



Contribution ID: 46

Type: Oral

Nuclear equation-of-state and nuclei in core-collapse supernovae

Tuesday, 19 September 2023 14:30 (30 minutes)

Core-collapse supernovae are one of the most fascinating phenomena in astrophysics but the explosion mechanism is not clearly understood yet because of their intricacies. I will give an overview about the role of nuclear equation-of-state (EOS) and nuclei in supernovae. I will also discuss key nuclei and their key information to be investigated for further supernova study, and introduce recent progress of the research on EOS for astrophysical simulations.

Primary author: FURUSAWA, Shun (Kanto Gakuin University)

Presenter: FURUSAWA, Shun (Kanto Gakuin University)

Session Classification: Theory of supernovae and neutron stars

Track Classification: Theory of supernovae and neutron stars