

Symposium Precise Quantum Molecules (SYQM)

Gereon Niedner-Schatteburg
University of Kaiserslautern-Landau
Erwin-Schrödinger-Straße 52
67663 Kaiserslautern, Germany
gns@chemie.uni-kl.de

Early on, the assignments of molecular spectra have served as benchmarks for fundamental Quantum Hamiltonians, and they continue to do so at an increasing level of sophistication. It is the focus of the Precise Quantum Molecules symposium to shed light onto the soul mate like interconnection of molecular spectroscopy and quantum chemical modelling by the selected contributions elucidating the thread that leads from simple model systems up to industrial applications.

Overview of Invited Talks and Sessions

(Lecture hall ZHG105)

Invited Talks

SYQM 1.1	Thu	10:45–11:15	ZHG105	The quantum world of molecules revealed with rotational coherence spectroscopy — ●MELANIE SCHNELL
SYQM 1.2	Thu	11:15–11:45	ZHG105	Accurate calculation of non-covalent interactions using explicitly correlated local correlation methods — ●HANS-JOACHIM WERNER, ANDREAS HANSEN, PETER J. KNOWLES
SYQM 1.3	Thu	11:45–12:15	ZHG105	High-resolution spectroscopy of molecular ions — ●STEPHAN SCHLEMMER
SYQM 1.4	Thu	12:15–12:45	ZHG105	Quantum Simulations in the Chemical Industry — ●ANSGAR SCHÄFER

Sessions

SYQM 1.1–1.4	Thu	10:45–12:45	ZHG105	Precise Quantum Molecules
--------------	-----	-------------	--------	----------------------------------