
Subject: Event filter for (a combination of) arbitrary event generators

Posted by [MartinJGaluska](#) on Sun, 09 Mar 2014 11:11:23 GMT

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Dear all,

I am proud to announce that Katja Kleeberg and myself have ported and extended the event filter which I originally implemented for PndDpmDirect to FairPrimaryGenerator. FairPrimaryGenerator can now deal with event filters in a similar way as it handles event generators.

I also came up with a new concept for event filtering in FairRoot which I will present in the computing session of the next PANDA CM.

For the new event filter capabilities we implemented a virtual base class FairEvtFilter. As a ready to use filter we derived FairEvtFilterOnCounts from it. The code structure will be presented in the computing session of the next PANDA CM in more detail.

Toggle Spoiler

The information in this box is outdated, see newer posts for relevant information!

A warning: The code is not yet ready for production as it has NOT been tested extensively so far and some functionality is still missing. We will have to introduce some changes to the code like moving functionality from FairEvtFilterOnCounts to the base class FairEvtFilter. However, if you are in desperate need for such filter capabilities, the code is accessible here (please report errors):

[https://subversion.gsi.de/trac/fairroot/browser/pandaroot/development/mg aluska/eventFilter](https://subversion.gsi.de/trac/fairroot/browser/pandaroot/development/mg%20aluska/eventFilter)

You have to replace / add the corresponding files in the \$VMCWORKDIR/base and \$VMCWORKDIR/base/sim and recompile.
