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Measurement of Γ_s and $\Delta\Gamma_s$ from $B_s^0 \to J/\psi\phi$ at CDF LOUISE OAKES, University of Oxford, CDF COLLABORATION — We measure the mean lifetime, $\tau_s = 2/(\Gamma_L + \Gamma_H)$, and the width difference, $\Delta\Gamma_s = \Gamma_L - \Gamma_H$, of the light and heavy mass eigenstates of the B_s^0 meson in $B_s^0 \to J/\psi\phi$ decays. The analysis is based on ~ 4 fb^{-1} of $p\bar{p}$ collisions collected with the CDF II detector at the Fermilab Tevatron.

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