"BEC of Magnons"

Prof. John B. Ketterson

Northwestern University (Physics and Astronomy)

It is generally taken that particles which can appear and disappear by one by one cannot undergo a Bpse-Einstein condensation. However in recent years reports have appeared that under certain non-equilibrium conditions the magnetic excitations in insulating ferrimagnetic systems (magnons) can undergo a pile-up of spectral density in the vicinity of a minimum (or minima) in momentum space. While taking an agnostic position, the experiments on which this conclusion is based will be described.