

Tests with 3mm x 3mm SiPM matrix without TPB deposition

Lea Di Noto – Univ. and INFN Genova

GRAIN Working group meeting

May, 17th 2024



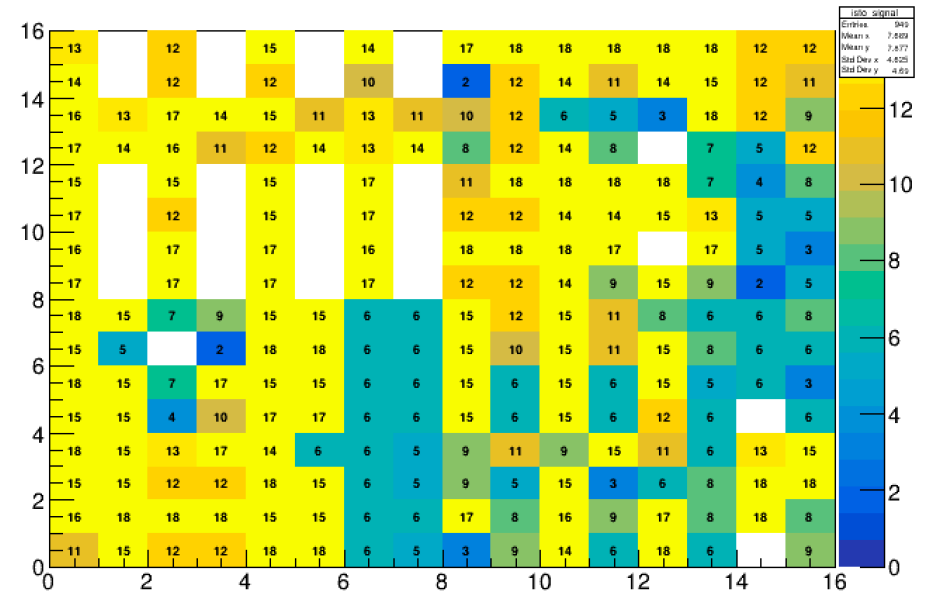
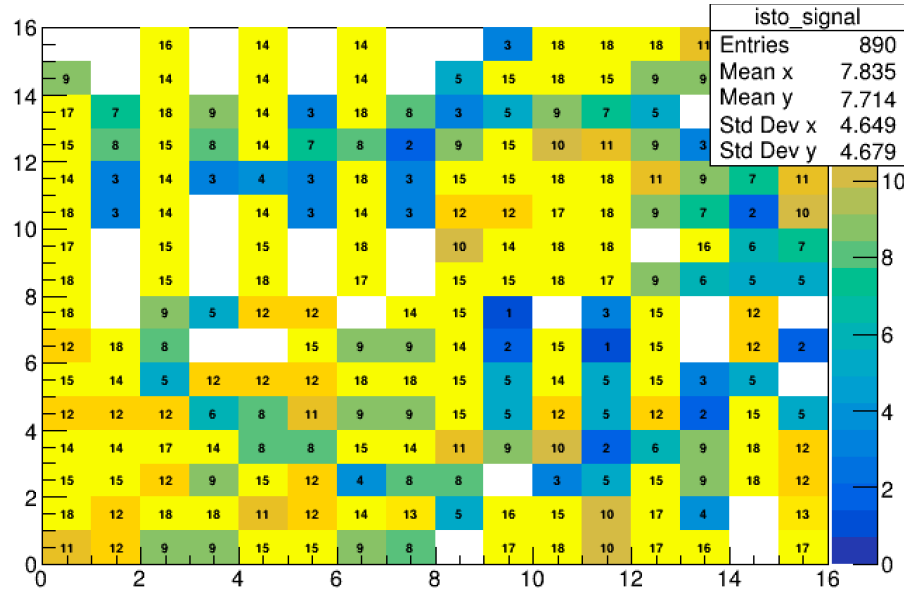
Set up

- Measurements at room temperature
- Light at 500 nm pulsed with a 2 ms period
- 3 flashes for each acquisition
- SIGNAL:
 - $TOT > 200$ ns & TDC times compatible with 2 ms period

