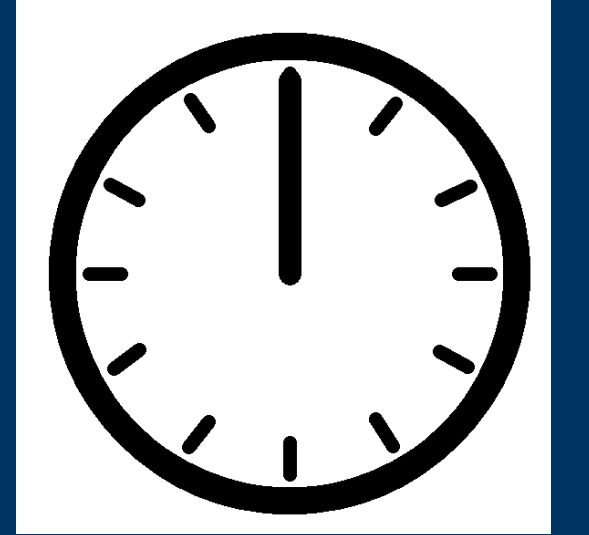


- The T-odd observables in $\Lambda_b \rightarrow \Lambda V$



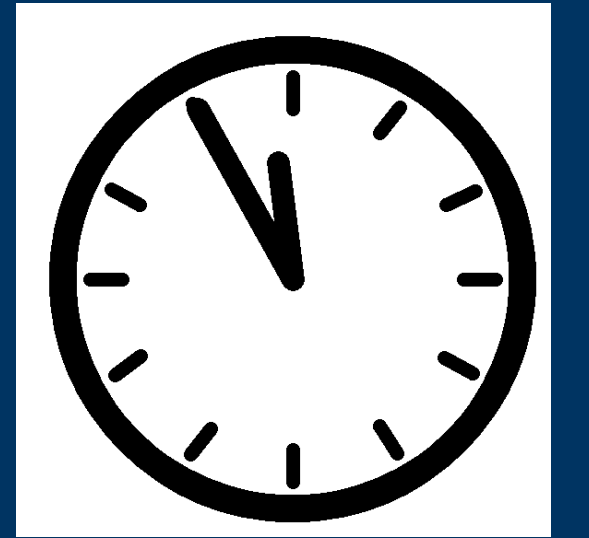
- The T-violation effects in the cascade decays

- The numerical results

Outline



- We have found the T-odd observables in $\Lambda_b \rightarrow \Lambda V$.



- The T-violating effects in the cascade decays have been identified.
- The numerical results have been estimated with factorization.

Conclusions



Research Motivation

v2 [hep-ex] 25 Jun 2020

Measurement of the $\Lambda_b^0 \rightarrow J/\psi \Lambda$
angular distribution and the
 Λ_b^0 polarisation in pp collisions

LHCb collaboration[†]

- The full angular distributions of $\Lambda_b \rightarrow \Lambda J/\psi$ have been studied at LHCb. **JHEP 06, 110 (2020).**
- The naive T-violation in $\Lambda_b \rightarrow \Lambda \phi$ decays have been probed through the partial angular distribution at LHCb. **Phys. Lett. B 759, 282 (2016).**

