

## **Z<sub>c</sub>(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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**Session Classification:** Mesons