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The Mu2e Experiment

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The Mu2e experiment is currently being assembled at Fermilab for its first beam in 2025. This experiment will search for the Standard Model violating neutrinoless conversion of a muon into an electron by detecting the delayed, essentially monoenergetic electron from a muon trapped in an Aluminum atom. The goal is to search for this signal at a rate approximately four orders of magnitude beyond current experimental limits. If found, these electrons are an unambiguous signal for physics beyond the Standard Model. This talk will give a brief description of the Mu2e experiment and an update of its progress toward data taking.

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