## Abstract Submitted for the SES06 Meeting of The American Physical Society

Search for Sub-Threshold J/psi Photoproduction<sup>1</sup> PARIKSHIT JUNNARKAR<sup>2</sup>, Mississippi State University — We present results from the recent Jefferson Lab experiment E03-008: "Sub-threshold J/ $\psi$  Photoproduction." A beam of 6 GeV electrons was impinged on a thick carbon target and lepton pairs were detected in two magnetic spectrometers in Hall C. The kinematics were sub-threshold to production from a free proton, so the experiment probed the short distance configuration in the nucleus, where one expects sensitivity to higher twist effects (such as three-gluon exchange), intrinsic charm contributions, and possible multi-quark resonances involving charmed quarks. An upper bound for the cross section near threshold will be presented.

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