Software Coordinators Report

ILD Software and Analysis Meeting
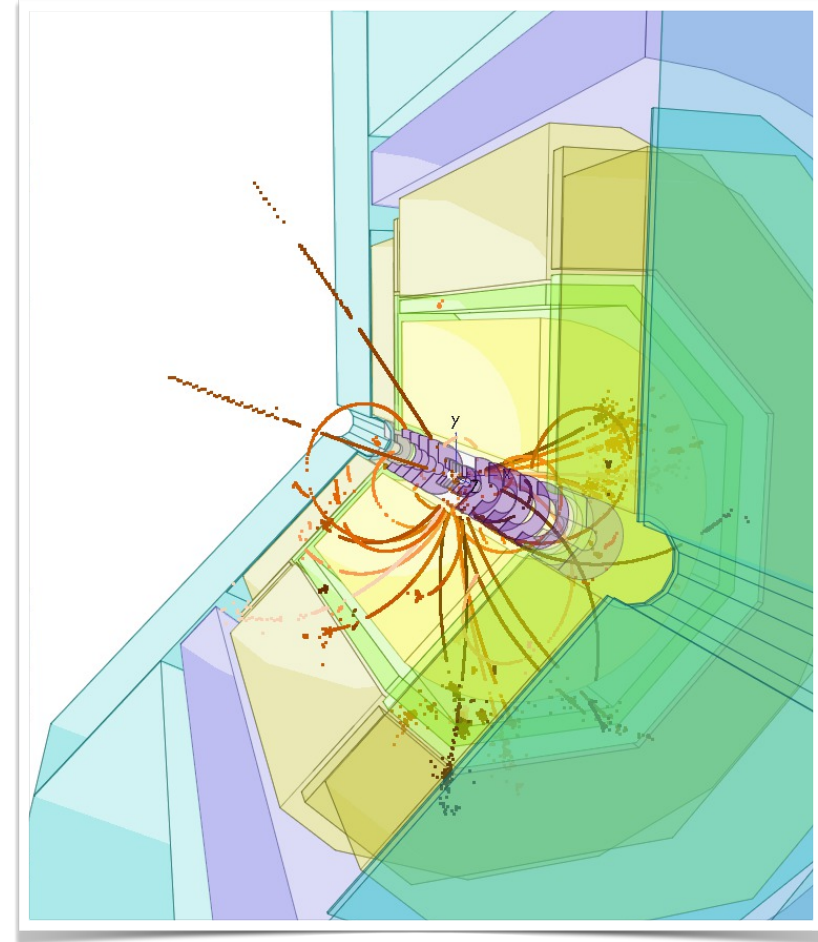
28.02.24

Frank Gaede, DESY

Outline

- Generator

- Simulation

- Reconstruction

- Monte Carlo Production

report from SW convenors meeting last Friday

Generator

M.Berggren

- recently discovered issue in cuts for Bhabha samples generated at 500 GeV:

    - falsely applied cut to enhance large angle scattering region correctly

    - tried to find correct cut and a way to produce more samples w/o double counting

    - seems to be not possible

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

    - and replace with fixed samples

Reconstruction

T.Madlener

- work on transition to Key4hep:

    - created scripts to run ILD standard reconstruction in Gaudi

    - see talk by Thomas today

- also quite some activity in Key4hep

    - finalising EDM4hep for first production release

        - introduced some last breaking changes

        - will be backward compatible from then on

Monte Carlo Production

H.Ono, R.Yonamine

- recently upgraded version of DIRAC in ILCDirac

- some fixes to ILD productions system after ILCDirac update

- will resume production w/

  - aa-2f files for 250 GeV

  - some rare samples aa -> 3f