

Քայլ արա ...

- Գնանք առաջ

Հաշվետվություն

- 15.01.2018 – 15.04.2018 (II ab)

Մասնակցություն հերթափոխների (shifts)
(8 արված + 8 չեղարկված)



4/22/2018

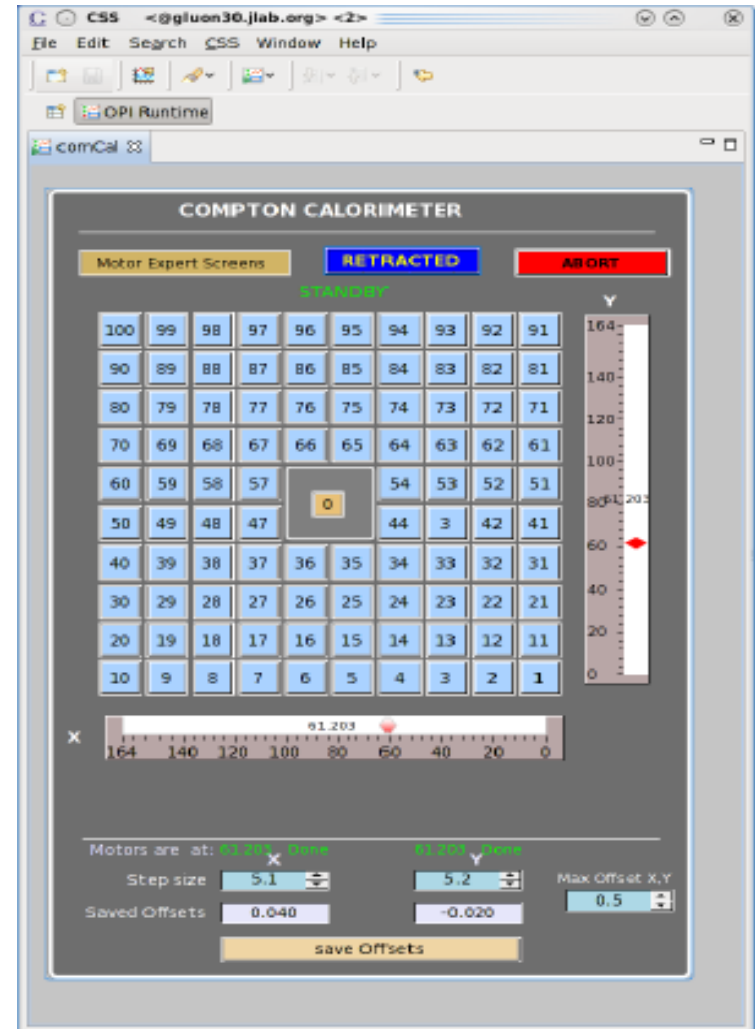
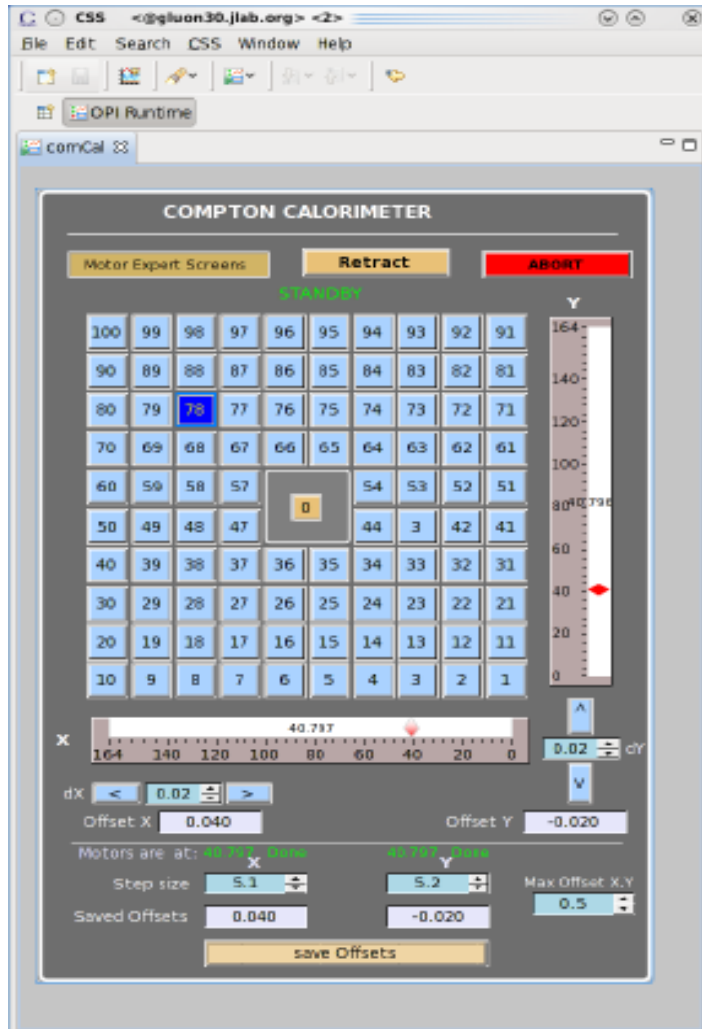
Feb 27, 2018

