

Updated bounds on ALP Dark Matter with the optical MUSE-Faint survey

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We provide bounds on the effective axion-like particle (ALP) to two-photon coupling obtained from the MUSE spectroscopic observations of six dwarf spheroidal galaxies between 470 and 935 nm. We search for the signal from radiative decays of ALPs under the assumption that they constitute the dark matter component of the haloes. These bounds are an update to those of arXiv:2009.01310 [astro-ph.CO].

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