

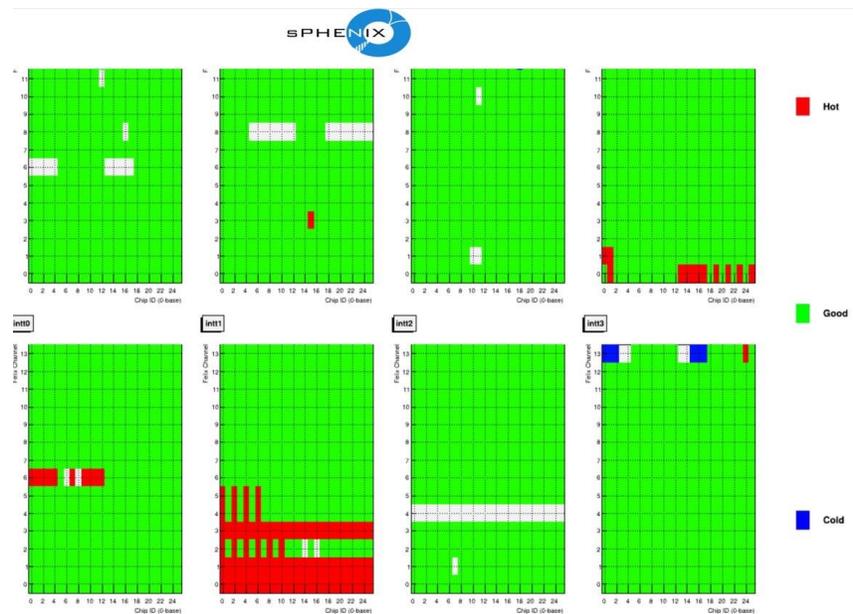
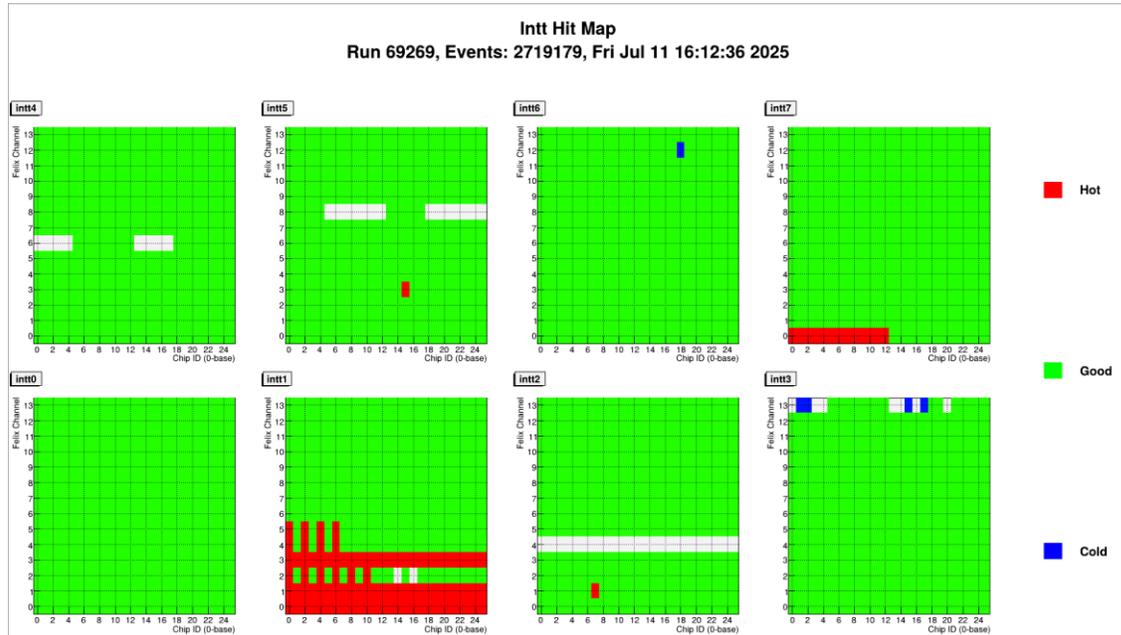
Digital-Control-analysis

Rikkyo university M1 TOMOKI HARADA

Run number

#Just for reference

#69268, 69269 10min, physics



#68016(前回取ったデータ)

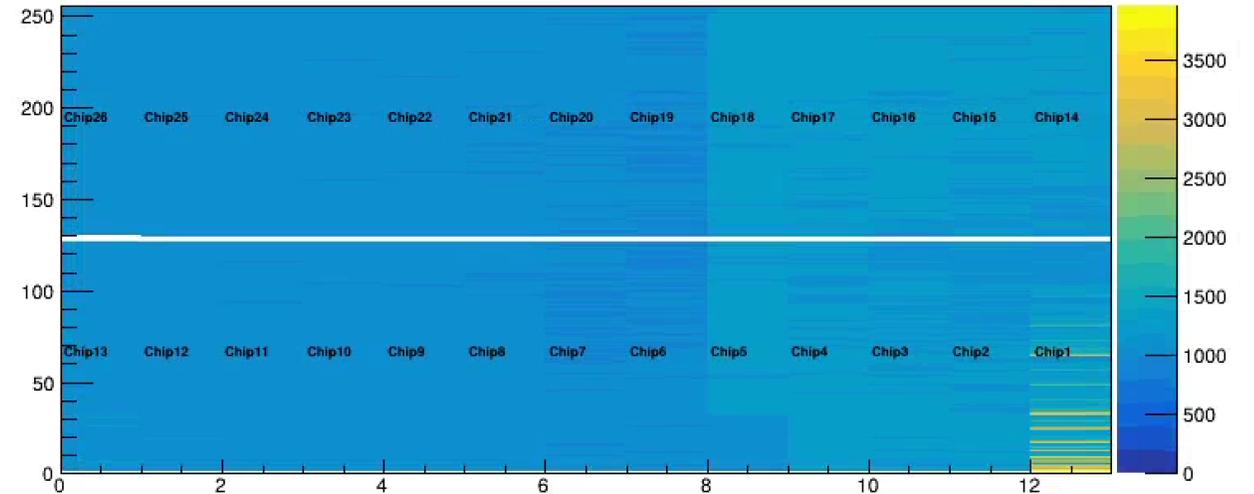
- 2run分Digital-control testように取得
- その2runは何も設定を変えていない
- intt1のHot-chipは参照用にDigital-controlを変えた所で、再現性あり

