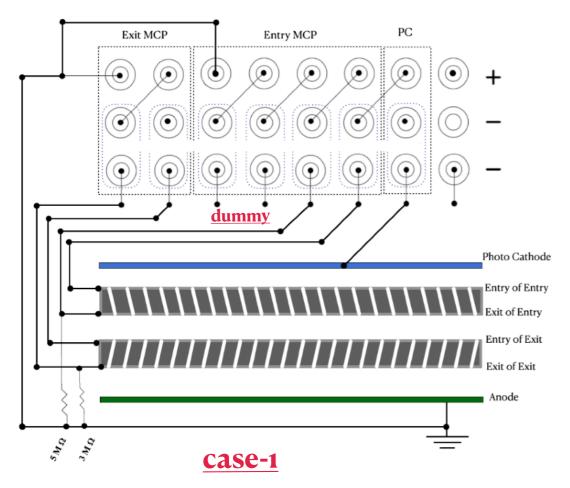
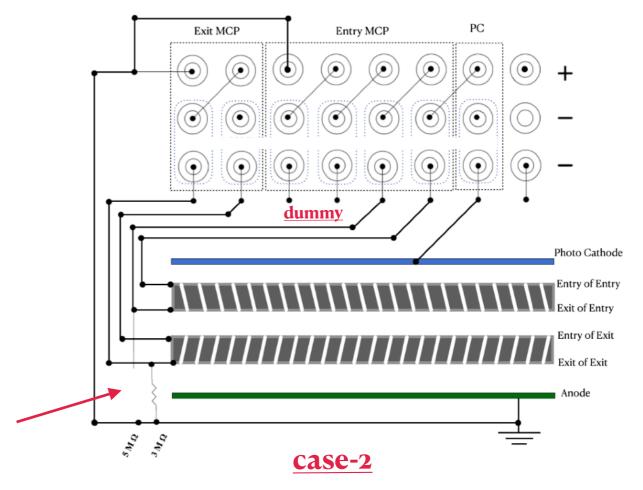
Understanding the HV Scheme with DT1415

Deb Sankar Bhattacharya,
Chandradoy Chatterjee,
Silvia Dalla Torre,
Richa Rai
Fulvio Tessarotto,
1 Sept 2023,
Internal Group Discussion, INFN, Trieste



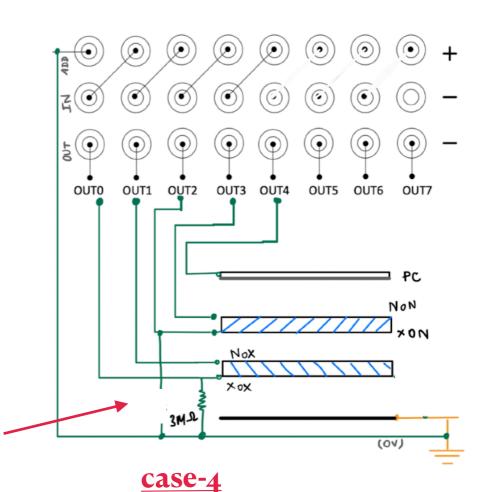
Electrodes	diff V_in [V]	Current [µA]
Exit of Exit	200	81.15
Entry of Exit	850	258.91
dummy	200	251.66
dummy	850	251.35
Exit of Entry	200	251.05
Entry of Entry	850	217.91
PC	100	0.19



Electrodes	diff V_in [V]	Current [µA]
Exit of Exit	200	82.96
Entry of Exit	850	258.75
dummy	200	0.58
dummy	850	0.34
Exit of Entry	200	O.11
Entry of Entry	850	216.89
PC	100	0.17

| NoN | Non

no dummy channels



case-3

(ov)

Electrodes	diff V_in [V]	Current [µA]
Exit of Exit	200	342.80
Entry of Exit	850	551.39
Exit of Entry	200	253.04
Entry of Entry	850	239.99
PC	100	0.01

Electrodes	diff V_in [V]	Current [µA]
Exit of Exit	200	97.65
Entry of Exit	850	304.65
Exit of Entry	200	2.22
Entry of Entry	850	239.32
PC	100	0.05

