



Contribution ID: 300

Type: **Parallel contribution**

## Updated Measurement of $B(B_s \rightarrow D_s^{(*)+} D_s^{(*)-})$ and Determination of $\Delta\Gamma_{CP}$

*Thursday, 11 August 2011 11:14 (20 minutes)*

Using fully reconstructed  $B_s$  mesons, we measure the branching fractions for the decays of  $B_s \rightarrow D_s^{(*)+} D_s^{(*)-}$  exclusively. Assuming these decay modes saturate decays to CP-even final states, the branching fraction determines the relative width difference between the CP-odd and CP-even  $B_s$  states. The results are based on a data sample collected with the Belle detector at the  $\Upsilon(5S)$  resonance with an integrated luminosity of  $122 \text{ fb}^{-1}$  at the KEKB asymmetric-energy  $e^+e^-$  collider.

**Primary author:** Ms ESEN, Sevda (University of Cincinnati)

**Presenter:** Ms ESEN, Sevda (University of Cincinnati)

**Session Classification:** Heavy Flavor Physics

**Track Classification:** Heavy Flavor Physics (bottom, charm, tau)