AD0 DCS

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DCS TASKS

Current ADO_DCS Tasks	Priority
Define FSM´s hierarchy tree • add independent trees to the central FSM to become more flexible	HIGH
Add Alarms and Help Alarms	HIGH
Prepare DIM interface for communication with CTP	LOW
Define archiving of the datapoints for Conditions DB • Add aliases for SHUTTLE	HIGH
Prepare configuration files • For different run modes (PHYSICS, COSMICS, LED, etc.)	MEDIUM

DCS TASK

Central DCS Requirements	Priority
Alarm Configuration and Alarm Help panels*	HIGH
Standard Top node FSM *	HIGH
ERROR condition	HIGH
FSM Color and States	HIGH
Full + Fast SOR/EOR, Archiving on SOR/EOR	HIGH
Fire Brigade data	LOW
Web Screenshots	LOW

DCS TASK

DCS Integration Issues	Priority
“GO_SAFE” action is not working for central DCS	X
DCS sometimes shows “MIXED” state when “STBY_CONFIGURED” conditions exist	X
Add Cosmic Run high voltages selector for 5, 10, 15, 20 ADC counts per MIP *	MEDIUM

MainDCSUi: dcsUiUserPanelInFrame (lhc_instrumentation - lhc_instrumentation; #2)

13:33 10-03-15 | dcsoper | Ui v4.0.6 Man:#2 | LHC: SHUTDOWN / NO BEAM | ALICE: STANDBY / NOT SAFE | BPI : DCS_BPTX

