

# Preparation of Testbeam 2008 at Fermilab

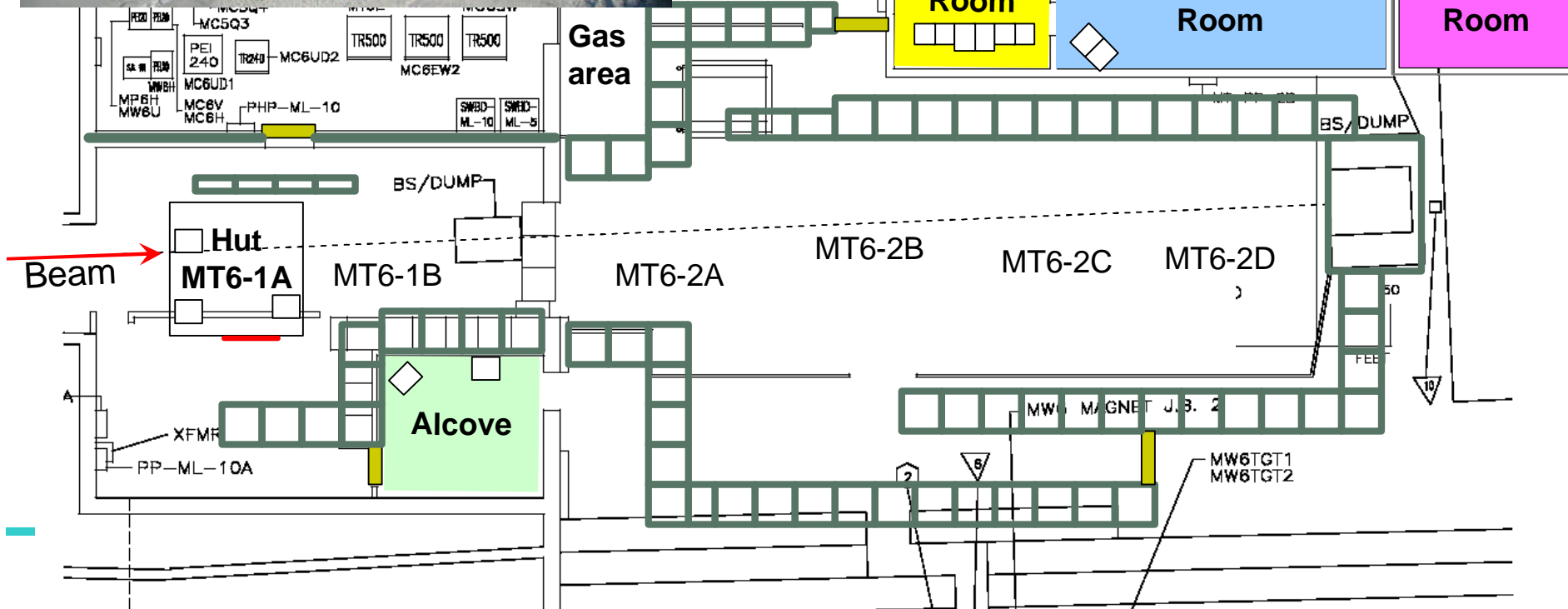
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# MT6 Testbeam Facility



