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**Kiril Datchev\*** ([kdatchev@purdue.edu](mailto:kdatchev@purdue.edu)). *Resolvent estimates for manifolds with large infinite ends*. Preliminary report.

We prove high energy resolvent bounds for second order differential operators on manifolds with large infinite ends, with applications to Schrodinger and wave evolution. This generalizes previous work of Burq, Cardoso, and Vodev, and provides simpler proofs. The key tool in the proof is a global Carleman estimate. (Received January 15, 2015)