

Nufact08, 10th International Workshop on Neutrino Factories, Superbeams and Betabeams

Monday 30 June 2008

Plenary session 1 - Auditorium Joan Plaza (09:00-10:30)

- Conveners: Dr. PEÑA GARAY, Carlos

time	title	presenter
09:00	Neutrinos in the standard model and beyond (00h35')	MURAYAMA, Hitoshi
09:45	Physics of massive neutrinos (00h35')	GONZALEZ-GARCIA, Concha

Plenary session 2 - Auditorium Joan Plaza (11:00-13:00)

- Conveners: Prof. LONG, Kenneth

time	title	presenter
11:00	Status and prospects for long baseline experiments (00h35')	SAOULIDOU, Niki
11:40	Detector R&D for future neutrino oscillations facilities (solid detectors) (00h35')	PAUL, Soler
12:20	Optimisation of future neutrino oscillation experiments (00h35')	MENA, Olga

Working groups - S1: WG1 - Auditorium Joan Plaza (15:00-17:00)

- Conveners: Dr. LINDROOS, Mats

time	title	presenter
15:00	$\gamma=350$ Li/B beta beam (00h20')	FERNANDEZ MARTINEZ, Enrique
15:25	Unraveling neutrino parameters with a magical beta-beam at INO (00h20')	AGARWALLA, Sanjib Kumar
15:50	Breaking Dark Matter Degeneracies with Neutrino Detectors (00h20')	PALOMARES-RUIZ, Sergio
16:15	Optimising the greenfield betabeam (00h20')	WINTER, Walter
16:40	Discussion (00h20')	

Working groups - S1: WG2 - Estufa Freda (15:00-17:00)

- Conveners: Prof. MOSEL, Ulrich

time	title	presenter
15:00	Theory of low energy nuclear effects (00h30')	LEITNER, Tina
15:30	Recent update on low energy theory (00h30')	NIEVES, Juan M.
16:00	Experimental studies of low energy charged current neutrino interactions (00h20')	ALCARAZ AUNION, Jose Luis
16:20	Experimental studies of neutral current pion production at low energy (00h20')	TANAKA, Hidekazu
16:40	Charged current pi-plus production from the K2K Scibar (00h20')	WHITEHEAD, Lisa

Working groups - S1: WG3-WG4 - Sala multiusos (15:00-17:00)

- Conveners: Dr. ZISMAN, Michael

time	title	presenter
15:00	NF PD: preferred scenarios & remaining issues (00h20')	PRIOR, Christopher

15:30	Baseline scenario for SB PD, challenges and synergies with other programmes (00h20')	ZITO, Marco
16:00	Baseline scenario for MC PD, challenges and synergies with other programmes (00h20')	JANSSON, Andreas
16:30	Towards FFAG proton driver for SB, NF and MC (00h10')	PASTERNAK, Jaroslaw
16:45	Discussion session joint with WG4: Updates on the PD baseline specification (if any) and endorsement (00h15')	POZIMSKI, Juergen

Working groups - S2: WG1 - Auditorium Joan Plaza (17:30-19:00)

- Conveners: Prof. GONZALEZ-GARCIA, Concha

time	title	presenter
17:30	Prospects and synergies between future atm and LBL experiments (00h20')	MALTONI, Michele
17:55	Neutrino mass hierarchy and Majorana CP phases (00h20')	GARAYOA ROCA, Julia
18:20	Prospects of measuring θ_{13} and mass hierarchy via a supernova signal (00h20')	MIRIZZI, Alessandro
18:45	Discussion (00h15')	

Working groups - S2: WG2 - Estufa Freda (17:30-19:00)

- Conveners: Prof. MOSEL, Ulrich

time	title	presenter
17:30	Nuclear effects at low energy using electrons (00h20')	YANG, Unki
17:50	Nuclear effects at high energy (00h20')	MORFiN, Jorge G.
18:10	Discussion (00h30')	

Working groups - S2: WG3 - Sala multiusos (17:30-19:00)

- Conveners: Dr. YOSHIMURA, Koji

time	title	presenter
17:30	Horn vs. solenoid options for NF? (00h20')	YOSHIDA, Makoto
18:00	Challenges and progress on the SB horn design (00h20')	DRACOS, Marcos
18:30	Discussion session: Updates on the capture scheme specification (if any) and endorsement (00h30')	YOSHIMURA, Koji

Working groups - S2: WG4 - Sala seminari (17:30-19:00)

