



Matthew Wing

- General comments
- DAQ scheme
- Agenda for today

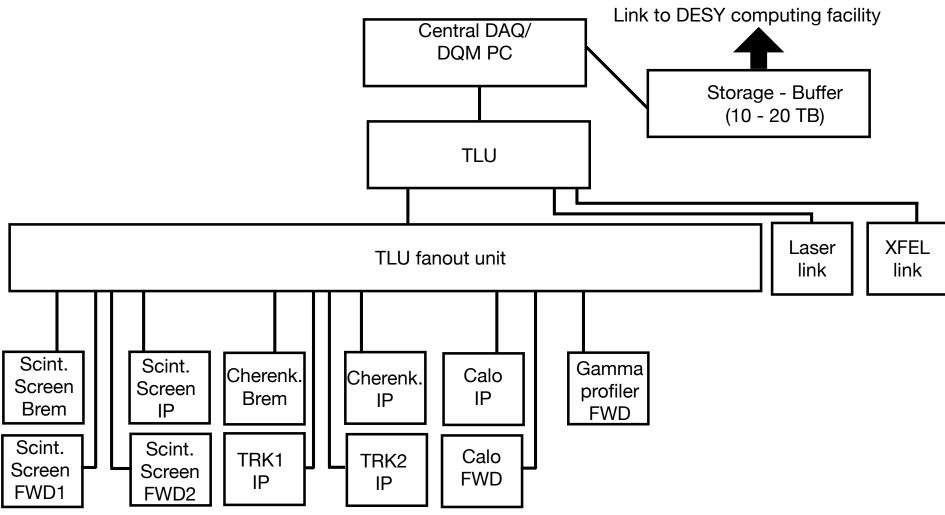


General comments

- LUXE will not be a high rate experiment, with a maximum of 10 Hz datataking frequency.
- The detectors will generally be small.
 - Should not need a massive PC farm, huge data reduction, etc.
 - Typical rate per sub-detector, O(10 MB/s), so need ~one PC per subdetector.
 - All data will be kept no physics trigger.
- Use current DAQ solutions.
 - LUXE is more the size of detector beam test than a HEP experiment.
 - There are clock and timing modules used for the other experiments. E.g. Trigger Logic Unit.
 - EUDAQ2 software which is used in CERN and DESY test beams.
 - Already have links with ECAL, ALPIDE sensors, Cherenkov detectors.
- Should not forget about DQM and slow control.



DAQ scheme





Agenda

) discussion	Q-
📰 Wednesday	Jun 16, 2021, 12:30 PM → 2:00 PM Europe/Berlin	
Description	Join Zoom Meeting	
	https://desy.zoom.us/j/93972878124	
	Meeting ID: 939 7287 8124 Passcode: 769139	
12:30 PM → 12:40 P	M Introduction Speaker: Matthew Wing (UCL)	©10m 🖉 -
12:40 PM → 1:00 PM	1 Overview of EUDAQ Speaker: Lennart Huth (DESY)	320m 🖉 🔪
1:00 PM → 1:20 PM	Overview of the TLU Speaker: David Cussans (Bristol University)	320m 🖉 -
1:20 PM → 1:40 PM	Experiences with EUDAQ and TLU Speakers: Yan Benhammou (tel aviv university) , yan Benhammou (Tel Aviv University)	© 20m 🖉 -
1:40 PM → 2:00 PM	Discussion	© 20m 🖉 -