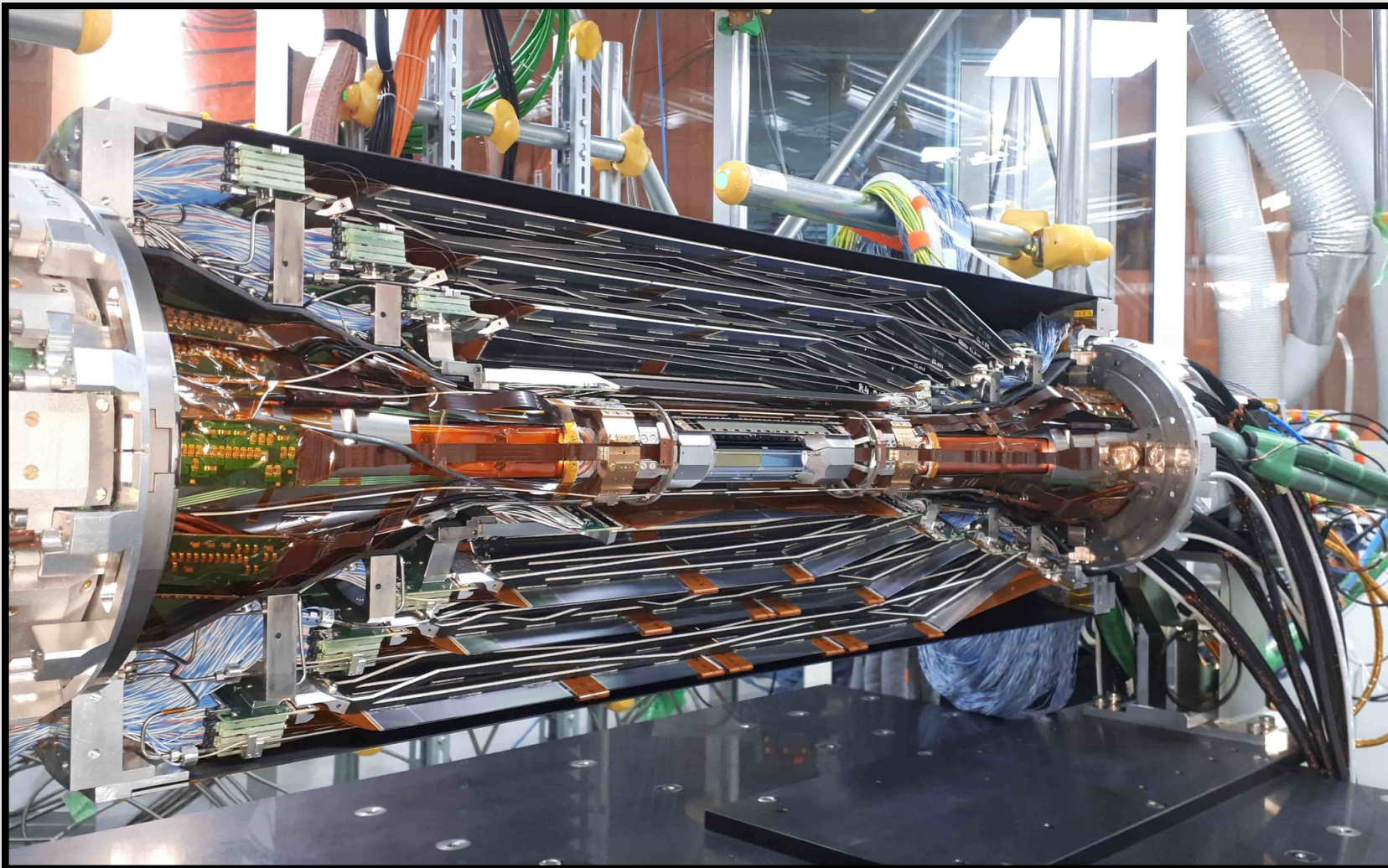


DETECTORES DE SILICIO

Por Víctor Prado Pardo y Pablo Nicolau Monzó

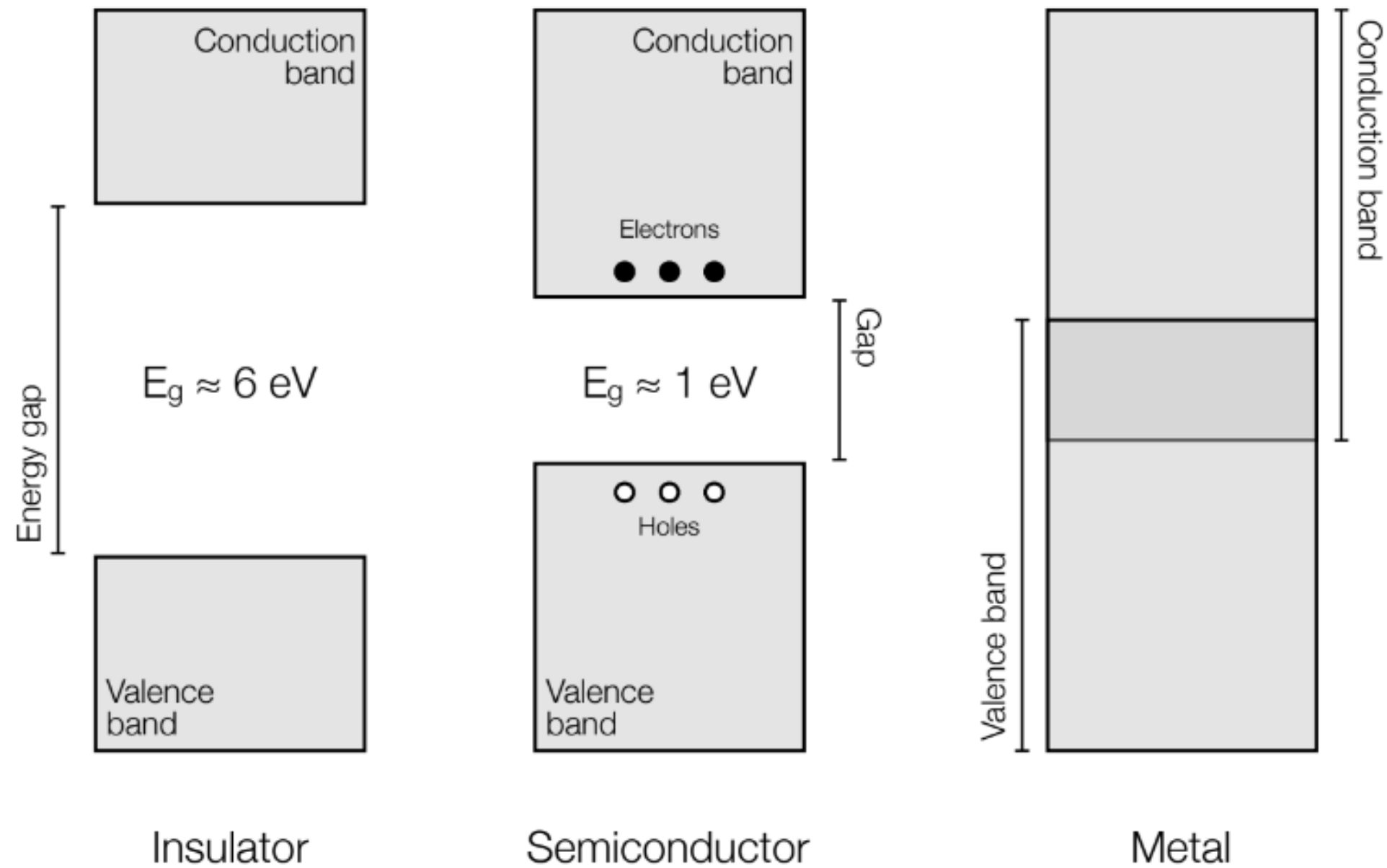
Guiados por David Galacho Martínez y James Iddon

