

Daily Work

workrecord

Rong Zhao

2018 年 6 月 28 日

check data of one mass

I have written a script on the directory:

`/home/pmthome/containerdata/SYSU_ana`

the onsite shifter can run it through — `> bash masstoday.sh`

- takes about 3 minutes to run the data of whole batch.
- will output 72 png files which contain 36 0.1pe figures and 36 setpoint3000 figures.
- the shifter can also open the root files in the folder 'results' if they need.

the laser intensity in container1

This is the latest results, the intensity of laser have been modified some time ago.

表 1: data of mass 215

Row & column	1	2	3	4	5	6	7	8	9
A	0.21	0.21	0.19	0.19	0.17	0.18	0.12	0.17	0.16
B	0.14	0.14	0.2	0.15	0.15	0.12	0.16	0.15	0.12
C	0.22	0.2	0.18	0.23	0.21	0.16	0.15	0.13	0.18
D	0.15	0.16	0.17		0.23	0.23	0.16	0.81	0.22

表 2: data of mass 200

Row & column	1	2	3	4	5	6	7	8	9
A	0.12	0.13	0.13	0.14	0.11	0.15	0.11	0.16	0.16
B	0.12	0.14	0.16	0.14	0.11	0.1	0.14	0.14	0.13
C	0.13	0.18	0.18	0.16	0.14	0.11	0.13	0.13	0.15
D	0.15	0.15	0.15		0.15	0.17	0.14	0.72	0.18

other things about container2

I found that some of the DCR channels not works:

- the zero channel(drawer 225) broken in the 3rd V895 board.It always ouputs 0 since the 1st mass test.This is believed to be a hardware problem.
- the 8 channel in the 3rd board(drawer 233) gives tiny output, which is not coincident with the input signal.
- drawer 219,230 also give tiny DCR results.

so,maybe we need to check the DCR system entirely.

another choice is replacing them with software DCR results.

DCR from software

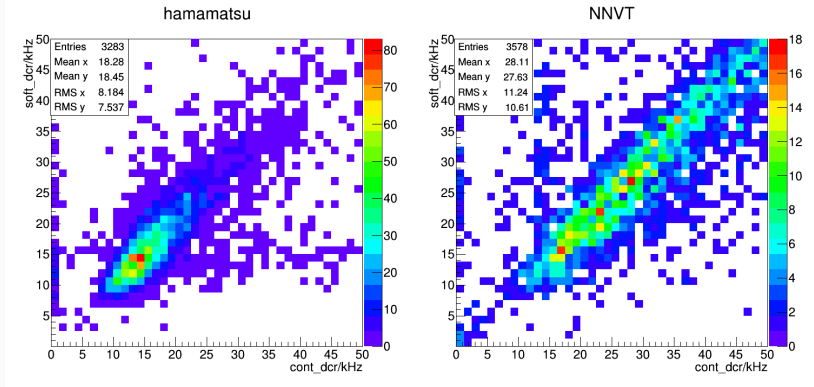
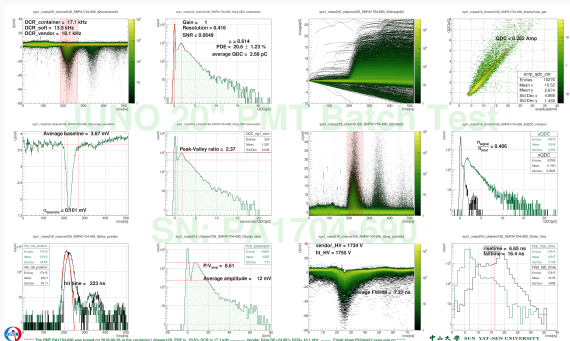


图 1: comparison of hardware DCR and software DCR

"reflection" signals in the container1

The figure below is from mass216,drawer 126.We have encountered similar problem in the mass215 drawer 125 PMT PA1708-1712 and mass167 drawer 107 with PMT PA1703-98





BACK-UP