

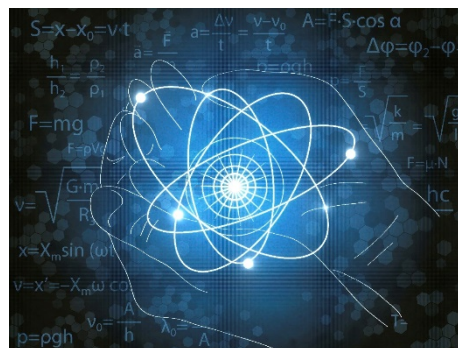
Italy – Israel meeting on non-equilibrium physics

Theory and Experiments of quantum many body dynamics

Bar-Ilan University, April 11-13, 2016

Registration deadline: March 1st, 2016

Recent experimental and technological advancements made possible the investigation of interacting quantum systems far from thermal equilibrium. In contrast to the equilibrium case, our understanding is still lacking a unifying framework to describe their universal emergent properties. The coherent dynamics of many-body systems is generically characterized by strong and non-local correlations, which make impossible the application of standard approximations, such as mean-field or few-body methods. A better understanding of these experiments urges the development of new numerical methods and analytical approximations, as well as new out-of-the-box ideas. The purpose of this meeting is to gather leading experts from Italy and Israel, making possible the comparison of different approaches, the cross fertilization, and the establishment of new collaborations



Organizers:

Emanuele Dalla Torre (Bar-Ilan)
 Angelo Russomanno (SNS, Pisa and ICTP, Trieste)
 Alessandro Silva (SISSA, Trieste)

Invited Speakers:

	Italy	Israel
	Jacopo Carusotto (BEC, Trento)	Ehud Altman (Weizmann)
	Roberta Citro (INFN, Salerno)	Erez Berg (Weizmann)
	Michele Fabrizio (SISSA)	Doron Cohen (Ben Gurion)
	Rosario Fazio (ICTP Trieste & SNS Pisa)	Nir Davidson (Weizmann)
	Massimo Inguscio (LENS, Firenze)	Itzhack Dana (Bar-Ilan)
	José Lorenzana (ISC – CNR, Roma)	Ron Folman (Ben Gurion)
	Oliver Morsch (Uni Pisa)	Lev Khaykovich (Bar-Ilan)
	Giuseppe Santoro (ICTP, Trieste)	Netanel Lindner (Technion)
	Sandro Stringari (INO, Trento)	Yoav Sagi (Technion)

Registration and Abstract submission - <http://italyisrael.ph.biu.ac.il>

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