

NMR Properties of $^3\text{He-A}$ in Biaxially Anisotropic Aerogel

V.V. Dmitriev, **D.A. Krasnikhin**, A.A. Senin, and A.N. Yudin

P. L. Kapitza Institute for Physical Problems RAS, Moscow, Russia

Theoretical model of G.E. Volovik for A-like phase of ^3He in aerogel suggests formation of Larkin-Imry-Ma state of Anderson-Brinkmann-Morel order parameter. Most of the results of NMR studies of A-like phase are in a good agreement with this model¹, except for some of previous experiments in weakly anisotropic aerogel samples, e.g.^{2,3}. We report that these results can also be well described in frames of the same theory in suggestion of biaxial anisotropy. From the NMR data, we determined anisotropy parameters of spatial distribution of orbital vector \mathbf{L} in these experiments.

¹V.V. Dmitriev, D.A. Krasnikhin, N. Mulders *et al.*, JETP Lett., **91**, 599 (2010).

²O. Ishikawa, R. Kado, H. Nakagawa *et al.*, AIP Conf. Proc., **850**, 235 (2006).

³V.V. Dmitriev, L.V. Levitin, N. Mulders, D.E. Zmeev. JETP Lett., **84**, 539 (2006).