

Session Program

26-28 Apr 2023

International workshop "Positronium - from Quantum Physics to Medical Applications"

Positronium in medical imaging

Split, Croatia

Mediterranean Institute for Life Sciences (MedILS) Meštrovićevo šetalište 45 HR – 21000 Split Croatia

Thursday 27 April

09:00

Positronium in medical imaging: Invited talks

Session |

Location: Split, Croatia, Mediterranean Institute for Life Sciences (MedILS) Meštrovićevo šetalište 45 HR – 21000 Split Croatia |

Conveners: Catalina Oana Curceanu, Prof. Ivica Friščić

09:00–09:50

Nuclear medical imaging based on entangled photon pair

Speaker

Kenji Shimazoe

09:50–10:40

Nanoparticles for theranostics with PET and MRI

Speaker

Zdenka Kuncic

10:40–11:10

Coffee break

11:10–11:50

Enhanced Positronium formation and Annihilation Localization with nano-scale magnetization

Speaker

Dr Yaser Gholami

11:50–12:30

Recent advances of positron emission tomography image reconstruction

Speaker

Dora Varnyu

12:30

15:30

Positronium in medical imaging: Contributed talks

Session |

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Convener: Damir Bosnar

15:30–16:10

Development of Compton-PET hybrid camera for multi-tracer imaging in nuclear medicine

Speaker

Mizuki Uenomachi

16:10–16:40

Development and characterization of the PET demonstrator with measurement of polarization correlations

Speakers

Ms Ana Marija Kožuljević, Dr Siddharth Parashari

16:40–17:10

Investigation of a Single-plane Compton gamma camera as a radiation imager

Speaker

Mr Om prakash Dash

17:10–17:40

Medical physics in everyday practice of nuclear medicine

Speaker

Dr Darko Grošev

17:40