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Subject: Re: Cherenkov photons generation (FairBoxGenerator) updated!

Posted by [Jochen Schwiening](#) on Tue, 24 Aug 2010 15:48:55 GMT

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Hi Stefano,

thank you for your helpful response.

I can confirm that we are using Geant 3 and that we set `geant3->SetCKOV(1)`; as you mention.

You identified the reason for the vanishing primary gamma (22). If I lower the cut to 1 eV then the photon propagates a bit until it vanishes inside the quartz or the oil as it goes. If I try to go to 0.1 eV it crashes. Either way it never makes it to the photon detector and it never registers as a hit.

Regarding Geant 4, Dipanwita told me that the DIRC code currently does not work in G4, crashes for an undetermined reason.

Not sure if there's anything else we can test...

Thanks, Jochen

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