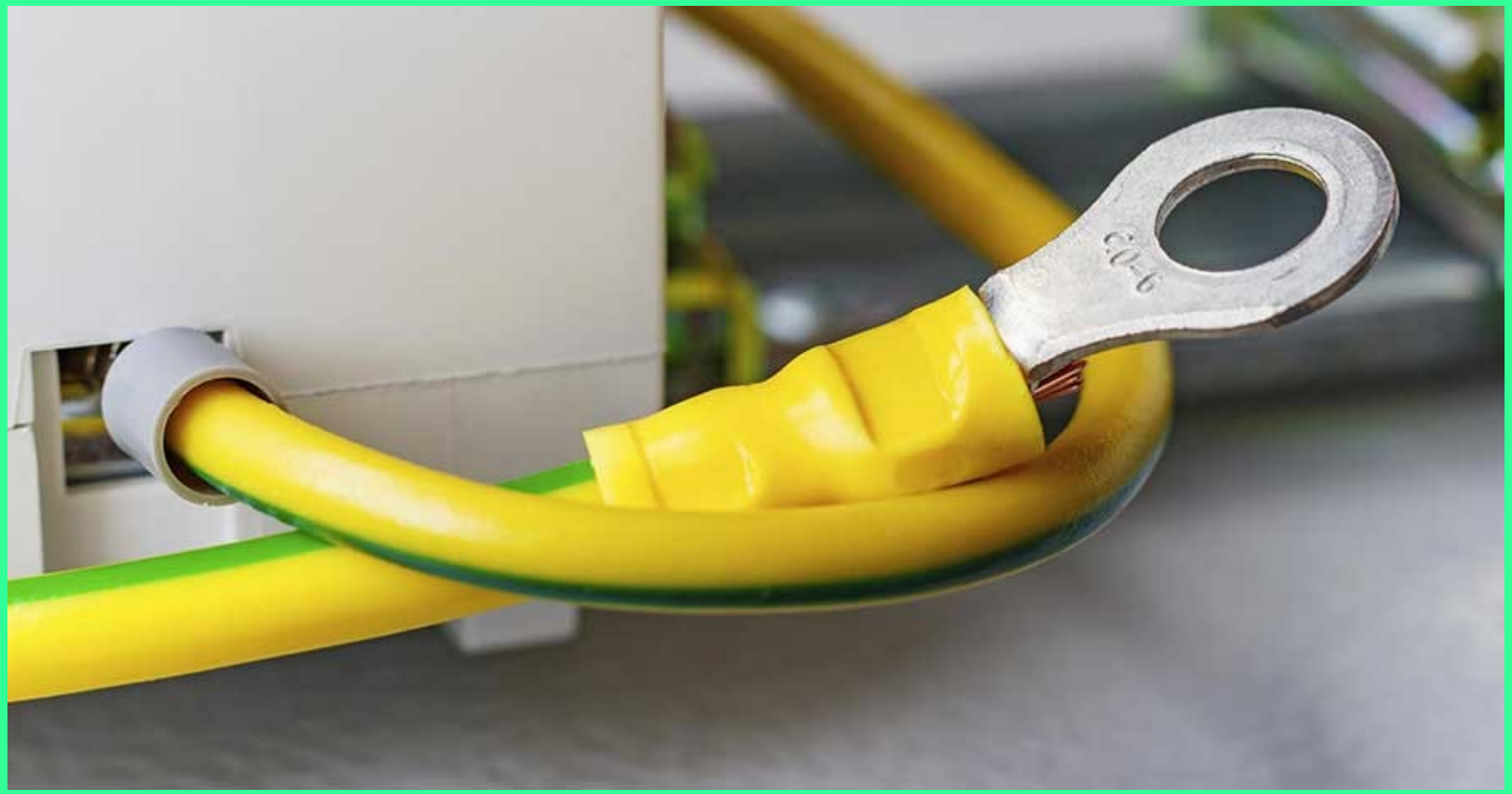
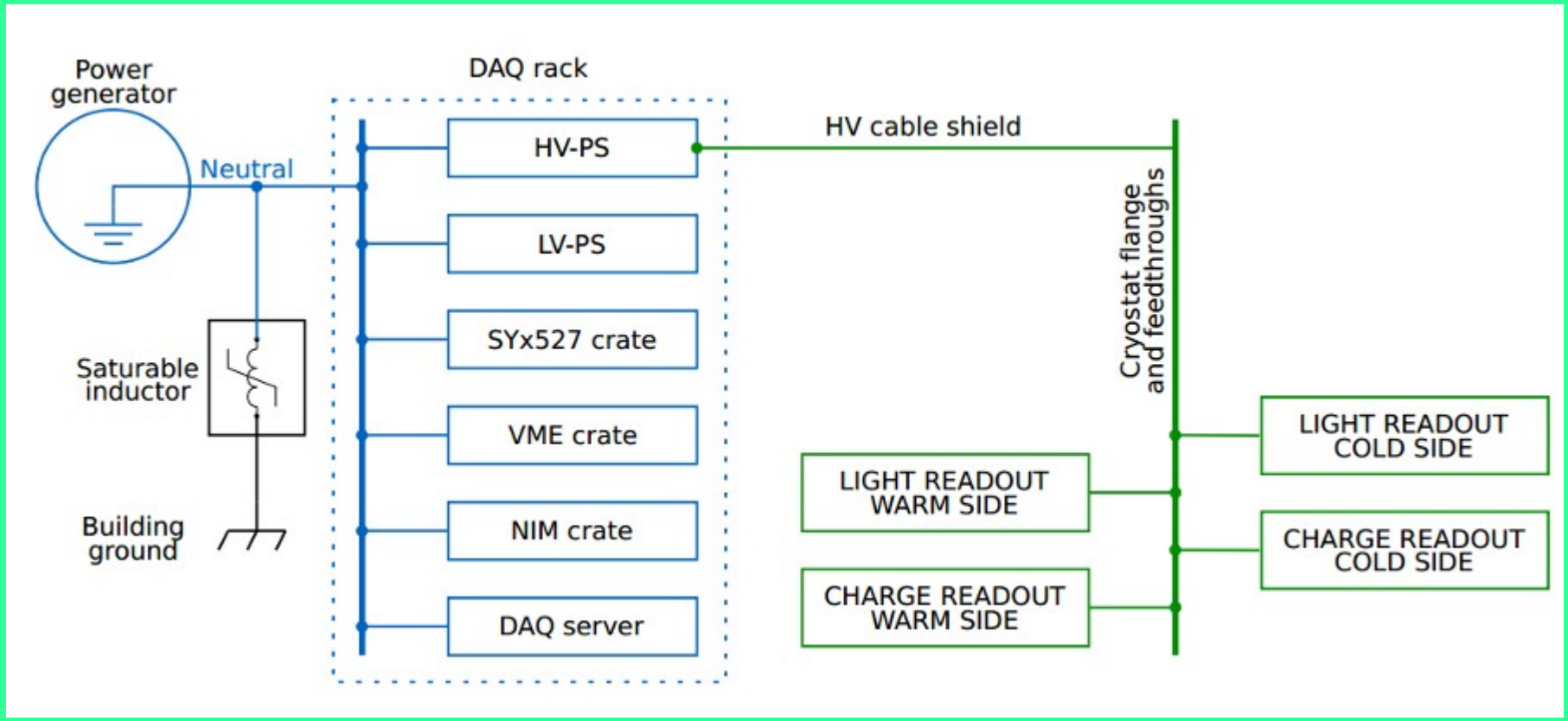
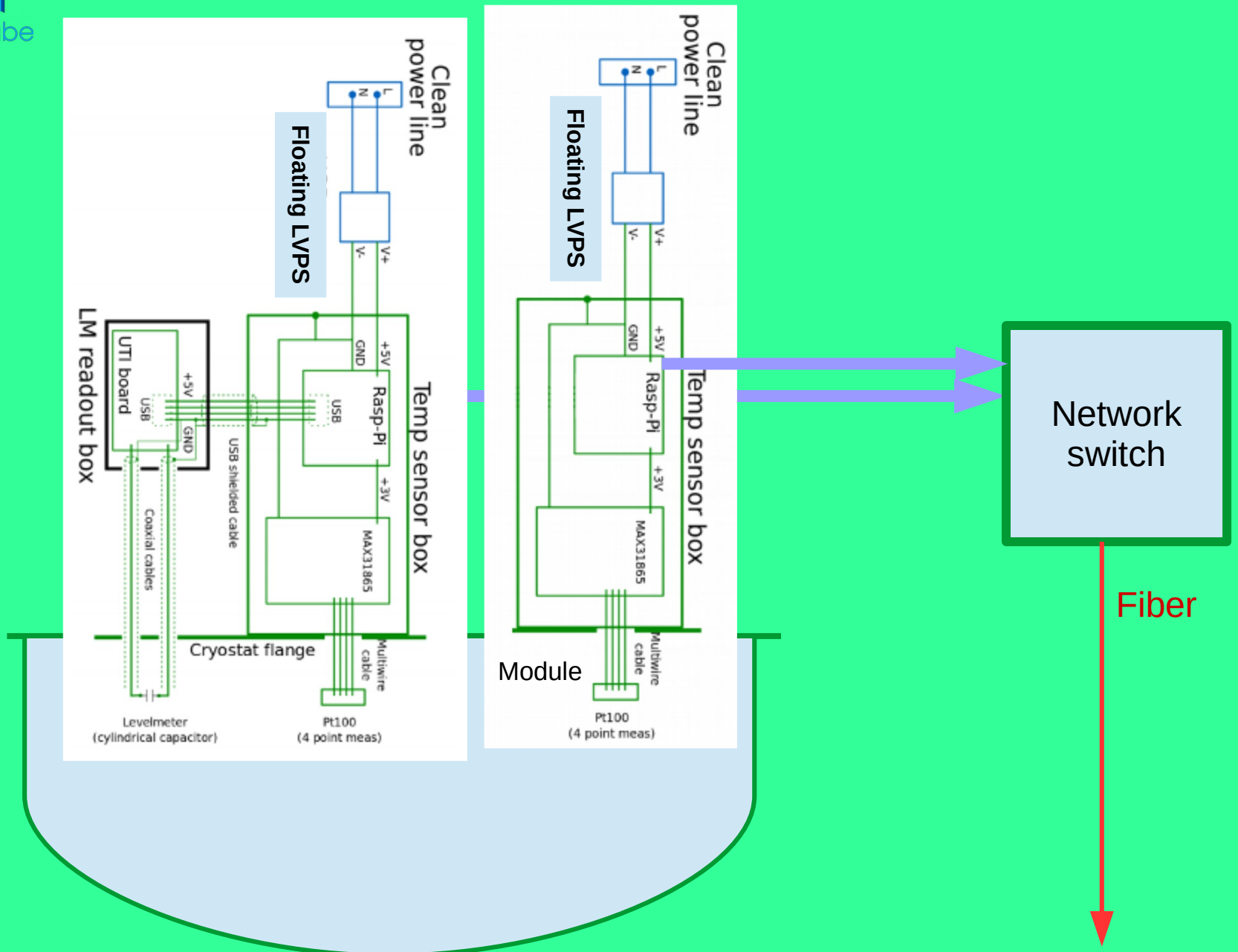
Mod0 and 2x2 (and ND) grounding issues



