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The New Muon g-2 Experiment at Fermilab

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The measurement of the anomalous magnetic moment of the muon provides a test of the standard model and a handle on physics beyond the standard model. There is currently a three sigma discrepancy between theory and experiment. With 20 times the statistics and a factor of four improvement in the systematic errors, a new experiment at Fermilab aims to resolve this difference. I will present the current status of the experiment and show results from recent beam tests of the calorimeter and the tracker.

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