

Puli Lunar Water Snooper R&D activities at CERN

Wednesday 2 March 2022 16:00 (15 minutes)

The PLWS neutron spectrometer is developed by Puli Space Technologies to in-situ measure subsurface water content on the Moon by detecting thermal and epithermal neutrons using modified COTS CMOS image sensors as detectors. PLWS irradiation tests and Monte Carlo simulations are performed at CERN in collaboration with R2E, paving the way for terrestrial neutron flux monitoring applications in the LHC and other mixed-field environments.

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Session Classification: Research and Development