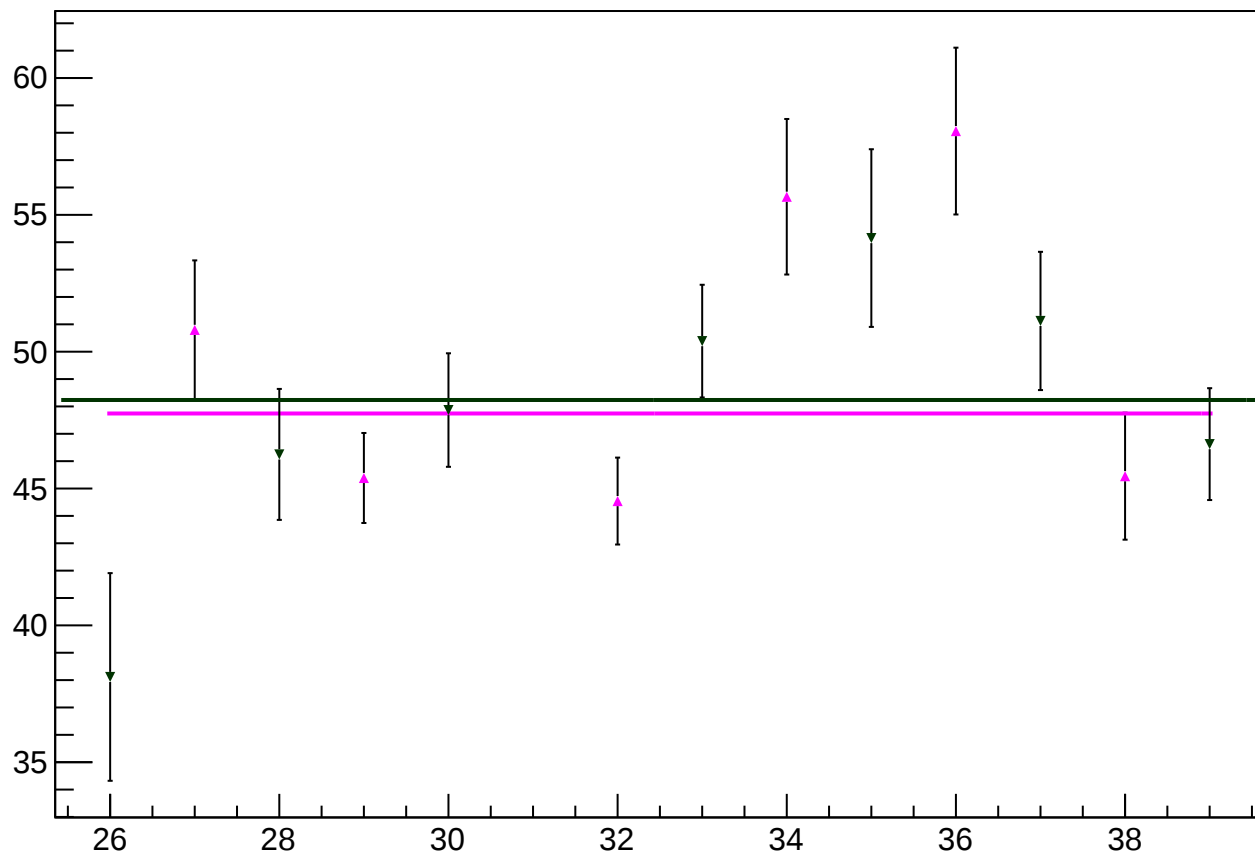
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.266+/-0.578  $\chi^2/\text{NDF}$ : 52.3/5

-5.289+/-0.515  $\chi^2/\text{NDF}$ : 220.5/6

-0.266+/-0.578  $\chi^2/\text{NDF}$ : 52.3/5

reg\_asym\_sam\_48\_avg\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 48.235+/-0.912  $\chi^2/\text{NDF}$ :14.2/6

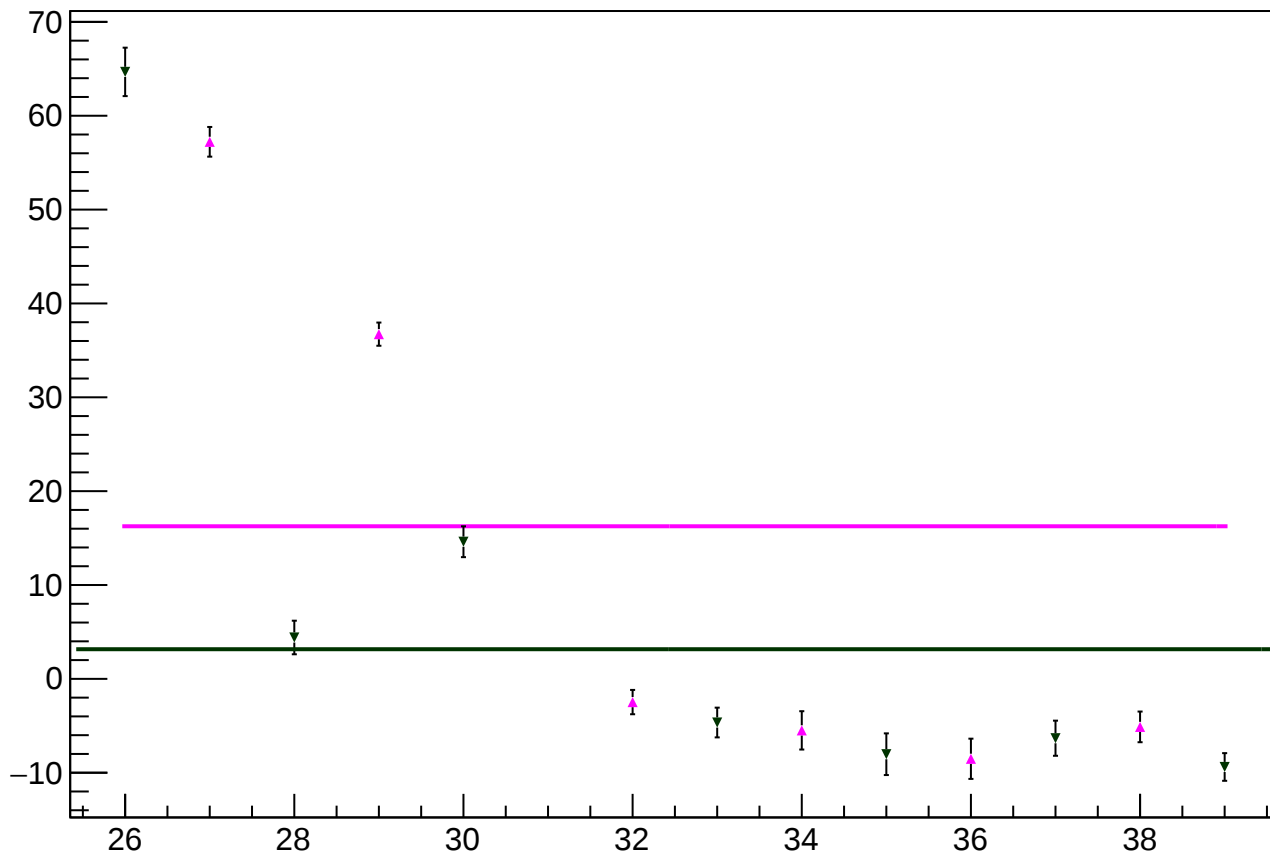
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 47.742+/-0.864  $\chi^2/\text{NDF}$ :27.8/5

48.235+/-0.912  $\chi^2/\text{NDF}$ : 14.2/6

47.742+/-0.864  $\chi^2/\text{NDF}$ : 27.8/5

# reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 3.159+/-0.677  $\chi^2/\text{NDF}$ : 765.2/6

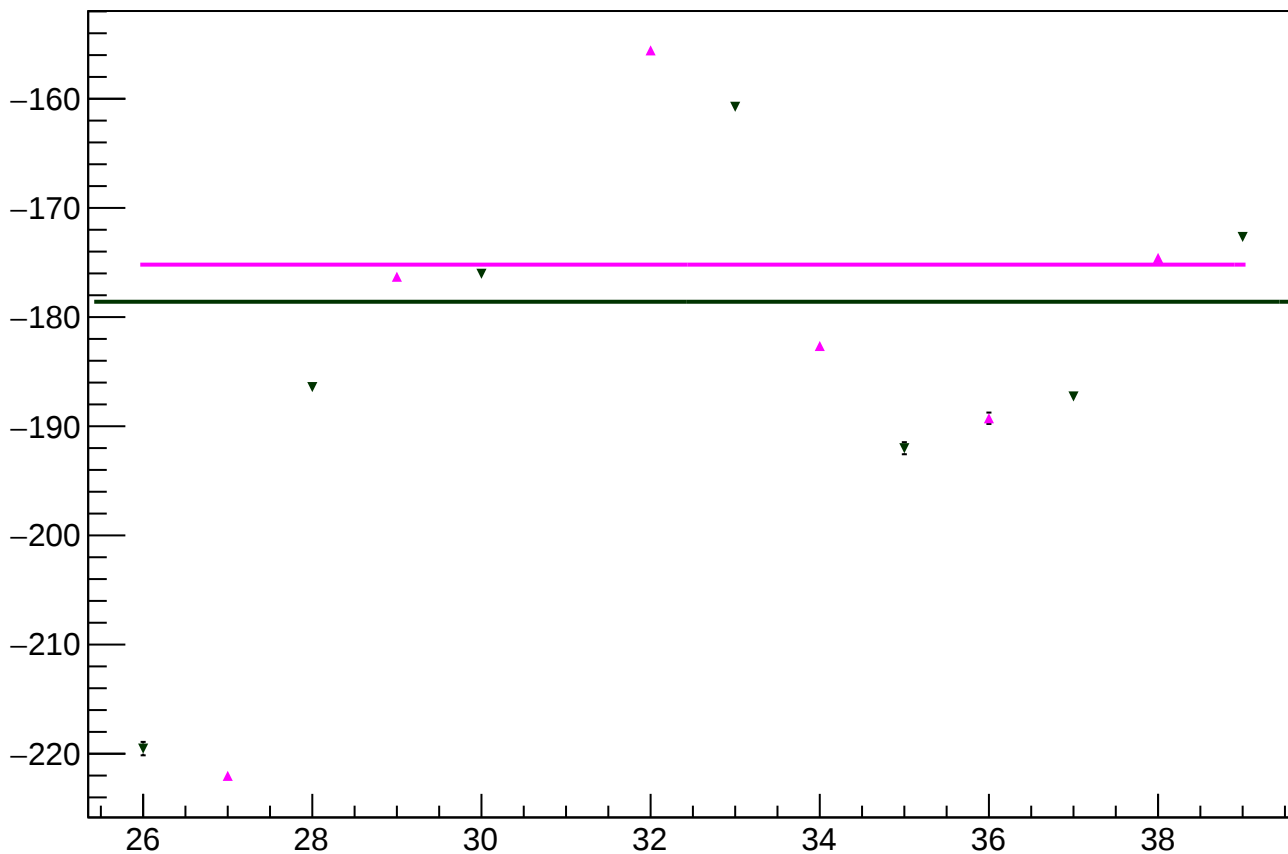
3.159+/-0.677  $\chi^2/\text{NDF}$ : 765.2/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 16.258+/-0.635  $\chi^2/\text{NDF}$ : 1571.9/5

16.258+/-0.635  $\chi^2/\text{NDF}$ : 1571.9/5

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -178.595+/-0.150  $\chi^2/\text{NDF}$ : 9319.3/6

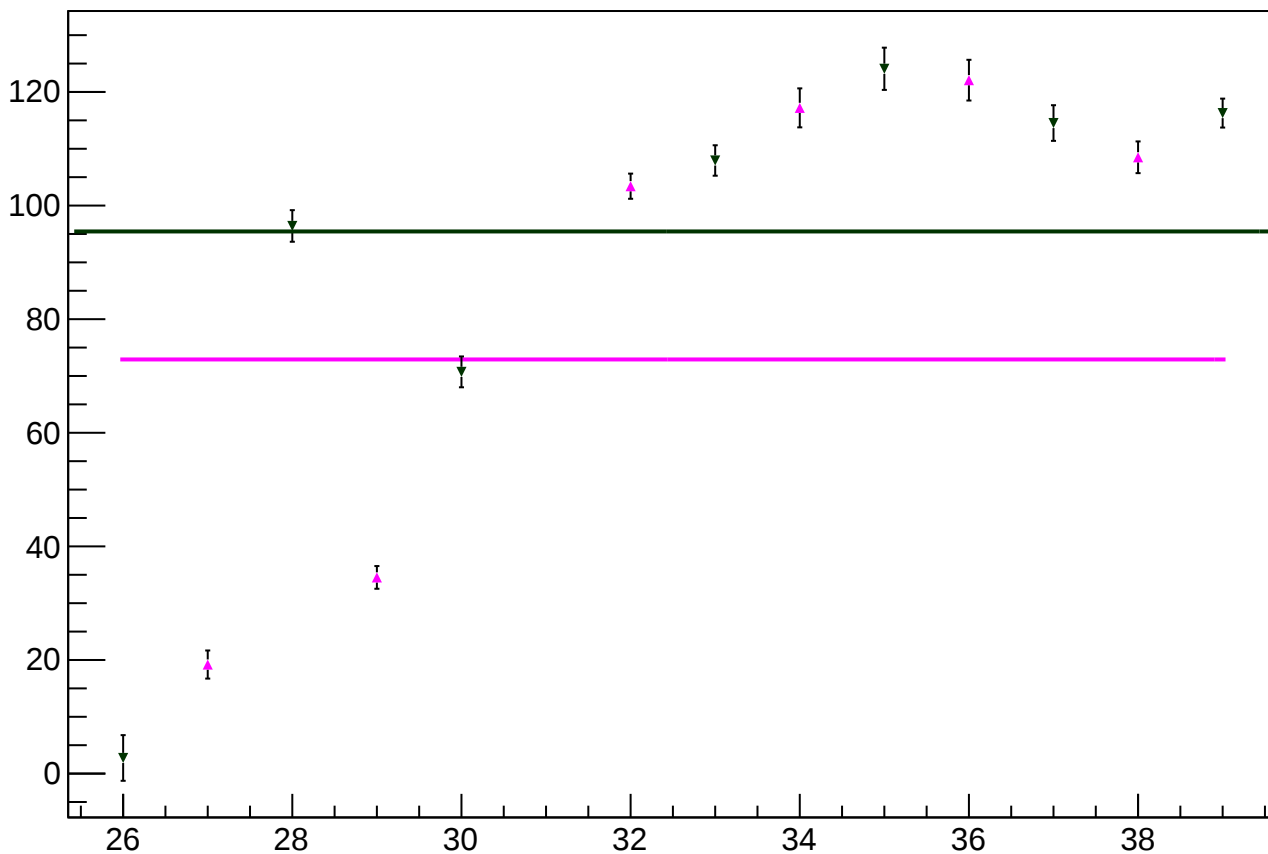
-178.595+/-0.150  $\chi^2/\text{NDF}$ : 9319.3/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-175.195+/-0.146  $\chi^2/\text{NDF}$ : 18024.7/5

Left In: -175.195+/-0.146  $\chi^2/\text{NDF}$ : 18024.7/5

reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 95.444+/-1.122  $\chi^2/\text{NDF}$ : 799.6/6

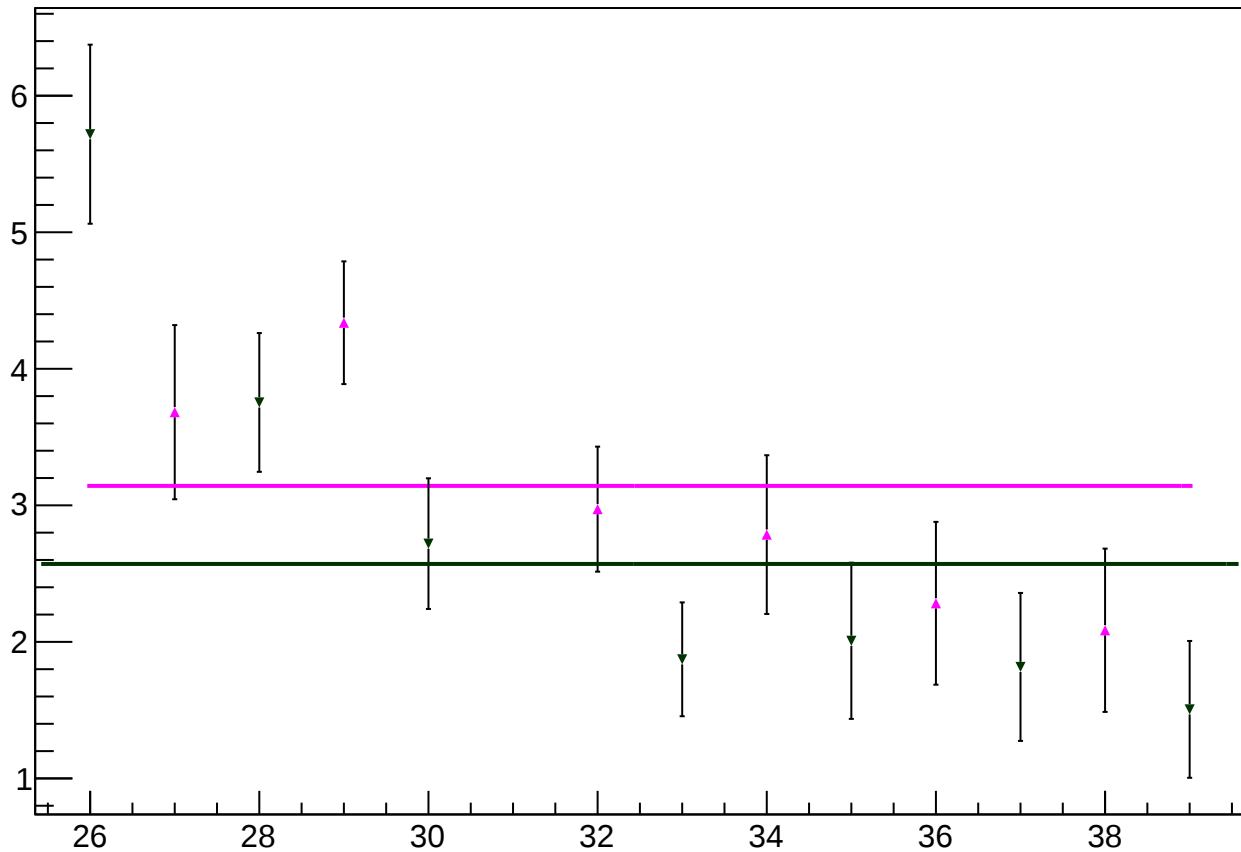
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 72.909+/-1.050  $\chi^2/\text{NDF}$ : 1545.7/5

95.444+/-1.122  $\chi^2/\text{NDF}$ : 799.6/6

72.909+/-1.050  $\chi^2/\text{NDF}$ : 1545.7/5

# reg\_asym\_sam\_48\_avg\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2.571+/-0.193  $\chi^2/\text{NDF}$ : 38.8/6

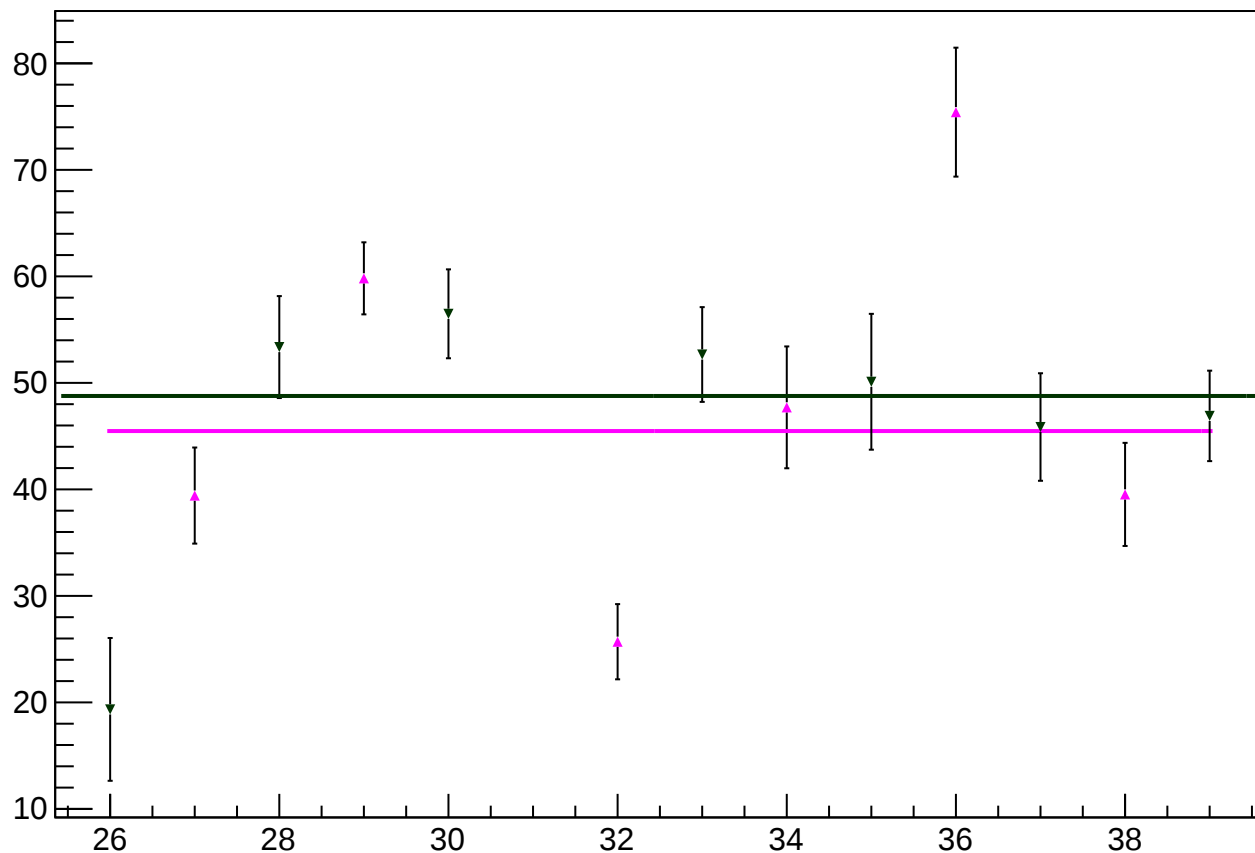
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 3.143+/-0.220  $\chi^2/\text{NDF}$ : 13.5/5

2.571+/-0.193  $\chi^2/\text{NDF}$ : 38.8/6

3.143+/-0.220  $\chi^2/\text{NDF}$ : 13.5/5

reg\_asym\_sam\_48\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 48.771 $\pm$ 1.847  $\chi^2$ /NDF:24.9/6

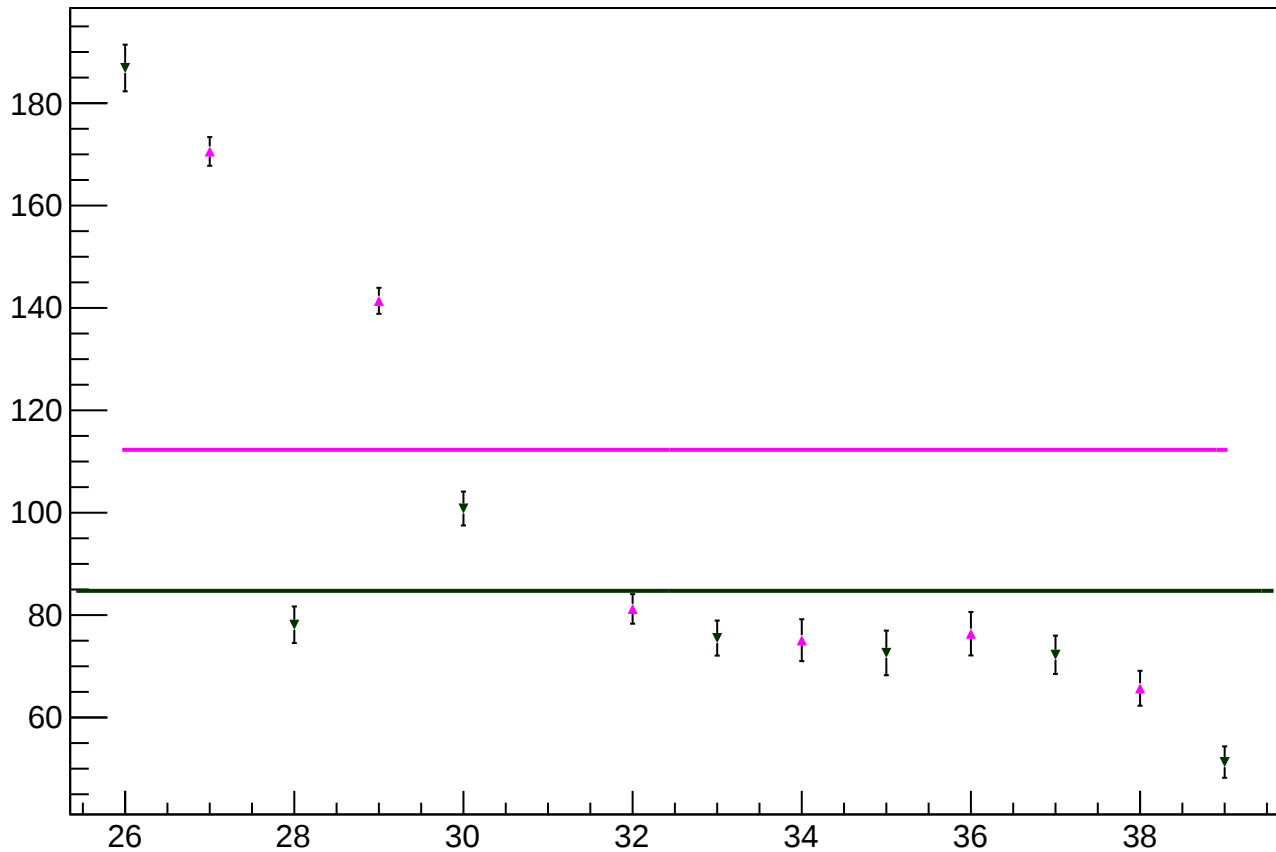
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 45.477 $\pm$ 1.775  $\chi^2$ /NDF:77.3/5

48.771 $\pm$ 1.847  $\chi^2$ /NDF: 24.9/6

45.477 $\pm$ 1.775  $\chi^2$ /NDF: 77.3/5

reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 84.741+/-1.369  $\chi^2/\text{NDF}$ : 674.8/6

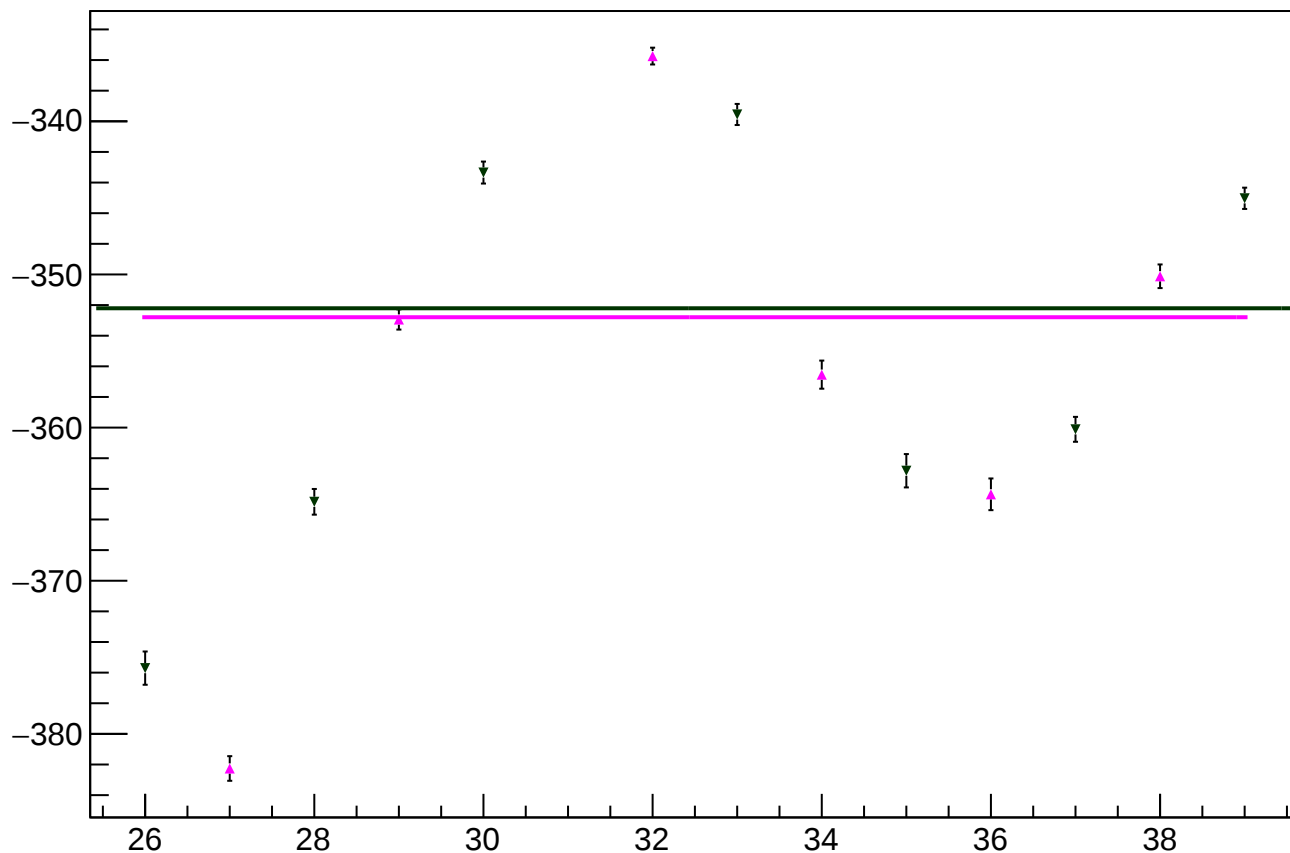
84.741+/-1.369  $\chi^2/\text{NDF}$ : 674.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

112.289+/-1.288  $\chi^2/\text{NDF}$ : 1019.7/5

Left In: 112.289+/-1.288  $\chi^2/\text{NDF}$ : 1019.7/5

reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -352.209+/-0.305  $\chi^2/\text{NDF}$ :1481.4/6

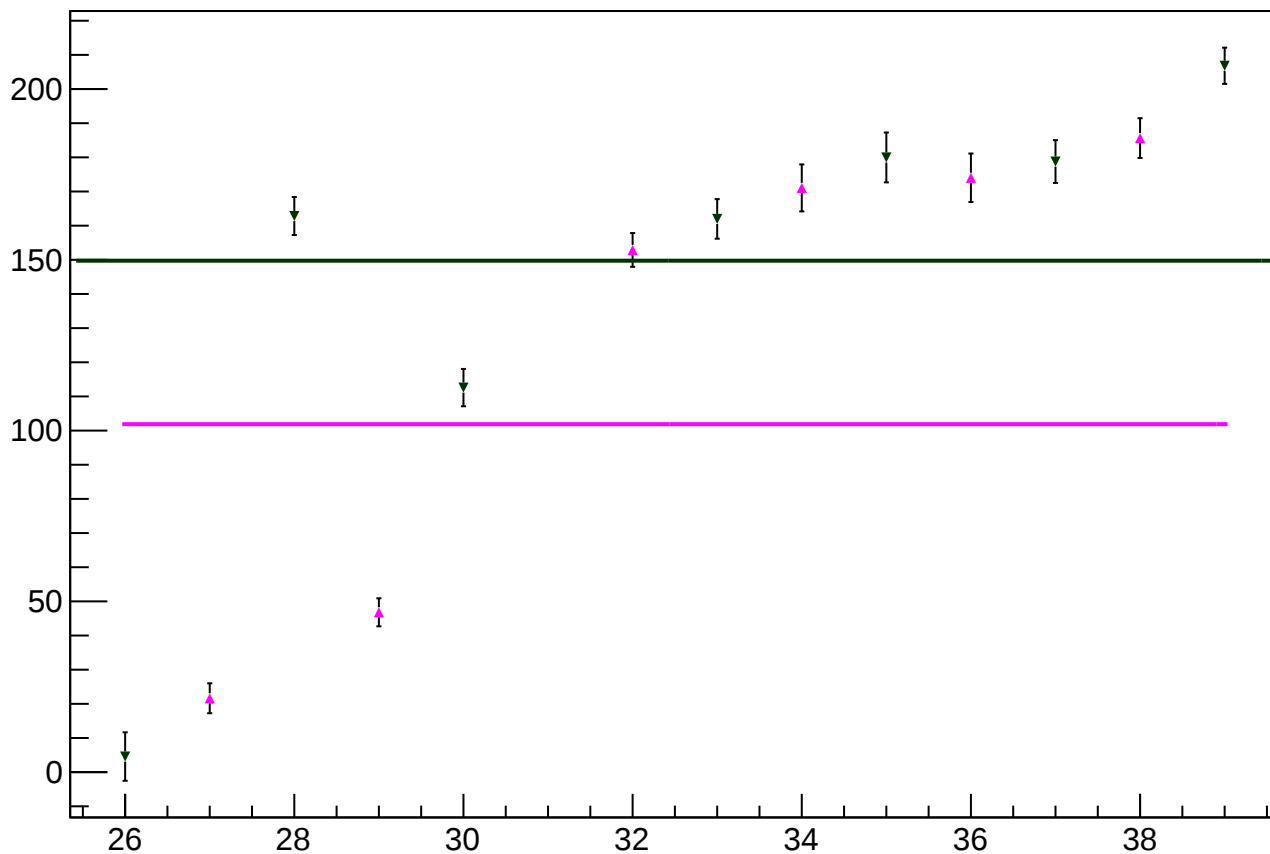
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -352.793+/-0.302  $\chi^2/\text{NDF}$ :2461.3/5

-352.209+/-0.305  $\chi^2/\text{NDF}$ : 1481.4/6

-352.793+/-0.302  $\chi^2/\text{NDF}$ : 2461.3/5

reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 149.746+/-2.262  $\chi^2/\text{NDF}$ : 629.1/6

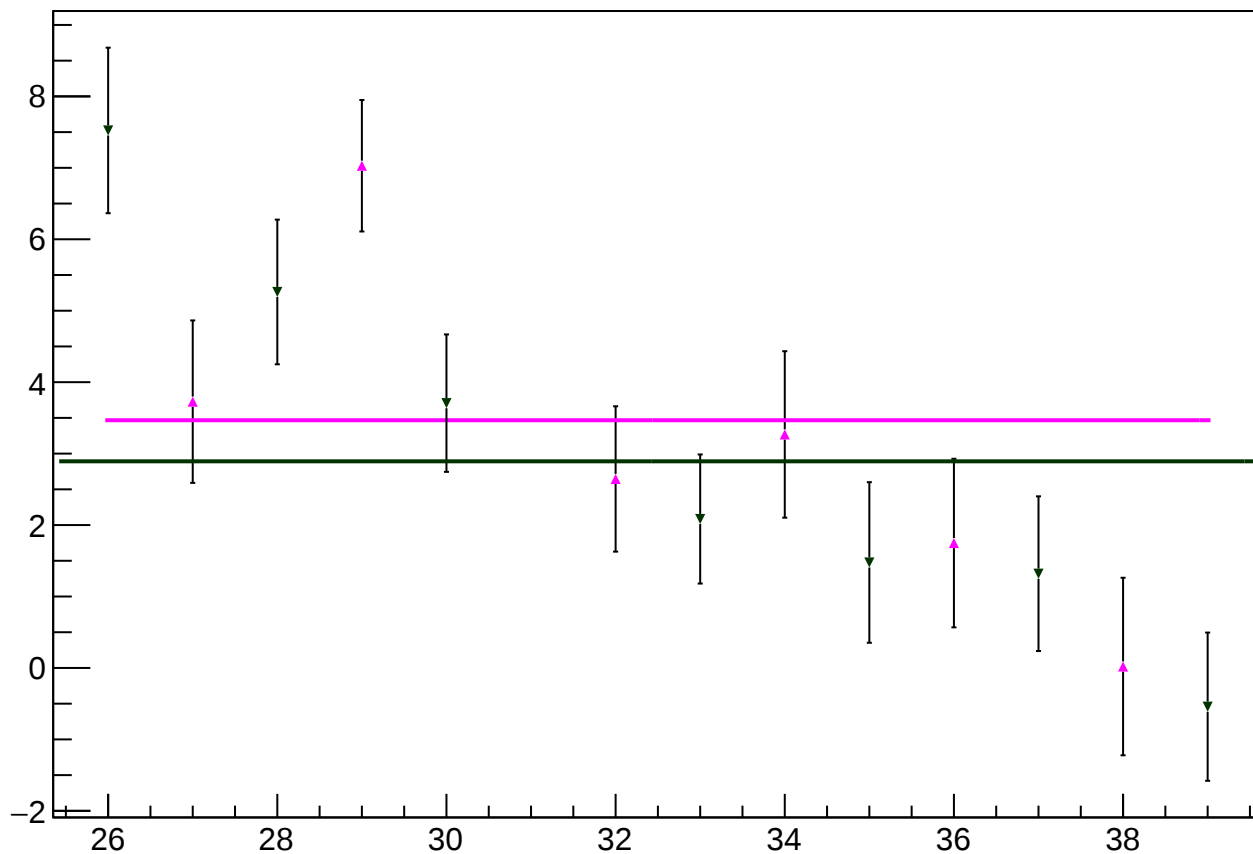
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 101.883+/-2.118  $\chi^2/\text{NDF}$ : 1033.7/5

149.746+/-2.262  $\chi^2/\text{NDF}$ : 629.1/6

101.883+/-2.118  $\chi^2/\text{NDF}$ : 1033.7/5

# reg\_asym\_sam\_48\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 2.892 $\pm$ 0.389  $\chi^2$ /NDF:37.6/6

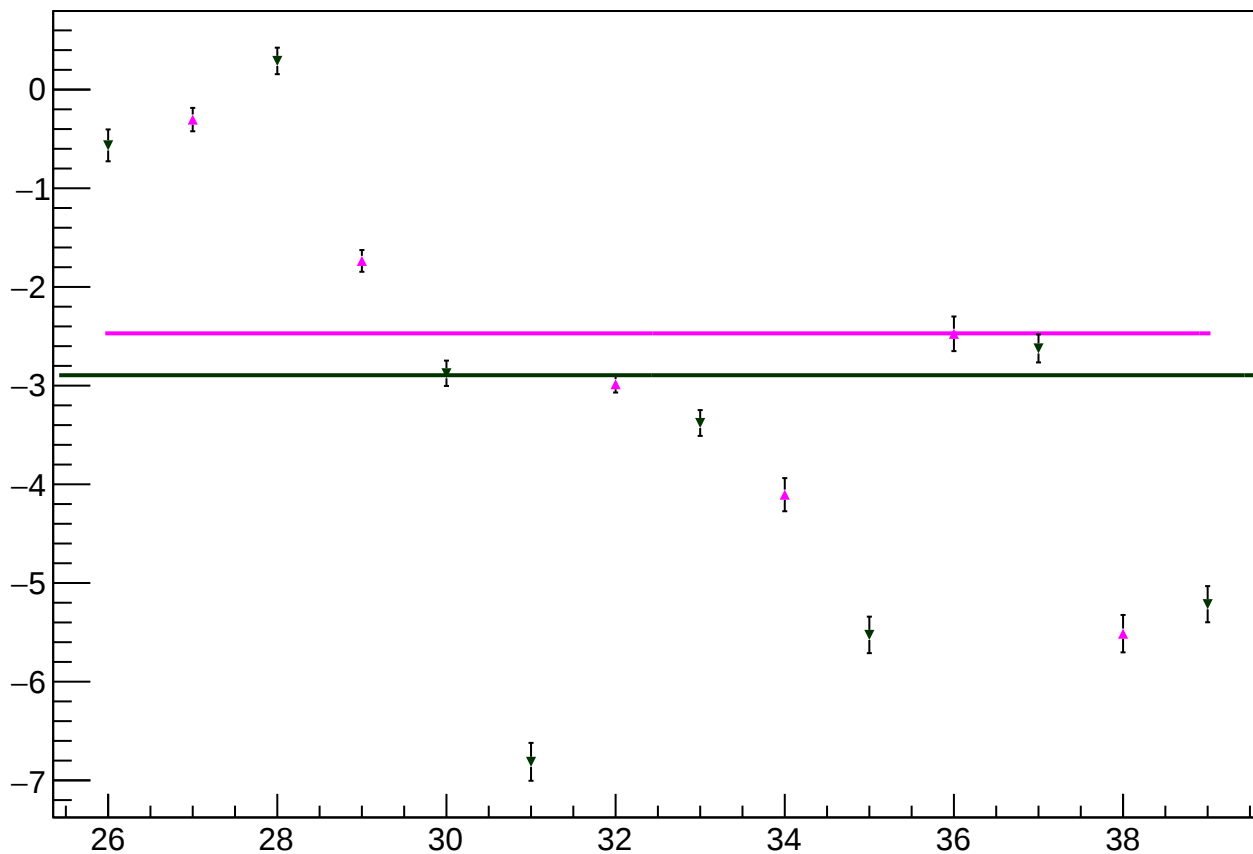
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 3.467 $\pm$ 0.446  $\chi^2$ /NDF:25.5/5

2.892 $\pm$ 0.389  $\chi^2$ /NDF: 37.6/6

3.467 $\pm$ 0.446  $\chi^2$ /NDF: 25.5/5

# reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -2.895+/-0.054  $\chi^2$ /NDF:1567.0/7

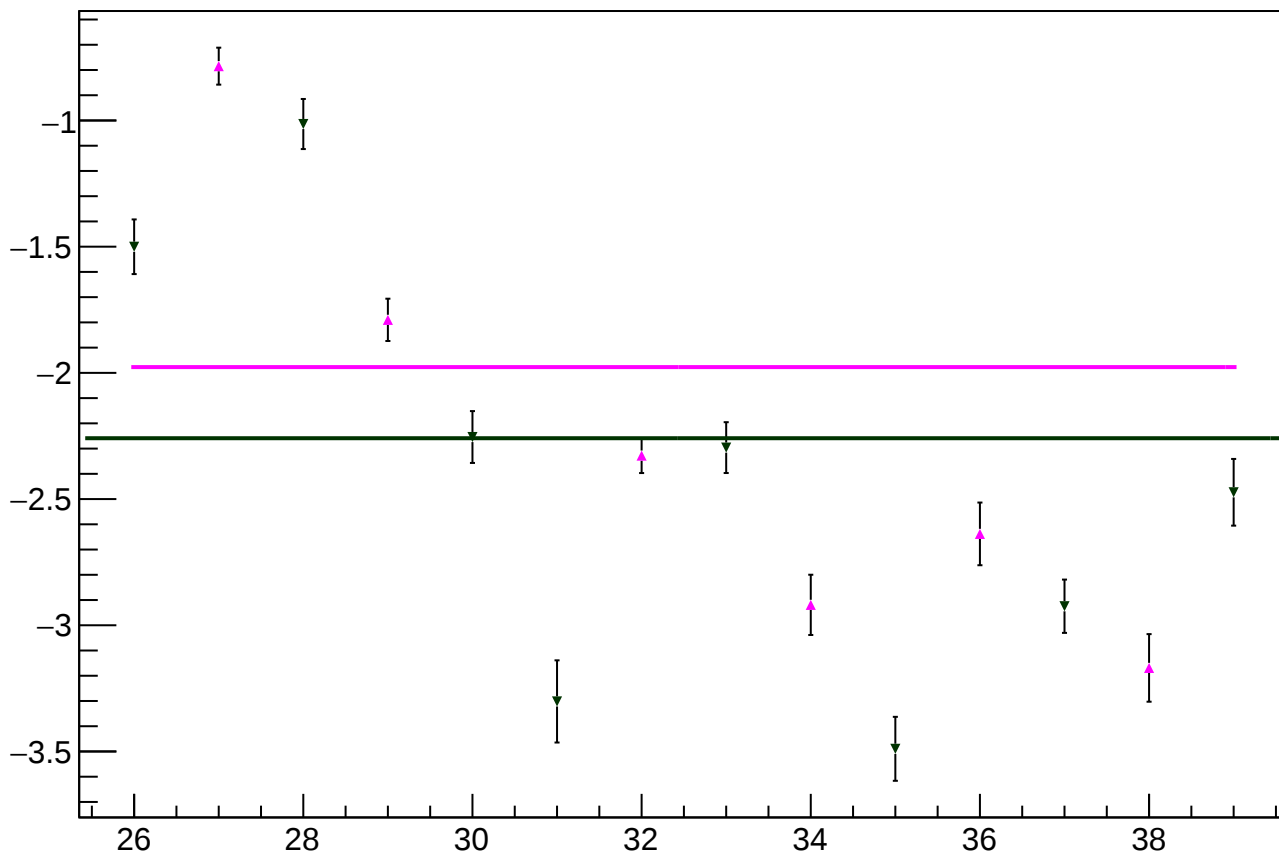
Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: -2.470+/-0.051  $\chi^2$ /NDF:768.8/5

-2.895+/-0.054  $\chi^2$ /NDF: 1567.0/7

-2.470+/-0.051  $\chi^2$ /NDF: 768.8/5

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -2.259 $\pm$ 0.040  $\chi^2$ /NDF: 384.4/7

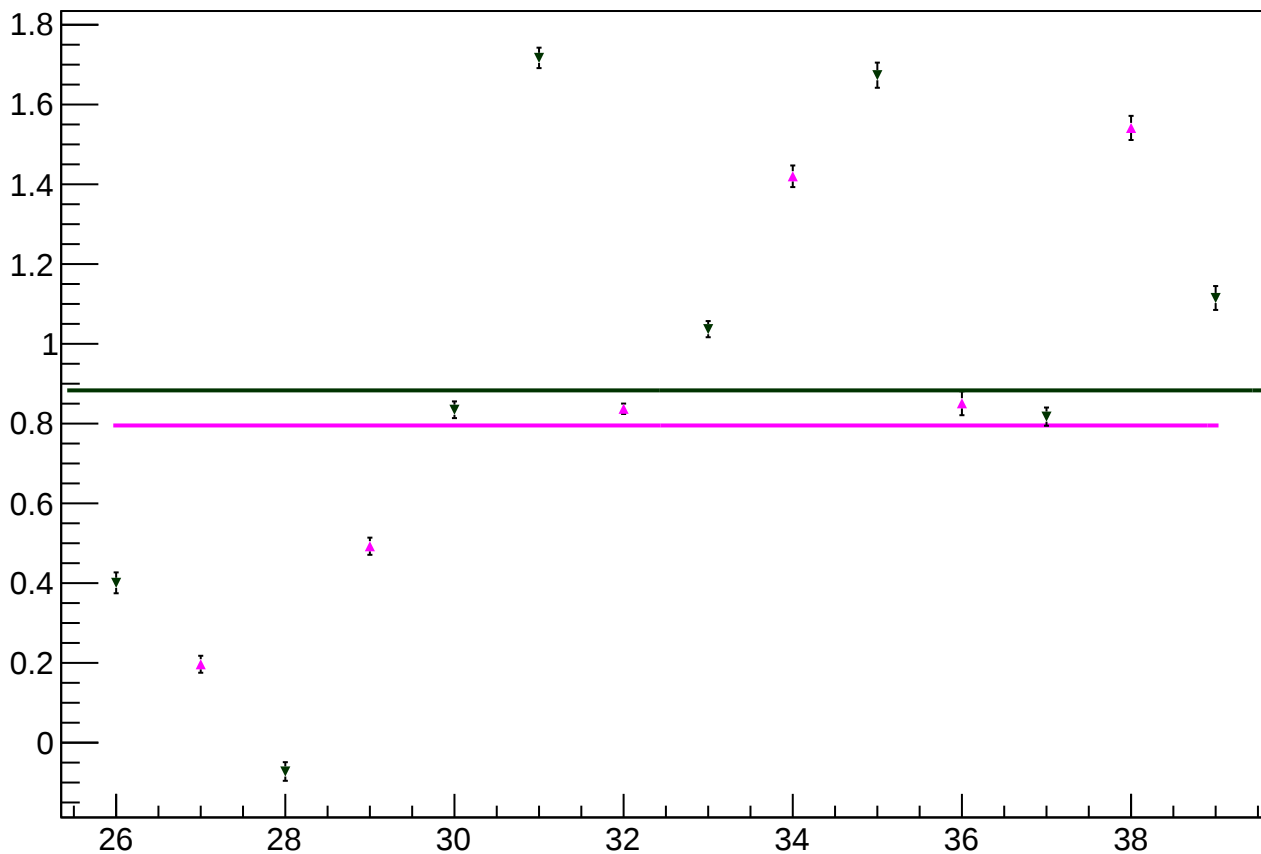
-2.259 $\pm$ 0.040  $\chi^2$ /NDF: 384.4/7

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-1.977 $\pm$ 0.037  $\chi^2$ /NDF: 465.7/5

Left In: -1.977 $\pm$ 0.037  $\chi^2$ /NDF: 465.7/5

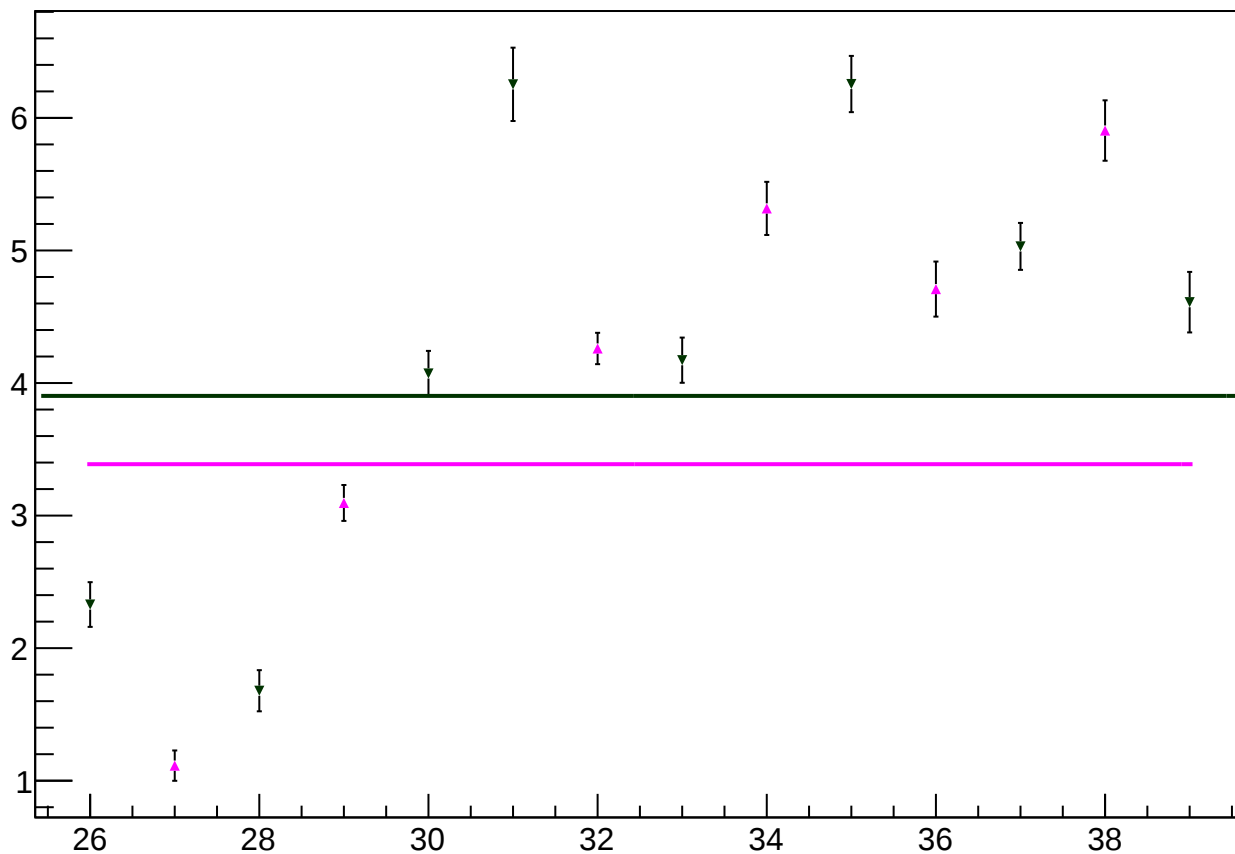
# reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Left Out: 0.883 $\pm$ 0.009  $\chi^2$ /NDF:3834.0/7  
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Left In: 0.795 $\pm$ 0.008  $\chi^2$ /NDF:2144.1/5

0.883 $\pm$ 0.009  $\chi^2$ /NDF: 3834.0/7  
0.795 $\pm$ 0.008  $\chi^2$ /NDF: 2144.1/5

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs slug

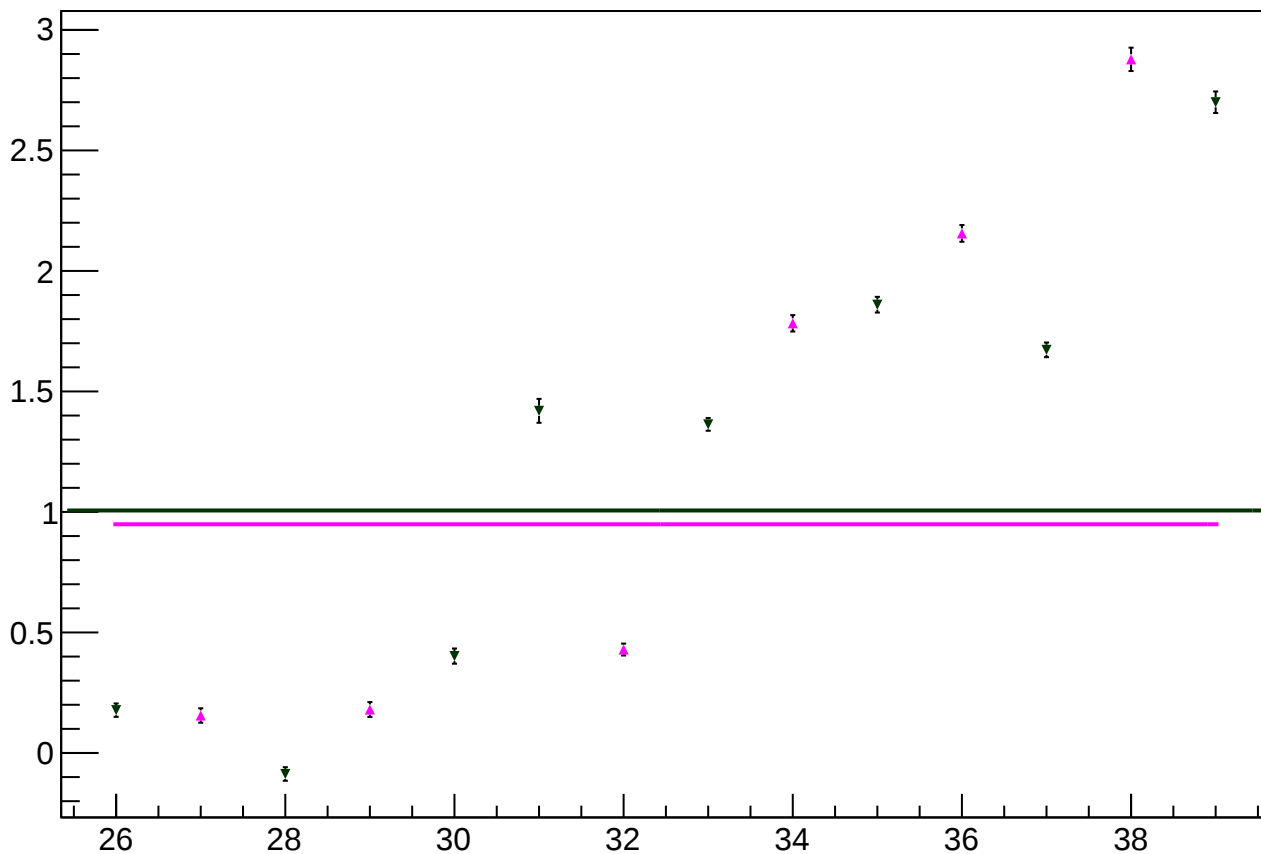


Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left Out: 3.903 $\pm$ 0.066  $\chi^2$ /NDF: 541.2/7  
 Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left In: 3.388 $\pm$ 0.061  $\chi^2$ /NDF: 709.2/5

3.903 $\pm$ 0.066  $\chi^2$ /NDF: 541.2/7

3.388 $\pm$ 0.061  $\chi^2$ /NDF: 709.2/5

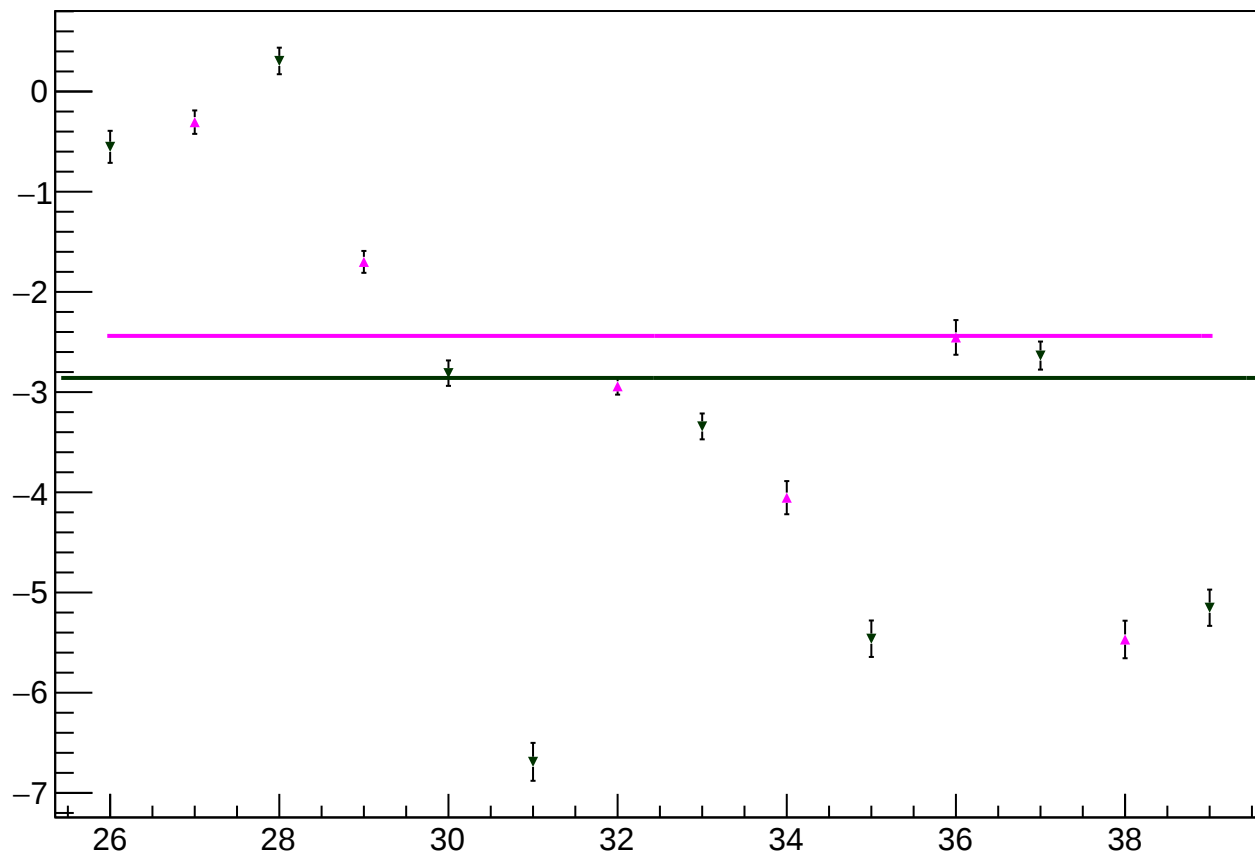
reg\_asym\_bcm\_an\_ds3\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 1.006+/-0.011     $\chi^2/\text{NDF}$ : 5604.2/7  
 Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.949+/-0.013     $\chi^2/\text{NDF}$ : 5156.7/5

1.006+/-0.011     $\chi^2/\text{NDF}$ : 5604.2/7  
 0.949+/-0.013     $\chi^2/\text{NDF}$ : 5156.7/5

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -2.859+/-0.053  $\chi^2/\text{NDF}$ : 1570.6/7

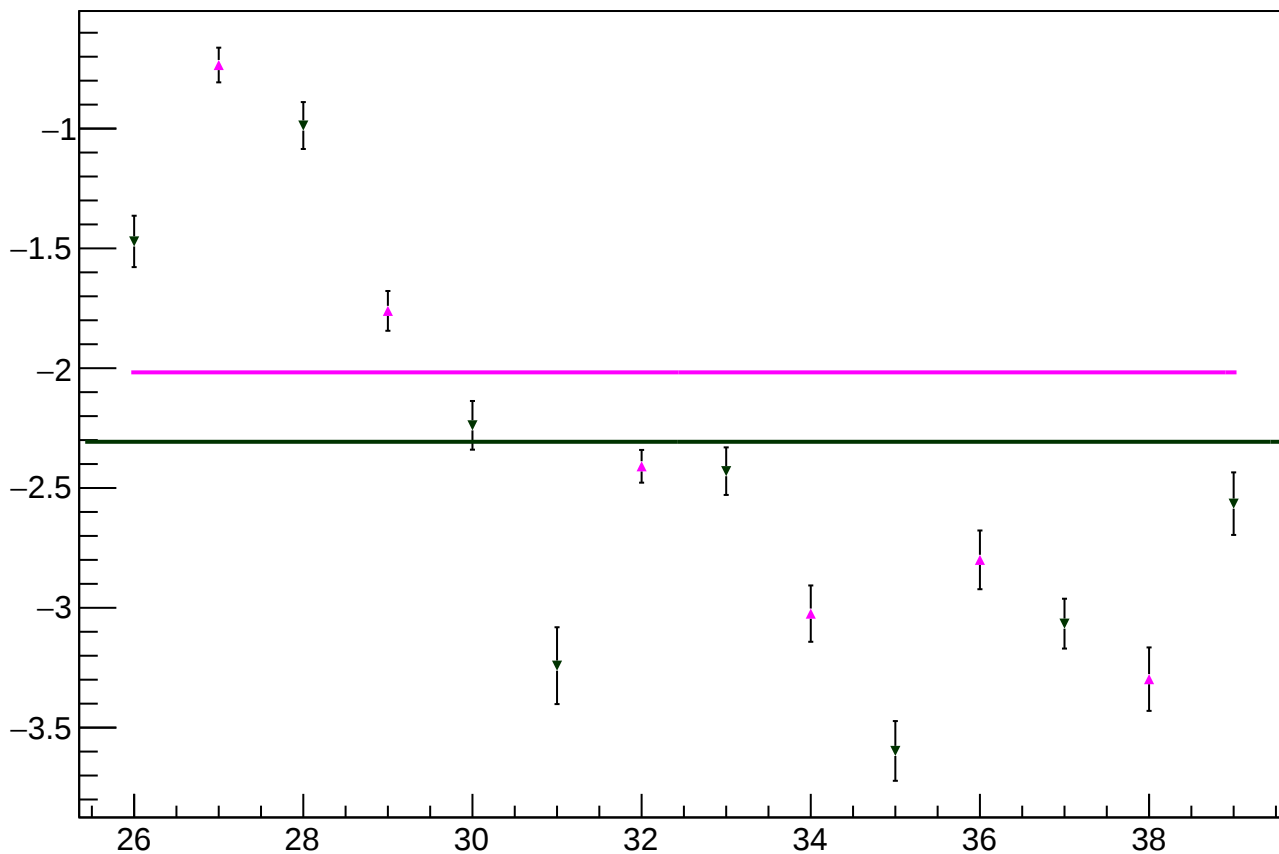
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.439+/-0.050  $\chi^2/\text{NDF}$ : 771.1/5

-2.859+/-0.053  $\chi^2/\text{NDF}$ : 1570.6/7

-2.439+/-0.050  $\chi^2/\text{NDF}$ : 771.1/5

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -2.307+/-0.039  $\chi^2/\text{NDF}$ : 442.8/7

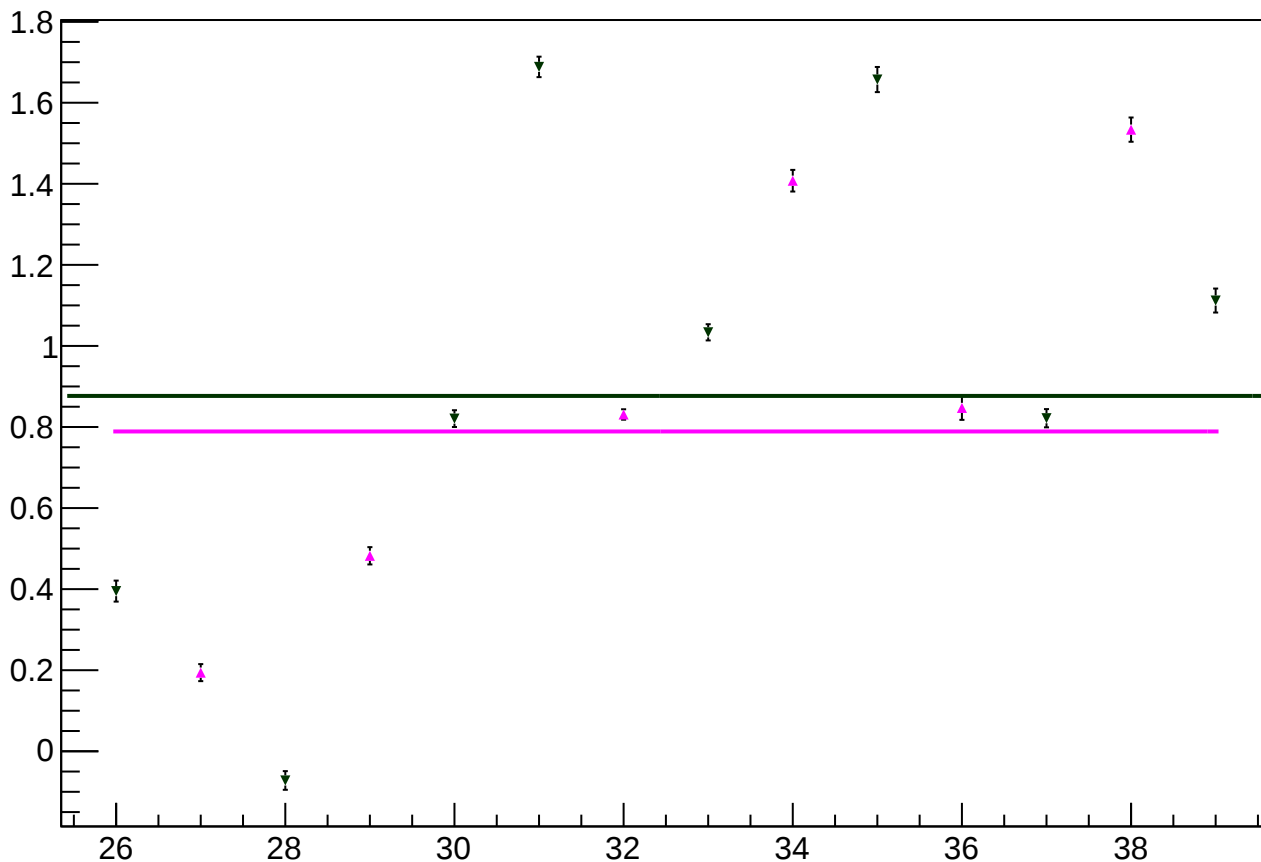
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.017+/-0.037  $\chi^2/\text{NDF}$ : 564.2/5

-2.307+/-0.039  $\chi^2/\text{NDF}$ : 442.8/7

-2.017+/-0.037  $\chi^2/\text{NDF}$ : 564.2/5

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.877+/-0.008  $\chi^2/\text{NDF}$ : 3849.3/7

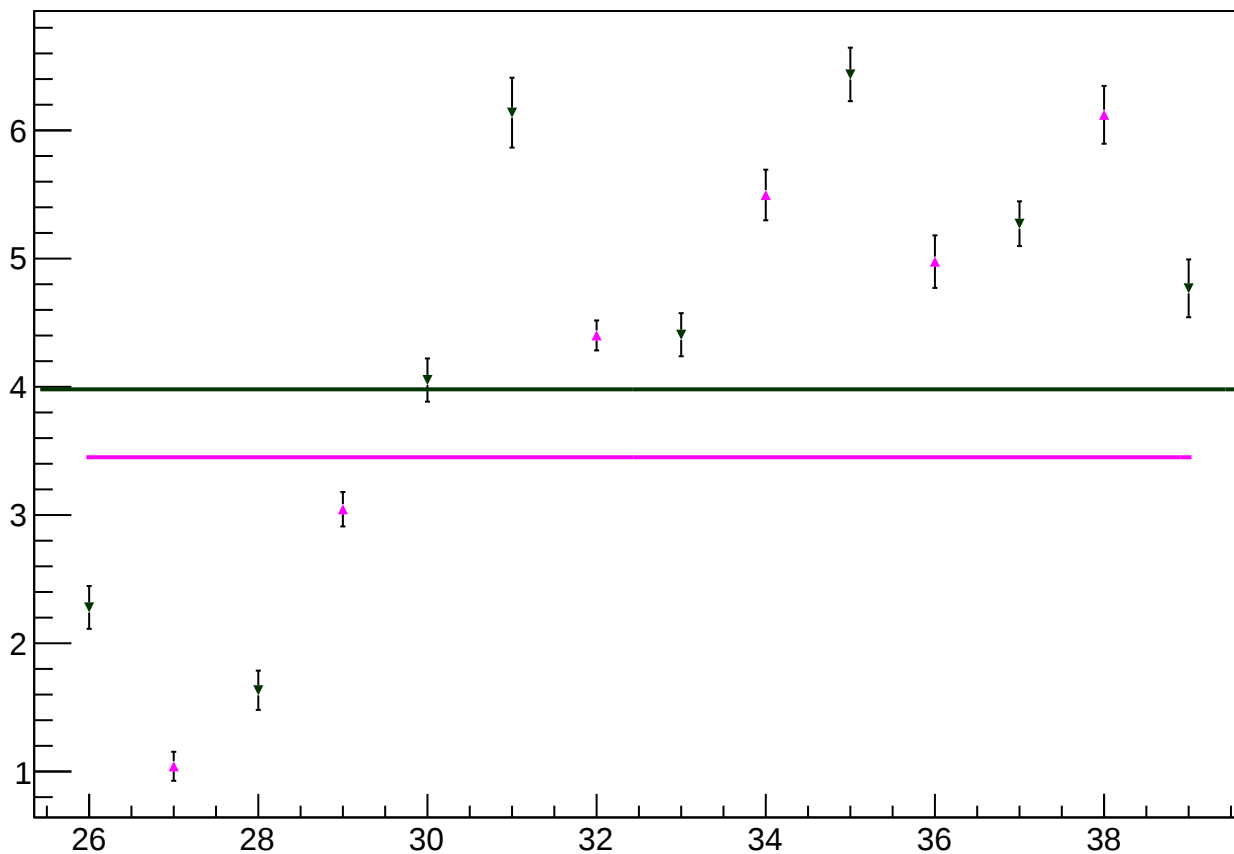
0.877+/-0.008  $\chi^2/\text{NDF}$ : 3849.3/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.789+/-0.008  $\chi^2/\text{NDF}$ : 2179.9/5

Left In: 0.789+/-0.008  $\chi^2/\text{NDF}$ : 2179.9/5

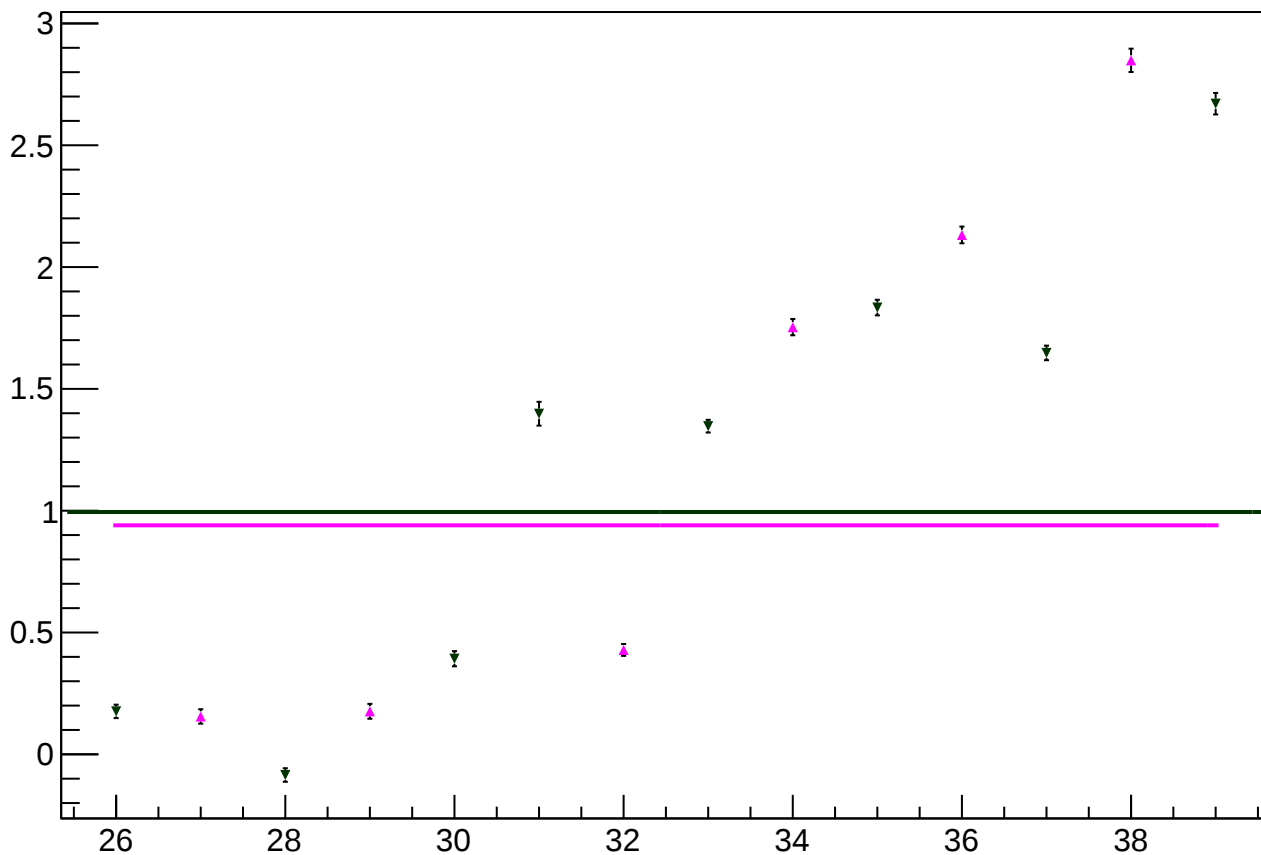
reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 3.980+/-0.065  $\chi^2/\text{NDF}$ : 613.4/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 3.451+/-0.060  $\chi^2/\text{NDF}$ : 832.5/5

3.980+/-0.065  $\chi^2/\text{NDF}$ : 613.4/7  
 3.451+/-0.060  $\chi^2/\text{NDF}$ : 832.5/5

reg\_asym\_bcm\_an\_ds\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.995+/-0.011  $\chi^2/\text{NDF}$ : 5605.8/7

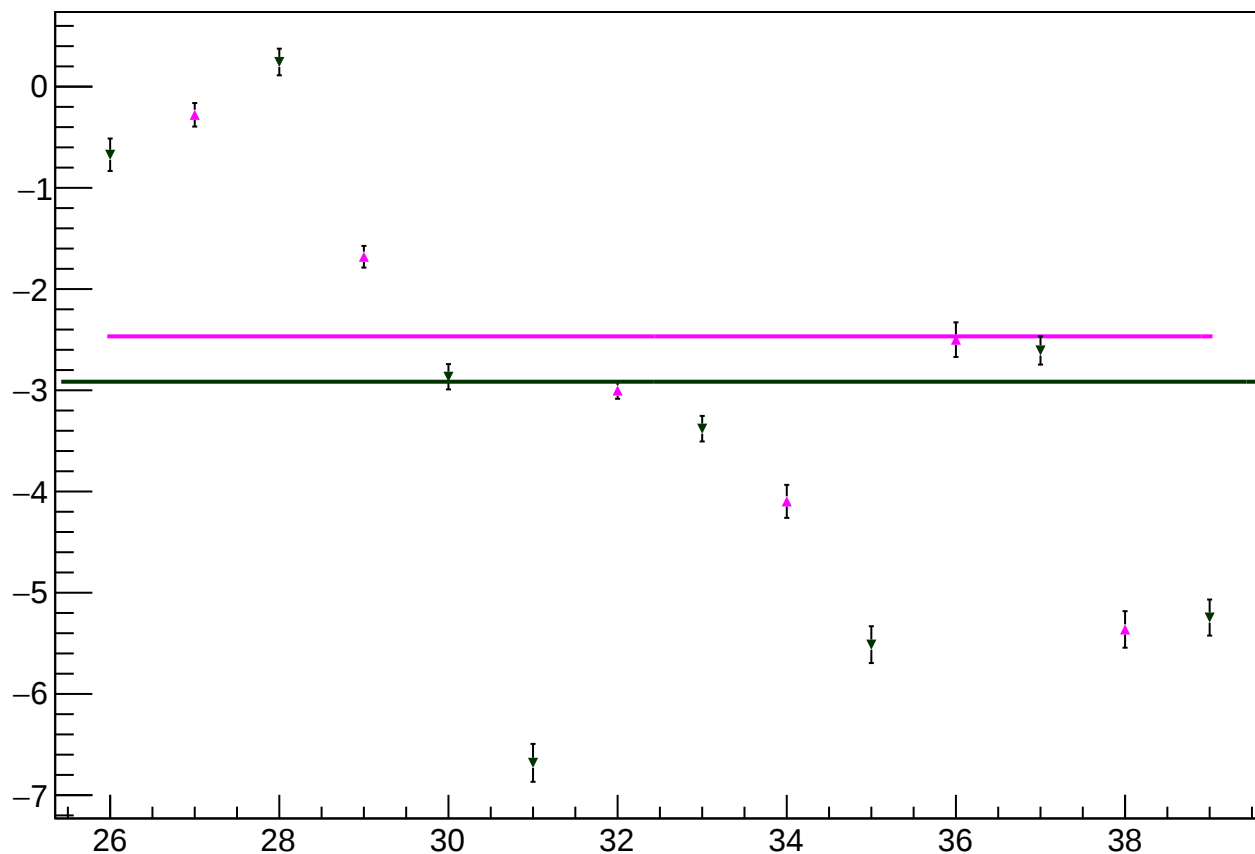
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.940+/-0.013  $\chi^2/\text{NDF}$ : 5150.8/5

