



SiW Ecal in DBD



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General remarks - Structure

There is only **one** Ecal section in the DBD => Need to harmonise efforts of silicon and scintillator variant

Authors: J.C. Brient, K. Kawagoe, T. Yoshioka, T. Takeshita, R.P.
and feedback from the engineers which build the system (See Ecal session)

Structure of Section

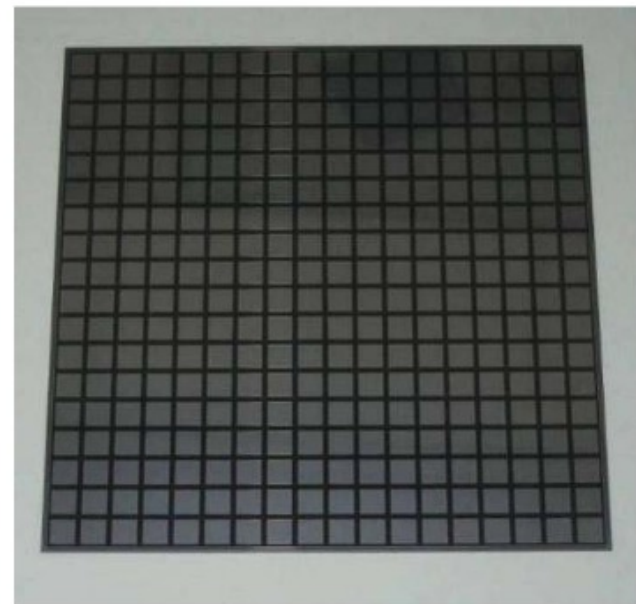
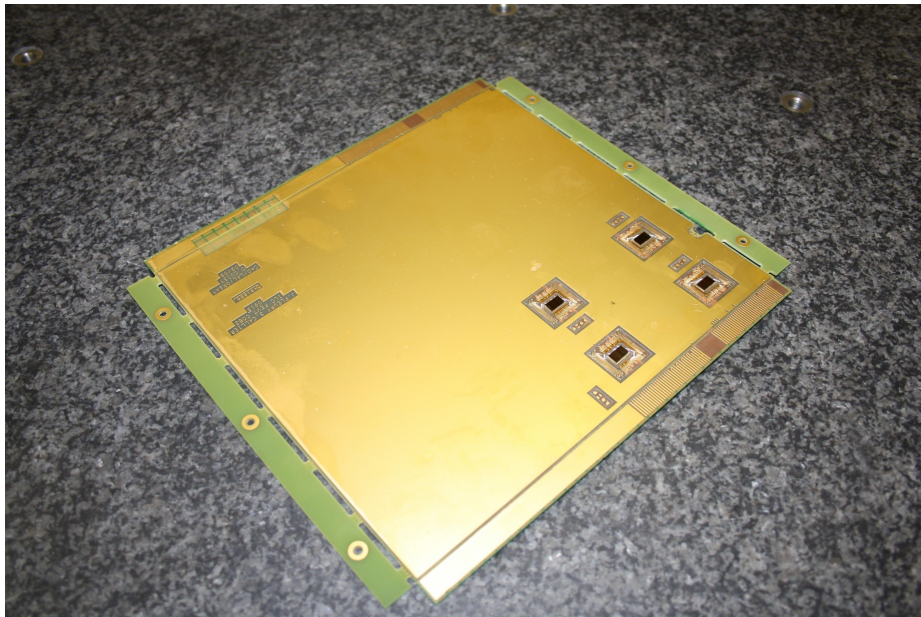
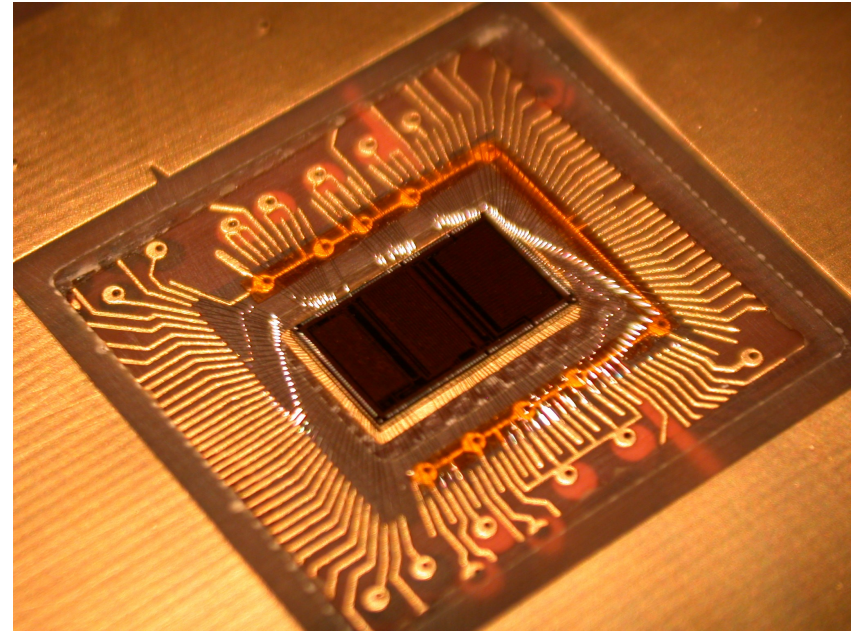
- 1) Design Concept
- 2) Detector implementation
- 3) Detector optimisation
- 4) TB validation
- 5) Calibration and alignment
- 6) Outlook

