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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.

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Session Classification: Muon Physics etc