

Laser-assisted search for axion-like particle or dark photon in strong-field QED

Wednesday, 30 July 2025 10:00 (30)

In this talk I propose a laser-assisted method for the search of light dark particles such as axion-like particle and dark photon. I will first introduce strong-field QED framework and laser-assisted Compton scattering. Then I will discuss the laser-induced Compton scattering to dark particles and show the prospect of detection.

Primary author(s) : Prof. LI, Tong (Nankai University)

Co-author(s) : Prof. MA, Kai (Xi'an University of Architecture and Technology)

Presenter(s) : Prof. LI, Tong (Nankai University)

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