Measurement of branching fractions for $B^0_s \to J/\psi\phi$ and $B^0_s \to J/\psi K^0_s$ decays at $\Upsilon(5S)$

KAZI SAYEED$^1$, ALAN SCHWARTZ$^2$, University of Cincinnati, BELLE COLLABORATION$^3$. — We measure the branching fractions for $B^0_s \to J/\psi\phi$ and $B^0_s \to J/\psi K^0_s$ decays using a $\sim 23.5 \, fb^{-1}$ data sample collected on the $\Upsilon(5S)$ resonance by the Belle detector at the KEKB asymmetric energy $e^+e^-$ collider. The $J/\psi$ candidates are reconstructed from both $e^+e^-$ and $\mu^+\mu^-$ pairs; $\phi$ candidates are reconstructed from $K^+K^-$ pairs and $K^0_s$ candidates from $\pi^+\pi^-$ pairs.

$^1$Graduate Student
$^2$Supervisor
$^3$KEK, Japan