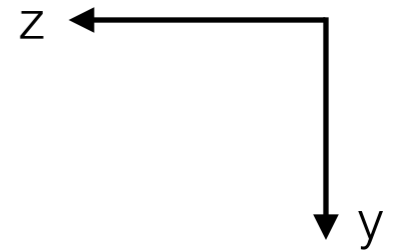


CRT Top Section Layout

David Lorca

Top Section

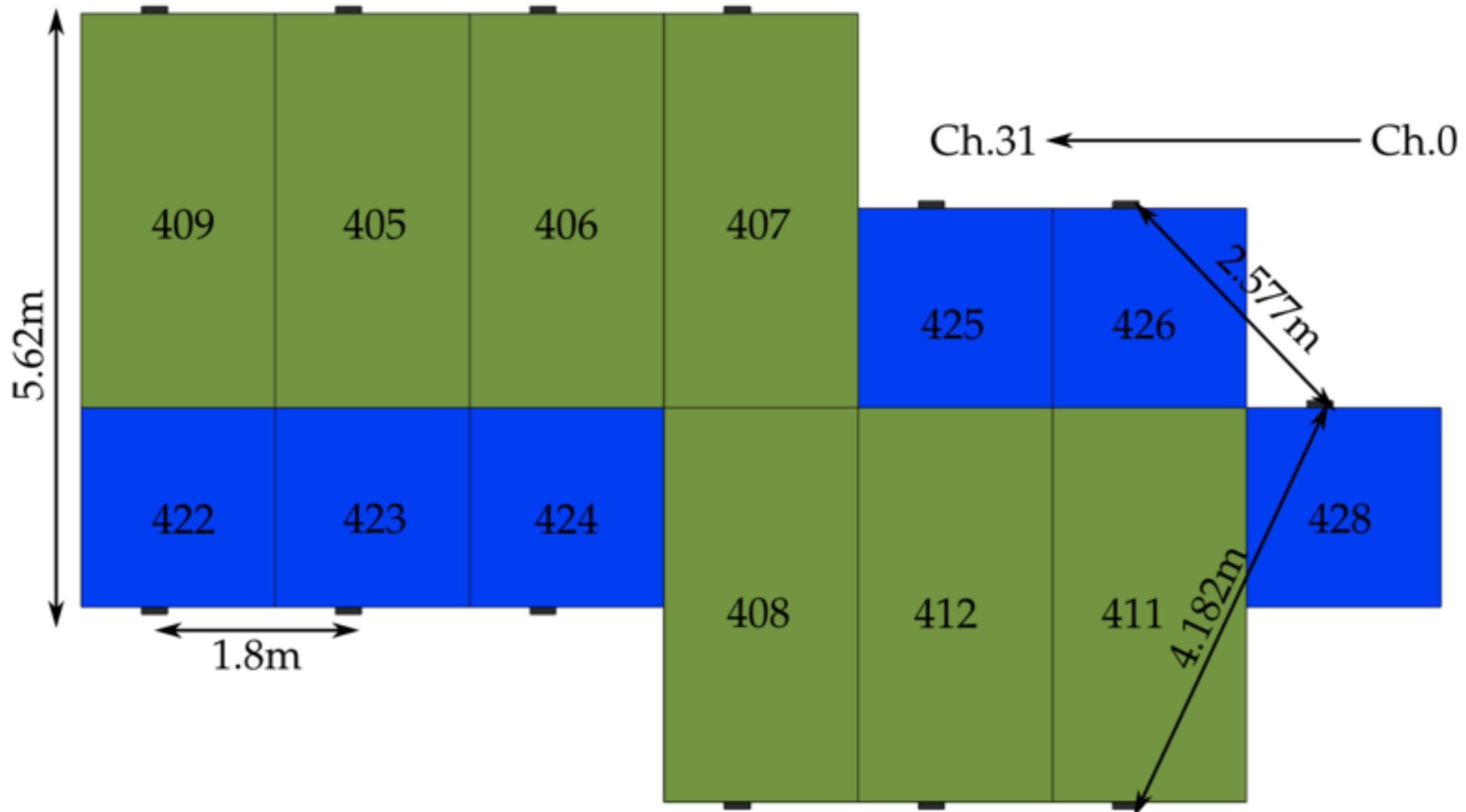


Layer 1 (13 modules)

