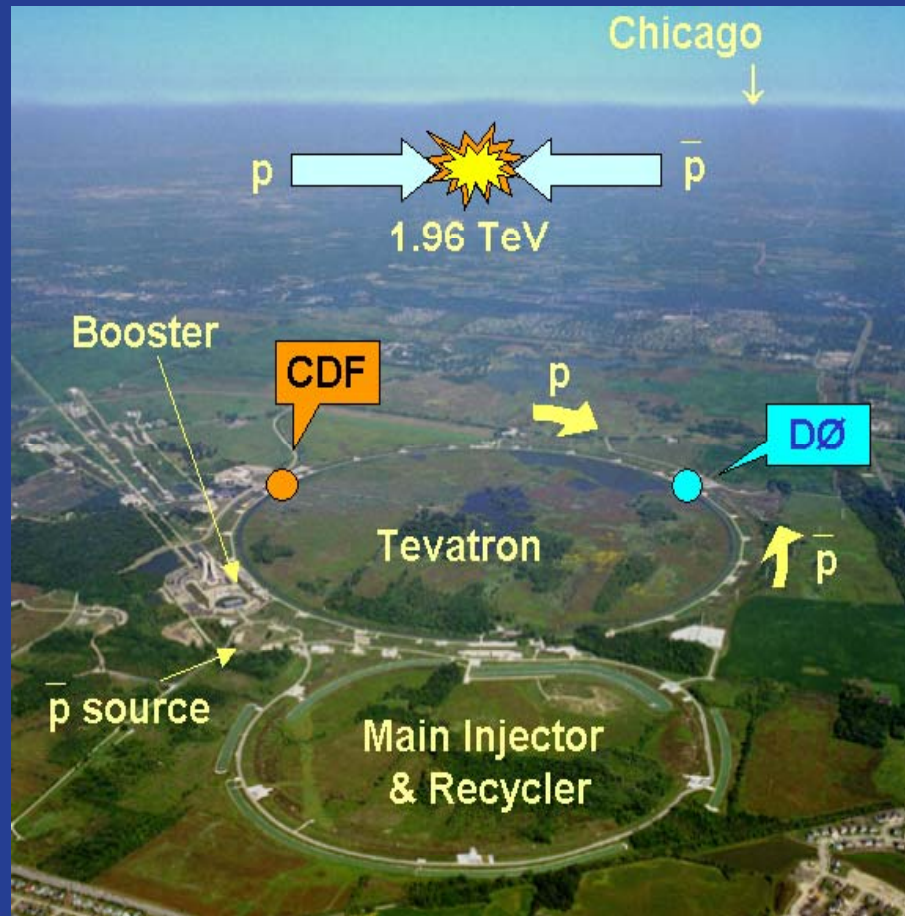


# Welcome to Fermilab and 7<sup>th</sup> Annual Fermilab/CERN Hadron Collider Physics Summer School



# School Mission

- A new era in the exploration of the smallest scales has begun. To realize the full potential of these developments, CERN and Fermilab are jointly offering a series of "Hadron Collider Physics Summer Schools", to prepare young post docs and advanced graduate students for these exciting times in hadron collider physics.
- Learn about Fermilab and interact with your colleagues from other places, experiments, and countries
- School for future experts by today experts in the field!

# Connection to Internet

1. Connect the wireless network named FGZ
  2. Open your Internet Browser and attempt to navigate to any web site
  3. The Fermilab Guest Registration web page will appear
  4. Enter the requested information into the form
    - Put my name for “Contact person”
  5. Submit and the page should then run a security scan and proceed to the requested website
    - If the requested website does not appear after 2 minutes please restart the computer
- This will need to be completed every 24 hours. You will be required to resubmit the registration form each day that you visit

# School Main Web Site

- Web address
  - <http://projects.fnal.gov/hcpss/hcpss12/>

## HCPSS 2012 Hadron Collider Physics Summer School

August 6 - 17, 2012 Fermi National Accelerator Laboratory

### HCPSS 2012

[Scientific Program](#)

[Accommodations](#)

[Location & Travel](#)

[Participants](#)

[Committees](#)

[Resources](#)

[Indico Page](#)

[Application Information](#)

[Evaluation Survey](#)

[Pictures](#)

## 7TH ANNUAL FERMILAB-CERN HCPSS



### MISSION STATEMENT

A new era in the exploration of the smallest scales has begun. To realize the full potential of these developments, CERN and Fermilab are jointly offering a series of "Hadron Collider Physics Summer Schools", to prepare young post docs and advanced graduate students for these exciting times in hadron collider physics.

