



- RAL/Birmingham mitosis
  - Steve Worm moved to Birmingham.
  - Working together on DECAL project.
- OverMOS 1.0 (2016)
  - Our first attempt at depleted HR-CMOS MAPS.
  - Irradiated to  $10^{15}$  neq at Ljubljana.
  - Start to match TCAD simulations to device response.
  - Not totally successful due to some design flaws.
- OverMOS 1.1 (2017)
  - Simplified, corrected version OverMOS 1.0.
  - Being tested now. Results look promising.
  - Will consider irradiation studies.
- DECAL (2017/2018)
  - Configurable depleted HR-CMOS MAPS running with 25ns r/o for use at FCC outer tracker or digital calorimetry.
  - Due to arrive in 1-2 weeks.
  - Extensive program of testing, irradiation, test-beams to come.
- TCAD Simulation
  - We have been using our prototypes as testbeds for TCAD simulation of radiation effects.
- Schottky diodes for radiation damage project (2017/2018)
  - Produce wafers with different doping levels  $10^{13} - 10^{17}$
  - Compare performance of simple diodes under radiation and create TCAD simulation.
- RD50 (2017/2018)
  - Hope to contribute designs and TCAD simulations.

