

Session Program

17-19 Nov 2021



The 39th RD50 Workshop (Valencia)

TPA-TCT (Two-Photon Absorption Transient Current Technique)

ADEIT

Plaza Virgen de la Paz, 3. 46001 Valencia, Spain

Wednesday 17 November

12:40

TPA-TCT (Two-Photon Absorption Transient Current Technique)

Session | **Location:** ADEIT, Plaza Virgen de la Paz, 3. 46001 Valencia, Spain | **Convener:** Ivan Vila Alvarez

12:40–13:00

Evidence of multistage charge collection in Si irradiated detectors operated as the monitors of intensive fragmented proton beams

Speakers

Artem Shepelev, Artem Shepelev, Elena Verbitskaya, Elena Verbitskaya, Vladimir Eremin

13:00–13:15

Thickness dependence of the Single Event Burnout bias threshold in fs-laser based mortality study on LGADs from different producers

Speaker

Gordana Lastovicka Medin

13:15–13:25

Updated IBIC and Ion-TCT study on LGAD at RB: Work in Progress on Effects of Screening in LGADs

Speaker

Gordana Lastovicka Medin

13:25–14:45

Lunch Break

14:45–15:05

Towards an All-Fiber Femtosecond Laser System as Excitation Source in the Two-Photon Absorption - Transient Current Technique

Speaker

Mrs Azahara Almagro-Ruiz

15:05–15:25

Gain suppression mechanism in LGADs and SEE studies in a RD53B chip measured with the TPA-TCT method

Speaker

Sebastian Pape

15:25–15:40

Compensation of TPA-TCT signal fluctuations using the 2nd harmonic

Speaker

Ivan Vila Alvarez

15:40–16:00

Effects of charge screening in LGADs

Speaker

Gregor Kramberger

16:00–16:20

Determining the Impact Ionisation Parameters for LGADs

Speaker

Alissa Shirley-Ann Howard

16:20–16:50

Discussion: TPA-TCT system and studies

Speaker

Ivan Vila Alvarez

16:50-16:55 **Announcement: Trento Workshop in Freiburg**

Speaker

Ulrich Parzefall

16:55-17:20 **Coffee Break**

17:20