

# Status of ALICE DAQ Upgrade

ITS

23/03/2018



ENGINEERING  
DEPARTMENT

# Cable paths

DAQ/Ctrl/Trg Trunk cables in the PIT:

**O-side path (70x144+7x48):**

ITS-I (4x144), ITS-O (4x144)

TPC (52x144)-TOF (3x48) C-side

MFT (4x144) Absorber

TOF-A (2x48)

MCH (6x144)-MID (2x48) O-side

**I-side path (68x144+9x48):**

TRD (10x144) + CTP (3x48 + 1x48 SM)

TPC (52x144) A-side

TOF (1x48) A-side

MCH (6x144) I-side

MID (2x48) I-side

FIT (3x48)

**GBTx/GPON cables:**

**In L3 (conventional cable):**

MFT (1x24 LC-GBTx)

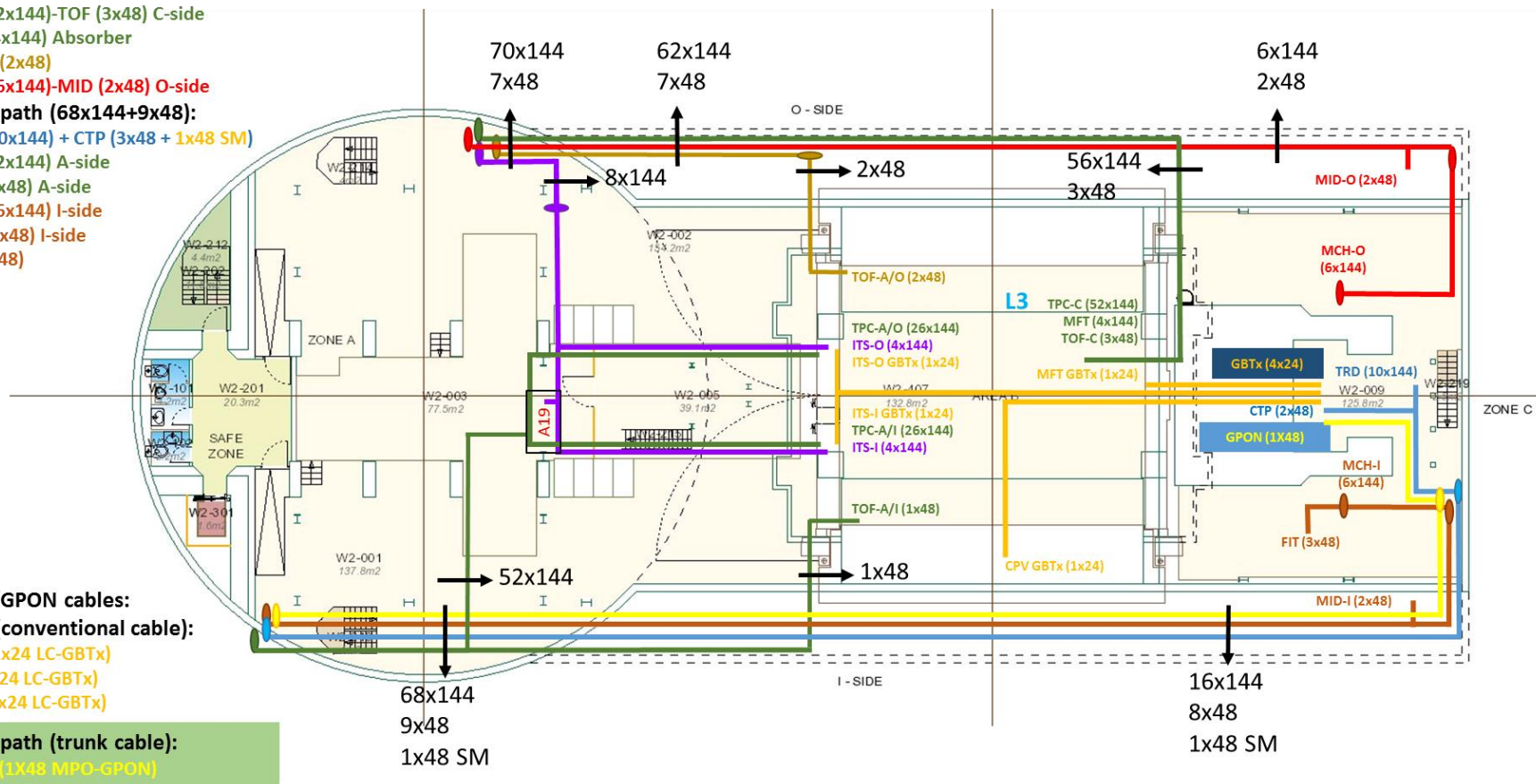
ITS (2x24 LC-GBTx)

CPV (1x24 LC-GBTx)

**I-side path (trunk cable):**

GPON (1x48 MPO-GPON)

Trunk cable paths in the PIT



# Cable length

Measurements:

- Laser
- CATIA 3D
- Installation of mock-up cable on site

**Intermediate rack A19:**

- **ITS (CR1 to UX25 rack A19) = 95 m**
- **ITS (UX25 rack A19 to A-Side) = 27m**

**Direct path (CR1 to A-Side) without passing by rack A19**

- **ITS = 107 m**



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Thanks for your attention.