



Asian status/plans on testbeams

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Summary of testbeam facilities (shown at Paris LCWS04)

KEK PS	0.2 – 4 GeV	e, m, pion, K, p, p-bar	– Summer 2005
KEK Linac	0.1 – 4 GeV (>8 GeV?)	e, muon(?), pion, K, p, p-bar(?)	Fall 2006 –
IHEP-Beijing	0.2 – 1.2 GeV	e, pion, p	Available now Users welcome
J-PARC	0.2 – 2 GeV (>10 GeV?)	e, muon, pion, K, p, p-bar	2008 – Pressure welcome
Tohoku STB	0.06 – 1.2 GeV	e, tagged-g	Available now Users welcome

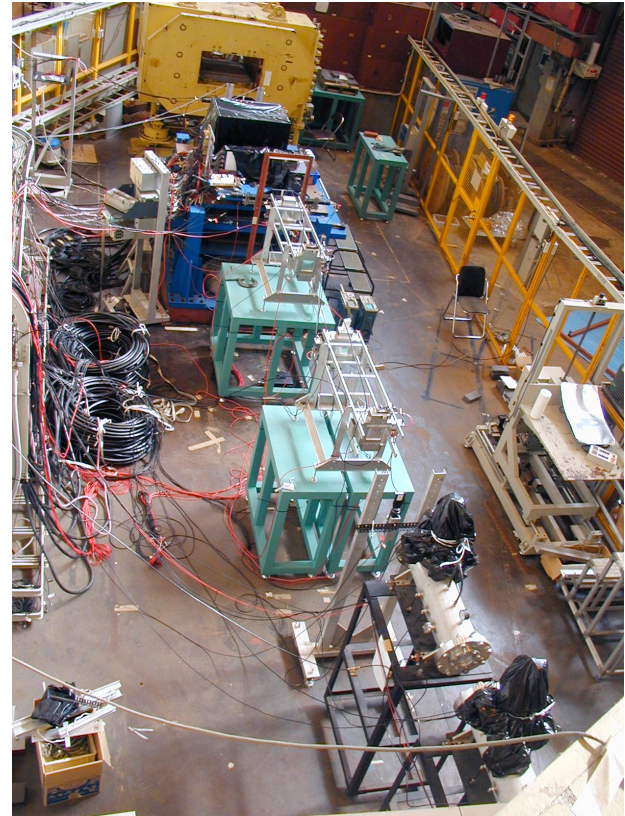


Updates since Paris

- n We still expect 2005 summer runs at KEK PS.
- n Although some delay is inevitable, we still expect the testbeam facility at J-PARC to run from 2008.
- n At the meantime KEK-linac (from Fall 2006) is very important.

Tsukuba Drift Chambers (DCs)

- n Tsukuba DCs:
 - 4 sets of single-sensewire drift chambers, each having an x-plane and a y-planes.
 - Gas Ar:Ethane=50:50
 - Max. drift length=72mm
 - Resolution ~ 180microns
- n They have been used for our many beam tests at KEK, FNAL, and DESY.



Tsukuba DCs for the DESY testbeams (CALICE EM, 2004-2005)

- n There was a request from DESY group.
- n Tsukuba-U (Prof. S. Kim) kindly agreed to lend the DCs for the testbeams (half a year)
- n Some expert(s) from Japan must be sent to DESY for the commission the DCs.
 - .. A well-trained student + a staff
 - .. One week ~ 10 days stay at DESY
 - .. When should we send them ? In November after Taipei?

Our testbeam studies

- n Our testbeam studies for the Pb+Sci compensating calorimetry are completed.
 - “ HCAL results have been already published.
 - “ Some papers for ECAL are being prepared.
- n New CAL design for “the Large detector”
 - “ W+Sci with SiPM analog readout for ECAL
 - “ Pb(Fe)+Sci with SiPM digital readout for HCAL

Possible schedule (very very preliminary)

n 2004-2005

- Design optimization
- R&D of SiPM
- R&D of readout electronics

n 2005-2006

- Construction of an **ECAL** test module
- Tests with Cosmic-rays

n 2006—

- Testbeam studies of the ECAL test module “standalone”
- Testbeam studies in combination with HCAL



Conclusions

- n After shutdown of KEK PS, we will have two new testbeam facilities in Japan.
- n Tsukuba DCs for the DESY testbeams
- n Planning testbeam studies for new calorimeter design.