

## **Session Program**

**17-19 Nov 2025**



# **2nd INFN School and Workshop on “High Power Lasers for Fundamental Science and Applications” (HPLA2025)**

## ***Applications***

Laboratori Nazionali del Sud - Istituto Nazionale di Fisica Nucleare , Aula "Migneco"  
Via S. Sofia, 62, 95125 Catania CT, Italy

# Tuesday 18 November

11:20

## Applications

Session |

Location: Laboratori Nazionali del Sud - Istituto Nazionale di Fisica Nucleare , Aula "Migneco", Via S. Sofia, 62,  
 95129 Catania, Italy  
 Organized by: Giada Petrigna

11:20-11:40

### Applications of multi-GeV Laser Wakefield Accelerated Electrons for Strong-Field QED Research at CoReLS multi-PW Laser Facility

Speaker

Mohammad Mirzaie

11:40-12:00

### Laser-Driven Particle Acceleration Research at Politecnico di Milano and its Applications to Cultural Heritage Studies

Speaker

Francesco Mirani

12:00-12:20

### Fire to Fusion: The Journey Toward Clean Energy

Speaker

Farmesk Abubaker

12:20-12:40

### First compact plasma-based user facilities at LNF: EuAPS and EuPRAXIA@SPARC\_LAB toward next-generation radiation sources

Speaker

Gemma Costa

12:40