

1073-35-267

Magdalena Czubak* (czubak@math.toronto.edu), University of Toronto. *Magnetic interaction Morawetz estimates and applications.*

We establish an interaction Morawetz estimate for the magnetic Schrödinger equation under certain smallness conditions on the gauge potentials. We discuss applications to wellposedness and scattering. This is joint work with J. Colliander and J. Lee. (Received August 09, 2011)