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WHEN ATOMS BEHAVE AS WAVES: BOSE-EINSTEIN CONDENSATION AND ...Helium-3 In 1972. The Advent Of Laser Cooling In The 1980s Opened Up A New Approach To Ultralow Temperature Physics. Microkelvin Samples Of Dilute Atom Clouds Were Generated And Used For Precision Measurements And Studies Of Ultracold Collisions. Nanokelvin Temperatures Were Necessary To Ex- 1th, 2024Bose-Einstein Condensation And SuperfluidityBose-Einstein Condensation And Superfluidity Key Concepts In Low Temperature Physics . Recent Major Progress In Atomic Quantum Gases (main Object Of The Present Course) 2-BEC (can Be Defined At Equilibrium) -Superfluidity (mainly Related To Transport Phenomena) Natural Link Between BEC And Superfluidity Provided By Order Parameter  $\Psi = \Psi_0 e^{iS}$  1th, 2024The XY Model, The Bose Einstein Condensation And ...The XY Model, The Bose Einstein Condensation And Superfluidity In 2d (I) B.V. COSTA UFMG -BRAZIL LABORATORY FOR SIMULATION IN PHYSICS "A Guide To Monte Carlo Simulations In Statistical Physics" By Landau & Binder 3/21/18 KOLKATA-BOSE NATIONAL CENTRE FOR BASIC SCIENCES 1 1th, 2024.

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Superfluidity, Bose-Einstein Condensation, And Structure ...PHYSICAL REVIEW B97, 014513 (2018) Superfluidity, Bose-Einstein Condensation, And Structure In One-dimensional Luttinger Liquids L. Vranješ Markić,1 H. Vrcan,1 Z. Zuhrianda,2 And H. R. Glyde2 1Faculty Of Science, University Of Split, HR-21000 Split, Croatia, EU 2Department Of Physics And Astronomy, University Of Delaware, Newark, Delaware 19716-2593, USA 1th, 2024BOSE-EINSTEIN CONDENSATION3 Bose-Einstein Condensation And Superfluidity K. Huang 31 4 Bose-Einstein Condensation In Liquid Helium P. Sokol 51 5 Sum Rules And Bose-Einstein Condensation S. Stringari 86 6 Dilute-Degenerate Gases F. Laloe 99 7 Prospects For Bose-Einstein Condensation In Magnetically Trapped Atomic Hydrogen T. J. Greytak 131 8 Spin-Polarized Hydrogen ... 1th, 2024Bose-Einstein Condensation And Superfluidity Of ...Bose-Einstein Condensation And Superfluidity Of Quasiparticles In Quantum Wells Presented By: Dr. Oleg Berman Physics Department City Tech Thursday, April 17, At 12:45 PM Namm 804 Phase Transitions In Two-dimensional Systems With Spatially Separated Electrons And Holes In Layered Structure Of Coupled Quantum Wells Are Discussed. 1th, 2024.

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Temperature Necessary For BEC. In The 1980s The Development Of Laser Cooling And Trapping Made It Possible To Realize 1th, 2024.

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