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Nonfactorizable contribution of charming loop to $B_s \rightarrow \gamma\gamma$ decay

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In this talk we discuss the nonfactorizable charm-loop effect in the rare FCNC decay $B_s \rightarrow \gamma\gamma$. The nonfactorizable contribution comes from the soft gluon emission from c-quark loop. The rigorous calculation requires the knowledge of three particle DA with three independent coordinates. We properly study the influence of three particle DA form on the amplitude by the case of $B_s \rightarrow \gamma^*\gamma^*$ decay. The numerical estimations are presented for $B_s \rightarrow \gamma\gamma$ decay branching.

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