

Calendar

Fri., February 9

12:00 p.m. Wellness Works
Brown Bag Seminar -
CANCELLED

3:30 p.m. Director's Coffee
Break - 2nd floor crossover

4:00 p.m. Joint Experimental
Theoretical Physics Seminar -
1 West

Speaker: B. Casey, Brown
University

Title: DZero Results on CP
Violation in B_s Mixing

THERE WILL BE NO ALCPG
ILC PHYSICS AND
DETECTOR SEMINAR THIS
WEEK

Mon., February 12

1:30 p.m. Research
Techniques Seminar - West
Wing

Speaker: C. Jackson, SensL
Technologies Ltd. WH10NW
Title: Low Light Sensing with
Silicon Photomultipliers

2:30 p.m. Particle
Astrophysics Seminar - Curia II
Speaker: M. Kistler, Ohio State
University

Title: High-Energy Neutrinos:
Spawn of Cosmic Rays

3:00 p.m. SPECIAL
DIRECTOR'S COFFEE
BREAK -

Come and see the
LHC@FNAL Remote
Operations Center - Atrium
East

4:00 p.m. All Experimenters'
Meeting - Curia II
Special Topic: Multi-Batch Slip
Stacking for NuMI

[Click here](#) for NALCAL,
a weekly calendar with links
to additional information.

Weather

Feature

Buffalo Soldiers: Proud heritage in US history



An African-American corporal of the 9th Cavalry in Denver, 1890. Source: Denver Public Library.

The headline in Wednesday's *Fermilab Today* story, "Buffalo Soldier," has led readers to recall the heroic contributions of 19th-century African-American troops who were known by that name. That association offers a welcome opportunity for *Fermilab Today* to recognize Black History Month in the US.

Ironically, African-Americans had served freely in largely-integrated units during the American Revolution. But up to the early years of the Civil War, they were barred by Federal law from serving in the U.S. Army. Only after President Lincoln's Emancipation Proclamation in 1863 were they allowed to enlist, albeit in all-black units. The first of these was the Fifty-fourth Massachusetts Colored Regiment, led by white officer Robert Gould Shaw. The regiment was renowned for its heroism, inspiring (among many tributes) the 1989 film "Glory," starring Denzel Washington, Morgan Freeman and Matthew Broderick. By the end of the war, an estimated 179,000 black soldiers served in Union Army.

In 1866, Congress created six African-American units in the U.S. Army infantry. The members of these regiments were the first Black professional soldiers in a peacetime US army. They were nicknamed "Buffalo Soldiers" (actually, "Wild Buffalo") by Native-American Cheyenne warriors, who viewed these fierce new enemies with great respect.

But racial segregation remained in place throughout two World Wars, until July 1948,

ILC NewsLine

Ni Hao!

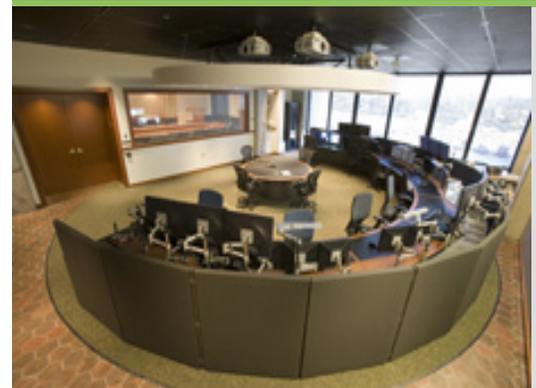


[Click image to see highlights from the event.](#)

More than two hundred scientists and engineers travelled around the globe this past week to attend the 2007 Beijing ILC Workshop at IHEP. The meeting kicked off with GDE Director Barry Barish releasing the draft Reference Design Report and preliminary cost estimate to the meeting attendees. With the publication of the reference design, scientists and engineers welcomed the start of the next phase of the ILC project – the Engineering Design. A global R&D programme will drive the three-year engineering phase, which will be organised by a project management team within the GDE. In parallel, members of ACFA also met to share progress on ILC detector development, discuss the Detector Concept Report and initiate a dialogue on the roadmap for the World-Wide Study. The workshop culminated with a banquet, acrobats and an ICFA press conference to publicly release the Reference Design Report.

