

## **Session Program**

**1-6 Oct 2023**



# **TWEPP 2023 Topical Workshop on Electronics for Particle Physics**

## ***Radiation-Tolerant Components and Systems***

Geremeas, Sardinia, Italy  
Calaserena Village, Geremeas, Quartu S.Elena, Sardinia (Italy)

## Thursday 5 October

15:20

### Radiation-Tolerant Components and Systems

**Session** | **Location:** Sirocco Room | **Convener:** Alessandro Cardini

15:20-15:40

**Prototype measurement results in a 65nm technology and TCAD simulations towards more radiation tolerant monolithic pixel sensors**

**Speaker**

Corentin Lemoine

15:40-16:00

**Single Event Effects characterization of a commercial 28 nm CMOS technology**

**Speaker**

Giulio Borghello

16:00-16:20

**Characteristics and total ionizing dose response of 22nm Fully Depleted Silicon-on-Insulator**

**Speaker**

Mr Gennaro Termo

16:20

## Friday 6 October

09:00

### Radiation-Tolerant Components and Systems

**Session** | **Location:** Sirocco Room | **Convener:** Hucheng Chen

09:00–09:20

#### **CERN Radiation Hardness Assurance: Challenges and Solutions for Large-Scale Distributed System Exposed to High-Energy Particle Accelerator Environments**

**Speaker**

Alessandro Zimmaro

09:20–09:40

#### **CRATEBO: A High-speed, Radiation-Tolerant and Versatile Testing Platform for FPGA Radiation Qualification for High-Energy Particle Accelerator applications**

**Speaker**

Antonio Scialdone

09:40