# — 第970回九大原子核セミナー —

**講師：** Tetsuo Hyodo 氏 (Tokyo Metropolitan University)

**演題：** Lambda(1405) as a hadronic molecule

**日時：** 11 月 13 日 (金) 16:30〜

**場所：** ( ※ オンラインセミナー)

## 概 要

Hadronic molecules are the new form of matter induced by the strong interaction. However, identification of the hadronic molecules involves several subtle difficulties such as the model dependence and the interpretation of the resonance wave function. To overcome these difficulties, we use the compositeness to characterize the internal structure of hadrons, and generalize the weak-binding relation for unstable resonances. It is quantitatively shown that the structure of the $\Lambda(1405)$ resonance is dominated by the molecular state of an antikaon and a nucleon.

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