Type: Invited/Leading contribution

Hidden-charm pentaquarks as hadronic molecules

In this talk, I will discuss the hidden-charm pentaquarks with and without strangeness from the hadronic molecular point of view. I will show that the LHCb data can be well described under this picture by constructing an effective field theory for the interactions between $\Sigma_c^{(*)}\bar{D}^{(*)}$. Predictions of many more hidden-charm and double-charm molecular pentaquarks will be presented using a simple model for the interaction between a pair of charmed hadrons. I will also briefly discuss the photoproduction of P_c states.

Primary author: GUO, Feng-Kun (Insitute of Theoretical Physics, Chinese Academy of Sciences)

Presenter: GUO, Feng-Kun (Insitute of Theoretical Physics, Chinese Academy of Sciences)

Track Classification: Hadron-hadron interactions