## 23rd International Workshop on Next Generation Nucleon Decay and Neutrino Detectors (NNN24)



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## A novel approach to photon diffusion in LArTPCs

In this poster we present an approach to light propagation inside a LArTPC based on the finite speed of the propagation of light and accounting for the correct total amount of photons inside the detector. Then the predictions of this approach are compared to Geant4 simulations for the problem and similarities / differences in the results are discussed.

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