



SEMINAR 專題演講



國立中央大學 太空科學與工程學系

Department of Space Science and Engineering, National Central University

Time

Thursday, May 14, 2026
11:00 – 12:00

The CASTOR Space Telescope

Charles Lee | 李丞哲

Ph.D. Student | B.ASc. Engineering Physics (UBC) | EIT (EGBC)

Department of Physics and Astronomy, University of Manitoba, Canada

Place

健雄館 (科四館)

S4-917 教室

Room S4-917,

Chien-Shiung Building

The Cosmological Advanced Survey Telescope for Optical and ultraviolet Research (CASTOR) is a proposed wide-field (30' x 30'), high-resolution (FWHM ~0.15"), 1-m space telescope mission in development at the National Research Council of Canada and the Canadian Space Agency. Optimized for UV/blue-optical wavelengths (150 to 550 nm), CASTOR's wide- and deep-field surveys will enable discoveries ranging from galaxy evolution and AGNs to stellar astrophysics.

The Ultraviolet Multi-Object Spectrograph (UVMOS) is a proposed instrument for CASTOR that will enable low-medium resolution ($R \sim 1400$) spectroscopy. UVMOS demonstrates a new technique for multi-object spectroscopy using Digital Micromirror Devices (DMD). This talk will provide a general overview of CASTOR's science missions and instrument design, followed by a focus on the ongoing UVMOS instrumentation work conducted at the University of Manitoba and our collaborating institutions.