

Quantum Dynamics in Tailored Intense Fields

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Do tailored light fields match tailored careers for female scientists? Light landscapes vs. career landscapes in Photonics

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Complex tailored light fields are a disruptive field of photonics that foster basic research areas as singular optics, optical angular momentum or entanglement, and advance applications of photonic lattices, plasmonic excitation, optical trapping or optomechanics. In contrast, tailored careers in the field of light seem to be less successful for female researchers, lacking behind in comparison to male colleagues as well as on an international scale.

This presentation attempts to combine an introduction into pathbreaking tailored light field research with facts, data, and recent gender research on career development in photonics. In this latter area, we will discuss career obstacles, gender inequality in academia as well as approaches to overcome these hurdles. By contrasting the development in a research field to its associated careers, I will try to exemplify today's gender issues in science.

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