

Supernova nucleosynthesis

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Supernova nucleosynthesis had been studied in 1-dimensional and multi-dimensional numerical simulations. I briefly summarize the supernova nucleosynthesis with results of the 1-dimensional simulations because essences of supernova nucleosynthesis are kept and easily understood. Products of supernova nucleosynthesis have clues to constrain origin of metal-poor stars and supernova explosion mechanisms. I introduce several elements which possess important information on them. Furthermore, I mention formation mechanisms of second-generation stars after supernova explosions of first stars.

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