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## Strange Beauty and other Beasts from $\Upsilon(5S)$ at Belle

*lundi 8 mars 2010 19:05 (15 minutes)*

The B-factories have successfully exploited the unique advantages of the  $\Upsilon(4S)$  resonance to study many aspects of the  $B_d$  and  $B_u$  mesons.

The  $\Upsilon(10860)$  resonance, also known as  $\Upsilon(5S)$ , which is above mass threshold for the  $B_s$  and shares many of the same advantages, has been relatively unexplored. The Belle experiment has collected more than  $120 \text{ fb}^{-1}$  at the  $\Upsilon(10860)$  and  $7.9 \text{ fb}^{-1}$  at higher energies, corresponding to more than 10 million  $B_s$  events. Recent results based on  $\sim 20\%$  of these data will be presented, and prospects for future possibilities will be discussed.

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**Classification de Session:** Flavour Physics

**Classification de thématique:** Experiment