

SN2025gw: First IGWN Symposium on Core Collapse Supernova Gravitational Wave Theory and Detection

Monday 21 July 2025

Detection: Contributed Presentations 1 - Room 0.06 (15:50 - 16:30)

time	[id] title	presenter
15:50	[7] Towards core-collapse supernovae asteroseismology including the standing accretion shock instability	TSENEKLIDOU, Dimitra
16:10	[6] Title: Classification of the nuclear equation of state using the reconstructed core-collapse supernova gravitational wave high-frequency feature in real interferometric data	CASALLAS LAGOS, Alejandro

Tuesday 22 July 2025

Detection: Lecture 1 - Room 0.06 (09:00 - 09:45)

-Conveners: Michele Zanolin

Detection: Lecture 2 - Room 0.06 (10:15 - 11:00)

-Conveners: Michele Zanolin

Detection: Contributed Presentations 2 - Room 0.06 (15:50 - 16:30)

time	[id] title	presenter
15:50	[12] The impact of calibration uncertainty on supernova searches and parameter estimation	WILS, Milan
16:10	[32] Parameter estimation from the core-bounce phase of rotating core collapse supernovae in real interferometer noise	MORENO, Claudia

Detection: Discussion - Room 0.06 (17:00 - 18:30)

Thursday 24 July 2025

Detection: Contributed Presentations 3 - Room 0.06 (15:50 - 16:50)

time	[id] title	presenter
15:50	[22] Omicron-X: a new pipeline to search for gravitational waves from core-collapse supernovae	PAQUIS, Adrien
16:10	[8] Dedicated-frequency analysis of gravitational-wave bursts from core-collapse supernovae with minimal assumptions	LEE, Yi Shuen Christine
16:30	[19] Distributional methods for detecting Gravitational Waves from Core-Collapse Supernova	SCHLUTERMAN, Kya

Friday 25 July 2025

Detection: Contributed Presentations 4 - Room 0.06 (14:00 - 15:20)

time	[id] title	presenter
14:00	[34] The impact of rotation and the nuclear equation of state on core-collapse supernova explosion dynamics	POWELL, Jade
14:20	[10] Constraining core-collapse supernova engine with Einstein Telescope	SINGH, Neha
14:40	[3] Simulations of core collapse supernova with QCD phase transition	KHOSRAVI LARGANI, Noshad
15:00	[23] PNS parameters estimation with neutrino emission from supernovae	BALLELLI, Matteo

Detection: Contributed Presentations 5 - Room 0.06 (15:50 - 16:50)

time	[id] title	presenter
15:50	[30] Robustness of Markov Chain – Monte Carlo in parameter estimation of gravitational waves emitted during Core-Bounce phase of Core Collapse Supernovae.	AVILA, Emmanuel
16:10	[31] Core-Collapse Supernova Waveform Generation Using Machine Learning	SAHA, Surojit
16:30	[14] Detectability of Standing Accretion Shock Instability: New results with cWB XP	SIERRA, Vicente