Subject: VertexFinder
Posted by Anonymous Poster on Wed, 14 Nov 2007 16:29:43 GMT
View Forum Message <> Reply to Message

Hello!

There were several classes in old Ralph's code (stt2) to look for the secondary decay vertices and fit them (CbmSttVertexFinder, CbmSttVertexFitter). It's look like that this classes were lost during merging process of the stt1 and stt2 packages. Is there any plans to reimplement them again? Because it's needed for the strange baryon decays studies...

Best regards,

Andrey

Subject: Re: VertexFinder
Posted by asanchez on Wed, 14 Nov 2007 17:21:53 GMT
View Forum Message <> Reply to Message

hi Andrei, i was looking inside others packages
also to manage the same point, and i found that
inside of recotask
there is a so called Lambdaselector class created ny Sebastian.it is used to determined the decay vertex of lambda
by using the #include "ExtrapolateToPCA.h"

```
// find point of closest approach
    ExtrapolateToPCA(protontrk,piontrk);

    std::cout<<"Vertex at:"<<std::endl;
    Int_t size=_vertexArray->GetEntriesFast();
    TVector3* v=new((*_vertexArray)[size])
TVector3(0.5*(protontrk->getPos()+piontrk->getPos()));
    v->Print();
```

so i don't know .
I have not yet tried.Let me know if it works well.

cheers ALicia.

Subject: Re: VertexFinder
Posted by asanchez on Wed, 14 Nov 2007 17:58:32 GMT
View Forum Message <> Reply to Message

hi again,
if you have access to
/d/panda02/ in gsi
in my account (asanchez)you will find the stt2 directory with the old code.

cheers ALicia.

Subject: Re: VertexFinder
Posted by Lia Lavezzi on Fri, 16 Nov 2007 14:35:38 GMT
View Forum Message <> Reply to Message

Hi Andrei,
we know there are several classes above all concerning the vertexes which have not been yet implemented in the merged stt code. We did not import the stt2 vertex classes previously, because we were more focussed on the momentum resolution, geane stuff and so on, but we kept in mind the existence of such classes. Up to now we have not thought so much about the vertexing, but we are open also to the option of reusing Ralph' s classes, which, moreover, fit in the existing stt structure (with some changes, for example they should also be translated into PndStt instead of CbmStt (see new stt repository) according to the conventions).
If you want to try to adapt the old Ralph' s vertex code to the stt you' re welcome!
If you need the old code I think you can find it also in
https://subversion.gsi.de/fairroot/release/pandaroot/1_0_0/stt2/

Best regards,
Lia and Pablo.