



Seminar/Talk

Quantum coherences from thermal noise

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Host: Mikhail Lemeshko

I will present exact solutions of the quantum optical (Bloch-Redfield) master equations for a three-level quantum V-system weakly coupled to a thermal environment. It will be shown that quantum coherences can spontaneously arise and evolve in such systems, with very long coherence times possible under certain conditions. A few experimental realizations of the noise-induced coherences in atomic systems will be discussed, along with implications for quantum device engineering and photosynthetic energy transfer in light-harvesting dimers.

Friday, June 23, 2017 11:00am - 01:00pm

Seminar room Big Ground floor / Office Bldg West (I21.EG.101)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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