

## ATLAS results on weak decays of B mesons

*Tuesday 10 January 2023 17:20 (20 minutes)*

The ATLAS experiment is able to probe potential beyond the Standard Model physics by performing precise measurements of B meson decays. In particular this talk will highlight the branching fractions of rare decays  $B_s$  and  $B \rightarrow \mu\mu$  and CP violation in  $B_s \rightarrow J/\psi\phi$ , which can both be altered by new physics.

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**Session Classification:** Parallel session B

**Track Classification:** QCD