
Subject: Re: Event filter for (a combination of) arbitrary event generators
Posted by [MartinJGaluska](#) on Thu, 17 Apr 2014 13:52:22 GMT

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Hello all,

I have just uploaded the latest version of the event filter to my development branch. It is a major revision. Note that it is not yet a "final" version as Katja and I still need to test and verify the code. However, the latest version contains all the functionality that we have planned for the final event filter.

Feel free to try it and please report bugs when you find them.

Added functionalities:

dedicated veto filters (if the event matches any of the veto filters, it will be rejected) NOT, AND and OR are available for logical connections between multiple regular (non-veto) filters vertex, angles and momentum constraints added automated quality assurance prepared code restructured for easier maintainance filter statistics are written to root file (in folder FairEvtFilter)

I believe it is now time to discuss how to make use of the event filter in the Fast Simulation for the scrutiny process simulations and how to finally integrate the changes into the main FairRoot.

I would suggest for now to rename the changed FairRoot files and upload them into the scrut14/pgenerators folder of trunk. We can use the renamed files in our standard macros for the Fast Simulation instead of the original FairRoot ones until the changes are included in the FairRoot classes. What do you think?

Kind regards,
Martin