

### Feature Story

#### XFEL and ILC: Accelerating in the Family



Artist's impression of the experiment buildings of the future European XFEL project at DESY in Germany.

High-energy physics is a lot like family. At university you are born into it, your thesis supervisor parents have a great influence on you, you always stay close to your brothers and sisters, even though they annoy you sometimes. It's always there with you, it's in your blood, you can never forget it completely. You get partner-institute in-laws, go to family reunion meetings and see your summer student children grow up. The particles you study have their own little mysterious families. And even accelerators have big and small brothers, cousins, parents and grandchildren.

[Read more...](#)

-- Barbara Warmbein

### Calendar

#### Upcoming meetings, conferences, workshops

[2006 Linear Accelerator Conference](#)  
Knoxville, Tennessee, USA  
21-25 August 2006

[Linear Collider Physics School 2006](#)  
Ambleside, UK  
14-19 September 2006

[TTC Meeting \(Tesla Technology Collaboration\)](#)  
KEK ([Information on schedule and logistics](#))  
25-28 September 2006

[9th International Workshop on Accelerator Alignment](#)  
Stanford Linear Accelerator Center

### Feature Story

#### Fermilab's New Clean Room Sparkles



A rail system runs under the entire clean room, where the cavities rest and await assembly.

Earlier this summer in June, Fermilab's Cryomodule Assembly Facility gained a brand new state-of-the-art clean room. Just like the delight you get from the smell of a brand new car, Fermilab's Cryomodule Assembly Facility literally has that pristine, perfectly clean look and feel to it. And the goal is to keep it that way. "The trick is to keep your room as clean as possible," said Fermilab's Tug Arkan, a cryomodule production engineer.

[Read more...](#)

-- Elizabeth Clements

### In the News

From *Time Magazine*  
13 August 2006

#### The Unraveling of String Theory

Two new books argue that the hottest idea in physics is just a passing fad.

[Read more...](#)

From *New Scientist*  
12 August 2006

#### Editorial: Loop quantum gravity increases its pull

String theory's main rival has earned the right to be taken seriously - it could be the most profound scientific generalisation of all time.

[Read more...](#)

### Director's Corner

#### Happy Birthday GDE



The GDE is one year old and walking the walk and talking the talk.

One year ago, most of the 49 newly appointed members of the Global Design Effort came to Snowmass, Colorado, for the International Linear Collider Workshop where they participated in our first GDE face-to-face meeting. On 16 August 2005, the GDE members trudged up the hill at Snowmass to a small meeting room – the birthplace of the GDE. At that meeting I defined our mission, our initial organisation and some of our milestones. Now, one year later, I'd like to reflect on how far we have come in our first year of existence.

[Read more...](#)

-- Barry Barish

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

### Announcements

#### ILC-Related Preprints

[physics/0608135](#)

12 August 2006

On Field Emission in High Energy Colliders Initiated by a Relativistic Positively Charged Bunch of Charged Particles

[hep-ph/0608106](#)

11 August 2006

Partially composite 2-Higgs-doublet model

[physics/0608090](#)

8 August 2006

Data Acquisition in the EUDET Project

25-29 September 2006

[ILC Damping Rings R&D Workshop - ILCDR06](#)

Cornell University  
26-28 September 2006

[The International Workshop on Thin Films](#)

Legnaro, Padua (ITALY)  
9-12 October 2006

[EUDET Annual Meeting 2006](#)

MPI Munich  
18-20 October 2006

[View Full Calendar...](#)

[GDE Meetings Calendar](#)

From *Science*  
11 August 2006

### **A 'Landscape' Too Far?**

A radical new interpretation of string theory raises the prospect of untold numbers of separate universes with different physical laws--an idea that some physicists say threatens the foundation of their science

[Read more...](#)

(member access required)

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From *SLAC Today*

10 August 2006

### **Single Positron Damping Ring for ILC**

Surrounded by the beautiful mountains and bay of Vancouver, Canada, the damping ring group made an important decision during the recent International Linear Collider (ILC) Workshop VLCW06.

[Read more...](#)