



Nucleosynthesis origin of PG 1159 stars, Sakurai's object and of rare subclasses of presolar grains

R. Gallino, O. Straniero, E. Zinner, M. Jadhav, L. Piersanti, S. Cristallo, S. Bisterzo

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We discuss theoretical AGB predictions for hydrogen-deficient PG 1159 stars and Sakurai's object, which show peculiar enhancements in He, C and O, and how these enhancements may be understood in the framework of a very late thermal pulse nucleosynthetic event. We then discuss the nucleosynthesis origin of rare subclasses of presolar grains extracted from carbonaceous meteorites, the SiC AB grains showing low $^{12}\text{C}/^{13}\text{C}$ in the range 2 to 10 and the very few high-density graphite grains with $^{12}\text{C}/^{13}\text{C}$ around 10.

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