

Abstract Submitted  
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**Measurement of the  $B_s^0$  Meson Lifetime with the CDF II Detector** AMANDA DEISHER, University of California at Berkeley, CDF COLLABORATION — We present a measurement of the  $B_s^0$  meson lifetime using fully and partially reconstructed hadronic decays  $B_s^0 \rightarrow D_s^- \pi^+(X)$  followed by  $D_s^- \rightarrow \phi \pi^-$ . The data sample was recorded with the CDF II detector at the Fermilab Tevatron and corresponds to an integrated luminosity of  $1.3 \text{ fb}^{-1}$  from  $p\bar{p}$  collisions at  $\sqrt{s} = 1.96 \text{ TeV}$ .

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