

2nd Symposium on new trends in nuclear and medical physics

Wednesday 24 September 2025

Positronium research (09:15-10:55)

time	[id] title	presenter
09:15	[63] Direct three gamma positronium imaging and cascade gamma chemical imaging	SHIMAZOE, Kenji
09:40	[64] Development of a high-quality, energy-tunable positronium beam via photodetachment of positronium negative ions	MICHISHIO, Koji
10:05	[65] Application of Positron Annihilation Lifetime Spectroscopy in Polymer Composites	DRYZEK, Ewa
10:20	[66] Prospects for Positronium and Quantum Entanglement Imaging with J-PET	MOSKAL, Paweł
10:45	[67] First experimental demonstration of positronium lifetime imaging with the novel radionuclide ^{52}Mn using J-PET scanner	DAS , Manish

Friday 26 September 2025

Positronium research (10:50-12:40)

time	[id] title	presenter
10:50	[98] Tomasz Sowiński: Theoretical untangling of photon entanglement detection in positronium annihilation processes	SOWIŃSKI, Tomasz
11:15	[99] Preliminary tests of positronium gathering in microcavities connected to nanochannels	MARIAZZI, Sebastiano
11:40	[100] Para-positronium and beyond: probing two-photon annihilation in bound states	PIOTROWSKA, Milena
12:05	[101] Constraining CP Violation in Ortho-Positronium Decays at 7 Tesla with NeuroSphere PET Modules	ALLEN, Magdalena
12:20	[102] New precision limits on CPT symmetry test in positronium with J-PET	CHUG, Neha
12:30	[103] Measuring the degree of entanglement in matter using a plastic-scintillator PET scanner	KUMAR, Deepak