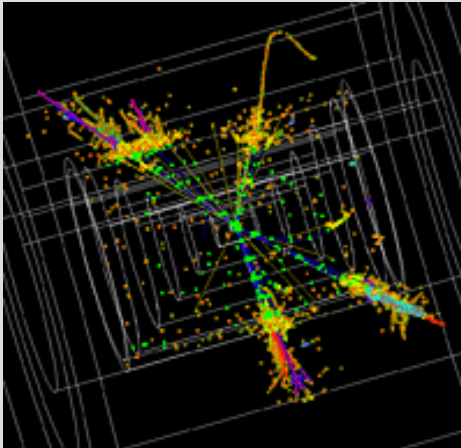


Feature Story

From SLAC Today: ILC Physics: The Analysis Has Already Begun



A simulation of what the decay of a $Z + Higgs$ to four jets would look like in an ILC detector. (Image courtesy of Norman Graf)

For the proposed International Linear Collider, physicists are trying to both design the most precise calorimeter ever and still be able to afford it. A calorimeter measures the energy of particles in a detector, and is typically the single most expensive part. If you reduce its performance slightly to reduce costs, how much have you sacrificed?

[Read more...](#)

[Learn more about ILC physics analyses](#) (pdf)

-- Heather Rock Woods

Calendar

Feature Story

Japanese Diet Members started a workshop on ILC



The Japanese Diet members held their first workshop to study the social impacts and benefits of the ILC. A view of the Japanese capitol hill can be seen out the window.

On June 15 last year, the Japanese "Federation of Diet members to promote the realisation of ILC" was formed (See NewsLine from [22 June 2006](#)). The Diet members of the federation held a workshop with ILC researchers on 22 January 2007 in Nagatacho near Tokyo. Nobel laureate Masatoshi Koshiha and Professor Kazuo Nishimura (Kyoto University), who is a famous economist and author of the book "University students who cannot calculate fraction numbers", gave a lecture to the Diet members.

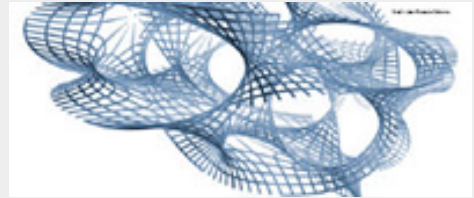
[Read more...](#)

-- Satoru Yamashita

In the News

Director's Corner

The International Linear Collider: Gateway to the Quantum Universe



The Terascale promises to revolutionise our views of the universe.

In addition to the technical reports released last week in Beijing that describe the reference design for the ILC, we also published in draft form a very attractive and informative companion document, "The International Linear Collider: Gateway to the Quantum Universe." It can be downloaded in [pdf format](#). The Reference Design Report (RDR), the Detector Concept Report (DCR) and this companion piece will all be published in final form this coming summer, after reviews and modifications are incorporated. The companion document tells the story of the ILC by those involved in designing and planning it. The document translates the technical and detailed materials for a much broader audience.

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

Image of the Week

Upcoming meetings, conferences, workshops

[ILCDR07 - Damping Rings R&D Meeting](#)

LNF-INFN, Frascati, Italy
5-7 March 2007

[The LHC Early Phase for the ILC](#)

Fermilab, Batavia, Illinois
12-14 April 2007

[TESLA Technology Collaboration Meeting](#)

Fermilab, Batavia, Illinois
23-26 April 2007

[Annual WILGA Conference](#)

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



[LCWS 2007](#)

Hamburg, Germany
30 May - 4 June 2007

[VII International workshop on Problems of Charged Particle Accelerators: Electron-positron Colliders](#)

JINR-BINP, Alushta (Crimea, Ukraine)
2-8 September 2007

[IEEE EUROCON 2007](#)

Warsaw, Poland
9-12 Sept 2007

[12th International Workshop on Polarized Sources and Targets \(PST 2007\)](#)

Brookhaven National Laboratory
10-14 September 2007



= Collaboration-wide Meetings

[GDE Meetings Calendar](#)

From *New Scientist*
15 February 2007

[Collider costed - atom smashers don't come cheap](#)

From *COSMOS Magazine*
15 February 2007

[Dark matter and 'God particle' within reach](#)

From *Nature Magazine*
15 February 2007

[Physicists Pitch Biggest Accelerator](#) (subscription required)

From *iWire*
11 February 2007

[International Linear Collider proposed to explore origins of universe](#)

From *Zeit online*
10 February 2007

[Wer soll das bezahlen?](#)

From *Le Figaro*
10 February 2007

[Un accélérateur pour éclairer le big bang](#)

From *CNET News.com*
10 February 2007

[Big Bang and bucks set to collide in inner space](#)

From *Chicago Tribune*
9 February 2007

[Cost of solving mysteries of universe: \\$6.7 billion](#)

From *Todito Noticias*
9 February 2007

[Recrearán primeros instantes del Universo](#)

From *China Daily*
9 February 2007

[\\$7b proposed for particle study](#)

From *Science Magazine*
9 February 2007

[International Team Releases Design, Cost for Next Great Particle Smasher](#) (subscription required)



How to Order Mushrooms in China

While in China last week for the Beijing ILC Workshop, Tom Himel from SLAC went out with a group of fellow scientists to a restaurant that specialised in mushrooms. Halfway through the meal, the group realised that they hadn't been served any mushrooms yet. Without a phrase book or a translator available, the group did their best to communicate with the waitress and order some mushrooms. After several attempts, Himel decided to draw a picture of a mushroom on a packet of napkins. His drawing did the trick! They say a picture is worth a thousand words. When you are in China and don't speak Chinese, this phrase takes on a whole new meaning.

Announcements

ILC-Related Preprints

[hep-ph/0702109](#)

11 Feb 2007

Physics Beyond the Standard Model and Cosmological Connections: A Summary from LCWS 06

From *International Herald Tribune*

8 February 2007

Physicists plan costly look at the beginnings of the universe

From *PhysicsWeb*

8 February 2007

Multibillion-dollar collider plans unveiled

From *Wired News*

8 February 2007

Next-Gen Smasher To Cost \$6.6B

From *The New York Times*

8 February 2007

Price of Next Big Thing in Physics: \$6.7 Billion