

# Discussion

## Full Detector Systems

18<sup>th</sup> RD50 Workshop, Liverpool, May 2011

# Things to be done/investigated?

- Samples from RD50 Micron run
  - Mixed irradiations (do we need an organized campaign?)
    - p after n, n after p
    - Edge-TCT, alibava
  - MCz-n neutron irradiation (is the “magic” performance still there)
    - to be done with many fluence points with p-n, n-n sensors
    - Edge-TCT measurements, Alibava
  - Electric field (“active-bulk”) at very high fluences
    - Edge-TCT (modelling – simulations?)
  - RT annealing of different samples
    - One/Two (neutrons?,protons?) sample of each flavor to “standardized” fluence and left for long time.
- Noise studies
  - Noise during multiplication (compare to theory)
  - Do Alibava and SCT128A behave in the same way?
- Work on proposed projects addressing specific topics:
  - Low resistivity implants for punch through protection
  - Edge isolation with oxide (n type) , Al (p-type) to achieve thin edge detectors
- Test beam (list of devices and aims)
  - Alibava setup (GL boards)
- 6” CM wafers (few moths away)
- CNM trench