

Preparatory meeting for LAPPD Beam Test in October 2022 at CERN

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Motivation

- **To get ready for the beam test at CERN from 3 to 16 October 2022**

Detector - I:

1. LAPPD: we have #87, nothing new this year.
2. HV modules: two CAEN N1470, getting Laptop ready for GECO
3. SHV cables: How long? We have enough. BU=> CERN
4. Dark Box: light-tight by next week, with 3 windows
5. SMA cables/connectors: 1.5 m, 1 m, 0.5 m cables (how many?)
6. Extra Readout Board: L03 board from Alexander

Detector - II:

1. Beam-Monitor: ???
2. HV Unit for it: ???
3. Cables: ???
4. MCP/Planacon: ???
5. Scaling up to 64 channels: could get critical
cables, connectors, feedthroughs

Optics:

1. Aspheric Lens:

from Alexander

2. Lens mount:

LMR1 seems to suffice w.r.t simulation (?)

3. Another Lens and mount?

Mikhail?

4. LASER:

yes, 20 ps

5. Filter/Stopper:

Acrylic plates => Alexander? ND filter plates => Deb (?)

Electronics:

1. VME Create: VME 8004 X
2. VME crate controller: V1718 one board (old firmware)
3. Digitizer: V1742 one board
4. DAQ Computer: DELL XPS Laptop, works with wavedump (Virtual Windows)
PCI computer => Mikhail (when and how to transport)
PCI connector => Alexander, (when/how to transport)
5. Cables: USB connection ~1 m long

Software/Data:

1. Online monitor (for beam monitor): ???
2. WaveDump/RCDAQ: WaveDump yes, RCDAQ?
3. Acquisition rate: Binary or ascii file ?
4. Final Analysis Software: Mikhail/Alexander ?
5. One external disc for Data : Silvia ?

Person power:

1. Who's coming and when, by 2nd week of Sept?
2. Testing with LASER in Trieste: 5 Sept - 9 Sept
3. Transportation - both ways: Mauro (Mikhail?)