Subject: Re: Specific event selection in Dpm generator
Posted by MartinJGaluska on Thu, 29 Aug 2013 09:10:16 GMT
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Hello Stefano,

sure, it would certainly be possible to integrate it in FairPrimaryGenerator if the experts agree.

I can either provide the code that I wrote for PndDpmDirect as an inspiration for the experts or I would need the advice of at least one of them to help me integrate it in FairPrimaryGenerator without breaking any functionality of PandaRoot or possibly other frameworks. Ideally, one could implement it so that no changes to all derived classes would be necessary.

EDIT:
After talking to Klaus Götzen and Andreas Pitka I implemented the possibility for an arbitrary number of conditions per pdg code and also a maximum number of particles per event.

Also a filter just on particles' charges would be desirable.
In addition, a minimum and maximum (total/transversal/z) momentum should be implemented (both in the laboratory system as well as in arbitrary center of mass systems).

Let's see what Mohammad and Florian think about it.

Kind regards,
Martin