

# Rack Layout Developments

**Murrough Landon – 17 July 2001**

<http://www.hep.ph.qmw.ac.uk/~landon/talks>

## **Presentation at Mainz**

- Pressure to fill Chris Parkmans rack database
- Suggested off-centre rack layout
- Slightly lukewarm response
- Some open questions: holes, internal walls, outlying racks?

## **Developments since Mainz**

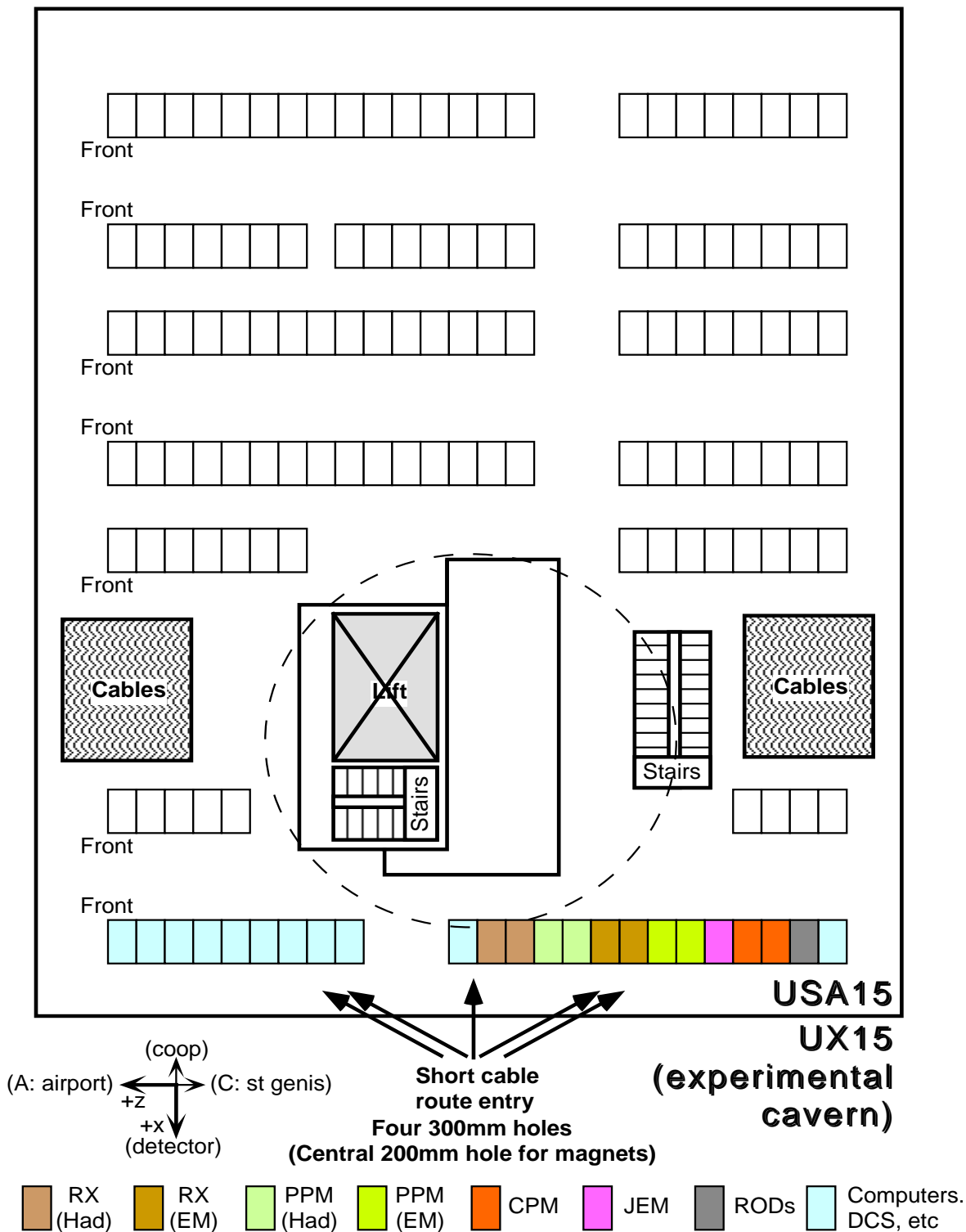
- The internal wall really is a wall!
- Final hole layout is now known: central hole now reserved for magnet cables...
- ...so the latency of the off-centre layout is no longer so advantageous

## **How to agree?**

- Holes permit either central or off-centre layout
- Off-centre layout may still have slightly lower latency and has fewer racks with restricted working space
- The racks on the side we aren't using still need to be reserved for possible future use by level 1.