FSM | DCS_BPTX | READY

- »» DCS_BPTX ««
  - BPTX_CU
  - BPTX_INFRA
  - BPTX_DCS_RUN

ADA

PAD 1 0

2 3

Layer 3

Layer 2

LV-ADA

ADC

PAD 1 0

2 3

Layer 1

Layer 0

LV-ADC

Front End Electronic

CONFIGURED

CCIU-CTP

CIU-2

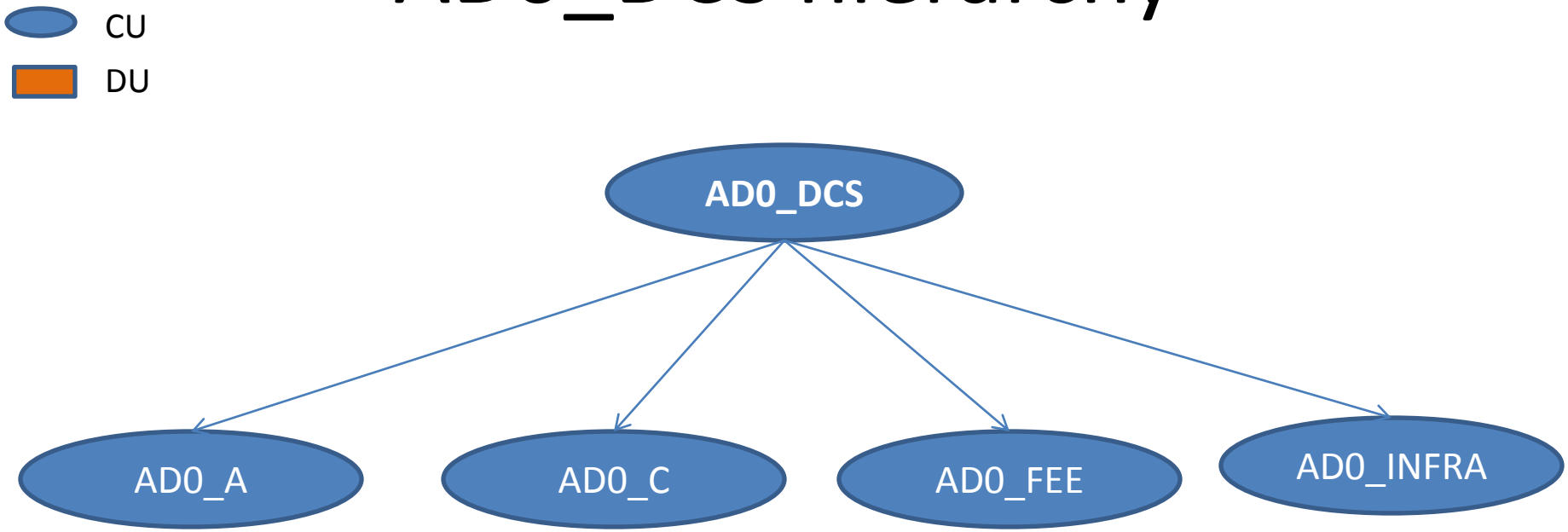
