

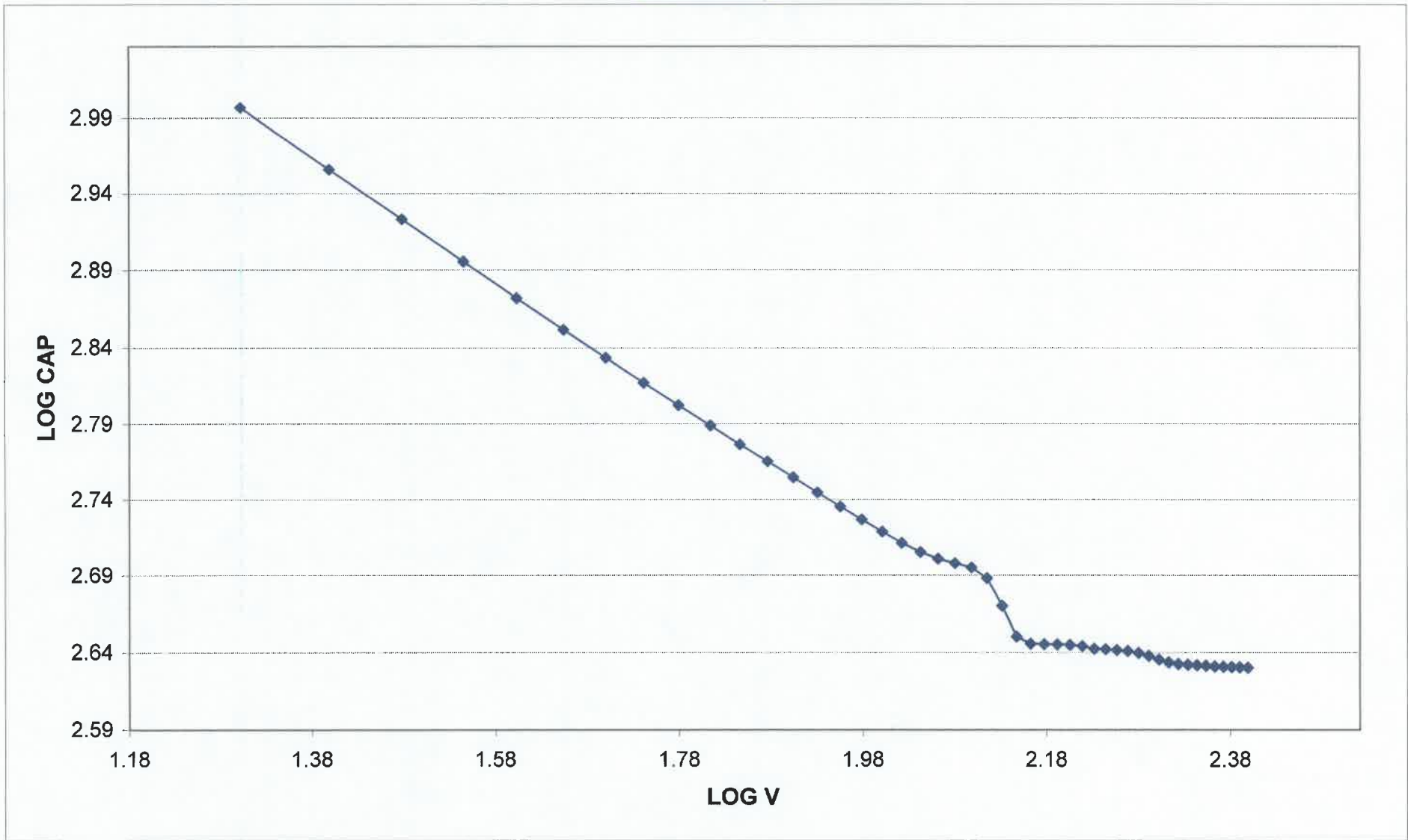
# Depletion Plot

## S3-1000

Wafer No.: **2807-21**

Thickness: **1038** um

Depletion: **175** Volts



# Resolution Plot

DESIGN S3 PAVIA

