

Abstract Submitted  
for the APR06 Meeting of  
The American Physical Society

**Neutrino Neutral Current Cross Section Measurement in NOMAD** QUN WU, Univ. of South Carolina, USC-HEP/NOMAD TEAM — Current and future neutrino oscillation experiments (eg NOvA) require a much better understanding of the neutrino neutral current cross section. NOMAD, a former neutrino oscillation experiment, has the largest high resolution neutrino nucleon scattering data sample available. The effort towards this cross section measurement will be presented, in particular the likelihood method used to select the neutral current events.

Qun Wu  
Univ. of South Carolina

Date submitted: 13 Jan 2006

Electronic form version 1.4