

**June 11–June 15****Kinshou Hall****Scientific Program**

June 11 Mon.	9:00 – 10:30	Chair	Robertson H	Introductory session
			Ejiri H	10 NDM12 co-chair Opening
			Vergados J	40 UOI Neutrinos and double beta decays (DBD) from a modern perspective
			Fiorini E	40 U.Milano DBD review and cryogenic experiments for DBD and dark matter (DM) s
June 11 Mon.	11:00–12:30	Chair	Simkovic F	DBD and neutrino experiments
			Inoue K	30 Tohoku U Status of KamLAND–Zen
			Neilson R	30 Chicago The Enriched Xe Observatory (EXO) for Xe DBD
			Orio F	30 INFN Rome CUORE–0 and CUORE for DBD; status and plans
June 11 Mon.	14:00 – 16:00	Chair	Inoue K	DBD experiments; present and future
			Cossavella F	20 MPI Status of the GERDA experiment
			Dussan B	20 TU Muenchen Active BG suppression in the GERDA experiment
			Schulz O	20 MPI The COBRA DBD experiment
			Hazama R	20 Osaka Sangyo The MOON DBD experiment
			Lozza V	20 TU.Dresden The SNO+ DBD experiment
			Kakuno H	20 TMU The DCBA DBD experiment
June 11 Mon.	16:30 – 18:30	Chair	Iachello F	DBD–DM and neutrino nuclear responses
			Green M	30 UNC The Majorana demonstrator for DBD and Ge for DM search
			Shima T	20 RCNP Neutrino nuclear reactions by photon and lepton probes
			Harakeh M	30 KVI Spin isospin responses by charge exchange reactions and implications f
			Boswell M	20 LANL Gamma–ray and neutron induced reactions pertinent to neutrino physic
			Ejiri H	20 RCNP Remarks on nuclear spectroscopy for neutrino and DM studies in nuclei

**19:00 – 21:00****Reception****Restaurant Hafutaimu in Nara National Museum**

June 12 Tue.	9:00 – 10:30	Chair	Suhonen J	Neutrino nuclear responses for DBD
			Iachello F	30 Yale Advances in the theory of neutrino–less DBD matrix elements
			Simkovic F	30 Bratislava Neutrino–less DBD and double electron capture
			Rodriguez	30 TU GSI Neutrino–less DBD matrix elements
I. June 12 Tue.	11:00–12:30	Chair	Cheoun, M.–K.	Weak nuclear responses and neutrino masses
			Suhonen J	30 JYU Weak nuclear decays, –the play ground of nuclear, particle and astrophysics
			Frekers D	30 Munster Recent experimental results on DBD matrix elements
			Mertens, S.	30 KIT Status and perspectives of the KATRIN experiment
I. June 12 Tue	14:00 – 16:00	Chair	Frekers D	DM and neutrino scattering
			Moriyama S	30 ICRR Liquid Xe experiments for WIMP search
			Maruyama R	30 N.Wisconsin DM–Ice, DM search with NaI
			Fushimi K	20 Tokushima U DM search with PICO–LON.
			Murase K	20 CCAPP/Ohio Neutrino and $\gamma$ –ray constraints on very heavy DM

	Deniz M	20 Dokuz Eylul Univ	Constraining new physics with neutrino–electron scattering
Jun12 Tue	16:00 – 16:30	Chair Chair Fushimi K	Short oral presentation and poster presentation
	Singh V	Banaras Hidu U	Neutrino and dark matter searches
	Hidaka J	NAOJ	Asymmetric neutrino transport in strong toroidal magnetic field
	Sofue Y	Tokyo	The local DM density
	Yasuda K	ISC Lab. Osaka	Study of high purity NaI scintillator for Dark Matter search
	Famiano M	W. Michigan U.	Neutrino effects on the r–process in black–hole forming supernovae
	Sugawara R	Tokushima U	PICO–LON project to search for WIMPs, Prototype of PICO–LON
	Hashim I	Osaka U	$\mu$ – nuclear response studies and nuclear isotope detection using $\mu$ pro

