Title: Bayesian perspective on global analysis of parton in hadron distributions and parton to hadron fragmentation functions.

Abstract:
Over the last few decades, significant progress has been made to extract collinear parton distribution functions (PDFs) and parton to hadron fragmentation functions (FFs) from a variety of data collected from high energy reactions involving leptons and hadrons at different experimental facilities around the world. The success of the QCD global analysis has allow us to gain insights on QCD dynamics of quarks and gluons inside hadrons as well as the ability to make predictions for collider experiments such as the LHC. An important part the global analysis is the mathematical framework that enables us to extract the PDFs or FFs. In this talk, I will review such framework from a Bayesian perspective.