

Ghosty Ti-LGAD

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In this contribution we will first give a short introduction on the results from our previously reported study on ghosts in Ti-LGADs with double trenches in the inter-pixel region. The focus will be given on the most recent results from our study on irradiated samples. Both, irradiated 2Tr PINs and irradiated 2Tr LGADs are investigated from AIDAinova and RD50 production. Also, irradiated 1Tr PIN and 1Tr LGADs are investigated. Comparing a large pool of data measured on a large set of samples, both irradiated and unirradiated, with single and double trenches from two vendors, enabled us to deepen our knowledge on understanding the origin and mechanism behind the observed ghosts.

Type of presentation (in-person/online)

in-person presentation

Type of presentation (I. scientific results or II. project proposal)

I. Presentation on scientific results

Authors: Prof. LASTOVICKA-MEDIN, Gordana (University of Montenegro (ME)); Ms MRKIC, Danijela (University of Montenegro); Mr BALETIC, Vuk (University of Montenegro); Dr KRAMBERGER, Gregor (Jozef Stefan Institute); KROLL, Jiri; Dr REBARZ, Mateusz (ELI Beamlines, ELI ERIC)

Presenter: Ms MRKIC, Danijela (University of Montenegro)

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