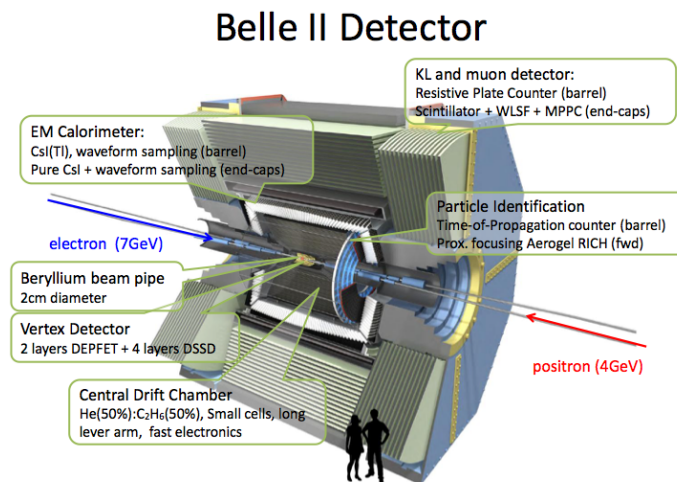# [553] Development of Slow Control Package for the Electromagnetic CaLorimeter Trigger System

Belle II Detector

EM Calorimeter:
CsI(Tl), waveform sampling (barrel)
Pure CsI + waveform sampling (end-caps)

KL and muon detector:
Resistive Plate Counter (barrel)
Scintillator + WLSF + MPPC (end-caps)

Particle Identification
Time-of-Propagation counter (barrel)
Prox. focusing Aerogel RICH (fwd)

electron (7GeV)

Beryllium beam pipe
2cm diameter

Vertex Detector
2 layers DEPFET + 4 layers DSSD

positron (4GeV)

Central Drift Chamber
He(50%):C2H6(50%), Small cells, long
lever arm, fast electronics

Tsukuba, Japan Belle II Experiment

Cheolhun Kim
Hanyang University
Korea

1 TC consists of 14~16 CsI(Tl) crystals

576 TCs

FAM(52)

TMM(7)

ETM(1)

GRL/GDL/HSLB
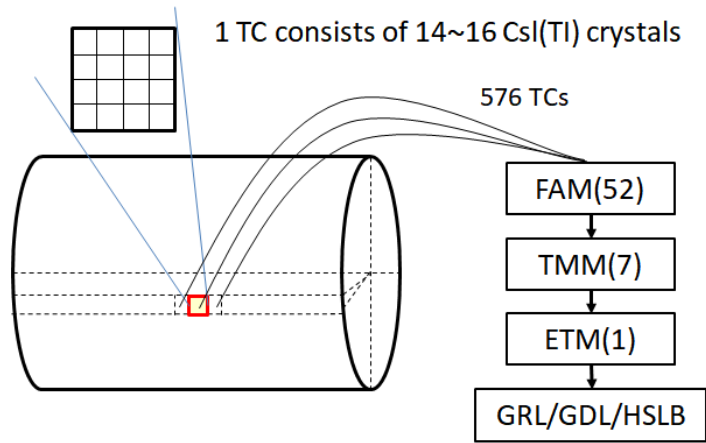
ECL Trigger System

1. User Module Part
2. Archiver Part
3. Database Part

1

CSS
(for GUI)

nsm2socket 9090

(Memory Sharing)
NSM2

slc/apps/[nsm_nodes]

2
3

Local LAN
(192.168.xxx.xxx)

User module
(+ TRGECL library)

VME CPU

ssh-tunnel

Server

**Configuration
Database server**

**ECLTRG Module
(Hardware)**

nsm2cad: NSM → EPICS
(172.22.xxx.xxx)

