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Subject: Update of DIRC barrel code

Posted by [Annalisa Cecchi](#) on Thu, 28 Jun 2007 19:06:01 GMT

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Dear all,

with the revision 1028 you can get an important upgrade of the DIRC barrel package.

Many things are changed:

- Geometry: the bars of the DIRC are 2.6 m long as provided by the Panda integration; every side of the barrel is now composed by 8 slabs. Every side contains a mirror in an end and a sort of screen in the other end.
- ProcessHits: at the moment you register the hits only inside this logical screen at the end of the bars.
- Materials: in media\_pnd.geo I added some new materials, with particular Cerenkov properties. I needed to do it in order to have the production of Cerenkov cone, and the propagation/reflections of photons long over the slabs.

Cheers,

Annalisa

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