

Calendar

[Have a safe day!](#)

Tuesday, Aug. 17

8 a.m. - 5:15 p.m.

[Hadron Collider Physics](#)

[Summer School](#) - One West

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

[Accelerator Physics and](#)

[Technology Seminar](#) - Curia II

(NOTE LOCATION)

Speaker: Alan Krisch,

University of Michigan

Title: Hard Collisions of

Polarized Protons: Past,

Present and Future

Wednesday, Aug. 18

8 a.m. - 9:15 p.m.

[Hadron Collider Physics](#)

[Summer School](#) - One West

THERE WILL BE NO

THEORETICAL PHYSICS

SEMINAR THIS WEEK

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

Fermilab Colloquium -

Auditorium (NOTE LOCATION)

Speaker: Silvia Pascoli,

Durham University

Title: [Neutrinos: An Open](#)

[Window on the Fundamental](#)

[Laws of Nature and the](#)

[Evolution of the Universe](#) (in

conjunction with the Hadron

Collider Physics Summer

School)

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

[Upcoming conferences](#)

[Campaigns](#)

Photos of the Day

Employees enjoy Fermilab's Club and League Fair



The Fermilab Singers perform at the Employee Club and League Fair on Thursday, Aug. 12.

Image submitted by Leticia Shaddix.



Members of Fermilab's Chess Club play chess during the Employee Club and League Fair on Thursday, Aug. 12.



Employees enjoy the booth set up by the Barnstormers Model Airplane Club at the Club and League Fair in the Wilson Hall atrium on Thursday, Aug. 12.

In Brief

Director's Corner

Once in a decade

Last week the National Research Council unveiled the Decadal Survey of astronomy and astrophysics, "[New Worlds, New Horizons in Astronomy and Astrophysics](#)." Professor Roger Blandford, who headed the survey for the last two years,



Pier Oddone

presented the survey at a [meeting](#) held at the National Academy and webcast to many institutions around the world. The Decadal Survey is a remarkable enterprise of the astronomical and astrophysical communities. It occurs roughly every 10 years, with broad participation by the whole community. Its aim is to prioritize projects and programs for the decade ahead. The report was the culmination of two years of hard work involving five Science Frontier Panels to define the scientific themes, four Program Prioritization Panels that ranked research activities from space and from the ground, six Infrastructure Science Groups and, of course, the primary committee, the Committee for the Decadal Survey of Astronomy and Astrophysics of the National Research Council, which synthesized the final recommendations. In all there were 17 town hall meetings and more than 450 papers developed by the community on science, on projects and on infrastructure issues. If you get the picture that this was a massive enterprise, you've got it right!

Most relevant to us are two projects strongly supported by the DOE that lead the list of the decadal recommendations. The top priority for space-based instruments was the Wide Field Infrared Survey Telescope, WFIRST, a descendant of the Joint DOE-NSF Dark Energy Mission, JDEM. It would employ three different techniques -- weak gravitational lensing, supernovas as standard candles and baryon acoustic oscillations -- to determine the effect of dark energy in the evolution of the universe. The new wrinkle in the recommendations is to add to the dark energy

[Take Five](#)[Tune IT Up](#)[H1N1 Flu](#)

For information about H1N1, visit Fermilab's flu information [site](#).

[Weather](#)[Extended Forecast](#)[Weather at Fermilab](#)[Current Security Status](#)[Secon Level 3](#)[Wilson Hall Cafe](#)

Tuesday, Aug. 17
 - Bagel sandwich
 - Tomato bisque soup
 - Lemon pepper club
 - Beef fajitas
 - Korean garlic chicken
 - Grilled chicken caesar salad wrap
 - Assorted sliced pizza
 - Rio Grande taco salad

[Wilson Hall Cafe Menu](#)[Chez Leon](#)

Wednesday, Aug. 18
 Lunch
 - Chicken, rice & tropical fruit salad
 - Herbed green beans
 - Cream puff w/ ice cream & caramel sauce

Thursday, Aug. 19
 Dinner
 - Garden salad
 - Grilled swordfish
 - Lemongrass rice
 - Steamed green beans
 - Lemon Napoleon

[Chez Leon Menu](#)

Call x3524 to make your

EAP offers August webinar

Fermilab's Employee Assistance Program offers a webinar in August titled "Living Options for Older Adults."

