Excited QCD 2015



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Is the spacetime Euclidean inside the hadrons?

Tuesday, 10 March 2015 18:30 (25 minutes)

Solution of Schwinger-Dyson and Bethe-Salpeter Equations for excited and ground state pions will be presented. The quark gap equation has been solved directly in our Minkowski space-time and the solution, according to confinement, does not allow a free quark propagation. The Minkowski space solution for confining QCD as will be shown, is not only numerically accessible, but also provides a reasonable description of the pseudoscalar meson system. An unknown and unusual features of confinement in Minkowski space will be discussed for unobservable QCD Greens function as well us the implication for observables will be mentioned. The question in the title will not be answered by the speaker.

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