

# CALICE beam tests

- **Fantastically** successful beam test at CERN this summer
  - Yoshi will give a report on this shortly
  - UK easily pulled its weight in terms of **shifts** so thanks to those who helped
  - Many thanks to **Fabrizio**: as co-run coordinator he did an amazing job
  - Most impressive number: we took **>80%** of available beam as beam data
- World tour continues in **FNAL** in 2008
  - Equipment currently at DESY for repair
  - Will arrive at FNAL in **Feb 2008** (hopefully in one piece)
  - Si-W ECAL, AHCAL, TCMT for ~two months (low E, cross-check)
  - Sc-W ECAL, AHCAL, TCMT for ~three months (full program)
  - Si-W ECAL, DHCAL, TCMT for ~three months (full program)
- But all depends on **production** of ECAL and DHCAL modules
  - Si-W **really** should be complete (this time!) and Sc-W seems under control
  - **DHCAL** in particular now seems unlikely to be complete before end 2008

# LCWS R&D Review

- **Draft report** only available privately so far
  - But thought to be quite close to final; may be released at [ALCPG](#)
- Generally, extremely **positive** (about CALICE at least!)
  - “The committee is impressed by the exceptional quality and the enormous collaborative effort”
  - “The test-beam program...is of the highest relevance for the design and construction of an ILC detector”
  - “Groups unable to test...on this scale will have little chance of being selected as a technology for the final ILC detectors”
- But also a few **warnings**, some relevant to the UK
  - “The collaboration needs to define a procedure and goals for the test beam data in order to aid the convergence on final detector choices”
  - “More effort is needed to understand the full potential [of MAPS]”
  - “The [SiD ECAL] beam tests should be prepared and performed in close collaboration with CALICE”

# Detector concepts

- Clearly an **important** time in this area
  - LOIs (LsOI?) due towards end of 2008, EDRs due in 2010
- We will have to get **more involved**
  - Individual groups will decide which of ILD or SiD to get involved in
  - CALICE-UK work would ideally be presented in **both**; the R&D should be concept-independent to a large extent
  - The ILD meeting tomorrow is a step in this process; **please stay** on for this if you can
- Probable UK will have **joint** LCFI/CALICE/SiD/ILD meetings
  - Forum to pool resources, results, technical software know-how, etc, to make best use of the effort we have available
  - Allows the UK to make an **informed choice** about detector performance
  - Potentially these meeting could be every **~two weeks**
  - Decisions on the details to be made at LCUK in Liverpool next week

# Upcoming meetings

- **ILC** meetings
  - US region meeting (ALCPG), FNAL, US, 22-26 Oct 2007
  - Asian regional meeting (ACFA), Sendai, Japan, 3-6 Mar 2008
  - European regional meeting (ECFA); Warsaw, date TBA
- **Detector** concepts meetings
  - ILD (a.k.a. GLDC) meeting, Cambridge, 21 Sep 2007
  - SiD, ILD meetings during ALCPG in Oct
- **LCUK** meeting
  - General meeting, Liverpool, 25 Sep 2007
- **CALICE** general meetings
  - Argonne, US, Feb/Mar 2008
  - UK to bid for Manchester, Jun/Jul 2008 (but also interest from Lyon)
- **CALICE-UK** meeting
  - RHUL, Mar 2008