Software Coordinators Report

F.Gaede, DESY

ILD SW-Ana Meeting, Sep 23, 2020

Outline

- Generator
- Reconstruction
- Monte Carlo Production

report from *ILD Software Convenors Meeting* today

Generator M. Berggren J.Tian

- Whizard 2.8.5 released:
  - bug w/ transverse tau polarization fixed (disabled)
  - has a minor bug when reading LCIO
    - does not affect us - only use for writing
- J.Tian generated requested flavor tag samples
  - worked w/o problems
  - need to be uploaded to the Grid
- next step: generate Higgs samples and later 6f

- M.Berggren: generator production scripts (2-5f) ready to go
- will start with 83 smaller samples:
  - ~40 w/ very small (seconds for generation)
  - mid-size samples (a few hours)
- then start the large samples (running for weeks)
- meta-data will be only available when jobs are finished
- discussed new processIDs:
  - KEK will start at 400000
  - DESY will start at 500000

should be ready to **start with generation very soon** ...

Reconstruction/production release {R.Ete}

- reminder: v02-02 installed in cvmfs (SL6) and afs (SL6, CentOS7, ubuntu 18.4) :

```
/cvmfs/ilc.desy.de/sw/x86_64_gcc82_sl6/v02-02
/afs/desy.de/project/ilcsoft/sw/x86_64_gcc82_sl6/v02-02
/afs/desy.de/project/ilcsoft/sw/x86_64_gcc82_centos7/v02-02
/afs/desy.de/project/ilcsoft/sw/x86_64_gcc75_ub1804/v02-02
```

- discussion on cvmfs installations:
  - believe that we have a scheme for installing centOS7 (and any other OS) in cvmfs file system using docker containers
  - could try to use **centOS7** for main production
    - (needs to be registered in ILCDirac, overwriting SL6/v02-02)
    - same *aa_lowpt* samples already produced w/ SL6
  - however: there are still a number of SL6 resources and we are still discussing if we start the production with SL6
  - ... to be decided ...

Monte Carlo Production H.Ono A.Miyamoto

- A. Miyamoto finished *aa_lowpt* simulation (using v02-02 SL6)
- will start processing the *flavor tag training* samples

- H.Ono prepared the production system at KEK after upgrade of the KEK-CC
  - resolving a few minor issues reported last meeting
  - should be ready to go