

Charmonium production at LHCb: search strategy with $p\bar{p}$ final state

Tuesday 12 April 2011 15:00 (25 minutes)

We propose to investigate the charmonium production and spectroscopy using their decays to $p\bar{p}$ final state at LHCb. The yield of $J/\psi \rightarrow p\bar{p}$ is estimated to be about 60 events/ pb^{-1} at $\sqrt{s} = 7$ TeV, which should be achieved soon. We will also discuss a potential re-discovery of the h_c state at LHCb using the $p\bar{p}$ final state.

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