

Fast Timing in Medical Imaging

Friday, 3 June 2022

Clinical motivation for pushing TOFPET CTR resolution ≤ 100 ps (09:20 - 10:50)

-Conveners: Paul Rene Michel Lecoq

time	[id] title	presenter
09:20	[64] Reflections on Time-of-Flight for PET imaging	Dr TOWNSEND, David W.
09:40	[23] Clinical experience on the merit of TOF in PET imaging	PRIOR, John
10:00	[58] Reconstruction-free total-body PET: Realizing the full potential of the tracer kinetic method	Prof. CHERRY, Simon
10:20	[74] Clinical and Technical Impact of Fast TOF PET	EL FAKHRI, Georges
10:35	[52] Introduction to a High-Resolution Fast-Timing PET Project	Prof. LEE, Jae Sung

Clinical motivation for pushing TOFPET CTR resolution ≤ 100 ps (11:20 - 13:05)

-Conveners: John Prior

time	[id] title	presenter
11:20	[75] Concepts and systems to advance coincidence time resolution for time-of-flight positron emission tomography	LEVIN, Craig
11:45	[13] Design and initial results of a total-body PET with TOF and DOI capabilities	GONZALEZ MARTINEZ, Antonio J.
12:00	[54] Development of a fast Cherenkov detector dedicated to Prompt Gamma Time Imaging	JACQUET, Maxime
12:15	[21] On a way to clinical positronium imaging with the high time resolution total-body J-PET system	MOSKAL, Pawel
12:30	[30] Novel biomarker and drug delivery systems for theranostics – extracellular vesicles	STĘPIEŃ, Ewa
12:45	[72] The importance of fast-timing gradients in 3T MRI for diffusion and perfusion analysis in Prostate Cancer	JIMENEZ PASTOR, Ana