

A simple and explicit construction is provided for embedding  $n$  positive eigenvalues in the spectrum of a Schroedinger operator on the half-line with a Dirichlet boundary condition at the origin. The resulting potential  $V$  is of von Neumann-Wigner type, but can be real valued as well as complex valued. The obtained result leads to a similar result for the Schroedinger operator on  $\mathbb{R}^3$  with the spherically symmetric potential  $V(|\cdot|)$ . This talk is based on joint work with Serge Richard (University of Nagoya) and Jun Uchiyama (Kyoto Institute of Technology).