

Abstract Submitted
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Transport **of** **Majorana**
zero modes in ferromagnet-superconductor junction JIAN-XIAO ZHANG,
CHAO-XING LIU, Pennsylvania State Univ — We study the charge conductance
and reflectance at the interface of a controlled ferromagnetic lead and a topologi-
cal superconductor (TSC). In the N=1 phase of TSC, the magnetization-dependent
anisotropic reflectance showed agreement with the polarization of the chiral Ma-
jorana mode occupying the interface layer. Further studies proposed on a realistic
model of materials suggest spin-polarized normal and cross Andreev reflections could
serve as a probe or a gate to the Majorana mode.

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