

Heavy-flavor hadrons at LHCb

Thursday, 18 January 2024 17:35 (50 minutes)

The presentation will provide a review of the latest discoveries in heavy-flavor hadron spectroscopy at LHCb, particularly focusing on exotic multiquark states.

Key updates will include the recent evidence for a $J/\psi K^0_S$ structure in B^0 decays, the groundbreaking observation of the first doubly charged tetraquark, and insights from the ongoing search for pentaquarks in prompt production within proton-proton collisions. These studies will highlight the evolving landscape of heavy-flavor spectroscopy and persistent LHCb's effort in unveiling these novel phenomena.

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