

Indirect dark matter search with future X-ray missions

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Dark matter (DM) remains one of the greatest problems to our understanding of cosmology.

In this talk I will briefly review several SM extensions which naturally provide dark matter candidates, including sterile neutrino, axion-like particles and dark photons. We will review existing constraints on the parameters of DM candidates and perspectives for indirect DM searches as well as discuss the improvement in the area which can be achieved with the next-generation X-ray missions such as Athena, eXTP and THESEUS.

Primary author: Dr MALYSHEV, Denys (IAAT/Tubingen University)

Co-authors: Prof. SANTANGELO, Andrea; Mr THORPE-MORGAN, Charles; Prof. JOCHUM, Josef

Presenter: Dr MALYSHEV, Denys (IAAT/Tubingen University)

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