
Subject: Re: Pnd4CFitter - how to use it
Posted by [Stefano Spataro](#) on Fri, 30 Aug 2013 13:40:58 GMT
[View Forum Message](#) <> [Reply to Message](#)

The 4-constraints fit forces the final 4-momentum, sum of the decay products, to be exactly like the initial one.

If you have a formation experiment, i.e. $p\bar{p} \rightarrow h_c$, then you can use the 4C fitter since you know the p at rest and the projectile $p\bar{p}$, but if you have a reaction like $p\bar{p} \rightarrow DD$ you cannot use it to force the mass of one single D , since you don't know its initial 4-momentum. You can force the DD state, but not the single D .

I suppose this is the reason why it does not work in your case.