[Read More](#)

Photo of the Day



The wall is down: The LHC@FNAL Center in Wilson Hall is now exposed to the world. The plywood construction wall came down yesterday



Partly Cloudy 13°/-3°

[Extended Forecast](#)[Weather at Fermilab](#)[Current Security Status](#)[Secon Level 3](#)[Wilson Hall Cafe](#)**Friday, February 9**

-Beef Pepper Pot
 -Buffalo Chicken Wings
 -Cajun Breaded Catfish
 -Sweet and Sour Pork over Rice
 -Honey Mustard Ham and Swiss Panini
 -Assorted Slice Pizza
 -Carved Turkey

[Wilson Hall Cafe Menu](#)[Chez Leon](#)**Wednesday, February 14 Lunch**

-Spinach Fettuccine with Shrimp and Roasted Red Pepper
 -Red Cabbage and Radish Salad
 -Passionate Parfaits

Thursday, February 15 Dinner

BOOKED

[Chez Leon Menu](#)

Call x4598 to make your reservation.

[Archives](#)[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[ILC NewsLine](#)[Info](#)

when President Harry Truman signed Executive Order 9981, officially desegregating the U.S. armed forces. To date, according to the Pueblo (Colorado) Medal of Honor Foundation, some 87 African-Americans have received the Congressional Medal of Honor, the nation's highest award for valor in action. Included are 14 African-Americans who fought in the Indian Wars--the Buffalo Soldiers.

--Mike Perricone

[More information](#)[In the News](#)**Science****February 8, 2007****International Team Releases Design, Cost for Next Great Particle Smasher**

An international team has released a preliminary design and cost estimate for the International Linear Collider (ILC), the hoped-for straight-shot particle smasher that many researchers say is the future of their field.

In Beijing this week, the ILC Global Design Effort (GDE) team reported that the "value" of the 35-kilometer-long machine would be \$6.65 billion and 13,000 person-years of labor, plus or minus 30%. The value differs from a cost estimate because it does not account for inflation until the machine is completed--in 2016 at the earliest--or so-called contingency to cover potential cost overruns, which different countries handle in different ways, says Barry Barish of the California Institute of Technology in Pasadena, who leads the GDE.

Including such factors would, for example, likely double the amount entered in the ledgers of the U.S. government. So if the United States hosted the machine and bore half the expense, its contribution would total about \$7.5 billion, Barish says.

[Read More](#)**Related links:**

- [New York Times](#)
- [Wired](#)
- [Physics Web](#)
- [Chicago Tribune](#)

after months of work, revealing a fresh new control center complete with a projection wall and glass that becomes opaque with the flip of a switch. Gather with friends and colleagues at a special Director's Coffee Break in the atrium Monday at 3:00 p.m., and you'll get a chance to check it out.

[Announcements](#)**New Computer Programming Course**

The second course in the ongoing "Selected Topics in Computer Programming" series will take place on Tuesday, February 13.

Presented in a single 150-minute session, this second offering, "Fine Points of C++ Pointers: Dumb, Smart, and Smarter," is aimed at programmers with C++ experience, and will deal in depth with issues related to pointer manipulation in C++ programs. Attendees will learn best-practice techniques of resource management in modern standard C++, and will be prepared for related new techniques that will become available in the next C++ standard.

There is no cost to attend, and TRAIN credit will be awarded to participants.

Walter Brown, who participates on Fermilab's behalf in the international C++ standardization effort, is the course instructor and series coordinator. He is a member of the Computing Division's Lab and Core Services unit.

Course registration is now open. The course announcement and syllabus are available [online](#).

NALWO Slide presentation

On Thursday, February 15, Susan Kayser of NALWO will hold a travelogue of Egypt slide presentation from 11:30 a.m. until 1:30 p.m. in 1 North of Wilson Hall. Lab women, guests, visitors, users and employees are invited. Taxi service is available from the Village by calling x4225. Please bring your own sack lunch or snack. For additional information, contact the Housing Office at 630-840-3777 or housing@fnal.gov, or call Rose Moore at 630-208-9309.

Family Open House

Get ready for the family open house this Sunday from 1:00 p.m. to 5:00 p.m. at Fermilab. There will be tours, a cryo-show, light-boxes, and a "Hair-Raising Electricity of the 19th Century" exhibit, and many other attractions. Read more [here](#).

Classifieds

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