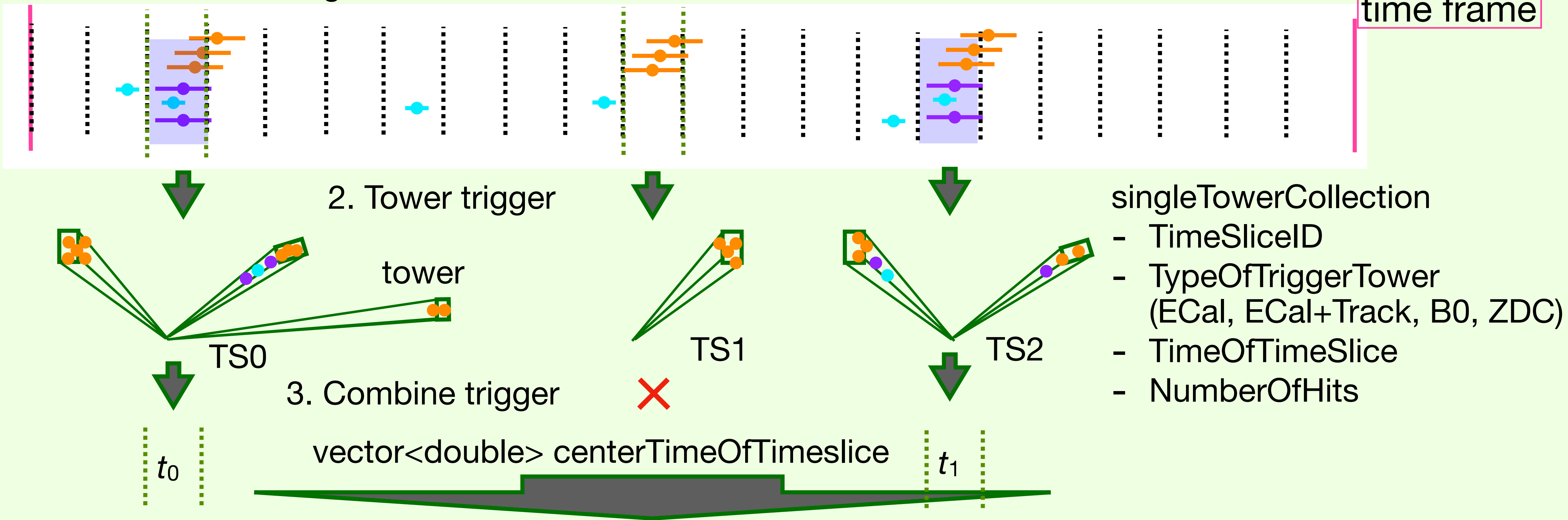


# Modulize the current pre-event identification

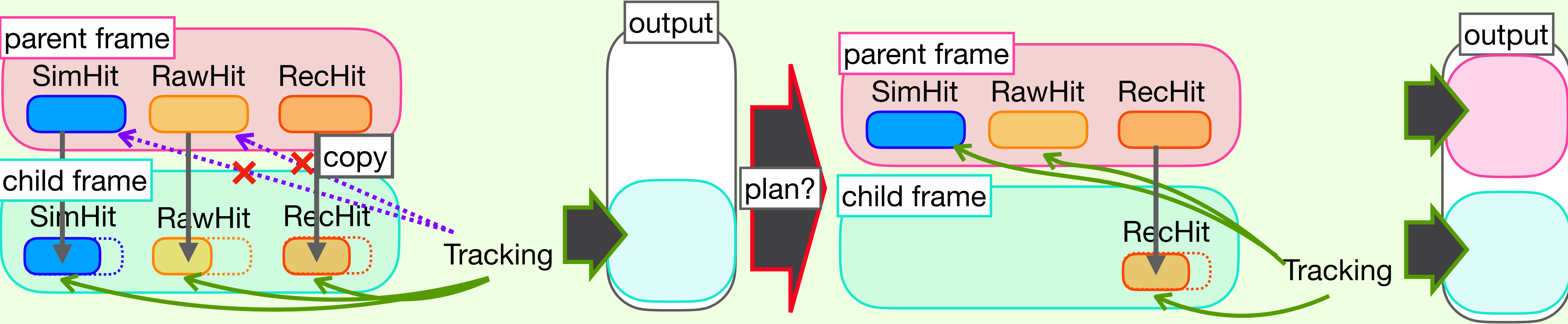
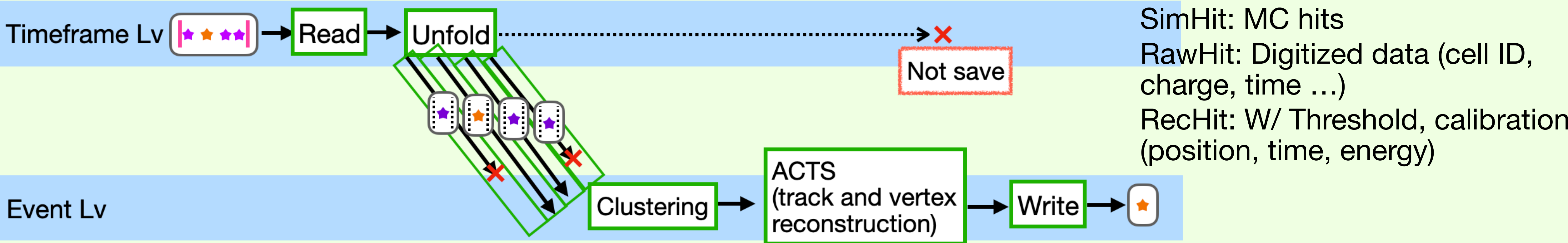
1. Time Alignment ➡
2. Scan Time slice and make time&geometrical coincidence trigger towers ➡
3. Combine trigger using the towers and send time slice time vector to the unfold ➡
4. Unfolder

## 1. Time Alignment



4. Unfold: Create time slice frames and register all detector's hits into the frames, respectively.

1. Which information is important for the reconstruction group? / How should we need to make a output data structure?



In the current architecture, a factory cannot read the collection in a different level. Therefore, the unfold copies every collection which the down stream factory now.

It is possible to avoid unnecessary copies, but the output file format will change with the single level way. It requires the offline analysis code modification.