

# Angular analyses at CMS

*Thursday, July 5, 2018 10:20 AM (20 minutes)*

Angular analyses of penguin B hadron decays such as  $B^0 \rightarrow K\ell\ell$  constitute one of the main indirect probes of new physics at LHC, due to the clean theoretical predictions and precise experimental results that can be obtained. In this report we present the most recent results of the CMS experiment on this subject, including the measurement of the  $P_1$  and  $P_5'$  angular variables in  $B^0 \rightarrow K\mu\mu$  decays and the angular analysis of the  $B^{+-} \rightarrow K^+\mu\mu$  process.

Files

**Primary author:** CHEN, Geng (Peking University (CN))

**Presenter:** CHEN, Geng (Peking University (CN))

**Session Classification:** Quark and Lepton Flavor Physics