

Subject: Large momenta from BOX generator
Posted by [AndreiSemenov](#) on Wed, 18 Nov 2020 14:52:14 GMT
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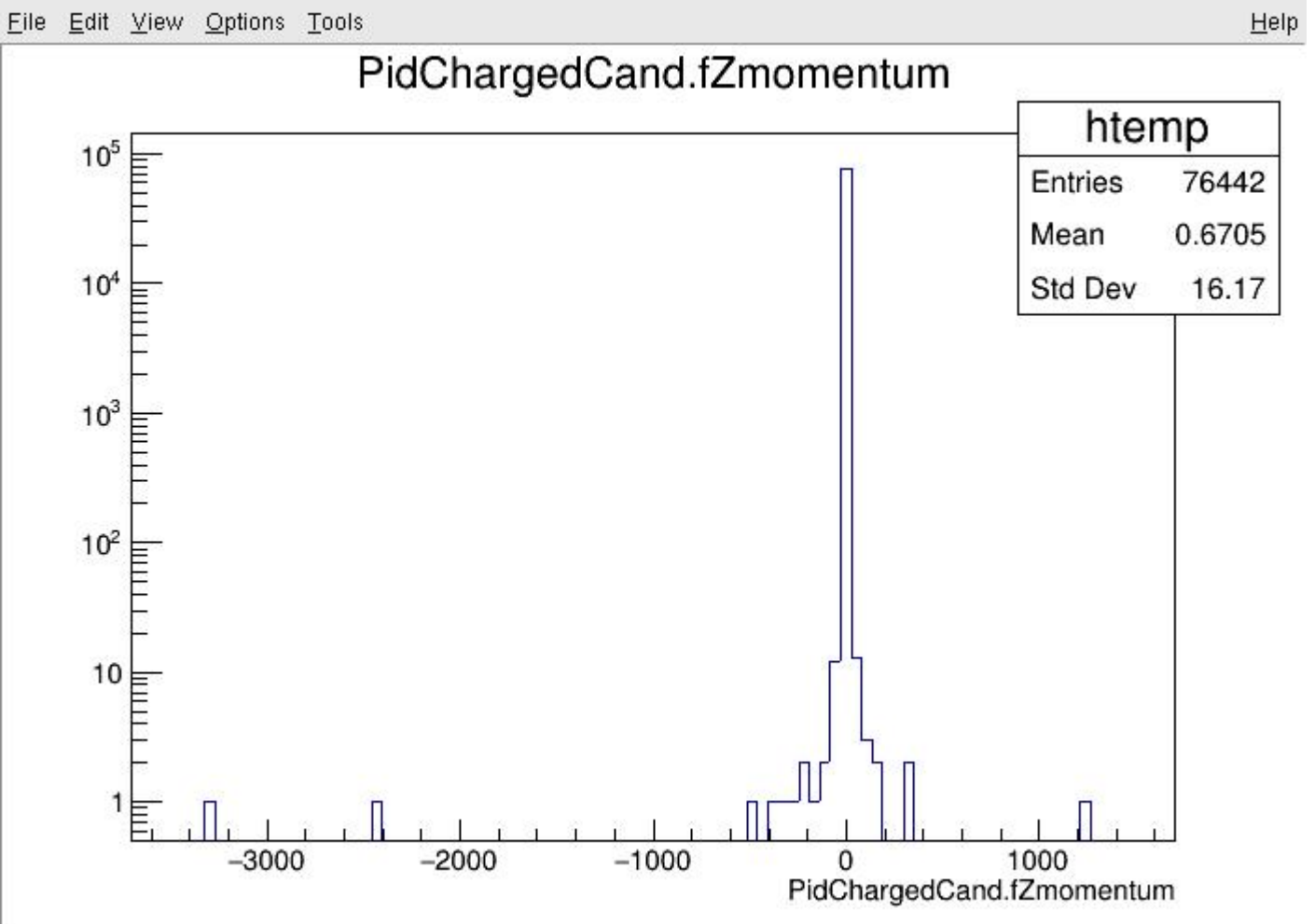
Hello,
I generate single muon events with 5 GeV momentum by the BOX generator. However I get events with very large momenta from detector, so for 100,000 initial muons there are 12 events with $p > 100$ Gev and several events with $p > 1000$ events. How is this possible, is something incorrect? PandaRoot 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.

