

The background features a large, light blue watermark of the Yonsei University logo. The logo is circular with the text 'YONSEI UNIVERSITY' around the top and '1885' at the bottom. In the center is a shield with a book, a lamp, and a central circle.

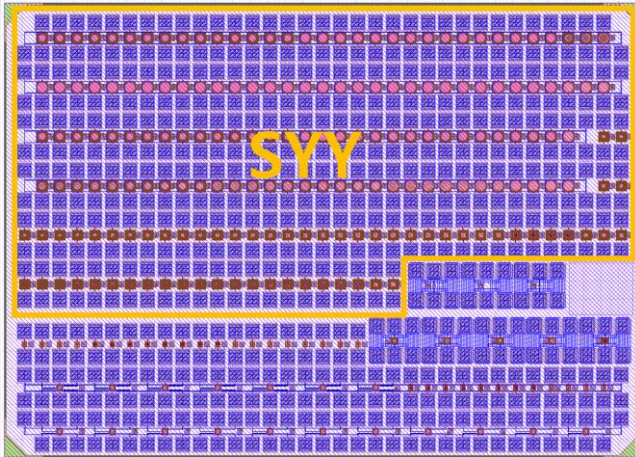
# 2023 Workshop

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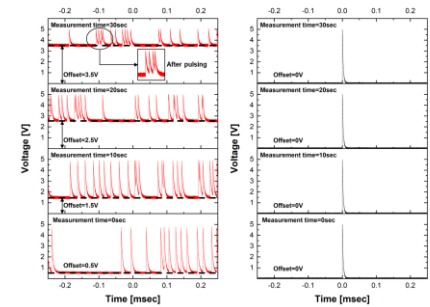
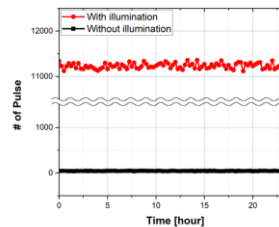
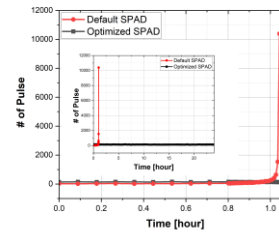
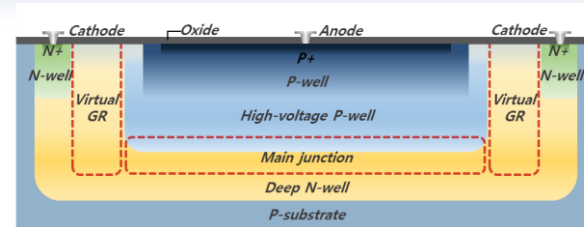
# 2023-1 Works

## DB 110 nm Design



- ◆ Process: DB 110nm CIS BSI Process
- ◆ Area: 3630 x 2580 ( $\mu\text{m}^2$ )  
scribe line: 80 ( $\mu\text{m}$ )
- ◆ Total number of SPAD:  
 $\text{PN(LP)} + \text{NP(ED)} = \text{Total}$   
 $128 + 61 \text{ EA} = 189 \text{ EA}$

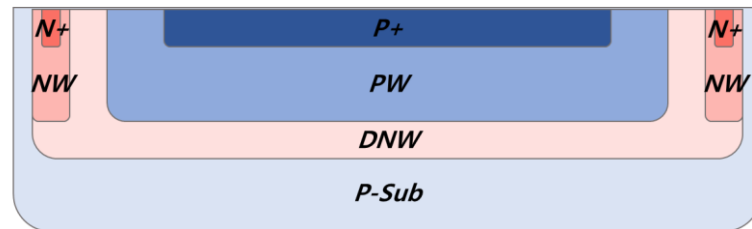
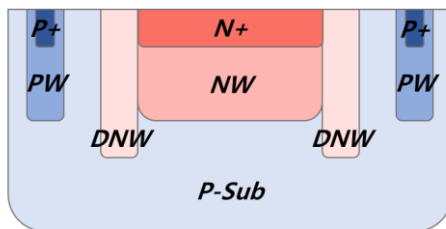
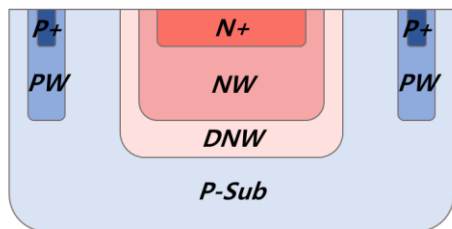
## Cathode Optimization



# 2023-2 Plan

## 측정

- DB 110 nm
  - DB 110 nm BSI TC3



## 설계

- Global Foundries
  - GF 130 nm (October. 2023)