

Exploring Baryon-Baryon Interactions Using Lattice QCD

Wednesday, April 2, 2025 2:45 PM (25 minutes)

Baryon-baryon interactions are crucial for understanding phenomena at nuclear length scales and beyond. Advances in lattice QCD have enabled detailed studies of these interactions, particularly at heavier quark masses. In this talk, I will present recent progress in the field, focusing on our work with systems entirely composed of charm quarks, including baryons and dibaryons. Utilizing state-of-the-art lattice methodologies, we explore the dynamics of these heavy-quark systems, providing new insights into their interactions.

Presenter: DHINDSA, Navdeep Singh (The Institute of Mathematical Sciences, Chennai, India)

Session Classification: Parallel Session (B)