

V0 production in Run 3 at LHCb

Wednesday 29 March 2023 09:30 (10 minutes)

The LHCb detector has undergone major upgrades in the last LHC shutdown and therefore the performance of the new detector has to be evaluated. Strange hadrons have huge production cross-sections and can be studied with exclusively using the detector's tracking system. Therefore, they offer the optimal starting point of evaluating the detector's performance. Additionally, an enhancement of strangeness production in the mid-rapidity region has been observed by the ALICE experiment. To understand its possible role in solving the muon puzzle in astroparticle physics, the LHCb experiment can probe this strangeness enhancement in the very-forward region.

Title

V0 production in Run 3 at LHCb

Primary author: BEHLING, Noah Albin (Technische Universitaet Dortmund (DE))

Presenter: BEHLING, Noah Albin (Technische Universitaet Dortmund (DE))

Session Classification: Presentations