The webinar was broadcast on Tuesday, Aug. 10, and Thursday, Aug. 12. Anyone interested in viewing the archived webinar can register through the Fermilab [EAP Web site](#) with the User ID "Fermilab" and the password "eap". The event is one of the monthly one-hour Webinars offered by Fermilab's Employee Assistance Program.

[In the News](#)

In their element: The science of science

From *The Independent*, Aug. 16, 2010

Are we making fewer discoveries than in the past? Can war make us cleverer? The answers lie in scientometrics, the field of research that puts scientists under the microscop

Science begets science. In a letter to fellow natural philosopher Robert Hooke in 1676, Isaac Newton famously decreed that his own achievements were merely a matter of "standing on the shoulders of giants".

The more we know about something, the more we can study it, whether it's particles firing in a Swiss bunker, as with Geneva's Large Hadron Collider, or Newton's fabled fleshy fruit toppling from a tree.

Scientists have been examining their own careers for centuries, but only relatively recently as a separate field of research. This intellectual analysis, called "scientometrics", emerged in the 1960s, and is essentially the "science of science". It posits questions such as, "How is productivity changing?" or "How many researchers do we need?" and now, "Are scientific discoveries getting more difficult?"

[Read more](#)

[In the News](#)

mission the search for exoplanets with the ultimate goal of advancing the search for earth-like planets.

At the top of the list for earth-based instruments is the Large Synoptic Survey Telescope, LSST. This is a formidable wide-aperture 8.4m telescope to be sited in Chile, capable of imaging the entire sky every three nights. Over a 10-year lifetime it would generate 100 petabytes of data, available in a public archive. Up to this point we have collaborated on the JDEM proposal led by the Berkeley group, where our ambition has been to lead the science operations center. Our experience with large surveys like the Sloan Digital Sky Survey, SDSS, and the coming Dark Energy Survey, DES, places us in a strong position to contribute either to JDEM or to LSST. An important recommendation of the Decadal Survey for the DOE is that in the case of limited budgets (have we ever seen anything different?), LSST should be done first. We have an interesting time ahead of us as the agencies determine how to implement these recommendations.

[Announcements](#)

Latest Announcements

[Toastmasters Aug. 19](#)

[Fermilab blood drive Aug. 30 and 31 \(walk in only\)](#)

[H1N1 Temporary Sick Leave policy removed](#)

[Argentine Tango, Wednesdays through Aug. 25](#)

[Bristol Renaissance Faire discount](#)

[Aug. 20 deadline for The University of Chicago Tuition Remission Program](#)

[Applications for URA Visiting Scholars Awards due Aug. 20](#)

[Regal Movie Theater discount tickets available](#)

[What's New with NI and the latest version of LabVIEW \(NI Week highlights\)? - Aug. 19](#)

[Fermilab Blood Drive Aug. 30 and 31 \(Walk in only\)](#)

reservation.

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[Result of the Week](#)

[Safety Tip of the Week](#)

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UChicago becomes founding partner of Giant Magellan Telescope

From *University of Chicago News Office*, Aug. 6, 2010

The University of Chicago has joined the effort to build the world's largest telescope in Chile, which will eclipse the image quality even of the Hubble Space Telescope, as the quest continues for answers to some of the deepest mysteries of modern cosmology.

The Giant Magellan Telescope will be able to produce images of objects 100 times fainter than the Hubble Space Telescope can detect. As a founding member of the project, the University will help set research priorities, plan the telescope's development and will have a seat on the GMT Organization's governing board.

"In addition to pushing technical frontiers, this project will help keep the University of Chicago in a leading position to do groundbreaking research on the nature of our universe," said Robert Fefferman, dean of the Physical Sciences Division at the University of Chicago.

[Read more](#)

[Gizmo Guys - Fermilab Arts Series - Sept. 25](#)

[Submit an announcement](#)