0.995+/-0.011  $\chi^2/\text{NDF}$ : 5605.8/7

0.940+/-0.013  $\chi^2/\text{NDF}$ : 5150.8/5

reg\_asym\_bcm\_an\_us\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -2.915+/-0.052  $\chi^2/\text{NDF}$ : 1569.6/7

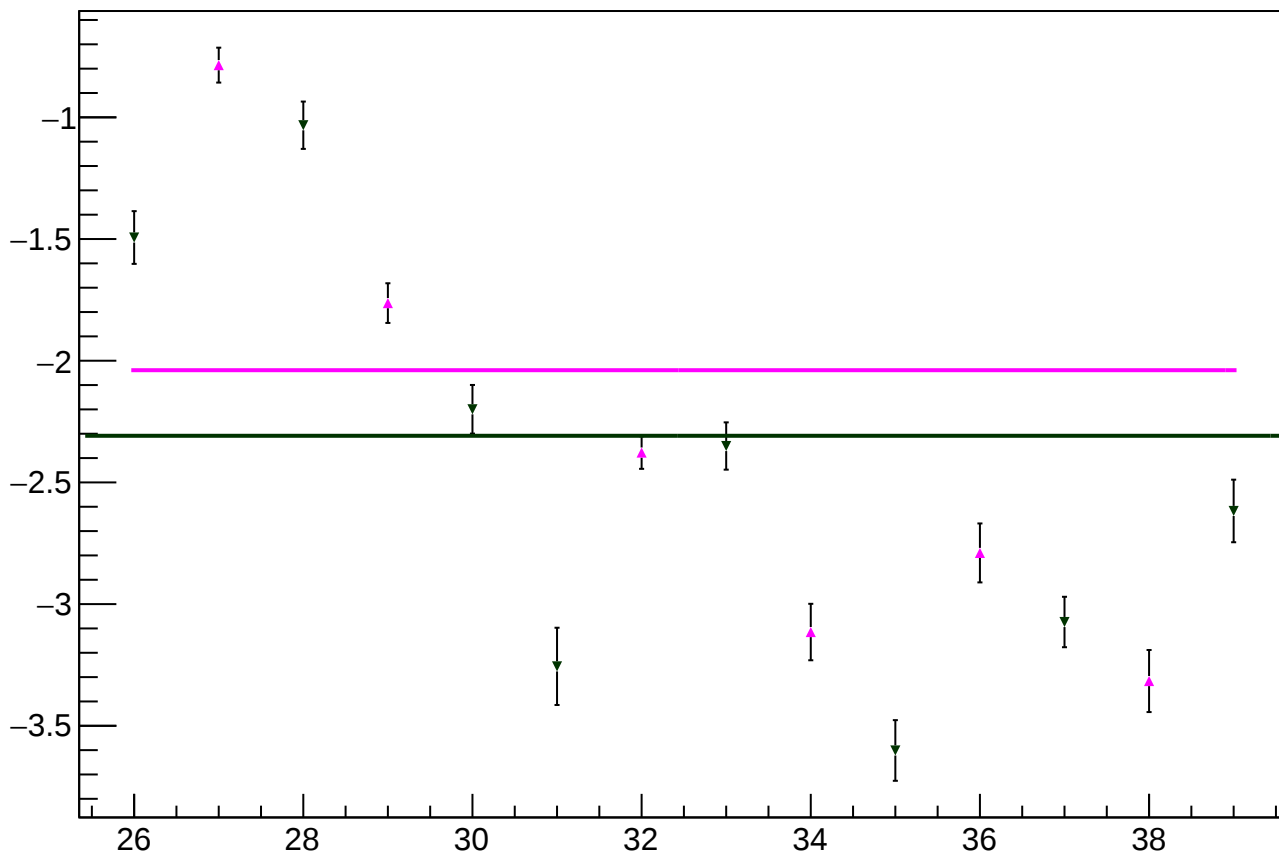
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.467+/-0.049  $\chi^2/\text{NDF}$ : 809.4/5

-2.915+/-0.052  $\chi^2/\text{NDF}$ : 1569.6/7

-2.467+/-0.049  $\chi^2/\text{NDF}$ : 809.4/5

reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -2.308 $\pm$ 0.039  $\chi^2$ /NDF:433.7/7

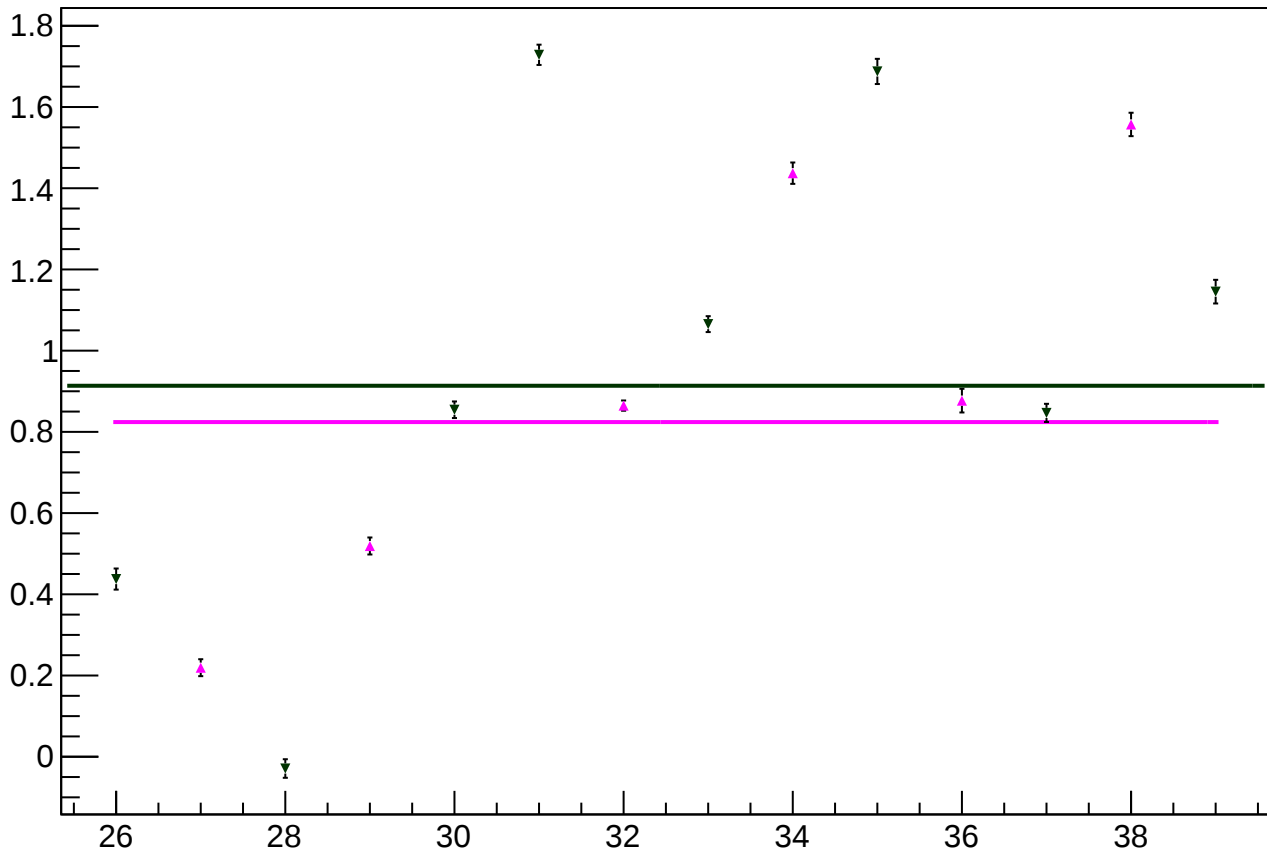
-2.308 $\pm$ 0.039  $\chi^2$ /NDF: 433.7/7

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

-2.039 $\pm$ 0.036  $\chi^2$ /NDF: 567.2/5

Left In: -2.039 $\pm$ 0.036  $\chi^2$ /NDF:567.2/5

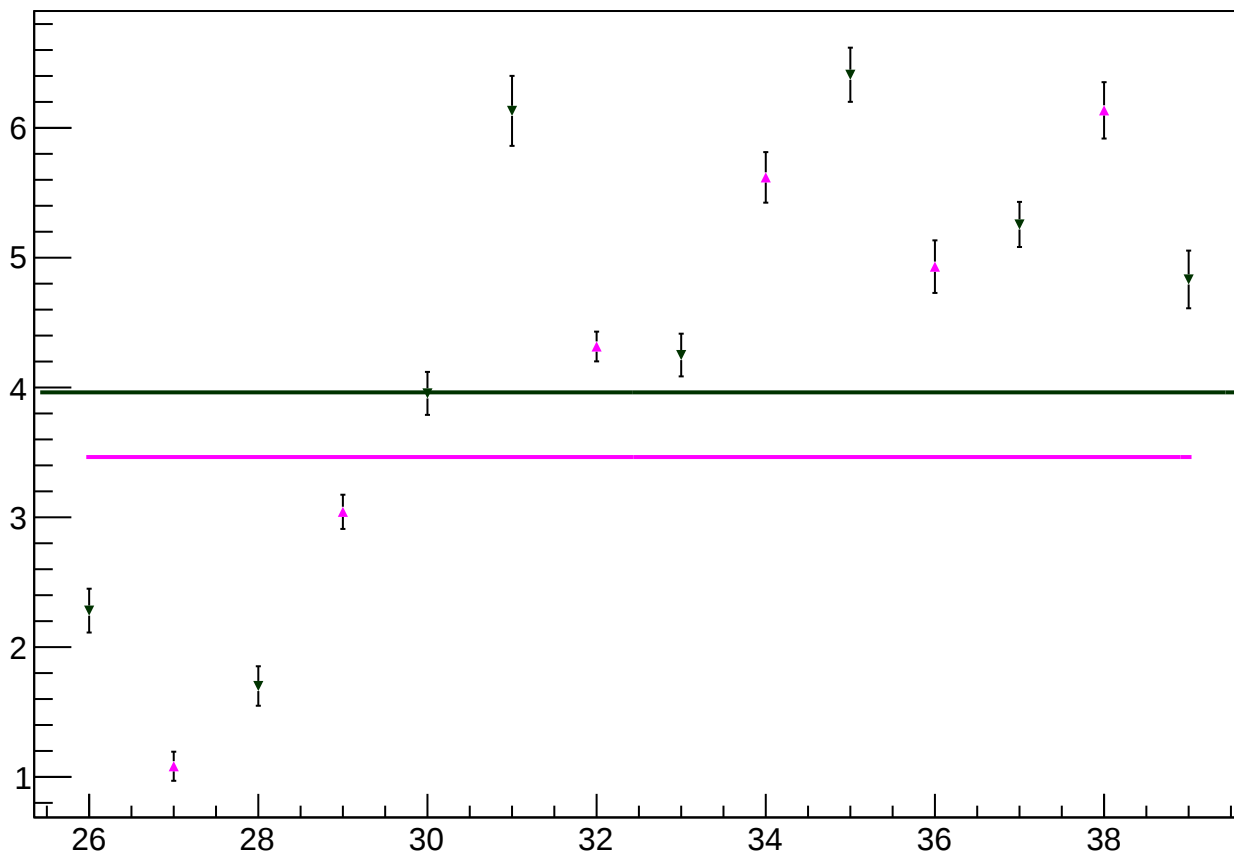
reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.914+/-0.008  $\chi^2/\text{NDF}$ : 3862.3/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.824+/-0.008  $\chi^2/\text{NDF}$ : 2257.9/5

0.914+/-0.008  $\chi^2/\text{NDF}$ : 3862.3/7  
 0.824+/-0.008  $\chi^2/\text{NDF}$ : 2257.9/5

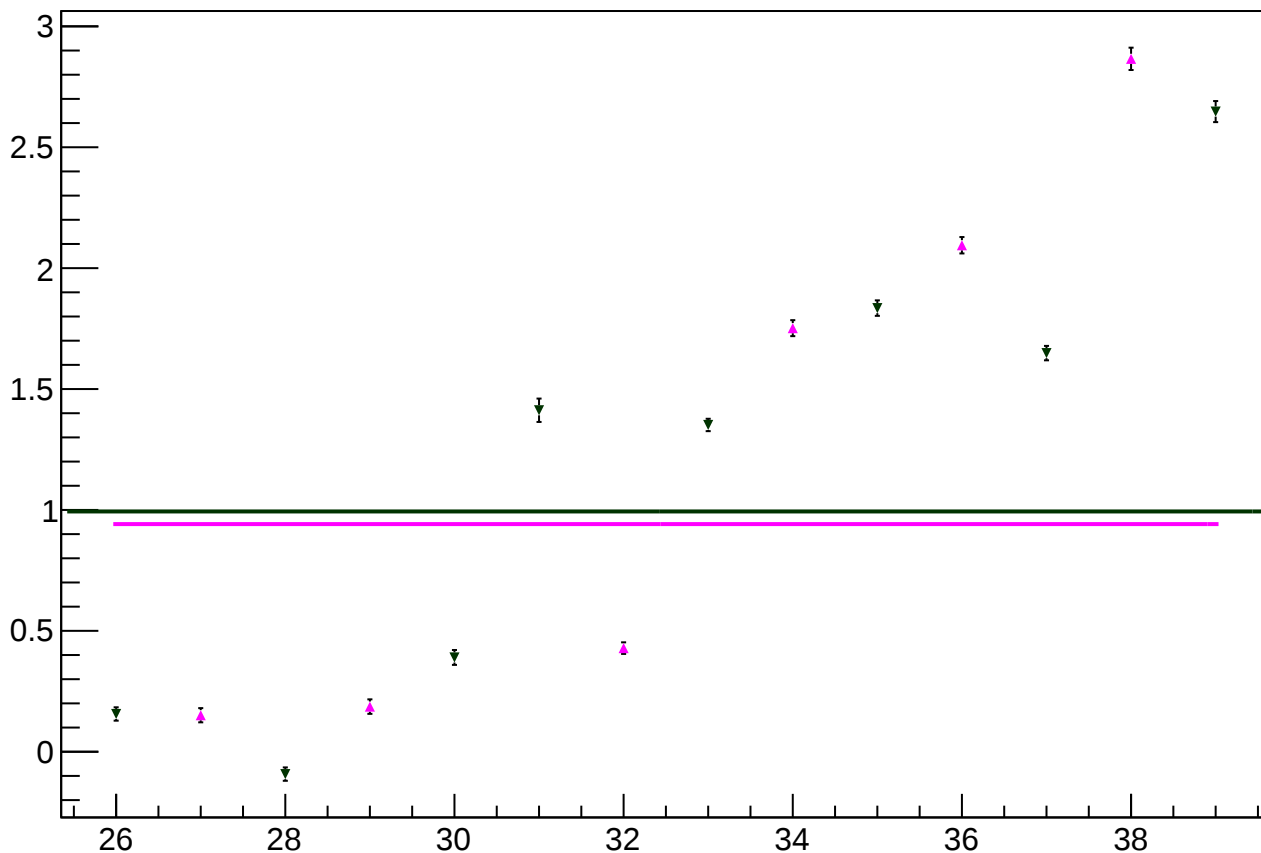
reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left Out: 3.963 $\pm$ 0.064  $\chi^2$ /NDF:596.5/7  
 Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left In: 3.464 $\pm$ 0.059  $\chi^2$ /NDF:843.7/5

3.963 $\pm$ 0.064  $\chi^2$ /NDF: 596.5/7  
 3.464 $\pm$ 0.059  $\chi^2$ /NDF: 843.7/5

reg\_asym\_bcm\_an\_us\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.994+/-0.011  $\chi^2/\text{NDF}$ : 5724.4/7

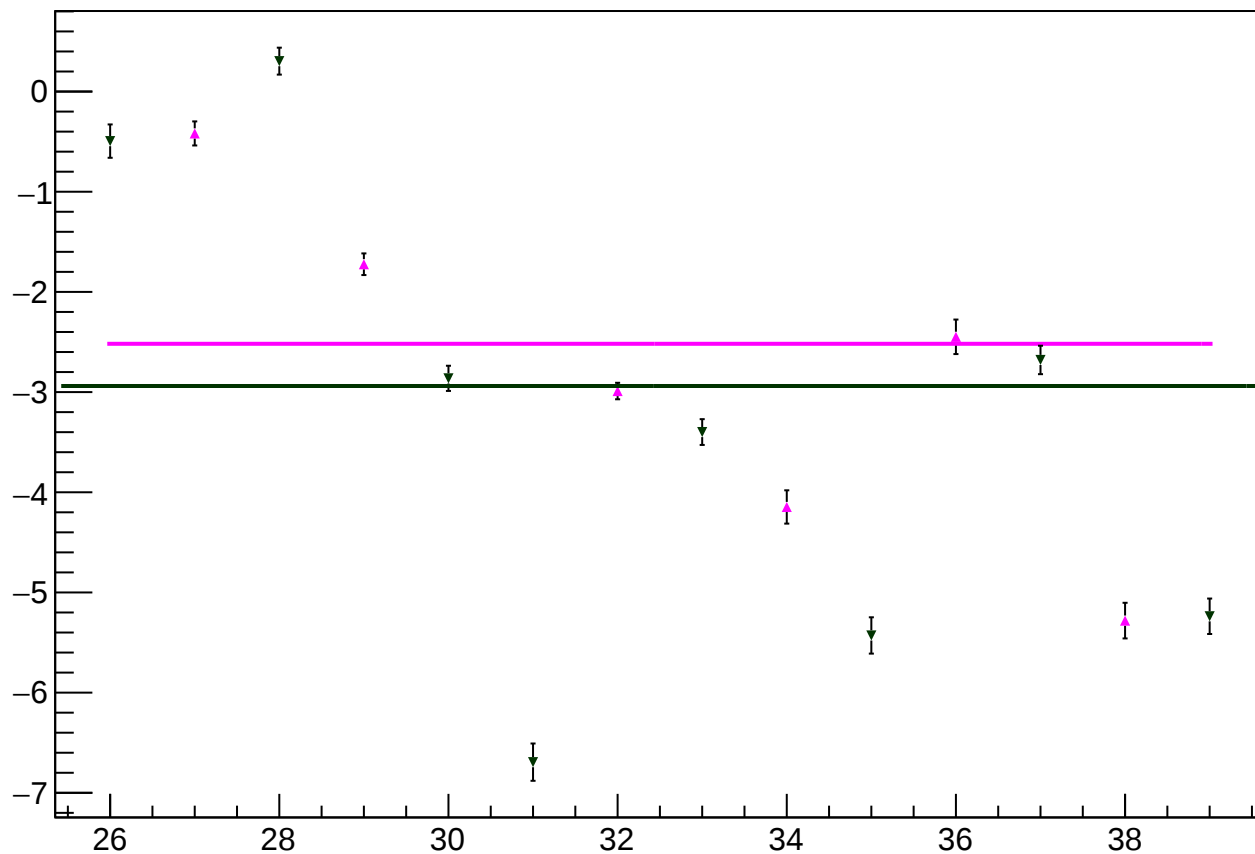
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.941+/-0.013  $\chi^2/\text{NDF}$ : 5310.4/5

0.994+/-0.011  $\chi^2/\text{NDF}$ : 5724.4/7

0.941+/-0.013  $\chi^2/\text{NDF}$ : 5310.4/5

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -2.939+/-0.053  $\chi^2/\text{NDF}$ : 1578.2/7

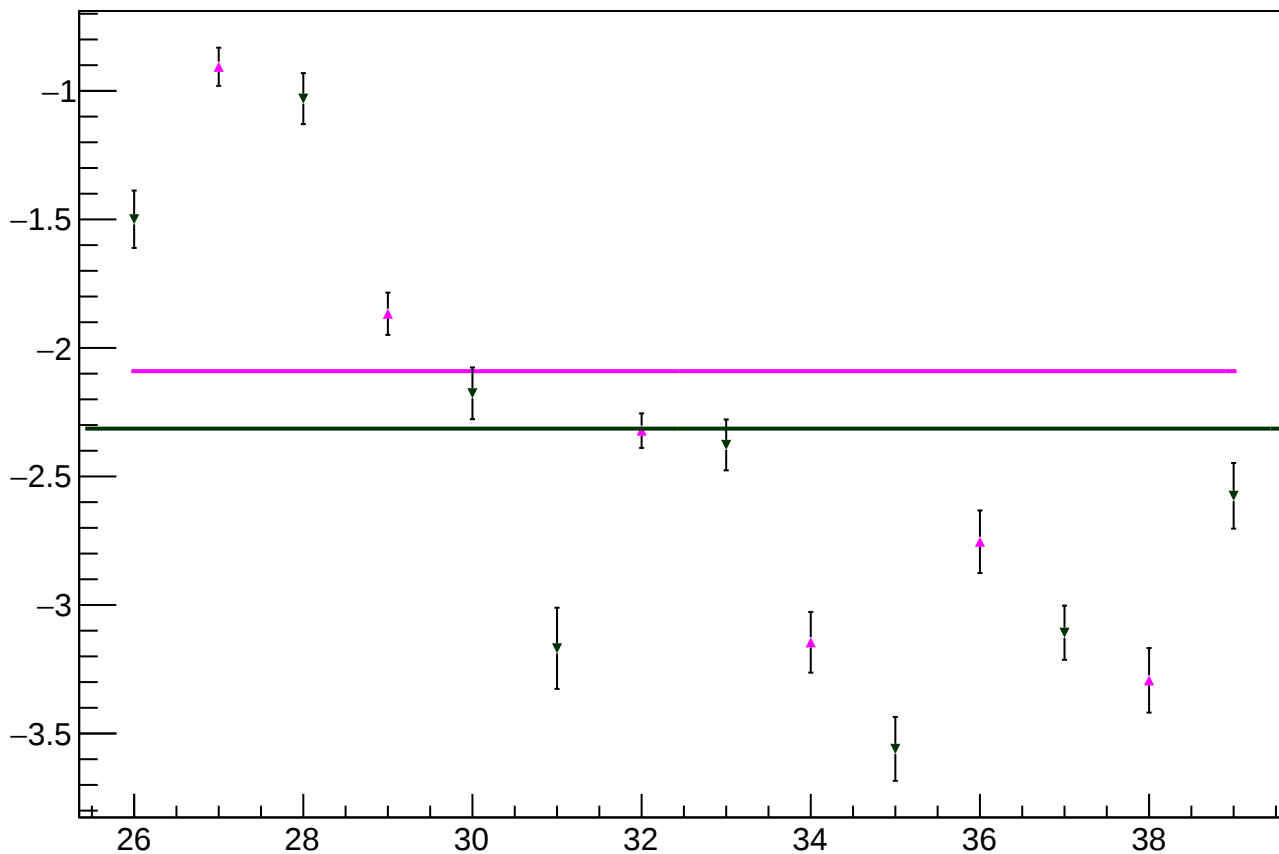
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.518+/-0.050  $\chi^2/\text{NDF}$ : 730.1/5

-2.939+/-0.053  $\chi^2/\text{NDF}$ : 1578.2/7

-2.518+/-0.050  $\chi^2/\text{NDF}$ : 730.1/5

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -2.314+/-0.040  $\chi^2/\text{NDF}$ : 413.5/7

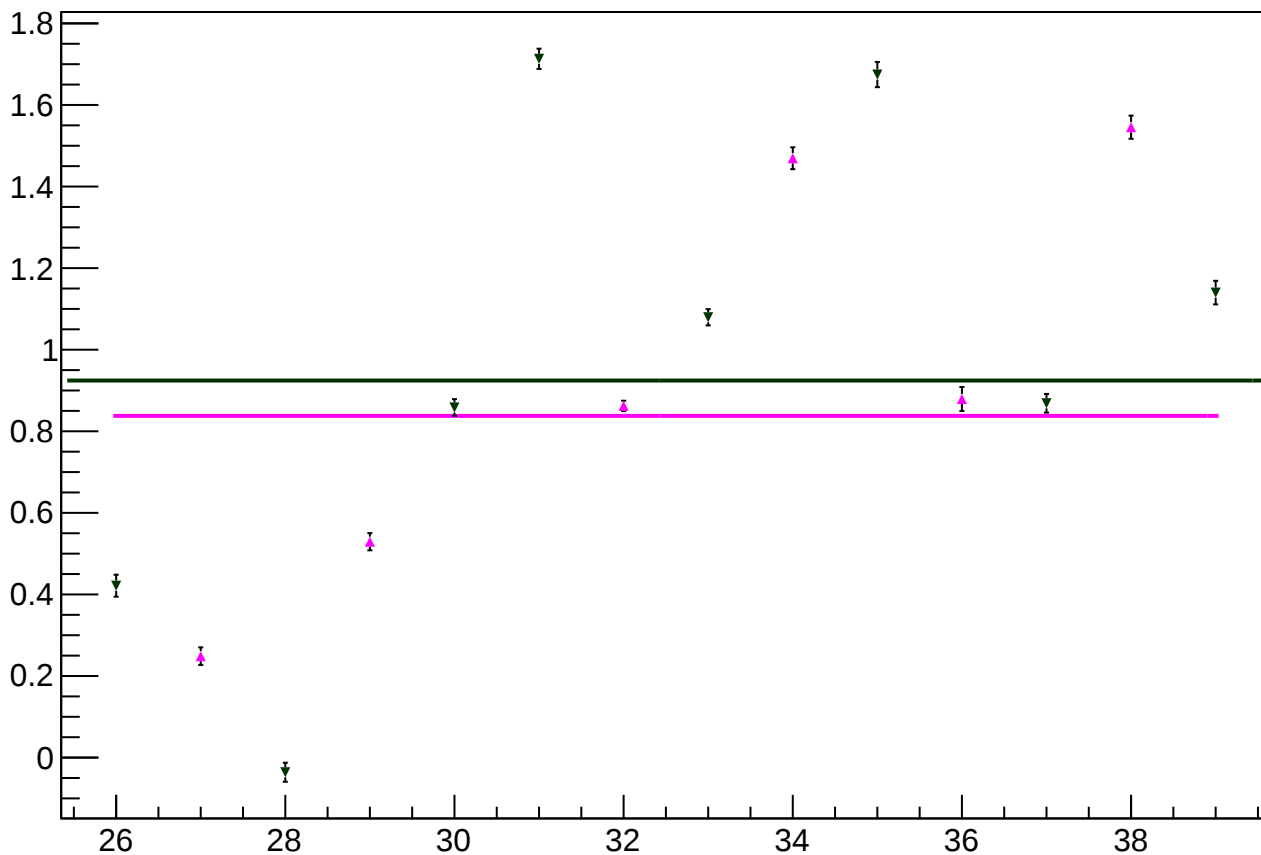
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.090+/-0.036  $\chi^2/\text{NDF}$ : 474.5/5

-2.314+/-0.040  $\chi^2/\text{NDF}$ : 413.5/7

-2.090+/-0.036  $\chi^2/\text{NDF}$ : 474.5/5

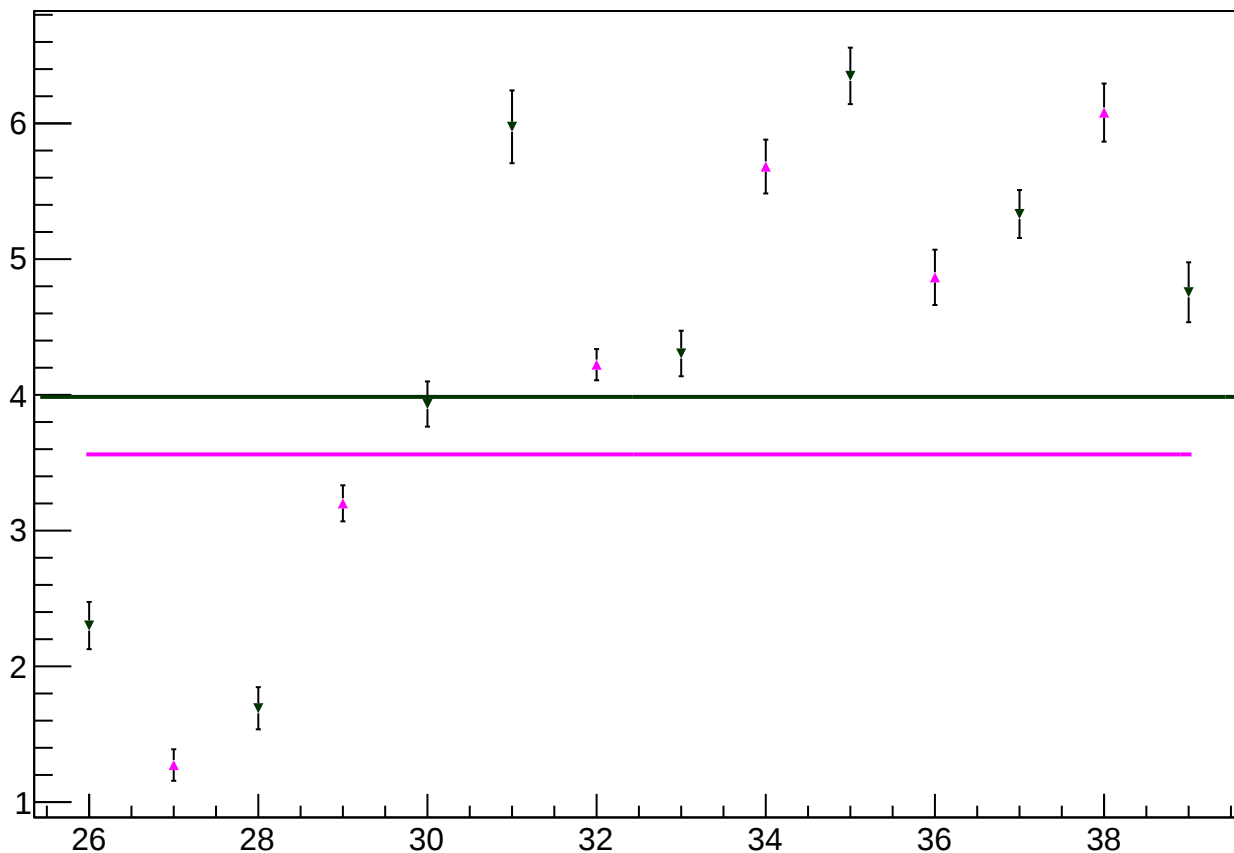
# reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Left Out: 0.924 $\pm$ 0.008  $\chi^2$ /NDF:3764.5/7  
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Left In: 0.838 $\pm$ 0.008  $\chi^2$ /NDF:2140.9/5

0.924 $\pm$ 0.008  $\chi^2$ /NDF: 3764.5/7  
0.838 $\pm$ 0.008  $\chi^2$ /NDF: 2140.9/5

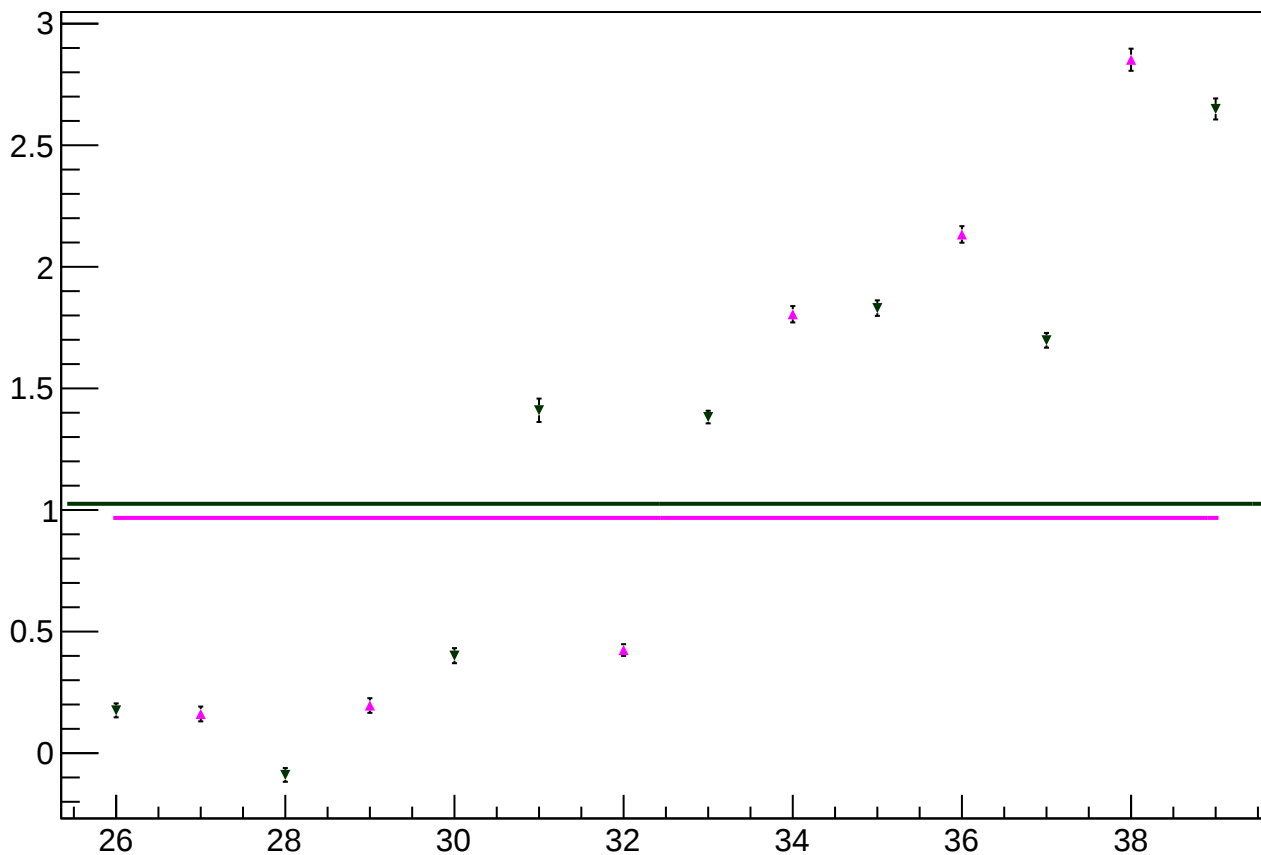
reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 3.985+/-0.065  $\chi^2/\text{NDF}$ : 570.6/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 3.562+/-0.060  $\chi^2/\text{NDF}$ : 723.0/5

3.985+/-0.065  $\chi^2/\text{NDF}$ : 570.6/7  
 3.562+/-0.060  $\chi^2/\text{NDF}$ : 723.0/5

reg\_asym\_bcm\_dg\_ds\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1.025+/-0.011  $\chi^2/\text{NDF}$ : 5626.8/7

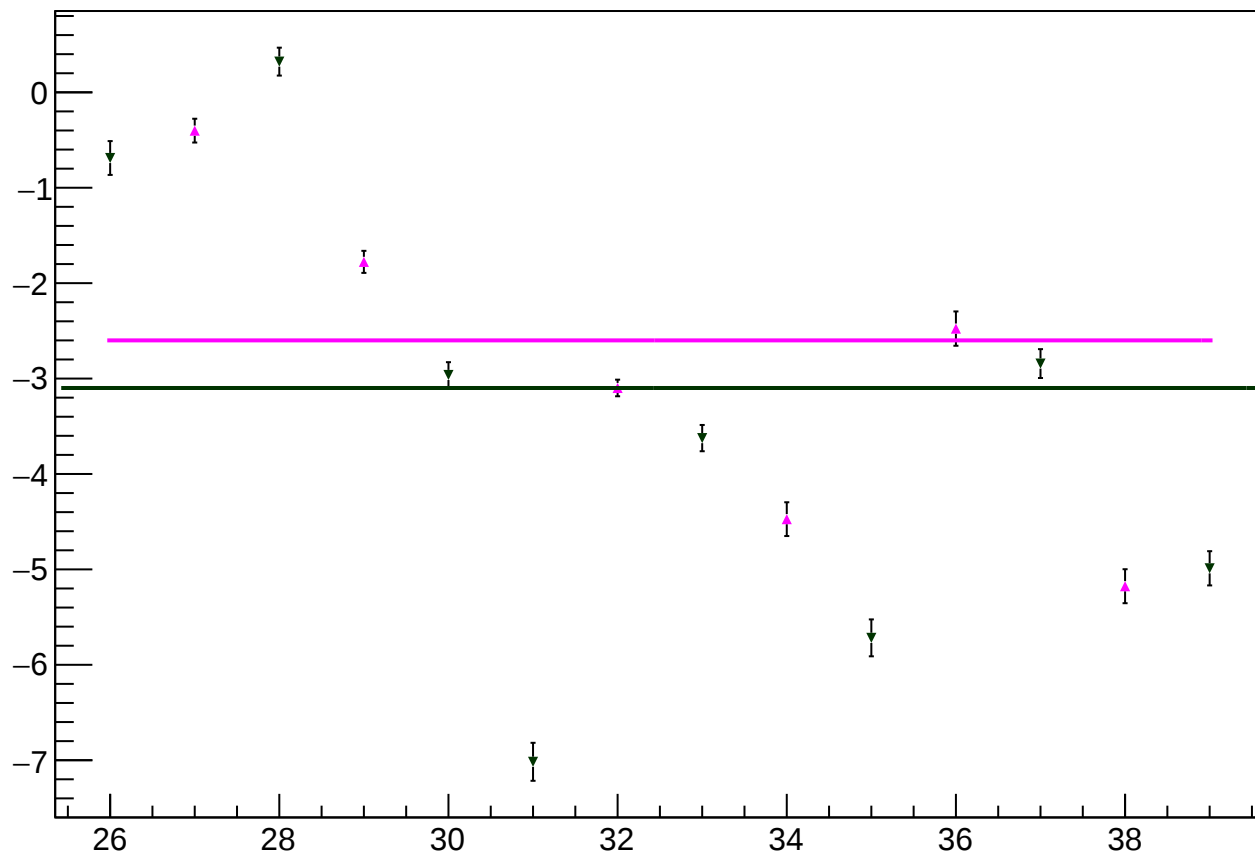
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.967+/-0.013  $\chi^2/\text{NDF}$ : 5371.0/5

1.025+/-0.011  $\chi^2/\text{NDF}$ : 5626.8/7

0.967+/-0.013  $\chi^2/\text{NDF}$ : 5371.0/5

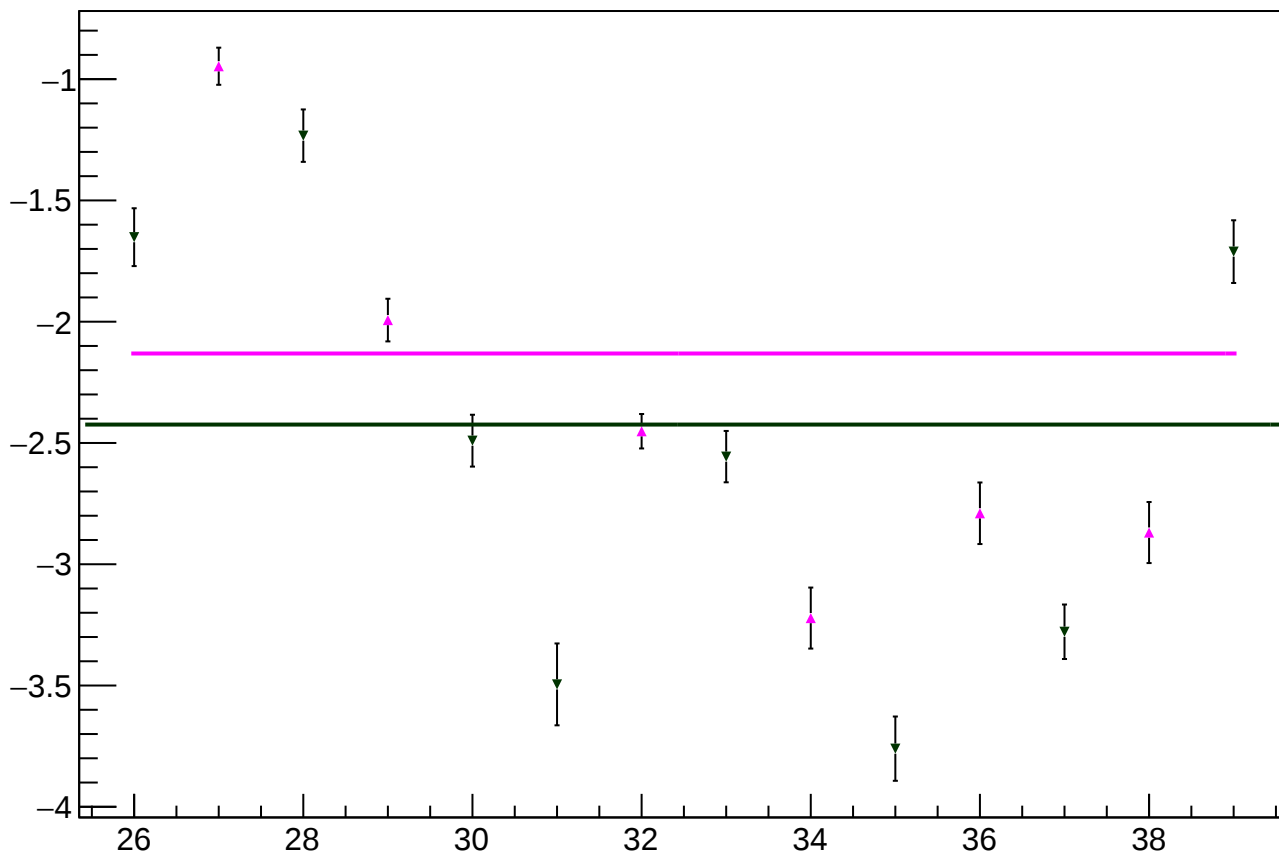
# reg\_asym\_bcm\_dg\_us\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: -3.099+/-0.056  $\chi^2/\text{NDF}$ : 1431.9/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: -2.600+/-0.052  $\chi^2/\text{NDF}$ : 716.3/5

-3.099+/-0.056  $\chi^2/\text{NDF}$ : 1431.9/7  
 -2.600+/-0.052  $\chi^2/\text{NDF}$ : 716.3/5

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -2.424+/-0.042  $\chi^2/\text{NDF}$ : 395.7/7

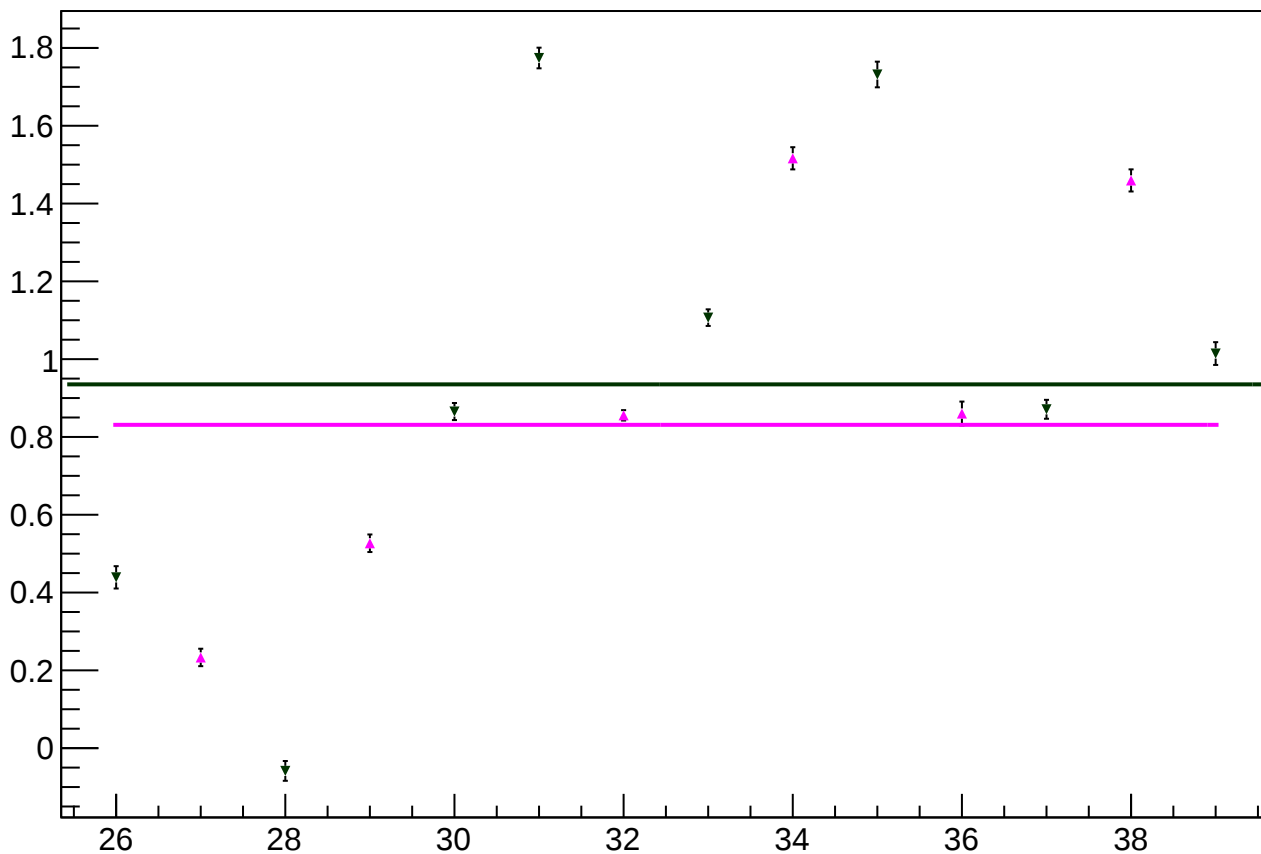
-2.424+/-0.042  $\chi^2/\text{NDF}$ : 395.7/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2.131+/-0.038  $\chi^2/\text{NDF}$ : 398.8/5

-2.131+/-0.038  $\chi^2/\text{NDF}$ : 398.8/5

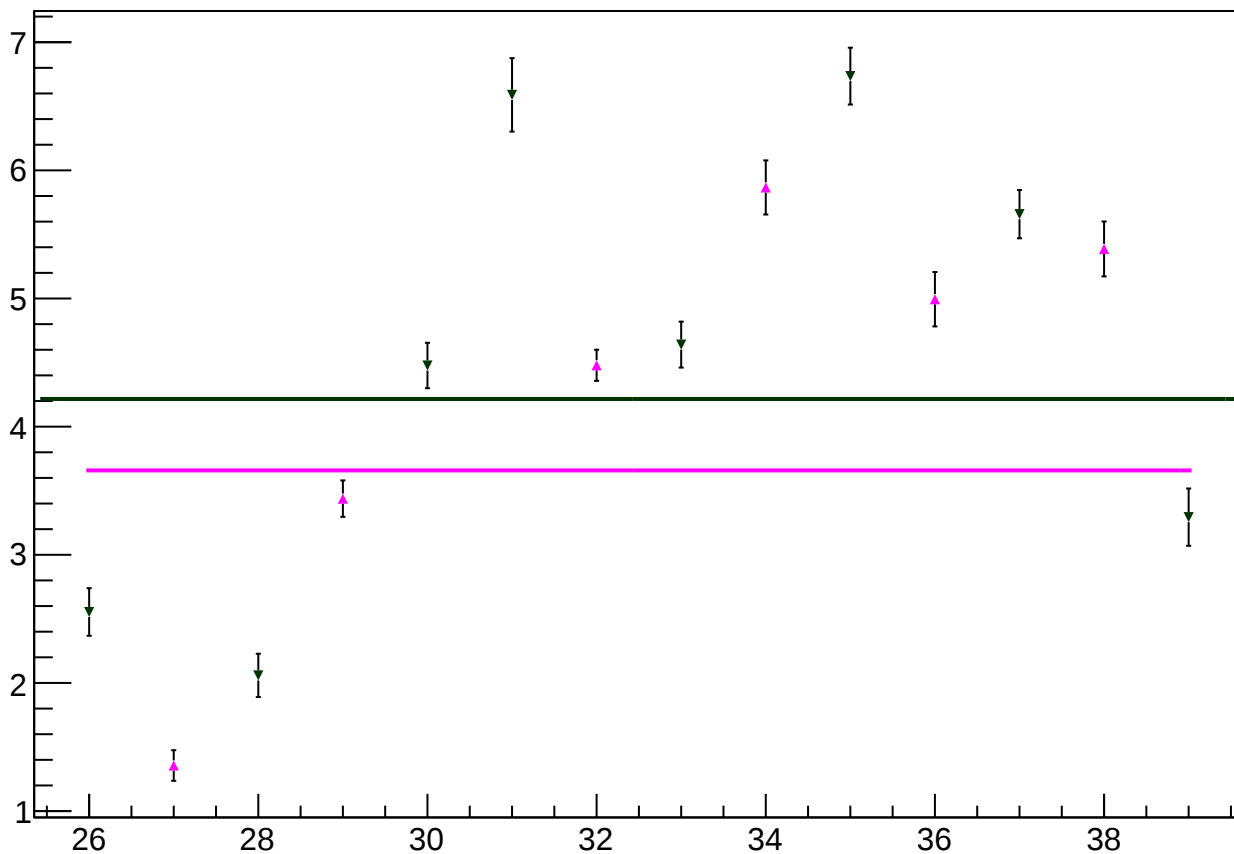
# reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left Out: 0.935 $\pm$ 0.009  $\chi^2$ /NDF:3494.9/7  
 Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left In: 0.831 $\pm$ 0.009  $\chi^2$ /NDF:1963.0/5

0.935 $\pm$ 0.009  $\chi^2$ /NDF: 3494.9/7  
 0.831 $\pm$ 0.009  $\chi^2$ /NDF: 1963.0/5

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs slug

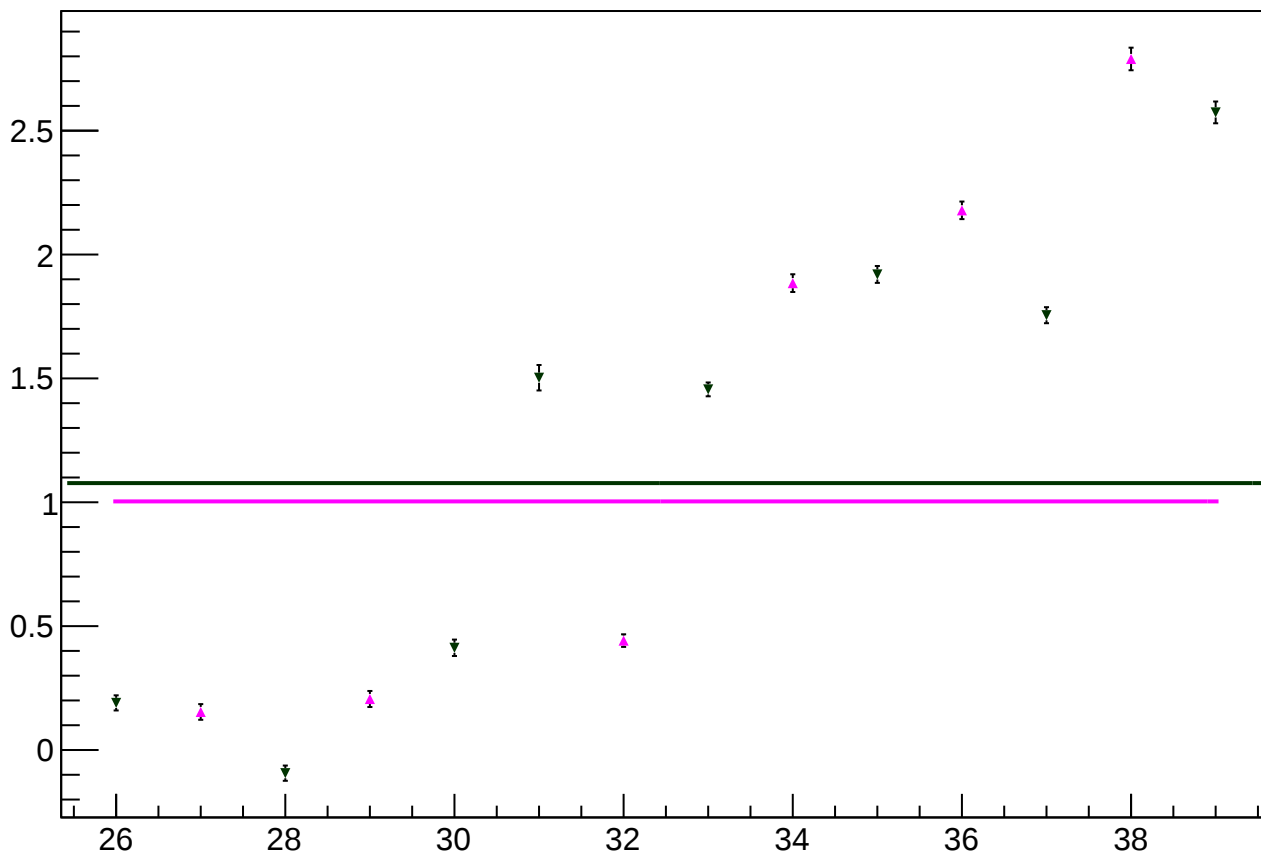


Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left Out: 4.216 $\pm$ 0.069  $\chi^2$ /NDF: 524.0/7  
 Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left In: 3.659 $\pm$ 0.063  $\chi^2$ /NDF: 633.6/5

4.216 $\pm$ 0.069  $\chi^2$ /NDF: 524.0/7

3.659 $\pm$ 0.063  $\chi^2$ /NDF: 633.6/5

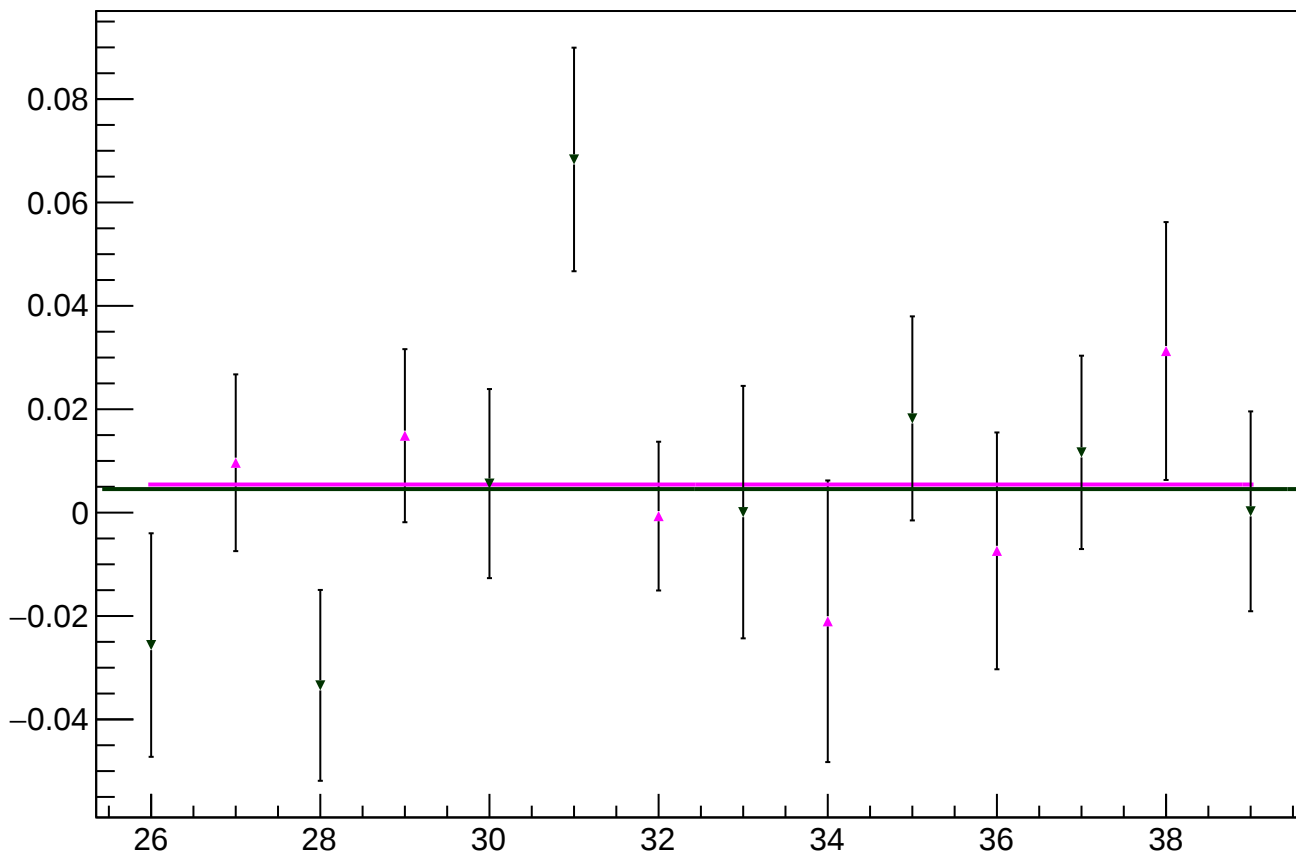
reg\_asym\_bcm\_dg\_us\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 1.077+/-0.012  $\chi^2/\text{NDF}$ : 5154.8/7  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 1.003+/-0.013  $\chi^2/\text{NDF}$ : 5054.4/5

1.077+/-0.012  $\chi^2/\text{NDF}$ : 5154.8/7  
 1.003+/-0.013  $\chi^2/\text{NDF}$ : 5054.4/5

reg\_bcm\_an\_us\_ds3\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.005+/-0.007  $\chi^2/\text{NDF}$ :15.6/7

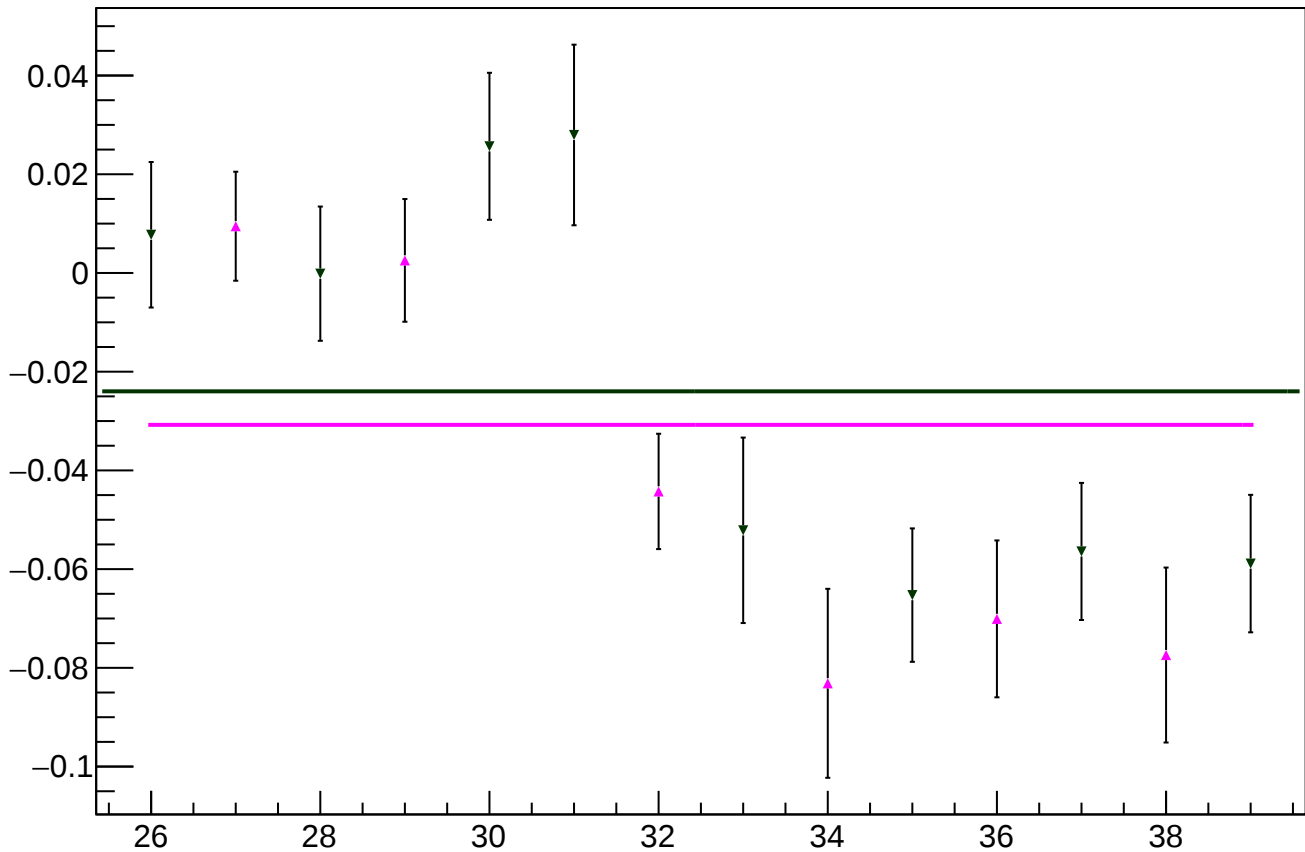
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.005+/-0.008  $\chi^2/\text{NDF}$ :2.9/5

0.005+/-0.007  $\chi^2/\text{NDF}$ : 15.6/7

0.005+/-0.008  $\chi^2/\text{NDF}$ : 2.9/5

reg\_bcm\_an\_us\_ds3\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.024+/-0.005  $\chi^2/\text{NDF}$ : 50.2/7

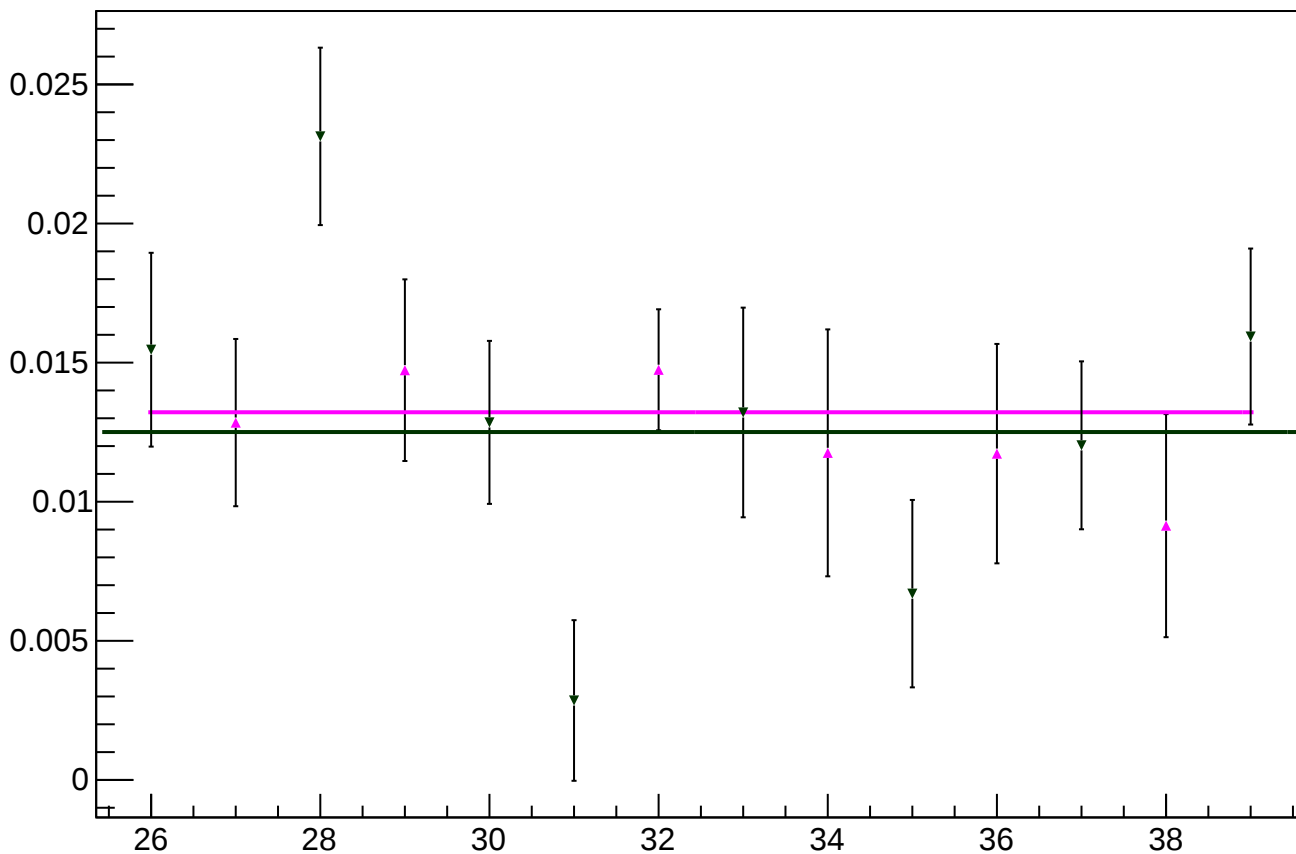
-0.024+/-0.005  $\chi^2/\text{NDF}$ : 50.2/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.031+/-0.006  $\chi^2/\text{NDF}$ : 42.3/5

Left In: -0.031+/-0.006  $\chi^2/\text{NDF}$ : 42.3/5

reg\_bcm\_an\_us\_ds3\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.013+/-0.001  $\chi^2/\text{NDF}$ : 27.2/7

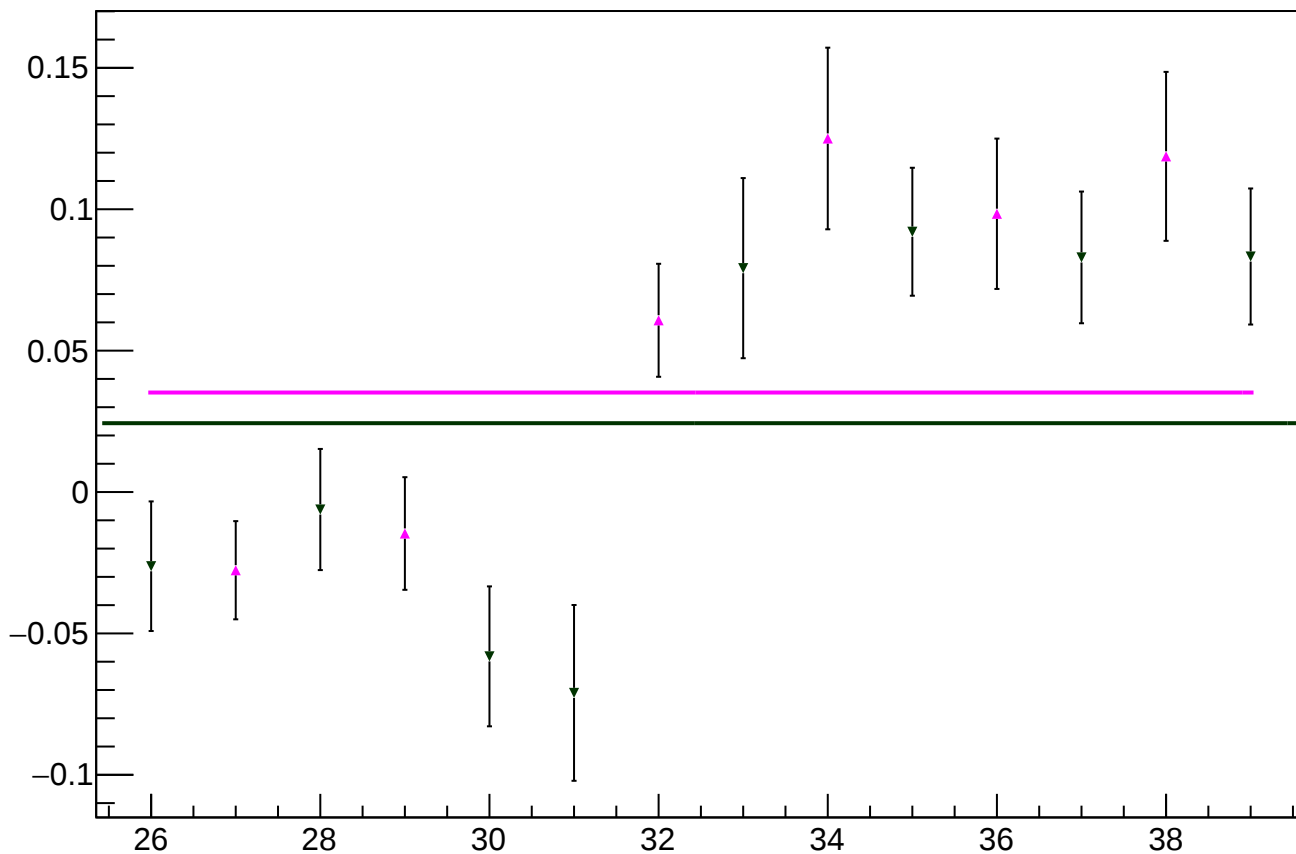
0.013+/-0.001  $\chi^2/\text{NDF}$ : 27.2/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

0.013+/-0.001  $\chi^2/\text{NDF}$ : 2.0/5

Left In: 0.013+/-0.001  $\chi^2/\text{NDF}$ : 2.0/5

reg\_bcm\_an\_us\_ds3\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.024+/-0.009  $\chi^2/\text{NDF}$ : 51.7/7

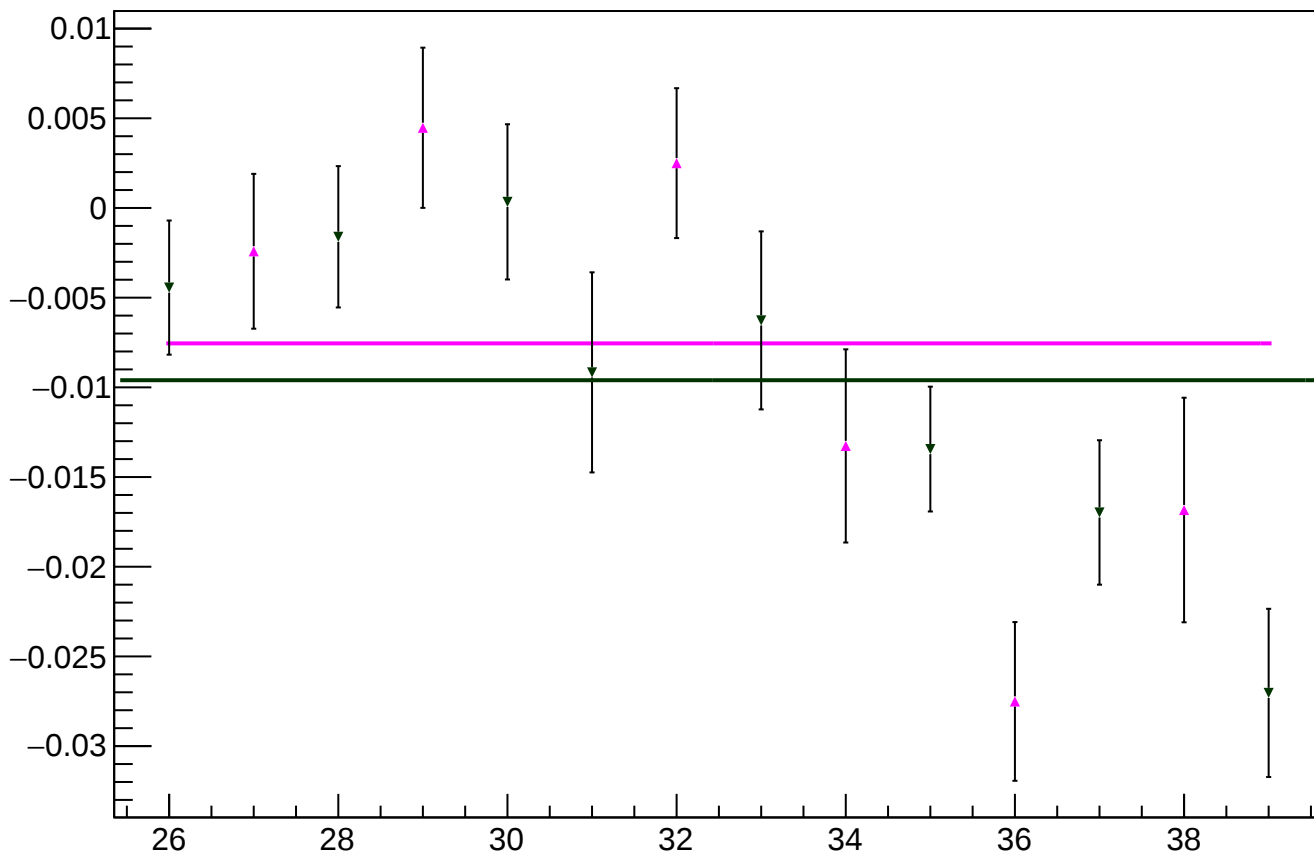
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.035+/-0.009  $\chi^2/\text{NDF}$ : 42.3/5

0.024+/-0.009  $\chi^2/\text{NDF}$ : 51.7/7

0.035+/-0.009  $\chi^2/\text{NDF}$ : 42.3/5

reg\_bcm\_an\_us\_ds3\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.010+/-0.001  $\chi^2/\text{NDF}$ : 30.2/7

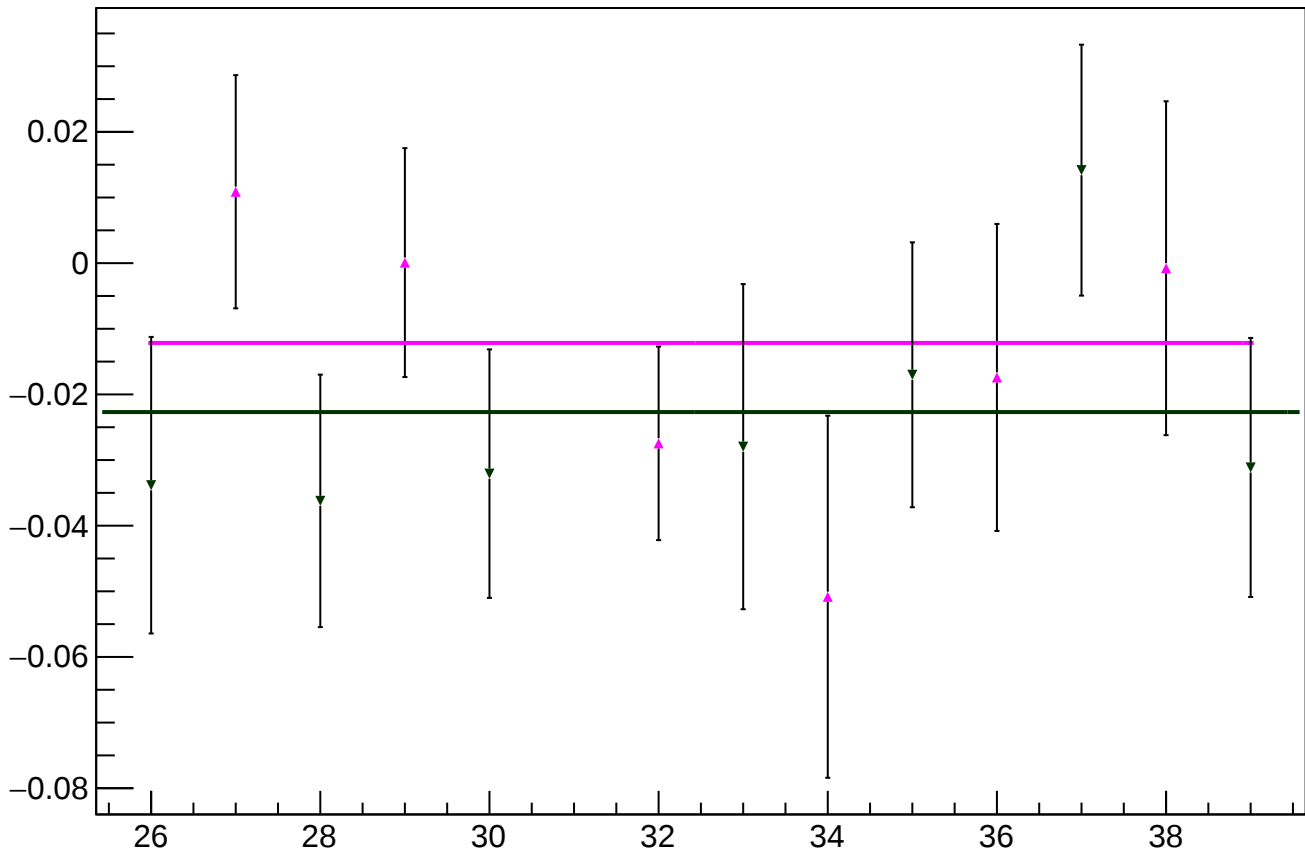
-0.010+/-0.001  $\chi^2/\text{NDF}$ : 30.2/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.008+/-0.002  $\chi^2/\text{NDF}$ : 38.1/5

