**Physics Seminar**

**Flavio Cavanna**

**Fermi National Accelerator Facility**

*“Detection of back-to-back proton pairs in Charged-Current neutrino interactionswith the ArgoNeuT detector in the NuMI low energy beam line at FERMILAB"*

Abstract

*Short range nucleon-nucleon correlations in nuclei (NN SRC) carry important information on nuclear structure and dynamics. NN SRC have been extensively probed through two-nucleon knock-out reactions in both electron and pion scattering experiments. I report here on the detection of two-nucleon knock-out events from neutrino and anti-neutrino interactions and discuss their topological features as possibly involving NN SRC content in the target Argon nuclei.*

**Friday, January 23, 2015**

**11:00 am**

**CEBAF Auditorium**