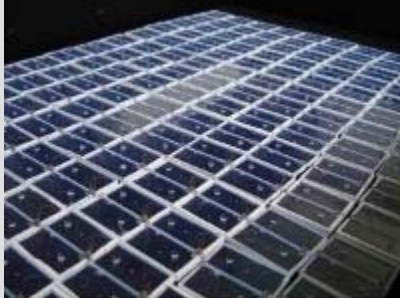


Around the World

Experts eye the eyes of the future

Two-day silicon photomultiplier workshop at DESY



New scintillator tiles for the calorimeter prototype.

Sometimes detector projects that are still at a planning stage can tell detector projects that are already taking data what hardware to use. This is certainly the case when the R&D project has been using, trying and testing a technology that the 'old hand' is considering for its upgrade: a relatively new type of sensor called Silicon Photo Multiplier, or SiPM, developed in Russia. A [meeting](#) brought experts from all areas that use SiPMs together at DESY in Hamburg, Germany, for two days earlier this week.

[Read more...](#)

-- Barbara Warmbein

BlogLine

No ILC Blogs this week but we recommend this post from Flip Tanedo on US LHC Blogs: "[Let's draw Feynman diagrams!](#)"

[Follow all Quantum Diaries](#)

Calendar

Upcoming meetings, conferences, workshops

Feature Story

S1 global update: tuner assembly successfully done at KEK



Test operation of the frequency tuner on U.S. made cavity, AES004 for S1-global. from left: Norihito Ouchi (KEK), Yasuchika Kirk Yamamoto (KEK), Carlo Pagani (INFN), Serena Barbanotti (Fermilab), Eiji Kako (KEK), Rocco Pararella (INFN), Angelo Bosotti (INFN). Image: Nobu Toge

Following the successful [cavity string work](#) for superconducting acceleration cavities from Europe and Americas, a team of four scientists and engineers from INFN, Italy and Fermilab, US, arrived in Japan for the assembly work of the frequency tuners for S1-global work.

The voltage of the field changes with a certain frequency: a radio frequency (RF). For effective acceleration of charged particles in the superconducting acceleration cavity, controlling the RF resonance frequency in the cavity is crucial.

[Read more...](#)

-- Rika Takahashi

In the News

From *The Varsity*
22 February 2010

Nobelmen: The science behind particle accelerators

The Prize: The 1938 and 1951 Nobel Prizes in Physics went to scientists who laid the groundwork for modern particle physics

[Read more...](#)

From *The Guardian*

Director's Corner

A trip to Washington

Today's issue features a Director's Corner from Mike Harrison, GDE Americas Regional Director.



Within shouting distance

Pre-amble: One of the jobs of a Regional Director is to elicit support for the project beyond the traditional high-energy physics community. In this role Mike Harrison describes a recent trip to Washington to talk to the US Office of Science and Technology Policy (OSTP); the home of the Presidential Science Advisor.

So here I am, early in the morning preparing to leave. It's still dark outside and aargh, upon opening up the garage door I am greeted by fresh snow. By this winter's standards it's not a lot of snow, three to four inches (seven to ten centimetres), but sufficient to make getting the car out of my uphill sloping driveway problematic. If I need to shovel off the driveway then getting to the airport in time could prove interesting. A quick pause to down the last gulp of tea, wipe the ketchup stain off the tie, put out some birdseed into the feeder – they have a hard time in the snow – and we're off. Accelerating violently backwards out of the garage, I shoot up the driveway and skid sideways onto the road outside. No shoveling needed. Fortunately no-one is around at this ungodly time of day to witness this manoeuvre. I regain some semblance of car control and head out rather cautiously towards the airport. I hope the planes are flying. The web site indicates that all flights



[International Linear Collider Workshop 2010 \(LCWS10 and ILC10\)](#)
Institute of High Energy Physics,
Beijing, China
26-30 March 2010

[XIV International Conference On Calorimetry In High Energy Physics \(CALOR2010\)](#)
IHEP, Beijing, China
10-14 May 2010

[The 1st International Particle Accelerator Conference \(IPAC'10\)](#)
Kyoto, Japan
23-28 May 2010



= Collaboration-wide Meetings

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

22 February 2010
Lights! Camera! Scientific accuracy?

A professor is calling for only one violation of scientific principles per blockbuster, but that's missing the point of Hollywood
[Read more...](#)

From *CERN Bulletin*
20 February 2010

A partnership between physics and health

Ever since pioneers like Rolf Wideröe and Ernest Lawrence built the first particle accelerators in the 1920s and 30s, particle physics has contributed to advances in medicine.
[Read more...](#)

From *CERN Bulletin*
20 February 2010

Everything you always wanted to know about the Higgs boson but were afraid to ask...

[Read more...](#)

From *DESY inForm*
February 2010

Undulator development at DESY

The special magnets provide for top-level light sources
[Read more...](#)

are operating but I have found to my cost previously that the web site isn't generally updated by this time of day.

[Read more...](#)

-- Mike Harrison

[Director's Corner Archive](#)

Announcements

arXiv preprints

[1002.4183](#)

Generalizing Minimal Supergravity

[1002.4096](#)

LHC and ILC Data and the Early Universe Properties

[1002.3697](#)

Higgs sector of the MSSM: lepton flavor violation at colliders and neutralino dark matter

[1002.3586](#)

Z' discovery potential at the LHC in the minimal B-L extension of the Standard Model

[1002.3462](#)

Photon generation by laser-Compton scattering at the KEK-ATF