

SPACE RADIATION TESTING, DOSIMETRY SLITS

Tuesday, 18 October 2022 11:20 (20 minutes)

The ANU has been awarded funding to develop a simulated space radiation testing facility. The facility is aimed at qualifying electronic components for use in space projects. Radiation will be produced and targeted at electronic equipment to measure the effects at a component level. Two of the parts required in this system are: slits for defining the area of irradiation, and dosimetry to provide measurement of radiation. The system must be capable of handling a large range of fluxes, with real-time measurement at low-levels. At ANU, a system has been designed to meet all these requirements in a compact and novel way. This presentation will detail the design requirements and the development of the system from concept to reality.

Primary author: TUNNINGLEY, Thomas (ANU)

Presenter: TUNNINGLEY, Thomas (ANU)

Session Classification: General

Track Classification: Joint/Plenary Topics