

Tuesday, July 24, 2018
POSTER SESSION I: PRESOLAR GRAINS AND ISOTOPE ANOMALIES
5:30 p.m. Foyer

Liu N. Oglione R. C.

[C2 Fossil Micrometeorites in Kapoeta: A Perspective from Presolar Grain Abundances](#) [#6151]

We, for the first time, report finding of presolar grains in the carbonaceous chondrite clasts of achondritic Kapoeta meteorite, based on which the genetic affinities of the clasts to the fine-grained matrix in primitive chondrites are discussed.

Fisenko A. V. Semjonova L. F.

[Alternative Composition of Noble-Gas Components in the Nanodiamonds](#) [#6015]

It is shown that P3, (H+L), and P6 components should be in an individual populations of diamond grains, the ratio which changes due to thermal metamorphism of the meteorites.

Aghajamali A. Marks N. A.

[Xenon Release upon Thermal Annealing of Nanodiamonds: A Molecular Dynamics Study](#) [#6196]

We performed molecular dynamics simulation of xenon implantation and thermal release processes. Our simulation reveals that the xenon release is bimodal.