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Recent Developments on X-ray Signals from Dark Matter Decay in Galaxies and Galaxy Clusters

Tuesday 8 December 2015 14:00 (21 minutes)

The latest observational status of the candidate dark matter decay signal at 3.5 keV will be presented. This unidentified X-ray line is observed in multiple galaxies and galaxy clusters. Instrumental effects or plasma emission are disfavoured while the observations are consistent with a decaying dark matter interpretation. In addition to a review of the existing work, the latest developments will be discussed.

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