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Subject: Geant Information

Posted by [Iman Keshk](#) on Tue, 06 Feb 2018 14:53:41 GMT

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Hi all,

I am still a beginner at PandaRoot. How can I get access to geant information from the generated monte carlo truth candidates (Like start and stop vertices)?

I hope you can help me out.

Best Regards,  
Iman

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Subject: Re: Geant Information

Posted by [Ralf Kliemt](#) on Sat, 10 Feb 2018 21:19:26 GMT

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Hello Iman,

You will find McTrack objects in the TClonesArrays of your simulation. However, the detailed results of the stepping in GEANT are not stored. Each detector creates some form of "Point", which often contains the two places where the track entered & departed the sensitive volume as well as the momentum.

I hope this helps.  
Ralf

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Subject: Re: Geant Information

Posted by [Iman Keshk](#) on Thu, 15 Feb 2018 08:37:16 GMT

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Hi Ralf,

The thing is, that I can not reconstruct kaons with a momentum below 200 MeV, so I wanted to take a look at the stop vertices of the generated monte carlo truth track, to see where my kaons go. I found start vertices in the MCTrack objects but unfortunately no stop vertices. What do you mean by "often"? Are there any requirements for the creation of such a "Point"? And can I get information about what is happening in the beam pipe, because these "Points" are just created by detectors.

Thank you for your help.  
Iman

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