General remarks - Contents

Won't dwell on details

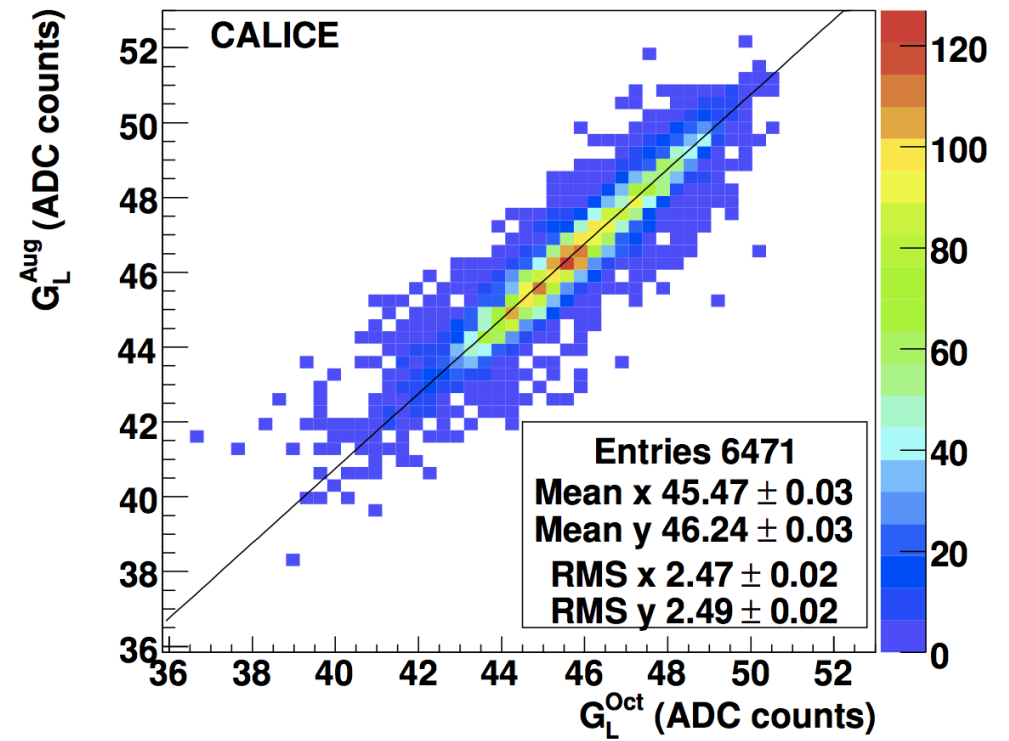
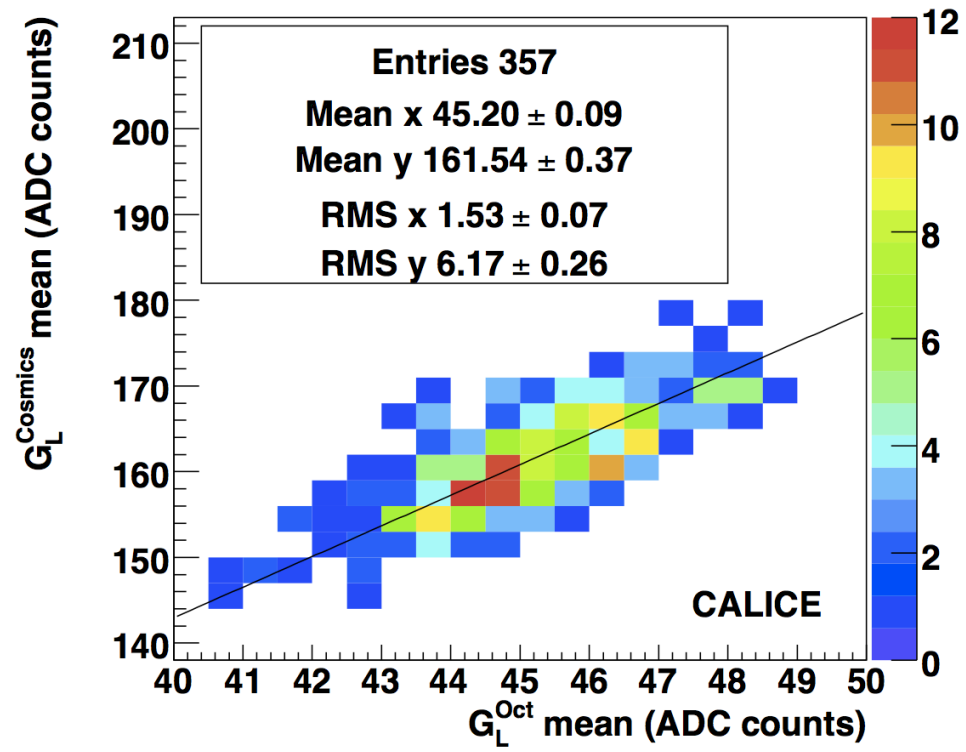
- Common items like description of ASICs 'outsourced' to general section
→ However, performance plot in Ecal section
- Reminder DBD is rather oriented towards technology readiness
- Si Ecal text gives more room for achievements on engineering
Alveolar structure, PCBs
- Items which might be important for judging on operability of
detector, e.g. ease of calibration
- GEANT4 validation only in form of text with references to the corresponding
publications

Engineering achievements



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Calibration



Layer numbers

