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72 - Scintillating Bubble Chamber for Detecting Dark Matter

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The search for dark matter is evolving, and the quest to reach lower cross-sections leads 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. The switch to these targets opens the possibility for a much lower sensitivity to backgrounds as well as an additional scintillation channel for use in discrimination which opens up the potential for lower mass dark matter to be studied with a lower energy threshold. This talk will introduce the scintillating bubble chamber as well as report on the progress and timeline.

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