

---

Subject: Re: Cherenkov photons in Geant4

Posted by [Mohammad Al-Turany](#) on Wed, 11 May 2011 18:58:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

To switch on the optical properties with G4 you have to switch it on in the gconfig/g4Config.C

Quote: TG4RunConfiguration\* runConfiguration  
= new TG4RunConfiguration("geomRoot", "QGSP\_BERT\_EMV",  
"stepLimiter+specialCuts+specialControls");

here you have to add "optical" to the physics lists i.e:

Quote: TG4RunConfiguration\* runConfiguration  
= new TG4RunConfiguration("geomRoot", "QGSP\_BERT\_EMV+optical",  
"stepLimiter+specialCuts+specialControls");

see the g4Config.C for more options.

regards,

Mohammad