Monday, August 23, 1999
MANTLE MELTING: SOURCES, TIMESCALES, MELT MIGRATION, AND MELT-SOLID INTERACTION. PART I: MID-OCEAN RIDGES
1:30 p.m. Lecture Hall C

Chairs: K. W. W. Sims
        C. C. Lundstrom

Kelemen P. B.* (30 minutes) Hirth G. Spiegelman M.
Updated Review of Melt Extraction Processes in the Upper Mantle Beneath Oceanic Spreading Ridges and Intra-Plate Volcanic Centers [#7598]

Goldstein S. J.* Sims K. W. W. Cooper K. M. Murrell M. T. Nunn A. J.
Evidence for Radium-Barium Fractionation in MORB Plagioclase: Implications for Geochronology and Mantle Melting [#7523]

Lundstrom C. C.*
How Alkali Basalts Ascending in Melt Conduits Can Affect Melting in Adjacent Peridotite [#7616]

Shimizu N.* Sobolev A. V. Layne G. D. Tsamerian O. P.
Large Lead-Isotopic Variations in Olivine-Hosted Melt Inclusions in a Basalt from the Mid-Atlantic Ridge [#7657]

Graham D. W.* Spera F. J. Lupton J. E. Christie D. M.
From a Hot Spot to a Cold Spot: Spatial Correlogram Analysis of Helium-Isotopic Variations Along the Southeast Indian Ridge [#7036]

3:00 p.m. BREAK

Shaw A. M.* Hilton D. R. Macpherson C. G. Sinton J. M.
The Carbon Dioxide/Helium-3 Systematics of Plume-, MORB-, and Arc-type Lavas from the Manus Back-Arc Basin [#7443]

Burnard P. G.*
Bubble-by-Bubble Degassing of MORB Magmas [#7082]

Eiler J. M.* Schiano P. Kitchen N. Stolper E. M.
Oxygen-Isotopic Evidence on the Origin of Chemical Variation in the Sources of N-MORB [#7486]

Trieloff M.* Falter M. Jessberger E. K.
Argon in MORB and Loihi Glasses and Implications for the Evolution of the Earth’s Mantle [#7016]

Moreira M. M* Sarda P.
Noble-Gas Constraints on Degassing Processes [#7634]