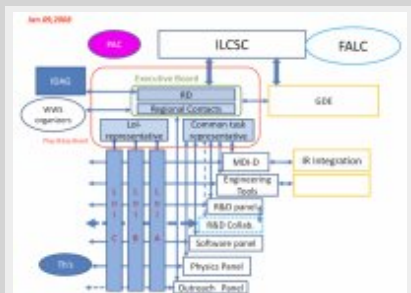


Research Director's Report

The new phase on track



The new structure for detector development. Please read the report for more information.

Last October we started a new phase in planning the ILC experimental programme after many years of coordination through the World Wide Study. Following a few months of discussion, we are now ready to put the new phase on track. At this critical moment, we are forced to face some unanticipated difficulties—the recent budget cuts in the UK and US. These will affect the speed of progress to a certain extent, but we are determined to move forward. Steady preparation continues.

[Read more...](#)

-- Sakue Yamada

[Research Director's Report Archive](#)

Calendar

Upcoming meetings, conferences, workshops

[Tesla Technology Collaboration Meeting](#)

DESY, Hamburg
14-17 January 2008

[SiD Workshop](#)

SLAC
28-30 January 2008



TILC08

[Joint ACFA Physics and Detector Workshop and \(GDE meeting\) on International Linear Collider](#)

Sendai
3-6 March 2008

Around the World

A horizontal challenge

The world's first horizontal multi-beam klystron has started its site acceptance test at DESY.

Built by the Japanese company Toshiba, it is the first of three prototypes from different companies to arrive for the test that will determine whether the new klystron design works. The 10-megawatt horizontal klystron was developed for the European [X-ray Free Electron Laser \(XFEL\)](#) and is also part of the reference design for the ILC.

[Read more...](#)

-- Barbara Warmbein



The international DESY/KEK/Toshiba klystron team.

In the News

From *Science*
15 January 2008

Interview: Raymond Orbach Responds to DOE Budget Crisis

...We are committed to high-energy physics. ... We have no intention of moving away from the basic R&D in the ILC, but it will have to be delayed.

[Read more...](#)

From *Telegraph.co.uk*
15 January 2008

Science: Funding cuts threaten scientific research

...Martin Rees, the Astronomer Royal, argues that Britain will pay a far higher price if it scraps vital projects now.

[Read more...](#)

Director's Corner

Collective wisdom



Some members of the Executive Committee at a meeting in Rome last year.

In [last week's Corner](#) I mentioned the Global Design Effort Executive Committee (EC) face-to-face meeting held at DESY this past Sunday. I said that we hoped to come up with a revised plan for the next phase of our ILC R&D programme, and I report today on our conclusions and consensus as to how we propose to redefine our plans and goals in response to the new budget constraints. Similar replanning for the detector efforts is addressed by Sakue Yamada in this issue and we are in discussions together to make sure the detector and accelerator plans are consistent.

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

Image of the Week

Watch your head!



KEK's cryomodule B, containing one LL cavity, on its way into the Superconducting RF Test Facility (STF) tunnel last Saturday. (Photo: Nobu Toge, KEK)

Announcements

[Positron Source Meeting](#)

DESY Zeuthen, Germany
7-9 April 2008

[Energy Polarization Workshop](#)

DESY Zeuthen, Germany
9-11 April 2008

[SiD Workshop](#)

RAL
14-16 April 2008

Upcoming schools

[US Particle Accelerator School](#)

UC at Santa Cruz
14-25 January 2008



= Collaboration-wide Meetings

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

From *Wired*

15 January 2008

Japanese Taking Up Particle-Physics Slack?

... Atsuto Suzuki, the director general of Japan's high-energy physics laboratory, KEK, has outlined a five-year plan that includes major investments in new facilities, and a strong commitment to the International Linear Collider.

[Read more...](#)

From *Science*

11 January 2008

Budget Cuts Mean Layoffs at Two DOE Labs, End for SLAC Collider

An unexpectedly tight science budget this year at the U.S. Department of Energy (DOE) will shut down a particle collider in California and curtail activities at another accelerator lab in Illinois.

[Read more...](#)

From *interactions.org*

11 January 2008

Hitoshi Murayama appointed as the founding director of Institute for the Physics and Mathematics of the Universe at the University of Tokyo

... IPMU was launched as one of the World Premier International Research Center Initiative (WPI) of the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

[Read more...](#)

New issue of NewsLine Q

Check out the latest issue of NewsLine Q, the ILC's quarterly newsletter. As a 'superconducting cavity special' it is the first themed issue of NewsLine Q.

[View issue or download pdf](#)

ILC Notes

[2007-039](#)

Report of the 3rd Meeting of the ILC Machine Advisory Committee

[2007-038](#)

Report of the 4th Meeting of the ILC Machine Advisory Committee

[2007-037](#)

Report of the International Cost Review of the International Linear Collider

arXiv preprints

[0801.1928](#)

Supersymmetry in Elementary Particle Physics

[0801.1651](#)

Sparticle Discovery Potentials in the CMSSM and GUT-less Supersymmetry-Breaking Scenarios