Left In: -0.008+/-0.002  $\chi^2/\text{NDF}$ : 38.1/5

reg\_bcm\_an\_us\_ds\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.023+/-0.008  $\chi^2/\text{NDF}$ : 5.0/6

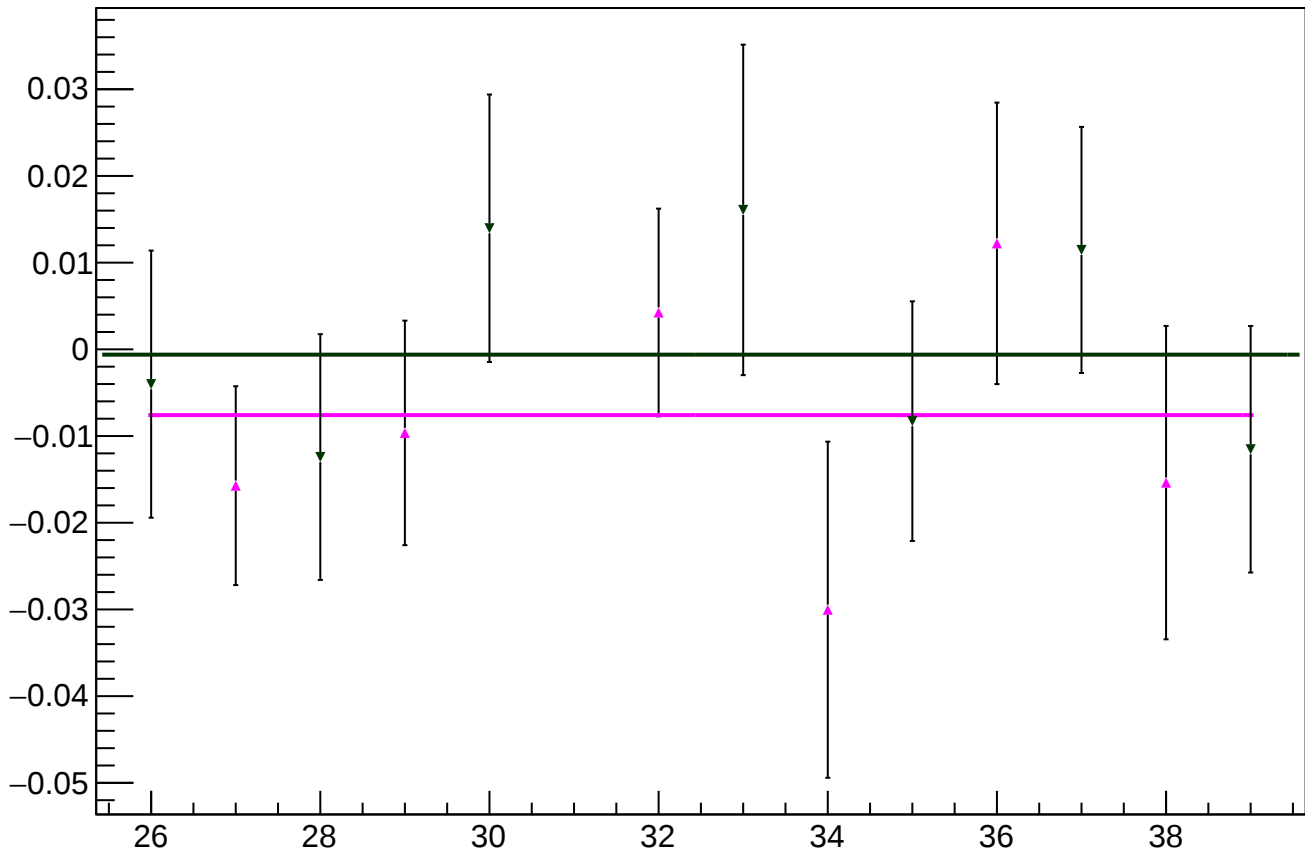
-0.023+/-0.008  $\chi^2/\text{NDF}$ : 5.0/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.012+/-0.008  $\chi^2/\text{NDF}$ : 5.5/5

Left In: -0.012+/-0.008  $\chi^2/\text{NDF}$ : 5.5/5

reg\_bcm\_an\_us\_ds\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.001+/-0.006  $\chi^2/\text{NDF}$ : 4.0/6

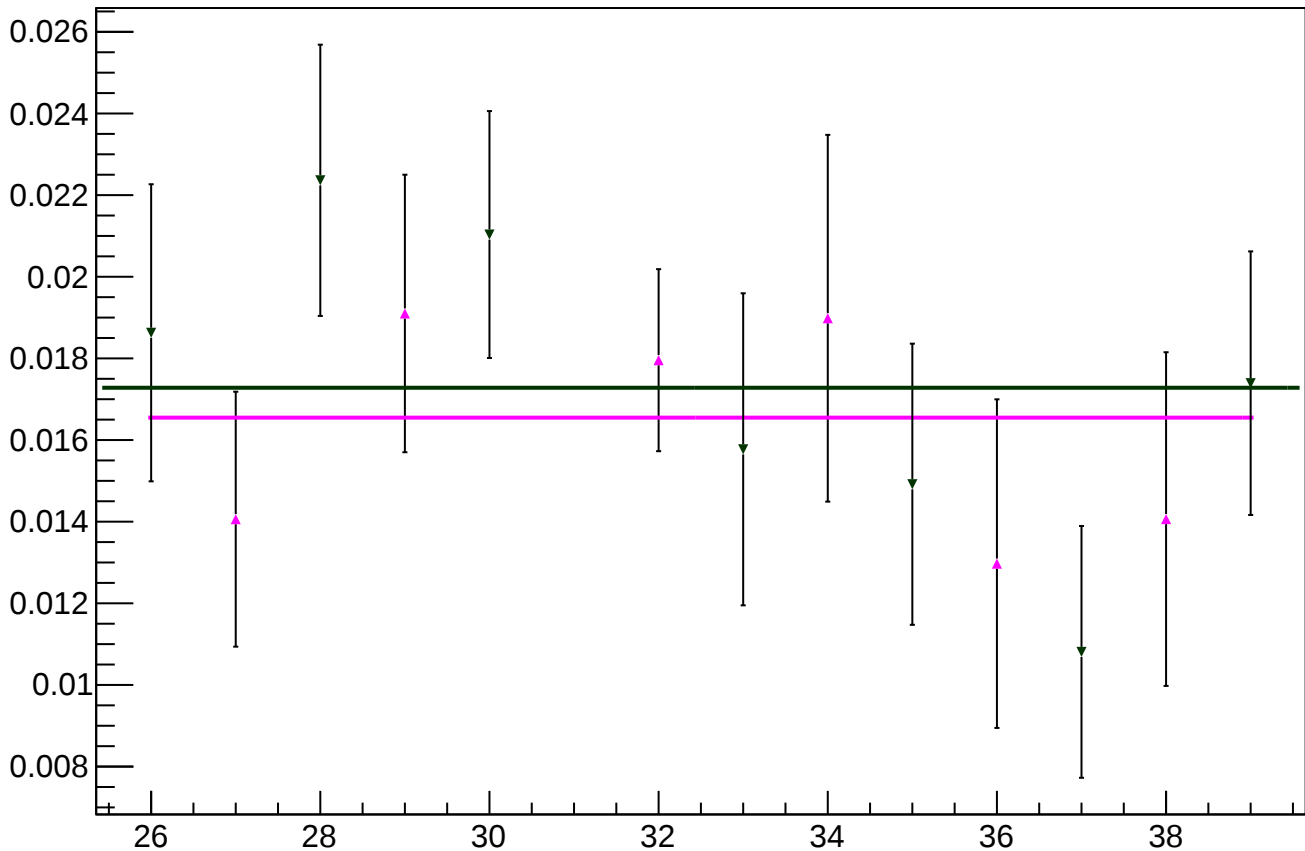
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.008+/-0.006  $\chi^2/\text{NDF}$ : 4.5/5

-0.001+/-0.006  $\chi^2/\text{NDF}$ : 4.0/6

-0.008+/-0.006  $\chi^2/\text{NDF}$ : 4.5/5

reg\_bcm\_an\_us\_ds\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.017+/-0.001  $\chi^2/\text{NDF}$ : 9.0/6

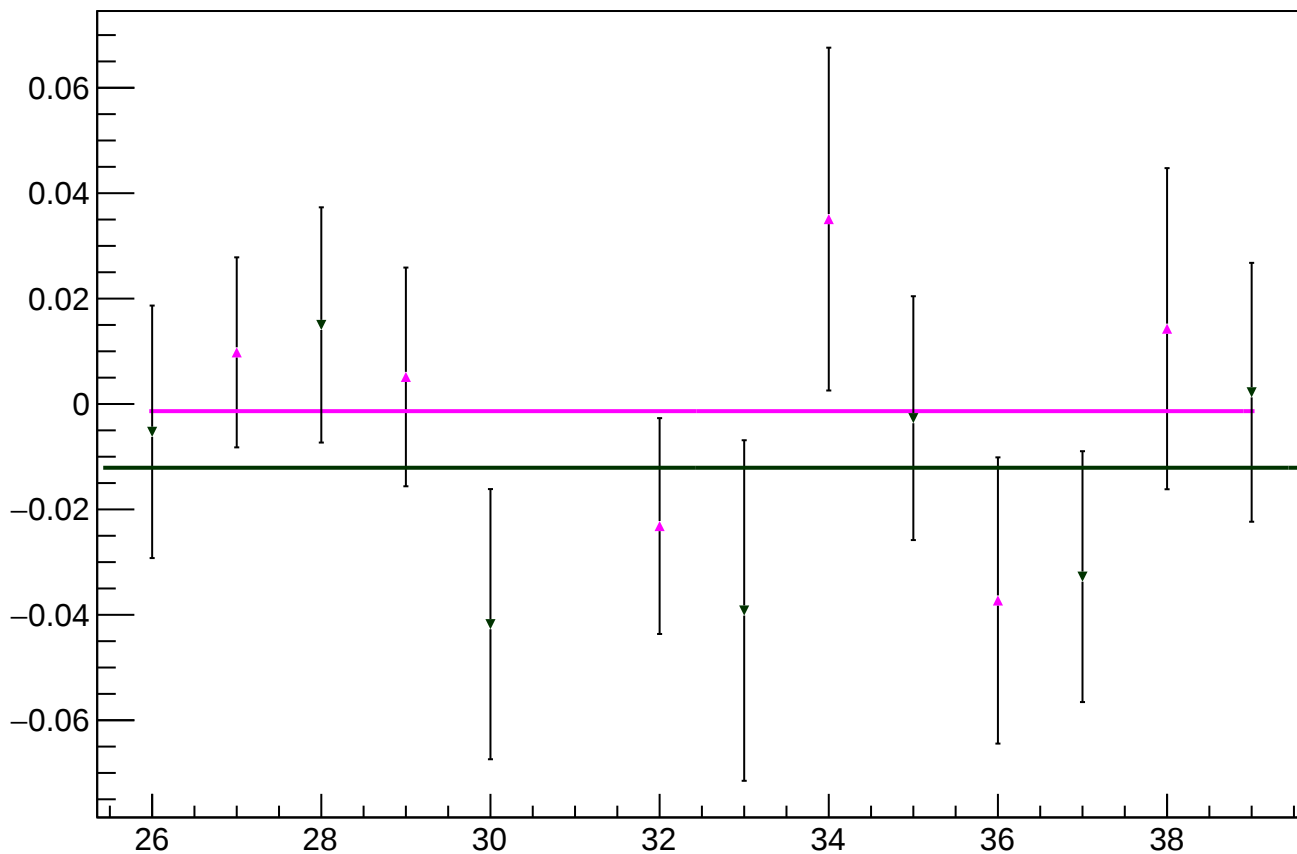
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.017+/-0.001  $\chi^2/\text{NDF}$ : 3.0/5

0.017+/-0.001  $\chi^2/\text{NDF}$ : 9.0/6

0.017+/-0.001  $\chi^2/\text{NDF}$ : 3.0/5

reg\_bcm\_an\_us\_ds\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.012+/-0.009  $\chi^2/\text{NDF}$ : 4.9/6

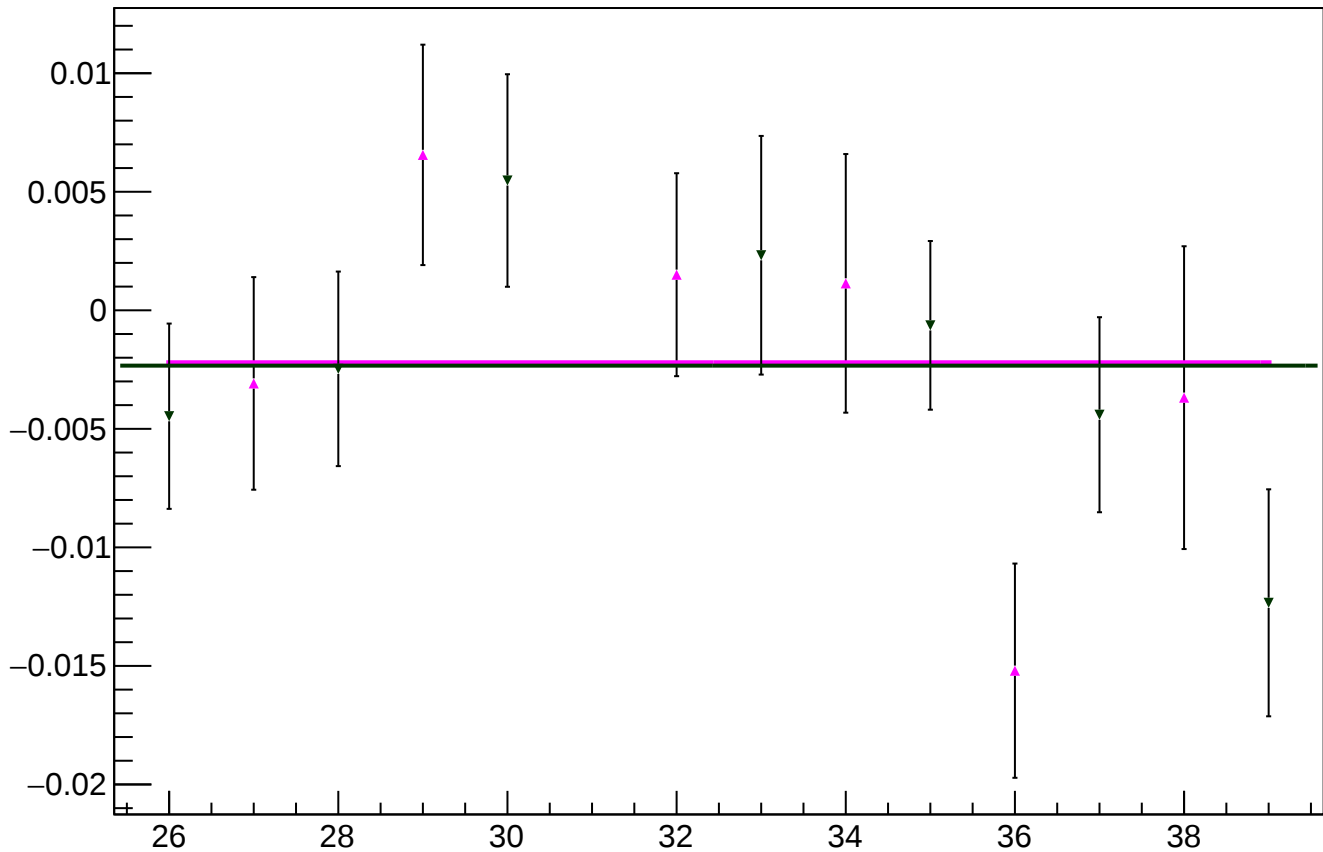
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.001+/-0.009  $\chi^2/\text{NDF}$ : 4.9/5

-0.012+/-0.009  $\chi^2/\text{NDF}$ : 4.9/6

-0.001+/-0.009  $\chi^2/\text{NDF}$ : 4.9/5

reg\_bcm\_an\_us\_ds\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.002+/-0.002  $\chi^2/\text{NDF}$ : 9.0/6

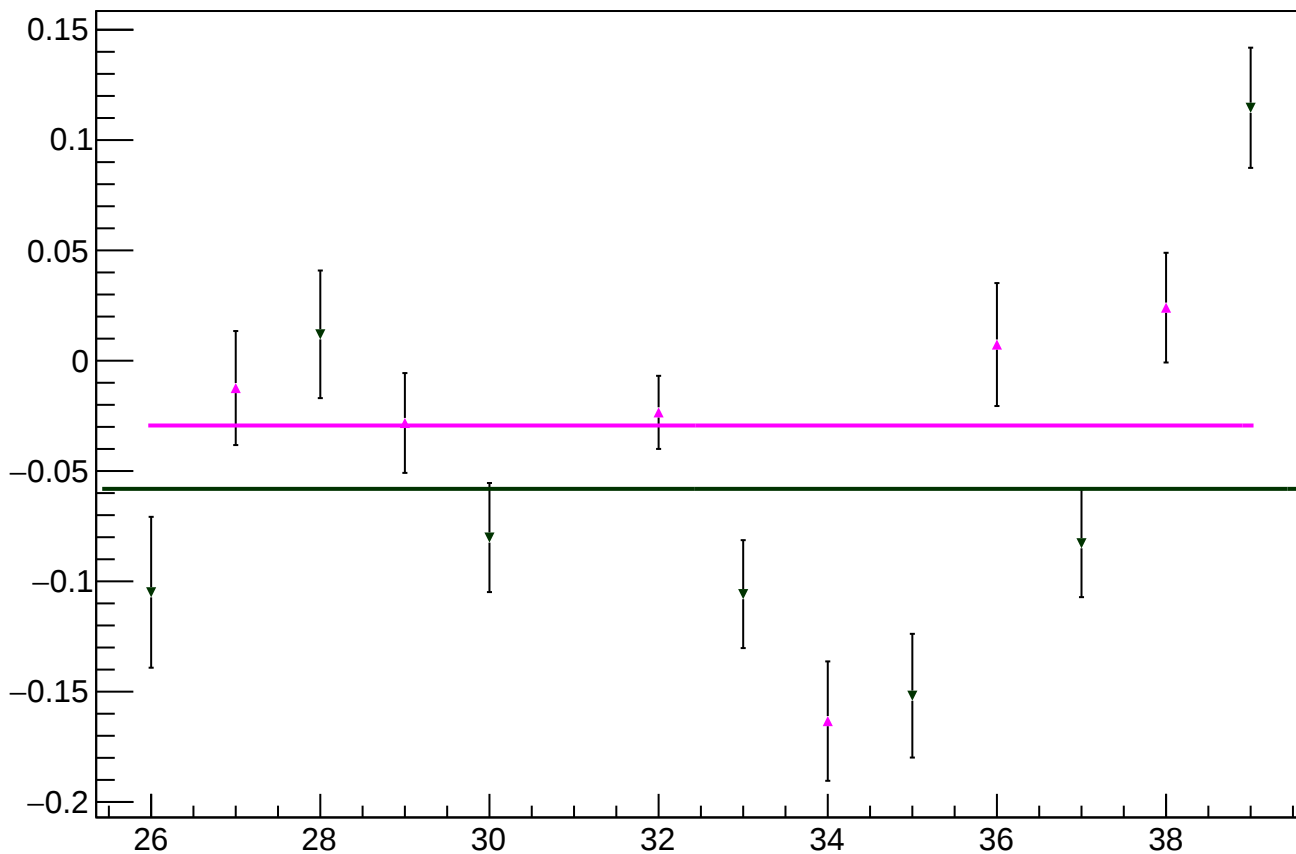
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.002+/-0.002  $\chi^2/\text{NDF}$ : 13.0/5

-0.002+/-0.002  $\chi^2/\text{NDF}$ : 9.0/6

-0.002+/-0.002  $\chi^2/\text{NDF}$ : 13.0/5

reg\_bcm\_dg\_us\_dg\_ds\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.058+/-0.010  $\chi^2/\text{NDF}$ : 64.7/6

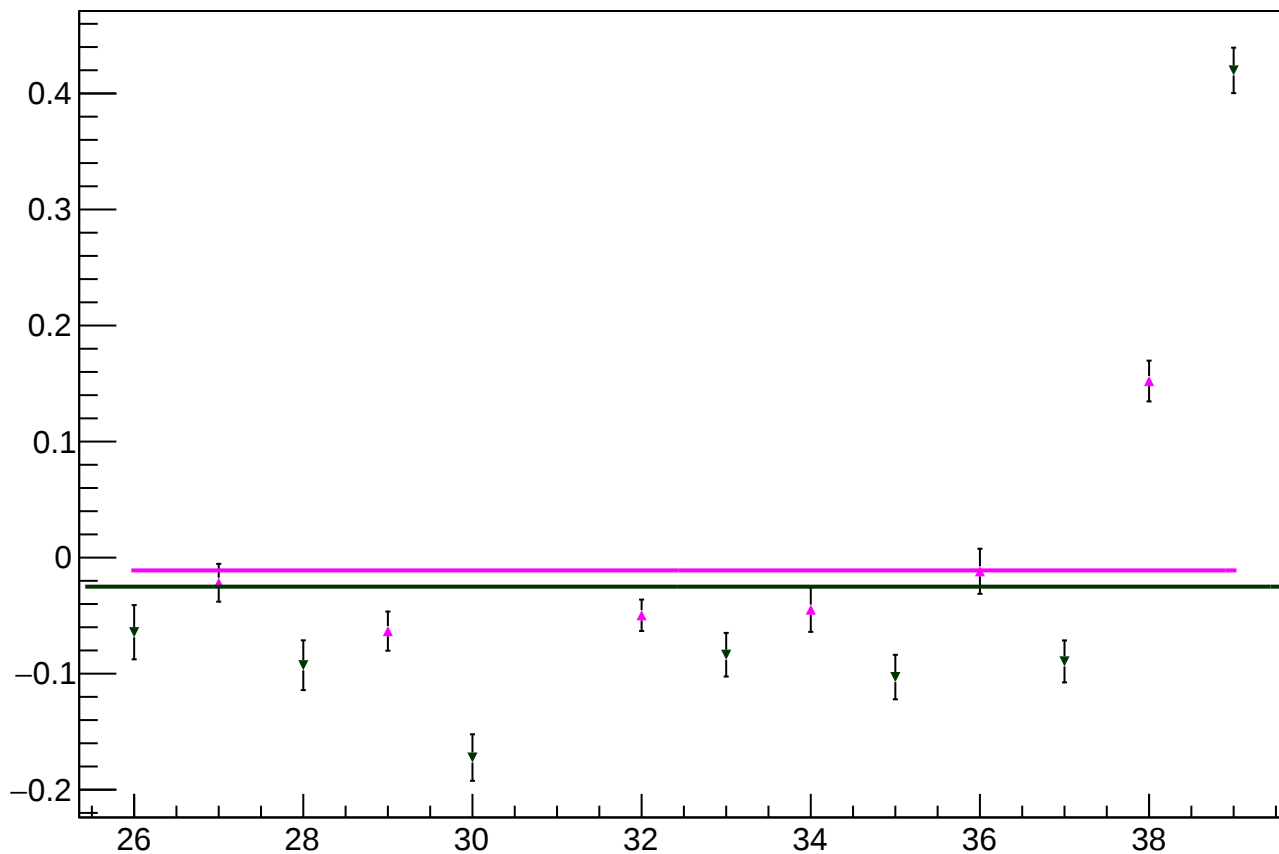
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.029+/-0.009  $\chi^2/\text{NDF}$ : 31.4/5

-0.058+/-0.010  $\chi^2/\text{NDF}$ : 64.7/6

-0.029+/-0.009  $\chi^2/\text{NDF}$ : 31.4/5

reg\_bcm\_dg\_us\_dg\_ds\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.025+/-0.008  $\chi^2/\text{NDF}$ : 621.3/6

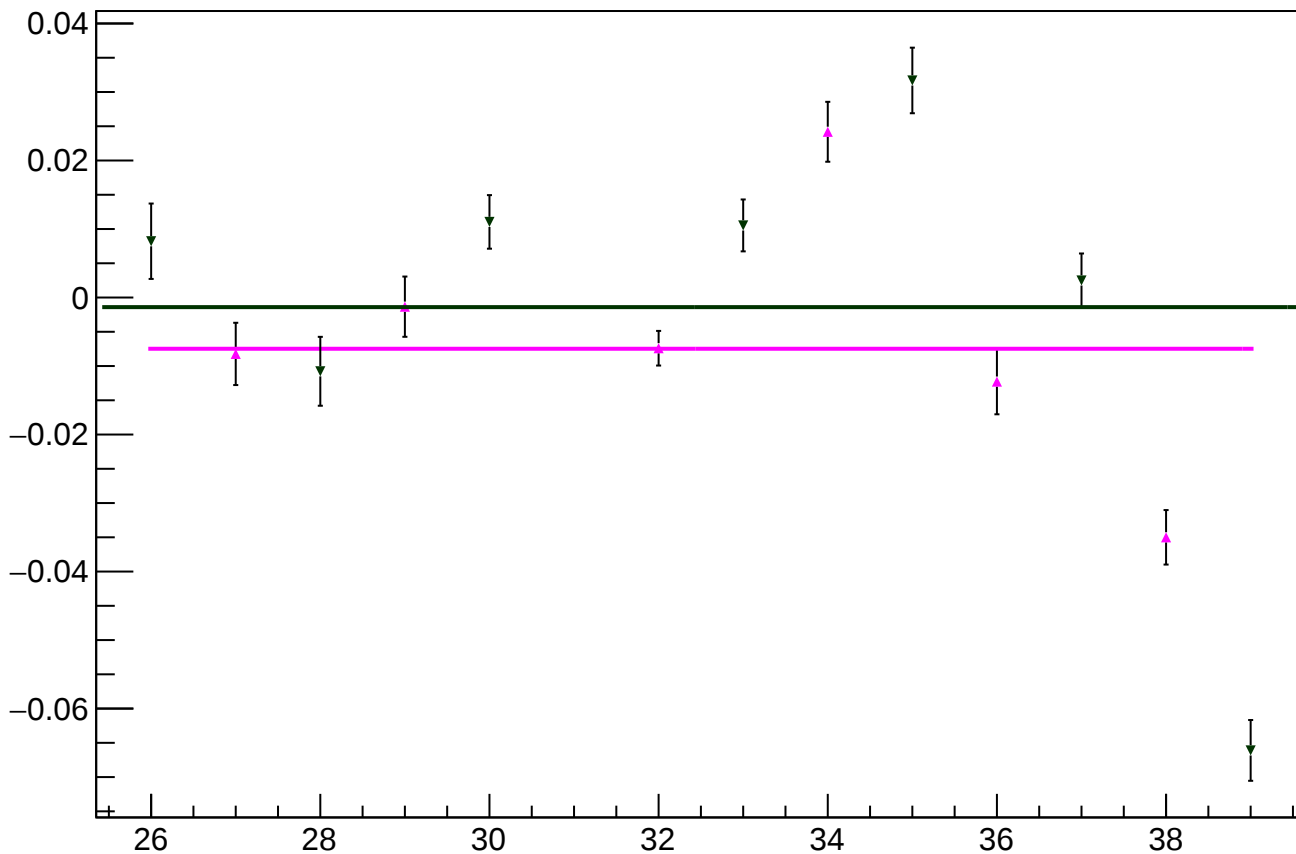
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.011+/-0.007  $\chi^2/\text{NDF}$ : 107.5/5

-0.025+/-0.008  $\chi^2/\text{NDF}$ : 621.3/6

-0.011+/-0.007  $\chi^2/\text{NDF}$ : 107.5/5

reg\_bcm\_dg\_us\_dg\_ds\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.001+/-0.002  $\chi^2/\text{NDF}$ : 288.1/6

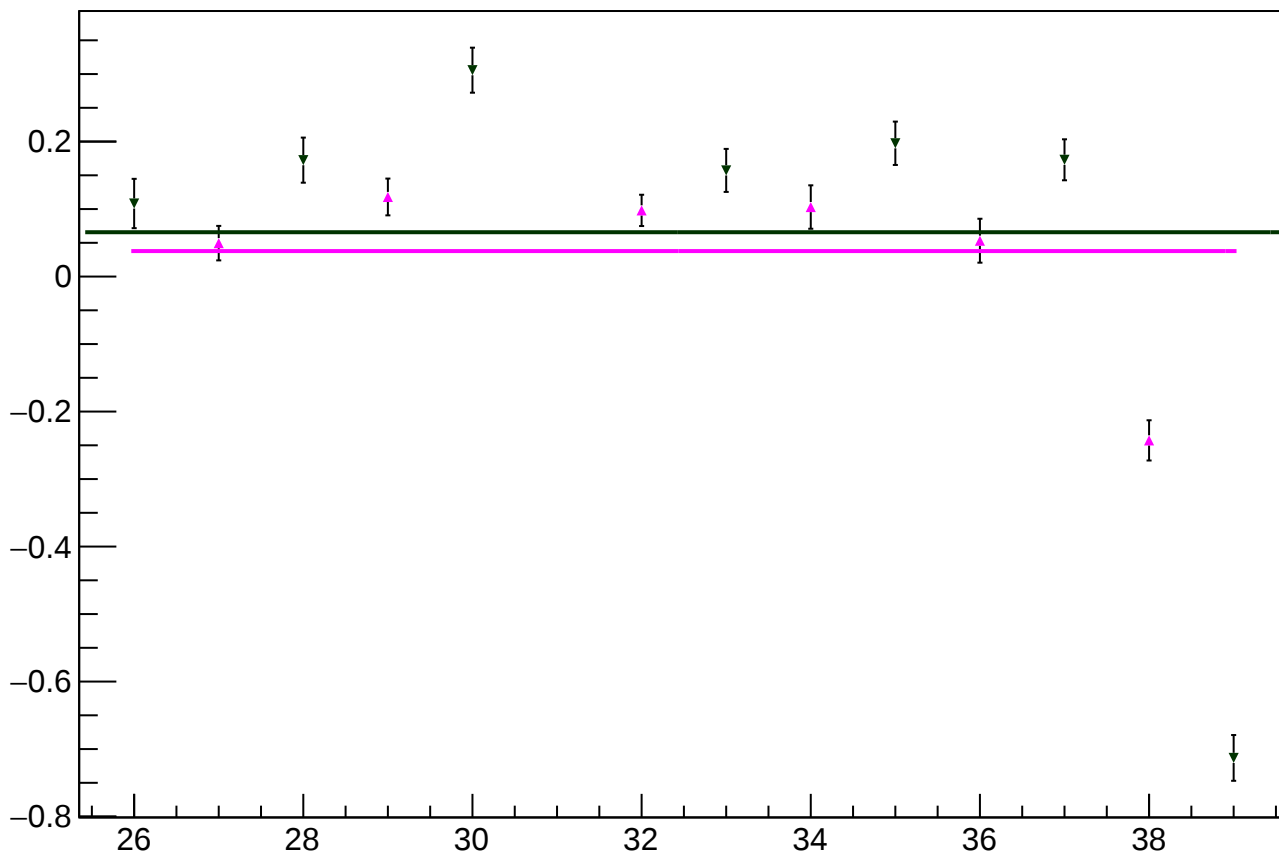
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.007+/-0.002  $\chi^2/\text{NDF}$ : 103.3/5

-0.001+/-0.002  $\chi^2/\text{NDF}$ : 288.1/6

-0.007+/-0.002  $\chi^2/\text{NDF}$ : 103.3/5

reg\_bcm\_dg\_us\_dg\_ds\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.066 $\pm$ 0.012  $\chi^2$ /NDF: 628.7/6

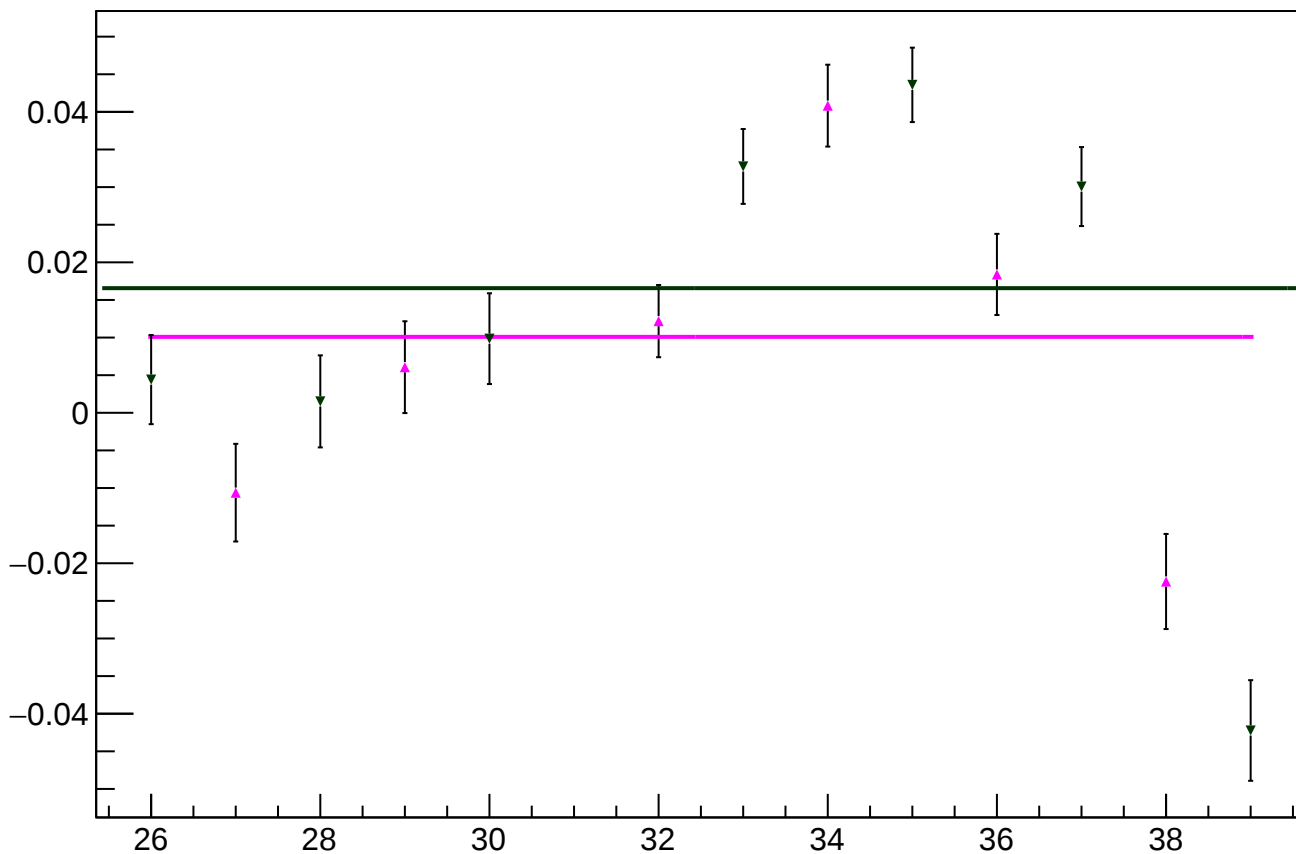
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.038 $\pm$ 0.011  $\chi^2$ /NDF: 108.5/5

0.066 $\pm$ 0.012  $\chi^2$ /NDF: 628.7/6

0.038 $\pm$ 0.011  $\chi^2$ /NDF: 108.5/5

reg\_bcm\_dg\_us\_dg\_ds\_dd\_diff\_bpm11X\_slope vs slug

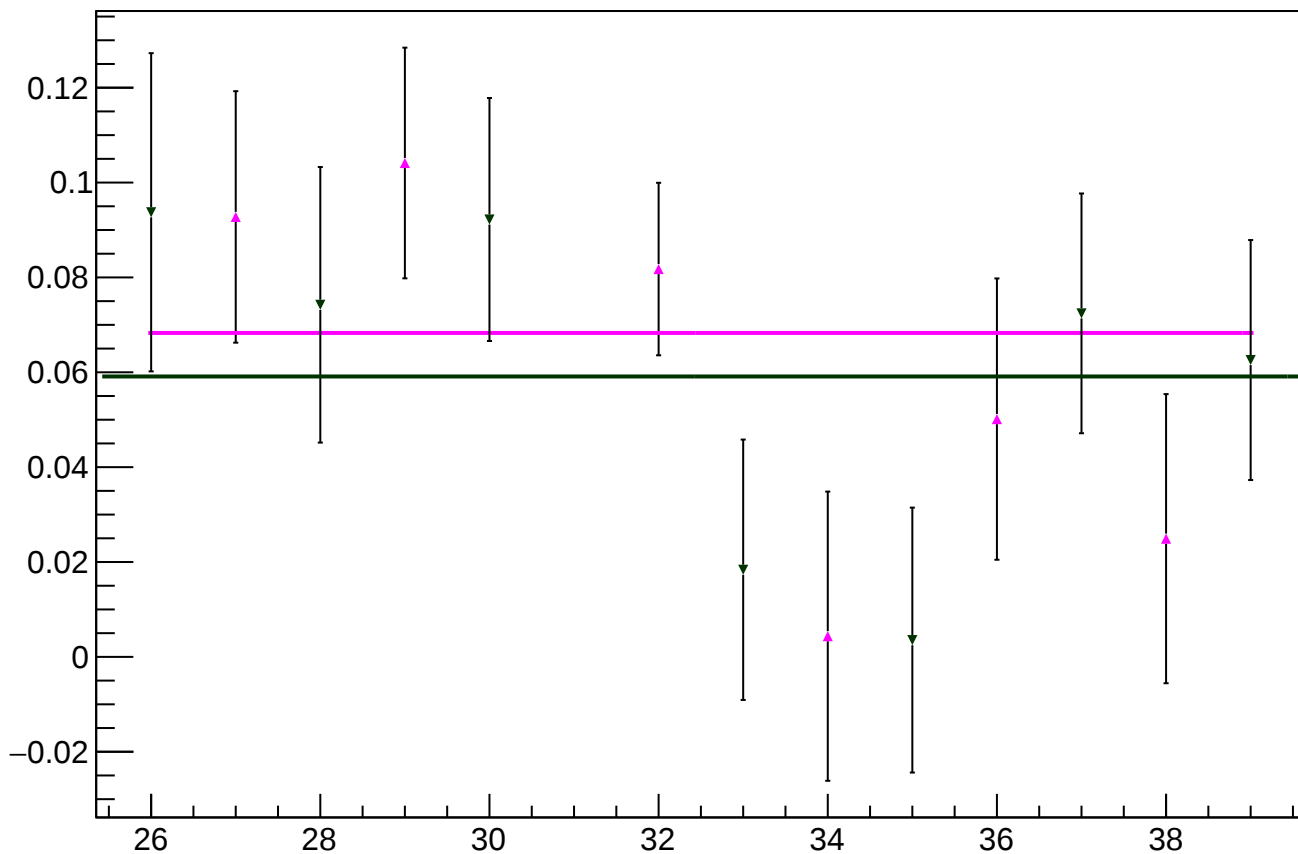


Right In: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.017+/-0.002     $\chi^2/\text{NDF}$ :135.8/6  
 Right Out: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.010+/-0.002     $\chi^2/\text{NDF}$ :71.5/5

0.017+/-0.002     $\chi^2/\text{NDF}$ : 135.8/6

0.010+/-0.002     $\chi^2/\text{NDF}$ : 71.5/5

reg\_bcm\_cav4cQ\_ds\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.059+/-0.010  $\chi^2/\text{NDF}$ : 9.5/6

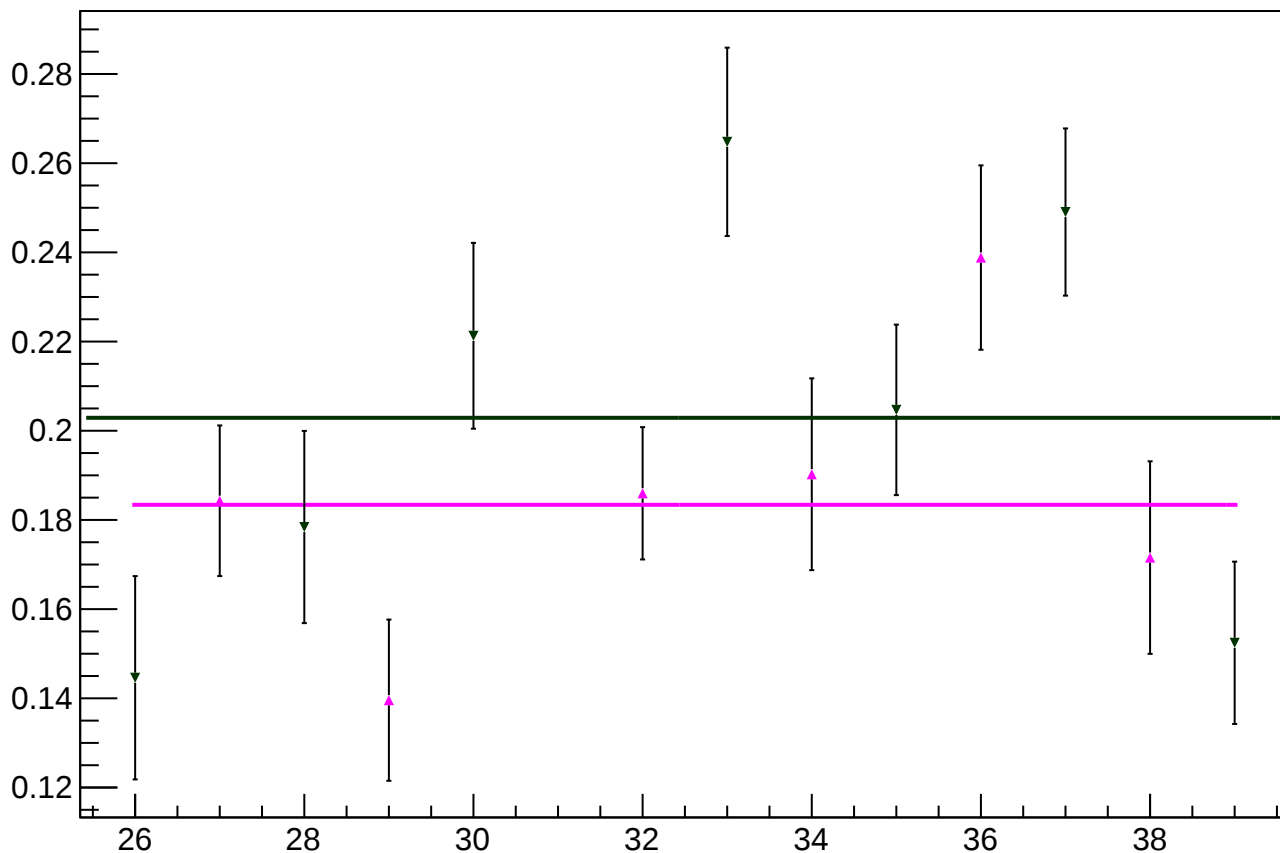
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.068+/-0.010  $\chi^2/\text{NDF}$ : 10.4/5

0.059+/-0.010  $\chi^2/\text{NDF}$ : 9.5/6

0.068+/-0.010  $\chi^2/\text{NDF}$ : 10.4/5

reg\_bcm\_cav4cQ\_ds\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.203+/-0.008  $\chi^2/\text{NDF}$ : 30.9/6

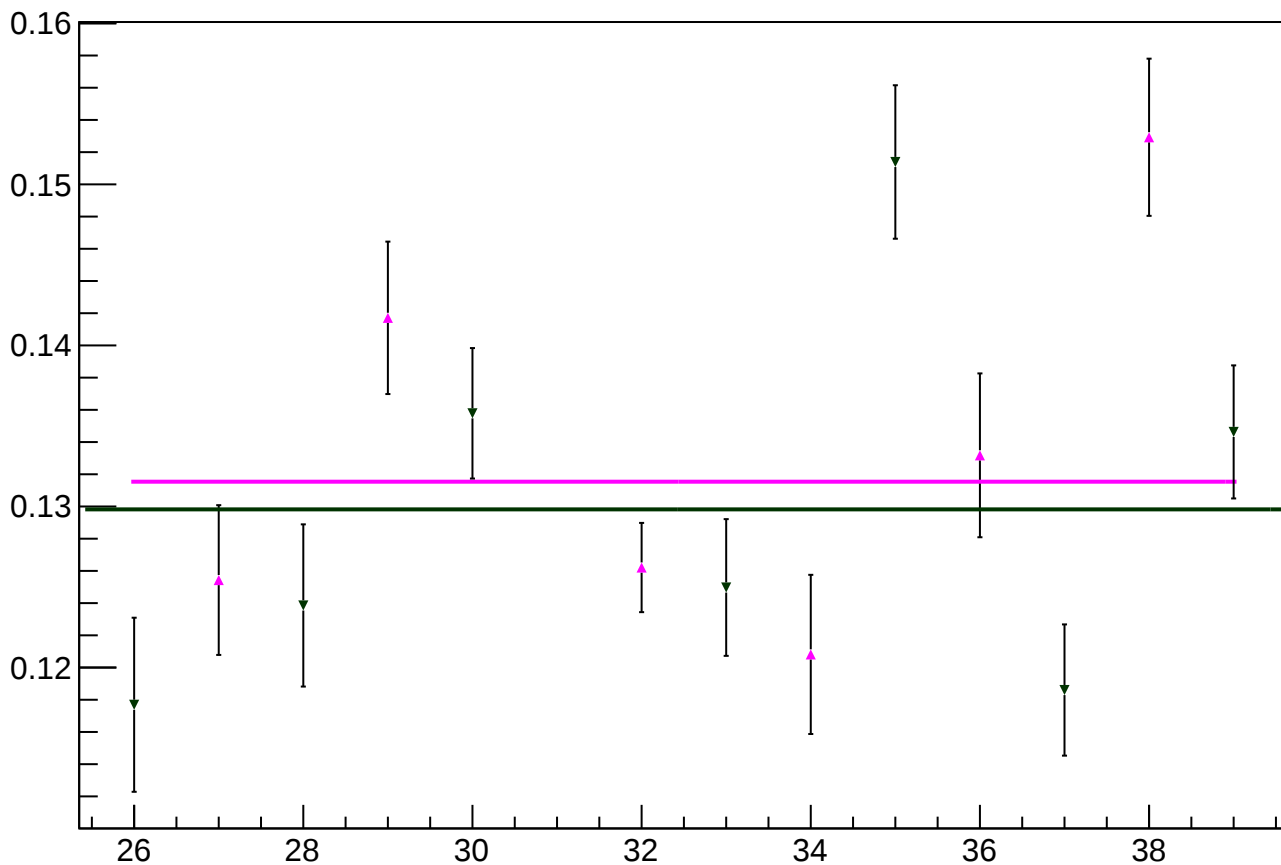
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.183+/-0.008  $\chi^2/\text{NDF}$ : 13.5/5

0.203+/-0.008  $\chi^2/\text{NDF}$ : 30.9/6

0.183+/-0.008  $\chi^2/\text{NDF}$ : 13.5/5

reg\_bcm\_cav4cQ\_ds\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.130 $\pm$ 0.002  $\chi^2$ /NDF: 39.3/6

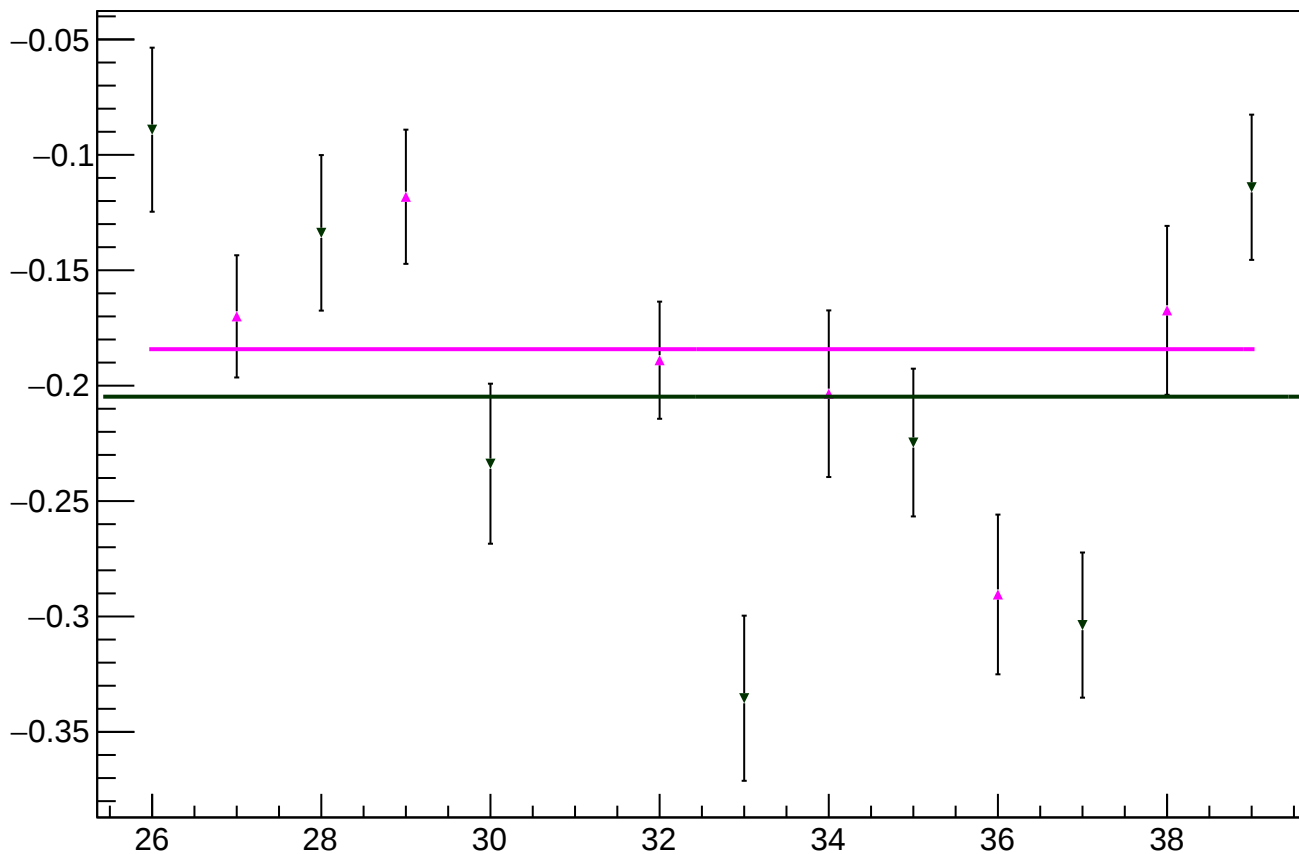
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.132 $\pm$ 0.002  $\chi^2$ /NDF: 34.1/5

0.130 $\pm$ 0.002  $\chi^2$ /NDF: 39.3/6

0.132 $\pm$ 0.002  $\chi^2$ /NDF: 34.1/5

reg\_bcm\_cav4cQ\_ds\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.205+/-0.013  $\chi^2/\text{NDF}$ : 47.7/6

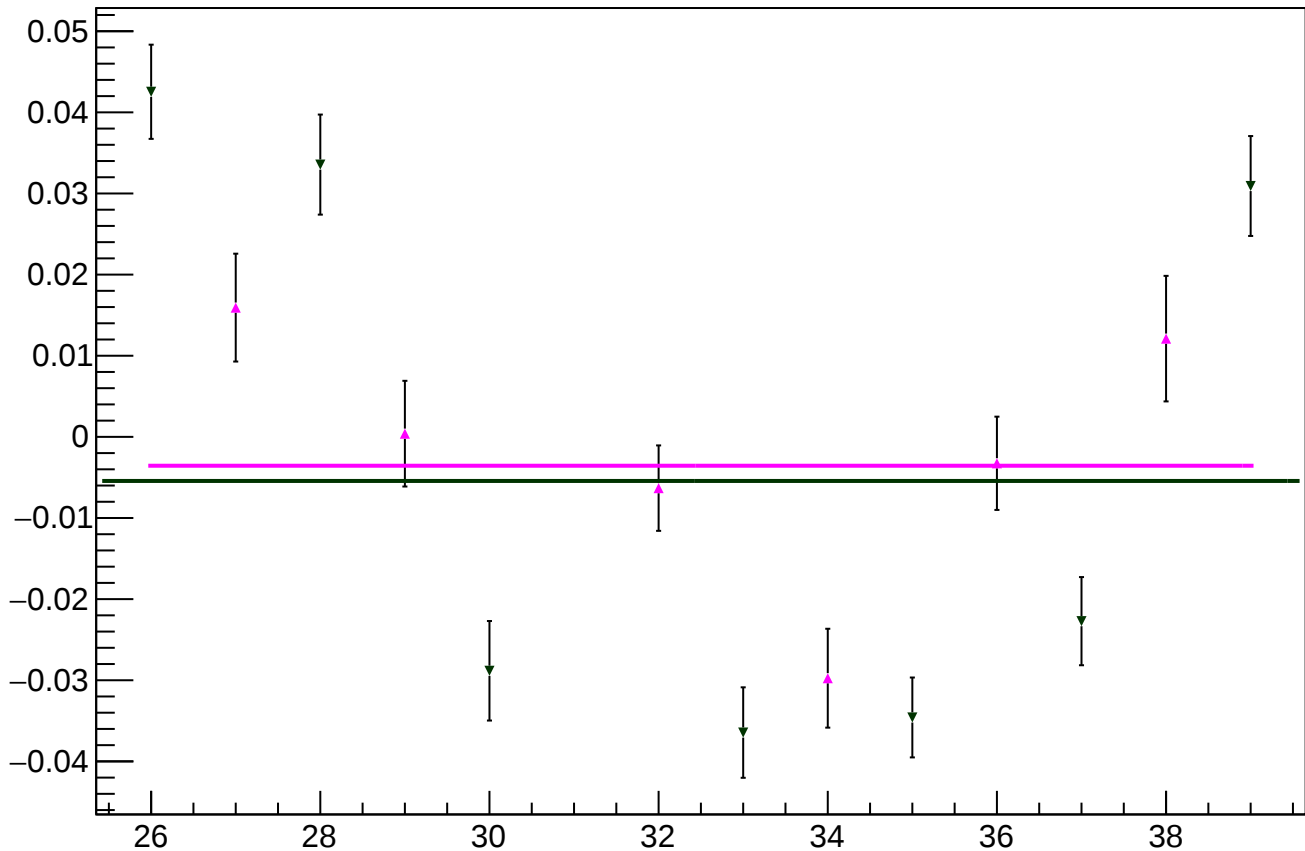
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.184+/-0.012  $\chi^2/\text{NDF}$ : 15.4/5

-0.205+/-0.013  $\chi^2/\text{NDF}$ : 47.7/6

-0.184+/-0.012  $\chi^2/\text{NDF}$ : 15.4/5

reg\_bcm\_cav4cQ\_ds\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.005+/-0.002  $\chi^2/\text{NDF}$ : 233.8/6

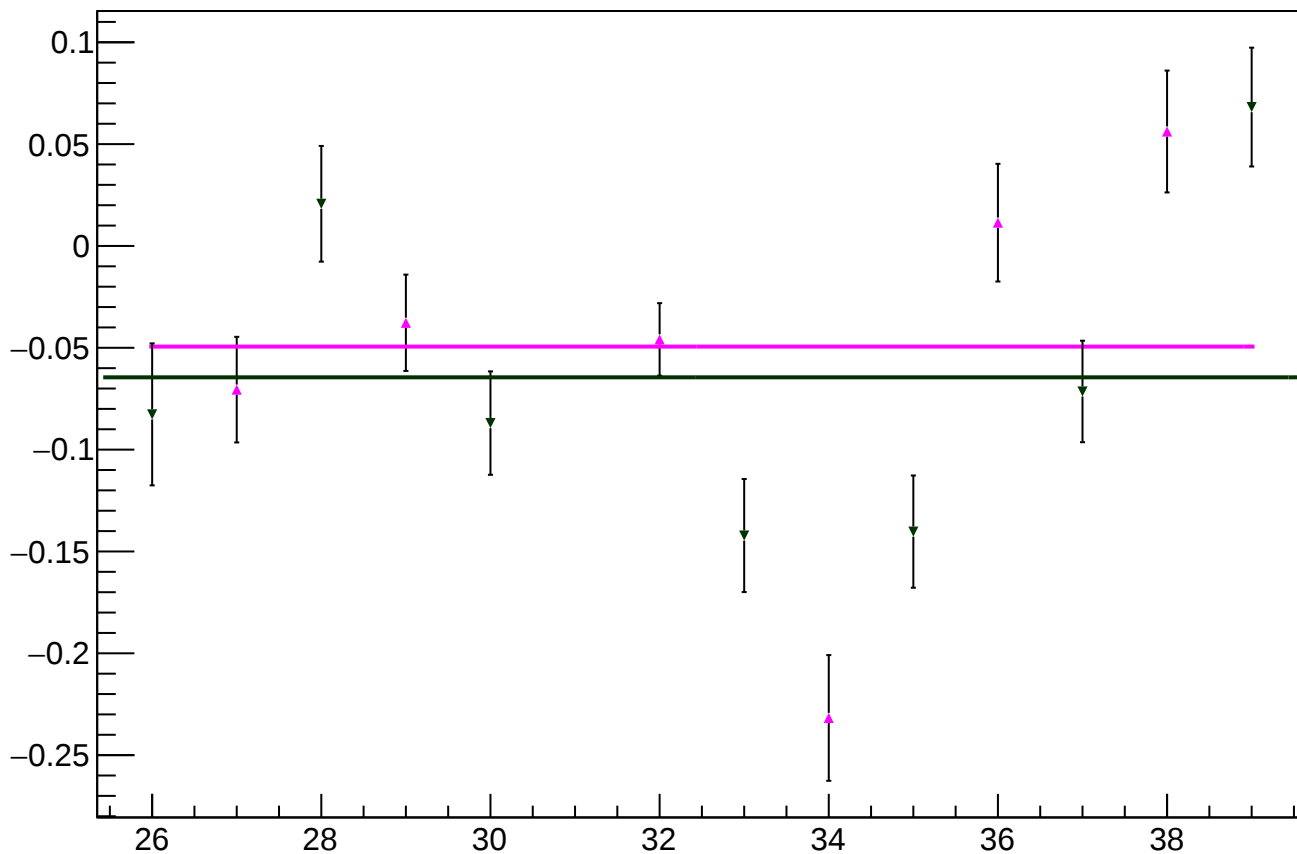
-0.005+/-0.002  $\chi^2/\text{NDF}$ : 233.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-0.004+/-0.003  $\chi^2/\text{NDF}$ : 31.8/5

Left In: -0.004+/-0.003  $\chi^2/\text{NDF}$ : 31.8/5

reg\_bcm\_dg\_us\_ds\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.065+/-0.011  $\chi^2/\text{NDF}$ : 46.2/6

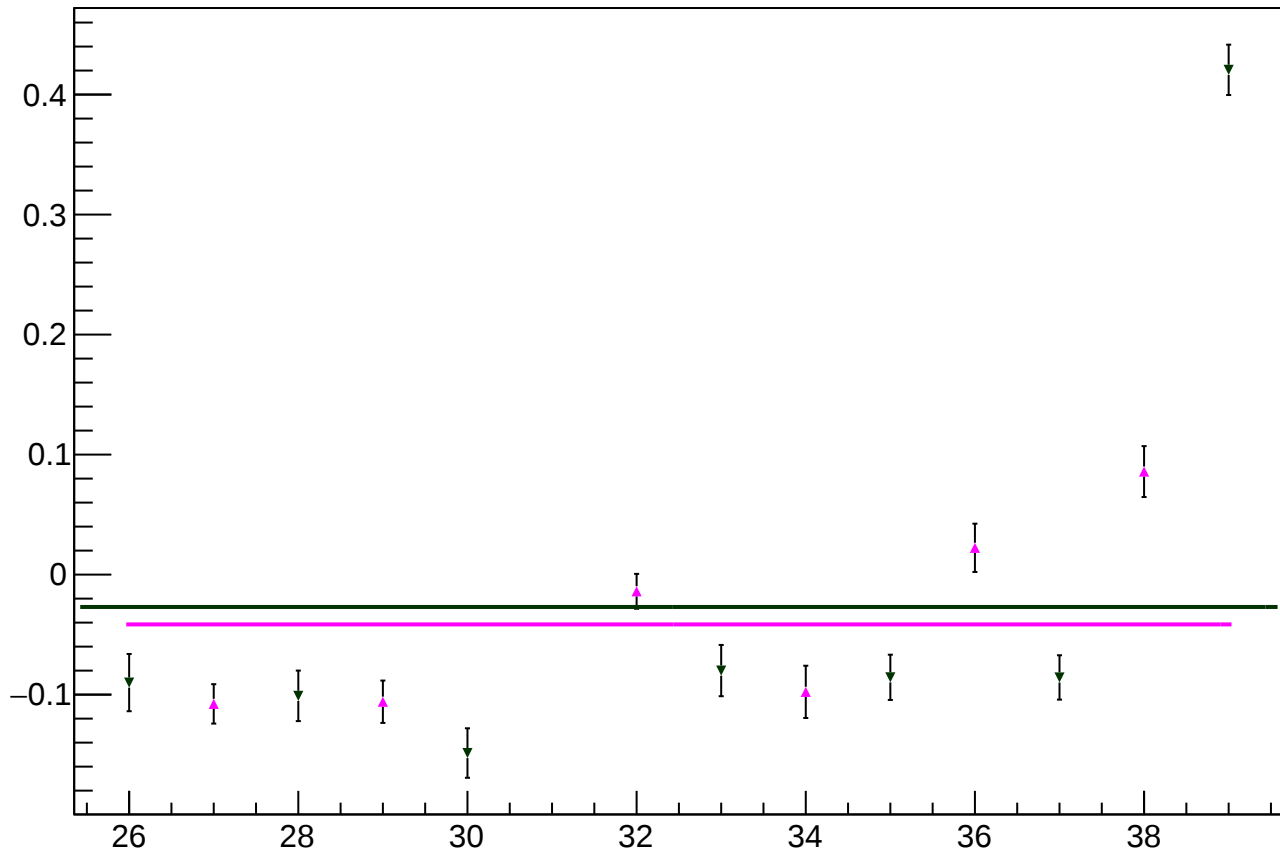
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -0.049+/-0.010  $\chi^2/\text{NDF}$ : 52.7/5

-0.065+/-0.011  $\chi^2/\text{NDF}$ : 46.2/6

-0.049+/-0.010  $\chi^2/\text{NDF}$ : 52.7/5

reg\_bcm\_dg\_us\_ds\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -0.027 $\pm$ 0.008  $\chi^2$ /NDF: 535.3/6

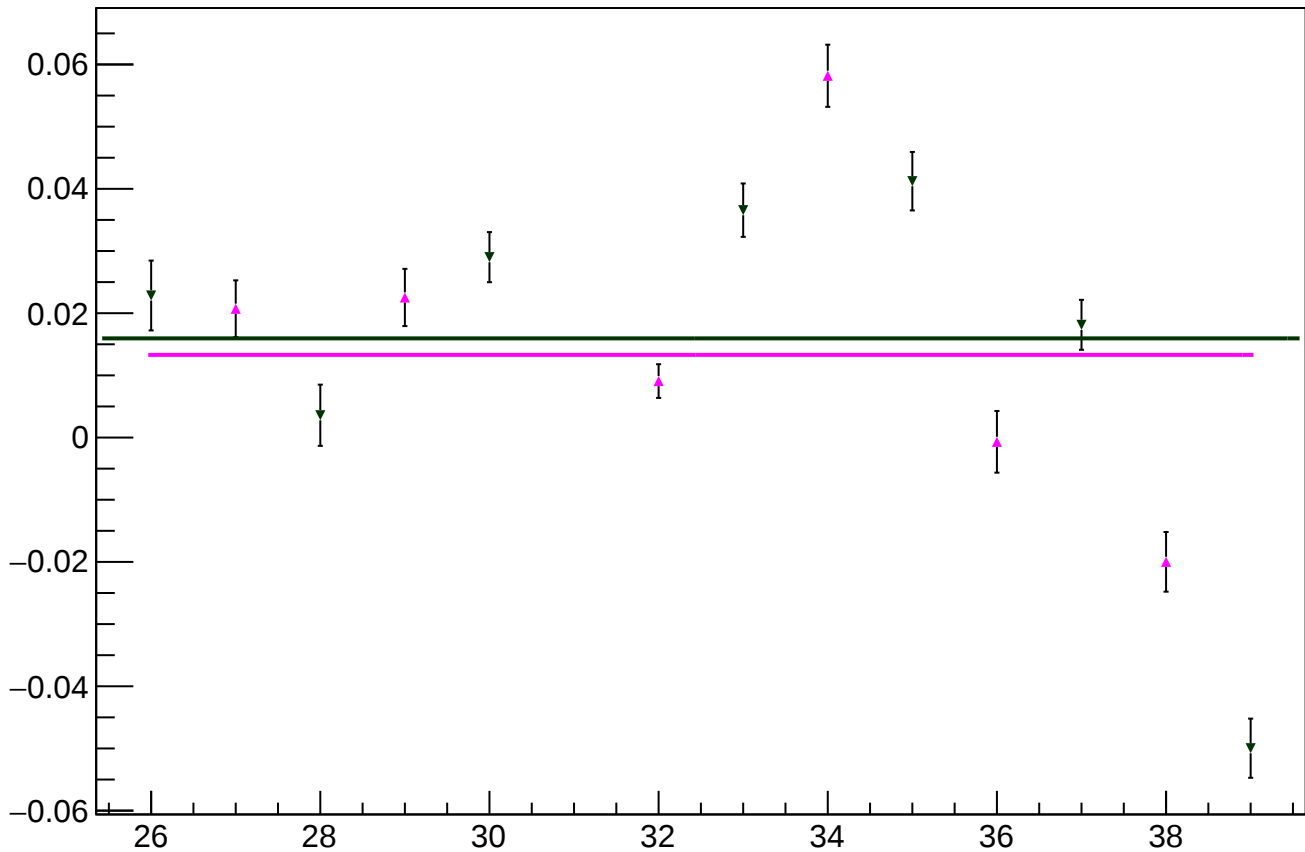
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -0.041 $\pm$ 0.007  $\chi^2$ /NDF: 86.0/5

-0.027 $\pm$ 0.008  $\chi^2$ /NDF: 535.3/6

-0.041 $\pm$ 0.007  $\chi^2$ /NDF: 86.0/5

reg\_bcm\_dg\_us\_ds\_dd\_diff\_bpm4eX\_slope vs slug

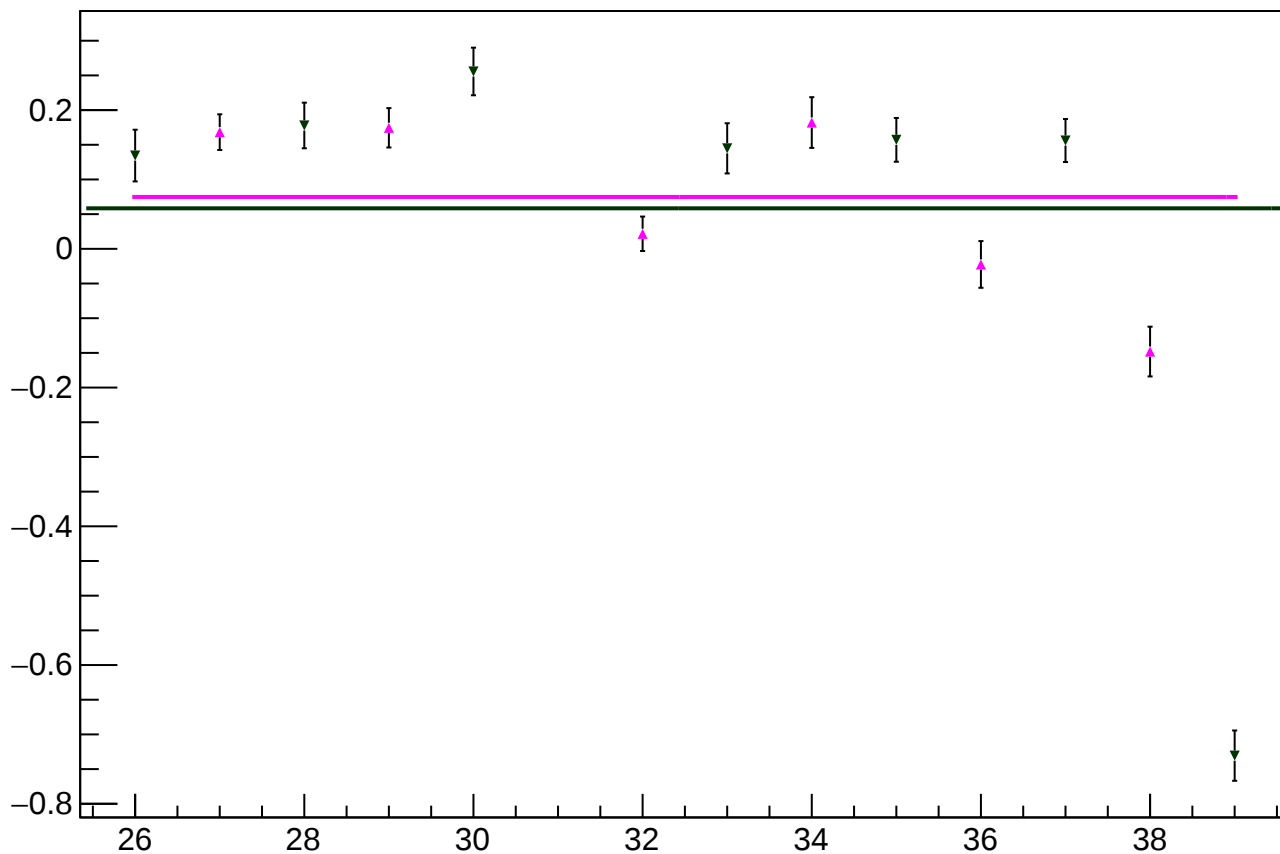


Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left Out: 0.016+/-0.002  $\chi^2/\text{NDF}$ :262.4/6  
 Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Left In: 0.013+/-0.002  $\chi^2/\text{NDF}$ :145.7/5

0.016+/-0.002  $\chi^2/\text{NDF}$ : 262.4/6

0.013+/-0.002  $\chi^2/\text{NDF}$ : 145.7/5

reg\_bcm\_dg\_us\_ds\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.058+/-0.013  $\chi^2/\text{NDF}$ : 549.0/6

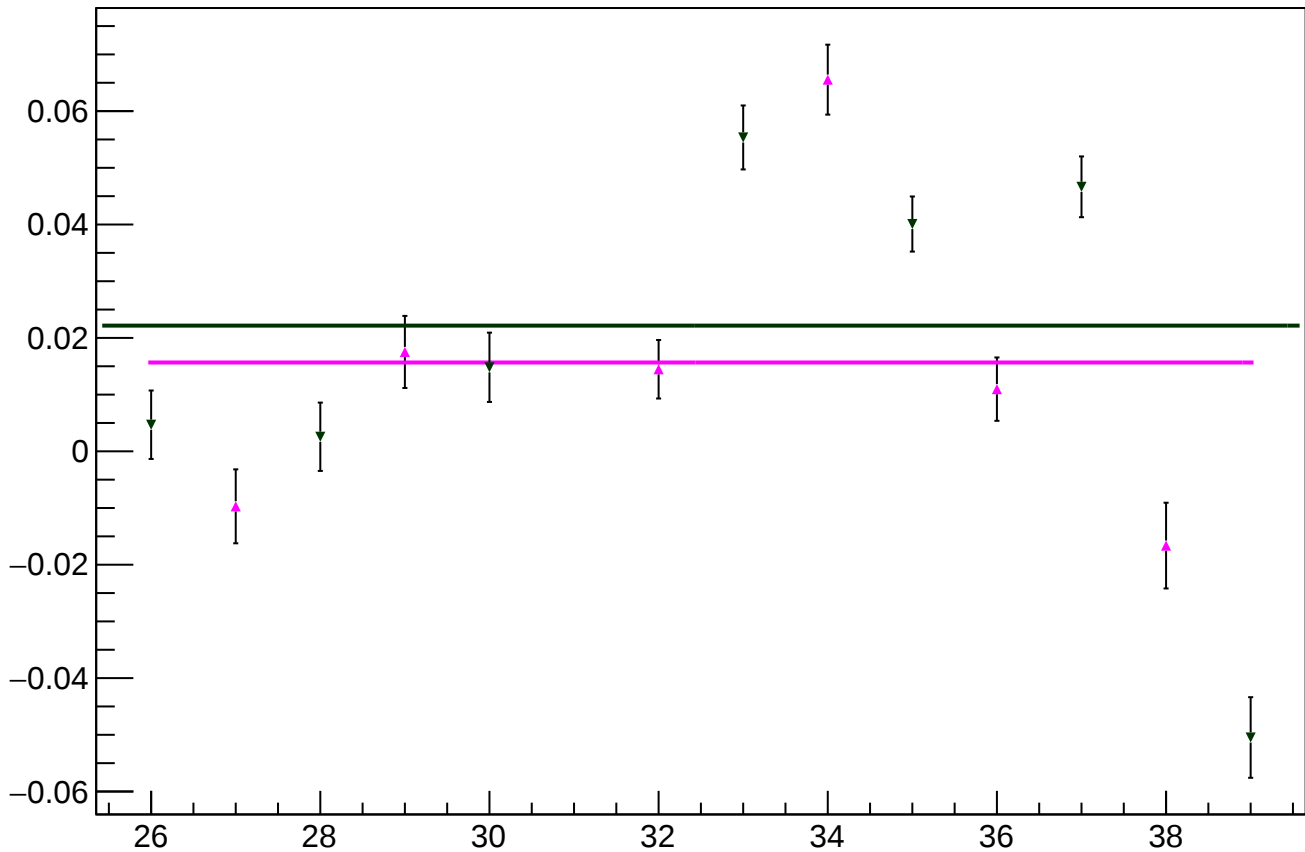
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.075+/-0.012  $\chi^2/\text{NDF}$ : 85.7/5

0.058+/-0.013  $\chi^2/\text{NDF}$ : 549.0/6

0.075+/-0.012  $\chi^2/\text{NDF}$ : 85.7/5

reg\_bcm\_dg\_us\_ds\_dd\_diff\_bpm11X\_slope vs slug

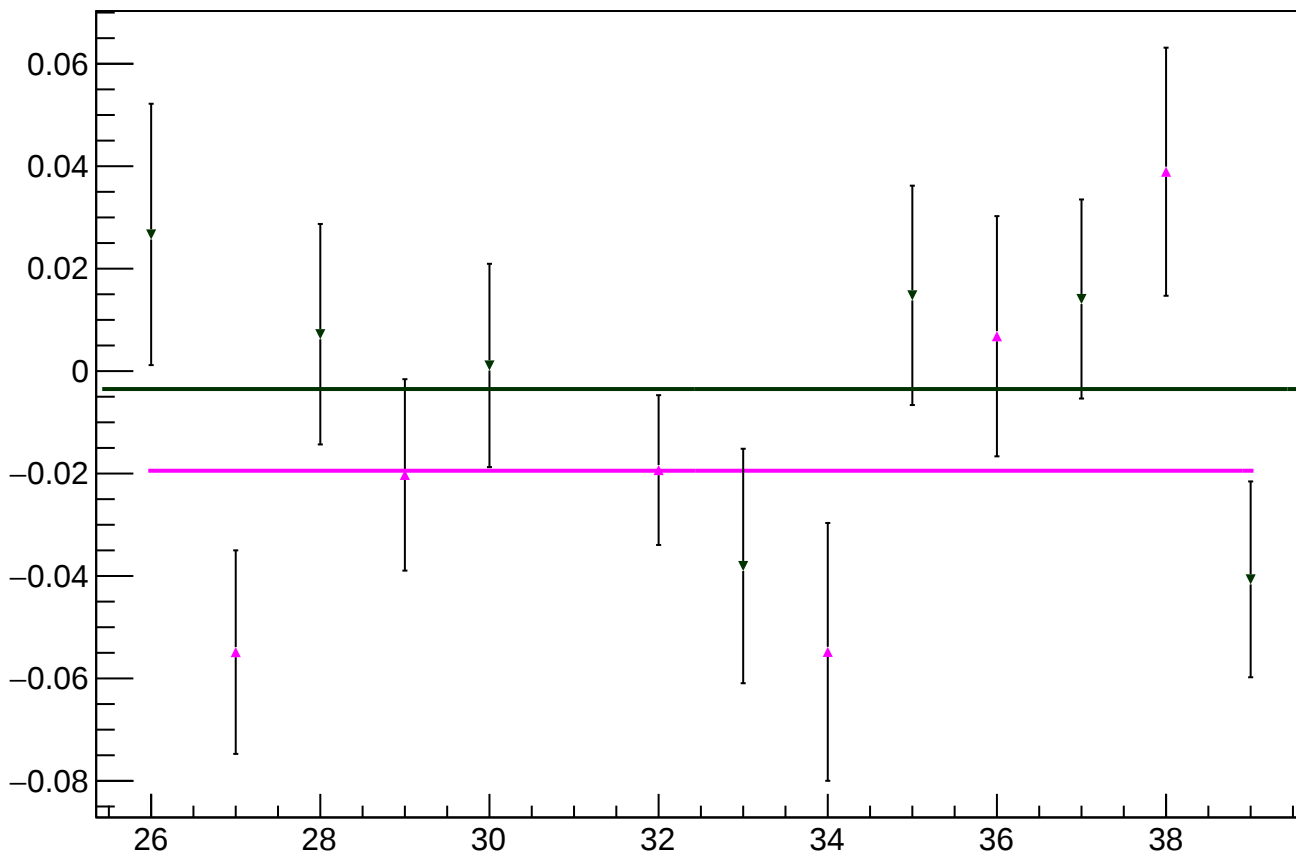


Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left Out: 0.022 $\pm$ 0.002  $\chi^2$ /NDF:193.9/6  
 Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Left In: 0.016 $\pm$ 0.002  $\chi^2$ /NDF:99.6/5

