



Contribution ID: 65

Type: **Plenary Presentation**

Mu2e-II Experiment

Monday 4 December 2023 17:00 (20 minutes)

Mu2e-II experiment is a proposed upgrade to the Mu2e experiment (currently in its construction phase) for the purpose of discovering charge lepton flavor violation (CLFV) through muon to electron conversion. The upgrade will use the increased beam capabilities of Fermilab's PIP-II project to achieve another order of magnitude improvement over the existing Mu2e goal of 10^4 to the previous limit set on the conversion. This improvement will also require R&D on the existing detector and accelerator technologies. I will discuss the physics goal, necessary R&D and the latest sensitivity projections.

Name of collaboration or list of co-authors

Mu2e-II collaboration

Primary author: YUCEL, Mete (Fermilab)

Presenter: YUCEL, Mete (Fermilab)

Session Classification: Monday afternoon