

# DEPARTMENT OF PHYSICS

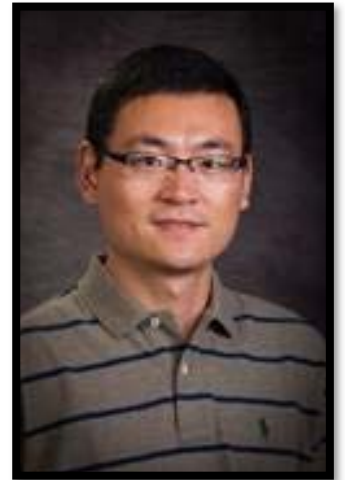
## AMO Seminar

Monday, December 4 @ 2:00 PM  
4138 Physics Research Building

**Dr. Xu Wang**

*China Academy of Engineering  
Physics*

**"Double Ionization with Circular Polarization: Current Status and Explanation of Unexpected New Experimental Data"**



Strong-field atomic double ionization by circularly polarized laser fields has received attention theoretically, with predictions on conditions with which recollision and nonsequential double ionization may happen. Yet experimental tests had been lacking until recent experiments by Prof. DiMauro's group at OSU. While data for 800 nm and longer wavelengths confirm the current theoretical understanding, data for 400 nm are quite unexpected. I will summarize the current status of double ionization with circular polarization, and give a clear explanation to the unexpected data at 400 nm using just classical mechanics.



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