

TWO MODE SQUEEZED
VACUUM STATE

$$\sqrt{1-\lambda^2} \sum_i \lambda^i |i\rangle |i\rangle$$

1

$$\{\hat{M}_k(\zeta_1)\}$$

PNRD

$$|m\rangle$$

LOSS

2

$$\{\hat{M}_k(\zeta_2)\}$$

OUTPUT

$$\hat{Q}$$