

Hunting axions with the James Webb Space Telescope

Wednesday 16 April 2025 10:00 (30 minutes)

Axions with a mass around 1 eV can decay into near-infrared photons. Utilising blank-sky observations from the James Webb Space Telescope, I search for a narrow emission line due to decaying dark matter and derive leading constraints on the axion-photon coupling in the eV-scale mass range.

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