

Software Coordinators Report

ILD Software and Analysis Meeting

16.06.21

Frank Gaede, DESY



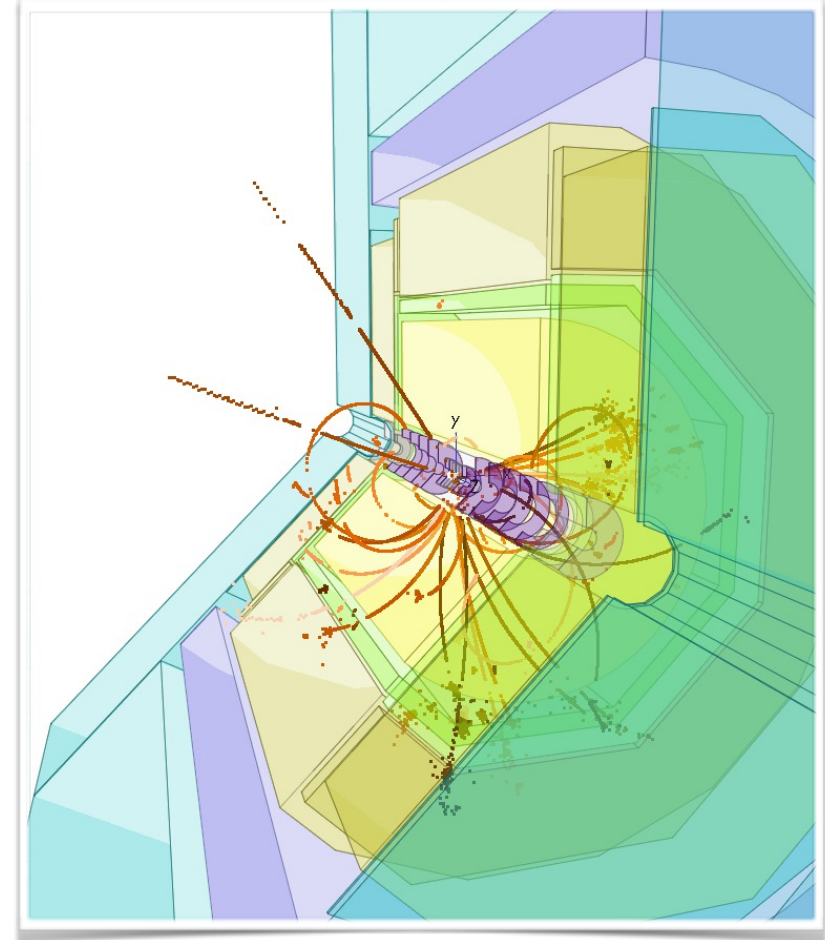
Outline



- Generator
- Simulation
- Reconstruction
- Monte Carlo Production

- iLCsoft patch release v02-02-02
- IDT-WG3-SW: tutorials

no SW convenors meeting since ILD meeting



iLCSoft patch release

v02-02-02

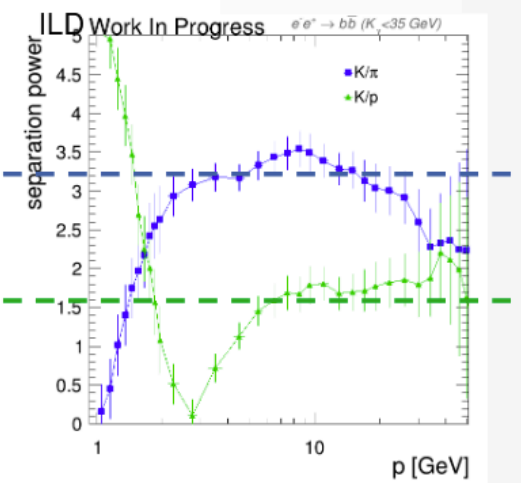
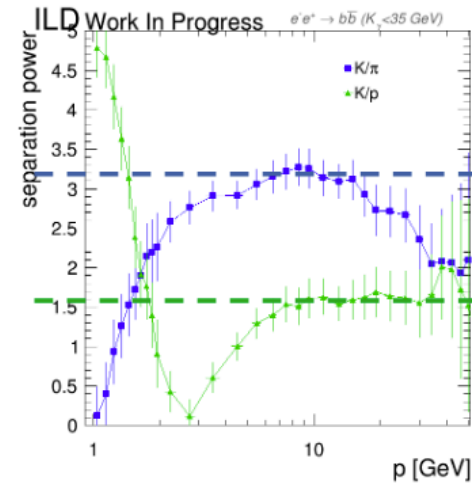
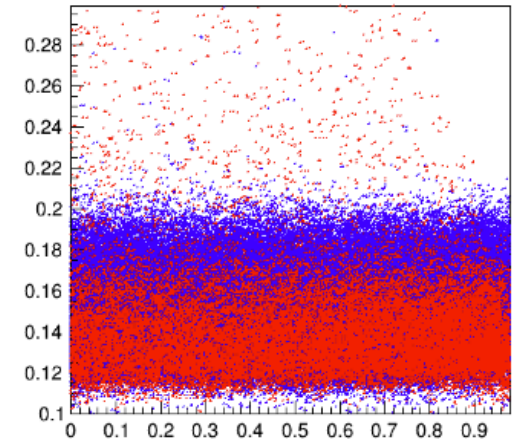
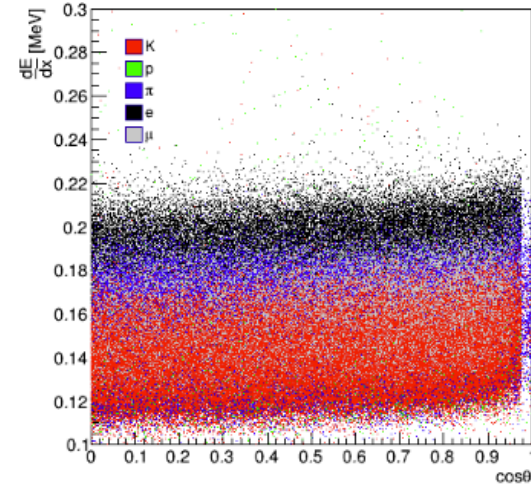


- to be used for analysis of currently produced 250 GeV data set
 - compatible w/ production release v02-02
- features:
 - correction of dE/dx and PID estimators
 - example for producing miniDSTs from DSTs
 - some technical fixes (CI, cmake, file dependencies)
- T.Madlener currently finishing ILDConfig tag
- installed release already available at
 - */afs/desy.de/project/ilcsoft/sw/x86_64_gcc82_centos7/v02-02-02/*
 - cvmfs to follow soon
 - ...

dE/dx corrections

A.Irles, U.Einhaus

- preparation of iLCSoft patch release: v02-02-02
- dE/dx correction for 250 GeV production:
 - **AngularCorrection_dEdxProcessor** (MarlinReco)
- updated **ILDPerformance/dEdxAnalyser.cc** (U.Einhaus)
- updated **LikelihoodProcessor**
 - add new dEdx_PID_vXY objects to PandoraPFOs
- updated **ComputedEdxProcessor**
 - apply smearing before angular correction and changed parameterization of angular correction