1	0	*	0
1	1	*	0
1	2	1	0
1	2	3	0
1	2	5	0
1	2	7	0
1	2	9	0
1	2	11	0
1	3	*	4
1	3	*	6
1	4	1	4
1	4	1	6
1	4	3	4
1	4	3	6
1	4	5	4
1	4	5	6
1	4	7	4
1	4	7	6
1	5	1	12
1	5	1	14
1	5	3	12
1	5	3	14
1	5	5	12
1	5	5	14
1	5	7	12
1	5	7	14

Viewing Run69268, 69269 data

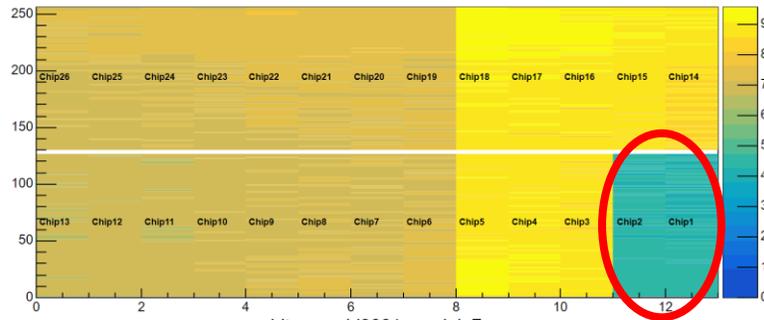
Felix Server	0
pid	3001
module	6
chip id	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

hitmap_pid3001_module6

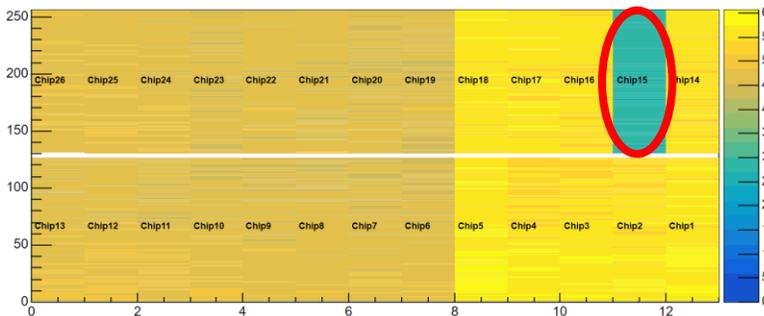


Half-entry-chips on HITMAP

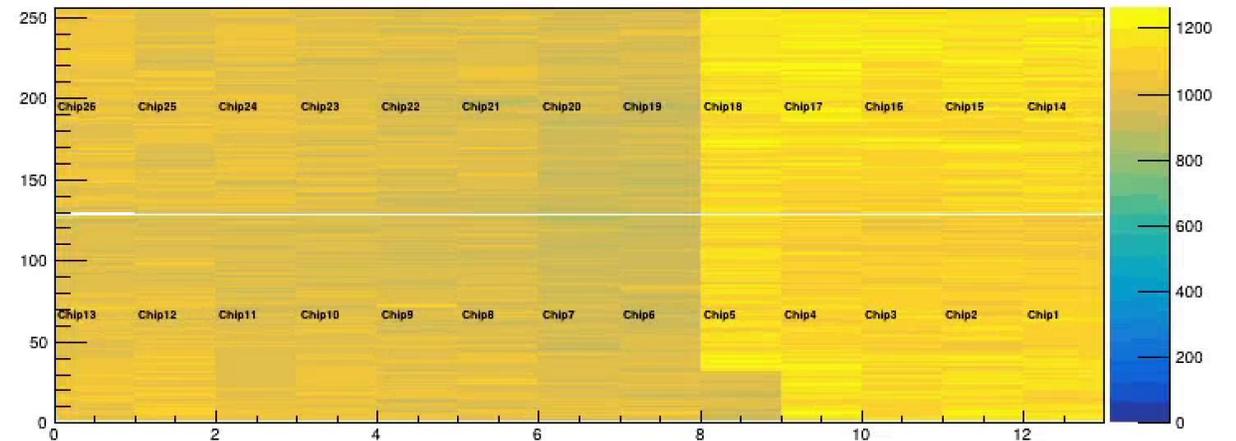
hitmap_pid3008_module1



hitmap_pid3001_module7



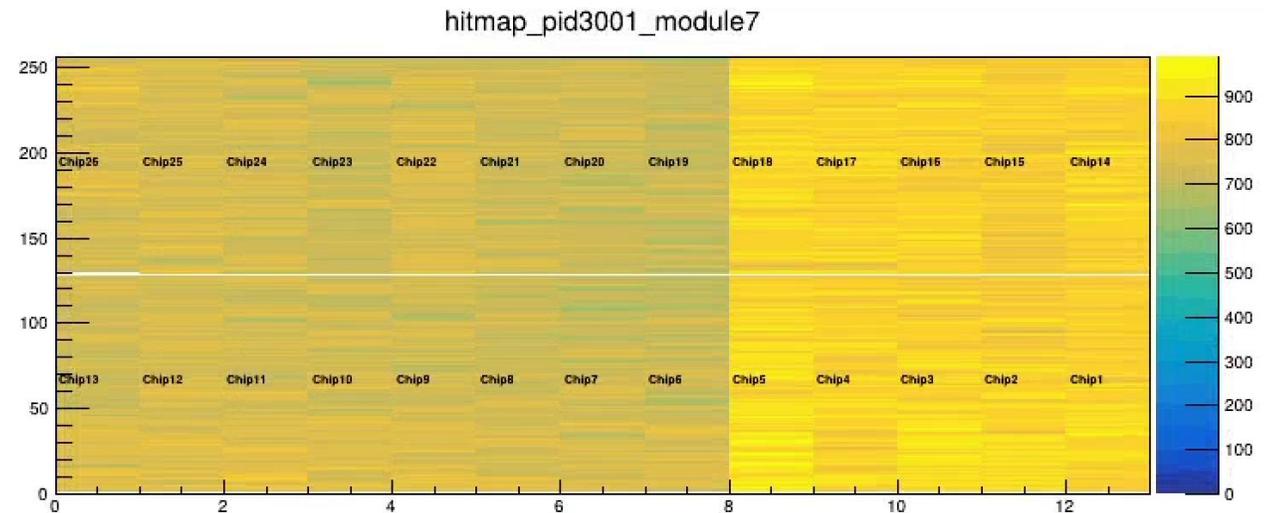
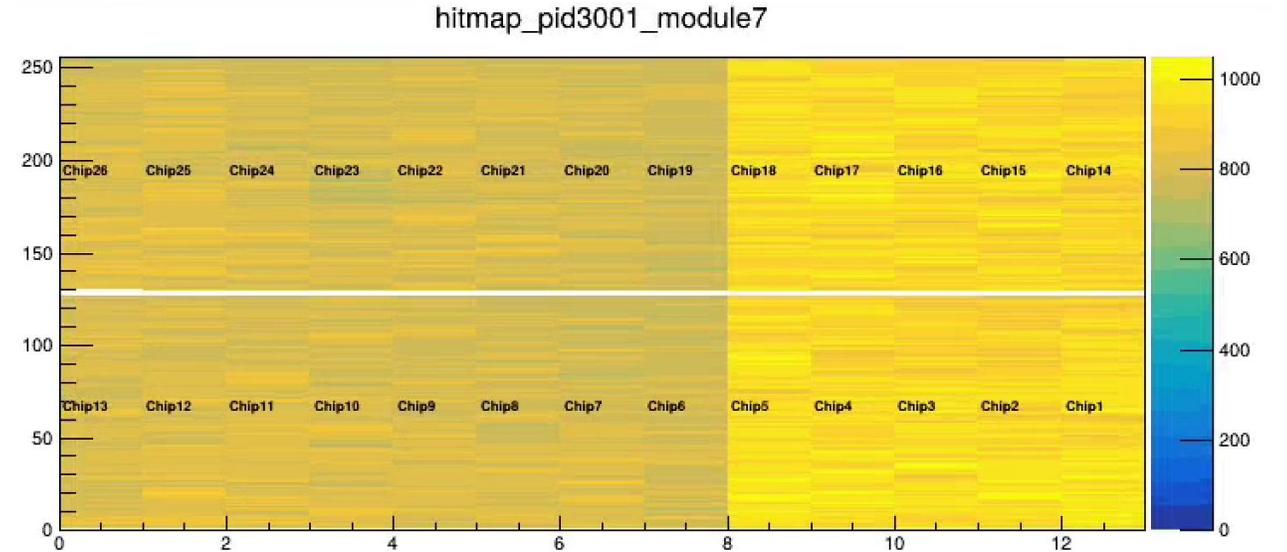
hitmap_pid3001_module6



