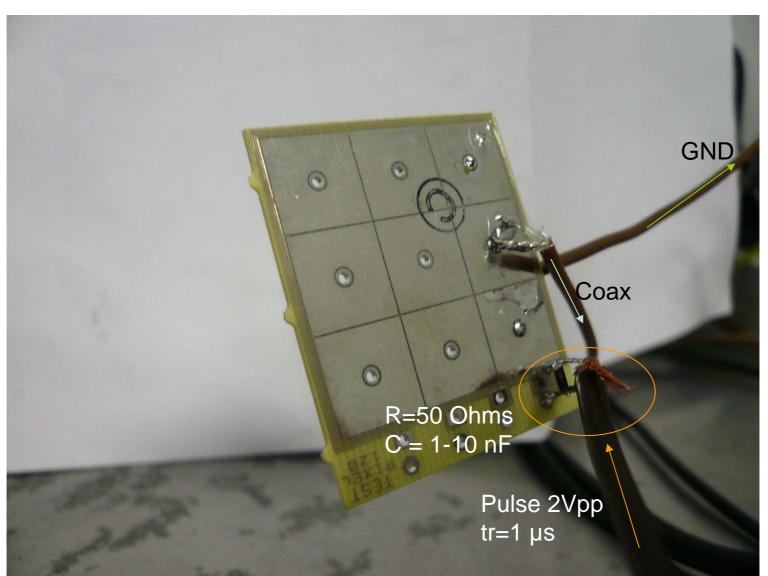
Calice works...

