

## TeV Particle Astrophysics 2017 (TeVPA 2017)



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### Recent Updates on the 3.5 keV Line

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A well-motivated warm dark matter candidate, sterile neutrinos, can radiatively decay and emit X-rays detectable in observations of large dark matter aggregations such as galaxies and clusters of galaxies. I will review the current and past efforts on searching for decaying dark matter in galaxy clusters and galaxies with a special focus on the 3.5 keV line. Additionally, I will summarize how the recent constraints can be improved using the future X-ray observations.

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