Abstract

We show that IR/UV mixing, which is a generic behavior of quantum field theories on noncommutative space (NCQFT), is absent at the one loop level for light-like noncommutative theories. This result which as we argue, is expected to be valid at all loops order, is a consequence of the fact that the UV cutoff on the light-cone Hamiltonian manifests itself as an IR cutoff for the light-cone momentum p^+ and that the IR divergence of non-planar diagrams of the light-like noncommutative theories is controlled by the IR cutoff on p^+.