Fermilab Today

Tuesday, Oct. 27, 2009

Calendar

Have a safe day!

Tuesday, Oct. 27
3:30 p.m.
DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over
4 p.m.
Accelerator Physics and Technology Seminar - One West
Speaker: Allen Caldwell, Max Planck Institute, Munich
Title: Accelerator R&D at the Max Planck Institute for Physics in Munich: Muon Frictional Cooling and Proton Driven Plasma Wakefield Acceleration

Wednesday, Oct. 28
3:30 p.m.
DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over
THERE WILL BE NO FERMILAB COLLOQUIUM THIS WEEK

Click here for NALCAL, a weekly calendar with links to additional information.

Campaigns

Take Five

Tune IT Up

Weather

Mostly cloudy
57°/48°

Extended Forecast
Weather at Fermilab

Current Security Status

Secon Level 3

Wilson Hall Cafe

Feature

Ron Moore, new chair of the Users' Executive Committee

Ron Moore, head of the Tevatron Department, in the control room. Moore was elected in September as new chair of the Users' Executive Committee.

As head of the Tevatron Department, Ron Moore is part of an on-call group that accelerator operators can page at any hour, day or night, with problems.

As the newly elected chair of the Users' Executive Committee, Moore will be on call to represent more than 2,000 Fermilab users in an important but far less sleep-disrupting role.

The UEC's typical roles include organizing the Users' Meeting in June and serving as a liaison between users and Fermilab.

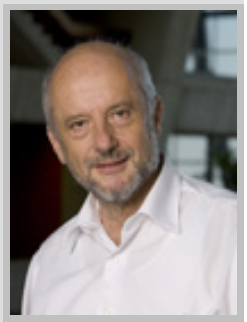
UEC committee members elected Moore as chair in early September. Moore decided he wanted to be a member of the committee last year at the suggestion of colleagues. Last year he served on the Users' Meeting Committee and chaired the Quality of Life subcommittee. He also participated in the UEC's annual trip to Washington with the SLAC and U.S. LHC Users Organization, leading to a greater interest in public outreach.

As part of that public outreach, Moore began blogging in June on Quantum Diaries, where he shares an inside look at the laboratory and writes about how scientists work, along with posts about what's going on outside the laboratory. He also provides daily updates on his Twitter and Facebook accounts, both of which have more than 300 followers.

During his one-year term as chair, Moore hopes Fermilab's users will actively participate in activities they arrange. Other priorities include making sure amenities users enjoy,

Director's Corner

PASAG



Pier Oddone

Last week the High Energy Physics Advisory Panel (HEPAP) received the report of the Particle Astrophysics Scientific Assessment Group (PASAG) and approved it unanimously for transmission to DOE and NSF. Professor Steve Ritz of the University of Santa Cruz chaired the assessment group. They worked over the last several months on its charge to "re-examine current and proposed U.S. research capabilities in particle astrophysics ... needed to achieve an optimum program in the context of various budget scenarios."

In putting together the program under various budget scenarios, the PASAG stated explicitly their criteria for setting priorities. These criteria, if accepted by DOE, would serve as a guide to what belongs and does not belong in a DOE program such as ours. Using these criteria, the demarcation for what belongs in the DOE program is judged by the impact on fundamental research and the special strengths that particle physicists bring to the table, not on specific topics or techniques. One important consequence is that work on the Cosmic Microwave Background that had been effectively excluded before is recommended in all budget scenarios.

For our Fermilab program, this report is very favorable. Ongoing programs such as the Dark Energy Survey are fully supported in all budget scenarios. For the future, there is strong emphasis on the study of dark matter and dark energy. PASAG recommends the scaling of CDMS to a 100-kilogram detector mass at Canada's SNOLAB in all budget scenarios, but it leaves the choice open for what technologies should be scaled to 1-ton detector mass and beyond. An important recommendation by PASAG for future projects in dark energy is to optimize the combined reach of space- and ground-based experiments. For us the study of dark energy would start with DES and would continue with some combination of JDEM, LSST and

Tuesday, Oct. 27
- Bagel sandwich
- Creamy turkey vegetable soup
- Chili dog
- Country-fried steak
- Chicken cacciatore
- Italian panini with provolone
- Assorted slices of pizza
- Super burrito

Wilson Hall Cafe Menu

Chez Leon

Wednesday, Oct. 28
Lunch
- Flank steak with shitake mushroom sauce
- Ginger scallion rice
- Coconut custard

Thursday, Oct. 29
- Closed

Chez Leon Menu
Call x3524 to make your reservation.

