

Chris Richardson, ELON University



I am an assistant professor at Elon University with research interests in plasma simulations, nebular astrophysics, computational astrophysics, compact objects, and physics / astronomy education. I earned my PhD in Astrophysics from Michigan State University and graduated from Eastern Illinois University Magna Cum Laude with degrees in Physics and Applied Physics.

My general area of interest concerns the microphysics of emission line regions using numerical simulations. Running highly detailed computations on off-site super computers allows our group to analyze the results of simulations in a fraction of the time that would be required on traditional desktop / laptop computers. At Elon, we focus on learning about starburst galaxies, active galaxies (with central supermassive black holes), supernova remnants (exploded stars), galaxy morphologies, and star forming nebulae. Explore the topics below to see specific research opportunities in each of these areas.