



Department of Physics Colloquium

May 3, 2021



3:00 PM

Graduate Student Reports

**Measuring the Neutron Spin Asymmetry A_1^n in the
Valence Quark Region in Hall C at Jefferson Lab**

Melanie Rehfuss

Faculty Advisor: Prof. Nikos Sparveris

New Technology to Mitigate $PM_{2.5}$ Air Pollution

Chen Zhi

Faculty Advisor: Prof. Rongjia Tao

The Generalized Polarizabilities of the Proton

Ruonan Li

Faculty Advisor: Prof. Nikos Sparveris

**Optical absorption spectra from model
exchange-correlation (XC) kernels**

Santosh Neupane

Faculty Advisor: Prof. Adrienn Ruzsinszky

**All colloquia will be held via Zoom. Link to the Zoom
session will be provided via email and Canvas**