What are we doing/want to do

@ IFCA

- April 2006 Partner of EU project EUDET (R&D on detector for ILC)
- July 2006 National Program approved.

- So far, concentrated on silicon tracking:
  - Laser based silicon alignment. (on progress)
  - FE electronics for uStrips (getting ready, concrete collaborations, recruiting people…)

Activities….

- New EUDET contract started mid-September (few months delay)
  - Currently at CMS: Know-how from Silicon HW alignment.
- Preparation/purchasing of bench test at Santander:
  - Lasers, mechanics, electronics.
  - Optically treated modules not yet available (several options under consideration)
  - Ready by 1st Quarter next year.
- 1st Test Beam at DESY 6 GeV electrons (16 Oct – 3 Nov)

SiLC Prototype Modules

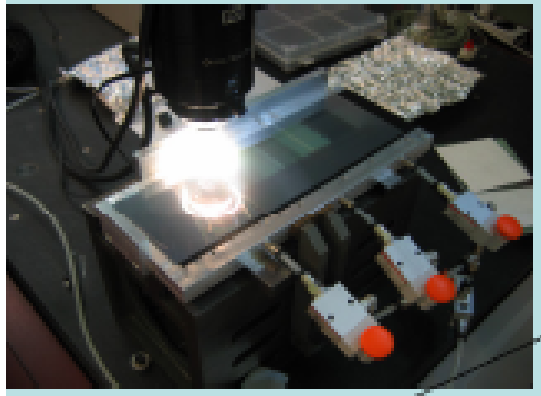
30 cm ladders

- 2 new ladders with 3 9-cm CMS sensors each, i.e. 28 cm strip length one equipped with VA1 chips (for a comparison) and the other with SiLC UMC 180 nm chip
  - This module was built in Paris

Long ladder

- a new prototype with 10 GLAST sensors, i.e. 90 cm strip length equipped with VA1 and SiLC UMC 180 nm chip
- This module was built in in collaboration of Karlsruhe and Paris (with help from CERN)

Detector prototypes: CERN (A. Honma et al.), IEKP-Karlsruhe, LPNHE-Paris, IEHP-Vienna, Hamamatsu



Assembly

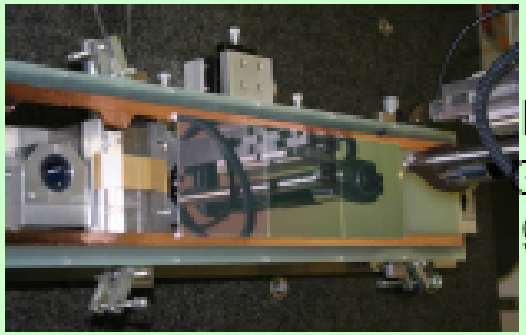
3 CMS sensors 28 cm strip long

Read out:

VA1+180UMC r.o and all VA1 r.o.

2 modules fabricated in Paris, bonding CERN on automated CMS system (Collab CERN-LPNHE)

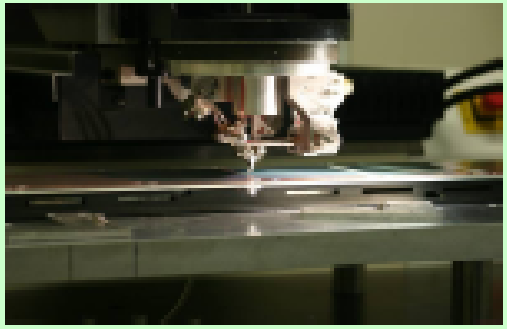
Ready by September 25th

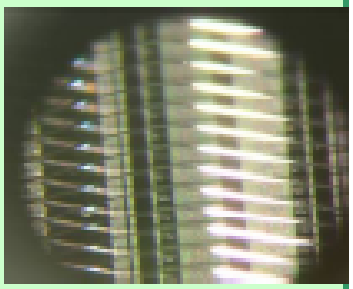


Assembly:

Module = 10 GLAST sensors 90 cm strip long

Bonding

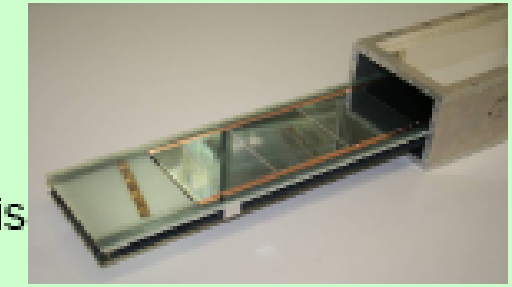




The full construction done at IEKP

R.O.

Pitch adapter + VA1 + 180UMC provided by Paris



Ready by September 25th