

**Conference on  
Recent Results on Quantum Many-Body Systems  
May 7 – 9, 2018  
Herrsching (near Munich)**

**Sunday, May 6**

04:00 – 6:30 pm	Registration
06:30 – 07:30 pm	Dinner
07:30 – 08:00 pm	Introduction: Rupert Frank and Phan Thành Nam
Afterwards	Get together: „Informal open problem session“

**Monday, May 7**

07:30 – 09:00 am	Breakfast
09:00 am	<b>Elliott Lieb</b> , Proof of a Conjecture of Carbery
09:45 am	<b>Raphael Benguria</b> , Gagliardo-Nirenberg-Sobolev inequalities for convex domains in $\mathbb{R}^d$
10:30 – 11:00 am	Coffee break
11:00 am	<b>Jan-Philip Solovej</b> , Universality of Born-Oppenheimer curves for diatomic molecules
11:45 am	<b>Li Chen</b> , The Maximal Negative Ion of the Time-Dependent Thomas-Fermi and the Vlasov Atom
12:30 – 01:30 pm	Lunch
02:00 pm	<b>Benjamin Schlein</b> , Excitation spectrum of Bose-Einstein condensates
02:45 pm	<b>Edgardo Stockmeyer</b> , Asymptotic dynamics for certain 2-D magnetic quantum systems
03:30 – 04:00 pm	Coffee break
04:00 pm	<b>Dirk Hundertmark</b> , Cwikel's bound reloaded
04:45 pm	<b>Bernard Helffer</b> , On the extended Courant nodal property: examples and counterexamples
06:30 – 07:30 pm	Dinner
Afterwards	Get together: : „Informal open problem session“

## Tuesday, May 8

07:30 – 09:00 am	Breakfast
09:00 am	<b>Robert Seiringer</b> , Bose-Einstein Condensation in a Dilute, Trapped Gas at Positive Temperature
09:45 am	<b>Christian Hainzl</b> , The interacting Fermi gas: A step beyond Hartree-Fock
10:30 – 11:00 am	Coffee break
11:00 am	<b>Kenji Yajima</b>
12:00 – 01:30 pm	Lunch
01:30 pm	Social activities
07:00 – 08:30 pm	Conference Dinner
Afterwards	Get together: : „Informal open problem session“

## Wednesday, May 9

07:30 – 09:00 am	Breakfast
09:00 am	<b>László Erdős</b> , Matrix Dyson equation in random matrix theory
09:45 am	<b>Marcel Griesemer</b> , Spectral Theory of the Fermi Polaron
10:30 – 11:00 am	Coffee break
11:00 am	<b>Timo Weidl</b> , Edge resonances in elastic media with zero Poisson coefficient
11:45 am	<b>Rudi Weikard</b> , Spectral Theory for Systems of Ordinary Differential Equations with Distributional Coefficients
12:30 – 01:30 pm	Lunch
02:00 pm	<b>Michael Loss</b> , A Quantum Kac Model
02:45 pm	<b>Semion Wugalter</b> , Van der Waals Interactions of Heavy Atoms
03:30 – 04:00 pm	Coffee break
04:00 pm	<b>Volker Bach</b> , The Witten Laplacian and Infrared Bounds
04:45 pm	<b>Mathieu Lewin</b> , A compactness theorem for chemical reactions in quantum mechanics
06:30 – 07:30 pm	Dinner
Afterwards	Get together: : „Informal open problem session“

## Thursday, May 10

Departure after breakfast