

Z_c(3900): theory, experiment, lattice

Tuesday, 26 July 2016 18:20 (30 minutes)

In this talk we report on two recent works about the $Z_c(3900)$ resonance. A coupled channel T-matrix is used in the description of the D^*D and $J/\psi\pi$ spectra in which the $Z_c(3900)$ peak has been seen. The data can be well reproduced in two different scenarios, in which the $Z_c(3900)$ is a resonance or a virtual state. We also put this coupled channel T-matrix in a finite box, with the aim of comparing with recent lattice QCD simulations.

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