Դանդաղ վերահսկման համակարգի զարգացում: Նոր դետեկտորների համար գրաֆիկական ինտերֆեյսի (GUI) ու գործիքների ստեղծում:

The screenshot shows a MediaWiki page for a meeting. At the top left is the GLUEX logo. Below it is a navigation sidebar with links for Main page, Recent changes, Random page, and Help. A search box is also present. The main content area has tabs for 'page', 'discussion', 'view source', and 'history'. The title is 'Controls Meeting 08-Mar-2018'. Below the title is a list of topics: Announcements, Solenoid status (Tim, Beni, Brian) with sub-items PXI chassis spare (Brian) and adding new variable in EPICS during down time (Nick), EPICS IOC status EPICS GUI (Vanik), ComCal motorized stage controls status (Vanik), EPICS support for ActiveMQ messages (Hovanes), and Other. Below the list is a section titled 'Time/Location' with the text '10:00AM Thursday 08-Mar-2018 CC B101'.

Compton Calorimeter

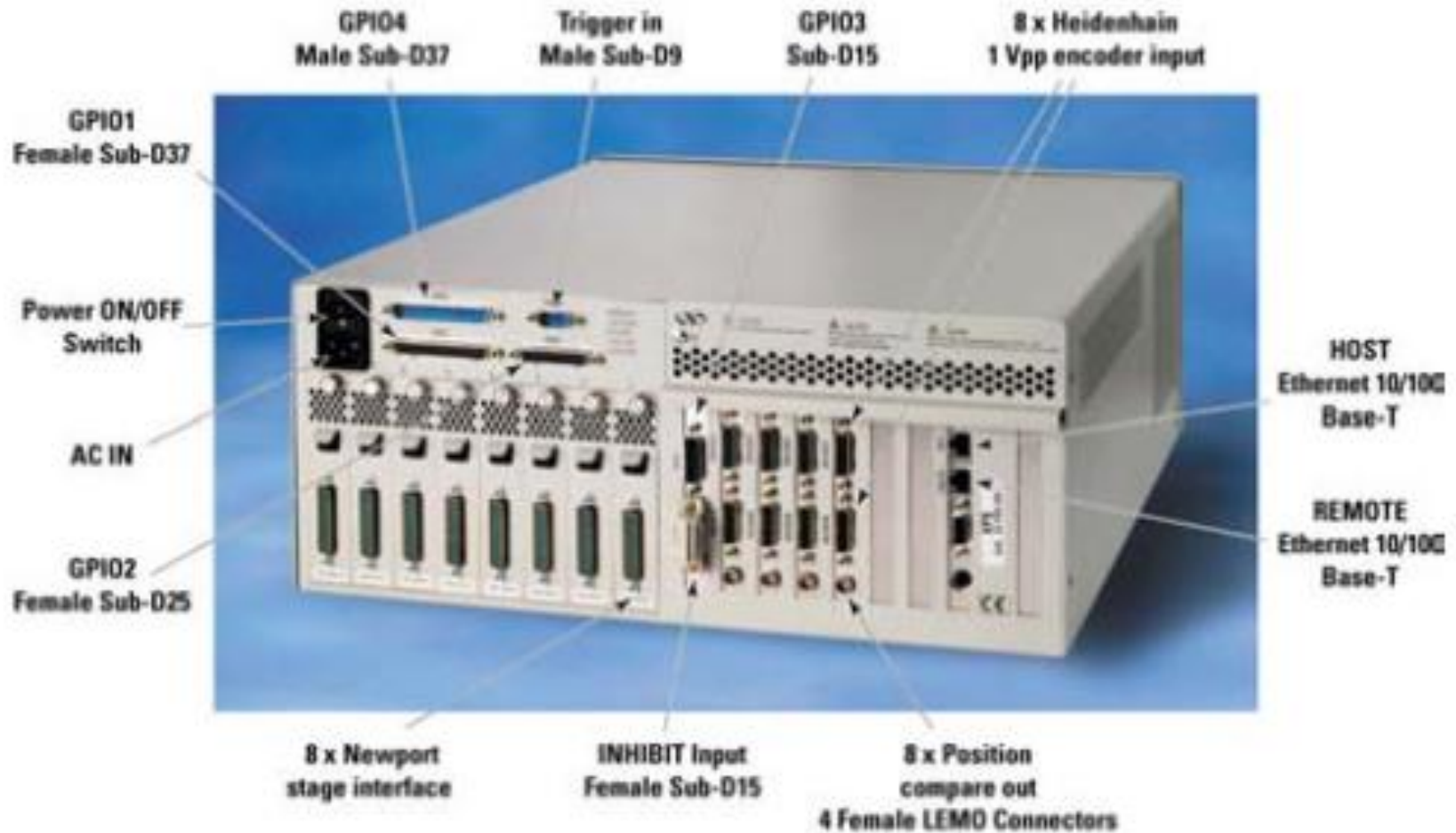
(motorized stage controls for calibration)



