DISCRETE 2010



Contribution ID: 3

Type: not specified

Theory Prediction of epsilon_K

Monday, 6 December 2010 14:50 (25 minutes)

The parameter epsilon_K plays an important role in the phenomenology of the Standard Model and its extensions. It is very sensitive to high-energy scales and can be predicted with remarkable precision. In this talk I will give a summary of the theory prediction and present our recent NNLO QCD calculation of the short-distance contributions to epsilon_K in the Standard Model.

Primary author: Dr BROD, Joachim (Excellence Cluster Universe, TU München)
Presenter: Dr BROD, Joachim (Excellence Cluster Universe, TU München)
Session Classification: T, C, P, CP symmetries, accidental symmetries (B, L cons.) (1)

Track Classification: T, C, P, CP symmetries, Accidental symmetries (B, L conservation)