

Abstract Submitted
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Cosmic Ray Induced Neutron Irradiation ANDREW OVERHOLT,
University of Kansas — After cancer studies performed on flight crews during the 1970s, it was found that cosmic rays produce a significant flux of thermal neutrons at airplane altitudes. In the case of high energy cosmic rays these biologically threatening neutrons are increased at ground level. Our work models the flux of neutrons produced by high energy cosmic rays, exploring the possibility of biological impact due to extended periods of increase high energy cosmic ray flux.

Andrew Overholt
University of Kansas

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