

Superconducting Nanowire Single Photon Detectors: From Research to Industry

giovedì 19 dicembre 2024 10:55 (20)

Superconducting nanowire single photon detectors (SNSPDs) are advanced devices renowned for their high sensitivity, low noise, and fast speed, making them ideal for single photon detection applications such as quantum communication, photonic quantum computing, imaging, and LIDAR. Today, I will share the advanced SNSPD technologies developed by our group and discuss our efforts to transition these innovations from research to industry.

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Session Classification : Condensed Matter

Track Classification : Condensed Matter