SiW ECAL Software Status

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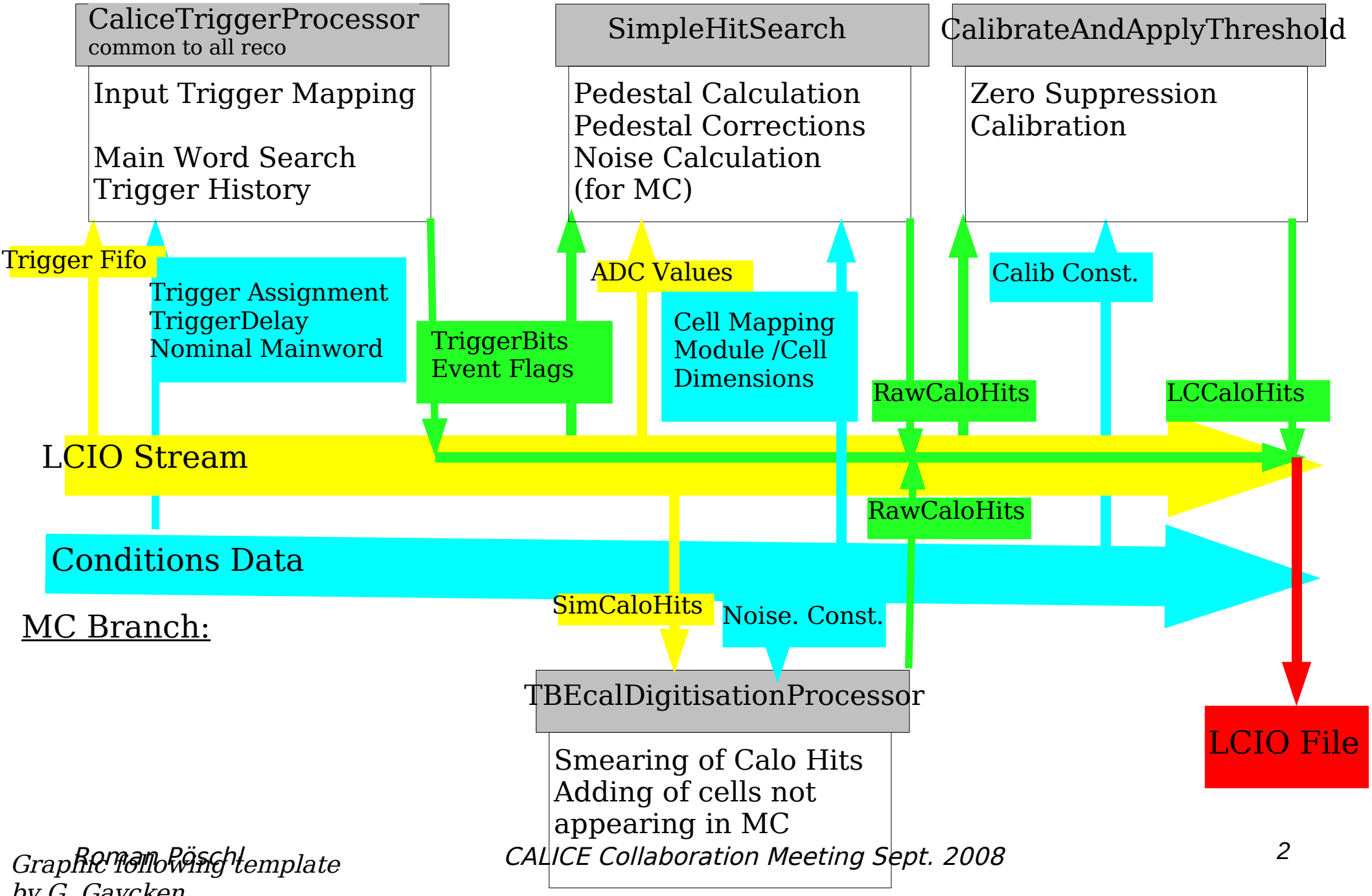
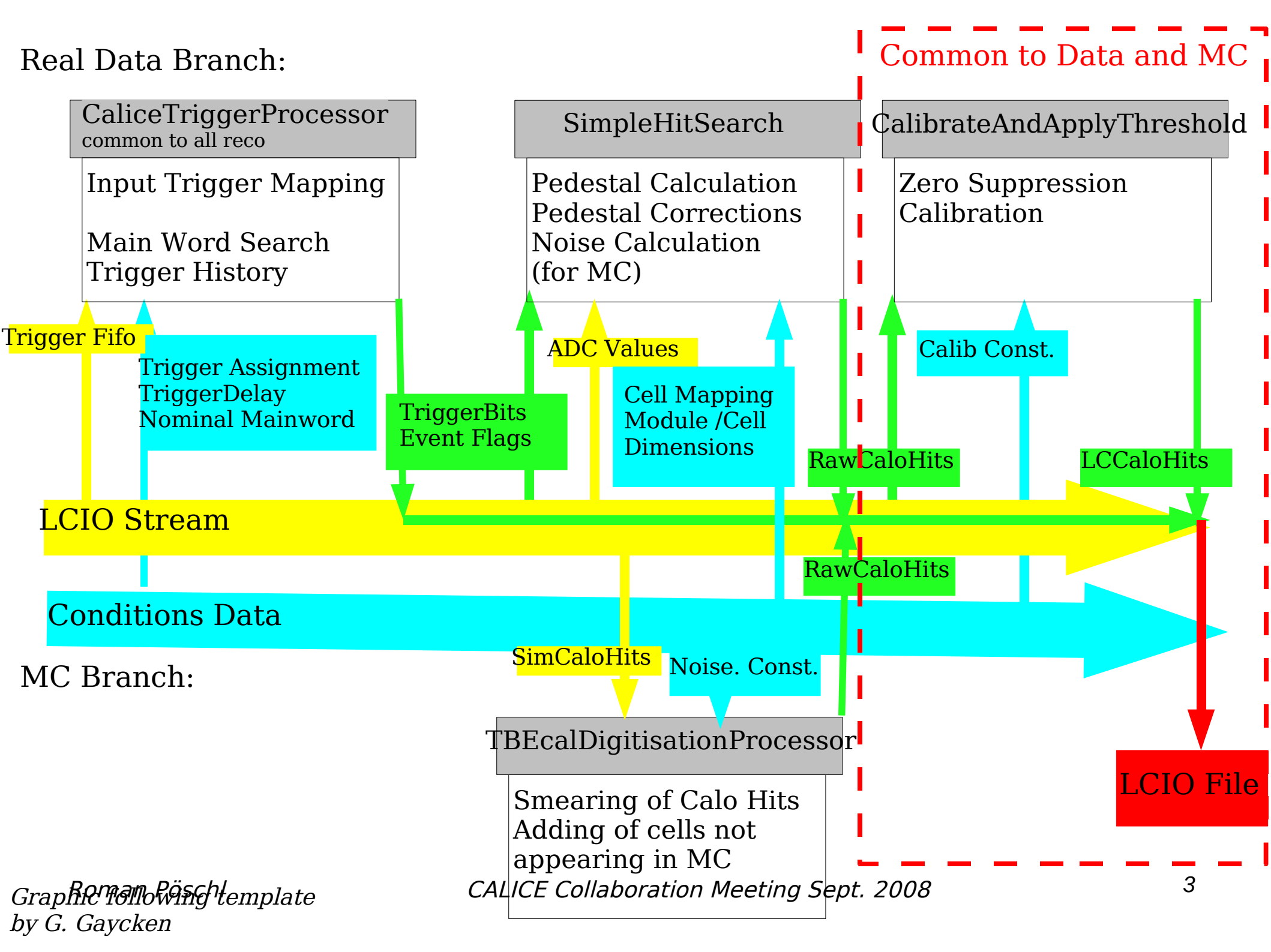
- Reminder on Data Processing Chain
- Status and Outlook

