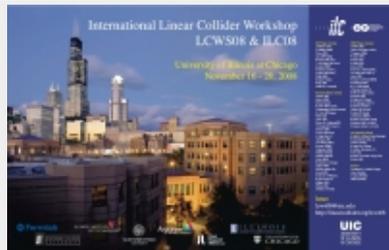


Feature Story

ILC community meets at LCWS and ILC08



A preliminary agenda for LCWS is online.

Which is the right word to complete this series: KEK, Snowmass, Hamburg, ... ? Chicago of course! After the first three venues, the fourth General ILC Workshop (ILC08) will take place in Chicago this year, organised in conjunction with the 2008 Linear Collider Workshop LCWS. As in the past, the workshop is supposed to bring detector and accelerator communities together. Results and plans from both worlds will be discussed in several joint plenary sessions.

[Read more...](#)

-- Barbara Warmbein

Calendar

Upcoming meetings, conferences, workshops

[EUROTeV Scientific Workshop](#)

Uppsala University, Sweden
26-28 August 2008

[CALICE Collaboration Meeting](#)

Manchester, UK
8-10 September 2008

[ILD meeting](#)

Cambridge, UK
11-13 September 2008

[Conference on the Design/Optimization of the Silicon Detector at the International Linear Collider](#)
University of Colorado at Boulder, Colorado, USA
17-19 September 2008

[Workshop of the Collaboration on Forward Calorimetry at ILC](#)

Around the World

ILC goes Comiket



A page from "Kasokuki de Go!"

This summer the International Linear Collider made a debut in world famous "Comiket" Comic Market, held in Tokyo. Comike is the world's largest comic convention with a history of over a quarter of a century, and is the hall of fame of the "Otaku" culture. More than half a million attendees came from all over the world for this three-day event. So, what did all these people come for? The answer is the "doujinshi," self-published publications which are usually manga or novels. Most works are written and edited by amateur writers or artists, but some are famous professionals who started from doujinshi. People wanting to buy their works sometimes have to wait for more than three hours.

[Read more...](#)

-- Rika Takahashi

In the News

From *Wired Magazine*
18 August 2008

Ace Quantum Mechanics—the Reality TV Way!

With CERN's Large Hadron Collider finally coming online, watercoolers around the world will soon be abuzz with talk of Higgs bosons, gluons, and other mind-blowing subatomic things.

[Read more...](#)

From *Ouest France*
18 August 2008

« Recréer les conditions de l'univers des débuts »

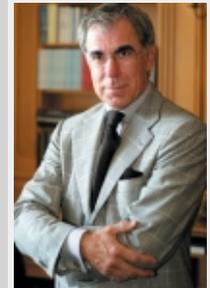
Ce que l'on espère recréer dans le LHC, ce sont les conditions physiques de l'univers primordial afin d'y observer les phénomènes alors à l'œuvre.

[Read more...](#)

Director's Corner

FALC meets in Rome

The Funding Agencies for Large Colliders held their semi-annual meeting in Rome at INFN headquarters on 14 July 2008. The meeting was notable in that it marked the FALC release of their first annual report and the appointment of a new chairperson, Pierre Coulobme.



Pierre Coulobme, the next FALC chair

The meeting agenda included presentations by Robert Aymar on plans at CERN for a major upgrade to the Large Hadron Collider during the next decade and a report by Jean-Pierre Delahaye on the R&D programme towards a multi-TeV two-beam Compact Linear Collider Study (CLIC). I presented our recently released R&D plan outlining the Global Design Effort plans over the next few years, which was well received, including a rather engaging discussion of our plans to develop a project implementation plan.

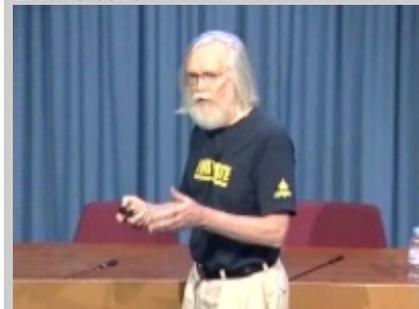
[Read more...](#)

-- Barry Barish

Director's Corner Archive

Image of the Week

LHC is safe



On 14 August, John Ellis gave a talk in the CERN Auditorium about LHC safety. He reviewed the arguments presented by the LHC Safety Assessment Group.

