

## On $B_s$ to $\mu\mu$ within well-motivated theory frameworks, including the SM

*Tuesday 16 April 2013 14:30 (22 minutes)*

The  $B_s$  to  $\mu\mu$  decay is one of the milestones of the flavor program at the LHC. I will touch on certain aspects of the connection between the experimental and the theoretical observable. I will then discuss the impact of this observable on SM extensions, focusing on minimally model-dependent frameworks such as MFV or partial compositeness. It turns out that its constraining power is, depending on the framework, either comparably strong or strikingly stronger than that of Z-peak observables measured at LEP.

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