IOP Institute of Physics 2013 High Energy and Astro Particle Physics

Contribution ID: **53** Type: **not specified**

Model dependent measurement of charm mixing and CPV parameters in prompt D0->KShh decays at LHCb

Tuesday 9 April 2013 09:33 (12 minutes)

We present a model dependent technique for measuring the charm mixing and CPV parameters in prompt D0->KShh decays using 1fb-1 of data collected by LHCb detector during 2011. The complete analysis uses two techniques to extract the mixing parameters; a model dependent and a model independent, as one provides a systematic cross check of the other. This analysis is unique in its ability to access the relative sign of the mixing parameters and will be a flagship analysis of the LHCb upgrade.

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Session Classification: Track 3

Track Classification: Parallel Track 3