[Video](#) | [Slides](#) | [Full LSAG report and summary](#)

Belgrade, Serbia
22-24 September 2008

[Workshop on Sources of Polarized
Electrons and High Brightness
Electron Beams \(PESP 2008\)](#)
JLab, Newport News, Virginia, USA
1-4 October 2008

Upcoming school

[Third International Accelerator School
for Linear Colliders \(2008 LC School\)](#)
Oak Brook, Illinois, USA
19-29 October 2008



= Collaboration-wide
Meetings

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

From *The Sunday Times*
17 August 2008

The man with the answer to life, the universe and (nearly) everything

British scientist Peter Higgs dreamt up a theory explaining the tiny particles that make up everything, including you, decades ago. At last he's set to be proved right.

[Read more...](#)

From *Nature*
13 August 2008

Large Hadron Collider passes first proton test (subscription required)

[Read more...](#)

From *CNet*
13 August 2008

Where particles, physics theories collide

The result is likely to push forward theories of particle physics and the fundamental building blocks of all things.

[Read more...](#)

From *The Inquirer*
12 August 2008

Physics geeks go rapping

...So if you lack a Masters degree in particle physics, (...) then check out the video.

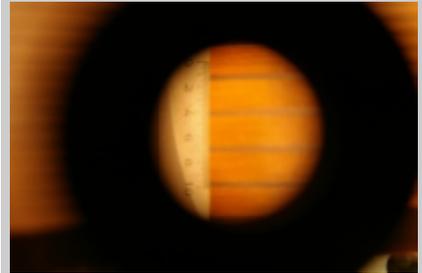
[Read more...](#)

Announcements

SC Award for Yamamoto

The IEEE Council has awarded ILC Project Manager Akira Yamamoto with its Superconductivity Award for Contributions in the Field of Applied Superconductivity. He received the prize "for his contribution to the development of various types of superconducting magnets for High Energy Physics and Particle Accelerator application such as the Large Hadron Collider, and for his leadership in the development of particle detector magnets utilizing high-strength aluminum-stabilized Nb-Ti superconductor technology in Particle and Astroparticle Physics." The ceremony took place on Monday during the Applied Superconductivity Conference in Chicago.

What is it?



Any clue what this picture shows?

[Write to ILC NewsLine](#) and send us your best guess. Read the solution in next week's issue.

ILC Note

[2008-048](#)

The Linear Collider TPC: Revised Magnetic-field Requirements

arXiv preprint

[0808.241](#)

Testing the Majorana Nature of Gluinos and Neutralinos

ILC community meets at LCWS and ILC08

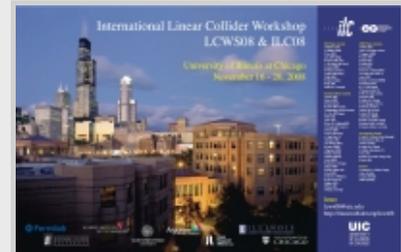
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Registration for the joint November workshop is open at www.linearcollider.org/icws08. The early registration deadline is 1 October. The conference fee will increase after this date, so make sure to register soon. The organisers - Argonne National Laboratory, Fermilab, Illinois Institute of Technology, Northern Illinois University, Northwestern University, University of Chicago, University of Illinois at Urbana Champaign and the University of Illinois at Chicago (UIC) - are currently working on a [preliminary agenda](#).

The ILC08 part of the workshop is this year's main GDE collaboration meeting. It will concentrate on planning and progress of the goals defined for the Technical Design Phase (TDP), notably the superconducting RF programme and its test facilities, electron cloud work, plug compatibility, gradient developments, machine-detector interface questions and cost reduction studies. The ILC project managers have defined clear goals for the five days. They want the community to get an overview of the status of the baseline and alternative machine designs and get discussions going on these. Together, the community will have a look at the coming milestones and priorities and try to improve the collaboration between groups and institutes.

You can find a more detailed list of the workshop goals, the working groups and their conveners here: ilcdoc.linearcollider.org/record/16731/files/ILC08_general_program_announcement.pdf. Contact the organisers with ideas and proposals now to make sure that they make it into the agenda. See you in Chicago in November!

-- Barbara Warmbein



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A page from "Kasokuki de Go!"



Fun at the Comiket: costume players.

