## The 38th International Symposium on Lattice Field Theory



Contribution ID: 590 Type: Poster

## F5: Electromagnetic effects in charged pion decay

Wednesday, 28 July 2021 15:45 (15 minutes)

Using simulations in QCD+QED we investigate electromagnetic corrections to charged pion decay. We calculate pion-muon three-point functions, and analyze the dependence on time and momentum transfer to investigate the interplay between the strong, weak and electromagnetic effects.

Primary author: RAKOW, Paul (University of Liverpool)

**Co-authors:** HORSLEY, Roger (University of Edinburgh); SCHIERHOLZ, Gerrit (DESY); ZANOTTI, James (University of Adelaide); YOUNG, Ross; Dr STUEBEN, Hinnerk (Konrad-Zuse-Zentrum für Informationstechnik Berlin)

Presenter: RAKOW, Paul (University of Liverpool)

Session Classification: Poster

Track Classification: Hadron Structure