
Subject: point of closest approach

Posted by [I. Atar](#) on Wed, 22 Jul 2009 14:08:46 GMT

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hi all,

I try to reconstruct the mass and decay length of single lambdas with LheTrack. somebody tell me please ,how I can get information about the points, which the tracks of proton and pi- are closest.

best regards,
leila

Subject: Re: point of closest approach

Posted by [Sebastian Neubert](#) on Wed, 22 Jul 2009 14:31:27 GMT

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Hi!

I have done Lamba reconstruction with the genfit tools already quite some time ago. In the recotask package there is the LambdaSelector for this. I do not know if it survived the recent changes to genfit but it certainly would be a starting point. If you could develop it into a fully functional tool that would be great!

Cheers! Sebastian.

Subject: Re: point of closest approach

Posted by [I. Atar](#) on Thu, 23 Jul 2009 09:43:19 GMT

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Hi,

thanks a lot, i will try this.

best regards
leila

Subject: Re: point of closest approach

Posted by [I. Atar](#) on Fri, 24 Jul 2009 16:19:27 GMT

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Hi Sebastian,

I try to use Lambdaselector, but at the beginning I have problem with the input file PndMicroCandidate. First the following line

```
TTree *t1=inFile1->Get("cbmsim") ;
```

```
TClonesArray *fTr = new TClonesArray("PndMicroCandidates");  
t1->SetBranchAddresses("PndMicroCandidates",&fTr) ;
```

gives the error:

Error in <TTreeFormula::Compile>: Part of the Variable "PndMicroCandidates.GetCharge()" exists but some of it is not accessible or useable

the charge of all entries are zero.

I use the revision 6123. Maybe you have an idea what the responsible is?

Cheers,
leila

Subject: Re: point of closest approach
Posted by [Sebastian Neubert](#) on Mon, 27 Jul 2009 09:03:49 GMT
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Hi!

I have not Worked with MicroCandidates yet, when I set up the LambdaSelector I just used the genfit tools.

The error message you get indicates a problem with the root dictionary. Maybe there is a problem in some LinkDef.h

Keep on trying!

Cheers! Sebastian.