CIU-1

BPTX Auxiliary Monitoring Zone

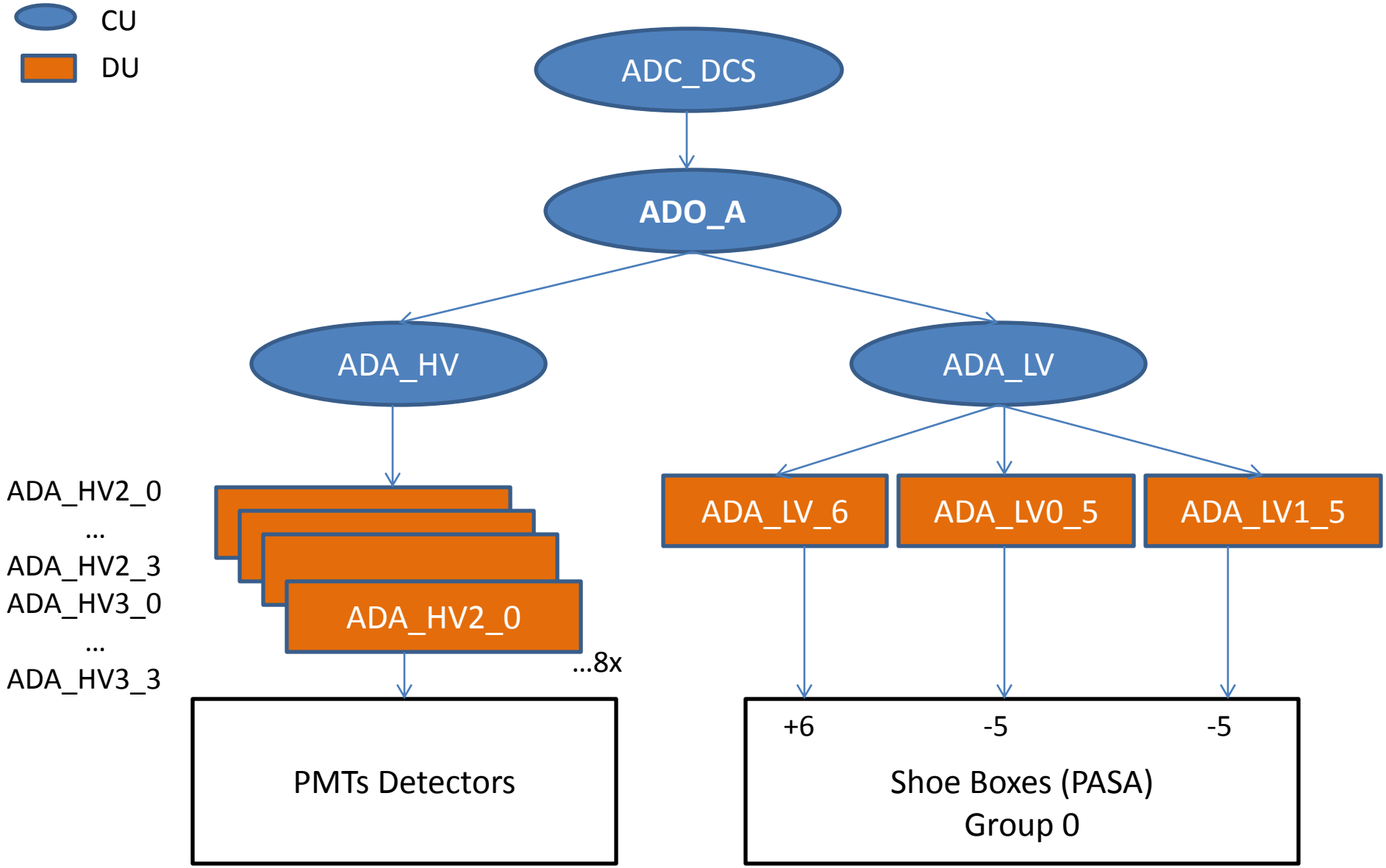
BOARDS | BPIM01 | BPIM02

Infra | INFRA

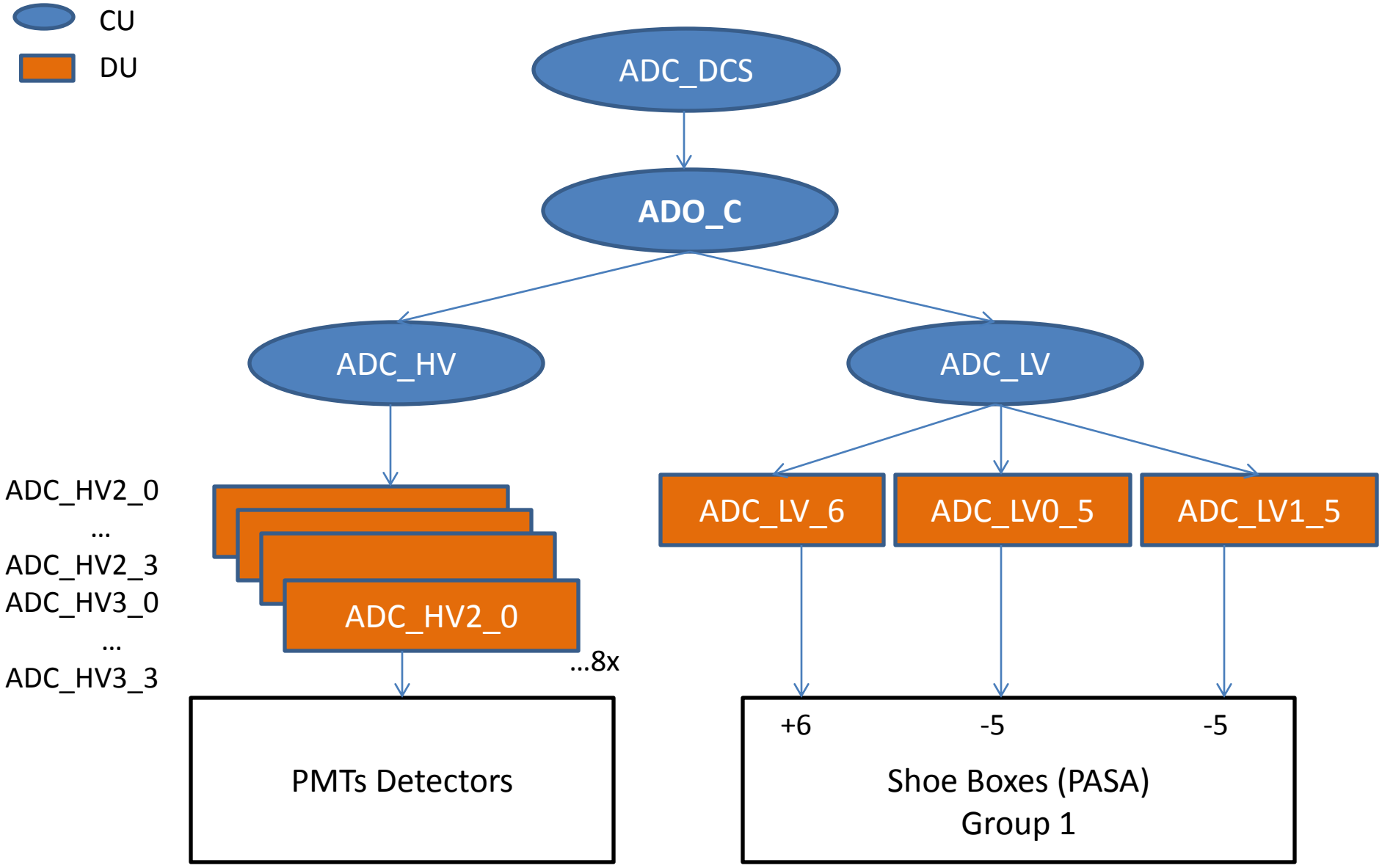
AD0_DCS hierarchy



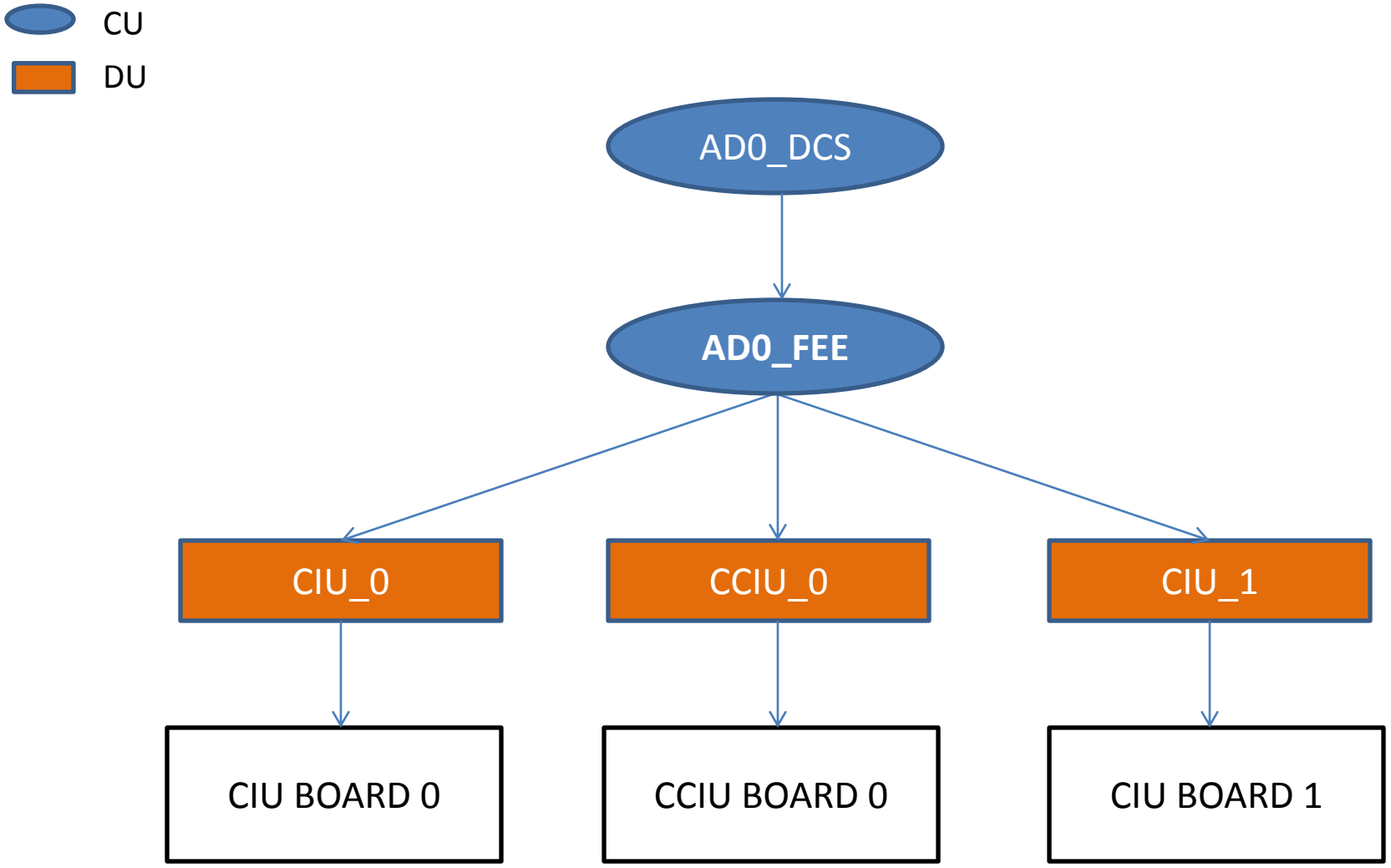
AD0_ADA hierarchy



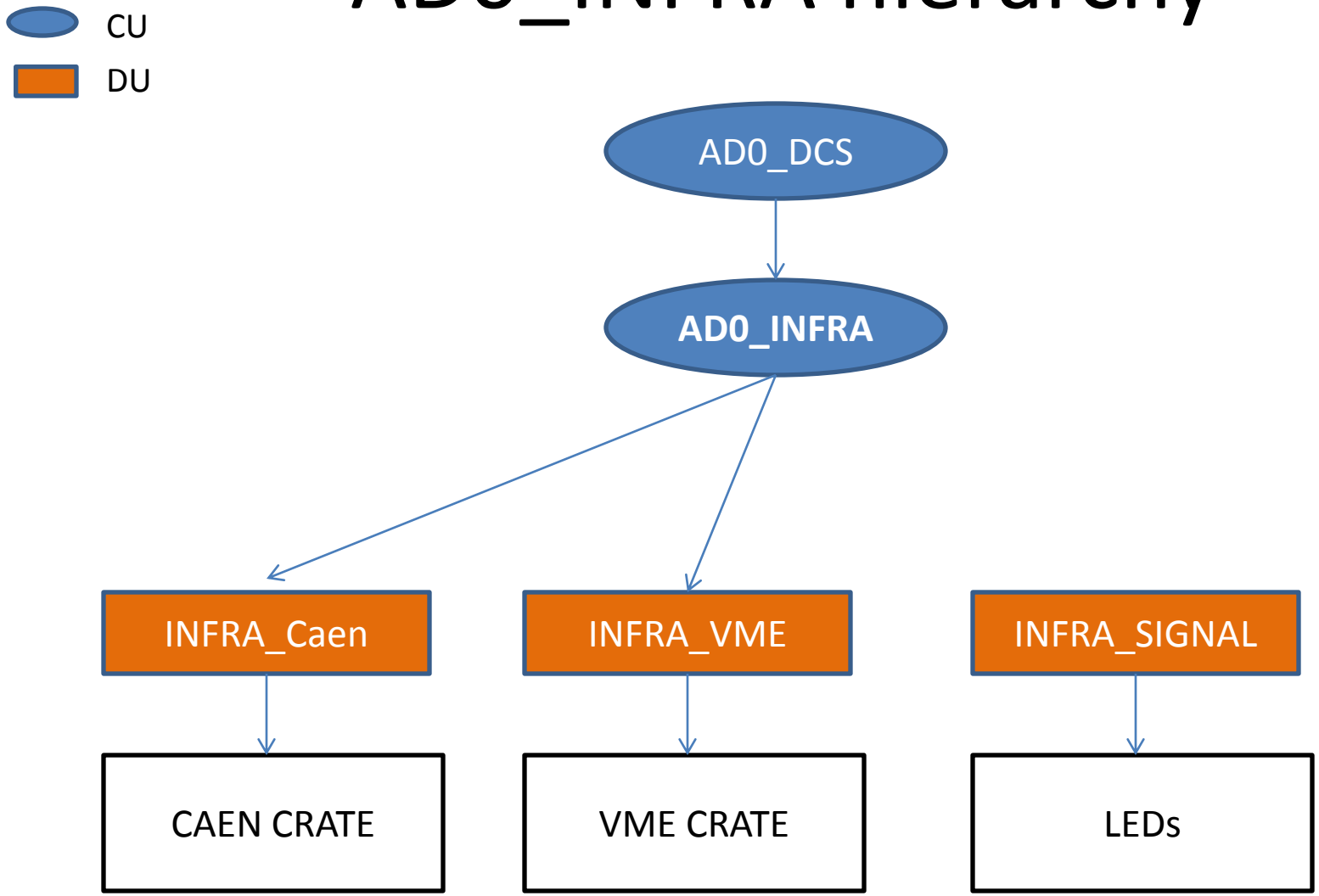
