

### Around the World

#### Meet John Osborne



The three Conventional Facilities & Siting Group leaders (left to right), Vic Kuchler, John Osborne and Atsushi Enomoto.

International Linear Collider workshops tend to be hectic. Meetings are scheduled back to back and often overlap. The days start early and end late. The coffee breaks are a brief, necessary respite. In a virtual collaboration, the three Conventional Facilities & Siting Group leaders understand that face to face time is precious, making it easy to spot the trio together. A meal together here and a coffee there can add up to a lot, and the CFS group leaders take advantage of every minute. For this next workshop at Fermilab from 22-26 October, however, there will be a new CFS co-leader on the block – John Osborne from CERN.

[Read more...](#)

-- Elizabeth Clements

### Calendar

#### Upcoming meetings, conferences, workshops

[CLIC07](#)

CERN  
16-18 October 2007



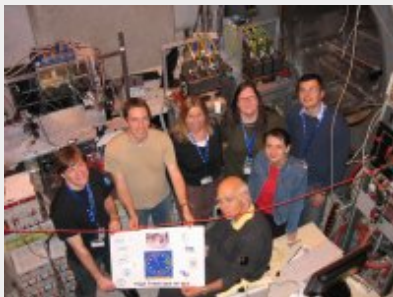
[ALCPG 2007](#)

Fermilab  
22-26 October 2007

[2007 Nuclear Science Symposium and Medical Imaging Conference](#)  
Honolulu, Hawaii, USA  
27 October - 3 November 2007

### Feature Story

#### Telescope arms open wide



Some members of the JRA1 team took their telescope on a tour.

The [EUNET telescope](#), a high-precision device that lets detector developers check the accuracy of their prototype by using particle beams and the EUNET telescope and comparing with accurately its determined tracks, has just finished a marathon in test beams around Europe. During six weeks in beams at DESY and CERN its makers tested it to the core and are now happy to pass their instrument on to users.

[Read more...](#)

-- Barbara Warmbein

### Press Release

#### International Linear Collider launches new "Gateway to the Quantum Universe" report and website

The International Linear Collider community today released a new report, "The International Linear Collider - Gateway to the Quantum Universe" to mark the beginning of a new phase for the proposed particle accelerator. The document serves as a companion piece to the recently published Reference Design Report and highlights the scientific goals and technical challenges of the proposed machine. The report also has a companion website at [www.linearcollider.org/gateway](http://www.linearcollider.org/gateway).

[Read more...](#)

### Image of the Week

### Director's Corner

#### Frosting on the cake

Today we mark the conclusion of the Reference Design Report phase of the International Linear Collider Global Design Effort with the release of our document, *The International Linear Collider: Gateway to the Quantum Universe*. This new document is a companion to our

four-volume technical set, the Reference Design Report, that describes the physics of the terascale, the ILC reference design and detector concepts. In fact, the companion document is, in a sense, the frosting on our



The companion to the RDR: Gateway to the Quantum Universe

four-layer cake. It tells our story to a much broader and less technical audience, including policy makers, scientists in other fields, and scientifically interested members of the general public. The RDR companion document can be requested online at [www.linearcollider.org/gateway](http://www.linearcollider.org/gateway), a website that features the complete content of the report.

[Read more...](#)

-- Barry Barish

### Director's Corner Archive

### Announcements

#### ALCPG07 programme and streaming video

ALCPG07 will take place next week, 22-26 October, at Fermilab. Live [streaming video](#) will be provided for the opening plenary session on the morning of 22 October. A complete agenda and other workshop information is available [online](#).

#### Linear Collider Forum of America Meeting

The Linear Collider Forum of America will meet at Fermilab on 22-23 October. An agenda is available [online](#).

### [CARE07 Annual Meeting](#)

CERN  
29-31 October 2007

### [CCAST ILC Accelerator Workshop and 1st Asia ILC R&D Seminar](#)

IHEP, Beijing, China  
5-7 November 2007

### [ILC EDMS Power User Training](#)

DESY  
26-30 November 2007

### [International Vacuum Symposium, IVS-2007](#)

Homi Bhabha Auditorium, TIFR, Colaba, Mumbai, India  
28-30 November 2007  
[Symposium Poster](#), [Symposium Brochure](#)

### Upcoming schools

#### [US Particle Accelerator School](#)

UC at Santa Cruz  
14-25 January 2007



= Collaboration-wide Meetings

#### [GDE Meetings calendar](#)

#### [View complete ILC calendar](#)

### Fête de la Science in France



The whole of France is celebrating a week of science this week. Many CNRS labs open their gates to schoolkids and the general public, stage exhibitions, talks and hands-on experiments. The kids in the picture are busy experimenting with a 'nervosimeter' - an ingenious device that tells your state of calm - at LAL in Orsay.

### In the News

From *Scientific American*  
November 2007 issue

#### **The Great Cosmic Roller-Coaster Ride**

Could cosmic inflation be a sign that our universe is embedded in a far vaster realm

[Read more...](#)

From *Fermilab Today*  
17 October 2007

#### **Dimidium facti, qui coepit, habet**

...Supporting ILC development and preparing Fermilab for a potential U. S. ILC bid are top priorities for Fermilab.

[Read more...](#)

From *Fermilab Today*  
17 October 2007

#### **Cold, complete and ready to make history**

[Read more...](#)

From *Fermilab Today*  
16 October 2007

#### **Letter from Ray L. Orbach, DOE Under Secretary for Science**

... I am detailing Dr. Dennis Kovar to serve as the acting director of the Office of High Energy Physics.

[Read more...](#)

### **ILC NewsLine survey: last chance!**

If you subscribe to this newsletter, you should have recently received a survey. We greatly appreciate the time you will take to fill it out. If you didn't receive it or have any questions, please [send us an email](#).

The survey closes on Friday, so do not miss this chance of telling us what you think!

### arXiv preprints

[0710.3014](#)

16 Oct 2007

Higgs-Boson Benchmarks in Agreement with CDM, EWPO and BPO

[0710.2982](#)

16 Oct 2007

MSSM precision physics at the Z resonance

[0710.2957](#)

16 Oct 2007

Status reports from the GRACE Group

[0710.2822](#)

15 Oct 2007

SFitter: Reconstructing the MSSM Lagrangian from LHC data

[0710.2735](#)

14 Oct 2007

Effects of polarisation on study of anomalous VVH interactions at a Linear Collider

[0710.2644](#)

14 Oct 2007

New physics effect on the top-Yukawa coupling at ILC

[0710.2467](#)

12 Oct 2007

Track-Based Particle Flow

[0710.2415](#)

12 Oct 2007

Single Production of Doubly Charged Higgsinos at linear e-e- colliders

[0710.2373](#)

12 Oct 2007

A Silicon-Tungsten ECal with Integrated Electronics

[0710.2087](#)

10 Oct 2007

Impact of slepton generation mixing on the search for sneutrinos - Lepton flavour violation in sneutrino production and decays in the general MSSM

[0710.2010](#)

10 Oct 2007

NLO Event Simulation for Chargino Production at the ILC

[0710.2005](#)

From *U.S. Department of Energy*

11 October 2007

**DOE Office of Science Publishes  
Update of Landmark Plan:  
"Facilities for the Future of  
Science: A Twenty-Year Outlook"**

... The new Interim Report provides a summary update on the status of the original 28 facilities and features three charts.

[Read more...](#)

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10 Oct 2007

Hidden Fermion in Stueckelberg Z' Models as Milli-charged Dark Matter