
Subject: Re: Finding true vertex position of mother particles.

Posted by [Ralf Kliemt](#) on Tue, 21 Jun 2011 07:47:47 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello Donghee,

The $\psi(3770)$ you are looking at is a) a neutral particle and b) decaying "instantly". This means you have a) no mc track and b) no displaced vertex.

Hence the vertex of the decaying particles is the interaction point (or a point in the beam-target distribution).

Regards,
Ralf