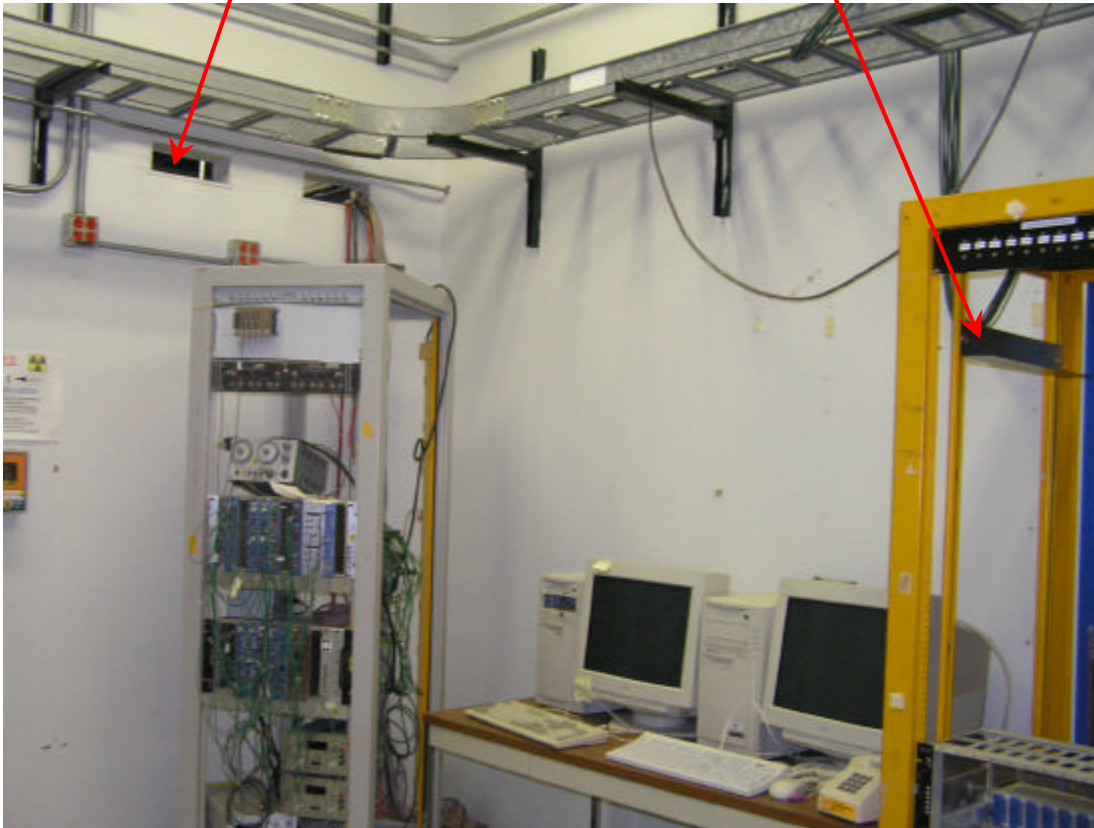
Beam: 120 GeV proton  
 Rate: < 200KHz  
 Particles per bucket: 500 – 0.5

(2004)



Pull cables to Hut

TELL1 crate



Cable length ~ 17.5 m from  
TELL1 crate to testbeam box.

Can be shorten by:

