

**STABILITY ESTIMATES FOR TIME-DEPENDENT COEFFICIENTS APPEARING IN THE
MAGNETIC SCHRÖDINGER EQUATION FROM ARBITRARY BOUNDARY
MEASUREMENTS**

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ABSTRACT. In this work, we study the stable determination of time-dependent coefficients appearing in the Schrödinger equation from partial Dirichlet-to-Neumann map measured on an arbitrary part of the boundary. Specifically, we establish stability estimates up to the natural gauge for the magnetic potential.

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