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**Resolvent estimates for the magnetic Schrödinger operator.** (English) Zbl 1304.47004  
Anal. PDE 7, No. 7, 1639-1648 (2014).

Summary: We prove optimal high-frequency resolvent estimates for self-adjoint operators of the form

$$G = -\Delta + ib(x) \cdot \nabla + i\nabla \cdot b(x) + V(x)$$

on  $L^2(\mathbb{R}^n)$ ,  $n \geq 3$ , where  $b(x)$  and  $V(x)$  are large magnetic and electric potentials, respectively.

**MSC:**

[47A10](#) Spectrum, resolvent  
[47B38](#) Linear operators on function spaces (general)  
[35J10](#) Schrödinger operator, Schrödinger equation

Cited in **3** Documents

**Keywords:**

[magnetic potential](#); [resolvent estimates](#)

**Full Text:** [DOI](#) [arXiv](#) [Euclid](#)