



# Brainstorming workshop: Deciphering the equation of state using gravitational waves from astrophysical sources

## Tuesday 06 August 2024

### Talks: Nuclear physics input in simulations (10:30-12:35)

time	[id] title	presenter
10:30	[11] Stefan Typel "Equation of state of neutron star matter in an relativistic density functional approach"	
11:15	[12] Kamil Sokołowski "Infinite nuclear matter within the Hartree approximation for nucleons and pions"	
11:45	Coffee break	
12:05	[13] Udit Shukla "Speed of Sound in Dense Medium"	

### Talks: Nuclear physics input in simulations (14:30-17:00)

time	[id] title	presenter
14:30	[23] Michele Zanolin "Gravitational Waves from Neutrino-Driven Core Collapse Supernovae: Predictions, Detection, and Parameter Estimation"	
15:00	[19] Polychronis Koliogiannis Koutmiridis "Probing the Nuclear Equation of State in the Multi-messenger Astronomy Era: Insights from Gravitational Waves"	
15:30	[10] Pok Man Lo "Towards Dense(r) Equations of State: Insights from Heavy Ion Collisions and Lattice QCD"	
16:15	Coffee break	