

840. Wilhelm and Else Heraeus Seminar on Real-Time and Non-Equilibrium Quantum Field Theory

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The role of double-heavy tetraquarks (dimesons)

The discovery of the dimeson T_{cc}^{++} at CERN 2021 at the predicted energy supported the successful application of the quark model beyond the 2-body and 3-body hadronic systems. Now, T_{bb}^{-} (and possibly T_{bc}^0) are expected to be strongly bound and decay only weakly. The search for T_{bc}^0 and T_{bb}^{-} continues and should be strongly encouraged. The reconstruction of the plethora of weak decays might test the influence of the c- and b- rich environment on the evolution of tetraquarks.

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