Subject: Re: Cherenkov photons generation (FairBoxGenerator)
Posted by Maria Patsyuk on Fri, 20 Aug 2010 15:46:26 GMT
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The general idea of my study is to make a "photon gun" to investigate the response of cherenkov detector (DIRC) on photons with different initial angles.

I also tried to use FairBoxGenerator with normal photons (PGD = 22) with shifted from (0.,0.,0.) production point, but they don't behave like cherenkov photons and seem to be absorbed (their trajectory in the eventDisplay looks like a point).

Could you give me some hint about how to produce cherenkov photons (or photons that behave like cherenkov in GEANT) in an arbitrary point inside my detector ??

Thanks.