Space Radiation Presentations

Overview
• Mars Mission and Space Radiation Risks  Steve Davison, NASA-HQ, 30 min
• Health Standards Decision Framework  David Liskowsky, NASA-HQ, 10 min

Space Radiation Environment
• Introduction  Chris St. Cyr, NASA-GSFC, 5 min
• Solar Energetic Particles  Allan Tylka, NASA-GSFC, 30 min
• Comparison and Validation of GCR Models  Tony Slaba, NASA-LaRC, 30 min
• GCR Radiation Environment Predictions  Nathan Schwadron, Univ. of NH, 30 min
• Emerging GCR Data from AMS-2  Veronica Bindi, Univ. of Hawaii, 30 min

Radiation Health Risk Projections  Eddie Semones, NASA-JSC, 45 min
• NCRP Recommendations, Permissible Exposure Limits, Space Radiation Cancer Risk Model, Operations and In-Flight Solar Particle Event Mitigations

Space Radiation R&T for Risk Mitigation  Lisa Simonsen, NASA-LaRC, 45 min
• Radiobiology Research Portfolio (Cancer, CNS, Cardio) and Spacecraft Shielding Design, Analysis, and Optimization