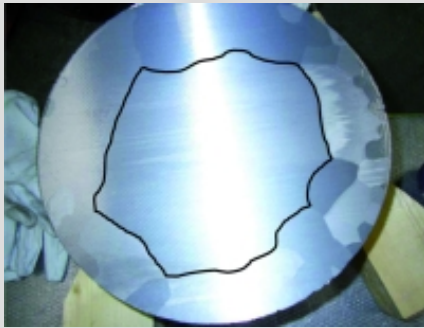


Around the World

From DESY inForm:
An idea takes shape: New production technique in view for niobium cavities



Single crystal with a diameter of 20 centimetres—scientists are only satisfied with a diameter of 26,5 centimetres.

In the development of superconducting cavities for the ILC, the machine planning group (MPL) lands another success. New prototypes manufactured from a so-called niobium single crystal plate yield excellent results. The advantage of single-crystal cavities compared with standard ones made of polycrystalline niobium lies in the atomic structure of the crystal lattice.
[Read more...](#)

-- Sandra Hesping, DESY

Calendar

Upcoming meetings, conferences, workshops

[ILC Software and Tools Workshop](#)

LAL - Orsay
2-4 May 2007

[CALICE Collaboration Meeting](#)

Kobe University, Kobe, Japan
10-12 May 2007

[Annual WILGA Conference](#)

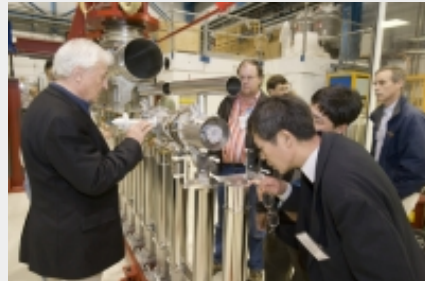
Warsaw University of Technology Resort, Poland
21-27 May 2007

[POSIPOL 2007 Workshop](#)

LAL-Orsay, France
23-25 May 2007

Feature Story

Fermilab hosts TESLA Technology Collaboration meeting



During a tour of Fermilab's new ILC facilities, meeting attendees visited the Cryomodule Assembly Building.

Last week, more than 100 scientists from around the world met at Fermilab to discuss recipes for baking, rinsing and polishing. Not the kind used for baking a cake, instead attendees at the [TESLA Technology Collaboration](#) meeting shared information about developing the optimal recipe for pushing superconducting radiofrequency, or SCRF, technology forward.
[Read more...](#)

-- Elizabeth Clements

In the News

From *FYI: The AIP Bulletin of Science Policy News*
30 April 2007

Senate Passes Major S&T Bill

Last week, the Senate passed by an overwhelming margin a comprehensive S&T authorization bill demonstrating the great concern there is on Capitol Hill about America's scientific and technological competitiveness.
[Read more...](#)

From *Kane County Chronicle*
29 April 2007

Fermilab to avoid shutdown

... Once the LHC is complete, it, not Fermilab's Tevatron, will be the largest collider in the world. That led to another top priority, research and development for the International Linear Collider, a proposed next-generation accelerator Fermilab is vying to host.
[Read more...](#)

Director's Corner

Thanks, Gerry...welcome, Mike

It is my great pleasure to announce the appointment of [Dr. Michael Harrison](#) of Brookhaven National Laboratory as the new GDE Regional Director for the Americas, succeeding Professor Gerry Dugan of Cornell University as of 1 May 2006.



Michael Harrison of Brookhaven National Laboratory, new Regional Director for the Americas

The very first appointments I made when I became GDE Director were the three Regional Directors: Brian Foster for Europe, Fumihiko Takasaki for Asia and Gerry Dugan for the Americas. Their primary responsibility is to coordinate the ILC R&D programmes within Europe, Asia and the Americas, to ensure that they are as consistent as possible with the GDE priorities. A year ago, one of our Regional Directors, Fumihiko Takasaki, was promoted to become Director of the Institute of Particle and Nuclear Studies at KEK Laboratory, and [Mitsuaki Nozaki](#) replaced him as the GDE Asian Regional Director. This month, Gerry Dugan will start his phased retirement and step down as the Americas Regional Director.
[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

Announcements

ILC-Related Preprints

[arXiv:0704.3655v1 \[hep-ph\]](#)

27 Apr 2007

Equivalence of different descriptions for η Particle in Simplest Little Higgs Model



[LCWS 2007](#)

Hamburg, Germany
30 May - 3 June 2007



[ILC 2007](#)

Hamburg, Germany
30 May - 2 June 2007



= Collaboration-wide Meetings

[GDE Meetings Calendar](#)

From *Interactions.org*

26 April 2007

Closing the gap: descent of the last LHC magnet

A ceremony was held at CERN today to mark the end of a crucial phase of installation of the Large Hadron Collider (LHC). A large dipole magnet was symbolically lowered into the tunnel at 12:00.

[Read more...](#)

From *Physorg.com*

24 April 2007

Revamped experiment could detect elusive particle, physicists say

An experiment called "shining light through walls" would seem hard to improve upon. But University of Florida physicists have proposed a way to do just that, a step they say considerably improves the chance of detecting one of the universe's most elusive particles, a candidate for the common but mysterious dark matter.

[Read more...](#)

[ILC-Asia-2007-01](#)

27 Apr 2007

SEM Inspection of HPR Nozzles of Four Labs for SC LC

[EUROTeV Report 2006](#)

[EUROTeV-Report-2006-090](#)

Coupler Design Considerations for the ILC Crab Cavity