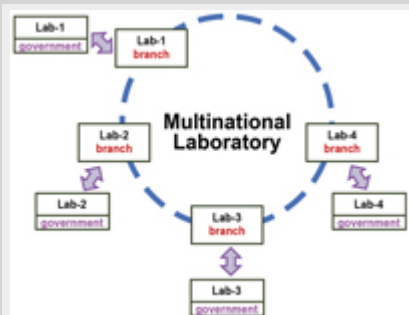


Feature Story

Your chance to influence the Project Design Guidance

Jonathan Bagger invites the ILC community to comment on white paper



A conceptual supporting model of a multinational-laboratory

At the end of 2012, the Global Design Effort (GDE) will release its *Technical Design Report*. At the same time, the Research Directorate (RD) and the ILC community will produce detailed baseline designs for two detectors.

What then?

This is the question being addressed by the International Linear Collider Steering Committee (ILCSC), the body charged by the International Committee for Future Accelerators (ICFA) with overseeing the design of the ILC and its detectors.

[Read more...](#)

-- Jonathan Bagger, Chair, the International Linear Collider Steering Committee

BlogLine

2 October - Frank Simon
[I'm an Addict – But not the only one!](#)

[Follow all Quantum Diaries](#)

Calendar

Upcoming meetings, conferences, workshops

[eCloud 2010](#)
Cornell University, NY, USA
8-12 October 2010

 [International Workshop on Linear Colliders 2010 \(IWLC2010\)](#)
[ECFA-CLIC-ILC joint meeting](#)
CERN and CIGC, Switzerland
18-22 October 2010

[2010 IEEE Nuclear Science Symposium and Medical Imaging Conference](#)
Knoxville, Tennessee, USA
30 October - 6 November 2010

Feature Story

Georges Charpak: a revolution in particle detection

It's hard to imagine a particle physics experiment that wouldn't use one of his concepts. Georges Charpak, Nobel Prize-winning physicist, passed away last week. Particle physicists owe him a lot, and so does the general public, since his inventions yield applications in many other fields that use ionising radiation such as biology, radiology and nuclear medicine.



Georges Charpak invents the multi-wire proportional chamber in 1968.
Image CERN

Georges Charpak, CNRS then CERN experimental physicist, revolutionised particle detection in 1968 and was awarded the Nobel Prize in physics in 1992 "for his invention and development of particle detectors, in particular the multiwire proportional chamber."

[Read more...](#)

-- Perrine Royole-Degieux

In the News

From *Nobel Foundation*
5 October 2010

The Nobel Prize in Physics 2010: Andre Geim, Konstantin Novoselov

The Nobel Prize in Physics 2010 was awarded jointly to Andre Geim and Konstantin Novoselov "for groundbreaking experiments regarding the two-dimensional material graphene"

[Read more...](#)

From *GS1*
4 October 2010

International agreement on the FAIR international accelerator facility

Nine countries are involved in one of the world's largest research projects in Darmstadt

[Read more...](#)

From *New York Times*
3 October 2010

Georges Charpak, Physics Nobel Winner, Dies at 86

Georges Charpak, who won the 1992 Nobel Prize in Physics for inventing a device to sift through the billions of hurtling subatomic particles liberated by collisions in atom smashers, opening the way for discoveries on the nature of matter, died on Wednesday in Paris

[Read more...](#)

Director's Corner

Novosibirsk



Scanned at the American Institute of Physics
Pief Panofsky with Gersh Budker at the Institution of Nuclear Physics in Novosibirsk.

I had the interesting experience recently of spending four days at a meeting in Novosibirsk, Russia. I was an invited speaker at the 13th CERN-ISTC SAC seminar entitled "[New Perspectives of High Energy Physics](#)." The seminar was held at the Budker Institute for Nuclear Physics (BINP), a famous laboratory credited with many of the innovations in modern particle accelerators. I will write separately about the ISTC (International Science and Technology Center) seminar. This week I focus on our venue, and its history and impressive contributions to particle accelerators. Those of us who have worked on or done research using particle accelerators are well aware of the various schemes invented and developed in Novosibirsk.

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

Announcements

arXiv preprints

[1010.0052](#)

Lepton flavor violating signals of the LHT model via e^+e^- and $\gamma\gamma$ collisions at the ILC

[1009.5961](#)

P/CP Conserving CP/P Violation Solves Strong CP Problem

[SiD Workshop](#)

University of Oregon, Eugene,
Oregon, USA
15-17 November 2010

[X-Band Structures, Beam Dynamics
and Sources Workshop \(XB-10\)](#)

Cockcroft Institute, Daresbury, UK
30 November - 3 December 2010

Upcoming schools

[Fifth International Accelerator School
for Linear Colliders](#)

Villars-sur-Ollon, Switzerland
25 October - 5 November 2010

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

From *INFN*

1 October 2010

**SuperB project moves forward,
preparing for construction**

SuperB has now completed and published on arXiv.org a series of progress reports detailing the impressive progress made since the CDR, in consolidating the physics case (arXiv:1008.1541 [hep-ex]) and the design, cost and schedule of the SuperB detector and accelerator.

[Read more...](#)

From *The Guardian*

30 September 2010

**Scientists threatening to leave
Britain: case studies**

Five of the UK's leading experts tell how cuts to research funding are forcing them to look abroad

[Read more...](#)

From *The Pioneer*

30 September 2010

**Upcoming Barish lecture appeals
to scientists, non-scientists alike**

Dr. Barry Barish, a leading member in the field of physics, is coming to Whitman College on Thursday, Sept. 30 to give a lecture on general relativity.

[Read more...](#)