

Session Program

Jan 21 - 22, 2025

8th Forward Physics Facility Meeting

Parallel 1

CERN, 6/2-024 - BE Auditorium Meyrin

Tue, January 21

3:00 PM

Parallel 1: New Physics Searches

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

3:00 – 3:15 PM

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

Speaker

Yu-Dai Tsai

3:20 – 3:35 PM

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

Speaker

Yohei Nakashima

3:40 – 3:55 PM

Dark Vector Splitting Functions in Proton Bremsstrahlung

Speaker

Saeid Foroughi-Abari

4:00 – 4:15 PM

Discovering Light Scalars Beyond Minimal Flavor Violation

Speaker

Noam Burger

4:20 – 4:50 PM

Coffee Break

4:50 – 5:05 PM

FASER-2 simulation and detector design performance document

Speakers

Josh McFayden, Olivier Salin

5:10 – 5:25 PM

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

Speaker

Rhitaja Sengupta

5:30 – 5:45 PM

Unlocking the Inelastic Dark Matter Window with Vector Mediators

Speaker

Peter Reimitz

5:50 – 6:05 PM

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

Speaker

Roshan Mammen Abraham

6:15 PM