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Type: **Ordinary**

$B_q \rightarrow \ell\ell$ 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