Status of ALICE DAQ Upgrade

14/03/2018

CERN | EN ENGINEERING DEPARTMENT

Outline

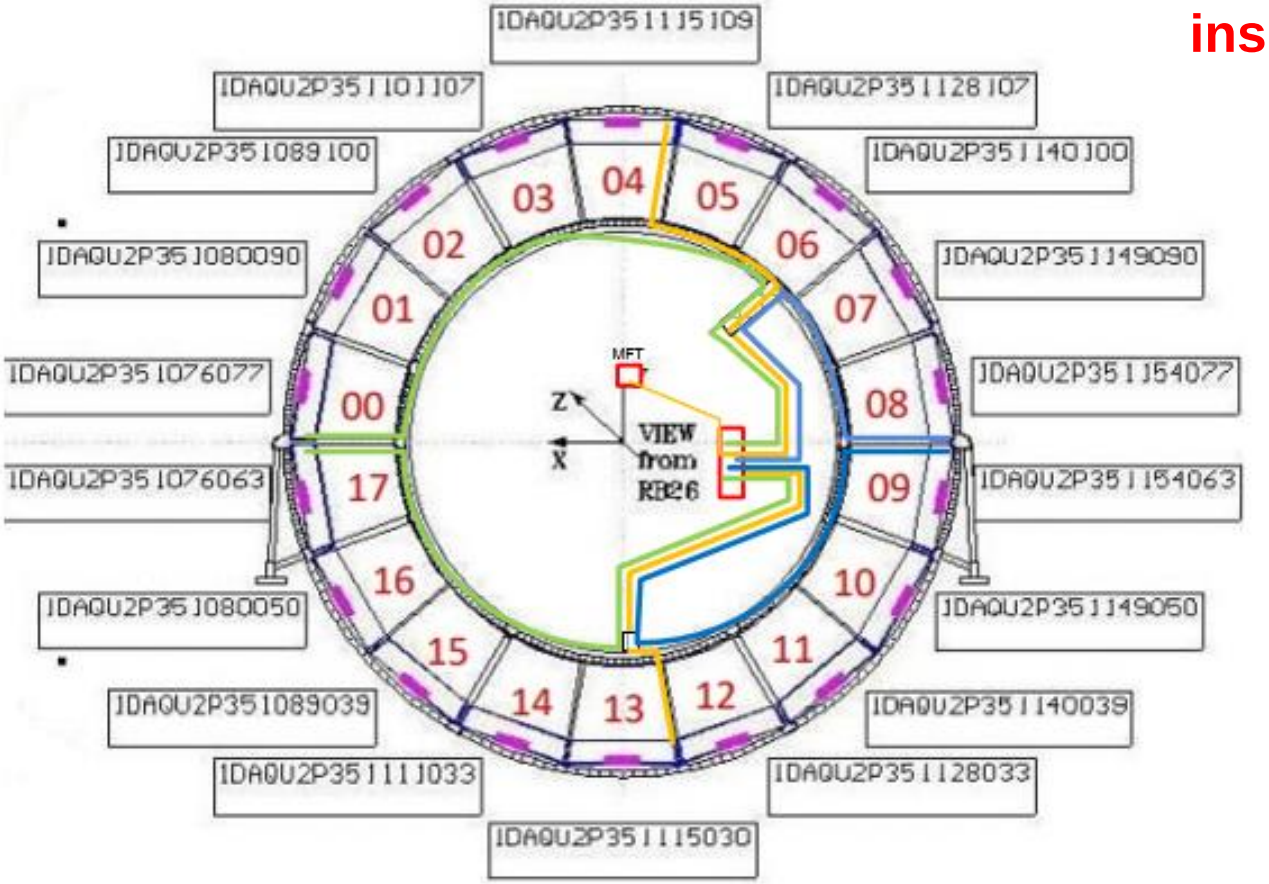
1. Cable lenghts

2. Pending cable trays

3. FIT

Cable lengths

Scaffolding or platform necessary to work inside L3 back frame



Longest path (TPC/TOF): FASS to Sector-17 (13.8m)
Longest path (MFT): 6.5m

Cable lengths (II)

