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Special Issue on Research on Bose - Einstein Condensation

Call for Papers

Bose - Einstein Condensation (BEC) is a phenomenon that occurs in a macroscopic system of bosons at low temperatures: a nonzero fraction of all the particles in the system occupy a single one-particle state. Bose-Einstein condensation (BEC) was first observed in 1995 in a remarkable series of experiments on vapors of rubidium and sodium in which the atoms were confined in magnetic traps and cooled down to extremely low temperatures, of the order of fractions of micro kelvins. Since then the topic of Bose-Einstein condensation has been attracting very high attention. One of newest research hot dots in recent years is Bose condense atomic gases. The recent research showed that these trapped Bose gases are inhomogeneous and finite-sized systems, the number of atoms ranging typically from a few thousands to several millions. The fact that these gases are highly inhomogeneous has several important consequences. Many works has been done on this area. In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **research on Bose - Einstein condensation**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **research on bose - Einstein condensation**. Potential topics include, but are not limited to:

- Bose - Einstein condensation theory
- Bose condense atomic gases
- Laser cooling
- Atom laser
- Laser trapping of atoms

Authors should read over the journal's Authors' Guidelines carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's Paper Submission System.

Please kindly notice that the "**Special Issue**" under your manuscript title is supposed to be specified and the research field "**Special Issue - *Research on Bose - Einstein Condensation***" should be chosen during your submission.

According to the following timetable:

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