XPS - C8 Universal High-Performance Motion Controller



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Compton Calorimeter HV

File Edit Search CSS Window Help

OPI Runtime

ComCal_voltages_expert.opi

Row	5:5	4:5	3:5	2:5	1:5	-1:5	-2:5	-3:5	-4:5	-5:5	
Row 5	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF	
Voltage	0.0	0.0	0.0	0.0	0.0	500.0	499.5	500.0	500.0	500.0	
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Row 4	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF	
Voltage	0.0	0.0	0.0	0.0	0.0	499.5	499.5	500.0	500.0	500.0	
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Row 3	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF	
Voltage	0.0	0.0	0.0	0.0	0.0	499.5	499.0	499.5	500.0	500.0	
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Row 2	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF	
Voltage	0.0	0.0	0.0	0.0	0.0	500.0	499.0	499.5	500.0	500.0	
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Row 1	disable	disable	disable	disable	All HV					OFF	OFF
Voltage	0.0	0.0	0.0	0.0							
Current	0.0	0.0	0.0	0.0							
Row -1	disable	disable	disable	disable		OFF	OFF	OFF	OFF	OFF	
Voltage	0.0	0.0	0.0	0.0		499.5	500.0	500.5	499.5	0.0	
Current	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	
Row -2	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF	
Voltage	0.0	0.0	0.0	0.0	0.0	499.5	499.5	499.5	499.5	500.0	
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Row -3	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF	
Voltage	0.0	0.0	0.0	0.0	0.0	499.5	499.0	500.0	499.5	500.0	
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Row -4	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF	
Voltage	0.0	0.0	0.0	0.0	0.0	499.5	500.0	500.0	500.0	500.0	
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Row -5	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF	
Voltage	0.0	0.0	0.0	0.0	0.0	499.0	499.5	500.0	499.5	500.0	
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

COMPTON CALORIMETER HV

Turn OFF ALL HV

SAVE/RESTORE

Channels Voltages

Channels Currents

Compton Calorimeter HV

File Edit Search CSS Window Help

OPI Runtime

ComCal_voltages_expert.opi

Row	5:5	4:5	3:5	2:5	1:5	-1:5	-2:5	-3:5	-4:5	-5:5
Row 5	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF
Voltage	0.0	0.0	0.0	0.0	0.0	199.5	199.5	199.5	200.0	199.5
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Row 4	disable	disable	disable	disable	disable	ON	OFF	OFF	OFF	OFF
Voltage	0.0	0.0	0.0	0.0	0.0	1.0	197.0	197.5	197.5	197.5
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Row 3	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF
Voltage	0.0	0.0	0.0	0.0	0.0	197.5	197.0	197.0	197.5	197.5
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Row 2	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF
Voltage	0.0	0.0	0.0	0.0	0.0	197.5	197.0	197.0	198.0	197.5
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Row 1	disable	disable	disable	disable	All HV		OFF	OFF	OFF	OFF
Voltage	0.0	0.0	0.0	0.0	0.0	0.0	197.0	197.5	197.5	197.5
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Row -1	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF
Voltage	0.0	0.0	0.0	0.0	0.0	197.0	197.0	197.5	198.0	197.5
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
Row -2	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF
Voltage	0.0	0.0	0.0	0.0	0.0	197.0	197.0	197.5	197.5	197.5
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Row -3	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF
Voltage	0.0	0.0	0.0	0.0	0.0	197.5	197.0	198.0	197.5	197.5
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Row -4	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF
Voltage	0.0	0.0	0.0	0.0	0.0	197.0	197.5	197.5	197.5	197.5
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Row -5	disable	disable	disable	disable	disable	OFF	OFF	OFF	OFF	OFF
Voltage	0.0	0.0	0.0	0.0	0.0	197.0	197.5	198.0	197.5	197.5
Current	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COMPTON CALORIMETER HV

