



GE1/1 Cabling scheme

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GE1/1 Cabling scheme

- LV cables and optical fibers are not in place (racks to GE1/1 position)
- HV cables are already there from PP to chamber. One cable for two super chamber with two lines inside. But depends which solution we use.
- Drawing?









Full GE1/1 LV System by using CAEN Option1

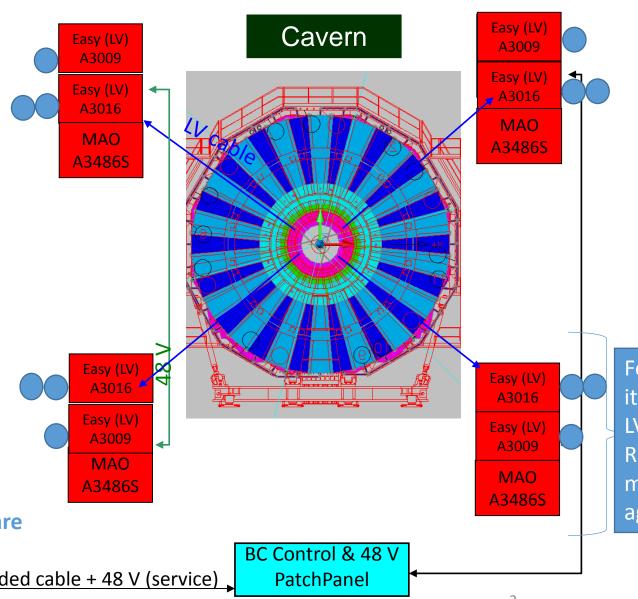


Existing MAO, EASY Crates and Branch Controllers can be used

144 Channels

24 LV boards (12 +side and 12 - side) 3 boards in each level

NO Additional Space required in the racks



For Slice test it is place for LV modules if **RPCs** management agrees

48v services and DCS cables are there for existing setup

Control shielded cable + 48 V (service)

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Full GE1/1 LV System by using CAEN Option 2



24 LV boards A3016

Additional hardware

6 EASY Crates 3000S

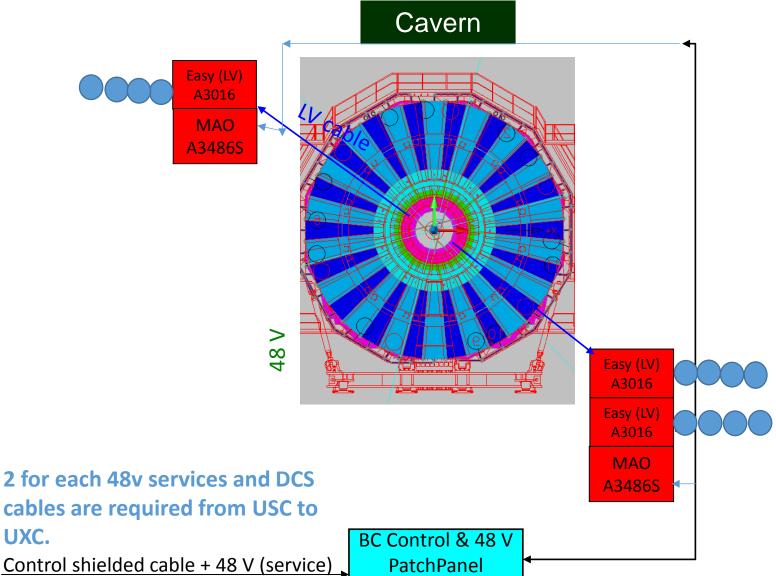
6 fan units

2 branch controllers

6 MAOs

Additional Space:

20 U in one rack 10 U in second rack





cables are required from USC to UXC.

Control shielded cable + 48 V (service)

Cabling matter need to fix

CM.

- LV cables
 - One or two per GEM (OHB and GEB)
 - Current and voltage values for each
 - Diameter, types and length
- Optical fibres
 - Dimensions
 - Final destination from GEM to.....
 - How much per GEM
- Alignment cables
 - Dimensions and quantity per GEM or per station
 - Final destination from GEM or station to.....
- HV system Selection
 - CAEN
 - Florida
 - Existing cable dimensions
 - USC to UXC cabling