0.022 $\pm$ 0.002  $\chi^2$ /NDF: 193.9/6

0.016 $\pm$ 0.002  $\chi^2$ /NDF: 99.6/5

reg\_bcm\_dg\_ds\_ds\_dd\_diff\_bpm4aX\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: -0.004 $\pm$ 0.008  $\chi^2$ /NDF: 9.3/6

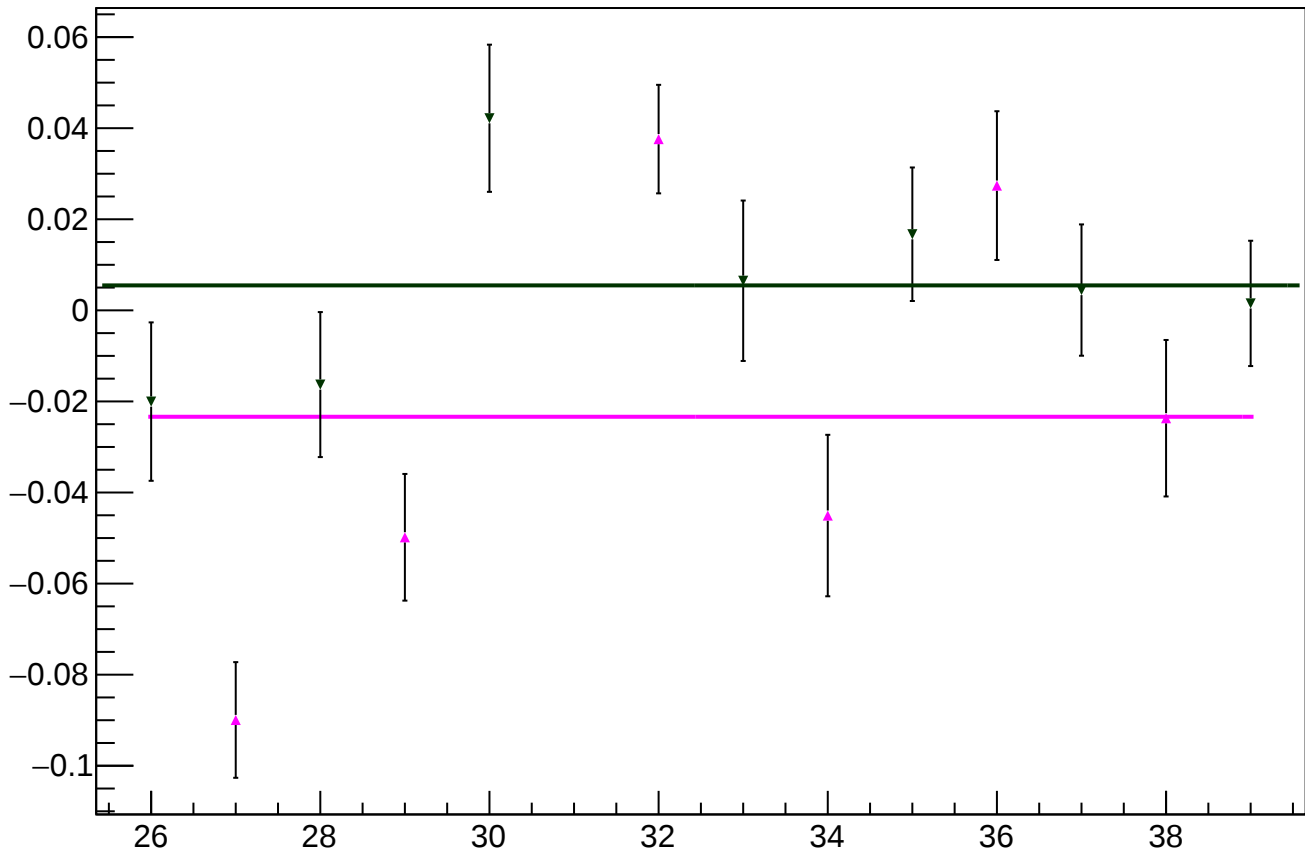
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -0.019 $\pm$ 0.008  $\chi^2$ /NDF: 12.2/5

-0.004 $\pm$ 0.008  $\chi^2$ /NDF: 9.3/6

-0.019 $\pm$ 0.008  $\chi^2$ /NDF: 12.2/5

reg\_bcm\_dg\_ds\_ds\_dd\_diff\_bpm4aY\_slope vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.005 $\pm$ 0.006  $\chi^2$ /NDF: 9.9/6

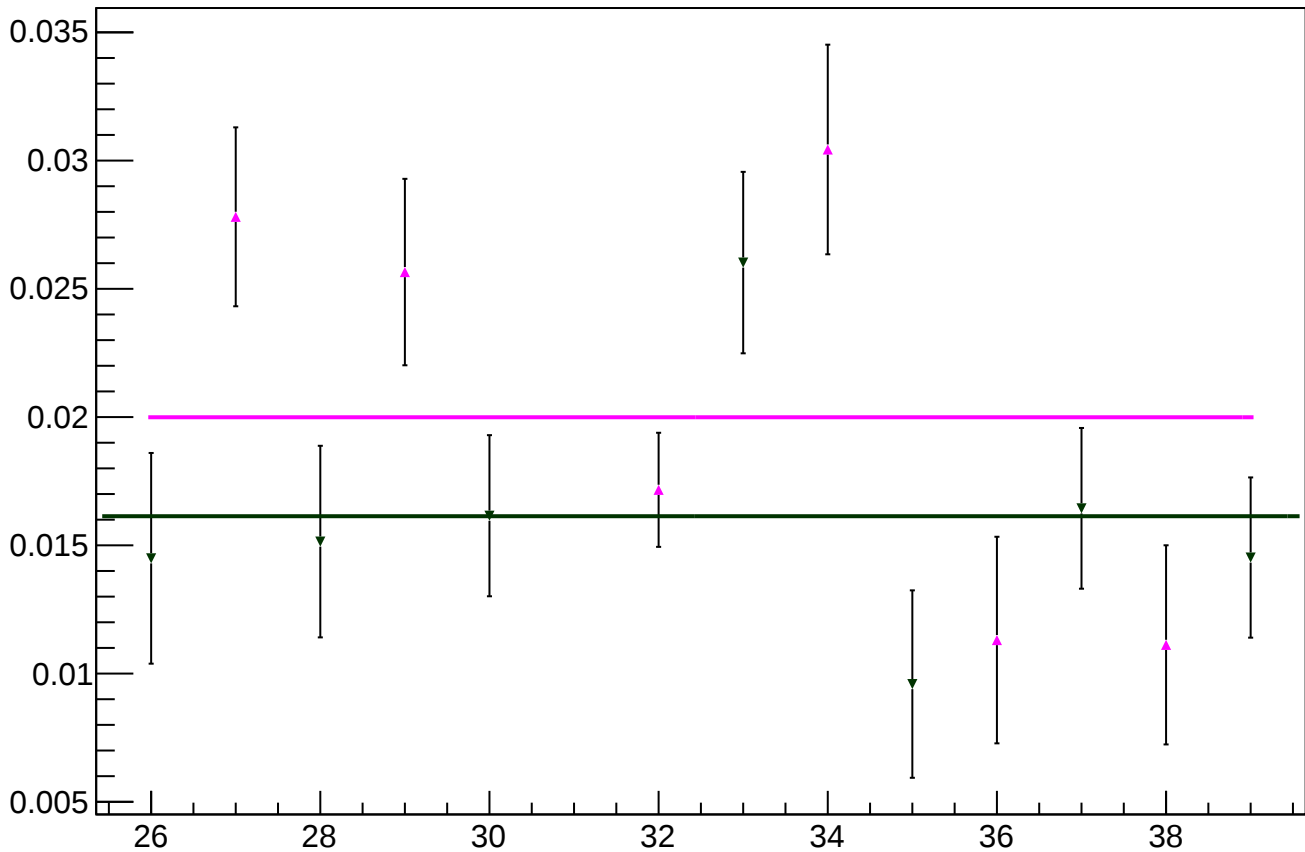
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -0.023 $\pm$ 0.006  $\chi^2$ /NDF: 68.4/5

0.005 $\pm$ 0.006  $\chi^2$ /NDF: 9.9/6

-0.023 $\pm$ 0.006  $\chi^2$ /NDF: 68.4/5

reg\_bcm\_dg\_ds\_ds\_dd\_diff\_bpm4eX\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.016+/-0.001  $\chi^2/\text{NDF}$ : 11.5/6

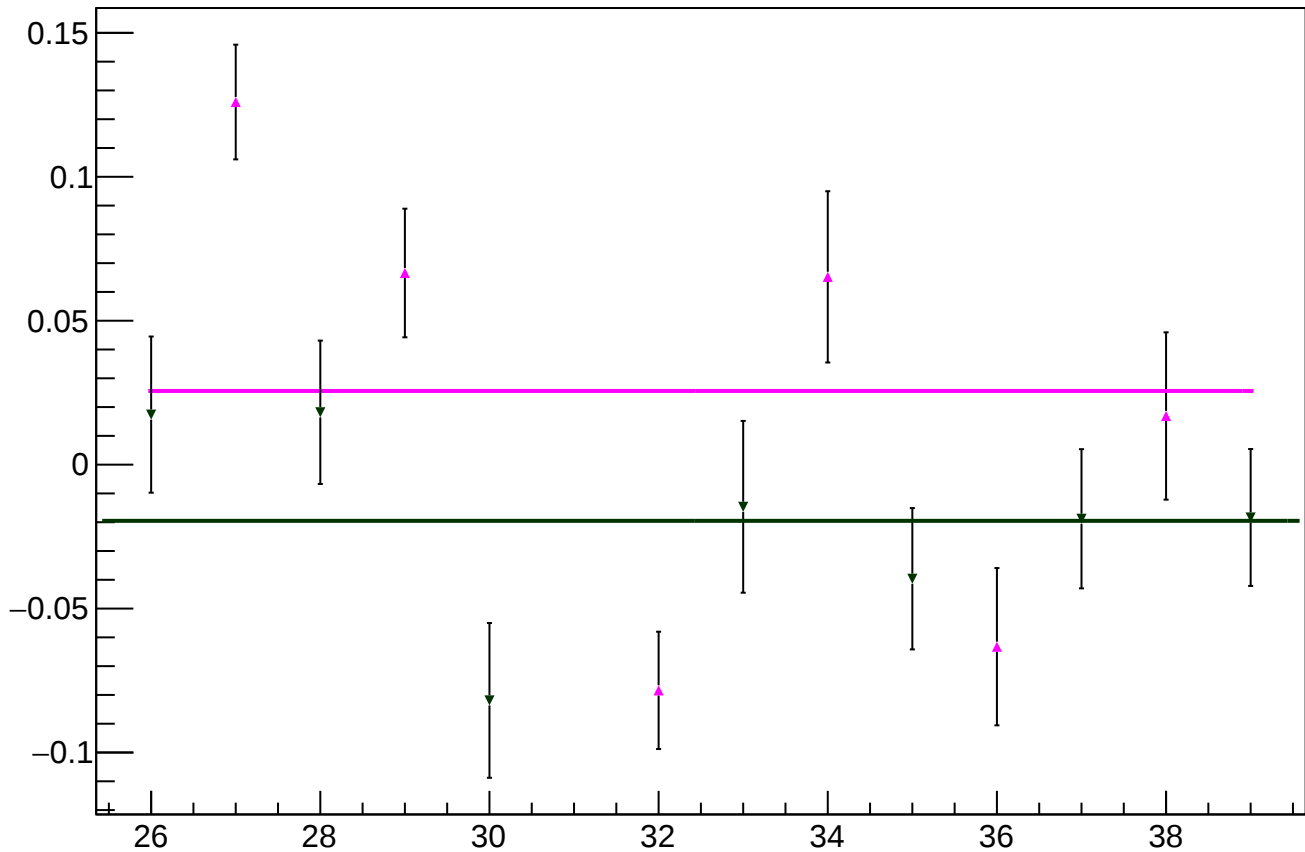
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.020+/-0.001  $\chi^2/\text{NDF}$ : 25.5/5

0.016+/-0.001  $\chi^2/\text{NDF}$ : 11.5/6

0.020+/-0.001  $\chi^2/\text{NDF}$ : 25.5/5

reg\_bcm\_dg\_ds\_ds\_dd\_diff\_bpm4eY\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -0.020+/-0.010  $\chi^2/\text{NDF}$ : 10.2/6

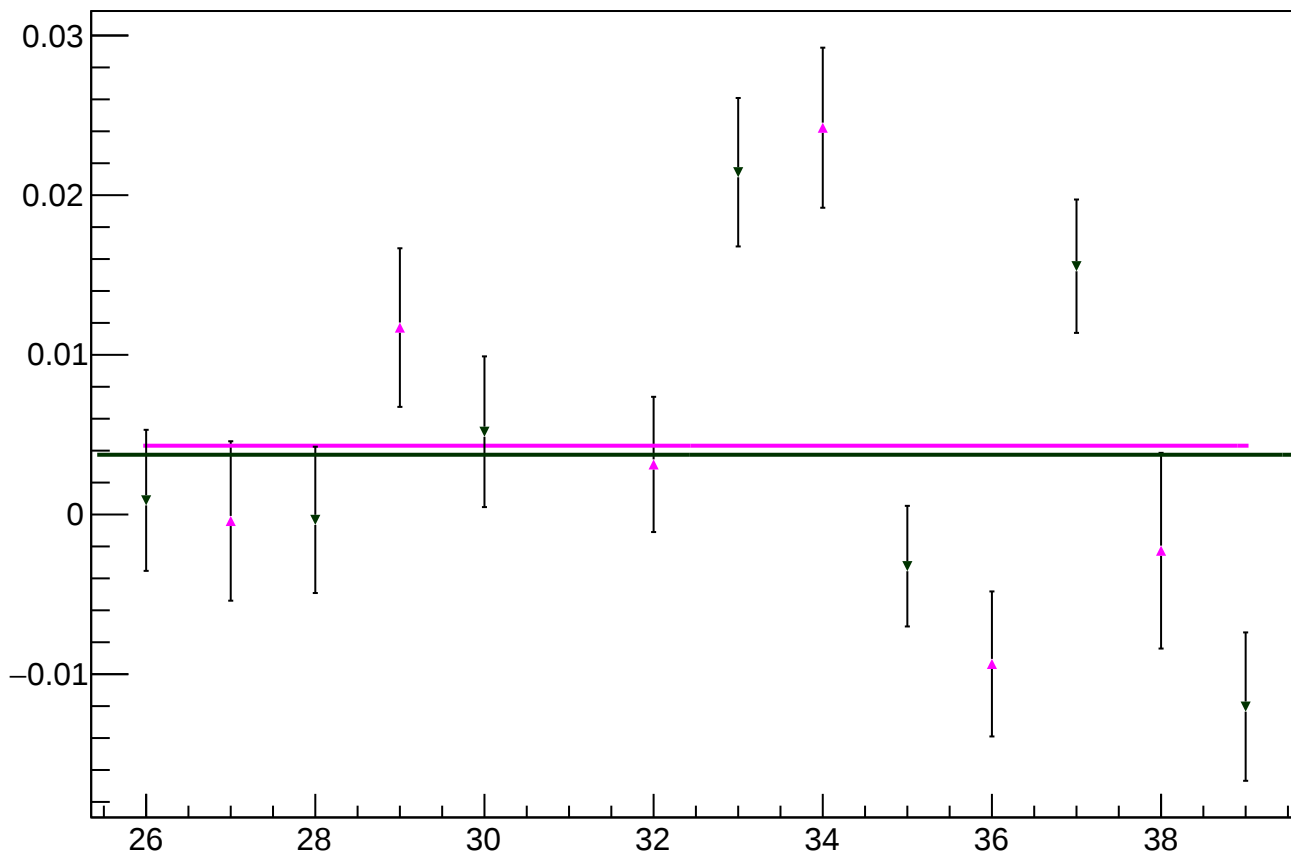
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.026+/-0.010  $\chi^2/\text{NDF}$ : 67.2/5

-0.020+/-0.010  $\chi^2/\text{NDF}$ : 10.2/6

0.026+/-0.010  $\chi^2/\text{NDF}$ : 67.2/5

reg\_bcm\_dg\_ds\_ds\_dd\_diff\_bpm11X\_slope vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.004+/-0.002  $\chi^2/\text{NDF}$ : 38.7/6

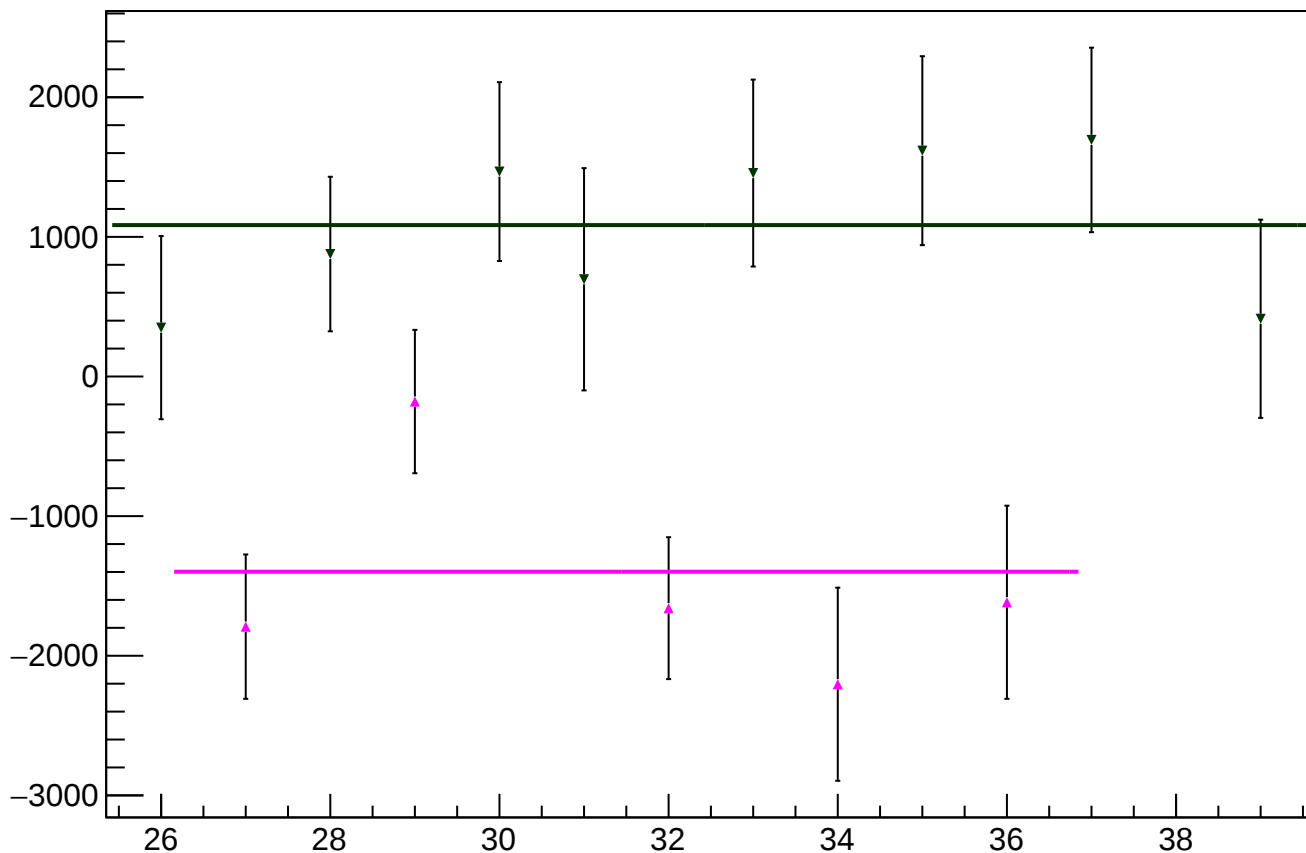
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.004+/-0.002  $\chi^2/\text{NDF}$ : 29.2/5

0.004+/-0.002  $\chi^2/\text{NDF}$ : 38.7/6

0.004+/-0.002  $\chi^2/\text{NDF}$ : 29.2/5

# reg\_asym\_atl1\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1084.290+/-233.779  $\chi^2/\text{NDF}$ : 4.7/7

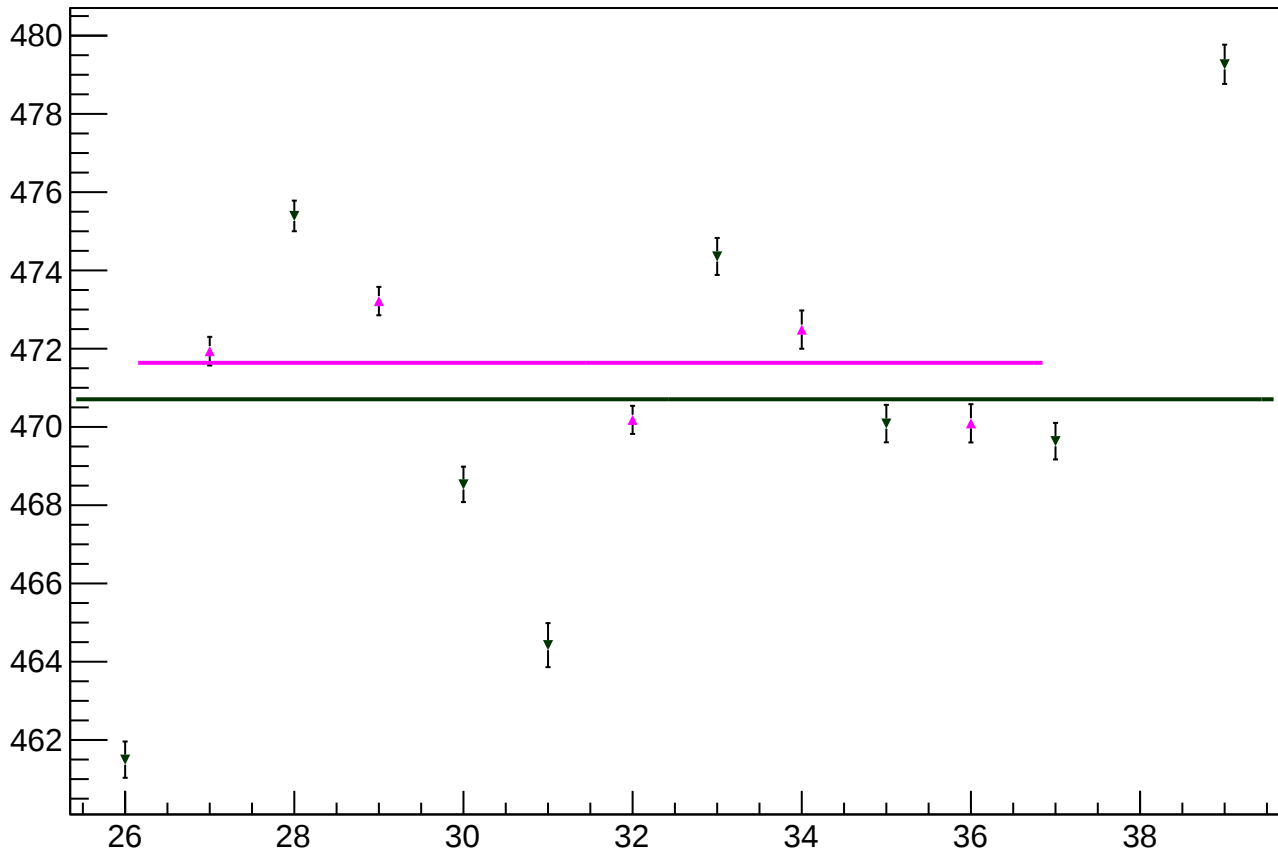
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1398.207+/-253.268  $\chi^2/\text{NDF}$ : 7.9/4

1084.290+/-233.779  $\chi^2/\text{NDF}$ : 4.7/7

-1398.207+/-253.268  $\chi^2/\text{NDF}$ : 7.9/4

# reg\_asym\_atl1\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 470.707+/-0.165  $\chi^2/\text{NDF}$ :1042.7/7

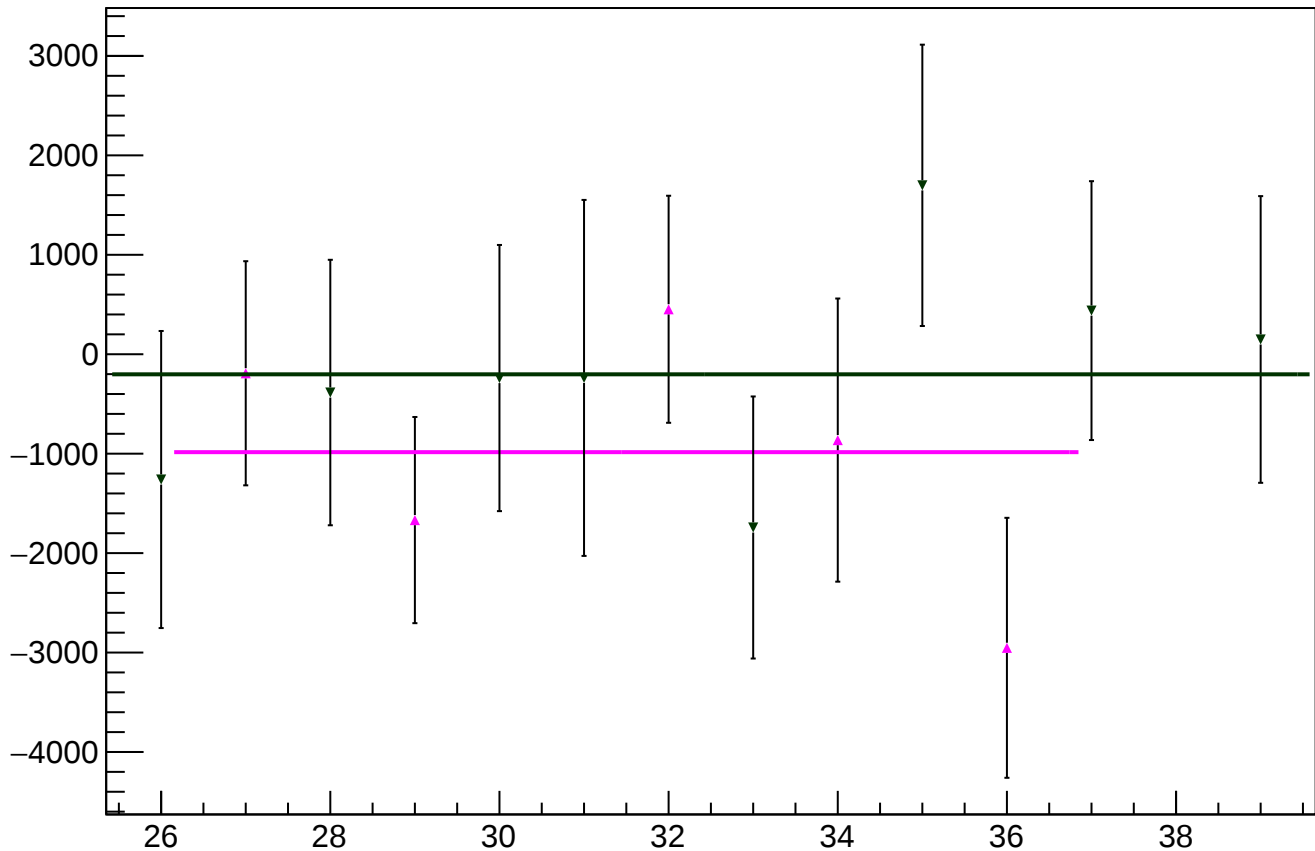
470.707+/-0.165  $\chi^2/\text{NDF}$ : 1042.7/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

471.638+/-0.179  $\chi^2/\text{NDF}$ : 49.0/4

Left In: 471.638+/-0.179  $\chi^2/\text{NDF}$ :49.0/4

# asym\_atl1\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -201.946+/-498.329  $\chi^2/\text{NDF}$ : 4.0/7

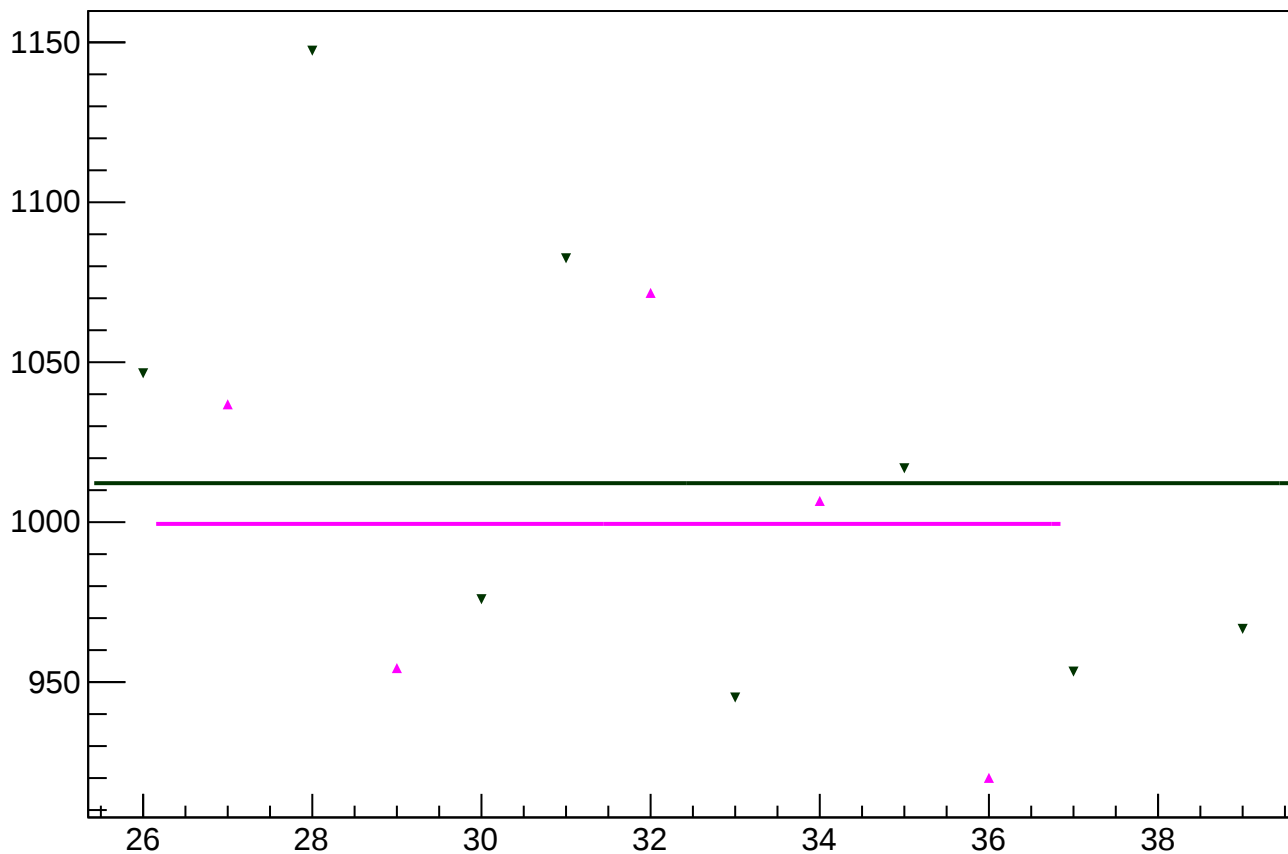
-201.946+/-498.329  $\chi^2/\text{NDF}$ : 4.0/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-984.746+/-529.741  $\chi^2/\text{NDF}$ : 4.8/4

Left In: -984.746+/-529.741  $\chi^2/\text{NDF}$ : 4.8/4

# asym\_atl1\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1012.187+/-0.352  $\chi^2/\text{NDF}$ : 37417.9/7

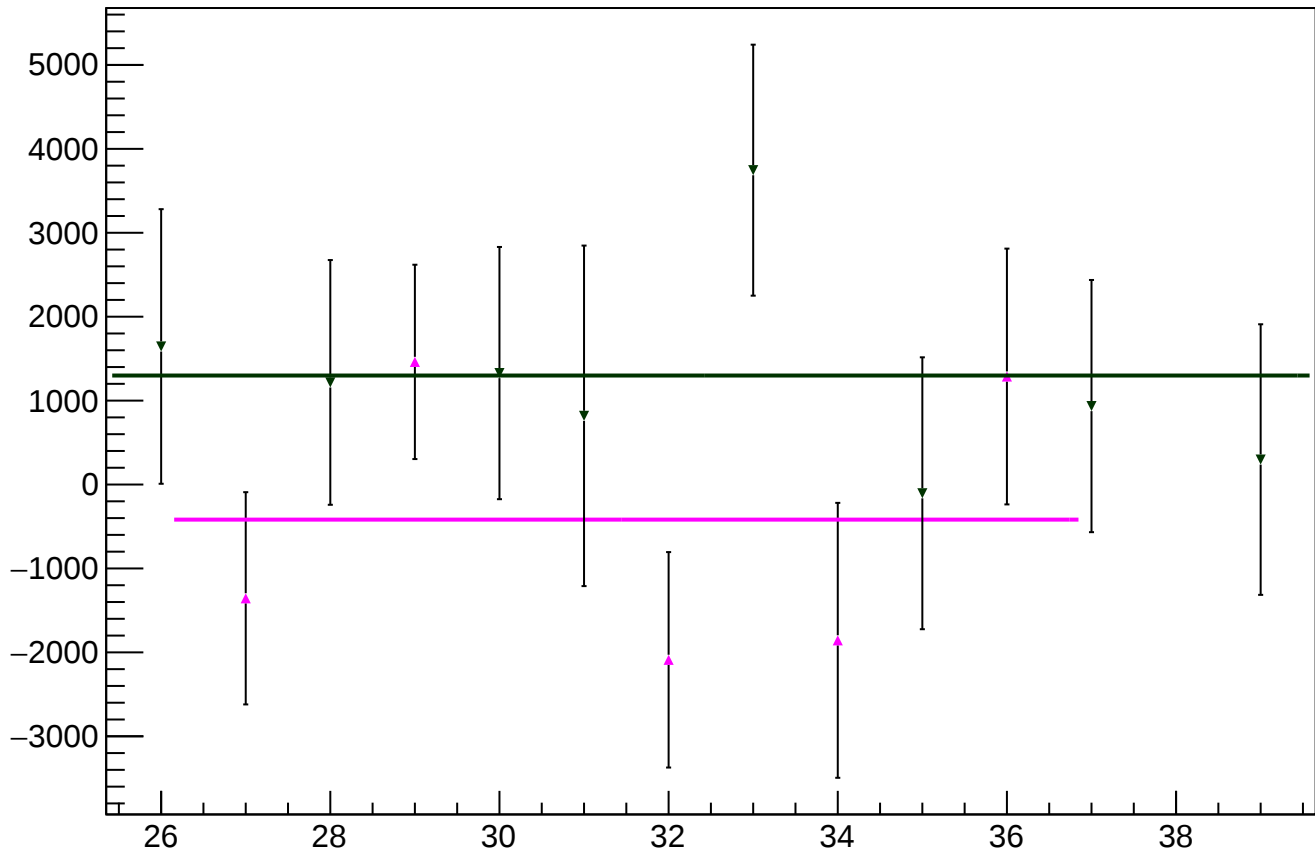
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 999.457+/-0.375  $\chi^2/\text{NDF}$ : 21412.0/4

1012.187+/-0.352  $\chi^2/\text{NDF}$ : 37417.9/7

999.457+/-0.375  $\chi^2/\text{NDF}$ : 21412.0/4

# asym\_atl1\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1298.986+/-560.309  $\chi^2/\text{NDF}$ : 4.0/7

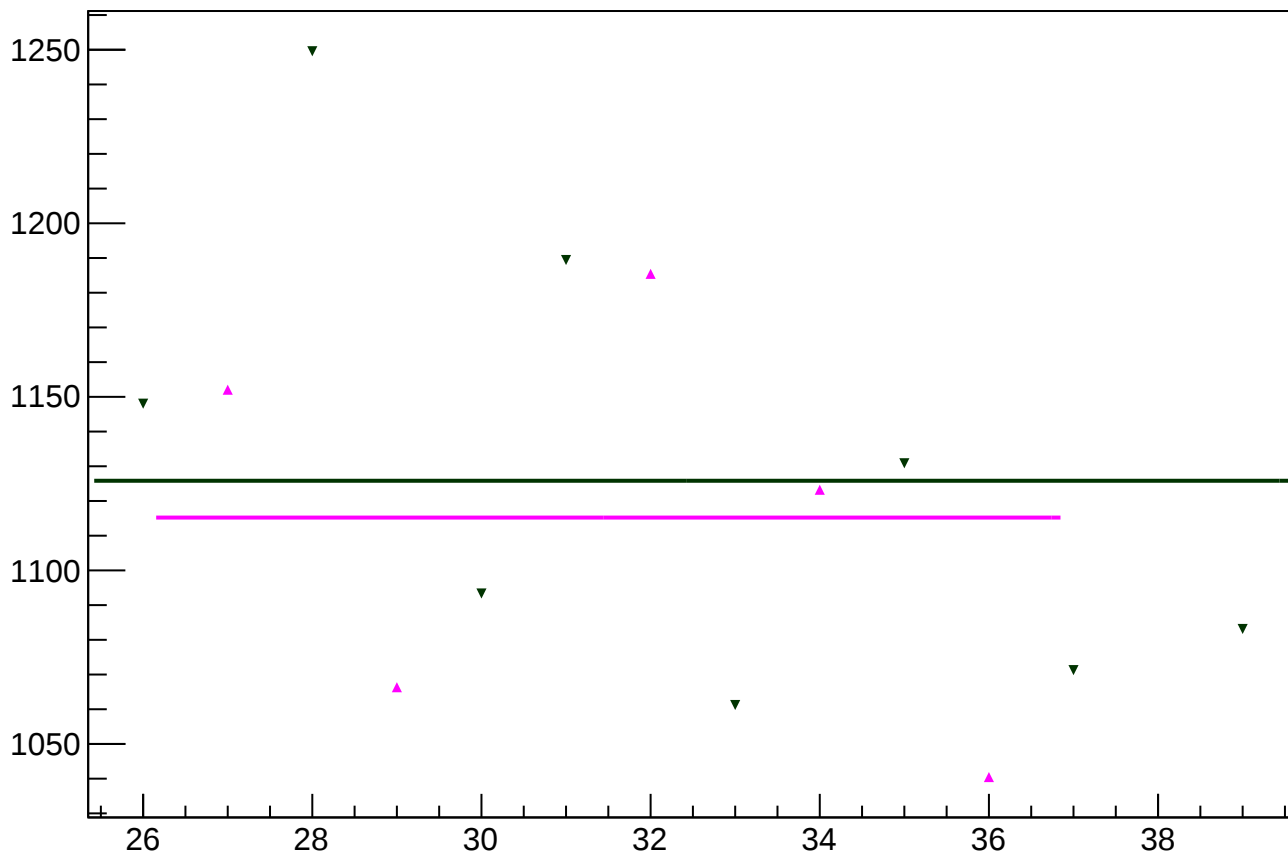
1298.986+/-560.309  $\chi^2/\text{NDF}$ : 4.0/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-418.112+/-599.633  $\chi^2/\text{NDF}$ : 6.9/4

Left In: -418.112+/-599.633  $\chi^2/\text{NDF}$ : 6.9/4

# asym\_atl1\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1125.825+/-0.396  $\chi^2/\text{NDF}$ : 25459.5/7

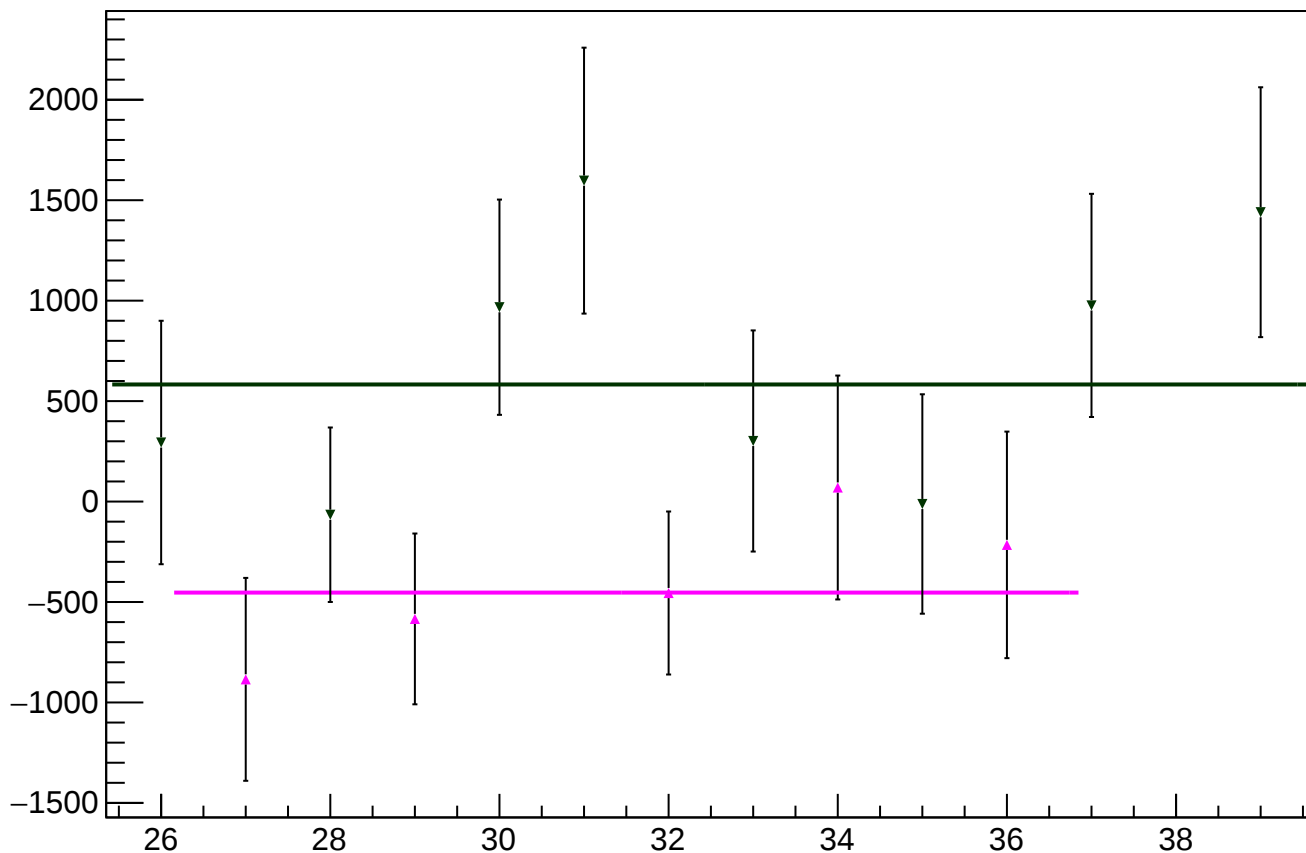
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1115.220+/-0.424  $\chi^2/\text{NDF}$ : 16105.1/4

1125.825+/-0.396  $\chi^2/\text{NDF}$ : 25459.5/7

1115.220+/-0.424  $\chi^2/\text{NDF}$ : 16105.1/4

# reg\_asym\_atl2\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 582.825+/-195.087  $\chi^2/\text{NDF}$ : 9.2/7

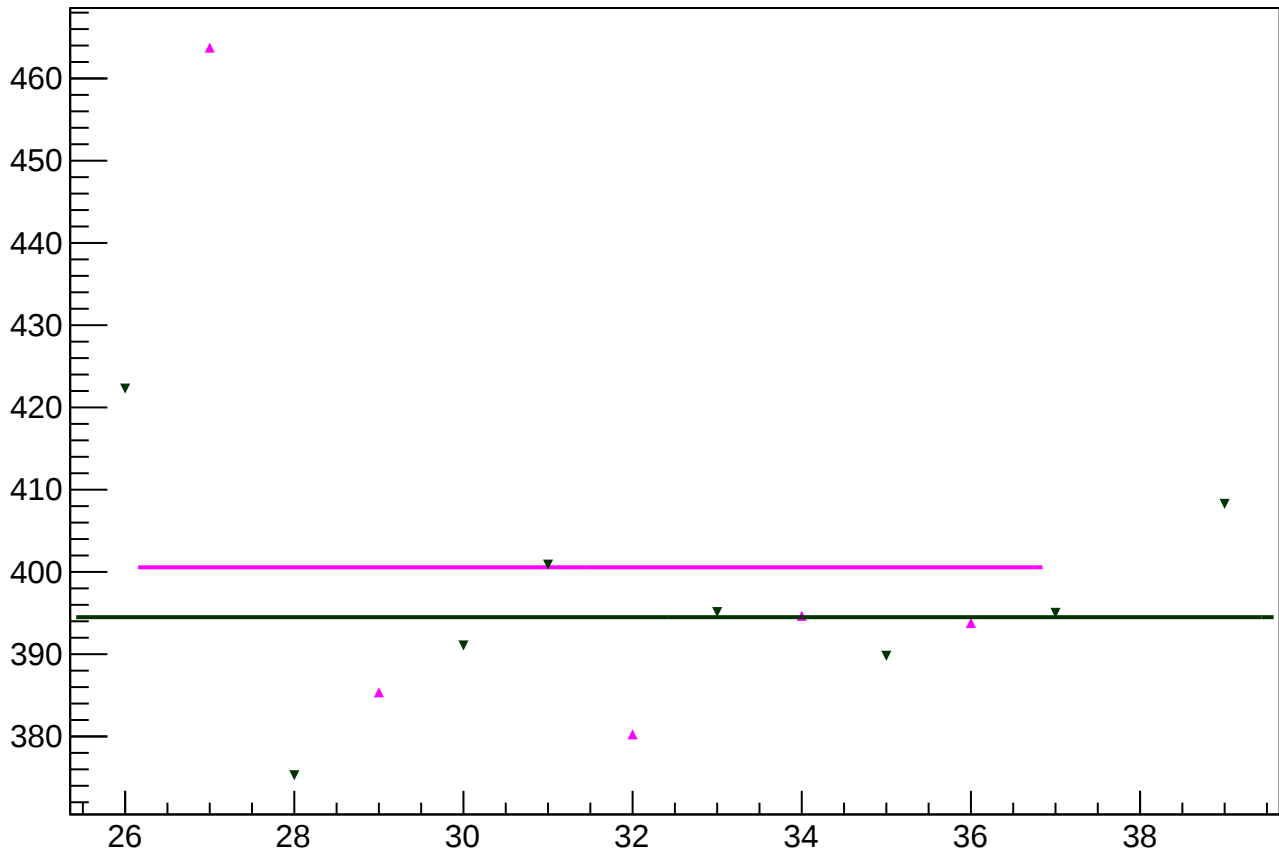
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -453.106+/-213.698  $\chi^2/\text{NDF}$ : 1.9/4

582.825+/-195.087  $\chi^2/\text{NDF}$ : 9.2/7

-453.106+/-213.698  $\chi^2/\text{NDF}$ : 1.9/4

# reg\_asym\_atl2\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 394.501+/-0.138  $\chi^2/\text{NDF}$ : 9527.8/7

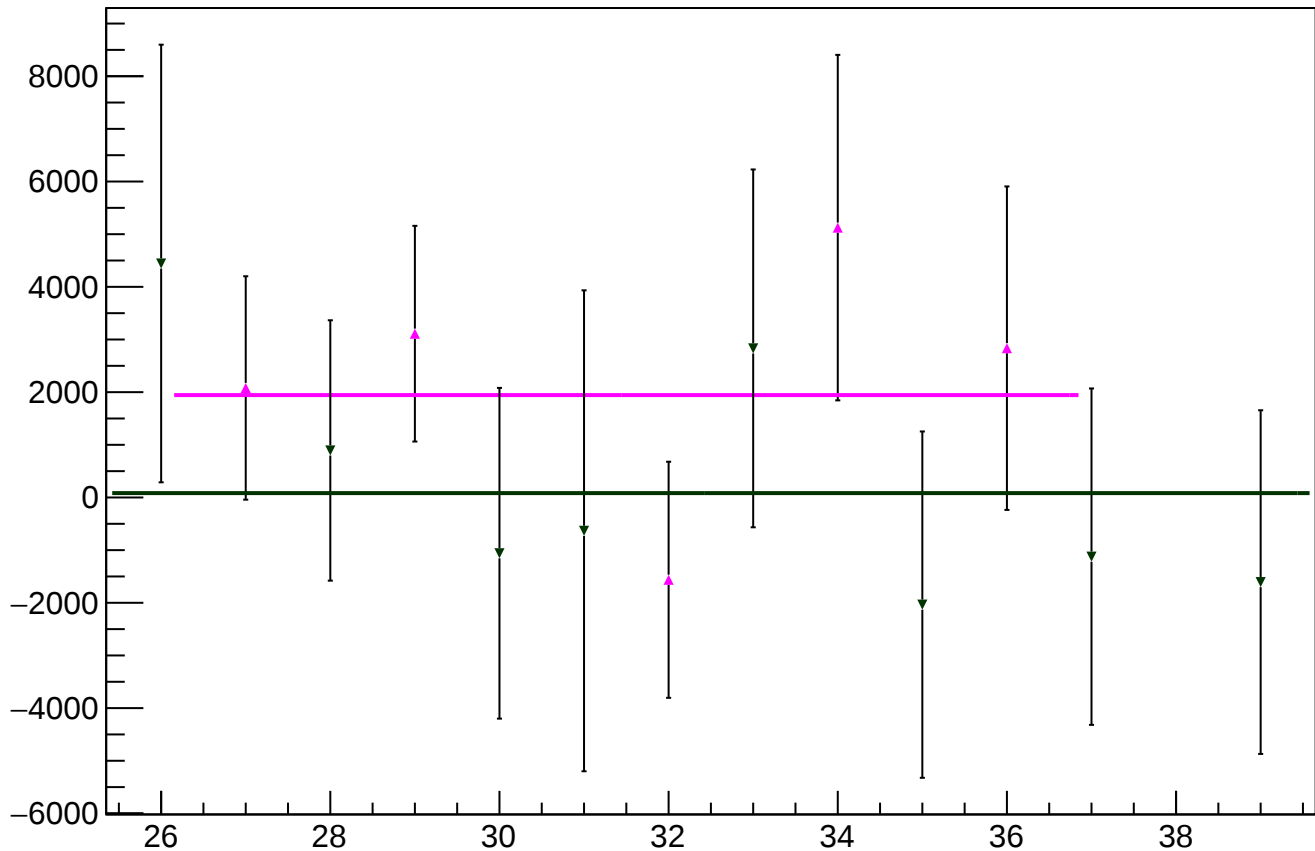
394.501+/-0.138  $\chi^2/\text{NDF}$ : 9527.8/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

400.565+/-0.151  $\chi^2/\text{NDF}$ : 39393.2/4

Left In: 400.565+/-0.151  $\chi^2/\text{NDF}$ : 39393.2/4

# asym\_atl2\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 83.088+/-1161.005  $\chi^2/\text{NDF}$ : 2.8/7

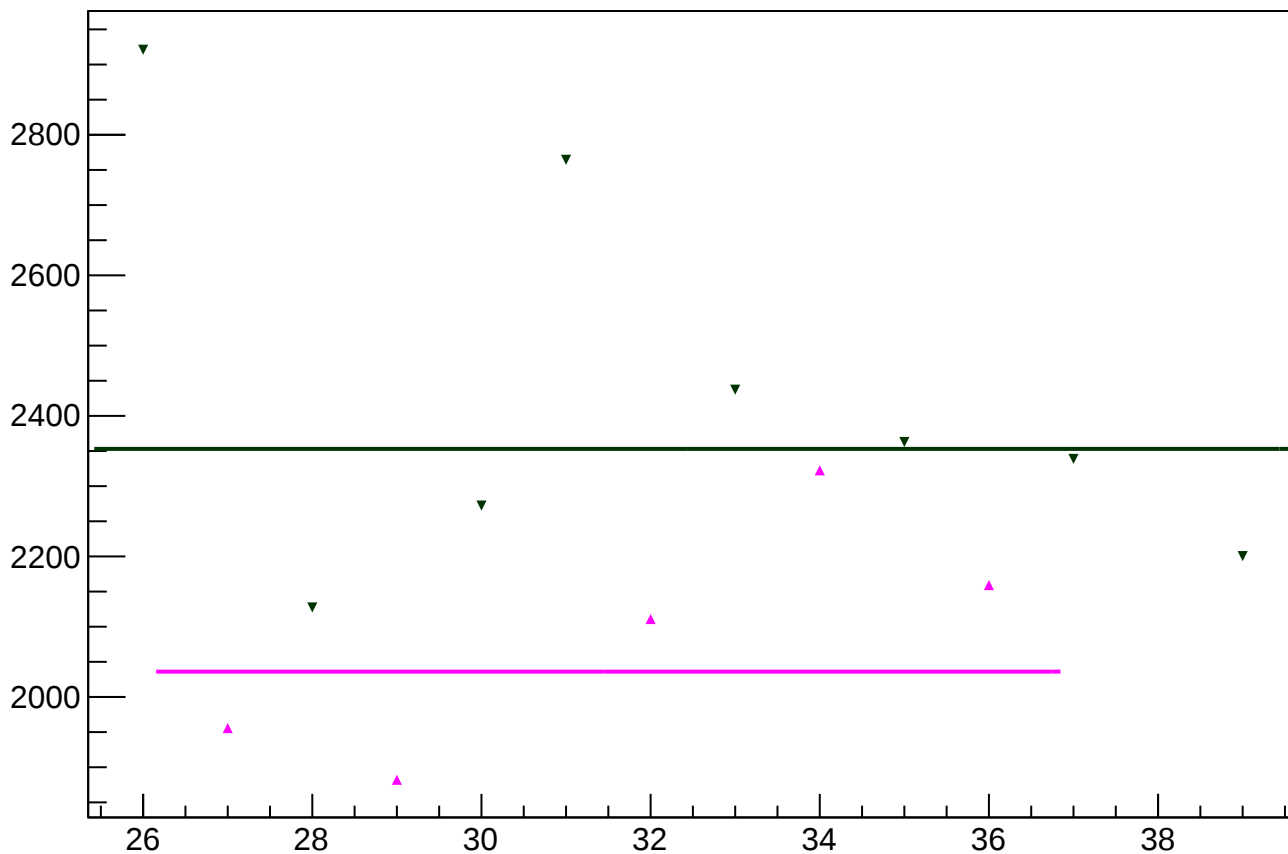
83.088+/-1161.005  $\chi^2/\text{NDF}$ : 2.8/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1944.552+/-1079.244  $\chi^2/\text{NDF}$ : 3.8/4

1944.552+/-1079.244  $\chi^2/\text{NDF}$ : 3.8/4

# asym\_atl2\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2353.041+/-0.821  $\chi^2/\text{NDF}$ : 77238.6/7

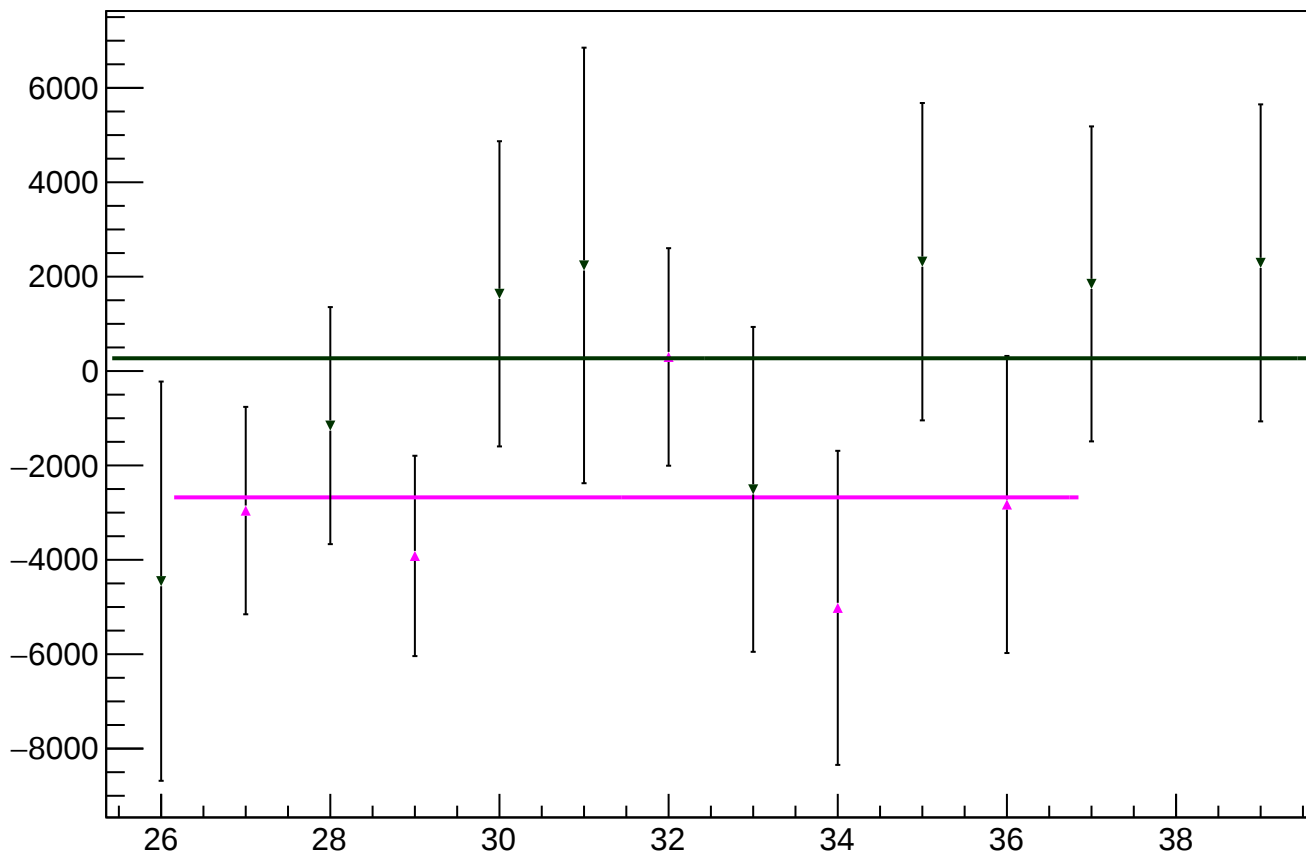
2353.041+/-0.821  $\chi^2/\text{NDF}$ : 77238.6/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

2036.066+/-0.763  $\chi^2/\text{NDF}$ : 34863.7/4

Left In: 2036.066+/-0.763  $\chi^2/\text{NDF}$ : 34863.7/4

# asym\_atl2\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 270.710+/-1188.192  $\chi^2/\text{NDF}$ : 3.5/7

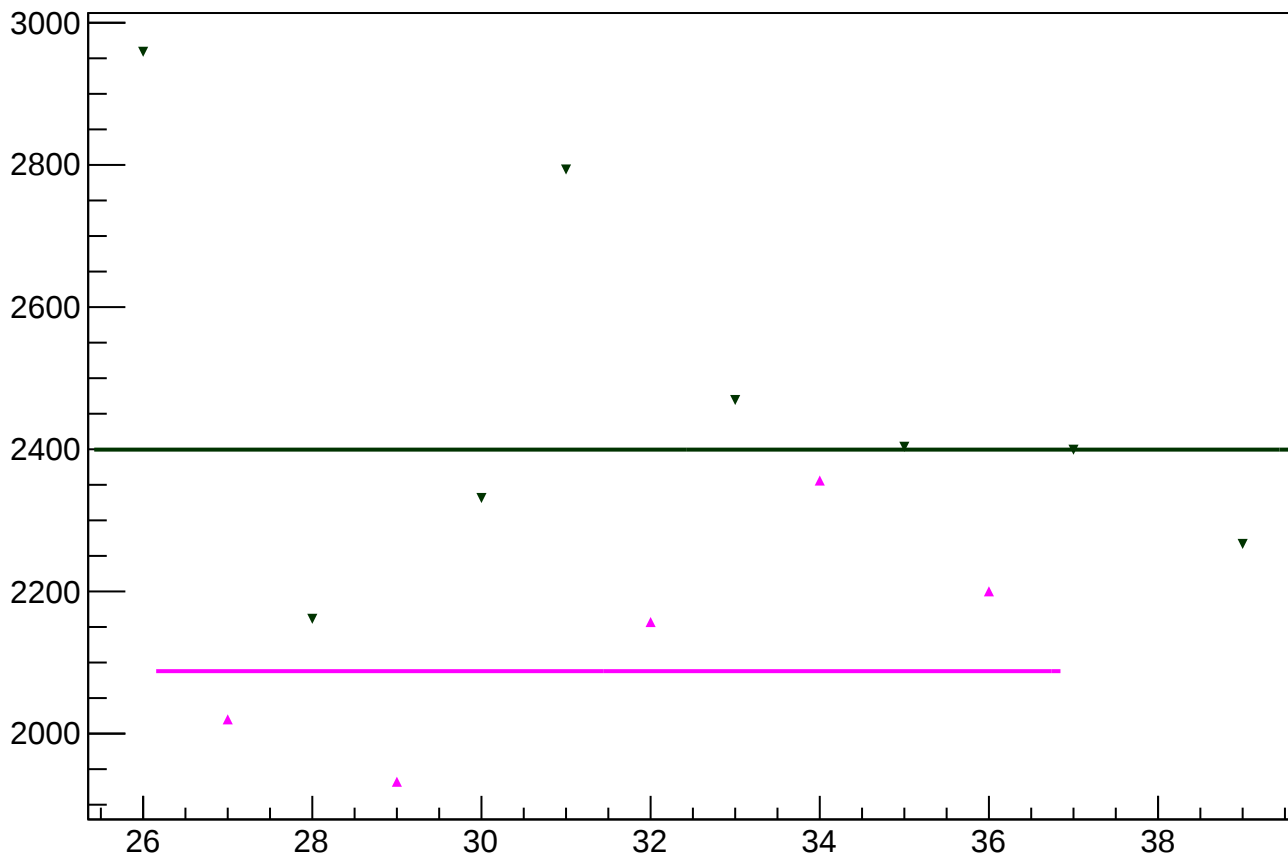
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2676.592+/-1112.084  $\chi^2/\text{NDF}$ : 2.5/4

270.710+/-1188.192  $\chi^2/\text{NDF}$ : 3.5/7

-2676.592+/-1112.084  $\chi^2/\text{NDF}$ : 2.5/4

# asym\_atl2\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2399.518+/-0.840  $\chi^2/\text{NDF}$ : 72390.9/7

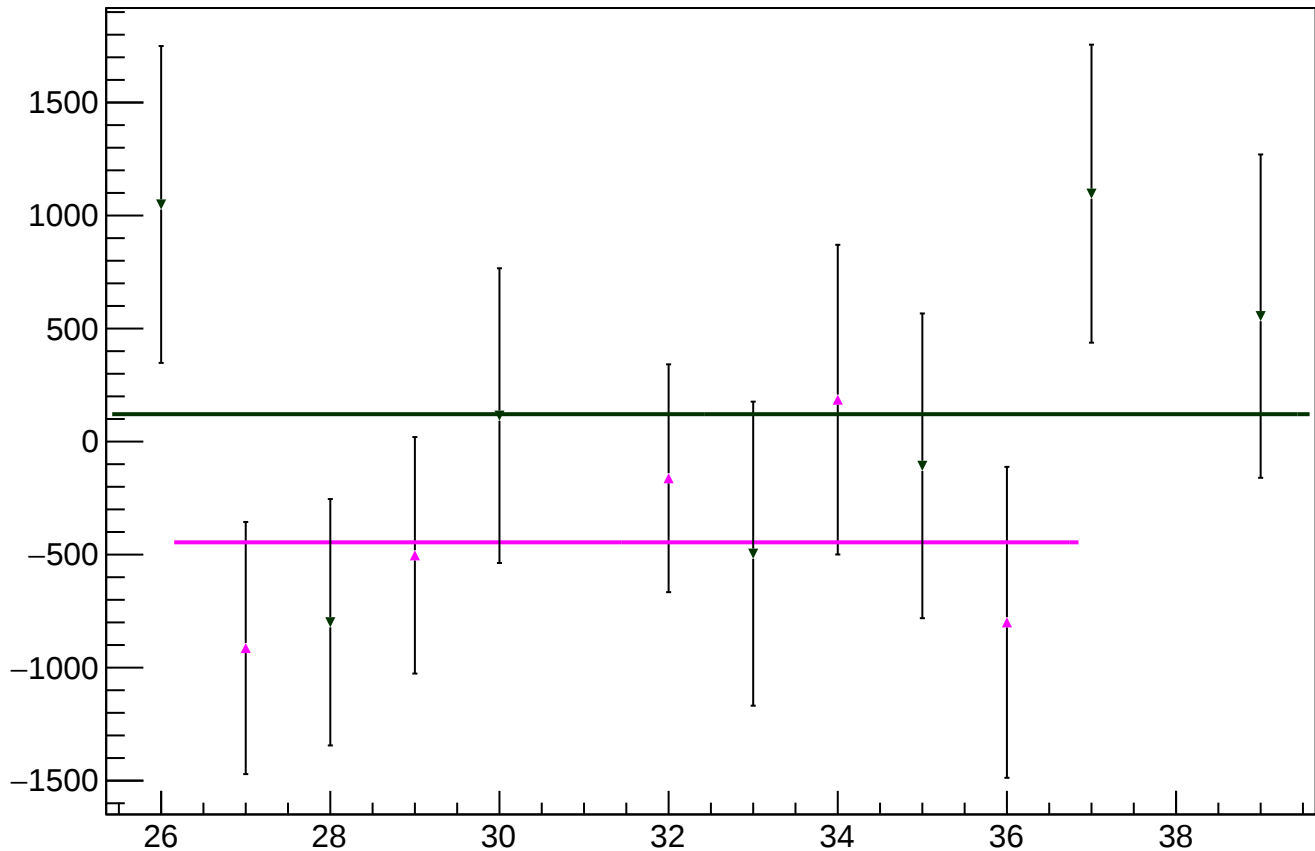
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2087.864+/-0.786  $\chi^2/\text{NDF}$ : 29979.1/4

2399.518+/-0.840  $\chi^2/\text{NDF}$ : 72390.9/7

2087.864+/-0.786  $\chi^2/\text{NDF}$ : 29979.1/4

# reg\_asym\_atr1\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 121.228+/-246.752  $\chi^2/\text{NDF}$ : 8.1/6

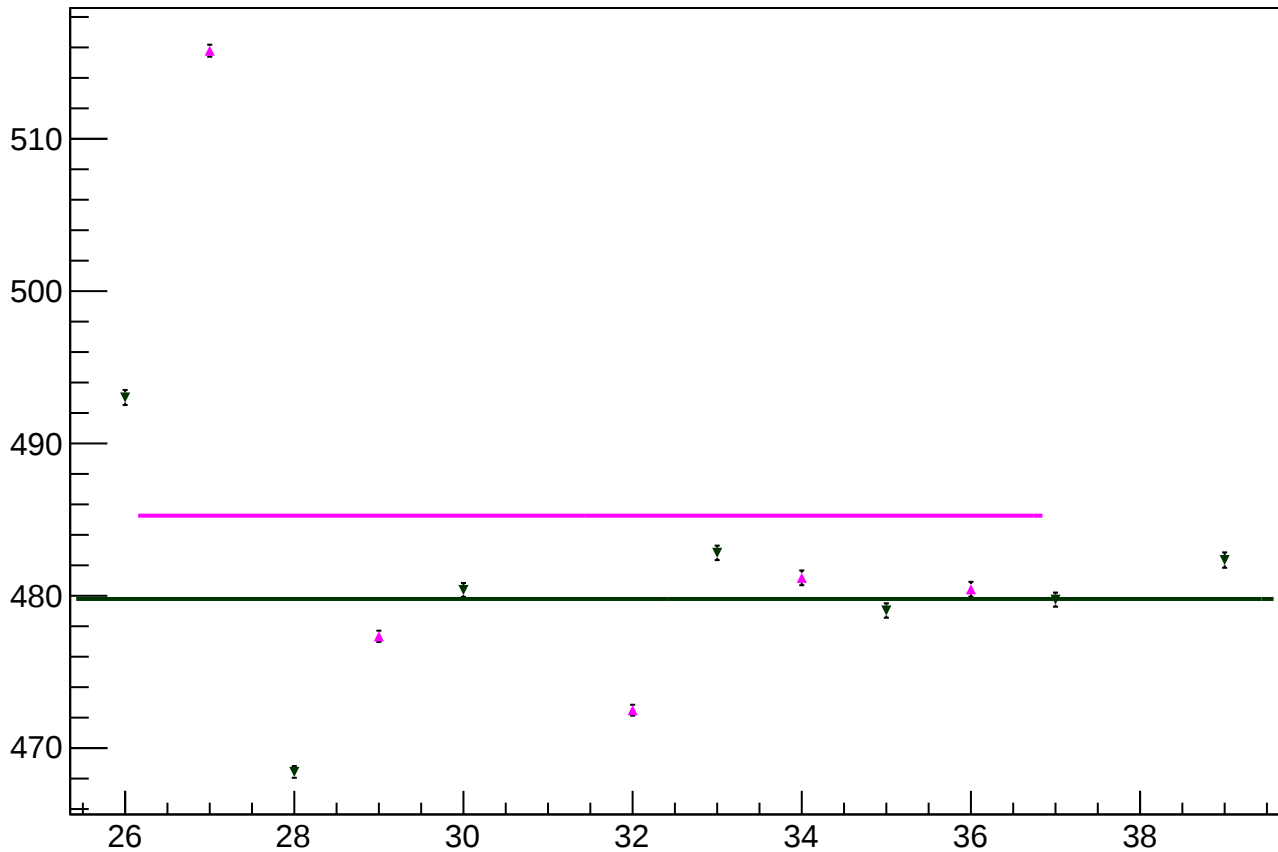
121.228+/-246.752  $\chi^2/\text{NDF}$ : 8.1/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-445.658+/-257.758  $\chi^2/\text{NDF}$ : 2.1/4

Left In: -445.658+/-257.758  $\chi^2/\text{NDF}$ : 2.1/4

# reg\_asym\_atr1\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 479.790+/-0.174  $\chi^2/\text{NDF}$ : 1650.5/6

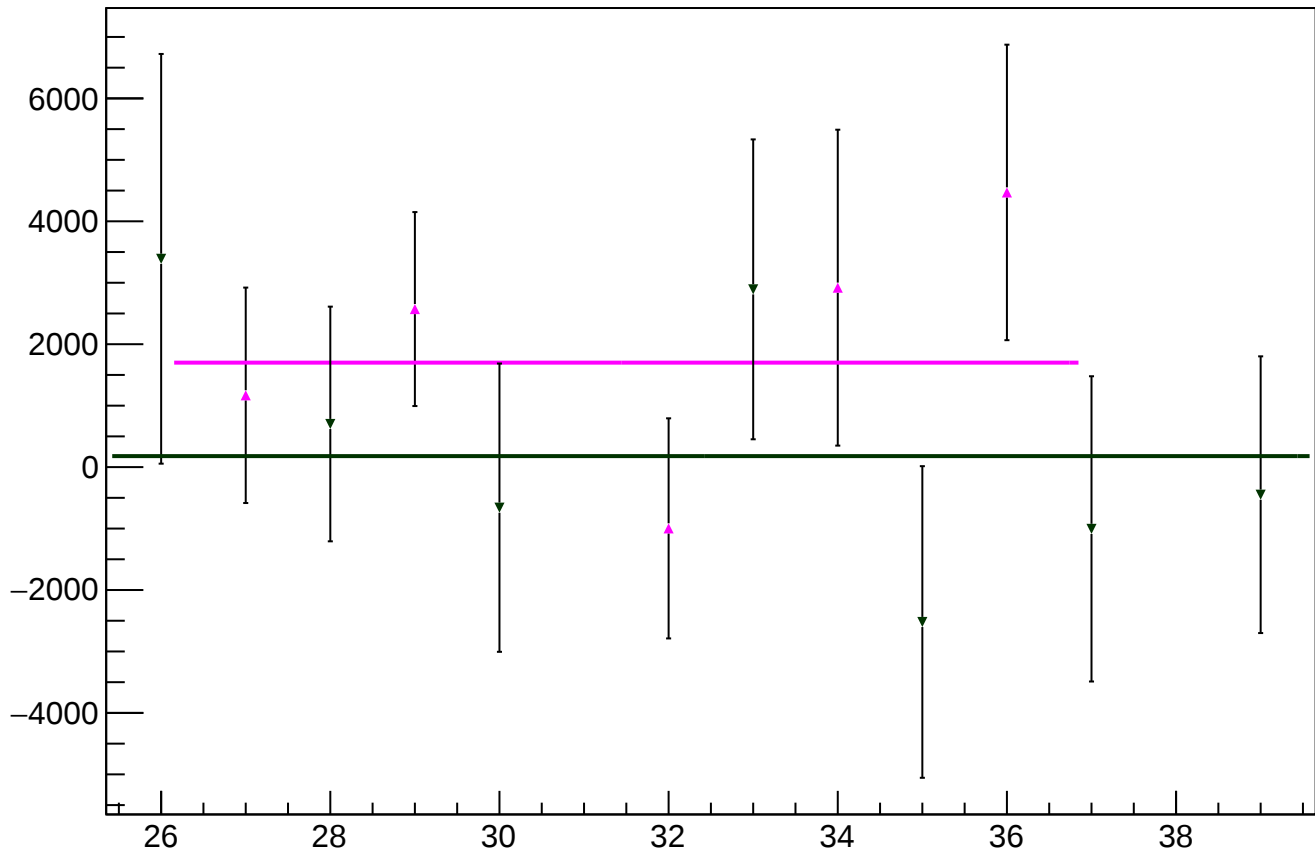
479.790+/-0.174  $\chi^2/\text{NDF}$ : 1650.5/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

485.260+/-0.182  $\chi^2/\text{NDF}$ : 7904.0/4

Left In: 485.260+/-0.182  $\chi^2/\text{NDF}$ : 7904.0/4

# asym\_atr1\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 178.968+/-902.103  $\chi^2/\text{NDF}$ : 3.8/6

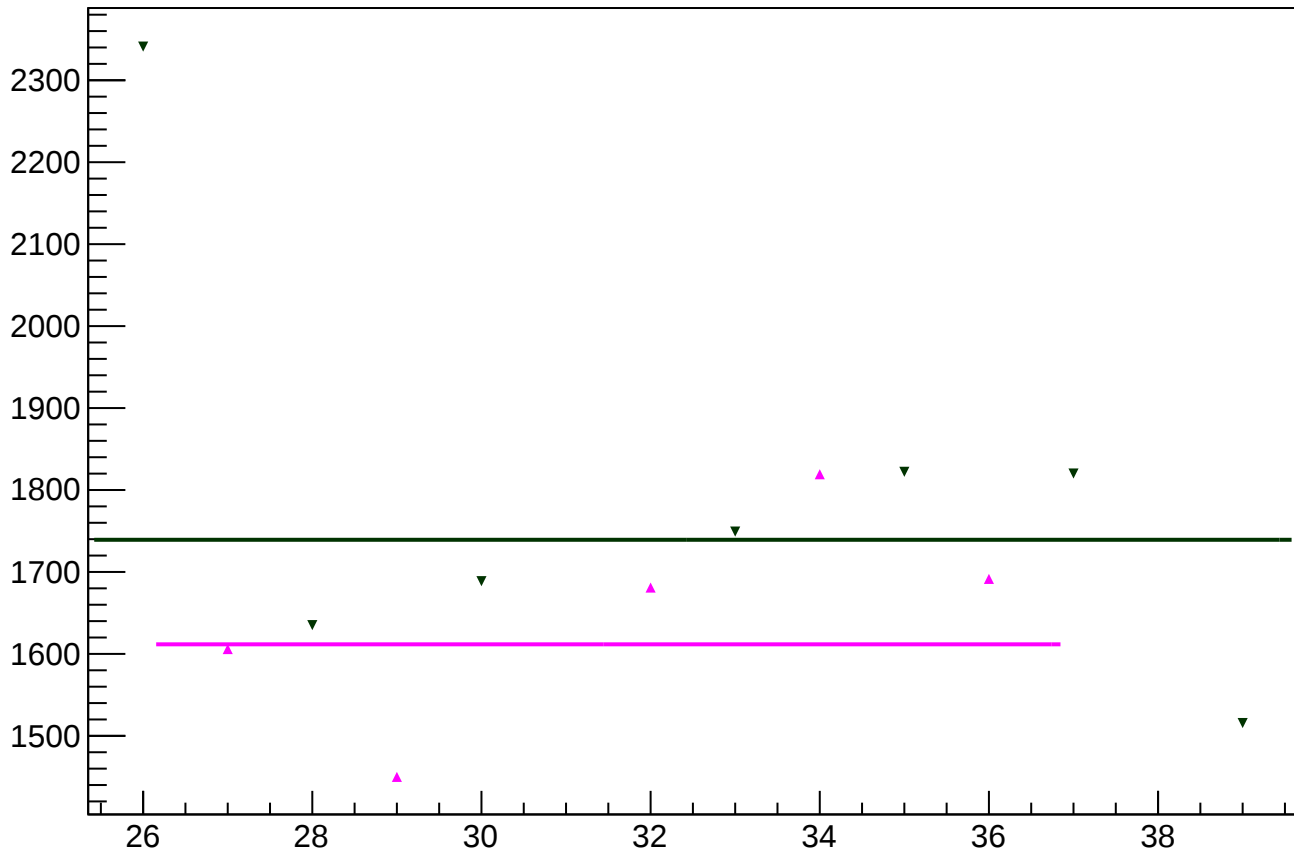
178.968+/-902.103  $\chi^2/\text{NDF}$ : 3.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1700.035+/-856.522  $\chi^2/\text{NDF}$ : 4.2/4