Other improvements

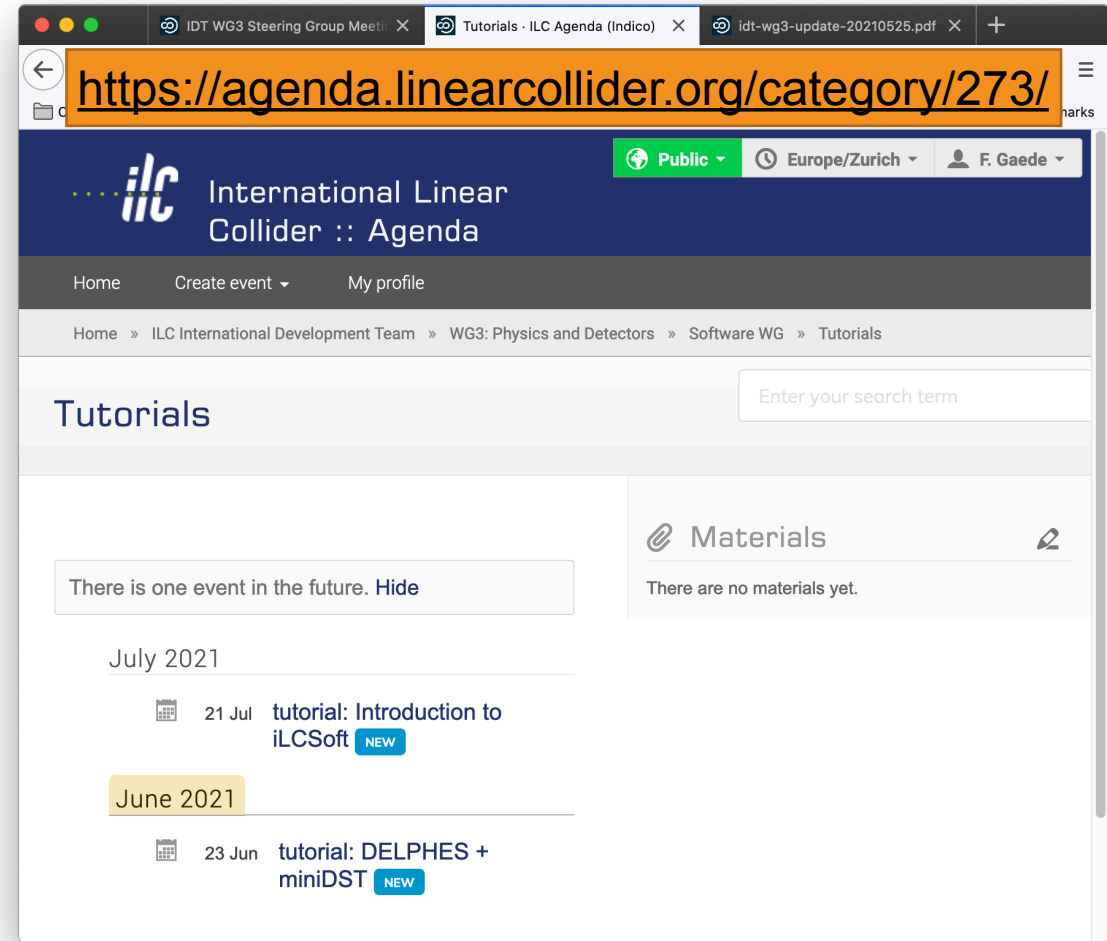
S.Kawada, T.Madlener

- prepared steering file **for creation of miniDSTs** (S.Kawada) from 250 GeV production
 - run HLR tools on DSTs and create miniDSTs w/
 - MCParticle
 - PFOs
 - JETs
 - PID estimators
- one technical issue w/ **TrueJetParser** solved
 - moved to MarlinUtil such that it can be included in other packages as well

Regular ILC Software tutorials

organised by IDT-WG3-SW

- organising a series of monthly seminars tutorials
- **Wednesdays**
 - **06:30 PDT / 15:30 CEST / 22:30 JST**
 - 60~90 minutes
- first one will be on **June 23**:
 - DELPHES ILC card (Filip Zarnecki)
 - “make your first ILC Higgs plot” (Jenny List)
- second one on **July 21**:
 - Introduction to iLCSoft (Thomas Madlener)
- future candidates: SGV, LCFIPlus, PandoraPFA, ddsim/DD4hep,...
- what do you want to see covered ?
 - send your suggestions to:
ilc-swc-coreATml.post.kek.jp



The screenshot shows a web browser window displaying the ILC Agenda website. The URL in the address bar is <https://agenda.linearcollider.org/category/273/>. The page header includes the ILC logo and the text "International Linear Collider :: Agenda". The navigation menu shows "Home", "Create event", and "My profile". The breadcrumb trail is "Home > ILC International Development Team > WG3: Physics and Detectors > Software WG > Tutorials". A search bar is present with the placeholder text "Enter your search term". The main content area is titled "Tutorials" and contains a "Materials" section with the text "There are no materials yet." Below this, there is a calendar view showing two events:

Month	Date	Event Title	Status
July 2021	21 Jul	tutorial: Introduction to iLCSoft	NEW
June 2021	23 Jun	tutorial: DELPHES + miniDST	NEW