

# Thomas-forbidden particle capture

John H. Carter\* and Michael Lieber

*Department of Physics, University of Arkansas, Fayetteville, Arkansas 72701*

## Abstract

At high energies, in particle-capture processes between ions and atoms, classical kinematic requirements show that generally double collision Thomas processes dominate. However, for certain mass-ratios these processes are kinematically forbidden. This paper explores the possibility of capture for such processes by triple or higher order collision processes.

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\*Present address: Department of Physics, Astronomy and Materials Science, Missouri State University, Springfield, MO 65897