

Pentaquarks, doubly heavy exotic mesons and baryons and how to look for them

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Collaboration

Abstract content

I discuss the experimental evidence for and theoretical interpretation of the new mesons and baryons with two heavy quarks. These include doubly-heavy baryons, exotic hadronic quarkonia and most recently a manifestly exotic pentaquark-like doubly heavy baryon with a minimal quark content $uud\bar{c}$ discovered by LHCb, whose mass, decay mode and width are in agreement with a prediction based on a physical picture of a deuteron-like “hadronic molecule”.

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