

TOPICS COVERED

THE STANDARD MODEL AND BEYOND

NEUTRINO PHYSICS

HIGGS PHYSICS

DARK MATTER

TECHNIQUES FOR PARTICLE COLLIDERS

PARTICLE DETECTION METHODS

LECTURERS

Glen Cowan, Royal Holloway

Nathaniel Craig, UC Santa Barbara

Gilles Gerbier, Queen's University

Stefania Gori, University of Cincinnati

Heather Gray, CERN

Boris Kayser, Fermilab

Frank Krauss, IPP Durham

Michael Ramsey-Musolf, University of Massachusetts Amherst

Fabrice Retiere, TRIUMF

Hirohisa Tanaka, University of Toronto

Manuella Vincter, Carleton University