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# Beauty baryon decays at LHCb

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The LHCb experiment collected the world's largest sample of charmed hadrons in proton-proton collisions during LHC Run 1 and Run 2. With this data set, LHCb is offering an unprecedented opportunity to enhance our understanding of these particles through searching for new decay channels [1], measurement of b-baryon properties [2], measurement of the mass and production [3]. This presentation will discuss recent results based on beauty baryon decays at centre-of-mass energies of 7, 8 and 13TeV.

- [1] R. Aaij et al. (LHCb Collaboration), J. High Energy Phys. 07 (2024) 140  
 [2] R. Aaij et al. (LHCb Collaboration), arXiv:2406.12111  
 [3] R. Aaij et al. (LHCb Collaboration), Eur. Phys. J. C 84, 237 (2024)

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