



ID de Contribution: 28

Type: **Ordinary**

The New Frontier in $b \rightarrow s$ penguin decays

dimanche 3 mars 2013 18:00 (15 minutes)

I will discuss the recent developments in the phenomenology of the decay $B \rightarrow K\ell\ell$. *Its angular distribution leads to a set of theoretically clean observables. Current analyses by the LHCb collaboration are focusing on these observables, and will lead to very precise measurements due to the large statistics collected. Besides being theoretically clean, these observables are very sensitive to physics beyond the SM. I will show that, within a time frame of one year, the $B \rightarrow K\ell\ell$ decay will either 1) reveal NP, or 2) set the strongest constraints up to date on NP in magnetic and semileptonic $b \rightarrow s$ operators.*

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Classification de Session: Heavy Flavours

Classification de thématique: Theory