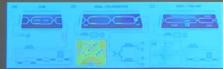






Toronto: Optica 3, 1274 (2016)



Bristol: Nat Commun 8, 13984 (2017); Optica 4, 172 (2017)



Sandia NL: OE 25, 12282 (2017)





MIT: PRX 8, 021009 (2018)



NTU: Nat Photon 13, 839 (2019) USTC: PRX 10, 031030 (2020)

举例1: 硅光子芯片BB84发射端



- 高性能器件
 环形调制器: 20 dB ER, 支持 GHz 调制
 偏报调制器: >30 dB ER, 0.9 dB 功率抖动
 BB84演示
 QBER: 5.4%; 安全密钥率: 0.95 kbps

