

Abstract Submitted
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Measurement of the Branching Fractions for $B_s^0 \rightarrow J/\psi \phi$ and $B_s^0 \rightarrow J/\psi K_S^0$ at the $\Upsilon(5S)$ Resonance KAZI SAYEED¹, ALAN SCHWARTZ², University of Cincinnati, UNIVERSITY OF CINCINNATI COLLABORATION³, BELLE COLLABORATION⁴ — We measure the branching fractions for $B_s^0 \rightarrow J/\psi \phi$ and $B_s^0 \rightarrow J/\psi K_S^0$ decays using 23.5 fb^{-1} of data collected on the $\Upsilon(5S)$ resonance by the Belle detector at the KEKB asymmetric energy e^+e^- collider. The J/ψ candidates are reconstructed from both e^+e^- and $\mu^+\mu^-$ pairs; ϕ candidates are reconstructed from K^+K^- pairs; and K_S^0 candidates are reconstructed from $\pi^+\pi^-$ pairs.

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