Archiver server
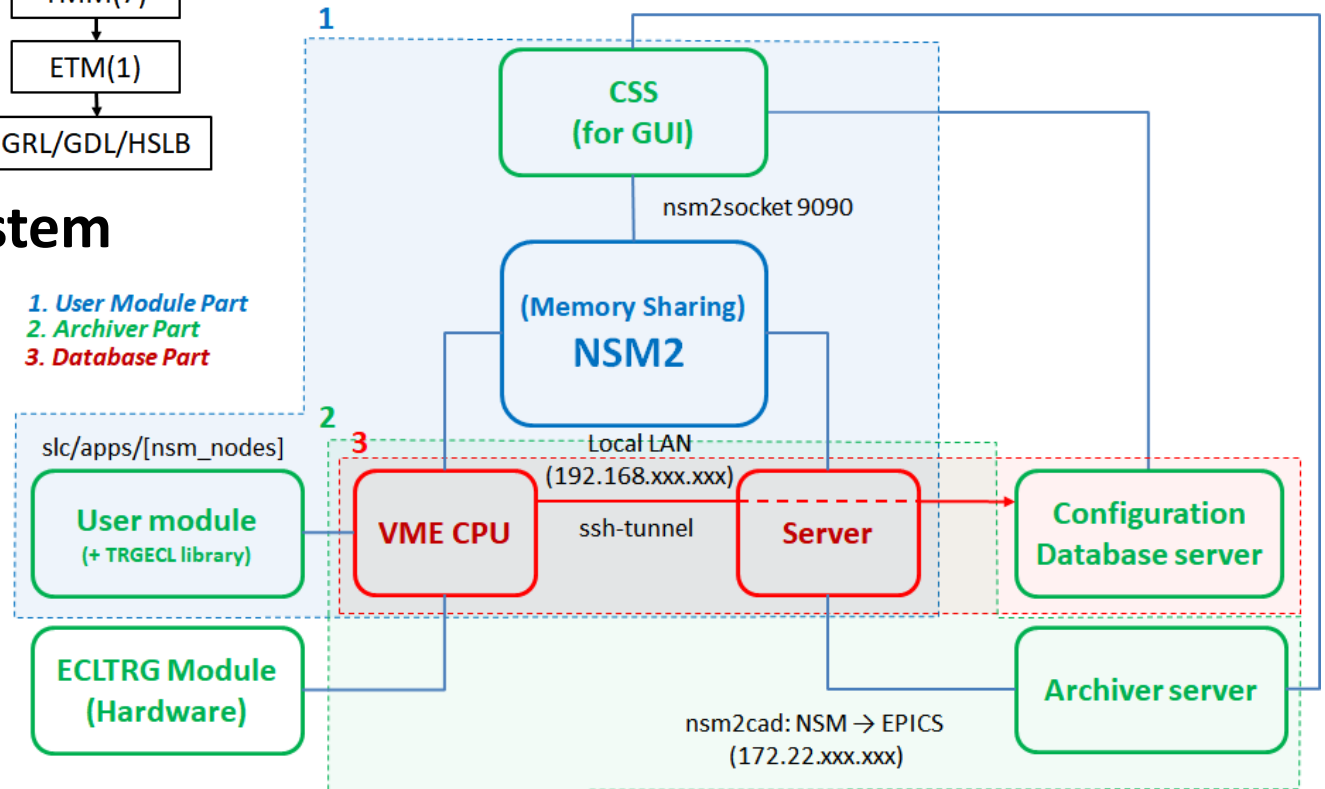
Schematic of ECL Trigger Slow Control System
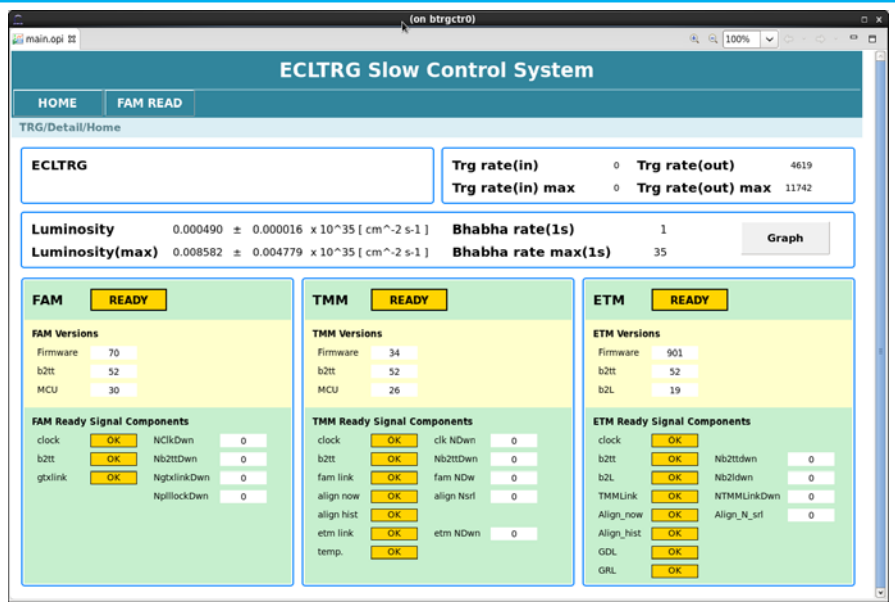
