Contribution ID: **94** Type: **Oral**

# Fundamental physics with muons

*Monday 9 September 2013 09:35 (30 minutes)*

I will review applications of the muon as a probe for new phenomena.
Topics to be discussed include the free muon decay and the
determination of the Fermi constant; using muonic atoms to measure
nuclear form factors and radii, through spectroscopy and capture; the
anomalous magnetic moment of the muon; and searches for charged lepton flavor violation such as mu->e+gamma, mu->3e, and the muon-electron conversion.

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**Session Classification:** Mo - 1