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CALICE Software

This page is intended as entry point for any question related to the CALICE software and other topics (ILC software, Mokka, GRID).

- Contact persons
- Calice analysis page (analysis guidelines, notes, talks)
- eLogbook (2006 as pdf ; 2007 as pdf)

News

TransferToDIRAC

How to

- How to install and compile ILC software packages
- How to install and compile Mokka
- How to install and compile CALICE packages
- How to work with the GRID
- How to update database

General information

- Software news, CALICE software versions
- Bug reports
- FAQ

Test beam software

- CERN 2010

CALICE conventions

- Coordinate system
- Tracker hit index
- Run number ranges
- Software packages, versions, and compatibility

Simulation of ILC detectors and Calice prototype

- The MOKKA web page
- How to generate CALICE events with Mokka
- How to digitise CALICE events generated with Mokka
- General: How to run Mokka (DESY flc wiki)
- Models available in Mokka
- Sketches of the geometry coordinates for the Calice testbeams
- Monte Carlo production
- HCAL in Mokka: HCAL for the ILD and the CALICE HCAL prototype

Frameworks and Tools

- Review of CALICE software strategies: Agenda (with slides)
- Calice LCIO Converter Code
- Calice Userlib code + Documentation
- Reconstruction code, additional AHcal documentation , some instructions on tracking
- DigiSim (digitization framework)
- CVS Repository for Calice software; Web access to CALICE repository
- Analysis tools: RootTreeWriter
- ILCSoft European portal for ILC software; American and Asian equivalents.
- LCIO (persistency framework)
- LCCD (conditions data, based on CondDBMySQL)
- MARLIN (reconstruction/analysis framework)

Mailing list; meetings; Wiki

- Send to CALICE-SW mailing list
- Archive of CALICE-SW mailing list
- Calice Analysis meetings ..... Calice Software meetings ..... Old meetings on CDS
- Calice Wiki and a Wiki at DESY (mainly AHCAL topics at present).

Reconstruction and Eflow

- REPLIC Reconstruction Package for the LInear Collider
- gNIKI Calorimeter Reconstruction using Minimal Spanning Tree
- MarlinReco Marlin reconstruction and Particle Flow
- pandoraPFA Marlin Particle Flow (Mark Thomson)

Experts' corner

- Hints on running the converter

-- AngelaLucaciTimoce - 01-Mar-2011

This topic: CALICE > SoftwareMain
Topic revision: r37 - 2023-01-20 - GeraldGrenier