Oscillation period, $T = 2\pi/m_a$ 100 years 1 day 1 hour 1 min 1 year 1 s 10^{-9} CAST 10^{-10} Noton 10⁻¹⁰

Suildnoo noton 10⁻¹²

10⁻¹³

10⁻¹⁴

10⁻¹⁵

10⁻¹⁶ Diffuse SNe Hydra A BICEP/KECK Sgr A* Super star clusters PSR J0437-4715 **M87** H1821+643 10^{-14} 10^{-15} DANCE Fuzzy DM 10^{-21} $10^{-19} \quad 10^{-18}$ 10^{-20} 10^{-22} 10^{-14} 10^{-23} 10^{-15} 10^{-24} 10^{-17} 10^{-16} Axion mass, m_a [eV]