

Light dark matter: motivation, theory, ongoing search

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I will review the motivation, the models, and some astrophysical clues for dark matter in the keV mass range, including sterile neutrinos and string/supersymmetry moduli. I will also discuss the results of an ongoing search for this form of dark matter using dedicated observations on all three X-ray telescopes: Chandra, Suzaku, and XMM-Newton.

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Session Classification: Indirect Detection