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 likr to start example with charmonium
(in dir pandaroot/tutorials/charmonium/jul10)
in all output files there is no info about FTOFan error message

I tryed 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_tpcc ombi.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();
ftofhit->SetVerbose(iVerbose);
fRun->AddTask(ftofhit);

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_tpcc ombi.C LINE:79
*** Interpreter error recovered ***

Best Regards, Yuri.

File Attachments

1) CMakeLists.txt, downloaded 449 times
2) run_sim_tpccombi.C, downloaded 512 times
3) run_digi_tpccombi.C, downloaded 525 times

Subject: Re: PANDAroot simulation with FTOF
Posted by StefanoSpataro 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.
