



Contribution ID: 300

Type: **not specified**

LHC searches in rare heavy-flavor decays

Monday, 23 June 2014 16:45 (20 minutes)

Rare decays of beauty hadrons test the flavour structure of the Standard Model and of other theories at the level of quantum corrections. They provide information on the couplings and masses of heavy virtual particles appearing as intermediate states. A review of recent results from the the LHCb, ATLAS, and CMS collaborations on new physics searches in $b \rightarrow s$ transitions will be presented.

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Session Classification: Particle Physics

Track Classification: Particle Physics