Beam direction



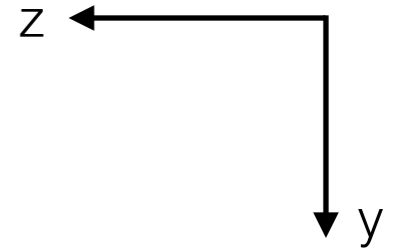
Feedthrough Side



Pipe Side

Blue: 1.8m (L) x 1.8m (W)
Green: 3.6m (L) x 1.8m (W)

Top Section

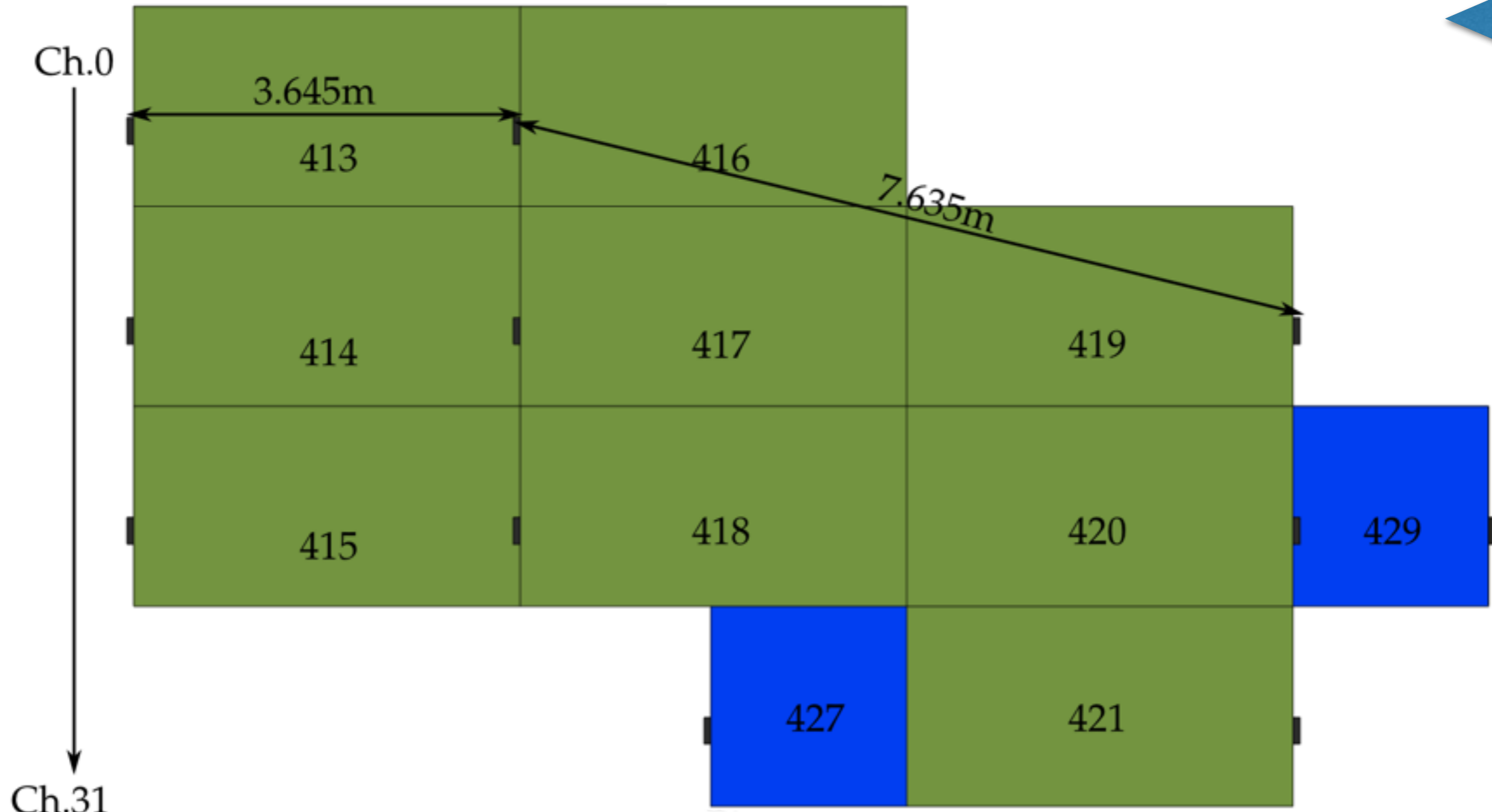


Beam direction



Feedthrough Side

Layer 2 (11 modules)

