

Joint seminar of the NPI of the CAS

29. 6. 2025

Mgr. Vladimír Šauli, Ph.D., DTP NPI: *Quarkonia and Lorentz invariant picture of heavy (and light) quarks confinement*

Abstract:

Though incomplete, a review of quarkonia and their transitions will be presented. The advantages and disadvantages of the theoretical tools used to describe them will be discussed. A nonperturbative method based on the functional formalism of quantum field theory will be compared with experiments and other methods. A picture of heavy quark confinement will be presented in the aforementioned framework.