エントリー数の回復が見れる!

Viewing Run69268, 69269 data

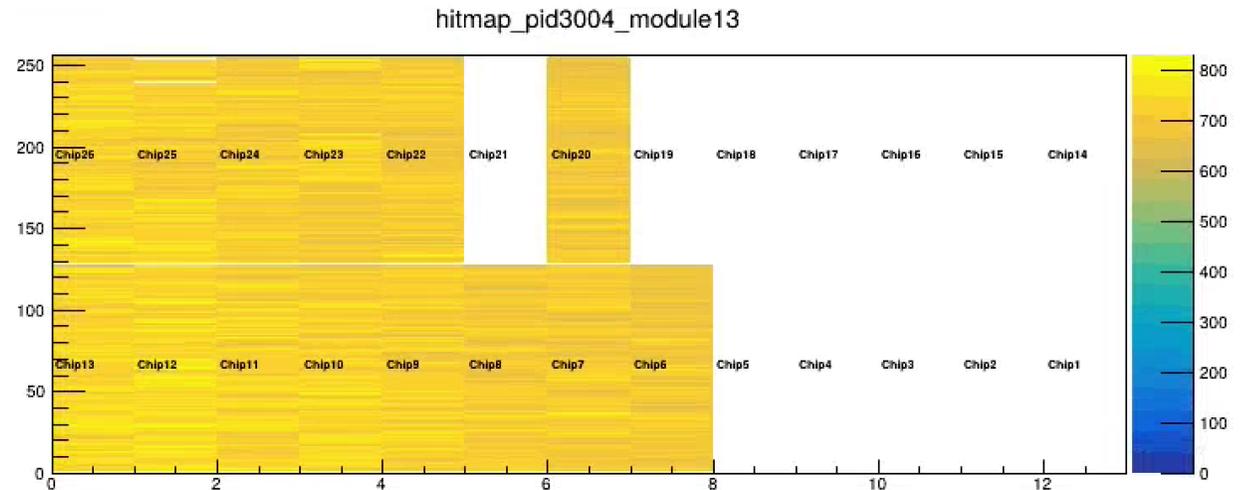
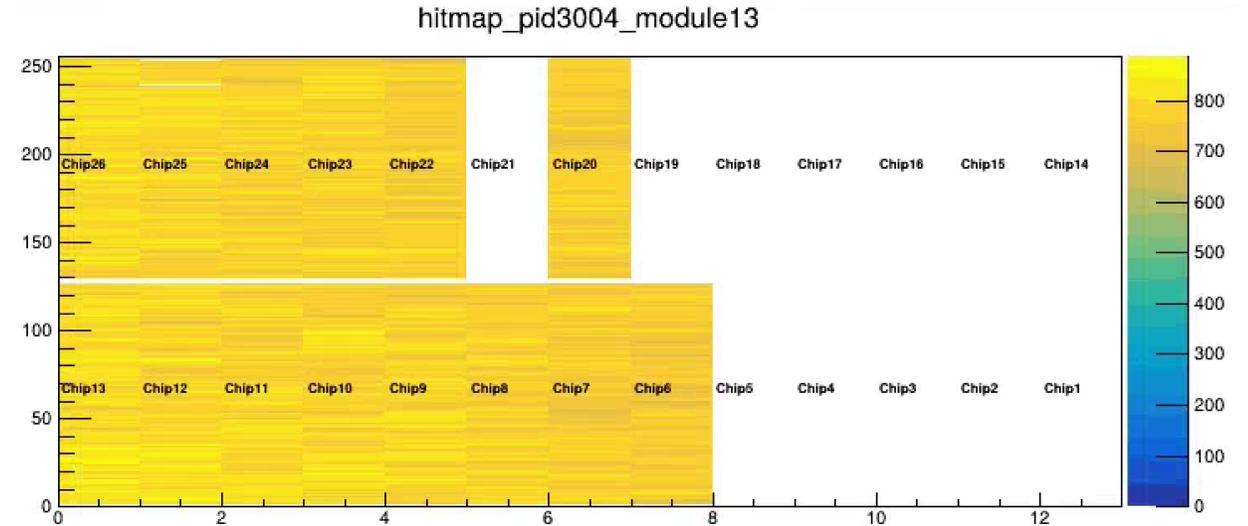
Felix Server	0
pid	3001
module	7
chip id	15



エントリー数の回復が見れる!

