

## **LHCb's potential in D0 mixing and CP violation**

*Monday 6 April 2009 17:15 (15 minutes)*

LHCb has great potential for making important measurements in the charm sector. The core of this programme includes the precise measurements of the mixing parameters in D0-D0bar oscillations and the search for CP-violation in D-decays. The talk will present the results of MC studies which quantify LHCb's potential sensitivity in this area. Discussion will also be given to the RICH system, whose K-Pi discrimination power is critical in the charm analysis.

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