



GEMaC

Groupe d'Étude
de la Matière Condensée

CONTROLLED SINGLE PHOTON SOURCES BASED ON HBN COLOR CENTERS USING NANOPHOTONIC STRUCTURES

The project takes place in the Quantum NanoPhotonics group in GEMaC laboratory. The context is experimental solid-state quantum optics for quantum information. The objective is to realize integrated quantum devices based on visible-range single-photon emitters in hBN with controlled light-matter interaction by including the hBN emitters in nanophotonic structures including in-situ lithographic photonic structures and plasmonic resonators.

01/10/2022 au 30/09/2025

GEMaC

Organisme : UVSQ/CNRS

45, avenue des États-Unis

78000 Versailles

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ADDITIONAL INFORMATION

Contact :

Aymeric Delteil
Tel : 01 39 25 46 93
Courriel : aymeric.
delteil@uvsq.fr