

Neutrino and Dark Matter in Nuclear Physics 2015

Monday, 1 June 2015

Double Beta Decay - FYS1 (14:30 - 16:00)

-Conveners: F. Simkovic

time	[id] title	presenter
14:30	[55] Double-beta decay and nuclear structure correlations	MENENDEZ, Javier
15:00	[79] Present status and future perspectives for neutrinoless double beta decay nuclear matrix elements with energy density functional methods	RODRIGUEZ, Tomas
15:30	[75] Neutrinoless $\beta\beta$ -decay and physics beyond standard model	RATH, Prafulla Kumar

Tuesday, 2 June 2015

Double Beta Decay - YAA303 (11:30 - 13:00)

-Conveners: A. Barabash

time	[id] title	presenter
11:30	[13] The nuclear matrix elements of $0\nu\beta\beta$ decay and the NUMEN project at INFN-LNS	CAPPUZZELLO, Francesco
12:00	[24] Search for neutrinoless double-beta decay of ^{136}Xe with nEXO	FARINE, Jacques
12:30	[21] The MAJORANA DEMONSTRATOR project	ELLIOTT, Steve

Wednesday, 3 June 2015

Double Beta Decay - FYS1 (08:30 - 11:00)

-Conveners: M. Horoi

time	[id] title	presenter
08:30	[72] Predictions for leptonic Dirac CP violation	PETCOV, Serguey
09:00	[11] The present generation of bolometers for double beta decay searches	BROFFERIO, Chiara
09:30	[16] Matrix elements for $2\nu\beta\beta$ and $0\nu\beta\beta$ decays: Current results and applications	CIVITARESE, Osvaldo
10:00	[6] Review of modern double beta decay experiments	BARABASH, Alexander
10:30	[20] Neutrino nuclear responses for double beta decays and astro neutrino interactions	EJIRI, Hiro

Double Beta Decay - FYS1 (14:30 - 16:00)

-Conveners: S. Petcov

time	[id] title	presenter
14:30	[78] Right-handed currents in single and double beta decay	RODEJOHANN, Werner
15:00	[7] Double beta decay matrix elements in the IBM-2 with isospin restoration	BAREA, Jose
15:20	[37] A path toward ab initio calculations of neutrinoless double beta decay	HOLT, Jason
15:40	[47] Neutrinoless double beta decay without and with Majoron emission	KOTILA, Jenni

Double Beta Decay: Double Beta Decay - FYS1 (16:30 - 19:00)

-Conveners: D. Frekers

time	[id] title	presenter
16:30	[96] Double Gamow-Teller resonances – the other side of double beta decays	UESAKA, Tomohiro
17:00	[89] The AMoRE experiment: A search for neutrinoless double beta decay of ^{100}Mo	SO, Jungho
17:20	[28] Search for neutrinoless double beta decay with KamLAND-Zen	GANDO, Azusa
17:40	[9] CUORE-0 experiment: first physics results	BIASSONI, Matteo
18:00	[40] Large-scale shell model calculations for neutrinoless double beta decay of ^{48}Ca	IWATA, Yoritaka
18:20	[93] Status and perspectives of the COBRA double beta decay experiment	TEBRÜGGE, Jan

Thursday, 4 June 2015

Double Beta Decay - FYS1 (11:30 - 13:00)

-Conveners: O. Civitarese

time	[id] title	presenter
11:30	[23] Reducing uncertainty in the matrix elements governing neutrinoless double-beta decay	ENGEL, Jonathan
12:00	[38] Nuclear matrix elements for double-beta decay: a shell model perspective	HOROI, Mihai
12:30	[27] Charge-exchange reactions, GT transitions and the things beyond for the double beta decay	FREKERS, Dieter

Double Beta Decay - FYS1 (14:30 - 15:30)

-Conveners: H. Ejiri

time	[id] title	presenter
14:30	[88] Neutrinoless double beta decay with left and right-handed currents revisited	SIMKOVIC, Fedor
15:00	[80] Topological detection of double beta decay with NEMO-3 and SuperNEMO	SAAKYAN, Ruben