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Subject: Dch materials

Posted by [Stefano Spataro](#) on Mon, 06 Aug 2007 09:17:49 GMT

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Hello,

I tried to launch the dch macro on macro/dch/runMC.C, and it worked but giving me some "warnings".

If I launch it with TGeant4 I have the followings:

```
Material silicon is not defined
Create Medium silicon
Material DCHmixture is not defined
Material is not defined in ASCII file nor in Root file
Create Medium DCHmixture
Material DCHmixturePassive is not defined
Material is not defined in ASCII file nor in Root file
Create Medium DCHmixturePassive
```

Indeed the materials are not defined neither in the media\_pnd.geo, neither in the code... so I suppose they are inside the root geometry file (even if the message say "not defined [...] nor in Root file").

But if I launch it with TGeant3, apart from those messages I get even:

```
***** GSMIXT ERROR. MIXTURE WITH NO COMPONENTS
***** GSMIXT ERROR. MIXTURE WITH NO COMPONENTS
0*** GSTMED *** Warning, medium = 3, value of EPSIL= 0.000E+00 reset to 1 micron
0*** GSTMED *** Warning, medium = 4, value of EPSIL= 0.000E+00 reset to 1 micron
```

I have the feeling that, in particular in the latter case, something is going wrong ("MIXTURE WITH NO COMPONENTS").

Moreover, I think it could be better to have all the materials defined in media\_pnd.geo, in order to have a much more accessible way to see the parameters, even because some of them are already existing (i.e. silicon).

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Subject: Re: Dch materials

Posted by [Anonymous Poster](#) on Mon, 06 Aug 2007 09:33:28 GMT

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You are right,

We forgot to comit our changes in media\_pnd.geo  
Please update and it should be ok

bye

Piotr

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Subject: Re: Dch materials

Posted by [StefanoSpataro](#) on Mon, 06 Aug 2007 09:46:13 GMT

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Hi,

I tried with the new geometry file and than the warnings about mixture disappeared, now I get only the messages:

```
Material silicon is not defined
Create Medium silicon
Material DCHmixture is not defined
Create Medium DCHmixture
Material DCHmixturePassive is not defined
Create Medium DCHmixturePassive
```

But this I think is normal, it should print them only because the materials were not yet defined.

So...now it is OK I think

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