

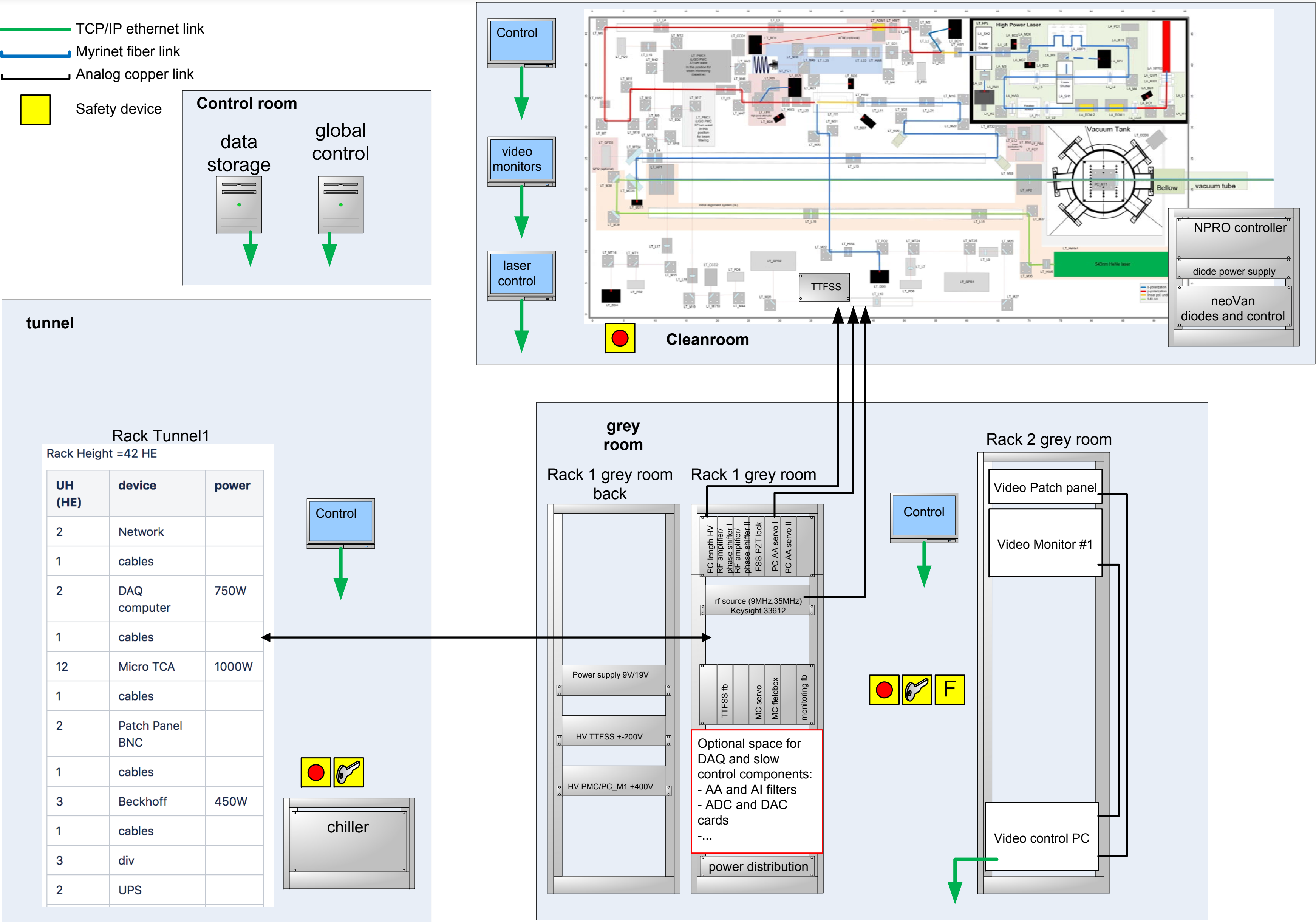
Electronic/DOOCS for GEN (Status and open Q)