Left In: 1700.035+/-856.522  $\chi^2/\text{NDF}$ : 4.2/4

# asym\_atr1\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1739.257+/-0.638  $\chi^2/\text{NDF}$ : 96078.8/6

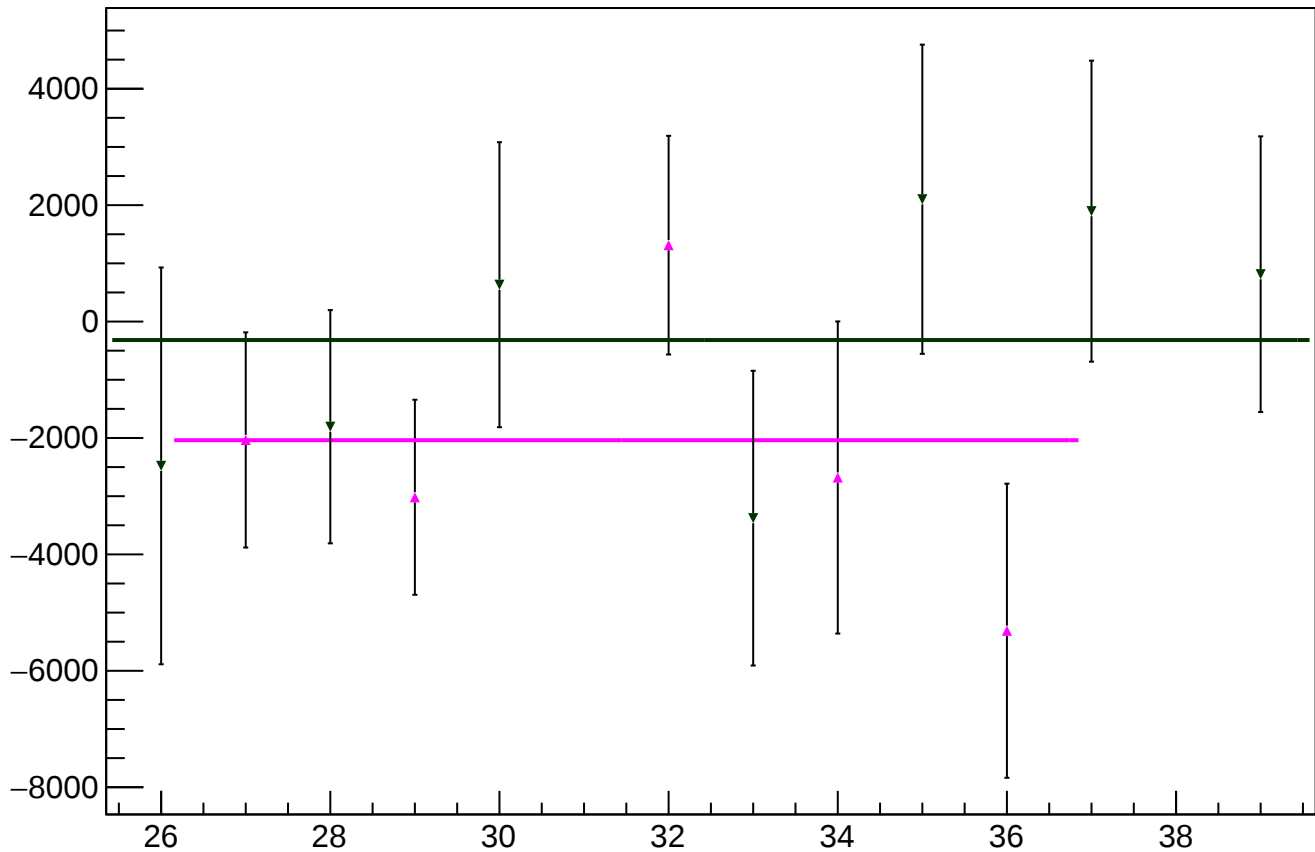
1739.257+/-0.638  $\chi^2/\text{NDF}$ : 96078.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1611.691+/-0.606  $\chi^2/\text{NDF}$ : 39271.3/4

Left In: 1611.691+/-0.606  $\chi^2/\text{NDF}$ : 39271.3/4

# asym\_atr1\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -317.123+/-941.732  $\chi^2/\text{NDF}$ : 4.4/6

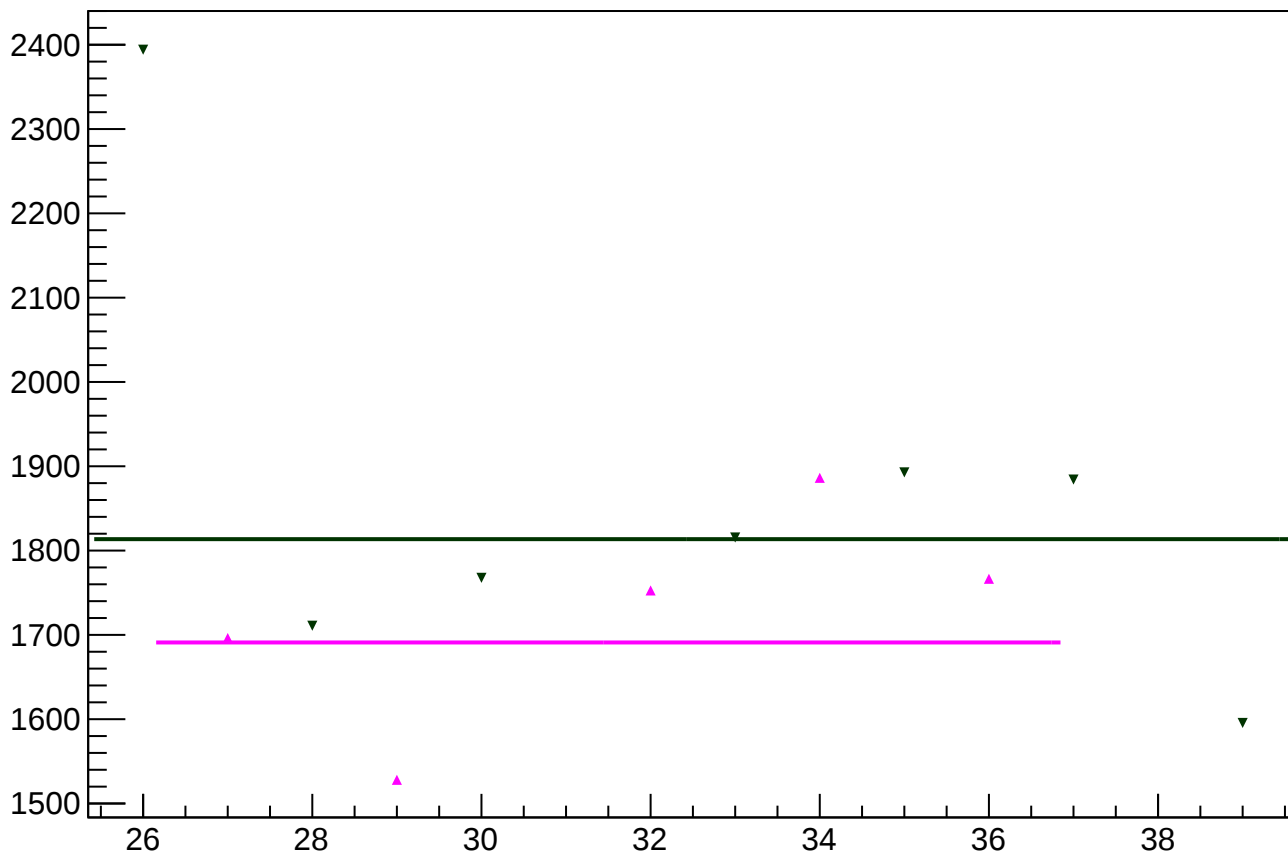
-317.123+/-941.732  $\chi^2/\text{NDF}$ : 4.4/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-2038.412+/-902.338  $\chi^2/\text{NDF}$ : 5.3/4

Left In: -2038.412+/-902.338  $\chi^2/\text{NDF}$ : 5.3/4

# asym\_atr1\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 1813.550+/-0.666  $\chi^2$ /NDF:84204.3/6

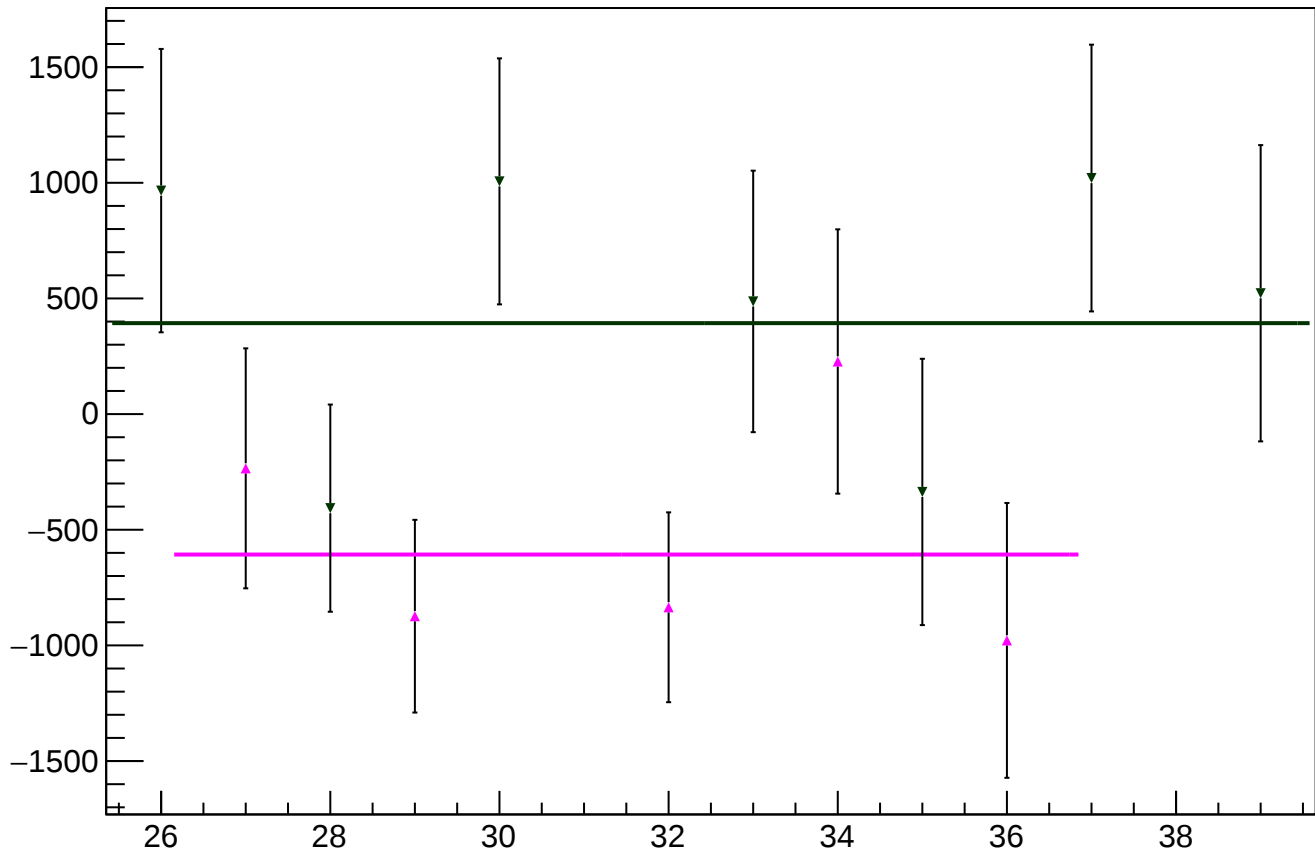
Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 1691.008+/-0.638  $\chi^2$ /NDF:33486.2/4

1813.550+/-0.666  $\chi^2$ /NDF: 84204.3/6

1691.008+/-0.638  $\chi^2$ /NDF: 33486.2/4

# reg\_asym\_atr2\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 393.231+/-209.522  $\chi^2/\text{NDF}$ : 8.3/6

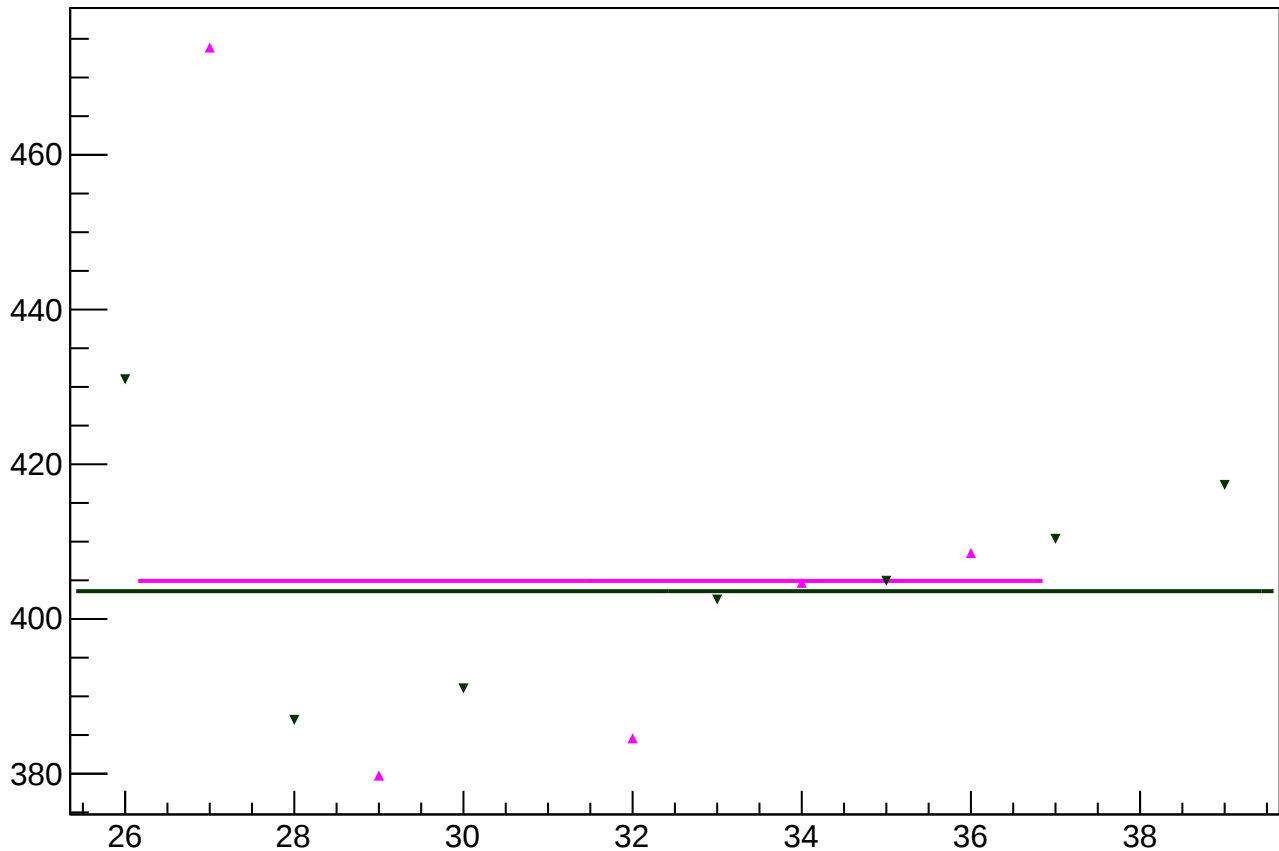
393.231+/-209.522  $\chi^2/\text{NDF}$ : 8.3/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-607.198+/-216.608  $\chi^2/\text{NDF}$ : 3.8/4

Left In: -607.198+/-216.608  $\chi^2/\text{NDF}$ : 3.8/4

# reg\_asym\_atr2\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 403.596+/-0.148  $\chi^2/\text{NDF}$ : 9088.3/6

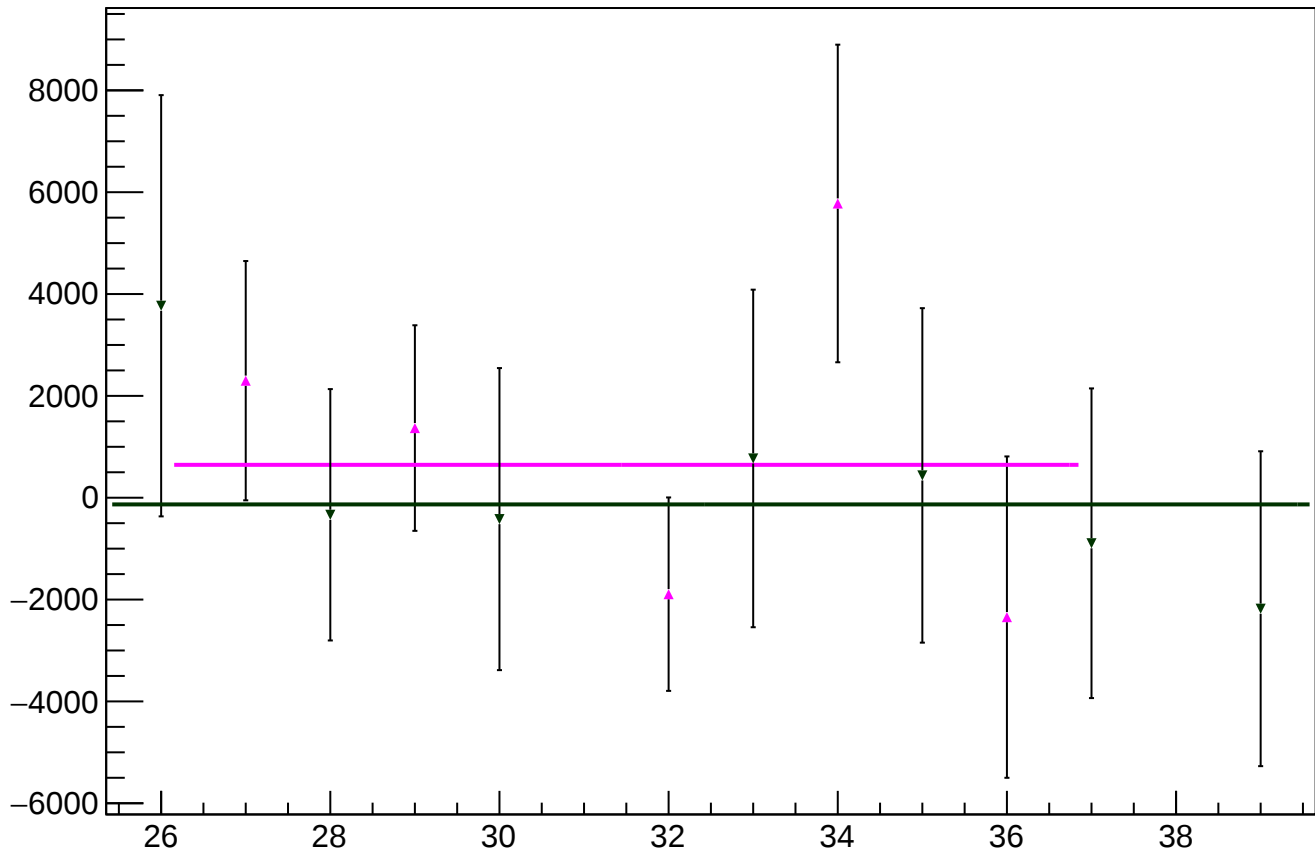
403.596+/-0.148  $\chi^2/\text{NDF}$ : 9088.3/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

404.919+/-0.153  $\chi^2/\text{NDF}$ : 47626.3/4

Left In: 404.919+/-0.153  $\chi^2/\text{NDF}$ : 47626.3/4

# asym\_atr2\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -131.335+/-1168.216  $\chi^2/\text{NDF}$ : 1.5/6

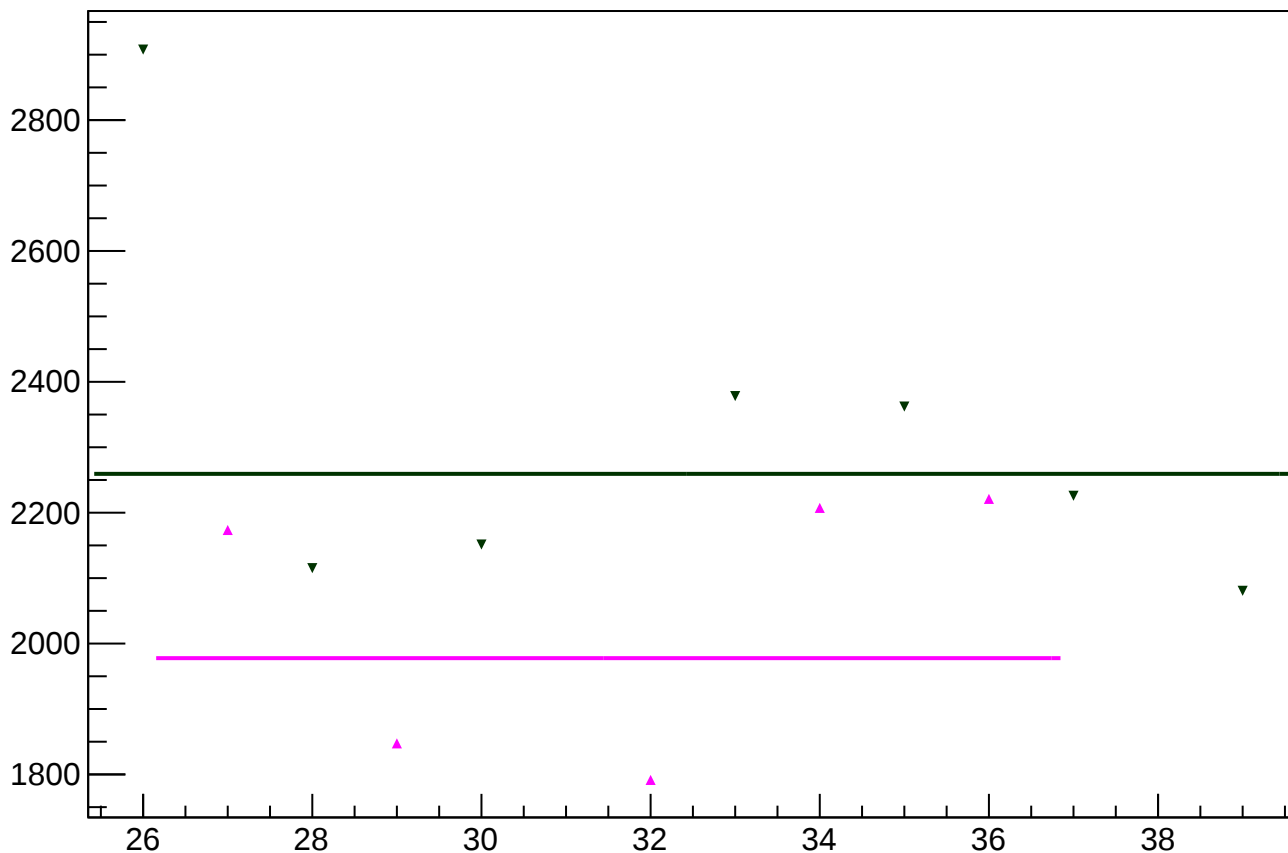
-131.335+/-1168.216  $\chi^2/\text{NDF}$ : 1.5/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

645.839+/-1050.018  $\chi^2/\text{NDF}$ : 6.0/4

Left In: 645.839+/-1050.018  $\chi^2/\text{NDF}$ : 6.0/4

# asym\_atr2\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2259.365+/-0.826  $\chi^2/\text{NDF}$ : 70072.7/6

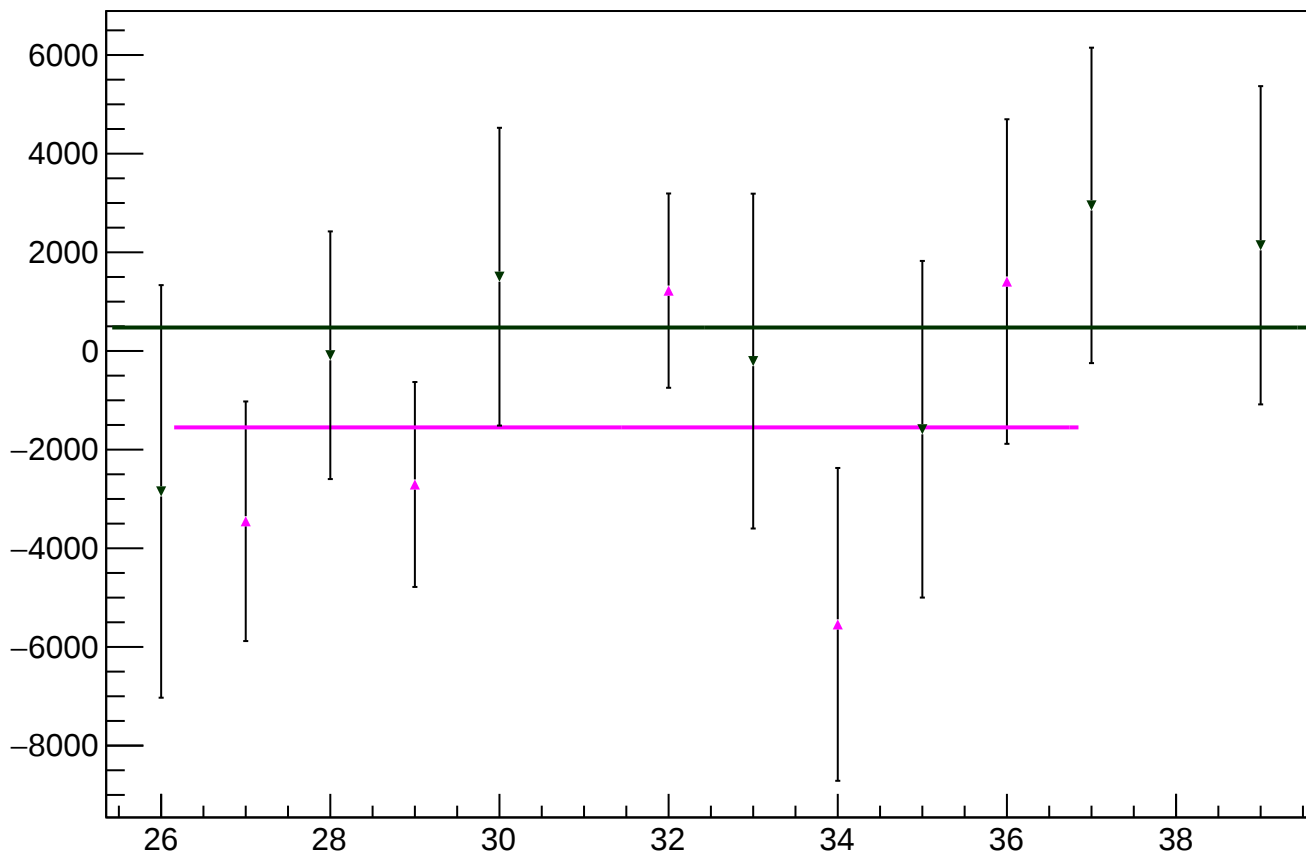
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1977.700+/-0.742  $\chi^2/\text{NDF}$ : 64172.2/4

2259.365+/-0.826  $\chi^2/\text{NDF}$ : 70072.7/6

1977.700+/-0.742  $\chi^2/\text{NDF}$ : 64172.2/4

# asym\_atr2\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 475.822+/-1201.926  $\chi^2/\text{NDF}$ : 2.1/6

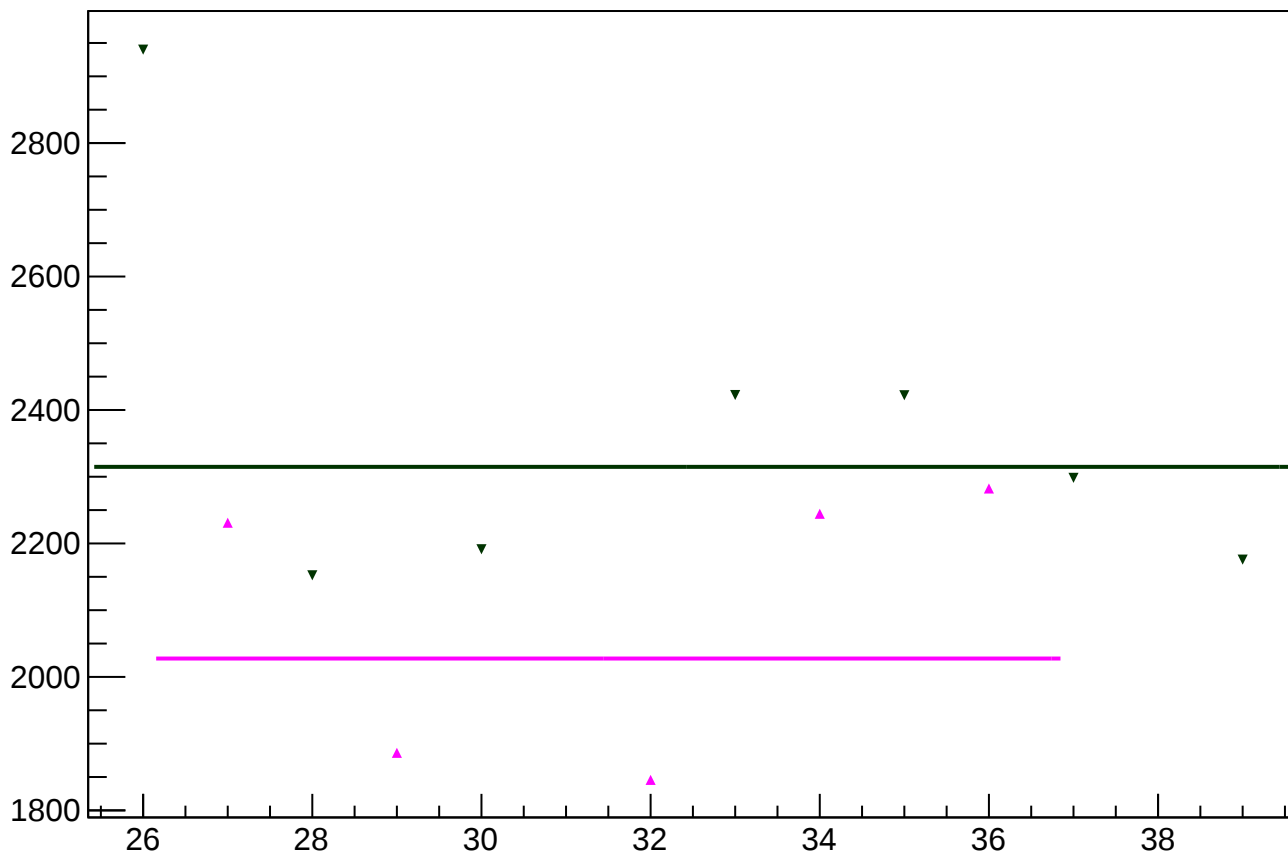
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1549.155+/-1084.043  $\chi^2/\text{NDF}$ : 5.3/4

475.822+/-1201.926  $\chi^2/\text{NDF}$ : 2.1/6

-1549.155+/-1084.043  $\chi^2/\text{NDF}$ : 5.3/4

# asym\_atr2\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2314.787+/-0.850  $\chi^2/\text{NDF}$ : 64185.9/6

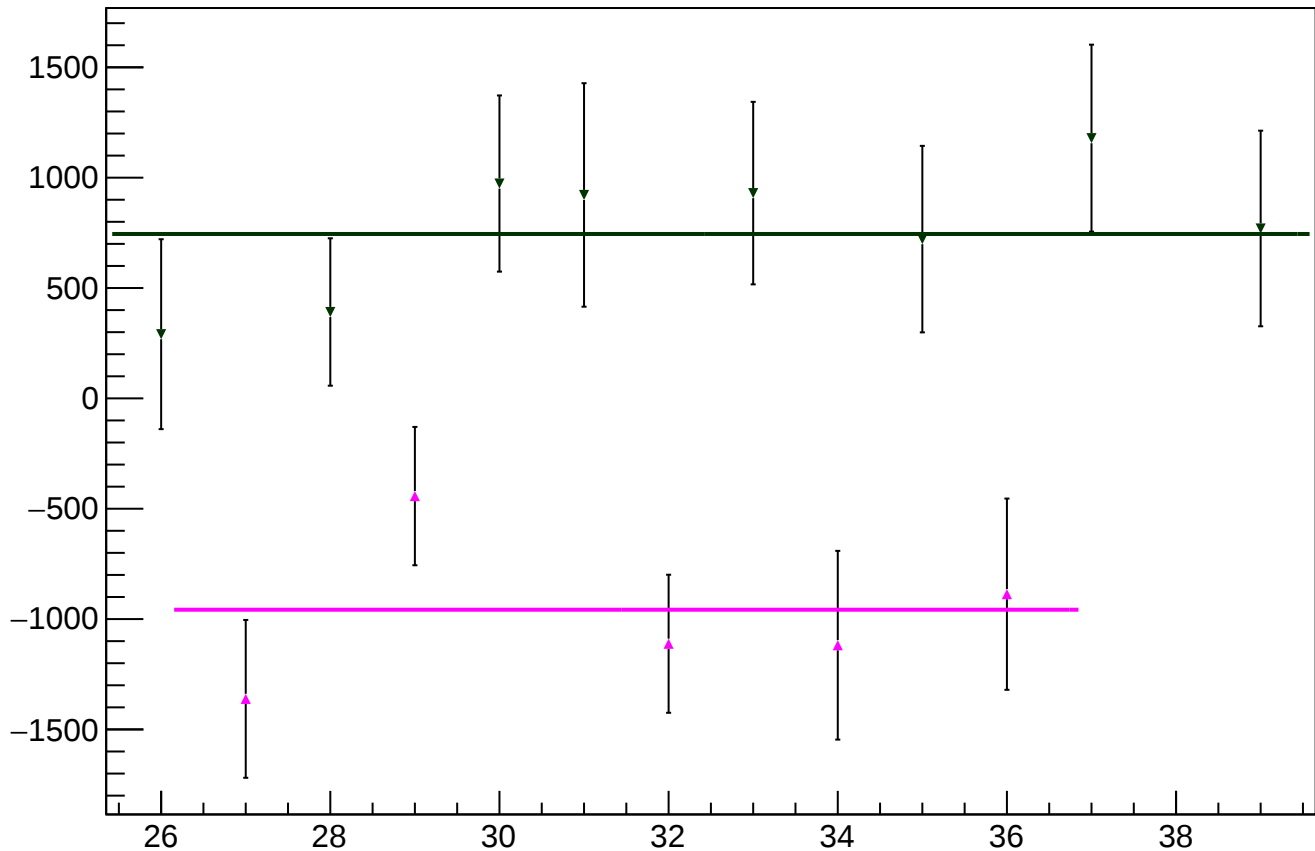
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 2027.550+/-0.767  $\chi^2/\text{NDF}$ : 61707.2/4

2314.787+/-0.850  $\chi^2/\text{NDF}$ : 64185.9/6

2027.550+/-0.767  $\chi^2/\text{NDF}$ : 61707.2/4

# reg\_asym\_atl\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 744.879+/-146.396  $\chi^2/\text{NDF}$ : 3.9/7

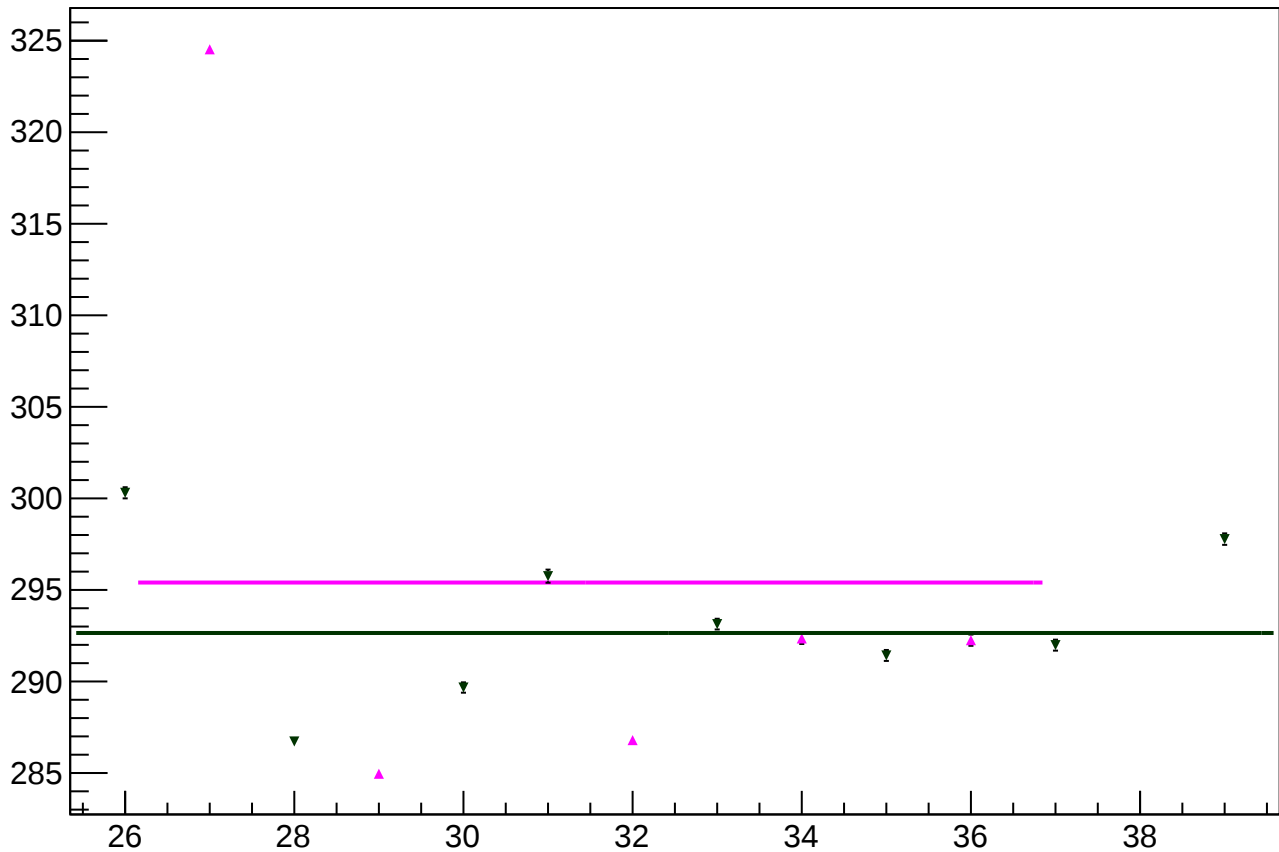
744.879+/-146.396  $\chi^2/\text{NDF}$ : 3.9/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-957.578+/-160.087  $\chi^2/\text{NDF}$ : 4.4/4

Left In: -957.578+/-160.087  $\chi^2/\text{NDF}$ : 4.4/4

# reg\_asym\_atl\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 292.649+/-0.104  $\chi^2/\text{NDF}$ :1742.0/7

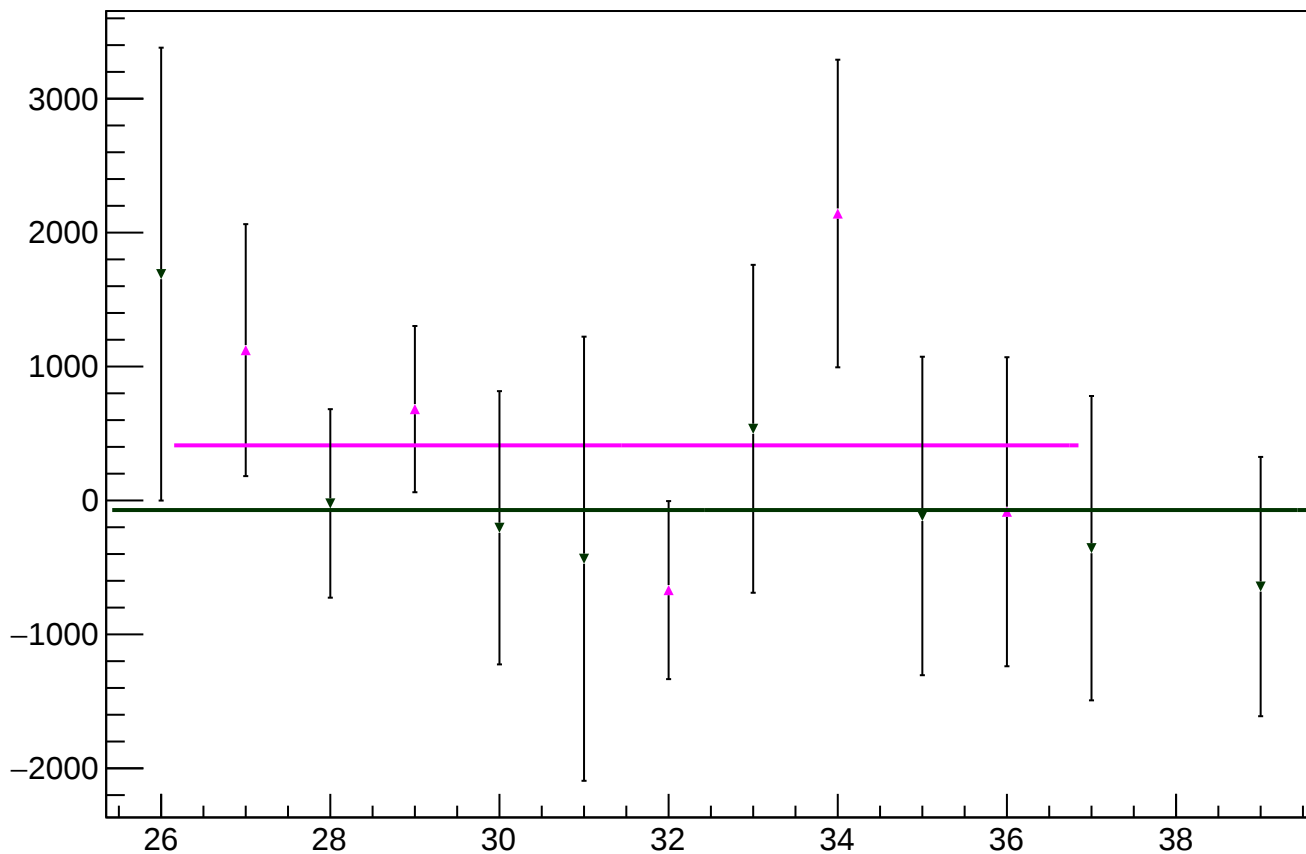
292.649+/-0.104  $\chi^2/\text{NDF}$ : 1742.0/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

295.404+/-0.113  $\chi^2/\text{NDF}$ : 17211.1/4

Left In: 295.404+/-0.113  $\chi^2/\text{NDF}$ :17211.1/4

# asym\_atl\_avg\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -71.586+/-380.442  $\chi^2/\text{NDF}$ : 1.8/7

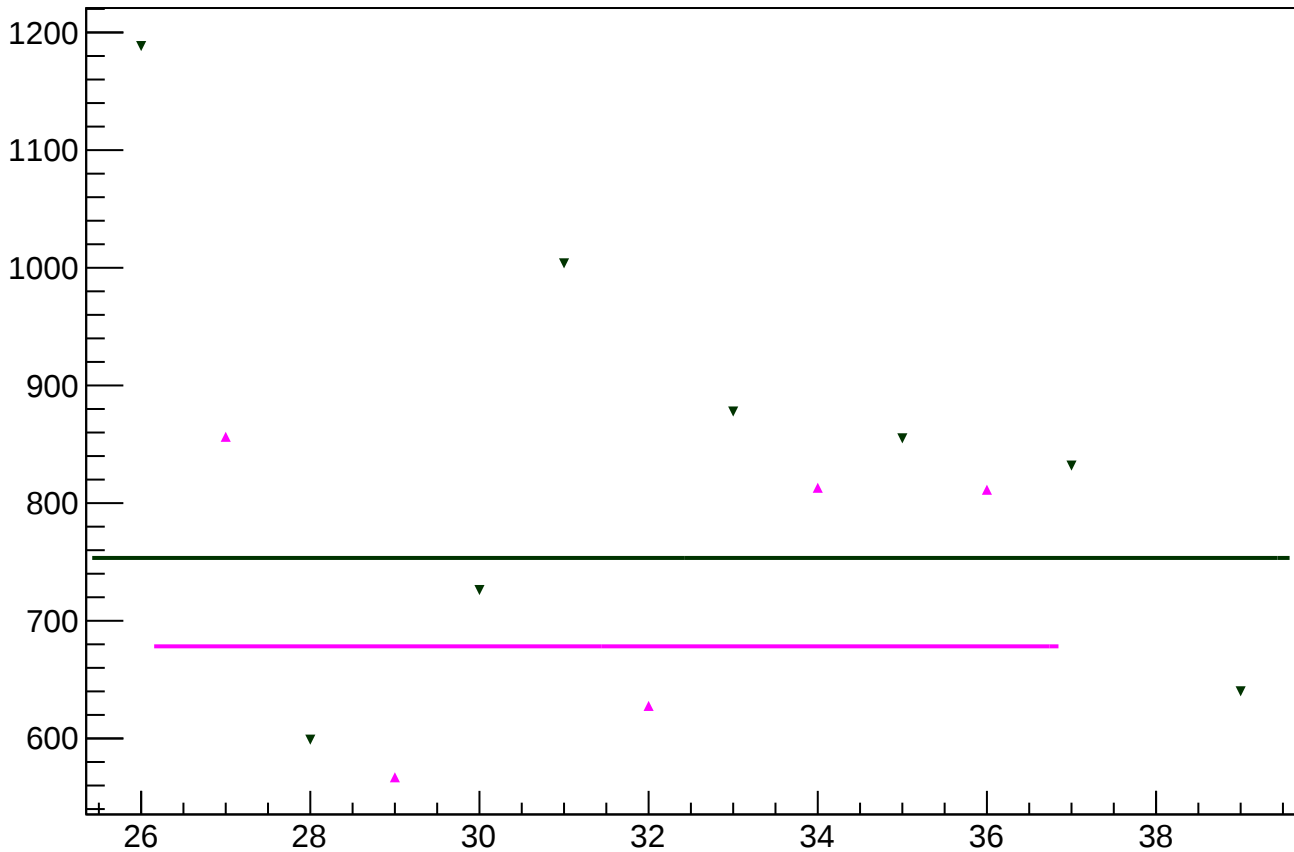
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 411.450+/-365.182  $\chi^2/\text{NDF}$ : 5.9/4

-71.586+/-380.442  $\chi^2/\text{NDF}$ : 1.8/7

411.450+/-365.182  $\chi^2/\text{NDF}$ : 5.9/4

# asym\_atl\_avg\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 753.412+/-0.269  $\chi^2/\text{NDF}$ : 347952.8/7

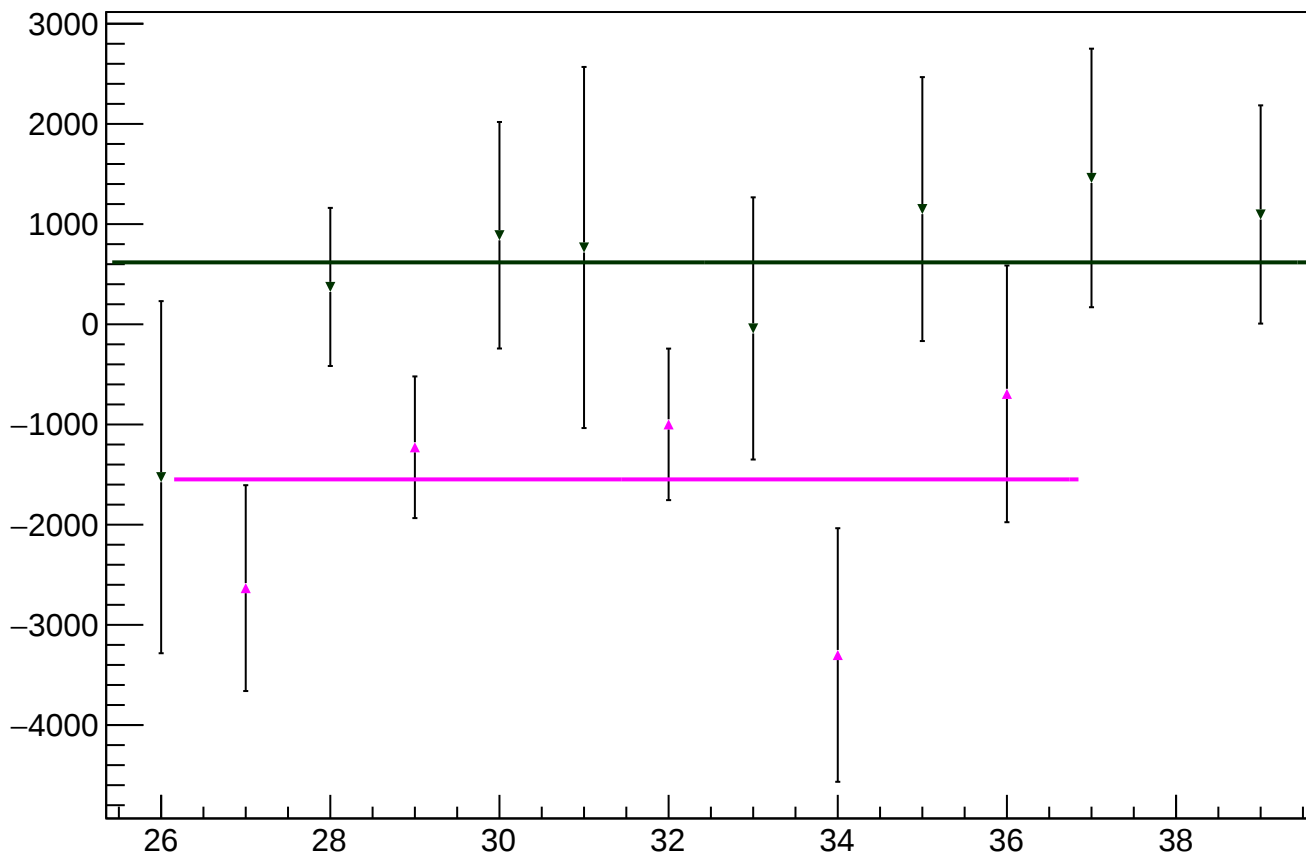
753.412+/-0.269  $\chi^2/\text{NDF}$ : 347952.8/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

678.286+/-0.258  $\chi^2/\text{NDF}$ : 201741.6/4

Left In: 678.286+/-0.258  $\chi^2/\text{NDF}$ : 201741.6/4

# asym\_atl\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 618.076+/-421.668  $\chi^2/\text{NDF}$ : 2.7/7

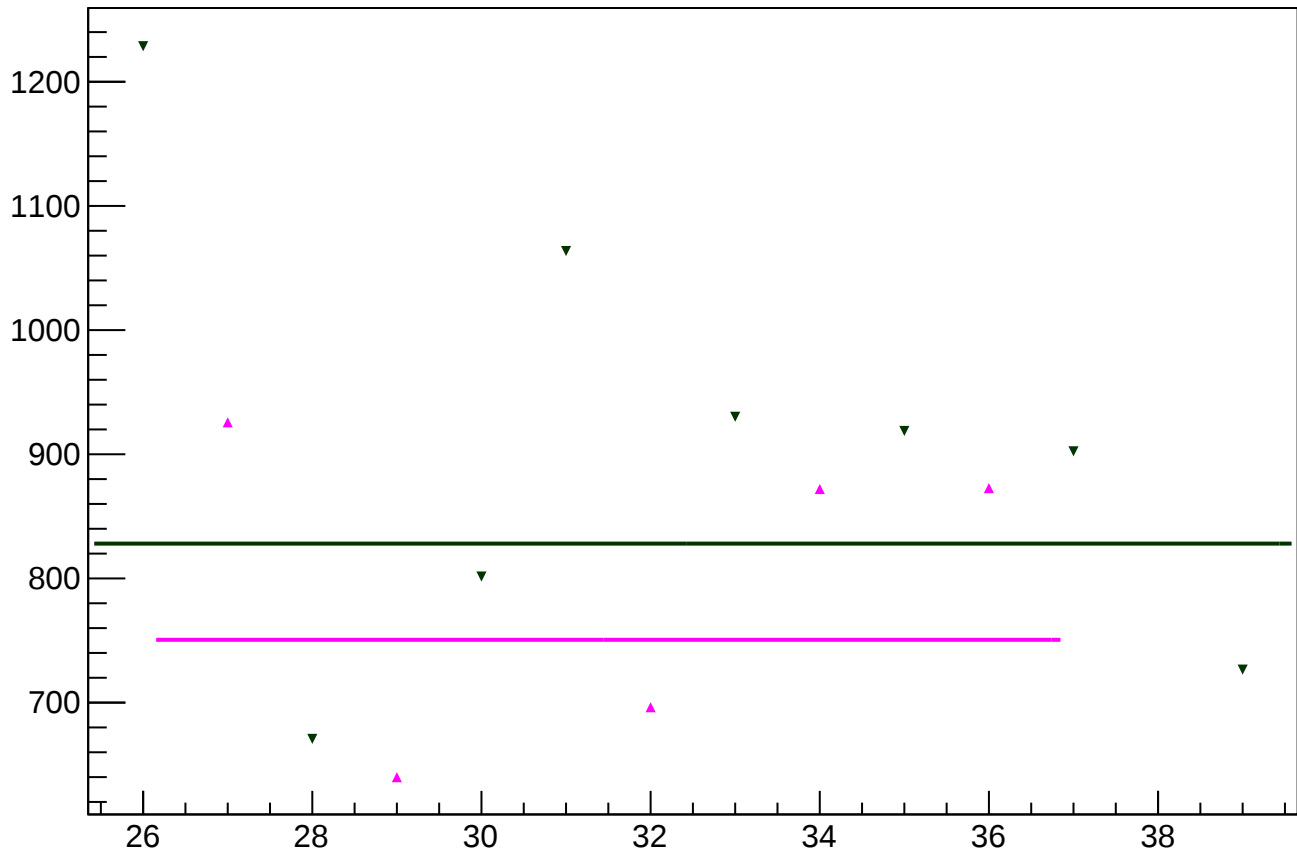
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1548.095+/-410.637  $\chi^2/\text{NDF}$ : 4.2/4

618.076+/-421.668  $\chi^2/\text{NDF}$ : 2.7/7

-1548.095+/-410.637  $\chi^2/\text{NDF}$ : 4.2/4

# asym\_atl\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 828.048+/-0.298  $\chi^2/\text{NDF}$ :264341.0/7

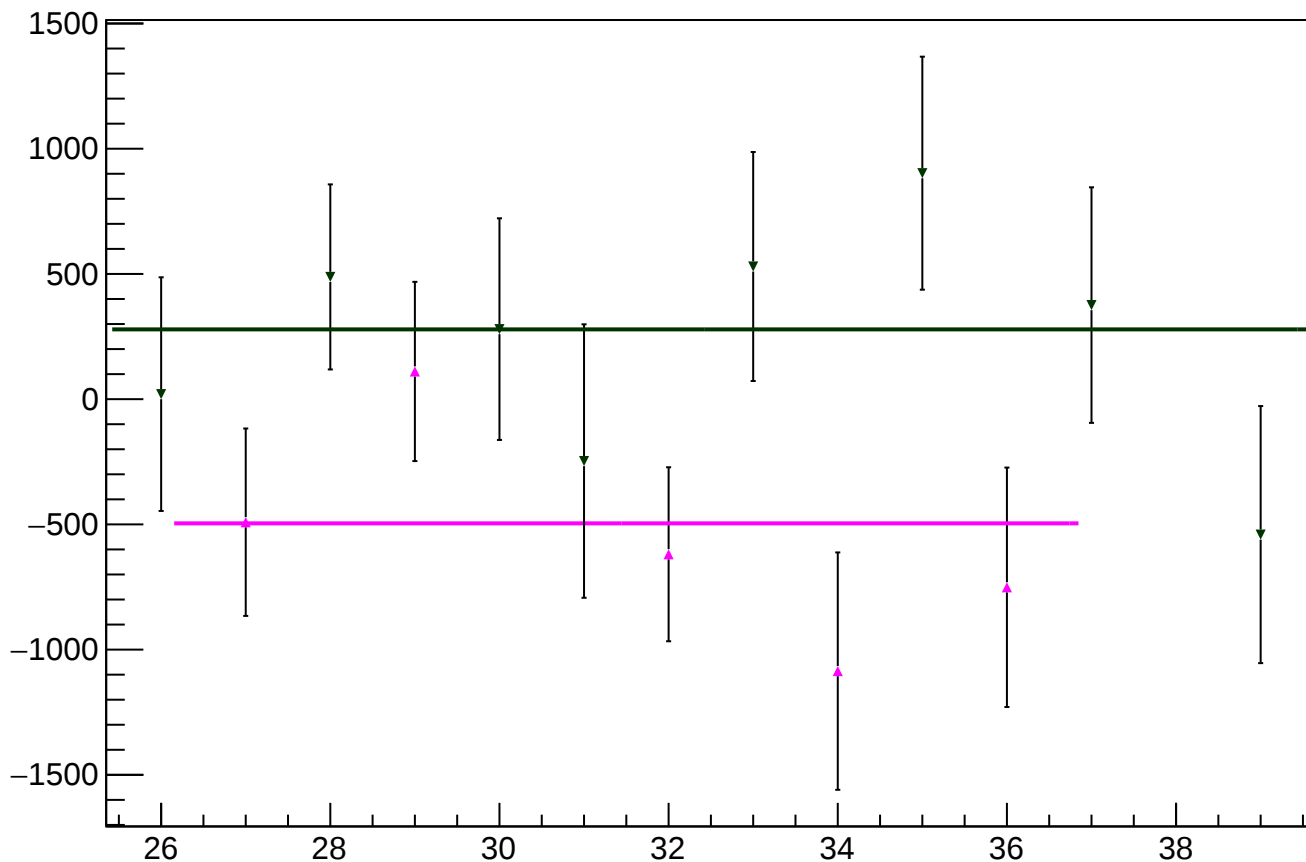
828.048+/-0.298  $\chi^2/\text{NDF}$ : 264341.0/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 750.577+/-0.290  $\chi^2/\text{NDF}$ :154042.6/4

750.577+/-0.290  $\chi^2/\text{NDF}$ : 154042.6/4

reg\_asym\_atl\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 278.619+/-161.994  $\chi^2/\text{NDF}$ : 6.2/7

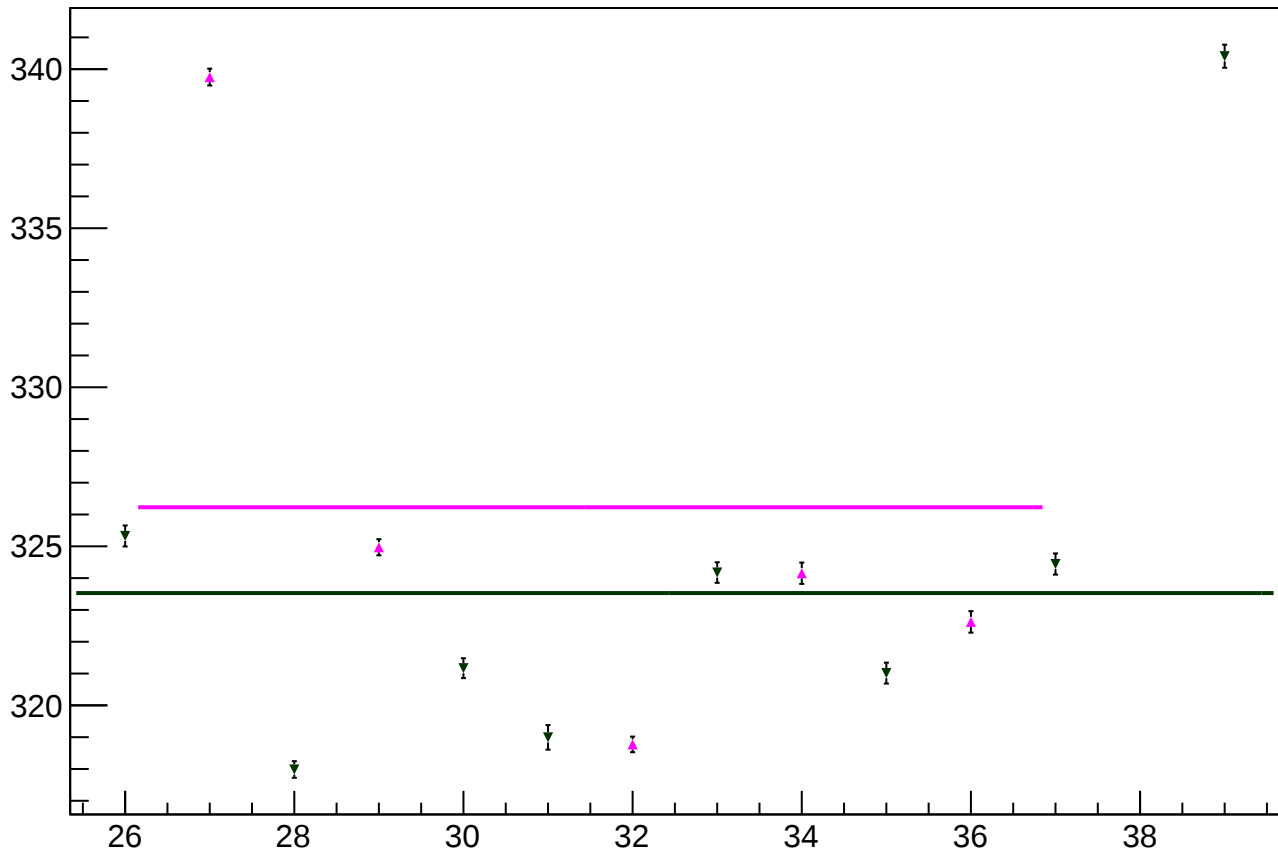
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -495.800+/-176.589  $\chi^2/\text{NDF}$ : 4.8/4

278.619+/-161.994  $\chi^2/\text{NDF}$ : 6.2/7

-495.800+/-176.589  $\chi^2/\text{NDF}$ : 4.8/4

# reg\_asym\_atl\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 323.530+/-0.115  $\chi^2/\text{NDF}$ : 2908.3/7

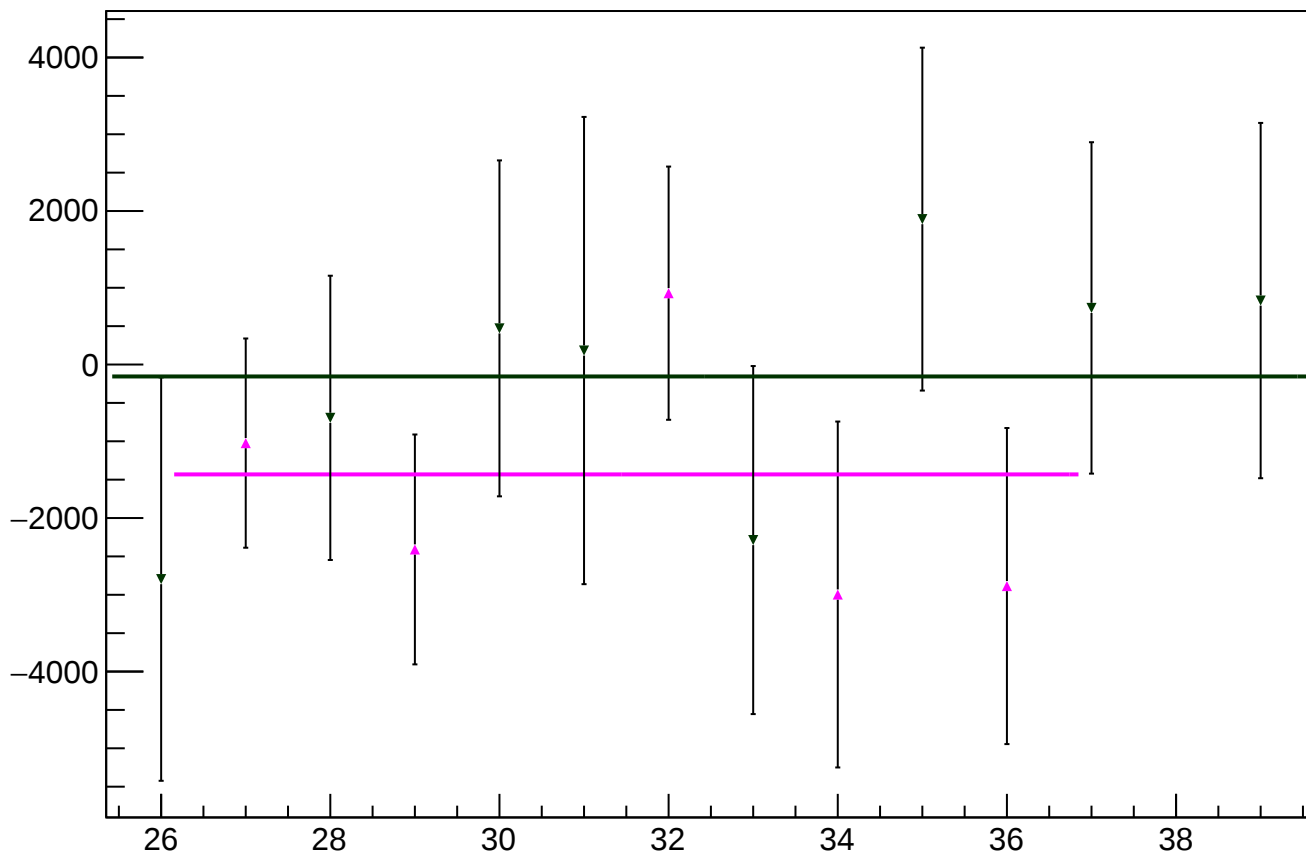
323.530+/-0.115  $\chi^2/\text{NDF}$ : 2908.3/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

326.228+/-0.125  $\chi^2/\text{NDF}$ : 3710.9/4

Left In: 326.228+/-0.125  $\chi^2/\text{NDF}$ : 3710.9/4

# asym\_atl\_dd\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -155.527+/-803.380  $\chi^2/\text{NDF}$ : 3.3/7

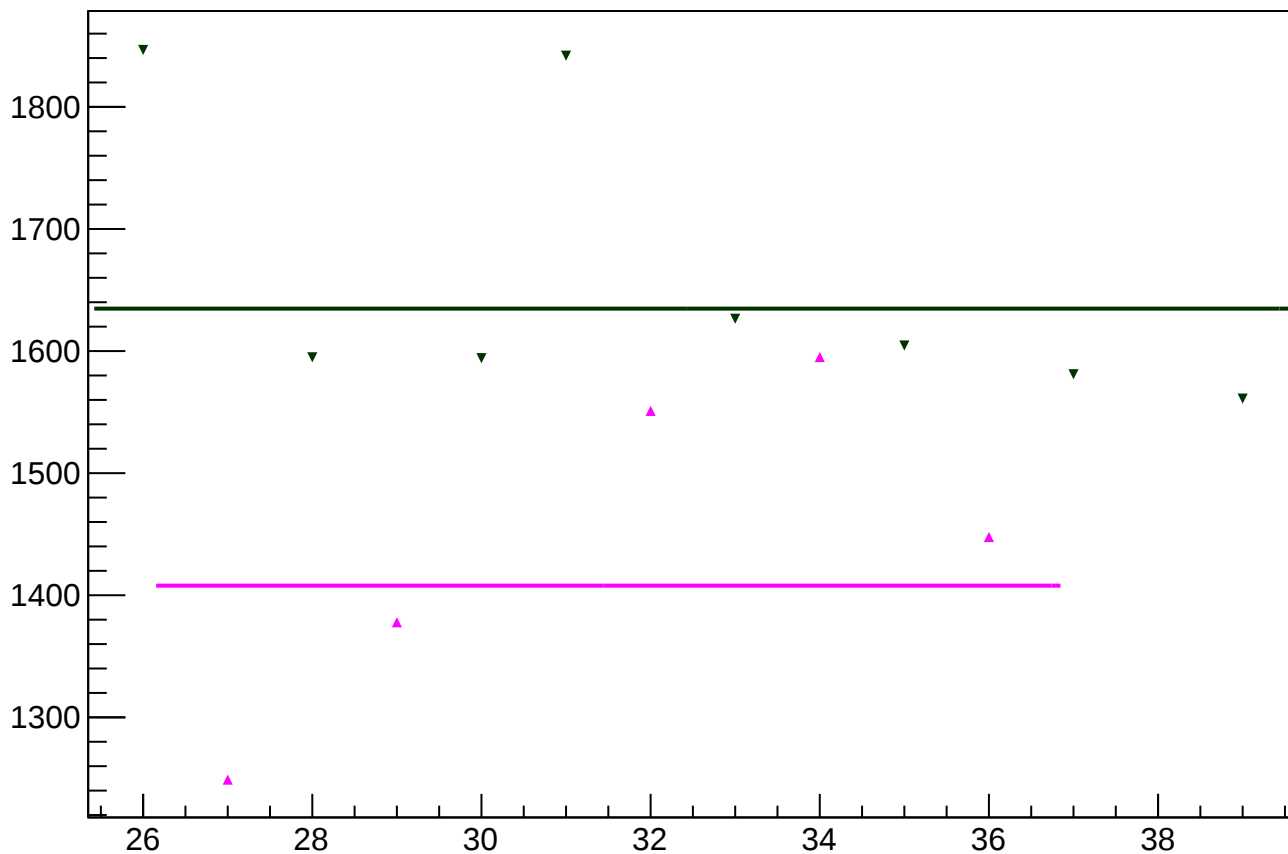
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1431.548+/-748.586  $\chi^2/\text{NDF}$ : 3.5/4

-155.527+/-803.380  $\chi^2/\text{NDF}$ : 3.3/7

-1431.548+/-748.586  $\chi^2/\text{NDF}$ : 3.5/4

# asym\_atl\_dd\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1634.764+/-0.568  $\chi^2/\text{NDF}$ : 27541.8/7

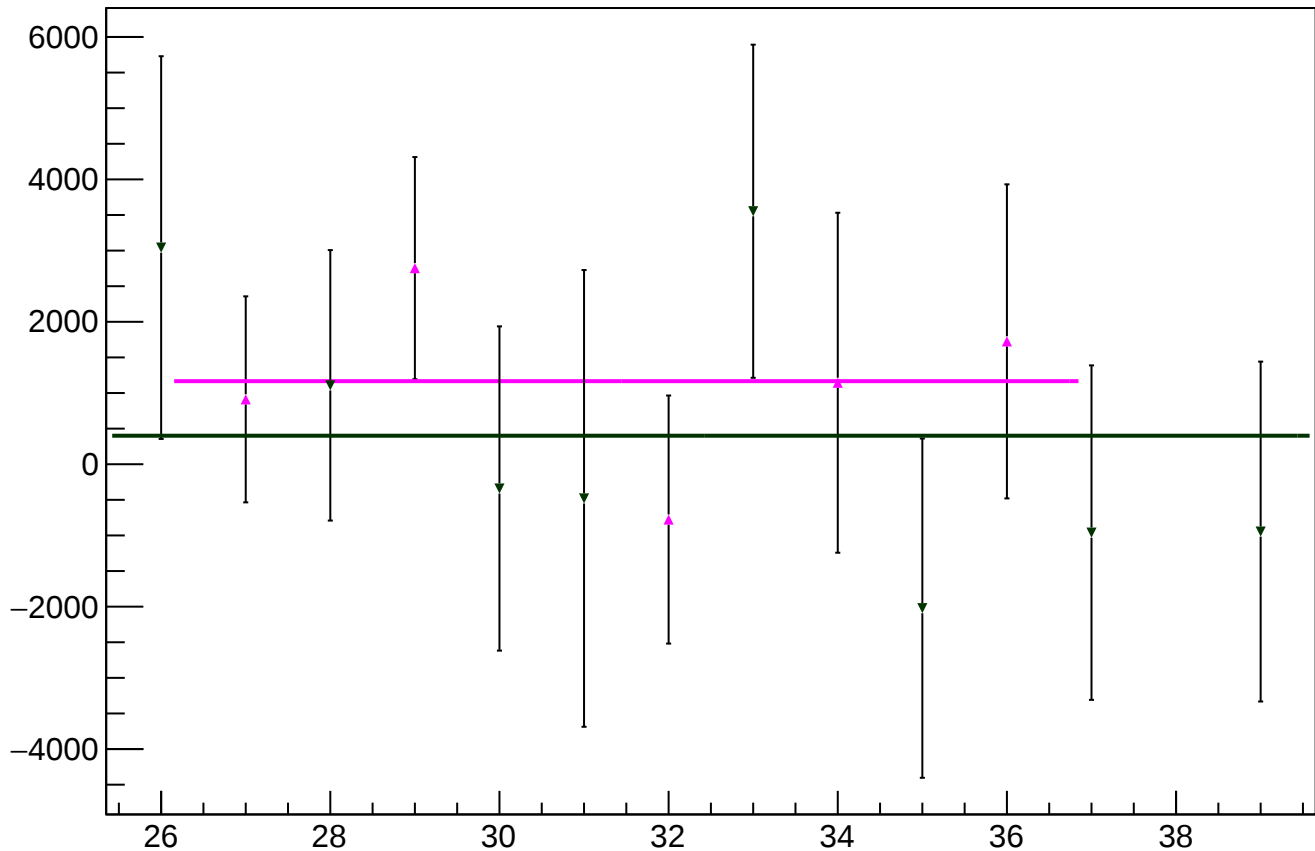
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1407.855+/-0.529  $\chi^2/\text{NDF}$ : 57596.3/4

1634.764+/-0.568  $\chi^2/\text{NDF}$ : 27541.8/7

1407.855+/-0.529  $\chi^2/\text{NDF}$ : 57596.3/4

# asym\_atl\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 400.433+/-838.661  $\chi^2/\text{NDF}$ : 4.8/7

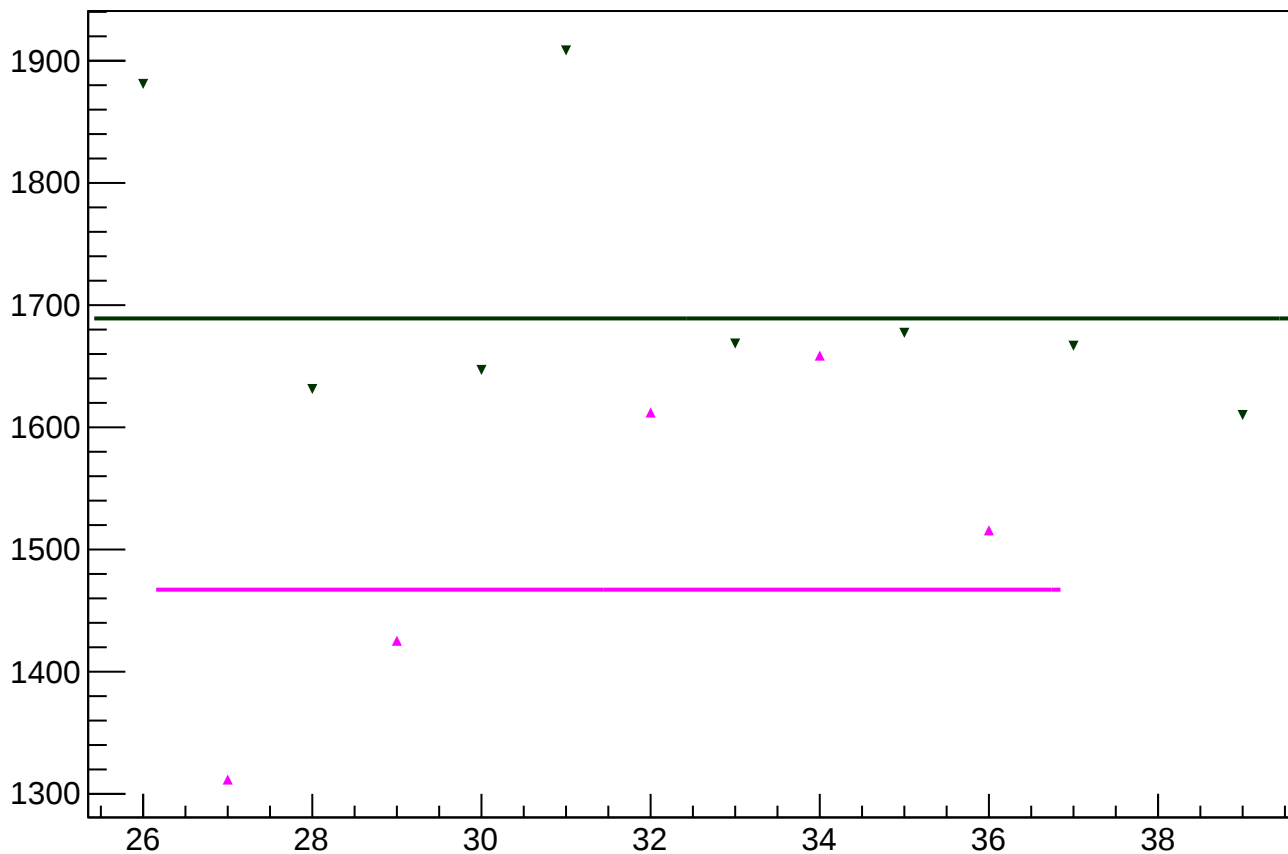
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1166.664+/-790.724  $\chi^2/\text{NDF}$ : 2.4/4

