

Thursday, March 24, 2016
POSTER SESSION II: CHONDRITES: WHOLE ROCK
 6:00 p.m. Town Center Exhibit Area

[R607]

Schrader D. L. Davidson J. **POSTER LOCATION #123**
[Pristine Pre-Accretionary Signatures in CM Chondrite Silicates: A Common Parent-Body with the CO Chondrites?](#) [#1288]

We studied CM chondrite chondrules to evaluate if they retain pre-accretionary formation signatures, and if there is a cogenetic link with CO chondrites.

Manzari P. De Angelis S. De Sanctis M. C. Ammannito E. Di Iorio T. **POSTER LOCATION #124**
[Hyperspectral Spectroscopy of Carbonaceous Chondrite Mighei in the Visible-Infrared Range](#) [#1508]

We show preliminary interpretations of spectral data collected on Mighei chondrite by means of the SPIM facility, spare of the spectrometer on Dawn spacecraft.

Manzari P. De Angelis S. De Sanctis M. C. **POSTER LOCATION #125**
[Hyperspectral Micro-Imaging in the Visible-Infrared Range of Enstatite Chondrite: Preliminary Investigation on Thin Section of Sahara 97072](#) [#1107]

This abstract describe preliminary interpretation of microimaging hyperspectral data collected on a thin section of the enstatite chondrite EH3 Sahara 97072.

Friend P. Hezel D. C. Barrat J.-A. Zipfel J. Palme H. **POSTER LOCATION #126**
[The Chemical Composition of Matrix, Chondrules and Bulk Meteorite of the CM Chondrite Jbilet Winselwan](#) [#1893]

We measured chondrules, matrix, and bulk from the CM2 chondrite Jbilet Winselwan and revealed clear chemical complementarities for Fe/Mg, Si/Mg, and Al/Ti.

Shirai N. Vu C. D. Sekimoto S. Ebihara M. Nishiizumi K. **POSTER LOCATION #127**
[Chemical Variations of Miller Range 07710 \(L4\) and Miller Range 091010 \(CV3\) Collected in the Ice at Miller Range, Antarctica](#) [#1850]

We examine how terrestrial weathering and sampling problem affect chemical classification by using MIL 07710 and 091010 collected in the ice at Miller Range.

Vu C. D. Shirai N. Ebihara M. **POSTER LOCATION #128**
[Chemical Composition Study of Antarctic CI and CM Chondrites in Light of Precise and Accurate Abundances of Rare Earth Elements, Th and U](#) [#1916]

Bulk chemical compositions of Y-980115, B-7904, Y-86720, and Y-793321 were determined by using ICP-AES and ICP-MS in order to unravel their formation histories.

Koch T. E. Brenker F. E. Krot A. N. Bizzarro M. **POSTER LOCATION #129**
[Petrography of Quebrada Chimborazo 001 — A New CBa Chondrite](#) [#1968]

We will present petrographic data on a new CB chondrite Quebrada Chimborazo 001 including details of its shock pressure history.

Hamilton V. E. Abreu N. M. Bland P. A. Connolly H. C. Jr. Lauretta D. S. et al. **POSTER LOCATION #130**
[New Insights into Carbonaceous Chondrite Mineralogies Obtained from Microscopic Mineral Mapping](#) [#1793]

We map variations in the spatial distribution of OH- in individual meteorites and discover two populations of olivine in a metamorphosed CR2.

Ostrowski D. R. Bryson K. L. **POSTER LOCATION #131**
[Physical Properties of Ordinary Chondrites](#) [#2642]

Study of the physical properties of ordinary chondrites. This includes density, porosity, acoustic velocity, emissivity, and thermal conductivity.

Macke R. J. Opeil C. P. Consolmagno G. J. Britt D. T.

POSTER LOCATION #132

[Ordinary Chondrite Heat Capacities Below 350K](#) [#1221]

We measured and modeled low-temperature Cp of OCs from the Vatican collection to inform models of asteroid thermal diffusivity and thermal inertia.

McCausland P. J. A. Flemming R. L. Mazur M. J.

POSTER LOCATION #133

Umoh J. Holdsworth D. W. et al.

[Famenin, Iran Ordinary Chondrite 2015 Fall: Non-Destructive Analysis](#) [#3064]

Non-destructive analysis of fresh Famenin meteorite by micro CT and in situ XRD. Cool mineral textures and 3D features as well as bulk physical properties!

O'Brien T. M. Tarduno J. A.

POSTER LOCATION #134

[Allende Meteorite Remanence: Evidence for Magnetic Interactions](#) [#2913]

The Allende meteorite records magnetic interactions rather than a core dynamo.