

# Progress on Charmed baryon decays from Lattice QCD

*Thursday, 15 May 2025 09:35 (35 minutes)*

This talk aims to systematically examine the state-of-the-art developments, persistent challenges, and emerging frontiers in first-principles determinations of heavy meson non-perturbative structure, including the light-cone distribution amplitudes (LCDAs) and shape functions (SFs). We will critically assess recent breakthroughs in effective theory frameworks and lattice QCD simulations, while mapping uncharted territories for precision heavy flavor physics.

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