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First LGAD timing/jitter measurement at ELI with fs-lasers of 800 nm and 1450 nm

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The results presented in this contribution are the results of the joint research of the Extreme Light Infrastructure (ELI) –Beamline The first measurements were devoted to understanding the potential of ELI ultrafast spectroscopy for LGAD studies (timing with SPA/TPA) and building up an infrastructure for future LGAD tests. As it will be shown, the preliminary results opened new possibilities for research on LGAD such as study of mortality of the irradiated sensors at very high pulses.

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