

Software Coordinators Report

ILD Software and Analysis Meeting

07.07.21

Frank Gaede, DESY

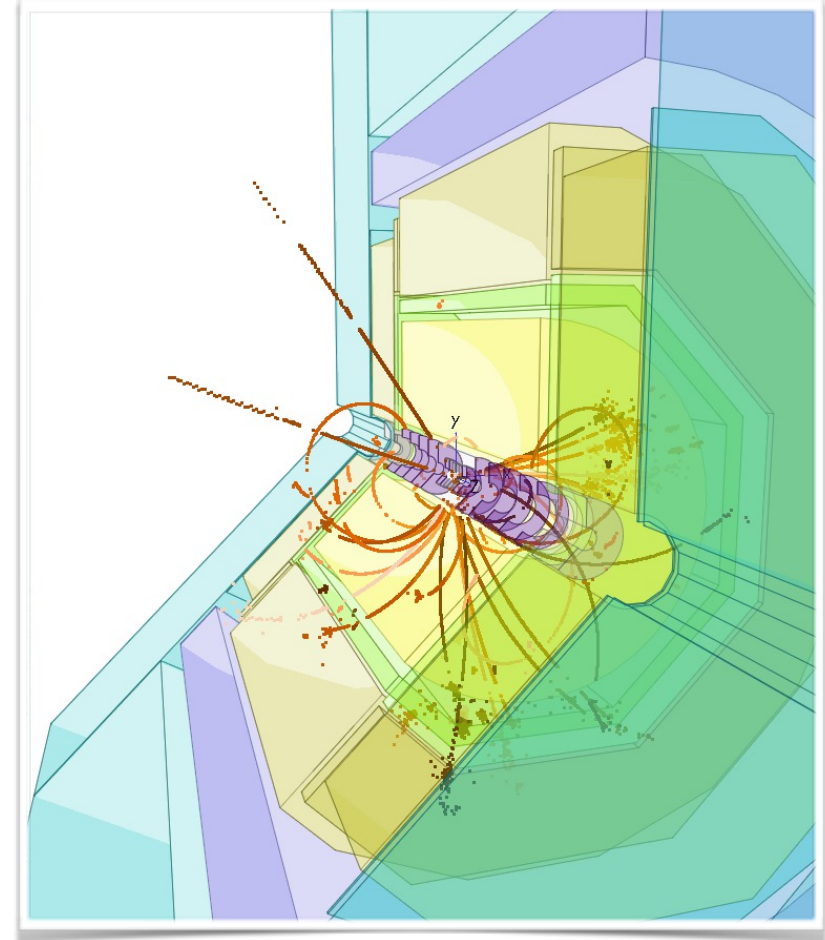


Outline



- Generator
- Simulation
- Reconstruction
- Monte Carlo Production

report from SW convenors meeting on Friday

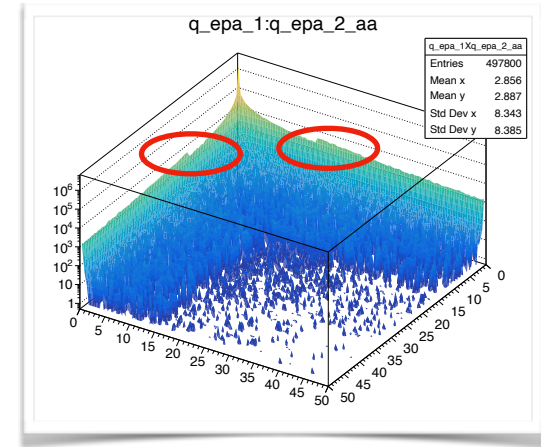


Generator

J.Tian



- not too much news on generator side
- had a meeting w/ Whizard authors on the issue with photon-photon cross section
 - “not trivial to fix”
 - W. Kilian will ask student to have a closer look
- possible fall-back solution
 - reweigh the cross section as a function of Q^2 to smoothen it correctly
- 6f generation currently paused
 - basically ready
 - need tuning of resonant history



Monte Carlo Production

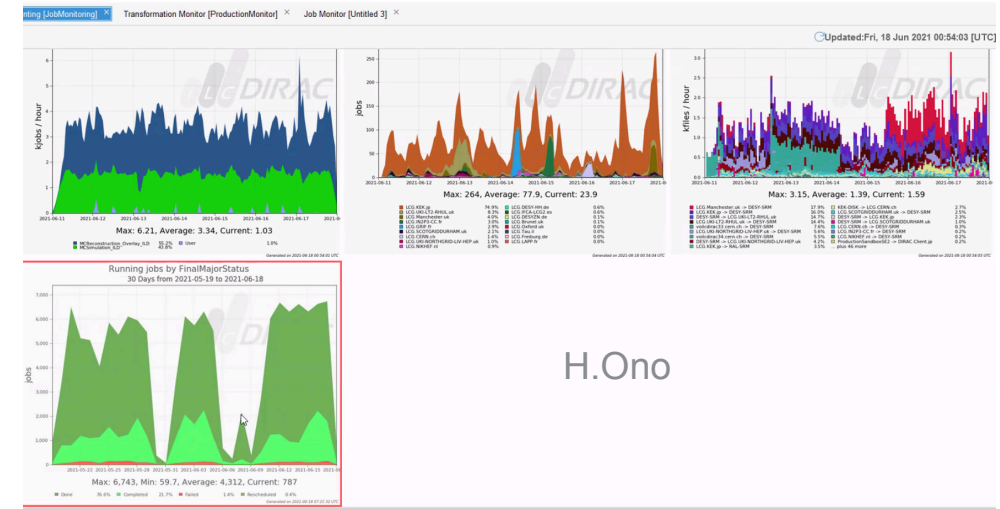
H.Ono, A.Miyamoto

- **2f, 4f, H samples complete statistics done** - except 2f hadronic samples

- moving to finish 2f hadronic samples
 - currently **6-7 k jobs running in parallel**
 - expect **~2 weeks** to finish

- then update ILCDirac ILD production system to **Python3**

- and then address only left out samples
 - 6f samples (small cross section)
 - samples w/ virtual photons (larger cross section)



check status of production at this web page:

<https://ild.ngt.ndu.ac.jp/mc-prod/prodmon/prodsum-mc2020.html>

Regular ILC Software tutorials

organised by IDT-WG3-SW

- organising a series of monthly seminars tutorials
- **Wednesdays**
 - **06:30 PDT / 15:30 CEST / 22:30 JST**
 - 60~90 minutes
- first one will be **later today - June 23:**
 - DELPHES ILC card (Filip Zarnecki)
 - “make your first ILC Higgs plot” (Jenny List)
- second one on **July 21:**
 - Introduction to iLCSoft (Thomas Madlener)
- future candidates: SGV, LCFIPlus, PandoraPFA, ddsim/DD4hep,...
- what do you want to see covered ?
 - send your suggestions to:
ilc-swc-coreATml.post.kek.jp