Turn OFF ALL HV

SAVE/RESTORE

Channels Voltages

Channels Currents

Compton Calorimeter HV (menu)

The screenshot displays the 'COMPTON CALORIMETER HV' control software. The main interface is a grid of HV channels, organized into rows (Row 5 to Row -5) and columns. Each channel is represented by a small table showing its status (e.g., 'disable', 'OFF', 'ON') and numerical values for Voltage and Current. A central 'All HV' button is visible. On the right side, there are control buttons: 'Turn OFF ALL HV' (highlighted with a red box), 'SAVE/RESTORE', and a 'Turn ON all HV channels' button. Below the grid, there are two graphs: 'Channels Voltages' and 'Channels Currents', both showing data for 100 boards. The bottom of the screen shows the date '4/22/2018' and the text 'Հանկի Կակոյան (ԵրՖՊ)'.

Compton Calorimeter HV(channels, parameters)

File Edit Search CSS Window Help

101%

OPI Runtime

ComCal Row 5 channels

ComCal: HV channels Row: 5

Channel Name	Crate Slot Channel #	Measured Voltage	Voltage Setpoint	Voltage Setpoint Readback	HV ON/OFF	Channel Status	Measured Current	Trip Current Setpoint	Trip Current Readback	Trip Timeout Setpoint	Trip Timeout Readback	Max Voltage Setpoint	Max Voltage Readback	Max Hardware Voltage	Max EPICS Voltage	Ramp Up Rate Setpoint	Ramp Up Rate Readback	Ramp Down Rate Setpoint	Ramp Down Rate Readback
COMCAL: hv:5:5	D2-8-BOT:6:23	0.0	198	0.0	OFF	Disabled	0.0	275	0.0	7	0.0	3,333	0.0	0.0	3,999	22	0	19	0
COMCAL: hv:4:5	D2-8-BOT:6:13	0.0	198	0.0	OFF	Disabled	0.0	275	0.0	7	0.0	3,333	0.0	0.0	3,999	22	0	19	0
COMCAL: hv:3:5	D2-8-BOT:6:3	0.0	198	0.0	OFF	Disabled	0.0	275	0.0	7	0.0	3,333	0.0	0.0	3,999	22	0	19	0
COMCAL: hv:2:5	D2-8-BOT:4:17	0.0	198	0.0	OFF	Disabled	0.0	275	0.0	7	0.0	3,333	0.0	0.0	3,999	22	0	19	0
COMCAL: hv:1:5	D2-8-BOT:4:7	0.0	198	0.0	OFF	Disabled	0.0	275	0.0	7	0.0	3,333	0.0	0.0	3,999	22	0	19	0
COMCAL: hv:-1:5	D2-8-BOT:2:23	197.5	198	198.0	OFF	On	0.0	275	275.0	7	7.0	3,333	3,333.0	3,637.0	3,999	22	22	19	19
COMCAL: hv:-2:5	D2-8-BOT:2:15	197.5	198	198.0	OFF	On	0.0	275	275.0	7	7.0	3,333	3,333.0	3,637.0	3,999	22	22	19	19
COMCAL: hv:-3:5	D2-8-BOT:2:5	197.5	198	198.0	OFF	On	0.0	275	275.0	7	7.0	3,333	3,333.0	3,637.0	3,999	22	22	19	19
COMCAL: hv:-4:5	D2-8-BOT:0:19	198.0	198	198.0	OFF	On	0.0	275	275.0	7	7.0	3,333	3,333.0	3,569.0	3,999	22	22	19	19
COMCAL: hv:-5:5	D2-8-BOT:0:9	197.5	198	198.0	OFF	On	0.0	275	275.0	7	7.0	3,333	3,333.0	3,569.0	3,999	22	22	19	19