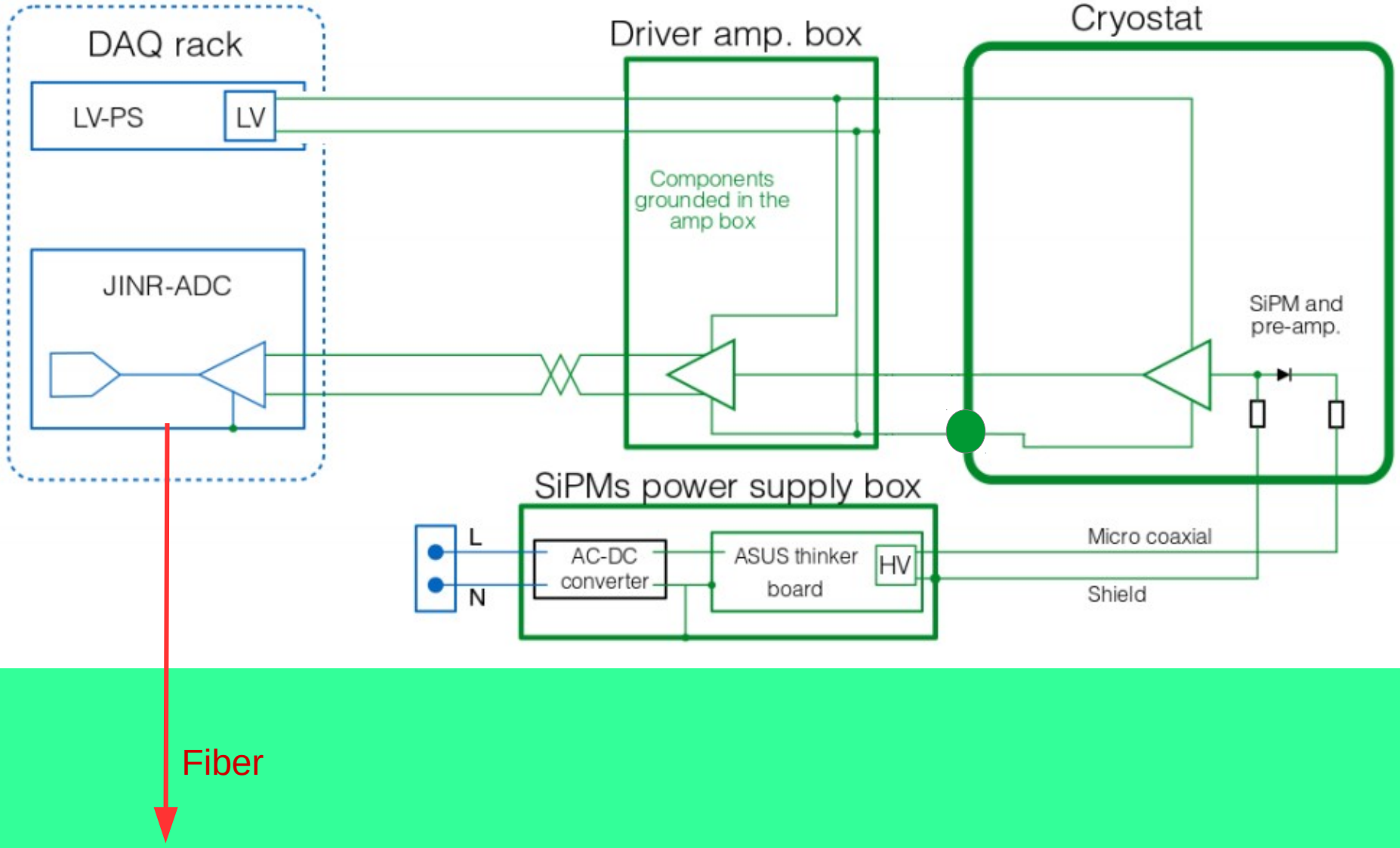
SingleModule : General grounding



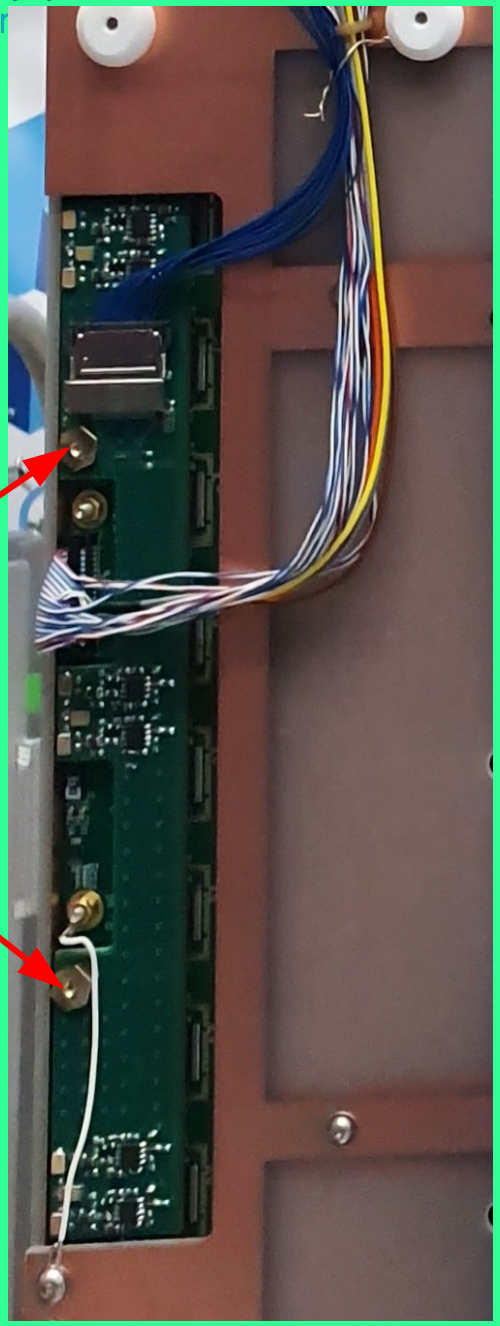
SingleModule : Slow Control system



