



# LHC Seminar

SPEAKER: Manuel Tobias Schiller (NIKHEF (NL))  
TITLE: **Gamma measurements in Bs->DsK and other tree-level decays**  
DATE: Tue 12/08/2014 11:00  
PLACE: Council Chamber

## ABSTRACT

The angle  $\gamma$  is the least constrained parameter in the CKM unitarity triangle. Its determination in decays induced by tree-level  $b \rightarrow u$  transitions is largely unaffected by potential new physics contributions. This allows for a consistency check of the unitarity triangle, but also of comparisons with  $\gamma$  determinations from modes with loop-diagrams. We present here a new precise determination of  $\gamma$  using a time-dependent flavour-tagged analysis of  $B \rightarrow D K$  decays with the LHCb experiment. New developments in flavour<sup>s</sup> tagging are presented.