

25th International Summer Institute on Phenomenology of Elementary
Particle Physics and Cosmology (SI2019)

Contribution ID: 40

Type: **not specified**

Charged lepton flavor violation in muonic atom

Tuesday 20 August 2019 20:10 (10 minutes)

The charged lepton flavor violation (CLFV) is a good probe to search for new physics beyond the standard model. If there is a neutral boson X which is lighter than muon and has CLFV interaction, a muon can decay into an electron and an X , i.e. $\mu \rightarrow e + X$. The search for this process is expected to constraint the property of X . In this talk, we focus on a search for the decay in muonic atom due to some advantages.

Presenter: UESAKA, Yuichi (Saitama University)

Session Classification: Parallel Session