

Joint CQSE and CASTS Seminar

Weekly Seminar
Oct. 11, 2013 (Friday)

TIME Oct. 11, 14:30 ~ 15:30
TITLE Spinor Bose-Einstein condensates
SPEAKER Dr. Ming-Shien Chang
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Abstract

Bose-Einstein condensates (BECs) of trapped atoms with non-zero atomic spin form systems of multi-component quantum fluids, or the so called spinor condensates. The underlying spin-dependent atomic collisions in spinor condensates give rise to very rich internal and external dynamics and structures, such as quantum spin mixing and formation of spin domains and textures. In this talk we will introduce the basic physics and previous experimental studies on spin-1 spinor condensates, and we will report our experimental progress toward studies of spinor condensates at the IAMS.

