TWO-MODE SQUEEZED AND ENTANGLED COLLINEAR GLUON STATES

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S u m m a r y

We study a non-perturbative evolution of collinear gluon states during small time. Fluctuations of gluons are less than those for coherent states. We show that the gluon entangled states which are closely related with the two-mode squeezed states of gluon fields can appear by analogy with the corresponding photon states in quantum optics.