

Mixing and CP violation in the B_s system with ATLAS

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Collaboration

ATLAS

Abstract content

The different amplitudes contributing to the decay of B_s into $J/\psi \phi(\mu^+ \mu^- K^+ K^-)$ can be studied with a combined analysis of decay time and angular correlations. An analysis based on data collected in 2011 and with initial B -meson flavour tagging is presented, improving the accuracy in the CP-violating phase ϕ_s compared to the untagged analysis.

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