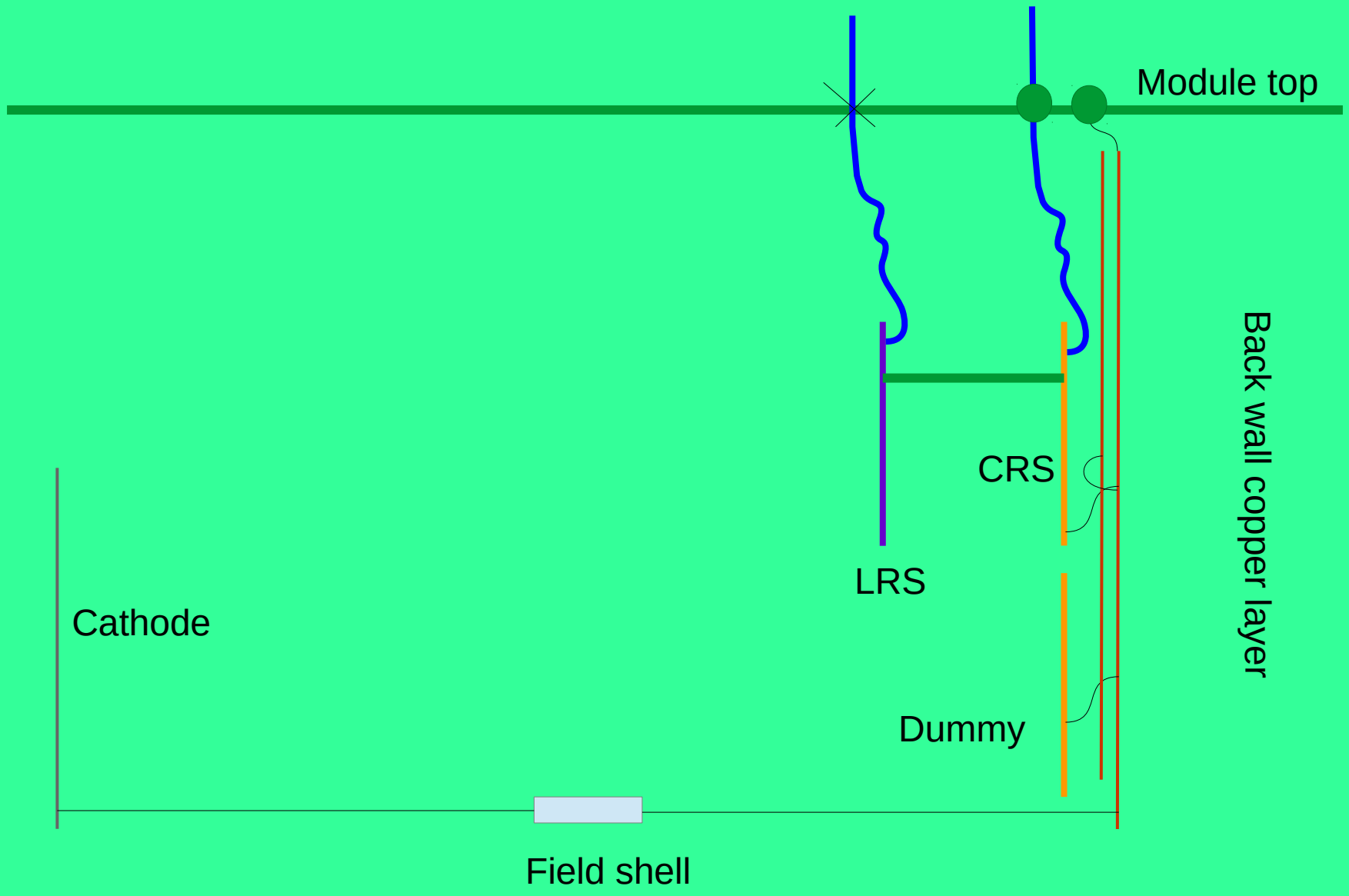
SingleModule : Charge and Light R/O systems



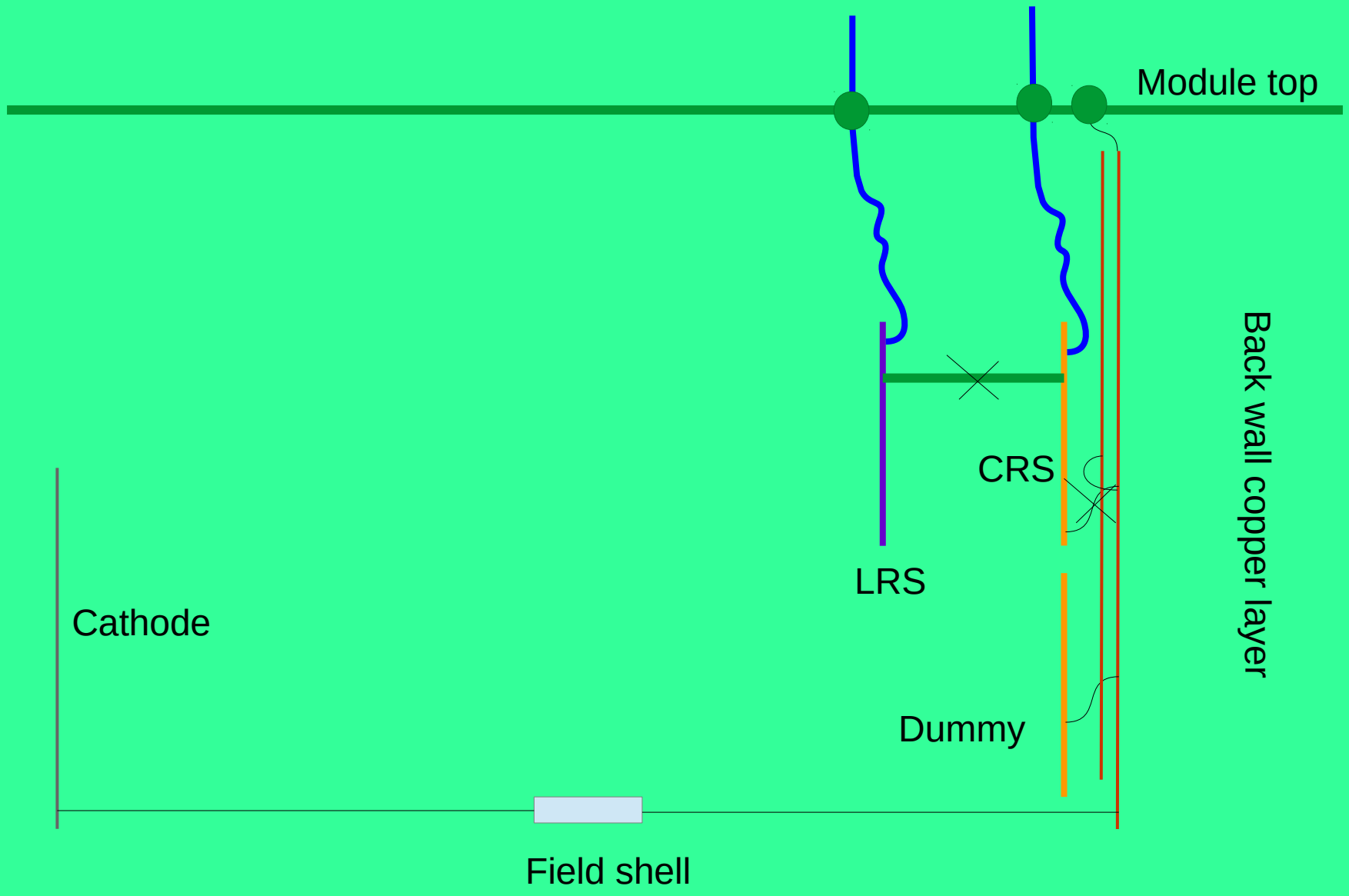
SingleModule : LRO and CRO are connected !?