- Conveners: Prof. DUKES, E. Craig

time	title	presenter
17:30	Muon ($g-2$) Upgrade: BNL, Fermilab or JPARC (00h30')	ROBERTS, B. Lee
18:10	Muon electric dipole moment (00h30')	KIRCH, Klaus
18:50	Discussion session: Symmetry Tests and Dipole Moments (00h10')	

Tuesday 01 July 2008

Plenary session 3 - Auditorium Joan Plaza (09:00-10:30)

- Conveners: Dr. LINDROOS, Mats

time	title	presenter
09:00	Status and prospects for solar and atmospheric neutrinos (00h35')	KAJITA, Takaaki
09:45	Beta beam R&D status (00h35')	WILDNER, Elena

Plenary session 4 - Auditorium Joan Plaza (11:00-13:00)

- Conveners: Dr. MORFiN, Jorge G.

time	title	presenter
11:00	Results and lessons from the operation of current beams for neutrino experiments (00h35')	GSCHWENDTNER, Edda
11:40	Neutrino interactions with nuclei (00h35')	MOSEL, Ulrich
12:20	Experimental status of neutrino scattering physics and needed measurements (00h35')	NAKAYA, Tsuyoshi

Working groups - S3: WG1-WG2 - Auditorium Joan Plaza (15:00-17:00)

- Conveners: Dr. PAUL, Soler

time	title	presenter
15:00	How to do a nue->numu measurement in MINOS. Advantages and drawbacks of this detector technology (00h20')	ISHITSUKA, Masaki
15:25	Systematic effects in MINOS- nuclear and cross section effects (00h20')	DYTMAN, Steven
15:50	Status of MIND (00h20')	LAING, Andrew
16:15	Status of T ASD (00h20')	BROSS, Alan
16:40	Discussion (00h20')	

Working groups - S3: WG3-WG4 - Sala multiusos (15:00-17:00)

- Conveners: Dr. PALMER, Robert

time	title	presenter
15:00	Pro and cons of existing cooling schemes? (00h20')	NEUFFER, David
15:30	Experimental tests of cooling: expected results and what else should be done? (00h20')	ZISMAN, Michael
16:00	RF issues for muon ionisation cooling channels (00h20')	LI, Derun
16:30	JOINT Discussion session joint with WG4: Updates on the front end specification (if any) and endorsement (00h30')	PALMER, Robert

Working groups - S4: WG1-WG2 - Auditorium Joan Plaza (17:30-19:00)

time	title	presenter
17:30	How to do a nue->numu measurement in a SK-like detector. Advantages and drawbacks of this detector technology (00h20')	ISHIHARA, Chizue
17:55	Status of INO (00h20')	RAYCHAUDHURI, Amitava
18:20	Impact of systematic uncertainties (00h20')	MEZZETTO, Mauro
18:45	Discussion (00h15')	

Working groups - S4: WG3-WG4 - Sala multiusos (17:30-19:00)

- Conveners: Dr. KEIL, Eberhard

time	title	presenter
17:30	Can we share a muon source among NF, MC and low energy muon programmes? (00h20')	GEER, Steve
18:00	Status of END to END simulation (00h15')	PRIOR, Christopher
18:20	Pion yields (00h10')	BACK, John
18:35	Status of studies of a solid target for a Neutrino Factory (00h10')	EDGECOCK, Rob
18:50	Study of a water-cooled solid target (00h10')	BROOKS, Stephen

Poster session - Estufa Freda (19:30-22:00)

time	title	presenter
19:30	All posters (02h30')	

Wednesday 02 July 2008

Plenary session 5 - Auditorium Joan Plaza (09:00-10:30)

- Conveners: GOMEZ CADENAS, Juan Jose

time	title	presenter
09:00	Project-X and its connection to neutrino physics (00h40')	HARRIS, Deborah JANSSON, Andreas
09:50	The scientific case for muon physics at a neutrino factory (00h35')	DAVIDSON, Sacha

Plenary session 6 - Auditorium Joan Plaza (11:00-13:00)

- Conveners: BLONDEL, Alain

time	title	presenter
11:00	Status and prospects for hadron production experiments (00h35')	CATANESI, Maria-Gabriella
11:40	Neutrino scattering physics at future neutrino oscillation facilities (00h35')	PETTI, Roberto
12:20	Non oscillation flavor physics at future neutrino oscillation facilities (00h35')	YASUDA, Osamu

Working groups - S3': WG3 - Sala multiusos (15:00-17:00)