Wafer No.: **2807-21**

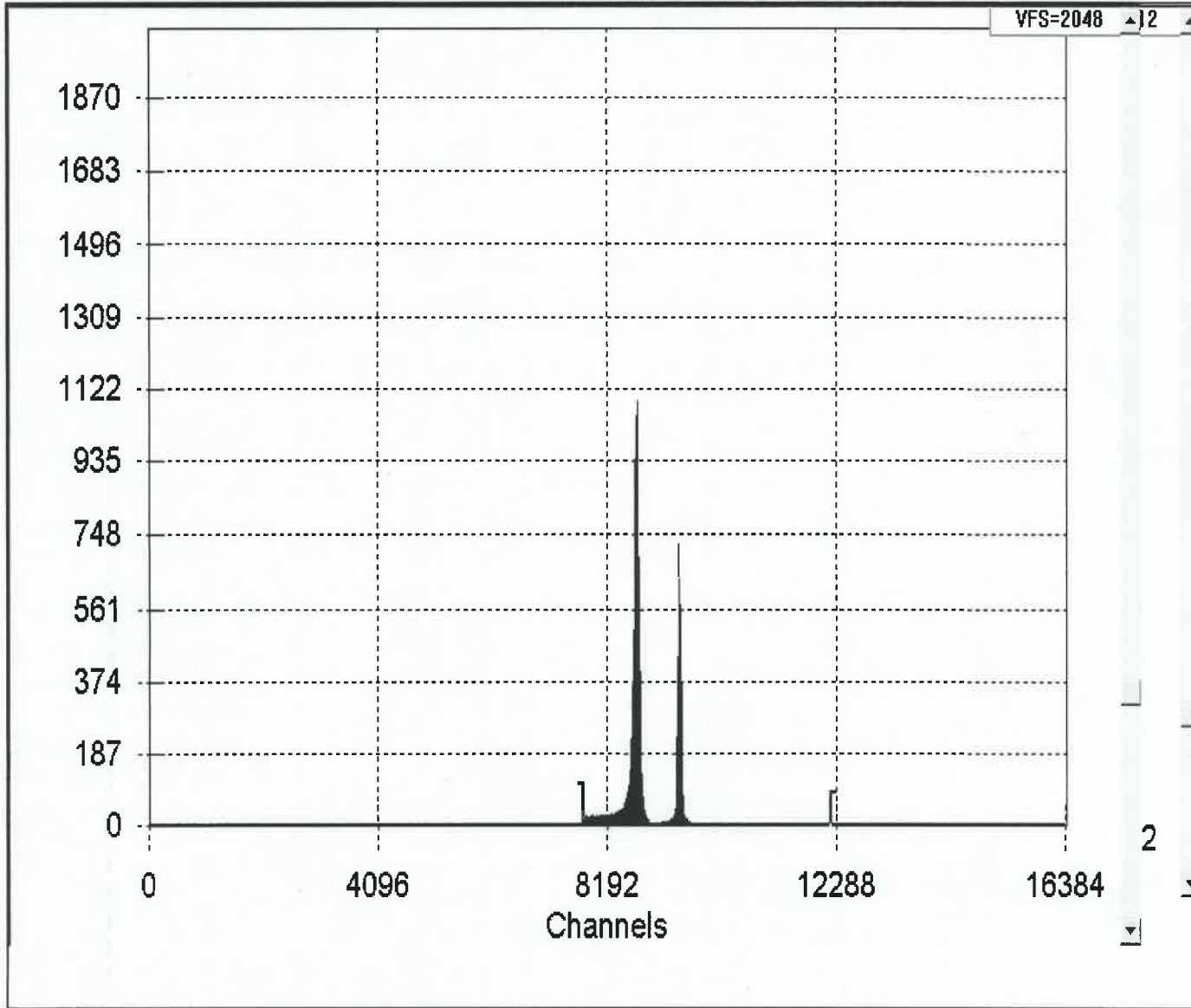
Thickness: **1038** um

## JUNCTION

DET LINE: **50.1** KeV  
SYSTEM: **34.8** KeV  
CAL: **36.1** KeV

