

TRI-INSTITUTE SUMMER SCHOOL ON ELEMENTARY PARTICLES



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TRISEP

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DATE: JULY 4-15, 2022

LOCATION: TRIUMF, Vancouver, Canada

TOPICS:

STANDARD MODEL
NEUTRINO PHYSICS
DARK MATTER
BEYOND THE STANDARD MODEL
COLLIDER PHYSICS
FUNDAMENTAL PHYSICS AT THE PRECISION FRONTIER
STATISTICS
MACHINE LEARNING FOR PARTICLE PHYSICS
PARTICLE DETECTORS
ULTRALIGHT NEW PHYSICS

SPEAKERS INCLUDE:

MU-CHUN CHEN (UC IRVINE)
MIRIAM DIAMOND (U TORONTO)
DEBORAH HARRIS (YORK U/FERMILAB)
NICK HUTLZER (CALTECH)
SEYDA IPEK (CARLETON U)
LAURA JEANTY (U OREGON)
DEAN KARLEN (U VICTORIA)
ANDREW LARKOSKI (SLAC)
MARIANNA SAFRONOVA (U DELAWARE)
IAN SHIPSEY (OXFORD U)
KAZUHIRO TERAQ (SLAC)
TIEN-TIEN YU (U OREGON)

LOCAL ORGANIZING COMMITTEE:

MATTHIAS DANNINGER (SIMON FRASER U)
DANA GIASON (TRIUMF)
MARK HARTZ (TRIUMF/IPMU)
ALISON LISTER (UBC)
CHLOÉ MALBRUNOT (TRIUMF)
DAVID MCKEEN (TRIUMF)
DAVID MORRISSEY (TRIUMF)
KATHERINE PACHAL (TRIUMF)
MARCELLO PAVAN (TRIUMF)
BERND STELZER (SIMON FRASER U)
OLIVER STELZER-CHILTON (TRIUMF)
MAX SWIATLOWSKI (TRIUMF)
ISABEL TRIGGER (TRIUMF)

ADVISORY COMMITTEE:

CLIFF BURGESS (PERIMETER INSTITUTE & MCMASTER)
ERICA CADEN (SNOLAB & LAURENTIAN)
CHRIS JILLINGS (SNOLAB & LAURENTIAN)
DAVID MORRISSEY (TRIUMF)
OLIVER STELZER-CHILTON (TRIUMF)