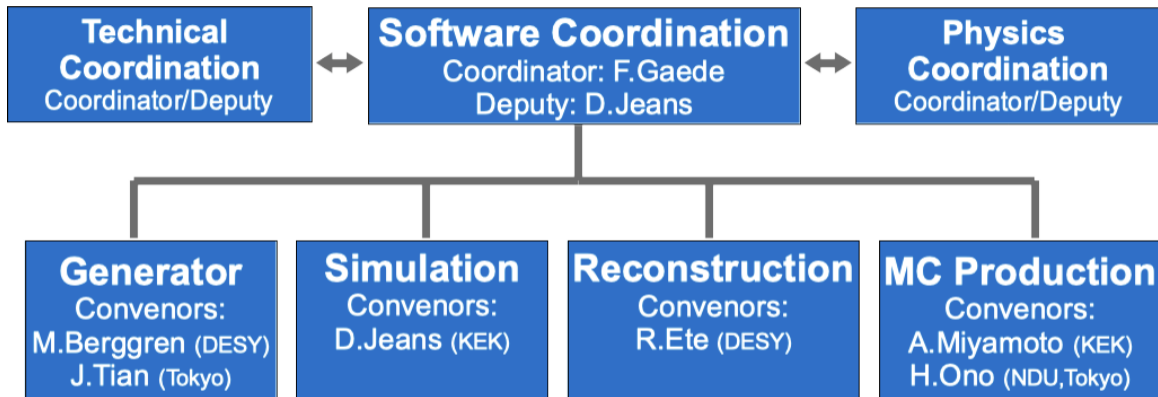


Software Coordinators Report

F.Gaede

ILD SW&Ana Meeting, May 8, 2019

- Generator
- Simulation
- Reconstruction
- Monte Carlo Production
- Preparation of a future 250 GeV production



- **S. Lu has left DESY** and therefore his role as Simulation Convener
- man power situation for software is becoming increasingly difficult ...

- exercised running of Whizard2 for creation of SUSY (MB)
 - need to check polarisation of stau decays
 - used to work in Whizard 1.95
- preparation of 250 GeV production
 - need to revisit the naming convention of physics channels and processes, e.g. 6f has a very large number of different combinations. . .
 - will make proposal and discuss with physics conveners
- started new generation of WW scattering for Jakob's benchmark (JT)
 - additional statistics for high Q^2 region for 3 processes
 - finished integration and started generation of 50 k for each process
 - production will start soon

- nothing to report today
- eventually we need to decide which ILD simulation model to use for the 250 GeV production:
 - ILD_I5_v02 or ILD_I5_v02
 - an optimized and improved version of ILD
 - e.g. with VXD endcap ?

- update of ILDPerformance with performance plots for dE/dx from U.Einhaus

- working on MarlinMT:
 - implemented a scheduler for running events in parallel
 - currently cleaning up and writing documentation
 - still pending:
 - conditions data
 - histogramming
 - MarlinGUI

- request for re-running the BeamCal reconstruction on *WIMPs in mono photon sample* for the large detector model (R.Yonamine)
- started the pre-staging of O(50TB) old *REC*-samples
- AM and HO had meeting at KEK:
 - preparing the additional production request from JT (WW scattering at 1 TeV)
 - preparation of 250 GeV production scripts
- will clean up some broken uds samples on *Grid storage element*