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Dark matter velocity spectroscopy: a speed test for dark matter

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I will talk about the idea of dark matter velocity spectroscopy and its application for sterile neutrino dark matter searches: how high-resolution x-ray instruments can distinguish line emission from dark matter, hot gas, and instrumental artifacts. With a sufficiently precise instrument, this general technique can provide an additional and important handle in diagnosing tentative dark matter line signals.

Summary

Author: NG, Kenny Chun Yu (Ohio State University)

Co-authors: SPECKHARD, Eric (Ohio State University); BEACOM, John (Ohio State University); LAHA, Ranjan (Stanford University)

Presenter: NG, Kenny Chun Yu (Ohio State University)

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