

**UNIVERSITY OF SOUTH FLORIDA
DEPARTMENT OF PHYSICS**

Fall 2005 Research Colloquium

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in

CHE 101A at 4:00 PM

**Radiation Risks for Astronauts beyond ISS:
NASA Space Radiation Program**

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ABSTRACT

The talk will focus in the potential human health risks associated with exposures to cosmic rays during long-term deep space missions to the Moon, Mars and asteroids. The current plans for human exploration will be described as well as the importance of determine radiation risks and mitigation techniques (shielding and medical countermeasures). NASA and NSBRI radiation research will be described as well as training opportunities.