Meier M. M.  Cloquet C.  Marty B.

*Making Sense of Mercury Isotopic and Abundance Variations in Meteorites [*#5021*]*

We report variations in abundance and isotopic composition of Hg in meteorites and discuss a model of parent body Hg evaporation and re-condensation to explain these variations.

Buikin A. I.  Hopp J.  Lorenz C. A.  Trieloff M.

*Noble Gas Isotope Composition and Elemental Ratios in Pesyanoe Aubrite: Stepwise Crushing Data [*#5110*]*

The first stepwise crushing light noble gas data on two pyroxenite lithologies of Pesyanoe aubrite suggest that both lithologies experienced different magmatic and post-magmatic (including impact and irradiation) histories on their parent body.

Amari S.  Meshik A.

*Noble Gas Analysis of Q-Rich Fractions from Saratov (L4) [*#5213*]*

We carried out colloidal and density separations to a Saratov (L4) residue, and measured noble gases in the separated fractions. Q is most enriched in the fraction AO (2.11–2.16 g/cm³), suggesting that Saratov Q is different from Allende Q.

Kuhlman K. R.  Poplawsky J. D.  Hiroi T.  Baba K.

*Atom Probe Tomography and Visible/Near-Infrared Spectral Analysis of Simulated Solar Wind Hydrogen Implanted Olivine [*#5034*]*

We present the results of the first atom probe tomography (APT) and visible/near-infrared (VNIR) spectral study of a sample of San Carlos olivine (Fo90.1) exposed to simulated space weathering due to hydrogen at solar wind energy (~1keV/amu).