
Subject: How to store only MCTrack in a root file?

Posted by [Aleksandra Biegun](#) on Mon, 02 Jun 2008 15:44:46 GMT

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Hi,

I have 2 questions:

- 1) how I can store the MCTrack three into a root file with a full simulation (or)
- 2) is there a possibility to rewrite only MCTrack three into a new root file (from a simulation file which contains others threes) ?

I need only MCTrack and the simulation file with all informations for Points is quite big.

Thanks in advance for the answer.

Cheers,
Ola.

Subject: Re: How to store only MCTrack in a root file?

Posted by [Mohammad Al-Turany](#) on Mon, 02 Jun 2008 18:50:51 GMT

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Hi,

- 1) how I can store the MCTrack three into a root file with a full simulation

if you mean running full simulation, and storing only the stack (MCTrack) without the points in the different detectors, then just add all detectors you need and set the detector sensitivity flag to kFALSE. i.e:

```
Quote:CbmDetector *Mvd = new PndMvdDetector("MVD", kFALSE);
```

doing this the detector material is taken into account but the ProcessHit of the detector is not called, thus the output tree will have only the stack and the event header!

- 2) is there a possibility to rewrite only MCTrack three into a new root file (from a simulation file which contains others threes) ?

see \$ROOTSYS/tutorials/tree/copytree2

on how to copy a branches or whole tree!

hope this will help!

regards

Mohammad
