

LIST OF JOURNAL PAPERS 2016

- 1 - Banu, V., Soler, V., Montserrat, J., Millán, J., Godignon, P.
" **POWER CYCLING ANALYSIS METHOD FOR HIGH VOLTAGE SIC DIODES** "
MICROELECTRONICS RELIABILITY. 27th European Symposium on the Reliability of Electron Devices, Failure Physics and Analysis (ESREF), September 19th to 22nd, 2016, Halle (Saale), Germany. Vol.64 429-433, 2016.
- 2 - Banu, V., Berthou, M., Montserrat, J., Jordà, X., Millán, J., Godignon, P.
" **STUDIES ON FLOATING CONTACT PRESS-PACK DIODES SURGE CURRENT** "
MATERIALS SCIENCE FORUM. 16th International Conference on Silicon Carbide and Related Materials (ICSCRM), October 4-9, 2015, Giardini Naxos, Italy. Vol.858 1053-1056, 2016.
- 3 - Carulla, M., Fernández-García, M., Fernández-Martínez, P., Flores, D., González, J., Hidalgo, S., Jaramillo, R., Merlos, A., Palomo, F.R., Pellegrini, G., Quirion, D., Vila, I.
" **TECHNOLOGY DEVELOPMENTS AND FIRST MEASUREMENTS ON INVERSE LOW GAIN AVALANCHE DETECTOR (ILGAD) FOR HIGH ENERGY PHYSICS APPLICATIONS** "
JOURNAL OF INSTRUMENTATION. 18th iWoRiD International Workshop on Radiation Imaging Detectors, 3-7 July 2016, Barcelona, Spain. Vol.11 C12039, 2016.
- 4 - Fernández-Martínez, P., Flores, D., Hidalgo, S., Greco, V., Merlos, A., Pellegrini, G., Quirion, D.
" **DESIGN AND FABRICATION OF AN OPTIMUM PERIPHERAL REGION FOR LOW GAIN AVALANCHE DETECTORS** "
NUCLEAR INSTRUMENTS METHODS IN PHYSICS RESEARCH SECTION A ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. Vol.821 93-100, 2016.
- 5 - Fernández-Martínez, P., Ullán, M., Flores, D., Hidalgo, S., Quirion, D., Lynn, D.
" **RAD-HARD VERTICAL JFET SWITCH FOR THE HV-MUX SYSTEM OF THE ATLAS UPGRADE INNER TRACKER** "
JOURNAL OF INSTRUMENTATION. Vol.11 C01043, 2016.
- 6 - Jain, G., Bhardwaj, A., Dalal, R., Eber, R., Eichorn, T., Fernández, M., Lalwani, K., Messineo, A., Palomo, F.R., Peltola, T., Printz, M., Ranjan, K., Villa, I., Hidalgo, S.
" **DESIGN OPTIMIZATION OF PIXEL SENSORS USING DEVICE SIMULATIONS FOR THE PHASE-II CMS TRACKER UPGRADE** "
NUCLEAR INSTRUMENTS METHODS IN PHYSICS RESEARCH SECTION A ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. Vol.824 413-416, 2016.
- 7 - Pellegrini, G., Baselga, M., Carulla, M., Fadeyev, V., Fernández-Martínez, P., Garcia, M.F., Flores, D., Galloway, Z., Gallrapp, C., Hidalgo, S., Liang, Z., Merlos, A., Moll, M., Quirion, D., Sadrozinski, H., Stricker, M., Vila, I.
" **RECENT TECHNOLOGICAL DEVELOPMENTS ON LGAD AND ILGAD DETECTORS FOR TRACKING AND TIMING APPLICATIONS** "
NUCLEAR INSTRUMENTS METHODS IN PHYSICS RESEARCH SECTION A ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. Vol.831 24-28, 2016.
- 8 - Reverter, F., Perpiñá, X., Barajas, E., León, J., Vellvehí, M., Jordà, X., Altet, J.
" **MOSFET DYNAMIC THERMAL SENSOR FOR IC TESTING APPLICATIONS** "
SENSORS AND ACTUATORS A PHYSICAL. Vol.242 195-202, 2016.

9 - Sadrozinski, H.F.-W., ... [et al.], Pellegrini, G., Hidalgo, S., Baselga, M., Carulla, M., Fernández-Martínez, P., Flores, D., Merlos, A., Quirion, D.

" **ULTRA-FAST SILICONDETECTORS(UFSD)** "

**NUCLEAR INSTRUMENTS METHODS IN PHYSICS RESEARCH SECTION A ACCELERATORS
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. Vol.831 18-23, 2016.**