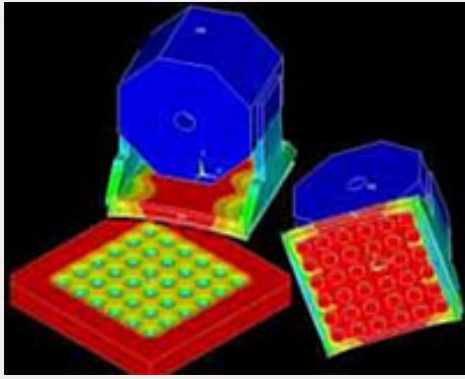


### Feature Story

#### From SLAC Today: ILC to Support Two Complementary Detectors



Over the last year, the ILC Global Design Effort (GDE) has concentrated on developing a complete design and cost estimate for the ILC. These designs and numbers will be released in early 2007 as part of the ILC Reference Design Report. For this report, numerous design changes have been adopted to take advantage of recent R&D results and to make the project more affordable, and more changes are yet to come.

[Read more...](#)

-- Andrei Seryi

### Calendar

#### Upcoming meetings, conferences, workshops

##### [International Workshop on Silicon Sensors for High Energy Physics and Astrophysics](#)

14-16 December 2006  
Ewha Womans University, Seoul, Korea

##### [European LC WS Meeting](#)

8-9 January 2007  
Daresbury Laboratory, UK

##### [MAC meeting](#)

10-12 January 2007  
Daresbury Laboratory, UK

### Feature Story

#### On the Road to Developing U.S.-Indian ILC Collaboration



Indus-II Accelerator at Raja Rammana Center of Advanced Technologies (In View RF Cavities).

At the National Academies of Sciences' US-India Conference in June 2006, U.S. Secretary of Energy Samuel Bodman delivered a speech about the benefits of US-Indian collaboration on science and technology. Referencing the bilateral Agreement on Science and Technology, signed by the U.S. and India in October 2005 to establish a framework for the exchange of ideas, information, skills and technologies, Bodman encouraged collaboration between the two countries on the proposed International Linear Collider.

[Read more...](#)

-- Elizabeth Clements

### Around the World

#### From *Fermilab Today*: Planning for ILC Success Through Shared Databases

### Director's Corner

#### Cost Optimisation of Wigglers for the ILC Damping Rings

Today's issue features a Director's Corner from Gerry Dugan, GDE Americas Regional Director.



Jeremy Urban in the CESR tunnel at Cornell.

One of the key technical components of the ILC damping rings is the wiggler magnet, a device consisting essentially of a series of dipole magnets of alternating polarity. Wigglers are used to increase the synchrotron radiation damping rate, allowing the required emittance reduction to be achieved during the 200 ms (millisecond) that each bunch train is stored in the damping ring.

[Read more...](#)

-- Gerry Dugan

#### [Director's Corner Archive](#)

### In the News

From *Fermilab Today*  
13 December 2006

#### **Another ILC Milestone**

[Read more...](#)

From *Fermilab*  
13 December 2006

#### **DZero finds evidence of rare single top quark; Observation marks a step closer to finding Higgs boson**

[Read more...](#)

## USPAS

Texas A&M University  
15-26 January 2007

## ILC Detector Test Beam Workshop

Fermilab, Batavia, Illinois  
17-19 January 2007



## The 9th ACFA ILC Physics & Detector Workshop & ILC GDE Meeting

IHEP, Beijing  
4-7 February 2007

## Annual WILGA Conference

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



## LCWS 2007

Hamburg, Germany  
30 May - 4 June 2007



## = Collaboration-wide Meetings

## GDE Meetings Calendar



Participants in the five-day course at Fermilab. From left: Don Mitchell, FNAL; Chuck Grimm, FNAL; Serena Barbanotti, INFN Milan; Maurizio Massa, INFN Pisa; Paolo Pierini, INFN Milan; Andrea Basti, INFN Pisa; Nicola Panzeri, INFN Milan; Norio Higashi, KEK; and Norihito Ohuchi, KEK.

Designing, building and operating the ILC will require an unprecedented level of world-wide collaboration. To make this possible, collaborators will use a shared Electronic Data Management System. This will allow them to contribute, extract and edit live data in real time. A pilot EDMS, set up by DESY in Hamburg, is already in use by the ILC cryomodule design team. Its success will provide a model for other ILC databases.

[Read more...](#)

-- D. A. Venton

From *The Morning Call online*  
13 December 2006

## **Air Products joins Linde on collider**

[Read more...](#)

From *NIU*

30 November 2006

## **NICADD scientists develop detector technology for International Linear Collider**

[Read more...](#)

## **Announcements**

### **ILC-Related Preprints**

[hep-ph/0612124](#)

11 Dec 2006

Two-Loop Renormalization in the Standard Model Part III: Renormalization Equations and their Solutions

[hep-ph/0612120](#)

11 Dec 2006

Perspectives of detecting CKM-suppressed top quark decays at ILC

[hep-ph/0612106](#)

9 Dec 2006

Revealing the large extra dimension effective interaction at an e+e-collider with polarized beams