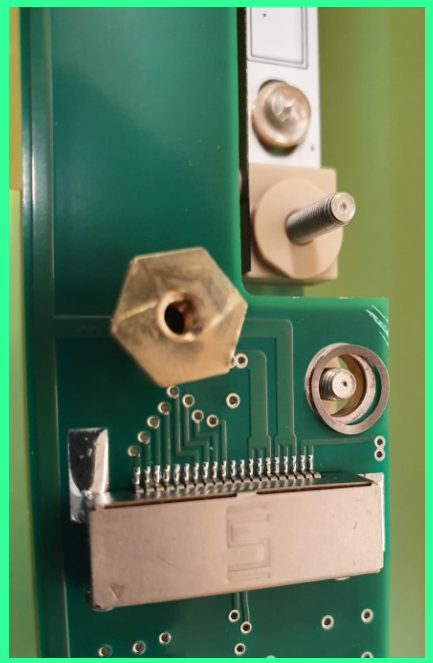
SingleModule Nov test : ground scheme (compromise)



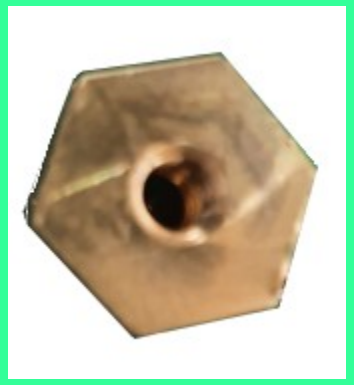
SingleModule Nov test : ground scheme (compromise)

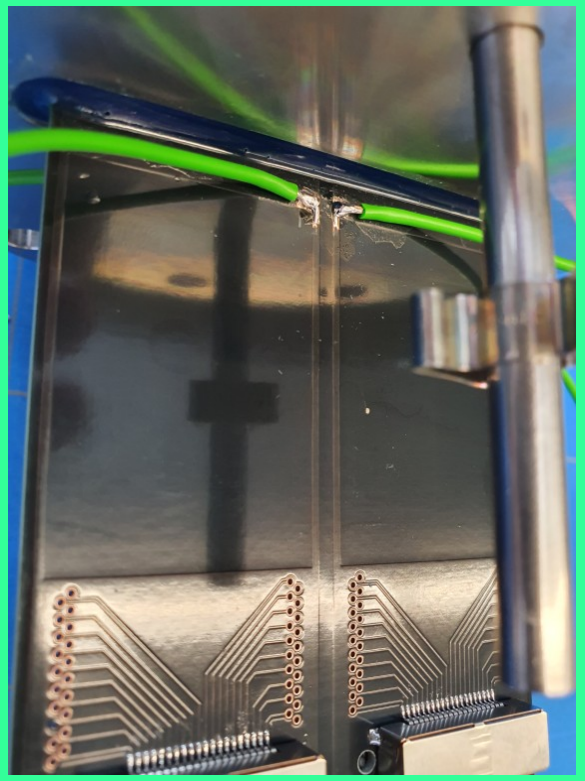


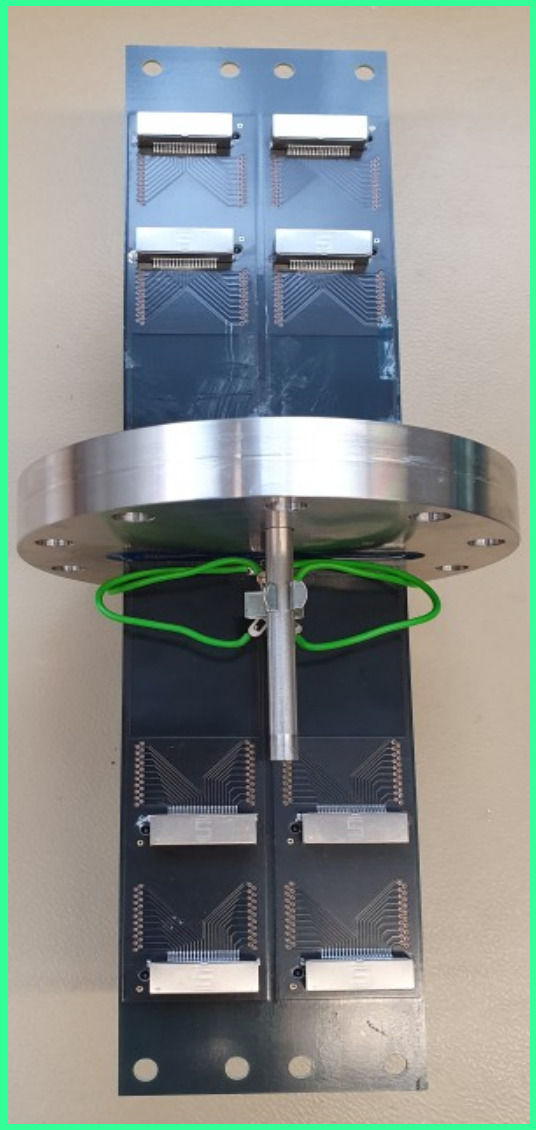
SingleModule Mar 21 test : Decouple LRS ground, connect at the FT



