

Abstract Submitted
for the APR06 Meeting of
The American Physical Society

Search for the rare decays $B \rightarrow \rho\gamma$ and $B^0 \rightarrow \omega\gamma$ KARSTEN KOENEKE, Massachusetts Institute of Technology, BABAR COLLABORATION — Rare B decays that follow a $b \rightarrow d\gamma$ transition are sensitive to the ratio $|V_{td}/V_{ts}|$ and are a promising probe for new physics. Decays of this type are most easily accessible through the rare decays $B \rightarrow \rho\gamma$ and $B^0 \rightarrow \omega\gamma$. We present preliminary results of a search for these decays in a sample of approximately 300 million $B\bar{B}$ pairs collected with the BaBar detector at the PEP-II asymmetric-energy B Factory at SLAC.

James Olsen
Princeton University

Date submitted: 05 Jan 2006

Electronic form version 1.4