ÍNDICE

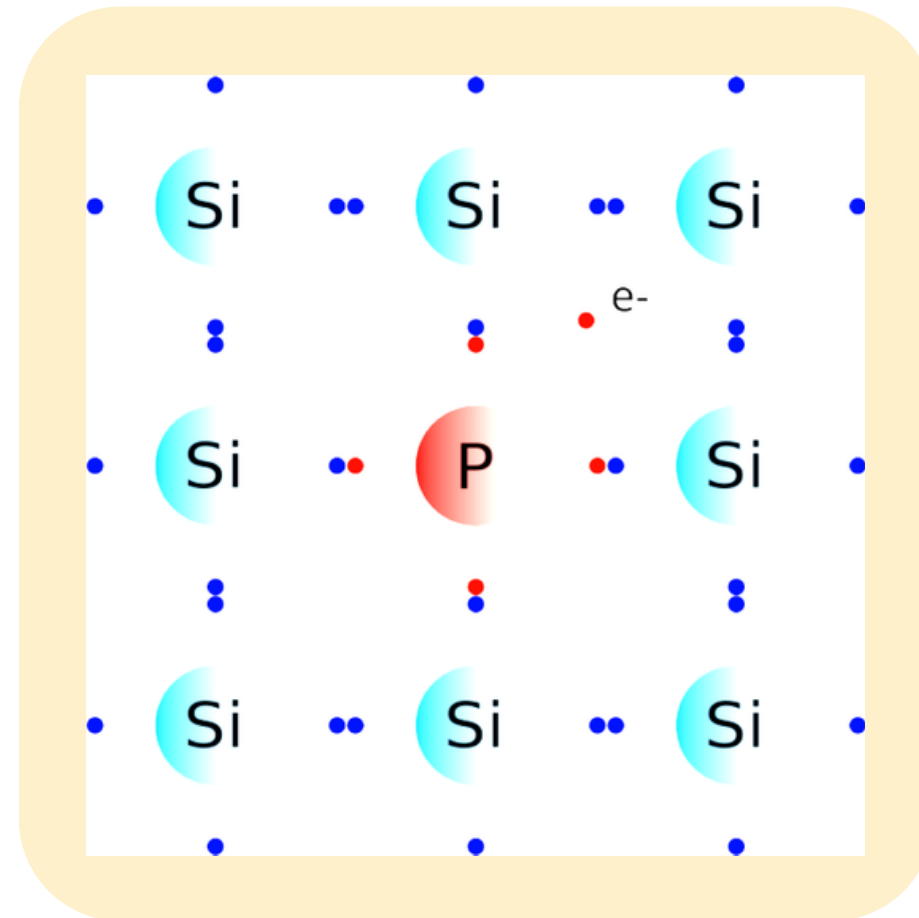
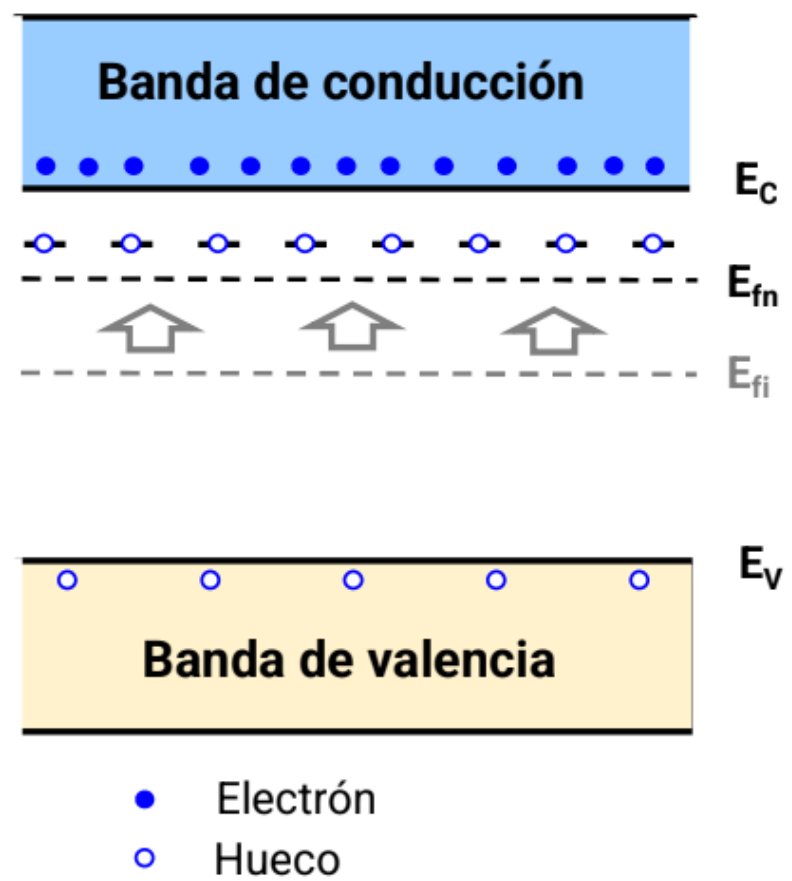


1. Introducción teórica
2. Caracterización del sensor
3. Simulación de Montecarlo

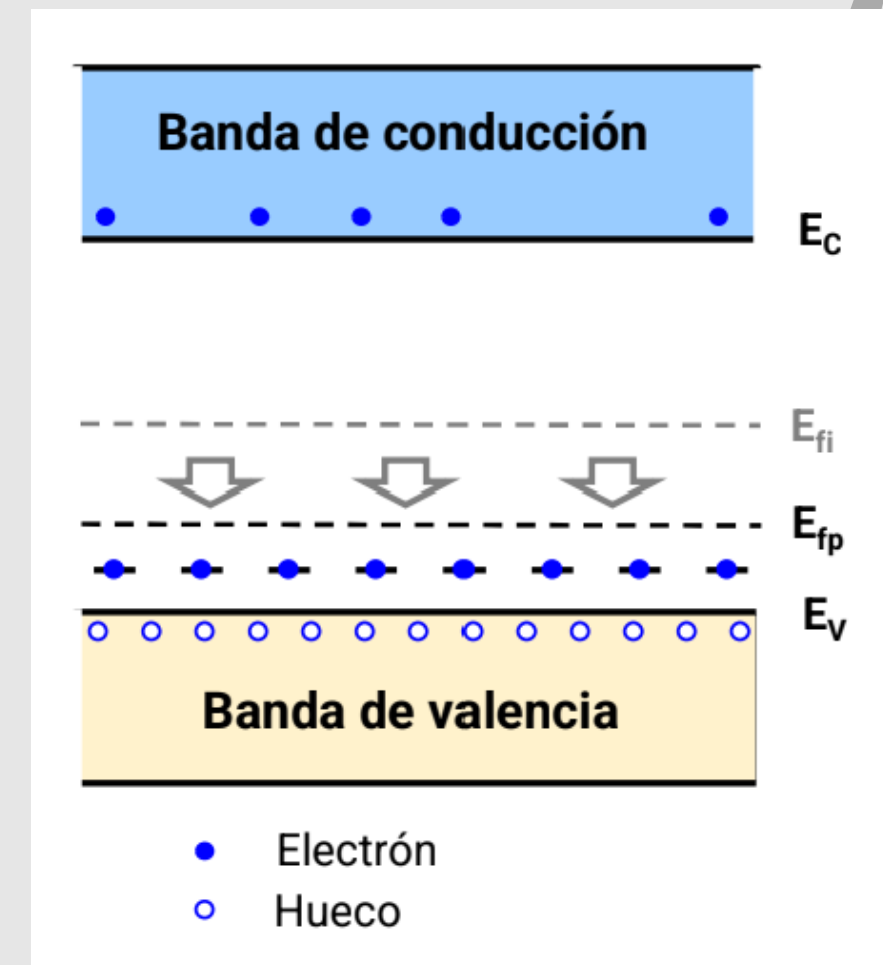
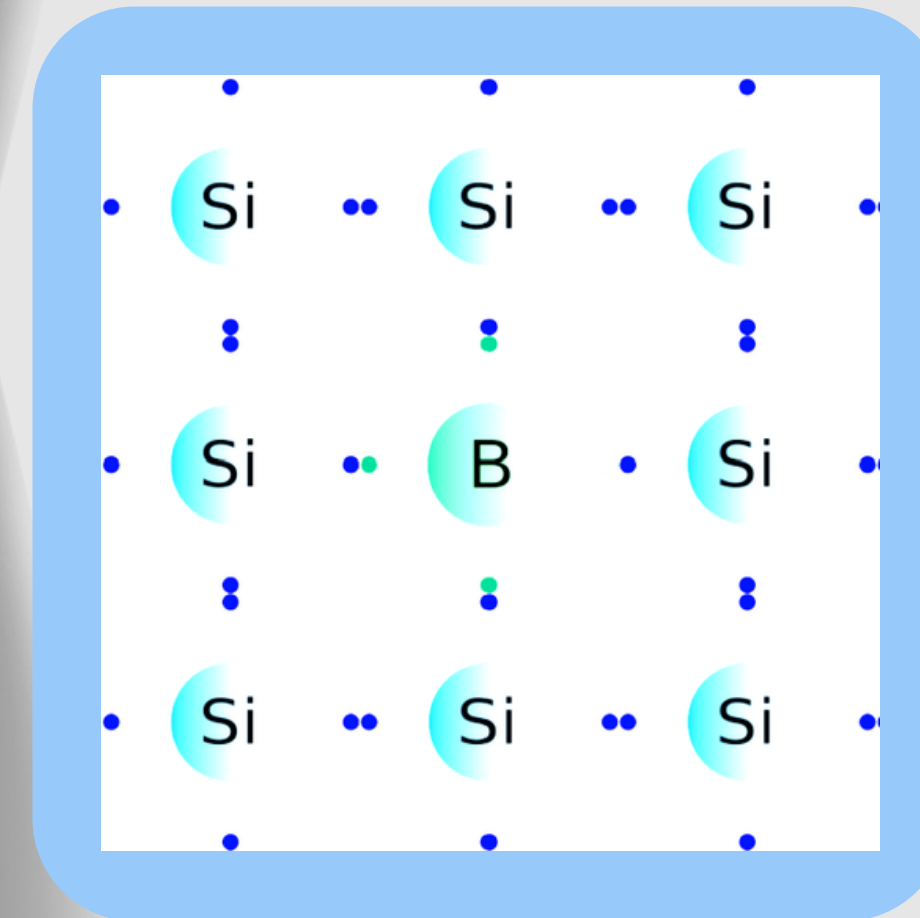
1. ¿Qué es un semiconductor?



