Subject: Re: Reproduce the result of Pos (Bormio2012) 018
Posted by Ralf Kliemt on Fri, 28 Mar 2014 09:59:46 GMT
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Hello nakulphy,

nakulphy wrote on Fri, 28 March 2014 10:49the root files that are created during the simulations such as sim_complete.root, simparams.root, etc...
how to study these files ?
What do you want to study? Is is detector performance of the individual subsystems? Then you will have to dig into the sim, reco and pid files.
Is it particle physics, i.e. studying the detected results of a specific event generator input (e.g. "your" channel), then you don't need to worry about those files and go on with analysis.

nakulphy wrote on Fri, 28 March 2014 10:49and what is the meaning of beam gradiant which is created during the sim_complete.C ? which is given below.

**** GTRIGI: IEVENT= 9 IDEVT= 9 Random Seeds = 123456 0
[INFO] FairPrimaryGenerator: (Event 9) 8 primary tracks from vertex (-0.189898, 0.091527, 0.224391) with beam gradiant (0.000000, 0.000000) Event Time = 0.000000 (ns)
POINT EXECUTION **********
This is output of the framework (event generator interface) during simulation. We don't use sophisticated beam properties, yet, so it's nothing to worry about.

Cheers
Ralf Kliemt