

## 量子物理学・ナノサイエンス第 434 回セミナー

# H-Dibaryon Search near the Lambda Lambda Threshold using a Kaon Beam

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**日程** : 1月 26 日 (月) 15:00-  
**場所** : 本館 2 階 227C 物理学系輪講室および Zoom  
**Zoom** : ID: 885 3110 9243 Pass: D5KLPP

### 概 要

This seminar will review experimental searches for the H-dibaryon through various reactions, focusing specifically on the latest results from the J-PARC E42 experiment. This experiment investigates the H-dibaryon near the Lambda Lambda and Xi- p mass thresholds. The E42 has collected thousands of Lambda Lambda production events from (K-, K+) reactions off a 12C target at 1.8 GeV/c. We are on the verge of publishing our results, and this talk will discuss the nature of the H-dibaryon, offering insights into exotic baryon spectroscopy and extending our understanding to further multiquark states.

連絡教員 慈道 大介 (内線 2083)