Poster Presentations at JS2026

Note: The list below is organized in alphabetical order by the presenters' first names.

1. **Aafke Christine Kraan, INFN Pisa, Italy**
   Performance of a Scintillator Detector for Particle Beam Fragmentation Measurements in Charged Particle Therapy
2. **Aleksander Khreptak, Jagiellonian University, Poland**
   The 44-Ti/44-Sc Generator: Current Status, Challenges, and Prospects
3. **Alhassan Aliyu Saad, Jagiellonian University, Poland**
   Feasibility of J-PET for In-vivo Range Monitoring in Upright Hadron Therapy: Applications to Proton Beams
4. **Ana Marija Kožuljević, Institute for Medical Research and Occupational Health, Croatia**
   Quantum Ghost Imaging with Annihilation Photons – A Monte Carlo Study
5. **Atharva Dalvi, Jagiellonian University, Poland**
   Feasibility of Measuring Polarization Correlations of Annihilation Photons from Positronium Decays with Multilayer Modular J-PET
6. **Atrayee Basu, Jagiellonian University, Poland**
   Towards the Reconstruction of Air Showers with the J-PET System
7. **Azam Zabihi, Università di Sassari and INFN, Italy**
   3dπ PET: A Novel Xenon-doped Liquid Argon–based Total-body PET Concept with Ultra-fast Timing and Low-dose Capability
8. **Bartosz Płóciennik, Jagiellonian University, Poland**
   Oxygen Microbubbles for Ultrasound-triggered Tumor Oxygenation: From Therapeutic Potential to Next-generation Nanobubble Design
9. **Bhavnesh, Jagiellonian University, Poland**
   A Geant4-based Simulation Framework for Positronium Beam Detection in Atomic-interferometry Experiments
10. **Bożena Zgardzińska, Institute of Physics, Maria Curie-Skłodowska University (UMCS), Poland**
    Positronium Diagnostic Maps
11. **Dhritman Dhar, DKFZ, Germany**
    Monte Carlo Simulation of Positronium Lifetime Imaging with Material-dependent Pick-off Annihilation and Oxygen Quenching
12. **Ermias Yitayew Beyene, Jagiellonian University, Poland**
    Simulation Study of NEMA Characteristics of Double Isotope Imaging with J-PET
13. **Everjoy Mones, Jagiellonian University, Poland**
    Development of 3D-printed Abdominal Phantom for Quality Assurance Applications
14. **Heinz Asch, Simon Fraser University, Canada**
    Positronium Imaging with the 8π Gamma-ray Spectrometer
15. **Ihor Kadenko, Taras Shevchenko National University of Kyiv, Ukraine**
    Concept of Using Secondary Neutrons to Produce ^99Mo in a Composite Target
16. **Ivica Friščić, Department of Physics, Faculty of Science, University of Zagreb, Croatia**
    Study of Azimuthal Correlations of Compton-scattered Gammas from Ortho-positronium
17. **Jakub Gauza, Voxel S.A. and University of Warsaw, Poland**
    Copper-64 Chloride as a Precursor for Modern Radiopharmaceuticals - Characterization of 64Cu-DOTATOC in NET Diagnosis

18. **Justyna Mędrala-Sowa, Jagiellonian University, Poland**

    Study of Ortho-positronium Lifetime with the Modular J-PET System

19. **Kamil Dulski, Jagiellonian University, Poland**

    Neutron Activation Analysis as a Method for Detecting Hazardous Substances - Characterization of the SABAT Sensor Capabilities Using Monte Carlo Simulations in Aquatic Environments

20. **Kamila Kasperska, Jagiellonian University, Poland**

    Studies of Attenuation Effects in Two- and Three-photon Positronium Decays in Phantom Models

21. **Karol Kubat, Jagiellonian University, Poland**

    Temperature Dependence of Ortho-positronium Lifetime in Liquid Water and Olive Oil in PALS

22. **Katsiaryna Yankova, Maria Curie-Skłodowska University (UMCS), Poland**

    From Spreadsheets to a Unified Ecosystem: A Journey of Developing a Multimodal Database for UMCS

