

Wednesday, November 9, 2011
OXYGEN ISOTOPES AND REDOX CONDITIONS
 8:30 a.m. Poipu Ballroom

Chair and Discussion Leader: Trevor Ireland

- 8:30 a.m. McKeegan K. D. * [INVITED] (15 Minutes)
[*The Oxygen Isotopic Composition of the Sun: Implications for Nebula Chemistry*](#) [#9104]
- 8:50 a.m. Ozima M. * Yamada A. Podosek F. A. (10 minutes)
[*The Isotopic Composition of the Primordial Noble Gas in the Early Solar System and its Implications on Solar Oxygen Isotopic Composition*](#) [#9004]
- 9:05 a.m. Young E. D. * Gounelle M. [INVITED] (15 Minutes)
[*The Stable Isotope Case for Supernova Enrichment of the Solar System Birth Environment by Sequential Star Formation*](#) [#9090]
- 9:25 a.m. Nittler L. R. * Gaidos E. [INVITED] (10 Minutes)
[*Galactic Chemical Evolution and the Oxygen-Isotope Composition of the Solar System*](#) [#9122]
- 9:40 a.m. Thiemens M. H. * [INVITED] (15 Minutes)
[*Oxygen Isotope Formation by CO-Self Shielding and UV Photodissociation of CO: Theoretical Calculations, Experiments, and Observations*](#) [#9022]
- 10:00 a.m. Shi X. * Yin Q.-Z. Ng C.-Y. (10 minutes)
[*Further Testing of "Self-Shielding" Model for the Oxygen Isotope Evolution in the Early Solar Nebula — Isotope Composition of Atomic Oxygen from CO Pre-Dissociation*](#) [#9023]
- 10:15 a.m. COFFEE BREAK
- 10:35 a.m. Yurimoto H. * Nagashima K. [INVITED] (15 Minutes)
[*Evolution of Oxygen Isotope Reservoirs in the Early Solar System*](#) [#9134]
- 10:55 a.m. Ushikubo T. * Tenner T. J. Hiyagon H. Kita N. T. (10 minutes)
[*Lifetime of ¹⁶O-Rich Oxygen Isotope Reservoir in the Solar Nebula*](#) [#9086]
- 11:10 a.m. Park C. * Wakaki S. Sakamoto N. Kobayashi S. Yurimoto H. (10 minutes)
[*Oxygen Isotopic Variations of Melilite Crystals in a Type A CAI from Allende*](#) [#9032]
- 11:25 a.m. Simon J. I. * Matzel J. E. P. Simon S. B. Weber P. K. Grossman L. Ross D. K. Hutcheon I. D. (10 minutes)
[*A Spectrum of Oxygen Isotopic Zoning Profiles in CAIs Records Varying Exposure to Distinct Protoplanetary Disk Environments*](#) [#9047]
- 11:40 a.m. Ireland T. R. * (15 Minutes)
[*Oxygen Isotope Tracing of the Early Solar System*](#) [#9026]
- 12:00 a.m. Libourel G. * Villeneuve J. Chaussidon M. (10 minutes)
[*Type I–Type II Chondrule Connections: New Experimental Constraints on Chondrule Formation*](#) [#9115]
- 12:15 p.m. Petaev M. I. * Lehner S. W. Buseck P. R. (10 minutes)
[*Processing of Silicates in S-Rich Systems: Implications for the Origin of Enstatite Chondrites*](#) [#9095]
- 12:30 p.m. LUNCH in the Garden Pavilion