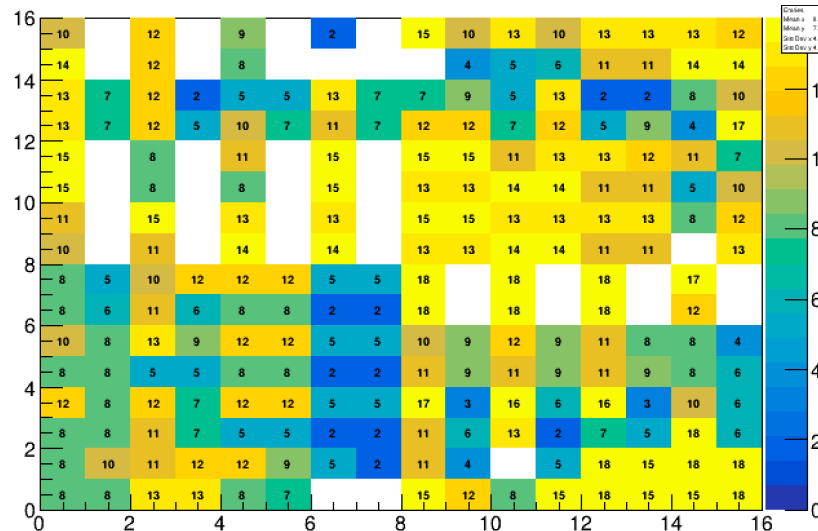
Light on all pixels (6 acquisitions)

- Threshold = 55

- Threshold = 45



- Threshold = 35



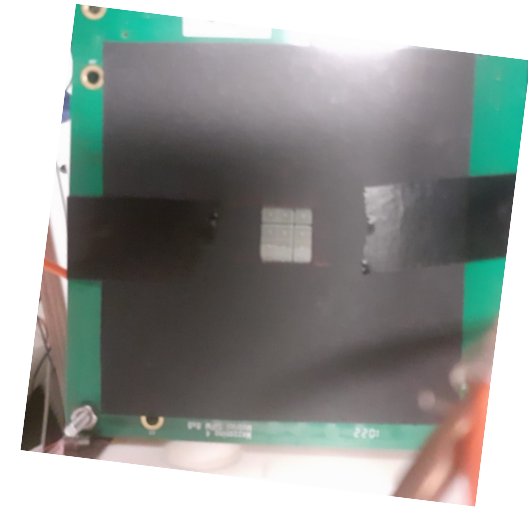
Some channels are broken (CHIP7)

The best threshold depends on the signal itself

Results are not well reproducible

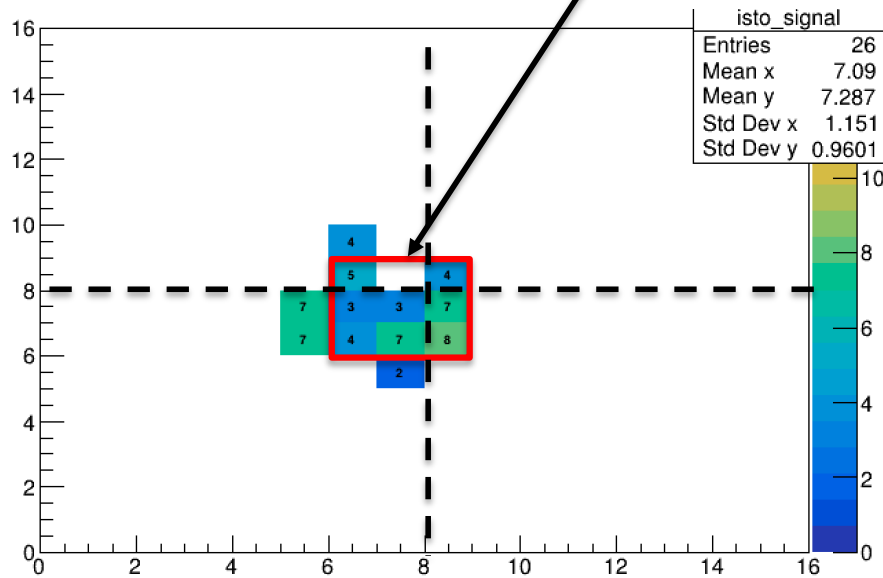


Light on few pixels



Broken channel (CHIP7)

- Soglia 45



- Soglia 55