400.433+/-838.661  $\chi^2/\text{NDF}$ : 4.8/7

1166.664+/-790.724  $\chi^2/\text{NDF}$ : 2.4/4

# asym\_atl\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1689.113+/-0.593  $\chi^2/\text{NDF}$ : 24672.4/7

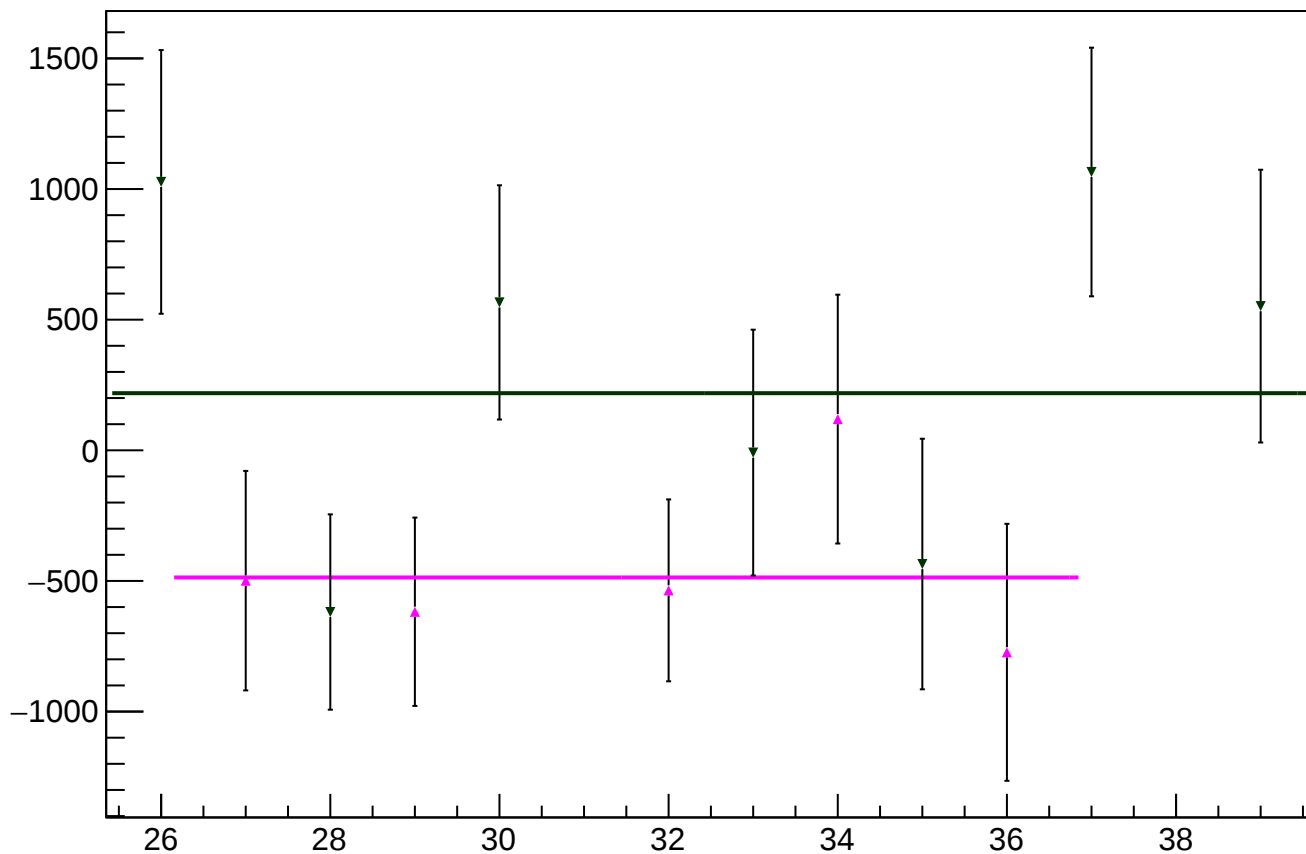
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1467.125+/-0.559  $\chi^2/\text{NDF}$ : 52231.9/4

1689.113+/-0.593  $\chi^2/\text{NDF}$ : 24672.4/7

1467.125+/-0.559  $\chi^2/\text{NDF}$ : 52231.9/4

# reg\_asym\_atr\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 218.679+/-174.046  $\chi^2/\text{NDF}$ : 13.9/6

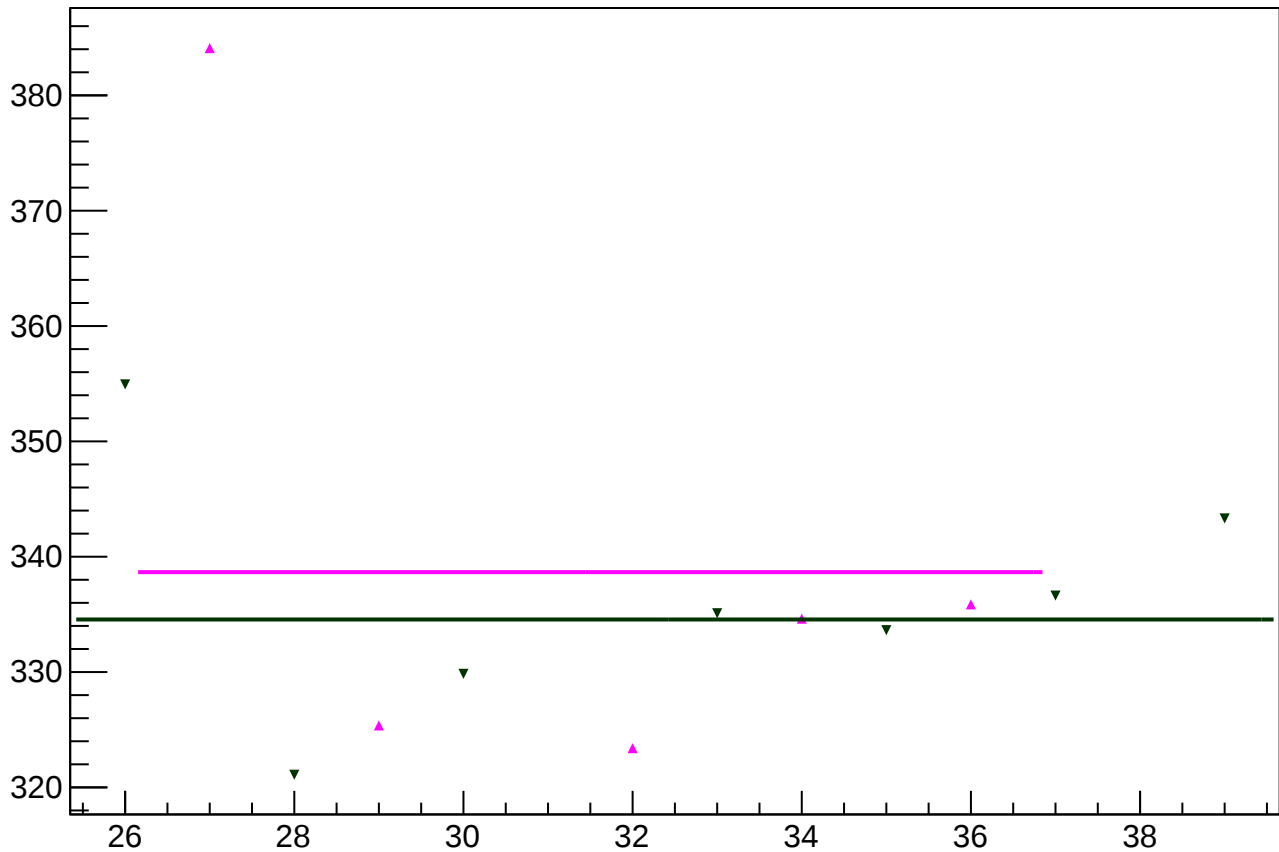
218.679+/-174.046  $\chi^2/\text{NDF}$ : 13.9/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-486.680+/-182.085  $\chi^2/\text{NDF}$ : 2.1/4

Left In: -486.680+/-182.085  $\chi^2/\text{NDF}$ : 2.1/4

# reg\_asym\_atr\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 334.558+/-0.123  $\chi^2/\text{NDF}$ : 6688.8/6

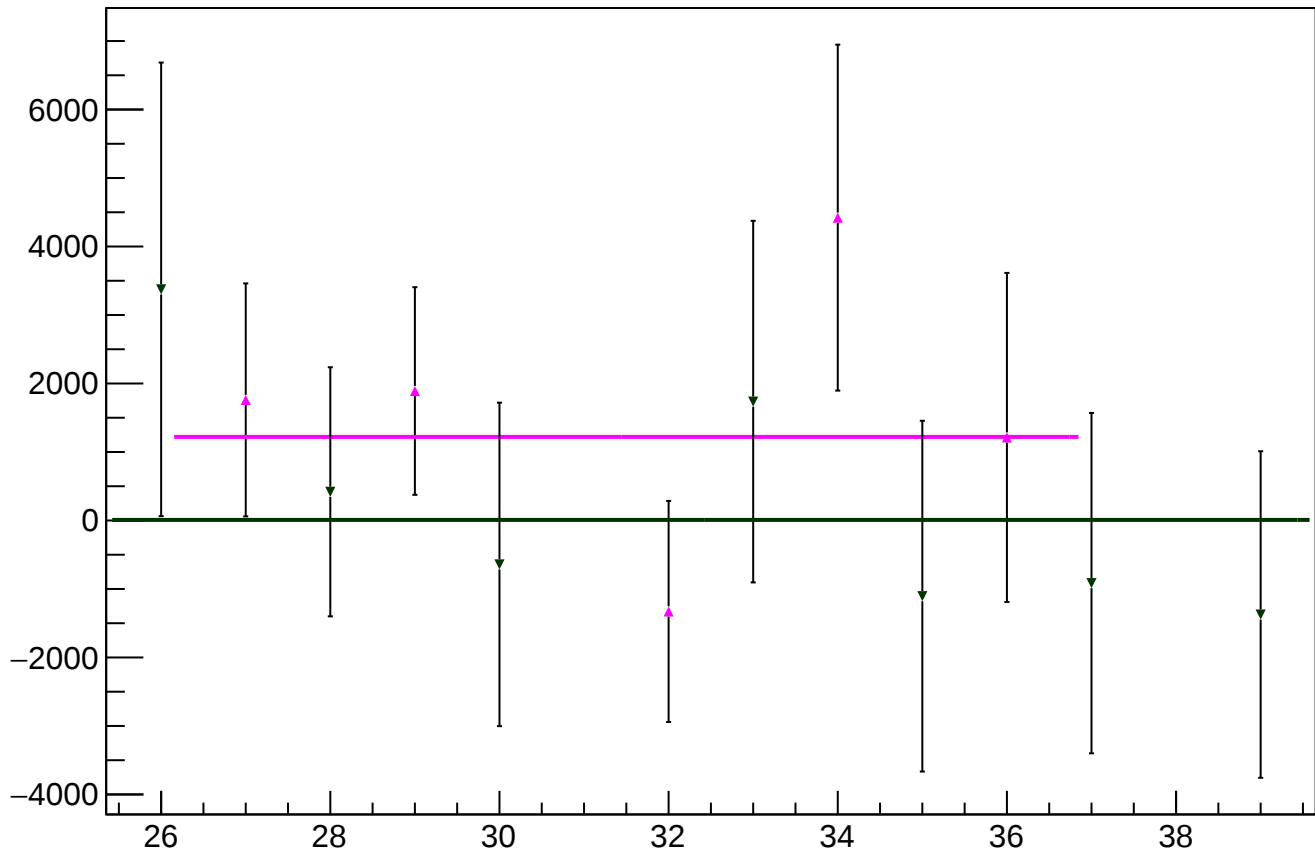
334.558+/-0.123  $\chi^2/\text{NDF}$ : 6688.8/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 338.662+/-0.129  $\chi^2/\text{NDF}$ : 30172.7/4

338.662+/-0.129  $\chi^2/\text{NDF}$ : 30172.7/4

# asym\_atr\_avg\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 8.398+/-910.240  $\chi^2/\text{NDF}$ : 2.3/6

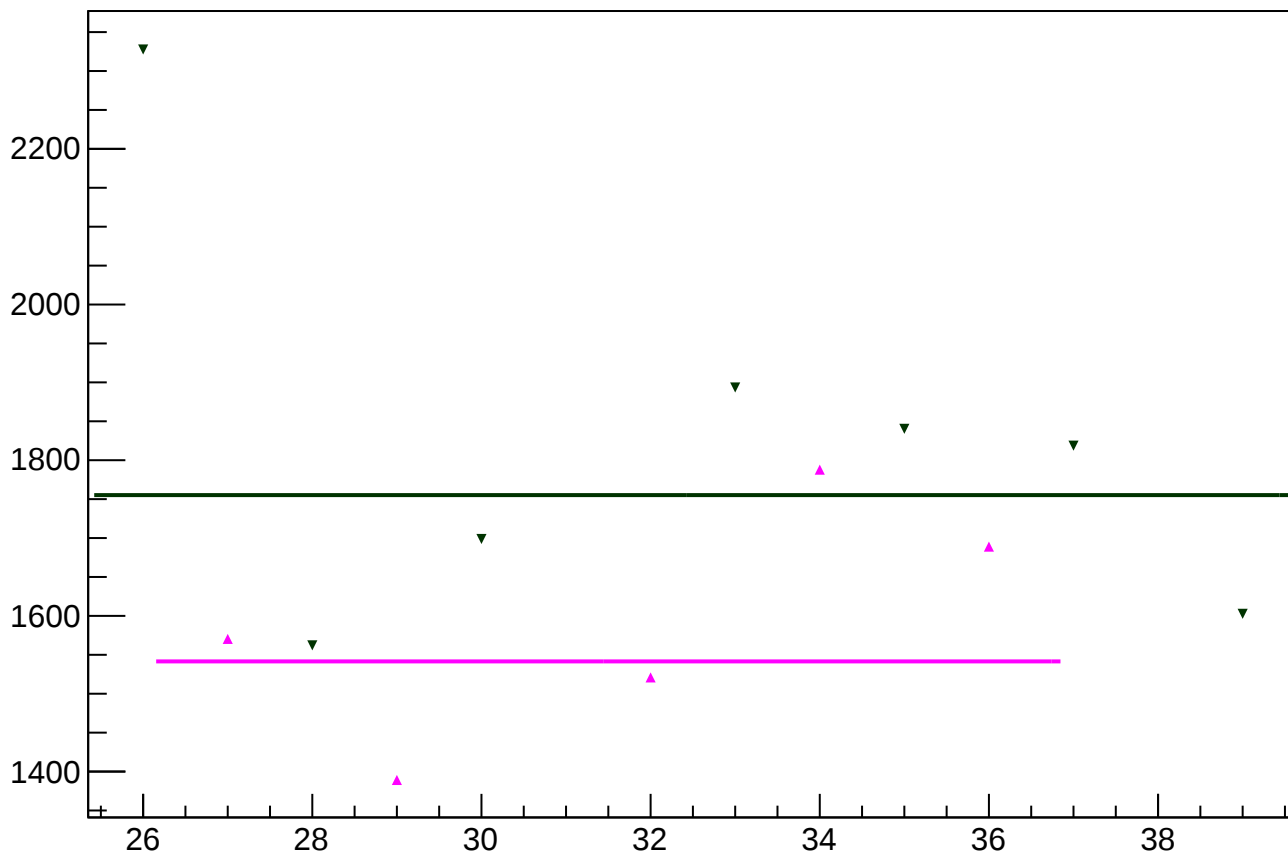
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1220.636+/-817.861  $\chi^2/\text{NDF}$ : 4.4/4

8.398+/-910.240  $\chi^2/\text{NDF}$ : 2.3/6

1220.636+/-817.861  $\chi^2/\text{NDF}$ : 4.4/4

asym\_atr\_avg\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1755.175+/-0.644  $\chi^2/\text{NDF}$ :100650.9/6

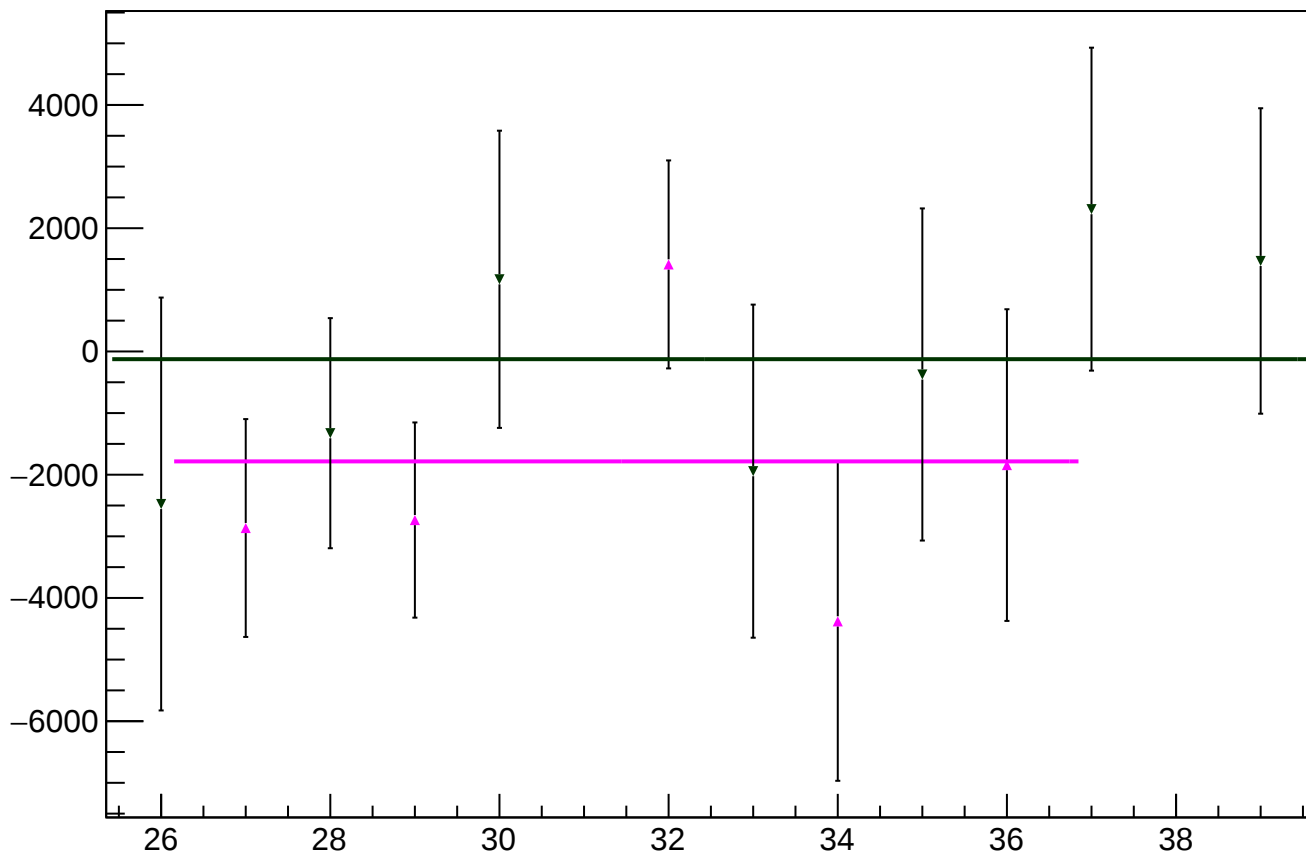
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1541.520+/-0.578  $\chi^2/\text{NDF}$ :47668.5/4

1755.175+/-0.644  $\chi^2/\text{NDF}$ : 100650.9/6

1541.520+/-0.578  $\chi^2/\text{NDF}$ : 47668.5/4

# asym\_atr\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -125.260+/-940.314  $\chi^2/\text{NDF}$ : 2.9/6

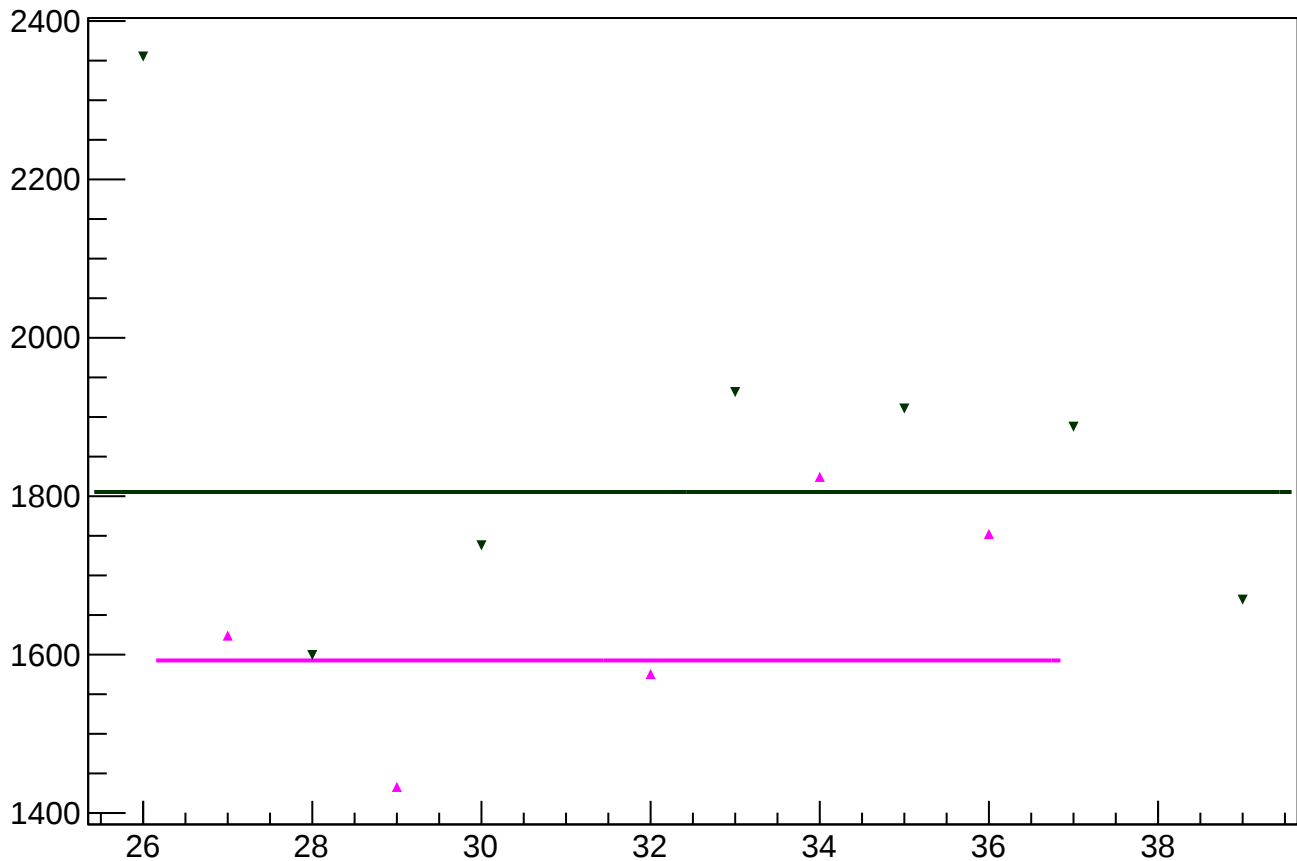
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1784.032+/-852.639  $\chi^2/\text{NDF}$ : 5.3/4

-125.260+/-940.314  $\chi^2/\text{NDF}$ : 2.9/6

-1784.032+/-852.639  $\chi^2/\text{NDF}$ : 5.3/4

# asym\_atr\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1805.347+/-0.665  $\chi^2/\text{NDF}$ : 95153.1/6

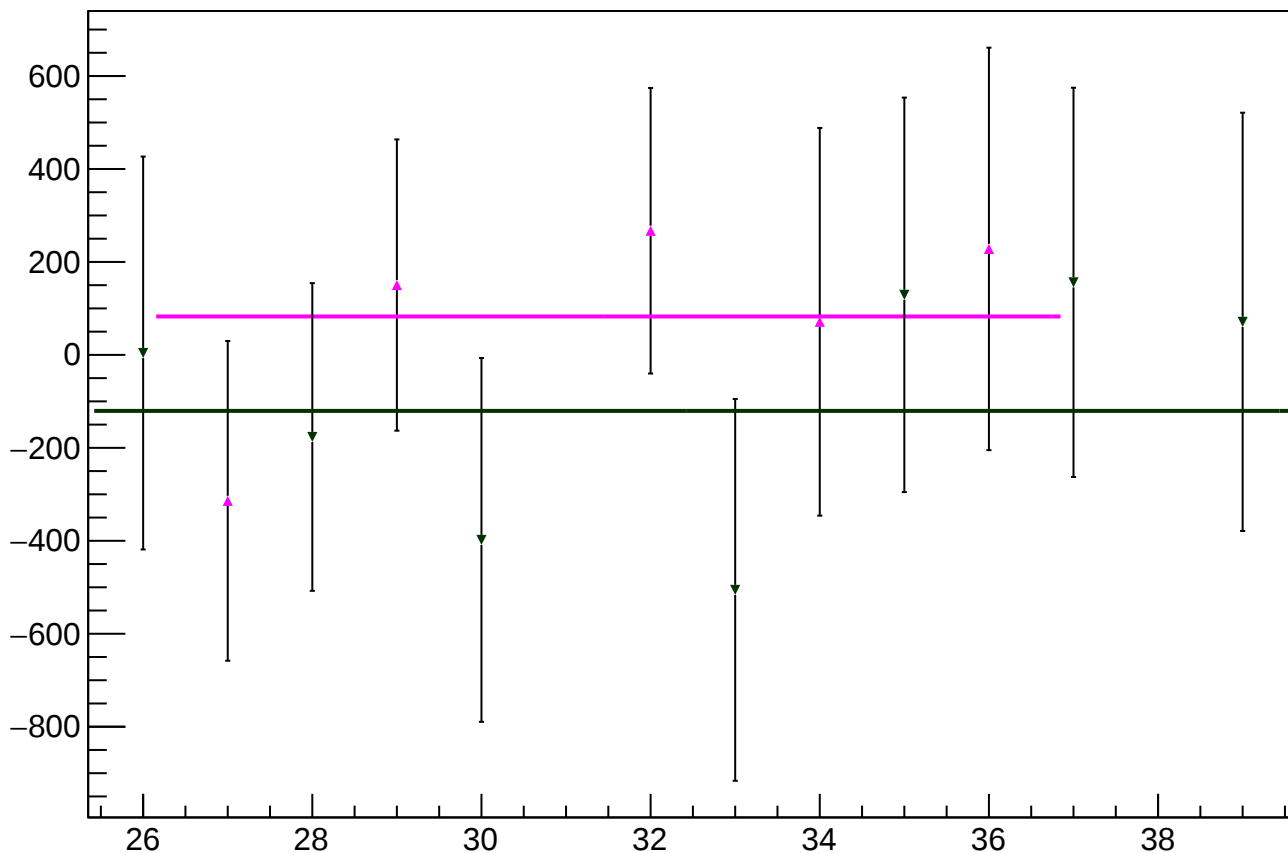
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1592.625+/-0.603  $\chi^2/\text{NDF}$ : 45198.0/4

1805.347+/-0.665  $\chi^2/\text{NDF}$ : 95153.1/6

1592.625+/-0.603  $\chi^2/\text{NDF}$ : 45198.0/4

# reg\_asym\_atr\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -120.480+/-151.843  $\chi^2/\text{NDF}$ : 2.5/6

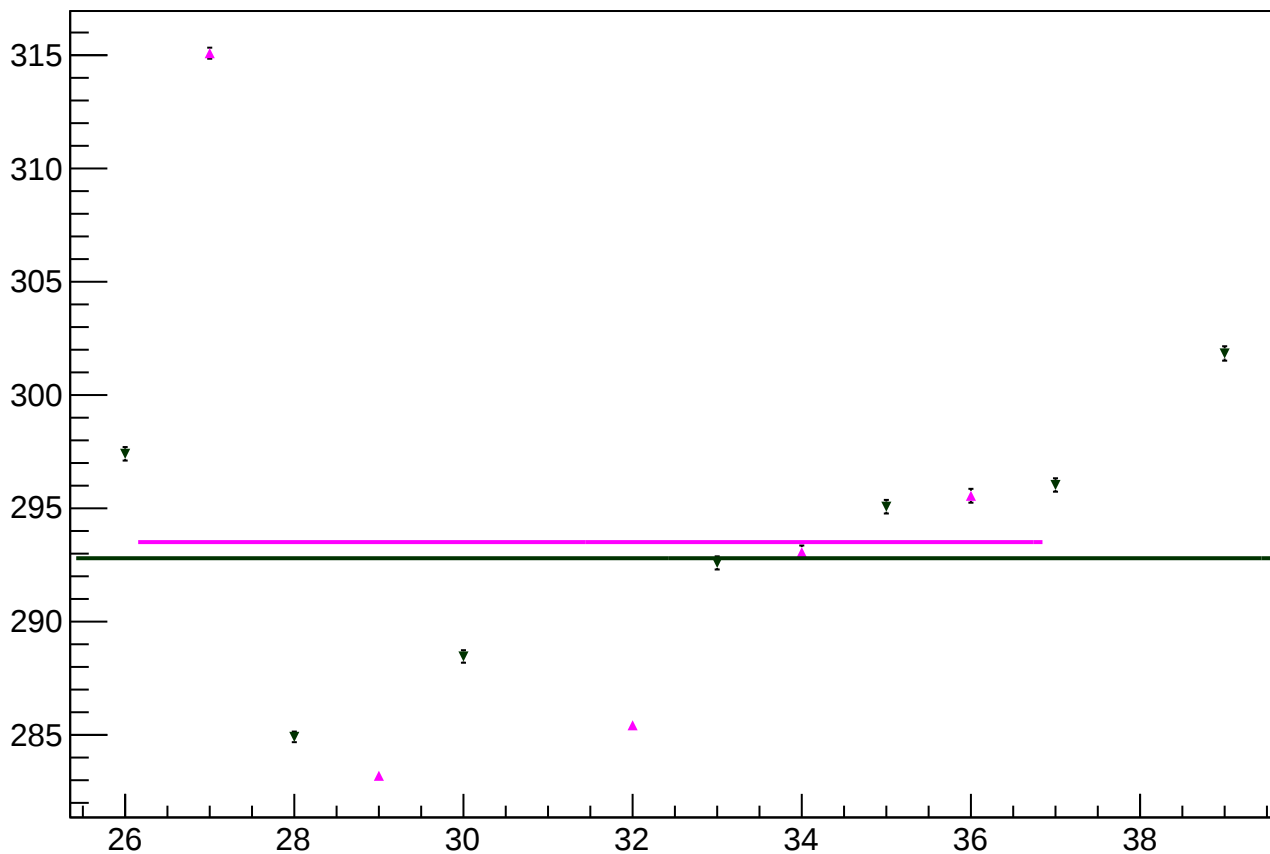
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 82.668+/-157.500  $\chi^2/\text{NDF}$ : 1.9/4

-120.480+/-151.843  $\chi^2/\text{NDF}$ : 2.5/6

82.668+/-157.500  $\chi^2/\text{NDF}$ : 1.9/4

# reg\_asym\_atr\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 292.798+/-0.107  $\chi^2/\text{NDF}$ : 2601.7/6

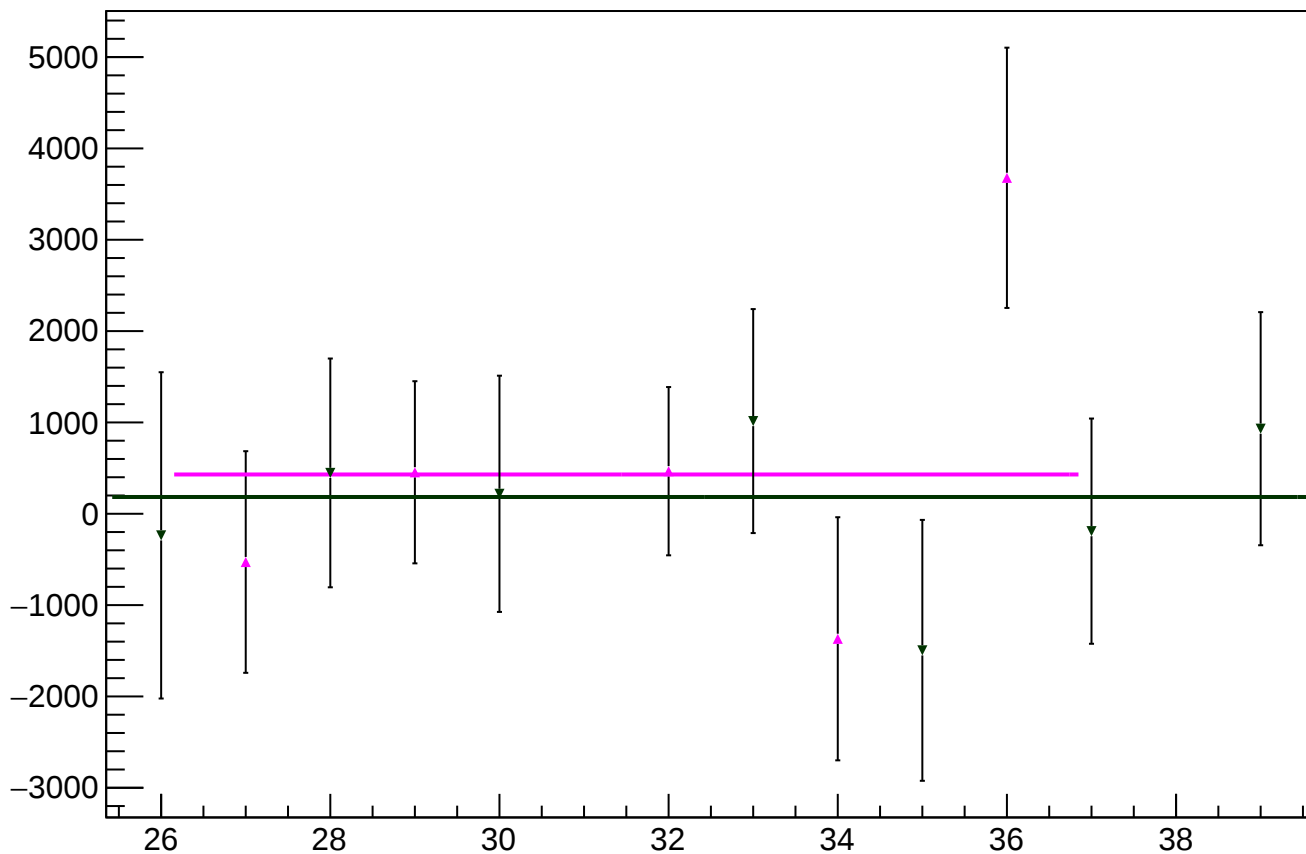
292.798+/-0.107  $\chi^2/\text{NDF}$ : 2601.7/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

293.509+/-0.111  $\chi^2/\text{NDF}$ : 11468.6/4

Left In: 293.509+/-0.111  $\chi^2/\text{NDF}$ : 11468.6/4

# asym\_atr\_dd\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 183.709+/-501.508  $\chi^2/\text{NDF}$ : 2.4/6

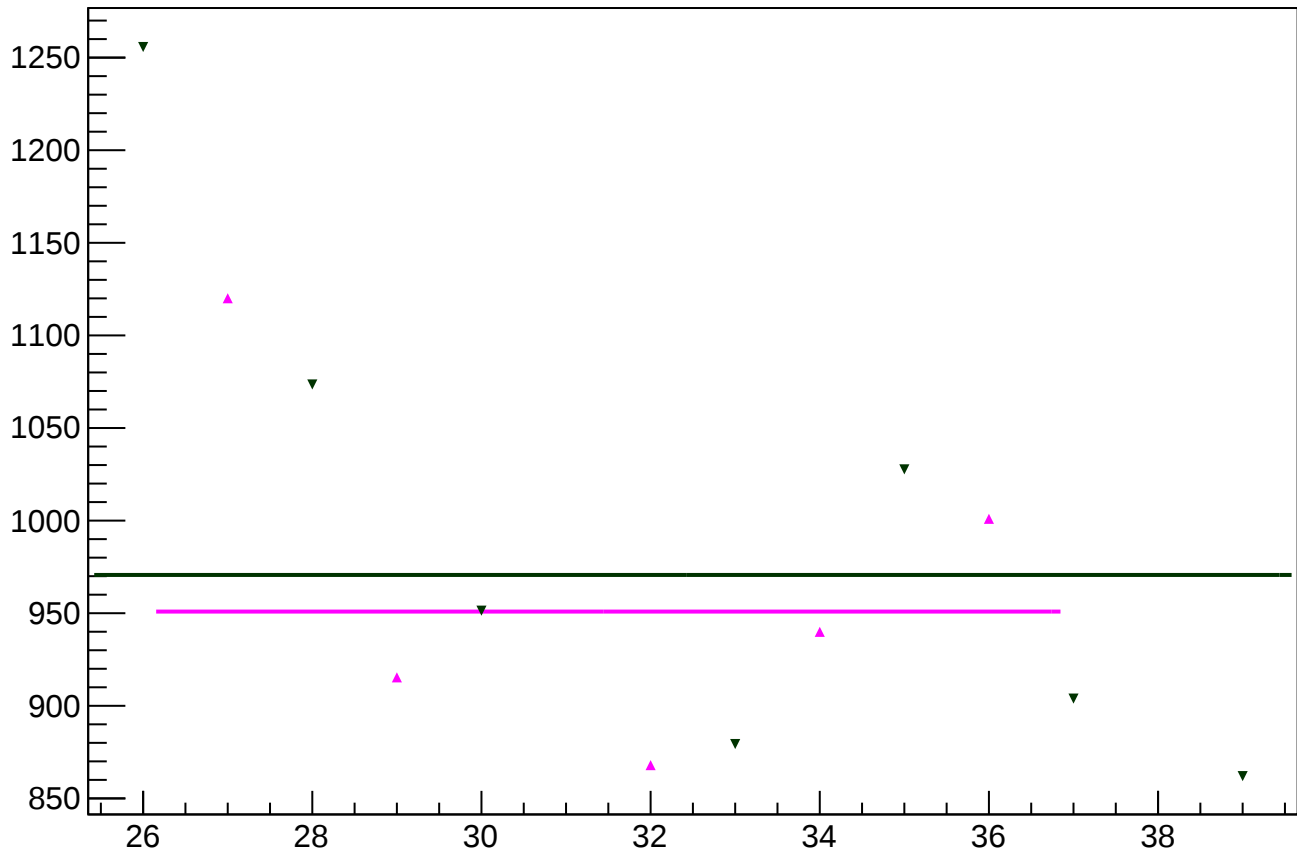
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 430.242+/-505.041  $\chi^2/\text{NDF}$ : 7.6/4

183.709+/-501.508  $\chi^2/\text{NDF}$ : 2.4/6

430.242+/-505.041  $\chi^2/\text{NDF}$ : 7.6/4

# asym\_atr\_dd\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 970.661+/-0.355  $\chi^2/\text{NDF}$ : 99501.1/6

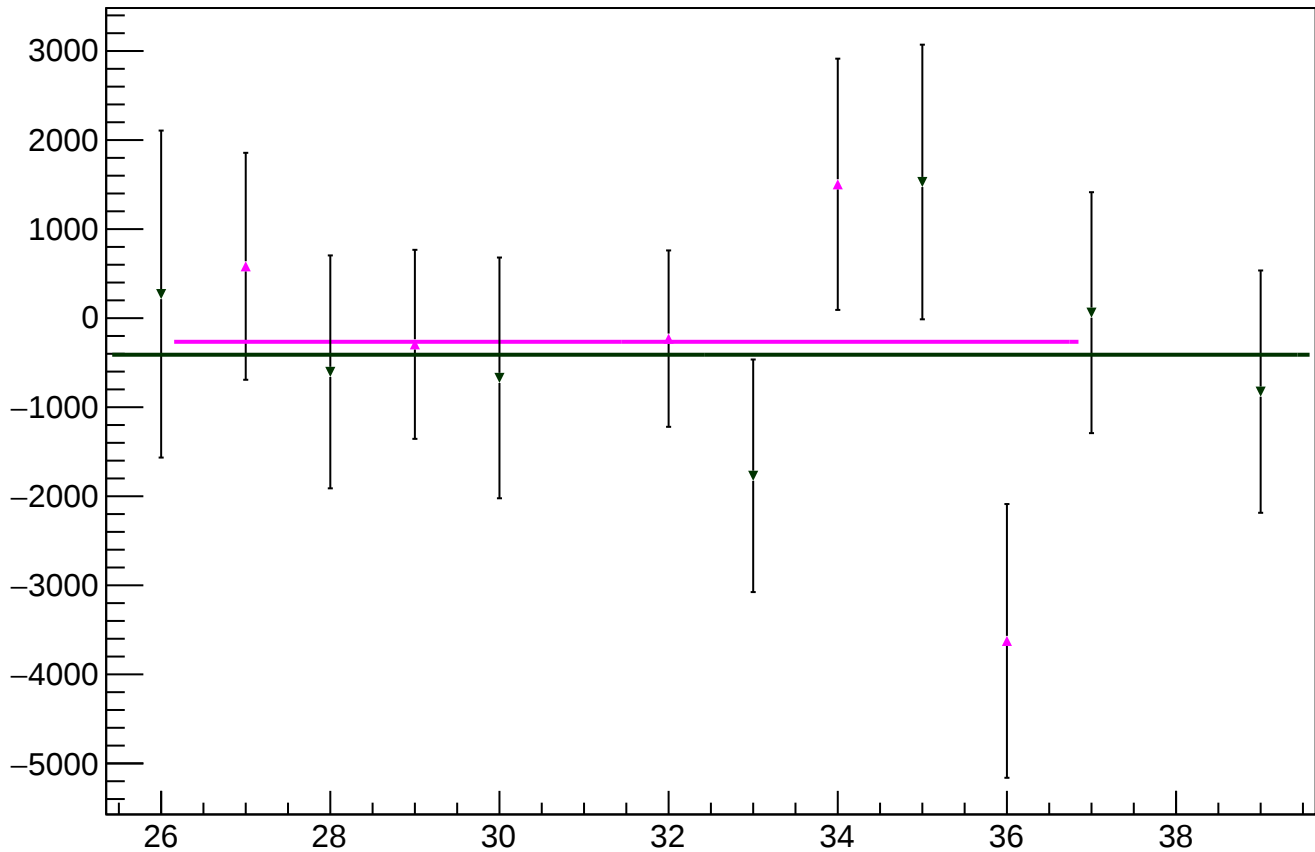
970.661+/-0.355  $\chi^2/\text{NDF}$ : 99501.1/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

950.884+/-0.357  $\chi^2/\text{NDF}$ : 60234.4/4

Left In: 950.884+/-0.357  $\chi^2/\text{NDF}$ : 60234.4/4

# asym\_atr\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -410.705+/-532.835  $\chi^2/\text{NDF}$ : 3.1/6

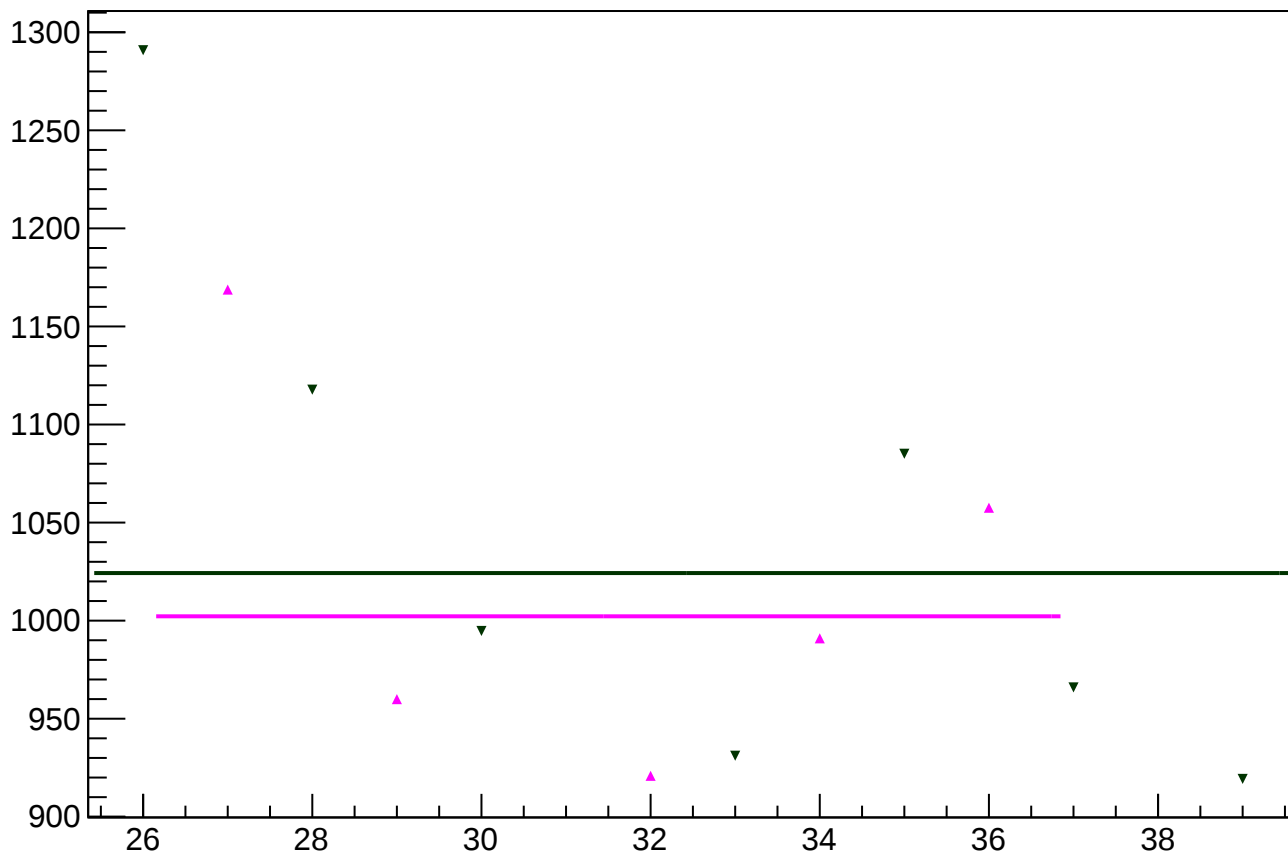
-410.705+/-532.835  $\chi^2/\text{NDF}$ : 3.1/6

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-265.400+/-538.475  $\chi^2/\text{NDF}$ : 6.8/4

Left In: -265.400+/-538.475  $\chi^2/\text{NDF}$ : 6.8/4

# asym\_atr\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1024.263+/-0.377  $\chi^2/\text{NDF}$ : 82244.5/6

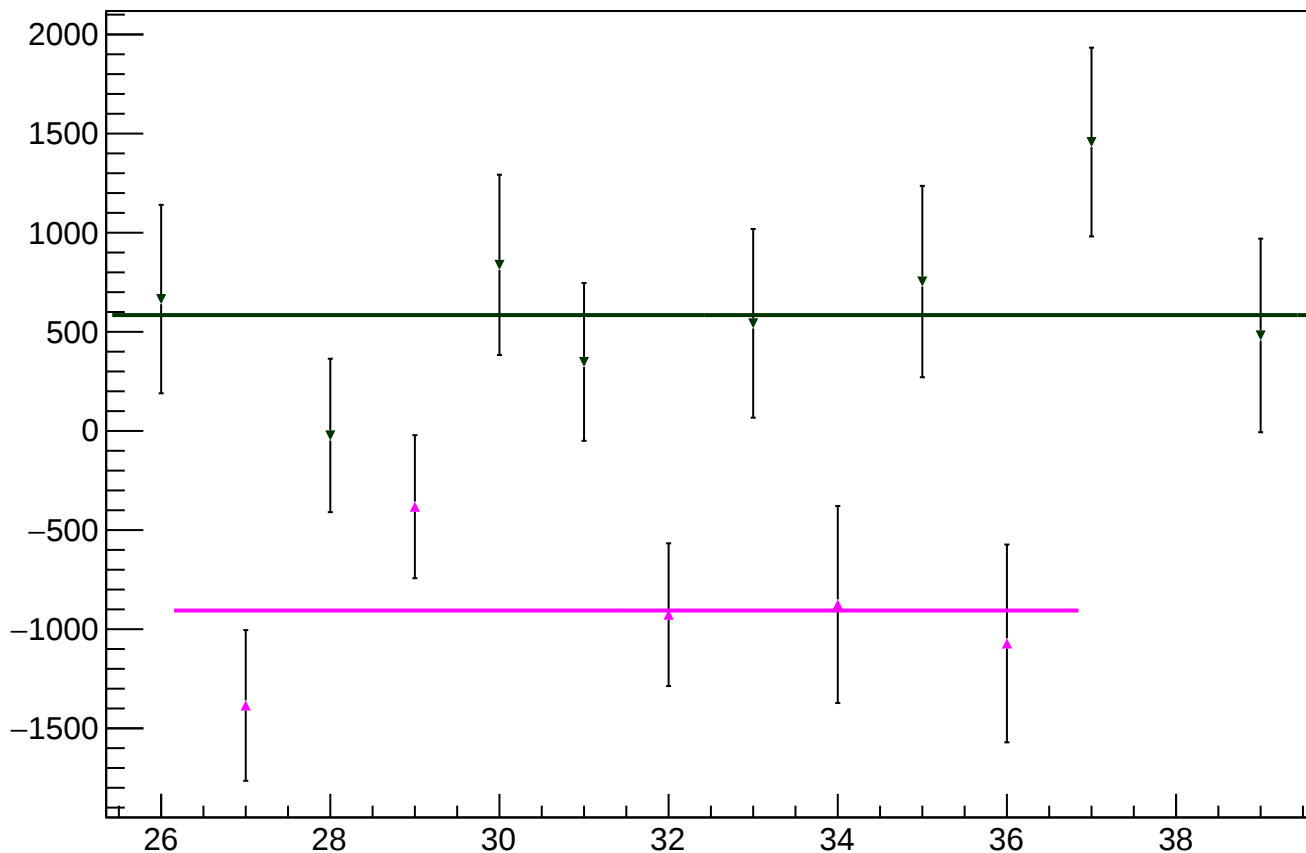
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1002.209+/-0.381  $\chi^2/\text{NDF}$ : 53552.8/4

1024.263+/-0.377  $\chi^2/\text{NDF}$ : 82244.5/6

1002.209+/-0.381  $\chi^2/\text{NDF}$ : 53552.8/4

# reg\_asym\_at1\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 584.416+/-158.976  $\chi^2/\text{NDF}$ : 6.7/7

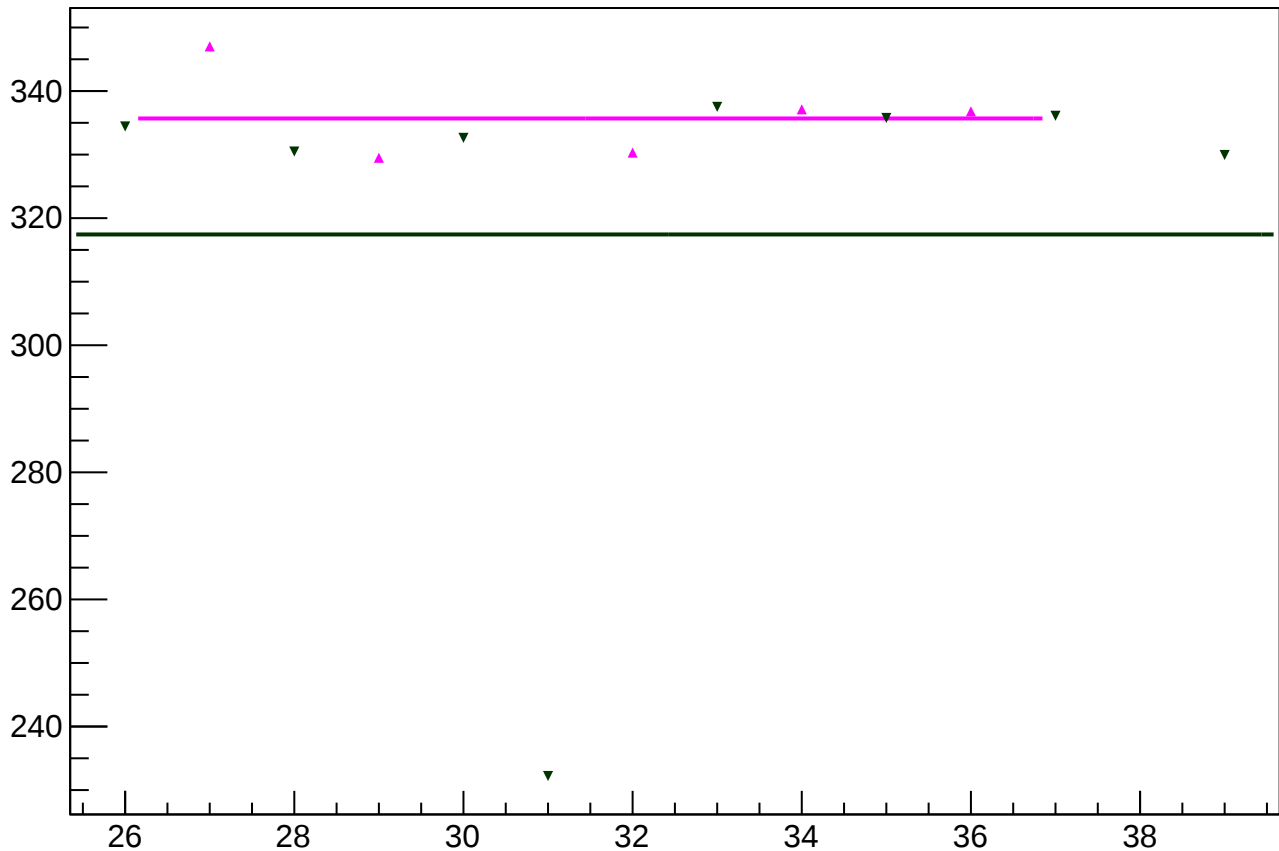
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -905.758+/-181.420  $\chi^2/\text{NDF}$ : 3.8/4

584.416+/-158.976  $\chi^2/\text{NDF}$ : 6.7/7

-905.758+/-181.420  $\chi^2/\text{NDF}$ : 3.8/4

# reg\_asym\_at1\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 317.432+/-0.112  $\chi^2/\text{NDF}$ :109612.5/7

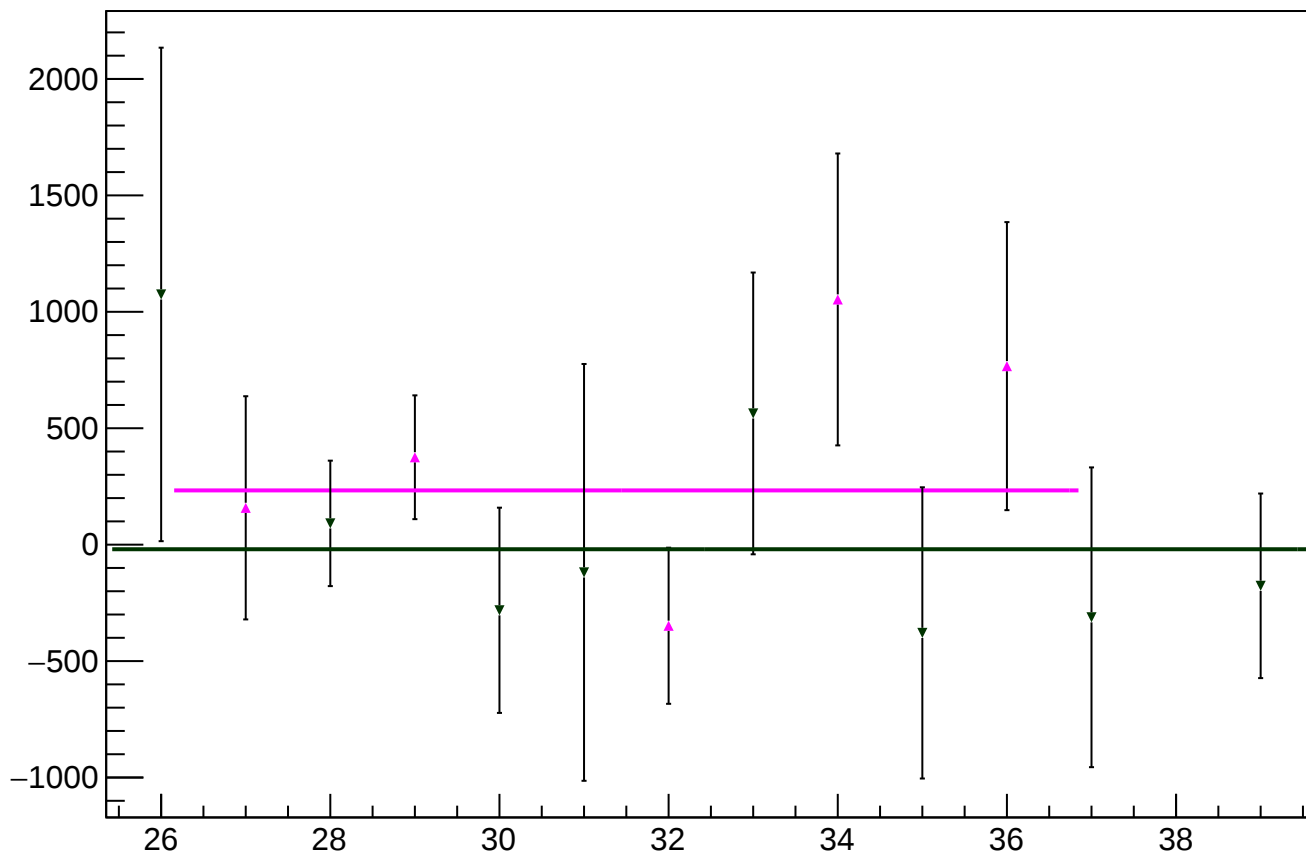
317.432+/-0.112  $\chi^2/\text{NDF}$ : 109612.5/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

335.686+/-0.128  $\chi^2/\text{NDF}$ : 2839.0/4

Left In: 335.686+/-0.128  $\chi^2/\text{NDF}$ :2839.0/4

# asym\_at1\_avg\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -19.644+/-168.699  $\chi^2/\text{NDF}$ : 3.2/7

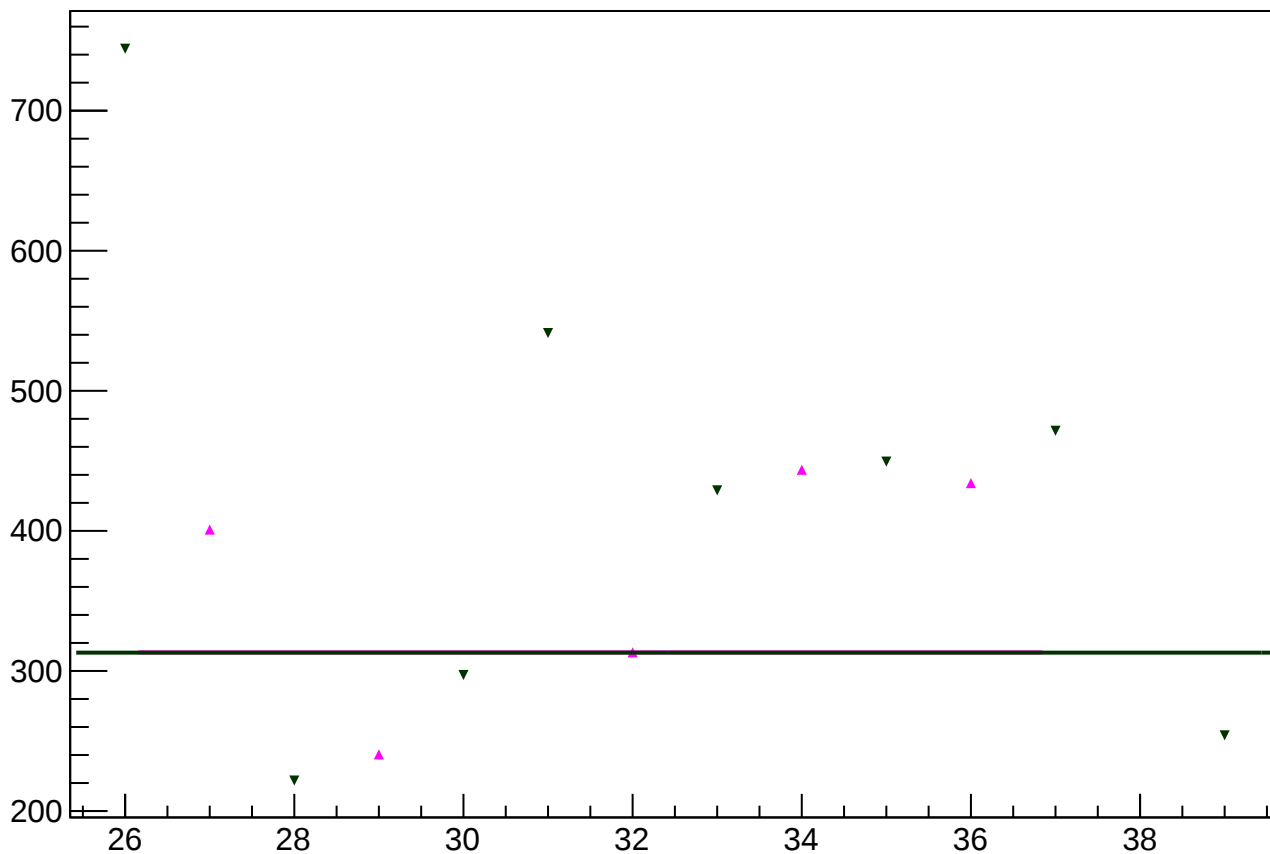
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 233.016+/-175.248  $\chi^2/\text{NDF}$ : 5.8/4

-19.644+/-168.699  $\chi^2/\text{NDF}$ : 3.2/7

233.016+/-175.248  $\chi^2/\text{NDF}$ : 5.8/4

# asym\_at1\_avg\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 313.083+/-0.119  $\chi^2/\text{NDF}$ : 1027411.7/7

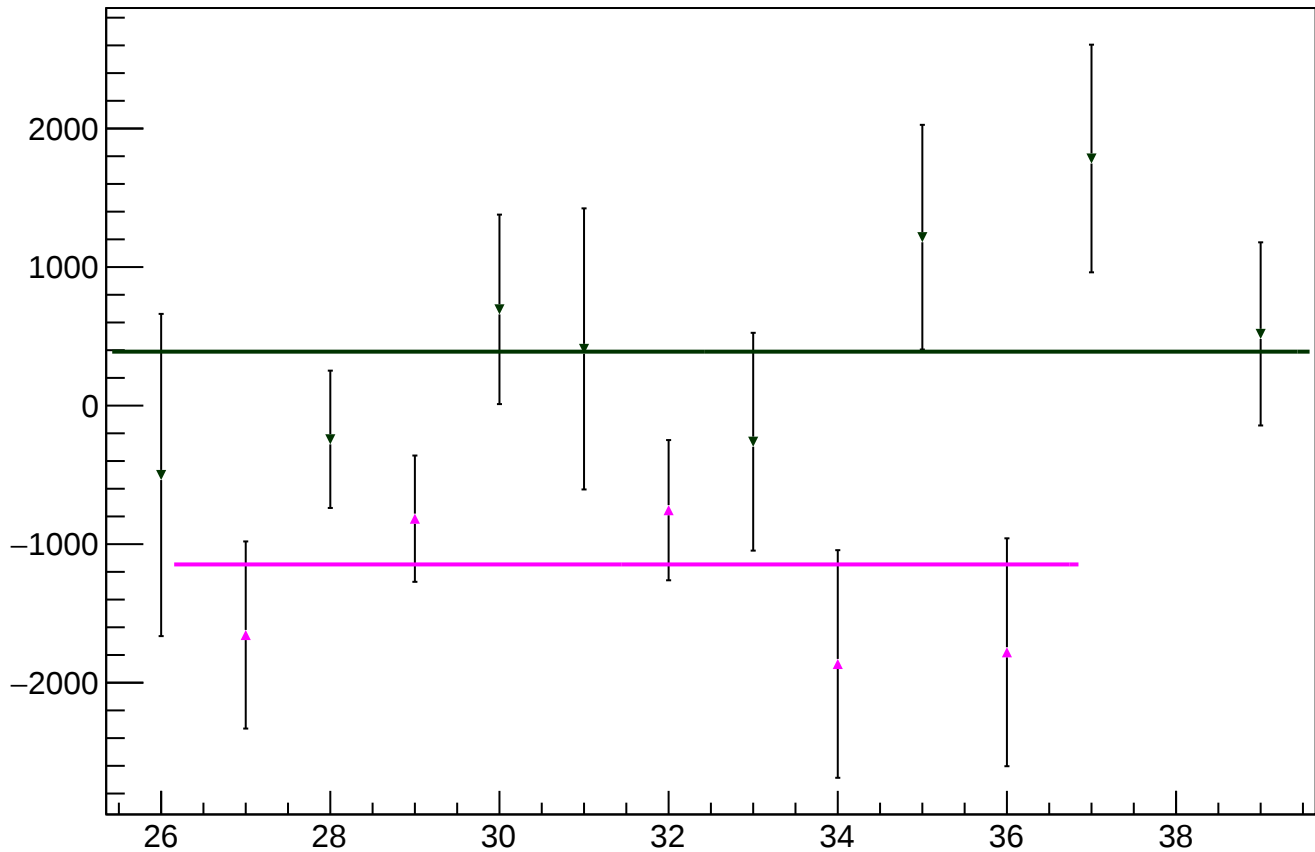
313.083+/-0.119  $\chi^2/\text{NDF}$ : 1027411.7/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

313.250+/-0.124  $\chi^2/\text{NDF}$ : 379829.1/4

Left In: 313.250+/-0.124  $\chi^2/\text{NDF}$ : 379829.1/4

asym\_at1\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 389.469+/-259.665  $\chi^2/\text{NDF}$ : 7.1/7

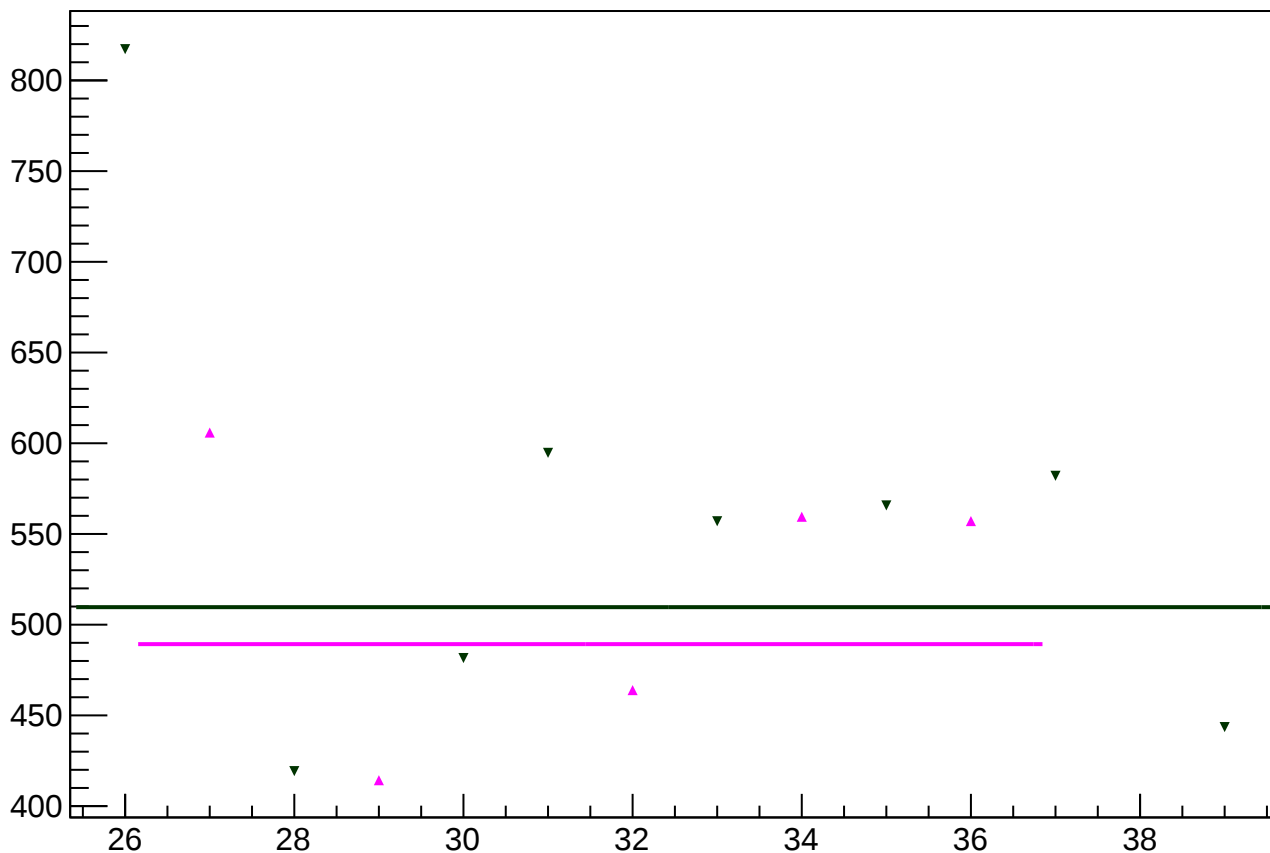
389.469+/-259.665  $\chi^2/\text{NDF}$ : 7.1/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-1146.353+/-268.505  $\chi^2/\text{NDF}$ : 3.1/4

Left In: -1146.353+/-268.505  $\chi^2/\text{NDF}$ : 3.1/4

# asym\_at1\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 509.655+/-0.184  $\chi^2/\text{NDF}$ : 276216.5/7

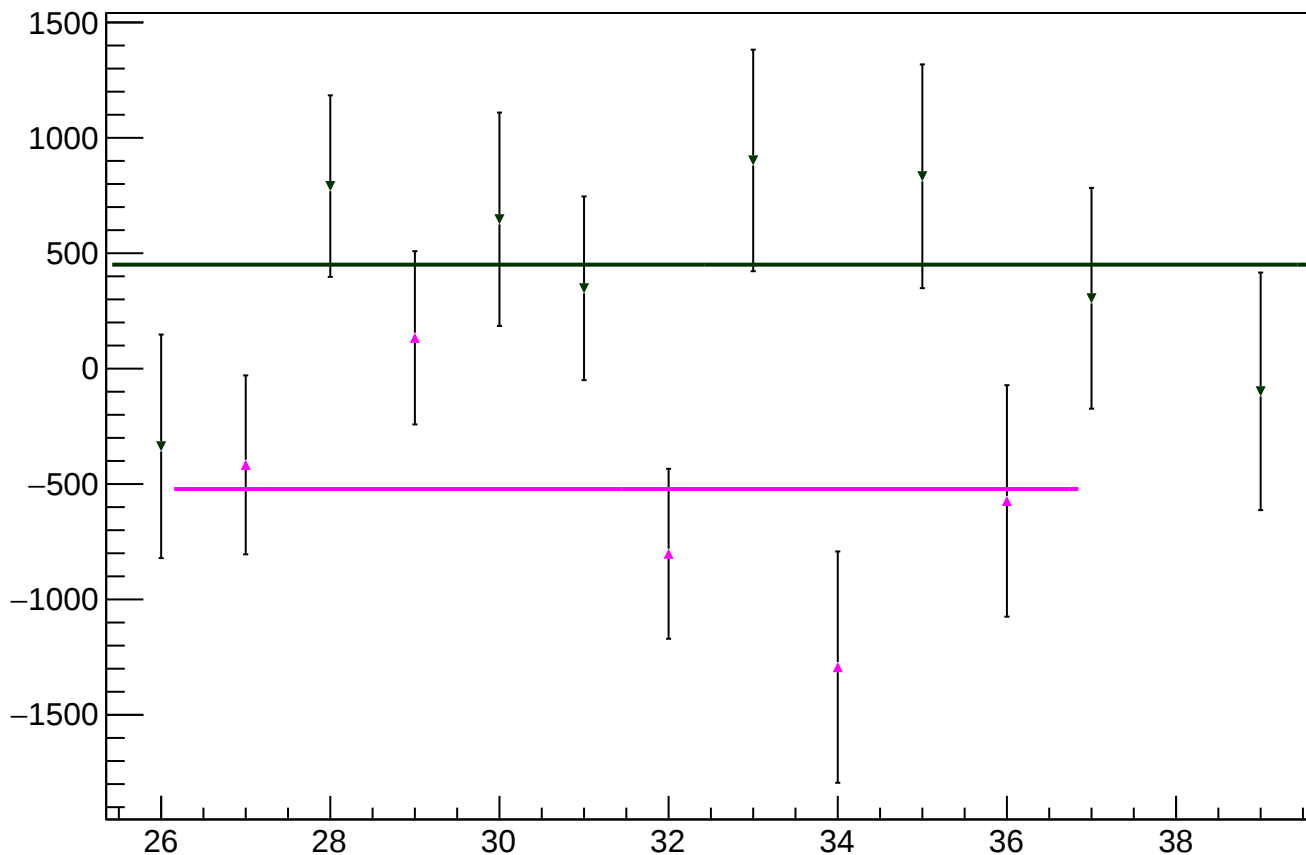
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 489.274+/-0.190  $\chi^2/\text{NDF}$ : 147025.1/4

509.655+/-0.184  $\chi^2/\text{NDF}$ : 276216.5/7

489.274+/-0.190  $\chi^2/\text{NDF}$ : 147025.1/4

# reg\_asym\_at1\_dd\_mean vs slug



Right In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $450.499 \pm 161.235$   $\chi^2/\text{NDF}: 6.4/7$

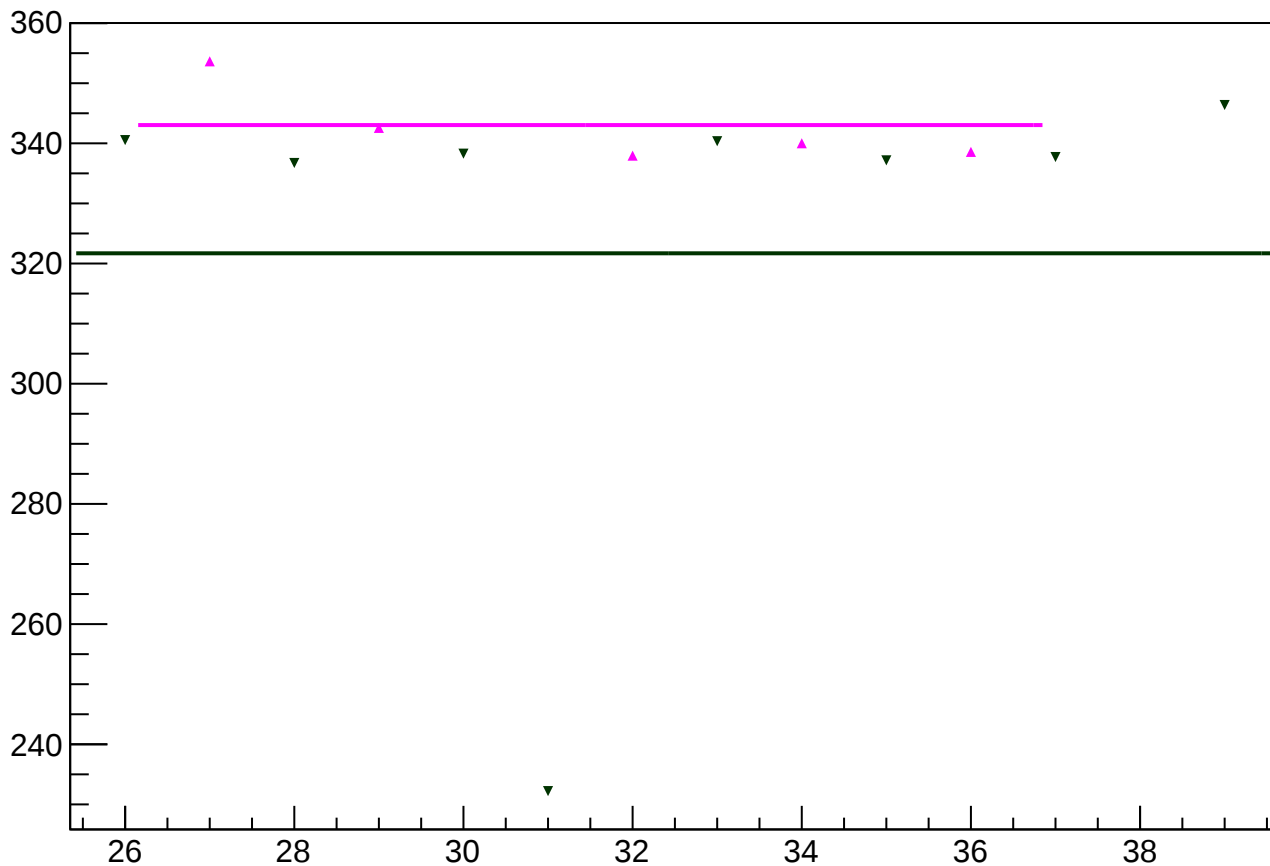
Right Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left In:  $-521.579 \pm 185.409$   $\chi^2/\text{NDF}: 6.1/4$

