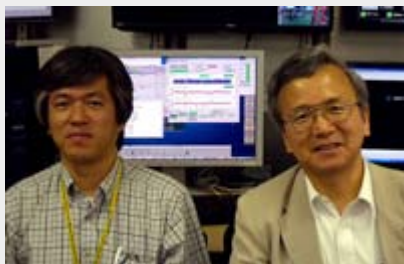


Around the World

From Fermilab Today: Fermilab-designed beam position monitors go to KEK



KEK collaborators Nobuhiro Terunuma and Junji Urukawa sit next to a display of the first ATF beam orbit measured by the Fermilab-designed BPM system.

Last May, in only two weeks' time, a team of Accelerator Division Instrumentation Department employees installed, powered, debugged and started up a brand new, home-made beam position monitoring system at KEK's Accelerator Test Facility. It worked flawlessly.

"I'm very happy with the BPM's operational performance just after installation," said KEK physicist Nobuhiro Terunuma. "It was a result of the professional work by our Fermilab colleagues."

[Read more...](#)

-- Leah Hesla

Calendar

Upcoming meetings, conferences, workshops

[First Baseline Assessment Workshop](#)
KEK, Tsukuba, Japan
7-10 September 2010

[XXV Linear Accelerator Conference \(LINAC10\)](#)
Tsukuba, Japan
12-17 September 2010

[Topical Workshop on Electronics for Particle Physics \(TWEPP-10\)](#)
Aachen, Germany
20-24 September 2010

[Symposium on the Superconducting Science and Technology of Ingot Niobium](#)
Jefferson Lab, Newport News, USA
22-24 September 2010

[1st International Workshop on Accelerator-Driven Sub-Critical Systems & Thorium Utilization](#)
Virginia Tech, Blacksburg, Virginia, USA
27-29 September 2010

[19th International Spin Physics Symposium \(SPIN 2010\)](#)
Jülich, Germany

Feature Story

From KEK Highlights: Never lost in translation



Dr. Philip Bambade from LAL at the ATF2 beamline. Image: Nobuko Kobayashi

Every day, KEK welcomes scientists and students from around the world. Some of them come here as collaborators who work on the international projects and programmes using cutting-edge facilities at KEK. Some visit as users who wish to use the beamlines at the Photon Factory to look into the smallest worlds. Many graduate students will write up their hard work here into their thesis. Many of them stay only days or weeks, but some of them stay longer to concentrate on the R&D for months or even years, like Dr. Philip Bambade from LAL in Orsay, France.

[Read more...](#)

In the News

From *Irish Medical Times*
10 August 2010

Black holes and the God particle
The Large Hadron Collider may revolutionise our understanding of nature, from tiny atoms to the entire universe, writes Marie-Catherine Mousseau
[Read more...](#)

From *MIT news*
6 August 2010

Stringing together a picture of superconductors
MIT physicists use an offshoot of string theory to describe the strange behavior of superconducting materials.
[Read more...](#)

From *Cosmos*
5 August 2010

To boldly go: my life in physics
What's it like to live your life as the ringleader of obscurity? Stephen Hawking – renowned cosmologist, celebrated physicist and bestselling author – describes his journey of inspiration and discovery.
[Read more...](#)

From *nature*
4 August 2010

Physicists get political over Higgs
A storm is brewing round the scientists in line to win the Nobel prize for predicting the elusive particle.
[Read more...](#)

Director's Corner

ICHEP opens the LHC era

The 35th International Conference on High Energy Physics (ICHEP10) held in Paris provided a first glimpse at results from the Large Hadron Collider. The very good control over machine



The 35th International Conference on High Energy Physics

commissioning and the speed at which so many LHC results were produced portends very well for the future. The ICHEP conference broadly covered the field of high-energy physics from new limits on the search for the Higgs from the Tevatron to reviews of future technology and projects. Many other events surrounded the scientific programme, including an [opening speech](#) by Nicolas Sarkozy, President of the French Republic, and a special "[night of particles](#)."

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

Image of the Week

The first ever global Particle Physics Photo Walk



Some 200 amateur photographers went wild at five of the world's particle physics labs last Saturday. They took part in the world's first global Particle Particle Physics Photo Walk at KEK, CERN, DESY, Fermilab or TRIUMF. Find out more about the Photo Walk [here](#) or see first pictures [of the participants](#) and [by the participants](#). The winners of the global competition will be announced in October.

27 September - 2 October 2010

[EUNET Annual Meeting 2010](#)

DESY, Hamburg, Germany

29 September - 1 October 2010

Upcoming schools

[Fifth CERN-Fermilab Hadron Collider Physics Summer School](#)

Fermilab, Batavia, IL, USA

16-27 August 2010

[Fifth International Accelerator School for Linear Colliders](#)

Villars-sur-Ollon, Switzerland

25 October - 5 November 2010

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

From *JS Online Wisconsin*

2 August 2010

Thawing out skills; ready to freeze

Wearing hard hats, T-shirts and shorts, drillers practiced their work skills Monday afternoon with one big exception. There was no ice.

[Read more...](#)



Announcements

ILC R&D Plan

[ILC Research and Development Plan for the Technical Design Phase](#)

Release 5, August 2010

arXiv preprints

[1008.1135](#)

Measuring Higgs boson associated Lepton Flavour Violation in electron-photon collisions at the ILC

[1008.0921](#)

Study of Higgs Self-coupling at ILC

[1008.0908](#)

Proceedings of the ILC Physics Working Group Meeting at KEK in the period from May 2007 to June 2009

[1008.0907](#)

Feasibility study of Higgs pair creation in $\gamma\gamma$ collider

[1008.0636](#)

Discovering New Light States at Neutrino Experiments