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Subject: Time based simulation

Posted by [Anonymous Poster](#) on Fri, 25 Apr 2014 07:45:15 GMT

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Deal all, I was trying to implement DIRC time based simulation. I need the tracking information for each timestamp.

I could run macro/run/timeOrderedSim up to reco. Macro run\_tracking\_sttcombi\_timebased.C is crashing

with the following message.

Processing run\_tracking\_sttcombi\_timebased.C...

Ext: digi addon: timebased cut: 0 Truncated: Mvd\_Sim

Ext: reco addon: timebased cut: 0 Truncated: Mvd\_Sim

Ext: par addon: cut: 0 Truncated: Mvd\_Sim

Ext: trackF addon: timebased cut: 0 Truncated: Mvd\_Sim

FairRootManager::OpenOutFile("Mvd\_Sim\_timebased\_trackF.root")

Info in (PndGeoHandling::Instance): Making a new instance using the framework.

Error: abstract class object 'PndSttTrackFinder' is created

run\_tracking\_sttcombi\_timebased.C:64:

\*\*\* Interpreter error recovered \*\*\*

Any suggestion?

Thanks in advance

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Subject: Re: Time based simulation

Posted by [Tobias Stockmanns](#) on Tue, 29 Apr 2014 09:41:49 GMT

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Could you please check if this macro also crashes if you run it event based?

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Subject: Re: Time based simulation

Posted by [Anonymous Poster](#) on Tue, 29 Apr 2014 11:02:25 GMT

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Hi Tobias, I checked with event based simulation and it does crashes.

Now the issue is what is the correct procedure to get the Track info at DIRC?

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Subject: Re: Time based simulation

Posted by [Anonymous Poster](#) on Wed, 30 Apr 2014 12:01:04 GMT

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Hi Tobias, Regarding event base simulation: There is some set of classes like PndPidCorrelator where one can get the trackinfo. at dirc and at that point event based simulations are implemented for dirc after tracking.

Is there similar way for the timebased simulation which I am not aware of?

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Subject: Re: Time based simulation

Posted by [Tobias Stockmanns](#) on Thu, 12 Jun 2014 15:53:20 GMT

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Dear Kumawat,

please comment out the line with the PndSttTrackFinder and try it again.  
Unfortunately there is no time-based STT track finder in PandaRoot. There exist some versions on local disk but unfortunately they were not put into PandaRoot.

Cheers,

Tobias

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