

SNvD 2023@LNGS: International Conference on Supernova Neutrino Detection

Monday, 29 May 2023

Talk session - Auditorium "E. Fermi" (13:30 - 19:30)

-Conveners: Kate Scholberg; Aldo Ianni

time	[id] title	presenter
13:30	Welcome lunch	
14:30	[1] Conference introduction	BUCCI, Carlo BONIVENTO, Walter M.
15:00	[2] Welcome from the LNGS director	PREVITALI, Ezio
15:25	[13] New physics and SN neutrinos	SEN, Manibrata
16:05	[5] Super-Kamiokande sensitivity	TAKEDA, Atsushi
16:35	[34] RES-NOVA sensitivity	PATTAVINA, Luca
17:05	Coffee break	
17:45	[3] DarkSide-20k/ARGO sensitivity	FRANCO, Davide
18:15	[6] Supernova neutrinos and oscillations	KNELLER, James
19:00	[4] Xenon-nT and Darwin/XLZD sensitivity	KARA, Melih

Tuesday, 30 May 2023

Talk session - Auditorium "E. Fermi" (09:00 - 19:10)

time	[id] title	presenter
09:00	[18] JUNO sensitivity	STAHL, Achim
09:30	[56] The Theory of Three-Dimensional Core-Collapse Supernova Explosions	BURROWS, Adam
10:30	[21] SNO+ sensitivity	TSENG, Jeffrey
11:00	Coffee break	
11:25	[37] Studies of the SN1987A region	MICELI, Marco
12:00	[38] Neutron stars	BELL BURNELL, Jocelyn
13:30	Lunch	
14:30	[33] SN modelling and neutrinos	JANKA, Hans-Thomas
15:30	[20] DUNE sensitivity	FANÌ, Mattia
16:00	[7] Pre-collapse phase and multi-messenger signatures of core-collapse supernovae	KOTAKE, Kei
16:50	Coffee break	
17:20	[58] Quantum decoherence in Supernova neutrino detection	DOS SANTOS, Marcos Vinicius
17:40	[23] LZ sensitivity	SZYDAGIS, Matthew
18:10	[32] SN neutrino fluxes in different experiments and anti-neutrino fluxes	GALLO ROSSO, Andrea
18:40	[26] LVD Legacy	VIGORITO, Carlo Francesco

Wednesday, 31 May 2023

Talk session - Auditorium "E. Fermi" (09:00 - 14:20)

time	[id] title	presenter
09:00	[16] SNEWS alert system and follow up with GRANMA	COLOMER MOLLA, Marta
09:50	[52] SNEWS software stacks	MIGENDA, Jost
10:15	[39] Hyper-Kamiokande sensitivity	DE ROSA, Gianfranca
10:45	Coffee break	
11:15	[41] Multi-messenger: GWs and neutrinos	PAGLIAROLI, Giulia
11:45	[42] Diffused supernova neutrino background	HORIUCHI, Shunsaku
12:25	[43] HALO sensitivity	VIRTUE, Clarence
13:00	[61] Supernova-produced dark matter and directional detectors like CYGNO	BARACCHINI, Elisabetta
13:30	Lunch	

Talk session - Auditorium "E. Fermi" (14:20 - 17:00)

time	[id] title	presenter
14:20	[65] KAMLAND results on supernova neutrinos	EIZUKA, Minori
14:50	[45] Measurements of cross-section with COHERENT	EFREMENKO, Yuri
15:20	[44] KM3net sensitivity	KULIKOVSKIY, Vladimir
15:50	[46] Directionality/Pointing/Triangulation	SCHOLBERG, Kate
16:20	[67] When art meets science	MAGNANI, Enrico
16:40	Coffee break	