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New Techniques in Dark Matter Direct Detection

Monday 13 May 2024 14:00 (15 minutes)

The search for dark matter (DM) continues, with increasingly sensitive detectors at the WIMP scale, and novel detection techniques for discovering sub-GeV DM. In this talk I highlight two types of directionally sensitive experiments, in which the DM signal can be distinguished from the low-energy backgrounds. A new, highly efficient computational method can streamline the theory predictions, reducing the evaluation time by up to seven orders of magnitude.

Mini Symposia (Invited Talks Only)

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