

Paulo Bedaque is a Professor at the University of Maryland, College Park. He received his Ph.D. from the University of Rochester in 1989 and a B.S. from the Universidade de Sao Paulo in 1985. Bedaque has broad research interests ranging from the physics of neutron stars to low energy few nucleon systems to lattice QCD. In the last several years most of his effort has been in developing novel numerical methods - using either classical or quantum computers - to attack problems that have been previously outside the scope of computational methods including the fate of QCD matter at large densities and real time properties like transport coefficients. This includes a fundamental rethinking of how those problems are usually approached and the implementation of the algorithms that follow from it. Bedaque trained a number of students and postdocs who are now faculty members in the U.S. and abroad and is also actively involved in the organization of workshops and Schools for young researchers in topics like artificial intelligence and its uses in Nuclear Physics.