



**Laboratório de Instrumentação e  
Física Experimental de Partículas**

## **LIP Seminar**

Thursday, 6 of May, 11h30

**About the universality (or not) of loop  
induced beauty decays**

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(Orsay, IJCLab)

The coupling of the electroweak gauge bosons of the Standard Model to leptons is lepton flavour universal. Extensions of the Standard model do not necessarily have this property. Rare decays of heavy flavour are heavily suppressed in the Standard Model and new particles can give sizeable contributions to these processes, thus their precise study allows for sensitive tests of lepton flavour universality. Of particular interest are rare  $b \rightarrow sll$  decays that are readily accessible at the LHCb experiment. Recent results from LHCb on lepton flavour universality in rare  $b \rightarrow sll$  decays are discussed.

**Location: Videoconference - Zoom**

**<https://indico.lip.pt/event/901/>**

**Connection details**

**URL: <https://videoconf-colibri.zoom.us/j/82345449841>**

**PIN: LIPSeminar**

*Or by phone:*

*Dial: +351 308 810 988 (Portugal Toll) or +351 211 202 618  
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*Meeting ID: 823 4544 9841*

*Or iPhone one-tap: 308810988,82345449841# or  
211202618,82345449841#*

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