

Calendar

Friday, July 15

9:00 a.m. - 5:00 p.m. Astrophysics

Workshop ([agenda](#))

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Joint Experimental Theoretical Physics Seminar – In conjunction with TeV Particle Astrophysics Workshop - 1 West

Speaker: A. Chou, Fermilab

Title: First Scientific Results of the Pierre Auger Observatory

8:00 p.m. Fermilab Film Series - Ramsey Auditorium

Tickets: Adults \$5

Title: Charulata

Saturday, July 16

8:00 p.m. Fermilab Arts Series - Ramsey Auditorium

Tickets: \$17/\$9

Tom Paxton & Cheryl Wheeler

Monday, July 18

PARTICLE ASTROPHYSICS SEMINARS WILL RESUME IN THE FALL

2:30 p.m. Theoretical Physics Seminar (NOTE DATE) - Curia II

Speaker: R. Zukanovich, Universidade de São Paulo

Title: Phenomenological Motivations for Future Reactor Neutrino Experiments

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. All Experimenters' Meeting - Curia II

Special Topic: Electron Cooling

Weather

Volunteers Celebrate Effort at Prairie Picnic



On Sunday June 26, members of Fermilab's prairie preservation volunteer group met for a picnic lunch and a look at the wildlife they have worked so hard to preserve. Fermilab Director Pier Oddone joined them and saw first-hand the strength of the public community's interest in the lab. Having Fermilab's new director there was very important, said Ecological Land Management Committee member Kent Collins of FESS. "This event demonstrates that there is a contingent of people who are really involved in Fermilab and in some ways consider the grounds to be their own public park," said Collins.

Barbara Oddone was also there, getting involved in the ecological side of the lab, a particular interest of hers. Volunteers who have been with the program since the beginning returned to Fermilab to show a younger generation all that they have accomplished. "Bob Betz loses 25 years when he gets out there," said Collins. "He was taking people on tours around the prairie and pointing out all the new plants that have been put in."

This year marks the 30th anniversary of the prairie preservation program, which

Fermilab Arts Series Presents Tom Paxton & Cheryl Wheeler Tomorrow

The Fermilab Arts Series presents Tom Paxton and Cheryl Wheeler tomorrow at 8:00 p.m. in Ramsey Auditorium. Tickets are still available for this performance.



Tom Paxton

Paxton has been an integral part of the songwriting and folk music community since the early 60's Greenwich Village scene, and continues to be a primary influence on today's "New Folk" performers. He has performed in thousands of concerts



Cheryl Wheeler

around the world. From ballads to comedy, Wheeler's music covers it all. Fans describe Cheryl Wheeler as two people: poet-Cheryl and comic-Cheryl, and they enjoy watching the two tussle for control of the microphone.

[more information](#)

In the News



Partly Cloudy 90°/70°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Friday, July 15

New England Clam Chowder

Western BBQ Burger \$4.85

Baked Fish w/ Roasted Leeks and Peppers \$4.00

Meatballs Teriyaki over Rice \$3.75

Bistro Chicken & Provolone Panini \$4.85

Assorted Personal Size Pizzas \$3.50

Carved Top Round of Beef \$4.85

The Wilson Hall Cafe now accepts Visa, Master Card, Discover and American Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

[Chez Leon](#) is now open. Call x4512 to make your reservation.

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has encouraged members of the public to become involved in site activities since the beginning of Fermilab. During the time after September 11th when the lab was closed to the public, this summer picnic was organized to give volunteers an opportunity to visit the landscape they had created. Even though the site has re-opened, the area inside the main accelerator is still off-limits. The picnic offers volunteers a chance to congregate and show their children the progress they have made.

-Amelia Greene

Worthel Returns to Stage In *Love's Labours Lost*



Bruce Worthel showcased his musical talents in the Midsummer Theatre Troupe's 2003 production of *As You Like It*. He appears with the company again in this summer's *Love's Labours Lost*.

Although Shakespeare and particle physics are topics that are rarely uttered in the same breath, Documentation and Training Specialist Bruce Worthel has room in his life for both. Despite Fermilab's busy summer schedule, Worthel has found time to appear onstage in the Midsummer Theatre Troupe's production of *Love's Labours Lost*, one of the Bard's comedies.

From *Nature Magazine*, July 14, 2005

Particle physics: Weighty questions

Ian Shipsey

In an unprecedented feat of computation, particle theorists made the most precise prediction yet of the mass of the 'charm-bottom' particle. Days later, experimentalists dramatically confirmed that prediction.

The lofty endeavour of particle physicists — to understand the birth, evolution and ultimate fate of the Universe by studying its fundamental particles — has just received a significant boost. The fiendishly difficult equations of the strong nuclear force have yielded to a 30-year effort to allow the first precise prediction of a composite particle's mass, a prediction promptly confirmed by experiment. The computational technique responsible, lattice quantum chromodynamics, could also be used to estimate quark masses better, to shed light on the origin of mass, and to reveal how the Universe, originally made of matter and antimatter in equal proportions, ended up containing just matter.

[Read more](#)

Announcements

Morris Binkley Retirement Party

There will be a retirement party for Morris Binkley on Friday, July 15. Although the long-time CDF scientist officially retired earlier this year, he continues to work at Fermilab as a visiting scientist. Festivities begin at 5 p.m. in the Users' Center, and there will be a cash bar.

New Classifieds on Fermilab Today

New [classified ads](#) have been posted on

[Fermilab Safety Tip of the Week archive](#)

[Linear Collider News archive](#)

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"I've always been in love with Shakespeare, and my wife challenged me to try acting a few years ago," Worthel explained. He auditioned for the Midsummer Theatre Troupe for the first time three years ago, and has since appeared in their shows every summer. "There's a core group of people [in the company] that I really enjoy acting with," he said. Shakespeare himself also plays an important role in drawing Worthel back to the plays year after year. "It's the language. It's just so beautiful," he said.

Worthel calls *Love's Labours Lost* "one of Shakespeare's odd comedies, because no one gets married at the end." Worthel plays Anthony Dull, a dim-witted constable who comically contrasts with his scholarly companions.

Love's Labours Lost opened on July 9 at Batavia MainStreet's Shakespeare on Clark series. The company will also perform July 16, 23, and 20 on Clark Island in Batavia (7 p.m.), as well as on July 15 in Naperville's Knock Knolls Park (7 p.m.) and on July 17 in Wheaton's Cantigny Park (6 p.m.). All performances are free except for Cantigny Park, which costs \$10. For more information, please contact Worthel at worthel@fnal.gov.

-Elizabeth Wade

Fermilab Today.

Recreation Office Sales Suspended

Due to a reduction in staff, the Recreation Office will temporarily suspend the sale of tickets, T-shirts and canoe rentals as of Friday, July 15 at noon until further notice. The suspended tickets are AMC Movie Tickets, Great America Tickets, and Renaissance Faire Tickets. All other programs will stay the same. Also, the Recreation Office will be closed Friday, July 15 at noon for training. If you have any questions you may contact the Recreation Office, x 2548.

Fermilab Arts Series

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[more information](#)

Fermilab Film Series

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[more information](#)

[Upcoming Activities](#)