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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

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- 1) [diamondsensor2.jpg](#), downloaded 267 times
  - 2) [Diamondsensor1.jpg](#), downloaded 302 times
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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&confId=1602>

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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

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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")
```

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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")
```

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