

WINTER PHD SCHOOL ON *STATISTICAL FIELD THEORIES*

The Galileo Galilei Institute for Theoretical Physics
Arcetri Firenze

2-13 February 2015

Organizers: D. Bernard, A. Cappelli, F. Colomo, G. Delfino, G. Mussardo

The school will offer postgraduate lectures on topics of low-dimensional quantum field theory, conformal field theory and integrable systems, together with the applications to statistical mechanics and condensed matter systems. Introductory subjects as well as recent advances will be covered.

The school can admit up to forty participants. Accommodation for two weeks in twin rooms will be provided for a total price of about 3-400 €. Financial support to accommodation expenses may be provided, upon request, to about twenty participants.

The courses will be officially part of the Italian Ph.D. training program for the universities that have joined the initiative. For this purpose there will be the possibility of a final exam with the lecturers.

Lecturers

M. Bauer (CEA Saclay): "A basic introduction to open quantum systems and quantum noises"

E. Berg (Weizmann): "New paradigms and platforms for non-Abelian statistics"

G. Delfino (Sissa): "Exact S-matrices and applications"

N. Regnault (ENS Paris): "An introduction to entanglement spectra and matrix product states"

K. Schoutens (ITP Amsterdam): "Introduction to conformal field theory and topological states of matter"

Deadline of application: November 15th 2014

Web-page: <http://theory.fi.infn.it/SFTschool/>, <http://www.ggi.fi.infn.it/>