## OHMIC

DET LINE: **52.8** KeV  
SYSTEM: **34.7** KeV  
CALC: **39.8** KeV



Source  
**Am 241**

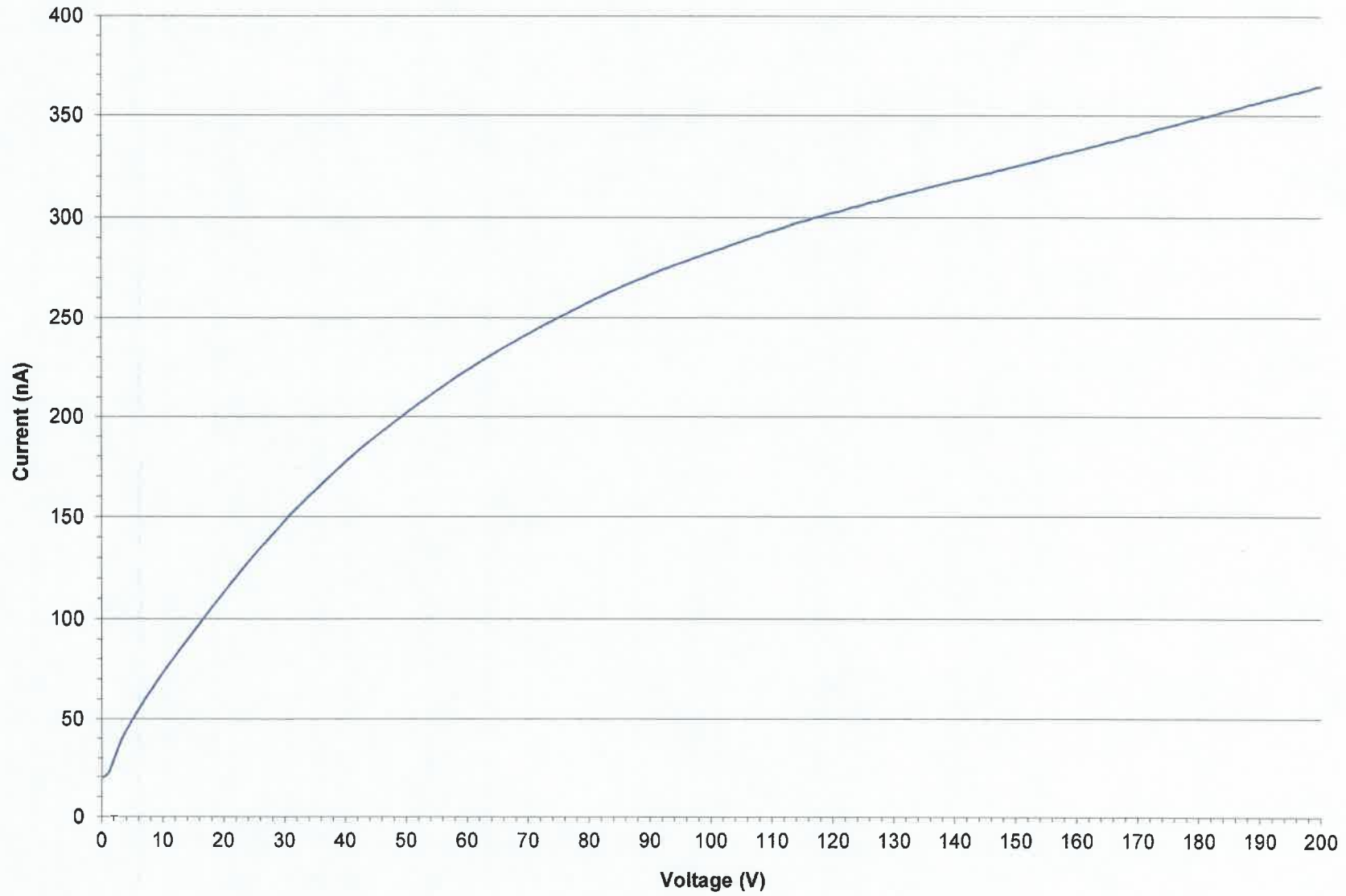
Rise Time  
**1**

Flat Top  
