

Physics of Core-Collapse Supernova and Compact Star Formations

	19th		20th		21st
9:50–10:20	Registration				
10:20–10:30	Opening Remark				
	Session1 Nuclear EOS part1		Session4 SN Mechanism		Session7 Nuclear Weak Rates
10:30–11:20	Stefan Typel <i>Equations of state of compact star matter with clusters and phase transitions</i>	9:50–10:40	Kohsuke Sumiyoshi <i>Numerical studies of core-collapse supernovae: progress toward the first-principles calculations</i>	9:50–10:40	Atsushi Tamii <i>Constraining the Nuclear EOS by Nuclear Response Experiments</i>
		10:40–10:50	break	10:40–10:50	break
11:20–11:40	Hajime Togashi <i>Supernova equation of state with realistic nuclear interactions and hyperon mixing in hot dense matter</i>	10:50–11:40	Oliver Just <i>Modeling of Core-Collapse Supernovae: Challenges and Current Status</i>	10:50–11:40	Remco Zegers <i>Constraining weak interaction rates for astrophysics by using nuclear charge-exchange reactions</i>
11:40–12:00	Shun Furusawa <i>Self consistent calculation of nuclear composition in supernova matter</i>	11:40–12:00	Ko Nakamura <i>Neutron Star Kick Induced by Aspherical Core-collapse Supernova Explosions</i>	11:40–12:00	Yoshitaka Fujita <i>Overview of Gamow-Teller Transitions in Nuclei</i>
12:00–13:30	Lunch	12:00–13:30	Lunch	12:00–13:30	Lunch
	Session2 NS merger, GW & EOS		Session5 Nuclear EOS part2		Session8 SN Neutrino
13:30–14:20	Yuichiro Sekiguchi <i>GW170817 : Observations and Theoretical modelling</i>	13:30–14:20	Hong Shen <i>Equation of state for supernovae and neutron stars</i>	13:30–14:20	David Radice <i>Microphysics effects in core-collapse supernovae and neutron star mergers</i>
14:20–14:30	break	14:20–14:30	break	14:20–14:30	break
14:30–15:20	Luca Baiotti <i>Binary-compact-stars gravitational waves and equation of state</i>	14:30–15:20	Jinniu Hu <i>The properties of neutron star in the relativistic central variational method</i>	14:30–15:20	Volpe Maria Cristina <i>Neutrino Astrophysics</i>
15:20–15:40	Hajime Sotani <i>Constraint on the EOS of protoneutron stars with asteroseismology</i>	15:20–15:40	Wu Xuhao <i>Rho meson effect in hadron-quark phase transition</i>	15:20–15:40	Hirokazu Sasaki <i>Supernova neutrino oscillations in three-flavor multiangle simulations and their effects on nucleosynthesis</i>
15:40–16:25	Coffee break Poster session1	15:40–16:25	Coffee break Poster session2	15:40–15:50	Concluding Remark
	Session3 Nucleosynthesis		Session6 PNS		
16:25–17:15	Jonas Lippuner <i>r-Process nucleosynthesis in compact object mergers and GW170817</i>	16:25–17:15	Luke Roberts <i>Neutrinos and Nucleosynthesis from Newly Born Neutron Stars</i>		
17:15–17:35	Nobuya Nishimura <i>Nucleosynthesis of trans-iron elements in magneto-rotational core-collapse supernovae</i>	17:15–17:35	Ken'ichiro Nakazato <i>Neutrinos from Proto-neutron Star Cooling and Nuclear Equation of State: Effects of Coherent Elastic Scattering</i>		
17:35–17:55	Takashi Yoshida <i>Nucleosynthesis in Ultra-Stripped Supernovae</i>	17:35–17:55	Motoyuki Saijo <i>Corotation resonance of low T/W dynamical instabilities in differentially rotating stars</i>		
		18:30–20:30	Banquet		