AD0_ADC hierarchy



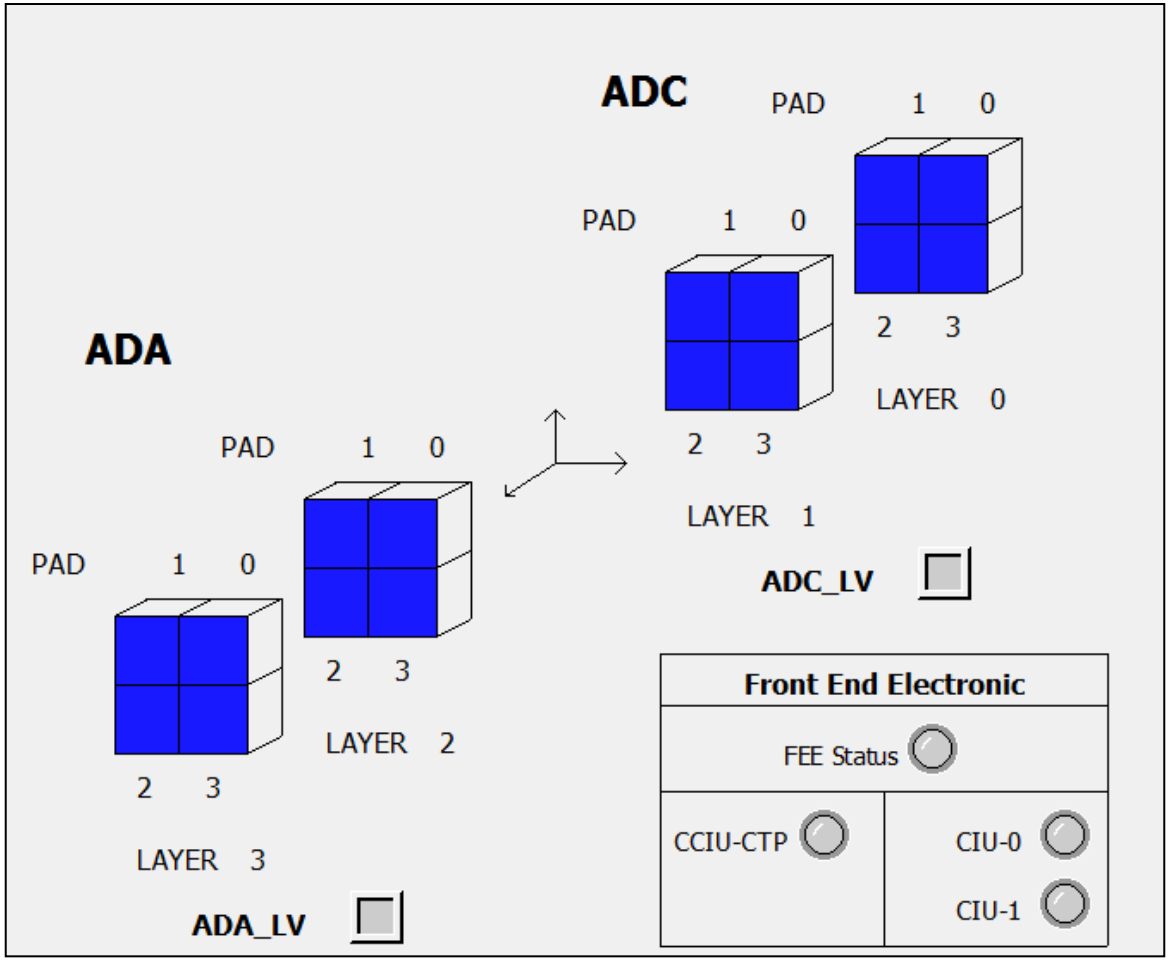
AD0_FEE hierarchy



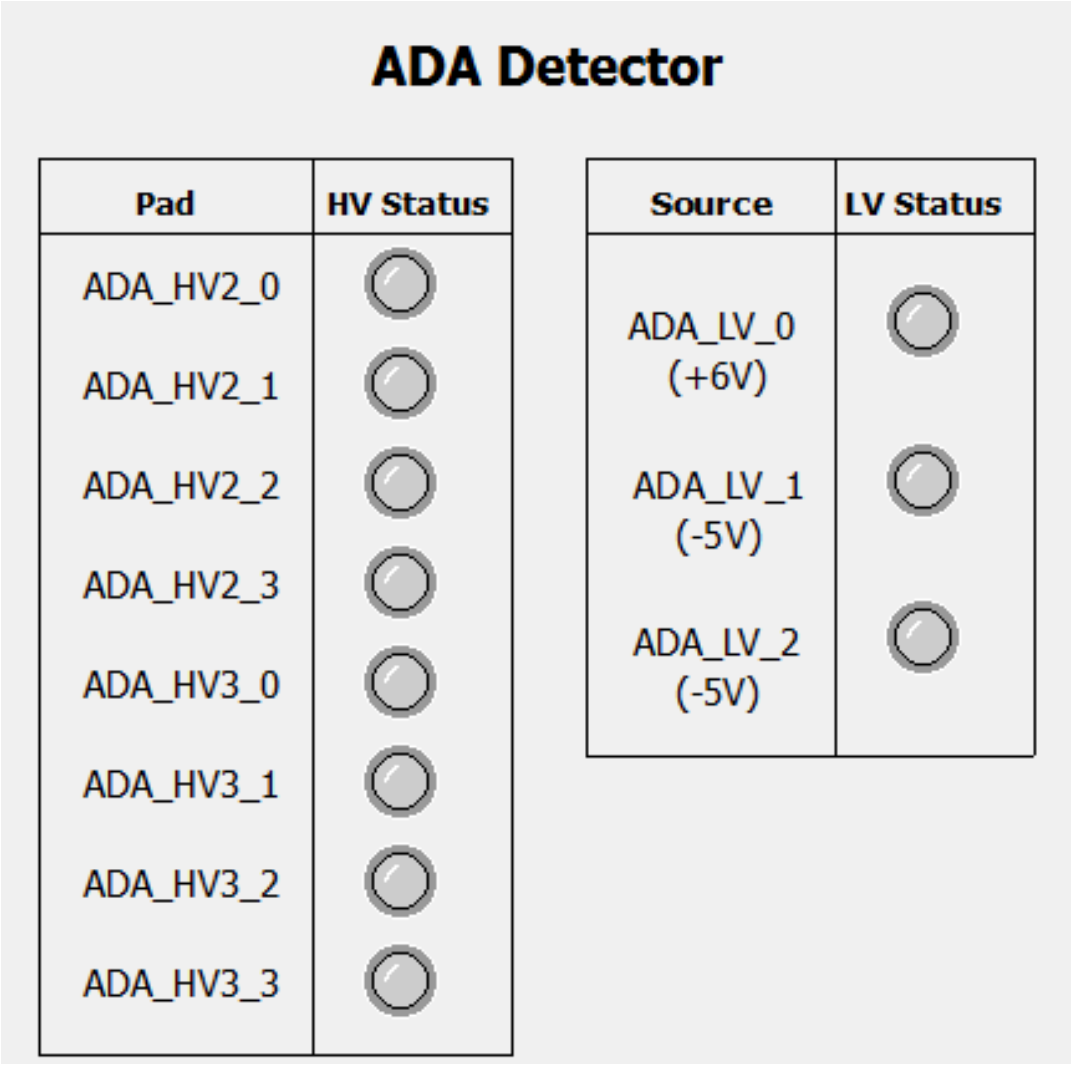
AD0_INFRA hierarchy



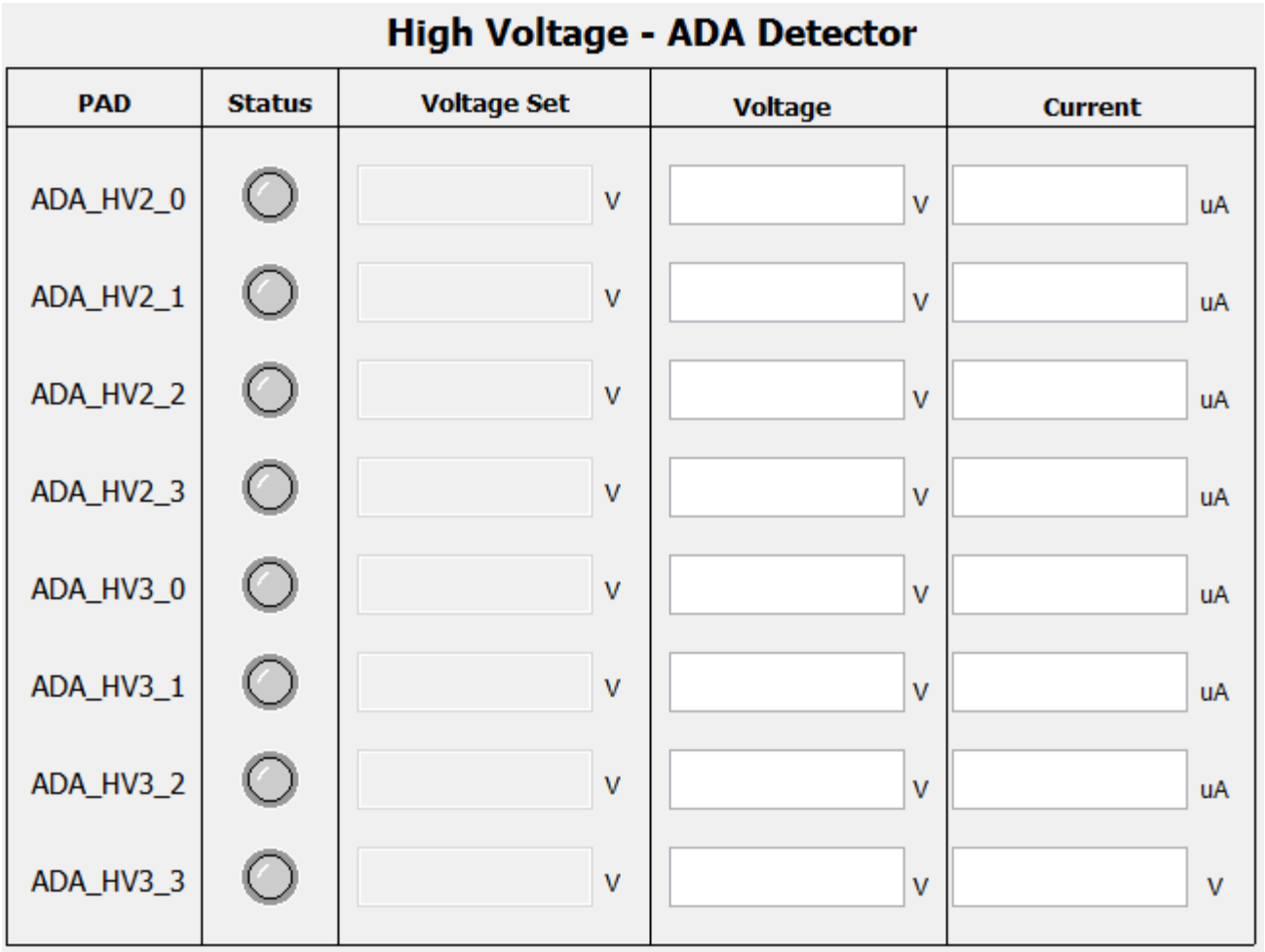
AD0 MainPanel



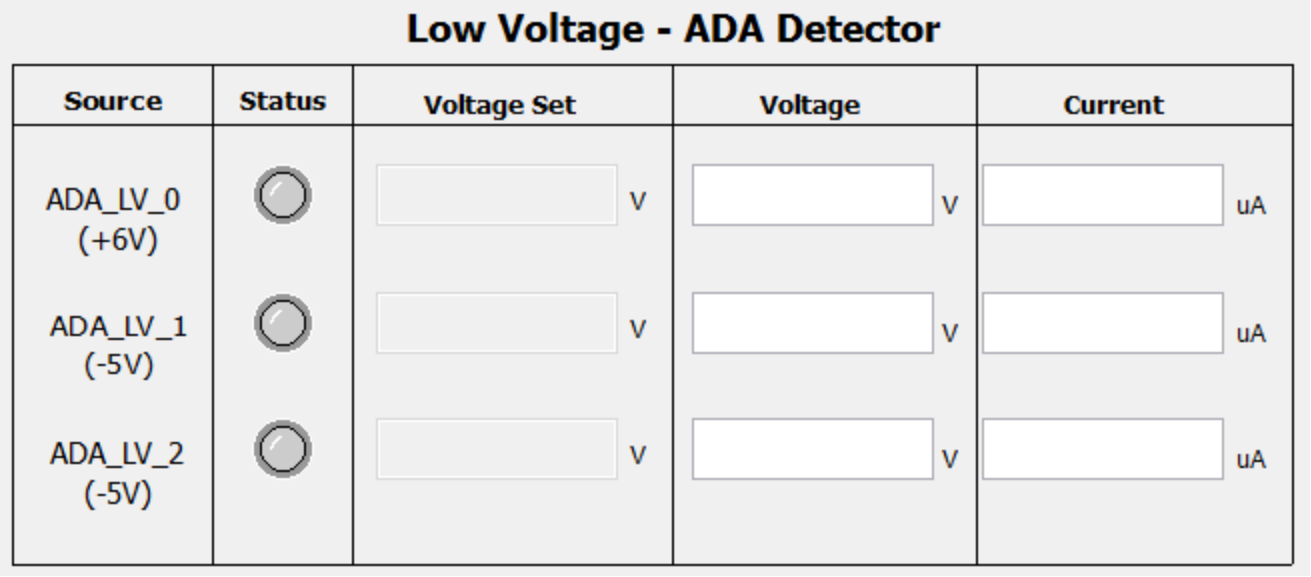
ADA Panel


ADA Detector
