Subject: Re: PndTracking2 - mvd and stt code with genfit2
Posted by Elisabetta Prencipe (2) on Mon, 19 May 2014 14:16:07 GMT
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Dear Johannes,

first of all I thank you to answer to this email.

Yes, the fact that GF classes do not exist anymore is pretty clear at a first look, as well as the old classes with reasonable similar names in genfit_1 vs genfit_2, look working in different ways. Let's say: genfit is just the *traditional* name of what you are working on, but genfit2 is a complete different package for Kalman Filter, compared to genfit_1...

Up to now, I have troubles to create a svn account from here, as I mentioned to you in a private email a couple of times.

I do not get genfit2 compiling with the pandaroot mvd code, yet, inside pandaroot. I do not manage to have Rave* or GLB* classes running neither in the standalone version of genfit2; so, it had to be taken out for the time being from pandaroot: there are already to many incompatibility problems with this new tool, here. Better not to add more mess for the time being!
This is not only a problem of pandaroot. GLB and RAVE* are not working for me in the standalone version of genfit2, as mentioned 2 months ago, and I have no clue what to do in order to get those running (in the standalone version available that you pointed me some time ago).

What I managed to do 2 months ago, was getting pandaroot rev 24725 compiling with genfit2, but some detectors had to be commented out from the main pandaroot CMakeList.txt (mvd, dirc, lmd).
Then, I can run it inside pandaroot! But I wish to see it running wit hall panda detectors.

The mvd creates a crash even in compilation; the other detector packages are in conflict only when I try to digitize events, after simulating those.
I am in the process to debug what happens at the level of the mvd code, and why pandaroot does not compile. I realized that in one class of the mvd tools still GF*classes were included. However, I do expect, in such a case, that pandaroot would not work, but definitively it should compile.

There are several dependencies from other pandaroot packages, which I have to solve, yet. Then, the package GenfitTools, which transforms genfit_tracks to pnd_tracks, is going to be completely re-written, as there are not any more recohits in genfit2, but SpacePoints, SpaceMeasurements, or WireMeasurements, or PlanarMeasurement. This introduces, to my first approach, a level of complication more in this work.

This is the situation right now. I can send you the package, until I do not manage to get a svn account. This is the best I can do, in this moment.

As you are so kind to answer to my questions, then I would ask you again about the difference between the RKTrackRep in genfit1 vs genfit2, and why AbsTrackRep is not anymore in genfit. What shall I use instead? It is not clear to me. This is just one example of classes in the new genfit2 which I do not understand why/how they are written, as no documentation is available

in this sense.

Thank you very much in advance because you showed the wish to cooperate with us.

cheers, Elisabetta

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