



CERN Joint EP/PP Seminars

SPEAKER: Michel Davier (LAL-Orsay)

TITLE: **New BaBar results on $e^+ e^- \rightarrow \pi^+ \pi^-$ and the muon magnetic moment**

DATE: Tue 22/09/2009 16:30

PLACE: Main Auditorium**

ABSTRACT

A new precise measurement of the $e^+ e^- \rightarrow \pi^+ \pi^-$ cross section using the Initial State Radiation method has just been released by the BaBar Collaboration. This analysis presents several advantages over previous determinations. The new data has a strong impact on the calculation of the contribution from hadronic vacuum polarization to the Standard Model prediction of the muon magnetic moment. The state of the comparison with the direct measurement will be discussed.

Organised by: Maria Spiropulu / PH-EP-----

** Tea and Coffee will be served at 16:00