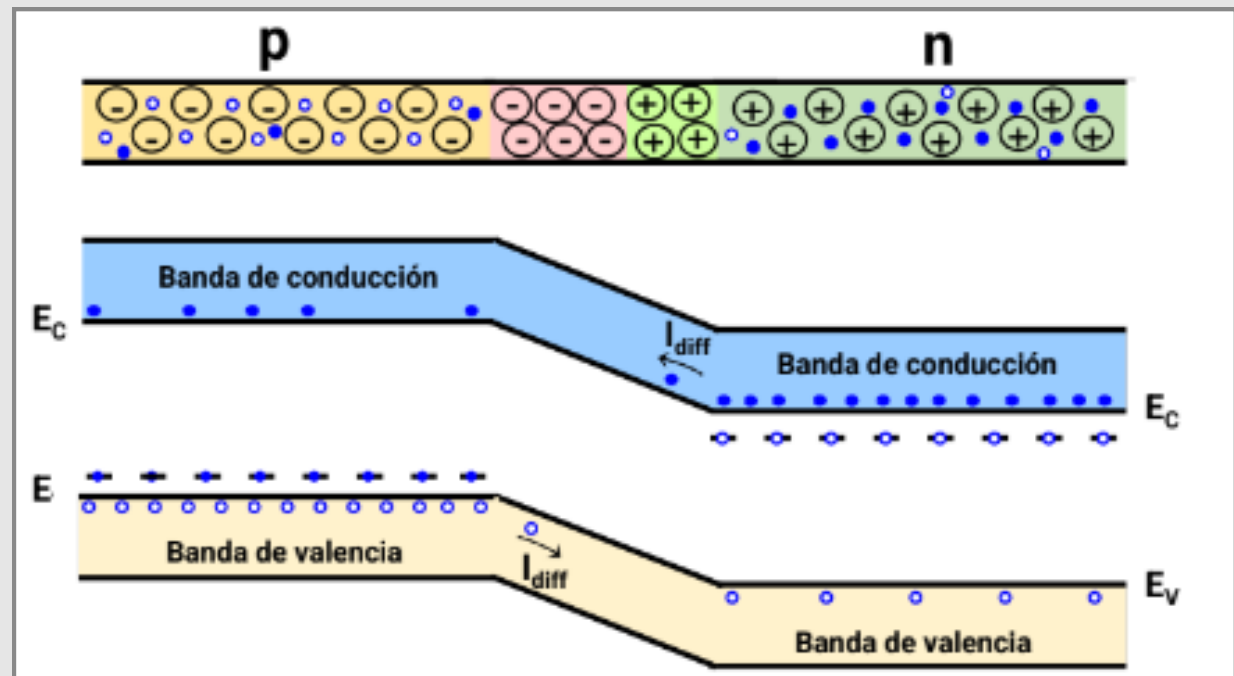
Dopaje n



Dopaje p

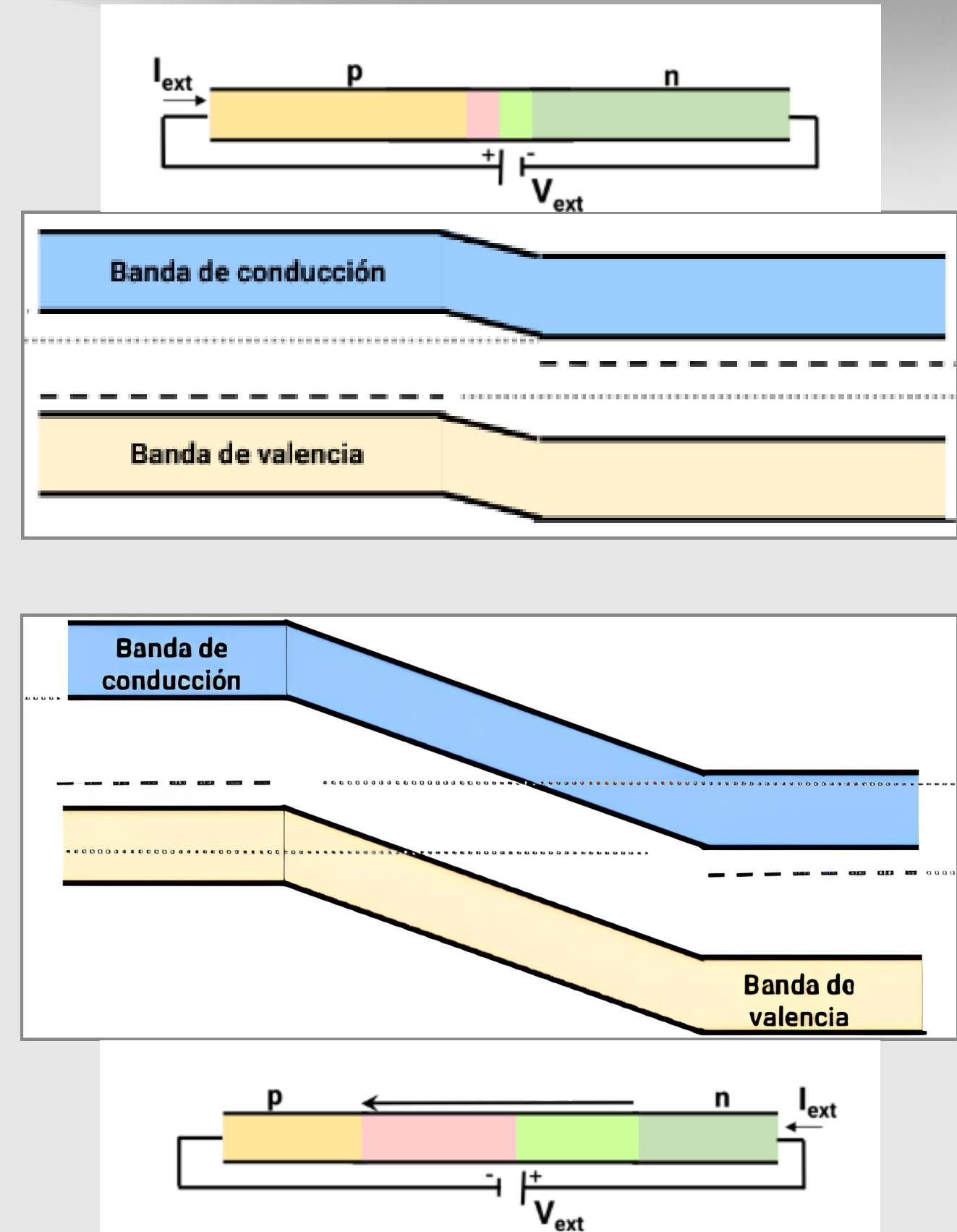