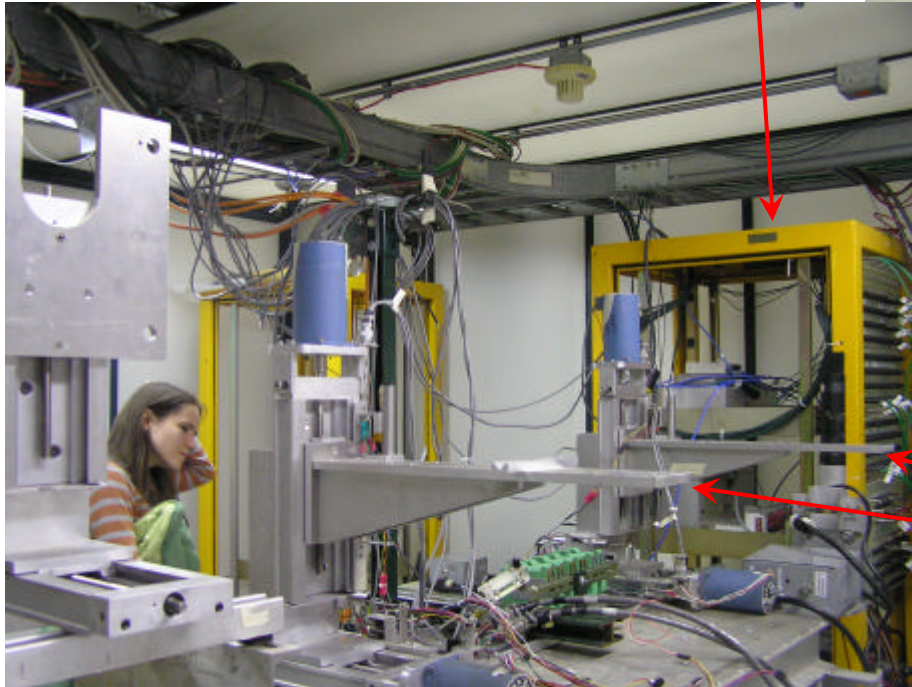
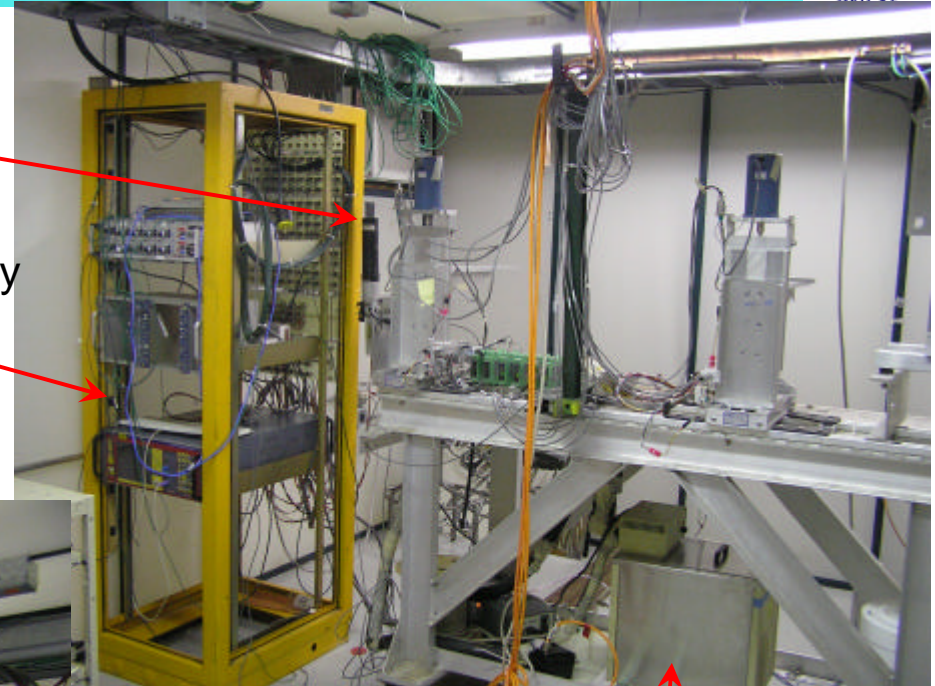
1. Moving rack in the alcove.
2. Cable not follow all existing trays.
3. Arranging connection inside the hut carefully.
4. Or using the rack in the hut.

