

TCT-TPA/SPA studies of single event effects in thin LGADs at ELI Beamline

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The Single Event Effects (SEE) at large energy deposits in LGADs and PINs operated at extreme electric fields are studied at ELI Beamlines. The outcomes of conducted studies based on fs-laser TCT-SPA/TPA will be presented.

Fluences covered are the ones of interest for ATLAS and CMS: $4e14$, $8e14$, $1.5e15$, $2.5e15$ cm⁻².

The future steps will be discussed too,

Primary author: LASTOVICKA MEDIN, Gordana (University of Montenegro (ME))

Co-authors: KRAMBERGER, Gregor (Jozef Stefan Institute); Dr REBARZ, Mateusz (Extreme Light Infrastructure (ELI Beamlines) (CZ)); Dr ANDREASSON, Jakob (Extreme Light Infrastructure (ELI Beamlines) (CZ)); Dr LASTOVICKA, Tomas (Czech Academy of Sciences); Mr KROPIELNICKI, Kamil (Extreme Light Infrastructure (ELI Beamlines) (CZ)); Dr KROLL, Jiri (Czech Academy of Sciences (CZ)); Dr TOMASEK, Michal (Czech Academy of Sciences (CZ)); Dr MIKESTIKOVA, Marcela (Czech Academy of Sciences (CZ)); Dr CARTIGLIA, Nicolo (INFN Torino (IT)); Dr SOLA, Valentina (Universita e INFN Torino (IT))

Presenter: LASTOVICKA MEDIN, Gordana (University of Montenegro (ME))

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