- Conveners: Dr. LINDROOS, Mats

time	title	presenter
15:00	RCS design (00h20')	LACHAIZE, Antoine
15:25	Decay ring status / studies (00h20')	CHANCE, Antoine
15:50	High frequency ECR source (60 GHz) in pre-glow mode for bunching of beta-beam isotopes (00h20')	THUILLIER, Thomas
16:15	Direct production of ^8Li and ^6He using neutrons from low energy deuterons (00h20')	HASS, Michael
16:40	R&D challenges in FP7 (00h20')	DELAHAYE, Pierre

Working groups - S3': WG4 - Sala seminari (15:00-17:00)

- Conveners: Prof. GATTI, Flavio

time	title	presenter
15:00	Positron timing and detection in the MEG experiment (00h25')	VALLE, Riccardo
15:35	Status of PRISM-FFAG Phase Rotator (00h25')	SATO, Akira
16:10	Plan for Accelerator Beam Study Towards J-PARC Muon Projec (00h25')	YOSHIMURA, Koji

Thursday 03 July 2008

Plenary session 7 - Auditorium Joan Plaza (09:45-10:30)

- Conveners: Prof. MORI, Yoshiharu

time	title	presenter
09:45	Synergies between neutrino physics and collider physics (00h35')	PILAFTSIS, Apostolos

Plenary session 8 - Auditorium Joan Plaza (11:00-13:00)

- Conveners: Dr. PRIOR, Christopher Prior

time	title	presenter
11:00	Muon acceleration: introduction and R&D on limiting technologies (00h35')	BROSS, Alan
11:40	From the neutrino factory to a muon collider (00h35')	PALMER, Robert
12:20	Experiments for accelerator R&D (00h35')	KIRK, Harold

Working groups - S5: WG1-WG2 - Auditorium Joan Plaza (15:00-17:00)

- Conveners: Dr. DRACOS, Marcos

time	title	presenter
15:00	Charm production x-sections (00h20')	DI CAPUA, Francesco
15:25	Experience from OPERA (00h20')	CAZES, Antoine
15:50	Design and Performance of ECC-MECC (00h20')	SCOTTO LAVINA, Luca
16:15	Prospects for the Platinum Mode (00h20')	ISHITSUKA, Masaki
16:40	Discussion (00h20')	

Working groups - S5: WG3 - Sala multiusos (15:00-17:00)

- Conveners: Dr. POZIMSKI, Juergen

time	title	presenter
15:00	Particle production vs. energy: how do simulation results match experimental measurements? (00h20')	BONESINI, Maurizio
15:30	Can solid target vs. liquid target survive SB and/or NF proton beam structure at 2-4 MW? (00h20')	MCDONALD, Kirk
16:00	What additional experimental results are needed to make a choice of SB and NF target? (00h20')	MCDONALD, Kirk
16:30	Discussion session: Updates on the target specification (if any) and endorsement (00h30')	KIRK, Harold

Working groups - S5: WG4 - Sala seminari (15:00-17:00)

- Conveners: Dr. ISHIDA, Katsuhiko

time	title	presenter
15:00	Muon Lifetime Program at PSI (00h35')	KAMMEL, Peter
15:45	Muon Decay Parameters (TWIST experiment at TRIUMF,...) (00h25')	GROSSHEIM, Alexander
16:20	The MICE PID Instrumentation (00h25')	BONESINI, Maurizio

Working groups - S6: WG1-WG3 - Auditorium Joan Plaza (17:30-19:30)

- Conveners: Dr. WILDNER, Elena

time	title	presenter
17:30	Optimisation of betabeam: questions to accelerators (00h15')	DONINI, Andrea
17:45	Answers from accelerators (00h20')	LINDROOS, Mats
18:05	Discussion (00h20')	
18:25	Optimisation of nufact: questions to accelerators (00h15')	HUBER, Patrick
18:40	Answers from accelerators (00h20')	ZISMAN, Michael
19:00	Discussion (00h20')	

Working groups - S6: WG2 - Sala multiusos (17:30-19:30)

- Conveners: BLONDEL, Alain

time	title	presenter
17:30	Theoretical motivation for electroweak physics with neutrinos (00h20')	DE GOUVEA, Andre
18:00	Future Experiments : NuSong (00h20')	SCHIENBEIN, Ingo
18:30	Future Experiments : Project X (00h20')	PETTI, Roberto

Working groups - S6: WG4 - Sala seminari (17:30-19:30)

