

## New Perspectives



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# Prototyping for the DUNE ND-LAr Light Detection System

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The DUNE ND-LAr consortium is conducting an extensive prototyping campaign for the Liquid Argon TPC for the DUNE Near Detector. The DUNE ND-LAr detector consists of 35 individual modules with a total fiducial mass of 50 tons. As part of the prototyping campaign a demonstrator detector holding 2x2 modules is placed in the NuMI beam at Fermi National Accelerator Laboratory (Fermilab). Each 2x2 module is tested individually at the University of Bern, recording > 5 million cosmic ray interactions. Using these data different detector performance studies could be performed. This talk will discuss the performance of the light readout system with a focus on the spatial and temporal resolution as well as on the photon detection efficiency.

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