TRI-INSTITUTE SUMMER SCHOOL ON ELEMENTARY PARTICLES

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TRISEP

$$\mathcal{L} = -\frac{1}{4}F_{\mu\nu}F^{\mu\nu} + i\bar{\Psi}\not{D}\psi + D_\mu\Phi^\dagger D^\mu\Phi - V(\Phi) + \bar{\Psi}_L\hat{Y}\Phi\Psi_R + h.c.$$

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LOCATION: TRIUMF, VANCOUVER, BC

DATE: JULY 22 - AUGUST 2, 2019

TOPICS:
- STANDARD MODEL
- NEUTRINO PHYSICS
- BEYOND THE STANDARD MODEL
- DARK MATTER
- COLLIDER PHYSICS
- EXPERIMENTAL METHODS
- STATISTICS
- MACHINE LEARNING FOR PARTICLE PHYSICS
- GRAVITATIONAL WAVES

SPEAKERS:
- CARSTEN KRAUSS (U ALBERTA)
- DJUNA CROON (TRIUMF)
- GRACIELA GELMINI (UCLA)
- BEATE HEINEMANN (DESY/UNI FREIBURG)
- DEAN KARLEN (U VICTORIA)
- JOACHIM KOPP (CERN/UNI MAINZ)
- KENDALL MAHN (MICHIGAN STATE U)
- BEN NACHMAN (UC BERKELEY)
- ANTHONY NOBLE (QUEEN'S U/MCDONALD INSTITUTE)
- FLIP TANEDO (UC RIVERSIDE)
- SEAN TULIN (YORK U)

LOCAL ORGANIZERS:
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- DAVID MCKEEN
- DAVID MORRISSEY
- PATRICK DE PERIO
- OLIVER STELZER-CHILTON
- ISABEL TRIGGER

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