

Friday, July 30, 2010

## DECIPHERING SECONDARY PROCESSES ON PRIMITIVE ASTEROIDS

1:30 p.m. Skyline

**Chairs:** Michael Zolensky  
Alan Rubin

- 1:30 p.m. Palmer E. E. \* Laurretta D. S.  
[Oxygen to Cation Ratios as a Descriptor of Serpentinization in CM Chondrite Matrix](#) [#5317]
- 1:45 p.m. Zolensky M. \* Mikouchi T. Satake W. Le L.  
[The Valence State of Iron in CM2 Chondrite Serpentine](#) [#5160]
- 2:00 p.m. Beck P. \* Orthous-Daunay F.-R. De Andrade V. Quirico E. Schmitt B.  
[Fe-XANES Study of CI and CM Chondrites Matrix Mineralogy](#) [#5079]
- 2:15 p.m. Howard K. T. \* Benedix G. K. Bland P. A. Cressey G.  
[Aqueous Alteration, 'Serpentinization' and the CM-C2ung-CI Connection by PSD-XRD](#) [#5186]
- 2:30 p.m. Zanda B. \* Bourot-Denise M. Hewins R. H. Barrat J. A. Gattacceca J.  
[The Paris CM Chondrite Yields New Insights on the Onset of Parent Body Alteration](#) [#5312]
- 2:45 p.m. Lindgren P. \* Lee M. R. Sofe M. Burchell M.  
[Microstructures of a Calcite Vein in LON 94101: Evidence for Asteroidal Fluid Flow?](#) [#5240]
- 3:00 p.m. Tyra M. A. \* Brearley A. J. Guan Y.  
[SIMS In-Situ Carbon and Oxygen Isotopic Composition of Dolomite and Calcite in CM1/2 ALH 84049](#) [#5434]
- 3:15 p.m. Jones R. H. \* Brearley A. J.  
[Fluids on the LL Chondrite Parent Body: Evidence from the Bo Xian Chondrite](#) [#5276]
- 3:30 p.m. Briani G. \* Quirico E. Gounelle M. Paulhiac-Pison M. Montagnac G. Bonal L. Beck P.  
[Thermal Metamorphism Effects in CR Chondrites](#) [#5234]
- 3:45 p.m. Roszjar J. \* Geisler T. Bischoff A.  
[Constraints on the Thermal Evolution of Meteorites Applying Raman Spectroscopic and Electron Microprobe Analyses on Zircon Grains](#) [#5100]
- 4:00 p.m. Rubin A. E. \*  
[Annealing and Chondrule Flattening by Frictional Shear Heating in Oblique Impacts](#) [#5023]
- 4:15 p.m. Sharp T. G. \* Trickey R. Xie Z. DeCarli P. S.  
[\(Mg,Fe\)SiO<sub>3</sub>-Perovskite and Other High-Pressure Minerals in Acfer 040: Evidence of Very High Pressures](#) [#5443]
- 4:30 p.m. De Carli P. S. \* Xie Z. Sharp T. G.  
[All Shocked Meteorites were Shocked at Significant Depth in Their Parent Bodies](#) [#5427]
- 4:45 p.m. Miyahara M. \* Ohtani E. Kimura M. Ozawa S. Nagase T. Nishijima M. Hiraga K.  
[Melting and Subsequent Decompression Processes Recorded in a Shock Vein of an L6 Chondrite](#) [#5082]