

GEARING UP FOR HIGH LUMINOSITY LHC

THE QUEST TO DISCOVER PHYSICS BEYOND THE STANDARD MODEL

22/3/2022

Technion, IIT, room 620

ISF research center workshop

AGENDA

10:30 – 11:00 Coffee

11:00 – 11:15 Introduction
Shlomit Tarem, Technion

11:15 – 11:40 Search for New Physics via Lepton Flavor Violation
Mattias Birman, Weizmann Institute

11:40 – 12:00 Tagging charm jets in Higgs decays
Eilam Gross, Weizmann Institute

12:00 – 12:20 Search for the Higgs to charm couplings
Guy Koren, Tel Aviv University

12:20 – 13:30 Lunch

13:30 – 13:50 Search for muon-philic forces
Shlomit Tarem, Technion

13:50 – 14:10 Search for Heavy Neutral Leptons
Avner Soffer, Tel Aviv University

14:10 – 14:30 A Data Directed Paradigm for BSM searches
Shikma Bressler, Weizmann Institute

