

Grounding and shielding of the outer tracker

Safety ground,
Power ground
Signal ground

Safety ground:

must ground all metal parts, frames, water, gas, FE
Star to surface buildings, bad local grounding with
bad conductive rocks

No connection with other sub detectors
(no injection, inner tracker?)

Power Ground

LV power grounded only at connector

HV also inc counting house (danger)

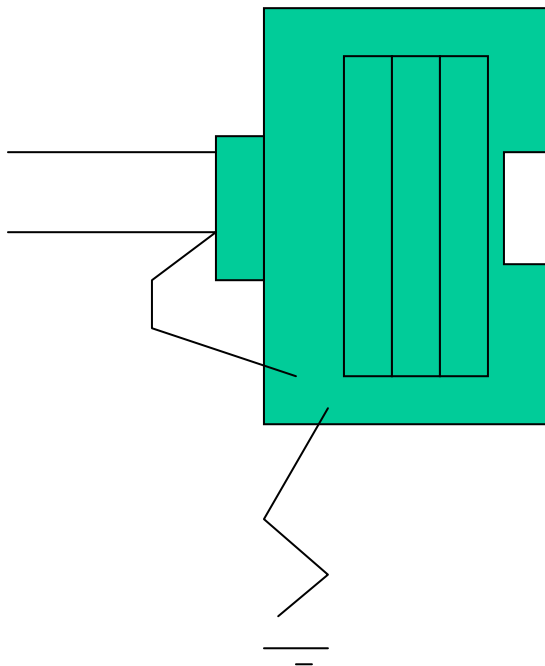
No return currents through lhcb safety grounds

Do we ground at 100A DC inputs of detector

Isolating pieces in water and gas needed.

Signal ground at amplifier inputs.

In contrast with LV 100A inputs?



Where do we ground the detector