1015-35-239 **Irena Lasiecka** and **ROBERTO TRIGGIANI*** (rt7u@virginia.edu), Kerchof Hall, Charlottesville, VA 22904. *Well-posedness and sharp uniform decay rates at the L2-level of Schrodinger equations with nonlinear boundary dissipation.*

The n-dimensional Schrodinger equation defined on a bounded open domain and subject to an attractive dissipative damping is (semigroup well posed for n=1,2,3,..and moreover) stable on L2 for n=2,3, with sharp (optimal)uniform decay rates. uniformity is with respect to all I.C. in a given L2-ball. (Received February 06, 2006)