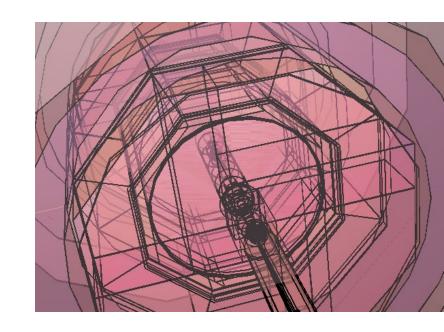
ILC test beam workshop
Preparatory meeting 26 May 2009



Marcel Vos (IFIC - U. Valencia/CSIC)

Specific requirements

Specific requirements from VXD and silicon tracker collaborations:

Excellent spatial resolution of devices under test.

- Precise telescopes (EUDET of proprietary)
- High-energy beams (CERN NA, rather than DESY)

Magnetic field

Large-bore high-field magnet available?

Large number of collaborations:

Lots of beam time

The CERN SPS North Area

Test beam periods for R&D on silicon tracking & vertexing during summer 2009 in the CERN SPS North Area (includes LHC upgrade work)

May 18 – june 3: 3DSi May 25 – May 31: MonoPix June 7 – June 20: SiTRD

June 18 - June 25: RD42

June 20 - June 26: ATLAS - gossip June 25 - July 1st: ATLAS diamond June 29 - July 13: CMS Si-Upgrade

July 23 – 5 August: EUDET
August 5 – August 12: DEPFET
Augst 12 – August 19: LCFI

August 19 - August 30: SiLC

September 7 - Sep 13: ATLAS diamond

September 14 -: MediPix September 24 - Oct 1st: RD42

October 22 - Nov. 4: ATLAS 3DSi November 4 - Nov. 12: MonoPix

Combined TB

Useful combinations can be (and some indeed has been) made:

- Silicon-TPC (DESY, EUDET MEMO 2007-28) SiLC/HEPHY Viena
- Silicon-alignment system SiLC/IFCA
- Full tracker slice (in magnetic field)
- Tracker-Calorimeter

Requires common DAQ (at some level). EUDET? Requires significant coordination...