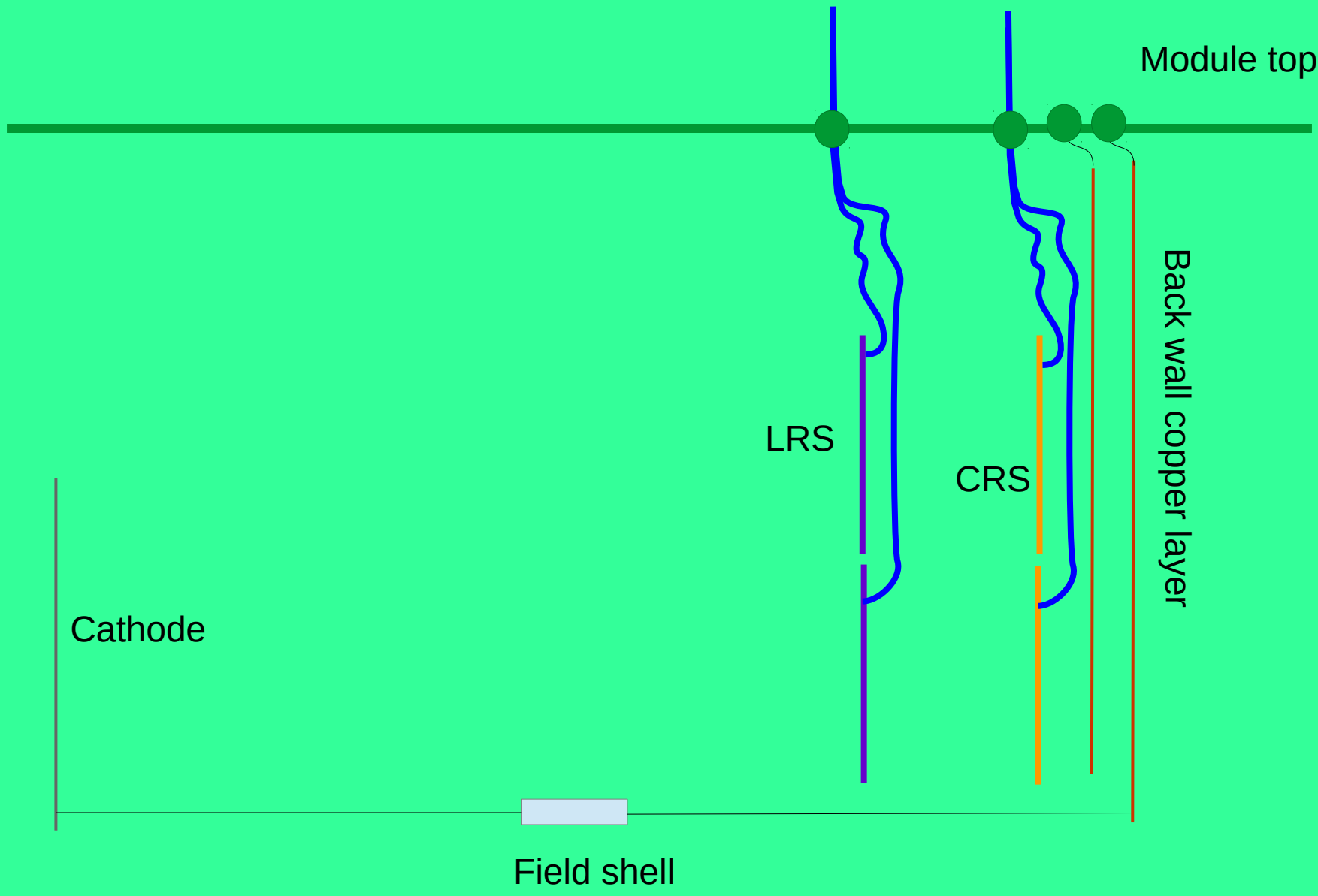
Replace brass with PAI



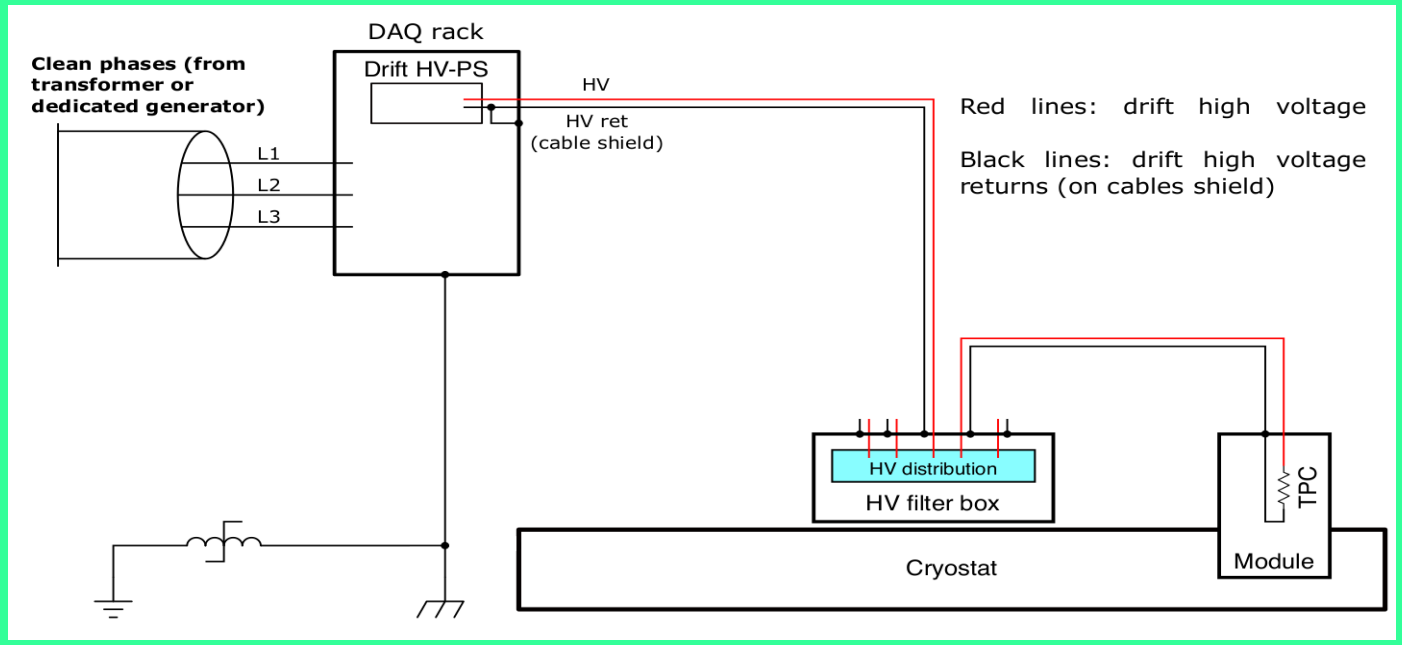


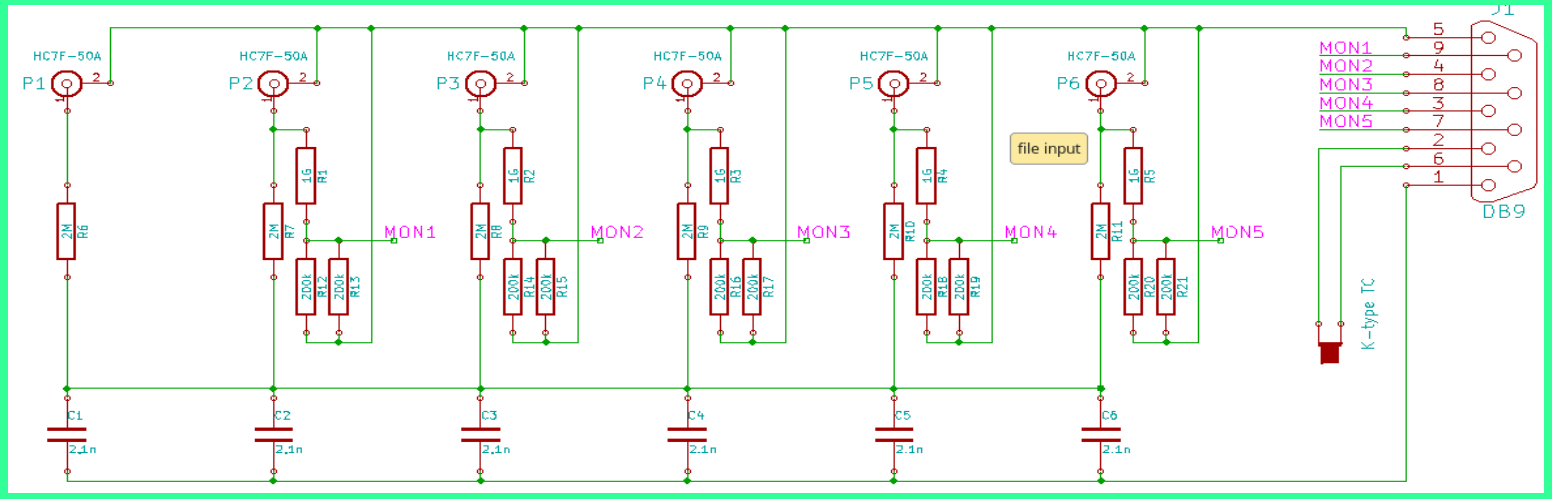


SingleModule Mar 21 test : ground scheme (proposed)



