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# Light Collection in the Scintillation Bubble Chamber

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The ongoing search for dark matter continues to evolve, and the quest to reach lower cross-sections is leading to new technologies. One of the newer proposals involves the use of a bubble chamber which employs noble elements (such as argon and xenon) as the active mass. Combining recent developments of bubble chambers with liquid noble gases allows additional scintillation and ionization data to be collected. These channels further suppress backgrounds allowing the exploration of lower dark matter mass parameter space with a lower energy threshold. This talk/poster focuses on the current development of SBC (scintillating bubble chamber), and the SiPMs (silicon photomultipliers) used in the detector.

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## Please select: Experiment or Theory

Experiment

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