

# Light detection in Dark Matter and Neutrino Detectors

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Particle detection and identification in astroparticle physics heavily rely on light detection. From dark matter searches to neutrino physics, the study of photons produced in particle interactions is crucial to further our understanding of these very precise detectors and to identify the rare signals they are looking for. After providing an overview of the light detection techniques in astroparticle detectors, I will discuss the challenges and the technological advances explored to increase the discovery potential of rare event searches experiments.

## **Do you need a VISA letter for traveling to Canada ?**

No

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**Session Classification:** Cryogenic and Noble Liquids Detectors (1) (Chair: Masashi Yokoyama, Ryan Underwood)

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