

Wednesday, November 7, 2007
POSTER SESSION IV:
COMETS AND LOW-DENSITY SATELLITE ATMOSPHERES
4:00 p.m.

- 4.01 Killen R. M. Sarantos M. Sharma A. S.
Influence of the Solar Wind on Source Rates for the Lunar Exosphere [#9045]
- 4.02 Larignon B. D. Pierazzo E. Goldstein D. B. Varghese P. L. Trafton L. M.
Direct Numerical Simulation of Comet Impacts and Low-Density Atmospheric Flow on the Moon [#9064]
- 4.03 Benna M. Kasprzak W. T.
Three Dimensional Modeling of the Atmosphere of Enceladus and Its Interaction with the Magnetosphere of Saturn [#9009]
- 4.04 Gratiy S. L. Walker A. C. Levin D. A. Goldstein D. B. Varghese P. L. Trafton L. M. Larignon B. D.
Modeling of SO₂ IR Radiation in 19 μm from the Sublimation Atmosphere of Io [#9013]
- 4.05 Bagenal F. Delamere P. Dols V.
Io's Atomic and Molecular Atmosphere: Auroral Emissions and the Electrodynamic Interaction [#9060]
- 4.06 Halpern J. B. Carliss D. Knight C. Burris J. F.
Low Temperature Absorption of Sulfur Dioxide Between 280 and 330 Nm [#9041]
- 4.07 Cassidy T. A. Johnson R. E.
Trace Components of Europa's Atmosphere [#9054]
- 4.08 Moore M. H. Ferrante R. F. Hudson R. L.
Laboratory Studies of Ammonia-Water Ice — Relevance to Outer Solar System Surfaces [#9020]
- 4.09 Patrick K. H. Halpern J. B. N'Doumi M.
Radiative Lifetimes of NH₂ in the Visible [#9047]
- 4.10 Mawhorter R. J. Chutjian A. Cravens T. E. Djuric N. Hossain S. Lisse C. M. MacAskill J. A. Smith S. J. Simcic J. Williams I. D.
Absolute Single and Multiple Charge Exchange Cross Sections for Highly-Charged C, O, and Ne Ions on H₂O, CO, and CO₂ [#9055]
- 4.11 Guberman S. L.
Dissociative Recombination of N₂⁺, CO⁺ and OH⁺ [#9010]
- 4.12 Rodgers S. D. Charnley S. B.
Ion Chemistry in the Inner Comae of Comets [#9032]
- 4.13 Boice D. C.
Modeling Gas-Phase Chemistry in Cometary Atmospheres [#9048]
- 4.14 DiSanti M. A. Reuter D. C. Bonev B. P. Mumma M. J. Villanueva G. L.
Modeling Formaldehyde Emission in Comets [#9029]
- 4.15 Dello Russo N. Vervack R. J. Jr. Weaver H. A.
Interpreting High-Resolution Infrared Spectra of Comets [#9035]

- 4.16 Schleicher D. G. Farnham T. L. Bair A. N.
*The Chemical and Physical Properties of Comets: Uniform Analyses of
Narrowband Photometry* [#9065]
- 4.17 Samarasinha N. H.
Morphological Studies of Cometary Comae and Coma-Nucleus Connections [#9062]
- 4.18 Farnham T. L.
Radial Surface Brightness Profiles as Diagnostic Tools in Cometary Dust Comae [#9078]
- 4.19 Kolokolova L. Sparks W. B.
*Circular Polarization of Scattered Light as a New Tool to Study Physical Characteristics of
Cometary Dust and Planetary Aerosols* [#9049]