La zona de agotamiento

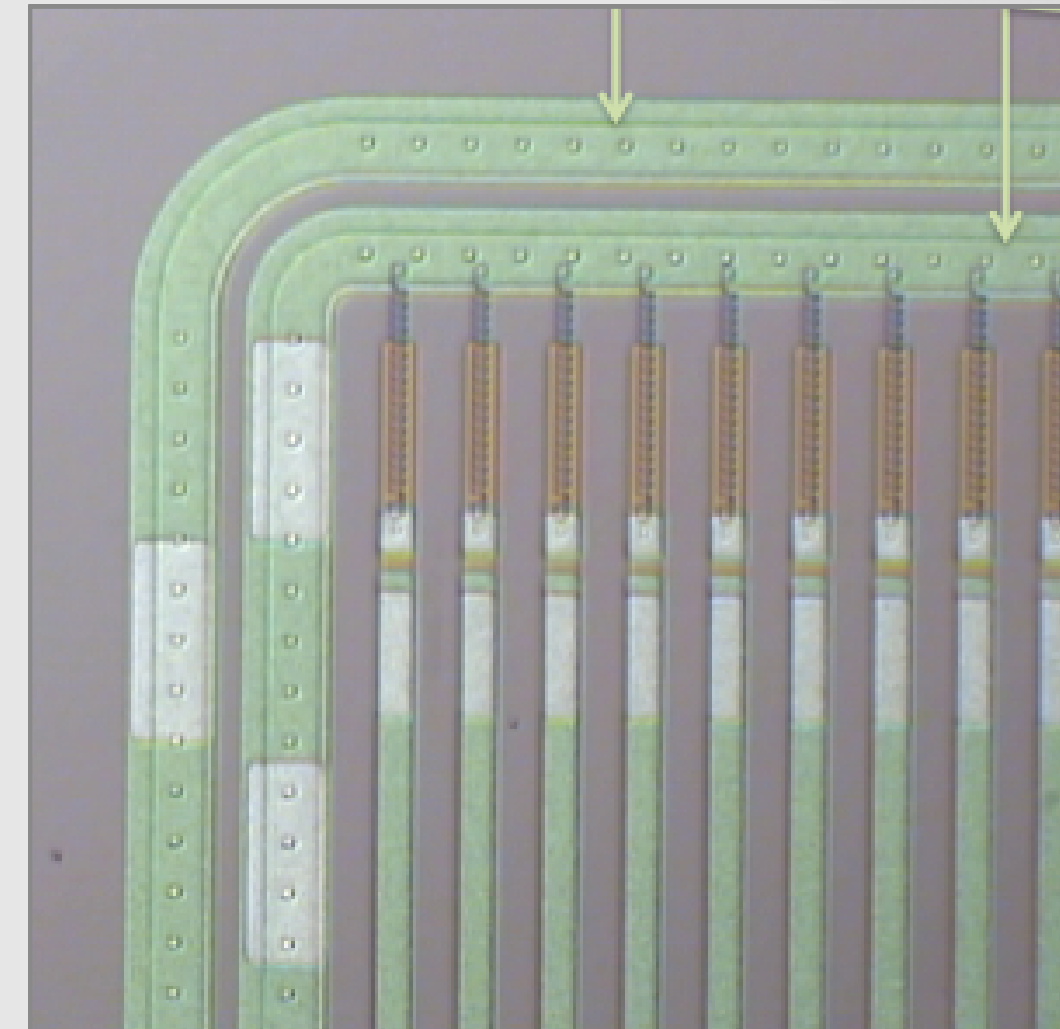
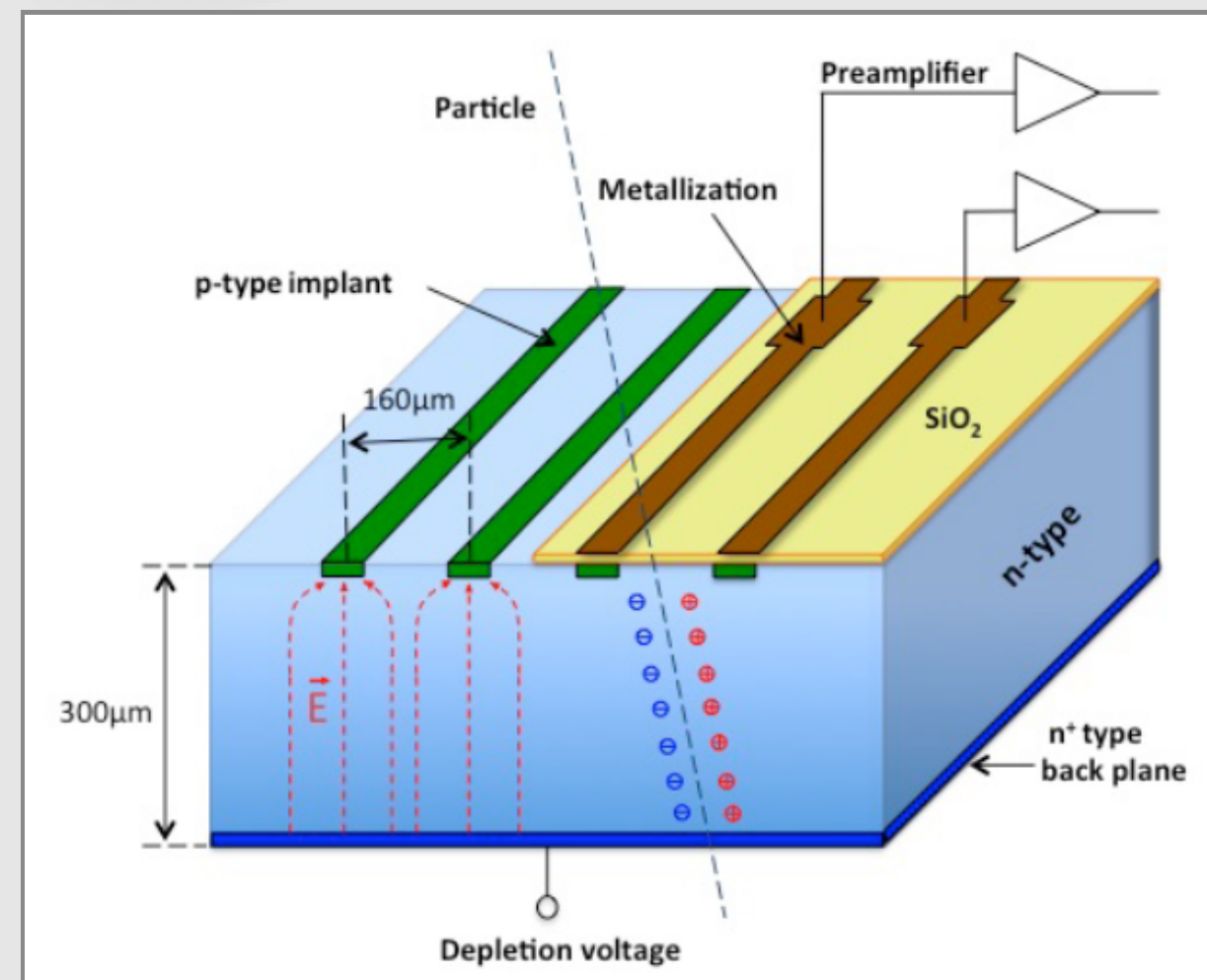