- Conveners: Prof. ROBERTS, B. Lee

time	title	presenter
17:30	LFV: Muon to electron conversion, Mu2e at Fermilab (00h30')	DUKES, E. Craig
18:10	LFV: Muon to electron conversion, COMET and PRISM/PRIME at JPARC (00h30')	KUNO, Yoshitaka
18:50	LFV: Performance of the LXe Calorimeter for the mu-> e gamma experiment (MEG) (00h25')	NICOLO, Donato

Friday 04 July 2008

Plenary session 9 - Auditorium Joan Plaza (09:00-10:30)

- Conveners: Prof. SAKUDA, Makoto

time	title	presenter
09:00	Beyond 3 neutrino oscillations (00h35')	DE GOUVEA, Andre
09:45	Prospects for mass scale and inverted hierarchy in non oscillations experiments (00h35')	PASCOLI, Silvia

Plenary session 10 - Auditorium Joan Plaza (11:00-13:00)

- Conveners: Prof. KUNO, Yoshitaka

time	title	presenter
11:00	Experimental prospects for muon physics at a neutrino factory (00h35')	ROBERTS, B. Lee
11:40	Status and prospects for reactor experiments (00h35')	LHUILIER, David
12:20	What cosmology can tell us about neutrino physics in the next 10 years? (00h35')	PASTOR, SERGIO

Working groups - S7: WG1 - Auditorium Joan Plaza (15:00-17:00)

- Conveners: Prof. OHLSSON, Tommy

time	title	presenter
15:00	Neutrino factory without charge ID (00h20')	HUBER, Patrick
15:30	Probing non standard neutrino physics at T2KK and Nufact (00h20')	UCHINAMI, Shoichi
15:55	Can OPERA help constraining neutrino NSI (00h15')	ESTEBAN-PRETEL, Andreu
16:15	Non-standard interactions using the OPERA experiment (00h15')	BLENNOW, Mattias
16:35	Limit on Non-Standard Interactions from the atmospheric neutrino data (00h20')	MITSUKA, Gaku

Working groups - S7: WG2 - Estufa Freda (15:00-17:00)

- Conveners: Dr. BOYD, Steven; Dr. HAYATO, Yoshinari; Prof. MCFARLAND, Kevin

time	title	presenter
15:00	Discussion and Review - Questions for next meeting (02h00')	

Working groups - S7: WG3-WG4 - Sala multiusos (15:00-17:00)

- Conveners: Dr. NAKAYA, Tsuyoshi

time	title	presenter
15:00	Horn operational experience in K2K, NuMI and CNGS (00h20')	PARDONS, Ans
15:30	Radiation protection lessons (00h20')	VINCKE, Heinz
16:00	Delivering high intensity proton beam: lessons for the next beam generations (00h20')	CHILDRESS, Sam
16:30	Discussion session joint with WG4: From sessions 1-7: overall accelerator issues for NF (00h30')	NAKAYA, Tsuyoshi

Working groups - S8: WG1 - Auditorium Joan Plaza (17:30-19:00)

- Conveners: Dr. CHOUBEY, Sandhya; Prof. HERNANDEZ, Pilar Hernandez Gamazo; Dr. WALTER, Chris

time	title	presenter
17:30	Recapitulation: where we stand and what to do next ? (01h30')	

Working groups - S8: WG3-WG4 - Sala multiusos (17:30-19:00)

- Conveners: Prof. MORI, Yoshiharu

time	title	presenter
17:30	Pro and cons of existing acceleration scheme? (00h20')	BOGACZ, Alex
18:00	FFAG R&D activities in Japan and results from operating facilities (00h20')	MORI, Yoshiharu
18:30	Discussion session joint with WG4: Overall outcomes of WG3 sessions and what's next? (00h30')	, WG3 conveners

Saturday 05 July 2008

Plenary session 11 - Auditorium Joan Plaza (09:00-10:30)

- Conveners: Dr. ZISMAN, Michael

time	title	presenter
09:00	WG1 summary (00h20')	, WG1 conveners
09:30	WG2 summary (00h20')	, WG2 conveners
10:00	WG3 summary (00h20')	, WG3 conveners

Plenary session 12 - Auditorium Joan Plaza (11:00-13:00)

- Conveners: Prof. BERNABEU, Jose

time	title	presenter
11:00	WG4 summary (00h20')	, WG4 conveners
11:30	Discussion (00h30')	
12:00	Closing talk (00h45')	QUIGG, Chris