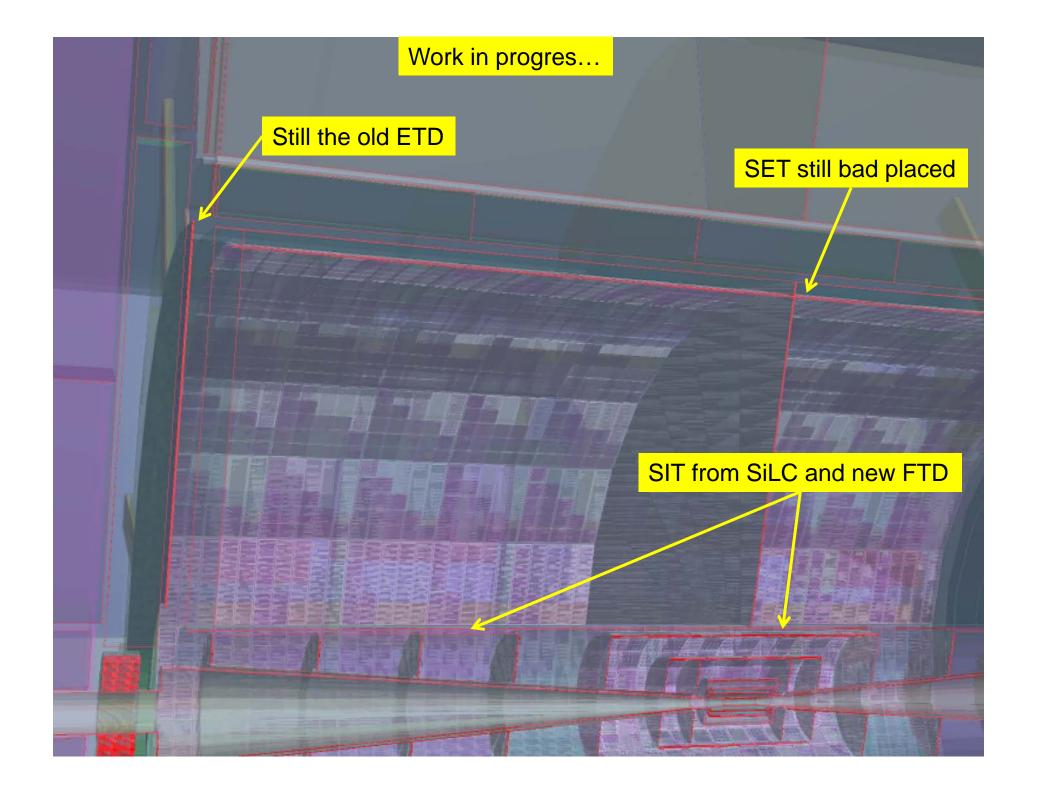


A first release for this week 1:

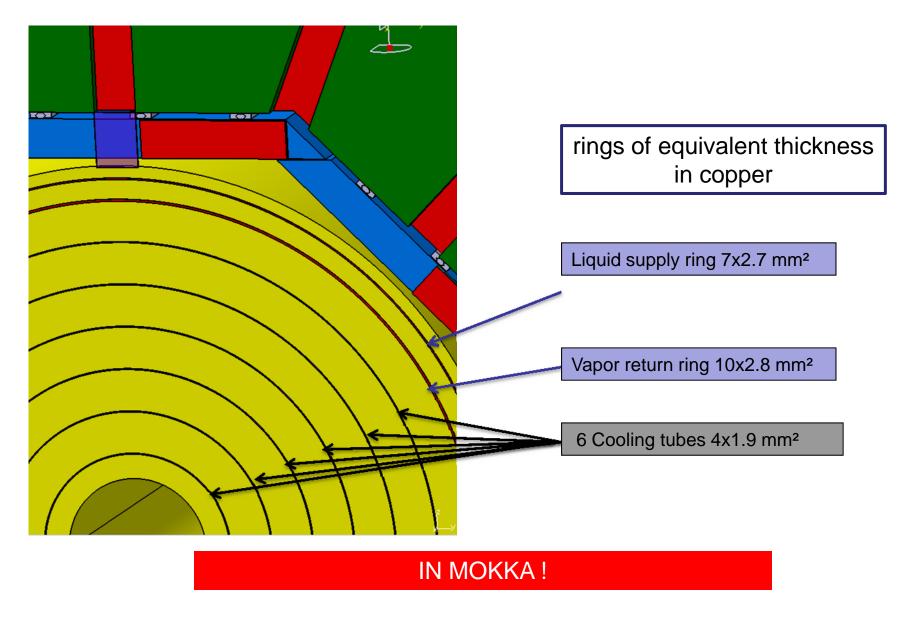
- Internal Si tracker devices:
 - VXD missing external cables and services
 - SIT, SET and ETD from SiLC without overlaps, but missing external supports and cables
 - FTD with a detailed geometry description,
 including internal supports and cables for disks
 4, 5, 6 and 7, but still missing:
 - a new implementation for disks 1,2 and 3.
 - external supports and cables for all



