



VIRTUAL NEUTRON SCATTERING SCHOOL

CANADIAN NUCLEAR LABORATORIES - CHALK RIVER
NOV 30 – DEC 4, 2020

*AN INTRODUCTION TO NEUTRON SCATTERING THEORY,
PRACTICE, AND APPLICATIONS*

This school is aimed at students, post-doctoral fellows, and early-career researchers in the physical, engineering and life sciences, with little or no knowledge of neutron scattering techniques.

Principles and applications of neutron scattering: Over 17 hours of lectures on basic principles and various applications of neutron scattering techniques

Interactive experimental simulations: Over 15 hours of interactive sessions to gain experience with neutron scattering instrumentation, data collection and data analysis methods.

Other applications of neutrons: Over 3.5 hours of lectures on use of neutrons in materials irradiation and testing, isotope production, nuclear forensics and boron neutron capture therapy.

Classroom Lectures & Interactive Experimental Simulation Sessions:

- Powder Diffraction
- Reflectometry
- Strain/Stress/Texture
- Triple-Axis Spectroscopy
- Small Angle Neutron Scattering

Attendance is free of charge and open to all.

Space is limited and will be allotted on a first come-first-served basis.

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www.cnl.ca/VNSS
REGISTRATION DEADLINE: OCTOBER 30, 2020



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