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Hunting for WIMPs and Beyond

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The WIMP hypothesis has been a leading contender, yet recent null results from WIMP searches have prompted extensive exploration of alternative possibilities, particularly focusing on sub-GeV dark matter and ultralight dark matter. In this talk, I will first review the status of WIMPs from theory and data and the recent research on non-WIMP dark matter models. Then I will introduce our works on the detections of sub-GeV DM with low-energy ionization signals and the stimulated emissions of ultralight DM.

Collaboration (if any)

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