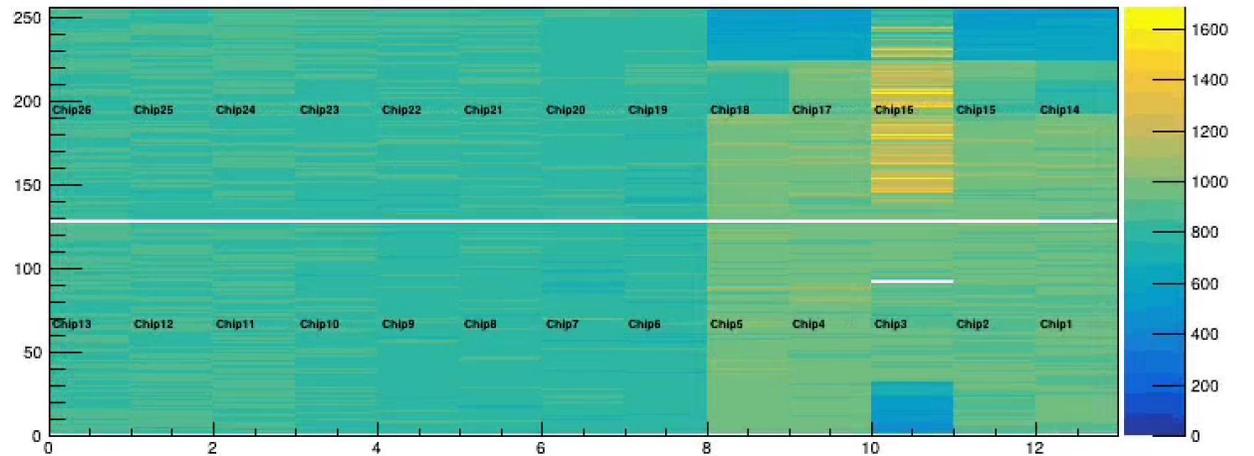
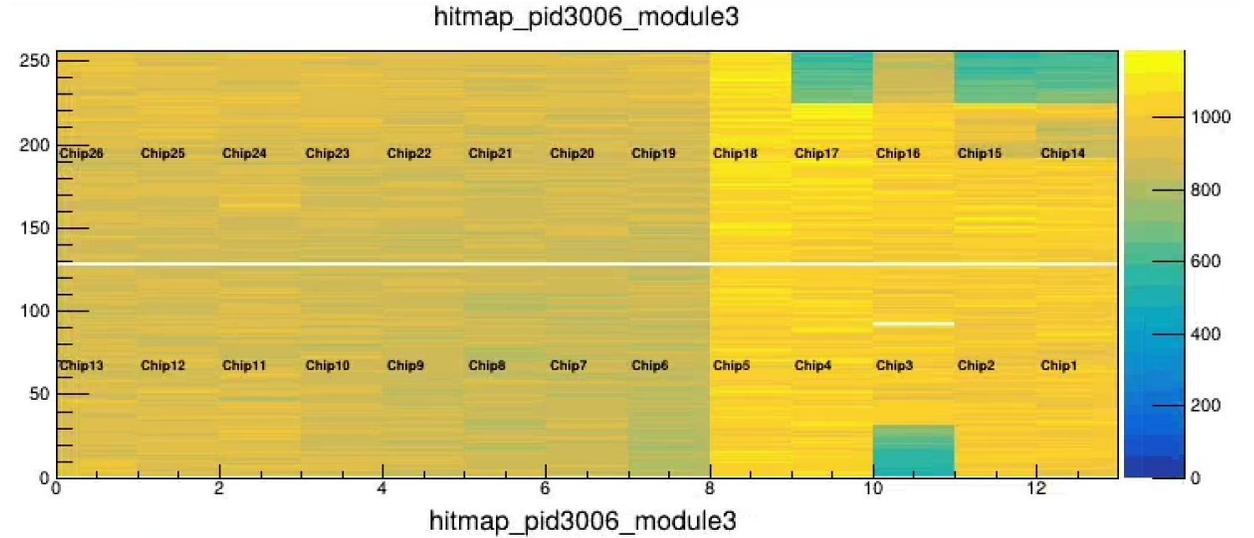
Viewing Run69268, 69269 data

Felix Server	3
pid	3004
module	13
chip id	21, 23, 25



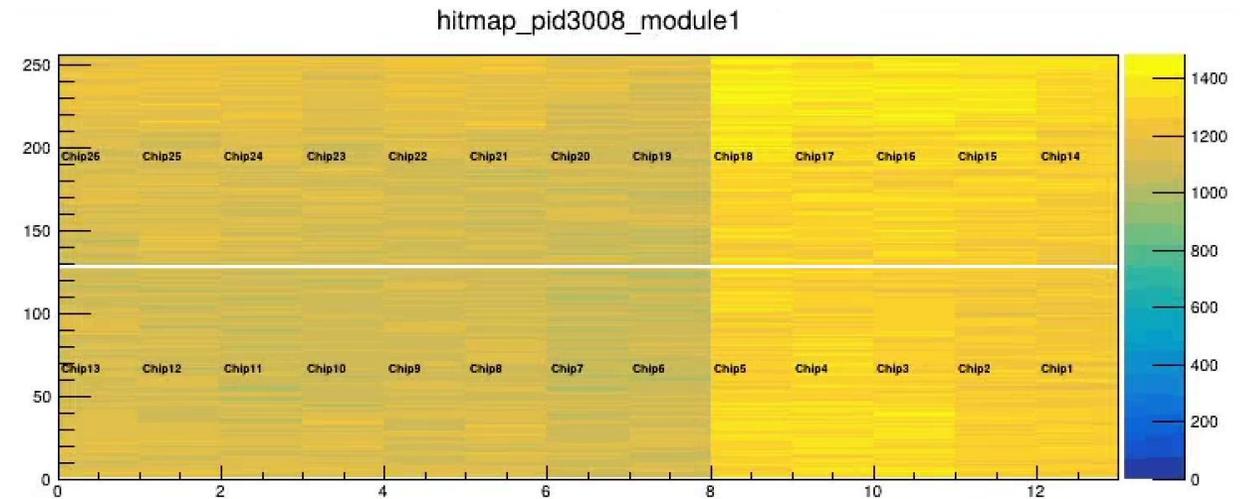
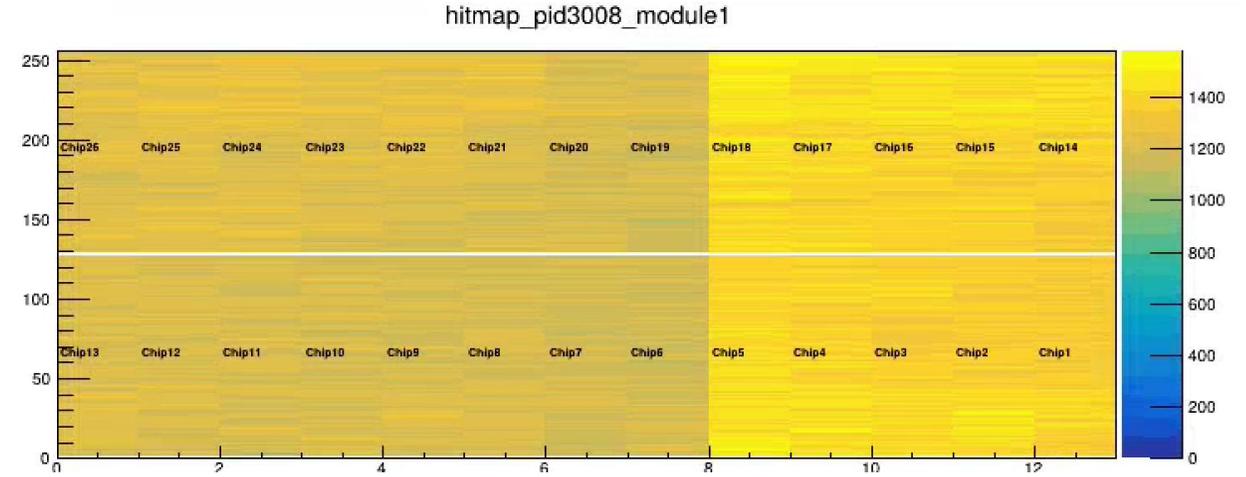
エントリー数の回復が見れる!

