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Recent measurements of the CKM angle gamma at LHCb

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The Cabibbo-Kobayashi-Maskawa (CKM) γ angle can be determined by exploiting the interference between favoured b —> c and suppressed b —> u transition. It is the only angle that is directly measured at the tree level with negligible theoretical uncertainties. It provides a benchmark for the SM of the particle physics to explain the CP violation and to test the new physics contribution Beyond the Standard Model (BSM). The LHCb experiment performs the combination of the measurements sensitive to the CKM angle γ and obtained the most precise measurement of the γ angle which is a central topic in flavour physics. This talk presents the latest γ combination using measurements of tree-level decays at LHCb.

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