

Thursday, July 26, 2018
POSTER SESSION II: ACHONDRITES
5:30 p.m. Foyer

Nicolau-Kuklińska A. Łosiak A. I.

[If Troilite is the Source of Bubbles Formed in the Fusion Crust? \[#6324\]](#)

Eucrites have relatively uniform chemical and petrologic composition, but their fusion crust is characterised by a variable amount of vesicles. We investigate this issue.

Lorenz C. A.

[An Origin of the Pyroxene-Rimmed Silica Objects in the Howardites and Polymict Eucrites \[#6069\]](#)

The grains of silica rimmed by pyroxene are typical accessory components of the HED breccias. Possibly they formed due to reaction of silica fragments with olivine-saturated melts of impact or magmatic origin.

Martikainen J. Penttilä A. Gritsevich M. Videen G. Muinonen K.

[The Modeled Reflectance Spectrum of Asteroid \(4\) Vesta \[#6314\]](#)

We model the reflectance spectrum of asteroid (4) Vesta using physics-based light scattering codes, and obtain the size distribution for the regolith particles on Vesta's surface.

Irving A. J. Kuehner S. M. Ziegler K. Falls R. J.

[Anomalous Highly Ferroan Eucrite Northwest Africa 11729: Evidence for Wider Compositional Variation Within One of the Several Known Eucrite Parent Bodies or Yet Another Distinct Eucrite Parent Body \[#6294\]](#)

A specimen containing the most ferroan pyroxenes known among eucrites may derive from yet another distinct eucrite parent body or else may extend the compositional range within one of the already proposed bodies.

Irving A. J. Kuehner S. M. Carpenter P. K. Ziegler K. Sipiera P. P.

[Lodranites and Lodranites: Recent Finds Demonstrate Wide Mineralogical and Textural Diversity Within the Acapulcoite-Lodranite Parent Body \[#6287\]](#)

As more specimens are recovered (especially in Northwest Africa), it has become apparent that the mineralogy and textures of lodranites are as diverse as in terrestrial ultramafic rocks.

Moggi Cecchi V. Pratesi G. Caporali S. Franchi I. A. Greenwood R. C.

[Northwest Africa 11483 and 11486: Two New Achondrites from Sahara \[#6333\]](#)

Textural and mineralogical results characteristics of NWA 11483 and NWA 11486, two new achondrites from Northwest Africa, are presented.