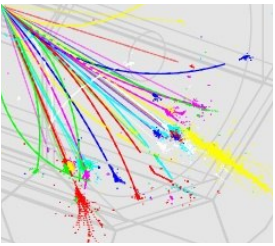


# CALICE Simulations

## Status and Plans

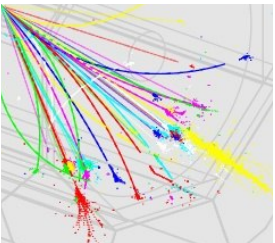
**J.P. Crooks, M.Stanitzki, K.D. Stefanov**  
**R. Turchetta, M. Tyndel, G. Villani**  
*CCLRC-Rutherford Appleton Laboratory*



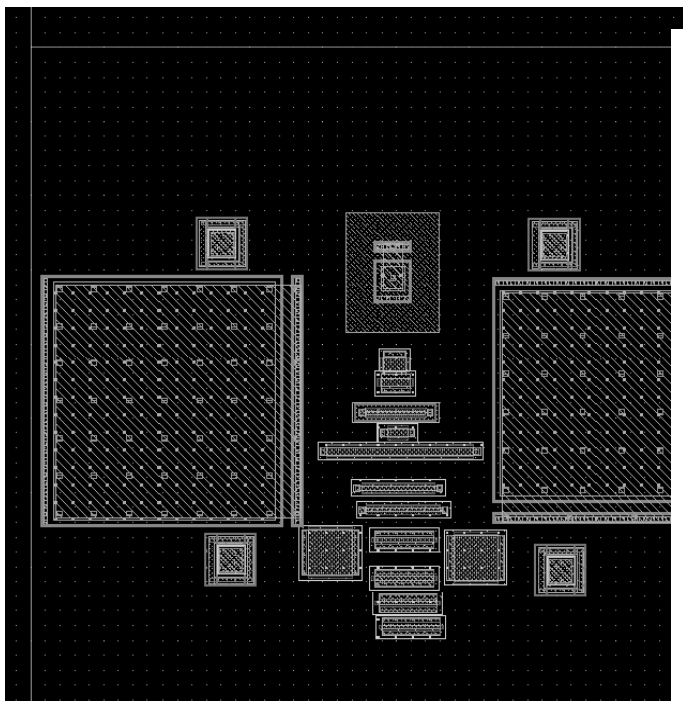
# RAL Status

The Efforts at RAL are focused on the MAPS design

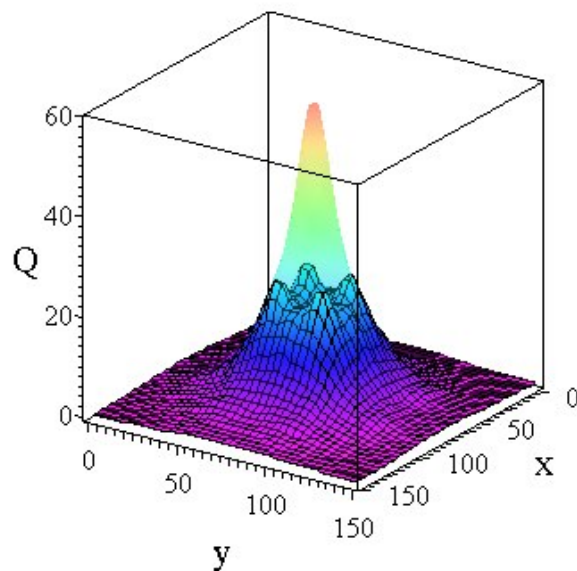
- **Sensor Simulation** to study MAPS performance
  - Collection efficiency
  - Collection time
- **Detector Simulation** to help optimizing the sensordesign, erg
  - Pixel Size and Dead Area
  - Resolution and Occupancies
- First Sensor to be submitted in March 2007



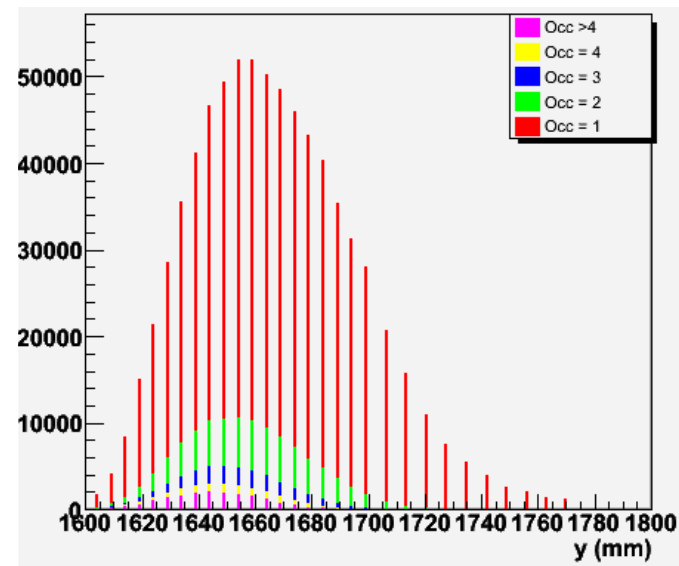
# Examples



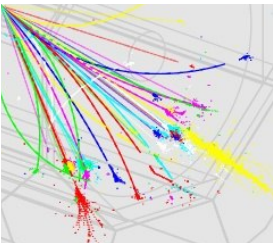
MAPS Design



MAPS Simulation



MAPS ECAL Sim



# RAL Plans

Efforts will remain focused on MAPS approach

- Continue to optimise MAPS design using both
  - Sensor simulations
  - Detector simulations
- Plans to work on MAPS Hit clustering
- Start physics studies (together with Birmingham)
  - Interest in  $e^+ e^- \rightarrow t \bar{t}$