**0**

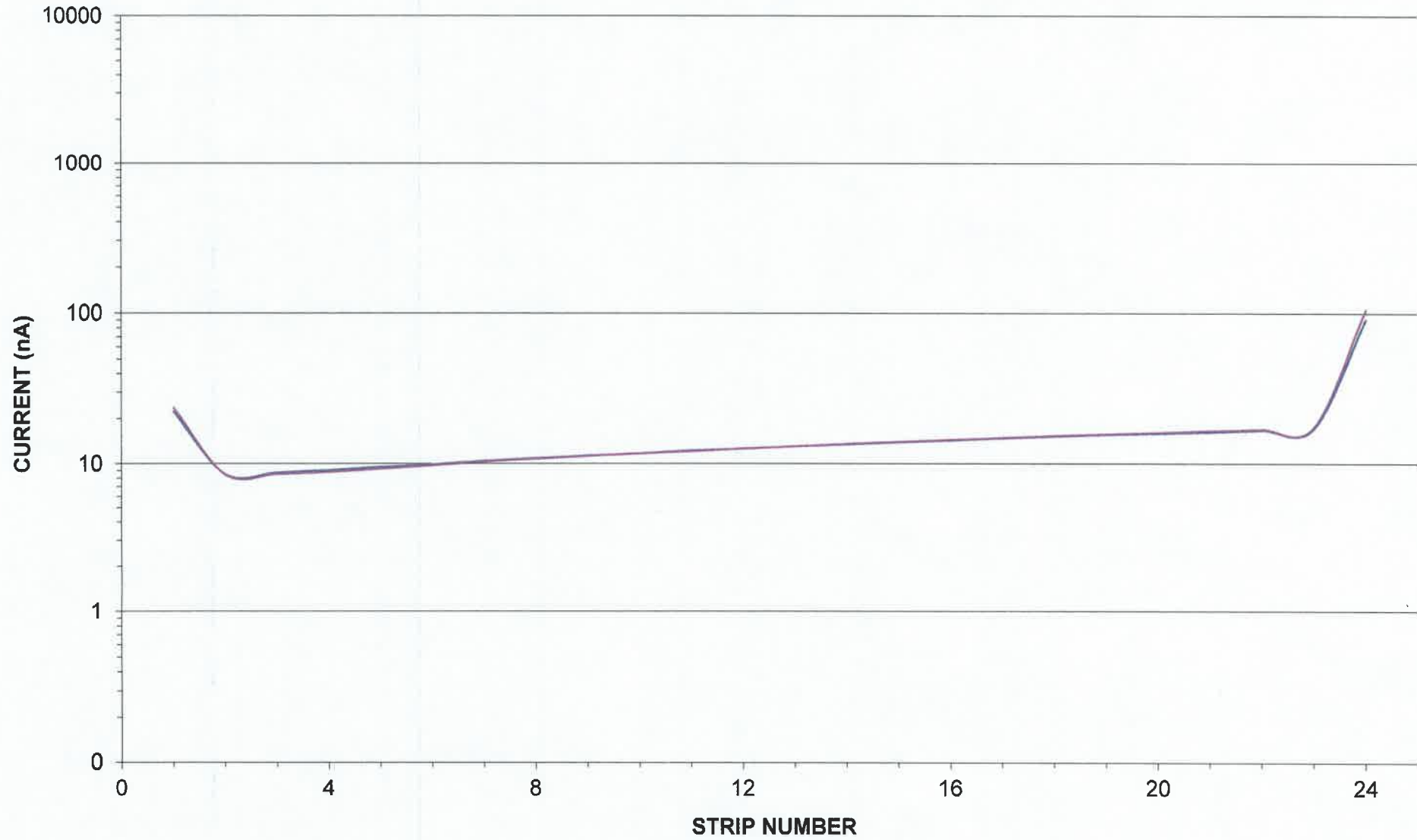
BIAS VOLTS= **200** V

Leakage **565** nA

**S3-1000 N-TYPE**  
**2807-21 TOTAL DETECTOR IV**  
**Dep=175V Thickness=1038um**

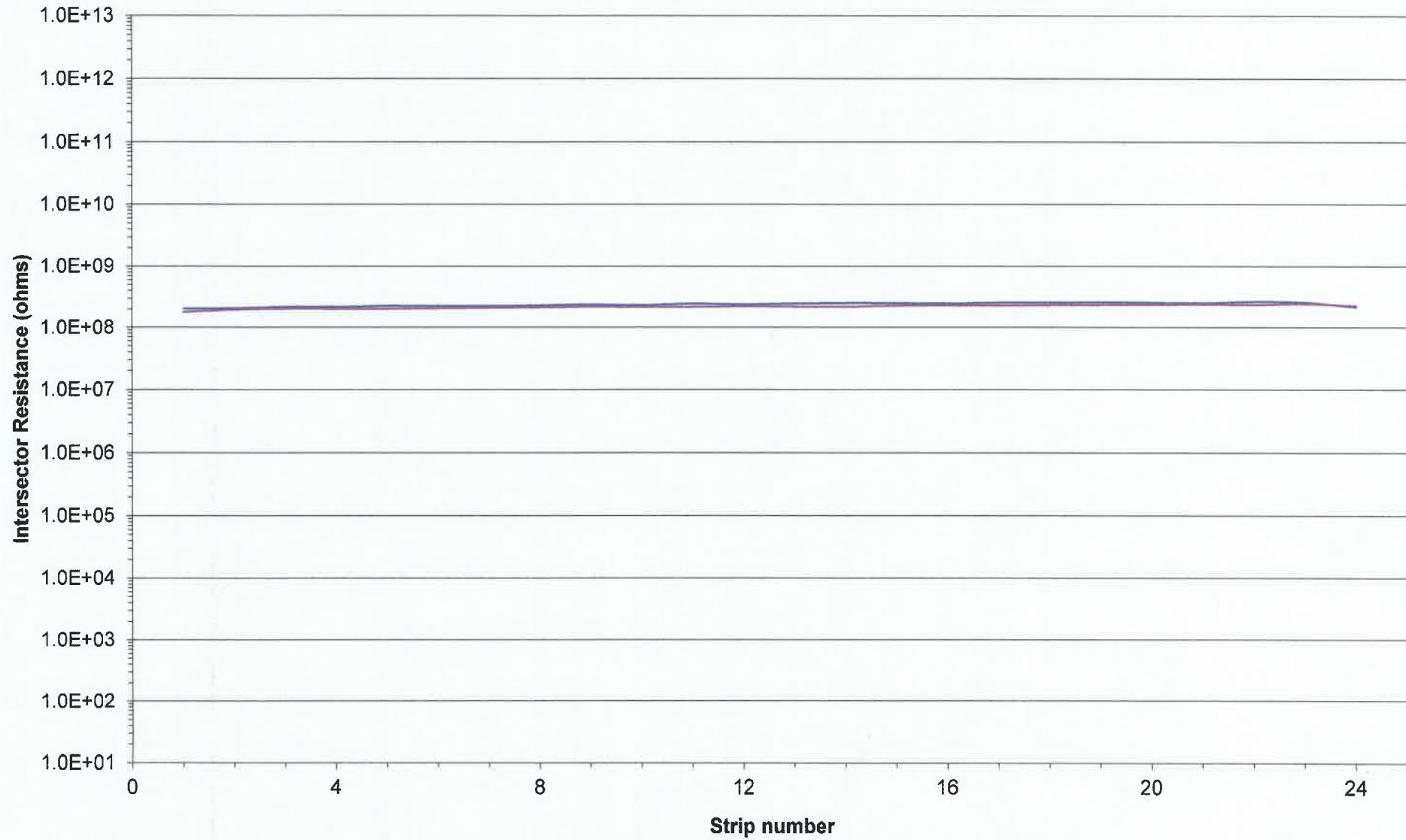


