

Abstract Submitted
for the APR05 Meeting of
The American Physical Society

Measurement of the Decay Rate and Form Factor Parameters of the Decay $K_L \rightarrow e^+e^-\gamma$ ¹ MICHAEL WILKING, University of Colorado - Boulder, KTeV COLLABORATION — We present a measurement of the branching ratio, $\text{BR}(K_L \rightarrow e^+e^-\gamma)$, using data from the 1997 run of the KTeV (E799) experiment at Fermilab. We also report a measurement of the $K_L \rightarrow \gamma^*\gamma$ form factor using the parametrizations by Bergström Massó Singer (BMS) and by D'Ambrosio Isidori Portolés (DIP). Our result is a factor of 13 improvement in statistics over the previous most precise result.

¹The KTeV Collaboration

Michael Wilking
University of Colorado - Boulder

Date submitted: 14 Jan 2005

Electronic form version 1.4