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Measurements of the CP violation phase ϕ_s at LHCb

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Decays of the Bs meson via $b \rightarrow c\bar{c}b$ transitions are excellent probes for physics beyond the Standard Model due to their sensitivity to the CP-violating phase ϕ_s . In addition, the Bs decay width and the decay width difference between the Bs mass eigenstates are measured precisely in these modes. We present the first Run 2 measurements of these quantities at LHCb.

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