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Introduced By Lev Landau In Connection With His 1937 Theory Of Second Order Phase Transitions. The Order Parameter Is A Quantity That Is Zero In The Disordered Phase Above A Critical Temperature T_c , But Has A Finite Value In The Ordered State Below T_c . In The Theory Jun 4th, 2024

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Quantum Phases Of Bose-Einstein Condensates With Synthetic Spin-orbital-angular-momentum Coupling Chunlei Qu, Kuei Sun, And Chuanwei Zhang* Department Of Physics, The University Of Texas At Dallas, Richardson, Texas 75080-3021, USA (Received 28 February 2015; Published 28 May 2015) Apr 24th, 2024

Nonlinear Schrödinger Equations For Bose-Einstein Condensates

The Physical Significance For NLS In A Magnetic field Is Well-known In Nonlinear Optics And Bose-Einstein Condensate (BEC), Where The Magnetic Structure Is Involved In Scattering, Superfluid, Quantized Vortices As Well As DNLS In Plasma Physics [40, 29, 46]. There Have Been Produced BEC Where Bosons, Fermions Or Apr 29th, 2024

Superfluidity Of Bose-Einstein Condensates In Ring Traps

2 Contents • Introduction To Cold Atomic Gases And Superfluidity • Part 1. Multiple-swallowtail Structures In 2D Bose-Einstein Condensate : MK And Y. Kato, Phys. Rev. A 91, 053608 (2015). • Part 2. Superflow Decay Of Bose-Einstein Condensate In The Ring Jan 30th, 2024

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Transition: Bose-Einstein Condensation. You Will Have A "superfluid Of Light." 1 Quasiparticles Of Light And Matter May Be Our Best Hope For Harnessing The Strange Effects Of Quantum Condensation And Superfluidity In Everyday Applications. The New Era Of POLARITON CONDENSATES Apr 18th, 2024

Landau-Zener Tunneling Of Bose-Einstein Condensates In An ...

3 Dipartimento Di Fisica "E.R. Caianiello", Università Di Salerno, I-84081 Baronissi (SA), Italy, And Istituto Nazionale Di Fisica Della Materia (INFM), Unitá Di Salerno, Italy A Theory Of The Non-symmetric Landau-Zener Tunneling Of Bose-Ei May 1th, 2024

Vortices In Spin-orbit-coupled Bose-Einstein Condensates

PHYSICAL REVIEW A 84, 063604 (2011) Vortices In Spin-orbit-coupled Bose-Einstein Condensates J. Radić, I.T. A. Sedrakyan, I.I. B. Spielman, ,2 Apr 14th, 2024

Cavitation-free, Intrinsically Safe Pumping Of Condensates

VGB PowerTech - Autoreneemplar - 2015 VGB DIGITA VGB PowerTech - Autoreneemplar - 2015 65 VGB PowerTech 8 L 2016 Pumping Of Condensates Tem In M), The Greater The Risk Of Cavitation. The NPSH (net Positive Suction Head) Value Refers To The Energy Differential Between The Total Dynamic H Apr 4th, 2024

Prospects For Mixed-Isotope Bose-Einstein Condensates In ...

It Has Long Been Known As The Ramsauer-Townsend Effect [19].) The Inelastic Cross Section Is Not Suppressed Over The Same Energy Range, And, Therefore, Using An Extremely Long Evaporative Cooling Cycle, As In ^7Li , Would Still Not Necessarily Be Successful. Figure 1 Also Illustrates That The Mixed-isotope Case Fares Quite Well For Evaporative Feb 3th, 2024

Structural And Magnetic Properties And Superconductivity ...

6.1 WDS Data For Ba(Fe 1x Mn X) 2As 2, X