

Colour Inside Environment

Monday, 5 October 2015 18:30 (5 minutes)

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It is shown that in the model of stochastic QCD vacuum colour quark confinement can be described as decoherence of pure colour state of the particle into the mixed quantum state with equal probabilities for different colours as a result of density matrix evolution. Quantum functions of Purity, Fidelity and von Neuman entropy for one- and multi-particles states are calculated.

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Session Classification: Poster session

Track Classification: Status of QCD