

Session Program

3-5 Jun 2022

Fast Timing in Medical Imaging

***Technologies for $\leq 100\text{ps}$ TOFPET resolution:
Photodetectors***

Parador El Saler, Valencia, Spain

Sunday 5 June

08:30

Technologies for $\leq 100\text{ps}$ TOFPET resolution: Photodetectors

Session | **Location:** Parador El Saler, Valencia, Spain | **Convener:** Georgios Konstantinou

08:30–08:45 **Small and Fast : Nanophotonics for Fast Timing**

Speaker

Stefan Sylvain Enoch

08:45–09:00

Monolithic integration of metalens array in multipixel photon counter for enhanced photodetection efficiency

Speaker

Dr Ryosuke Ota

09:00–09:15

Progress in CMOS SPADs and digital SiPMs for fast timing applications

Speaker

Claudio Bruschini

09:15–09:30

FBK SiPM roadmap for ultimate timing performance

Speaker

Alberto Gola

09:30–09:45

VUV-SiPMs applied to BaF2 cross-luminescence detection for high-rate ultrafast timing applications

Speaker

S. Gundacker

09:45–10:00

The 100 μPET project: a small-animal PET scanner for ultra-high-resolution molecular imaging with monolithic silicon pixel sensors

Speaker

Prof. giuseppe iacobucci

10:00–10:15

Hamamatsu technology for TOF PET

Speaker

David Castrillo

10:15