

NuFact2016 SPC

Today's goal

- Understand what is nufact
- Understand what are expected to be done by us
- Understand what did the last nufact looks like
 - → Jorge
- Collect your feedback on the program coordination

Today upto here. For next meeting,

- (Deputy)chairs will make proposal of block time table and program
- Collect feedback from WG conveners and SPC
- Call speaker nomination from SPC

What's nufact? NuFact2016 preamble

- NuFact 2016
- is the eighteenth in a series that started in 1999 as an important yearly workshop **with emphasis on future neutrino projects**.
- The main goals of the workshop are **to review the progress on studies of future facilities** able to improve on measurements of the properties of **neutrinos** and **charged lepton flavor violation** as well as **new phenomena searches beyond the capabilities of presently planned experiments**. Since such progress in the neutrino sector could require innovation in neutrino beams, the role of a neutrino factory within future HEP initiatives will be addressed.
- The workshops are not only international but also interdisciplinary in that experimenters, theorists and accelerator physicists from the Asian, American and European regions share expertise with the common goal of designing the next generation of experiments.
- The NuFact16 workshop is divided into four Working Groups covering the following topics:
 - Working Group 1: Neutrino Oscillation Physics
 - Working Group 2: Neutrino Scattering Physics
 - Working Group 3: Accelerator Physics
 - Working Group 4: Muon Physics
- NuFact16 will be preceded by the International Neutrino Summer School (INSS 2016) that will also be held in Quy Nhon, Vietnam from 17 to 30 July 2016.

What's nufact? NuFact2014 preamble

- The NUFACT Workshops on Neutrino Factories and Future Accelerator-based Neutrino Facilities have been established since 1999 as an important yearly workshop with **emphasis on future projects**. The main goals are to review progress on different studies for future neutrino oscillation facilities able to discover the mass hierarchy of neutrinos, CP violation in the leptonic sector, charged lepton flavour violation, and **possible new phenomena**. The workshops are interdisciplinary in that experimenters, theorists and accelerator physicists share expertise to achieve common goals.

Goal of nufact (in short)

- Discuss physics and technology of future high-intensity accelerator based lepton (neutrino & muon) flavor experiments
 - Next and next-next generation experiments
 - Based on Present day experiences
- Physics area
 - Neutrino
 - Mu flavor experiments (LFV, g-2,...)
 - New phenomena
- Technology scheme
 - High-power (\sim MW and beyond) beam
 - Muon storage ring
 - Neutrino factory
 - New technology?

NuFact organization

- Scientific Program Committee
 - Define science coverage of WS
 - Define scientific goals of WS
 - Appoint WG conveners
 - Define Plenary program & Round table (questions)
 - Poster sessions?
 - SPC meeting during WS Thursday
 - Feedback to next
- Local Organizing Committee
 - Local logistics, Venue, Web,
- INSS: Their own organizing committee

- Working Group 1: **Neutrino Oscillation Physics**
Conveners:
 - Alex **Himmel** (Fermilab, USA)
 - Mark **Hartz** (Kavli IPMU, Japan)
 - Francesca **Di Lodovico** (Queen Mary University, London, UK)
- Working Group 2: **Neutrino Scattering Physics**
Conveners:
 - Gabe **Perdue** (Fermilab, Batavia, USA)
 - Hide-Kazu **Tanaka** (ICRR, Tokyo, Japan)
 - Marco **Martini** (Gent/Saclay, France)
- Working Group 3: **Accelerator Physics**
Conveners:
 - Ben **Freemire** (IIT, USA)
 - Jingyu **Tang** (IHEP, Beijing, P.R. China)
 - Chris **Densham** (STFC, UK)
- Working Group 4: **Muon Physics**
Conveners:
 - Craig **Group** (University of Virginia, Charlottesville, USA)
 - Haibo **Li** (IHEP, Beijing, P.R. China)
 - Angela **Papa** (PSI, Villigen, Switzerland)

What we are.

Takashi **Kobayashi**
KEK, Tsukuba, Japan (I am afraid I cannot do something)
chair

Alain **Blondel** **NU**
University of Geneva, Switzerland
co-chair

Need everyone' help.
Thank you!

