
Subject: Heavy Development on genfit
Posted by [Sebastian Neubert](#) on Tue, 15 May 2007 21:36:13 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi everybody!

We are doing brain surgery on genfit at the moment to prepare for the arrival of GEANE and to provide a somewhat easier interface.

Please do NOT UPDATE genfit and recotasks until I tell you so.

This is inconvenient. But as (to my knowledge) we do not have something like a development branch I have to do it this way.

I would be happy about a more sophisticated svn-management than just everybody working on the head.

Cheers!

Subject: Re: Heavy Development on genfit
Posted by [Johan Messchendorp](#) on Tue, 15 May 2007 22:25:26 GMT
[View Forum Message](#) <> [Reply to Message](#)

... this could indeed be a good motivation to start with a "stable" and "development" branch in svn. Any opinions/experiences in that direction? And could that be easily implemented and activated (question to Mohammad....)?

Johan.

Subject: Re: Heavy Development on genfit
Posted by [Florian Uhlig](#) on Wed, 16 May 2007 13:49:22 GMT
[View Forum Message](#) <> [Reply to Message](#)

I think it is a good idea to have a stable version of the code.
On the other side i don't understand why there is need to put code back to SVN which is known not to work.
Is it not possible to test and develop the code locally and when everything is fine put it back to SVN?

Ciao

Florian

Subject: Re: Heavy Development on genfit

Posted by [Sebastian Neubert](#) on Wed, 16 May 2007 13:53:19 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi Florian!

No this is not possible.

I want to track the changes I make to the code in small steps. For this a version management system is there.

If you require people to only check in running code they will "never" check in.

However I agree that with present setup of svn it is very bad to commit something that does not even compile.

Sebastian.

Subject: Re: Heavy Development on genfit

Posted by [Sebastian Neubert](#) on Wed, 16 May 2007 13:55:08 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi!

I have just checked in a state (rev 754) where tpc/ recotasks/ and genfit/ all compile. So you can try to update.

However the operation is not finished and at the moment I have to debug because the kalman now is doing very strange things

Stay tuned!

Sebastian.

Subject: Re: Heavy Development on genfit

Posted by [Sebastian Neubert](#) on Wed, 16 May 2007 14:05:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi!

Another argument for checking in development code:

If somebody is to help me with the code I need to share my current status (containing the bug I need help with).

Sebastian.

Subject: Re: Heavy Development on genfit

Posted by [Florian Uhlig](#) on Wed, 16 May 2007 14:08:06 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi Sebastian

Thanks for your fast reply.
I understand that you want to check in the stuff bit by bit.
For the time being i will not compile the affected libraries.

Good luck for hunting the bugs.

Subject: Re: Heavy Development on genfit
Posted by [Ralf Kliemt](#) on Wed, 16 May 2007 14:43:04 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Sebastian,

A quick report:
Taking rev. 754 and compiling it I get the following:

```
/home/ralfk/Pandaroot/pandaroot/tpc/TpcSimplePatternRecoTask.cxx: In member function  
'virtual void TpcSimplePatternRecoTask::Exec(const Option_t*)':  
/home/ralfk/Pandaroot/pandaroot/tpc/TpcSimplePatternRecoTask.cxx:113: error: 'class  
Track' has no member named 'addHitIndices'  
/home/ralfk/Pandaroot/pandaroot/tpc/TpcSimplePatternRecoTask.cxx:122: error: 'class  
Track' has no member named 'getHitIndices'  
/home/ralfk/Pandaroot/pandaroot/tpc/TpcSimplePatternRecoTask.cxx:123: error: 'class  
Track' has no member named 'getHitIndices'  
/home/ralfk/Pandaroot/pandaroot/tpc/TpcSimplePatternRecoTask.cxx:157: error: 'class  
Track' has no member named 'getDetIDs'
```

In the genfit/Track.h these accessors are commented.

Subject: Re: Heavy Development on genfit
Posted by [Sebastian Neubert](#) on Wed, 16 May 2007 14:58:53 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi!

In this revision the TpcSimplePatternRecognitionTask should not be included in the makefile anymore. Probably I forgot to update the CMakeList.

Ah! I understand that this will get me in trouble. I am still using automake/conf. In such a case having two build systems is really nasty.

Hm...

Just take the "bad" classes out of the build please!

Sebastian.

Subject: Re: Heavy Development on genfit
Posted by [Sebastian Neubert](#) on Fri, 18 May 2007 16:17:46 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi!

In genfit the Track object can now fill a TVirtualGeoTrack.
This is used in recotasks/TrackVisTask to visualize the tracks.

Unfortunately it was not possible to use the geometry provided by Cbm. There were segmentation violations when I tried this, that I could not debug. An Expert should look at this.

The Hit visualization has to be done yet.

Cheers! Sebastian.

Subject: Re: Heavy Development on genfit
Posted by [Mohammad Al-Turany](#) on Tue, 22 May 2007 13:06:24 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi,

You should use TGeoTrack and not TVirtualGeoTrack, the later has no Draw implementation, it has only the dummy Draw implimentation of TObject!

regards

Mohammad

Subject: Re: Heavy Development on genfit
Posted by [Sebastian Neubert](#) on Tue, 22 May 2007 13:53:59 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Mohammad!

I tried TGeoTrack. It does not work. This is due to the special handling of GeoTracks in the GeoManager. You have to get a TVirtualGeoTrack-pointer from the GeoManager and then fill the object with data. Of course internally GeoManager will use TGeoTrack.

In the meanwhile I got it working. Didn't I post that?

Cheers! Sebastian.