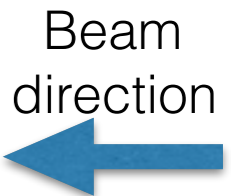
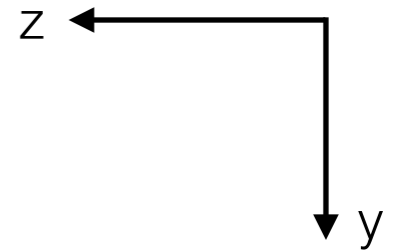


Ch.0

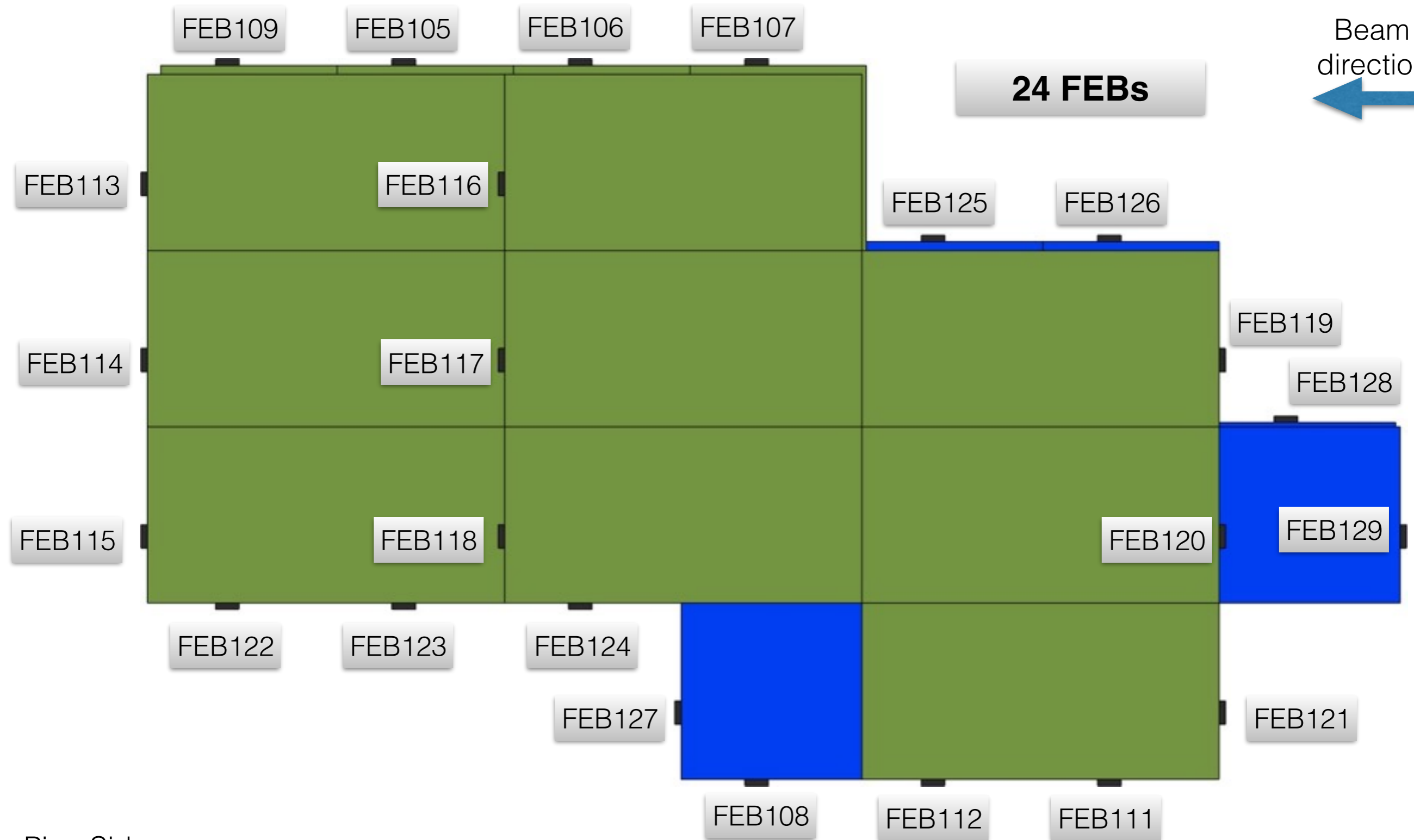
Ch.31

Pipe Side

Top Section

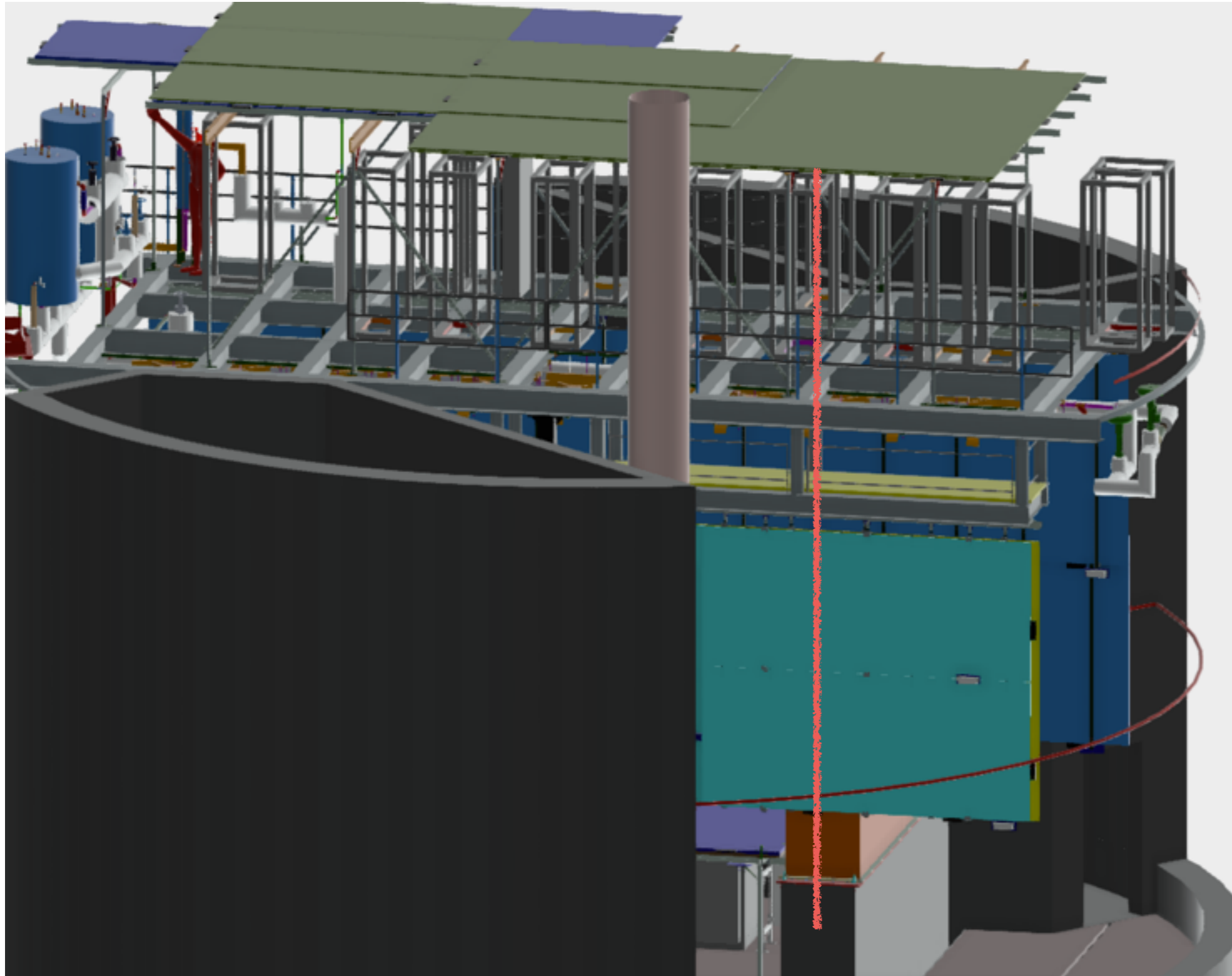


Feedthrough Side



Pipe Side

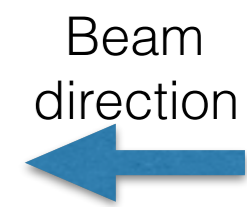
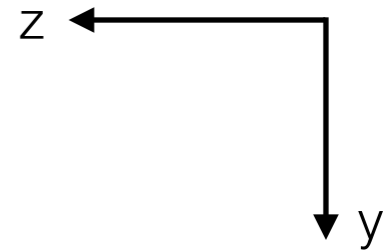
Top Section



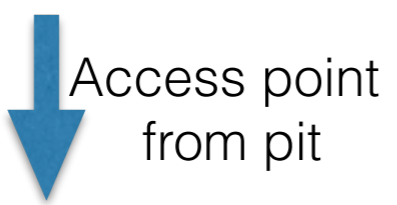
Access point
to Top section

Cable tray?
Fix to modules?

