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A holographic approach to heavy non $q\bar{q}-$ states using configurational entropy

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This work uses the connection between hadronic stability and configurational entropy to explore hadronic structures written in terms of nonquadratic dilaton $(\kappa\, z)^{2-\alpha}$. These hadronic structures are described using the relation between the parameters κ and α with the constituent mass. We test Z_c and ψ as non $q\bar{q}$ states defined as hadroquarkonium, hadronic molecule, or diquark-antidiquark pair. We find that photographically speaking, Z_c is better described as a hybrid meson and ψ as hadrocharmonium.

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