

Daniel Phillips is a Professor of Physics and Astronomy at Ohio University in Athens, Ohio, where he has been a faculty member since 2000. Before moving to Athens he received his Ph.D. in 1995 from the Flinders University of South Australia and was then a postdoctoral fellow at the University of Maryland and a Research Assistant Professor at the University of Washington. Prof. Phillips' research seeks to improve the theory and phenomenology of nuclear systems that can be described in terms of a few effective degrees of freedom. He has done extensive work on the theory of electromagnetic reactions on light nuclei, with a particular emphasis on the phenomenology of Compton scattering from the proton, deuteron, and ${}^3\text{He}$. He was a pioneer in the use of effective field theory (EFT) for these reactions. More recently he has been investigating emergent few-body descriptions for nuclei near the drip lines, and applying EFT to systematize those descriptions. He is particularly interested in connections between the physics of such "halo nuclei" and that of cold atomic gases near the unitary limit. Prof. Phillips has over 80 refereed publications. He became a Fellow of the APS in 2008, held a DFG Mercator Professorship in 2009, and in 2014 was named an Outstanding Referee by Physical Review and Physical Review Letters. He served in the Chair line of the APS Topical Group on Few-body systems between 2012 and 2016, and co-chaired the 2015 edition of the International Conference on Few-body Problems in Physics.