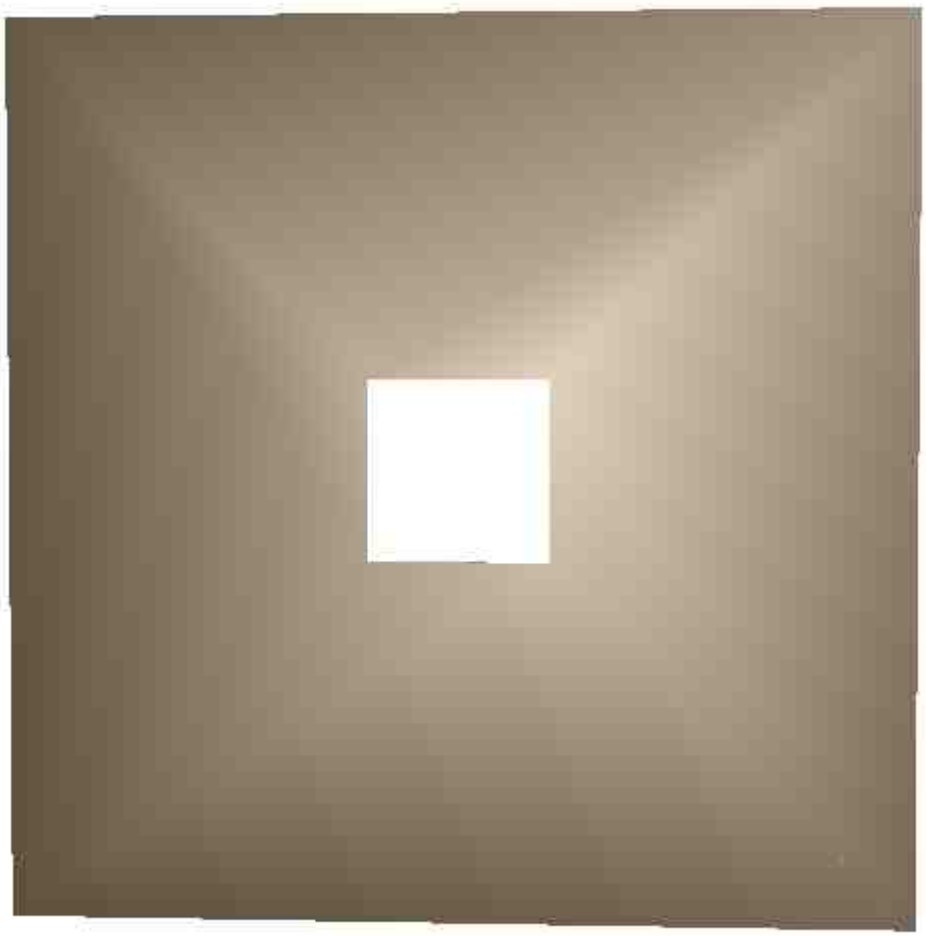
Subject: Help in Creating a new diamond detector for Pid
Posted by Shyam Kumar on Sun, 21 Jul 2013 06:19:17 GMT
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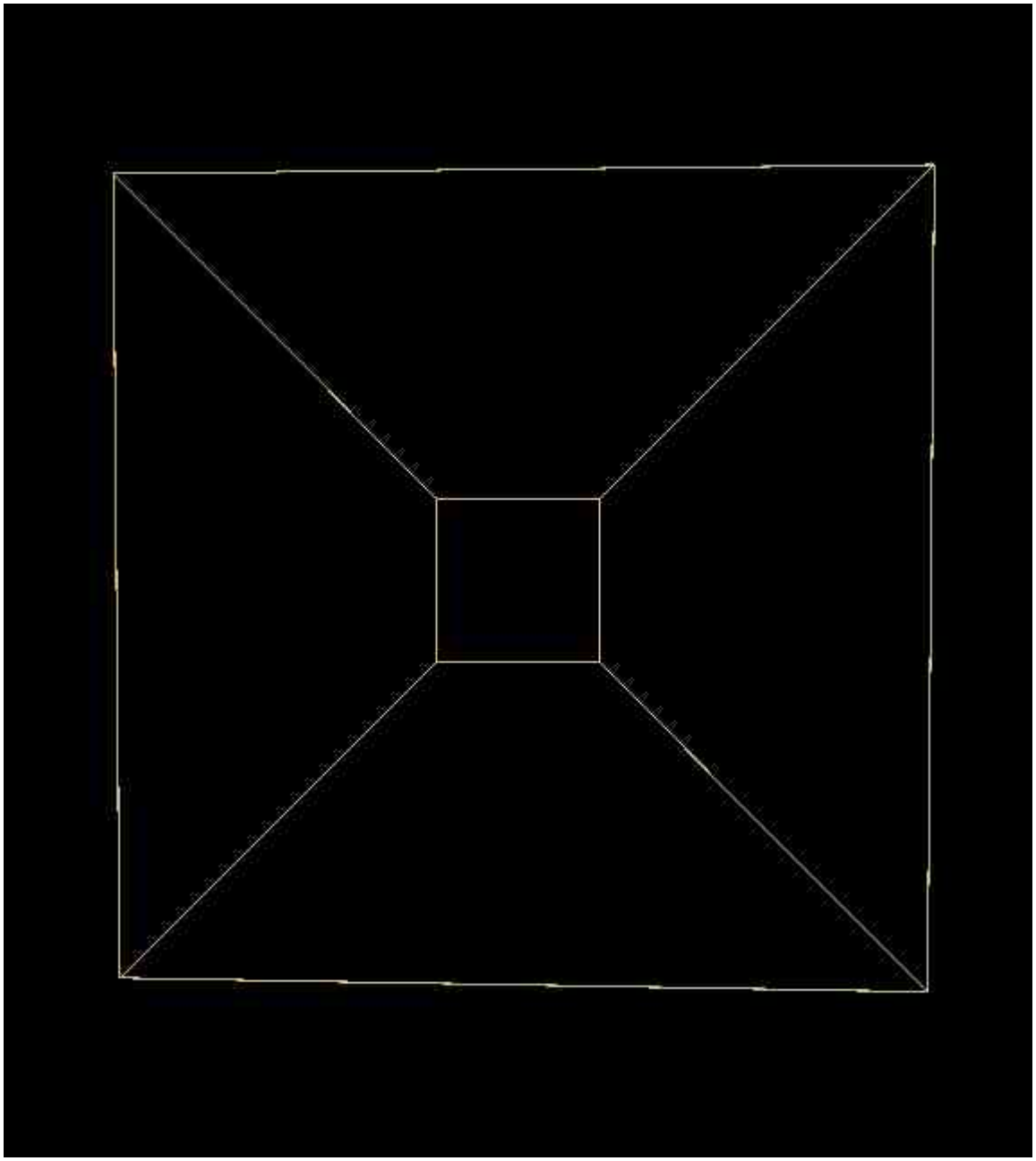
Hi,
I want to check if I use the diamond sensor (TOF) timing (100ps) as a trigger detector what will be improvement in Pid? for this I have made the geometry of detector.Please suggest me how can I add this detector in simulation?

