Contribution ID: **14** Type: **not specified**

Dbar-N interaction from Lattice QCD

Wednesday, April 2, 2025 2:25 PM (20 minutes)

Knowledge of the Dbar-N interaction is important for studying charmed nuclei or pentaquarks including charm. In this talk, I will present results of the Dbar-N potential and scattering quantities (e.g., phase shift, scattering length) obtained from (2+1)-flavor lattice QCD simulations at physical point, which utilize gauge configurations generated by the HAL Collaboration on a $96^3 \times 96$ lattice with pion mass $m_\pi \simeq 137$ MeV and lattice spacing $a \simeq 0.0844$ fm.

Presenter: YAMADA, Wren (RIKEN)

Session Classification: Parallel Session (B)