

Search for axions in streaming dark matter

Thursday 18 May 2017 12:00 (20 minutes)

Streaming axion DM may be the better source for their discovery than the isotropic DM. Because, a large flux enhancement can take place, temporally, due to gravitational lensing when the Sun and/or a planet are aligned with the stream. Of interest are axion miniclusters, in particular, if the solar system has trapped one during its formation. Wide-band axion antennae fit this concept, but also the proposed fast narrow band scanning. A network of detectors can provide full time coverage (and large axion mass acceptance). Other DM searches may profit from this proposal.

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Session Classification: Session 12