Jorge **Morfin** **NU**
Fermilab, Batavia, USA
co-chair

Alex **Bogacz** **ACC**
Jefferson Lab, Newport News, USA

Alan **Bross** **ACC**
Fermilab, Batavia, USA

Anselmo **Cervera** **NU**
IFIC, Valencia, Spain

Marcos **Dracos** **NU**
IPHC, Strasbourg, France

Helio **de Motta** **NU**
CBPF, Rio de Janeiro, Brazil

Jacques **Dumarchez** **NU**
LPNHE, Paris, France

Stephen **Geer** **NU**
Fermilab, Batavia, USA

Maury **Goodman** **NU**
ANL, Argonne, USA

Deborah **Harris** **NU**
Fermilab, Batavia, USA

Takuya **Hasegawa** **NU**
KEK, Tsukuba, Japan

Patrick **Huber** **NU**
Virginia Tech, Blacksburg, USA

Ernesto **Kemp** **NU/UHCR**
IFGW, Campinas, Brazil

Yoshitaka **Kuno** **MU**
University of Osaka, Japan

Kenneth **Long** **NU**
Imperial College, London, UK

Naba **Mondal** **NU**
TIFR, Mumbai, India

Craig **Moore** **ACC**
Fermilab, Batavia, USA

Tadashi **Koseki** **ACC**
KEK, Tsukuba, Japan

Tsuyoshi **Nakaya** **NU**
Kyoto University, Japan

Jeffrey **Nelson** **NU**
William & Mary, Williamsburg, USA

Vittorio **Palladino** **NU**
Università di Napoli, Naples, Italy

Paul **Soler** **NU**
University of Glasgow, UK

André **Rubbia** **NU**
ETH, Zurich, Switzerland

Masato **Shiozawa** **NU**
ICRR, Tokyo, Japan

James **Strait** **NU/ACC**
Fermilab, Batavia, USA

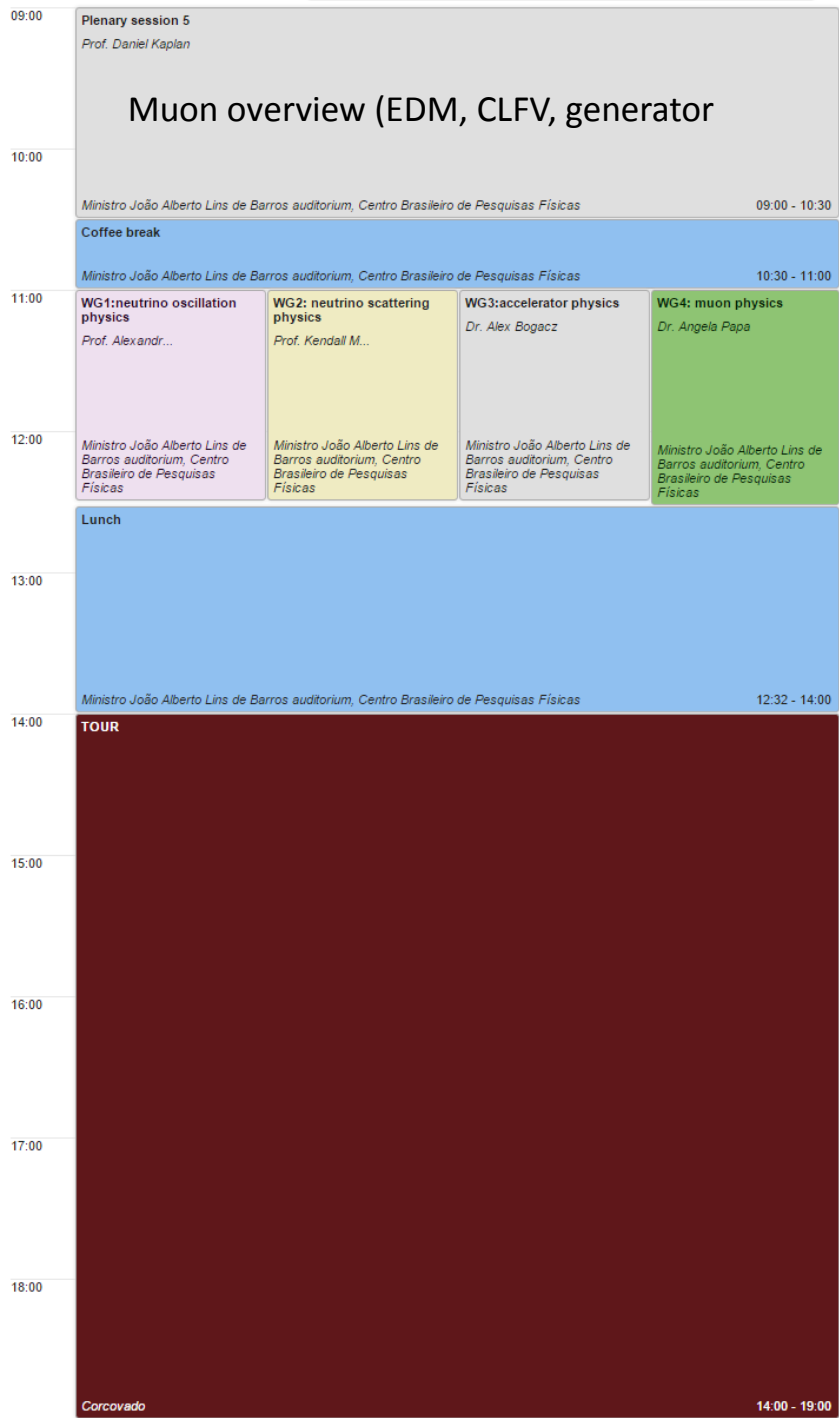
Francesco **Terranova** **NU**
Università Milano-Bicocca, Italy

