

Multiparticle resonances in hadrons, nuclei, and ultracold gases

International Workshop XLVI on
Gross Properties of Nuclei and Nuclear Excitations
Darmstädter Haus, Hirschegg, Kleinwalsertal, Austria

January 14-20, 2018



Topics:

1. Extraction of hadron resonance properties
 - * finite volume effects and lattice QCD
 - * resonance properties from experiment and simulations
2. Few-neutron resonances and continuum effects in nuclear physics
 - * $3n$ and $4n$ resonances: status in theory and experiment
 - * continuum effects in few- and many-body calculations
3. Ultracold atoms in confinement
 - * modification of few- and many-body systems in confinement
 - * extraction of continuum properties from trapped systems

Organizers:

J. Braun, M. Buballa, B. Friman, H.-W. Hammer, T. Neff, R. Roth, A. Schwenk

Program advisors:

D. Blume (Pullman), R.J. Furnstahl (Columbus), S. Jochim (Heidelberg),
H. Sakai (Wako), U. Thoma (Bonn), H. Wittig (Mainz)

Invited speakers:

T. Aumann (Darmstadt), A. Bergschneider (Heidelberg), J. Carlson (Los Alamos), Z. Davoudi (Cambridge), M. Döring (Washington), J. Drut (Chapel Hill), G. Hagen (Oak Ridge), E. Hiyama (Wako), M. Köhl (Bonn), S. Lange (Gießen), D.J. Lee (Raleigh), J. Lynn (Darmstadt), M. Marquez (Caen), D. Mohler (Mainz), E. Prencipe (Jülich), S. Quaglioni (Livermore), A. Rusetsky (Bonn), M.J. Savage (Seattle), S. Shimura (Tokyo), A. Shirokov* (Moscow), A. Thiel (Bonn), A. Volosniev (Darmstadt), M. Zwiernik* (Cambridge)
* to be confirmed

Further information:

<http://theorie.ikp.physik.tu-darmstadt.de/hirschegg/>

Registration deadline: November 15, 2017

