

New Physics prospects from D to $\pi l+l^-$

mardi 22 juin 2021 10:00 (40 minutes)

I will discuss the decay D to $\pi l+l^-$, 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 $\pi l+l^-$, mentioning both the model independent case and the case of specific models.

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