Tuesday, June 16, 2015

RADIATION AND HABITABILITY: FRIENDS OR FOES? I

4:00 p.m.  Salon A1

Chairs: Reggie Hudson
        Adrian Melott

4:00 p.m.  Hudson R. L. *  Gerakines P. A.
Comparing Radiation Chemical Results — A Multi-Dimensional Problem [#7239]

4:15 p.m.  Henderson B. L. *  Gudipati M. S.
Low-Temperature Mass Spectrometry of Amino Acids Exposed to Electron and
Ultraviolet Radiation [#7664]

4:30 p.m.  Kobayashi K. *  Tokimura H.  Matsuda T.  Enomoto S.  Kebukawa Y.  Kaneko T.
Fukuda H.  Oguri Y.  Yoshida S.
Possible Formation of Amino Acid Precursors and Nucleic Acid Bases in
Interstellar Environments [#7099]

4:45 p.m.  Pavlov A. A. *  Glavin D.  Dworkin J.  McLain H.  Eigenbrode J.
Rapid Degradation of the Amino Acids in Martian Subsurface Rocks and Regolith due to Exposure to
Cosmic Rays [#7535]

5:00 p.m.  Leuko S. *  Rettberg P.
The Effects of Simulated Extraterrestrial and Ionizing Radiation on Halophilic Archaea [#7160]

5:15 p.m.  Gerakines P. A. *  Hudson R. L.
The Radiation Stability of Glycine in H₂O-ice and CO₂-Ice—In-situ Laboratory Measurements with
Applications to Mars [#7211]

5:30 p.m.  Smith K. E. *  Gerakines P. A.  Callahan M. P.
Stability and Radiation Chemistry of Low Temperature Pyridine Ices [#7378]

5:45 p.m.  Elsaesser A. *  Perfumo A.  Mattioda A. L.  Ricco A. J.  Danelon C.  Wagner D.  Salama F.
Canganella F.  Löhmannsröben H.-G.  Linnartz H.  Ehrenfreund P.  Quinn R. C.  Parro V.
Nicholson W. L.  Martins Z.
EXOcube – Exposure of Organisms/Organics cube: A New Cubesat Based Life Sciences Exposure
Platform for the International Space Station with In-Situ Analytical Capabilities [#7479]