

## Rare Decays of $B^0(s)$ Mesons to Muon Pairs with the ATLAS Detector (Run 1)

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### Summary

The large amount of Heavy Flavor data collected by the ATLAS experiment at the LHC is potentially sensitive to New Physics, which could be evident in processes that are naturally suppressed in the Standard Model. The most recent results for the rare decays of  $B^0s$  and  $B^0$  to two muons based on the full sample of data (Run 1) collected by the ATLAS detector at 7 and 8 TeV of collision energy are presented. The consistency with the Standard Model and with other available measurements is discussed.

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**Session Classification:** QCD + Heavy Flavour