

## Recent Progress in Measuring Mixing and CP Violation in B-meson Decays

*Monday, 12 July 2021 10:40 (30 minutes)*

This talk will review the role of the CKM matrix in governing meson-antimeson oscillations and CP violation in the Standard Model. Recent measurements of  $B_s$  oscillations and decays by LHCb, CMS, and ATLAS will be discussed in this context, as will be measurements of CP violation in  $B_d$  and  $B_u$  decays. The direct measurements of the CKM angle  $\gamma$  (from decays produced by tree-level amplitudes) are combined and the resulting value compared to that determined indirectly.

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