

Special Announcement

Potluck Party Friday, Dec. 17

Fermilab will host its second annual potluck party on Friday, Dec. 17. A potluck dinner will take place in the Wilson Hall atrium from 5:30 to 6:45 p.m. Employees, users, contractors, retirees and their families are welcome. Please bring to share an appetizer, side or main dish that can supply about 20 tasting portions. At 5:30 p.m., children from the Fermilab daycare will sing Christmas songs. From 7 to 8:30 p.m., employees and users will showcase their talents through skits, songs and more in the Ramsey auditorium. Please visit the potluck party website for the [detailed program](#) and [FAQs](#).

Feature

Friday Tevatron event lauds accelerator, detector successes

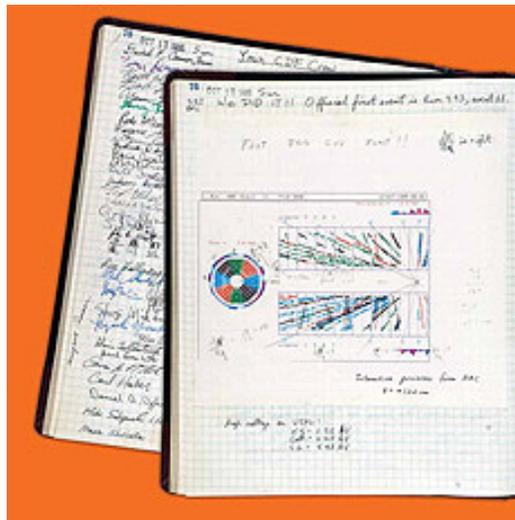


Photo of CDF logbook from first proton-antiproton collision in 1985.

On Oct. 13, 1985, the perfect physics storm unleashed a hail of protons and antiprotons to collide at a new world energy record of 1.6 TeV.

The tenacity and teamwork of Fermilab's early pioneers enabled this first collision to occur against incredible obstacles: an antiproton source that wasn't finished, a debuncher that had choked off the flow of antiprotons and a low antiproton intensity that required a transfer technique built on the fly. Time even seemed against the Tevatron pioneers. The successful collision came near the end of the last day of running before a lengthy shutdown period.

From the Finance Section

Getting a grant? We can help!



Mary Jo Lyke

Mary Jo Lyke, head of the Grants and Contracts Department, wrote this week's column.

The Finance Section has recently reorganized in an effort to streamline the administration of non-DOE funding. The Grants and Contracts Department, previously part of the Accounting Department, is now a department within the Finance Section. We are your main point of contact when you apply for, receive and spend funding from non-DOE sources, such as other federal agencies, collaborating institutions and work-for-others agreements.

Our goal is to serve as Fermilab's central coordination site for non-DOE funding and offer one-stop shopping for all your questions regarding the administration of such funds. Please notify your Division/Section/Center head and the Grants and Contracts Department as soon as you consider pursuing non-DOE funding so that together, we can provide timely support.

The reorganization reflects the fact that over the course of the last few years, the roles and responsibilities of the Grants and Contracts Department have greatly expanded beyond the timely and accurate billing and collecting of non-DOE funds. We are required to review funding proposals to verify the accuracy of budget and administrative information; check that commitments made in proposals can be honored; and confirm that proposals and awards meet the guidelines of FRA/Fermilab, DOE and the non-DOE funding organization.

The Grants and Contracts Department participates in the negotiation of agreements on behalf of our laboratory; assists in the preparation of requests for additional funding,

Calendar

Have a safe day!

Wednesday, Dec. 15

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO

FERMILAB COLLOQUIUM

THIS WEEK

Thursday, Dec. 16

2:30 p.m.

