
Subject: Re: Vertex Fitter in Fast simulation

Posted by [Elisabetta Prencipe \(2\)](#) on Wed, 02 Apr 2014 16:04:17 GMT

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Hi Ralf,

I have one more question for today.
In the trunk 24275 now I get an analysis macro (fast-sim). I can check basic plot of 4-momentum, event shape, ... fine.
I want now to use the vertex fitter and then check the mass resolution.

So, I write for Ds-, in the chain pbarp --->Ds- Ds(2536)+:

```
        qa.qaComp("Ds", Dslist[j], ntp2); //this was already in the analysis macro
provided
```

```
        //with this line I obtain all info on 4-mom and mass
```

```
        //Here I add info related to the vertex fitter
PndKinVtxFitter vtxfitter(Dslist[j]);
vtxfitter.Fit();
double chi2_vtx=vtxfitter.GetChi2();
if (chi2_vtx>0.){
    RhoCandidate *jfit = Dslist[j]->GetFit();
    TVector3 jVtx=jfit->Pos();
}
qa.qaComp("Ds_vtx_", XXXX, ntp2);
```

What shall I write where I put XXXX? I can't write Dslist[j], otherwise I get exactly same value as without the vertex fitter.

Could you help me, please, to understand how to get this in?

Thank you very much for your help!

Elisabetta
