

# 50 Years of CP Violation

# 50 Years of CP Violation

Contribution ID : 28

## Flavour tagging techniques for CPV studies in the Bs system with ATLAS

Friday 11 Jul 2014 at 10:40 (00h05')

### Summary :

The sensitivity to Bs meson mixing phenomena can be significantly improved by distinguishing the initial meson flavour. We present the flavor tagging techniques, as used for instance in the ATLAS measurement of the angular amplitudes contributing to  $B_s \rightarrow J/\psi \phi$  ( $\mu^+\mu^-K^+K^-$ ) decays. The methods, their performance and calibration on self-tagged  $B^+ \rightarrow J/\psi K^+$  data are shown.

**Primary authors :**

**Co-authors :**

**Presenter :** Mr. JAKOUBEK, Tomas (Acad. of Sciences of the Czech Rep. (CZ))

**Session classification :** Poster session and coffee break

**Track classification :** --not yet classified--

**Type :** Poster