

Quantum Times

A colloquium sponsored by the Society of Physics Students

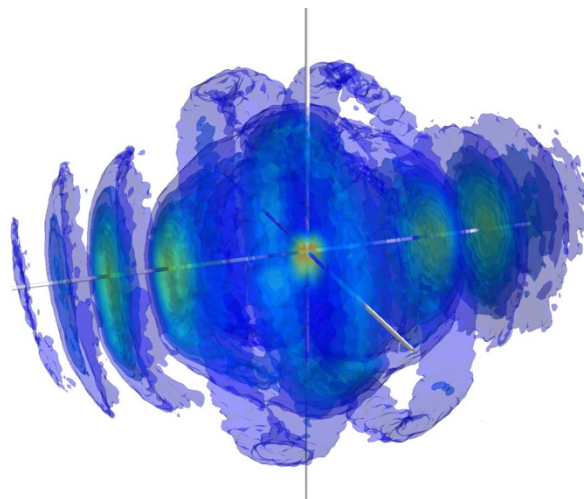


Carlos Trallero

Professor of Physics at University of Connecticut

Becoming a faculty or researcher position is hard. This is particularly so for people with non-standard backgrounds. Scientifically, I will talk about experimental methods that make use of intense and short laser pulses.

Intense ultrashort pulses are phenomenal tools for the study of structure and dynamics of matter. I will talk about the generation of phase locked laser beams that can achieve relative stability of a few zeptoseconds (10^{-21} seconds). At this time scale, we could start thinking about measuring the dynamical structure of fundamental particles. We also use intense short pulses to measure 3D electron distribution in momentum space, with relatively high resolution, allowing us to uncover new structures in such distribution.



Friday, March 10th, 2022
4:00 PM EST in Jepson 225

Please contact SPS president Abby Swanson at aswanson2@mail.umw.edu with any questions!

Hosted by the Department of Chemistry and Physics

Open to all who wish to attend

