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Experimental Summary: Performance and systematics from the g-2 experiment at FNAL

Saturday, July 8, 2017 10:00 AM (30 minutes)

We present the most recent data from the engineering run at FNAL of the new g-2 experiment. The method of extracting the anomalous magnetic moment is summarized and the improvements implemented in the new experimental beam delivery, storage ring, detectors and analysis techniques are discussed. The current understanding of the systematics from the experiment and theory are presented together and the expected sensitivity to BSM physics is discussed.

Experimental Collaboration

muon g-2 at Fermilab

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Session Classification: Flavour and symmetries

Track Classification: Flavour Physics and Fundamental Symmetries