

Mass spectrum and decay constant of Fourth generation quarkonia and

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The heavy fourth generation of quarks that have sufficiently small mixing with the three known SM families form hadrons. we calculate the masses and decay constants of the bound state objects containing two quarks (mesons beyond the SM) either both quarks from the SM4 or one from heavy fourth generation and the other from observed SM quarks, namely heavy charm or bottom quark in the framework of the QCD sum rules approach.

Primary author: Prof. BASHIRY, Vali (Cyprus International University)

Presenter: Prof. BASHIRY, Vali (Cyprus International University)

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