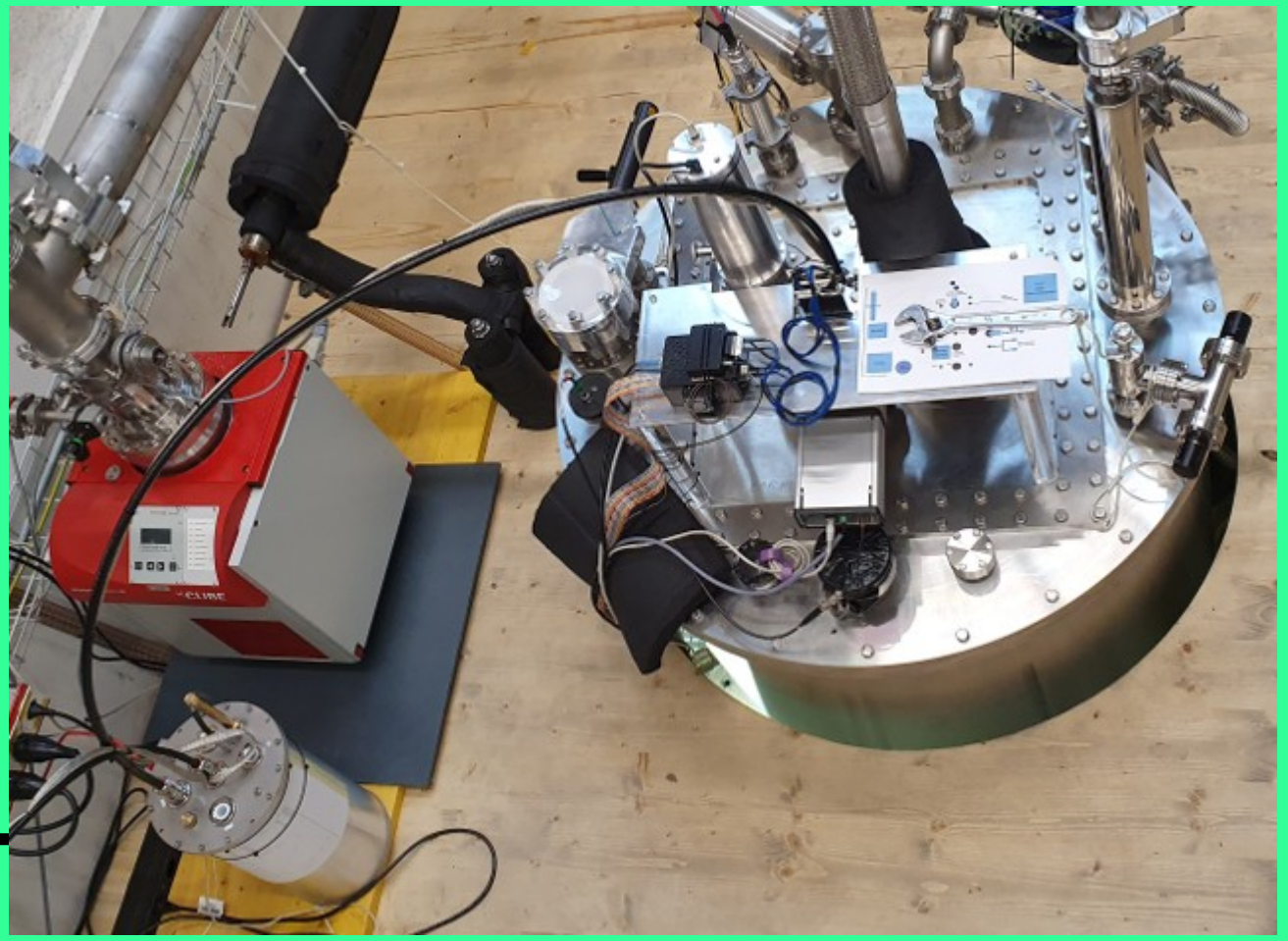
SingleModule HV distribution system (Detector ground)