$450.499 \pm 161.235$   $\chi^2/\text{NDF}: 6.4/7$

$-521.579 \pm 185.409$   $\chi^2/\text{NDF}: 6.1/4$

# reg\_asym\_at1\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 321.700+/-0.114  $\chi^2/\text{NDF}$ :121541.6/7

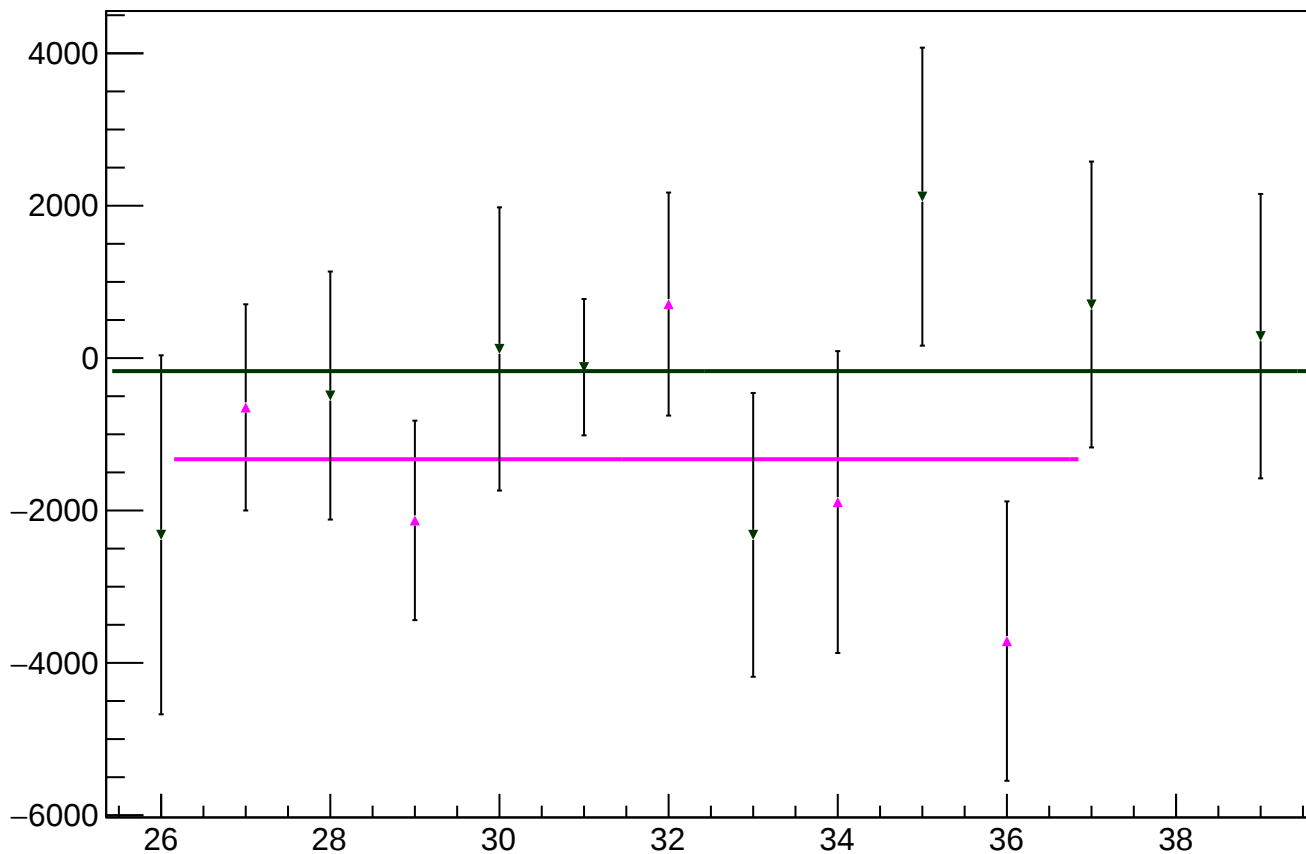
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 343.038+/-0.131  $\chi^2/\text{NDF}$ :2114.7/4

321.700+/-0.114  $\chi^2/\text{NDF}$ : 121541.6/7

343.038+/-0.131  $\chi^2/\text{NDF}$ : 2114.7/4

# asym\_at1\_dd\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -170.731+/-557.562  $\chi^2/\text{NDF}$ : 3.9/7

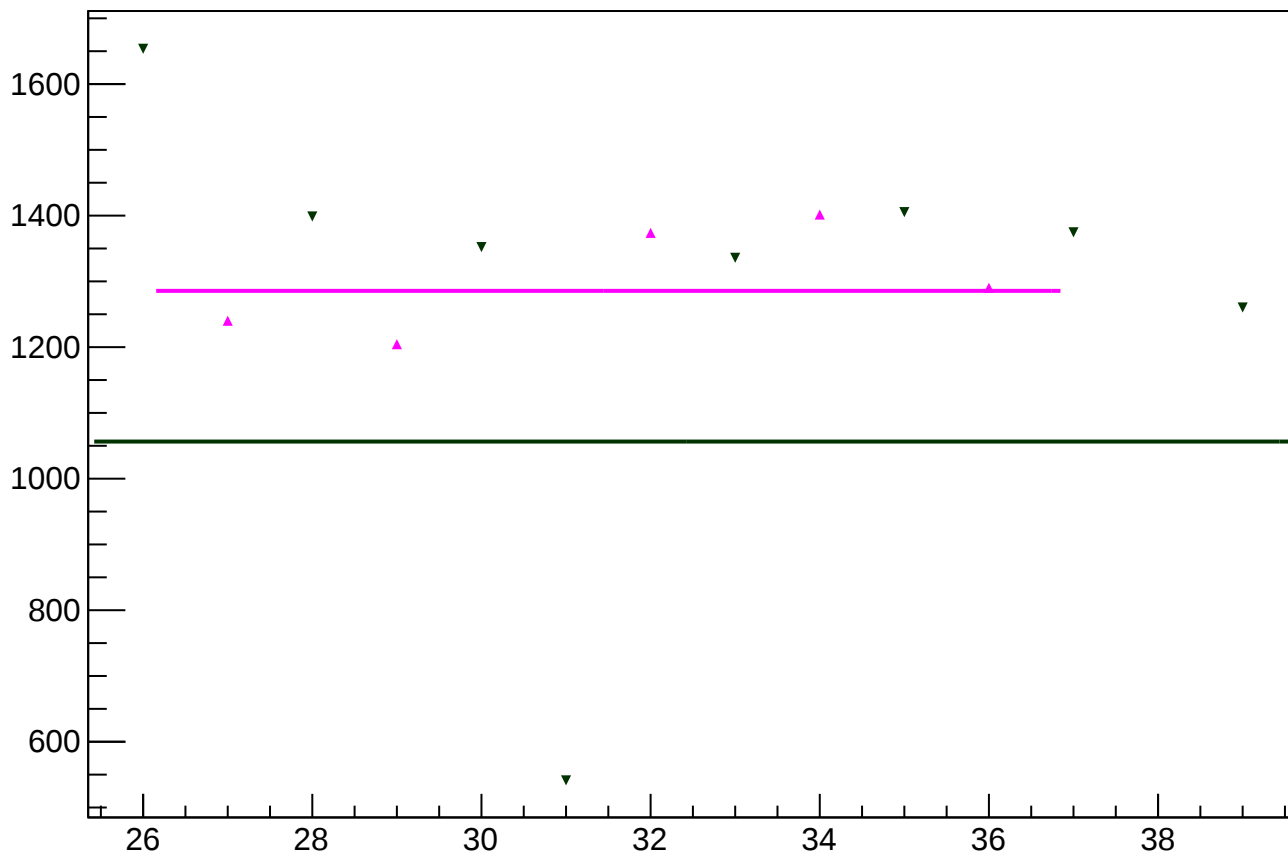
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1326.833+/-682.115  $\chi^2/\text{NDF}$ : 4.3/4

-170.731+/-557.562  $\chi^2/\text{NDF}$ : 3.9/7

-1326.833+/-682.115  $\chi^2/\text{NDF}$ : 4.3/4

# asym\_at1\_dd\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1056.455+/-0.394  $\chi^2/\text{NDF}$ : 1120431.4/7

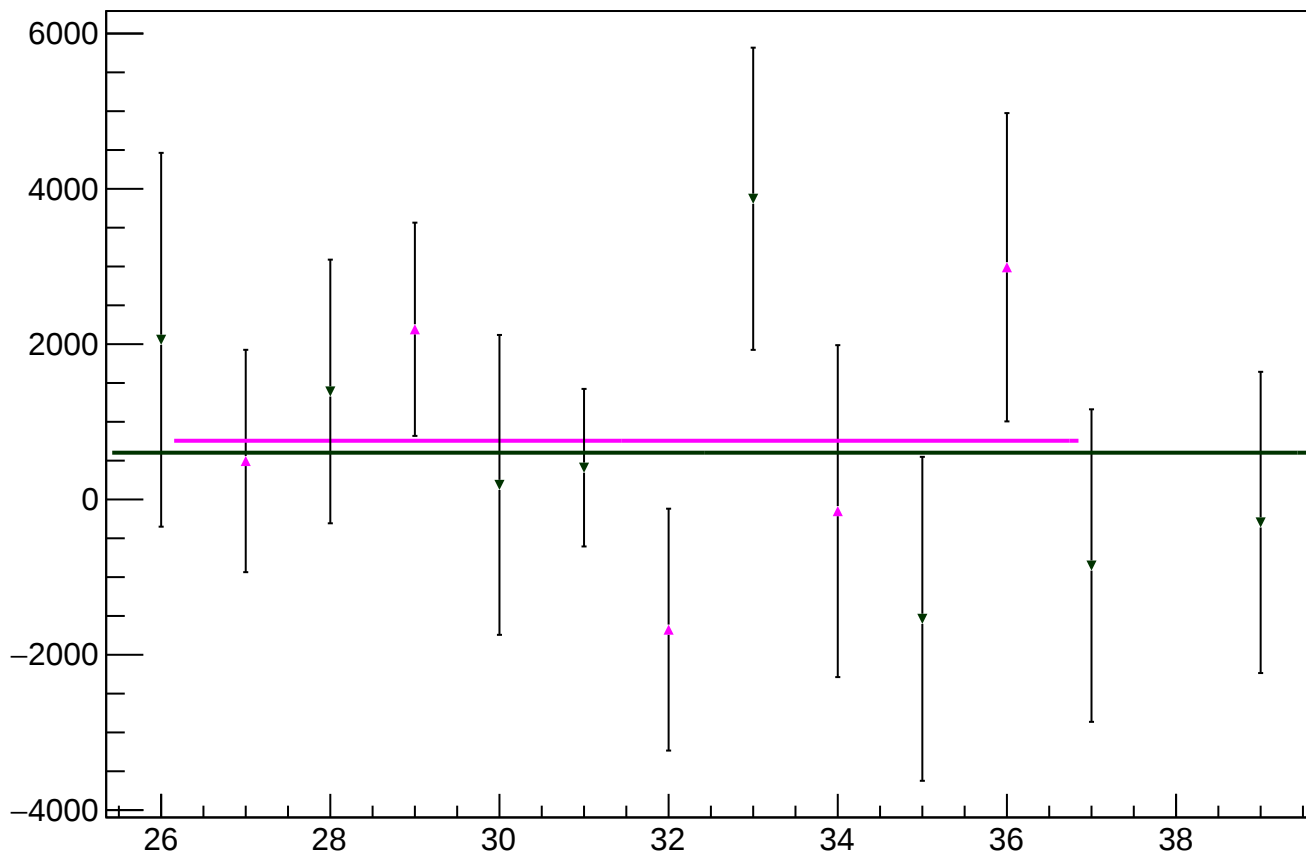
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1285.589+/-0.482  $\chi^2/\text{NDF}$ : 24063.8/4

1056.455+/-0.394  $\chi^2/\text{NDF}$ : 1120431.4/7

1285.589+/-0.482  $\chi^2/\text{NDF}$ : 24063.8/4

# asym\_at1\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 602.344+/-601.239  $\chi^2/\text{NDF}$ : 5.3/7

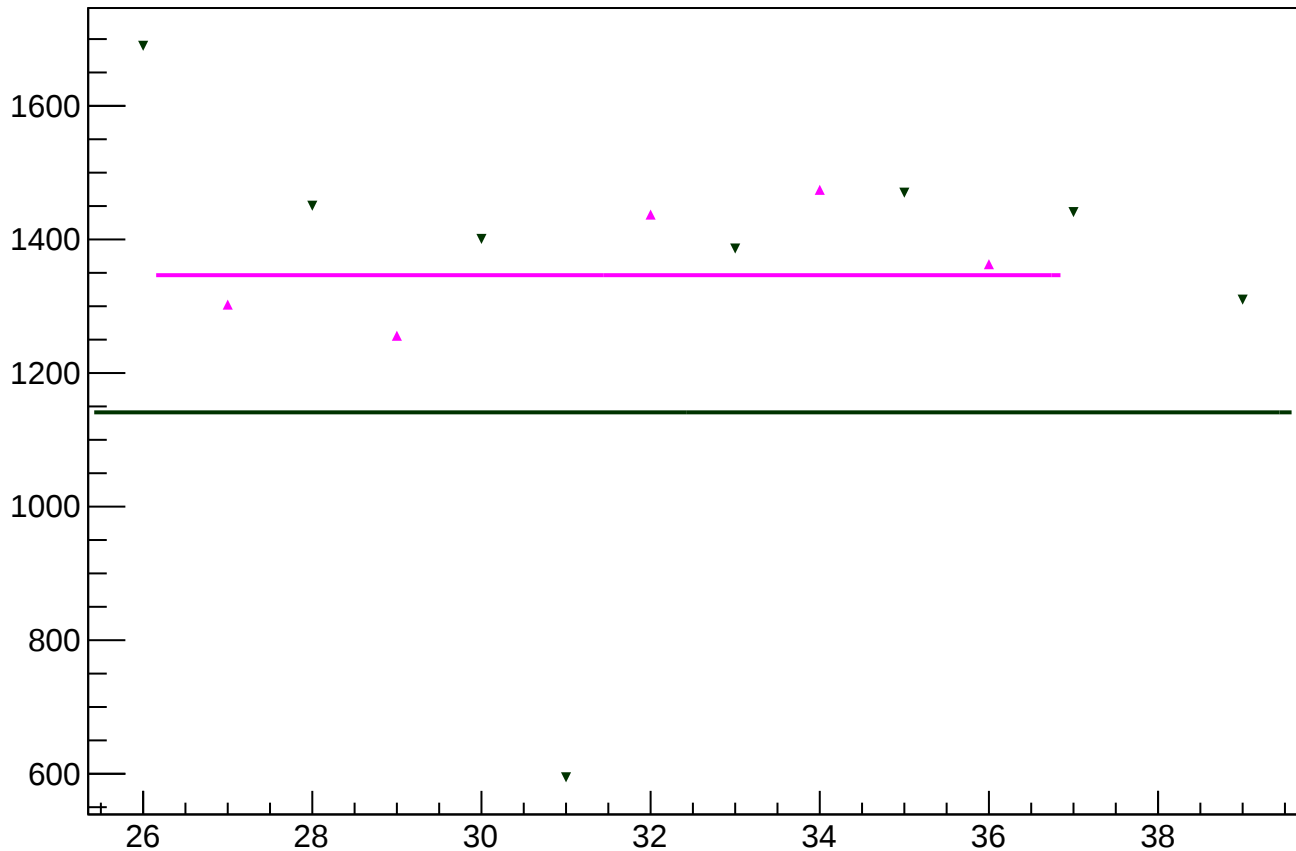
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 756.099+/-724.834  $\chi^2/\text{NDF}$ : 5.0/4

602.344+/-601.239  $\chi^2/\text{NDF}$ : 5.3/7

756.099+/-724.834  $\chi^2/\text{NDF}$ : 5.0/4

# asym\_at1\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1141.139+/-0.425  $\chi^2/\text{NDF}$ : 927868.7/7

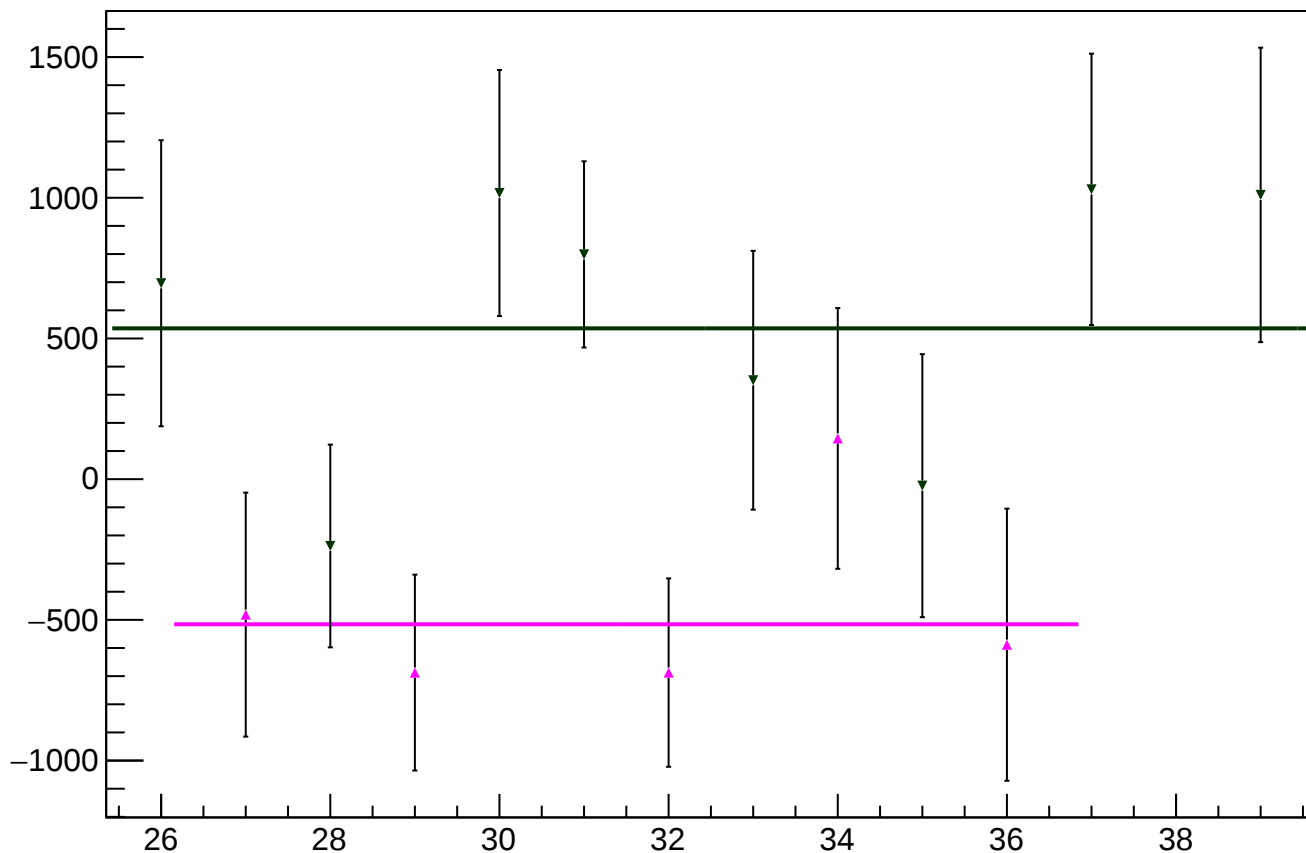
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1346.505+/-0.513  $\chi^2/\text{NDF}$ : 24693.0/4

1141.139+/-0.425  $\chi^2/\text{NDF}$ : 927868.7/7

1346.505+/-0.513  $\chi^2/\text{NDF}$ : 24693.0/4

# reg\_asym\_at2\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 535.960+/-152.137  $\chi^2/\text{NDF}$ : 10.0/7

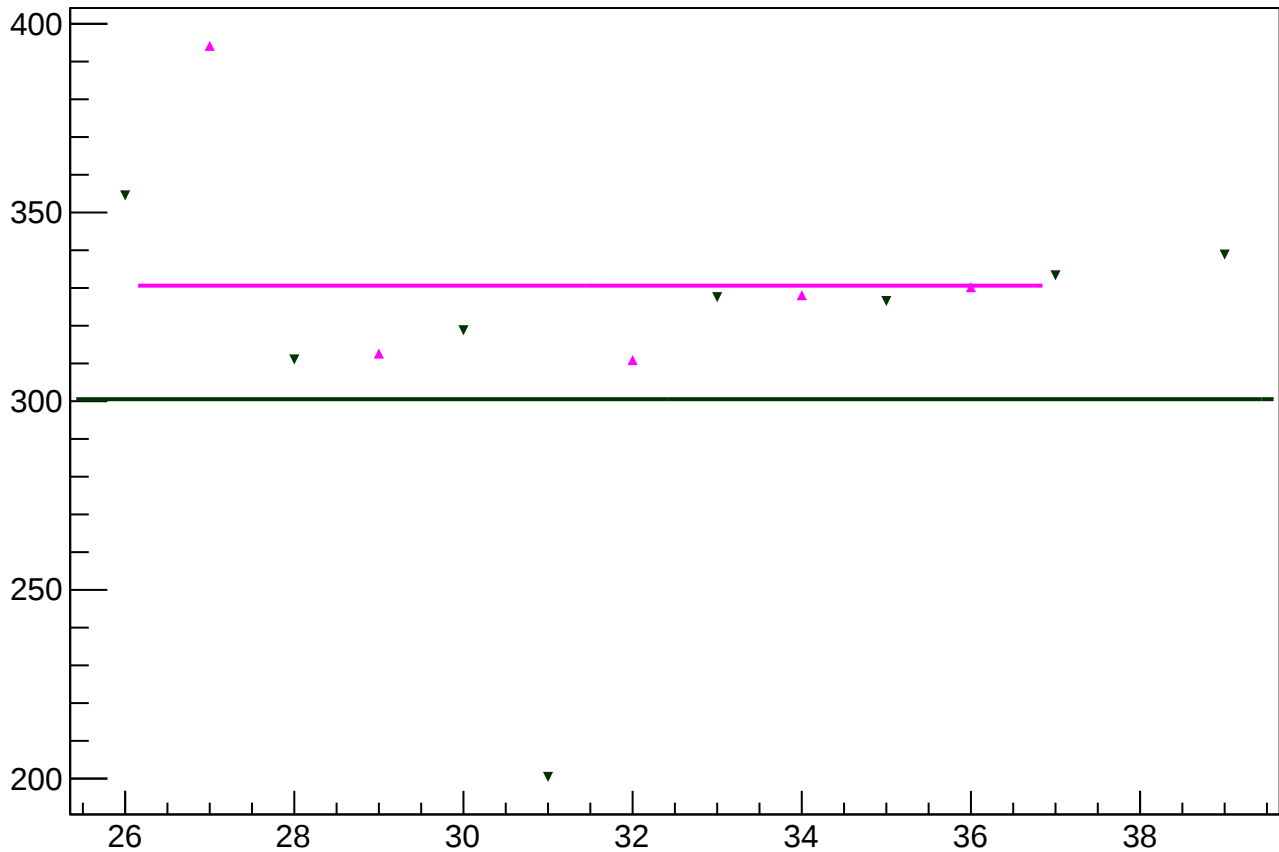
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -515.638+/-178.371  $\chi^2/\text{NDF}$ : 2.6/4

535.960+/-152.137  $\chi^2/\text{NDF}$ : 10.0/7

-515.638+/-178.371  $\chi^2/\text{NDF}$ : 2.6/4

# reg\_asym\_at2\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 300.532+/-0.108  $\chi^2/\text{NDF}$ :243844.0/7

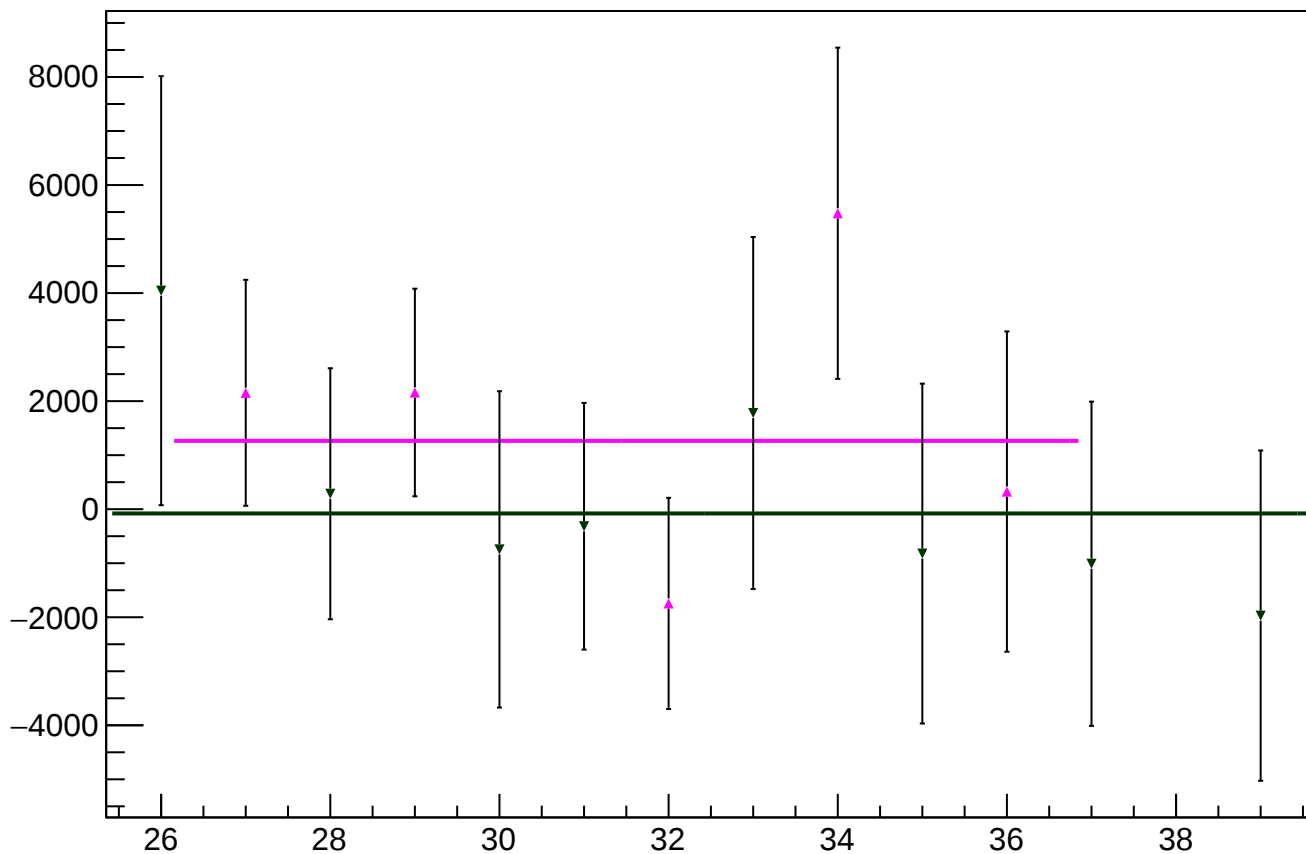
300.532+/-0.108  $\chi^2/\text{NDF}$ : 243844.0/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

330.622+/-0.126  $\chi^2/\text{NDF}$ : 55309.4/4

Left In: 330.622+/-0.126  $\chi^2/\text{NDF}$ :55309.4/4

asym\_at2\_avg\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -78.842+/-1015.076  $\chi^2/\text{NDF}$ : 2.0/7

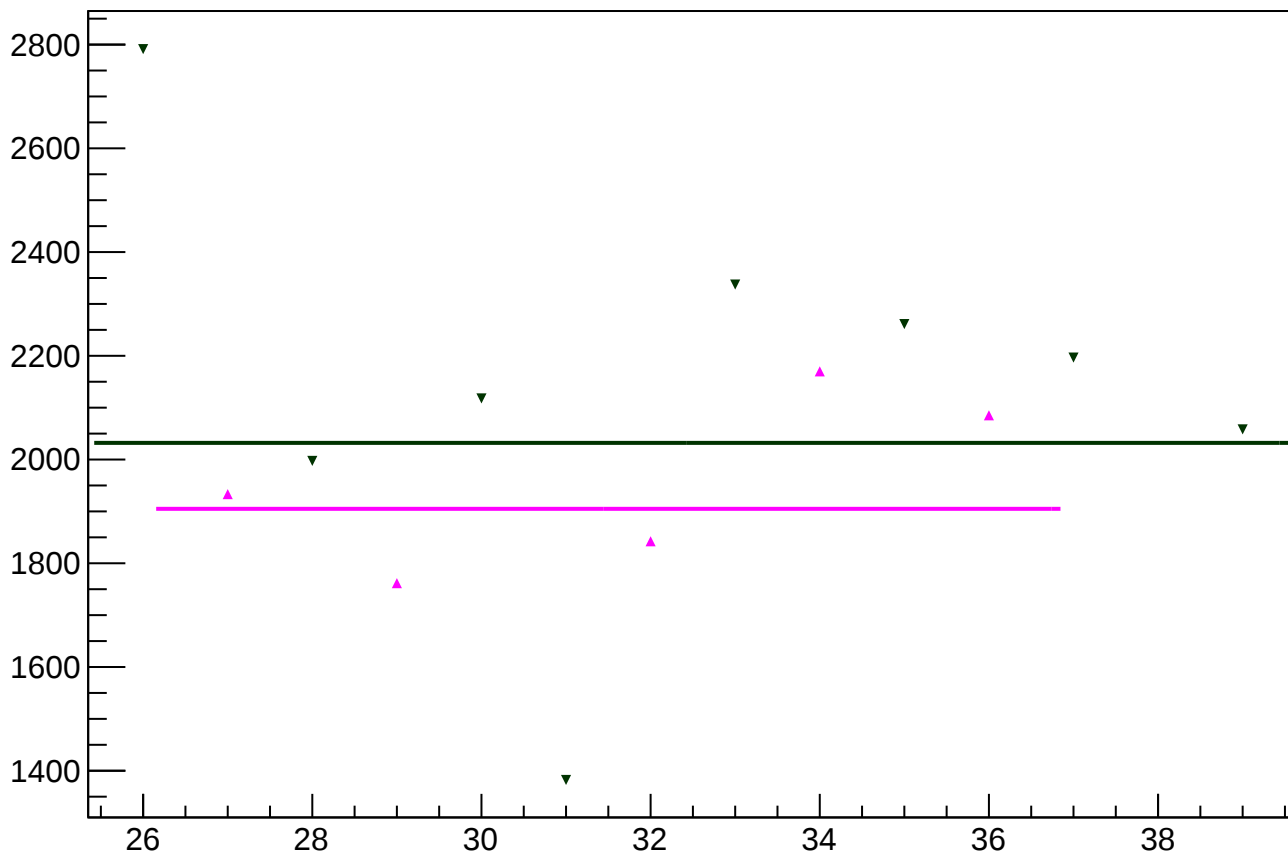
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1264.656+/-1009.408  $\chi^2/\text{NDF}$ : 4.8/4

-78.842+/-1015.076  $\chi^2/\text{NDF}$ : 2.0/7

1264.656+/-1009.408  $\chi^2/\text{NDF}$ : 4.8/4

# asym\_at2\_avg\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2032.133+/-0.718  $\chi^2/\text{NDF}$ : 271617.9/7

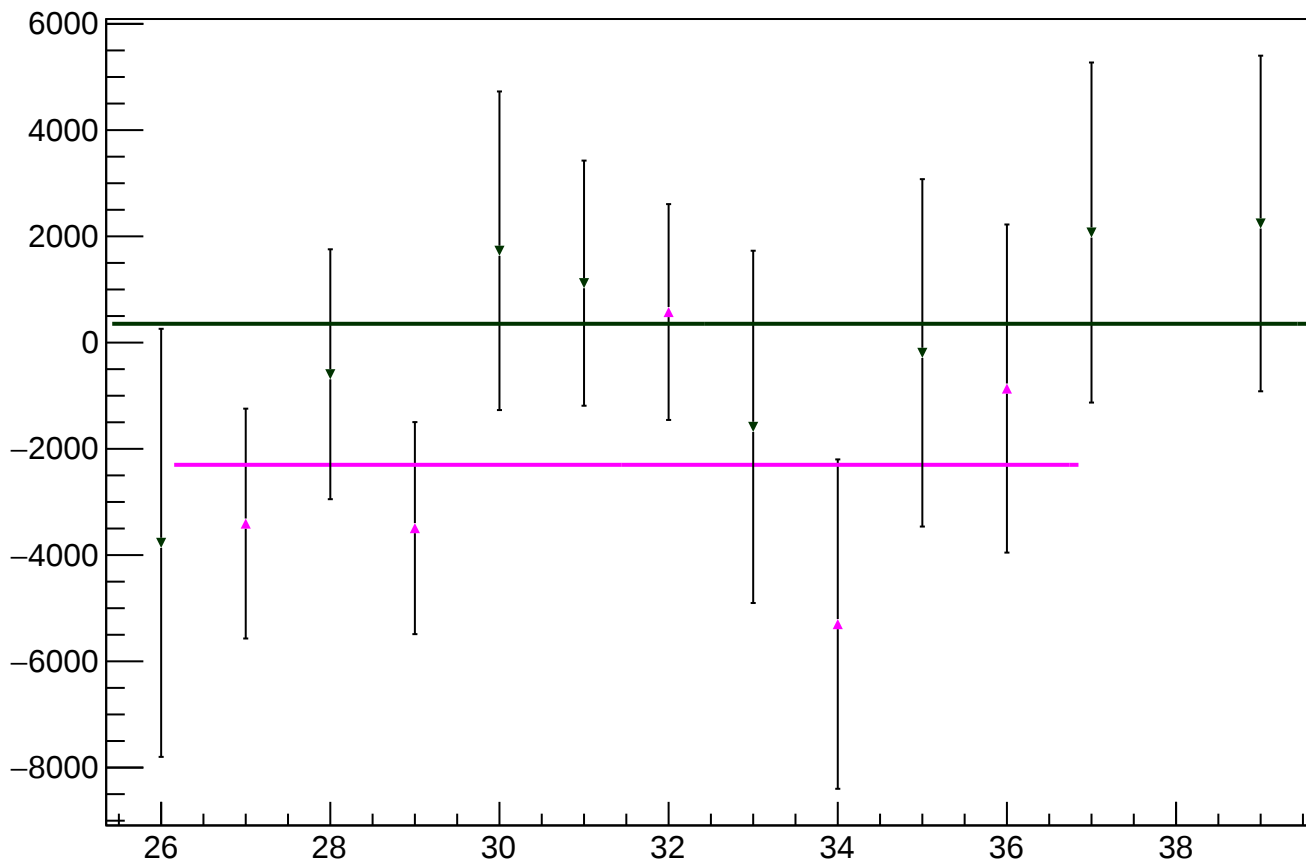
2032.133+/-0.718  $\chi^2/\text{NDF}$ : 271617.9/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1904.975+/-0.714  $\chi^2/\text{NDF}$ : 35893.1/4

Left In: 1904.975+/-0.714  $\chi^2/\text{NDF}$ : 35893.1/4

# asym\_at2\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 354.115+/-1040.479  $\chi^2/\text{NDF}$ : 2.5/7

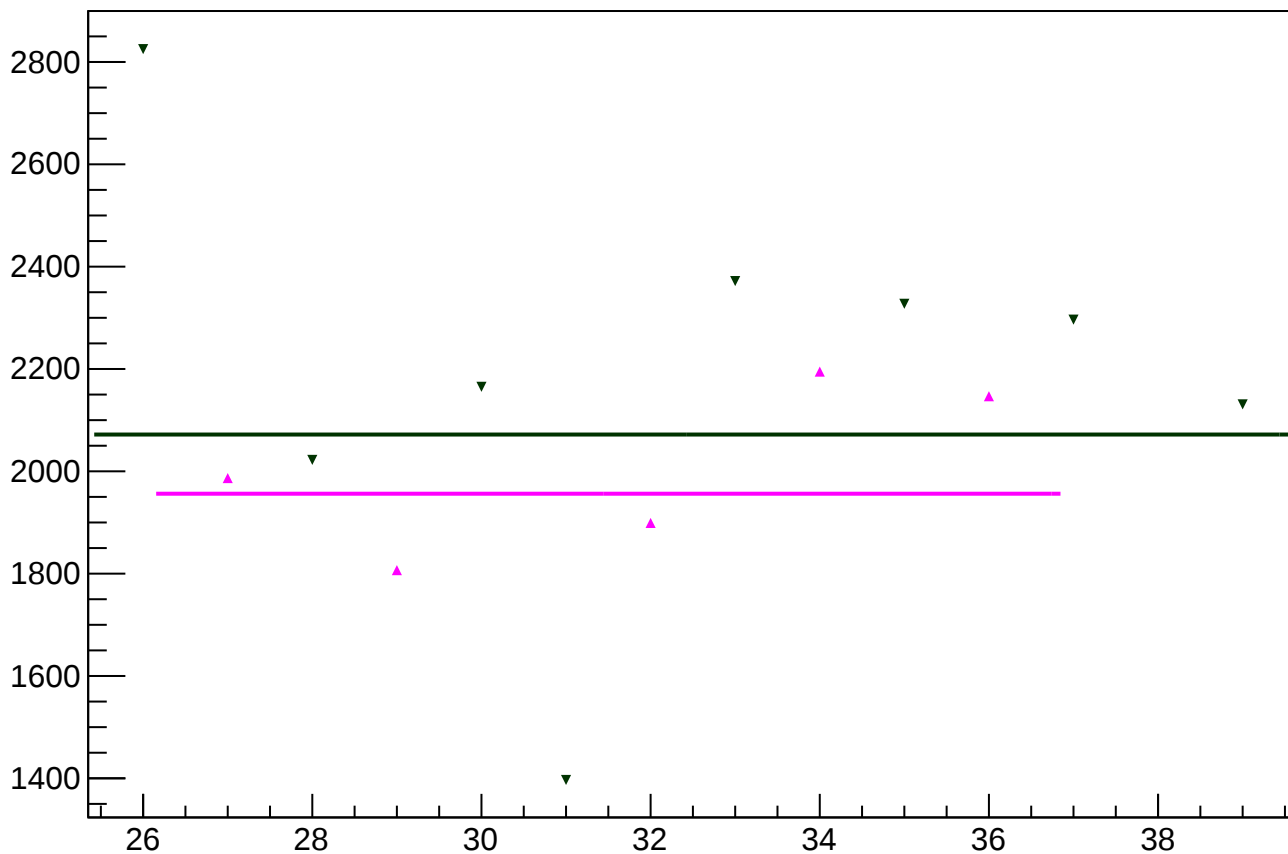
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2300.737+/-1044.916  $\chi^2/\text{NDF}$ : 3.8/4

354.115+/-1040.479  $\chi^2/\text{NDF}$ : 2.5/7

-2300.737+/-1044.916  $\chi^2/\text{NDF}$ : 3.8/4

# asym\_at2\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 2071.884+/-0.736  $\chi^2/\text{NDF}$ : 283079.2/7

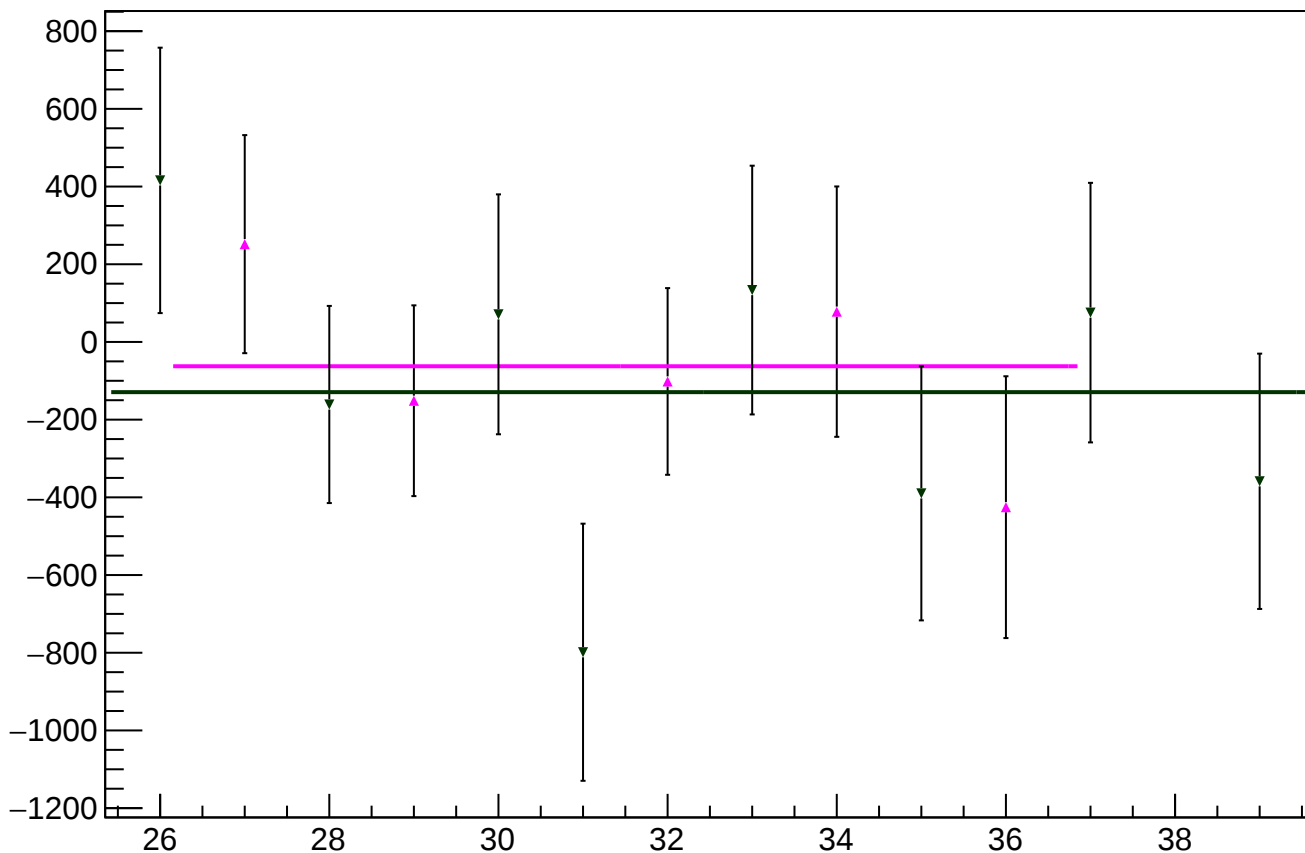
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1956.220+/-0.739  $\chi^2/\text{NDF}$ : 32643.6/4

2071.884+/-0.736  $\chi^2/\text{NDF}$ : 283079.2/7

1956.220+/-0.739  $\chi^2/\text{NDF}$ : 32643.6/4

# reg\_asym\_at2\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -129.220+/-111.074  $\chi^2/\text{NDF}$ : 9.2/7

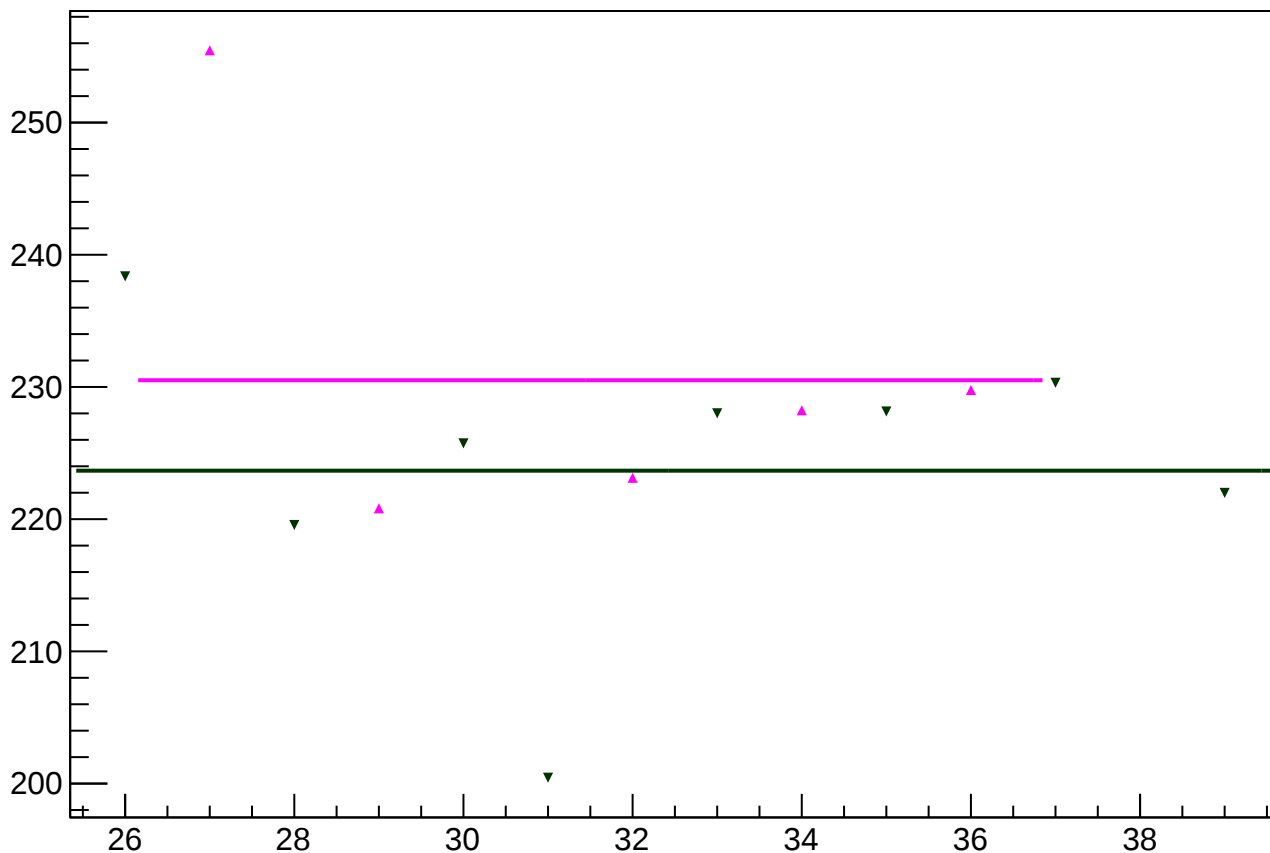
-129.220+/-111.074  $\chi^2/\text{NDF}$ : 9.2/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-62.575+/-123.994  $\chi^2/\text{NDF}$ : 2.8/4

Left In: -62.575+/-123.994  $\chi^2/\text{NDF}$ : 2.8/4

# reg\_asym\_at2\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 223.668+/-0.079  $\chi^2/\text{NDF}$ : 15754.3/7

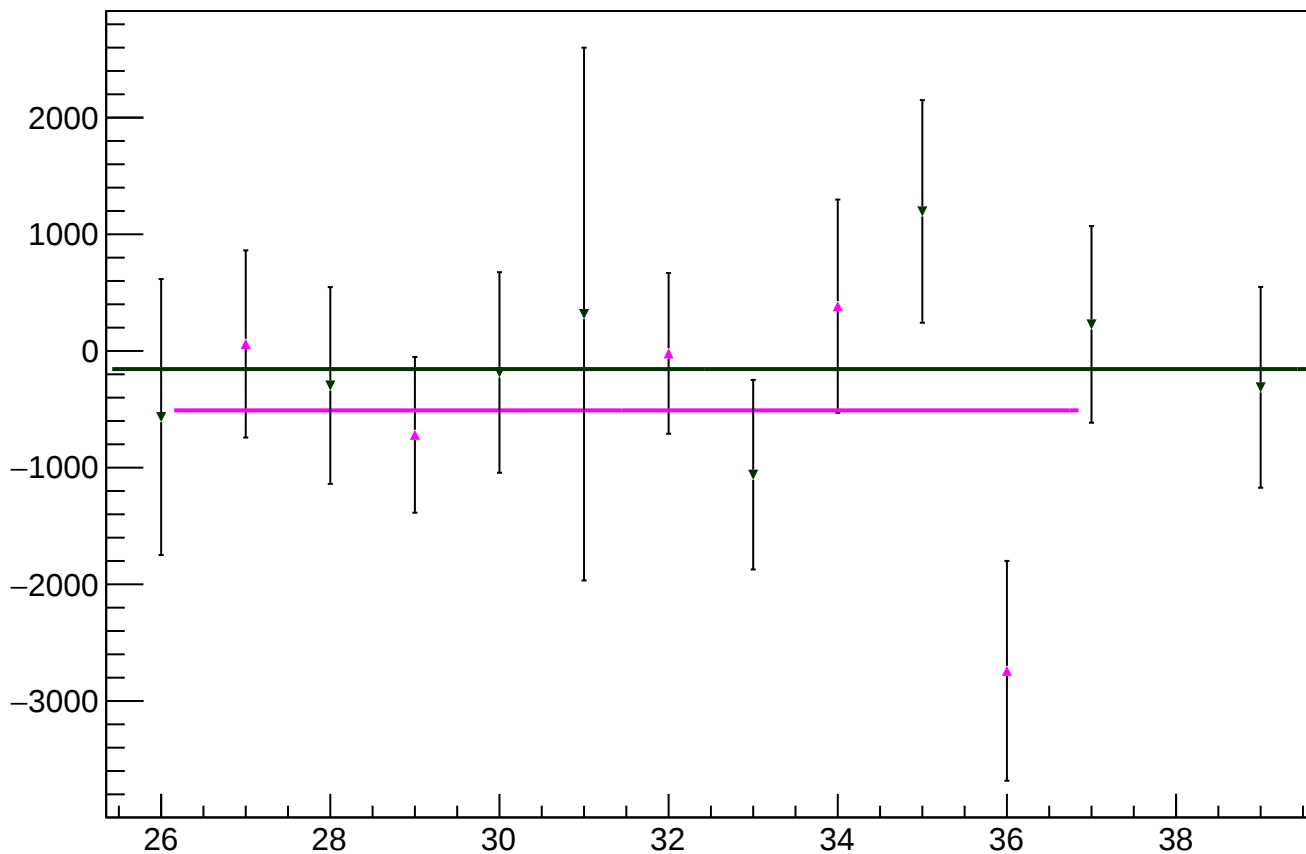
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 230.508+/-0.088  $\chi^2/\text{NDF}$ : 20922.8/4

223.668+/-0.079  $\chi^2/\text{NDF}$ : 15754.3/7

230.508+/-0.088  $\chi^2/\text{NDF}$ : 20922.8/4

# asym\_at2\_dd\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -155.181+/-332.631  $\chi^2/\text{NDF}$ : 3.7/7

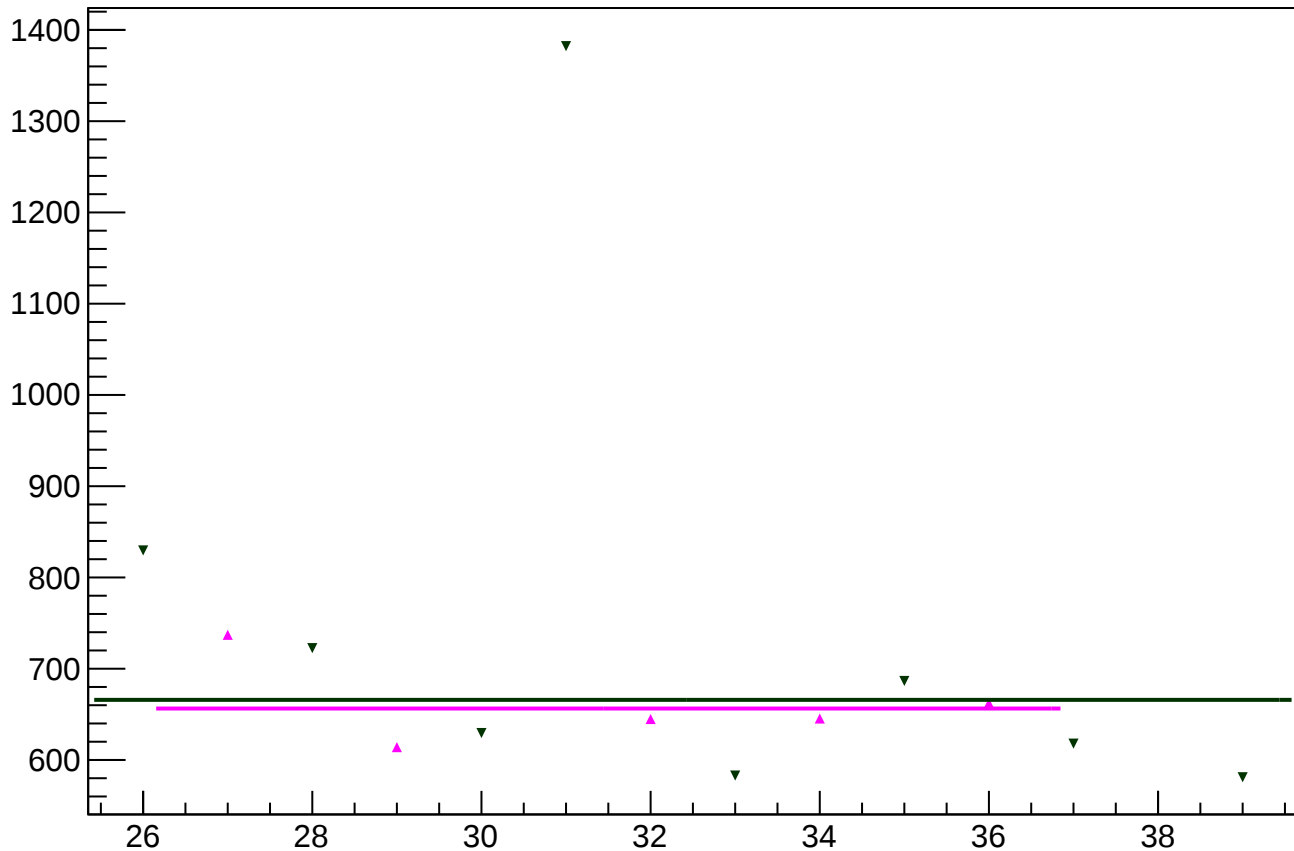
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -508.949+/-348.526  $\chi^2/\text{NDF}$ : 7.7/4

-155.181+/-332.631  $\chi^2/\text{NDF}$ : 3.7/7

-508.949+/-348.526  $\chi^2/\text{NDF}$ : 7.7/4

# asym\_at2\_dd\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 665.872+/-0.235  $\chi^2/\text{NDF}$ : 295491.0/7

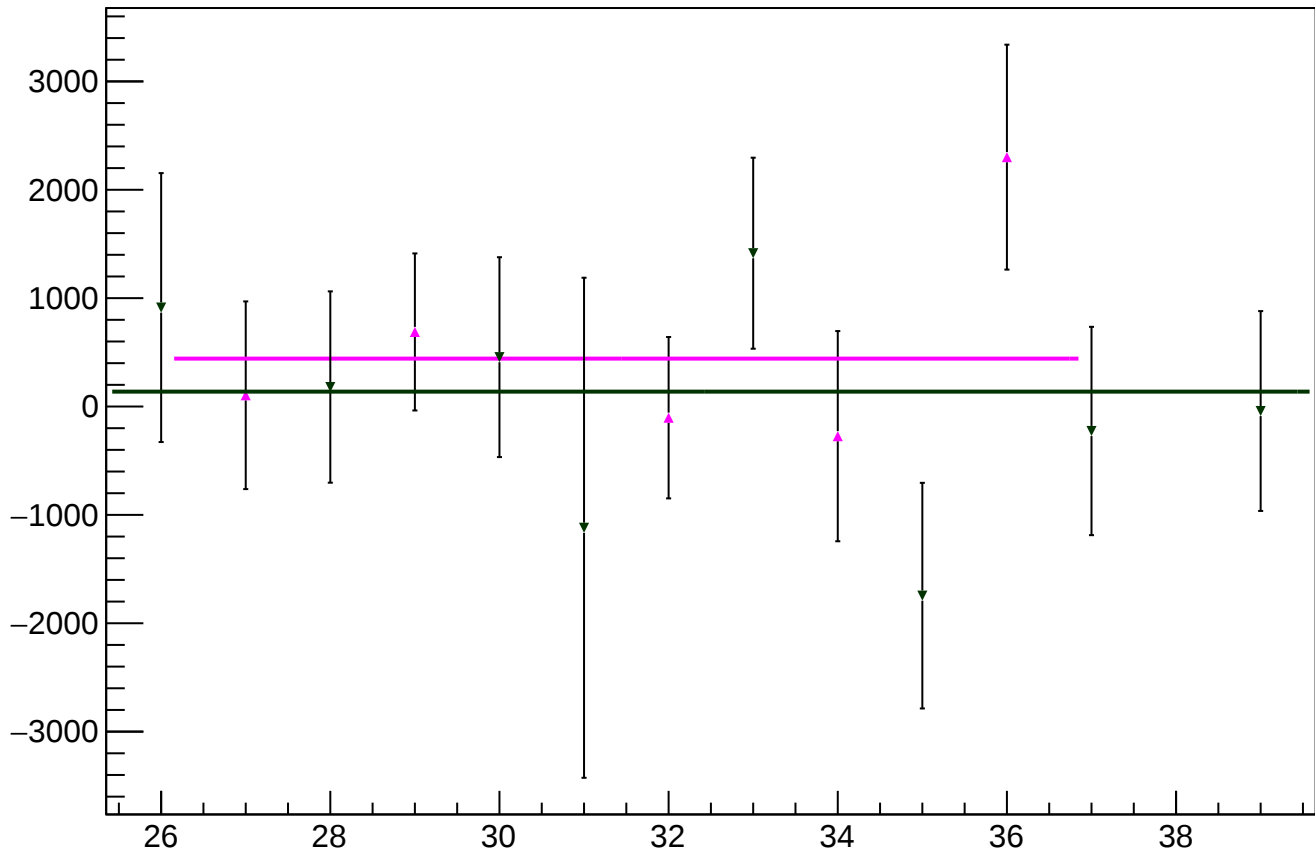
665.872+/-0.235  $\chi^2/\text{NDF}$ : 295491.0/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

656.381+/-0.246  $\chi^2/\text{NDF}$ : 29258.7/4

Left In: 656.381+/-0.246  $\chi^2/\text{NDF}$ : 29258.7/4

# asym\_at2\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 137.359+/-358.864  $\chi^2/\text{NDF}$ : 6.4/7

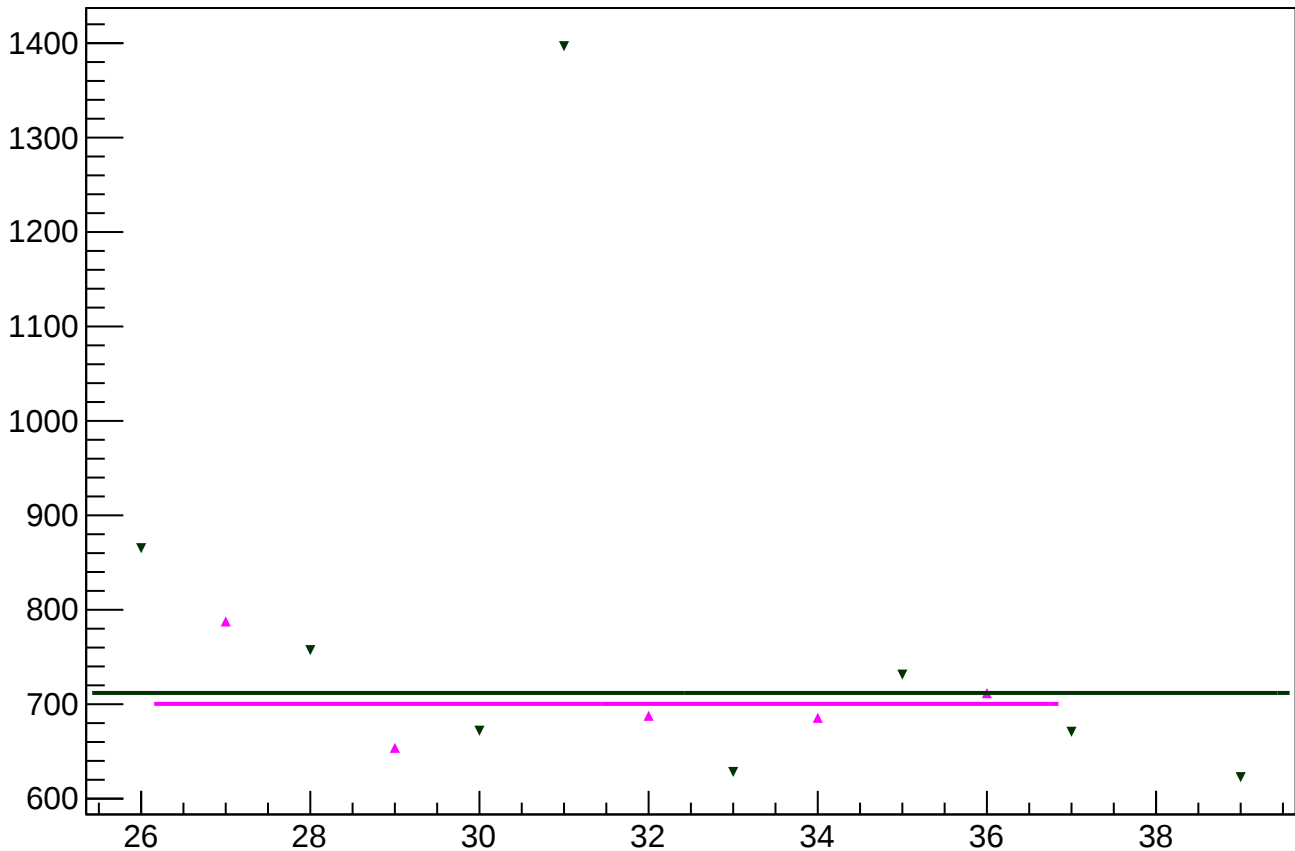
137.359+/-358.864  $\chi^2/\text{NDF}$ : 6.4/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

442.025+/-377.088  $\chi^2/\text{NDF}$ : 4.6/4

Left In: 442.025+/-377.088  $\chi^2/\text{NDF}$ : 4.6/4

# asym\_at2\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 711.948+/-0.254  $\chi^2/\text{NDF}$ : 256856.6/7

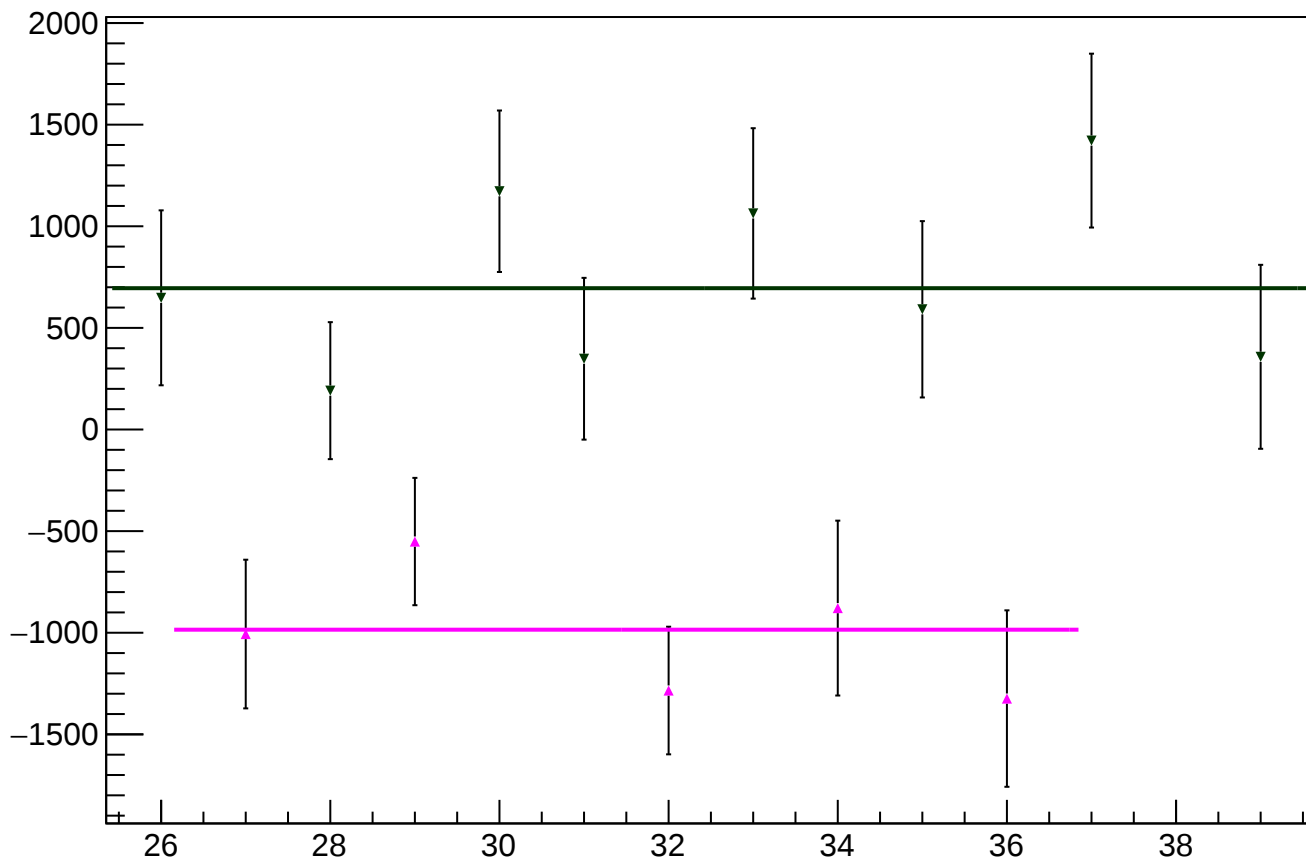
711.948+/-0.254  $\chi^2/\text{NDF}$ : 256856.6/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

700.371+/-0.267  $\chi^2/\text{NDF}$ : 29844.2/4

Left In: 700.371+/-0.267  $\chi^2/\text{NDF}$ : 29844.2/4

# reg\_asym\_atl1r2\_avg\_mean vs slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 695.305 $\pm$ 144.033  $\chi^2$ /NDF: 8.7/7

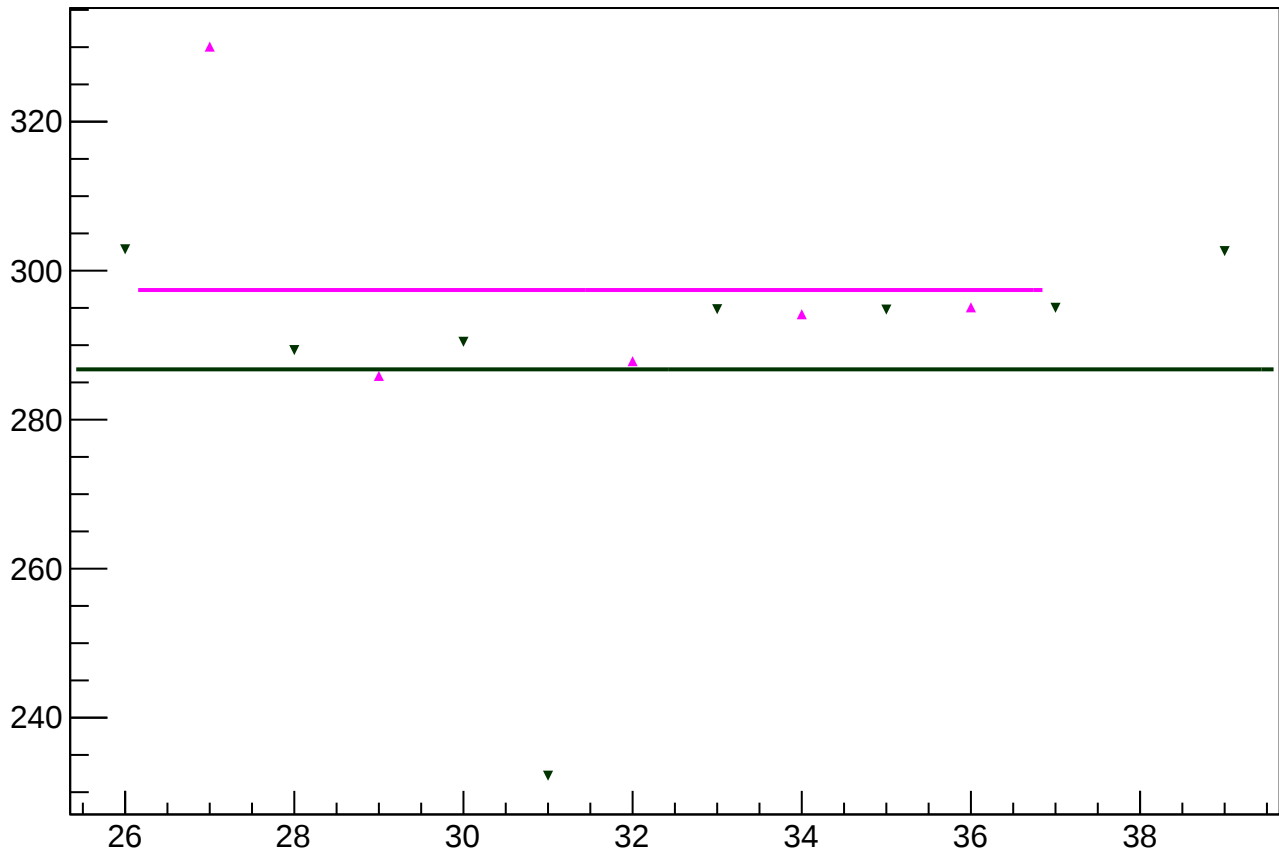
Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: -984.999 $\pm$ 161.127  $\chi^2$ /NDF: 3.5/4

695.305 $\pm$ 144.033  $\chi^2$ /NDF: 8.7/7

-984.999 $\pm$ 161.127  $\chi^2$ /NDF: 3.5/4

# reg\_asym\_atl1r2\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 286.752+/-0.102  $\chi^2/\text{NDF}$ : 45288.7/7

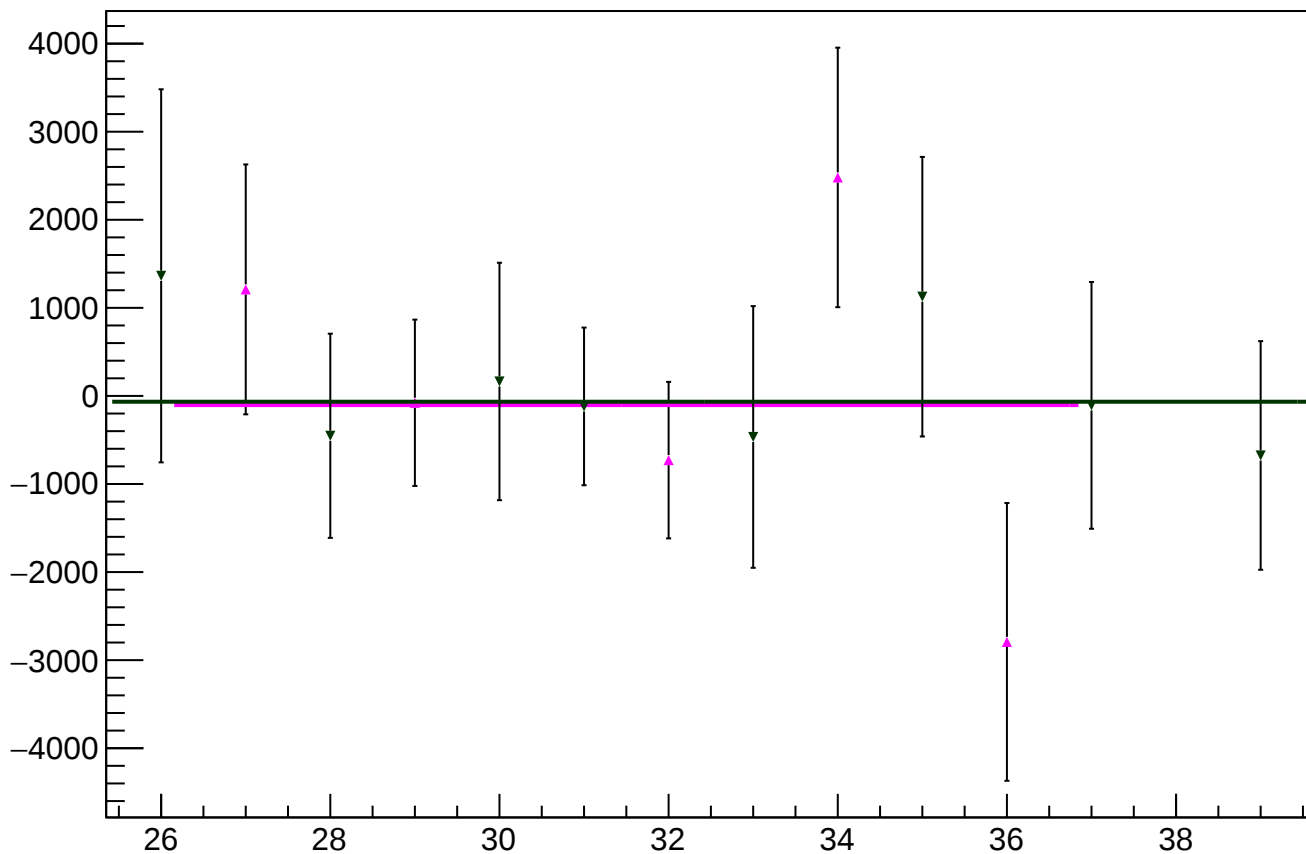
286.752+/-0.102  $\chi^2/\text{NDF}$ : 45288.7/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

297.402+/-0.114  $\chi^2/\text{NDF}$ : 20687.7/4

Left In: 297.402+/-0.114  $\chi^2/\text{NDF}$ : 20687.7/4

# asym\_atl1r2\_avg\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -65.881+/-460.330  $\chi^2/\text{NDF}$ : 1.5/7

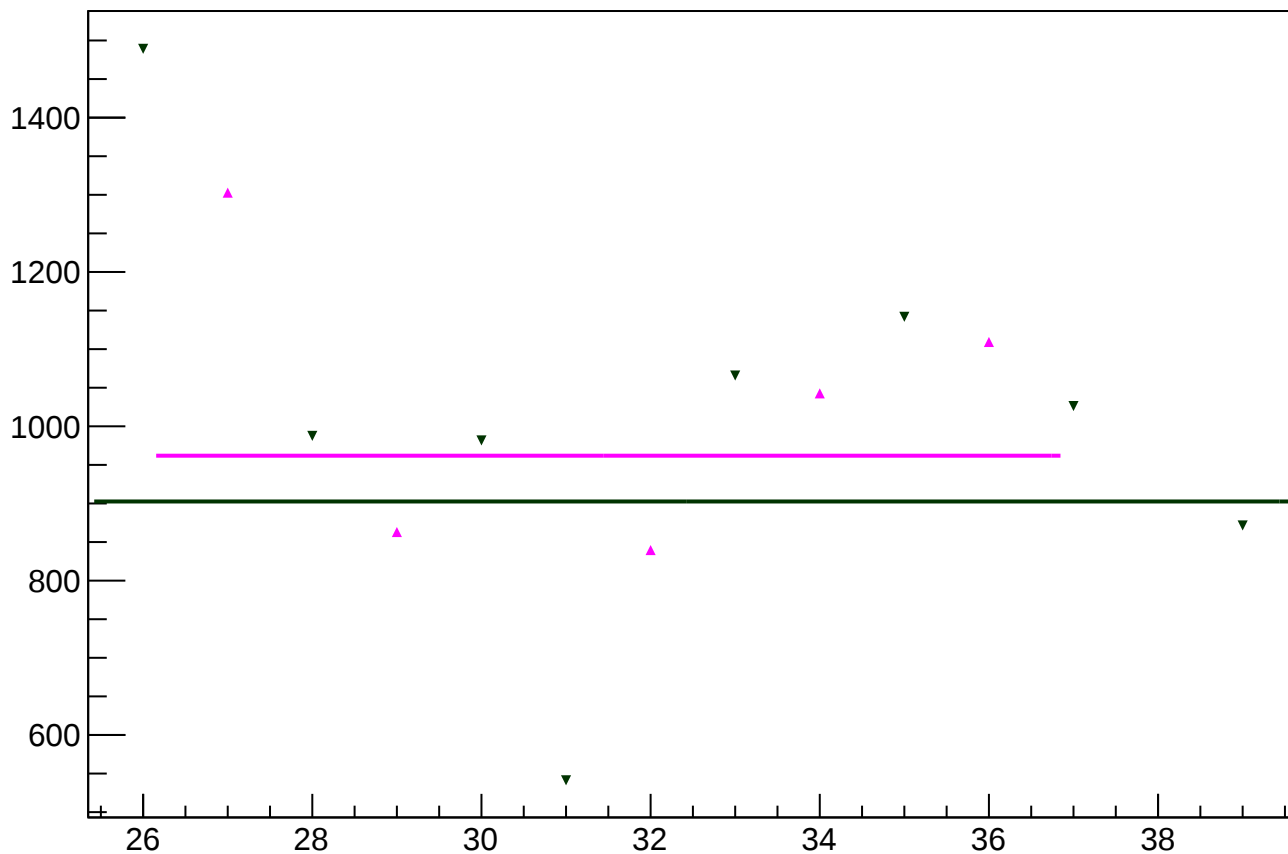
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -104.057+/-516.540  $\chi^2/\text{NDF}$ : 7.3/4

-65.881+/-460.330  $\chi^2/\text{NDF}$ : 1.5/7

-104.057+/-516.540  $\chi^2/\text{NDF}$ : 7.3/4

# asym\_atl1r2\_avg\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 902.588+/-0.326  $\chi^2/\text{NDF}$ : 583392.6/7

