

# Searching for long-lived particles at the LHC and beyond: Twelfth workshop of the LLP Community



Contribution ID: 50

Type: **not specified**

## MATHUSLA

*Thursday 3 November 2022 15:55 (25 minutes)*

The MATHUSLA experiment is a 100m x 100m x 25m long-lived particle detector that will be located above CMS, aiming to discover long-lived particles produced in pp collisions at IP5. The latest status of the MATHUSLA detector will be presented, including detector layout, prototyping, and sensitivity studies.

**Presenter:** RUSSELL, Heather (University of Victoria)

**Session Classification:** Dedicated LLP projects