

Around the World

From Fermilab Today: India's RRCAT director tours U.S. laboratories

If the ILC could be defined by one thing it would be superconducting radiofrequency technology or SCRF. This article from Fermilab Today describes how India is planning to work with US labs on developing this technology.

Vinod Sahni, the director of India's Raja Ramanna Center for Advanced Technology, spent the greater part of December visiting U.S. laboratories. Tour stops included Brookhaven, SLAC and Fermilab, where he had the opportunity to discuss such activities as superconducting radiofrequency technology and Project X.



Vinod Sahni, director of Raja Ramanna Center for Advanced Technology

-- Elizabeth Clements

Calendar

Upcoming meetings, conferences, workshops



TILCO8

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

Sendai
3-6 March 2008

[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

Feature Story

Together as one: ILD community meets in Zeuthen



Crowding around a new detector concept: the first ILD workshop took place in Zeuthen near Berlin in January

A global project like the ILC depends on global cooperation. The contributors are scattered all over the world. Researchers cannot simply walk down the hall to get advice from a colleague because he is likely to sit somewhere half a world away. However, there is technology that helps scientists to cover these distances virtually: discussions in internet forums and regular telephone and video conferences are part of any scientist's everyday life.

[Read more...](#)

-- Jan Dreyling-Eschweiler

In the News

From *Fermilab Today*
5 February 2008

Director's Corner: Tough news
Today I must give you some difficult news.

[Read more...](#)

From *nature*
5 February 2008

Bush asks for more physics – again

...After a year of hardship, fusion and high-energy physics would see significant gains within the DOE's Office of Science.

[Read more...](#)

From *New York Times*
5 February 2008

Physicists Hope U.S. Budget Will Mean an End to Research Cuts

...Design work on particle physics experiments would resume, and cutbacks in other programs might be restored.

[Read more...](#)

Director's Corner

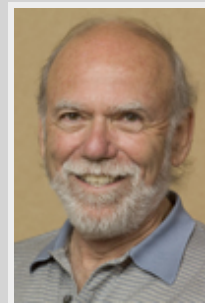
US Budget: Reviving the ILC R&D programme

President Bush released his budget request for the US fiscal year 2009 (FY09) earlier this week. The three-trillion dollar budget proposal contains increases for research in the physical science in the US. The National Science Foundation (NSF) budget is to be increased by 14 percent, the National Institute of Standards and Technology (NIST) budget by 22 percent and within the DOE, the Office of Science budget is proposed to be increased by 19 percent. High-energy physics, which was cut by the FY08 Omnibus Bill to 695 million dollars, is increased in the proposed FY09 budget to 805 million dollars. The ILC R&D effort, which had effectively been zeroed out by the Omnibus Bill, is to be restored to 35 million dollars in the new budget proposal.

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)



Barry Barish

Image of the Week

Stringing it together



[Workshop on High energy photon collisions at the LHC](#)

CERN, Geneva
21-25 April 2008

[LoopFest VII](#)

[Radiative Corrections for the LHC and ILC](#)

University at Buffalo, The State University of New York, Amherst, New York, USA
14-16 May 2008

[ICFA NANOBEAM Workshop \(NANOBEAM-08\)](#)

[Announcement](#)

Budker INP, Novosibirsk, Russia
25-30 May 2008



= Collaboration-wide Meetings

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

From *Reuters*

1 February 2008

FACTBOX: Science projects hit by U.S. funding cuts

...The project, which could end up elsewhere, will examine collisions of electrons and positrons and is seen as a companion to the LHC, which studies collisions of protons and anti-protons.

[Read more...](#)

From *New Statesman*

1 February 2008

Death of Big Physics

...It is not simple cost-cutting. Rather, British physics is being decimated by incompetence, with the ministers and civil servants overseeing the budgetary process displaying a failure to comprehend global science budgets and a dangerous misunderstanding of how science makes progress.

[Read more...](#)

From *World Science*

1 February

Particle smasher may reveal extra dimensions

When the world's most powerful particle smasher starts up this summer, exotic new particles may offer a glimpse of the existence and shapes of extra dimensions, says a group of physicists.

[Read more...](#)

After four units of TESLA-style cavities had been assembled into a string in a KEK cleanroom in January (left) they are wheeled out for the assembly of the cold mass (right). This is now in full swing - more pictures to follow! (Images courtesy of Nobu Toge, KEK)

Announcements

Register for TILC08

Don't forget to [register](#) for the joint ACFA Physics and Detector Workshop and GDE meeting from 3 to 6 March in Sendai, Japan - the deadline is tomorrow!

Sorry!

We would like to apologise for the email all NewsLine subscribers received earlier this week about the 'result of your feedback form.' We are in the process of making subscriptions more efficient and a test email went through by mistake.

arXiv preprints

[0802.0171](#)

Dominant two-loop electroweak corrections to the hadroproduction of a pseudoscalar Higgs boson and its photonic decay

[0802.0060](#)

Trilinear Higgs couplings in the two Higgs doublet model with CP violation

[0801.4888](#)

New Analysis of SUSY Dark Matter Scenarios at ILC

[0801.4640](#)

Higgs bosons of a supersymmetric U(1)' model at the ILC

EUROTeV Reports

[2007-052](#)

Evaluation of Luminosity Reduction in the ILC Head-on Scheme from Parasitic Collisions

[2007-054](#)

Creation of a State-Space Model from a Finite Element Model for the Active Control Algorithm Efficiency Tests

[2007-059](#)

Cavity BPM System Tests for the ILC Energy Spectrometer