

Thursday, November 15, 2007
WATER IN THE MANTLE: EFFECTS ON MANTLE MELTING
9:00 a.m. Berkners

Chairs: M. M. Hirschmann
E. Medard

- 9:00 a.m. Dalton H. A. Holloway J. R. Sharp T. G. Hervig R. L.
Investigation of the Effects of H₂O on Melting of a Primitive Martian Mantle Composition [#2012]
- 9:30 a.m. Filiberto J. * Treiman A. H. Kiefer W. S. Li Q.
The Effect of Water on Liquidus Temperatures [#2010]
- 10:00 a.m. Médard E. * Grove T. L.
Water in Basaltic Melts: Effect on Liquidus Temperatures, Olivine-Melt Thermometry and Mantle Melting [#2015]
- 10:30 a.m. BREAK
- 11:00 a.m. Kiefer W. S. * Li Q. Filiberto J. [INVITED]
Parameterizations of Magma Production in a Water-Undersaturated Martian Mantle: A Plea for Improved Experimental Petrology Constraints [#2016]
- 11:30 a.m. Hirschmann M. M. * Aubaud C. Withers T.
Hydrous Partial Melting of the Upper Mantle as Judged from Mineral/Melt Partition Coefficients [#2002]
- 12:00 p.m. LUNCH
- 1:00 p.m. Grove T. L. * Médard E. Till C. B. [INVITED]
The Role of H₂O on Mantle Melting in the Terrestrial Planets [#2007]
- 1:30 p.m. Li Q. * Kiefer W. S.
The Effects of Water on Mantle Convection and Magma Production on Mars [#2011]
- 2:00 p.m. Elkins-Tanton L. T. *
Producing Volatile-rich Magmas Without Plate Tectonics: Upside-Down Melting [#2005]
- 2:30 p.m. DISCUSSION