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Quark mass dependence of hadron resonances

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We study the dependence of hadronic resonances on the mass of quarks through the analysis of data from QCD lattice simulations from various collaborations. Using Machine Learning techniques as the LASSO algorithm we fit lattice data in order to extrapolate them to the physical point and extract the results for the quark mass dependence for exotic resonances like Ds_0 and Ds_1 .

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