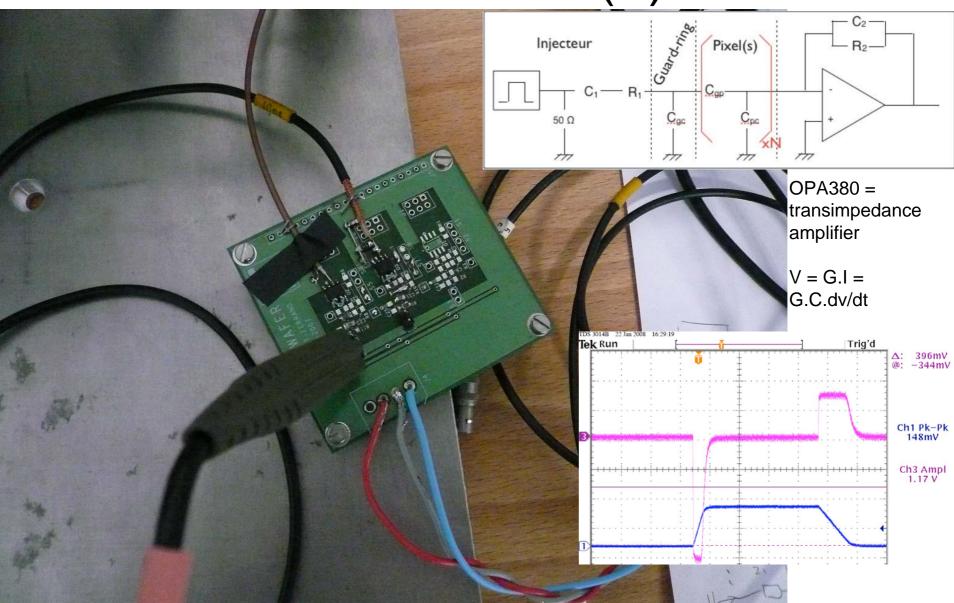
Wafer tests DIF

R. Cornat, F. Morisseau - LAL meeting, 06/02/08

Charge injection on Cu-epo model



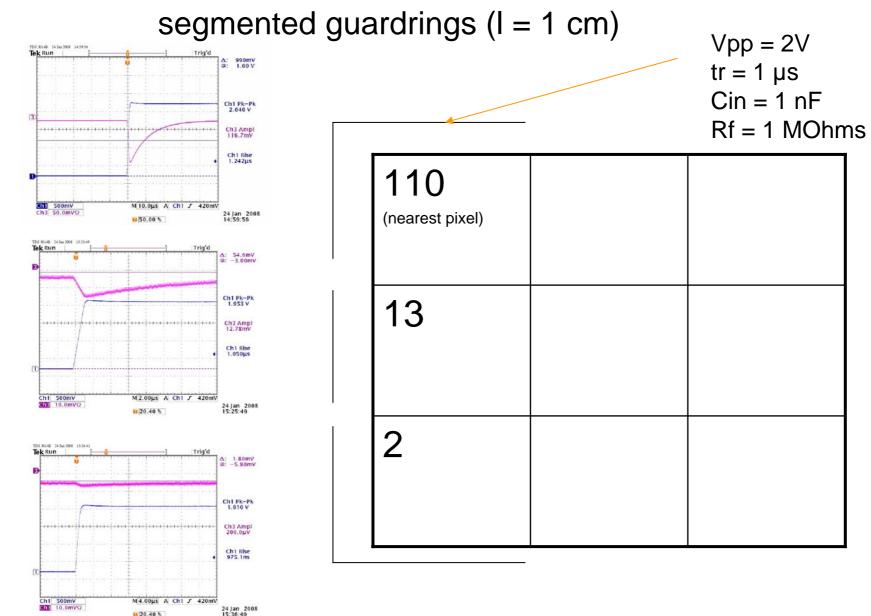
Wafer tests (2)



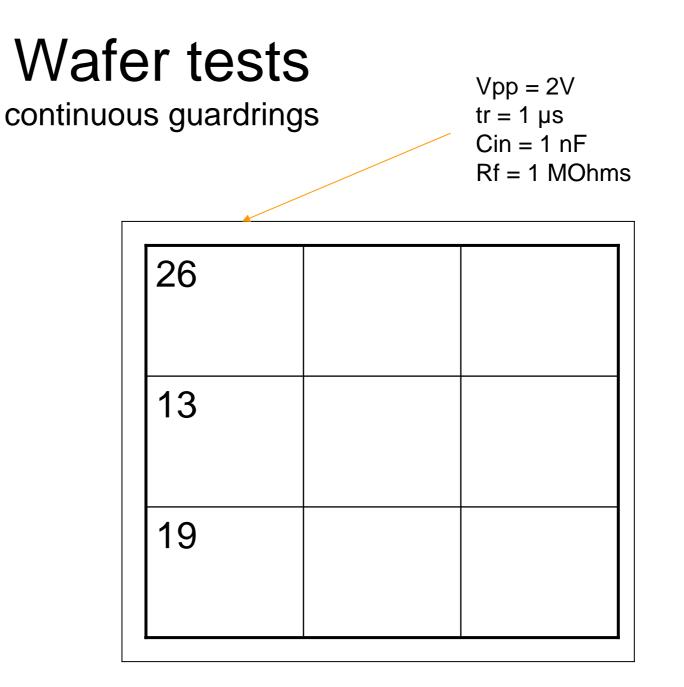
Preliminary measurements, segmented guardrings

V (dB) – nearest pixel 45 2.5 db/decade 40 1v1=20 dpldecade Vpp = 2V35 Various tr Cin = 1 nF30-Rf = 1 MOhms25 $tr = 1 \ \mu s$ 20-15+ 3.5 4.0 4.5 5.0 5.5 6.0 f (log)

(f = 0.35/tr)



20.40 %



conclusions

- Preliminary measurements on Cu-epo model
 - Same order of magnitude as for simulations
 - Segmented guardrings should limit pure crosstalk effects
 - Measurement electronics to be improved
- Full setup for real wafer ready
 - Black box, probes and micropositionners
 - 3x3 wafers should have been ordered...

DIF / ASUDAQ

- Prototype board for
 - ASUDAQ (ASU cosmic test bench)
 - DIF for ecal prototype

is being P&R

• Some HDL under development