

## Status of the Fermilab Muon g-2 experiment

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Previous Muon g-2 experiment at BNL measured the anomalous magnetic moment of muon which is  $\approx 3\sigma$  away from the Standard Model value. The Fermilab Muon g-2 Collaboration started commissioning runs with an upgraded version of the storage ring. In the first phase, the new experiment aims 4 times more sensitivity thanks to several improvements including muons statistics, pileup reduction, gain changes, lost muons and coherent betatron oscillations. A physics run with significant statistics is expected to take place in 2018.

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