

# NuFact 11

August 1-6, 2011  
Geneva, Switzerland

13<sup>th</sup> international workshop on neutrino factories,  
super beams and beta beams

#### ■ scientific program committee

A. Blondel [U. Geneva]  
A. Cervera [IFIC]  
M. Dracos [IN2P3]  
I. Efthymiopoulos [CERN]  
J. Ellis [CERN]  
S. Geer [FNAL]  
R. Garoby [CERN]  
M. Goodman [ANL]  
D. Harris [FNAL]  
T. Hasegawa [KEK]  
P. Huber [Virginia T.]  
D. Kaplan [IIT]  
Y. D. Kim [Sejong U.]  
H. Kirk [BNL]  
Y. Kuno [Osaka U.]  
K. Long [Imperial C.]  
N. K. Mondal [TIFR]  
J. Morfin [FNAL]  
Y. Mori [Kyoto U.]  
K. Nishikawa [KEK]  
V. Palladino [U. Napoli]  
C. Prior [RAL]  
F. J. P. Soler [U. Glasgow]  
J. Strait [FNAL]  
R. Svoboda [U. C. Davis]  
F. Terranova [LN Frascati]  
M. Zisman [BNL]

#### ■ working group conveners

**neutrino oscillation physics**  
T. Vaite [C. William & Mary]  
T. Nakadaira [KEK]  
T. Schwetz-Mangold [MPIK]

#### **accelerator physics**

A. Bogacz [JLAB]  
T. Uesugi [Kyoto U.]  
E. Wildner [CERN]

#### **neutrino scattering physics**

M. Kordosky [C. William & Mary]  
J. Nieves [IFIC]  
M. Yokoyama [Kyoto U.]

#### **muon physics**

R. Bernsteinc [FNAL]  
N. Saito [KEK]  
D. Nicolò [INFN]

#### ■ local organising committee

E. Benedetto [CERN]  
A. Blondel [U. Geneva] [co-Chair]  
I. Efthymiopoulos [CERN] [co-Chair]  
F. Dufour [U. Geneva]  
F. Girard-Madoux [CERN]  
E. Gschwendtner [CERN]  
A. Korzenev [U. Geneva]  
M. Mører-Olafsen [CERN]  
S. Murphy [U. Geneva]  
G. Prior [CERN]  
B. Wikström [U. Geneva]  
E. Wildner [CERN]

[nufact11.unige.ch](http://nufact11.unige.ch)

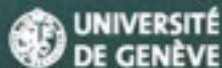
# Welcome

... a week  
full of  
**Neutrinos!!**



Also the  
International Neutrino Summer School  
Geneva 18-30 July 2011

[dpnc.unige.ch/NeutrinoSummerSchool2011](http://dpnc.unige.ch/NeutrinoSummerSchool2011)



# NuFACT11 - Meeting Rooms

	Monday 01/08	Tuesday 02/08	Wednesday 03/08	Thursday 04/08	Friday 05/08	Saturday 06/08														
	<b>CERN</b>	<b>University of Geneva</b>			<b>CERN</b>															
08:00																				
08:30	<b>Registration</b>																			
09:00	<b>Plenary Session</b>	<b>Plenary Session</b>	<b>Plenary Session</b>	<b>Plenary Session</b>	<b>Plenary Session</b>	<b>WG1</b>	<b>WG2</b>	<b>WG3</b>	<b>WG4</b>											
09:30																				
10:00																				
10:30																				
10:30	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>														
11:00			<b>WG1</b>	<b>WG2</b>	<b>WG3</b>	<b>WG4</b>	<b>WG1</b>	<b>WG2</b>	<b>WG3 &amp; WG4</b>	<b>Plenary Session</b>										
11:30																				
12:00																				
12:30																				
12:30	<i>Lunch break</i>	<i>Lunch break</i>	<i>Lunch break</i>	<i>Lunch break</i>	<i>Lunch break</i>	<i>Lunch break</i>														
13:00																				
13:30																				
14:00																				
14:30																				
14:00	<b>WG1</b>	<b>WG2</b>	<b>WG3</b>	<b>WG4</b>	<b>WG1</b>	<b>WG2</b>	<b>WG3</b>	<b>WG4</b>	<b>WG1</b>	<b>WG2</b>	<b>WG3</b>	<b>WG4</b>								
15:00	<i>Coffee break</i>	<i>Coffee break</i>																		
15:30																				
16:00																				
16:30																				
16:00	<b>LHC Seminar</b>	<b>Plenary Session</b>	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>		<b>WG1&amp;WG2</b>													
16:30	<b>Geneva visits</b>		<i>Coffee break</i>		<i>Coffee break</i>															
17:00			<b>Plenary Session</b>																	
17:30																				
18:00																				
18:30	<b>Welcome drink and poster session</b>	<b>Poster session</b>	<b>Conference dinner</b>		<b>Program Committee Meeting &amp; Dinner</b>		<b>WG1</b> Neutrino Oscilation Physics													
19:00											<b>Evening public lecture</b>		<b>WG2</b> Neutrino cross sections and detectors							
19:30																	<b>WG3</b> Accelerator physics			
20:00																				
20:30																				
21:00																				
21:30																				
22:00	<b>Verre de l'amitie</b>																			
22:30																				
23:00																				

