

FAKULTÄT für PHYSIK
LUDWIG-MAXIMILIANS-UNIVERSITÄT
MÜNCHEN/GARCHING

PHYSIK-DEPARTMENT
TECHNISCHE UNIVERSITÄT MÜNCHEN
MÜNCHEN/GARCHING

MLL-KOLLOQUIUM

Donnerstag, 07.02.2019, 16¹⁵ Uhr

Hörsaal der LMU in Garching, Am Coulombwall 1
Treffen zum gemeinsamen Kaffee 16 Uhr

Prof. Altug Özpineci

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The State X(3872) and its Charmonium Content

The very narrow mesonic state X(3872) has puzzled theorists since the time of its discovery. Some of its properties, like the mass, can naturally be explained by assuming it to be a pure DD* molecule, whereas some other properties are more naturally explained if one assumes that it is a charmonium bound-state.

In this talk, a heavy quark effective field theory framework will be introduced, which incorporates both of these pictures in order to achieve a more consistent description of the X(3872)-meson.

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