
Subject: Minor developments

Posted by [Stefano Spataro](#) on Thu, 14 Jun 2007 13:30:03 GMT

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Hello,

I updated the CbmEmc.cxx file.

Now the materials are loaded from the media_pnd.geo file, while before they were hardcoded.

This changes even some media parameters of the early version, which was almost taken from the CBM ecal. In particular for PWO.

```
material__OLD____NEW
epsil____0.1____0.001
madfld____100.0____AUTO
maxstep____0.1____AUTO
maxde____0.1____AUTO
minstep____0.1____AUTO
```

where:

float epsil - boundary crossing precision EPSIL

float madfld - maximum angular deviation TMAXFD due to field

float maxstep - maximum step permitted STEMEX

float maxde - maximum fractional energy loss DEEMAX

float minstep - minimum value for step STMIN

It should not affect too much the analysis. In each case the "AUTO" values are automatically calculated by geant, so they can be trusted more than with the old setup.