software report

report from conveners' meeting earlier today

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ILD analysis/software meeting 19 June 2019

overall strategy

Frank reported on discussions about
- followup AIDA project [LCIO replacement, new tracking tools, …]

- common tools for future collider studies (pushed by CERN's EP-SFT)
(LCIO →) POD-io, DD4HEP, (Marlin →) Gaudi
long-term strategy probably to collaborate
however, in short term need to fully support our currently used solutions

Upcoming 250 GeV production
these data will be with us for years, expect many PhD theses to be based on them

proposal to keep (almost) all MC data only in DST format
→ maximise event statistics in finite disk space

→ physics groups need to check that everything needed is stored on DST
eg track refits with different mass constraints ?

+ a few 1000 events per process in full REC output
→ produced "on demand" from analysers ?
→ produced for each process by default ?

generator group

Mikael has been running Whizard2.7 for all S.M. 250 GeV processes
comparing xsecs to those obtained using v1.96 for DBD production

everything looks OK

Junping has produced new 6f events @ 1 TeV (for J. Beyer)
mismatch of xsec comparing to original DBD samples understood
production has started

simulation

no news

reconstruction

DJ has started to look at high energy photon reconstruction

biases in energy and angle have been reported for high energy photons

MC production

production of new 6f samples started, expected to complete within a week.