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Nuclei in Core-Collapse Supernovae

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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 nuclei and nuclear physics uncertainties 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 Equations of state for astrophysical simulations.

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