

Abstract Submitted
for the DNP07 Meeting of
The American Physical Society

Spin response for partially magnetized neutron matter¹ ANGELES PEREZ-GARCIA, Departamento de Física Fundamental, University of Salamanca, Spain — The spin response function is studied for a neutron plasma partially polarized by the existence of a magnetic field, B . By using Skyrme and Gogny interaction potentials we will analyze the monopolar Landau approximation and the modified Lindhart function in the polarized plasma.

¹This work is dedicated to the memory of J.M.L.G. The author acknowledges useful discussions with J. Navarro, A. Polls. This work has been partially supported by project DGI-FIS2006-15319

Angeles Perez-Garcia
Departamento de Física Fundamental, University of Salamanca, Spain

Date submitted: 16 May 2007

Electronic form version 1.4