

B_c -nucleus system bound states with/without the Coulomb force

Tuesday, September 24, 2024 12:10 PM (40 minutes)

We estimate for the first time the bound-state energies and the corresponding coordinate space radial wave functions of B_c -nucleus systems using a momentum space calculation. We compare the bound-state energies obtained with and without the Coulomb potential, and discuss the interference effect of the strong (nuclear) potential in the Coulomb interaction.

Author: ZEMINIANI, Guilherme (Universidade Cidade de São Paulo)

Co-author: Prof. TSUSHIMA, Kazuo (University of City of Sao Paulo (UNICID))

Presenter: ZEMINIANI, Guilherme (Universidade Cidade de São Paulo)