ComCal HV Parameters

ComCal: Set parameters for HV channels Row: 5

Voltage	Trip Current	Trip Timeout	Max Voltage	Ramp Up	Ramp Down	Set Max EPICS Voltage
200.0	177.0	0.0	3,000.0	15	20	0

Status of EPICS IOC-s

```

iocPartMap.py - jluonf2/home/kakoyan/epics/R3-14-12-3-1/app/scripts/IOC <@gluon30.jlab.org>
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* TOPKITCHEN : { "host": "iocpulser1", "port": 25063, "enable": "enabled", "path": "/gluon/controls/epics/R3-14-12-3-RHEL5/app/iocBoot/ioctruckScaler", "cmd": "topkitchen.cmd", "title": "TOP KITCHEN" }
* BTMTRK : { "host": "iocpulser2", "port": 25063, "enable": "enabled", "path": "/gluon/controls/epics/R3-14-12-3-RHEL5/app/iocBoot/ioctruckScaler", "cmd": "btmtrk.cmd", "title": "BTM TRK" }

# Pulser
* PULSER : { "host": "iocpulser1", "port": 25066, "enable": "enabled", "path": "/gluon/controls/epics/R3-14-12-3-RHEL5/app/iocBoot/iocpulserV1495", "cmd": "pulserV1495.cmd", "title": "PULSER" }
* BCPAL : { "host": "iocpulser2", "port": 25069, "enable": "enabled", "path": "/gluon/controls/epics/R3-14-12-3-RHEL5/app/iocBoot/iocpulserV1495", "cmd": "pulserBICAL.cmd", "title": "BICAL" }

# JCR to control detector Voltage
* TPOLVLT : { "host": "gluonloc1", "port": 25056, "enable": "enabled", "path": "/S&P/iocBoot/iocvoltage", "cmd": "tpol-voltage.cmd", "title": "TPOL VOLTAGE" }
* BEAMVLT : { "host": "gluonloc1", "port": 25057, "enable": "enabled", "path": "/S&P/iocBoot/iocvoltage", "cmd": "beam-voltage.cmd", "title": "BEAMLINE VOLTAGE" }
* BFDVLT : { "host": "gluonloc1", "port": 25058, "enable": "disabled", "path": "/S&P/iocBoot/iocvcaen", "cmd": "bfd-voltage.cmd", "title": "BFD VOLTAGE" }
* TASHVLT : { "host": "gluonloc1", "port": 25059, "enable": "enabled", "path": "/S&P/iocBoot/iocvcaen", "cmd": "tash-voltage.cmd", "title": "TASH VOLTAGE" }
* NPVVLT : { "host": "gluonloc1", "port": 25060, "enable": "enabled", "path": "/S&P/iocBoot/iocvcaen", "cmd": "npv-voltage.cmd", "title": "NPV VOLTAGE" }
* TAGMVLT : { "host": "gluonloc1", "port": 25061, "enable": "enabled", "path": "/S&P/iocBoot/iocvcaen", "cmd": "tagm-voltage.cmd", "title": "TAGM VOLTAGE" }
* PAVLT : { "host": "gluonloc1", "port": 25062, "enable": "enabled", "path": "/S&P/iocBoot/iocvcaen", "cmd": "ps-voltage.cmd", "title": "PS VOLTAGE" }
    
```

```

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iocGroupMap["VME SCALERS"] = list()
for iocName in fcnList:
    iocGroupMap["VME SCALERS"].append(iocName)

# How we deal with the ZSC for FCAL HV
fcnList = ["FCALHV1", "FCALHV2", "FCALHV3", "FCALHV4", "FCALHV5", "FCALHV6", "FCALHV7", "FCALHV8", "FCALHV9", "FCALHV10",
           "FCALHV11", "FCALHV12", "FCALHV13", "FCALHV14", "FCALHV15", "FCALHV16", "FCALHV17", "FCALHV18", "FCALHV19",
           "FCALHV20", "FCALHV21", "FCALHV22", "FCALHV23", "FCALHV24", "FCALHV25", "FCALHV26", "FCALHV27", "FCALHV28"]

iocGroupMap["FCAL HV"] = list()
for iocName in fcnList:
    iocGroupMap["FCAL HV"].append(iocName)
    
```

Հեռանկարները ...

Շնորհակալություն