ILC NewsLine

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Around the World

Podcasting the ILC

Science cafes as venues for getting the word out

(Left to right) Taisei Tanaka, Satoru Yamashita and Erika Yamada record the ILC podcast.

Blogs, Social Network Services, Podcasting, Social Bookmarks -- these types of social media have become influential sources of information. Some might say that they have as much influential power as the conventional media. Scientists working on the International Linear Collider are catching on too and realise that podcasting is another way to promote the proposed project to a non-scientific audience.
Read more...

-- Rika Takahashi

Calendar

Upcoming meetings, conferences, workshops

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

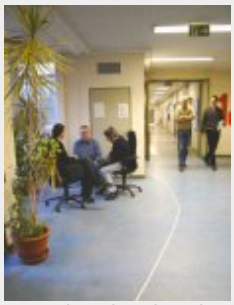
Physics at the Terascale Kick-off Workshop
DESY, Hamburg
3-5 December 2007

3rd Mini-Workshop on ILC Damping Rings R&D

Feature Story

EUROTeV encore

People with big plans need time and space to make their dreams come true – assuming that they already have some money to get going. The time for the European-funded linear collider R&D consortium EUROTeV was almost up. Together with the CALICE collaboration, they were making plans for a virtual control room for next spring that would let them manage the experimental setup sitting in a testbeam at Fermilab remotely from a partitioned-off section of a corridor at DESY. This plan, along with many other tasks and plans run and made by EUROTeV people, is now reality: the European Commission extended the project by another year.
Read more...

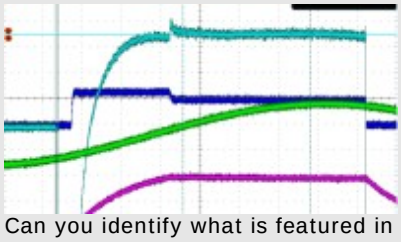


Testing the virtual site: lines on the ground show where the planned virtual control room could go. Three scientists test what it would be like to work there.

-- Barbara Warmbein

Image of the Week

What is it?



Can you identify what is featured in the above image? Write ILC NewsLine and take your best guess! We will feature the first right answer we receive in next week's issue.

In the News

Director's Corner

New year, new office

Today's issue features a Director's Corner from Kaoru Yokoya, Accelerator Leader for the Global Design Effort.

Kaoru Yokoya in his temporary office

"If you talk about next year, devils will laugh at you." This is a Japanese saying that corresponds to the English saying, "Don't count your chickens before they're hatched." I do not want to be laughed at by the devil, but I would like to write about Building 2 at KEK. This is where my office used to be located. But then it was declared the most fragile site among KEK's buildings for earthquakes. So the building had to be remodelled immediately.
Read more...

-- Kaoru Yokoya

Director's Corner Archive

Announcements

ILC press packets

Giving a talk? Meeting with a political representative? Email your communicators, and we will send you an ILC press packet. Each folder includes a copy of the *Gateway to the Quantum Universe* report, the latest copy of *NewsLineQ*, a general ILC brochure and several one-pagers. Just give us your mailing address, and a press packet will be on its way to you.

Tell us what you think

Do you have an opinion or reaction to an article in today's issue of *NewsLine*? Tell us what you think, and we will publish your letter in our new "Readers Write" column. Email your communicators now.

KEK
18-20 December 2007

Fifth ATF2 Project Meeting
KEK
19-21 December 2007

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 *New York Times*
27 November 2007
Q&A: Collision Courses
Q. The most powerful particle collider, the Large Hadron Collider, will begin to operate in 2008 at 14 trillion electron volts. The next collider to be built, the International Linear Collider, will operate at only 0.5 trillion electron volts. Why are we going backward in collider energy levels?...
Read more...

From *SLAC Today*
15 November 2007
Tailoring the ILC
What's the best way to dig a 72 km-long tunnel complex and install it with 2,000 cryomodules, over 13,000 magnets and approximately 540 high-level radio frequency stations?
Read more...

From *Physics Today*
November 2007
Letters: The true cost of the ILC
In his story on the proposed International Linear Collider (ILC), Bert Schwarzschild does his usual meticulous job of reporting the news on particle physics and cosmology (PHYSICS TODAY, April 2007, page 26). But behind the cost figures presented, there's a deeper story that he did not discuss.
Read more...

From *Physics Today*
November 2007
CERN's Fix-it Man
(subscription required)
As director general of CERN, Robert Aymar has perhaps the most visible job in particle physics today. In 2004, when Robert Aymar was appointed to run CERN, he was seen as a troubleshooter brought in to get the Large Hadron Collider (LHC) up and running. In December 2001, while he was director of ITER, an international prototype energy fusion reactor, the CERN council appointed Aymar chair of a committee mandated to review and evaluate programs and management at CERN.
Read more...

arXiv preprints

0711.4124
Two universal extra dimensions and spinless photons at the ILC

0711.3951
The Higgs search of the MSSM with explicit CP violation at the LHC and ILC

0711.3847
Virtual Hadronic and Leptonic Contributions to Bhabha Scattering

0711.3561
Radiation Hardness Studies in a CCD with High-Speed Column Parallel Readout

0711.3150
Hadron multiplicity in e^+e^- events induced by top quark pair at the ILC energy

0711.3018
Higgs Self-Coupling as a Probe of Electroweak Phase Transition

0711.3003
Electroweak Physics at the ILC

0711.2731
Leading Yukawa corrections to the pole masses of S

0711.2705
A Study of $e^+e^- \rightarrow H^0A^0$ Production at 1 TeV and the Constrain on Dark Matter Density

0711.2204
RS model with the small curvature and Bhabha scattering at the ILC

0711.2121
Radiative Neutralino Production in Low Energy Supersymmetric Models

0710.2602
Prospects to Measure the Higgs Boson Mass and Cross Section in $ee^- \rightarrow ZH$ Using the Recoil Mass Spectrum