

The instrumental set-up developed at the "COLD" Laboratory (Catania Astrophysical Observatory Laboratory for Detectors) of INAF-OACT (Astrophysical Observatory of Catania) aims at providing a systematic characterization of all complete Photon Detection Modules (PDMs), which form the structural units of the ASTRI SST-2M camera at the focal plane. The quality of all SiPM boards has been evaluated in terms of minimum deviance, ΔV , between the reference voltage of each pixel at which the SiPM gain is constant.

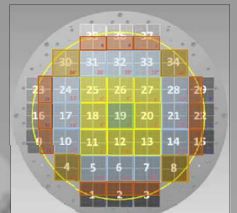
Giovanni Bonanno and The ASTRI Detector Team for the ASTRI Collaboration¹ and the CTA Consortium²

¹ www.brera.inaf.it/astri
² www.cta-observatory.org

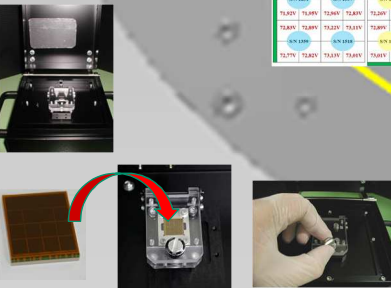
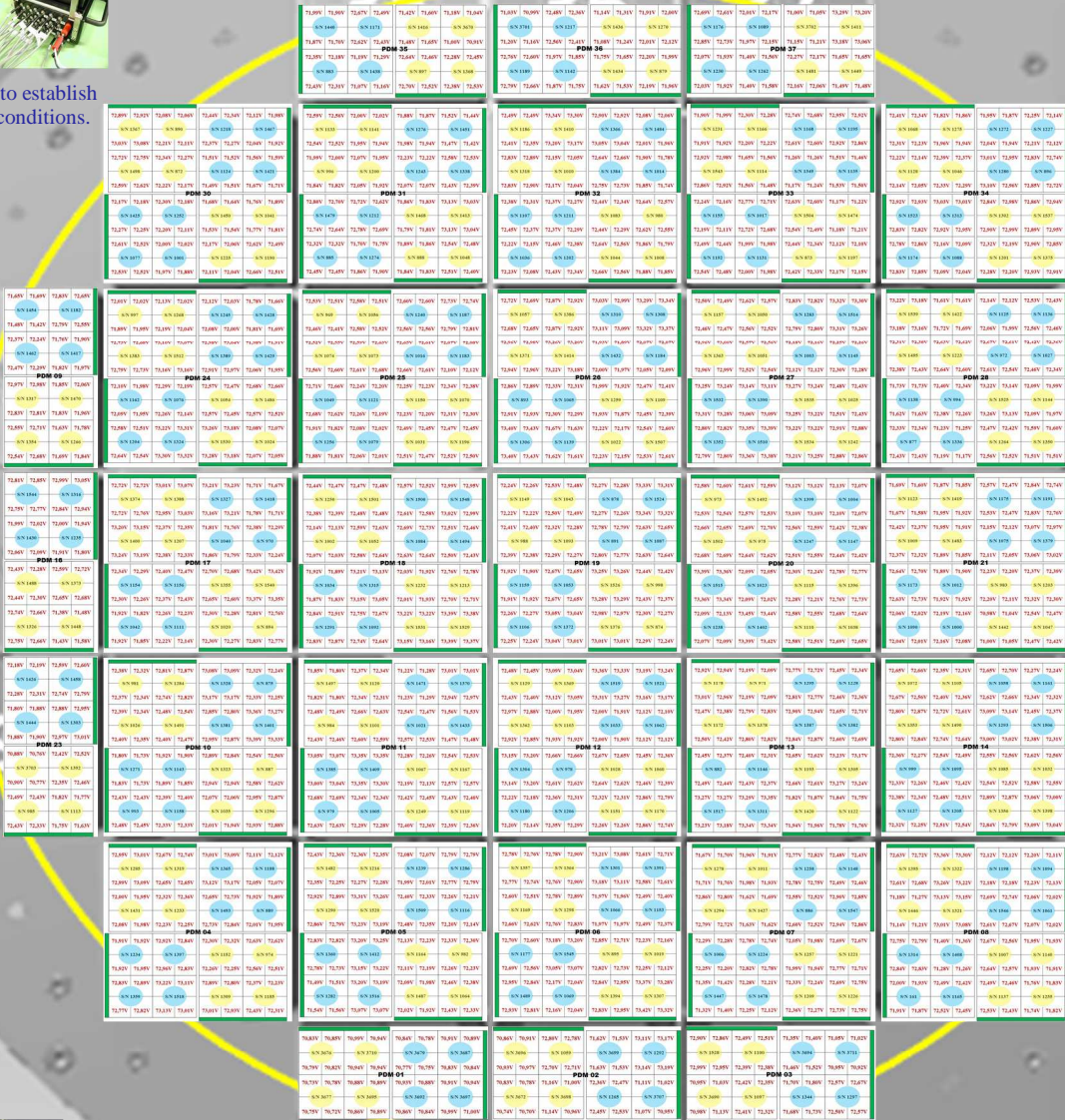
Based on accurate selection criteria, the quality of all SiPM boards has been evaluated in terms of minimum deviance, ΔV , between the reference voltage of each pixel at which the SiPM gain is constant.



I-V measurements to establish the best operating conditions.



Detectors disposal vs quality.



Set-up and steps used for the I-V measurements.



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