Contribution ID: **86** Type: **not specified**

Bottomonium resonances from lattice QCD static-static-light-light potentials

Tuesday, 4 August 2020 16:20 (20 minutes)

We study I = 0 quarkonium resonances decaying into pairs of heavy-light mesons using static-static-light-light potentials from lattice QCD. To this end, we solve a coupled channel Schrödinger equation with one confined quarkonium channel and two channels with a heavy-light meson pair to compute phase shifts and t-matrix poles for the lightest decay channel. Finally, we discuss our results in the context of corresponding experimental results.

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Session Classification: Hadron Spectroscopy and Interactions

Track Classification: Hadron Spectroscopy and Interactions