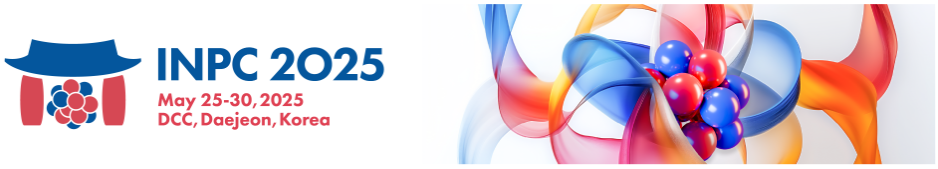

Contribution ID: **45** Type: **Contributed Oral Presentation**

Quark confinement in tetraquark systems

Monday, 26 May 2025 17:25 (15 minutes)

We discuss a novel formulation of the quark confinement potential in the quark model viewpoint. The new formula contains the multi-body string-like potential, that allows hidden-color configurations besides two-meson states. We apply this formulation to the newly discovered $cc\bar{c}\bar{c}$ tetraquark states and find an interesting spectrum for the system. We suggest some bound states as well as resonances in the S-wave $cc\bar{c}\bar{c}$.
Ref. G.J. Wang, M. Oka, D. Jido, Phys. Rev. D108, L071501 (2023), ArXiv: 2307.04310

Primary author: OKA, Makoto (RIKEN)

Presenter: OKA, Makoto (RIKEN)

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