

## **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.

**Primary author:** MUELLER (\*), Lasse (Goethe University Frankfurt)

**Co-authors:** BICUDO, Pedro; CARDOSO, Nuno; MUELLER, Lasse; WAGNER, Marc

**Presenter:** MUELLER (\*), Lasse (Goethe University Frankfurt)

**Session Classification:** Hadron Spectroscopy and Interactions

**Track Classification:** Hadron Spectroscopy and Interactions