1057-42-215 **Marius Beceanu** and **Michael Goldberg*** (Michael.Goldberg@uc.edu), 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 January 22, 2010)