



ID de Contribution: 8

Type: YSF (Young Scientists Forum)

## Study of the decay $B^+ \rightarrow K^+ \pi^0$ at LHCb

*vendredi 20 mars 2015 19:45 (5 minutes)*

The capability of LHCb to measure the  $B^+ \rightarrow K^+ \pi^0$  decay mode is investigated. Analysis techniques are developed to overcome the significant challenges facing measurements of this mode and other decay channels with similar topologies. Evidence of the decay is reported for the first time at a hadron collider, and prospects for measurements made with data from Run II of the LHC are presented.

**Auteur principal:** ANDREWS, Jason (University of Maryland)

**Orateur:** ANDREWS, Jason (University of Maryland)

**Classification de Session:** Young Scientist Forum 4

**Classification de thématique:** Experiment