

# Effect of Neutron Irradiation on the Electronic and Optical Properties of Al-3 GaAs/InGaAs-Based Quantum Well Structures

*Monday 30 October 2023 21:45 (15 minutes)*

The effect of neutron radiation on the optical and electronic properties of doped heterostructures with an AlGaAs/InGaAs/GaAs quantum well is experimentally studied. The effect of neutrons on the degradation of electron concentration and mobility, as well as on changes in the photoluminescence spectra of heterostructures, is discussed.

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**Session Classification:** In-person poster session & welcome drinks

**Track Classification:** Applied Research