Dear Panda User,

I'm trying to understand how the LHE tracking works in very general and naive(?) view.

Hits of every detectors (MVD, TPC, GEM etc...) have been produced in MC+Digitization stage.

In LHE tracking, a hit maker use every hits from tpc, mvd, and gem to construct a global hit.
Upto this procedure, there is no assumption for interaction point 0,0,0 in my understanding.

Then the track finder try to build a track candidate with introducing track cuts, and a pattern recognition has been done in this stage.
And finally fitter perform track fitting for this candidate.

In principle, one can modify track finder to find shifted interaction point, if I correctly understand.
You don't need to care about full stuffs from all detector.

That's mean that one can directly extend tracking to secondary vertex and shifted vertex at lhetracking in very simple view.

I know that the real modification should be really really difficult.
If I'm wrongly understanding the lhetracking package, please correct me!

Thank you for your reading!
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