
Subject: Re: Momentum resolution and reconstruction efficiency of LHE tracking
Posted by [Stefano Spataro](#) on Thu, 11 Feb 2010 06:47:08 GMT

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As I as writing before, lhe is based in 3D points -> XYZ.

In the case of SttHit this information is not available, and the helix fit transforms straw hits into point of closest approach to the central wire, used by lhe for the finding.

Maybe one could write an "ideal" stt helix hit producer, which does not take the reconstructed PCA but the MC point -> points for the finder, hits for the fitter.

But I am not so sure if this is want we want/need.
