
Subject: Warning in FairPrimaryGenerator
Posted by [Klaus Götzen](#) on Wed, 30 Apr 2014 06:15:22 GMT
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Hi,

when using an EvtGen decay file with a PDG code not in TDatabasePDG,
FairPrimaryGenerators prints for every single decay some warning like

-W FairPrimaryGenerator: PDG code 88880 not found in database. This warning can be
safely ignored

Is there a (verbose-)switch which allows to suppress this warning? If not, would it be possible
to implement something to get rid of this warning?

Best and thanks,
Klaus

Subject: Re: Warning in FairPrimaryGenerator
Posted by [Johan Messchendorp](#) on Wed, 30 Apr 2014 06:30:39 GMT
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what about adding the particle in the database by adding the following in the simulation
macro?!?

```
TDatabasePDG::Instance()->AddParticle("pbarpSystem0","pbarpSystem0",fIni.M(),kFALSE,0.1  
,0,"",88880);
```

j.

Subject: Re: Warning in FairPrimaryGenerator
Posted by [Klaus Götzen](#) on Wed, 30 Apr 2014 06:48:13 GMT
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Hi Johan,

yes, I believe that was my own suggestion some time ago, but this workaround nevertheless is
unconvenient. And since the warning itself says, that it safely can be ignored, I don't know why
I should read this message 10000 times...

Best,
Klaus

Subject: Re: Warning in FairPrimaryGenerator
Posted by [Johan Messchendorp](#) on Wed, 30 Apr 2014 06:50:15 GMT
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indeed, I learned this trick from you actually
And you are right, why giving a warning at all when it is completely save to ignore it... bit
ironical.

j.

Subject: Re: Warning in FairPrimaryGenerator
Posted by [Shyam Kumar](#) on Wed, 30 Apr 2014 08:25:42 GMT
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Hi,
If you don't want to see the warning on screen then comment the line 234 in source code
/pandaroot/base/sim/FairPrimaryGenerator.cxx . then compile it again, it will not display that
warning.
cout << "\033[5m\033[31m -W FairPrimaryGenerator: PDG code " << pdgid << " not found in
database. This warning can be savely ignored.\033[0m " << endl;

Thank You

Subject: Re: Warning in FairPrimaryGenerator
Posted by [Klaus Götzen](#) on Wed, 30 Apr 2014 08:28:00 GMT
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Hi,

thanks for the hint, but I'd really like to have some official switch, so that I don't need some
patch or workaround every time again.

Best,
Klaus

Subject: Re: Warning in FairPrimaryGenerator
Posted by [Stefano Spataro](#) on Wed, 30 Apr 2014 08:33:31 GMT
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I think the message should stay there, since if you do some error in your generator you will
never realize w/o such a message.
The point would be to set these TParticle in some standard class called at the beginning of
each macro.

Subject: Re: Warning in FairPrimaryGenerator
Posted by [Klaus Götzen](#) on Wed, 30 Apr 2014 08:35:43 GMT
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Again, if I'm aware of that problem in some case, I'd like to have the possibility to switch it off by sth like

```
primaryGen->PrintWarnings(kFALSE);
```

Best,
Klaus

Subject: Re: Warning in FairPrimaryGenerator
Posted by [Shyam Kumar](#) on Wed, 30 Apr 2014 08:42:16 GMT
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some thing verbose like will be good in this case I have not seen any loop on verbose in the source code FairPrimaryGenerator.cxx. But one can put the loops like

```
if (verbose>1){  
  cout << "\033[5m\033[31m -W FairPrimaryGenerator: PDG code " << pdgid << " not found in  
  database. This warning can be savely ignored.\033[0m " << endl;  
}
```

Thank you

Subject: Re: Warning in FairPrimaryGenerator
Posted by [Stefano Spataro](#) on Wed, 30 Apr 2014 08:54:00 GMT
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However, this is the wrong place to ask, since FairPrimaryGenerator is a FairRoot class.

Subject: Re: Warning in FairPrimaryGenerator
Posted by [Klaus Götzen](#) on Wed, 30 Apr 2014 11:25:54 GMT
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I somehow overlooked the FairRoot forum, I'm gonna post the same message there again.

Best,
Klaus
