
Subject: Re: Momentum resolution and reconstruction efficiency of LHE tracking
Posted by [Stefano Spataro](#) on Thu, 11 Feb 2010 11:49:22 GMT

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Hi,

I have added a new option in the LheHitsMaker.

If you set SttMode(4) instead of 3, then you will use stt helix hit but BUT with position taken from MC points (and not from the helix fit). In this case you will be independent from a "wrong" helix fit in stt tracking.

Finally, the kalman will use the stt helix hit with the realistic signal (not mc points).

Could you please update lhetrack from svn, use Stt mode 4, recheck the numbers and see if the efficiency goes up?
