Abstract Submitted for the APR05 Meeting of The American Physical Society

Preliminary lifetime measurement of the $B^0_s \to D_s \mu X$ decay channel MARCO CARRASCO-LIZARRAGA, CINVESTAV, Mexico, DZERO COLLABORATION — From February 2002 to August 2004, the DØ detector has collected about 400 pb⁻¹ of high quality $p\bar{p}$ interactions. Using this data, we have reconstructed over 5000 $B^0_s \to D_s \mu X$ ($D_s \to \phi \pi$) decays, one of the largest samples of B^0_s candidates in the world. Using this sample, we present a measurement of the B^0_s lifetime that is competitive with the world average lifetime. Published lifetime results of exclusive decays $B^0_s \to J/\psi \phi$ and $\Lambda^0_b \to J/\psi \Lambda_0$ are also covered.

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Date submitted: 12 Jan 2005 Electronic form version 1.4