iLCSoft release v01-10

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ILD Software WG Meeting

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new iLCSoft release: v01-10

- some new features in release v01-10:

  - Mokka: new silicon tracking and support&services
    - ILD_01pre00 (->talk by Paulo MdF)
  - GEAR: implementation of material properties w/ TGEO,
    - rotation angle for EUTelescope
  - CED, CEDViewer, ... : improved CED event display
  - MarlinReco:
    - KinematicFit: improved version (M.Beckmann)
    - RecoMCTruthLinker: added links to all particles contributing to PFO (M.Berggren)
    - fixed VTXDigitizer and others...
  - include KalTest and KalDet in iLCSoft release
  - include latest released and improved versions of almost all packages:
  - Marlin, LCIO, LCFIVertex, PandoraPFANew, MarlinTPC ....
  - extensions for CLIC CDR added: SiTracking, LepTracking, FTDDigitizer, Overlay

- see Release Notes http://forum.linearcollider.org/index.php?t=msg&goto=2103

iLCSoft release v01-10 - versions:

CED	v01-01		PandoraPFA	v03-02-02
CEDViewer	v01-01		PandoraPFANew	v00-04
CLHEP	2.0.4.2		QT	4.2.2
CMakeModules	v01-10-01		RAIDA	v01-05
CondDBMySQL	ILC-0-9-1		SiliconDigi	v00-04-02
Druid	1.8		StandardConfig	v02-02
Eutelescope	v00-04-04		cernlib	2006
LCFIVertex	v00-04		dcap	1.9.5-5
LCFI_MokkaBasedNets	v00-01		gear	v00-16
Marlin	v00-13-01		gsl	1.8
MarlinPandora	v00-03		lccd	v01-01
MarlinReco	v00-19-		lcio	v01-51-02
MarlinTPC	v00-08-03		mysql	5.0.45
MarlinUtil	v01-01		root	5.27.06 !!
Mokka	mokka-07-06		geant4	9.3.p02
MokkaDBConfig	v02-02		**KalTest**	**v01-00**
Overlay	v00-08		**KalDet**	**v01-00**
			FastJetCLustering	**v00-01**
			Garlic	**v2.0.3**

- packages changed (wrt v01-09)

- **packages added**

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v01-10 installations

- release versions are installed in afs (SL4 32bit, SL5 32/64bit)

/afs/desy.de/project/ilcsoft/sw/XXX/v01-10

XXX: **i386_gcc34_sl4**   # i386 CPU, 32 bit, gcc3.4, SL4 and compatible
      i386_gcc41_sl5   # i386 CPU, 32 bit, gcc4.1, SL5 and compatible
      x86_64_gcc41_sl5   # i686 CPU, 64 bit, gcc4.1, SL5 and compatible

Grid sites with v01-10 installed*

cclcgceli01.in2p3.fr

ce1.bfg.uni-freiburg.de

egeece01.ifca.es

grid-ce5.desy.de

grid10.lal.in2p3

kek2-ce01.cc.kek.jp

lcg-ce0.ifh.de

lcgce02.gridpp.rl.ac.uk

*installation ongoing

send mail to
ilc-vo-support@desy.de
if you need ilcsoft at
your Grid site

binary tar-balls soon
at http://ilcsoft.desy.de

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next steps

- ILD_01pre00 released in v01-10

  - expert model – needs to be verified (and improved)

  - hit maps, overlaps, detector support....

  - to be used to start development/adaption of

    - digitization and reconstruction (tracking)

- (new) standard reconstruction runs !

  - (small patch in Gear for Yoke/Coil needed)

  - results need to be verified by experts !

    - clearly tracking needs attention (new drivers with planar waver vs. cylinders)

    - PandoraPFANew discards tracks (quality cuts?)

    - ...

  - please have a look if you are involved in reconstruction & optimization !

next iLCSoft release

- will likely need patch release(s) soon – depending on feedback from experts – please test it !
  - → v01-10-0X
- already start preparation of v01-11
- to be scheduled for first half of next year
  - (before ILD meeting ?)
  - improve installation and build procedure (Cmake/ilcinstall)
  - improved core tools (LCIO v2 ?)
  - development versions of new tracking ?
  - development version of reconstruction for ILD_01 ...
- need decision on which reconstruction to use for ILD-DBD based on progress in that release
- will have to improve scheduling of release
  - announce on time with dead time for developments (feature freeze) and testing and debugging period

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