Hal Hollis & Jan H. Pöld

ALPS collaboration meeting

8. June 2020

NL control strategy



NL control strategy

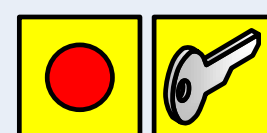


<https://confluence.desy.de/pages/viewpage.action?pagelId=137991444>

Rack Tunnel1

Rack Height =42 HE

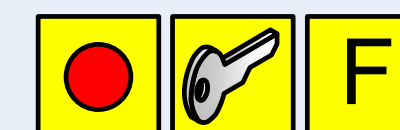
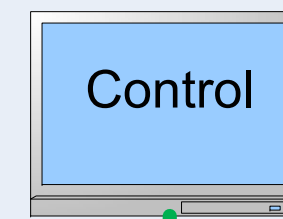
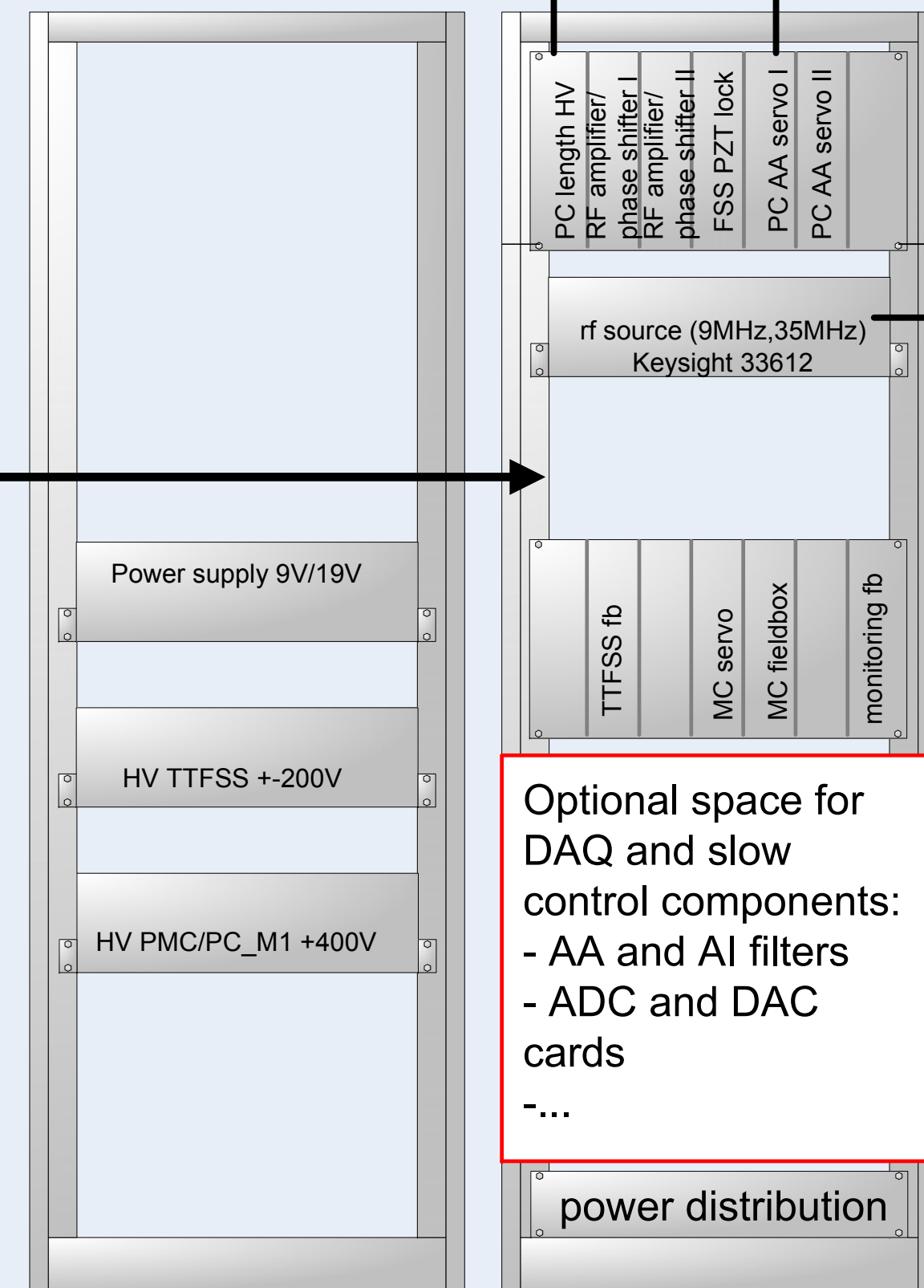
UH (HE)	device	power
2	Network	
1	cables	
2	DAQ computer	750W
1	cables	
12	Micro TCA	1000W
1	cables	
2	Patch Panel BNC	
1	cables	
3	Beckhoff	450W
1	cables	
3	div	
2	UPS	



