



Physical Sciences Seminar

Cavity QED with Molecules

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Concepts of cavity QED such as strong coupling or the Purcell effect are typically derived for two-level systems. These concepts can be translated to the more complex case of molecules where internal electronic transitions are inherently coupled to many molecular vibrational modes via Holstein-type interactions. We develop a quantum Langevin equations approach that provides analytical insight into the cavity-modified radiative emission branching ratio of a single molecule, the strong coupling regime with molecules and Frster resonance energy transfer between donor-acceptor molecules.

Tuesday, April 23, 2019 11:00am - 12:00pm

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



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage: http://ist.ac.at/fileadmin/user_upload/pdfs/IST_shuttle_bus.pdf The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.