

### Around the World

#### Summer Challenge programme for young intelligence

About 90 students from all parts of Japan gathered at the Summer Challenge programme held at KEK, Tsukuba from 21 to 29 August 2010. Starting in 2007, this programme intended for junior students who are interested in high-energy physics was the fourth in the series this year.



Summer Challenge poster

"The aim of the Summer Challenge programme is to encourage young students who will form the basic science for future," said Tomiyoshi Haruyama who acts as a head of the programme. "When they were children, they must have had the experience to be surprised by a strange phenomenon they had never seen before. I want them to be surprised once again, by the frontier facilities, the experiments and realise why they like science. So, I made the theme of this year's programme "You will be astonished, this summer"."

[Read more...](#)

-- Yu Takahashi

### BlogLine

1 September 2010 - *Frank Simon*  
[Getting ready for beam](#)

[Follow all Quantum Diaries](#)

### Calendar

#### Upcoming meetings, conferences, workshops

[First Baseline Assessment Workshop](#)  
KEK, Tsukuba, Japan  
7-10 September 2010

[XXV Linear Accelerator Conference \(LINAC10\)](#)  
Tsukuba, Japan  
12-17 September 2010

[Topical Workshop on Electronics for Particle Physics \(TWEPP-10\)](#)  
Aachen, Germany  
20-24 September 2010

[Symposium on the Superconducting Science and Technology of Ingot Niobium](#)  
Jefferson Lab, Newport News, USA  
22-24 September 2010

### Around the World

#### Progress on China's collaboration with XFEL and FAIR



The attendees listen to a report during the annual meeting of "Basic Research on the FEL and FAIR" project. *Image: Min Zhang*

The European X-ray Free Electron Laser (European XFEL) and the Facility for Antiproton and Ion Research (FAIR) are two important international cooperative science facilities mainly led by Germany. China has participated in the R&D of some detectors, low-temperature systems, high-performance undulators, superconducting material and special material for these projects. On 29 August 2008, the project "Basic Research on the FEL and FAIR" supported by China's national programme for key basic research and development (officially called 973 programme) started. The project is coordinated by the Institute of High Energy Physics, Chinese Academy of Science (IHEP), and about ten different research institutes, universities and corporations in China participate in this project, including the Institute of Modern Physics, Peking University, Tsinghua University, Orient Tantalum Industry Corp. (OTIC), etc.

[Read more...](#)

-- Min Zhang

### In the News

From *Physics World*  
1 September 2010  
**Three-year extension recommended for Tevatron**  
Fermilab's Tevatron collider looks set for a new lease on life following a campaign to keep the facility running beyond the end of 2011.  
[Read more...](#)

From *The Guardian*  
27 August 2010  
**Cuts put Britain's science reputation on the line**  
Withdrawing Britain from projects such as the Large Hadron Collider is not just an economic matter – it's a people one, too.  
[Read more...](#)

From *Gazeta*  
27 August 2010

### Director's Corner

#### ILC R&D plan updated



Our R&D plan has once again been updated to reflect a number of significant developments in our present four-year GDE programme. The document is entitled "[ILC Research and Development Plan for the Technical Design Phase – Release 5](#)" and we consider this plan to be a 'living' document, in the sense that we update it roughly every six months to maintain the most current description of our programme, goals and resources. Our main goal remains unchanged. It is to produce a *Technical Design Report* (TDR) and *Project Implementation Plan* (PIP) for the ILC at the end of 2012 that can be used to propose the project to governments.

[Read more...](#)

-- Barry Barish

#### [Director's Corner Archive](#)

### Announcements

#### arXiv preprints

[1008.5202](#)  
Scaling Law of Beam Break-Up for Single Ultrashort Bunch in RF Linac

[1008.5068](#)  
Cosmic ray tests of a GEM-based TPC prototype operated in Ar-CF<sub>4</sub>-isobutane gas mixtures

[1st International Workshop on Accelerator-Driven Sub-Critical Systems & Thorium Utilization](#)  
Virginia Tech, Blacksburg, Virginia, USA  
27-29 September 2010

[19th International Spin Physics Symposium \(SPIN 2010\)](#)  
Jülich, Germany  
27 September - 2 October 2010

[EUNET Annual Meeting 2010](#)  
DESY, Hamburg, Germany  
29 September - 1 October 2010

#### Upcoming schools

[Fifth International Accelerator School for Linear Colliders](#)  
Villars-sur-Ollon, Switzerland  
25 October - 5 November 2010

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[GDE Meetings calendar](#)

[View complete ILC calendar](#)

#### Зачем Дубне коллайдер?

Что такое линейный коллайдер и зачем он нужен, если уже создан и работает БАК? Стоит ли Дубне бороться за право разместить проект на своей территории? Какие выгоды этот проект сулит нашей стране? На эти и другие вопросы отвечают в своей лекции представители Global Design Effort — международного научного сообщества, проектирующего ILC.  
[Read more...](#) (in Russian)

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From *The Guardian*  
26 August 2010

#### UK scientists on collision course over £1bn research cuts

Officials fear planned 25% cuts could jeopardise Britain's involvement in the Large Hadron Collider at Cern  
[Read more...](#)

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From *CERN Courier*  
24 August 2010

#### IPAC '10: accelerating to an international level

A new era of communication in the particle-accelerator community began in Kyoto in May, with the first in a new international series of annual particle-accelerator conferences.  
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