
Subject: Re: No back propagation to IP for V_0 reconstruction

Posted by [Ralf Kliemt](#) on Thu, 04 Dec 2014 11:10:48 GMT

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Hi Donghee,

I agree with Stefano: You need to do a vertex fit to get the proper momentum directions of the pions. What it does is to find the position along the tracks (helices) where the momentum is tangent. Where your momentum is defined before you give it to the fit does not matter that much. If you want to use the pions defined as they were right after the Kalman filter you may simply use

```
PndAnalysis::ResetCandidate(RhoCandidate*) or  
PndAnalysis::ResetDaughters(RhoCandidate*) .
```

e.g.:

```
(theAnalysis->ResetDaughters(kshort);)
```

Cheers

Ralf
