



Contribution ID: 621

Type: **Parallel Talk**

## Time-dependent measurements of the CKM angle $\gamma$ at LHCb

*Thursday, July 6, 2017 5:15 PM (15 minutes)*

The CKM angle  $\gamma$  is the least well-known angle of the unitarity triangle, and the only one easily accessible at tree level. Important constraints on  $\gamma$  are obtained from time dependent analysis of flavour-tagged  $B_s \rightarrow D_s K$  decays, and the latest results using the full LHCb Run 1 dataset are presented here. The ultimate goal of degree level precision for  $\gamma$  requires exploitation of all possible channels and techniques, and the results of related time-dependent analyses of B meson decays with  $\gamma$  sensitivity,  $B \rightarrow D\pi$  and  $B \rightarrow D_s^* K$ , will be presented.

### Experimental Collaboration

LHCb

**Presenter:** HILL, Donal (University of Oxford (GB))

**Session Classification:** Flavour and symmetries

**Track Classification:** Flavour Physics and Fundamental Symmetries