

# 823<sup>rd</sup> ASRC Seminar

**Date:** July 26 (Tue), 10:30 ~ 12:00

**Location:** Lobby(2F) of ASRC bldg. & Online via Zoom

**Speaker:** Assoc. prof. Qi Fang Lyu

(Dept. of Physics, Hunan Normal Univ. & RCNP, Osaka Univ.)

**Title:** Spectroscopy of heavy baryons in the constituent quark model

## Abstract:

In the past years, lots of heavy baryons have been observed in experiments, which provides a good opportunity for us to investigate their inner structures and makes the heavy baryon mass spectra and decay behaviors as a hot topic of hadronic physics. Meanwhile, the constituent quark model is a basic and useful tool for hadronic spectroscopy, which has been widely adopted to investigate the masses, decays, productions, and so on. In this talk, I will briefly review the theoretical and experimental status of heavy baryons, and then introduce the constructions of wave functions in the constituent quark model. Finally, the masses and strong decays of selected heavy baryons are discussed.

<Contact for Zoom URL>

Gubler  
([gubler@post.j-parc.jp](mailto:gubler@post.j-parc.jp))

Advanced Science Research Center