
Subject: Re: How to merge two LCIO events
Posted by [NormanGraf](#) on Thu, 06 Sep 2007 20:53:18 GMT
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Hello All,

I don't know why, but I was assuming that Guilherme was asking about merging the output from the full detector simulations, i.e. SimCalorimeterHits and SimTrackerHits. For this, the lcio merge package correctly accounts for time offsets, so that further digitization can do the right thing. I believe it is impossible to correctly merge hits further down the line (e.g. TrackerHit and CalorimeterHit). One can come up with technical ways of doing so, but they all have inherent problems. Martin has pointed out some of them for the TPC, but there are similar problems for other subdetectors. I would strongly encourage people to restrict themselves to overlaying the raw output and doing the digitization correctly.

Norman
