



# CERN Joint EP/PP Seminars

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TITLE: **Constraints on new physics from  $b \rightarrow s$  hadronic decays at the Babar**

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PLACE: Main Auditorium \*\*

## ABSTRACT

We present the status of time-dependent and time-integrated measurements of  $b \rightarrow s$  hadronic decays and we discuss their phenomenological implication. Being dominated by penguin contributions, these decay modes are sensitive to virtual effects from heavy particles running in the loop and can probe the presence of physics beyond the Standard Model. In addition, they allow to discriminate among the available hadronic matrix elements calculations. We review the experimental techniques used in the analysis, the status of the experimental measurements and the perspectives for the next generation of flavor experiments.