

Software/Physic liaison

Clement Helsens (CERN)

Status

- Back in March, and based on the snowmass experience, I produced 2M events for each of the 60 samples (hard scattered processes)
 - <https://test-fcc.web.cern.ch/test-FCC/index.php>
- Only LHE files
- Decided to wait for the FCC-EDM to be full ready before hadronization with Pythia8 and store FCC-truth events
- Now that the Delphes card is almost ready, we quickly need to produce the FCC events using the Delphes Simulation
- But:
 - The DelphesSim branch from Michele Degrutolla still not merged
 - This DelphesSim branch is only able to ready HEPMC as input
- To make use of those LHE events with FCCSW need to internally feed DelphesSim with transient Pythia output
- One other thing to pay attention to, b-tagging is NOT implemented in the FCC EDM

Questions

- When do we need events to be shared with the community?
- Shall we consider running Delphes standalone?
- Would need to start discussing about the various background processes to be produced (if we need more than snowmass)
- How do we want the users to work with the Delphes events?