

SPACE LIFE SCIENCES SYMPOSIUM (A1)  
Radiation Effects and Risks in Human Space Missions (4)

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ASIM BACKGROUND RADIATION ESTIMATION STUDY AT ISS.

**Abstract**

The Modular Gamma and X Ray Monitor (MXGS) will be one of the payloads on board Atmospheric Space-Interaction Monitor (ASIM) Mission at International Space Station (ISS). MXGS will be located at External Platform of the Columbus Module, and therefore the influence of the background noise should be measured in order to achieve the energy resolution (10-500 KeV) and CdZnTe detectors sensitivity required values. In this paper we present a description of the background signal estimation considering the ISS external scenario.