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Near-Infrared Scintillation of Liquid Argon

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After briefly reviewing past attempts to observe and measure the scintillation of condensed noble gases in the near-infrared (NIR), we outline the prospects and advantages of using the NIR scintillation as the light signal in liquid argon time projection chambers. We conclude with preliminary results obtained at Fermilab's Proton Assembly Building cryogenic facilities.

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