grey room

Rack 1 grey room back

Rack 1 grey room



Rack 2 grey room

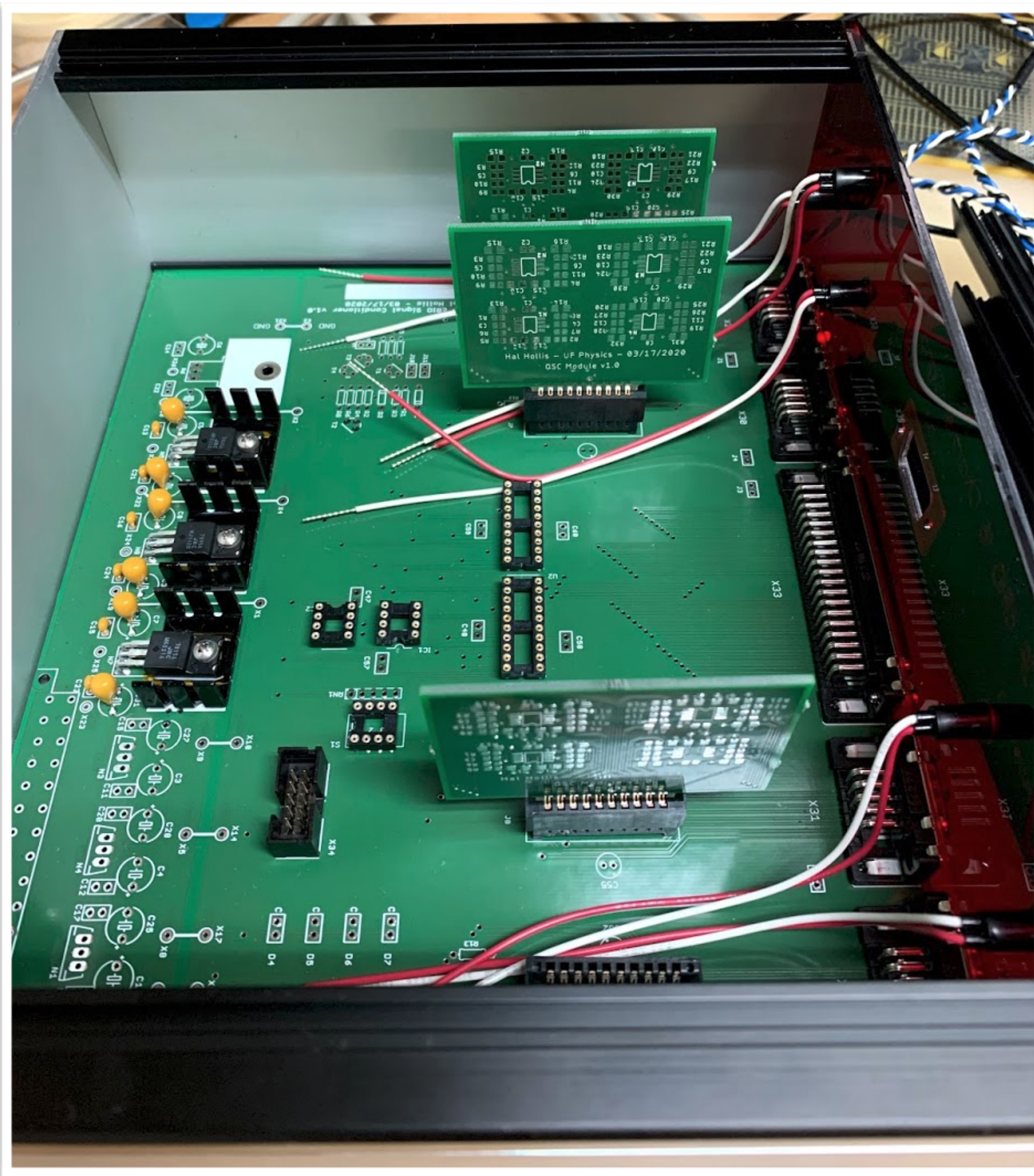
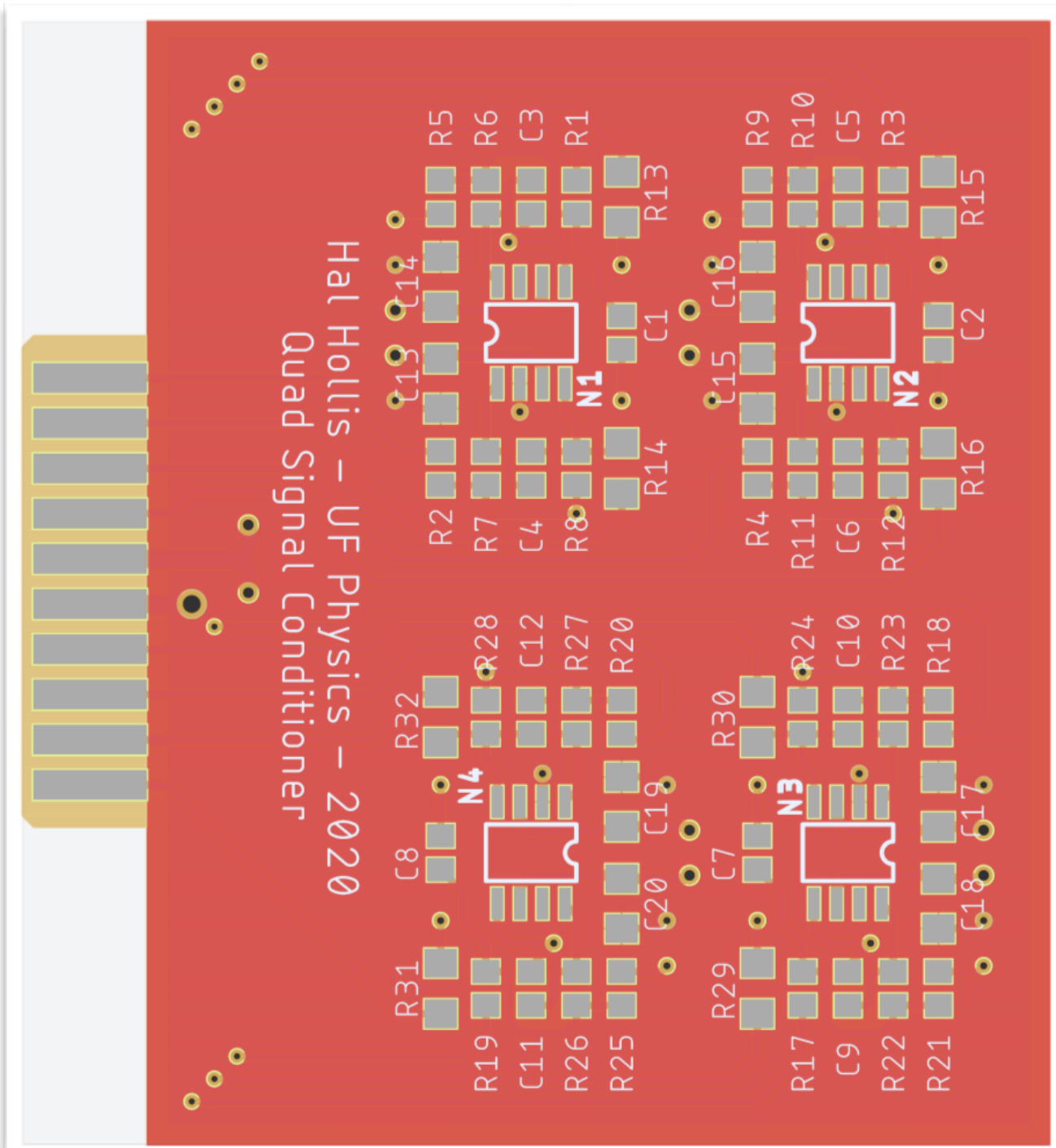