Felix Server	5
pid	3006
module	3
chip id	16



エントリー数の回復が見れる!

Felix Server	7
pid	3008
module	1
chip id	1, 2



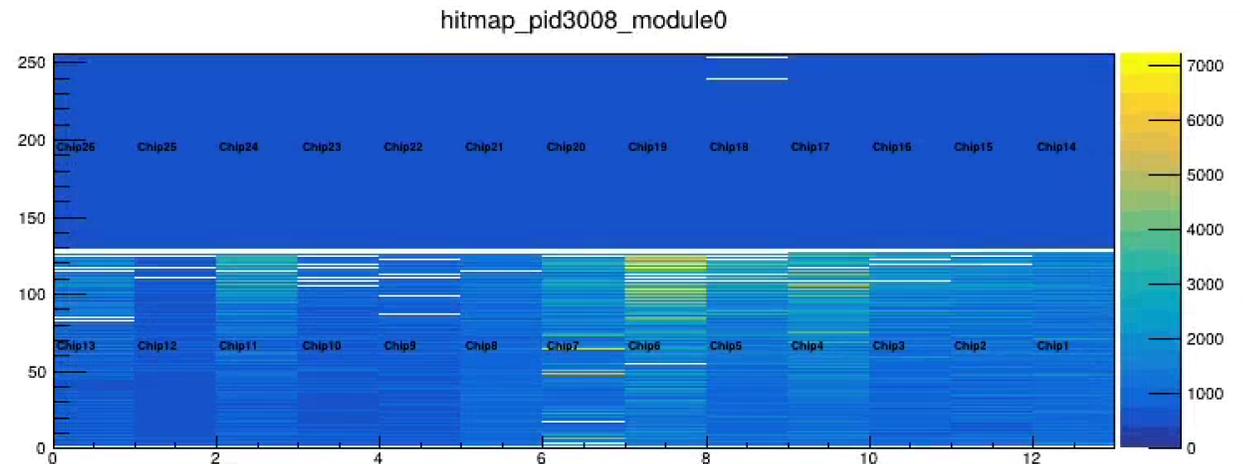
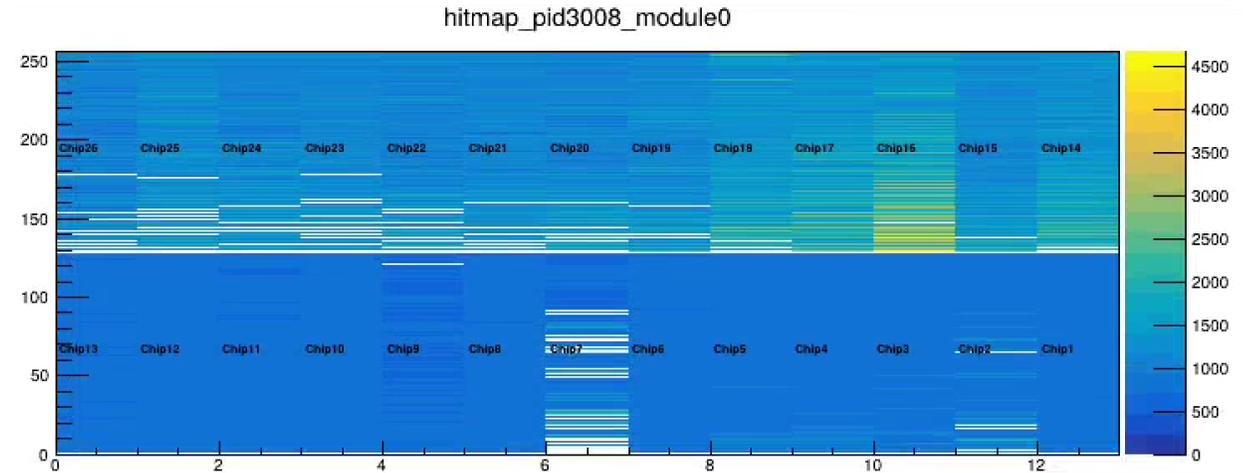
エントリー数の回復が見れる!

