

Abstract Submitted
for the MAR11 Meeting of
The American Physical Society

The two-dimensional and three dimensional confinement of the hydrogen molecular ion, inside ellipses and spheroids, respectively¹ MARTIN MOLINAR, GERMAN CAMPOY-GÜEREÑA, DIFUS, Universidad de Sonora — The Schrödinger equation for the confinement of the hydrogen molecular ion in the Born – Oppenheimer is solved. The molecule is confined by rigid and non-rigid ellipses and spheroids. The energies for the ground state and the first excited states are determined.

¹Martin Molinar-Tabares acknowledge to Universidad de Sonora for supporting the attendance.

Martin Molinar-Tabares
DIFUS, Universidad de Sonora

Date submitted: 07 Dec 2010

Electronic form version 1.4