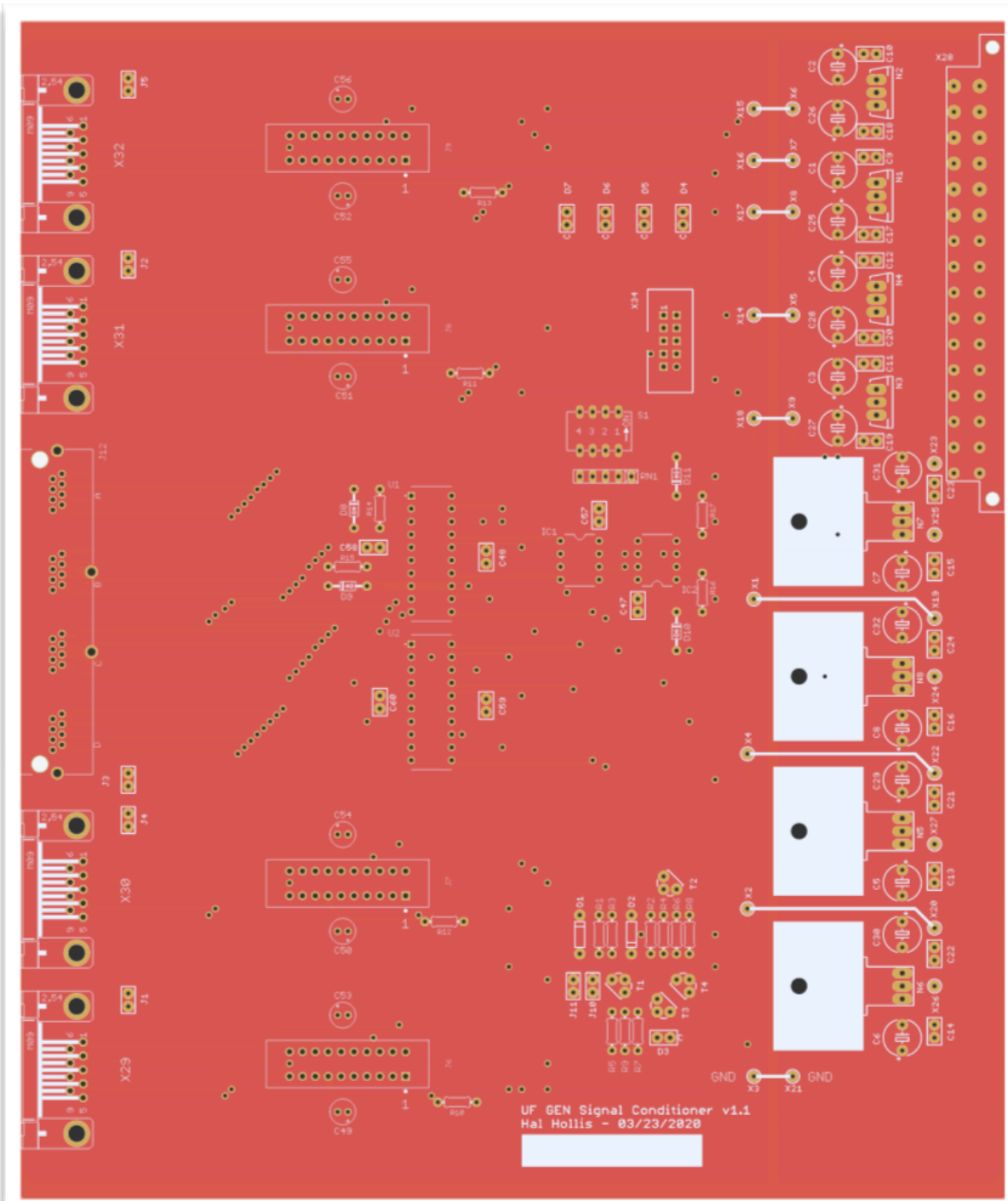
Video Patch panel