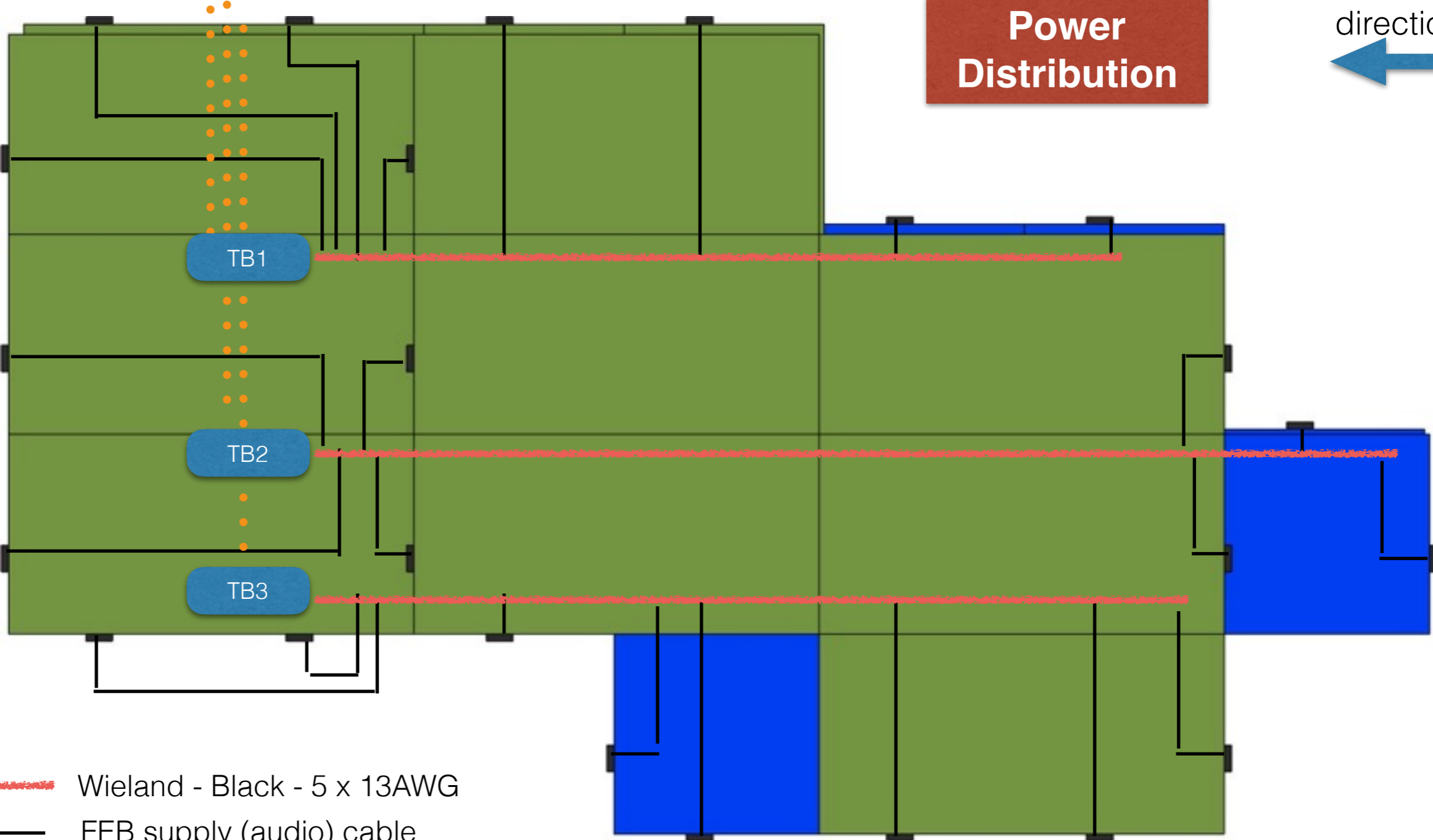
Top Section






Feedthrough Side



Power Distribution



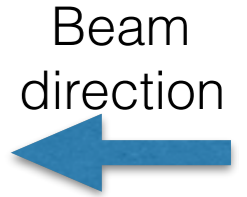
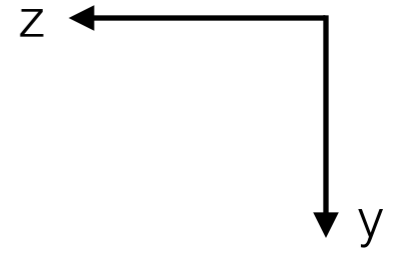
-  Wieland - Black - 5 x 13AWG
-  FEB supply (audio) cable
-  6x12 AWG to Wiener PS

