

第143回化学コロキウム / (大学院GP・物理-化学合同セミナー)

日時 5月13日(水) 16:30-17:30

教室 12-208号室

講師 Prof. J. H. Sanderson (Dept. Phys., Univ. Waterloo, CANADA)

演題 Using femtosecond laser pulses to "see" small molecules

Abstract:

I will discuss at a very introductory level the scientific and technical breakthroughs which have brought us over the last one hundred years to our current capabilities to see angstrom scale movement on a femtosecond timescale. I will describe the work carried out in my lab at Waterloo and show some of our latest results, imaging CO₂ molecules, using one of the shortest pulses available in the world, at ALLS (Advanced Laser Light Source).