

DPF-PHENO 2024

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Light new physics at Mu3e

Monday 13 May 2024 15:15 (15 minutes)

We show how the experiment Mu3e can improve sensitivity to light new physics by taking advantage of the angular distribution of the decay products. We also propose a new search at Mu3e for flavor violating axions through the decay $\mu \rightarrow 3e + a$ which circumvents the calibration challenges which plague the $\mu \rightarrow e \gamma$.

Mini Symposia (Invited Talks Only)

Plenary (Invited talks only)

Presenter: LANGHOFF, Kevin (UC Berkeley)

Session Classification: Minisymposium