

Spin and Charge in Exotic Oxides Explored by NMR/NQR Observations

Hiroshi Yasuoka

*Advanced Science Research Center, Japan Atomic Energy Research Institute,
Tokai, Ibaraki 319-1195*

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Long-lived NMR studies on Exotic Vanadium and Copper Oxides are reviewed, focusing on the problem associated with 1) The charge and spin differentiation in copper and metallic vanadium oxides, 2) Charge order in mixed valent insulating vanadium oxides, 3) Pseudo-gap in metallic state of high- T_c copper oxides, and in vanadium oxides near the metal to insulator transition. From variety of NMR observations, we try to expose the novel and mysterious characteristics in the highly correlated metallic phases.

KEYWORDS: NMR, NQR, Metallic oxides, High- T_c , Spin Charge Differentiation, Pseudo-gap