

# Radiation detection and particle tracking with pixel semiconductor Timepix detectors

*Tuesday, January 16, 2024 3:00 PM (20 minutes)*

Advacam detectors of the Timepix family with the pixelated semiconductor chip developed within Medipix Collaboration at CERN allow for radiation energy detection with precise position information in a wide range of deposited energies. Their capabilities will be demonstrated on the results of several space projects where space radiation fields were composed of components with diverse particle origins and energy.

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**Session Classification:** Interplay of the diverse cosmic rays detectors and standardisation of sharing and processing data