

MEC Workshop



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Space around TS

Top Platform

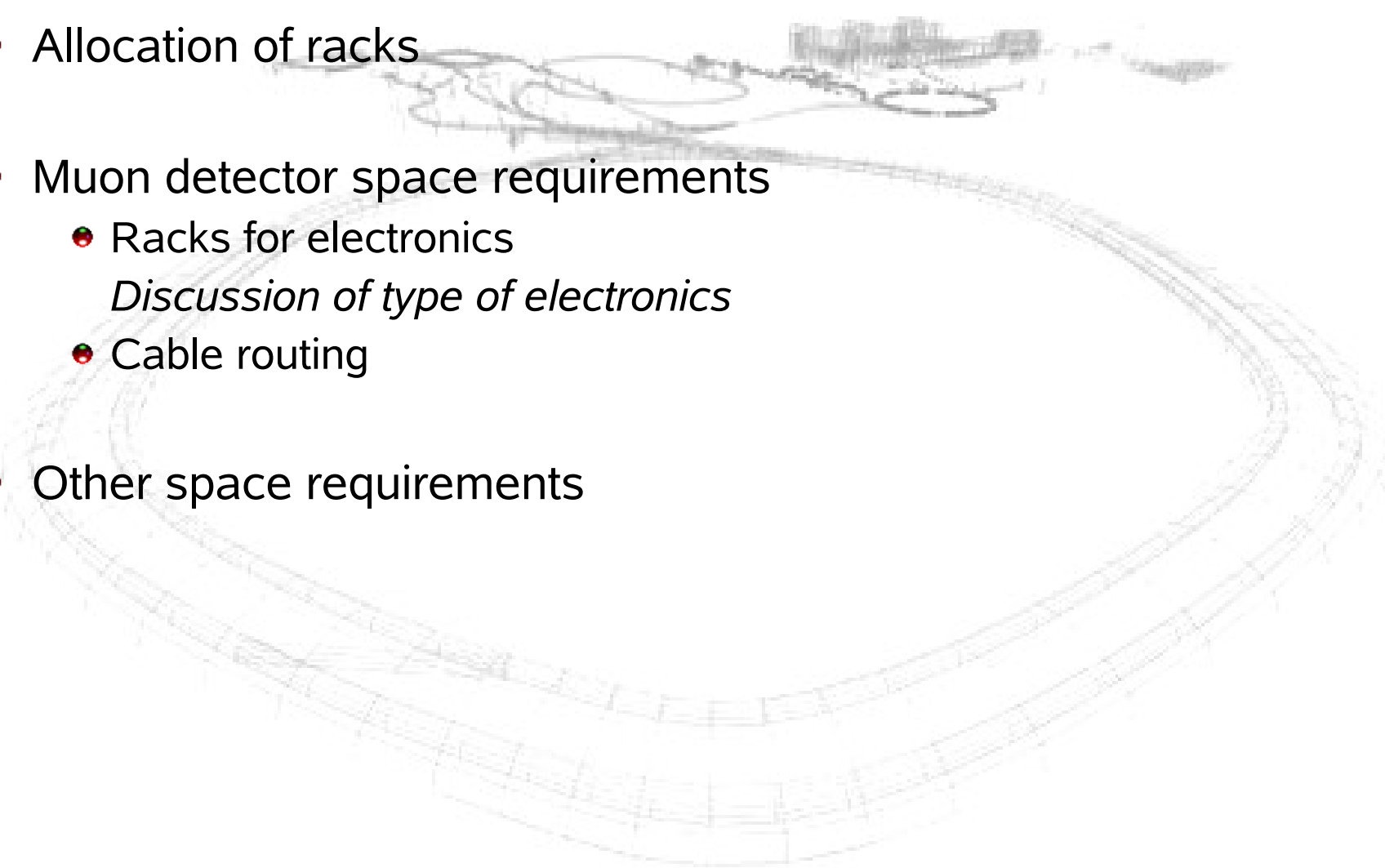
Forward Endcap

Backwards Service Routing

Space around TS Barrel



- Allocation of racks
- Muon detector space requirements
 - Racks for electronics
 - Discussion of type of electronics*
 - Cable routing
- Other space requirements



- Main purpose: Services for target
- Magnet requirements:
 - Control dewar and valve box for cryo connection
 - Power supply outside radiation area on cryo platform (with liquefier)
- Further applications: muon electronics

- Forward endcap installation
 - Platform and mounting carriage
 - Platform also holds barrel EMC mounting beam
- TS Barrel service duct occupancy
 - Forward Endcap EMC
 - Disc DIRC
 - GEM Tracker
 - Muon Detectors

● Straw Tube Tracker

- Setup in two independent halves
- Cables and supplies routed through festoons
- Uncablings not needed in service position
- No patch panels needed
- See MEC Workshop in April 2015:

<https://indico.gsi.de/conferenceDisplay.py?confId=3495>

and

<https://indico.gsi.de/materialDisplay.py?contribId=1&sessionId=0&materialId=slides&confId=3495>

● Micro Vertex Detector

- Patch panels on sides
- Routing parallel to beam pipe

● Backward Endcap EMC

- Patch panel on center bottom
- Separate movement from MVD and STT