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Exotic and excited states from functional approaches

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We summarise recent advances on the description of exotic and excited states using an approach to QCD via Dyson-Schwinger and Bethe-Salpeter equations. We discuss first steps in the calculation of (quenched) glueball states, explain in more detail methods and results to extract the spectrum of four-(anti-)quark states from the four-body Faddeev-Yakubovskii equation and present first results for the excited baryon spectrum obtained from the three-body Faddeev equation. Particular emphasis is given to the comparison with corresponding results from lattice QCD.

Summary

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