1067-O1-713   **Candice Rockell Gerstner*** (`crockell@odu.edu`), Department of Mathematics and Statistics, Old Dominion University, Norfolk, VA 23529, and **John Tweed**, Old Dominion University.
Updates on a New Green's Function Code for Radiation Transport.

In the future, astronauts will be sent into space for longer durations of time compared to previous missions. Due to their increased risk of exposure to high charge and energy (HZE) ions from deep space, there has been an increased need for an efficient HZE transport code to accurately model this radiation. Consequently, a new code is currently under development. It is a three dimensional deterministic code based on the Green's function technique. This presentation will discuss the progress made toward the development of this code. (Received September 13, 2010)