Archives

Fermilab Today

Result of the Week

Safety Tip of the Week

CMS Result of the Month

User University Profiles

ILC NewsLine

Info

such as Fermilab's pool and gym, remain open as much as possible.

Moore earned bachelor's degrees in physics and mathematics at Penn State University. As a Ph.D. student at the University of Michigan, Moore worked on the L3 experiment at CERN and joined the CDF experiment as a post-doc.

Moore joined Fermilab in 2001 in the Accelerator Division's Tevatron Department and is still a member of the CDF collaboration. He grew up in Greensburg, Pa., and lives in Batavia.

— Chris Knight

Special Announcement

Fermilab releases long-range accelerator schedule

Fermilab Deputy Director Young-Kee Kim released the laboratory's new draft schedule for accelerator experiments during a presentation to the High-Energy Physics Advisory Panel last week.

The new proposed schedule, which stretches to 2013, shows plans to keep the Tevatron running through 2011. Fermilab then proposes to shut down the accelerator complex for about a year to upgrade the proton source and change the configuration of the NuMI beam.

Both the long-range schedule and a two-year, near-term schedule are available at the HEPAP program planning Web pages.

Photo of the Day

Service Awards - 30 years

Eight Fermilab employees received service awards in September for 30 years of service. Front row, from left: William Mumper, Jim Zagel, Butch Hartman and Rolando Flores. Back row, from left: Chris Richardson, Sten Hansen, Bill Higgins and Pat Sanchez. Bruce Chrisman, on the right, presented the award.

BigBOSS, depending on budget scenarios. The study of dark energy as recommended by PASAG would constitute the largest investment in all budget scenarios, but it would be severely curtailed in the lowest scenarios. In the area of cosmic rays, the committee recommended proceeding with Pierre Auger North in the two highest budget scenarios. In the area of Cosmic Microwave Background, the committee recommended support of QUIET II in all budget scenarios. Our problem - not unusual around this place - is that we have probably too much to do, especially when one considers the new ideas beyond what PASAG considered. We will have tough choices to make.

Accelerator Update

Oct. 23-26
- Five stores provided approximately 57.5 hours of luminosity
- FESS cleaned the F0 pond water strainer
- P1 transfer line trips due to power supply
- Pbar autotune program rebooted

Read the Current Accelerator Update
Read the Early Bird Report
View the Tevatron Luminosity Charts

Announcements

Latest Announcements

Health Risk Assessments - Learn more about your potential health risks

Coed indoor volleyball starts in November

Badminton League open house tomorrow

"Taking Care of Yourself as Caregiver" - Oct. 28

Overcome Your Fear of Public Speaking - Oct. 29

Facilitating Meetings That Work - Nov. 4

Fred Garbo Inflatable Theatre at Fermilab Arts Series - Nov. 7

PowerPoint Tips and Tricks - Nov. 11

Access 2007: Intermediate - Nov. 18

Process Piping (ASME B31.3) class offered in October and November

Fermilab Today
is online at:
www.fnal.gov/today/

Send comments and suggestions to:
today@fnal.gov

Visit the Fermilab
home page

From *symmetry breaking*

Beam is back in the LHC

From *symmetry breaking*, Oct. 26, 2009

CERN reports that beams of protons and lead ions were injected into the Large Hadron Collider this weekend. The beams made a partial tour of the LHC in both directions before being dumped. This marks the first time in more than a year that particles have entered the LHC, and the first time ever that lead ions traveled through part of the LHC.

Read more

HTML Intro: Intro to Web Publishing - Dec. 1

"The Night Before Christmas Carol" at Fermilab Arts Series - Dec. 5

Discount movie tickets available

Chicago Bulls discount tickets

Chicago Blackhawks discount tickets

Thai Village restaurant discount

Additional activities

Submit an announcement