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COSINE-100 and Tests of DAMA

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Astrophysical observations give overwhelming evidence for the existence of dark matter. While the DAMA collaboration has asserted for years that they observe a dark matter-induced annual modulation signal in their NaI(Tl)-based detectors, their observations are inconsistent with those from other direct detection dark matter experiments under most assumptions of dark matter. I will describe the COSINE-100 experiment and other low-background NaI(Tl)-based dark matter experiments, and our progress toward resolving the current stalemate in the field.

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Collaboration name

COSINE-100

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