Getting an exhibitor ticket to the Comiket is highly competitive, sometimes only one out of six applicants can get one. "I was pretty surprised to get a table," said Masao Fujino, law school student at the University of Tokyo who represented the Linear Collider 'familiarisation committee,' the group of ILC supporters seeking a fun way to make the ILC popular. Their publication was entitled "The Scientist's Viewpoint", a review by scientists of Sci-Fi novels, animations and comics. "The scientists have made serious explanations, not just criticising them as impossible or ridiculous things. I think this makes our publication very attractive." They sold about 150 copies. "I thought that we could sell 20 copies at best. I am surprised to see a lot of people interested in accelerator and fundamental physics".



The table selling ILC fan books.

Another ILC-related publication "Kasokuki de Go! (Let's go with the accelerator)" edited by the ILC fan club was also sold at the Comiket. "Most of ILC fan club members are science-fiction fans, who are one of the main audiences here. That's why we gave a try to have a table," said Etsuko Iwasaki, who is one of the founders of the club. Their publication has variety of different styles, from comic to essay. "We conducted a survey in the form of a questionnaire, and

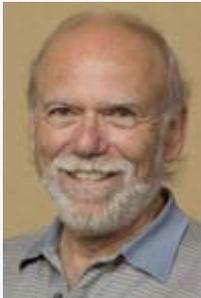
received responses from 23 ILC scientists," said Shino Kojima, the other founder of the fan club. They made an analysis of the ILC scientists' personalities in their book based on the responses. "We can feel the sense of closeness to the scientists this way," she added. Their publication sold about 130 copies even though it wasn't cheap.

Both groups were happy that they could recover the cost of printing, which they had not expected. "The deadline for next Comiket is this coming Wednesday, and we are going to prepare the application," said Fujino. "We will be here on 30 December if we can get the tickets again". ILC is gaining fans through a unique and very Japanese way.

-- Rika Takahashi

Director's Corner

21 August 2008



Barry Barish

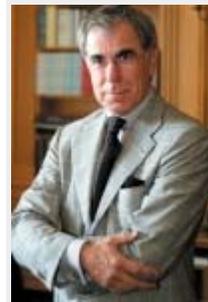
FALC meets in Rome

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At the July meeting, FALC formally chose Pierre Coulombe to be the next chairman. He will assume the position at FALC's next meeting, tentatively scheduled to be held on 19 January 2009 in Madrid. Pierre Coulombe has served as President of the National Research Council (NRC) of Canada since January 2005. Coulombe brings a broad perspective to FALC, having worked as a private industry executive, a consultant, a professor of medicine and a senior official for the Québec government prior to assuming his NRC post. Though not a high-energy physicist, Pierre Coulombe is a supporter of large international projects, and with his broad credentials he will be an effective spokesman for FALC.

Roberto Petronzio, President of INFN (Italy's Istituto Nazionale di Fisica Nucleare), became chair of FALC three years ago. During his tenure, he enlarged the mandate of FALC to include large collider projects more generally and the name of FALC was changed from 'Funding Agencies for the Linear Collider' to 'Funding Agencies for Large Colliders', keeping the same acronym, FALC. The mandate still focuses on a linear collider as the globally endorsed next large collider, but within the context of plans for large projects in particle physics regionally and globally. Clearly, any realistic plan for a large-scale global linear collider project must be considered within that context, including time scales and regional funding commitments.

FALC is not a formal organisation and as such has no official authority. However, it represents a group of well informed government officials for international projects and plans in particle physics with accelerators. The publication of an annual report by FALC is meant to share the joint knowledge of this group with policy makers in different countries. The recently released first annual report reviews the status and plans for major accelerator projects worldwide with special emphasis on the ILC.



Pierre Coulombe,
the next FALC chair



Roberto Petronzio,
outgoing chair of
FALC

Regarding the ILC, they state, "*The availability of first results from the LHC are expected to show if the ILC is the correct route for a future linear collider or whether a higher energy reach, as could be obtained with CLIC, is required. The need to reach international agreements on siting and construction, and the current availability of R&D funds all suggest the potential of a construction decision for the ILC near the*

middle of the next decade."

At the recent meeting of FALC, they showed particular interest in our plans to develop a "Project Implementation Plan." As we develop our design for the ILC over the coming few years, much of our technical oversight will come from the International Linear Collider Steering Committee and their newly appointed Project Advisory Committee. I anticipate that FALC will similarly provide guidance for our implementation plan, which will involve many policy issues regarding how to share such a large international project.

-- *Barry Barish*

