

Research Director's Report

All common task groups are ready to start



Sakue Yamada

Following the discussions with the representatives of the groups preparing the letters of intent (LOI) and the members of the common task groups during the European Committee for Future

Accelerators (ECFA) [workshop](#) in Warsaw, we have been working to reinforce the two common task groups, the detector R&D Panel and the Physics Panel, by inviting more members outside the LOI group community. During the same workshop, the Worldwide Study WWS decided to stop their panels in order to avoid overlapping of activities. This decision gave us another reason to strengthen the common task group and to expand its role. Everybody thought that the expected physics consideration of the Physics Panel would be better conducted with a wide scope, which can be brought in by theorists and experts in other fields.

[Read more...](#)

-- Sakue Yamada

[Research Director's Report](#)

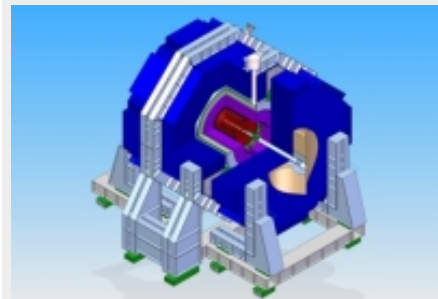
[Archive](#)

Calendar

Feature Story

SiD freezes its global parameters

Today's issue features a guest story by Marcel Stanitzki, experimentalist working at Rutherford Appleton Lab in the UK and member of the SiD collaboration.



A computer model of what a future SiD detector would look like. Graphic: Marco Oriunno (SLAC)

The third SiD Workshop this year, hosted from 17 to 19 September by the University of Colorado at Boulder, marked an important milestone on SiD's way to the Letter of Intent (LOI): the collaboration froze its detector's global parameters. The meeting was opened by Barry Barish, who reminded everyone that the "science remains the key to ultimate success" of the ILC programme and that detector development was critical. Given the difficult times for ILC funding both for accelerators and detectors, the meeting included updates on the current funding situation worldwide and on the status in France, Japan, the UK and the US. SiD additionally invited two guest speakers, Howard Nicholson from the US Department of Energy Office of High Energy Physics and Marvin Goldberg from the National Science Foundation, to give the audience an update of the US situation and the view from Washington.

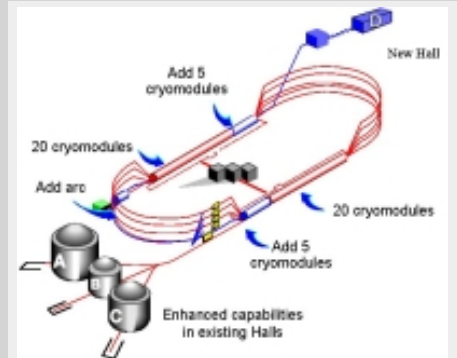
[Read more...](#)

-- Marcel Stanitzki

In the News

Director's Corner

Progress and plans for ILC R&D at JLab



The JLab CEBAF 6-GeV electron accelerator upgrade to 12 GeV

Jefferson Laboratory (JLab) in Newport News, Virginia, is a major DOE laboratory for Nuclear Physics. The laboratory has a pioneering 6-GeV electron accelerator that is based on superconducting radiofrequency (RF) accelerating technology. JLab has a great deal of expertise, experience and facilities for superconducting RF technology, making them a natural and very important partner for our ILC R&D efforts. Along with our project managers, I visited JLab last month. We wanted to carry out dedicated and in-depth meetings with the JLab ILC researchers, in which we reviewed the present ILC work and explored the options for JLab's future role in the ILC.

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

Image of the Week

Upcoming meetings, conferences, workshops

[CLIC08 Workshop](#)

CERN
14-17 October 2008

[Joint Workshop on Detector Development for Future Particle Physics and Photon Science Experiment](#)

DESY Hamburg, Germany
16-17 October 2008

[2008 IEEE Nuclear Science Symposium and Medical Imaging Conference](#)

Dresden, Germany
19-25 October 2008

[TTC Meeting](#)

New Delhi, India
20-23 October 2008

[Positron Source Meeting](#)

Daresbury Laboratory, UK
29-31 October 2008

[SiD Meeting at LCWS08](#)

Venue in Chicago to be announced
15 November 2008



[International Linear Collider Workshop \(LCWS08 and ILC08\)](#)

University of Illinois at Chicago, Chicago, USA
16-20 November 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 *SLAC*
15 October 2008

Stanford Linear Accelerator Center renamed SLAC National Accelerator Laboratory

Menlo Park, Calif. – The U.S. Department of Energy (DOE) has renamed Stanford Linear Accelerator Center the SLAC National Accelerator Laboratory.
[Read more...](#)

From *Timesonline*
14 October 2008

Where have our Nobel physics prizes gone?

