

Abstract Submitted
for the APR07 Meeting of
The American Physical Society

Delta Radiative Decays in the MiniBooNE Experiment LAURA GLADSTONE, Columbia University, MINIBOONE COLLABORATION — The rare radiative decay of the delta baryon is of particular interest to the MiniBooNE experiment because of its similarity to the $\nu_\mu \rightarrow \nu_e$ oscillation signal. The method of boosting decision trees to form a powerful identifying committee from several weak identifiers is discussed and applied to identifying delta radiative decays. Application of this analysis to the MiniBooNE oscillation data is discussed.

Laura Gladstone
Columbia University

Date submitted: 05 Jan 2007

Electronic form version 1.4