
Subject: Re: Cherenkov photons generation (FairBoxGenerator)

Posted by [Maria Patsyuk](#) on Tue, 24 Aug 2010 11:44:27 GMT

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Hi,
thank you for the answer!

I checked I had cherenkov propagation on in gconfig/g3Config.C.
I tried sim_dirc.C macro with pid code 500000050 and

```
boxGen->SetXYZ(49.8906, 11.6258, 0.)
```

which is supposed to be inside the quartz DIRC bar, but the simulation crashed again.

I'm using the macro sim_dirc.C (is in /u/mpatsyuk/PANDA/trunk/macro/drc/work1/sim_dirc.C)
with the following options:

```
no magnetic field,  
detectors - Cave, Pipe, DIRC,  
box generator  
FairBoxGenerator* boxGen = new FairBoxGenerator(500000050, 1);  
boxGen->SetPRange(0.000000003,0.000000003); // GeV/c  
boxGen->SetPhiRange(13., 13.);  
boxGen->SetThetaRange(110., 110.);  
boxGen->SetXYZ(49.8906, 11.6258, 0.); // cm
```

What could be wrong this time?
