

## Diplômes et titres

- 1987 Doctorat d'état, spécialité Physique atomique et moléculaire, Paris XI  
1983 Doctorat d'université, Thèse 3<sup>o</sup> cycle, Paris XI  
1981 Agrégation de sciences physiques, option physique  
1980 Diplômes d'études approfondies DEA Atomes, molécules, lasers, Paris IX  
1979 Maîtrise de Physique Paris VI  
1978 Admission à l'ENS (ENSJF)

## Carrière

- 2006-2020 professeur en classes préparatoires PC puis MP\*, Lycée Thiers, Marseille
- 1988-2006 professeur en classes préparatoires TSI, Lycée Artaud, Marseille
- 1983-1987 chargée de recherche au CNRS, Laboratoire des collisions atomiques et moléculaires, Orsay, puis laboratoire Physique des Interactions Ioniques et Moléculaires, Marseille

## Ouvrages pédagogiques :

- *Physique quantique et physique statistique*, Collection références sciences, Ellipses (2016) en collaboration avec Loïc Henriet
- *Analyses de documents et résolutions de problèmes en CPGE scientifiques*, Collection références sciences, Ellipses (2017), en collaboration avec Loïc Henriet

## Articles de recherche

- A Henriet, A., F Masnou-Seeuws, F. (1983). Model potential calculations for the ground, excited and Rydberg 2Σ states of Li2+, Na2+ and K2+: Core polarization effects. *Chemical physics letters*, 101(6), 535-540.
- A Henriet, M Aubert-Frécon, C Le Sech., F Masnou-Seeuws (1984). The Pluvinage method for alkali dimers. I. One-and three-configuration calculations for the ground states of Li2, Na2 and K2. *Journal of Physics B: Atomic and Molecular Physics*, 17(17), 3417.
- A Henriet, F Masnou-Seeuws, C Le Sech (1985). The Pluvinage method for alkali dimers: Calculations for the Σ excited states of Na2 up to the (3p+ 3p) dissociation limit. *Chemical physics letters*, 118(5), 507-511.
- A Henriet (1985). Model-potential calculations for Σ, Π, Δ excited states of Na2+ and K2+: energies, dipole moment and radial coupling. *Journal of Physics B: Atomic and Molecular Physics*, 18(15), 3085.
- A Henriet, F Masnou-Seeuws, (1987). The Pluvinage method for alkali dimers. III. Potential energy curves for the excited states of Na2 up to the (3p+ 3p) dissociation limit. *Journal of Physics B: Atomic and Molecular Physics*, 20(4), 671.

- A Henriet, F Masnou-Seeuws (1988). Two-electron calculations for the intermediate Rydberg states of Na<sub>2</sub>: molecular quantum defects. *Journal of Physics B: Atomic, Molecular and Optical Physics*, 21(12), L339.
- A Henriet, F Masnou-Seeuws (1989). The Na<sub>2</sub> molecule as a two-electron system. In *Spectroscopy and Collisions of Few-electron Ions: Proceedings of the Study Conference SCOFEI'88, Bucharest, Romania, August 29-September 2, 1988* (p. 268). World Scientific Publishing Company Incorporated.
- A Henriet, C Le Sech, F Masnou-Seeuws (1989). Numerical evaluation of two-electron integrals for molecular Rydberg states in systems with two active electrons. *Chemical physics letters*, 158(5), 389-392.
- A Henriet, F Masnou-Seeuws (1990). Model potential calculations for the intermediate Rydberg states of Na<sub>2</sub>: adiabatic potential curves and molecular quantum defects. *Journal of Physics B: Atomic, Molecular and Optical Physics*, 23(2), 219.
- A Henriet, F Masnou-Seeuws, F. (1990, June). Theoretical treatment of the associative ionization reaction between laser excited sodium atoms: energy dependence and anisotropy effects. In *AIP Conference Proceedings* (Vol. 205, No. 1, pp. 586-592). American Institute of Physics.
- A Henriet, F Masnou-Seeuws, O Dulieu (1991). Diabatic representation for the excited states of the Na<sub>2</sub> molecule: application to the associative ionization reaction between two excited sodium atoms. *Zeitschrift für Physik D Atoms, Molecules and Clusters*, 18(3), 287-298.