Subject: Re: How to get the orientation of a detector element?
Posted by Dima Melnychuk on Thu, 10 Feb 2011 21:22:32 GMT
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Hi Hossein,

To retrieve orientation of a crystal in pandaroot framework you can use the PndEmcStructure class which actually extract information on position and orientation of the crystals from the root geometry to provide it for reconstruction algorithm.

In this class the map is filled fTciXtalMap between the crystal index presented in the form of PndEmcTwoCoorIndex (tci) object and PndEmcXtal which provide different method to access position and orientation of the crystal. I suppose

TVector3 PndEmcXtal::normalToFrontFace()

return something you want.

You can look into PndEmcClusterProperties::LiloWhere() to see how it is actually used.

And there could be the diffrence to call it withing the task or in macro, in the PndEmcClusterProperties::LiloWhere() it is called within the task and in macro I can foresee additional complications.

If this hint does not help, let me know and will try to provide more detailed example.

Best regards,

Dima