



# Fast Timing in Medical Imaging

## Sunday, 5 June 2022

### Technologies for $\leq 100$ ps TOFPET resolution: Electronics (10:15 - 11:00)

-Conveners: Jose Maria Benlloch

time	[id] title	presenter
10:15	[26] The timing performance of the TOFHIR2 ASIC	VARELA, Joao
10:30	[46] Timing limits of the TOFPET2 ASIC	NADIG, Vanessa
10:45	[35] Pushing time resolution for ToF-PET molecular imaging employing the FastIC ASIC	Prof. GOMEZ FERNANDEZ, Sergio

### Technologies for $\leq 100$ ps TOFPET resolution: Electronics (11:30 - 13:15)

-Conveners: Joao Varela

time	[id] title	presenter
11:30	[27] Low Power Implementations of High Performance Electronic Readout to Advance TOF-PET Detector Module Performance	CATES, Joshua
11:45	[11] Minimizing power consumption for Time-of-Flight PET SiPM readout	LATELLA, Riccardo
12:00	[66] A Comparative Study on Various Capacitance Compensation Technique for SiPM based TOF-PET detector	SHIM, Hyeong Seok
12:15	[69] Comparison of time-walk compensation methods for Leading Edge Discriminators	BAE, Sangjin
12:30	[62] Time based event positioning in monolithic detectors	THYSSEN, Charlotte
12:45	[68] Conceptual design of high-speed and low-noise receiver electronic systems	Mr ARUTINOV, David
13:00	[59] Advances in electronics for a Compton camera	Dr LLOSÁ, Gabriela