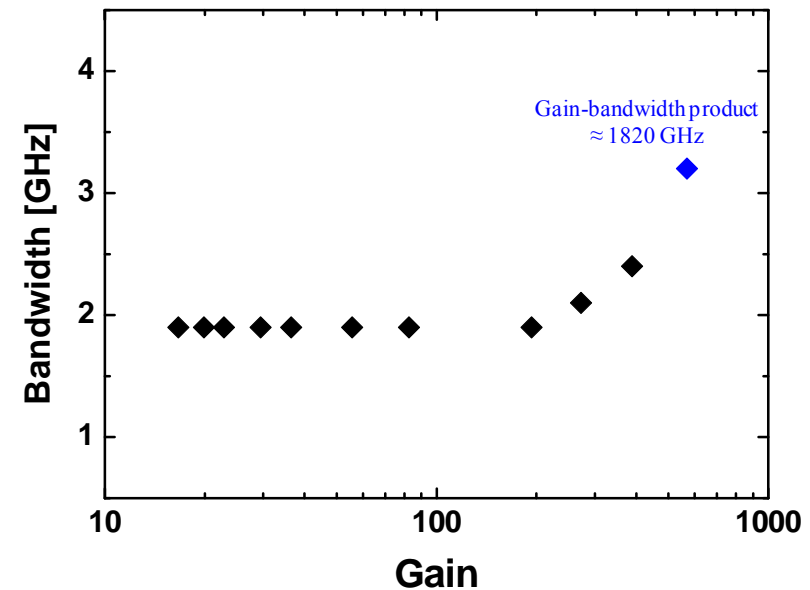
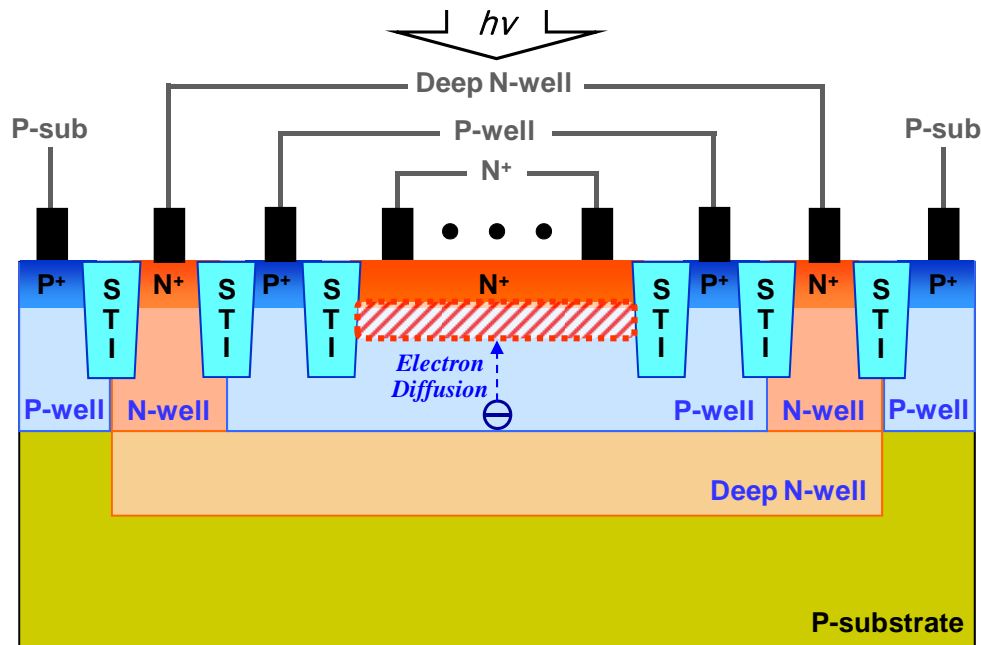


# CMOS-Compatible Avalanche Photodetector

(Optics Express, vol. 18, no. 23, Nov. 2010)



**Gain-bandwidth product over 1 THz is achieved with a CMOS-APD having avalanche gain of 569 and 3-dB photodetection bandwidth of 3.2 GHz.**

- Fully-compatible with standard 0.13- $\mu\text{m}$  CMOS technology
- Bandwidth enhancement with N+/P-well CMOS-APD