CALICE Collaboration Meeting Manchester/UK Sept. 2008

Example for Data Processing - SiW Ecal



Graphic following template by G. Gaycken



Graphic following template
by G. Gaycken

Status and Outlook

Status:

- SiW Ecal Software/Reco works for DESY/CERN/FNAL
  "real" Data and MC out of the box
  (provided the calice db is updated properly)
  -> Has been used for initial offline DQ Checks of FNAL Data
  MC Reco Files with digi steps applied do exist and have
  been looked at

Open Points:

- Extension of Digi Step to Square Events
- Possibility to study Pedestal Shift Correction in MC
- Adaption of SiW Software to software modifs
  motivated by the s/w review

Manpower:

- R.P. For maintenance work
- ? for heavy code development
- Prague group (Michal) volunteered to look at digi step
  No confirmation yet

Summary and Outlook

- Calice uses ILC Software for processing of Testbeam Data

ILC Datataking in a (big) nutshell
Very important input for current and future developments of ILC Software
Allows for a revision of the ILC Software concepts on a 'living' beast
Consistent application of ILC Software allows non experts for an easy startup

- Calice uses systematically Grid tools

First (and only?) R&D project within ILC effort
24h/24h 7h/7h during CERN testbeam

- Database indispensabe for data integrity

Creates some thrshold for users
However, all studies can be performed with existing (but maybe imperfect) tools
Users have to be ready to use these tools

- Different sources of information for simulation

Efforts to solve this issue are ongoing

- Organised software approach compromises 'publication speed'

But Calice is experiment with 20000 cells and 230 Collaborators (~HERMES)

- Lack of Documentation for sure