# School Two Weeks Agenda

## 2012 Hadron Collider Physics Summer School Daily Program

	Sunday August 05	Monday August 06	Tuesday August 07	Wednesday August 08	Thursday August 09	Friday August 10	Saturday August 11	Sunday August 12	Monday August 13	Tuesday August 14	Wednesday August 15	Thursday August 16	Friday August 17
8:00 a.m.		BUS TO FERMLAB 8:25 a.m.	BUS TO FERMLAB 8:55 a.m.	BUS TO FERMLAB	BUS TO FERMLAB	BUS TO FERMLAB			BUS TO FERMLAB	BUS TO FERMLAB	BUS TO FERMLAB	BUS TO FERMLAB	BUS TO FERMLAB
8:15 a.m.	ARRIVALS	REGISTRATION 8:15 a.m. One West											
8:30 a.m.													
8:45 a.m.													
9:00 a.m.													
9:15 a.m.		NEWS - Announcements - 9:00-9:10 a.m. All Sessions will be held in One West.							NEWS - Announcements - 9:00-9:10 a.m. All Sessions will be held in One West.				
9:30 a.m.		ELECTROWEAK 1 9:10-10:25 a.m.	ELECTROWEAK 2 9:10-10:25 a.m.	ELECTROWEAK 3 9:10-10:25 a.m.	ELECTROWEAK 4 9:10-10:25 a.m.	STATISTICS 3 9:10-10:25 a.m.	BUS TO FERMLAB 9:30 a.m.	BUS TO TRAIN TRAIN LEAVES 9:37 a.m. next train at 12:37 p.m.	GENERATORS 2 9:10-10:25 a.m.	PARTICLE ID 1 9:10-10:25 a.m.	ASTROPHYSICS 1 9:10-10:25 a.m.	ASTROPHYSICS 2 9:10-10:25 a.m.	PARTICLE ID 3 9:10-10:25 a.m.
9:45 a.m.													
10:00 a.m.		Coffee Break 10:25-10:45 a.m.							Coffee Break 10:25-10:45 a.m.				
10:15 a.m.							NEWS - 10:30- 10:45 a.m.						
10:30 a.m.		HEAVY IONS 1 10:45 a.m.-12:00 p.m.	HEAVY IONS 2 10:45 a.m.-12:00 p.m.	BSM 3 10:45 a.m.-12:00 p.m.	STATISTICS 2 10:45 a.m.-12:00 p.m.	TOP QUARK 1 10:45 a.m.-12:00 p.m.	TOP QUARK 2 10:45 a.m.-12:00 p.m.		STATISTICS 4 10:45 a.m.-12:00 p.m.	HEAVY QUARKS 1 10:45 a.m.-12:00 p.m.	HEAVY QUARKS 2 10:45 a.m.-12:00 p.m.	PARTICLE ID 2 10:45 a.m.-12:00 p.m.	ANALYSIS 2 (Higgs diphotons) 10:45 a.m.-12:00 p.m.
10:45 a.m.													
11:00 a.m.		Lunch - 12:00-1:30 p.m.							Lunch - 12:00-1:30 p.m.				
11:15 a.m.													
11:30 a.m.													
11:45 a.m.													
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9:00 p.m.													

CHICAGO

8/2/2012



# Today's Agenda

Monday August 06
<b>BUS TO FERMILAB</b> 8:00 a.m.
<b>REGISTRATION</b> 8:15 a.m. One West
<b>ELECTROWEAK 1</b> 9:10-10:25 a.m.
<b>HEAVY IONS 1</b> 10:45 a.m.-12:00 p.m.
Lunch - 12:00
<b>BSM 1</b> 1:30-2:45 p.m.
<b>TRACKING 1</b> 2:45-4:00 p.m.
Coffee Break 4:00-4:20 p.m.
Discussion 1 4:20-5:30 p.m.
<b>RECEPTION &amp; REGISTRATION</b> 5:30-7:30 p.m. Fermilab Second Floor
<b>BUS TO HOTEL</b> 7:30 p.m.

