



Contribution ID: 98

Type: **Parallel**

Electromagnetic corrections to leptonic decays

Wednesday 19 June 2019 12:10 (20 minutes)

In this talk we present the status of the RBC-UKQCD collaboration project to compute the QED corrections to light pseudo-scalar leptonic decay rates. This computation is using domain-wall fermions at close-to-physical quark masses. We summarise the overall strategy to obtain the relevant amplitude corrections from Euclidean correlation functions. These correlations functions are assembled using an all-to-all strategy including low-mode averaging using 2000 eigenvectors of the fermion matrix. We present preliminary results implementing this strategy.

Author: PORTELLI, Antonin (The University of Edinburgh)

Presenter: PORTELLI, Antonin (The University of Edinburgh)

Session Classification: Weak Decays and Matrix Elements

Track Classification: Weak Decays and Matrix Elements