

LuCaS and LCIO integration

- `LCEventAction` class registered with Geant4 `G4RunManager` to add user action for event processing.
- `LCEventAction::EndOfEventAction(...)`
 - Retrieve collections of hits generated in sensitive detectors as `G4THitsCollection<LCHit>`.
 - `LCHit` is a class derived from `G4VHit` to store and handle LumiCal hits information.
 - Depending on the settings from the configuration file it calls different methods of `LCRootOut` class to save data in output file.
 - `LCRootOut::ProcessEvent (hit_collections); // TTree`
 - `LCRootOut::ProcEventAccumulate (hit_collections);`
 - LCIO output can be added as a method to this class. Additional parameter can be implemented in Setup and configuration file.