

DISCRETE '08: Symposium on Prospects in the Physics of Discrete Symmetries



Contribution ID: 18

Type: **not specified**

Commissioning and early LHCb Results

Monday 15 December 2008 18:20 (20 minutes)

The LHCb experiment is designed to perform precision measurements of CP violation and rare decay searches in the B sector. All subdetectors have been installed and are ready to exploit first data from CERN's Large Hadron Collider. The very first data collected with a minimal interaction trigger should allow the space alignment of the detector to be performed, once enough tracks have been reconstructed. Then, when energy and momentum scales have been calibrated, the particle identification will be commissioned. The trigger will also be commissioned ready for data-taking in 2009, when LHCb's nominal luminosity should be reached and the full physics programme deployed. First measurements comprise inclusive particle production, where final states containing a pair of oppositely charged muons (e.g. J/ψ production) will be isolated. We will report on the status of the LHCb experiment and progress made towards first physics measurements.

Author: GALLAS, Abraham (CERN)

Presenter: GALLAS, Abraham (CERN)

Session Classification: Parallel Session A. CP violation in the SM and beyond-IV

Track Classification: Experimental Prospects