# Testbeam Hut

Cable entrance  
Extra rack here

Scintillation  
counter

Power supply  
Slow control



Cooler

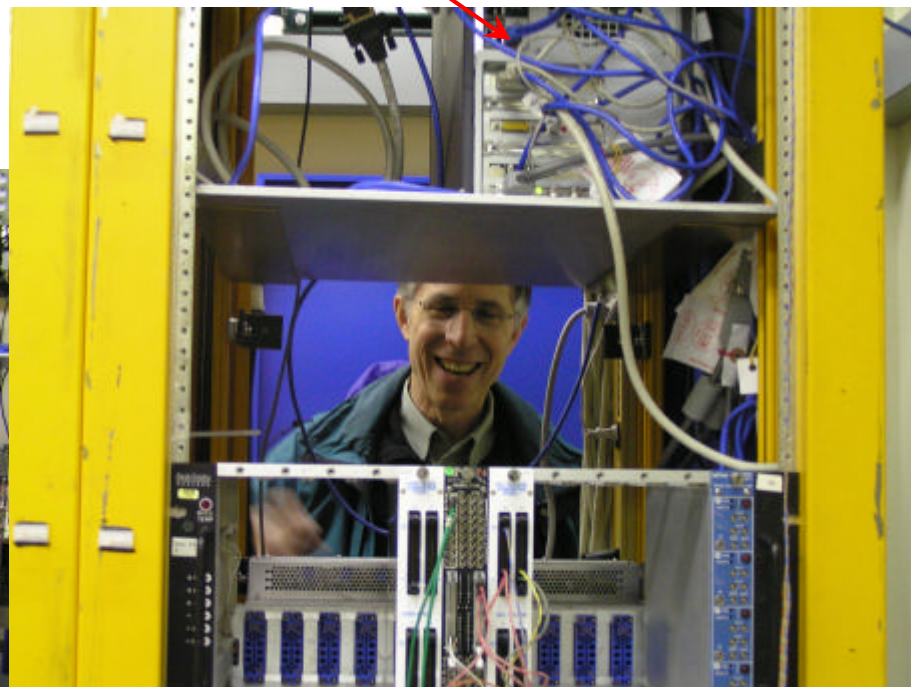
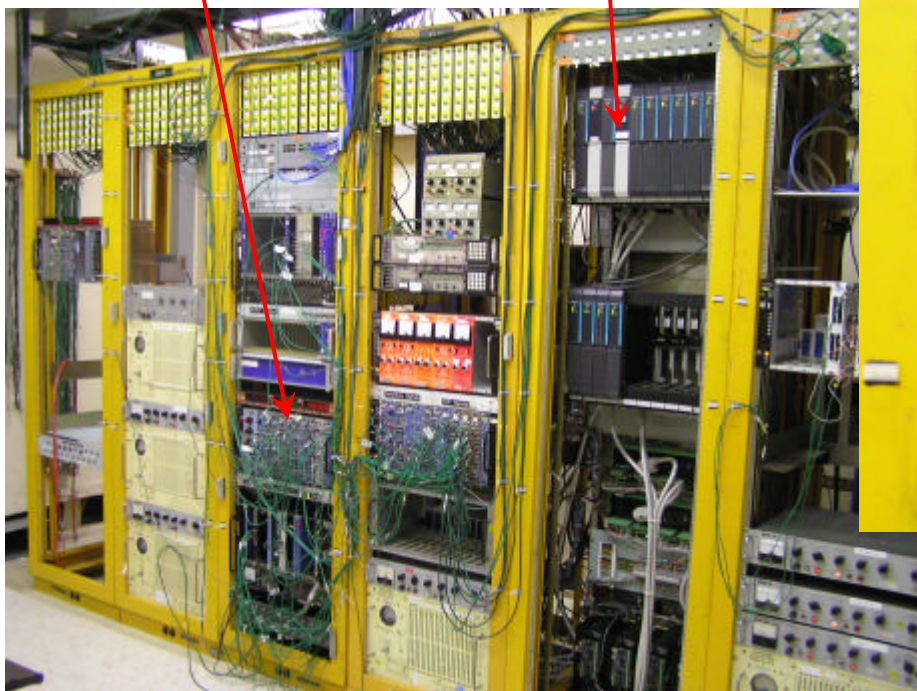
XY stage