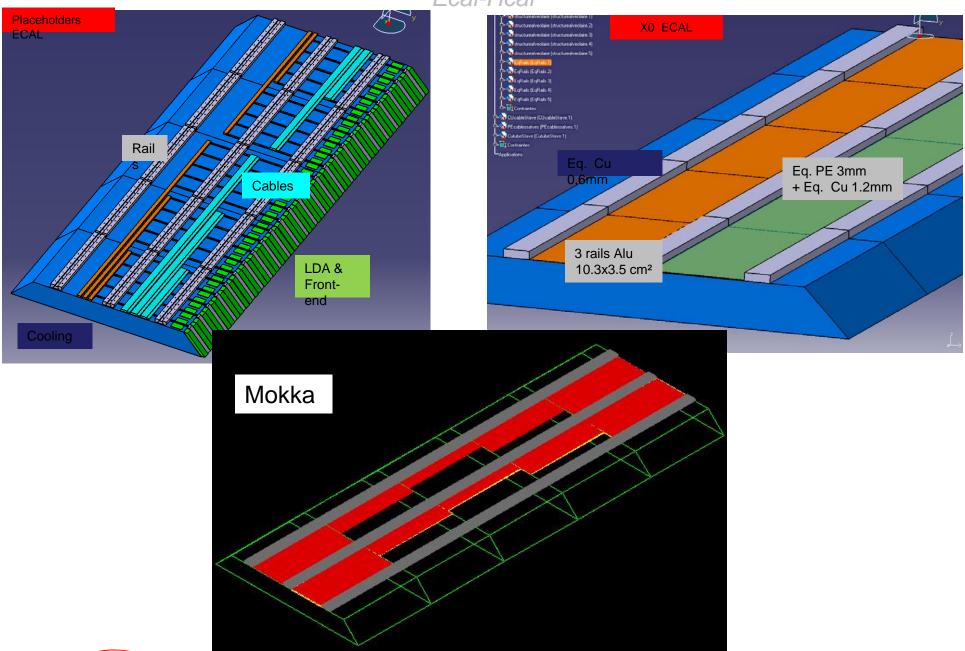
A first release for this week 2:

- TPC as before, with services
- Ecal mixing Si-Sc (thanks to Gabriel) with support, cables and services
- AHcal with electronics inside layers next to the Barrel-end cap gaps (thanks to Angela) and support, cables and services
 - ➤ All external supports, cables and services for TPC, Ecal and AHcal drivers are implemented in the new driver Services (thanks to Gabriel)

Barrel services : dead materials



Ecal-Hcal



C.Clerc

ILD integration meeting, CERN

Barrel services : dead materials

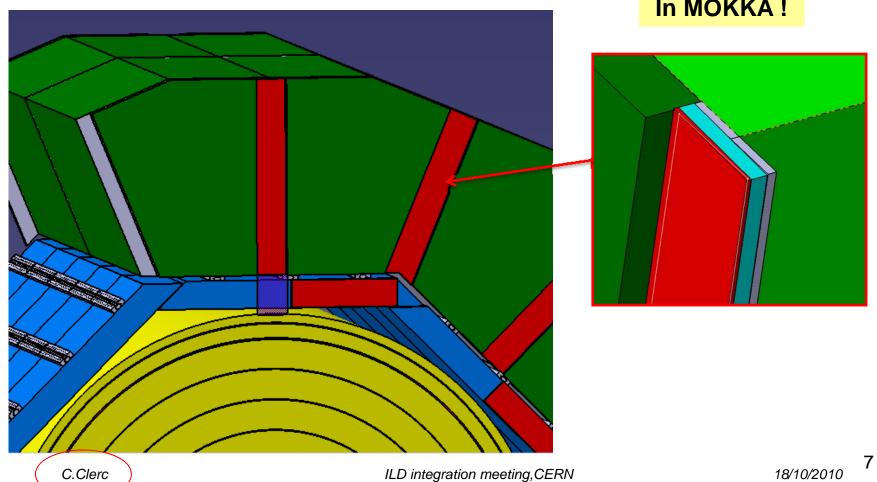
In the 16 ways in front of Hcal

- •Support SS 1.5 cm thick
- Polyethylene

•Cu

	Z-	Z+	Average
Cu (mm)	0,82	0,74	0,78
Cu X0	57,01%	51,41%	54,21%
PE	2,75	2,56	2,65
PE XO	5,85%	5,44%	5,65%

In MOKKA!



