

Contribution ID: 58

Type: **Parallel**

Is the glueballonium possible?

Tuesday, 18 May 2021 17:35 (20 minutes)

We present the results of the phase-shifts and scattering length/volumes of the scattering of two scalar glueballs in the framework of an effective approach of Yang-Mills theory with $N=3$ (QCD without quarks). We show that the interaction is attractive, hence we investigate if a bound state can form. Quite interestingly, it seems possible.

Collaboration

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Session Classification: Parallel Session B2