



# LHC Seminar

SPEAKER: Urs Langenegger (PSI Zurich)  
TITLE: **Search for  $B_d/B_s \rightarrow \mu \mu$  in CMS**  
DATE: Tue 28/02/2012 11:00  
PLACE: Main Auditorium

## ABSTRACT

The decays  $B_s^0 \rightarrow \mu^+ \mu^-$  and  $B^0 \rightarrow \mu^+ \mu^-$  provide strong sensitivity to models of new physics. We report a search for these rare decays with the CMS experiment at the LHC, performed in  $pp$  collisions at  $\sqrt{s} = 7, \text{TeV}$ , with a data sample corresponding to an integrated luminosity of  $4.9, \text{fb}^{-1}$ .