

## **Session Program**

**Jun 7 - 11, 2026**

### **ICDA-5**

#### ***Micro- and nanodosimetry***

Prague, Czechia, CTU in Prague, Faculty of Nuclear Sciences and Physical Engineering  
Břehová 78/7 115 19 Prague 1 Czech Republic GPS. 50.0910372N, 14.4163028E

# Mon, June 8

11:00 AM

## Micro- and nanodosimetry

**Session** | **Location:** Auditorium 115, Břehová 7, Prague 1

11:00 - 11:15 AM **AtoMiQA: A Tool for Microdosimetric Quality Assurance**

**Speaker**

Anna Bianchi

11:15 - 11:30 AM

**Three-Dimensional Analysis of Nano- and Microscale Dose Distributions in Nanoparticle-Enhanced Radiotherapy: Impact of Energy Deposition Heterogeneities on Dose Enhancement Metrics**

**Speaker**

Evan Poket

11:30 - 11:45 AM

**Microdosimetric Interpretation of the Relative Efficiency of TLD-400 Under Photon, Electron and Proton Irradiation**

**Speaker**

Jyun-Wei Jheng

11:45 AM - 12:00 PM **New microdosimeters for clinical BNCT**

**Speaker**

Anna Selva

12:00 - 12:15 PM

**Experimental and Monte Carlo characterization of linear energy transfer and lineal energy in proton therapy beams**

**Speaker**

Maria Luz Olaguibe

12:15 PM

## Tue, June 9

11:00 AM

### Micro- and nanodosimetry

**Session** | **Location:** Auditorium 115, Břehová 7, Prague 1

11:00 - 11:15 AM

#### **Silicon Telescopes and Avalanche-Confinement TEPCs for Microdosimetry in Proton Therapy**

**Speaker**

Davide Bortot

11:15 - 11:30 AM

#### **Silicon Microdosimetry for RBE Evaluation in Carbon-Ion Therapy: In-Field and Out-of-Field Measurements at CNAO**

**Speaker**

Davide Mazzucconi

11:30 - 11:45 AM

#### **Nanodosimetry, track structure-based simulations, and radiation-induced biological effects**

**Speaker**

Dr Pavel Kunderát

11:45 AM - 12:00 PM

#### **Beyond Averages: Linking Track Structures, Microdosimetry, and Spatial Features of Radiation Induced DNA Damage**

**Speaker**

Chia-Wei Huang

12:15 PM