Pipe Side

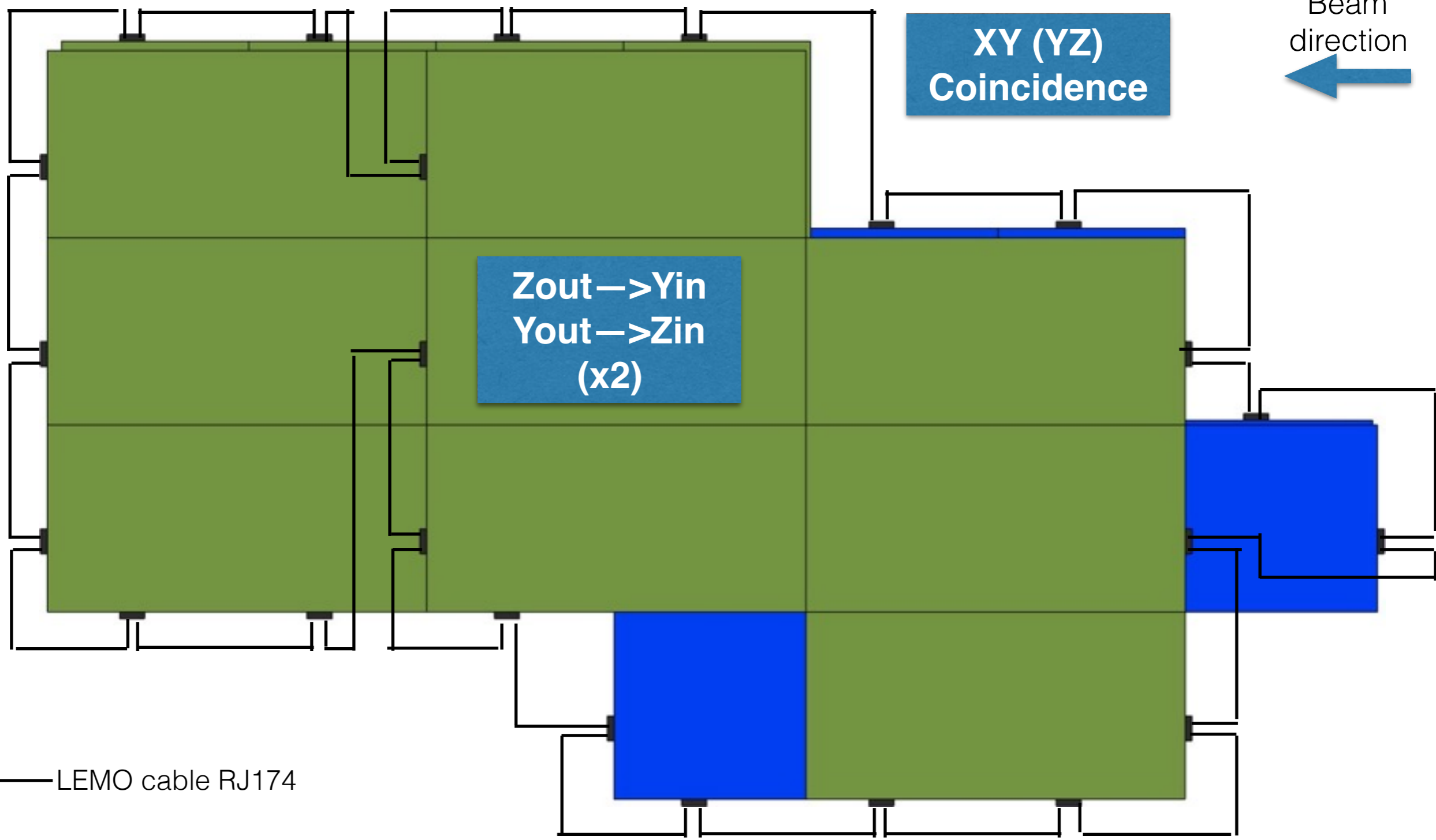
Power Lines

	Length from PS (m)	Power line (Wieland / m)	FEBs connected
TB1	18	10	8
TB2	20	12	8
TB3	22	10	8

