2005 Vol. 44 No. 6 pp. 1061-1064 DOI:

The Lowest Order Relativistic Corrections for K⁻p Two-Body Problem WANG Wan-Zhang, ZHANG Qi-Ren, and GAO Chun-Yuan

Department of Technical Physics, Peking University, Beijing 100871, China (Received: 2005-4-18; Revised:)

Abstract: A two-body equation of the kaon-proton system with the lowest order relativistic corrections is derived and solved. The scattering lengths and the energy of an unstable bound state are calculated.

PACS: 13.75.Jz, 11.10.St, 03.65.Pm Key words: K⁻ system, relativistic corrections

[Full text: PDF]

Close