

# software group report

report from meeting on Nov 5

Daniel Jeans, ILC sw/ana meeting 2021/Nov/10

## preparing for new ilcsoft release v02-02-03

a lot of code clean-up, removing warnings, etc [Bohdan, Thomas]

updates of several packages...full details later

tests underway, pre-release available at

`/afs/desy.de/project/ilcsoft/sw/x86_64_gcc82_centos7/v02-02-03pre`

full release out soon

# generator group

- study ongoing on how to sensibly generate processes with initial virtual photon [Mikael]
- inquiry about Bhabha samples from Jonas
  - again non-trivial due to huge cross-section
  - require guidance from physics group on generator-level cuts & required statistics
- 6f samples at 250 GeV mostly done, a few remaining samples [Junping]
- double Higgs samples at 500 GeV: generator samples validated [Julie et al]
  - small (~few MeV) energy-non-conservation in events with taus somewhere in whizard-pythia-tauola interface ?  
not a serious problem
  - will simulate and reconstruct once the new ilcsoft release is out

# reconstruction

[Thomas et al]

issue w/ CERN test of taking afs offline  
affects machines that have /afs/cern.ch/ mounted  
something linked from the gcc82 in /cvmfs/sft.cern.ch

continued investigation of issue w/ reproducibility of standard reconstruction  
tracked down to Clupatra

issue with fastjet on ubuntu