



# The 16th International Symposium on Origin of Matter and Evolution of Galaxies

## Thursday 27 October 2022

### Thursday - Session 3: Explosive Stellar Objects and Nuclear Physics - Supernovae (13:30-15:10)

**-Conveners: Kei Kotake**

time	[id] title	presenter
13:30	[20] Core-collapse Supernova Models with Heavy Axion-like Particles	MORI, Kanji
13:50	[59] Strong magnetic field impact on the neutrino process inside SNe explosion	LUO, Yudong
14:10	[41] A systematic study of core-collapse supernovae based on 3D MHD simulations	NAKAMURA, Ko
14:30	[64] The neutrino process in core-collapse supernova with strong magnetic field	KO, Heamin
14:50	[54] Nonlinear evolution of fast collective neutrino oscillations in core-collapse supernovae	DELFAN AZARI, Milad