

## Session Program

19-21 Oct 2026



## ICFDT8 8th International Conference on Frontier in Diagnostic Technologies

### *Precision Measurement*

Frascati, Sala Bruno Brunelli  
Building F23 Via Enrico Fermi 45, 00044 Frascati, Rome

## Tuesday 20 October

09:40

### Precision Measurement

**Session** | **Location:** Frascati, Sala Bruno Brunelli , Building F23 Via Enrico Fermi 45, 00044 Frascati, Rome

09:40–10:00

#### **Towards Four-Dimensional Particle Detection: Spatial and Temporal Precision with Gas Detectors and Emerging MPGD Technologies**

**Speakers**

Gianfranco Morello, Marco Poli Lener

10:00–10:20

#### **High-Precision Laser Ranging: From Lunar Reflectors to the GUEST Mission**

**Speaker**

Nicolò Burzillà

10:20–10:40

#### **Advanced diagnostic techniques for a 4 ppm measurement of the antihydrogen Ground-State Hyperfine Splitting in the ALPHA experiment at CERN**

**Speaker**

Germano Bonomi

10:40

11:10

### Precision Measurement

**Session** | **Location:** Frascati, Sala Bruno Brunelli , Building F23 Via Enrico Fermi 45, 00044 Frascati, Rome

11:10–11:30

#### **From Conventional to Cutting-Edge: A Journey Through Free-Electron Lasers and the Plasma Frontier**

**Speaker**

Alessio Del Dotto

11:30–11:50

#### **Diagnostic technologies in high-sensitivity experiments to detect ultra-rare events**

**Speaker**

Giovanni Mazzitelli

11:50