Barrel services : dead materials

In the 8 ways in front of Ecal stave

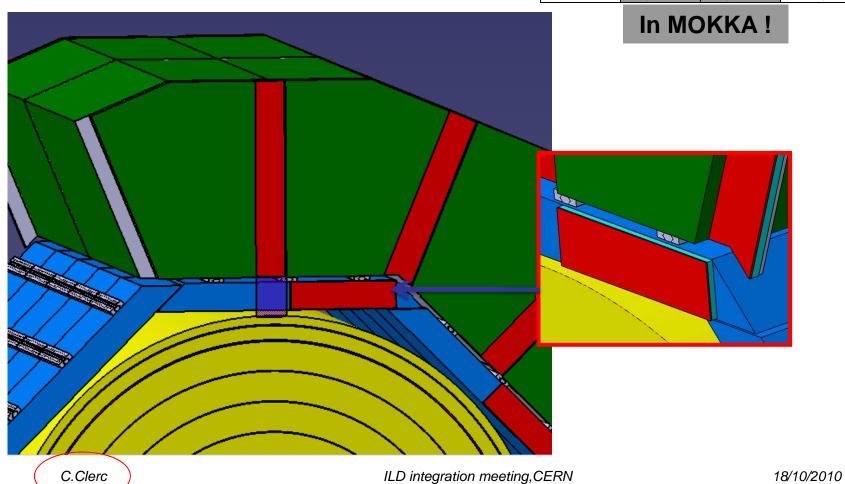
Polyethylene

•Cu

Ecal front part

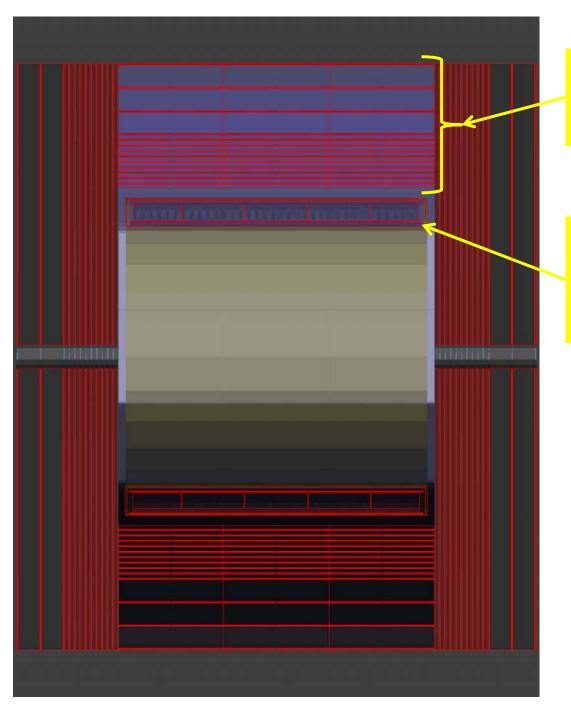
	Z-	Z+	Average	
Cu (mm)	0,52	0,35	0,44	
Cu X0	36,34%	24,22%	30,28%	
PE	1,24	0,83	1,04	
PE XO	2,65%	2,20%	2,43%	

8



A first release for this week 3:

- Coil and Yoke from Saleviev
 - A better geometry description
 - But muons chambers to be foreseen
- New Lumical from Bogdan, faster and with a better geometry description
- BeamCal from Sailer
 - a better implementation for CLIC
 - But to check with the ILD baseline
- The old LHcal



Muon chambers inside Yoke in the right place?

Detailed Coil, but with muons chambers inside?

And next?

- Probably a few weeks to check, debug and improve this new release
- But still missing for the DBD studies:
 - Disks 1,2 and 3 for the FTD ? (Jordi?)
 - External supports, services and cables for VXD, SIT, FTD and SET?
 - The all depends on mechanical designs which don't exist yet! (Mathieu & Henri working on an external support for SIT and FTD...)
- So impossible to define a timescale.

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Conclusion

- A first ILD_01 "unstable" model will be released this week with a new Mokka tag
- A few weeks are necessary to check, debug and improve this release
- More developments depends on mechanical designs
- So impossible to define a timescale for an ILD_01 model in simulation, for the DBD studies.

ILD Software experts at Cern – 10/18/2010 - Paulo Mora de Freitas (LLR)