

On the existence of tetraquarks

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This talk is dedicated to Professor David Brink. We had many papers together over a period of about 25 years. Here I shall concentrate mostly on the last topic of our collaboration which was related to tetraquarks. These are systems formed of two quarks and two antiquarks. We found that the colour-colour channels have an important role on the stability of tetraquarks against strong decays. I shall present a short update of the experimental evidence on tetraquarks and the status of the theory. Newly discovered resonance, as for example X(3872) or Y(4260), have properties which can well be explained if they are interpreted as tetraquarks.