

Session Program

26-28 Apr 2023

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

Positronium in fundamental investigations

Split, Croatia

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

Wednesday 26 April

10:00

Positronium in fundamental investigations: Invited talks

Session |

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

Convener: Kenji SHIMAZOE

10:00–10:50

Quest for High Energetic Entanglement from Positronium Decays: A Rigorous Study

Speaker

Beatrix Hiesmayr

10:50–11:40

Positronium imaging with modular J-PET for medical diagnostics and basic research in physics

Speaker

Pawel Moskal

11:40–12:30

Single Layer Gamma-Ray Polarimeter for Medical Imaging Applications and Fundamental Physics Research

Speaker

Mihael Makek

12:30

14:30

Positronium in fundamental investigations: Contributed talks

Session |

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

Convener: Zdenka Kuncic

14:30–15:00

An overview of basic concepts and formulas in simulations of the Compton scattering

Speaker

Petar Žugec

15:00–15:30

Investigation of decoherence of annihilation quanta

Speaker

Dr Siddharth Parashari

15:30–16:00

Measurements of the polarization of photons in ortho-positronium annihilation

Speaker

Damir Bosnar

16:00

16:30

Positronium in fundamental investigations: Future prospects**Session** |**Location:** Split, Croatia, Mediterranean Institute for Life Sciences (MedILS) Meštrovićevo šetalište 45 HR – 21000 Split Croatia |**Convener:** Mihael Makek

16:30–17:00

Search for the CP symmetry violation in the OPSVIO project**Speaker**

Prof. Ivica Friščić

17:00–17:50

Opportunities to do experiments in an underground laboratory**Speaker**

Catalina Oana Curceanu

17:50