File Attachments

1) diamondsensor2.jpg, downloaded 1536 times



2) Diamondsensor1.jpg, downloaded 1637 times



Subject: Re: Help in Creating a new diamond detector for Pid
Posted by StefanoSpataro on Sun, 21 Jul 2013 10:06:03 GMT
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You can use the tutorial given in the Torino Computing week, at the following link:

https://indico.gsi.de/conferenceOtherViews.py?view=nicecompact&confI d=1602

Subject: Re: Help in Creating a new diamond detector for Pid
Posted by Shyam Kumar on Sun, 21 Jul 2013 12:03:58 GMT
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Thank you for Reply

Subject: Re: Help in Creating a new diamond detector for Pid
Posted by Shyam Kumar on Tue, 23 Jul 2013 07:31:58 GMT
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Hi
If I want to plot any two things in pid by using the below expression then what should I write in place of MCTrack.fMotherID!=-1.

cbmsim.Draw("MCTrack.fStartX:MCTrack.fStartY>>aa(200,-200,200,200,-200,200)
","MCTrack.fMotherID!=-1","colz“)

Subject: Re: Help in Creating a new diamond detector for Pid
Posted by StefanoSpataro on Tue, 23 Jul 2013 07:41:40 GMT
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cbmsim.Draw("PidChargedCand.GetEmcRawEnergy
():PidChargedCand.GetMomentum().Mag()>>aa(200,0,2,200,0,2)
","PidChargedCand.GetEmcQuality()>-1&&PidChargedCand.GetFitStatus() >0","colz“)