

Measurement of Bs and Y(5S) Decays with Belle

Thursday 5 July 2018 14:00 (20 minutes)

The branching fraction of the decay $B_s \rightarrow D_s X$ has been measured by Belle and other experiments, but with indirect methods which have model-dependent limitations. We report a direct measurement of this decay by tagging one B_s from $Y(5S)$ with semi-leptonic decay ($B_s \rightarrow D_s l \nu$), where several D_s decay modes are combined to increase the total statistics. We also report a search for η and η' transitions from $Y(5S)$ resonance to the lower bottomonia. These results are based on data sample of 121 /fb collected at the $Y(5S)$ resonance by the Belle detector at the KEKB asymmetric-energy $e^+ e^-$ collider. Other analyses on B_s and $Y(5S)$ decays are also covered in this talk.

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