Total variation distribution (TVD) of the normalized probability distribution for ncoh=3.0(Left),4.0(Right) and cutoff=4 as a function of loss n and squeezing parameter r 0.7751 0.8824 $\langle n \rangle = 0.1$ $\langle n \rangle = 0.1$ $\langle n \rangle = 0.5$ $\langle n \rangle = 0.5$ $\langle n \rangle = 1.0$ $\langle n \rangle = 1.0$ 0.5801 0.6558 - $\langle n \rangle = 2.0$ $\langle n \rangle = 2.0$ $\langle n \rangle = 3.0$ $\langle n \rangle = 3.0$

