Contribution ID: **171** Type: **Parallel session talk**

Recent studies of pentaquarks at LHCb

Saturday 20 July 2024 09:30 (15 minutes)

Studying the properties and behavior of pentaquarks deepens our understanding of quantum chromodynamics (QCD) and the strong interactions. The LHCb experiment, with a large heavy-flavor dataset and detector performance optimized for beauty and charm hadron studies, is uniquely positioned to explore the properties of heavy-flavor pentaquark states. This talk highlights the latest advancements in the study of pentaquark states within the LHCb experiment, including study of pentaquark states in both prompt and non-prompt production. These results hold important reference value for understanding the formation of pentaquark states.

Alternate track

I read the instructions above

Yes

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Session Classification: Strong interactions and Hadron Physics

Track Classification: 06. Strong Interactions and Hadron Physics