

Helen Caines is an Associate Professor of Physics at Yale University. Her research is concentrated on understanding the behavior of nuclear matter under extremes of temperature and density. In particular she studies the properties of the deconfined state of quarks and gluons, the Quark Gluon Plasma, that is created when energy densities of more than 6 times nuclear matter are reached. Helen is Deputy Spokesperson of the STAR experiment, based at the Relativistic Heavy Ion Collider at Brookhaven and is a collaborator on the ALICE experiment at the Large Hadron Collider at CERN. She received her Ph.D. from Birmingham University, UK in 1996 and was elected a Fellow of the UK's Institute of Physics in 2008. Helen has coauthored more than 300 peer-reviewed publications, has organized numerous national and international meetings, including serving on the DNP Program committee, and was elected Chair of the executive committee for the RHIC/AGS Users Group from 2009-2012.