



Contribution ID: 355

Type: **Oral presentation**

Comparison of lattice QCD results for inclusive semi-leptonic decays B mesons with the OPE

Thursday 29 July 2021 06:30 (15 minutes)

A recently proposed approach to inclusive semi-leptonic decay rate on the lattice allows for the calculation of various quantities (differential distributions and moments) in different subchannels. We systematically compare the lattice QCD results for unphysically light bottom and strange quarks with OPE-based predictions, including leading order perturbative and $O(1/m^3)$ power corrections, and explore possible strategies to decrease the systematic uncertainty.

Primary authors: MAECHLER, Sandro (University of Turin); HASHIMOTO, Shoji (KEK); GAMBINO, paolo (università di torino); KANEKO, Takashi (KEK)

Presenter: MAECHLER, Sandro (University of Turin)

Session Classification: Standard Model Parameters

Track Classification: Standard Model Parameters