[Theoretical Physics Seminar](#) -

Curia II

Speaker: Ayan Paul, University of Notre Dame

Title: LHT and c: Gambling in Standard Model's Backyard

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR THIS WEEK

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

[Upcoming conferences](#)

Campaigns

[Take Five](#)

Weather



Partly Sunny
21°/18°

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

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Wednesday, Dec. 15

- Breakfast: English muffin sandwich
- *Cajun-style lentil soup
- Cajun chicken ranch
- BBQ ribs
- Chicken parmesan
- Smoked turkey panini pesto mayo
- Assorted sliced pizza
- Chicken alfredo fettuccine

**carb restricted alternative*

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, Dec. 15
Christmas Lunch
12 p.m.

- Crab cakes w/red pepper mayo
- Lemon orzo
- Sautéed spinach w/ garlic
- Chocolate raspberry torte

Thursday, Dec. 16
Dinner

- Shrimp cocktail
- Prime rib
- Baked potato
- Steamed broccoli
- Chocolate mousse pie

So when the burst of particles showed up in the machines there was a moment of disbelief and then a resounding: "We did it!"

A [series of talks](#) from 1 to 4:45 p.m. Friday, Dec. 17, in Ramsey Auditorium will celebrate that momentous occasion, the technical work that led up to it and the flood of scientific firsts that followed it for years to come as technicians, engineers and scientists continued to push into the unknown and, at times, against the odds to make history.

In the 25 years since the first collisions CDF's sister experiment, DZero, was built, both detectors underwent major upgrades and the Tevatron exceeded its designed luminosity by a factor of 400. Using these powerful machines, physicists pumped out results, currently at a rate of an average of a new scientific paper every 10 days. Among the hundreds of scientific results, Fermilab researchers discovered the top quark, determined the mass of the W boson to its highest precision yet and have narrowed the range where they think the Higgs boson resides.

Those who were there for many of these successes will talk about their memories of the beginning of Fermilab's collider program, what it has been like to work in this exciting environment and what scientific results lie on the horizon. DOE Director of the High Energy Research and Technology Division of the Office of Science Glen Crawford will offer special remarks, as will Fermilab Director Pier Oddone and Deputy Director Young-Kee Kim. To see the list of other speakers and talk titles, please view the [symposium web page](#).

Symposium attendees are invited to mingle with colleagues after the talks at the annual Potluck Party from 5 to 6:45 p.m. in the atrium. Those who plan to attend are asked to please bring a dish to share. Please see the [Potluck Party website](#) for more information.

--Tona Kunz

[Feature](#)

extension of time, and changes in scope; coordinates the preparation and submission of required financial reporting; responds to external audits and reviews; and helps when the principal investigator of a grant changes.

Being a good steward of non-DOE funds is a shared responsibility between the principal investigator, laboratory management, and the Grants and Contracts Department throughout the award process – from beginning to end.

Non-DOE funding provides an opportunity to enhance mission-related research programs at Fermilab. The Grants and Contracts Department is here to help with its administration.

Safety Update

ES&H weekly report, Dec. 15

This week's safety report, compiled by the Fermilab ES&H section, includes three incidents. Find the full report [here](#).

[Safety report archive](#)

In the News

Higgs hunt may delay LHC's planned shutdown

From *New Scientist*, Dec. 13, 2010

Physicists are considering delaying a planned shutdown of the Large Hadron Collider by a year to keep hot on the trail of the elusive Higgs particle.

Located near Geneva, Switzerland, the LHC is the most powerful particle smasher ever built, designed to produce collisions at energies up to 14 trillion electron volts (TeV). It was built to look for the Higgs particle, which is thought to endow other subatomic particles, such as electrons, with mass.

But the LHC's ramp-up to full energy has been slower than expected. An accident in September 2008 postponed the start of operations by more than a year, and to avoid further damage, its managers have been running it at just 7 TeV, half of its design energy. The plan has been to collect data at this energy until the end of 2011, then shut down the collider for 15 months to make fixes needed to reach 14 TeV.

