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Subject: First step in VMC

Posted by [Annalisa Cecchi](#) on Wed, 16 Apr 2008 15:36:42 GMT

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Hello everybody,

we need to register an information only for the first step of a track entering in a volume. In particular, we need to calculate the angle of a particle entering in a bar of the DIRC. We already can calculate this angle, but at the moment we have as many angles as the steps inside the volume for each event. Instead we need of the angle of the first step only, so only one for each event.

Do you know how I can select with VMC the first step of a track entering in a volume?

Thanks

Annalisa and Elisa

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Subject: Re: First step in VMC

Posted by [Ralf Kliemt](#) on Thu, 17 Apr 2008 08:31:09 GMT

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Hi Analisa,

You might want to have a look into the Mvd ProcessHits function  
pandaroot/mvd/MvdMC/PndMvdDetector.cxx:119.

There you have

```
if( gMC->IsTrackEntering() )
```

This is processed only at the first step, as you need it.

I hope this helps.

Ralf.

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