## 2004 Vol. 42 No. 6 pp. 891-894 DOI:

A Dynamical Description on Kapitza- Dirac Effect

XIONG Chun-Le<sup>1</sup> and ZHANG Qi-Ren<sup>1,2</sup>

<sup>1</sup> Department of Technical Physics, Peking University, Beijing 100871, China

Abstract: The Kapitza-Dirac effect is investigated in a formalism developed from the formal quantum theory. Numerical calculations yield good agreement with the experimental results.

PACS: 42.50.-p, 42.50.Fx

Key words: Kapitza-Dirac effect, formal quantum theory

[Full text: PDF]

Close

 $<sup>^2</sup>$  CCAST (World Lab), P.O. Box 8730, Beijing 100080, China (Received: 2004-4-1; Revised: )