



2013年度 物質生命理工学科コロキウム

上智大学 理工学部 物質生命理工学科 主催
理工学部・理工学振興会 共催

“Spin-Angular Integration for Studies of Many-Electron Atoms and Ions”

Prof. Gediminas Gaigalas

Vilnius University,

Institute of Theoretical Physics and Astronomy

2013年 11月 27日 (水) 13:30-15:00

場所：11号館 215号室

The review of methods for spin-angular integration in atomic theory will be discuss in the first part of the talk. It will stress on the spin-angular approach which is based on the use of symmetry properties of operators and matrix elements in three spaces (orbital, spin and quasispin), on second quantization in coupled tensorial form, and on graphical technique. This allows to study and to generate fairly accurate spectroscopic data practically for any atom and ion of the periodical table and in the same time to extend the GRASP2K program by the crystal-filled theory. Some aspects on the Crystal field theory and the recent research in the National Institute for Fusion Science will be presented in the second part of the talk.

学生の聴講歓迎・申込不要・参加無料

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