

28th RD50 Workshop (Torino)



Contribution ID: 22

Type: **not specified**

TCT measurements and analyses of proton irradiated LGADs

Tuesday, 7 June 2016 15:00 (20 minutes)

Results from the study of LGADs from CNM Run 7859 will be presented. Some of these sensors have been subjected to proton irradiation at CERN. The fluences to which these were exposed are $1E12$, $1E13$, $1E14$ and $1E15$ neq/cm². TCT measurements were performed before and after irradiation. These TCT studies were particularly focused on analysing: charge collection, spatial homogeneity, gain, and double junction effects. The results obtained will be shown in this presentation.

Primary author: Ms OTERO UGOBONO, Sofía (Universidade de Santiago de Compostela, and CERN)

Co-authors: CENTRE NACIONAL DE MICROELECTRÒNICA, Barcelona (CNM); Mr GALLRAPP, Christian (CERN); Mr MATEU, Isidre (CIEMAT); Dr VILA, Ivan (Instituto de Fisica de Cantabria (CSIC-UC)); Mr FERNANDEZ GARCIA, Marcos (IFCA-Santander); Dr MOLL, Michael (CERN); Ms STRICKER, Miriam Katharina (CERN Summer Student 2015)

Presenter: Ms OTERO UGOBONO, Sofía (Universidade de Santiago de Compostela, and CERN)

Session Classification: Sensors with Internal Gain II