

Around the World

From Fermilab Today : Fermilab's superconducting cavity program moves forward



Third harmonic accelerating module team members Tug Arkan, Chuck Grimm and Jeff Wittenkeller stand in front of the completed, packed and ready to ship 3.9 GHz cryomodule.

Superconducting cavity development at Fermilab recently reached a major milestone.

Fermilab scientists and engineers shipped their first successfully completed and tested 3.9 GHz superconducting module to DESY on Friday, April 24.

[Read more...](#)

-- Andre Sulluchuco

Calendar

Upcoming meetings, conferences, workshops

[Particle Accelerator Conference 2009 \(PAC09\)](#)

Vancouver, Canada
4-8 May 2009

[11th European Symposium on Semiconductor Detectors](#)

Wildbad Kreuth Conference Center, Bavaria, Germany
7-11 June 2009

[ILC-CLIC LET Beam Dynamics Workshop at CERN](#)

CERN, Switzerland
23-25 June 2009

[Polarized Positron for Linear Colliders Workshop \(Posipol 2009\)](#)

IPNL, Lyon, France
23-26 June 2009

Feature Story

Angels and Positrons

Antimatter at the ILC

Antimatter is likely to matter quite a lot in the next weeks. Hollywood has made its movie version of Dan Brown's thriller *Angels and Demons*, directed by Ron Howard and starring Tom Hanks as Robert Langdon, and the film will hit cinemas around the world starting on 13 May. If you know the book you'll know what ILC *NewsLine* has to do with it: it's all about antimatter!

[Read more...](#)

-- Barbara Warmbein



Lecture Nights around the world will reveal the science behind "Angels & Demons". TM & © 2009 Columbia Pictures Industries, Inc. All rights reserved.

In the News

From *Science*
5 May 2009

Chu Pegs ILC Cost at \$25 Billion

The International Linear Collider (ILC), a proposed 40-kilometer-long particle smasher, would cost a lot. But how much? U.S. Secretary of Energy Steven Chu and the leader of the project don't agree.

[Read more...](#)

From *Symmetry Breaking*
May 2009

The stuff you can do with accelerators

There are 15,000-17,000 particle accelerators in the world. Yes, those numbers are correct! So where are they all?

[Read more...](#)

From *Fermilab/University of Minnesota*
1 May 2009

Officials break ground for the

Director's Corner

Garbincius joins GDE Executive Committee

The organisation of the Global Design Effort – the ILC's management team – is more than a little unconventional. As Director, my boss is actually not a person, but rather two committees. Much of the work I "direct" is actually carried out as part of various laboratory



Peter Garbincius, Fermilab, newly appointed to the GDE Executive Committee

programmes and is not actually under my direction. Nevertheless, the unconventional GDE organisation has been effective at producing a well-regarded reference design and now is well underway towards refining and optimising that design through a four-year programme to develop an ILC technical design. The heart of the GDE organisation and central 'engine' is an Executive Committee (EC) that works very closely with me on carrying out all important policy, organisational and operational matters. Today, I am pleased to announce that Peter Garbincius of Fermilab has joined the EC.

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

BlogLine

6 May - [Frank Simon](#)
[A Night at the Castle](#)

5 May - [Frank Simon](#)
[Naming an Experiment: A never-ending Story?](#)

3 May - [Frank Simon](#)
[Calorimetry at the ILC - Part 2: Granular Detectors](#)

[Follow all Quantum Diaries](#)

[FCAL meeting](#)

DESY Zeuthen, Germany
29-30 June

Upcoming schools

[The 2009 Hadron Collider Physics Summer School](#)

CERN
8-17 June 2009

[Summer School on Particle Physics, Cosmology and Strings](#)

Perimeter Institute, Waterloo, Canada
24 June - 1 July 2009

[International School of Physics "Enrico Fermi" \(SIF\)](#)

[Radiation and particle detectors](#)
Varenna, Villa Monastero, Italy
20-25 July

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

world's most advanced neutrino experiment

"The NOvA project is an investment in our scientific future that will help us to better understand the role that neutrinos have played in the evolution of the universe," said Dennis Kovar
[Read more...](#)

From *Cern*
30 April 2009

Final LHC magnet goes underground

The final magnet, a quadrupole designed to focus the beam, was lowered this afternoon and has started its journey to Sector 3-4, scene of the September incident.
[Read more...](#)

From *US LHC*
30 April 2009

Lecture nights reveal the physics of Angels & Demons

Worldwide, scientists working on experiments at the Large Hadron Collider will host lectures and other Angels & Demons-related events for press and the public.
[Read more...](#)

Announcements

arXiv preprints

[0905.0597](#)

Pair production of neutral Higgs bosons from the left-right twin Higgs model at the ILC and LHC

[0904.4694](#)

Dual-readout, Particle Identification, and 4th

[0904.4574](#)

Flavour violating squark and gluino decays

EUROTeV Reports

[2008-085](#)

Report on Comparative Studies of Beam Based Alignment

[2008-088](#)

Advance Software Package(s) for Modelling Luminosity Performance

[2008-089](#)

COLSIM: Collimator Simulation Final Report

[2008-090](#)

ILPS Deliverable 2: Report on Luminosity Tuning and Control Strategies.