Subject: Large momenta from BOX genarator
Posted by AndreiSemenov on Wed, 18 Nov 2020 14:52:14 GMT

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.

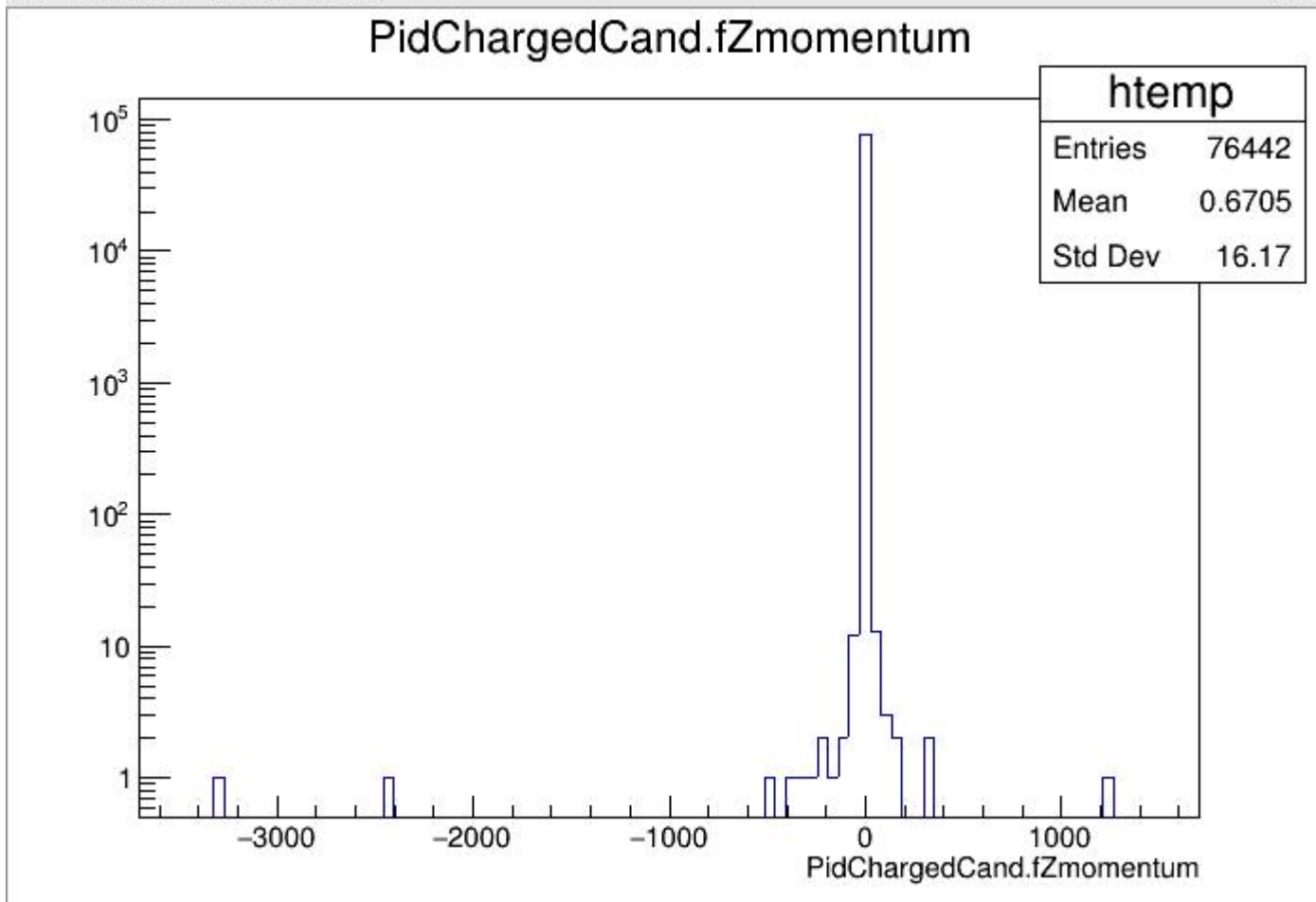Data directly from signal_pid.root file, 100,000 initial events.

Data made by tut_ana.C tutorial program. 1,700,000 initial events.
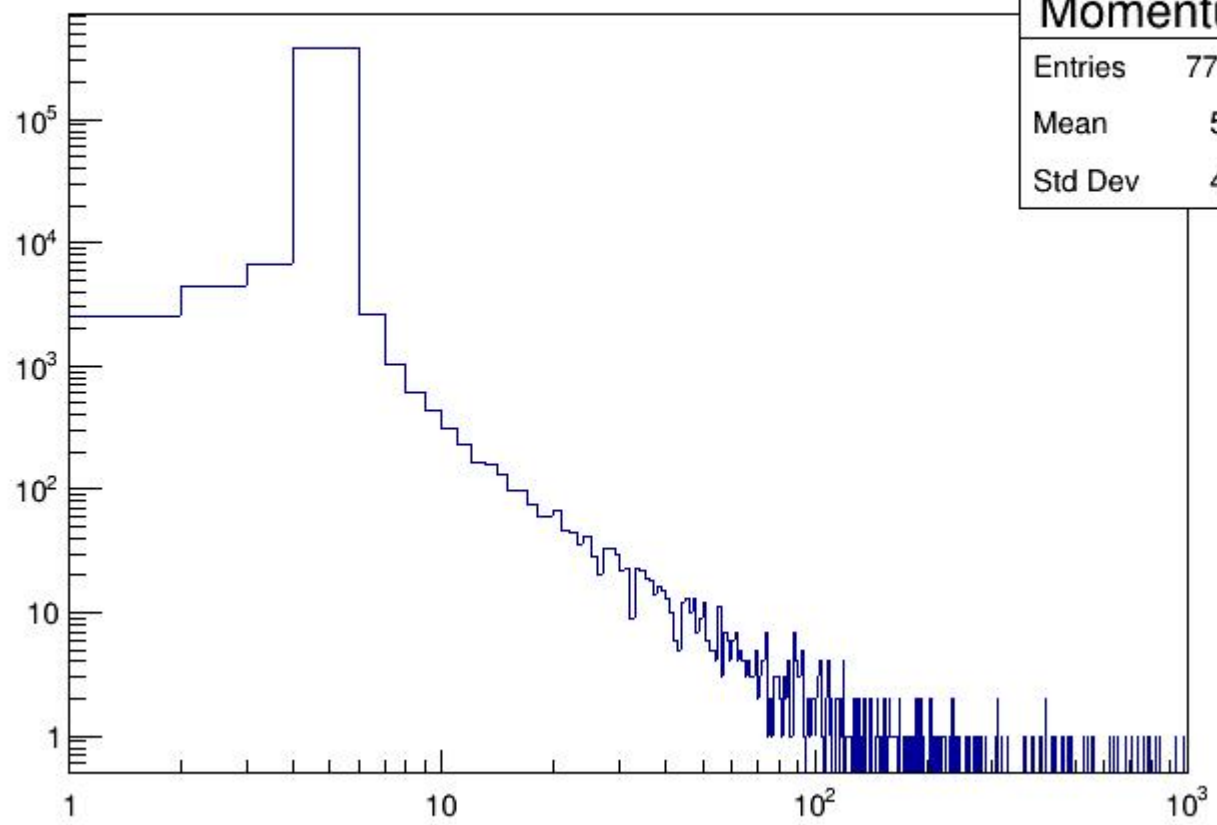
File Attachments
1) zmom.jpeg, downloaded 868 times

2) mom.jpeg, downloaded 941 times

Momentum

Momentum	
Entries	775744
Mean	5.082
Std Dev	4.867