Thursday, March 20, 2014
POSTER SESSION: CHONDritic CARBON, ORGANICS, AND Q
6:00 p.m. Town Center Exhibit Area

Peeters Z. Liebig B. Liu M. C. POSTER LOCATION #281
Surface Mapping of Carbonaceous Chondrite Murchison in Search of Organic Carbon Inclusions [#1749]
NanoSIMS mapping of Murchison meteorite in search of large organic carbon inclusions. First results from new cosmochemistry lab at Academia Sinica in Taiwan.

Verchovskiy A. B. Fisenko A. V. Semenova L. F. POSTER LOCATION #282
Rdiogenic, Cosmogenic and Q Noble Gases, and Carbon and Nitrogen in Fractions of Saratow (L4) Meteorite Obtained by Physical Separation Methods [#2500]
We have separated the bulk Saratov meteorite into a number of fractions using physical separation methods and analyzed C, N, and noble gases in the fractions.

Verchovskiy A. B. Hunt S. A. Montgomery W. Sephton M. A. POSTER LOCATION #283
Reaction of Q to Thermal Metamorphism in the Parent Bodies: High-Pressure Experiments [#2541]
We have performed three high-pressure experiments with HF/HCl residue from Orgueil in order to see how the planetary noble gas carrier, Q, reacts on that.

Orthous-Daunay F. R. Thissen R. Vuitton V. Flandinet L. Moynier F. et al. POSTER LOCATION #284
Molecular Complexity of Interstellar Origin in Large Polymeric Compounds from Murchison [#2575]
We present an Orbitrap FT-MS study that relates the molecular complexity of the soluble organic matter in Murchison with interstellar chemical processes.

Ivanova M. A. Lorenz C. A. Korochantsev A. V. Zaitsev M. A. Gerasimov M. V. POSTER LOCATION #285
A Large Dark Inclusion in the Efremovka Meteorite [#1014]
We have studied the petrography, mineralogy, chemistry and organic compounds of one dark inclusion from the Efremovka CV3 chondrite from the reduced subgroup.

Changela H. G. Le Guillou C. Brearley A. J. POSTER LOCATION #286
Organic Material in the Matrices of Unequilibrated Ordinary Chondrites: A Coordinated STXM-TEM Study [#2608]
We performed a coordinated STXM-TEM study of organic material (OM) in unequilibrated ordinary chondrites and compare them with OM in carbonaceous chondrites.

Changela H. G. Le Guillou C. Brearley A. J. POSTER LOCATION #287
The Evolution of Organic Material in the Matrices of the CR Chondrites [#2393]
In a comprehensive STXM-TEM study of organic material (OM) in the CR chondrites, we show OM to have evolved an aromatic-poor carboxylic/aliphatic-rich fraction.

Gasda P. J. Hellebrand E. Taylor G. J. POSTER LOCATION #288
Combined Raman and EPMA X-Ray Mapping of Carbon Phases in CR Chondrites [#1558]
Raman spectroscopic maps of matrix areas of CRs are compared with new EPMA X-ray maps and quantitative analysis of carbon phases of the same matrix areas.