

RD50 funding request - Fabrication and testing of new AC coupled 3D stripixel detectors

Monday 2 June 2008 18:50 (20 minutes)

The project aims to fabricate and fully characterize stripixel silicon detectors with a new 3D structure. A mask set will be produced for the production of simple test structures, pixel and strip detectors configurations based on the detector technology. This new 3D structures have some new features either in configuration and/or in processing: (1) all electrodes are processed on one side of the wafer to ensure a simple, true one-sided processing; and (2) stripixel electrode configuration can be arranged to get 2D position sensitive strip-like detectors with single-sided processing. Finished devices will be distributed to the test sites for electrical, (IV, CV, TSC), and source, (alpha, beta, laser), characterization.

Author: PELLEGRINI, Giulio (Centro Nacional de Microelectronica CNM-IMB-CSIC)

Presenter: PELLEGRINI, Giulio (Centro Nacional de Microelectronica CNM-IMB-CSIC)

Session Classification: Collaboration Board Meeting