

TRI-INSTITUTE SUMMER SCHOOL ON ELEMENTARY PARTICLES



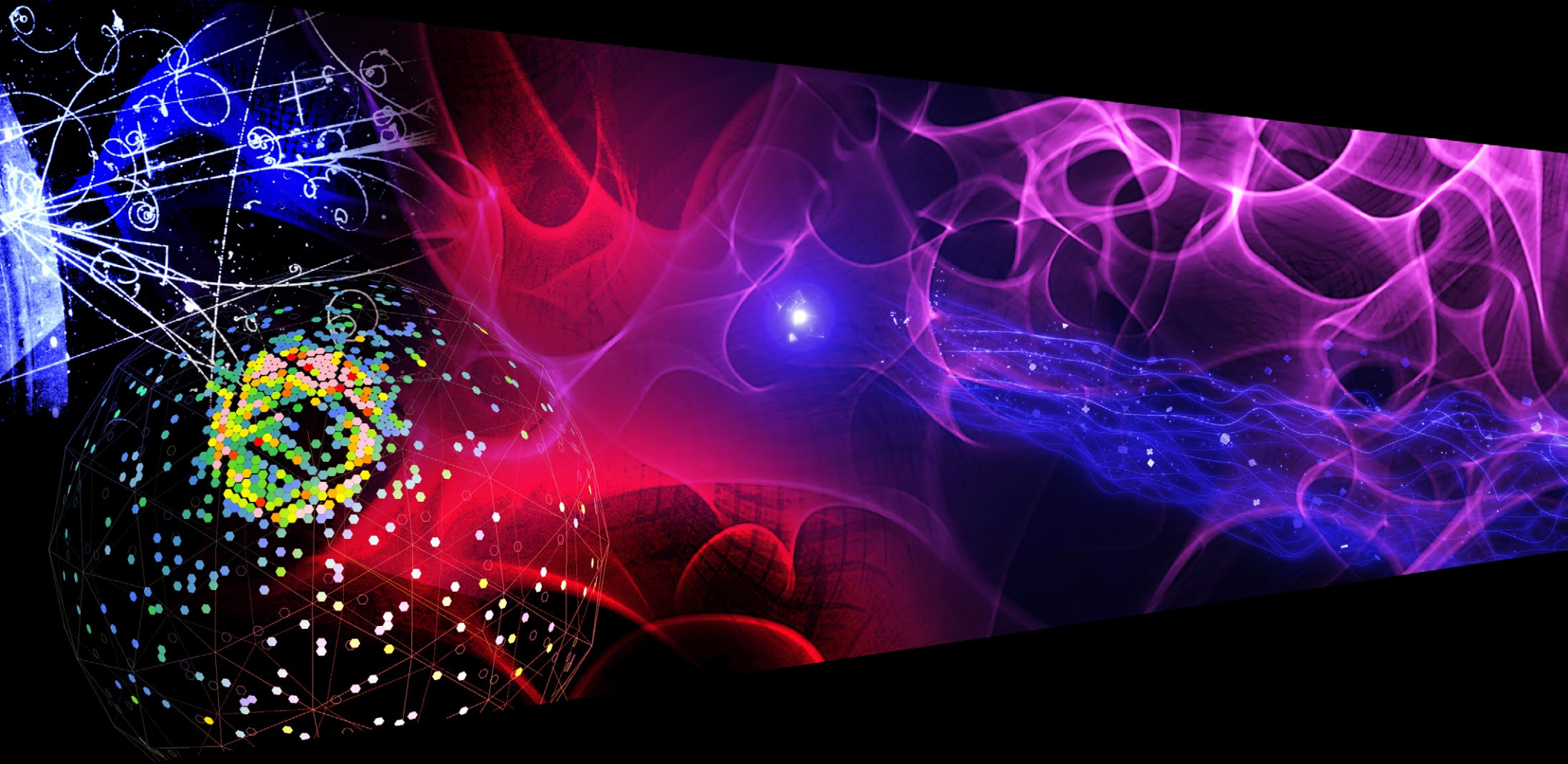
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# TRISEP

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DATE: JUNE 19-30, 2023

LOCATION: Perimeter Institute for Theoretical Physics, Waterloo, Canada



## SPEAKERS INCLUDE:

JODI COOLEY, SNOLAB

ED COPELAND, UNIVERSITY OF NOTTINGHAM

JOHN DONOGHUE, UNIVERSITY OF MASSACHUSETTS (AMHERST)

HENRIETTA ELVANG, UNIVERSITY OF MICHIGAN

DARREN GRANT, MICHIGAN STATE UNIVERSITY

LUIS LEHNER, PERIMETER INSTITUTE

JESS MCIVER, UNIVERSITY OF BRITISH COLUMBIA

NICK RODD, CERN

BRIAN SHUVE, HARVEY MUDD COLLEGE

MANUELLA VINCTER, CARLETON UNIVERSITY

TEVONG YOU, KING'S COLLEGE LONDON

LUNA ZAGORAC, PERIMETER INSTITUTE

## TOPICS:

● UNDERGROUND EXPERIMENTS

● COSMOLOGY

● EFT METHODS FOR GRAVITY

● AMPLITUDE TECHNIQUES AND EFT METHODS

● PARTICLE ASTRO OBSERVATIONS

● THEORY OF GRAVITATIONAL WAVES

● GRAVITY WAVE EXPERIMENTS

● DARK MATTER THEORY

● STANDARD MODEL THEORY

● COLLIDER EXPERIMENTS

● BEYOND THE STANDARD MODEL THEORY

● SPECIAL TOPIC: ALPS AND WHY WE ARE INTERESTED

## LOCAL ORGANIZING COMMITTEE:

ASIMINA ARVANITAKI (PERIMETER INSTITUTE)

CLIFF BURGESS (PERIMETER INSTITUTE & MCMASTER)

SERGEY SIBIRYAKOV (PERIMETER INSTITUTE)

## ADVISORY COMMITTEE:

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