



CERN Joint EP/PP Seminars

SPEAKER: Riccardo CENCI (Pisa University)
TITLE: **Search of exotic new Physics in BaBar**
DATE: Tue 13/01/2009 16:30
PLACE: Main Auditorium**

ABSTRACT

We present some of the most recent results for the search of new physics using the data collected by BaBar experiment. Lepton flavour violating Tau decay channels are one of the most interesting test for many extensions of the Standard Model and B-factories are pushing the upper limits on those channels down to $1e-8$, allowing to constrain the parameter phase space for those extensions. New low-mass invisible scalar particles can be discovered looking at the recoil against a single photon in the $Y(3S)$ events collected in the last months of BaBar operation. In addition, we show also the results for the test of CPT invariance in B-mixing by studying the mixing asymmetry as a function of the sidereal day.