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Probing new horizons with flavour at the LHCb experiment

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The past decade has seen rapid developments in flavour physics, in particular driven by the LHCb experiment. A wealth of heavy-hadron states have been discovered, with some of them not fitting in the conventional meson-baryon classification scheme. Precision studies of beauty and charm hadron decays have not only improved our understanding of the flavour structure of the Standard Model, but also revealed a number of intriguing anomalies. This talk will present highlights from the LHCb experiment, focusing on the recent results in hadron spectroscopy and heavy-flavour decays.

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