Viewing Run69268, 69269 data

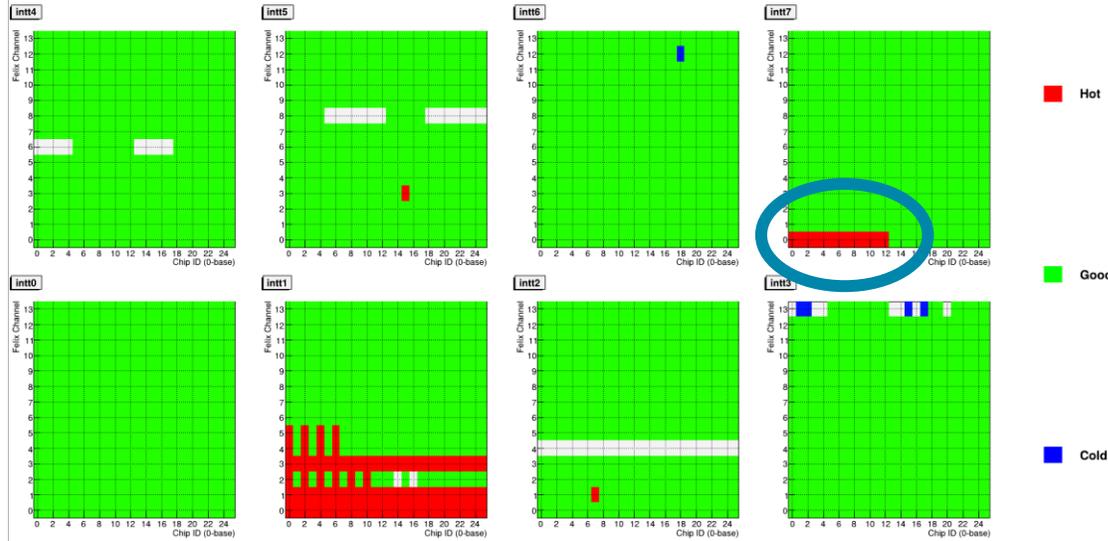
Felix Server	7
pid	3008
module	0
chip id	1, 2, 3, 4, 5, 7, 9, 11,13, 14, 15, 16, 17, 18, 20, 22, 24, 26

Hot-chipあり

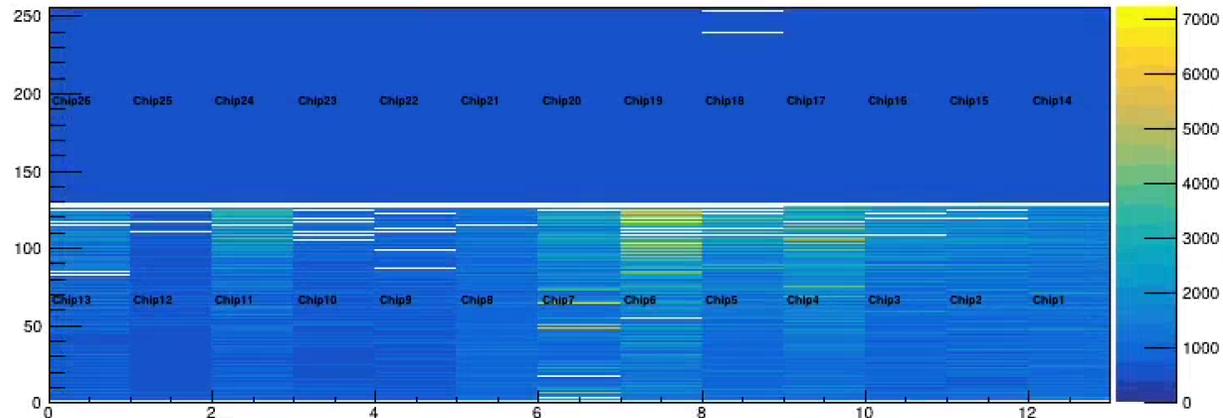
- 2runの間で何も設定を変えていないのに、hot-chipがスイッチしている。
- エントリー数の回復は定量的評価をしないと分からない。
- Digiconテストを戻すと half-entry状態に戻った。



