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Enhancement of the thermoelectric figure of merit in a ferromagnet-quantum dot-superconductor device due to intradot spin-flip scattering and ac field

Wei-Ping Xu, Yu-Ying Zhang, Zhi-Jian Li, Yi-Hang Nie

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Highlights

- We investigate the thermoelectric properties of a ferromagnet-quantum dot-superconductor system with the intradot spin-flip scattering and ac field.
- The presence of microwave field results in photon-assisted Andreev reflection.
- The thermoelectric figure of merit is considerably enhanced by intradot spin-flip scattering strength and microwave frequency.

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