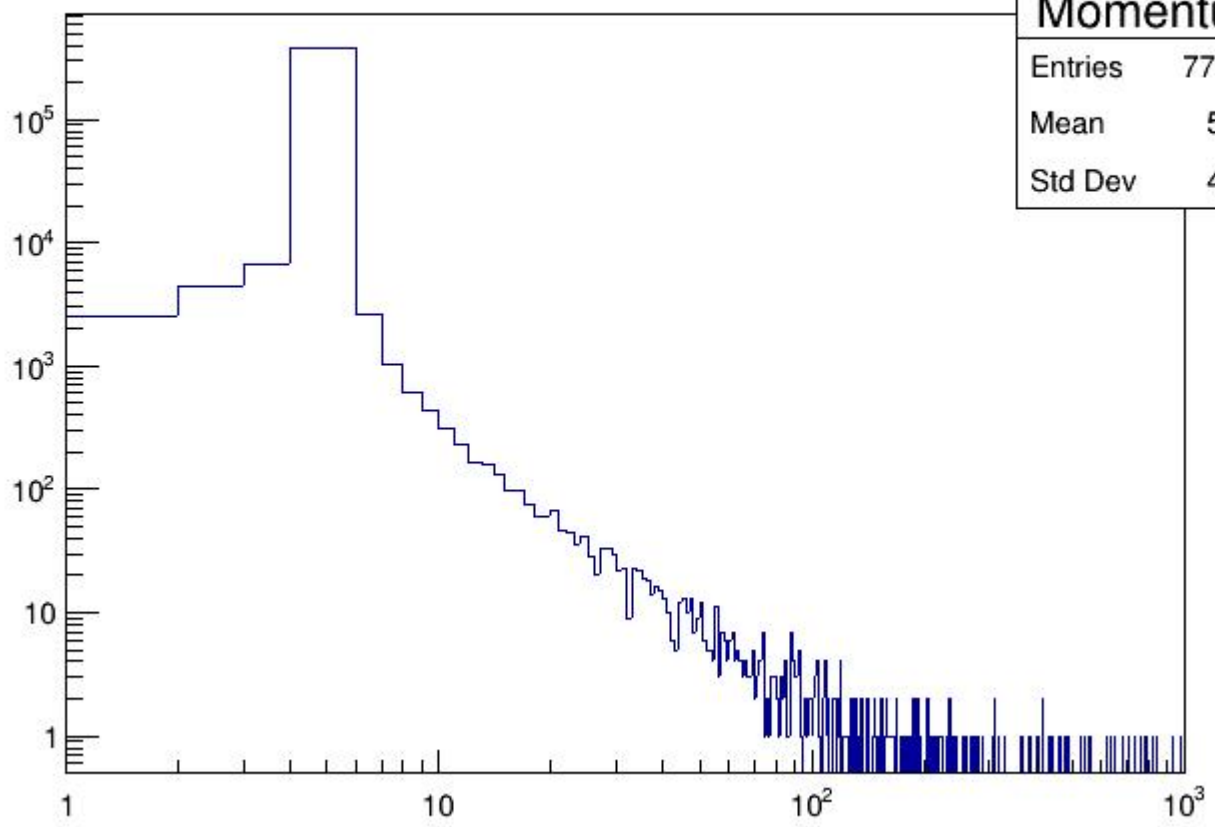
File Attachments

1) [zmom.jpeg](#), downloaded 491 times



2) [mom.jpeg](#), downloaded 553 times

Momentum



Momentum	
Entries	775744
Mean	5.082
Std Dev	4.867