Trần Thanh Vân **General/LOC**
Rencontres du Vietnam
Gif-sur-Yvette, France

Y.F. **Wang** **NU**
IHEP, Beijing, R.P. of China

08:30 - 08:55	Registration Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas
09:00	Opening Ministro João Alberto Lins de Barros Auditorium, Centro Brasileiro de Pesquisas Físicas
09:30 - 10:30	Plenary session 1 Dr. Hélio da Motta Each WGs plans
10:30 - 11:00	Coffee break Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas
11:00 - 13:00	Plenary session 2 Dr. Alex Bogacz Overview Theoretical, atm nu, nu int
13:00 - 14:30	Lunch Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas
14:30 - 15:00	WG1:neutrino oscillation physics Prof. Alexandr...
15:00 - 16:00	WG2: neutrino scattering physics Prof. Kendall M...
16:00 - 16:30	WG3:accelerator physics Prof. Daniel Ka...
16:30 - 17:00	WG4: muon physics Dr. Andrew No...
17:00 - 17:20	Round table: Developing an International Strategy toward a Neutrino Factory Jorae G. Morfin
17:20 - 17:50	Physics potential of non-conventional neutrino beams: Neutrino Factory + Prof. Alan BROSS
17:50 - 18:20	Round table: Developing an International Strategy toward a Neutrino Factory Dr. Daniel CHERDACK et al.
18:20 - 20:00	Welcome cocktail Restaurant area, Centro Brasileiro de Pesquisas Físicas

09:00 - 10:30	Plenary session 3 Dr. Marcos Dracos Glo nu fit/MOMENT/MAP/MICE			
10:30 - 11:00	Coffee break Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas			
11:00 - 12:00	WG3:accelerator physics Prof. Alan Bross	WG4: muon physics Dr. Angela Papa	Joint WG1-WG2 session Dr. Mark Hartz	
12:00 - 13:00	Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas	Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas	Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas	
13:00 - 14:30	Lunch Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas			
14:30 - 15:00	WG3:accelerator physics Dr. Dikty's Strat...	WG4: muon physics Dr. Andrew No...	WG1:neutrino oscillation physics Dr. Mark Hartz	WG2: neutrino scattering physics Dr. Marco Marti...
15:00 - 16:00	Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas	Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas	Third floor auditorium, Cesar Lattes building, Centro Brasileiro de Pesquisas Físicas	Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas
16:00 - 17:00	Coffee break Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas			
17:00 - 18:00	Plenary session 4 Prof. Hugh Gallagher NOVA/T2K			
18:00 - 18:20	Happy hour with posters			
18:20 - 20:00	Back elevator hall, Centro Brasileiro de Pesquisas Físicas			



09:00	Plenary session 8 Dr. João Alberto Lins de Barros			
10:00	The ANDES project Dr. Claudio DIB Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 09:30 - 10:00			
	The Angra neutrino project Prof. Pietro CHIMENTI Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 10:30 - 11:00			
11:00	WG2: neutrino scattering physics Prof. Kendall MAHN sixth floor auditorium, Cesar Lattes building, Centro Brasileiro de Pesquisas Físicas	WG3:accelerator physics Prof. Jingyu Tang, D... second floor auditorium, Cesar Lattes building, Centro Brasileiro de Pesquisas Físicas	joint WG1-WG4 Dr. Jonathan PALEY Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas	
12:00	joint WG2+WG3			
13:00	Lunch Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 12:30 - 14:00			
14:00	WG2: neutrino scattering physics Dr. Marco MARTINI sixth floor auditorium, Cesar Lattes building, Centro Brasileiro de Pesquisas Físicas	WG3:accelerator physics Second floor auditorium, Cesar Lattes building, Centro Brasileiro de Pesquisas Físicas	WG1:neutrino oscillation physics Dr. Mark HARTZ Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas	
15:00	Coffe break Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 15:30 - 16:00			
16:00	WG2: neutrino scattering physics Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas	WG3:accelerator physics Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas	WG1:neutrino oscillation physics Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas	WG4: muon physics Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas
17:00	SPC meeting Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 17:30 - 19:00			
18:00				
19:00				

09:00	Plenary session 9: Working groups answers to questions Dr. Deborah Harris, Jorge G. Morfin	
	WG1 summary Prof. Alexandre SOUSA Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 09:00 - 09:25	
	WG2 summary Prof. Kendall MAHN et al. Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 09:25 - 09:50	
	WG3 summary Dr. Pavel SNOPOK Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 09:50 - 10:15	
11:00	WG4 summary Dr. Andrew NORMAN Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 10:15 - 10:40	
	Coffee break Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 10:40 - 11:10	
12:00	Future Accelerator-based Neutrino Physics in Asia Prof. Takashi KOBAYASHI Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 11:10 - 11:50	
	Future Accelerator-based Neutrino Physics in America and Europe Prof. Kenneth LONG Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 11:50 - 12:30	
13:00	Welcome to Vietnam Dr. Jean TRAN THANH VAN Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 12:30 - 12:50	
	Final remarks Dr. Hélio DA MOTTA Ministro João Alberto Lins de Barros auditorium, Centro Brasileiro de Pesquisas Físicas 12:50 - 13:00	

Some comments

- Repetition rate?
 - Really need every year?
- Marge with other similar workshop?
 - NBI?
- I like to discuss on-site SPC meeting in Vietnam after experiencing all aspects of nufact (and troubles)