

## Status of the Muon $g-2$ /EDM experiment at J-PARC

*Friday, August 5, 2022 2:50 PM (30 minutes)*

The muon  $g-2$ /EDM experiment at J-PARC (E34) aims to measure muon  $g-2$  and EDM with a low-emittance muon beam realized by the acceleration of thermal muons. Together with other novel techniques, the experiment measures muon  $g-2$  in a different approach from FNAL. The technical design of the experiment has been completed, and the budget is being requested to start the data taking in 2027. In the first phase, the measurement of  $g-2$  with a precision of 0.45 ppm is expected in two years of data acquisition. The statistically limited accuracy of 0.1 ppm is the final goal. In this talk, developments and the current status of the experiment will be presented.

### Attendance type

Virtual presentation

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