

NuFact 2026 - The 27th International Workshop on Neutrinos from Accelerators



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Status of the Mu3e Experiment

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The Mu3e Experiment at the Paul Scherrer Institut (PSI) aims to probe for charged lepton flavour violation in the $\mu^+ \rightarrow e^+e^-e^+$ decay channel. The Phase-I goal of the experiment will utilise an intense DC muon beam of up to $10^8 \mu^+/s$ with a goal of pushing the single-event sensitivity down to 2×10^{-15} on the branching ratio. Achieving this goal necessitates a complex system consisting of an ultra-light tracking system for excellent momentum resolution, fast scintillating detectors for sub-ns time resolution, and a high-rate continuous data acquisition system. The experiment successfully carried out a commissioning run in Summer 2025 with a minimal configuration setup, while preparing for physics data-taking in 2027. This contribution will report on preliminary results from the 2025 commissioning campaign, the current status and activities for the 2026 beamtime, in preparation for the upcoming planned physics run.

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