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Marius Beceanu and **Michael Goldberg*** (goldbem1@ucmail.uc.edu), University of Cincinnati, Department of Mathematical Sciences, 839 Old Chem, Cincinnati, OH 45221-0025. *A Schrödinger Dispersive Estimate in \mathbf{R}^3 with Singular Potentials*. Preliminary report.

We prove a dispersive estimate on the linear propagator e^{-itH} for a family of Schrödinger operators $H = -\Delta + V(x)$. The admissible class of potentials is invariant with respect to the Laplacian's natural inverse-square scaling law, and includes singular examples where $V(x)$ is a measure rather than a function. (Received February 09, 2010)