

JS2026: 6th Jagiellonian Symposium on Advances in Particle Physics and Medicine

Tuesday 07 July 2026

Quantum Entanglement in Positron Emission Tomography (10:45-12:35)

time	[id] title	presenter
10:45	[172] Quantum Entanglement of Positron Annihilation Quanta: From Exploration of Fundamental Aspects To Application In PET Imaging	MAKEK, Mihael
11:05	[173] Interaction Profiling of $\beta\gamma$ Isotopes With An Edge-On CZT-Based Imaging System: A Monte Carlo Simulation Study	ABBASZADEH, Shiva
11:25	[174] Operational Signatures of Bell Photons Beyond Polarization Filters	CARADONNA, Peter
11:45	[175] Towards Rigorous Entanglement Detection of ParaPositronium Annihilation Photons	SOWIŃSKI, Tomasz
12:05	[176] Preliminary In Vivo Mouse Imaging Study Using Quantum Entanglement-Based PET	NAKAMURA, Koki
12:20	[177] Measuring the Polarization Correlation of Annihilation Photons in e^+e^- Decays using Modular J-PET	KUMAR, Deepak