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Magnetotransport under pressure in helical magnet Au₂Mn I-LIN LIU, MARIA PASCALE, Univ of Maryland-College Park, NICHOLAS BUTCH, Nist Center for Neutron Research, National Institute of Standards and Technology — The binary compound Au_2Mn is well studied because of its magnetic spiral structure. This material is also known to have temperature-dependent giant magnetoresistance. We measured the magnetoresistance and Hall effect as a function of both temperature and pressure. Results will be discussed in relation to neutron diffraction under pressure and the stability of the helical phase.

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