Thursday, March 24, 2016
POSTER SESSION II: PRESOLAR GRAINS
6:00 p.m. Town Center Exhibit Area

Leitner J. Hoppe P. Zipfel J. POSTER LOCATION #157
The Presolar Grain Inventory of the CR Chondrite Elephant Moraine 92161 [#1873]
Presolar silicates are three times more abundant in FGRs than in the matrix; SiC shows no variation. S and Fe are enhanced in the rims, indicating less alteration.

Meyer B. S. Clayton D. D. POSTER LOCATION #158
Growth of Large Carbonaceous Grains in Oxygen-Rich Supernova Matter [#2336]
We compute the size spectrum of carbonaceous dust grains in oxygen-rich supernova ejecta. Break up of CO by radioactivity allows growth of micron-sized dust.

Liu N. Steele A. Nittler L. R. Alexander C. M. O’D. Wang J. POSTER LOCATION #159
Coordinated Micro-Raman and NanoSIMS Analysis of Micron- to Submicron-Sized Presolar SiC Grains from Murchison [#2107]
We demonstrate high spectral resolution and long-term stability of the Raman microscope used and report Raman data for 35 classified presolar SiC grains.

Pravdivtseva O. Shatoff E. A. Meshik A. Stroud R. M. POSTER LOCATION #160
Separation of Allende Nanodiamonds by Electrophoresis [#2996]
Distribution of Xe-HL, recovered from 12 sections of the electrophoresis column, suggests at least three subpopulations of grains in Allende nanodiamond separate.

Lewis J. B. Isheim D. Floss C. Daulton T. L. Seidman D. N. POSTER LOCATION #161
Analysis of Allende Nanodiamond Residue by Correlated Transmission Electron Microscopy and Atom-Probe Tomography [#2248]
Correlated TEM/APT of Allende nanodiamonds demonstrates the technique is effective for studying multi-component meteoritic acid residues.