

Subject: Large momenta from BOX genarator

Posted by [AndreiSemenov](#) on Wed, 18 Nov 2020 14:52:14 GMT

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Hello,

I generate single muon events with 5 GeV momentum by the BOX generator. However I get events with very large momenta from detector, so for 100,000 initial muons there are 12 events with  $p > 100$  Gev and several events with  $p > 1000$  events. How is this possible, is something incorrect? PandaRoot Oct19 is used.

Data directly from signal\_pid.root file, 100,000 initial events.

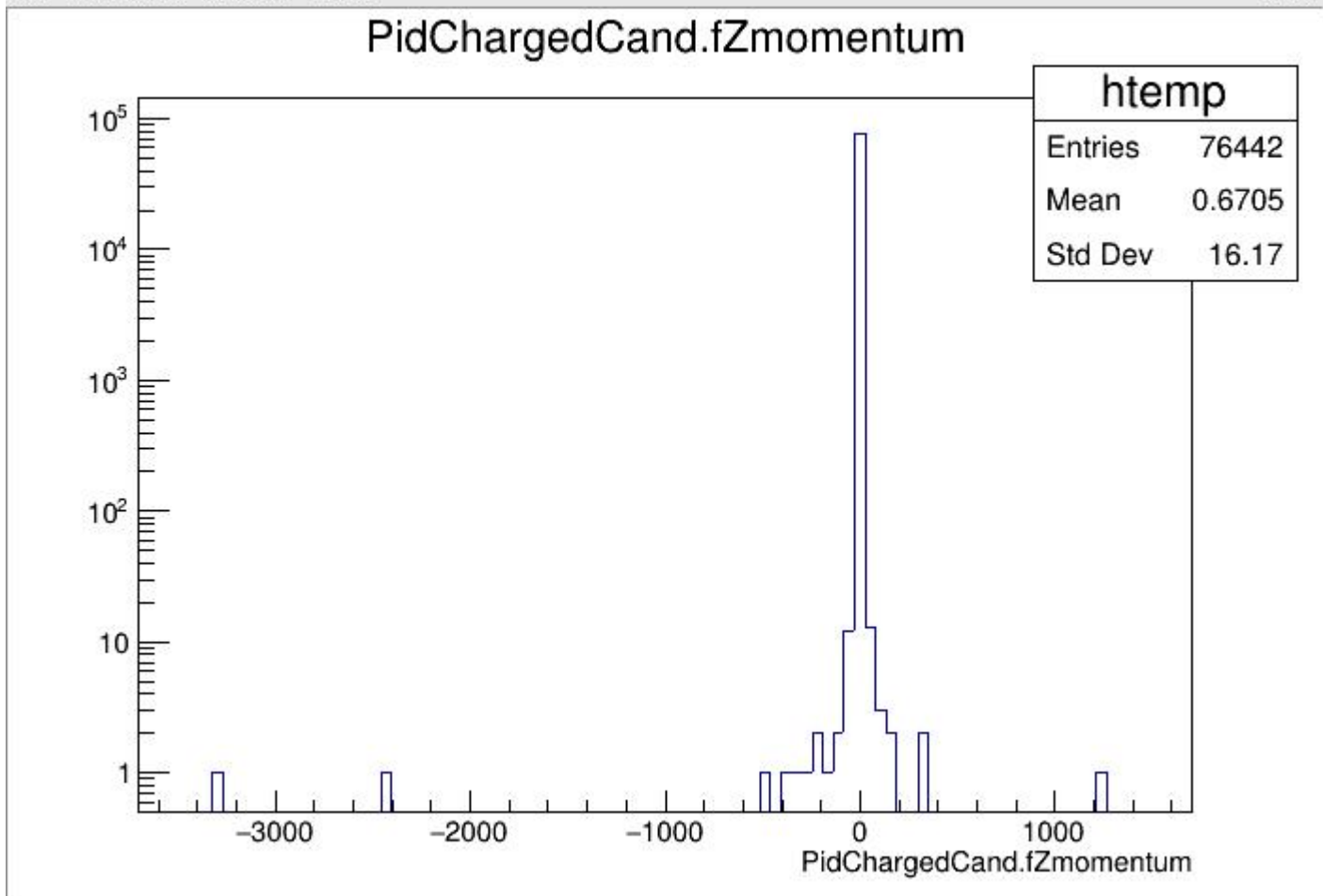
Data made by tut\_ana.C tutorial program. 1,700,000 initial events.

