

CP3 Lunch - Improvements in radiative Kaon decays and consequences on New Physics - Mr. Philippe Mertens

Wednesday 22 February 2012 from **13:00** to **14:00** (Europe/Brussels)
at Cyclotron (1-3rd floor-E.349 - Seminar room (E.349))

Description We will start by a brief motivation on the relevance of radiative Kaon decays for New Physics (NP) indirect detection and an introduction to the basic concepts of Chiral Perturbation Theory. Then, we will focus on new Long Distance improvements made in $K \rightarrow \pi \pi \gamma$ and $K \rightarrow \gamma \gamma$ which make them efficient probes to look for NP effects. Eventually, we will illustrate how radiative (and rare) Kaon decays could constrain some generic NP model.

