

# Software Coordinators Report

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ILD Phone Meeting, June 6, 2017

- Simulation Model
- JER Reconstruction

- some decisions/developments since Lyon meeting:
  - use **Tesla geometry** for Hcal barrel in MC mass production
    - with *hybrid readout*
    - create also a *hybrid readout* for the Videau geometry
  - make the **Ecal thicker** - towards the *inside*
    - detailed numbers provided by Henry:  $\Delta_{thickness,Ecal} = 30.2mm$
    - discussed in the today's ET meeting
  - leave the **VXD and SIT geometries** *as is* for now
    - continue investigation of VXD cable routing (-> talk M.Berggren)
    - use **pixel readout in SIT** at the digitization level
    - details under study ( time stamping )
  - some progress in bg-simulations
    - study of differences w/ previous results ongoing

- JER with last *official* iLCSoft release with **Mokka** and corresponding *official* steering files: **v01-17-11-p02**
- observe **consistent JER for both models**: ILD\_o1\_v05 and ILD\_o1\_v06
  - yet worse than JER with ILD\_o1\_v06 with semi-private code and configuration
- results reproduced by S.Green w/ *official* reconstruction but *non-standard* ILD simulation:
  - no services, no guard ring in the Ecal, different range cuts
  - investigation continues ...