<u>case-1</u> <u>case-2</u>





case-3



case-4



<u>case-1</u> <u>case-2</u>

Electrodes	diff V_in [V]	Current [µA]
Exit of Exit	200	81.15
Entry of Exit	850	258.91
dummy	200	251.66
dummy	850	251.35
Exit of Entry	200	251.05
Entry of Entry	850	217.91
PC	100	0.19

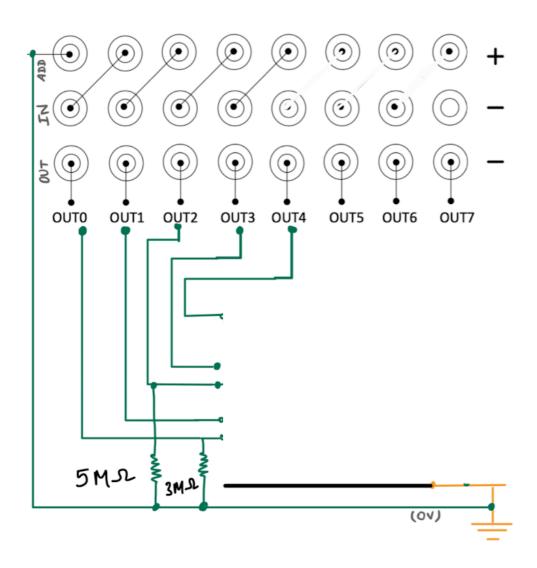
case-3

Electrodes	diff V_in [V]	Current [µA]
Exit of Exit	200	342.80
Entry of Exit	850	551.39
Exit of Entry	200	253.04
Entry of Entry	850	239.99
PC	100	0.01

Electrodes	diff V_in [V]	Current [µA]
Exit of Exit	200	82.96
Entry of Exit	850	258.75
dummy	200	0.58
dummy	850	0.34
Exit of Entry	200	0.11
Entry of Entry	850	216.89
PC	100	0.17

case-4

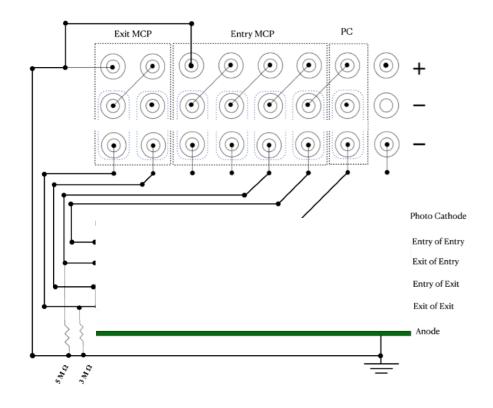
Electrodes	diff V_in [V]	Current [µA]
Exit of Exit	200	97.65
Entry of Exit	850	304.65
Exit of Entry	200	2.22
Entry of Entry	850	239.32
PC	100	0.05

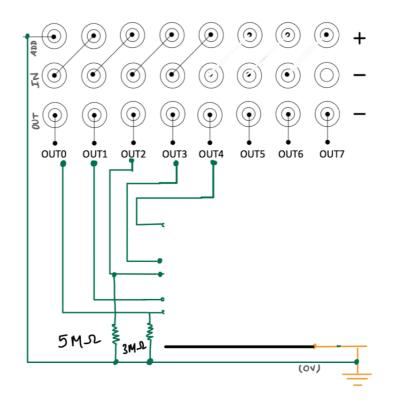


case-6

WITHOUT dummy channels All LAPPD electrodes are open Resistances (to ground) are still connected

Electrodes	diff V_in [V]	Current [µA]
Exit of Exit	200	317.51
Entry of Exit	850	251.40
Exit of Entry	200	251.39
Entry of Entry	850	0.13
PC	100	O.11







- WITH dummy channels
- All LAPPD electrodes are open
- Resistances (to ground) are still connected

Electrodes	diff V_in [V]	Current [µA]
Exit of Exit	200	66.65
Entry of Exit	850	0.23
dummy	200	251.28
dummy	850	251.00
Exit of Entry	200	250.83
Entry of Entry	850	0.70
PC	100	0.18

case-6

- WITHOUT dummy channels
- All LAPPD electrodes are open
- Resistances (to ground) are still connected

Electrodes	diff V_in [V]	Current [µA]
Exit of Exit	200	317.51
Entry of Exit	850	251.40
Exit of Entry	200	251.39
Entry of Entry	850	0.13
PC	100	0.11