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Properties of exotic and non-exotic quark-bilinears within the Dyson-Schwinger–Bethe-Salpeter equation approach

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Results of a sophisticated approach to a comprehensive meson phenomenology within the rainbow-ladder truncated Dyson-Schwinger–Bethe-Salpeter equation framework are presented and discussed.
The exotic and non-exotic light and heavy quarkonium mass spectrum in the spin-0 and spin-1 channel, as well as for tensor mesons is evaluated.
Quasi-exotic counterparts of exotic quarkonia in the open-flavor sector are identified and discussed.
Leptonic decay constants and orbital angular momentum decompositions are analysed and open up new perspectives on the identification of experimentally observed states.

Summary

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