

Neutrino and Dark Matter in Nuclear Physics 2015

Monday, 1 June 2015

Supernova and Solar neutrinos, Neutrino Oscillations - FYS1 (11:30 - 13:00)

-Conveners: B. Balantekin

time	[id] title	presenter
11:30	[4] Heavy element nucleosynthesis in core-collapse supernovae and neutron star mergers	ARCONES, Almudena
12:00	[22] Multi-dimensional simulations of core-collapse supernova explosions with CHIMERA	ENDEVE, Eirik
12:30	[35] Neutrino process in supernova explosion and effects to primitive meteorites	HAYAKAWA, Takehito

Tuesday, 2 June 2015

Supernova and Solar neutrinos, Neutrino Oscillations - YAA303 (14:30 - 16:30)

-Conveners: S. Mertens

time	[id] title	presenter
14:30	[102] On the role of eV-sterile neutrinos in core-collapse supernovae	WU, Meng-Ru
15:00	[103] Experimental searches for eV-scale sterile neutrinos	WURM, Michael
15:30	[63] Neutrino emissivities from deuteron breakup and formation in supernova	NAKAMURA, Satoshi
15:50	[77] Results from the OPERA experiment on the CNGS beam	RODA, Marco
16:10	[87] Status of the Double Chooz experiment	SIBILLE, Valerian

Wednesday, 3 June 2015

Supernova and Solar neutrinos, Neutrino Oscillations - YAA303 (11:30 - 13:00)

-Conveners: A. Mirizzi

time	[id] title	presenter
11:30	[25] Role of light nuclear clusters in simulations of core collapse supernovae	FISCHER, Tobias
12:00	[32] Light sterile neutrinos	GIUNTI, Carlo
12:30	[57] Probing the neutrino mass and search for sterile neutrinos with the KATRIN experiment	MERTENS, Susanne

Thursday, 4 June 2015

Supernova and Solar neutrinos, Neutrino Oscillations - YAA303 (14:30 - 15:30)

-Conveners: S. Elliott

time	[id] title	presenter
14:30	[12] Exploring solar neutrinos - recent results and future opportunities	CALAPRICE, Frank
15:00	[70] Flavor evolution of supernova neutrinos as a many-body problem	PEHLIVAN, Yamac

Friday, 5 June 2015

Supernova and Solar neutrinos, Neutrino Oscillations - FYS1 (08:20 - 11:20)

-Conveners: J. Maalampi

time	[id] title	presenter
08:20	[5] Neutrino properties, collective neutrino oscillations, and r-process nucleosynthesis	BALANTEKIN, Baha
08:50	[58] Supernova neutrino flavor conversions: Challenges and opportunities	MIRIZZI, Alessandro
09:20	[56] Neutrino flavor transformation in compact object mergers and collapsars	MCLAUGHLIN, Gail
09:50	[84] Solar models and neutrinos: the standard model and beyond	SERENELLI, Aldo
10:20	[99] Solar models and neutrinos: A quantitative analysis of the solar abundance problem	VILLANTE, Francesco
10:50	[52] Supernovae, neutron stars and the equation of state of dense matter	LATTIMER, James