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Epsilon'/epsilon beyond the SM:

The long standing deviation of the measured value of epsilon'/epsilon from the Standard Model prediction calls for a rigorous analysis of effects beyond the Standard Model (BSM) to K->pi pi decays. In this talk I will present results of scalar-scalar and tensor-tensor matrix elements relevant for epsilon'/epsilon, which have been obtained for the first time recently, using the Dual QCD approach. Furthermore I will present a master formula which allows to compute the value of epsilon'/epsilon in any given BSM scenario. Finally epsilon'/epsilon will be analysed in a model independent way in the light of the SMEFT.

Wednesday, Oct. 3, 2018
2:00pm
401 Physical Sciences Building