



LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS

# LEPP Joint Seminar



**Matthias Schlaffer**  
**Fermilab/U Chicago**

**Relaxion**  
**searches at**  
**future colliders**

The relaxion mechanism introduces a new solution to the hierarchy problem and predicts a light new pseudoscalar, the relaxion. In this talk I will discuss the diverse strategies that are needed to cover the relaxion parameter space that is accessible at the HL-LHC and future lepton colliders.

**Friday, February 21, 2020**  
**1:00pm**  
**401 Physical Sciences Bldg.**