Subject: Re: PndKinVtxFitter
Posted by Alexandr Zinchenko on Tue, 12 Aug 2014 11:22:32 GMT
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Maybe I got the logic behind the vertex constrained fit wrong.

In my understanding, this PndKinVtxFitter assumes the decay particles coming from the same vertex
(without assumption on the vertex position itself). Therefore, it can be useful, e.g., to reject background
combinations when building J/psi from 2 charged tracks (if the fit quality is not good enough).

If so, considering also neutrals when building more composite objects would help the same way to reject
background combinations. At least (in my understanding),
such an approach was proposed (and realized) during the PANDA Physics Book preparation - see Sect. 4.2.2.3, subsection
on ppbar-> J/psi pi+ pi-, item 3.

So, it looks like Rho package was able to do such a fit at that time.

Am I wrong?