

## ECL: recent activity

B. Oberhof LNF-INFN, Italy

Italian ECL Meeting

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## Pure Csl

- The full refactored (i.e. > release-00-07-00) reconstruction chain for pure CsI has been developed and will be in release-00-01-00
- The changes involve many modules hence I suggest to update full ecl package, no changes were made to the digitizer
- An example scripts to run a simulation and dump pure CsI info is provided: ecl/examples/EclPureCsI.py
- No optimization has been done for the clustering algorithm for pure CsI, pure CsI clusters are produced in 2 types (hyp. 5 and 6) in exactly the same way as CsI(TI)
- Pure CsI clustering seems to privilege larger clusters and is in general more robust against the choice of the algorithm
- Some results about performance shown at last B2GM:

https://kds.kek.jp/indico/event/25459/session/17/contribution/316/material/slides/0.pdf

## Other activities and outlook

- Pure CsI: for the time being no further development is foreseen @LNF
- Ongoing ECL SW activities @LNF:
  - EclSplitterN2: delayed because of other priorities for release-00-01-00, logic already agreed on, based on best resolution on KL direction, needs some final work to be committed
  - Use of PSD (Pulse Shape Discrimination) information in clustering for neutral hadron ID is the next topic on the list
- Not strictly ECL, but related -> K L0 list, joined effort:
  - ECL reconstruction: PSD (S. Longo), eclSplitterN2 (B.O.)
  - ECL+KLM likelihoods (J.F. Krohn)
  - Analysis: construction new K\_L0 particle list and testing (B.O.)
- Lately some fixes in validation scripts because of repeated failures
  -> will be taken over by Elisa