



Yao-Li Liu is currently an Assistant Professor at the Institute of Space and Plasma Sciences, National Cheng Kung University. He received his Ph.D degree in physics from National Central University (NCU) in 2016, and then stay in NCU as a postdoc.

His research interest is laser-plasma physics in both simulation and experiment. The topics includes laser wakefield electron acceleration, laser plasma ion acceleration, laboratory astrophysics and high-order harmonic generation.



In this talk, I will briefly introduce the laser-plasma physics based on the following three parts: (a) the Chirped-Pulse Amplification and the NCU 100-TW laser facility. (b) the basic physics of laser-plasma interaction. (c) the applications of laser-plasma interaction such as laser wakefield electron acceleration, laser plasma ion acceleration, laboratory astrophysics and high-order harmonic generation.

**15:30-17:20 P.M., Wednesday, Oct 26<sup>th</sup>, 2022**

**NE69 ESS Building, NTHU**

**101, Sec2, Kaung-Fu Rd., Hsinchu 300044, Taiwan**

[yaoliliu@gs.ncku.edu.tw](mailto:yaoliliu@gs.ncku.edu.tw)