

Bonnie T. Fleming, a Professor of Physics at Yale University, studies neutrinos to both understand their nature and learn what they can tell us about the rest of the Standard Model of particle physics and the universe. In her research program at Yale, Professor Fleming is pursuing next generation, precision neutrino detection techniques combining a rigorous R&D program on Liquid Noble Gas detectors with pressing questions in neutrino physics. Prof. Fleming is the founding Scientific Spokesperson and now Co-spokesperson of the MicroBooNE experiment, and also collaborates on the short baseline neutrino experiments ArgoNeuT, LArIAT, SBND, and the DUNE long baseline experiment. Her work in the community has included membership on the High Energy Physics Advisory Committee (2010-2013), HEPAP's DMSAG (2007) and HEPAP's P5 (2014) sub-committees, the DPF's CPAD committee (2014-2015) and the SLAC Science Policy Committee (2015-present). Since 2016, Professor Fleming has served as the Deputy Chief Research Officer for the neutrino program at Fermilab, on a part-time *service leave* from Yale. Combined with her research program and community participation, Prof. Fleming actively encourages women and girls to pursue science through mentoring and several programs including the APS *Conference for Undergraduate Women in Physics*, and *Girls Science Investigations*. Professor Fleming was elected a fellow of the American Physical Society in 2014 and received the APS DPF Mentoring award in 2018.