



Course on

Quantum optics

May 19-20, 2015

Room A218, Polo Scientifico e Tecnologico Fabio Ferrari (Povo 1) – 19th of May, 2015
Aula Seminari di Fisica, via Sommarive, 14 – 20th of May, 2015

- The course aims to introduce to Quantum Optics
- The target audience is post-docs and PhD students involved in the project SiQuro. Other collaborators are also invited to participate.
- The course is free, but subscription is mandatory.
- Travel, accommodation and meal expenses are not reimbursed by the organizers.

Program

Tuesday, May 19, 2015

09.00 – 10.45 *Quantum Optics for everybody*, **Dr. Iacopo Carusotto**

10.45 – 11.15 *break*

11.15 – 13.00 *Quantization of the e.m. field in material media (1)* **Dr. Yanko Todorov**

13.00 – 14.30 *Lunch*

14.30 – 16.15 *Quantum fluids of light in cavityless propagating geometries*, **Dr. Pierre-Elie Larre**

16.15-16.45 *break*

16.45-17.45 *Quantization of the e.m. field in material media (2)* **Dr. Yanko Todorov**

Wednesday, May 20, 2015

09.00 – 10.45 *From Silicon photonics to Hofstadter butterflies*, **Dr. Hannah Price**

10.45 – 11.15 *break*

11.15 – 11.45 *Wave propagation in honeycomb lattices*, **Dr. Tomoki Ozawa**

11.45 – 12.15 *Quantum optics in classical mechanics*, **Dr. Grazia Salerno**

12.15 – 14.00 *Lunch*

14.00 – 15.45 *Experiments in quantum optics*, **Dr. Alessandro Zavatta**

15.45-16.15 *Quantum Optics: experiments in Trento*, **Dr. Alessandro Trenti**

16.15-17.00 *Wrap-up*, **Dr. Iacopo Carusotto**