Subject: Hole geometry

Posted by StefanoSpataro on Thu, 14 Jun 2007 15:49:33 GMT

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Hello,
I found maybe one "bug" in the createGeometry.C, thus in the geometry of the fsc.

I suppose the geometry is defined as the "Chicane" option. Here the position of the hole along X is centred at hole_xpos = -120.0 [mm] and not at 0.

But when the "crystals" belonging to the hole are rejected, I found:

if(TMath::Abs(curShift.X ()-hole_xpos)<hole_xsize/2+cellxsize/2 && ...

In this case the rejected area is from -12 cm to +12 cm, thus we reject 6X2 pads. This is not so clear to me, maybe the TMath is not needed there.

In each case, actually in PandaRoot we have the "straight" pipe, so the "hole" is the fsc region should be around 2X2 cm^2, thus only 2X2 pad missing.

I created one geometry file with this kind of setup, but before committing it I would like to ask confirmation from the experts.