Subject: Problem with TGeant4?
Posted by C. A. Douma on Mon, 27 Jun 2016 15:05:33 GMT
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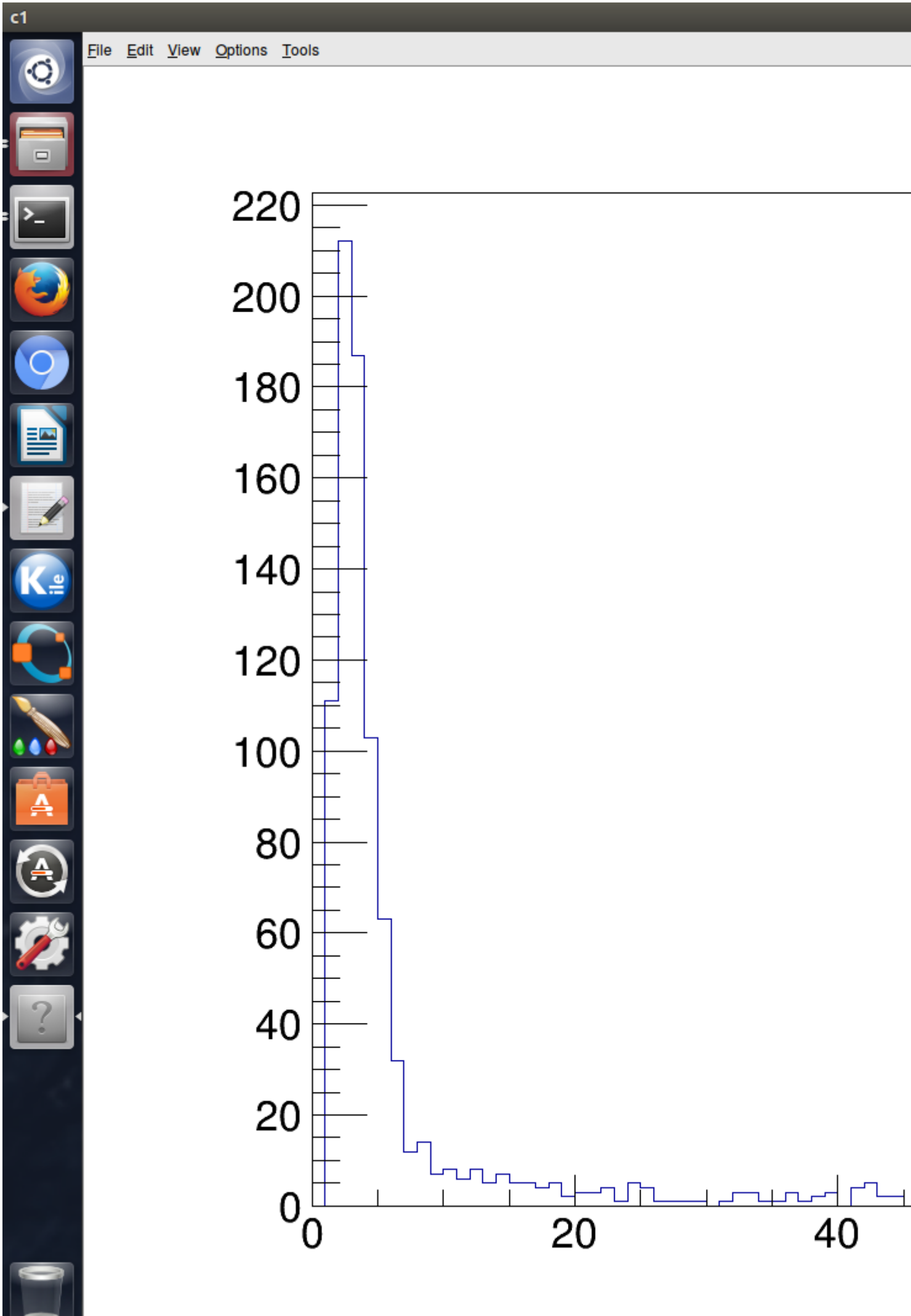
I run a simulation where I have only NeuLAND in the setup. I shoot 1 GeV neutrons onto NeuLAND (14 m distance, 4.5 degrees angular spread, box generator). When I run this simulation under TGeant4, I only find a few different tracks is the MCTrack-branch of the output-file. When I however run the same simulation under TGeant3, The MCTrack branch is much larger. In further analysis, this results in that Geant4 gives only 40% detection efficiency for NeuLAND, while Geant3 given 99%. Does anyone know why my Geant4 results are wrong?

Christiaan.

PS: The histogram included is the size of the MCTrack branch under Geant4.

File Attachments

1) MCTrack_Size.png, downloaded 1179 times


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