Intt Hit Map
Run 69269, Events: 2719179, Fri Jul 11 16:12:36 2025

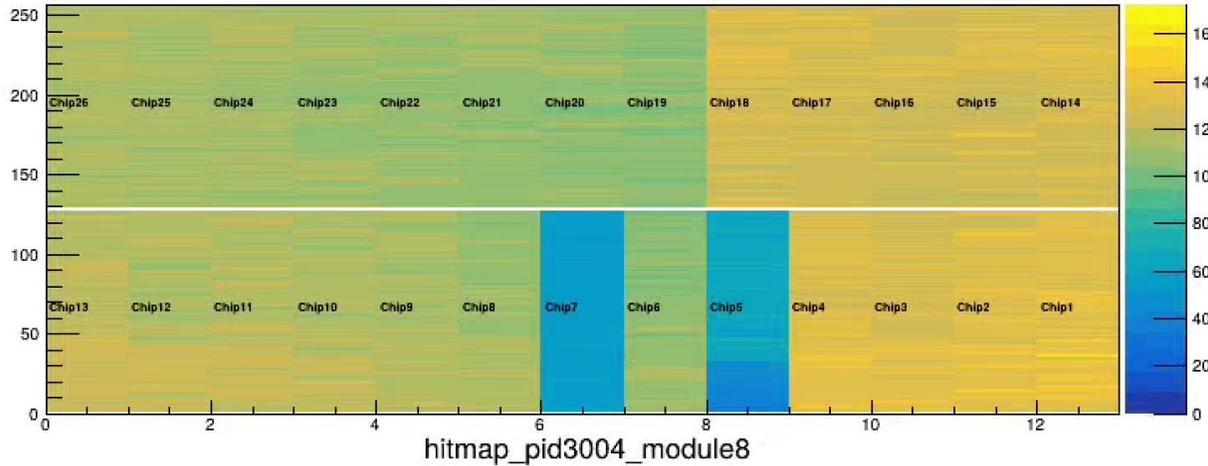


hitmap_pid3008_module0

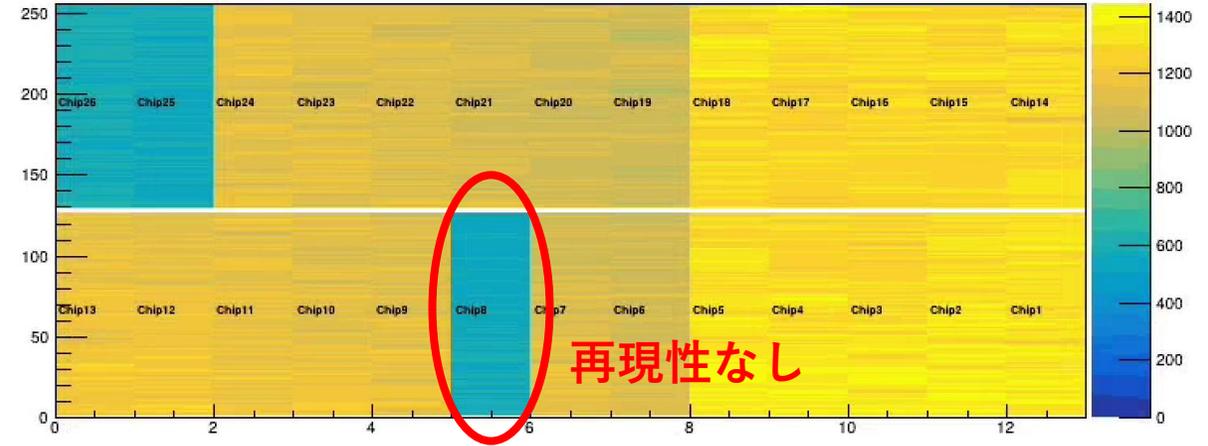


Felix Server	7
pid	3008
module	0
chip id	1, 2, 3, 4, 5, 7, 9, 11, 13, 14, 15, 16, 17, 18, 20, 22, 24, 26

