

New Trends in High-Energy Physics



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The muon g-2 experiment at Fermilab

The new muon g-2 experiment at Fermilab has just reached the end of the first year of data taking and will continue to run for at least 2 more years. The previous measurement with a precision of 540ppb made at BNL had a discrepancy of 3.6 sigma with the theoretical prediction. The new experiment aims to improve the measurement precision by a factor 4 to 140ppb.

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