Video Monitor #1

Video control PC



Signal conditioning filter - UF general purpose



Status



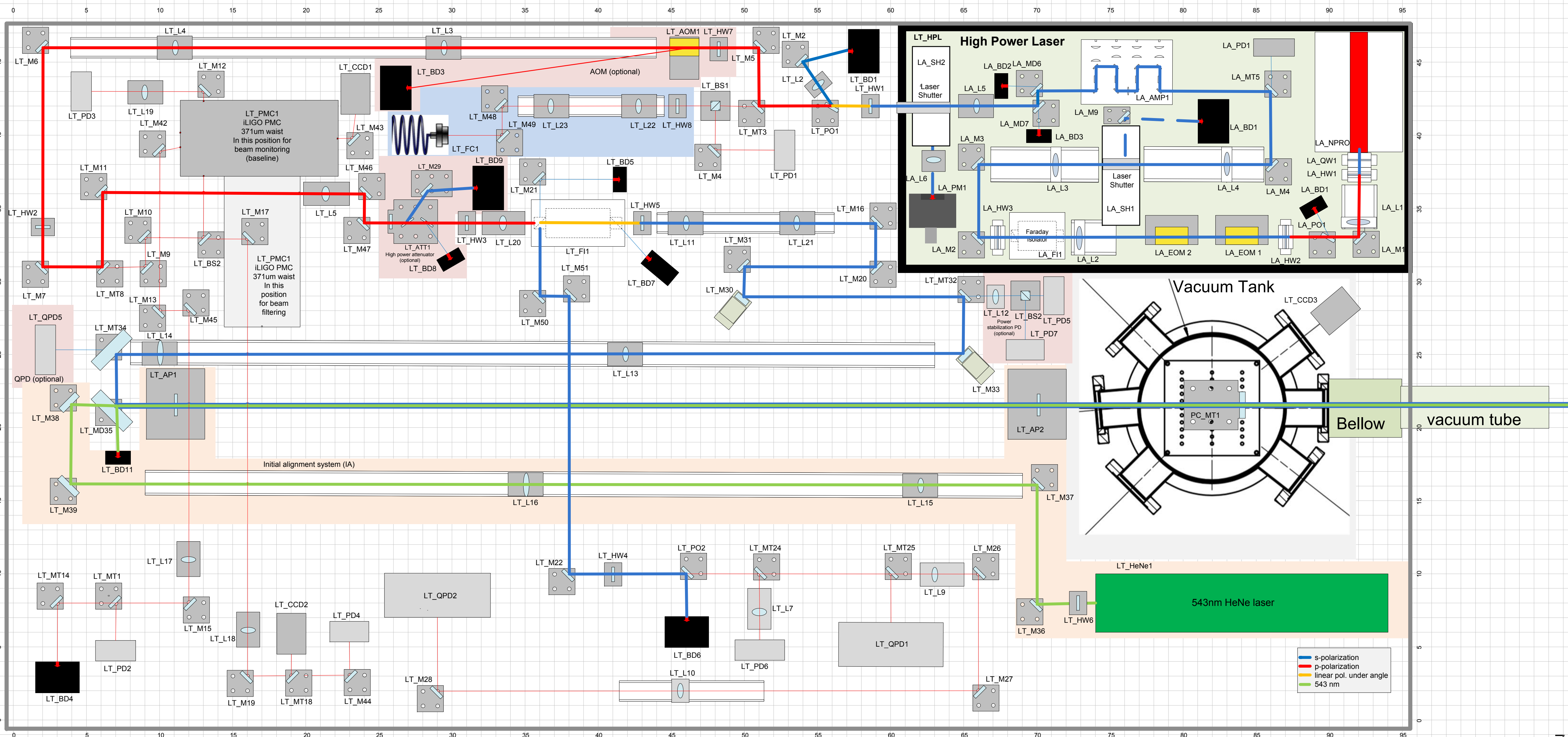
- grey room rack electronics have been fabricated
- cables have not been ordered yet
- FSS has not been tested (tests in ALPS IIa anticipated, but not yet conducted due to COVID related delays)
- uTCA components have been purchased and some of the Beckhof boxes have been built (<https://confluence.desy.de/pages/viewpage.action?pageId=137184599>)
- general purpose signal conditioning unit has been designed by Hal, GEN unit were not ordered yet

Open Q's



- Are we allowed to install GEN electronics as built?
- Actuator electronics?
- Adopt new schedule for component readiness
- Integrated testing required?

GEN table layout (06/2020)-preliminary



Status GEN



- working on GEN FDD update
- another change request for the laser table upcoming (please send your comments in time)
- change request for electrical installations in NL