

TWO DOPED CARRIER BOUND STATES DUE  
TO SPIN CONSTRAINT IN ANTIFERROMAGNETS

*Yu.B. Gaididei, V.M. Loktev*

Bogolyubov Institute for Theoretical Physics,  
Nat. Acad. Sci. of Ukraine  
(14b, Metrolohichna Str., Kyiv 03143, Ukraine)

S u m m a r y

It is shown that two nearest neighbor doped carriers in antiferromagnets with the Néel ground state can freely propagate along a crystal as opposed to single carriers.