Now the LHC's managers are considering delaying the shutdown by a year, to the end of 2012. This would give the LHC a chance to turn up signs of the Higgs before the lengthy shutdown. The deliberations were first reported in Nature.

[Chez Leon Menu](#)

Call x3524 to make your reservation.

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Ed Crumpley kept Robert Wilson's vision in view



Ed Crumpley

The spiral atop the MINOS building and the half-moon of the Feynman Computing Center capture the dramatic artistic vision of Fermilab's first director, Robert Wilson. But the bricks and mortar also capture the spirit of another Fermilab employee: Ed Crumpley.

Wilson's legacy of making Fermilab a melting pot of art, science and nature might have lost some of its luster to utilitarian needs if not for the prodding of Crumpley.

"Let me put it this way, there would be a lot more boxes on the site," said Vic Kuchler, who worked with Crumpley as a former head of FESS and engineering.

Crumpley retired Dec. 13, after more than three decades at the laboratory, as the last professional architect who worked with Wilson and the laboratory's strongest connection to its artistic past. Crumpley worked most recently as head of FESS engineering.

"It's not often that an opportunity like the one given to me here comes along," Crumpley said. "I've been fortunate enough to work alongside Dr. Wilson, helping to translate his sculptural inspirations into building concepts, then working with dedicated customers and an unbeatably talented design team to realize these concepts into the beautiful and functional buildings and site where we work each day. I'll always be grateful for this experience and can only hope that we have collectively done justice to Dr. Wilson's vision."

A skilled architect in his own right, Crumpley was not afraid to debate design details with Wilson, and his personal touches made their way into many Fermilab buildings. He took his designs beyond the four exterior walls, creating attractive vestibules and workspaces as well as landscaping that tied the building to its environment.

"He knew how to integrate the future and not lose the past," said Randy Ortgiesen, head of FESS.

Crumpley started at Fermilab as a consultant

[Read more](#)

Announcements

Latest announcements

[Transportation services holiday service closed Dec. 23 and 30](#)

[Complimentary massages today](#)

[Free martial arts class today](#)

[Reserve now for extra Chez Leon lunch on Friday, Dec. 17](#)

[Annual potluck party and skits - Dec. 17](#)

[Symposium celebrates 25th anniversary of first collision at Tevatron - Dec. 17](#)

[Timecard instructions for non-exempt employees working on half holiday](#)

[Reminder: timecards due early for week of Dec. 20 - 26](#)

[Eastbound Butterfield Road closed until Dec. 20](#)

[School's Out day camp - Dec. 21-22, 27-29](#)

[Fermilab Blood Drive - Dec. 20 & 21 \(Walk in only\)](#)

[Movie tickets make gift giving easy](#)

[Medical Department holiday schedule](#)

[Weight Watchers introduces new PointsPlus program](#)

[Guided practicas for Argentine Tango thru Dec. 29](#)

[Submit a topic suggestion for Disability Awareness Seminar](#)

[Fermilab Today holiday schedule](#)

[Open basketball at the gym](#)

[Folk dancing on Thursdays in December](#)

[Fermilab Arts and Lecture Series box office winter schedule](#)

when the laboratory was outgrowing its fixed-target physics program and eventually was hired as the in-house architectural arm of what would become FESS engineering. He served as chief architect for the Tevatron construction group, building the current accelerator complex and CDF and DZero detector halls. His solid presence earned him a spot on the design team for the Superconducting Super Collider in Texas, which, at the time, was the future of high-energy physics, and a spot on Deputy Director Young-Kee Kim's master planning task force. Before time-saving computer 3-D programming existed, he created a culture of crafting models of buildings to work out kinks and share his vision, always keeping safety in mind.

[Read more](#)

[Users Office holiday hours](#)

[Accelerate to a Healthy Lifestyle Program through Dec. 31](#)

[Disney On Ice presents "Toy Story 3" - Feb. 2-13](#)

[Submit an announcement](#)