

**Monday, August 2, 2004**  
**CARBONACEOUS CHONDRITES**  
**13:30 Rio de Janeiro II**

**Chairs: M. Zolensky**  
**D. Ebel**

- 13:30 Alexandre M. R. \* Huang Y. Wang Y. Fuller M. Pizzarello S.  
*Monocarboxylic Acids Analyse in Murchison Meteorite Using Solid Phase Microextraction (SPME) [#5082]*
- 13:45 Martins Z. \* Botta O. Sephton M. A. Ehrenfreund P.  
*Purines and Pyrimidines in Carbonaceous Chondrites: A Re-Analysis [#5145]*
- 14:00 Cody G. D. \* Alexander C. M. O'D Fogel M. L.  
*Thermal Metamorphism of Insoluble Organic Matter in Carbonaceous Chondrites [#5162]*
- 14:15 Coker R. F. \* Cohen B. A.  
*Modeling the Minimum Size of CM Parent Bodies [#5094]*
- 14:30 Christen F. \* Busemann H.  
*Solar Noble Gases in Vigarano Bulk Minerals — First Results of the New "BENGEL" In-Vacuo Etching Facility [#5188]*
- 14:45 Yabuta H. \* Naraoka H. Sakanishi K. Kawashima H.  
*Evaluation of the Meteoritic Alteration Level Using the Solid-State CP/MAS <sup>13</sup>C NMR Analyses of Macromolecular Material in the Antarctic Carbonaceous Chondrites [#5040]*
- 15:00 Nuth J. A. III\* Ferguson F. T. Johnson N. M.  
*Thermogravimetric Measurement of the Vapor Pressure of Silicon Monoxide from 1300K to 1773K Using an Alumina Effusion Cell [#5177]*
- 15:15 Ebel D. S. \* Schoenbeck T. W. Palme H.  
*3D Tomographic Measurements on Allende Volumes — Constraints on the Formation and Accretion of Chondrules and Matrix [#5153]*
- 15:30 Watt L. E. \* Bland P. A. Russell S. S. Prior D. J.  
*Fabric Analysis of Allende Matrix Using EBSD [#5037]*
- 15:45 Cosarinsky M. \* Leshin L. A.  
*Chemical and Oxygen Isotopic Variability of Accretionary Rim and Matrix Olivine in Allende: Diffusion-controlled Process [#5195]*
- 16:00 Chizmadia L. J. \* Brearley A. J.  
*Formation of Fe-enrichment Boundary Zones Between Chondrules and Their Fine-grained Rims in the CM2 Chondrite, Y-791198 [#5216]*
- 16:15 Yamamoto Y. \* Okazaki R. Nakamura T.  
*Significant Depletion of Argon-rich Noble Gases in the Ningqiang Carbonaceous Chondrite During Experimental Aqueous Alteration [#5069]*
- 16:30 Zolensky M. \* Bodnar R. Tsuchiyama A. Okudaira K. Noguchi T. Uesugi K. Nakano T.  
*Fluid Inclusions in Chondrites [#5103]*