



中心系列讲座 ICQM Weekly Seminar Series

Ground states of a mixture of spinor Bose gases with interspecies spin exchange



Prof. Yu Shi(施郁)

Department of Physics,
Fudan University

Time: 4:00pm, Aug. 17th, 2011 (Wednesday)

时间: 2011年8月17日 (周三) 下午4:00

Venue: Room 607, Conference Room A, Science Building 5

地点: 理科五号楼607会议室

Abstract

Spinor Bose gases have been extensively studied in recent years, yet no experiment has been done on a mixture of different species of spinor Bose gases with interspecies spin exchange. We show that interspecies spin exchange fundamentally determines the ground states and the low energy excitations, and leads to various features beyond those of a single species of spinor gas.

About the Speaker

SHI Yu did both undergraduate and PhD studies in Nanjing University, where his advisor was CAS member Prof GONG Changde. His overseas research experience was mainly in Cambridge University (1998-2003). Besides he has also been in University of Illinois at Urbana-Champaign (2003-2004) and in the University of Texas at Austin (2010-2011). He has been a professor of physics in Fudan University since 2005. His research interests include correlated Bose systems and the use of the concept of quantum entanglement in various areas.