

# Status of AHCAL Simulation

**Angela Lucaci-Timoce**



# Simulation of Scintillator HCAL

## Current status

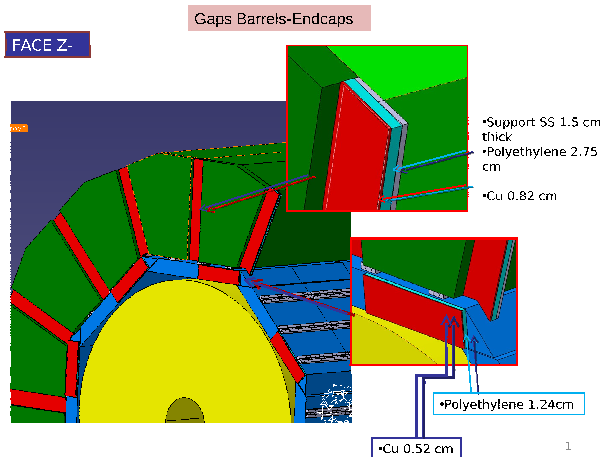
- Detailed description in [Linear Collider note LC-TOOL-2008-001](#)
- Studies of tiles non-uniformity presented in [arXiv 1006.3662](#)  $\Rightarrow$  no need to simulate them

## Plans for the near future

- Inclusion of HCAL services: work by Catherine Clerc and Mokka developers (Gabriel and Paulo)
- Aim for results for IWLC2010, 18-22 October, Geneve

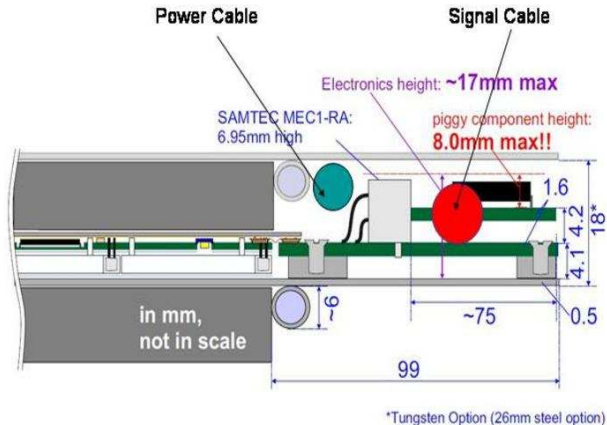
# ECAL-HCAL services

- Figure from Catherine Clerc
- Gap between barrel and endcaps used to guide ECAL/HCAL cables



# HCAL electronics and services

- Discussions with Karsten Gadow, Mathias Reinecke, Felix Sefkow
- Decided to approximate the PCBs with FR4 and copper



# HCAL electronics and services

- New structure in the AHCAL Mokka driver as shown below
- If agreed, implementation to be done together with the Mokka developers

