CU Physics Department Colloquium

Monday, September 24, 2007 4:15 PM 428 Pupin Hall

Presented By: Ernst Sichterman

Lawrence Berkeley National Laboratory

"Muon g-2"

The magnetic moments and g-values of particles have played important roles in the development of modern physics.
The Muon g-2 Collaboration has measured the anomalous magnetic moments of the positive and negative muon to relative uncertainties of 0.7 parts per million. At this level of uncertainty the measurement is sensitive to all Standard Model interactions and places stringent constraints on speculative extensions.
I will introduce the topic, describe the measurements, and will discuss recent developments and prospects.

Hosted by Emlyn Hughes