

Abstract Submitted
for the MAR10 Meeting of
The American Physical Society

Experimental determination of the structure factor of a Bragg glass phase coexisting with a dirty edge state using slicing neutron diffraction¹ XI WANG, HELEN HANSON, IVO DIMITROV, Brown University, BRIAN MARANVILLE, C. MAJKRZAK, NIST, JING SHI, Brown University, MARK LAVER, NIST, XINSHENG LING, Brown University — We use a slicing neutron diffraction technique, employing neutron reflectometry in the diffraction mode, to study the structure factor of a Bragg glass phase. We found that the ordered center region of the vortex matter gives a distinct cusp line shape in the Bragg peak. We will report our analysis using the Bragg glass model.

¹This work was supported by a grant from the US Department of Energy.

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Date submitted: 20 Nov 2009

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