User module
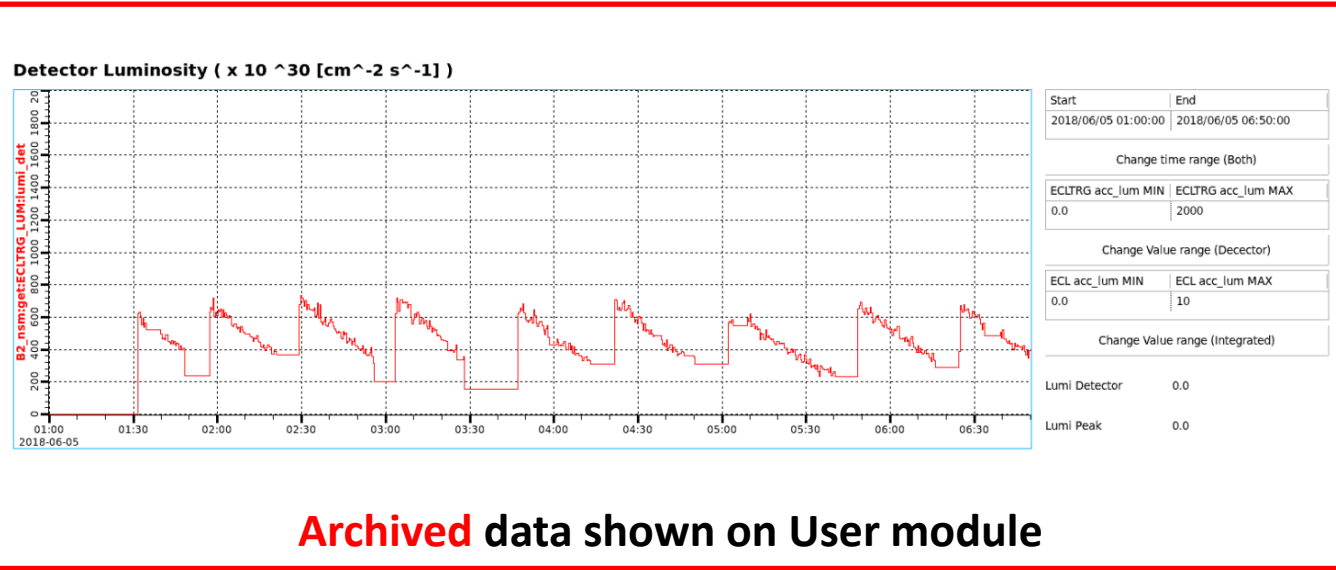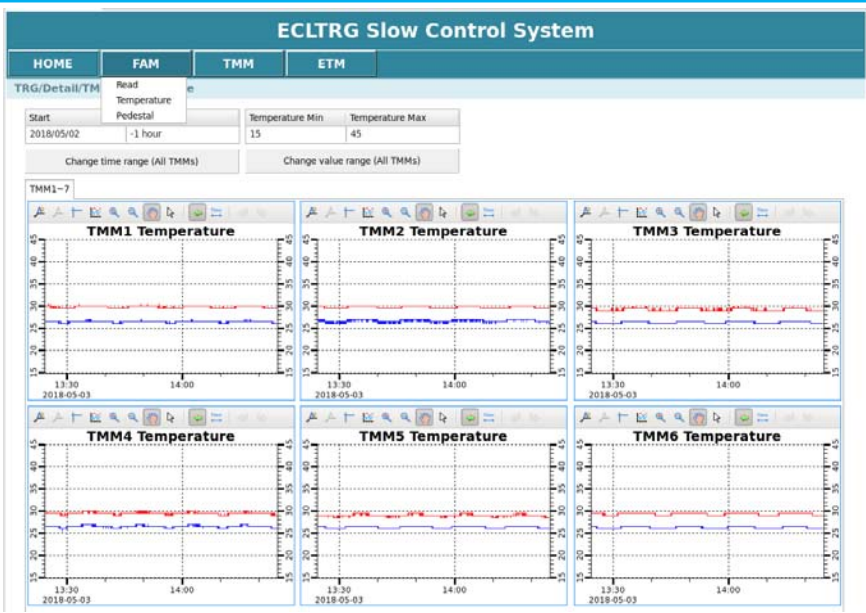
Archived data shown on User module

Configuration DB