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Transverse acoustic spectroscopy of Superfluid ^3He in compressed aerogel.¹ P. BHUPATHI, H. C. CHOI, J. JHAVERI, B. H. MOON, Y. LEE, University of Florida, Gainesville, FL 32611-8440. — In light of the recent developments on the A-B transition in superfluid ^3He in aerogel and the effect of anisotropic scattering², we have designed an experiment to perform transverse acoustic impedance measurements on compressed aerogel. We investigate the effect of global anisotropy on the phase transition, generated by introducing uniaxial compression of 5 % on the aerogel. We report our preliminary results together with the measurements on the uncompressed aerogel.

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² C. L. Vincente *et al.*, Phys. Rev. B 72, 094519 (2005).

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