

Abstract Submitted
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Study the performance of LYSO and CeBr3 crystals using Silicon Photomultipliers¹ ABAZ KRYEMADHI, Messiah College — The Silicon Photomultipliers (SiPMs) are novel photon-detectors which have been progressively found their use in particle physics. Their small size, good single photon resolution, simple readout, and immunity to magnetic fields offers advantages compared to traditional photomultipliers. LYSO and CeBr3 crystals are relatively new scintillators with high light yield and fast decay time. The response of these detectors to low energy gamma rays and cosmic ray muons will be presented.

¹Messiah College Workload Reallocation Program

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