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Doubly heavy tetraquarks

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With the discovery of doubly charmed Xi baryon a somewhat forgotten issue of tetraquarks containing two heavy and two light (anti) quarks aroused theorist's interest.

We will discuss different approaches that have been used to estimate binding energy of such objects including a model where the light sector is treated as a soliton. We will show that this model has very different large N_c limit from other approaches and speculate that this might be a reason for stronger binding in the soliton case.

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