Every morning at 9:00am we will have brief discussion of the daily activities and plans

# Discussion Sessions

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
August_06	August_07	August_08	August_09	August_10	August_11	August_12	August_13	August_14	August_15	August_16
<p>1 West</p> <p>Discussion 1A 4:20-5:30 p.m. BSM and Tracking</p> <p>Wang &amp; Korytov</p>	<p>1 West</p> <p>Discussion 2A 4:20-5:30 p.m. BSM and Heavy Ion</p> <p>Wang &amp; Salur</p>		<p>1 West</p> <p>Discussion 3A 4:20-5:30 p.m. Statistics and Electroweak</p> <p>Junk &amp; Dawson</p>				<p>1 West</p> <p>Discussion 4A 4:20-5:30 p.m. Statistics and Trigger/DAQ</p> <p>Junk &amp; Smith</p>	<p>1 West</p> <p>Discussion 5A 4:20-5:30 p.m. Particle ID and Heavy Quarks</p> <p>Cavanaugh &amp; Paulini</p>		<p>1 West</p> <p>Discussion 6A 4:20-5:30 p.m. Calorimetry and Hadron Accelerators</p> <p>Proudfoot &amp; Syphers</p>
<p>Hornet's Nest</p> <p>Discussion 1B 4:20-5:30 p.m. Electroweak and Heavy Ion</p> <p>Dawson &amp; Salur</p>	<p>Curia II</p> <p>Discussion 1A 4:20-5:30 p.m. Electroweak and Tracking</p> <p>Dawson &amp; Korytov</p>		<p>Curia II</p> <p>Discussion 3B 4:20-5:30 p.m. QCD and Tracking</p> <p>Petriello &amp; Korytov</p>				<p>Curia II</p> <p>Discussion 4B 4:20-5:30 p.m. Top Quark and Generators</p> <p>Schwanenberger &amp; Campbell</p>	<p>Curia II</p> <p>Discussion 5B 4:20-5:30 p.m. Hadron Accelerators and Top Quark</p> <p>Syphers &amp; Schwanenberger</p>		<p>Curia II</p> <p>Discussion 6A 4:20-5:30 p.m. Particle ID and Astrophysics</p> <p>Cavanaugh &amp; Harnik</p>

# Meeting Rooms

- Main Fermilab's building is called **Wilson Hall** or WH
- All lectures will be in **1 West** meeting room
  - The room we are now
- Discussion sessions will be in **1 West** and **Curia II**
  - **Curia II** is located one floor above – use stairs near to **1 West**
- One of today's discussion sessions will be in **Hornet's Nest**
  - Use elevator to the 8<sup>th</sup> floor – room just in front of elevators
- Main Fermilab's **Auditorium** will be location for Laboratory wide seminars HCPSS students to attend
  - Located one floor below **1 West** meeting room
- Washrooms are located on both sides of the **Wilson Hall** building entrance



# Name Tag, Busses

- Everybody must wear name tag while at Fermilab
- Please, have photo ID with you at all times
- Buses will depart on schedule shown on the agenda every day
  - Be on time as busses will not wait for everybody and leave on schedule

# Food

- Breakfasts
  - You can have breakfast at Fermilab's cafeteria before lectures – open every day, including Saturday
  - You can have breakfast at your hotel or other place on your own
- Lunches
  - Best to eat at Fermilab's cafeteria
- Dinners
  - Many restaurants, fast food stores, shops are available close to your hotel
  - No dinners at Fermilab cafeteria!
- You are responsible for paying for your meals, except for special events scheduled on the agenda
  - Including reception on the 2<sup>nd</sup> floor (one floor above 1 West) today

# Contact Information and Safety

- Conference Office Organizers
  - Cynthia Sazama
  - Suzanne Weber
- School Organizing Committee Chairs
  - Dmitri Denisov, emergency cell +1-630-531-0413
  - Paddy Fox, emergency cell +1-831-359-7998
  - E-mail [hcpss@fnal.gov](mailto:hcpss@fnal.gov)
- Please, ask us ANY questions!
- Follow all signs and safety rules while at Fermilab
  - Follow instructions of senior personnel
  - Ask questions if uncertain