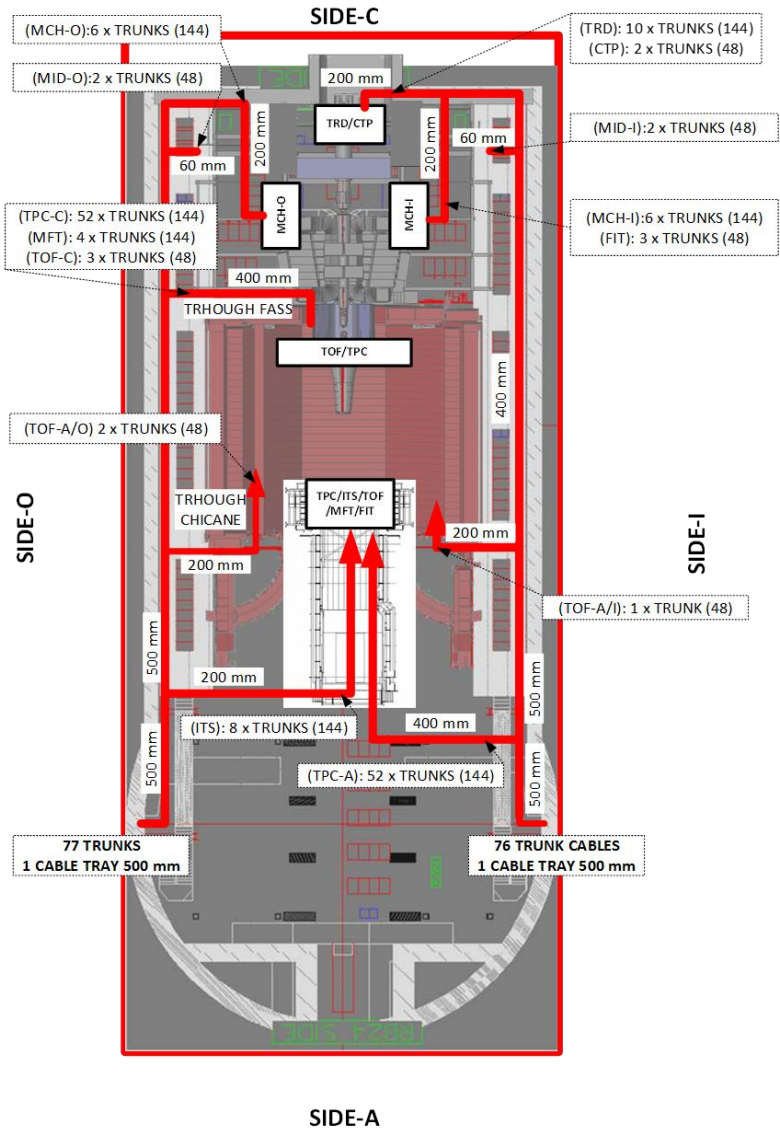
From end of cable tray to FASS entry point:

4.2m

Cable lengths (III)

Total cable length per sub-sytem:

	144 Fibers		48 Fibers	
Detector	Length (m)	Qty.	Length (m)	Qty.
TPC C side	120	52		
TPC A side	30	52		
TPC A side	85	52		
TOF A-I side			110	1
TOF A-O side			90	2
TOF C side			120	3
MCH	135	12		
MID			110	4
TRD	135	10		
ITS	30	8		
ITS	70	8		
MFT	120	4		
FIT			140	3
ZDC			30	2
CTP			140	2

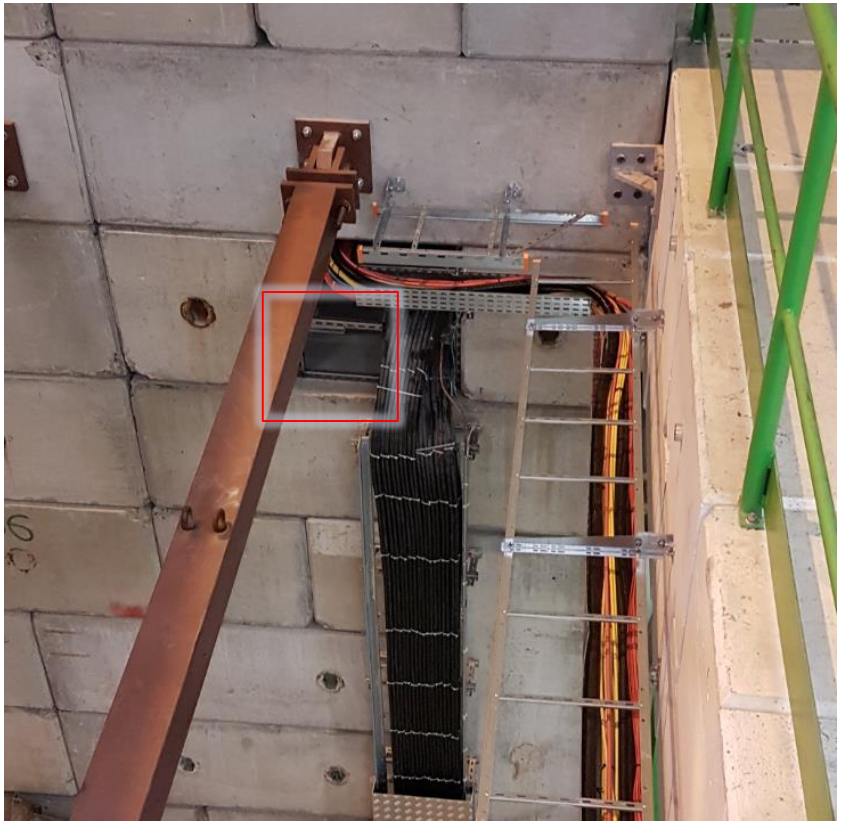


Pending cable tray request (I)

