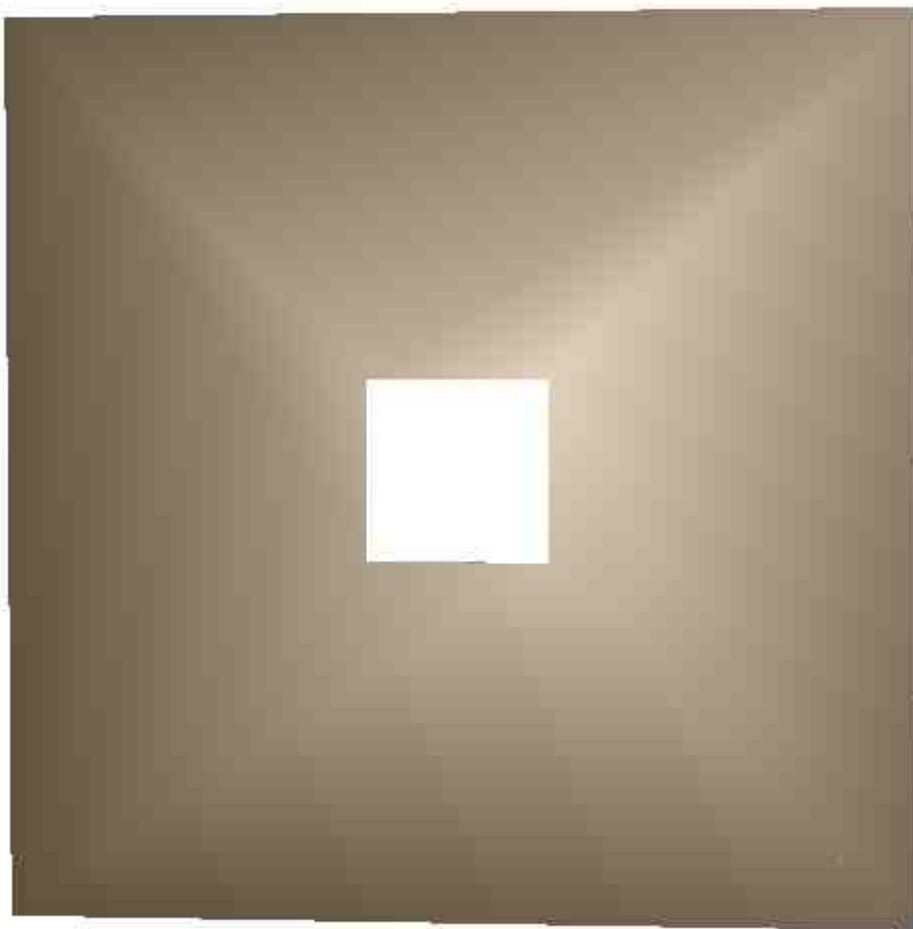

Subject: Help in Creating a new diamond detector for Pid
Posted by [Shyam Kumar](#) on Sun, 21 Jul 2013 06:19:17 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi,

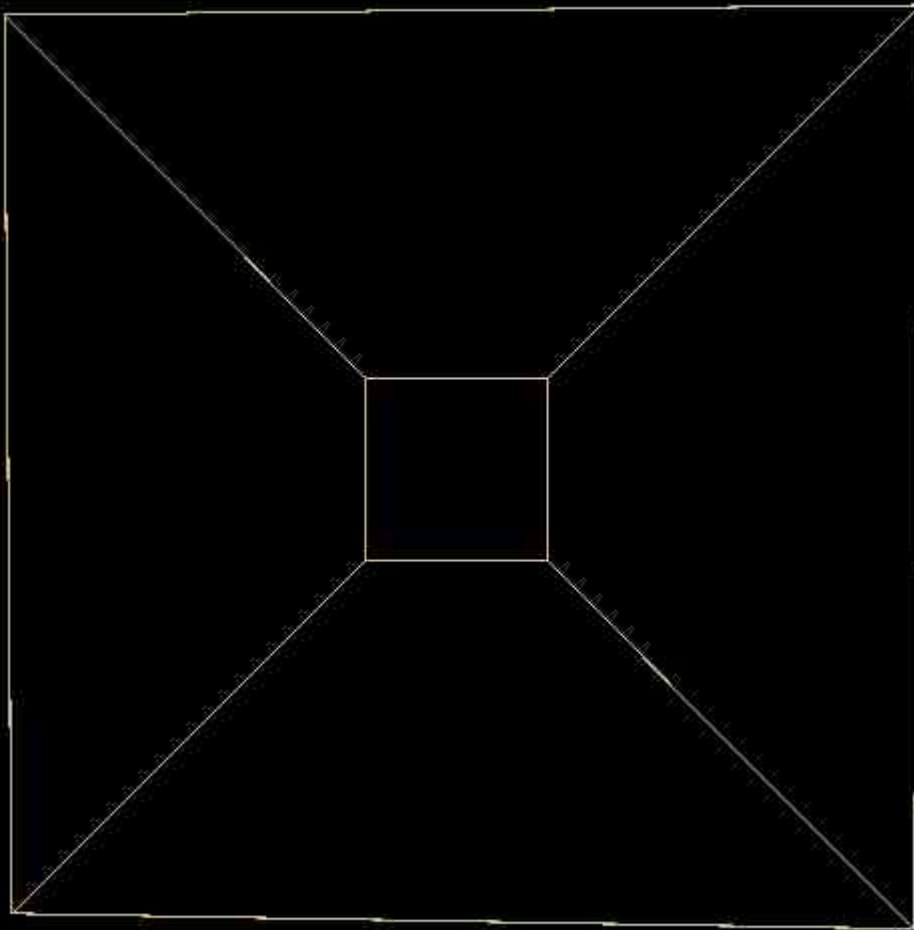
I want to check if I use the diamond sensor (TOF) timing (100ps) as a trigger detector what will be improvement in Pid? for this I have made the geometry of detector. Please suggest me how can I add this detector in simulation?

File Attachments

1) [diamondsensor2.jpg](#), downloaded 374 times



2) [Diamondsensor1.jpg](#), downloaded 403 times



Subject: Re: Help in Creating a new diamond detector for Pid
Posted by [Stefano Spataro](#) on Sun, 21 Jul 2013 10:06:03 GMT
[View Forum Message](#) <> [Reply to Message](#)

You can use the tutorial given in the Torino Computing week, at the following link:

<https://indico.gsi.de/conferenceOtherViews.py?view=nicecompact&confId=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
[View Forum Message](#) <> [Reply to Message](#)

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

[View Forum Message](#) <> [Reply to Message](#)

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 [Stefano Spataro](#) on Tue, 23 Jul 2013 07:41:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

```
cbmsim.Draw("PidChargedCand.GetEmcRawEnergy
():PidChargedCand.GetMomentum().Mag()>>aa(200,0,2,200,0,2)
","PidChargedCand.GetEmcQuality()>-1&&PidChargedCand.GetFitStatus() >0","colz")
```
