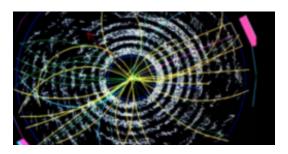
## **New Perspectives 2017**



Contribution ID: 73 Type: Oral Presentation

## Mu2e in 10 Minutes

Tuesday, 6 June 2017 17:00 (15 minutes)

This talk will give a concise, graduate-student-level overview of the Mu2e experiment. It will describe the goal of the Mu2e experiment (to search for neutrino-less muon-electron conversion), and why this process would indicate physics beyond the Standard Model. It will further detail the implementation and design of the experiment: (1) a brief description of how the low-energy, high-intensity muon beam is produced using Fermilab's accelerator system, (2) a small discussion on the three solenoids of the Mu2e experiment and their function, and (3) a layout of the detector system with descriptions of the primary detector components.

**Primary author:** COLSTON, Jacob (Mu2e)

Presenter: COLSTON, Jacob (Mu2e)

Session Classification: Muon Physics etc