

# Phenomenology 2020 Symposium



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## ATLAS Measurements of CP Violation and Rare Decays Processes with Beauty Mesons

Tuesday 5 May 2020 14:45 (15 minutes)

The ATLAS experiment has a rich  $B$  physics program including measurements of CP violation in  $B$  meson decays and studies of rare FCNC decays of  $B$  mesons as sensitive probes of physics beyond the SM. In this talk, recent studies of the CP violating phase  $\phi_s$  in  $B_s^0 \rightarrow J/\Psi\phi$  and of the rare decay of  $B^0$  and  $B_s^0$  to muon pairs are highlighted.

### Summary

**Primary author:** PERREVOORT, Ann-Kathrin (Nikhef National institute for subatomic physics (NL))

**Presenter:** PERREVOORT, Ann-Kathrin (Nikhef National institute for subatomic physics (NL))

**Session Classification:** Flavor II

**Track Classification:** Flavor