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Témoignages

> **Claude Cohen-Tannoudji**, médaillé d'or du CNRS en 1996, Prix Nobel en 1997 et professeur honoraire au Collège de France, dirige l'équipe « atomes froids » du Laboratoire Kastler Brossel (CNRS/ENS/UPMC).

« La nouvelle de l'attribution de la Médaille d'Or du CNRS à Serge Haroche me remplit de joie. J'ai toujours éprouvé la plus grande admiration pour l'élégance de ses travaux, la profondeur de ses analyses, la clarté de ses exposés et son enthousiasme pour la recherche. Je considère comme un grand privilège de le compter parmi les tous premiers étudiants qui ont rejoint mon groupe de recherche au milieu des années 1960 pour y effectuer une thèse de doctorat. »

> **Professeur Theodor W.Hänsch**, Prix Nobel de Physique en 2005, Université Ludwig-Maximilians à Munich et Institut Max-Planck d'optique quantique à Garching, Allemagne :

"During more than three decades of friendship, I have come to admire Serge Haroche as one of the deepest thinkers and most lucid expositors in the field of quantum optics. His exquisitely beautiful experiments on cavity quantum electrodynamics with Rydberg atoms and microwave photons in a superconducting resonator have become landmarks in the field of quantum physics and quantum information. They are greatly enriching the experimental foundations of central concepts of quantum mechanics, such as entanglement, quantum measurements, and decoherence. As lecturer and book author, he has been offering unparalleled insights to generations of researchers. The prestigious Gold Medal of the CNRS is a fitting recognition for his truly outstanding achievements."

> **Professeur Daniel Kleppner**, Department of Physics and Center for Materials Science and Engineering, Massachusetts Institute of Technology, Boston (Etats-Unis)

"Serge Haroche has opened a new window to the world of quantum physics, enabling us to observe fundamental quantum phenomena and to witness basic measurement processes in ways previously inconceivable. With his students and associates he has carried out experiments of the most remarkable delicacy that elucidate the subtle connections between the observed and the observer and enable us to see with clarity phenomena such as decoherence and entanglement. His pioneering microwave atomic experiments in the subject now called cavity quantum electrodynamics helped to launch a field that is now being actively pursued in atomic optical regimes and with mechanical and electrical systems using condensed matter and photonic media. His papers and recent book with Jean-Michel Raimond are exemplary in their depth and clarity. Niels Bohr once argued that truth and clarity cannot be simultaneously achieved, but Serge Haroche's work shows that they can be."