
Subject: Re: back-propagation with GEANE

Posted by [Lia Lavezzi](#) on Mon, 14 Jun 2010 09:27:07 GMT

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Hi Anastasia,

to print the information you can use the function Erxyzc() of TGeant3 (which corresponds to the fortran ERXYZC). If you look in TGeant3gu.cxx, in eustep(), it is already there for debugging:

if (geant3->Gcflag()->idebug * geant3->Gcflag()->iswit[2] != 0) geant3->Erxyzc();
you just have to enable it (outside the "if" statement) here in TGeant3gu.cxx, recompile geant3, run GEANE and it will print:

```
=====> starting GEANE tracking for MUON -          NEPRED = 1 with options : LE  
      X      Y      Z      R  NAME NUMBER  SLENG  STEP  DESTEP  GEKIN  
MECHANISMS
```

so you can understand which particle is tracked, where (name is the name of the volume), the energy deposit and which is the process (DESTEP and MECHANISMS).

Cheers,
Lia.
