Contribution ID: **99** Type: **poster**

Recent results of the CKM angle γ measurement at LHCb and prospect for Run III and Run IV

Tuesday, 25 June 2019 13:30 (1h 30m)

The CKM angle γ is the least precise measured parameter of the Unitary Triangle. Discrepancies between precise measurements of the CKM angle γ in the tree-level and loop dominated processes might provide evidence of New Physics - beyond the Standard Model. The value can be well determined by exploiting the interference between favored □→□ and suppressed □→ □ transition amplitudes (e.g. □→□□ decay). Selected results of the Cabibbo-Kobayashi-Maskawa (CKM) angle γ measurements, with special attention for □→□□ decays family, obtained at the LCHb will be discussed. A quick overview of the upgrade of the LHCb spectrometer and prospect for future measurements during Run III and Run IV at LHC will be also presented.

Primary author: KRUPA, Wojciech (AGH UST)

Presenter: KRUPA, Wojciech (AGH UST)

Session Classification: Poster session