

Session Program

21-22 Jan 2025

8th Forward Physics Facility Meeting

Parallel 1

CERN, 6/2-024 - BE Auditorium Meyrin

Tuesday 21 January

15:00

Parallel 1: New Physics Searches

Session | **Location:** CERN, 6/2-024 - BE Auditorium Meyrin | **Convener:** Tomohiro Inada

15:00–15:15

Cosmic Millicharge Background: Probing Reheating Cosmology, String Theory, and GUTs in FORMOSA & FPF

Speaker

Yu-Dai Tsai

15:20–15:35

Dark photon pair production via off-shell dark Higgs at FASER

Speaker

Yohei Nakashima

15:40–15:55

Dark Vector Splitting Functions in Proton Bremsstrahlung

Speaker

Saeid Foroughi-Abari

16:00–16:15

Discovering Light Scalars Beyond Minimal Flavor Violation

Speaker

Noam Burger

16:20–16:50

Coffee Break

16:50–17:05

FASER-2 simulation and detector design performance document

Speakers

Josh McFayden, Olivier Salin

17:10–17:25

DELIGHT and FOREHUNT: dedicated detectors at FCC-hh for light long-lived particles

Speaker

Rhitaja Sengupta

17:30–17:45

Unlocking the Inelastic Dark Matter Window with Vector Mediators

Speaker

Peter Reimitz

17:50–18:05

Exploring the LHC as a TeV Muon Beam Dump: Muonphilic Scalars at FASER

Speaker

Roshan Mammen Abraham

18:15