Total variation distribution (TVD) of the normalized probability distribution for ncoh=3.0(Left),4.0(Right) and cutoff=4 as a function of noise σ and squeezing parameter r 0.03763 0.03507 $\langle n \rangle = 0.1$ $\langle n \rangle = 0.1$ $\langle n \rangle = 1.0$ $\langle n \rangle = 1.0$ $\langle n \rangle = 2.0$ $\langle n \rangle = 2.0$ 0.02778 0.02589TVD 0.017930.01671

