

**Probe into core-collapse
SuperNovae via
Gravitational-Wave and
neutrino signals
(SNeGWv2021)**

Report of Contributions

Contribution ID: 2

Type: **not specified**

TBA

Contribution ID: 3

Type: **not specified**

Core collapse supernovae: connecting theories, simulations, and observations

Wednesday, 1 December 2021 09:30 (35 minutes)

Presenter: Dr NAGAKURA, Hiroki

Session Classification: Supernova simulation (chair: Kohsuke Sumiyoshi)

Contribution ID: 4

Type: **not specified**

3D Simulations of Rapidly Rotating Core Collapse: Gravitational Waves and Neutrinos

Wednesday, 1 December 2021 10:05 (35 minutes)

Presenter: Dr SHIBAGAKI, Shota

Session Classification: Supernova simulation (chair: Kohsuke Sumiyoshi)

Contribution ID: 5

Type: **not specified**

Gravitational wave analysis for long-term 3D CCSN simulations

Wednesday, 1 December 2021 10:55 (35 minutes)

Presenter: Dr NAKAMURA, Ko

Session Classification: Gravitational waves (chair: Kei Kotake)

Contribution ID: 6

Type: **not specified**

Current status of KAGRA

Wednesday, 1 December 2021 11:30 (35 minutes)

Presenter: Dr SAWADA, Takahiro

Session Classification: Gravitational waves (chair: Kei Kotake)

Contribution ID: 7

Type: **not specified**

Influences of Nuclear EOS on Core-collapse Supernova Simulations by the Boltzmann-radiation-hydrodynamics

Wednesday, 1 December 2021 13:30 (35 minutes)

Presenter: Dr HARADA, Akira

Session Classification: Supernova and EOS (chair: Tomoya Takiwaki)

Contribution ID: 8

Type: **not specified**

Gravitational wave asterosesimology and universal relations

Wednesday, 1 December 2021 14:05 (35 minutes)

Presenter: Dr SOTANI, Hajime

Session Classification: Supernova and EOS (chair: Tomoya Takiwaki)

Contribution ID: 9

Type: **not specified**

Equation of State from Color-Molecular Dynamics

Wednesday, 1 December 2021 14:40 (35 minutes)

Presenter: Dr YASUTAKE, Nobutoshi

Session Classification: Supernova and EOS (chair: Tomoya Takiwaki)

Contribution ID: **10**

Type: **not specified**

Pre-Supernova Alert System for Super-Kamiokande with Gadolinium

Thursday, 2 December 2021 09:30 (35 minutes)

Presenter: Dr NASCIMENTO MACHADO, Lucas

Session Classification: Supernova neutrino observation (chair: Mark Vagins)

Contribution ID: 11

Type: **not specified**

New modules of Super-Kamokande for super nearby supernovae

Thursday, 2 December 2021 10:05 (35 minutes)

Presenter: Dr MORI, Masamitsu

Session Classification: Supernova neutrino observation (chair: Mark Vagins)

Contribution ID: 12

Type: **not specified**

Long term behavior of supernova neutrino light curves

Thursday, 2 December 2021 10:55 (35 minutes)

Presenter: Dr NAKAZATO, Ken'ichiro

Session Classification: Supernova neutrino prediction (chair: Yusuke Koshio)

Contribution ID: 13

Type: **not specified**

Observing Supernova Neutrino Light Curves with Super- Kamiokande

Thursday, 2 December 2021 11:30 (35 minutes)

Presenter: Prof. SUWA, Yudai

Session Classification: Supernova neutrino prediction (chair: Yusuke Koshio)

Contribution ID: 14

Type: **not specified**

Monte Carlo neutrino transport with collective oscillations & scatterinigs

Thursday, 2 December 2021 13:30 (35 minutes)

Presenter: Dr KATO, Chinami

Session Classification: Neutrino oscillation and beyond (chair: Akira Harada)

Contribution ID: 15

Type: **not specified**

Development of collective fast neutrino flavor conversion

Thursday, 2 December 2021 14:05 (35 minutes)

Presenter: Mr ZAIZEN, Masamichi

Session Classification: Neutrino oscillation and beyond (chair: Akira Harada)

Contribution ID: 16

Type: **not specified**

Axion-like Particles from Core-collapse Supernovae

Thursday, 2 December 2021 14:40 (35 minutes)

Presenter: Dr MORI, Kanji

Session Classification: Neutrino oscillation and beyond (chair: Akira Harada)