



Digital system

- New OS for real time front end
 - Being implemented to 40m at Caltech from this October by replacing old systems but using existing software
 - Keep updating day by day, but seems OK for stand alone system
 - > good for deliver to subgroups
- Advantages for LCGT
 - easier maintenance using HDD less network boot for 12 front end PC
 - low cost
- Cost
 - Wind River RT core license: ¥50M/year for 12 real time PCs as long as LCGT lasts
 - Gentoo: Free! for real time control
- DAQ network: 10Gbit network for DAQ data
 - using Open-MX, connects between frame builder and 12 front end PCs
 - Not available for control, but enough speed for DAQ