

Abstract Submitted  
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**Light Modeling and Detection in LArTPCs** BENJAMIN JONES,  
MIT — This talk describes modelling and detection of light from neutrino beam interactions in argon. Cerenkov and scintillation light is produced. The wavelength of scintillation light is 128 nm and so it must be shifted in order to be detected. We describe methods which will be used in MicroBooNE and other experiments.

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