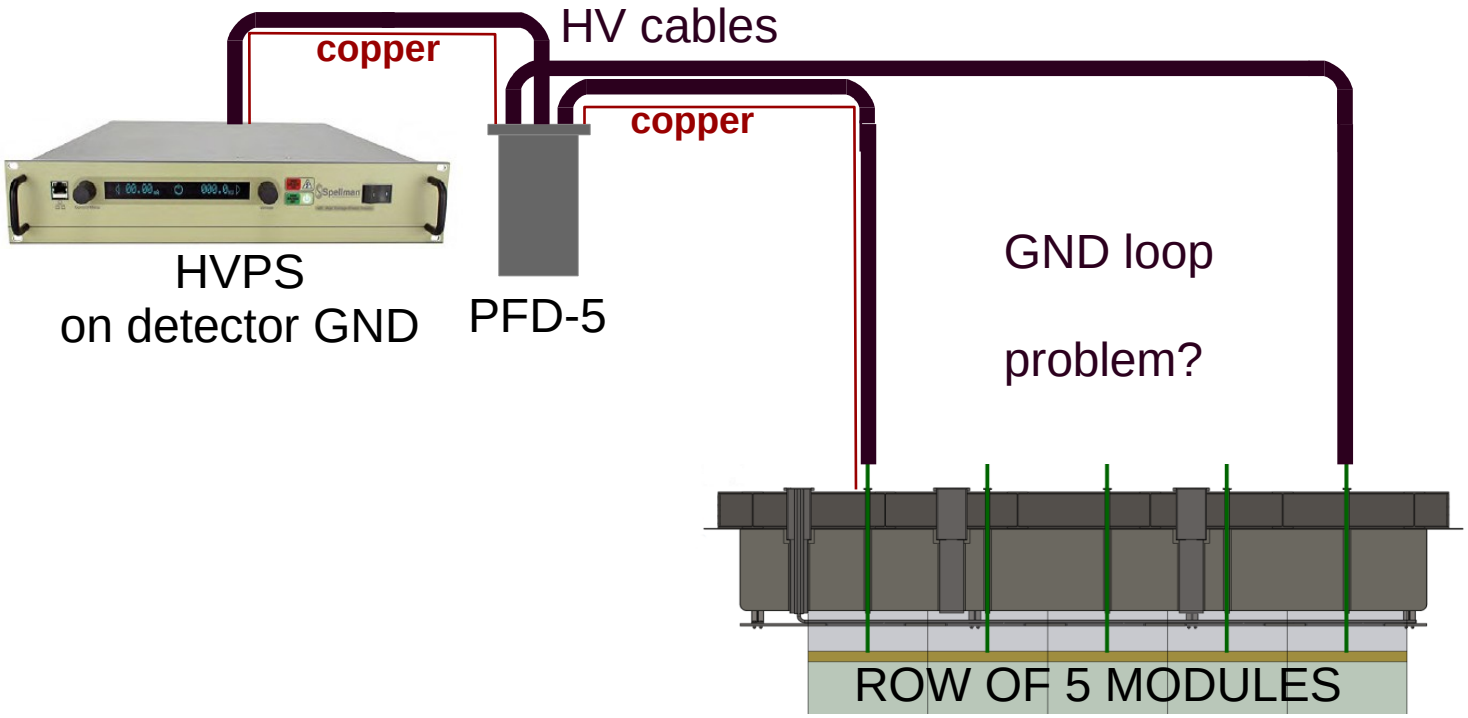


SingleModule HV distribution system

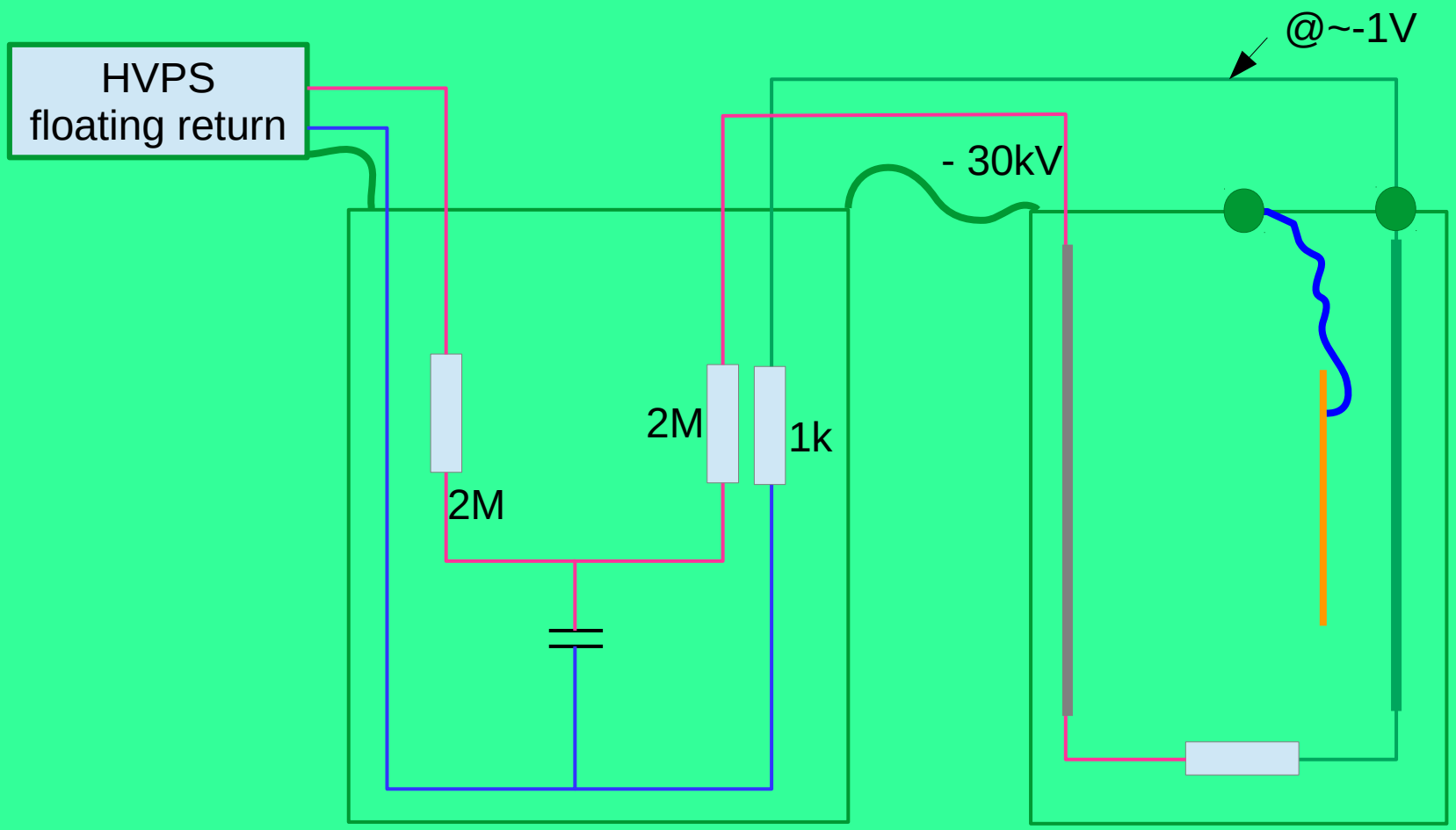
HVPS
Imax=1.2 mA
Umax=150kV



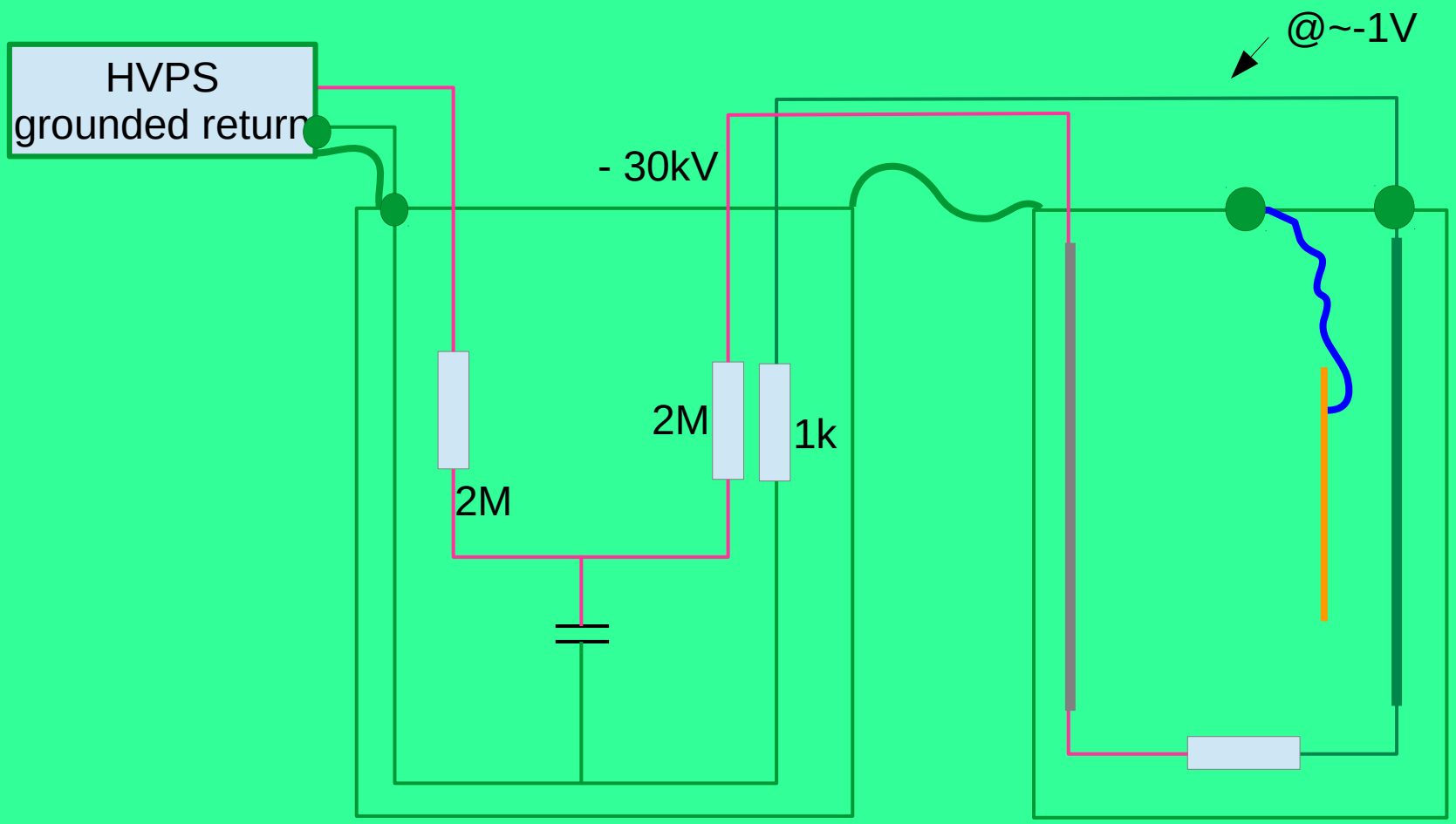
Can it be scaled up to ND (or also 2x2) ?



