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Enabling optical readout in the high-pressure gas TPC (HPgTPC) of DUNE's ND-GAr near detector¹ DIEGO GONZALEZ-DIAZ, University of Santiago de Compostela — The usage of optical information is ubiquitous in neutrino detectors, essential for spill-assignment, background suppression and triggering. Enabling an independent and complete physics program at the ND-GAr component of DUNE's near detector suite will undoubtedly benefit from this feature, too. We discuss in this presentation the prospects towards simultaneous readout of ionization and scintillation signals in ND-GAr and the R&D currently performed in this direction.

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