

TRI-INSTITUTE SUMMER SCHOOL ON ELEMENTARY PARTICLES



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DATE: JULY 6-17, 2020

LOCATION: SNOLAB SUDBURY, ONTARIO

TOPICS:

THE STANDARD MODEL
MEASUREMENTS AT THE LHC
NEUTRINO PHYSICS
NEUTRINOLESS DOUBLE BETA DECAY
LONG BASELINE NEUTRINO MEASUREMENTS
DARK MATTER CANDIDATES
WIMP DETECTION
GEANT4 SIMULATION
STATISTICS

SPEAKERS INCLUDE:

SALLY DAWSON (BROOKHAVEN NATIONAL LABORATORY)
MICHELLE DOLINSKI (DREXEL UNIVERSITY)
STEVE ELLIOTT (LOS ALAMOS NATIONAL LAB)
DEBORAH HARRIS (YORK UNIVERSITY)
MATTHEW JOHNSON (YORK UNIVERSITY)
LOUIS LYONS (UNIVERSITY OF OXFORD)
DAVID MORRISSEY (TRIUMF)
WOLFGANG RAU (TRIUMF / MCDONALD INSTITUTE)
PEARL SANDICK (UNIVERSITY OF UTAH)

LOCAL ORGANIZING COMMITTEE:

ERICA CADEN (SNOLAB)
BLAIRE FLYNN (SNOLAB)
JETER HALL (SNOLAB)
CHRIS JILLINGS (SNOLAB)
CHRISTINE KRAUS (LAURENTIAN)
STEVE LINDEN (SNOLAB)
JENNA SAFFIN (SNOLAB)
SILVIA SCORZA (SNOLAB)
NIGEL SMITH (SNOLAB)
CURTIS ST. JEAN (LAURENTIAN)

ADVISORY COMMITTEE:

CLIFF BURGESS (PERIMETER INSTITUTE & MCMASTER)
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OLIVER STELZER-CHILTON (TRIUMF)