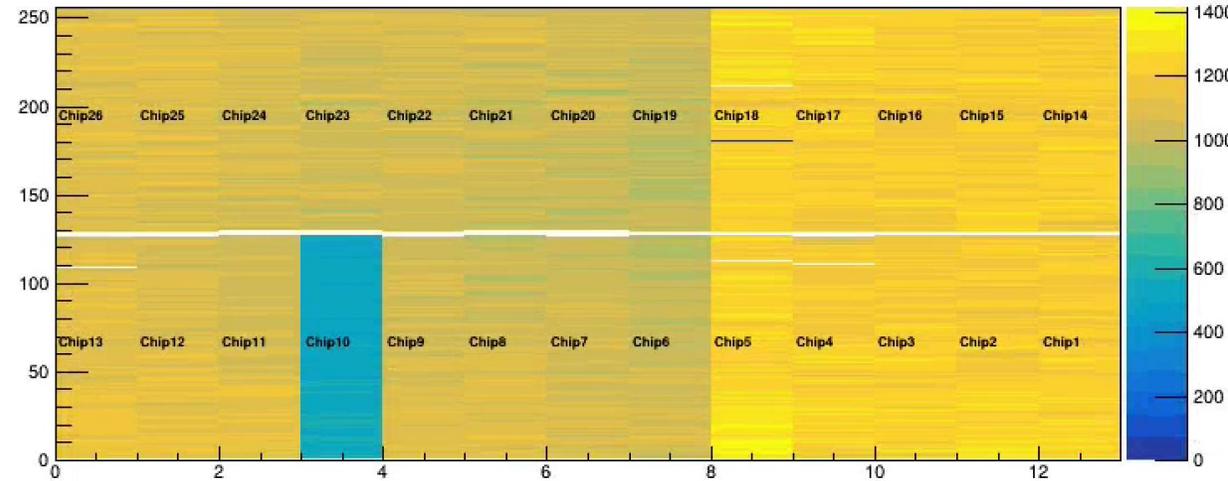
hitmap_pid3004_module7



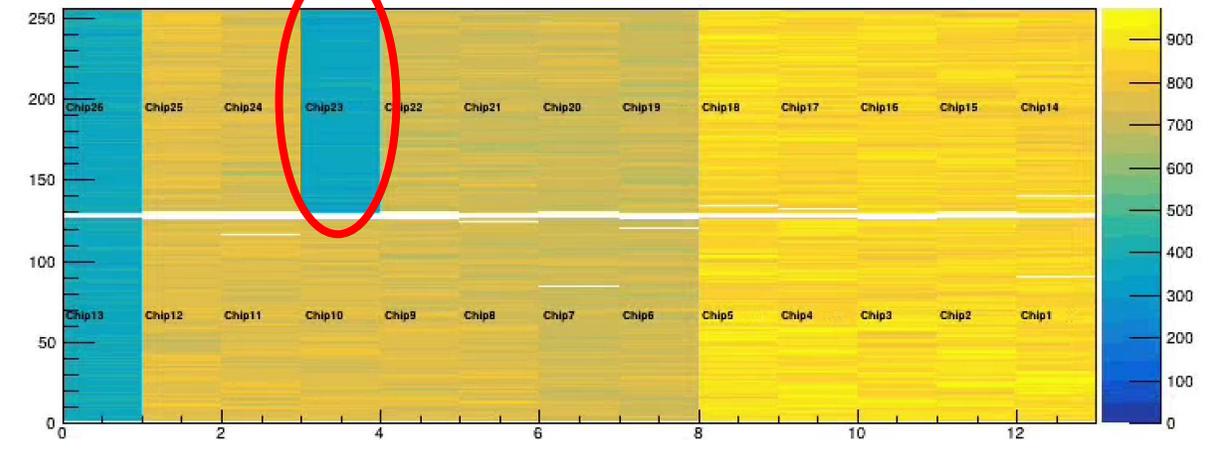
hitmap_pid3004_module9



hitmap_pid3004_module8



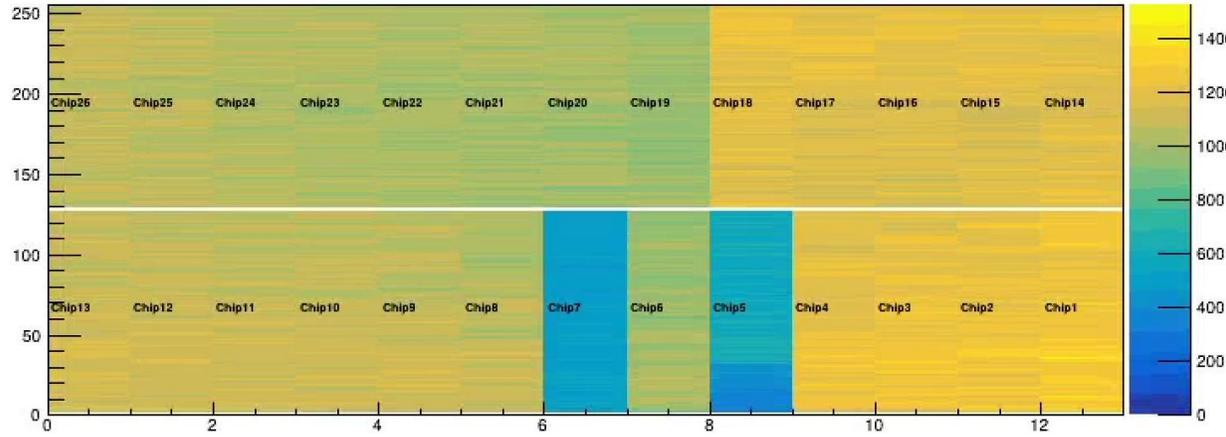
hitmap_pid3004_module10



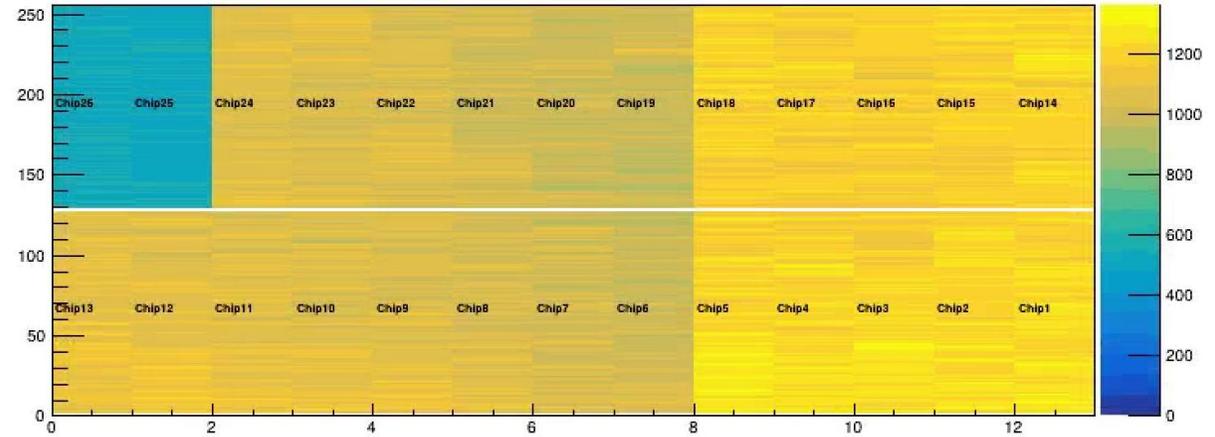
Intt3において、module7, 8, 9, 10にhalf-entryが新たに発見
しかも、再現性のない不安定なhalf-entryあり（理研にもあった）

もう1run

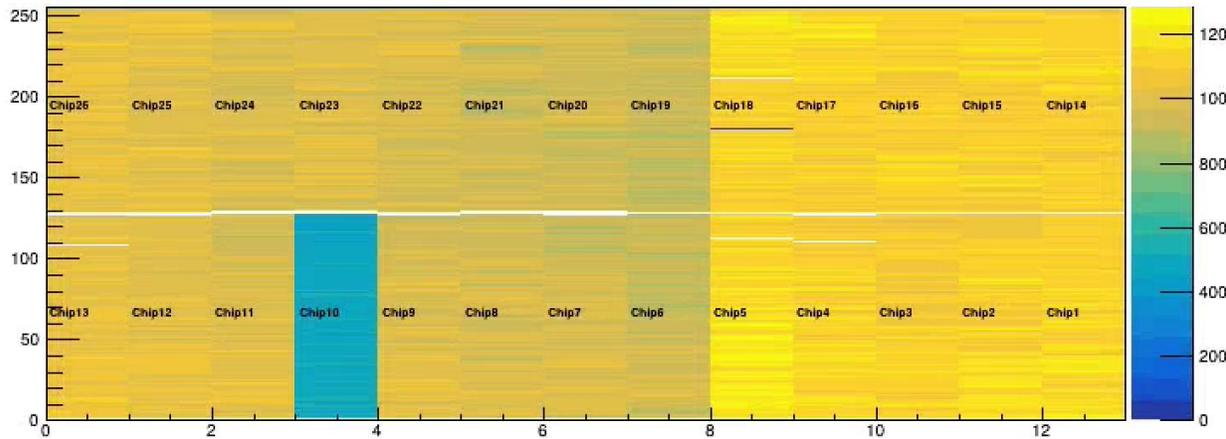
hitmap_pid3004_module7



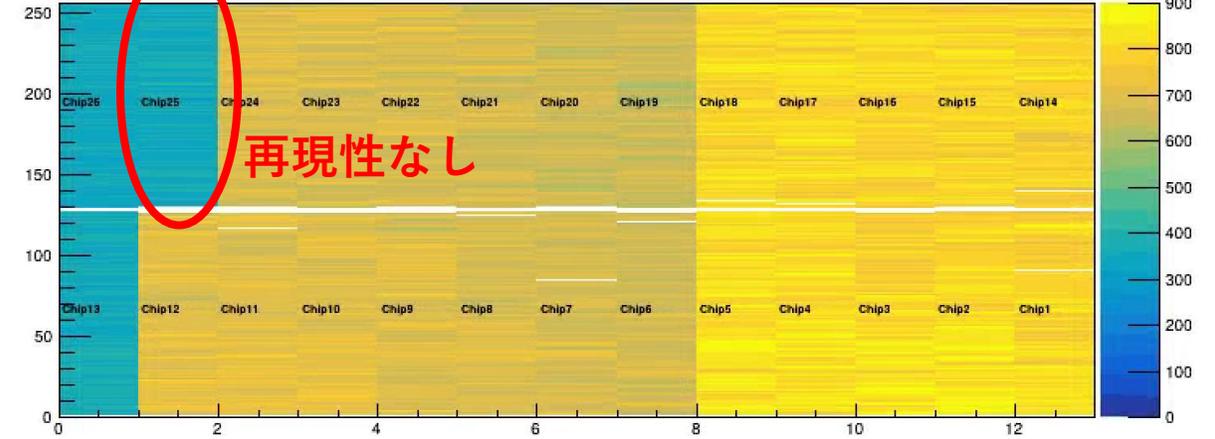
hitmap_pid3004_module9



hitmap_pid3004_module8



hitmap_pid3004_module10



Half-entry-chips chart(36 half-entry-chips)

Felix Server	0	0	3	5	7	7
pid	3001	3001	3004	3006	3008	3008
module	6	7	13	3	0	1
chip id	1, 2, 3, 4, 5, 6, 8, 10, 11, 12, 13	15	21, 23, 25	16	1, 2, 3, 4, 5, 7, 9, 11, 13, 14, 15, 16, 17, 18, 20, 22, 24, 26	1, 2

Hot

- 19chips / 37chipsが復活(intt7&module0のハーフラダー以外は復活)
- intt7のハーフエントリーでHot chipあり
- intt3でハーフエントリーが増えている