

Applications of Quantum Mechanics II

CIC-UNAM, Cuernavaca, July 16-27, 2012
Organizers: Thomas Gorin, Carlos Pineda
Registration deadline, June 17, 2012

This summer school is intended for Physics students, both, graduate and advanced undergraduate. The lectures will cover different current research fields, where Quantum Mechanics is involved. We offer courses on: decoherence, wave chaos, quantum biology, quantum information and random matrix theory – theoretical as well as experimental. It is an excellent opportunity to have a closer look at the different research fields, find out about the kind of questions posed, the methods and every day routine.

To obtain more information please contact us at quantumapplications2012@gmail.com or visit our website <http://www.cicc.unam.mx/activities/2012/qa>.

Lecturers

Gernot Alber
Technische Universität Darmstadt

Alexander Eisfeld
Max-Planck-Institute for the Physics of Complex Systems

Sergey Filippov
Moscow Institute of Physics and Technology (FIAN)

Eduardo Gomez
Universidad Autónoma de San Luis Potosí

Christof Jung
Universidad Nacional Autónoma de México

Fabrice Mortessagne
Université de Nice – Sophia Antipolis

Markus Müller
Perimeter Institute for Theoretical Physics

Juan Pablo Paz
Universidad de Buenos Aires

Figure: Selective and efficient quantum process tomography without ancilla, by Christian Schmiegelow

