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Subject: Re: Problem with PndKinVtxFitter and Ks decays  
Posted by [Ralf Kliemt](#) on Wed, 28 Nov 2012 12:14:12 GMT  
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Hallo Dean,

It is a "known issue" that the vertex fitters don't handle neutral particles correctly. In the new year I'll invest some time to repair that behaviour.

Bear in mind that the vertex fitters primarily are made for charged tracks under the common vertex hypothesis. You can, however, fit on the vertex of your pions from the D0 and select for the  $\chi^2$ . The cleaned pion sample is used to combine with the K0 to the D0. You can then apply the 4C fit (knowing the initial system) on both D0 and aD0 for further improvement.

Cheers  
Ralf Kliemt

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