

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

*Tuesday, 16 August 2022 17:10 (25 minutes)*

The Muon  $g-2$ /EDM experiment at J-PARC (E34) aims to measure muon  $g-2$  and EDM with different approach from FNAL and BNL Muon  $g-2$  experiments. The technical design of the experiment has been completed, and construction of the experiment has started. 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. Novel techniques and progress of the experiment are presented.

### Category

talk

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