

Fast Timing in Medical Imaging

Friday, 3 June 2022

System considerations for TOFPET CTR resolution $\leq 100\text{ps}$ (15:30 - 16:15)

-Conveners: Antonio Gonzalez

time	[id] title	presenter
15:30	[37] GATE simulation of a brain-dedicated PET system using metacrystals for optimized ToF capability	Dr BAPTISTA BONIFACIO, Daniel Alexandre
15:45	[22] Towards precise temporal resolution using highly multiplexed readout schemes for gamma-ray detectors	Dr GONZALEZ-MONTORO, Andrea Dr SANCHEZ, David
16:00	[61] Evaluation of a PET detector with ultra-high spatial and timing resolution suitable for preclinical systems	VALLADARES, Celia

System considerations for TOFPET CTR resolution $\leq 100\text{ps}$ (16:45 - 17:45)

-Conveners: Antonio Gonzalez

time	[id] title	presenter
16:45	[19] Image quality of a pure Cherenkov TOF PET scanner: a simulation study	Mr RAZDEVSEK, Gasper
17:00	[65] Exploration of the physical limits for Cherenkov PET using tiny crystals and a large cube	FOROSTENKO, Sofiia
17:15	[12] Timing with (semi-)prompt photons: a review and perspective on the full detector chain	Mr KRATOCHWIL, Nicolaus
17:30	[57] Power efficient high-frequency readout of timing optimized SiPMs for Cherenkov radiation	GUNDACKER, Stefan