

# Software News

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# New CALICE Software Version v03-01

- Released in SVN
- Uses latest ILC software version (**v01-08-01**)
- Shaojun created the tarball for the grid
- Most important changes:
  - **new AHCAL reconstruction** (see talks in last analysis meeting)
  - ***calice\_run* ensures usage of the same calibration constants for data reconstruction and Monte Carlo digitisation**

<i>calice_cmake</i>	v01-01
<i>calice_run</i>	v02-00-04
<i>calice_userlib</i>	v05-01
<i>calice_reco</i>	v05-01
<i>calice_sim</i>	v01-13

- **Relation between simulated hits (`SimCalorimeterHits`) and reconstructed hits (`CalorimeterHit`)** - question from Michele
- Not possible directly (only between `RawCalorimeterHit` and `CalorimeterHit`)
- Can be make via `LCRelation`
- For TCMT: this is possible, Guilherme will provide example code
- For ECAL: see Kaloyan's talk
- For HCAL: unclear, I'll check it

# Central Mass Reconstruction

- Done in the last months by Alexander Kaplan, **by user requests**
- Reconstructed runs available on the grid

## Future plans

- **Kaloyan** (Roman) and **Amjad** (Daniel) offered support for running **central mass production** on the grid
- Paul and Daniel need reconstructed runs for tracking alignment
- As an exercise, Kaloyan and Amjad will start with a set of FNAL08 runs
- Time scale: unclear
  - depends on how fast the system is set up
  - alignment needs several iterations (to make sure that the ECAL, HCAL are aligned, check for jumps, etc)
  - should we wait for the alignment to be ready?
  - depends on user request and priorities (upcoming conferences, etc)