

# Muon linac for the muon g-2/EDM experiment at J-PARC

*Thursday, November 14, 2024 1:00 PM (1h 30m)*

The muon g-2/EDM experiment at J-PARC (E34) aims to measure muon g-2 and EDM with unprecedented low-emittance muon beam realized by acceleration of thermal muons. The muon linac accelerates muons from thermal energy (25 meV) to 212 MeV with electro-static extraction and four different radio-frequency cavity: RFQ, IH-DTL, DAW-CCL, and disk loaded structure. We succeeded in accelerating muons using the radio-frequency accelerator for the first time, and are now fabricating actual acceleration cavities. In this talk, current status of the developments of will be presented.

## Paper submission Plan

Yes

## Best Presentation

No

## Contribution track

ICABU WG1. Accelerator Systems

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