

BOSE CONDENSATION OF PARTICLES  
WITH SPIN IN MAGNETIC FIELD

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S u m m a r y

It is shown that the Bose condensate in a Bose gas of particles with spin in a magnetic field consists of particles with the magnetic moment directed along the field only. The Bose-condensation temperature increases with the magnetic field to the magnitude  $T_{0\max} = (2s + 1)^{2/3} T_0$ , where  $T_0$  is the Bose-condensation temperature of ideal gas,  $s$  - spin.