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## **Perturbative contributions to rare B-meson decays**

*Wednesday, 30 April 2014 14:24 (24 minutes)*

Loop-mediated rare B-meson decays provide sensitive tests of the Standard Model and constraints on its extensions. I will present a brief review of several recent perturbative calculations that contribute to precise theoretical predictions for  $B_{s,d} \rightarrow \ell^+ \ell^-$ ,  $B \rightarrow X_s \gamma$  and  $B \rightarrow X_s \ell^+ \ell^-$ .

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**Session Classification:** WG5: Heavy Flavours

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