**S3-1000**  
**2807-21 Junction side Dep=175V**



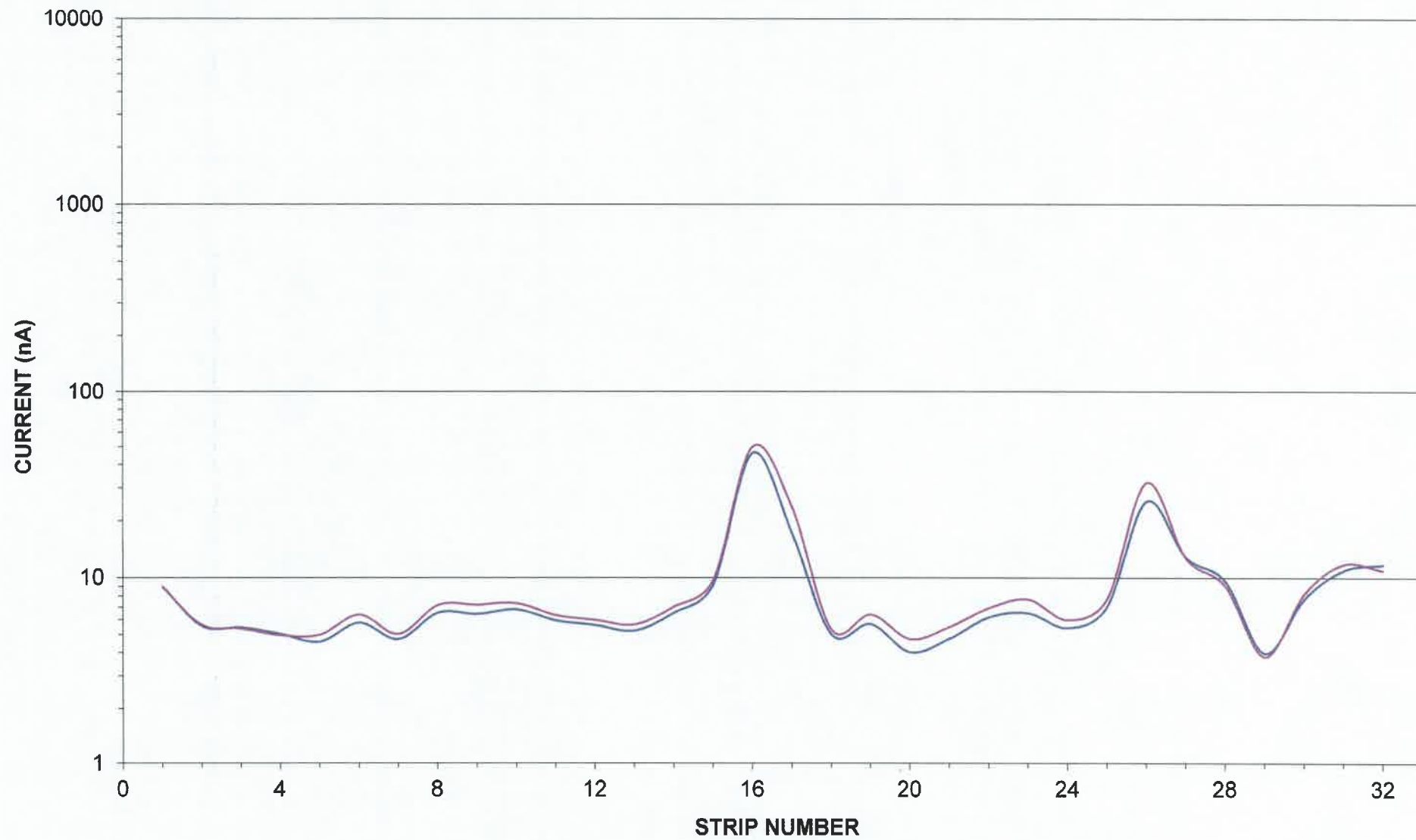
— current @ Dep — current @ Dep+30v

**S3-1000**  
**2807-21 Junction side Dep=175V**



— Inter @ Dep — Inter @ Dep+30v

**S3-1000**  
**2807-21 Ohmic side Dep=175V**



— current @ Dep — current @ Dep+30v

**S3-1000**  
**2807-21 Ohmic side Dep=175V**

