Support structure

Beam direction

HV in Sensor   Space for frontend

Connections aka cabling

Gate, Lemo-lemo

TLU

sensor

Amp1

Amp2

Amp3

Amp4

ADC

Standard
HV connector

4x Lemo-mcx

All equipnent
In the beamarea,
Max distance ~
Few meters

HV, keithley

LV, ?

Opto pair

DAQ PC
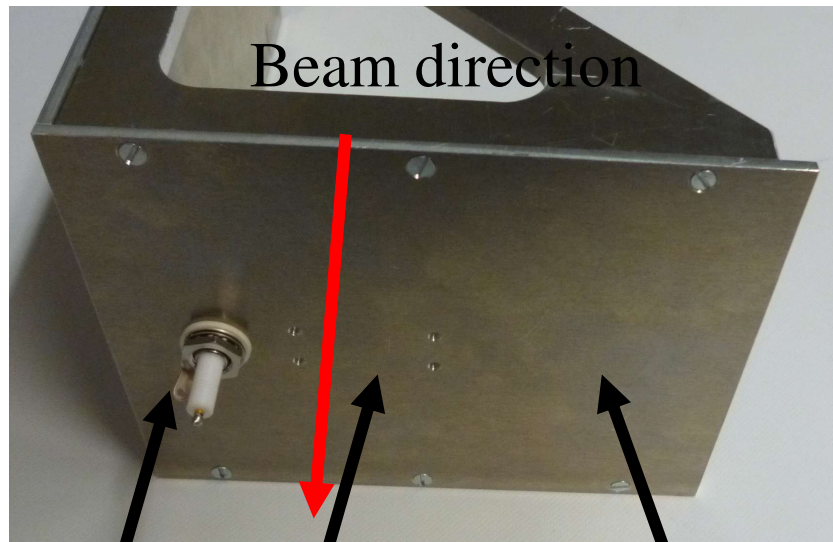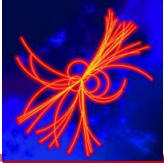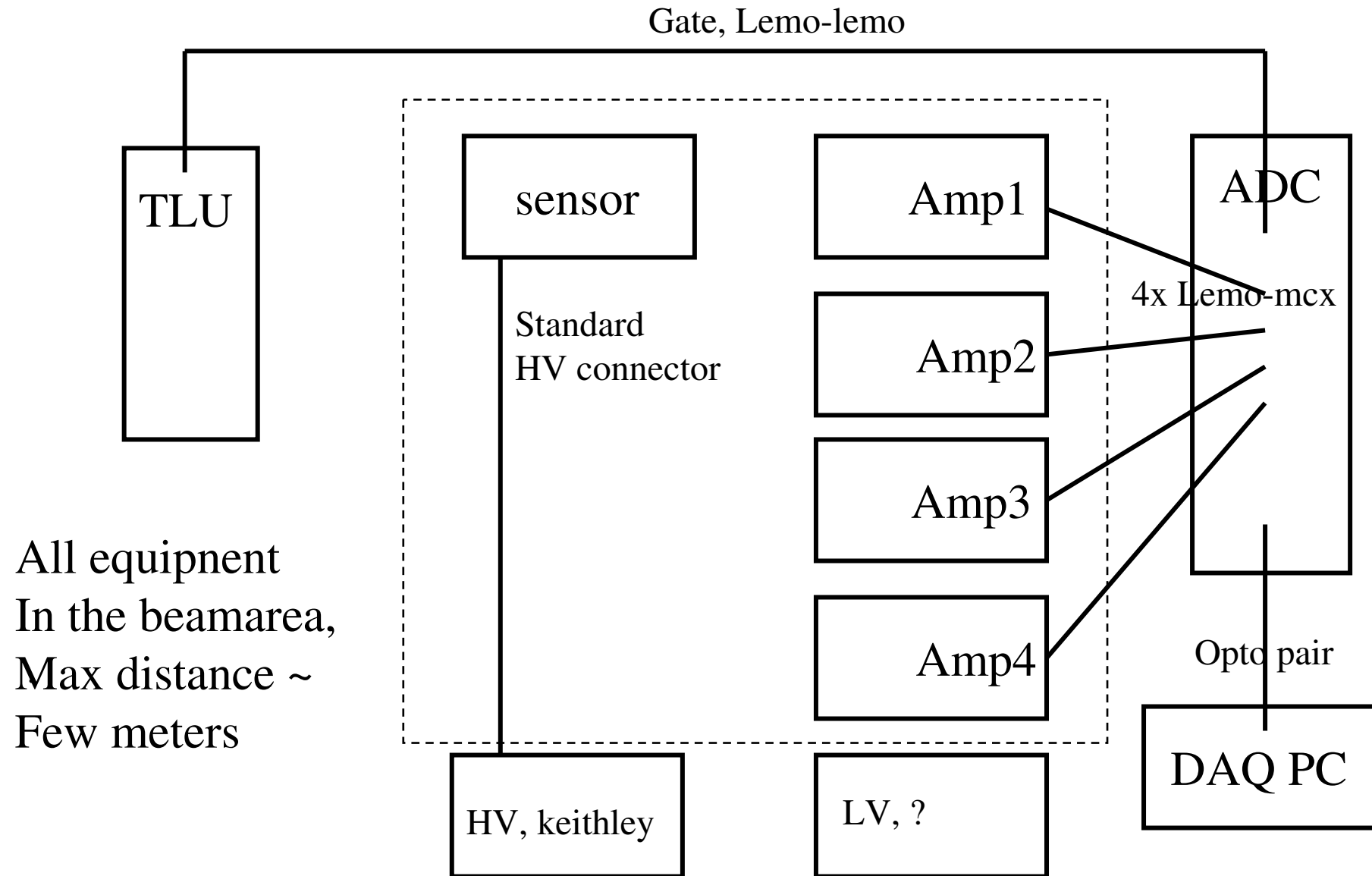
Questions

Power supply for frontend, voltage, connectors, cables

Frontend readout – electrical (optical as an option or not)

Frontend readout – we need lemo connectors somewhere

TLU gate – simple (Lemo) or intellegent (RJ45)

Keithley – we need 1kV – whose Keithley we expropriate?

Do we need current monitoring in the detector?