

## Presolar grains found in primitive planetary materials

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Here I review aspect of presolar grains found in primitive planetary material, like meteorites and cosmic dust. Presolar grains which have been identified so far are SiC, graphite, diamond, Al<sub>2</sub>O<sub>3</sub>, Si<sub>3</sub>N<sub>4</sub>, spinel, hibonite, and crystalline or amorphous silicate. From their isotopic features, they are considered to originate mainly from asymptotic giant branch stars or supernovae. The presolar grains are only actual samples resulting directly from stellar nucleosynthesis, thus further studies on them should give valuable information for theoretical studies on stellar nucleosynthesis. Moreover, abundances, types and occurrences of presolar grains in primitive planetary materials should bring us important indications in physical and chemical conditions in the in the early solar nebula.