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Atanas Stefanov* (stefanov@ku.edu), 1460, Jayhawk Blvd., 415, Snow Hall, Lawrence, KS 66045, and **Vladimir Georgiev**, Largo Bruno Pontecorvo 5, 56127 Pisa, Italy. *Scattering of small solutions of the cubic NLS with short range potential*. Preliminary report.

We consider the cubic nonlinear Schroedinger equation subjected to an even external potential V . We show scattering of odd small solutions, if the corresponding static Schroedinger operator $-\partial_{xx} + V$ does not support any eigenvalues nor resonance at zero. The proof follows a factorization method devised recently by Cuccagna-Georgiev-Visciglia for the same problem, where the power non-linearity is $|u|^{p-1}u$, $p > 3$. This is joint work, with V. Georgiev and A.R. Giammetta, both at University of Pisa. (Received January 27, 2016)