

Abstract Submitted  
for the APR06 Meeting of  
The American Physical Society

**Neutrino Cross Sections at MiniBooNE** ZELIMIR DJURCIC<sup>1</sup>,  
Columbia University — The MiniBooNE (Booster Neutrino Experiment) neutrino  
oscillation experiment collected the world's largest sample of charged current quasi-  
elastic, charged current  $\pi^+$ , and neutral current  $\pi^0$  events in 0.1 to a few GeV  
region. The data are used to measure neutrino cross section on carbon. The results  
are important to understanding the event rates and backgrounds in the oscillation  
analysis. A summary of the cross section studies will be presented.

<sup>1</sup>(for the MiniBooNE Collaboration)

Zelimir Djurcic  
Columbia University

Date submitted: 13 Jan 2006

Electronic form version 1.4