## USA15 Niveau 2

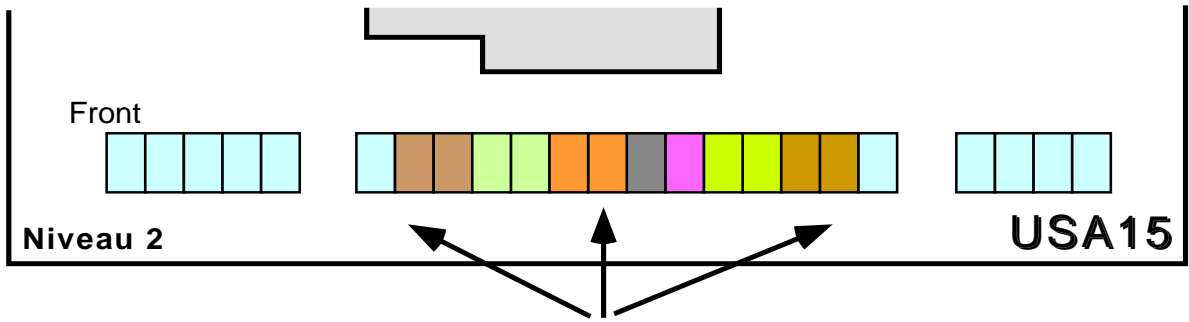
Plan view of racks. Those provisionally allocated to the level 1 trigger (calorimeter, muons, CTP etc) are shown in colour.



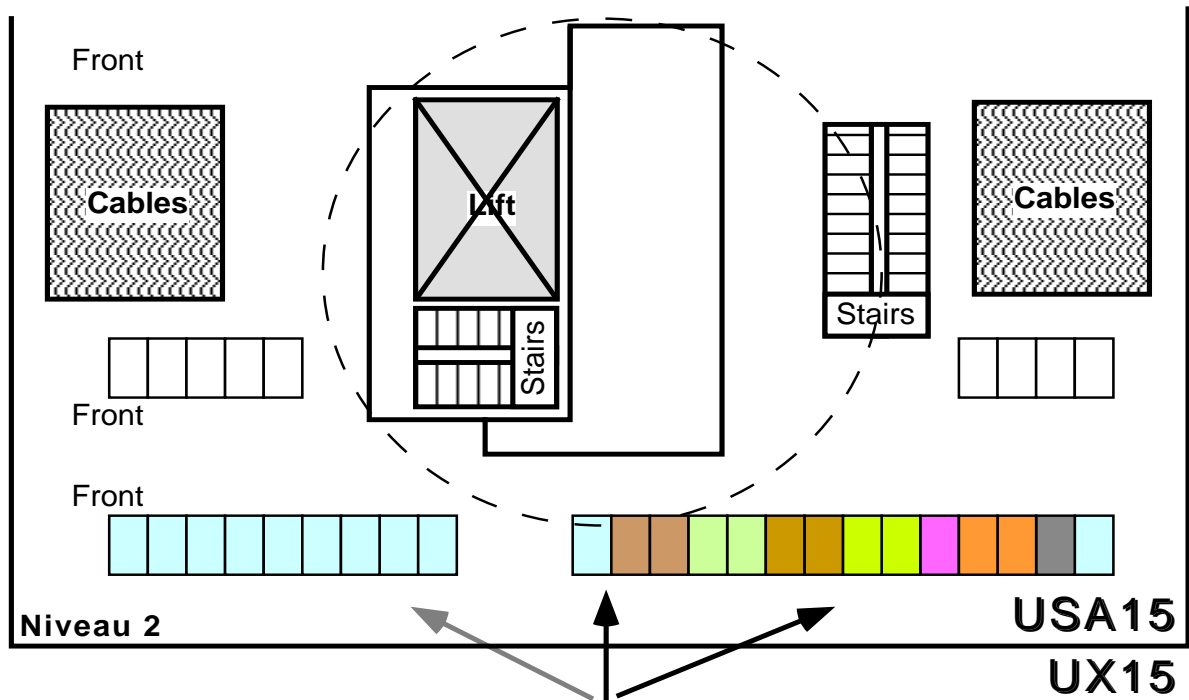
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## Previous suggestion for calo trigger



## New suggestion



## Current layout for muons

