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Particle Physics at LPTHE

Vendredi 16 Novembre 2018, 14 :00
LPTHE, Library
Domaines : hep-ph

Titre : *New physics in B-meson decays*

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Résumé : *Current B-physics data contain two intriguing tensions. First, the LHCb collaboration has reported on some anomalies in b-s transitions, with discrepancies with the Standard Model predictions in some angular observables and branching ratios and intriguing hints for lepton universality violation. And second, BaBar, Belle and LHCb have found compatible deviations in observables associated to b-c transitions, again hinting at the violation of lepton universality. We will review the proposed explanations for these tensions and focus on new physics models that can simultaneously address both anomalies. In particular, we will discuss gauge extensions of the Standard Model aiming at such goal.*
