Center for Molecular Spectroscopy and Dynamics, IBS-Korea University

IBS Center for Molecular Spectroscopy and Dynamics

COLLOQUIUM

- SPEAKER

  Dr. Joonmo Ahn (Department of Physics, Korea University)

- TITLE

  Q-switched Mode-locked Alexandrite Laser for Picosecond Pulses

- ABSTRACT

  Q-switched mode-locked (QML) lasers have been developed for various applications such as medicine, biology, material science, etc, because of its usefulness of ultrashort pulse width and high peak power. Many different types of QML lasers have been developed including Nd:YAG, Ruby, Ti:Sapphire, and fiber lasers. Alexandrite lasers have been studied as a broadly tunable laser with a wavelength range between 700 – 800 nm. However, most of the works on Alexandrite lasers are on Q-switched operation and QML laser operation are hardly found. In this paper, we investigate the operation of QML alexandrite laser with single transverse mode and picosecond pulse width.

- DATE AND VENUE

  November 2, 2016 (Wednesday, 5:00-6:00 p.m.)
  Seminar room 116, KU R&D Center

- Language

  Korean