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## **Search for the Bs and B0 decays to dimuons with the CMS experiment**

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A search for the rare decays  $B_s \rightarrow \mu\mu$  and  $B^0 \rightarrow \mu\mu$  performed in pp collisions at  $\sqrt{s} = 7$  TeV is presented. The data sample, collected by the CMS experiment at the LHC, corresponds to an integrated luminosity of about 5 fb<sup>-1</sup>, corresponding to all 2011 data taking.

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