CFTP & LIP LHC SEMINAR



No âmbito das disciplinas do Programa Doutoral em Física do IST

The charm of New Physics at the Large Hadron Collider

Diego Tonelli

(CERN)

Discrepancies between theory and measurements of lower-energy quantities may reveal virtual contributions of non-standard-model particles or interactions prior to their direct observation. Historically, this indirect approach has been rewarding, especially in the quark-flavor sector. The LHCb experiment at the LHC proton-proton collider has access to the worlds largest samples of charmed meson decays. I review recent charm physics results, focusing on a few that have the potential to challenge the standard model.