

Lattice QCD: From Precision Tests to New-Physics Searches

Sunday, 11 October 2026 12:00 (30)

Lattice QCD has made key breakthroughs in precision calculations for charmonium radiative decays and charm-meson semileptonic decays in recent years. This talk will first review these developments. Apart from precision tests, searching for possible dark-matter candidates with high-precision experimental data constitutes another frontier of modern physics. We will introduce recent lattice advances in axion-like-particle studies and neutrino-background calculations, and outlook its growing significance for dark-matter studies in the future.

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