

Gearing up for high luminosity LHC - the quest to discover Physics beyond the Standard Model

Tuesday 22 March 2022 10:30 (4h 10m)

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 - Nilotpal Kakati, 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

14:30 –14:40 RECFA visit to Israel, November 2022 - Eliam Gross, Weizmann Institute

Presenters: SOFFER, Abi (Tel Aviv University (IL)); GROSS, Eilam (Weizmann Institute of Science (IL)); KOREN, Guy (Tel Aviv University (IL)); BIRMAN, Mattias (Weizmann Institute of Science (IL)); KAKATI, Nilotpal (Weizmann Institute of Science (IL)); BRESSLER, Shikma (Weizmann Institute of Science (IL)); TAREM, Shlomit (Technion- Israel Institute of Technology (IL))