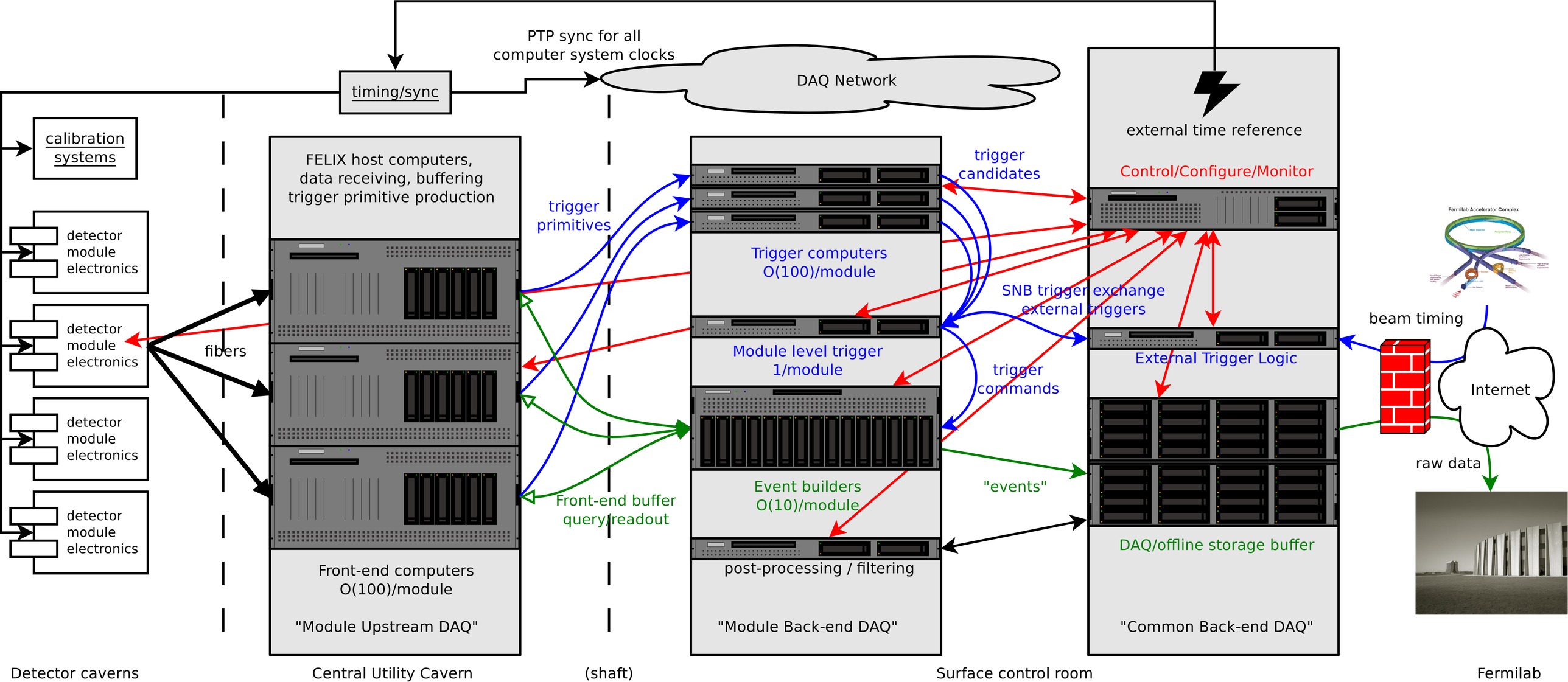

PTP sync for all
computer system clocks
timing/sync
DAQ Network
external time reference
calibration systems
detector module electronics
detector module electronics
detector module electronics
detector module electronics
fibers
FELIX host computers,
data receiving, buffering
trigger primitive production
Front-end computers
O(100)/module
"Module Upstream DAQ"
trigger primitives
Front-end buffer
query/readout
Trigger computers
O(100)/module
Module level trigger
1/module
Event builders
O(10)/module
post-processing / filtering
"Module Back-end DAQ"
trigger candidates
SNB trigger exchange
external triggers
trigger commands
"events"
Control/Configure/Monitor
External Trigger Logic
DAQ/offline storage buffer
"Common Back-end DAQ"
beam timing
Internet
raw data
Fermilab Accelerator Complex
Detector caverns
Central Utility Cavern
(shaft)
Surface control room
Fermilab