### File Attachments

1) [zmom.jpeg](#), downloaded 1037 times

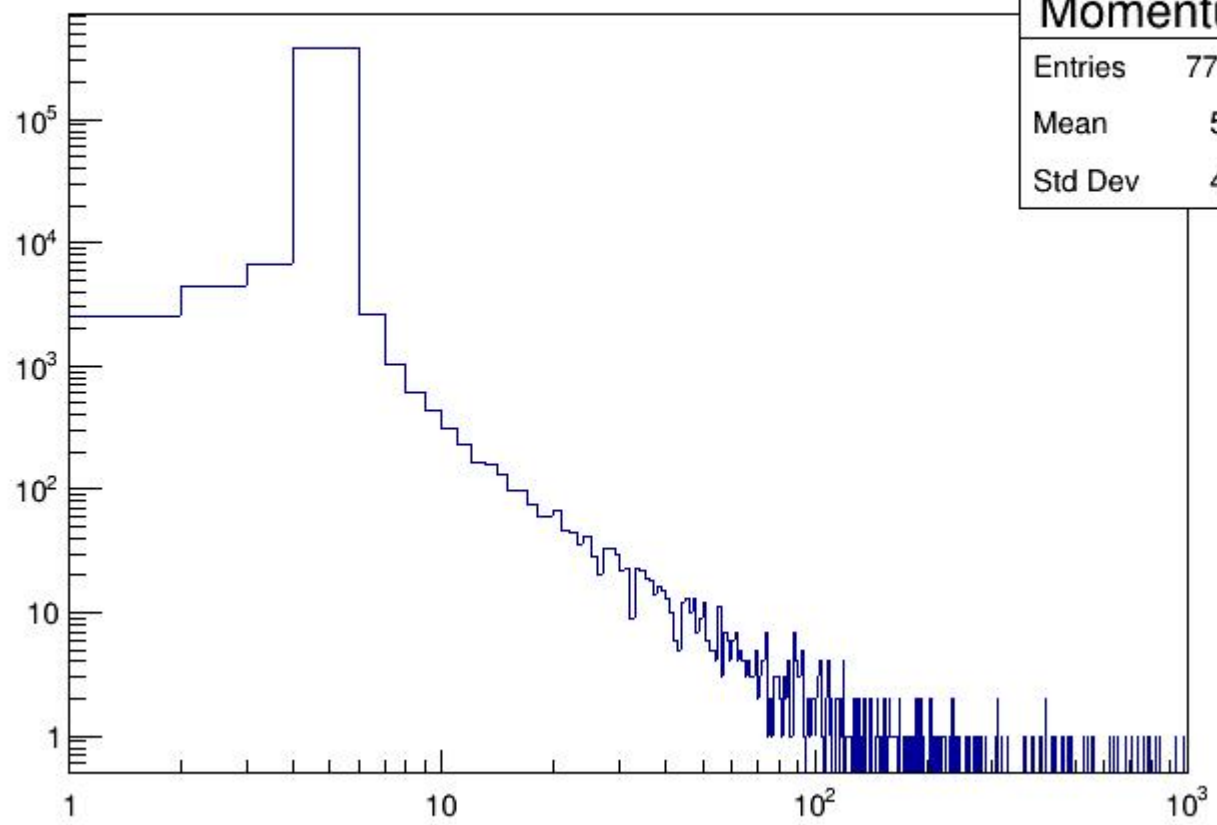
File Edit View Options Tools

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2) [mom.jpeg](#), downloaded 1105 times

## Momentum



## Momentum

Entries	775744
Mean	5.082
Std Dev	4.867