



ID de Contribution: 93

Type: **Ordinary**

Search for new physics in Rare B decays at LHCb

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A search for the decays $B_s \rightarrow \mu\mu$ and $B_0 \rightarrow \mu\mu$ is performed with about 37 pb^{-1} of pp collisions at $\sqrt{s} = 7 \text{ TeV}$ collected by the LHCb experiment at the Large Hadron Collider at CERN. The observed numbers of events are consistent with the background expectations. The resulting upper limits on the branching ratios are $B(B_s \rightarrow \mu\mu) < 43(56) \times 10^{-9}$ and $B(B_0 \rightarrow \mu\mu) < 12(15) \times 10^{-9}$ at 90(95)% confidence level.

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Classification de Session: Flavour Physics and Leptogenesis

Classification de thématique: Experiment