

Internal structure of the Roper resonance in terms of the πN coupled channels

Tuesday, 9 March 2021 15:30 (20 minutes)

In this talk I explain how we can evaluate the fractions of the πN and other meson-baryon molecular/cloud components for the N and Δ resonances from the πN scattering amplitude in terms of the compositeness. Then I construct a simple model to discuss the internal structure of the Roper resonance $N(1440)$ with the meson-baryon compositeness.

Presenter: SEKIHARA, Takayasu (Kyoto Prefectural University)