# NuFACT11 - Meeting Rooms

CERN				
Name		Building	Floor	Room
Filtration Plant	222-R-001	222	G	1
Main Auditorium	500-1-001	500	1	1
Council Chamber	503-1-001	503	1	1
Salle Curie	40-S2-C01	40 - C side	-2	1
Salle Dirac	40-S2-D01	40 - D side	-2	1
Salle Bohr	40-S2-B01	40 - B side	1	
Room G. Charpak	60-6-015	60	6	15

## University of Geneva














**Next 10 Days**

● New ● First Quarter ● Full ● Last Quarter








Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
01 August	02 August	03 August	04 August	05 August	06 August	07 August
<p>Forecast</p>  <p><b>Mostly Sunny</b></p> <p>High 26°C Low 15°C</p> <p>Chance of Precip. 10%</p> <p><a href="#">Forecast for Health</a></p>	<p>Forecast</p>  <p><b>Sunny</b></p> <p>High 29°C Low 21°C</p> <p>Chance of Precip. 0%</p>	<p>Forecast</p>  <p><b>PM T-Storms</b></p> <p>High 27°C Low 16°C</p> <p>Chance of Precip. 30 %</p> <p><a href="#">Weekend Travel?</a></p>	<p>Forecast</p>  <p><b>Scattered T-Storms</b></p> <p>High 25°C Low 16°C</p> <p>Chance of Precip. 40 %</p>	<p>Forecast</p>  <p><b>Rain / Thunder</b></p> <p>High 24°C Low 16°C</p> <p>Chance of Precip. 60 %</p>	<p>Forecast</p>  <p><b>Scattered Showers</b></p> <p>High 24°C Low 16°C</p> <p>Chance of Precip. 30 %</p>	<p>Forecast</p>  <p><b>PM Showers</b></p> <p>High 21°C Low 14°C</p> <p>Chance of Precip. 30 %</p>

<http://uk.weather.com>



Next 10 Days



● New ● First Quarter ● Full ● Last Quarter

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01 August	02 August	03 August	04 August	05 August	06 August	07 August
Forecast  Mostly Sunny High 26°C Low 15°C Chance of Precip. 10% <a href="#">Forecast for Health</a>	Forecast  Sunny High 29°C Low 21°C Chance of Precip. 0%	Forecast  PM T-Storms High 27°C Low 16°C Chance of Precip. 30 % <a href="#">Weekend Travel?</a>	Forecast  Scattered T-Storms High 25°C Low 16°C Chance of Precip. 40 %	Forecast  Rain / Thunder High 24°C Low 16°C Chance of Precip. 60 %	Forecast  Scattered Showers High 24°C Low 16°C Chance of Precip. 30 %	Forecast  PM Showers High 21°C Low 14°C Chance of Precip. 30 %

<http://uk.weather.com>

# August 1st Swiss National Day



	<b>Registration</b> <i>Filtration Plant, CERN</i>	08:30 - 09:00
09:00	<b>Welcome - CERN</b> <i>Filtration Plant, CERN</i>	<i>EFTHYMIPOULOS, Illas</i> 09:00 - 09:10
	<b>Scientific goals of the workshop</b> <i>Filtration Plant, CERN</i>	<i>BLONDEL, Alain</i>  09:10 - 09:30
	<b>Welcome address by CERN Director</b> <i>Filtration Plant, CERN</i>	<i>HEUER, Rolf</i> 09:30 - 09:45
10:00	<b>Experimental Status of Neutrino Physics</b> <i>Filtration Plant, CERN</i>	<i>WARK, Dave</i> 09:45 - 10:15
	<b>Coffee break</b> <i>Filtration Plant, CERN</i>	10:15 - 10:35
11:00	<b>Accelerators for Future Neutrino Facilities: strengths &amp; challenges</b> <i>Filtration Plant, CERN</i>	<i>ZISMAN, Michael</i>  10:35 - 11:10
	<b>WG1 conveners: set the scene</b> <i>Filtration Plant, CERN</i>	<i>VAHLE, Tricia</i> 11:10 - 11:30
	<b>WG2 conveners: set the scene</b> <i>Filtration Plant, CERN</i>	<i>YOKOYAMA, Masashi</i> 11:30 - 11:50
12:00	<b>WG3 conveners: set the scene</b> <i>Filtration Plant, CERN</i>	<i>BOGACZ, Alex et al.</i> 11:50 - 12:10
	<b>WG4 conveners: set the scene</b> <i>Filtration Plant, CERN</i>	<i>BERNSTEIN, robert et al.</i> 12:10 - 12:30
13:00	<b>Lunch break</b> <i>CERN</i>	12:30 - 14:00
14:00		



**Thank you for coming to  
CERN/Geneva**

**Enjoy your stay  
... and the workshop**