

The 2nd irradiation test in 2023

29th of June, 2023.

Motoi INABA

for the ALICE collaboration



Overview

Date

6th and 7th of July, 2023.

Place

Riken RANS

Sensors

P-type monitor PD,

P-type 1x1 baby,

P-type 2x2 baby,

P-type main sensor.

No n-type sensor,
No LDO this time.

Member (from Tsukuba)

犬飼 泰地 (Taichi Inukai), 奥井 溪太 (Keita Okui),

伊東 昴 (Subaru Ito), 依田 浩志郎 (Kohsirou Yoda),

Jonghan Park, 中條 達也 (Tatsuya Chujo), 稲葉 基 (Motoi Inaba)

Schedule (1)

● Open the box

6th of July, 2023.

8 AM

12 PM

5 PM

8 PM

→ Preparation of the measurement system (1h)

→ Preparation of the indium foils (1h)

→ Pre-measurement (1h)

→ 1st run with 10% intensity (1h)

● → 1st measurement (1h)

→ 2nd run with 100% intensity (1h)

● → 2nd measurement (1h)

→ → →
3rd, 4th and 5th runs (3h)

The indium foils will be removed.

Measurement of the indium foils (? h)

● →
Measurement (3h)



Schedule (2)

6th of July, 2023.

7th of July, 2023.

8 PM

12 AM

7 AM



Automatic measurement of the fixed sensor (11h)

Schedule (3)

7th of July, 2023.

7 AM

12 PM

5 PM

8 PM

→ Measurement (3h)

→ Preparation of the indium foils (1h)

The indium foils will be removed.

→ 5th -to- 10th runs (6h in total)

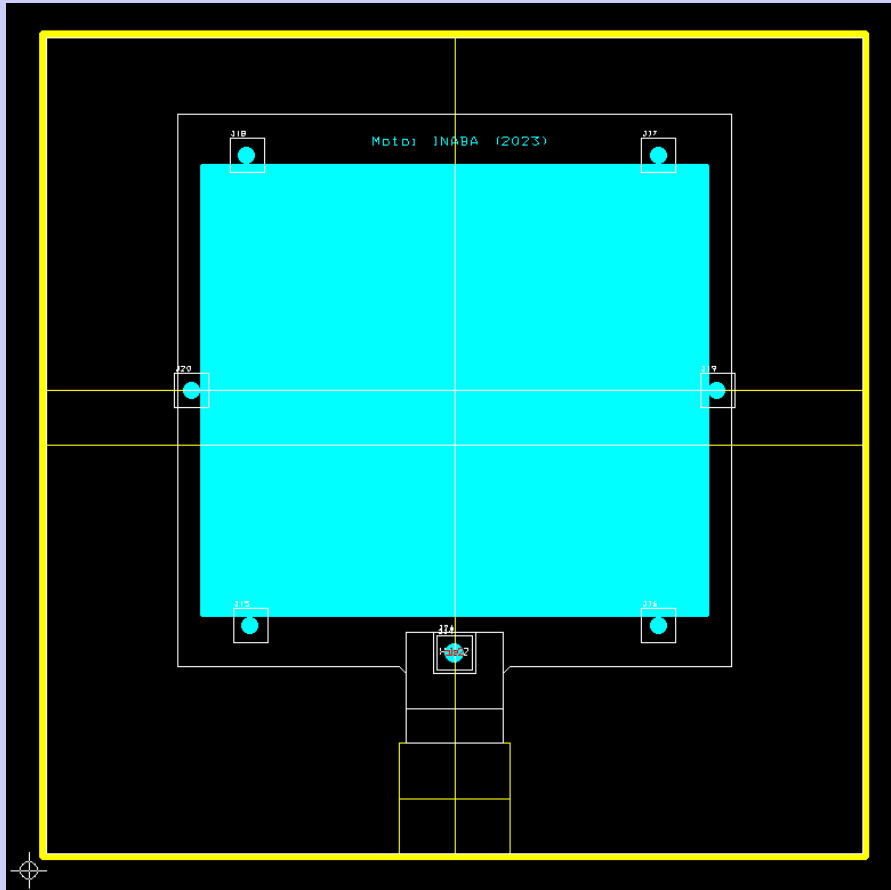
→ Measurement (3h)



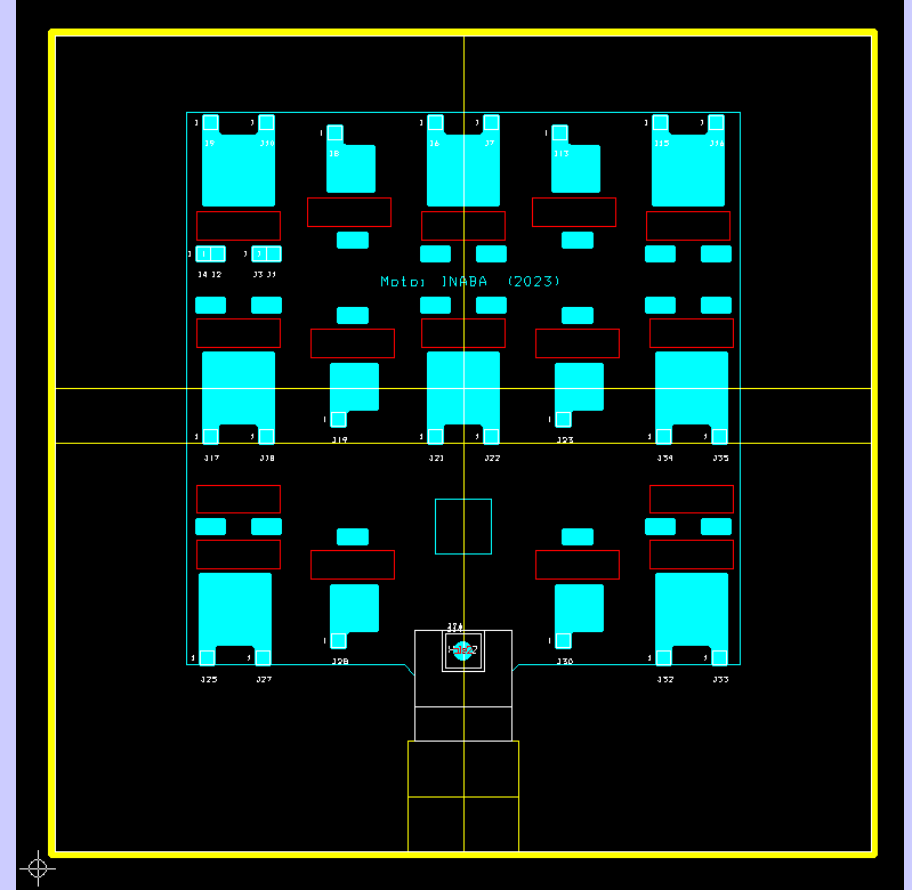
Moving to another place in the control area

Measurement of the indium foils (? h)





PCB for the main chip



PCB for the baby chips