



Contribution ID: 708

Type: **Parallel Talk**

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

*Saturday, 8 July 2017 10:00 (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

**Primary author:** Dr BEDESCHI, Francco (INFN)

**Presenter:** Prof. LANCASTER, Mark (University College London (UK))

**Session Classification:** Flavour and symmetries

**Track Classification:** Flavour Physics and Fundamental Symmetries