

# CALICE

## offline software status

Shaojun Lu

[shaojun.lu@desy.de](mailto:shaojun.lu@desy.de)

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# CALICE v04-04

- Last released CALICE software v04-04:
  - Ready for conversion of test beam 2011:
    - for W-AHCAL at CERN
    - for SiW-ECAL and DHCAL at FNAL
- CALICE conditions database:
  - Ready for reconstruction of test beam with released tag:
    - for 2006/07/08/09/10.
    - for DESY/CERN/FNAL

# CALICE test beam

- CALICE test beam:
  - W-AHCAL test beam at CERN 2011
  - SiW ECAL + DHCAL test beam at FNAL 2011
- data backup
  - all data have been uploaded onto DESY dCache
  - have been duplicated to Lyon GRID storage element

# converter status

- calice\_lcioconv has been updated, and works for both test beam data
- The W-AHCAL raw binary data have been converted into slcio format (raw data)
- The raw binary data, from the combined SiW-ECAL and DHCAL test beam, have been converted into slcio format (raw data)

# reconstruction status

- W-AHCAL test beam at CERN 2011
  - conditions database:
    - mapping from 2011
    - ic, gain, temperature, dead and noisy cell extracted from 2011
    - only mip from CERN 2007
    - reconstruction: with the “HEAD” tag
- SiW ECAL + DHCAL test beam at FNAL 2011
  - conditions database have been created
  - reconstruction is commissioning

# developing version

- The developing version has been adapted to ilc v01-11.
  - source in the trunk of SVN server (global access)
  - source in the git repository at DESY
- All the calice software package: (include experts' SW)
  - CMakeList.txt has been updated
  - uninstall are available
  - build with next release ilc soft v01-12pre (tested)

# software installation

- AFS/NAF binary installation (DESY):
  - AFS s14 32bit
  - NAF s15 64bit
- GRID binary installation (for global users):
  - s14 32bit for the convertor jobs
  - s15 64bit for reconstruction jobs

# software integration status

integrate to ilcsoft Marlin Framwork, Mokka simulation, Marlin digitization

	Marlin conv	CALICE db	Marlin reco	Mokka sim	Marlin digi
SiWEcal	Y	Y	Y	Y	Y
ScEcal	Y	Y	D	N	N
AHcal	Y	Y	Y	Y	Y
US DHcal	Y	Y	D	N	N
SDHcal	-	U	U	N	N

YES	Developing	Exist/No	Unknown
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# software for advance users

- Where to download calice software:
  - <https://svnsrv.desy.de> (global access)
  - <https://twiki.cern.ch/twiki/bin/view/CALICE/SoftwareNews>
- `svn co https://svnsrv.desy.de/public/calice/calice_userlib/trunk calice_userlib`
- How to make a local installation:
  - <https://twiki.cern.ch/twiki/bin/view/CALICE/HowToInstallAndCompileCALICEPackages>
- If you also need ilc software for your local installation, you may also get help from CALICE wiki software page.

# administration news

- CALICE VO has migrated into the new server
- Only the active CALICE VO users have been migrated into the new server.
- If your CALICE VO was expired, please update your GRID certificate, and apply CALICE VO again from the CALICE VO server.

CALICE: <https://grid-voms.desy.de:8443/voms/calice>

# summary

- More detail progress about each detectors, will be presented by each group from the following talk.
- ScEcal integration status by Katsu
- US DHcal simulation update by Jose
- SDHcal software status by Gerald
- Mount Carlo mass production:
  - requests and status by Lars