

Title: Dark Forces, Dark Matter, and the GeV-Scale Discovery Frontier

Abstract: The search for dark matter and new forces mediated by sub-GeV particles with very weak coupling to matter ("dark forces") is an emerging frontier in fundamental physics. I will present the theoretical motivations for dark forces and their possible connections to dark matter and the anomalous magnetic moment of the muon. I will also discuss strategies, results, and prospects for searches at high-energy colliders, flavor factories, and dedicated fixed-target experiments.