Top Section

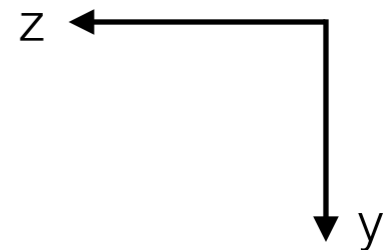


Feedthrough Side



Pipe Side

Top Section



Feedthrough Side

Access point from pit

50 ohm terminator

GPS & Beam T. Reference

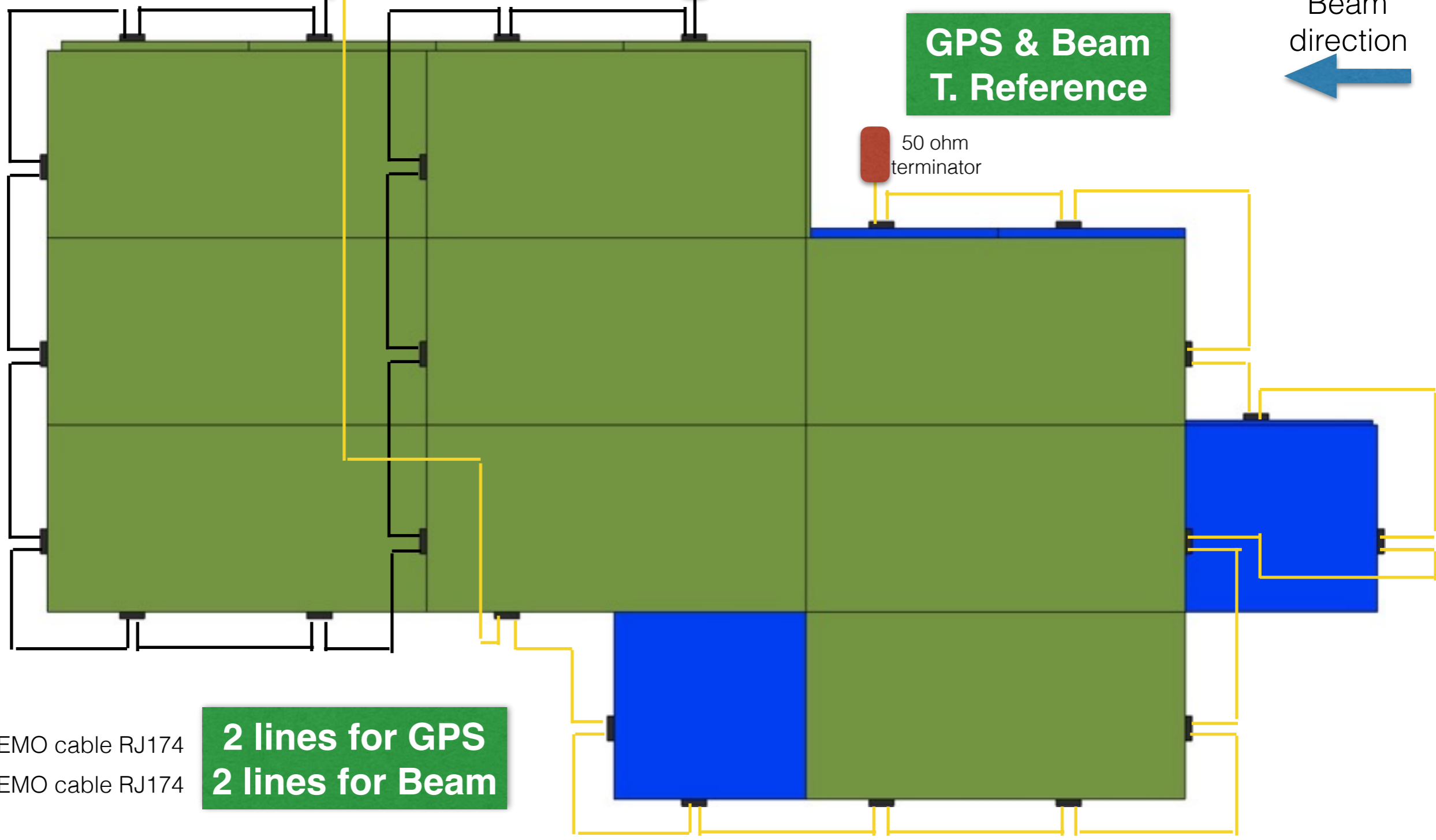
Beam direction

50 ohm terminator

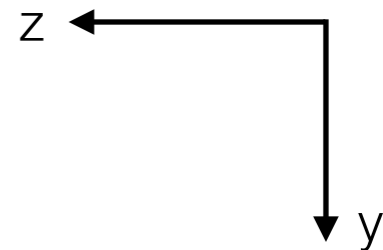
**2 lines for GPS
2 lines for Beam**

