

Recent results on I-V characteristics study for TOTEM edgeless detectors

Presentation is done on behalf of Ioffe PTI and RIMST groups, and CERN-TOTEM collaboration.

The control of I-V characteristic of planar edgeless detectors with current terminating structure which are produced by PTI for TOTEM collaboration is a crucial issue for the proper detector operation. Recent results on the edge properties exhibit that different areas of the edge produce specific contributions to the edge current. With this observation, the data on I-V characteristics measured for irradiated planar edgeless n-on-p detectors are presented and discussed.

Author: Dr EREMIN, Vladimir (Ioffe Physical Technical Institute RAS)

Co-authors: Dr VERBITSKAYA, Elena (Ioffe Physical Technical Institute RAS); Dr RUGGIERO, Gennaro (CERN)

Presenter: Dr EREMIN, Vladimir (Ioffe Physical Technical Institute RAS)