Directa

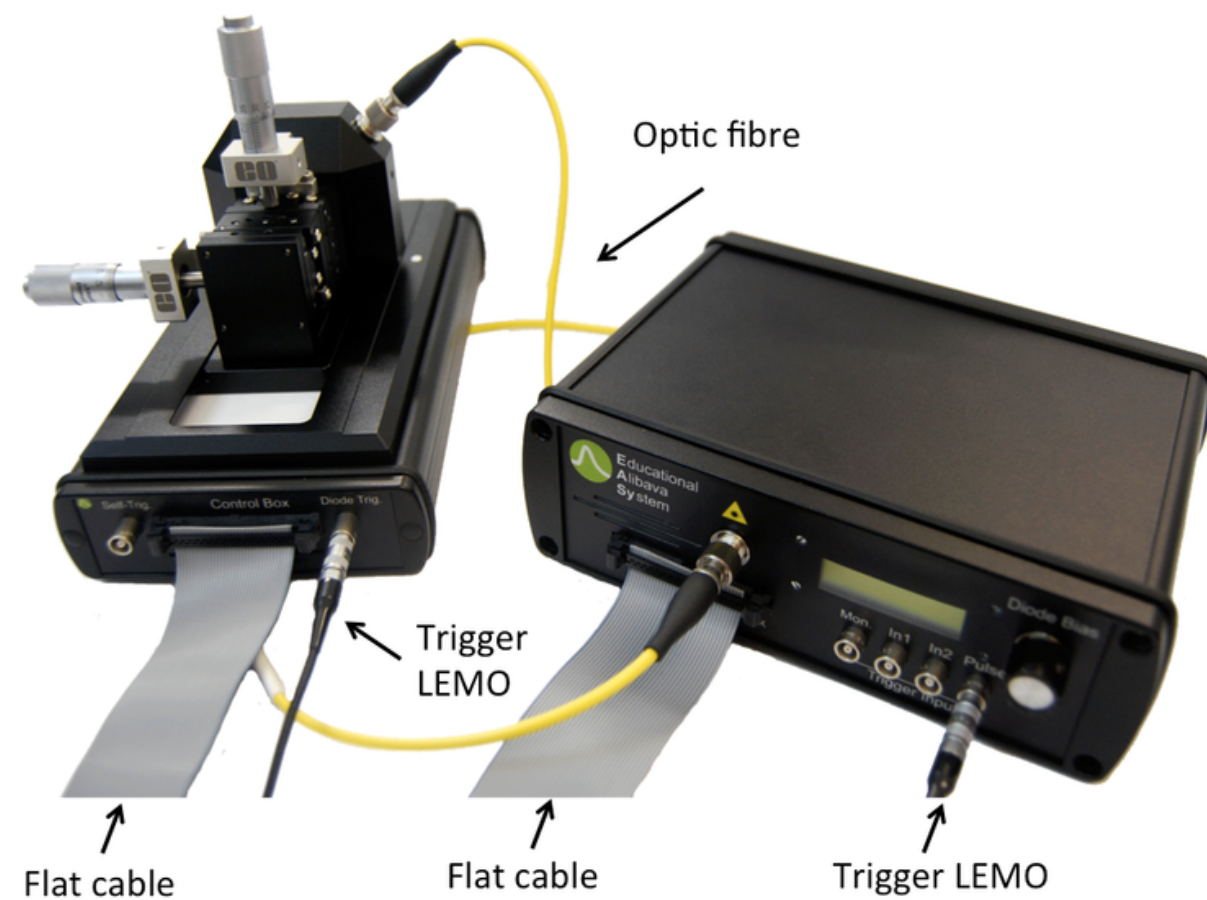
Inversa



Estructura interna

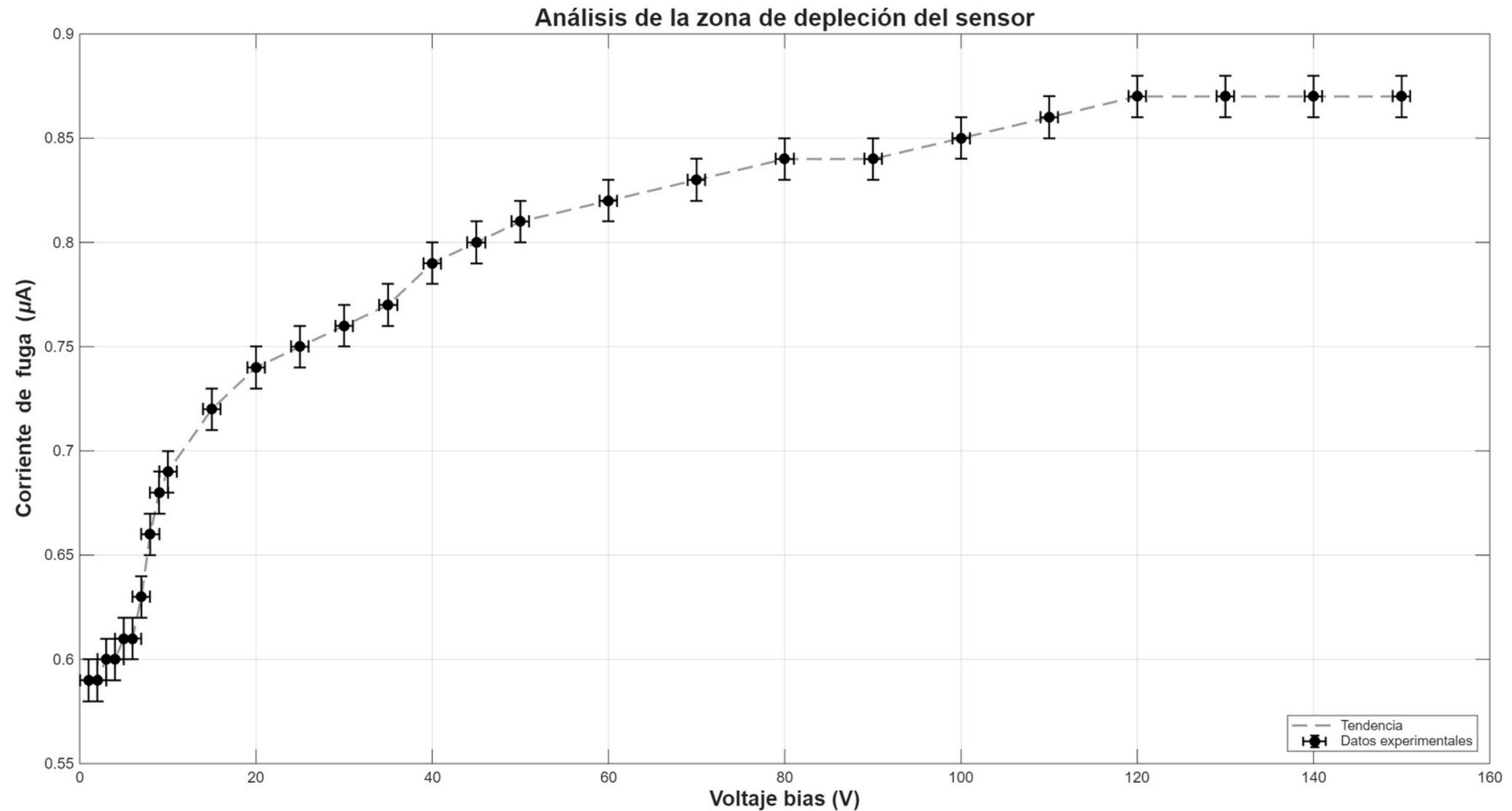


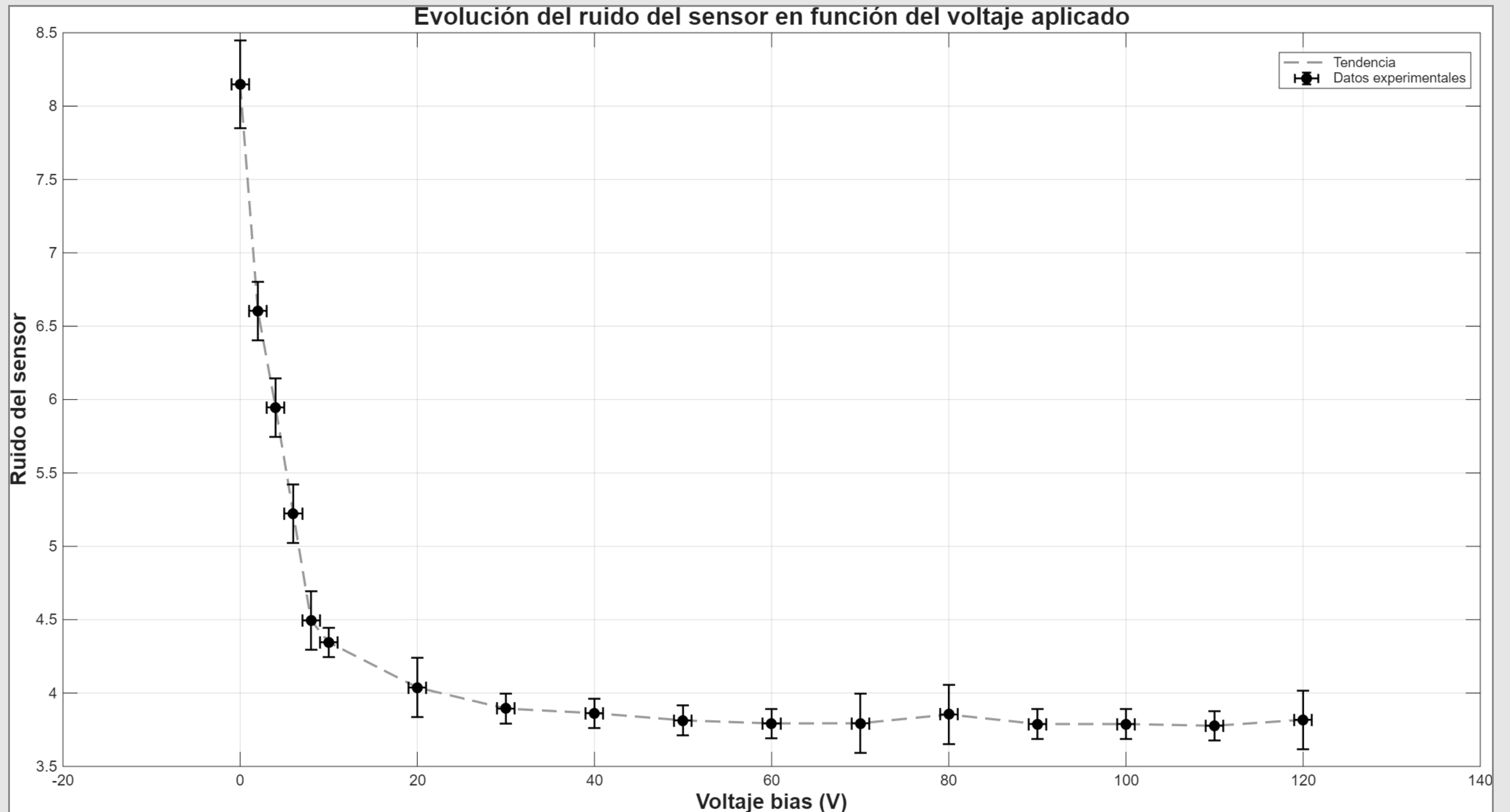
