

Dust processing in supernova and supernova remnants

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I will present current status of our understanding of formation and destruction of molecules and dust in supernova and supernova remnants. Historically, supernovae have been considered to be a dust destroyer of the interstellar medium. Recent observations and theory started revealing that supernovae can form molecules and dust. We summarise these recent progresses in the field, and we will discuss what would be needed for the next step.