
Subject: PANDAroot simulation with FTOF

Posted by [Yuri Naryshkin](#) on Sun, 26 Jun 2011 13:36:45 GMT

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Dear Colleagues,

I try to run PANDAroot with FTOF

I use standard procedure for the installation:

```
svn co https://subversion.gsi.de/fairroot/pandaroot/trunk pandaroot
```

```
cd pandaroot
mkdir buildPanda
cd buildPanda
cmake ../
. ./config.sh
make
```

then I can do some simulations in pandaroot/macro/ftof directory
(modifying CMakeLists.txt ...)

working OK.

When I would like to start example with charmonium

(in dir pandaroot/tutorials/charmonium/jul10)

in all output files there is no info about FTOF an error message

I tried to add some string in run_sim_tpccombi.C (like it is done for TOF):

```
FairDetector *FTof = new PndFtof("FTOF",kTRUE);
```

```
FTof->SetGeometryFileName("ftofwall.root");
```

```
fRun->AddModule(FTof);
```

and run root -b run_sim_tpccombi.C

but I've got an error message:

```
[INFO ] Media file used : /u/naryshk/ver1/pandaroot/geometry/media_pnd.geo
Info in (PndGeoHandling::Instance): Making a new instance using the framework.
fgeoName3 /u/naryshk/ver1/pandaroot/geometry/emc_module4_StraightGeo24.4.root
-I container name PndEmcGeoPar
Error: Symbol PndFtof is not defined in current scope run_sim_tpccombi.C:79:
Error: type PndFtof not defined
FILE:/u/naryshk/ver1/pandaroot/tutorials/charmonium/jul10./run_sim_tpccombi.C LINE:79
*** Interpreter error recovered ***
```

Could you please tell me should I add some additional dir for FTOF and some files in addition?

Is it possible to run charmonium example

with FTOF included into the simulation or I should use just

macro ftof files for the simulation?

Best Regards, Yuri.

Subject: Re: PANDArOOT simulation with FTOF
Posted by [asanchez](#) on Sun, 26 Jun 2011 16:50:10 GMT
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Dear Yuri,
you should first add the following line to the
CMakeList.txt at the trunk directory

```
add_subdirectory (ftof)
```

then go to your build directory and execute make to compile.

then it should work,
let me know in any case if you have problems again and
i will have take a look into the code.

kind regards

ALicia S.

Subject: Re: PANDArOOT simulation with FTOF
Posted by [asanchez](#) on Sun, 26 Jun 2011 16:53:58 GMT
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Hi again, i think you should add the link to the PndFTof in your
charmonium macro so as it is done in the macro/ftof macro.
The problem is that the information related to PndFtof is not included
in the default settings macro rootlogon.C.
I hope it works

regards
ALicia.

Subject: Re: PANDArOOT simulation with FTOF
Posted by [Yuri Naryshkin](#) on Sun, 26 Jun 2011 18:07:46 GMT
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Dear Alicia,
I add string: add_subdirectory (ftof)
to file pandaroot/CMakeLists.txt (copy of trunk from svn) attached,
then:
cd pandaroot/buildPanda
make clean
cmake ../
. ./config.sh
make

then I add some lines to pandaroot/tutorials/charmonium/jul10/run_sim_tpccombi.C:

```
FairDetector *FTof = new PndFtof("FTOF",kTRUE);
FTof->SetGeometryFileName("ftofwall.root");
fRun->AddModule(FTof);
```

and to pandaroot/tutorials/charmonium/jul10/run_digi_tpccombi.C (attached):

```
// ----- FTOF hit producers -----
PndFTofHitProducerIdeal* tofhit = new PndFTofHitProducerIdeal();
tofhit->SetVerbose(iVerbose);
fRun->AddTask(tofhit);
```

then run it:

```
root -b run_sim_tpccombi.C
```

but stil the result is:

Processing run_sim_tpccombi.C...

PSaid instance created... access via gSaid->f()

```
[INFO ] Media file used : /u/naryshk/ver1/pandaroot/geometry/media_pnd.geo
Info in (PndGeoHandling::Instance): Making a new instance using the framework.
fgeoName3 /u/naryshk/ver1/pandaroot/geometry/emc_module4_StraightGeo24.4.root
-I container name PndEmcGeoPar
Error: Symbol PndFtof is not defined in current scope run_sim_tpccombi.C:79:
Error: type PndFtof not defined
FILE:/u/naryshk/ver1/pandaroot/tutorials/charmonium/jul10/./run_sim_tpccombi.C LINE:79
*** Interpreter error recovered ***
```

Best Regards, Yuri.

File Attachments

- 1) [CMakeLists.txt](#), downloaded 404 times
- 2) [run_sim_tpccombi.C](#), downloaded 456 times
- 3) [run_digi_tpccombi.C](#), downloaded 474 times

Subject: Re: PANDArOOT simulation with FTOF
Posted by [Stefano Spataro](#) on Mon, 27 Jun 2011 08:39:59 GMT
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Have you added in your macro (or in the rootlogon.C) the line:

```
gSystem->Load("libFtof");
```

?

Subject: Re: PANDArOOT simulation with FTOF
Posted by [asanchez](#) on Mon, 27 Jun 2011 09:08:11 GMT
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Dear yuri, as Stephano has remarked, (sorry probably i should have been more detailed with explanations), you should add
after the line where you set the rootlogon.C

```
gROOT->Macro("$VMCWORKDIR/gconfig/rootlogon.C");
```

the needed library for ftof

```
gSystem->Load("libFtof");
```

now it should work,
best regards
Alicia.

Subject: Re: PANDArOOT simulation with FTOF
Posted by [Yuri Naryshkin](#) on Mon, 27 Jun 2011 15:33:39 GMT
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Dear Alicia and Stefano,
thank you very much for you help!
all the macros are working and finally
FTOF informations is in root files.
Best regards, Yuri.
