

# **ZPW2024: Particle Physics from LHC to Future Colliders**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Reception & Welcome

*Monday 8 January 2024 09:00 (40 minutes)*

Contribution ID: 2

Type: **not specified**

## **Claudia Cornella - BSM in the third generation**

*Monday 8 January 2024 09:40 (40 minutes)*

**Primary author:** CORNELLA, Claudia

**Presenter:** CORNELLA, Claudia

Contribution ID: 3

Type: **not specified**

## **Marc Riembau - Positiveness and collider phenomenology**

*Monday 8 January 2024 10:20 (40 minutes)*

**Primary author:** Mr RIEMBAU, Marc (CERN)

**Presenter:** Mr RIEMBAU, Marc (CERN)

Contribution ID: 4

Type: **not specified**

## Christoph Paus - Electroweak Precision Measurements at the FCC

*Monday 8 January 2024 15:00 (40 minutes)*

**Primary author:** PAUS, Christoph (Massachusetts Inst. of Technology (US))

**Presenter:** PAUS, Christoph (Massachusetts Inst. of Technology (US))

Contribution ID: 5

Type: **not specified**

## Andrea Wulzer - Muon Colliders

*Monday 8 January 2024 12:10 (40 minutes)*

**Primary author:** WULZER, Andrea (IFAE and ICREA – Barcelona, Spain)

**Presenter:** WULZER, Andrea (IFAE and ICREA – Barcelona, Spain)

Contribution ID: 6

Type: **not specified**

## **Juan Rojo - Proton Structure from the LHC to Future Colliders**

*Monday 8 January 2024 14:20 (40 minutes)*

**Primary author:** Dr ROJO, Juan (VU Amsterdam and Nikhef)

**Presenter:** Dr ROJO, Juan (VU Amsterdam and Nikhef)

Contribution ID: 7

Type: **not specified**

## **Silvia Ferrario Ravasio - Developments in Monte Carlo Event Generators**

*Monday 8 January 2024 11:30 (40 minutes)*

**Primary author:** FERRARIO RAVASIO, Silvia (CERN)

**Presenter:** FERRARIO RAVASIO, Silvia (CERN)



Contribution ID: 8

Type: **not specified**

# Michele Selvaggi - Higgs Precision at HL-LHC and FCC

*Monday 8 January 2024 16:10 (40 minutes)*

**Primary author:** SELVAGGI, Michele (CERN)

**Presenter:** SELVAGGI, Michele (CERN)

Contribution ID: 9

Type: **not specified**

## **Ilaria Brivio - SMEFT vs HEFT for new physics searches at the LHC**

*Monday 8 January 2024 16:50 (40 minutes)*

**Primary author:** BRIVIO, Ilaria (University & INFN Bologna)

**Presenter:** BRIVIO, Ilaria (University & INFN Bologna)

Contribution ID: **10**

Type: **not specified**

## **Stefan Weinzierl - Add a mass and make your life more complicated**

*Tuesday 9 January 2024 09:00 (40 minutes)*

**Primary author:** WEINZIERL, Stefan

**Presenter:** WEINZIERL, Stefan

Contribution ID: 11

Type: **not specified**

## Stefano Frixione - On Simulations at $e+e-$ Colliders

*Tuesday 9 January 2024 09:40 (40 minutes)*

**Primary author:** FRIXIONE, Stefano (INFN)

**Presenter:** FRIXIONE, Stefano (INFN)

Contribution ID: 12

Type: **not specified**

## **Joe Davighi - The Flavour of BSM: from LHC to future experiments**

*Tuesday 9 January 2024 10:50 (40 minutes)*

**Primary author:** DAVIGHI, Joseph Enea

**Presenter:** DAVIGHI, Joseph Enea

Contribution ID: 13

Type: **not specified**

## **Jernej Kamenik - Flavour changing Z and Higgs decays at FCC-ee**

*Tuesday 9 January 2024 13:40 (40 minutes)*

**Primary author:** F. KAMENIK, Jernej

**Presenter:** F. KAMENIK, Jernej

Contribution ID: 14

Type: **not specified**

## **Rebeca Gonzalez Suarez - The FCC project overview**

*Tuesday 9 January 2024 11:30 (40 minutes)*

**Primary author:** GONZALEZ SUAREZ, Rebeca (Uppsala University (SE))

**Presenter:** GONZALEZ SUAREZ, Rebeca (Uppsala University (SE))

Contribution ID: 15

Type: **not specified**

## **Matthew McCullough - Theory perspective on the FCC physics programme**

*Tuesday 9 January 2024 14:20 (40 minutes)*

**Primary author:** MCCULLOUGH, Matthew Philip (CERN)

**Presenter:** MCCULLOUGH, Matthew Philip (CERN)



Contribution ID: 16

Type: **not specified**

## **Sarah Williams - BSM searches at FCC**

*Wednesday 10 January 2024 09:00 (40 minutes)*

**Primary author:** WILLIAMS, Sarah Louise (University of Cambridge (GB))

**Presenter:** WILLIAMS, Sarah Louise (University of Cambridge (GB))

Contribution ID: 17

Type: **not specified**

## **David Sutherland - Future Signatures of a Non-decoupling Higgs sector**

*Wednesday 10 January 2024 09:40 (40 minutes)*

**Primary author:** SUTHERLAND, David

**Presenter:** SUTHERLAND, David

Contribution ID: **18**

Type: **not specified**

## **Peter Skands - Recent Developments in VINCIA and PYTHIA**

*Wednesday 10 January 2024 10:50 (40 minutes)*

**Primary author:** Prof. SKANDS, Peter (Monash University (AU))

**Presenter:** Prof. SKANDS, Peter (Monash University (AU))

Contribution ID: **19**

Type: **not specified**

## **Pier Monni - QCD challenges at the FCC-ee**

*Wednesday 10 January 2024 11:30 (40 minutes)*

**Primary author:** MONNI, Pier Francesco (CERN)

**Presenter:** MONNI, Pier Francesco (CERN)