FACOLTÀ DI SCIENZE MATEMATICHE, FISICHE E NATURALI
DIPARTIMENTO DI MATEMATICA E FISICA "NICCOLÒ TARTAGLIA"
INTERNATIONAL DOCTORAL PROGRAM IN SCIENCE

Photoemission: a many body viewpoint

Introduce
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ABSTRACT:
Photoemission is one of the premiere techniques used to study the electronic structure of different forms of matter.
These lectures aim at illustrating how a photoemission experiment can reveal crucial information about the interactions in a many body system. By detecting photoelectrons, a photoemission experiment measures the excitation spectrum of a many body system upon single particle removal and, within certain approximations, provides a direct measurement of the single particle Green function. The lectures will provide a description of these fundamental ideas making use of fundamental notions and techniques of Many Body Theory such as quasiparticles, Green functions, and Feynman diagrams.

Ciclo di lezioni

Martedì 3 luglio 2018 – ore 10.00-12.00; 14.30-16.30
Mercoledì 4 luglio 2018 – ore 10.00-12.00; 14:30-16:30
Giovedì 5 luglio 2018 – ore 10.00-12.00

Aula 8
Via dei Musei 41 - Brescia

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