Materiales

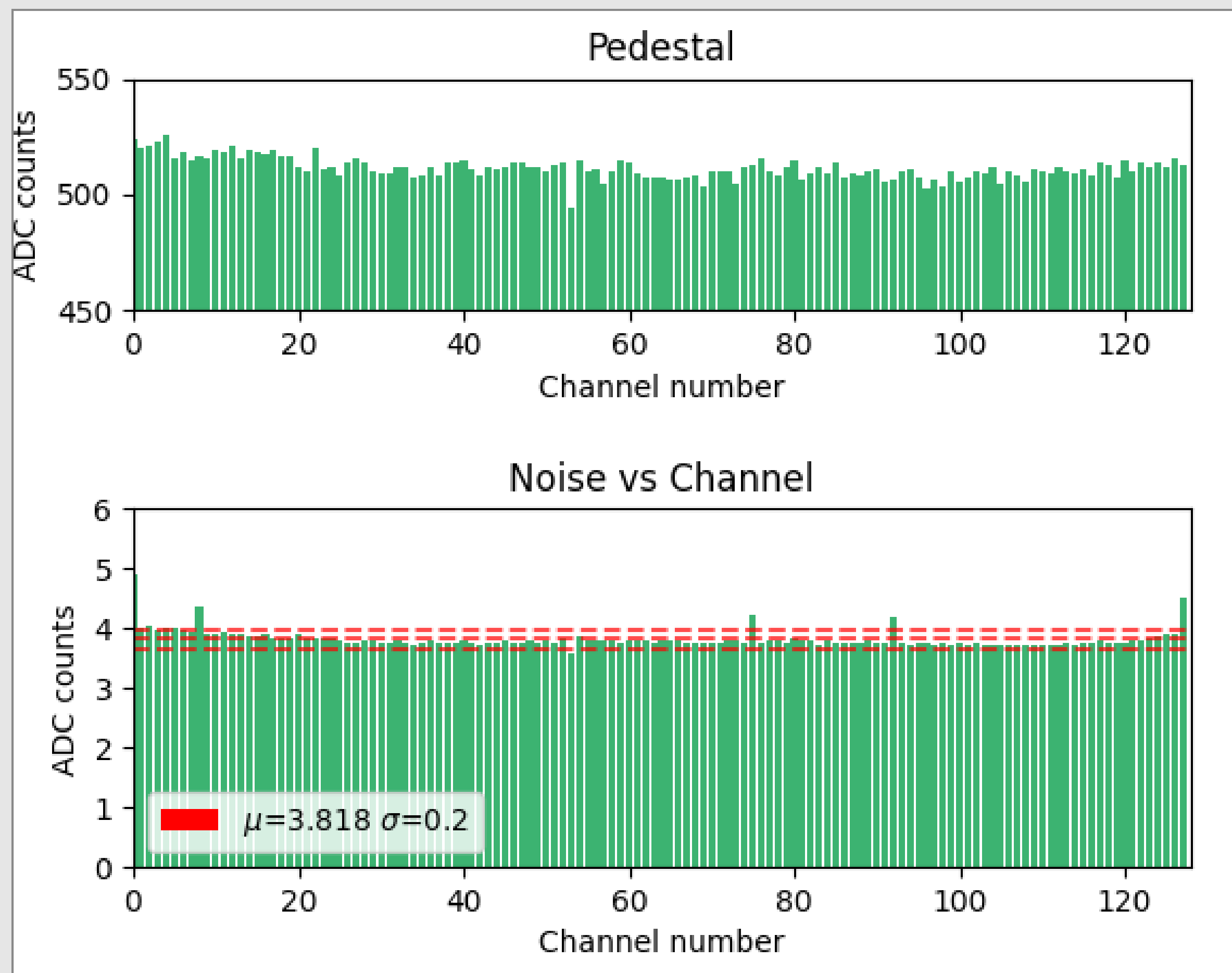


1. Generador de tensión para el semiconductor y el láser
2. Montaje con el detector y el láser
3. Programa Alibava EASy