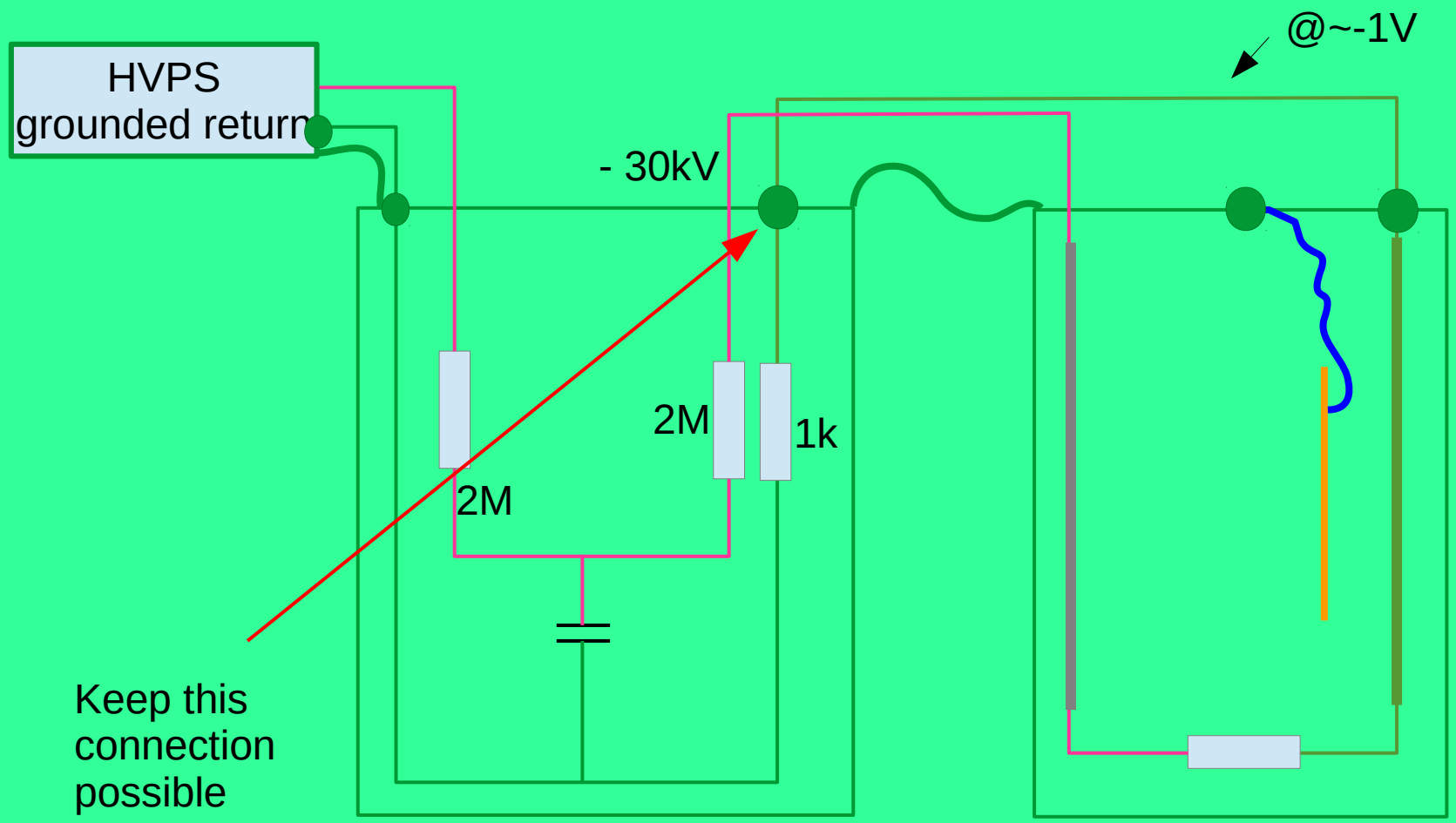
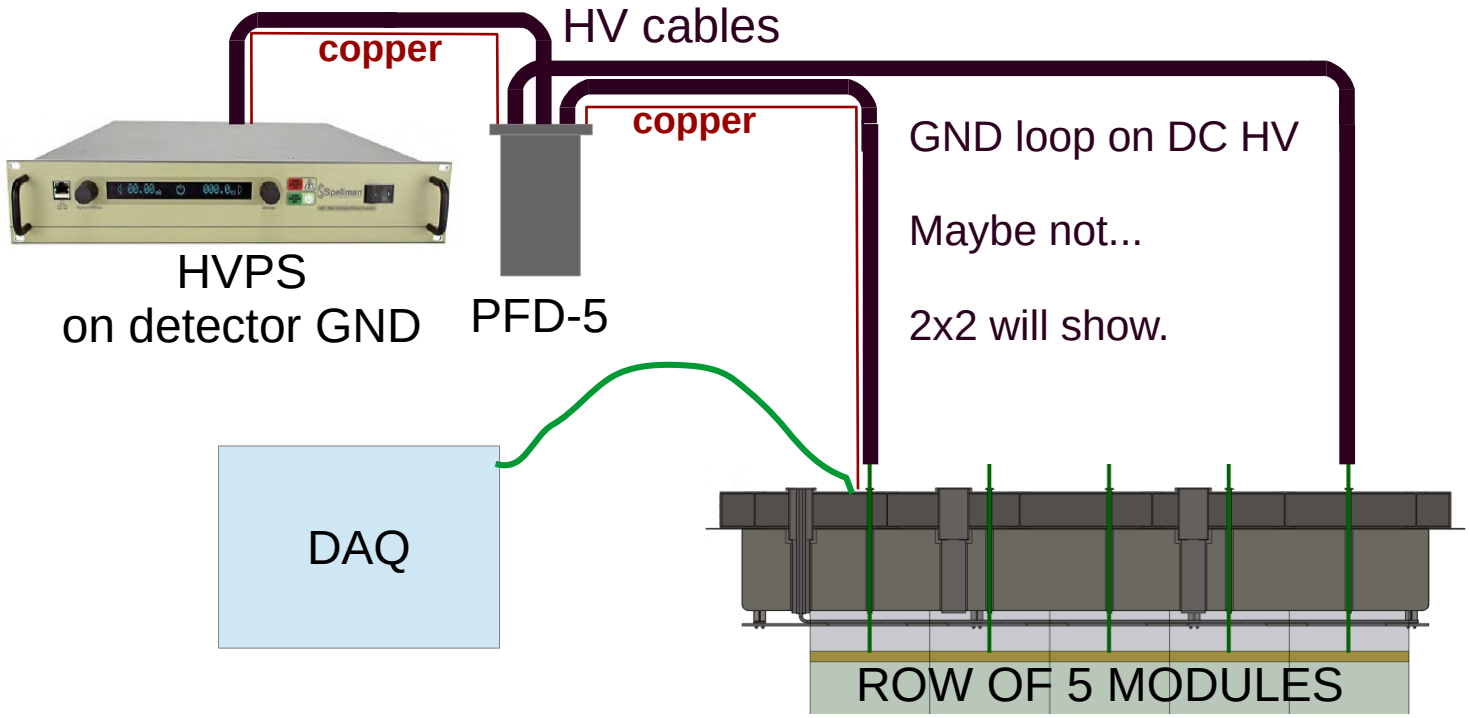
Ground decoupled at PFD5



Mar 2021 Test : compromise configuration



Mar 2021 Test : fallback option



Is this GND loop actually a problem?