

Calvin Howell is a Professor of Physics at Duke University, an Associate Director of the Triangle Universities Nuclear Laboratory (TUNL), an Adjunct Professor in the Medical Physics Program at Duke University, and a former Director of TUNL. He has been a visiting scientist at several National Laboratories - Los Alamos National Laboratory, the Stanford Linear Accelerator Center, and the Thomas Jefferson National Laboratory. His research is in experimental nuclear physics with emphasis on the quantum chromodynamics (QCD) description of low-energy nuclear phenomena, including structure properties of nucleons and nuclei and reaction dynamics in few-nucleon systems. His current projects include measurements of the electromagnetic and spin-dependent structure properties of nucleons via Compton scattering on the proton and few-nucleon systems and studies of two- and three-nucleon interactions using few-nucleon reactions induced by photons and neutrons. In addition, his work includes applications of nuclear physics to national nuclear security, medical isotope production, and plant biology. He has published more than 170 papers in peer-reviewed scientific journals and has contributed to writing three national long-range plans in nuclear science in the U.S.A. Professor Howell is a Fellow of the American Physical Society (APS) and has served the U.S. nuclear physics community extensively. His service includes being a visiting Program Director at the National Science Foundation (NSF), a member of the U.S. Department of Energy (DOE)/NSF Nuclear Science Advisory Committee, a member of the Executive Committee of the Division of Nuclear Physics of the APS, chair of the Executive Committee of the Southeastern Section and the Few-Body Topical Group of the APS, chair of the APS Committee on Minorities, and a member and chair of numerous APS and conference organizing committees. He received a bachelor's degree in physics from Davidson College, a Ph.D. in physics from Duke University, and was a postdoc at TUNL before joining the faculty at Duke University in 1985.