

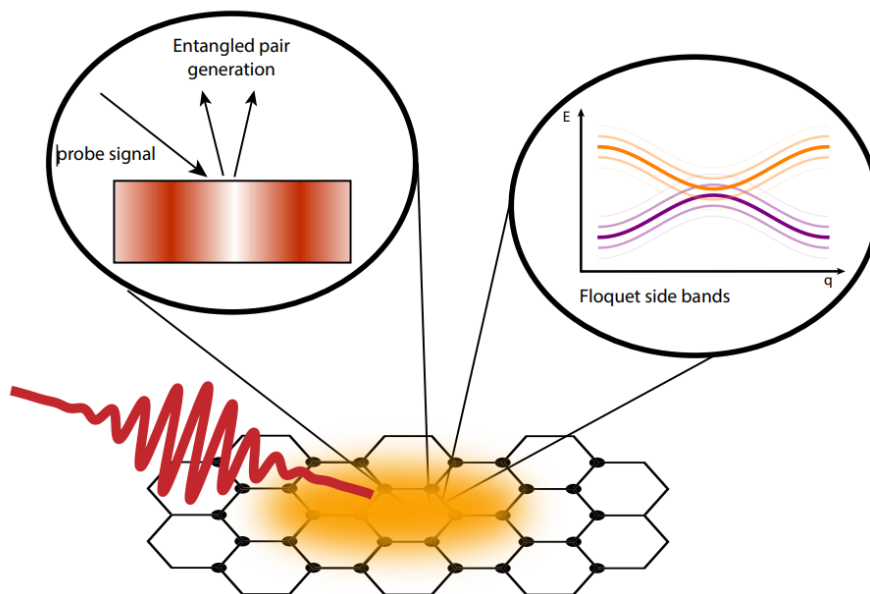
IMPRS UFAST Focus Course

Floquet theory for driven many-body systems

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Abstract:

This course will provide an introduction to the theoretical tools necessary for understanding periodically driven systems. It will cover perturbative methods such as Magnus expansion and Floquet perturbation theory in the context of band structure Floquet engineering and frequency mixing in pump and probe systems. The course will then address non-perturbative phenomena including parametric resonances, time-crystals, lasing instabilities and slow thermalisation in closed systems.



CFEL, Seminar room O1.060

28th - 29th Feb. & 4th - 6th March 2024 13:30 h – 17:00 h

Register on Geventis I-UF FC4