

The Canadian Astroparticle physics Summer Student Talk (CASST) Competition 2023

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External Cross in LoLX1

Thursday 17 August 2023 15:45 (15 minutes)

LoLX1 is a small light sensing detector using SiPMs and Liquid Xenon. A small drawback of SiPMs is that they occasionally emit secondary photons outward from their sensing surface – these photons can trigger other SiPMs in the detector and this process is known as external cross talk. In order for larger, SiPM using, experiments to have better energy resolution, external cross talk must be studied.

Topics - Please choose one:

Experiment / Theory

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