- ITS A-SIDE

Missing cable tray

8 trunks



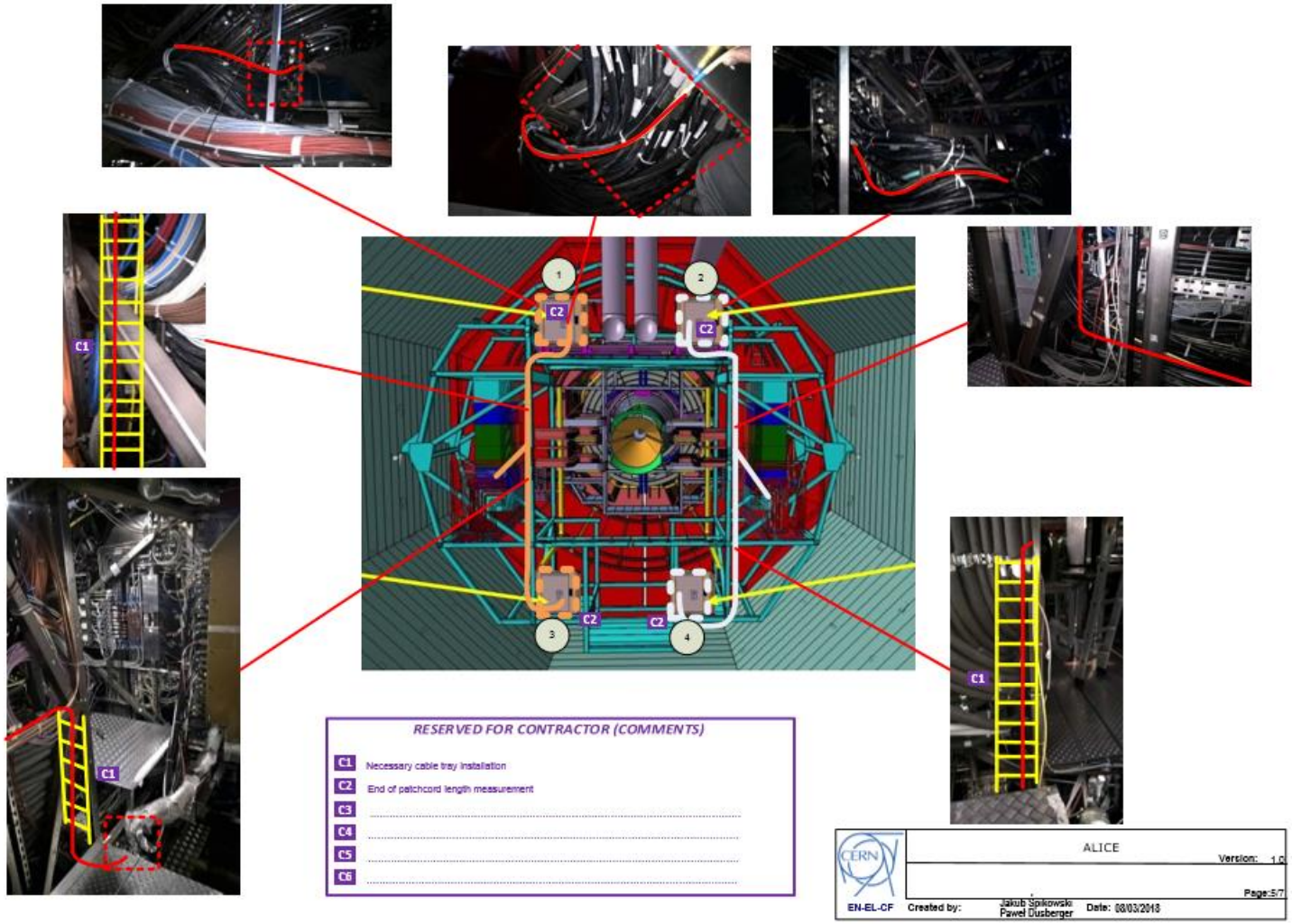
Pending cable tray request (II)

- L3 – MFT:

- TPC – A passage from concrete block to rack A19

Pending cable tray request (II)

TPC A-SIDE Mini-frame



FIT

Request for special dispersion compensated fibres:

- EN-EL-FC is not able to supply these fibres.
- The only special fibres that we are able to supply at that time are the radiation resistant single-mode and multi-mode fibres.

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Thanks for your attention.