News - Physics Performance, May 17, 2021

P. Azzi (INFN - PD), E. Perez (CERN)

Monte-Carlo samples: "Spring2021" campaign

- Goal: EDM4HEP samples for the analyses targeting this summer
- Release from 2021-04-30, uses Delphes 3.4.3pre10. Relies on the EventProducer from Clement Helsens. Samples in EOS.
- Main changes compared to the samples of end of 2020:
 - Beam-energy spread is included
 - bugfix of the MC-associations for electrons
 - beam-pipe model updated
 - better resolution for (slightly) displaced tracks; the error matrix of the track parameters now include also the off-diagonal terms
- Samples correspond to IDEA simulation; a few alternative samples (IDEA with 3T at 240 GeV, CLD tracker) produced too.
- On-going list of samples: http://fcc-physics-events.web.cern.ch/fcc-physics-events.web.cern.ch/fcc-physics-events/belphesevents-spring2021_IDEA.php
- Configuration cards: see the <u>FCC-configs repository</u>, branch spring2021.

FCC Software forum

- Good to see increasing activity on this forum
- Continue to use it for all technical questions, in particular related to FCCAnalyses
- URL: https://fccsw-forum.web.cern.ch/

Announcements & coming events

- ECFA workshops on e+e- Higgs/EW/Top factory
 - Kick-off meeting (online): June 18
 - https://indico.cern.ch/event/1033941/
- FCC week (online): June 28 July 2
 - https://indico.cern.ch/event/995850/
 - Detailed agenda is in preparation. Probably a short session with a few reports on well advanced analyses.
- Next FCC France workshop (Annecy): Nov 30 Dec 2
- Conference page thanks to the Speaker Bûro!
 - https://fcc-ee-conference.web.cern.ch/
 - Former talks, abstracts submitted to summer conferences

Today's agenda and next meeting



Next meeting (t.b.c.): Monday, June 21, 2021