

New Physics prospects from D to πl^+l^-

mardi 22 juin 2021 10:00 (40 minutes)

I will discuss the decay D to πl^+l^- , providing motivation from the B physics anomalies. After having reviewed the previous status of the calculation for this decay, I will motivate our calculation where we take a new approach to the resonance contributions and include for the first time the relatively large contributions from the weak annihilation diagrams. I will then discuss the consequences of this calculation of the search for new physics via D to πl^+l^- , mentioning both the model independent case and the case of specific models.

Orateur: BHARUCHA, Aoife (CPT, Marseille)