

NBI2022: 12th International Workshop on Neutrino Beams and Instrumentation

Monday, 19 September 2022

NBI 2022: Registration (07:30 - 08:00)

NBI 2022: Status of existing neutrino beams (08:00 - 09:40)

-Conveners: Patrick Hurh

time	[id] title	presenter
08:00	[11] Welcome	DENSHAM, Chris
08:10	[2] T2K status	NAKADAIRA, Takeshi
08:40	[3] Current Fermilab Nu Beam Facilities (NuMI, NOvA, BNB)	YONEHARA, Katsuya
09:10	[4] Neutrinos@LHC	CALVIANI, Marco

NBI 2022: Status of upgrades/new neutrino beams (09:50 - 10:50)

-Conveners: Eric Zimmerman

time	[id] title	presenter
09:50	[5] Beamline upgrade for T2K-II/HyperK	FRIEND, Megan
10:15	[6] LBNF overview	GOLLWITZER, Keith

NBI 2022: Status of upgrades/new neutrino beams (14:00 - 15:45)

-Conveners: Eric Zimmerman

time	[id] title	presenter
14:00	[10] Mu2e, COMET	LYNCH, Kevin
14:25	[9] ENUBET, NuSTORM	TERRANOVA, Francesco
14:55	[8] BDF/SHiP	JACOBSSON, Richard
15:20	[7] ESSnuSB	TOLBA, Tamer

NBI 2022: Physics (and engineering) design and optimisation (15:45 - 16:40)

-Conveners: Chris Densham

time	[id] title	presenter
15:45	[12] T2K/HyperK target	NAKADAIRA, Takeshi
16:10	[13] LBNF target and horn system	BACK, John

NBI 2022: Flux and hadron production calculations and experiments (17:00 - 18:00)

-Conveners: Takeshi Nakadaira

time	[id] title	presenter
17:00	[14] NA61	ZIMMERMAN, Eric
17:20	[15] NA61 - low energy	MUSSOLINI, Carlo
17:40	[16] Modeling horn cooling water for fine neutrino flux estimation	NISHIMORI, Sakiko

Tuesday, 20 September 2022

NBI 2022: Primary and secondary beamline interface issues (09:00 - 10:35)

-Conveners: Megan Friend

time	[id] title	presenter
09:00	[20] Upgrades to the beam position and profile interlock scheme for the J-PARC neutrino beamline	TAIRAFUNE, Seidai
09:20	[19] Implementation of a new mode into the interlock system on normal-conducting magnet failure	NAKAYOSHI, Kazuo
09:40	[18] Installation, alignment, and commissioning of primary and secondary beamline components for LBNF	PAVLOVIC, Zarko
10:00	[17] Upgrade of J-PARC primary beam line	FUJII, Yoshiaki

NBI 2022: Target systems (10:55 - 12:30)

-Conveners: Chris Densham

time	[id] title	presenter
10:55	[21] Fermilab neutrino target experience	LOLOV, Georgi
11:15	[22] T2K target experience and upgrades for HyperK (1.3MW)	FITTON, Michael
11:35	[23] LBNF target design and development	WILCOX, Dan
11:55	[24] Target and horn pulsed effects and vibration issues	LOVERIDGE, Peter

NBI 2022: Magnetic horns and collector systems (13:30 - 15:05)

-Conveners: Keith Gollwitzer

time	[id] title	presenter
13:30	[77] Overview of HiRadMat and the Eurolabs Initiative	MUSSOLINI, Carlo
13:50	[27] LBNF Horns and Challenges	LEE, Meredith
14:10	[26] Colorado Horn Program for T2K	REH, Michael
14:30	[25] Fermilab Horns Operational Experience	LEE, Meredith

NBI 2022: Instrumentation, diagnostics & beam monitors (15:25 - 17:00)

-Conveners: Katsuya Yonehara

time	[id] title	presenter
15:25	[30] CERN (LHC)	BURGER, Stephane
15:45	[31] NuMI	YU, Yiding
16:05	[29] J-PARC	FRIEND, Megan
16:25	[28] LBNF	PAVLOVIC, Zarko

Wednesday, 21 September 2022

NBI 2022: Facility Remote Handling (09:00 - 10:35)

-Conveners: Peter Loveridge

time	[id] title	presenter
09:00	[32] T2K Remote handling experience	TADA, S
09:20	[33] Fermilab Remote Handling	HURH, Patrick
09:40	[34] Neutrino target remote exchanger design developments	HARVEY-FISHENDEN, Eric
10:00	[35] CERN Absorber remote handling design/experience	GRENARD, Jean-Louis

NBI 2022: Radiological and Safety Issues (10:55 - 12:30)

-Conveners: Heinz Vincke

time	[id] title	presenter
10:55	[49] Radiation Protection issues at CERNs north experimental areas	NOWAK, Elzbieta
11:15	[48] Recent status of the tritium problem at the J-PARC neutrino beamline	OYAMA, Yuichi
11:35	[47] CERN LHC beam dump block autopsy: implementation & early results	BERNARDES, Ana-Paula
11:55	[46] LBNF Radiation Safety Issues	REITZNER, Diane

NBI 2022: Beam windows, collimators and hadron absorbers (13:30 - 15:05)

-Conveners: Marco Calviani

time	[id] title	presenter
13:30	[53] Beam Windows and Upstream Decay Window Remote Handling	PETERSON, Quinn
13:55	[52] NuMI Absorber operational experience as well as LBNF design and status	SIDOROV,, Vladimir
14:15	[51] Operation & upgrades on the T2K hadron absorber towards 1.3 MW operation	NAKADAIRA, Takeshi
14:35	[50] Beam windows at CERN and studies at the HiRadMat facility	SOLIERI, Nicola

NBI 2022: Beam windows, collimators and hadron absorbers (15:25 - 16:15)

-Conveners: Marco Calviani

time	[id] title	presenter
15:25	[54] LHC collimators and absorbers - status and upgrades	CALVIANI, Marco
15:50	[55] Plans for T2K Main Ring tune-up/abort dump upgrade	DENSHAM, Chris

NBI 2022: Discussion & workshop close (16:15 - 17:00)

-Conveners: Chris Densham

Thursday, 22 September 2022

NBI 2022: RAL TOUR (07:50 - 12:30)

time	[id] title	presenter
07:50	[36] Transport to RAL (RAL tour group only)	
08:30	[39] Check in at reception	
09:00	[38] Tea & coffee followed by welcome presentation from Director of Technology	ORLOWSKA, Anna
09:35	[43] ISIS tour (Group 2)	
09:35	[40] High Power Target tour (Group 1)	
11:00	[41] ISIS tour (Group 1)	
11:00	[42] High Power Target tour (Group 2)	