



量子物理学・ナノサイエンス第 263 回セミナー/  
トポロジカル物質科学セミナー

## Andreev and Majorana Weyl crossings in multi-terminal Josephson junctions

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- 日程** : 7月8日(月) 15:00-
- 場所** : 本館1階 155B 理学院セミナー室

### 概要

We analyze the Andreev spectrum in a four-terminal Josephson junction between conventional and topological superconductors. We find that a topologically protected crossing in the space of three superconducting phase differences can occur between the two Andreev bound states with lower energy. We discuss the possible detection of this crossing through the nonlocal conductance quantization between two voltage-biased terminals.

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