Subject: Re: Momentum resolution and reconstruction efficiency of LHE tracking

Posted by StefanoSpataro on Wed, 10 Feb 2010 23:21:11 GMT

Hi,
LHE ideal track finder is an ideal track finder (no conformal mapping) inside lhe package
However, the SttHelixHit are coming from the (realistic) STT helix fit. This means that, if for some reason the stt helix fit failed, lhe will have no hits (or maybe wrong hits), and the track will be simply lost. This effect is more pronounced at low momenta, were for some unknown reason the Z coordinate had systematic deviations.