

Wits ICPP/iThemba LABS SEMINAR in Particle Physics

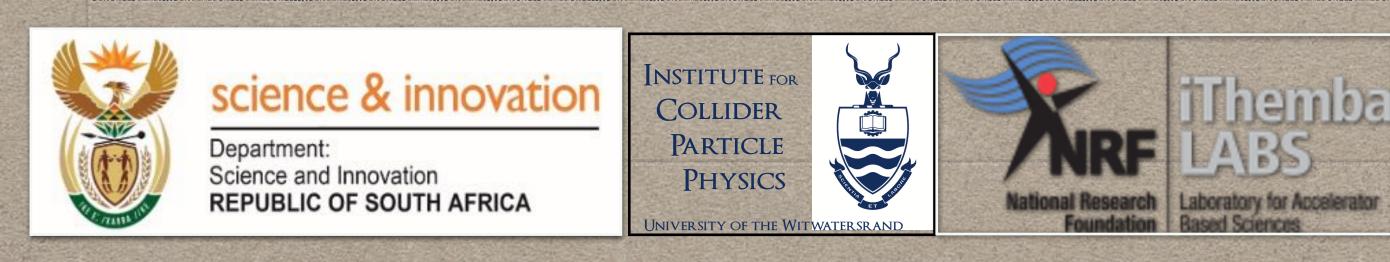
New results from the Muon g-2 experiment at Fermilab

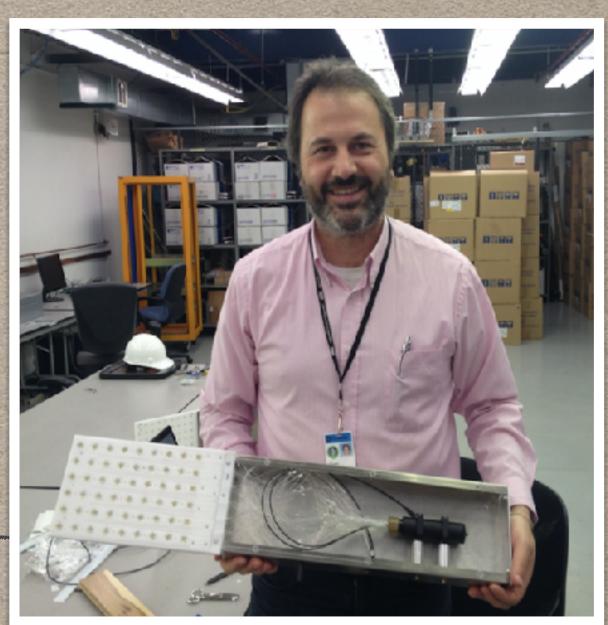
Zoom link

Wednesday 30 June 2021 14:30 - 15:30 SAST (CET) Meeting ID: 626 9233 5383 Passcode: 118966

Abstract:

At the beginning of 2000's the E821 experiment at Brookhaven (USA) has An exceptional physicist who has worked on Muon g-2 and measured the anomalous magnetic moment of the muon (known also as muon related experiments for many years and also brings a very g-2) with a precision of 0.54 parts per million, finding a discrepancy of about compassionate, empathetic element to the scientific leadership. The Muon g-2 experiment's collaborators have elected Graziano three standard deviations with the theoretical prediction of the Standard Venanzoni, a physicist at the Italian National Institute for Nuclear Model. This longstanding discrepancy is one of the most intriguing hints of Physics, Pisa, to serve as their new co-spokesperson effective new physics in particle physics. In order to understand this discrepancy a new Sept. 1. Venanzoni succeeds University of Manchester's Mark Muon g-2 experiment has been approved at Fermilab (USA) and started Lancaster, who has completed his two-year term as cotaking data in 2018. We will report the first results of the new Muon g-2 spokesperson of the experiment. Experiment at Fermilab which measured the muon g-2 with a precision Venanzoni joined the Muon g-2 collaboration in 2009. He also slightly better than the BNL one.





rof. Graziano Venanzoni

participated in the KLOE experiment at the INFN Frascati National Laboratory in Italy from 1994 to 2012. That experiment was devoted to studying the decay of phi mesons.

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