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).