Pad
HV Status
ADA_HV2_0
ADA_HV2_1
ADA_HV2_2
ADA_HV2_3
ADA_HV3_0
ADA_HV3_1
ADA_HV3_2
ADA_HV3_3
Source
LV Status
ADA_LV_0
(+6V)
ADA_LV_1
(-5V)
ADA_LV_2
(-5V)

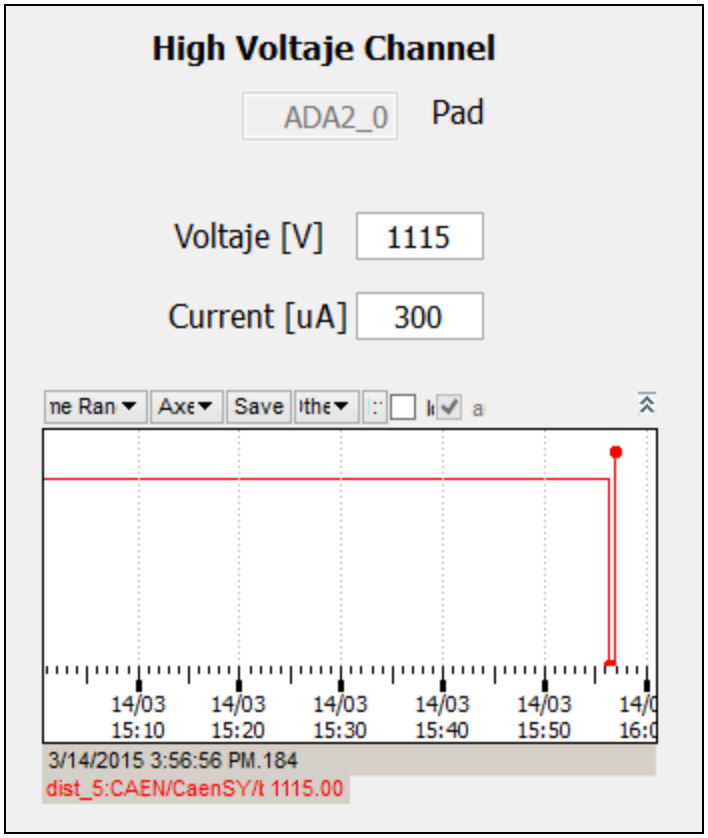
HV - ADA Detector Panel



LV – ADA Detector Panel



HV – ADA Channel Panel



GRACIAS