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Professor Hoffmann earned his degree in physics from Ruhr-Universität Bochum, Germany, in 1975. He completed his doctoral studies at the Technical University of Darmstadt in 1979, followed by a research stay at Stanford University, California, USA, as an Alexander von Humboldt Fellow. After returning to the Technical University of Darmstadt in 1982, he worked at the Max Planck Institute for Quantum Optics in Garching near Munich and later at the Gesellschaft für Schwerionenforschung in Darmstadt.

He obtained his habilitation at TU Darmstadt in 1993 and subsequently accepted a professorship in experimental nuclear physics at the University of Erlangen. In 1998, he returned to Darmstadt as a professor of nuclear and radiation physics. In 2018, he joined China's *Thousand Talents Program* as a specially appointed professor at Xian Jiaotong University.

SCIENTIFIC WORK

Professor Hoffmann has authored or co-authored about 500 peer-reviewed scientific publications spanning nuclear physics, plasma physics, and astro-particle physics. His primary research focus is high-energy-density physics, particularly in the context of fusion science.

Scientific positions:

1996–1997: Director of the Physics Institute of the Friedrich-Alexander-University, Erlangen

1998–1999: Director of the Institute of Nuclear Physics, TU Darmstadt

2002– 2021: Editor of the journal *Laser and Particle Beams*, Cambridge University Press

2003–2015: Spokesperson of the HEDgeHOB collaboration of the FAIR/GSI

2002–2021: editor-in-chief of *Laser and Particle Beams*, Cambridge University Press

Since 2017: International Guest Editor of *Matter and Radiation at Extremes*, publ. by CAEP and AIP