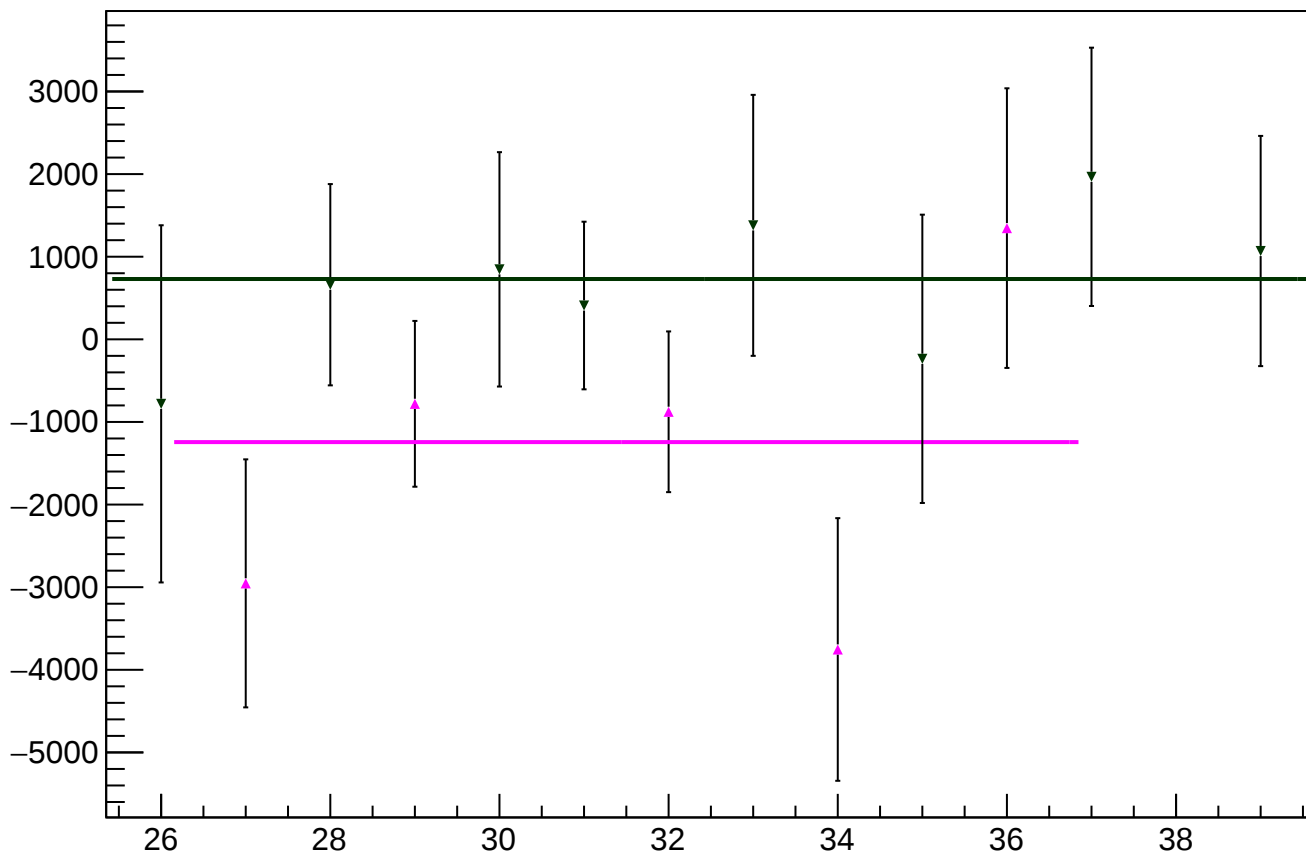
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 961.916+/-0.365  $\chi^2/\text{NDF}$ : 198775.6/4

902.588+/-0.326  $\chi^2/\text{NDF}$ : 583392.6/7

961.916+/-0.365  $\chi^2/\text{NDF}$ : 198775.6/4

# asym\_atl1r2\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 730.145+/-499.353  $\chi^2/\text{NDF}$ : 1.8/7

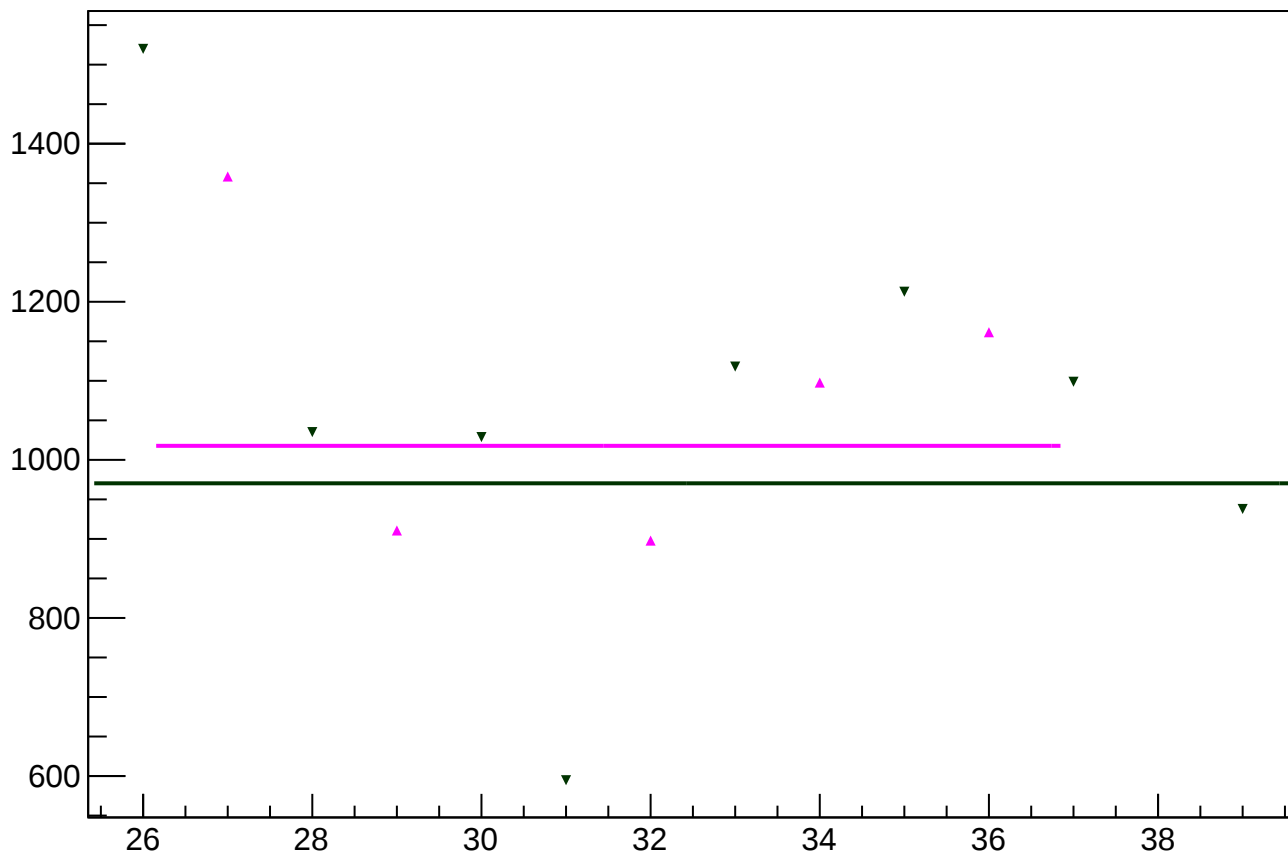
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -1243.872+/-555.636  $\chi^2/\text{NDF}$ : 6.5/4

730.145+/-499.353  $\chi^2/\text{NDF}$ : 1.8/7

-1243.872+/-555.636  $\chi^2/\text{NDF}$ : 6.5/4

# asym\_atl1r2\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 970.343+/-0.353  $\chi^2/\text{NDF}$ : 483243.8/7

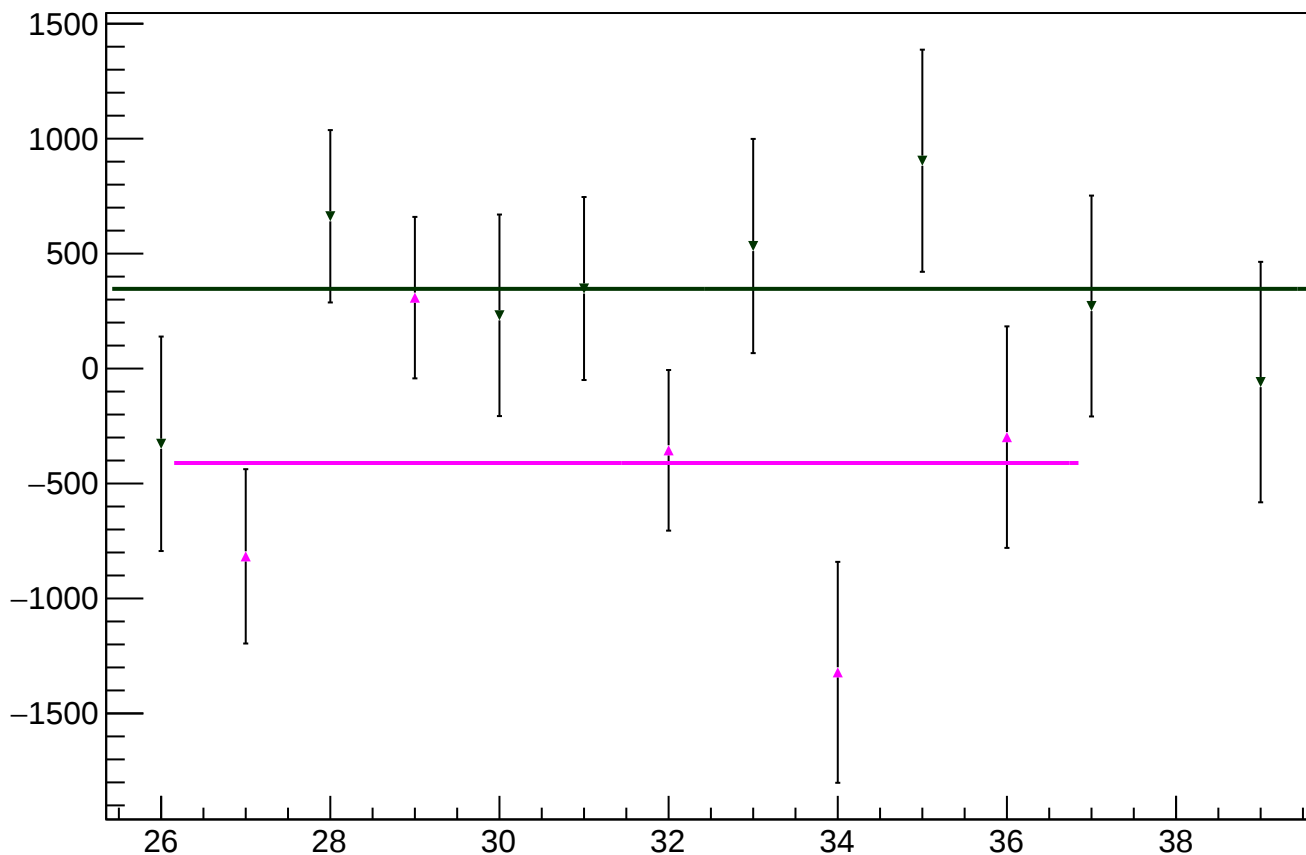
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1017.764+/-0.393  $\chi^2/\text{NDF}$ : 175704.6/4

970.343+/-0.353  $\chi^2/\text{NDF}$ : 483243.8/7

1017.764+/-0.393  $\chi^2/\text{NDF}$ : 175704.6/4

reg\_asym\_atl1r2\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 346.686+/-157.889  $\chi^2/\text{NDF}$ : 5.0/7

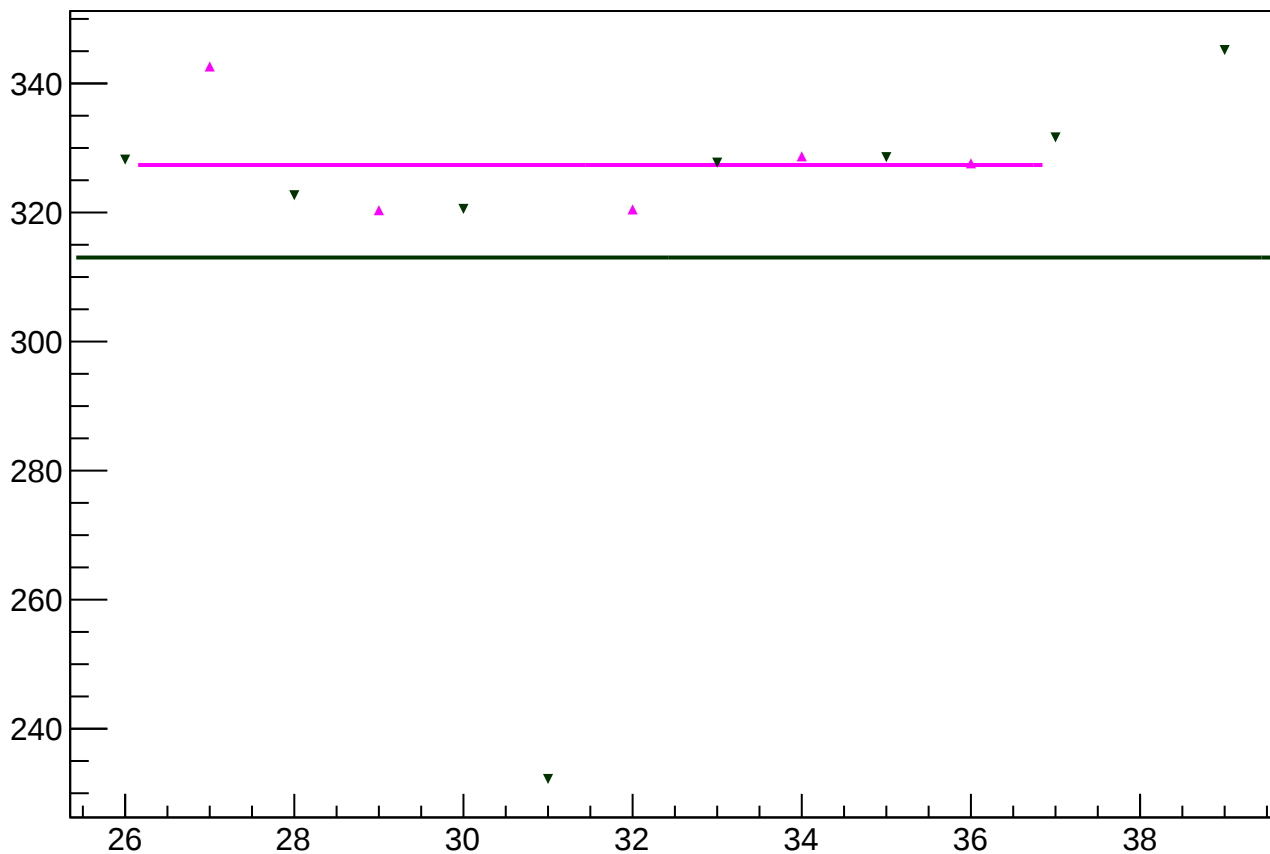
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -410.718+/-177.054  $\chi^2/\text{NDF}$ : 9.0/4

346.686+/-157.889  $\chi^2/\text{NDF}$ : 5.0/7

-410.718+/-177.054  $\chi^2/\text{NDF}$ : 9.0/4

reg\_asym\_atl1r2\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 313.023+/-0.112  $\chi^2/\text{NDF}$ : 101126.8/7

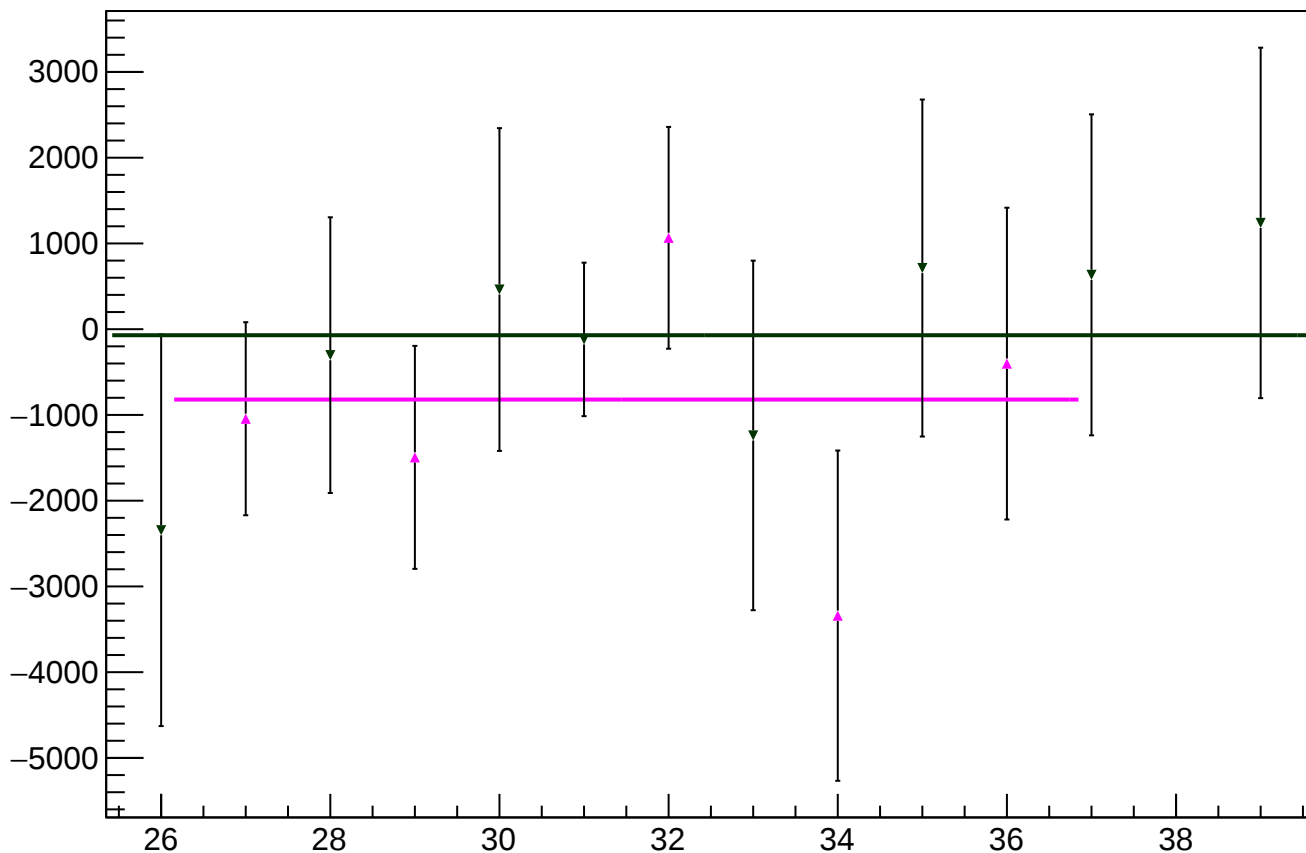
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 327.362+/-0.125  $\chi^2/\text{NDF}$ : 4832.3/4

313.023+/-0.112  $\chi^2/\text{NDF}$ : 101126.8/7

327.362+/-0.125  $\chi^2/\text{NDF}$ : 4832.3/4

# asym\_atl1r2\_dd\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -70.305+/-564.884  $\chi^2/\text{NDF}$ : 2.1/7

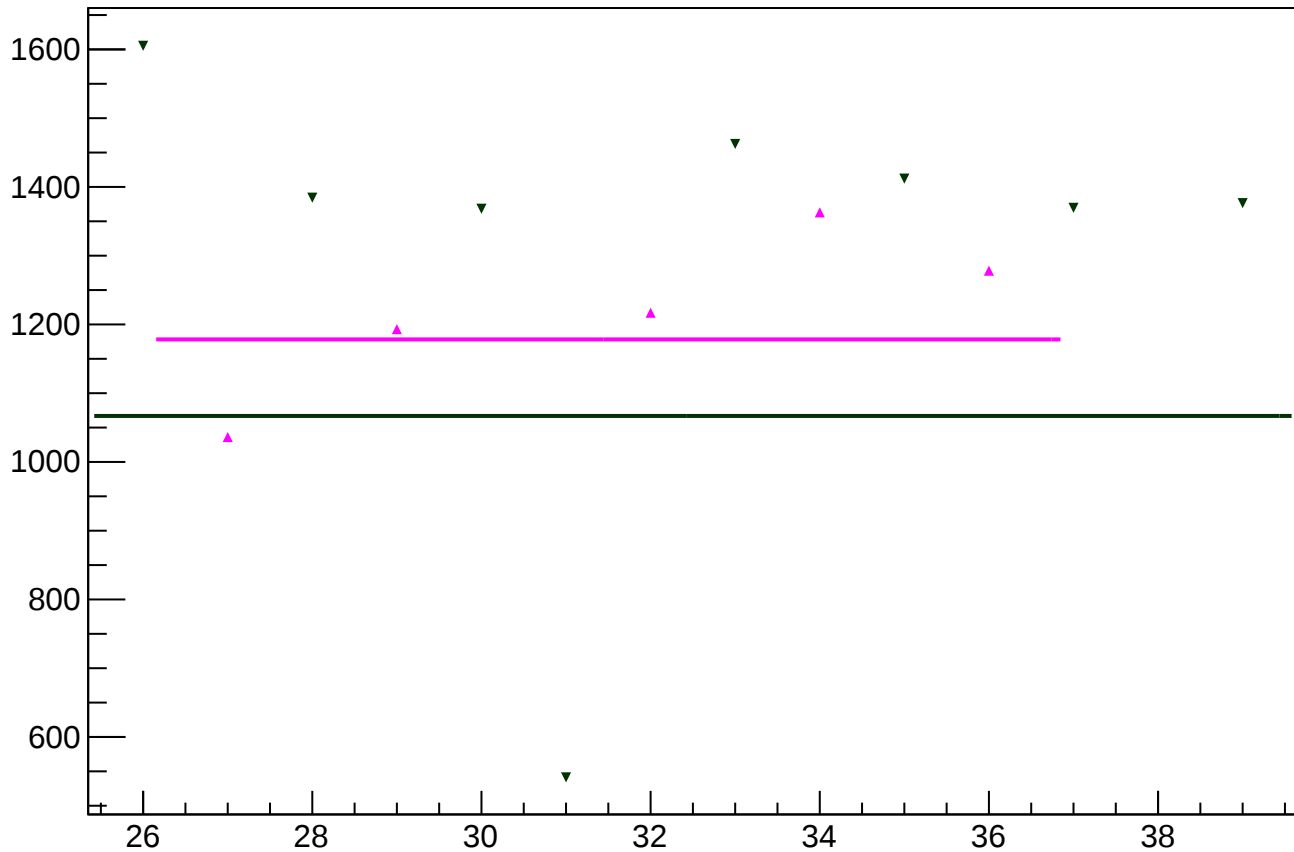
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -820.701+/-626.118  $\chi^2/\text{NDF}$ : 4.2/4

-70.305+/-564.884  $\chi^2/\text{NDF}$ : 2.1/7

-820.701+/-626.118  $\chi^2/\text{NDF}$ : 4.2/4

# asym\_atl1r2\_dd\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 1066.921+/-0.399  $\chi^2$ /NDF:1165561.6/7

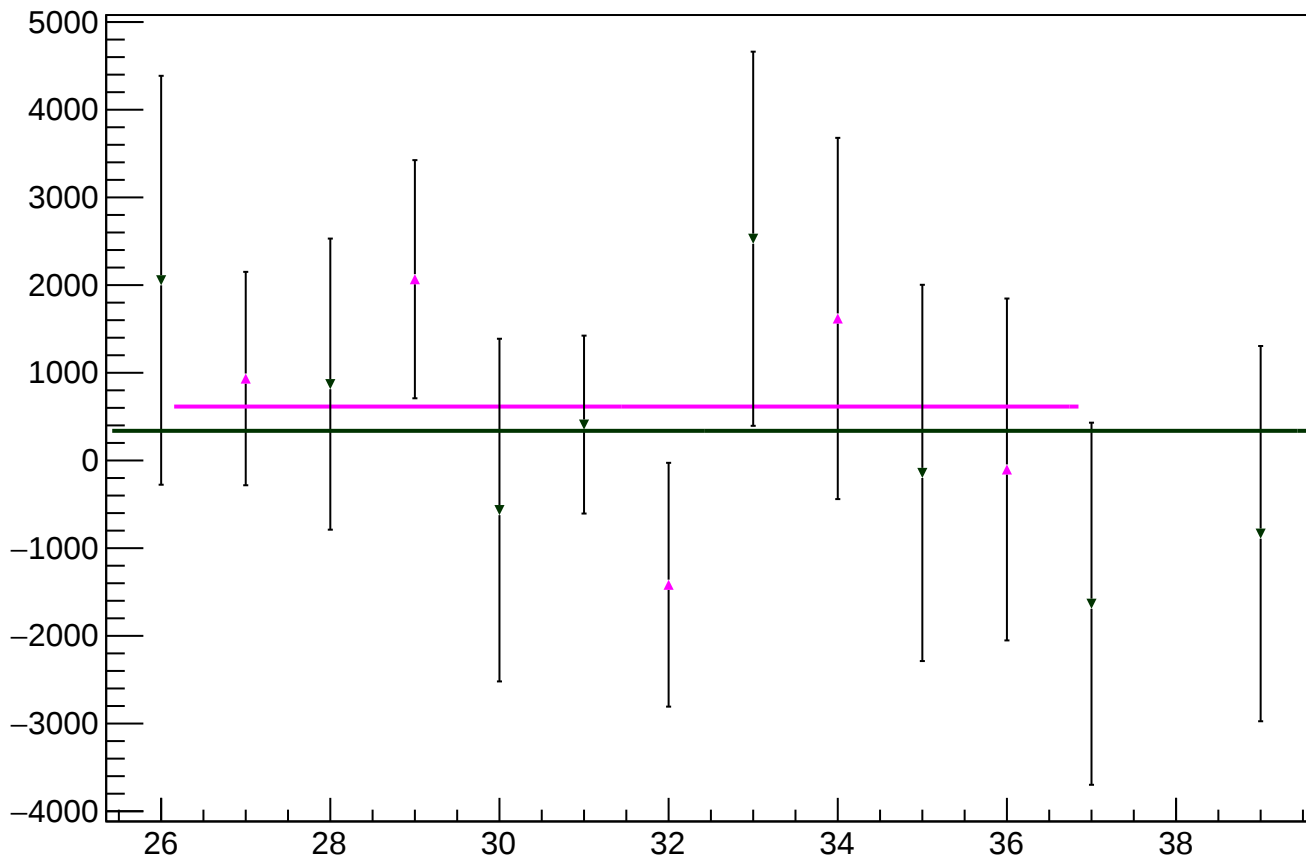
1066.921+/-0.399  $\chi^2$ /NDF: 1165561.6/7

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

1178.241+/-0.443  $\chi^2$ /NDF: 58344.1/4

Left In: 1178.241+/-0.443  $\chi^2$ /NDF:58344.1/4

# asym\_atl1r2\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 338.103+/-611.926  $\chi^2/\text{NDF}$ : 3.2/7

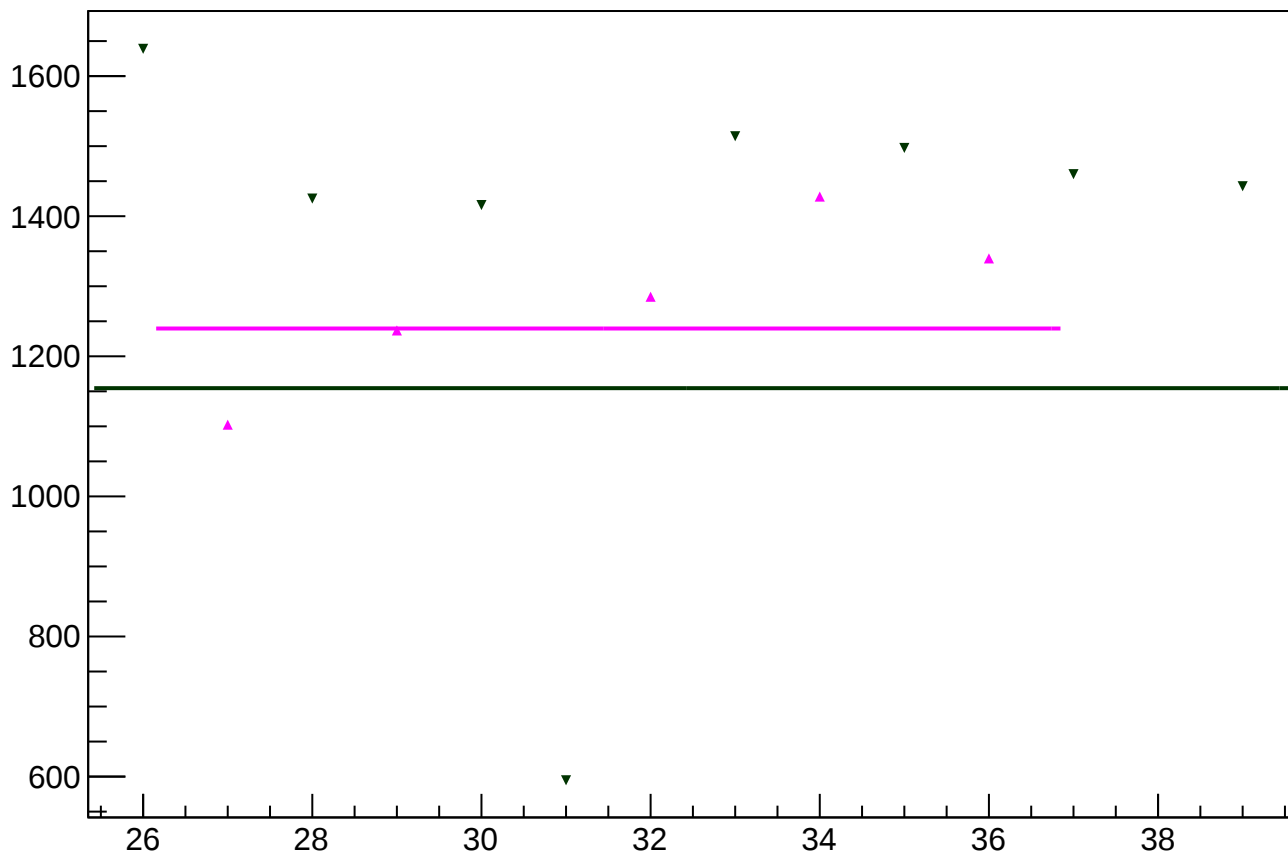
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 614.852+/-669.047  $\chi^2/\text{NDF}$ : 3.7/4

338.103+/-611.926  $\chi^2/\text{NDF}$ : 3.2/7

614.852+/-669.047  $\chi^2/\text{NDF}$ : 3.7/4

# asym\_atl1r2\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1154.513+/-0.433  $\chi^2/\text{NDF}$ : 972385.0/7

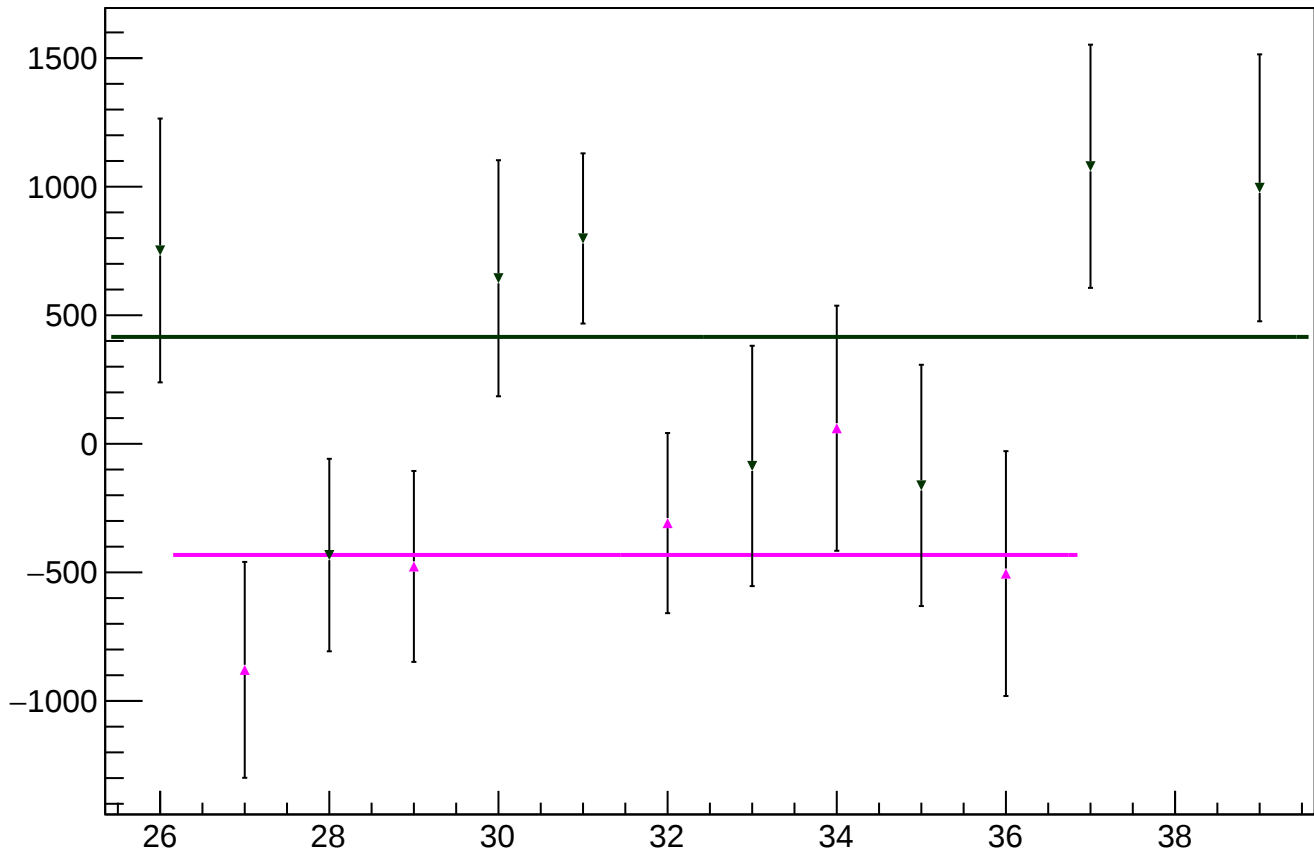
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1239.680+/-0.473  $\chi^2/\text{NDF}$ : 49583.1/4

1154.513+/-0.433  $\chi^2/\text{NDF}$ : 972385.0/7

1239.680+/-0.473  $\chi^2/\text{NDF}$ : 49583.1/4

# reg\_asym\_atr1l2\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 415.750+/-154.084  $\chi^2/\text{NDF}$ : 13.0/7

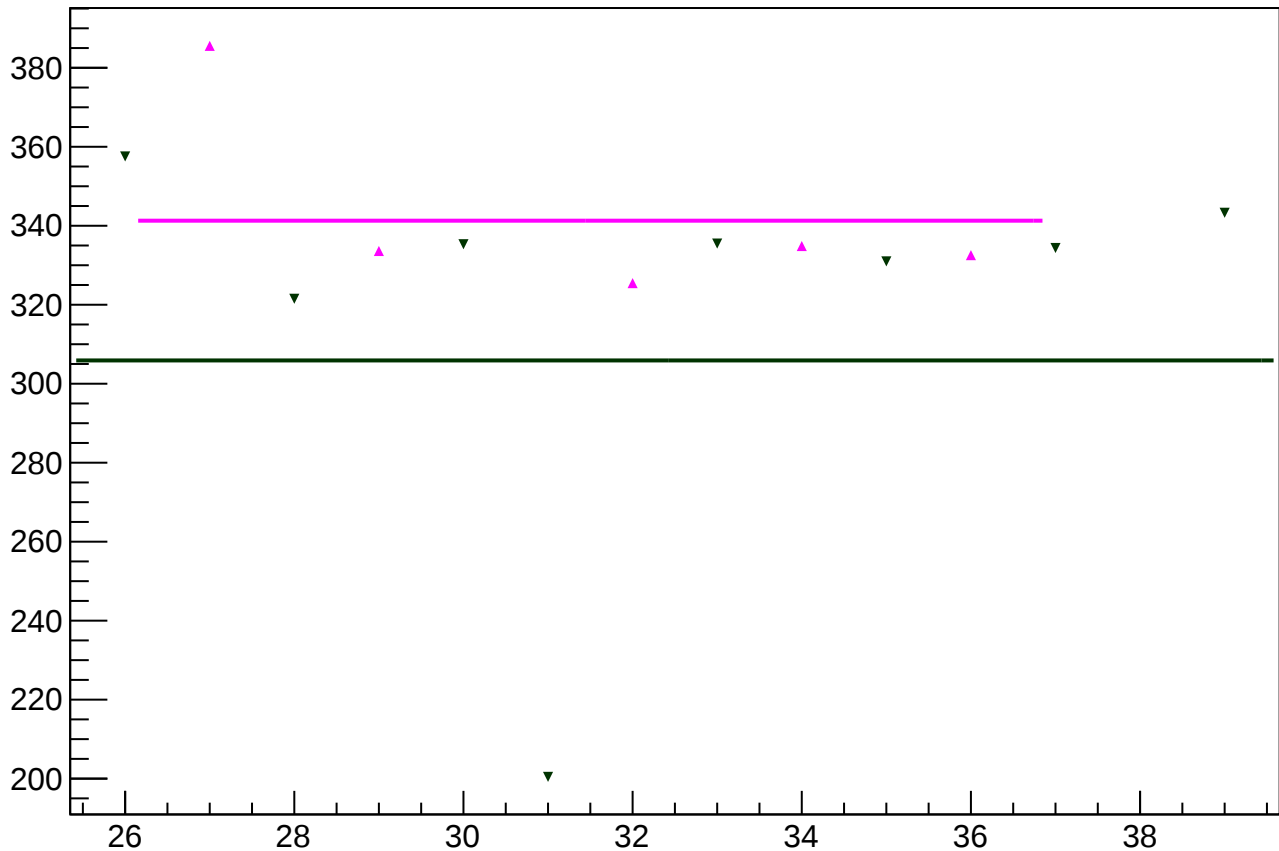
415.750+/-154.084  $\chi^2/\text{NDF}$ : 13.0/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

-432.191+/-182.900  $\chi^2/\text{NDF}$ : 2.4/4

Left In: -432.191+/-182.900  $\chi^2/\text{NDF}$ : 2.4/4

# reg\_asym\_atr1l2\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 305.896+/-0.109  $\chi^2/\text{NDF}$ : 266431.8/7

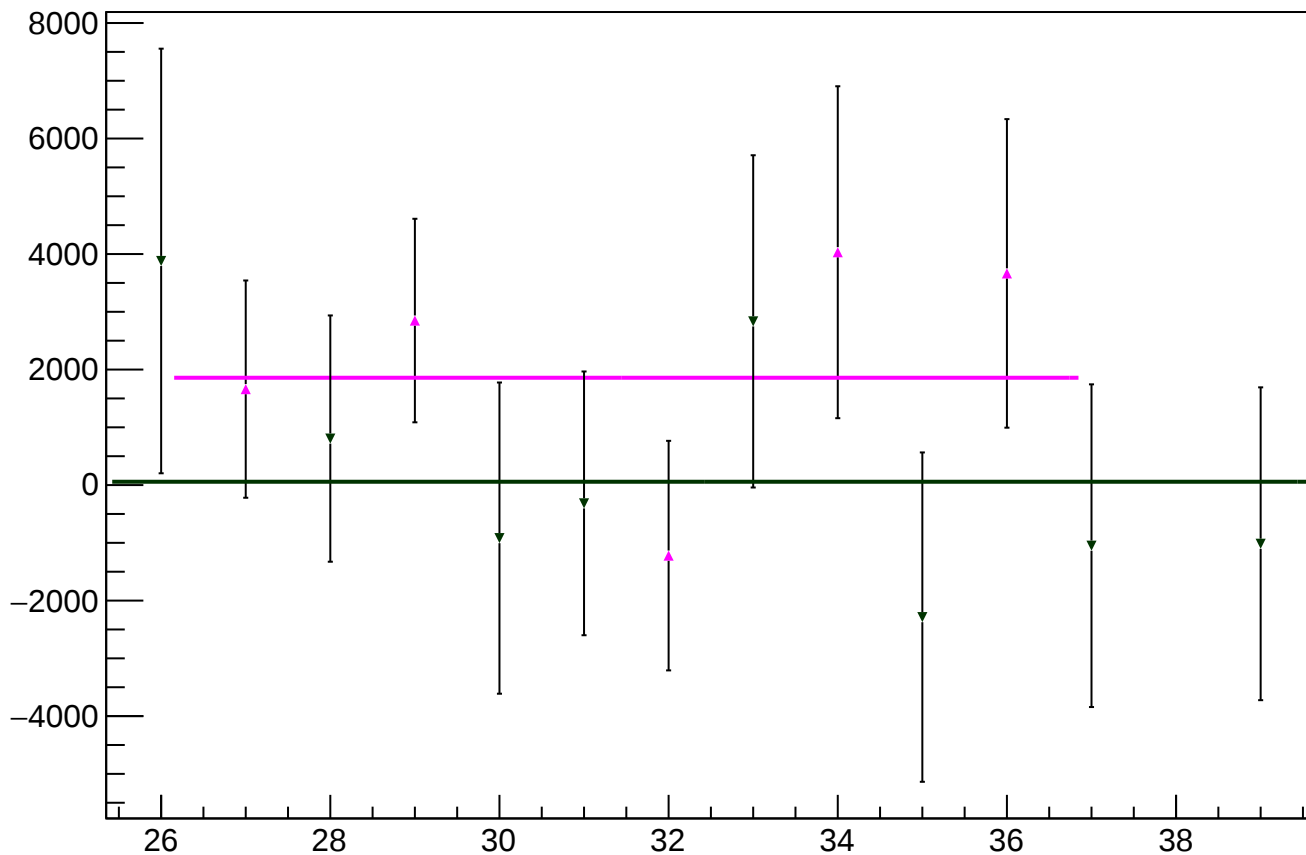
305.896+/-0.109  $\chi^2/\text{NDF}$ : 266431.8/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

341.283+/-0.129  $\chi^2/\text{NDF}$ : 28208.9/4

Left In: 341.283+/-0.129  $\chi^2/\text{NDF}$ : 28208.9/4

# asym\_atr1l2\_avg\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 57.769+/-939.891  $\chi^2/\text{NDF}$ : 3.3/7

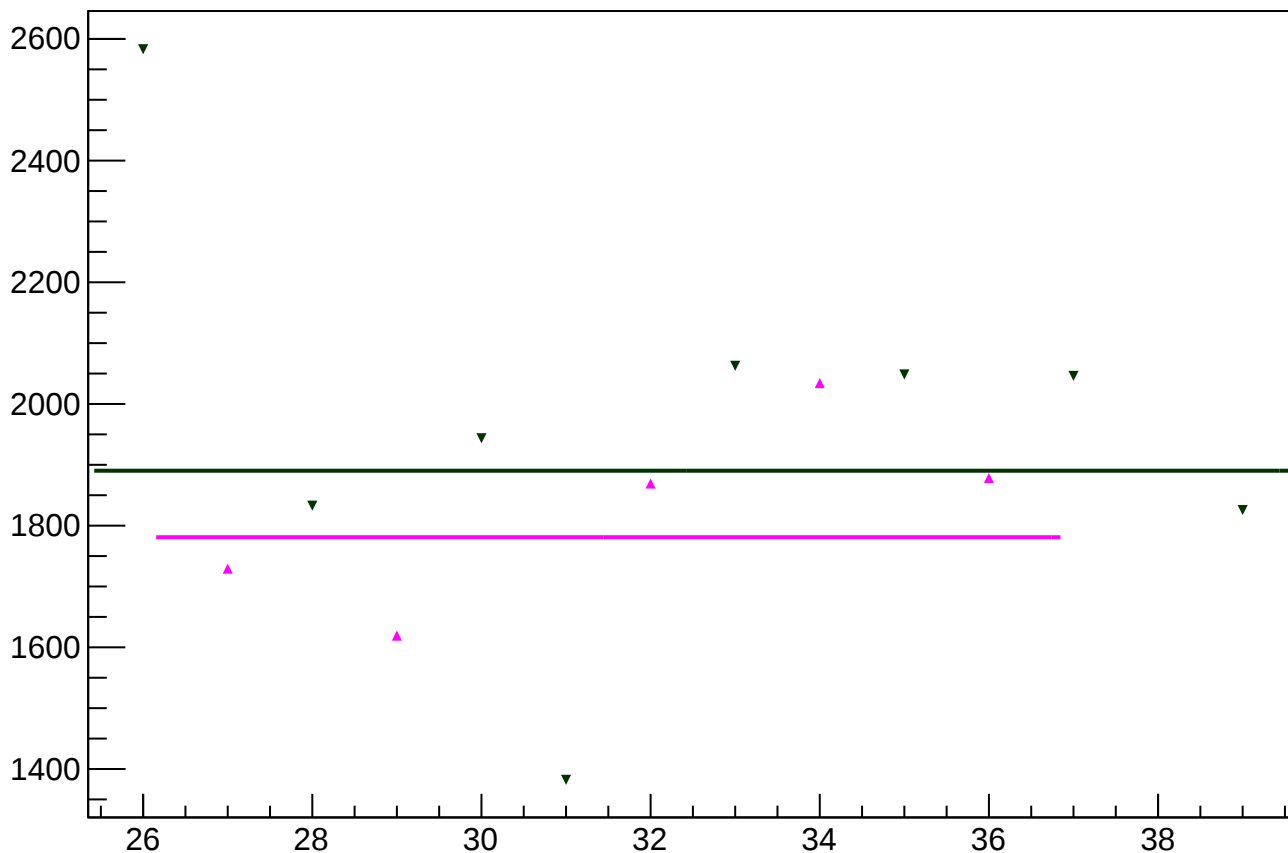
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1858.295+/-945.213  $\chi^2/\text{NDF}$ : 3.8/4

57.769+/-939.891  $\chi^2/\text{NDF}$ : 3.3/7

1858.295+/-945.213  $\chi^2/\text{NDF}$ : 3.8/4

# asym\_atr1l2\_avg\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1890.280+/-0.665  $\chi^2/\text{NDF}$ : 193019.9/7

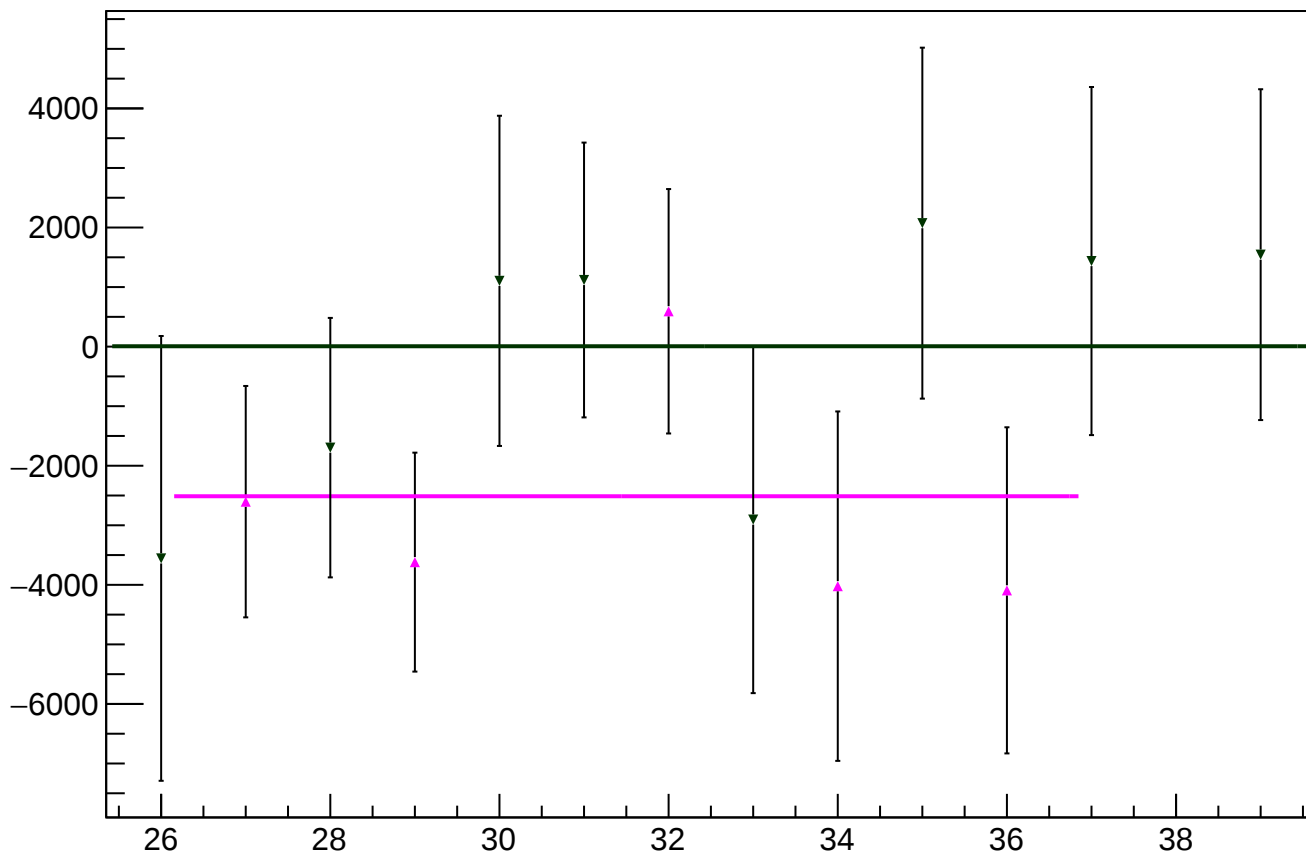
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 1780.956+/-0.668  $\chi^2/\text{NDF}$ : 40514.5/4

1890.280+/-0.665  $\chi^2/\text{NDF}$ : 193019.9/7

1780.956+/-0.668  $\chi^2/\text{NDF}$ : 40514.5/4

asym\_atr1l2\_avg\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 6.281+/-962.258  $\chi^2/\text{NDF}$ : 3.9/7

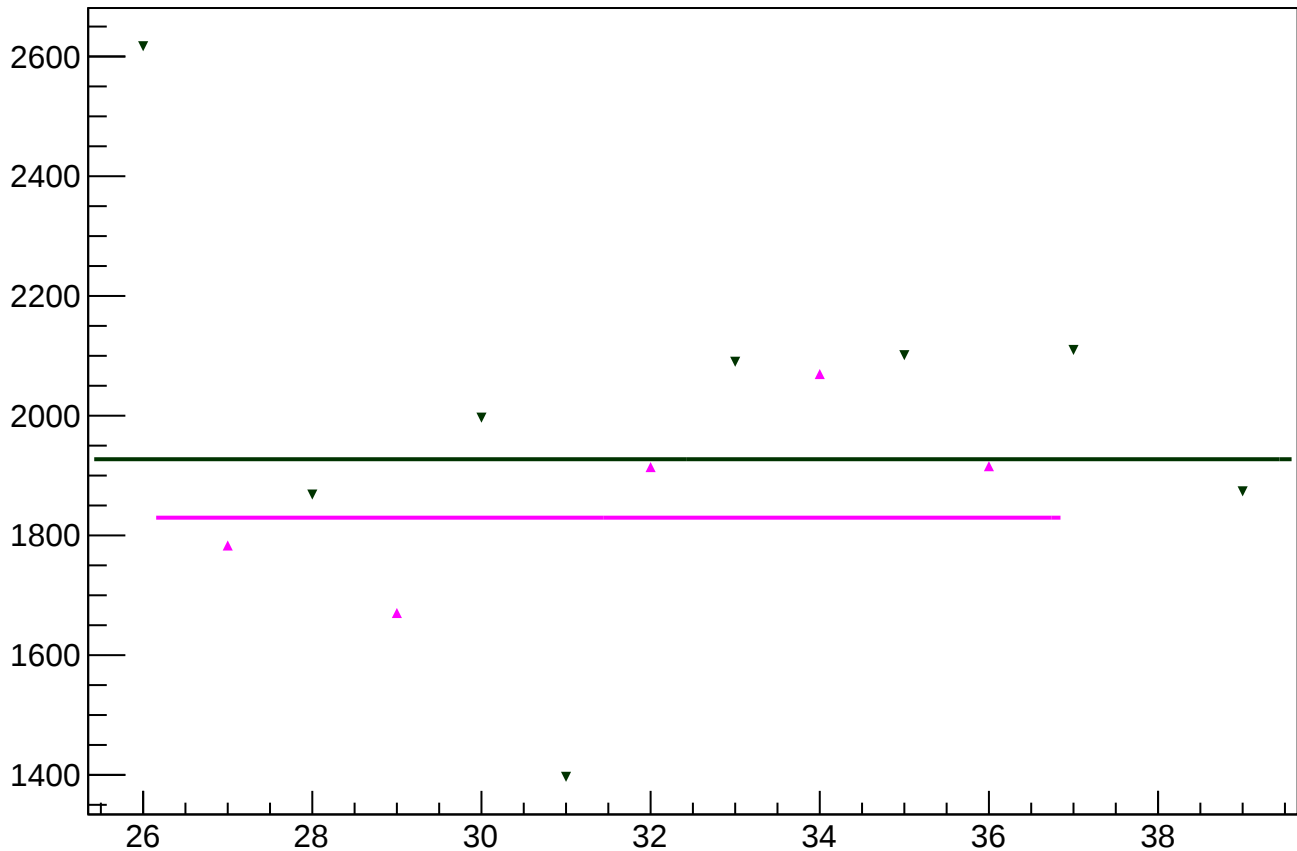
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -2512.439+/-976.893  $\chi^2/\text{NDF}$ : 3.3/4

6.281+/-962.258  $\chi^2/\text{NDF}$ : 3.9/7

-2512.439+/-976.893  $\chi^2/\text{NDF}$ : 3.3/4

# asym\_atr1l2\_avg\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 1927.283+/-0.680  $\chi^2/\text{NDF}$ :198444.0/7

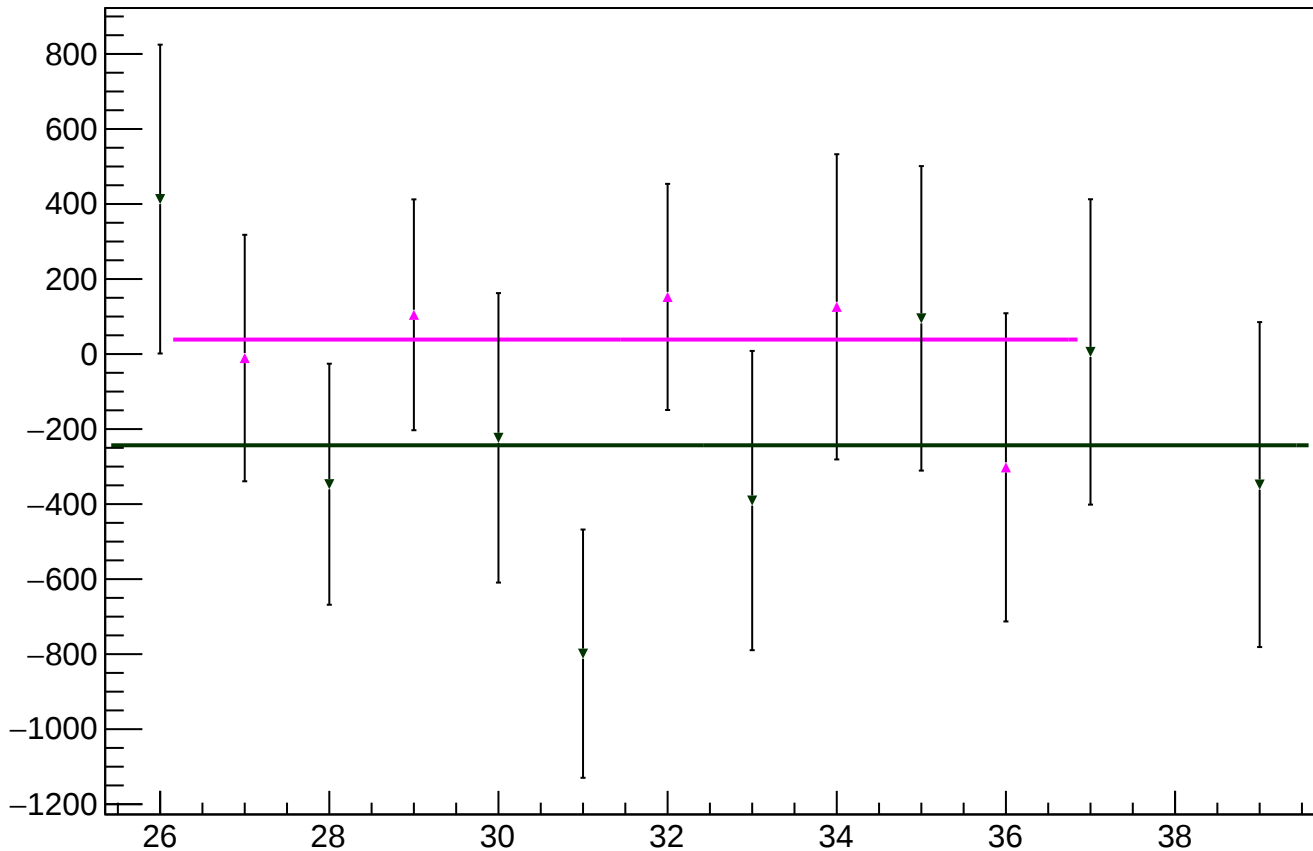
1927.283+/-0.680  $\chi^2/\text{NDF}$ : 198444.0/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

1829.646+/-0.691  $\chi^2/\text{NDF}$ : 34888.2/4

Left In: 1829.646+/-0.691  $\chi^2/\text{NDF}$ :34888.2/4

# reg\_asym\_atr1l2\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -243.209+/-134.647  $\chi^2/\text{NDF}$ : 6.7/7

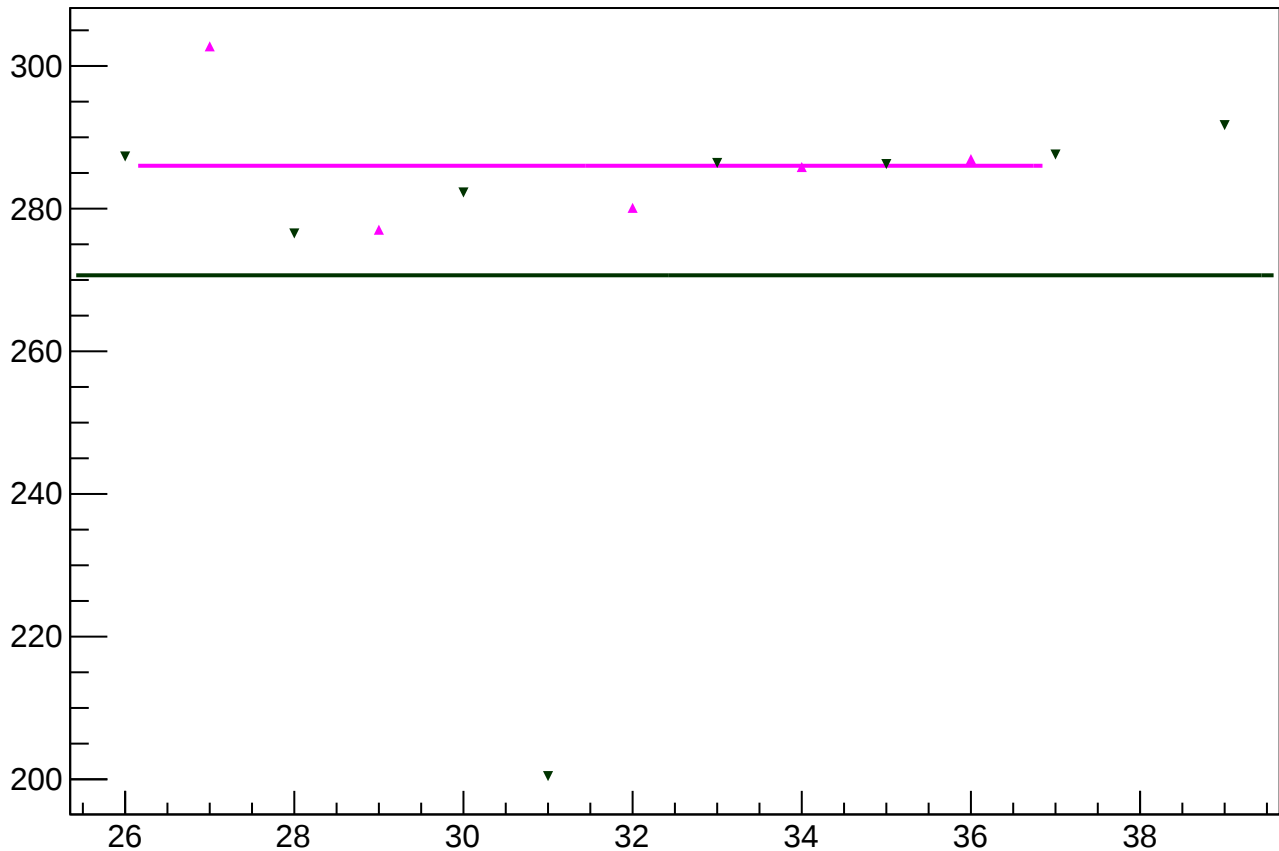
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 38.656+/-152.856  $\chi^2/\text{NDF}$ : 0.9/4

-243.209+/-134.647  $\chi^2/\text{NDF}$ : 6.7/7

38.656+/-152.856  $\chi^2/\text{NDF}$ : 0.9/4

# reg\_asym\_atr1l2\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 270.655+/-0.095  $\chi^2/\text{NDF}$ :110037.3/7

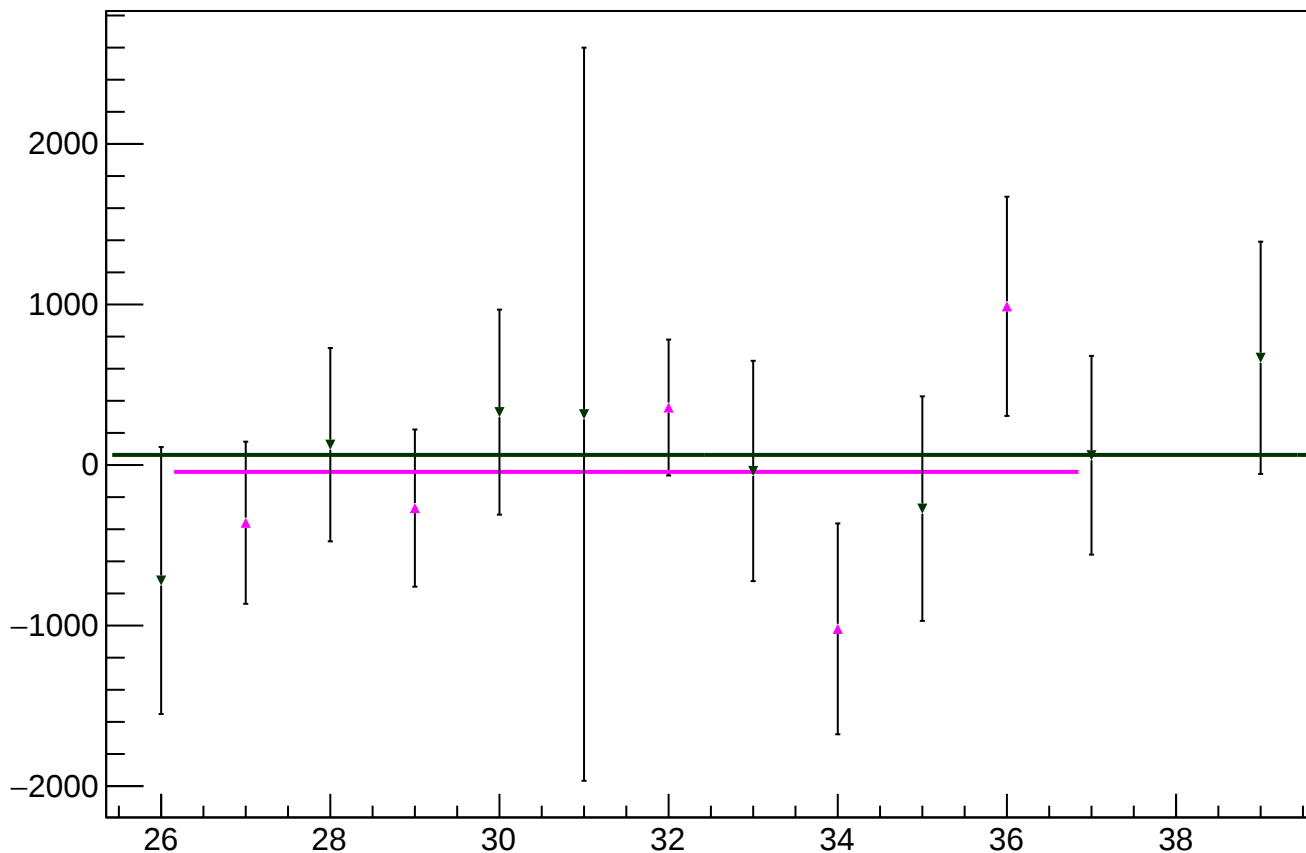
270.655+/-0.095  $\chi^2/\text{NDF}$ : 110037.3/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 286.012+/-0.108  $\chi^2/\text{NDF}$ :7668.4/4

286.012+/-0.108  $\chi^2/\text{NDF}$ : 7668.4/4

# asym\_atr1l2\_dd\_correction\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 63.004+/-253.676  $\chi^2/\text{NDF}$ : 2.0/7

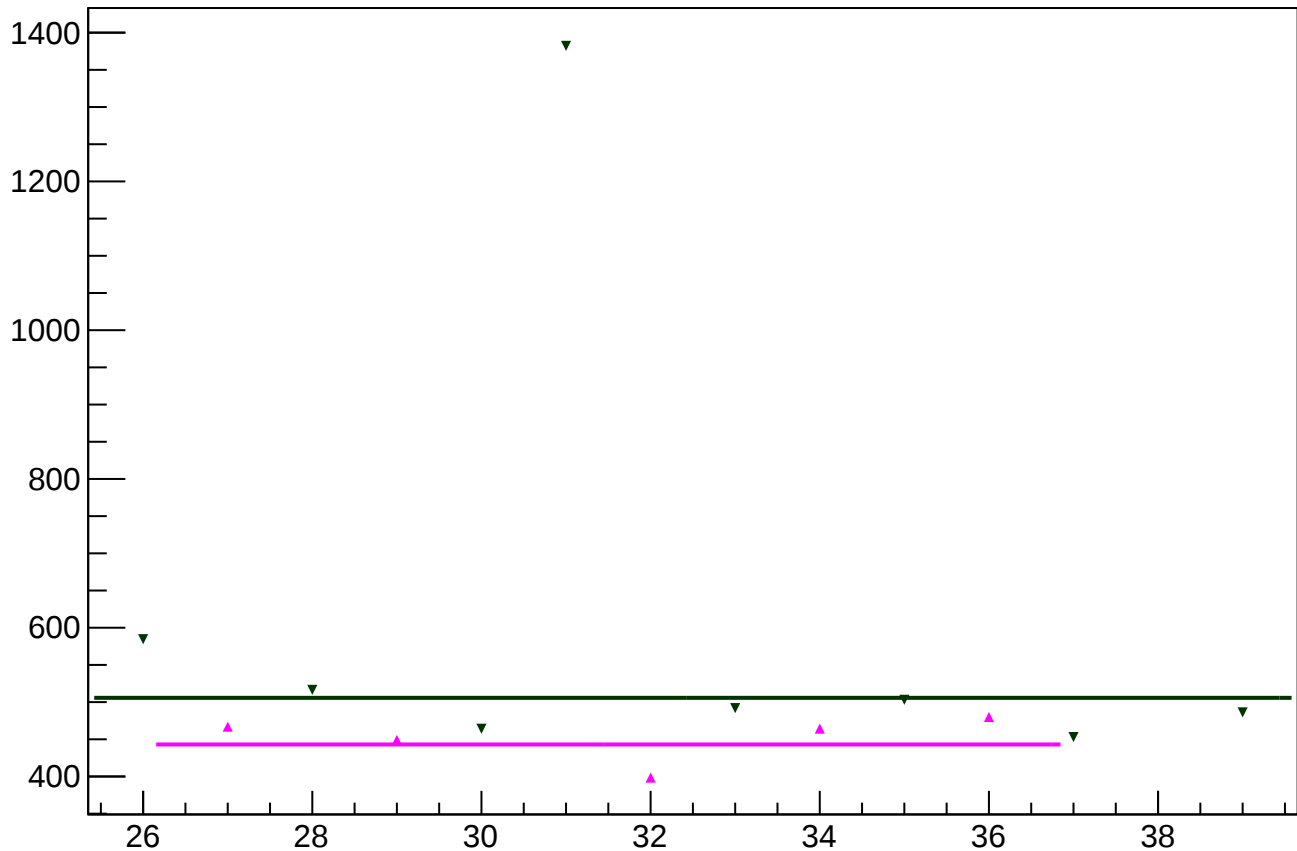
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -42.715+/-234.787  $\chi^2/\text{NDF}$ : 6.0/4

63.004+/-253.676  $\chi^2/\text{NDF}$ : 2.0/7

-42.715+/-234.787  $\chi^2/\text{NDF}$ : 6.0/4

# asym\_atr1l2\_dd\_correction\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 505.738+/-0.179  $\chi^2/\text{NDF}$ : 338617.2/7

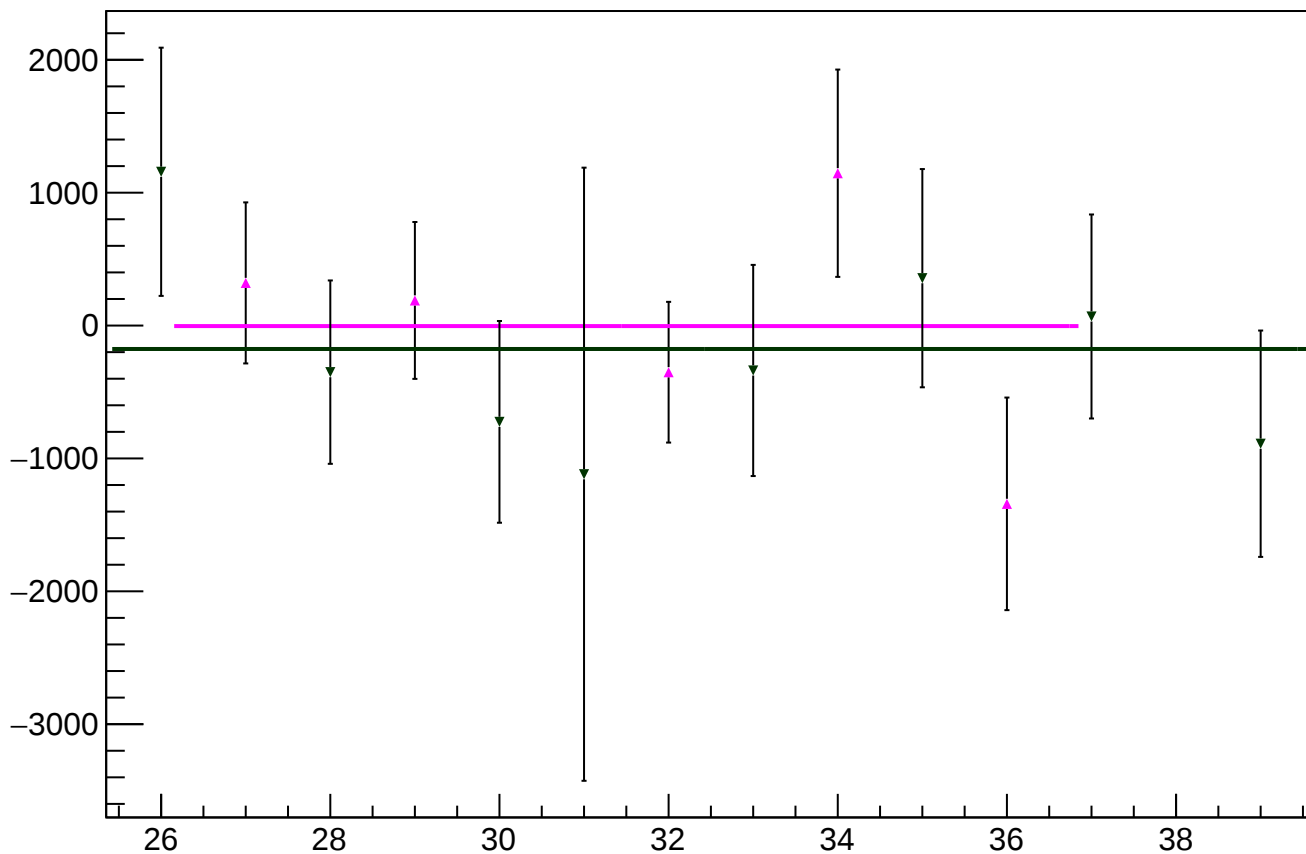
505.738+/-0.179  $\chi^2/\text{NDF}$ : 338617.2/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

443.049+/-0.166  $\chi^2/\text{NDF}$ : 34908.4/4

Left In: 443.049+/-0.166  $\chi^2/\text{NDF}$ : 34908.4/4

# asym\_atr1l2\_dd\_mean vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: -176.267+/-297.338  $\chi^2/\text{NDF}$ : 4.1/7

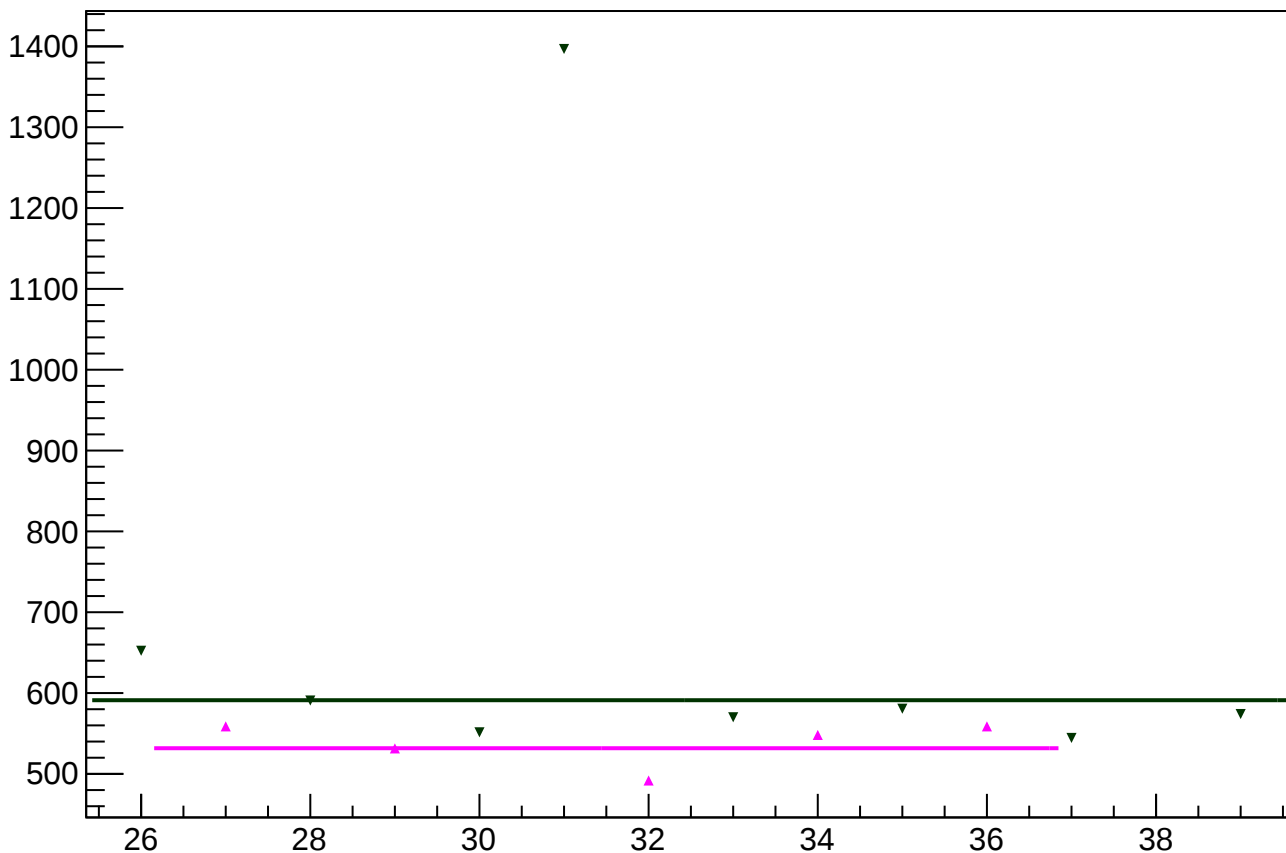
Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: -3.912+/-284.396  $\chi^2/\text{NDF}$ : 5.8/4

-176.267+/-297.338  $\chi^2/\text{NDF}$ : 4.1/7

-3.912+/-284.396  $\chi^2/\text{NDF}$ : 5.8/4

# asym\_atr1l2\_dd\_rms vs slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 591.145+/-0.210  $\chi^2/\text{NDF}$ : 267835.1/7

591.145+/-0.210  $\chi^2/\text{NDF}$ : 267835.1/7

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

531.748+/-0.201  $\chi^2/\text{NDF}$ : 18526.3/4

Left In: 531.748+/-0.201  $\chi^2/\text{NDF}$ : 18526.3/4