Abstract Submitted
for the APR08 Meeting of
The American Physical Society

Photon + Heavy Flavor Jet Production at D0 DANIEL DUGGAN, Florida State University, D0 COLLABORATION — A measurement of photon + b jet production is presented using about 1 fb $^{-1}$ of data collected by the D0 detector at the Tevatron p pbar collider at a center-of-mass energy of 1.96 TeV. Isolated photons are selected in the rapidity range of $0 < |y| < 1.0$ and the jets are selected using the D0 Midpoint Cone Algorithm in the rapidity ranges $0 < |y| < 0.8$ or $1.5 < |y| < 2.5$. The measurement is expected to help constrain the understanding of the b quark content of the proton.

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Date submitted: 07 Jan 2008 Electronic form version 1.4