



Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_8904
Title of the Manuscript:	Random Telegraph Signals Generated in Transistors Due to Gamma Ray Irradiation: Online Study of the Device Characteristics
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	1. 'i/f noise' in abstract should be '1/f noise'.	Comment is addressed. i/f is changed as 1/f in the revised draft
Minor REVISION comments	1. The characters in the figures are too small to be seen.	Characters in the figures are enlarge for better visibility in the revised draft



SDI Review Form 1.6

Optional/General comments	The author studied transistors properties during irradiation process with gamma rays photon energies of 6 MeV and 15 MeV. The degradation mechanisms of the transistors were also explained and a model of selective trapping and release of carriers in the radiation induced trap centres were proposed. The possible source of the noise signals were further analyzed. This work shows the originality and the experiments were designed well to satisfy the research purpose. It is recommended to be accepted after minor revision.	Yes, this is the original data of repeated measurements
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