— LEMO cable RJ174
— LEMO cable RJ174

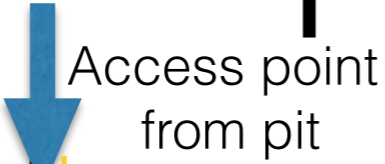
Pipe Side



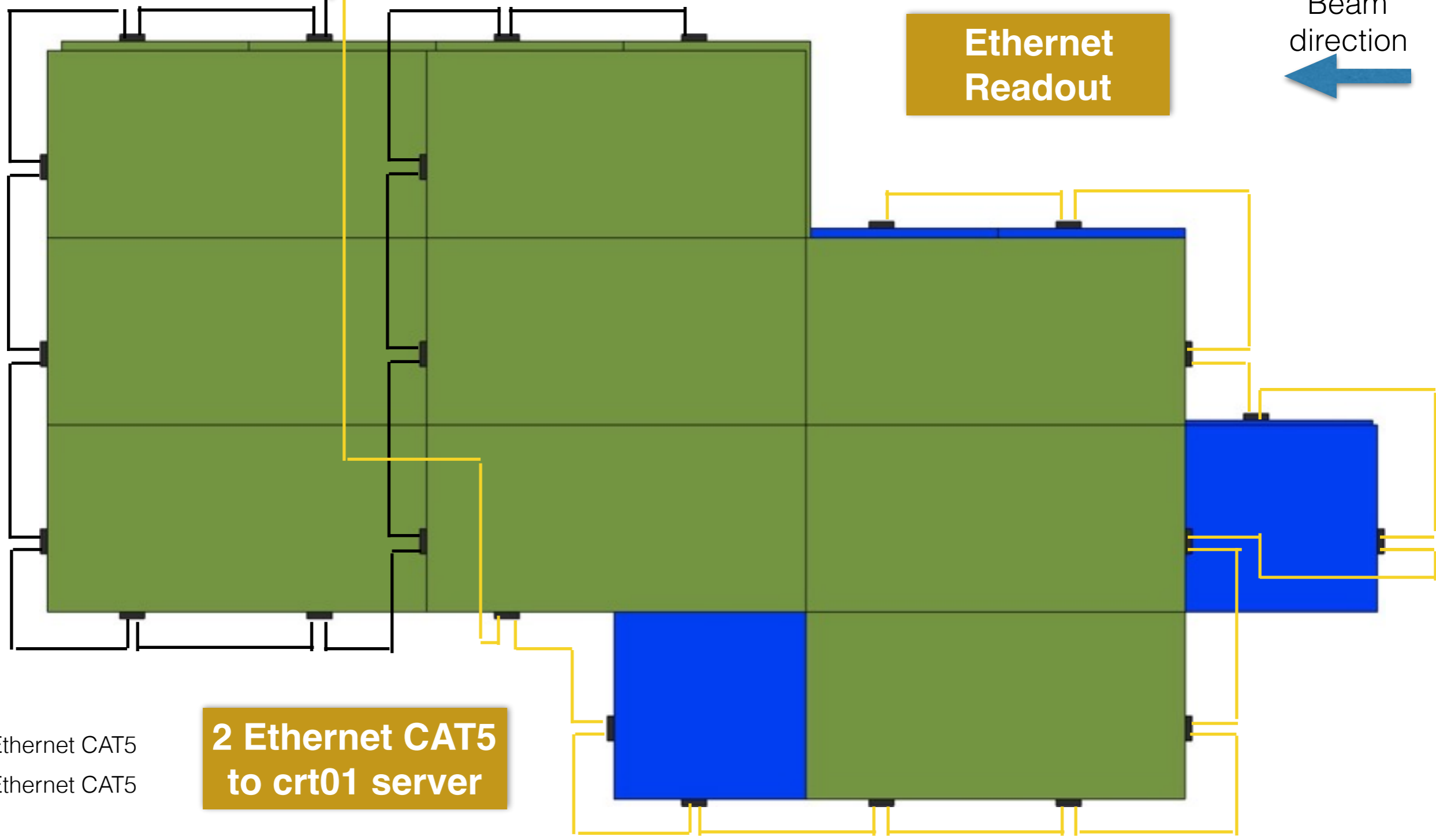
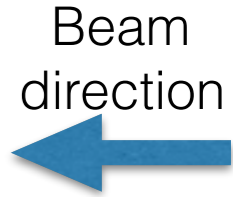
Top Section



Feedthrough Side



Ethernet Readout



2 Ethernet CAT5 to crt01 server

- Ethernet CAT5
- Ethernet CAT5

Pipe Side