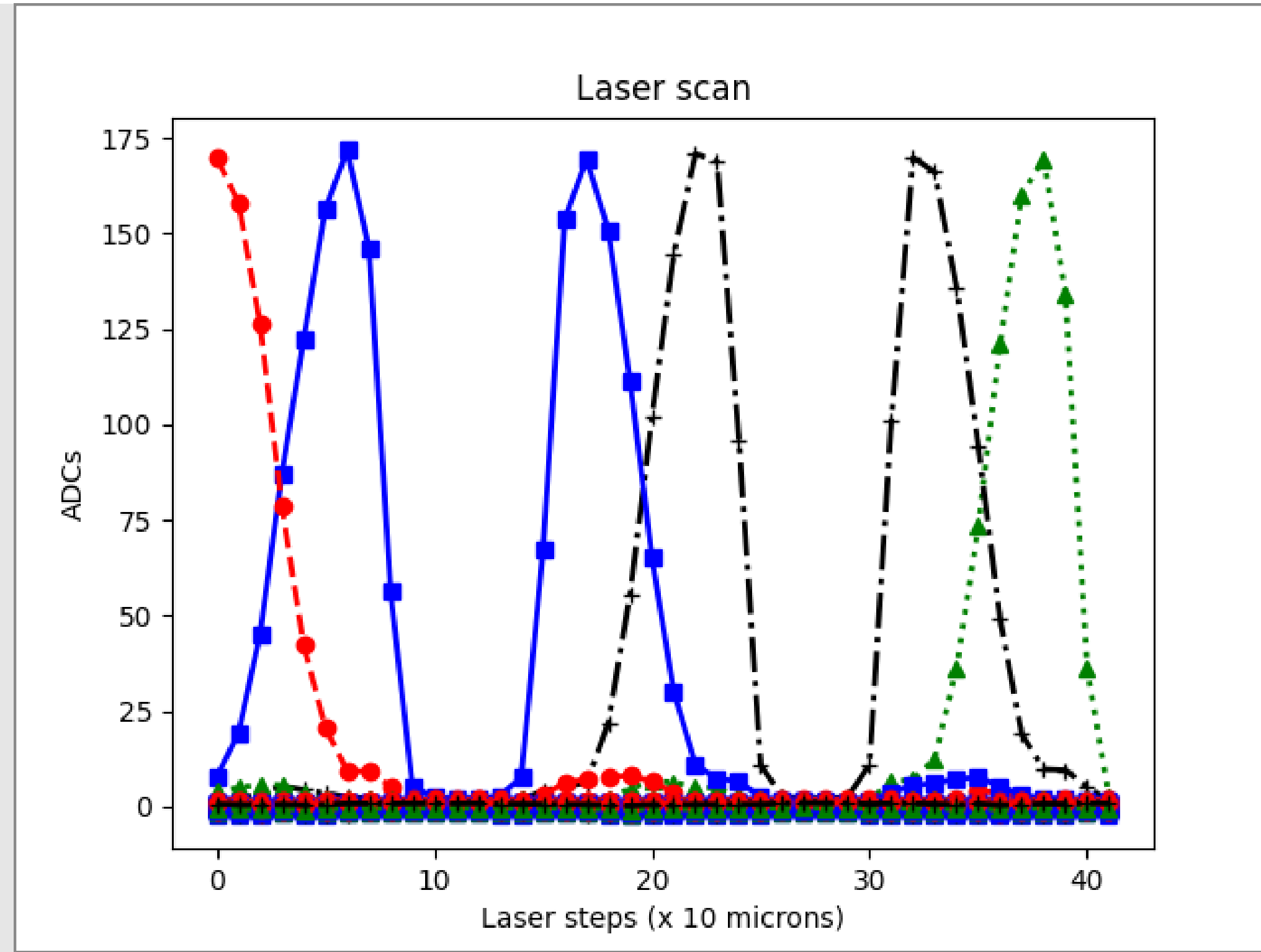
Caracterización del sensor



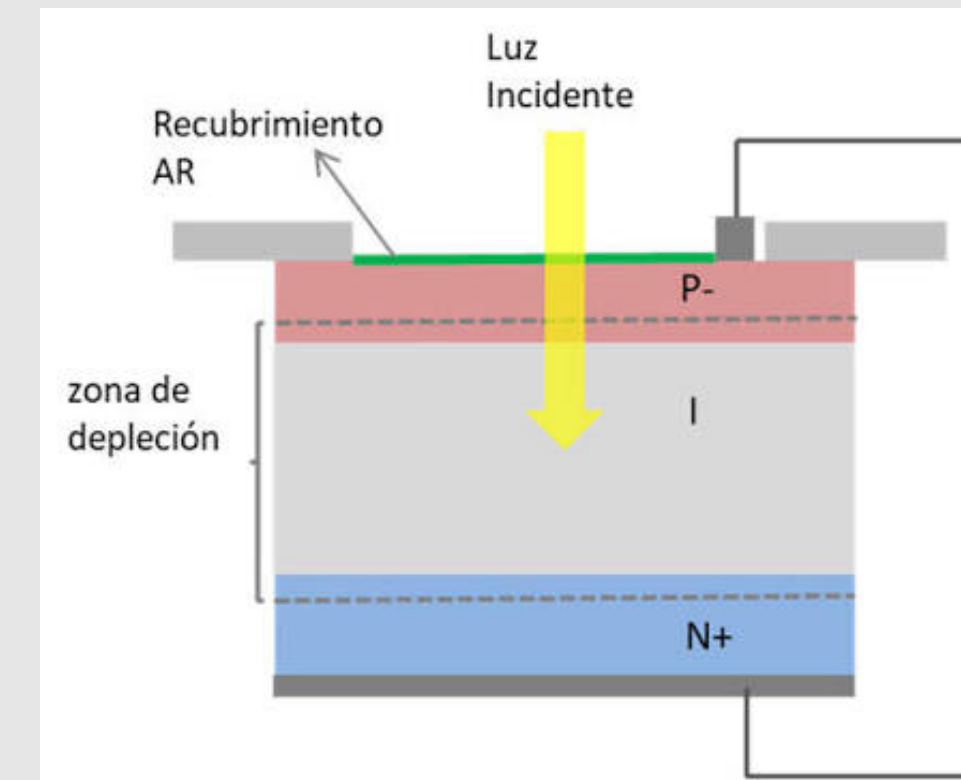
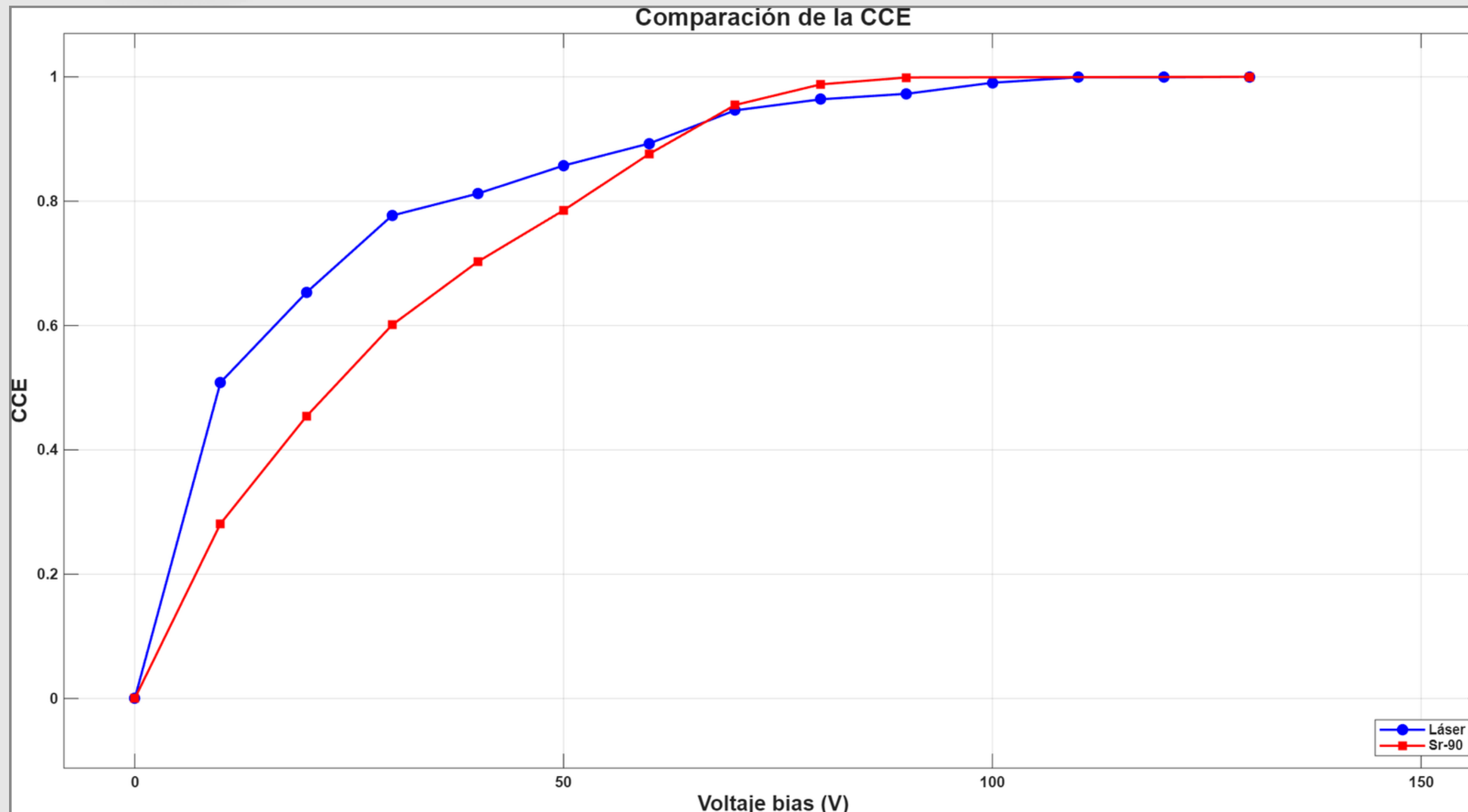




