

Abstract Submitted
for the APR16 Meeting of
The American Physical Society

Neutrino-Nucleon Interactions and Lattice QCD RICHARD HILL,
U Chicago, ANDREAS KRONFELD, Fermilab, AARON MEYER¹, U Chicago —
We address techniques to make the theoretical underpinning of neutrino-nucleon
scattering more robust. We see this foundation as a necessary step to disentangle fun-
damental physics (such as neutrino oscillation parameters) from nuclear effects. We
address a reanalysis of old experiments with elementary targets, model-independent
parametrizations of nucleon form factors based on analyticity, and lattice QCD cal-
culations of the form factors.

¹speaker

Andreas Kronfeld
Fermilab

Date submitted: 08 Jan 2016

Electronic form version 1.4