**16:30 – 18:30**

**Poster session Small hall with coffee and tea**

June 13 Wed	9:00–10:30	Chair Balantekin B	Solar neutrinos and solar models
	Robertson H	30 U. Washington	Solar neutrinos, the physics gold mine
	Shibahashi H	30 Tokyo	Helioseismology and solar neutrinos
	Gavrin V	30 INR RAS	Current status of the Ga– Cr neutrino project
June 13 Wed	11:00 – 12:30	Chair Gavrin V	Neutrino oscillations and $\theta_{13}$
	Heeger K	30 U. Wisconsin	Reactor neutrino experiments: recent results and future plans
	Okumura K	30 ICRR	Review of accelerator based neutrino oscillation results and implication
	Kajino T	30 NAOJ/Tokyo	Neutrino oscillation and $\theta_{13}$ in super nova (SN)–nucleosynthesis
June 13 Wed	14:00 – 16:10	Chair Vergados J	Low energy neutrinos and DM search
	Wong H. T.K	30 A.S Taiwan	Low energy neutrino and DM physics with sub–keV Ge detector
	Wu Y	20 Tsinghua U.	Status of CDEX at CJPL
	Honma M	30 NAOJ	Galaxy structure revealed with VERA and DM
	Miuchi T	30 Kobe U	NEWAGE
	Lippincott W H	20 FNAL	COUPP – Searching for DM with bubble chambers
June 13 Wed	16:30– 18:30	Chair Shibahashi H	Neutrino nuclear interactions
	Paar N	30 Zagreb	Neutrino–nucleus reactions based on relativistic nuclear energy density
	Sakuda M	30 Okayama	Neutrino–nucleus interactions relevant to atmospheric neutrinos & neut
	Maruyama T	30 Nihon U	Pulsar kick and RMFT for neutrino–hadron int of SNe
	Sato T	30 Osaka U	Neutrino nucleus reaction in a few nucleon system
June 14 Thu	9:00 – 10:30	Chair Harakeh M	Neutrino nuclear reactions
	Suzuki T	30 Nihon U	Neutrino–nucleus reactions based on recent shell–model interactions
	Cheoun, M.–K.	30 Seoul	Gamow–Teller States and neutrino reactions in QRPA and deformed QF
	Ydrefors E	30 JYU	SN neutrino responses for Mo isotopes
June 14 Thu	11:00 – 12:30	Chair Fuller G	SN neutrinos and nucleosynthesis
	Hayakawa T	30 JAERI	Synthesis of heavy isotopes by neutrino–induced reaction in supernova
	Nakamura K	20 NAO	Neutrino–induced nucleosynthesis in supernova explosions

Wu M R	20 U. Minnesota	Neutrino Oscillations in Supernovae
Banerjee T	20 UCB	Neutrino-Induced nucleosynthesis in the early galaxy

**12:35 – 12:45**                      **Group Photo**

**14:00 – 18:00**                      **Excursion**                      **Todaiji Museum, Toudaiji Daibutsu den (The great Buddha), Nara Park**  
**18:30 – 21:00**                      **Banquet**                      **Nara Hotel**

June 15 Fri	9:00 – 12:30	Chair Suzuki T	Supernovae and DM
	Kurahashi N	20 U. Wisconsin	Neutrino astronomy with Ice Cube
	Kusakabe M	30 ICRR	Big bang nucleosynthesis and DM
	Rott C	30 CCAPP Ohio	New methods in the search for DM in the sun
June 15 Fri	11:00 – 12:30	Chair Wong H	DM and dark energy in astronomy
	Gondolo P	30 Utah	Overview of DM theory
	Miyazaki S	30 NAOJ	Wide field imaging observation using Subaru to probe DM distribution
	Chiba M	30 Tohoku/Sendai	DM structure in galactic and sub-galactic scales
June 15 Fri	12:30– 14:15	Chair Fiorini E	Perspectives of neutrinos and DM in nuclear physics
	Balantekin B	40 U. Wisconsin	Outlook for neutrino physics
	Kajino T	15 NDM12 co-chair	Closing remarks