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## **$B_q \rightarrow \ell\ell$ and electroweak interactions**

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Flavour changing rare decays provide important tools to test the standard model and constrain the parameter space of physics beyond the standard model.

The decay of a  $B_s$  or  $B_c$  meson into two charged leptons has a unique sensitivity to new physics and can be calculated with high precision in the standard model. I will discuss the recently calculated two-loop electroweak corrections to this decay and show how the previously large electroweak scheme ambiguities are rendered negligible at this order.

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**Classification de Session:** Heavy Flavours

**Classification de thématique:** Theory