International reputations are vital in particle physics, which is far too expensive and complicated to be carried out by single countries. Whichever nation ends up hosting the international linear collider, it would reap scientific and economic rewards.
[Read more...](#)

From *FUJI SANKEI BUSINESS J*
11 October 2008

国際リニアコライダー計画誘致 ノーベル物理学賞受賞で追い風
ノーベル物理学賞に南部陽一郎氏ら3氏が決まったことを追い風に、巨大加速器「国際リニアコライダー（ILC）計画」の日本への誘致が熱を帯びてきた。同計画は今後の素粒子物理学を左右するといわれる大プロジェクト。国際協力の下、世界に1カ所だけ作ることが合意されており、2013年までに最終候補地が決定、20年ごろの稼働を目指す。
[Read more...](#)

From *The Japan Times*
10 October 2008

Credit to scientific pioneers

...The awarding of the Nobel Prize to the four scientists should foster government and popular support for basic scientific research in Japan, and help stabilize employment for researchers.
[Read more...](#)

From *ZDNet.fr*
10 October 2008

Dans les coulisses de l'accélérateur de particules du Cern

Le centre informatique du Cern (Centre européen de recherche nucléaire), à Genève, héberge 8 000 serveurs dotés d'un total de 40.000 cœurs Intel, dédiés au laboratoire de recherche...
[Read more...](#)

Weltmaschine exhibition opens in Berlin



An unusual location for an unusual project: on Tuesday the LHC exhibition 'Weltmaschine' was opened in an unserved subway station in Germany's capital Berlin by German minister of education and research Annette Schavan. Gigantic photographs by Peter Ginter from the LHC construction phase stretch from platform to ceiling, and along the sides genuine machine and detector parts, along with texts and hands-on exhibits, tell the story (in German and English) of the 'world machine' LHC. It also features the world's first hands-on exhibit on the Higgs mechanism! Photo: Karen Massine

Announcements

EUROTeV Reports

[2008-027](#)

Laser Based Beam Diagnostics

[2008-049](#)

GDFIDL Simulations of International Linear Collider Candidate Collimator Assemblies

[2008-051](#)

Design and Performance of a Prototype Digital Feedback System for the International Linear Collider Interaction Point

[2008-052](#)

Placet Based Start-To-End simulations of the ILC with Intra-Train Fast Feedback System

[2008-053](#)

Layout and Simulations of the Font System at ATF2

From *SANKEI NEWS*

10 October 2008

巨大加速器「国際リニアコライダー計画」誘致 ノーベル物理学賞受賞が追い風
ノーベル物理学賞に南部陽一郎氏ら3氏が決まったことを追い風に、巨大加速器「国際リニアコライダー（ILC）計画」の日本への誘致が熱を帯びてきた。同計画は今後の素粒子物理学を左右するといわれる大プロジェクト。国際協力の下、世界に1カ所だけ作ることが合意されており、2013年までに最終候補地が決定、20年ごろの稼働を目指す。

[Read more...](#)

From *CHOSUN ONLINE*

10 October 2008

科学分野でノーベル賞13人の日本、その秘訣とは（中）

...その上、政府の支援も積極的だ。河村建夫官房長官は8日、「宇宙誕生の原理を解明する国際プロジェクト“国際リニアコライダー（ILC）”を日本に招致する必要がある」と述べた。このプロジェクトは建設だけで数兆ウォンかかると予想されている。

[Read more...](#)

From *physicsworld.com*

9 October 2008

Japan shows interest in hosting the ILC

Since the Nobel Prize for Physics was awarded this week to three Japanese-born researchers, it seems like Japan has gone particle-physics crazy, or at least the Japanese government has. So much so that Japan now wants to host the next big experiment in particle physics — the International Linear Collider (ILC)...

[Read more...](#)

From *CHOSUN ONLINE*

9 October 2008

ノーベル化学賞にも日本人、喜びに沸く日本列島

....河村建夫官房長官は8日、宇宙誕生の原理を究明するために高エネルギー電子加速器を建設する「国際リニアコライダー（ILC）」計画を日本に誘致する必要があると表明した。同プロジェクトには建設費だけで数千億円が必要となる。

[Read more...](#)

From *CHOSUN ONLINE*

9 October 2008

Korea Looks to Emulate Japan's Nobel Prize-winning Scientists

Read more ([in English](#), [in Korean](#))