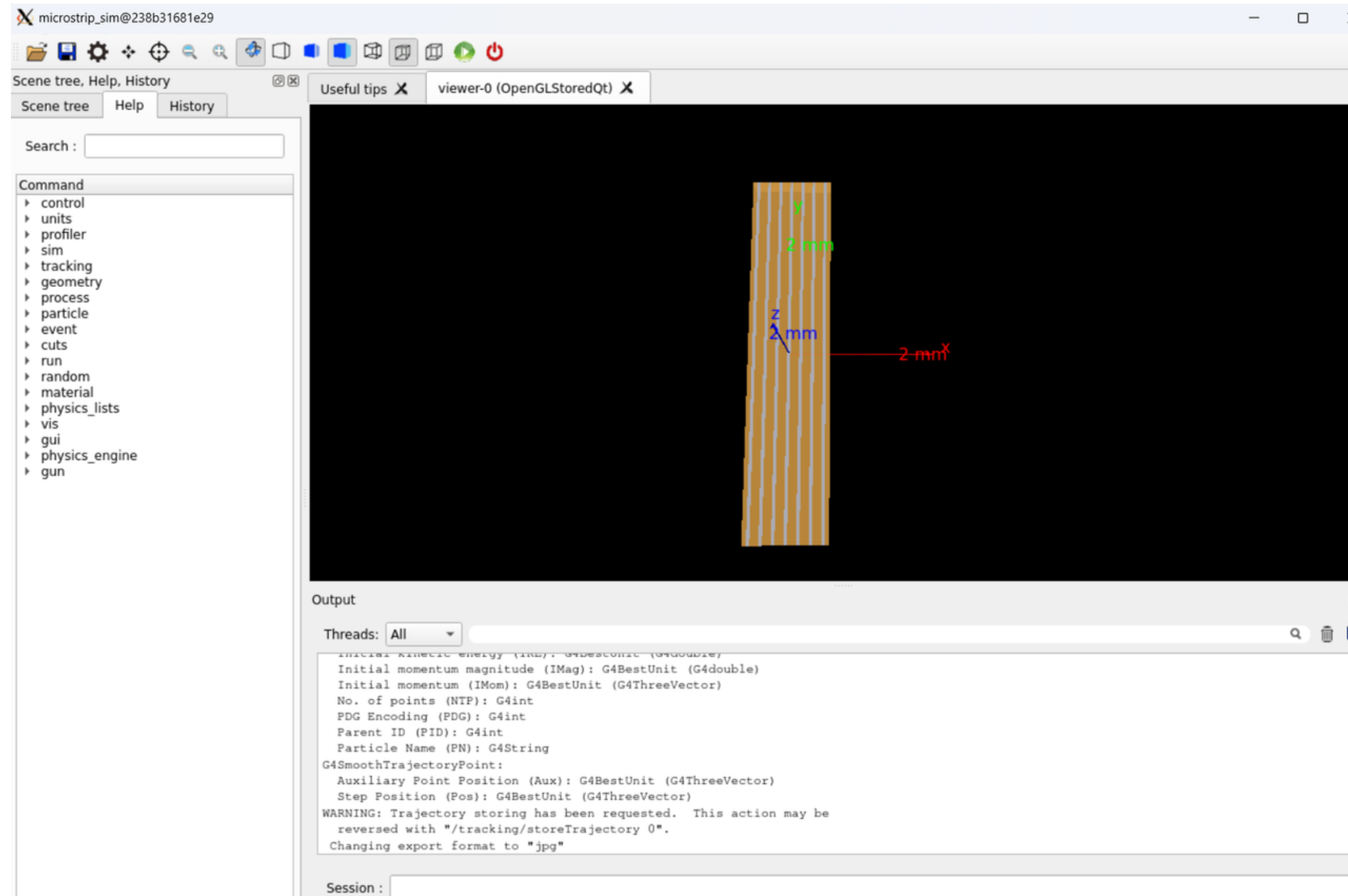
Análisis del sensor



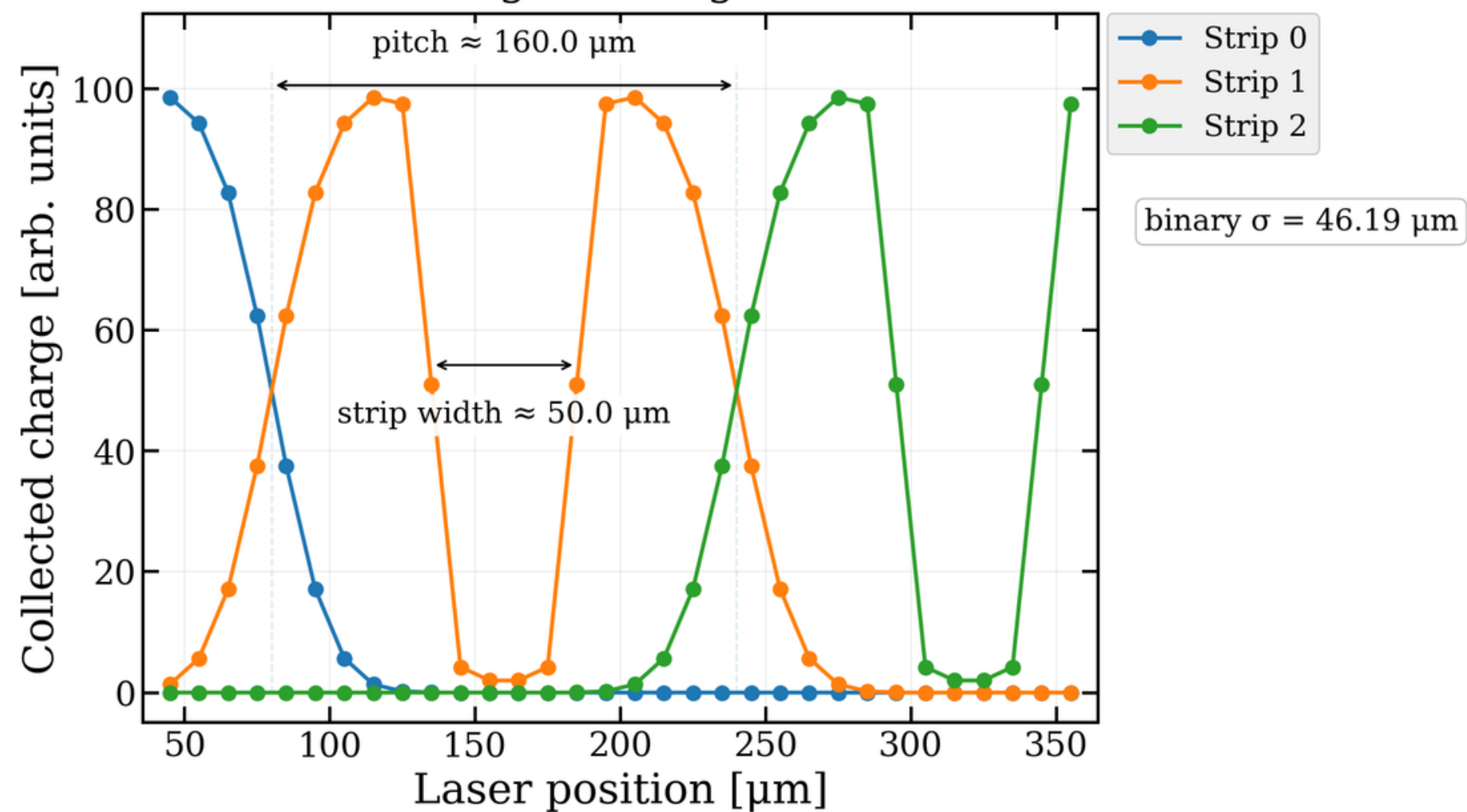
Comparación de la carga recolectada con fuente radioactiva y con láser



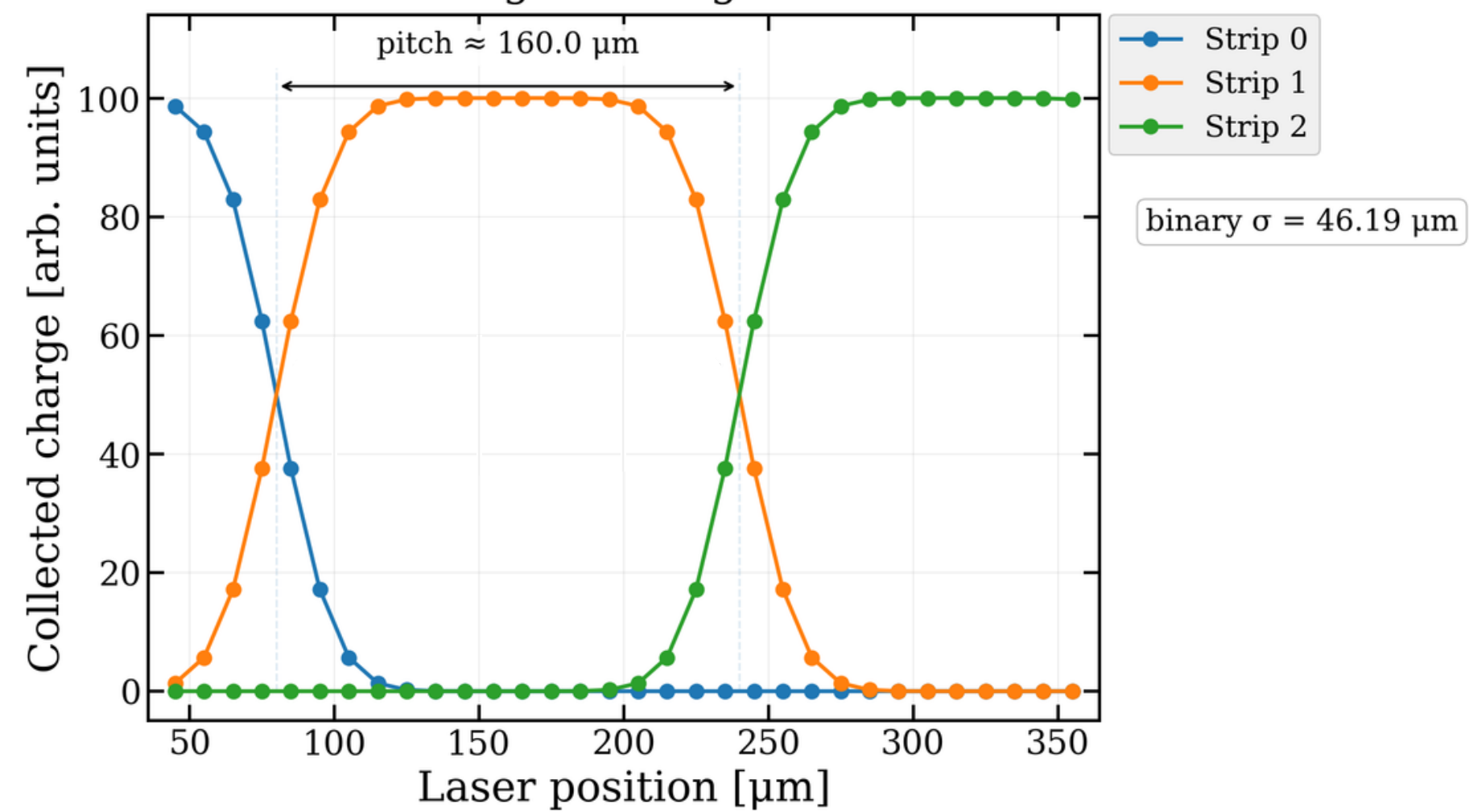
Simulación por Montecarlo



Charge sharing scan



Charge sharing scan



¡Gracias!



```
622     try:
623         |     main(args[0], options)
624     except KeyError:
625         |     print "I need an input file"
626
627
```