

# **Prototyping at CERN**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction

*Thursday 27 March 2025 12:00 (15 minutes)*

**Presenters:** ZIMMERMANN, Dina; POULAILLON, Jimmy

Contribution ID: 2

Type: **not specified**

## Prototypes presentation

**Presenter:** POULAILLON, Jimmy

**Session Classification:** Presentation of prototypes

Contribution ID: 4

Type: **not specified**

## **Prototype 1 - Stirling cryo-cooler**

*Thursday 27 March 2025 12:15 (7 minutes)*

**Presenter:** SKURA, Oliver Alexander

Contribution ID: 5

Type: **not specified**

## Prototype 2 - FASERCal detector

*Thursday 27 March 2025 12:22 (7 minutes)*

**Presenter:** CAVANAGH, Charlotte (ETH Zurich (CH))

Contribution ID: 6

Type: **not specified**

## Prototype 3 - Barrel Timing Layer

*Thursday 27 March 2025 12:29 (7 minutes)*

**Presenter:** LYSAKOWSKA, Klaudia Izabela (University College London (UCL))

Contribution ID: 7

Type: **not specified**

## **Prototype 4 - Explainable Machine Learning models for the FASER detector**

*Thursday 27 March 2025 12:36 (7 minutes)*

**Presenter:** THOR, Simon (ETH Zurich (CH))

Contribution ID: 8

Type: **not specified**

## Prototype 5 - ALICE FoCal SiPM test stations

*Thursday 27 March 2025 12:43 (7 minutes)*

**Presenter:** MELIKYAN, Yury (Helsinki Institute of Physics (FI))



Contribution ID: 9

Type: **not specified**

## Prototype 6 - Next-generation intensity monitors

*Thursday 27 March 2025 12:50 (7 minutes)*

**Presenter:** KIRSCHBAUM, Mark Julian (CERN, Technische Universitaet Darmstadt (DE))

Contribution ID: **10**

Type: **not specified**

## **Prototype 8 - Serendipity clocks**

*Thursday 27 March 2025 13:17 (7 minutes)*

**Presenter:** CAILLIAU, Robert

Contribution ID: **11**

Type: **not specified**

## **Prototype 7 - ITk pixel module production**

*Thursday 27 March 2025 12:57 (20 minutes)*

**Presenter:** KHOMIAK, Nazarii (Tadeusz Kosciuszko Cracow University of Technology (PL))