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Subject: [FIXED] STT and FTS libs: functions are missing in source files

Posted by [Anastasia Karavdina](#) on Wed, 17 Oct 2012 12:28:44 GMT

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Dear experts,

I'm trying to use GenFit for track fit in the luminosity detector and check results with lmd macro for comparison between MC and reconstructed tracks. We are compiling this macro to speed up it. But during compilation now I got following problems:

```
../../../../lib/libFts.so.0.0.0: undefined reference to
`PndFtsMapCreator::GetTubeFromTubeIDGeoType1(int)'
../../../../lib/libFts.so.0.0.0: undefined reference to `PndFtsMapCreator::GetTubeIDTot2(int, int, int,
TString)'
../../../../lib/libStt.so.0.0.0: undefined reference to
`PndSttHelixTrackFitter::DoFitThroughOrigin(PndTrackCand*, PndSttTrack*, int)'
../../../../lib/libStt.so.0.0.0: undefined reference to `PndGeoSttPar::PndGeoSttPar(PndGeoSttPar
const&)'
```

I checked these functions they are not implemented in source files.

Can somebody fix this bag, please?

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Subject: Re: STT and FTS libs: functions are missing in source files

Posted by [Stefano Spataro](#) on Wed, 17 Oct 2012 12:39:38 GMT

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Which trunk version are you using? They should be implemented since months.

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Subject: Re: STT and FTS libs: functions are missing in source files

Posted by [Anastasia Karavdina](#) on Wed, 17 Oct 2012 12:48:06 GMT

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Revision: 17564

PANDARoot itself compiles without any problems. I have these problems only during my macro compilation.

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Subject: Re: STT and FTS libs: functions are missing in source files

Posted by [Stefano Spataro](#) on Wed, 17 Oct 2012 12:49:52 GMT

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What do you mean? Maybe you forgot to include some folders?

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Subject: Re: STT and FTS libs: functions are missing in source files

Posted by [Anastasia Karavdina](#) on Wed, 17 Oct 2012 13:10:13 GMT

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Well, I mean that if I just compile pandaroot it works without problem.

But I have one macro for the luminosity detector, which I compile in CMakeLists with:

```
target_link_libraries(rec_mc_match ${ROOT_LIBRARIES} TrkBase Fts Stt RecoHits Minuit
GeoBase Geane Geom Proof FairTools PndData VMC EG GeomPainter generalTools Base
FairDB ParBase LmdTrk genfit genfitAdapters trackrep)
```

And then it's complain about functions in classes which I posted before.

I checked those function there are in headers, but there aren't implemented in source file. For example PndFtsMapCreator::GetTubeFromTubeIDGeoType1(int)

In the root/pandaroot/trunk/fts/PndFtsMapCreator.h

there is the line

```
PndFtsTube * GetTubeFromTubeIDGeoType1(Int_t tubeid);
```

but in PndFtsMapCreator.cxx there is nothing about this function.

From my point it's missing. Or am I misunderstand something?

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Subject: Re: STT and FTS libs: functions are missing in source files

Posted by [Lia Lavezzi](#) on Wed, 17 Oct 2012 15:06:56 GMT

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Hi Anastasia,

the STT part should be fixed. Please update to the latest trunk/stt and try the compilation again: the errors connected to PndSttHelixTrackFitter and PndGeoSttPar should be gone. If not, please let me know!

Cheers,

Lia.

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Subject: Re: STT and FTS libs: functions are missing in source files

Posted by [Anastasia Karavdina](#) on Wed, 17 Oct 2012 15:15:47 GMT

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Hi Lia,

Thank you for quick response! With STT everything is OK now.

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Subject: Re: STT and FTS libs: functions are missing in source files

Posted by [Garzia Isabella](#) on Wed, 17 Oct 2012 16:00:31 GMT

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Hi Anastasia,

I fixed the FTS part too.

Please update to the latest trunk/fts and try the compilation again... let me know if it is ok now.

Cheers,

Isabella.

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Subject: Re: STT and FTS libs: functions are missing in source files  
Posted by [Anastasia Karavdina](#) on Thu, 18 Oct 2012 11:42:39 GMT  
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I'm sorry, but there is still problem:

../lib/libFts.so.0.0.0: undefined reference to `PndFtsMapCreator::GetTubeFromTubeID(int)'

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Subject: Re: STT and FTS libs: functions are missing in source files  
Posted by [Garzia Isabella](#) on Thu, 18 Oct 2012 16:09:30 GMT  
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Hi Anastasia,  
I fixed the FtsMapper.  
Please, update and try to compile again.  
I hope it will be fine.  
Cheers,  
Isabella

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Subject: Re: STT and FTS libs: functions are missing in source files  
Posted by [Anastasia Karavdina](#) on Thu, 18 Oct 2012 17:14:01 GMT  
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Hi Isabella,  
Now everything is fine. Thank you!

Cheers,  
Anastasia.

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