

Calendar

[Have a safe day!](#)

Monday, Aug. 9
THERE WILL BE NO
PARTICLE ASTROPHYSICS
SEMINAR TODAY
3:30 p.m.
DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
THERE WILL BE NO ALL
EXPERIMENTERS' MEETING
THIS WEEK

Tuesday, Aug. 10
3:30 p.m.
DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
THERE WILL BE NO
ACCELERATOR PHYSICS
AND TECHNOLOGY
SEMINAR TODAY

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

[Upcoming conferences](#)

Campaigns

Take Five

[Tune IT Up](#)

Weather

 Chance of
thunderstorms
87°/72°

[Extended Forecast](#)
[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Feature

University of Chicago awards seed grants



In July, the University of Chicago awarded a total of \$258,000 in seed grants to four research teams with members from both the university and Fermilab.

The funding came from the Strategic Collaborative Initiative, a program that promotes collaborative research projects, strategic joint appointments and joint institutes among the University of Chicago, Fermilab and Argonne National Laboratory.

“This initiative has been important strengthening ties among Fermilab, the University of Chicago and Argonne National Laboratory,” said Young-Kee Kim, deputy director of Fermilab. “It makes sense for us to share resources and expertise, especially since we are located so close together.”

SCI will provide:

- \$65,000 for an experiment run in part by Fermilab’s Philippe Piot, “Generation and characterization of low-charge electron beams at the New Muon Lab facility with applications to next generation x-ray free-electron lasers”.
- \$52,000 for the continuation of an experiment run in part by Fermilab’s John Marriner, “Confronting Supernova Explosion Models with Observations: Developing SNe Ia as Precision Tools to Probe Dark Energy”.
- \$75,000 for the continuation of an experiment run in part by Fermilab’s Aaron Chu and Christopher Stoughton, “Prototype holographic noise experiment”.
- \$75,000 for an experiment run part by Fermilab’s Ted Liu, “Rapid identification of heavy quarks and leptons at the Large Hadron Collider”.

ES&H Tips of the Week - Health

Top off your fluid level to beat the heat



[Stay hydrated to beat the heat and humidity.](#)

It’s summer in Chicago and that means heat and humidity are high, which can pose challenges for exercising.

If you are unaccustomed to exercise in these conditions, give yourself a chance to acclimatize by building up your workout routine. It generally takes about two weeks for the body to fully adapt to warm weather.

The body typically cools itself by increasing surface blood flow, or relying mainly on evaporation on a windless day. Add humidity, and our body’s air-conditioning system is severely taxed. Staying hydrated can help. Electrolyte replacement is critical for ultra-endurance events, but for most exercise, the body can catch up on losses from perspiration through a normal diet.

With heavy exertion, an individual may lose up to three pounds of fluid per hour. During exercise, fluid replacement is required at the rate of five to seven ounces of fluid every 10 to 15 minutes. Plain water will work for most activities. For those whose exercise interrupts meals, sports drinks supplement calories while hydrating. Sports drinks containing 4 to 8 percent glucose sugar are easily absorbed. Be careful about drinks with higher glucose, since those concentrations tend to slow stomach emptying time, which can possibly lead to cramping. Excessive fructose sugar levels can produce diarrhea.

Monday, Aug. 9

- Breakfast: Croissant sandwich
- *Potato leek soup
- Monte Cristo
- *1/2 roasted chicken
- Alfredo tortellini
- Chicken ranch wrapper
- Assorted sliced pizza
- Szechuan-style pork lo mein

*Carb-restricted alternative

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, Aug. 11

Lunch

- Stuffed summer vegetables
- Tomato & mozzarella salad
- Vanilla bean cheesecake w/ fresh strawberries

Thursday, Aug. 12

Dinner

- 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

Three of the four research teams that received grants this year include researchers from Argonne.

The university has been awarding SCI grants to projects with Fermilab researchers since 2006.

-- *Kathryn Grim*

Special Announcement

Clarification

Due to an administrative error, the names of individuals who took Chez Leon's survey before 11 a.m. were not recorded. If you took the survey before 11 a.m., please send an e-mail to today@fnal.gov with the subject line "drawing" to be entered into the drawing. You can take the [online Chez Leon survey](#) here.

The names of those who take the survey will be entered into a drawing for a complimentary lunch for two.

In the News

Scientists have ambitious plans for colliders

From *Monterey County Herald*, Aug. 5, 2010

Scientists behind the European particle collider aimed at uncovering the secrets of the universe are pushing to build an even bigger machine — with money and partners from around the world.

Instead of whirling atoms in giant rings, as existing colliders in Switzerland and the United States do, scientists want a new-generation machine that will shoot them straight.

Particle physicists, gathering in Paris last month for the most important conference in their field, said a linear atom blaster is needed to complement what existing colliders are telling scientists about the universe, inching them closer to understanding why we are here.

Mel Shochet, a professor at the University of Chicago, said "this is by far the most exciting time" in his particle physics career.

Shochet said "exciting new phenomena" would be seen first by existing colliders "and then followed up in great detail" by future machines.

Depending on who wants to host it — and how much they are willing to pay — the next-generation collider could potentially be built

What you do prior to exertion in the heat also has a big impact on your heat tolerance. Alcohol can increase urine output, causing dehydration. It also can encourage blood flow to the skin's surface, alter the body's temperature set point and potentially augment heat stress further by diminishing the body's salt content, which affects water retention. Try to avoid alcohol for 24 hours prior to competition or exercise. If you do decide to imbibe alcohol post-exercise, rehydrate first and take the alcohol with a meal.

We're stuck with what weather we're dealt. How we weather the weather is largely left up to us.

-- *Brian Svazas, M.D.*

[Safety Tip of the Week Archive](#)

Announcements

Policy update

[H1N1 Temporary Sick Leave policy removed](#)

Latest Announcements

[Singer and songwriter Claudia Schmidt performs in Fermilab Arts Series - Aug. 14](#)

[Martial arts classes begin today](#)

[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](#)

[Grounding and Shielding of Electronic Systems course - Aug. 12 and 13](#)

[Free Piano Concert featuring Sandor Feher, Ramsey Auditorium at noon on Aug. 12](#)

[What's New with NI and the latest version of LabVIEW \(NI Week](#)

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[highlights\)? - Aug. 19](#)

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

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completely online at Fermilab](#)

[Lunch & Learn about the power of
preventative health care - Aug. 18](#)

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