

New results of Pentaquark searches in LHCb

Wednesday, 10 April 2019 09:30 (12 minutes)

The first observation of a $(J/\Psi p)$ exotic structure in $L_b \rightarrow J/\Psi p K$ decays has opened a new field of investigation in the spectroscopy of baryon resonances. Various interpretations of these structures have been proposed, including tightly bound pentaquark states, baryon-meson molecular bound states, and further studies are needed to understand their origin. New searches for Pentaquark candidates in LHCb will be presented using the Run 1 and Run 2 data sample.

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Session Classification: Frontiera dell'Intensità

Track Classification: Frontiera dell'Intensità