Contribution ID: **175**   Type: **Oral Presentation**

Quark mass dependence of hadron resonances

Friday, 12 August 2022 14:10 (20 minutes)

We study the dependence of hadronic resonances on the mass of quarks through the analysis of data from QCD lattice simulations form 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 Ds0 and Ds1.

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Session Classification: Hadron Structure

Track Classification: Hadron Structure