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# Meson Molecules

*Friday, 23 June 2023 10:30 (30 minutes)*

Over the past two decades, numerous new hadrons have been observed in the charmonium and bottomonium energy regions. Many of these states reside near meson-antimeson thresholds and therefore can be considered as potential candidates for meson molecules. In this talk, I will discuss how to decipher the nature of such states from experimental line shapes and lattice QCD simulations. An overview of the effective-field-theory approach for analysing the near-threshold states will be presented. Some applications, e.g., to the recently discovered doubly charm  $T_{cc}(3875)^+$  state will be discussed.

## Collaboration

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**Session Classification:** Plenary session