23. **Kavya Valsan Eliyan, Jagiellonian University, Poland**

    Signal Efficiency Mapping Studies for CP Symmetry Test Using the J-PET Detector

24. **Keshab Kumar Karna, Jagiellonian University, Poland**

    Multimodal 3D Ultrasound of Pancreatic Tumour Progression and Survival

25. **Krzysztof Calik, Warsaw University of Technology, Poland**

    Controlling the Positron System of the AEGIS Experiment Using Sinara–ARTIQ Hardware–software Infrastructure and Circus–Talos Framework for Autonomous Operation

26. **Lars Maczey, RWTH Aachen University, Germany**

    Development of a Cherenkov-based Compton Camera for High-efficiency Gamma Imaging in the MeV Regime

27. **Łukasz Kapłon, Jagiellonian University, Poland**

    Optical Properties and Time Resolution of Plastic Scintillators for the Total-body J-PET Scanner

28. **Manish Das, Jagiellonian University, Poland**

    Development of Image Correction Techniques for the J-PET Scanner

29. **Marek Gorgol, Institute of Physics, Maria Curie-Skłodowska University (UMCS), Poland**

    Experimental and Methodical Irregularities in the Studying of Biological Samples Using Positron Annihilation Lifetime Spectroscopy

30. **Martyna Łopuszyńska, Maria Curie-Skłodowska University (UMCS), Poland**

    Annihilation of e+ and Ps in Blood - Linked to Blood Cancer Markers

31. **Michalina Kaźmierczak, Jagiellonian University, Poland**

    Comparative TOF-SIMS Metabolic Profiling of Diabetic Rat Liver Tissue Under Metformin and Flaxseed Mucilage Treatment

32. **Nadiia Sakhno, Taras Shevchenko National University of Kyiv, Ukraine**

    Cross-section of Bound Dineutrons Formation with Simulation of Experiments for Direct Dineutron Decay Observation

33. **Narendra Rathod, University of Bern, Switzerland**

    Prototype Development of an On-chip PET System with Dual-sided Crystal Readout for Enhanced Gamma-ray Interaction Point Localization

34. **Negin Sadeghinejad, Jagiellonian University, Poland**

    μP-PET Event Classes

35. **Neha Chug, Jagiellonian University, Poland**

    Methodology for Determining Absolute Values of the 3γ/2γ Annihilation Rate Ratio in Positronium Decays Using the Modular J-PET Detector

36. **Oksana Melikhova, Charles University, Faculty of Mathematics and Physics, Czech Republic**

    Temperature Dependence of Free Volume Size Distribution in Nafion Membrane Characterized Using Positronium

37. **Petar Žugec, Department of Physics, Faculty of Science, University of Zagreb, Croatia**

    Klein-Nishina Meets Pryce-Ward: The Best from Both Worlds for the Semiclassical Simulations of the Annihilation Photon Correlations

38. **Piyush Pandey, Jagiellonian University, Poland**

    Development of a Geant4 Simulation Framework for Antimatter Annihilation Vertex Reconstruction

39. **Pooja Tanty, Jagiellonian University, Poland**

    Exploring Charge Conjugation Invariance in Positronium with J-PET Detector

40. **Przemysław Czapla, Institute of Physics, Polish Academy of Sciences, Poland**

    Towards Rigorous Entanglement Detection of Para-positronium Annihilation Photons

41. **Sharareh Jalali, Jagiellonian University, Poland**

    Evaluation of the Performance of a Plastic Scintillator Based Brain PET Insert

42. **Simbarashe Moyo, Jagiellonian University, Poland**

    Ex-vivo Positronium Lifetime Imaging of Human Thrombi: Validation with Positron Annihilation Lifetime Spectroscopy

43. **Taiyo Ishikawa, National Institutes for Quantum Science and Technology, Japan**

    Refractive Index Dependence on Detection Efficiency and CTR in Simulated Cherenkov-based TOF-PET Detectors

44. **Tevfik Kaplanoğlu, Jagiellonian University, Poland**

    A Two-axis Gantry System for a Total-body J-PET/CT Scanner

45. **Wiktor Mryka, Jagiellonian University, Poland**

    Proton Beam Range Monitoring and Positronium Studies in Proton Radiotherapy with J-PET System