

New developments on SiC dosimeters and detectors at IMB-CNM

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Abstract

Due to their low leakage current, low noise levels, high thermal conductivity, and potential radiation hardness, SiC devices offer various advantages over Si devices in certain applications. Particularly, they are being considered for harsh environment operation, such as in plasma diagnostic systems in future nuclear fusion reactors, high energy physics applications and medical application as dosimeter or microdosimeters. In my talk, I will present the last technological and experimental results obtained with SiC sensors in different applications.

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