第11回

- 講演者: **瀬藤 憲昭** 氏 (広島大学工学部)
  - 題目: Spectral properties of a spinor-type Bethe-Salpeter equation
  - 日時: 10月28日(月) 16:00 〜 17:00
  - 場所: 数学科**セミナー**室 4号館 3階

The bound state problem is considered within the framework of the Bethe-Salpeter (BS) equation in the ladder model. The bound state are composed of a fermion and an antifermion of equal mass m interacting through the exchange of a massless vector particle. Spectral properties of the coupling constant as a function of the bound state mass \(E\) (\(0\leq E<2m\)) are clarified. Global views are obtained connecting the Goldstein problem (the appearance of continuous spectra in the spinor-spinor BS equation) with the abnormal solutions in the Wick- Cutkosky model (the scalar-scalar BS equation).