Cable entrance

Scintillation counter logics

Slow control readout

BTeV pixel testbeam PC



# Main Control Room



Slow control monitor

Linux: mtbf

Beam control  
Linux: mtbf03



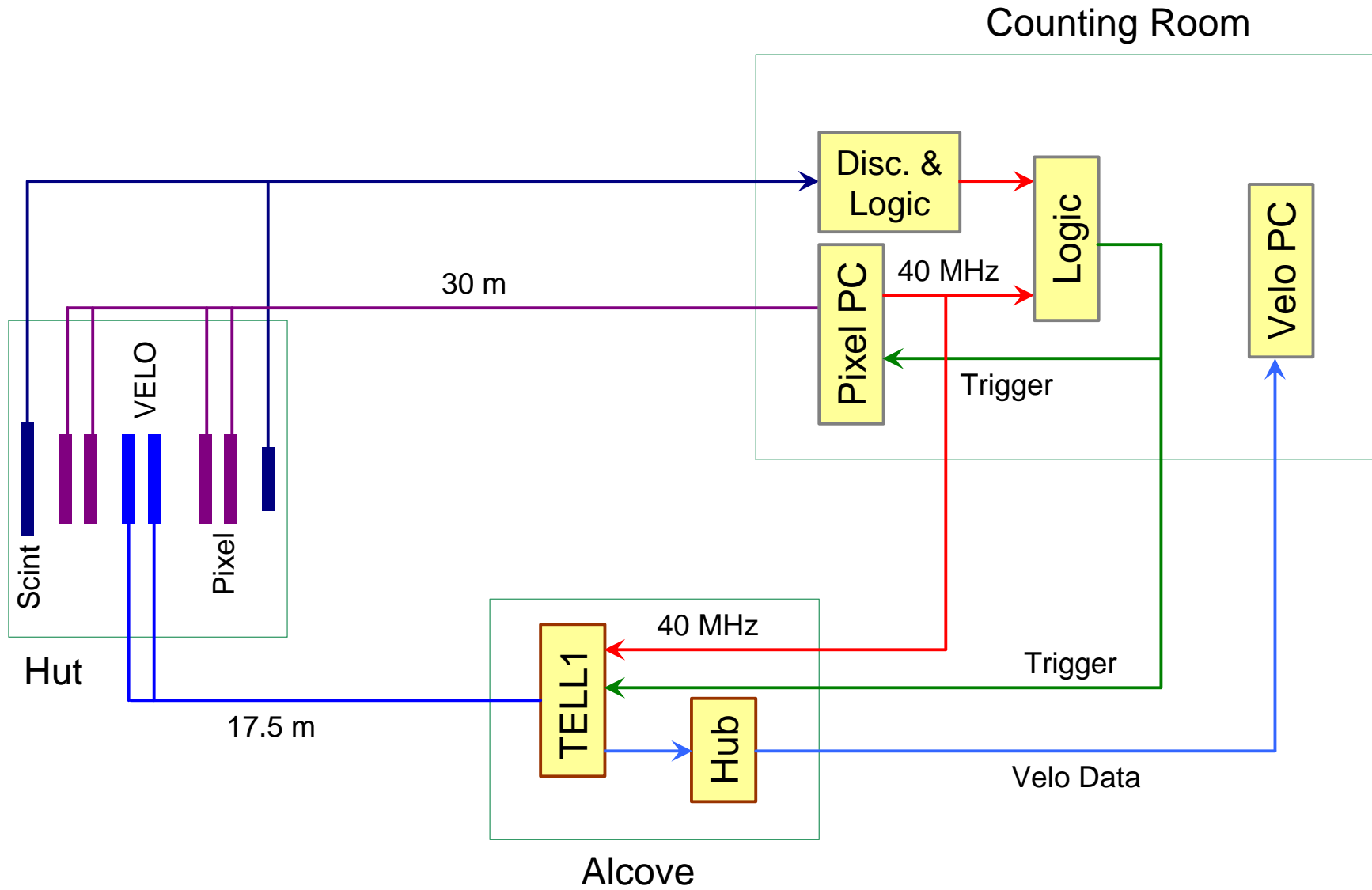
Old PC  
Monitor used  
for richdaq

To  
counting  
room

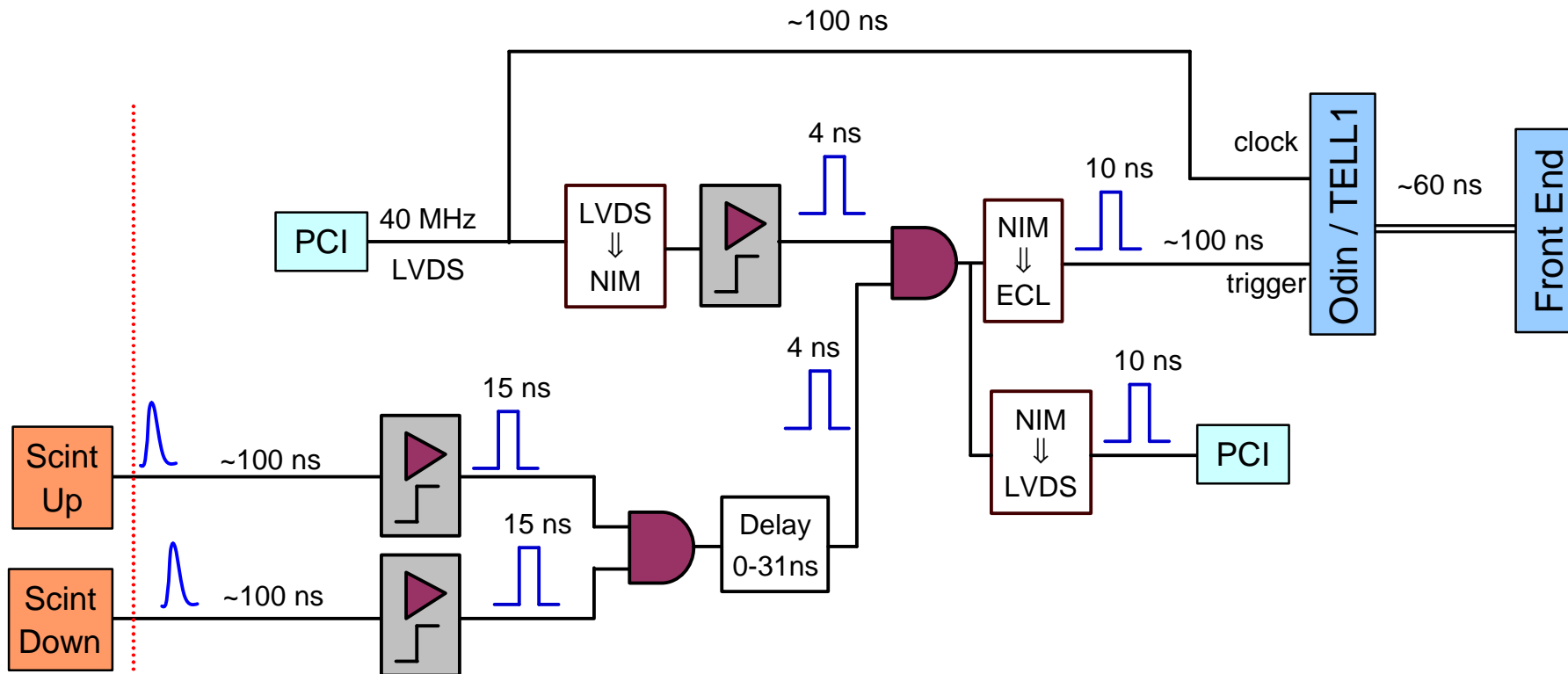


Linux: mtbf 02









1. There is controllable delay (phase) on CLK at repeater board and readout from certain stage of pipeline determined from all delays.
2. VELO router matches event with trigger signal and the delay of a fixed value.
3. Deadtime should be applied to the last AND gate triggered by its output.
4. Did I miss anything?



# Miscellaneous Business



- ❖ Linux PC for VELO daq ([richdaq.fnal.gov](http://richdaq.fnal.gov)) is kerberized. It has two NICs and will act as the gateway to DAQ. It has 500 GB disk. I will write scripts to transfer data to castor.
- ❖ Wireless works at MT6. There are couple of Linux machines there for testbeam users.
- ❖ You will need visitor ID & computer account if you don't already have one. Please visit <http://www.fnal.gov/pub/forphysicists/users/resources.html>. The name of our experiment is T971. Marina's authorization is needed. I was told by user's office that an email authorization would be fine.
- ❖ We also need "Radiological Worker" and "Fermilab Controlled Access" training. Fermilab account is needed in order to access some pages in <http://www-esh.fnal.gov/>