Software Coordinators Report

ILD Software and Analysis Meeting
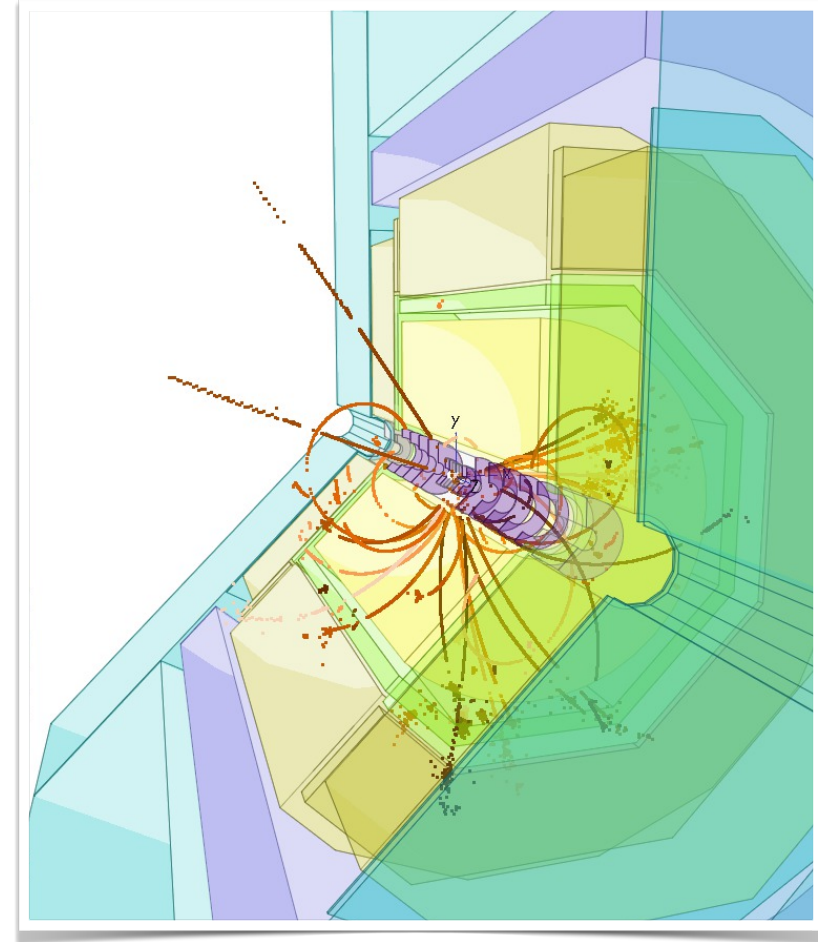
06.12.23

Frank Gaede, DESY

Outline

- Generator
- Simulation
- Reconstruction
- Monte Carlo Production

report from SW convenors meeting last Friday

Generator

M.Berggren

- discovered issue in cuts for recently generated Bhabha samples

- will simply delete the corresponding samples on the GRID-SE

  - and replace with fixed samples

- there are some missing gamma-gamma samples (w/ very low cross section)

  - unclear wether <1k events/file can be processed by prod action system

    - will just try …

- F. Zarnecki: request for light Higgs scalars samples currently studied w/ Delphes - eventually need full simulation, e.g.

  - 5 masses, 2 polarisations, 2 energies

  - -> 20 samples: can we do 50 k/sample centrally ?

  - check w/ other production requests

Reconstruction

T.Madlener

- no major news

- some new tags made for packages in ilcsoft

  - mostly infrastructure changes/patches (cmake, CI, etc....)

  - k4geo: started to rename more consistently

- included in latest key4hep release

Monte Carlo Production

H.Ono, R.Yonamine

- recently upgraded version of DIRAC in ILCDirac

  - need to exercise in ILD production system

  - then continue producing leftover samples

- cleaned up GRID-SE storage

  - deleted unneeded SIM, REC files, etc