

Measurement of the $e^+e^- \rightarrow BsX$ cross section in the energy range from 10.63 to 11.02 GeV

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Studies of the e^+e^- annihilation into open-bottom final states are very important for understanding of the properties and nature of the bottomonium and bottomonium-like states. We report the first measurement of the inclusive $\sigma(e^+e^- \rightarrow b\bar{b} \rightarrow DsX)$ and $\sigma(e^+e^- \rightarrow b\bar{b} \rightarrow D0X)$ cross sections in the energy range from 10.63 to 11.02 GeV. Based on these results, we determine $\sigma(e^+e^- \rightarrow BsX)$ in the same energy range. The achieved accuracy in $\sigma(e^+e^- \rightarrow BsX)$ is much higher than in the method with a full reconstruction of one Bs meson. The results are obtained using the data collected with the Belle detector at the KEKB asymmetric-energy e^+e^- collider.

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