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# Ab-initio Many-Body Methods and Simulations with the Yambo Code | (smr 3694)

## Monday 04 April 2022

### **THEORY 1: Excited-state properties in Many-Body Perturbation Theory (MBPT) - Adriatico Guest House - Kastler Lecture Hall (09:30-14:40)**

time	title	presenter
09:30	Description and goals of the school: From theoretical concepts to real computation of the excited states properties of complex materials by first principle	ANDREA MARINI, CNR-ISM, ITALY AND DANIELE VARSANO, CNR-NANO, ITALY
09:50	Introduction to Many Body Perturbation Theory	PEDRO MELO
10:30	Coffee Break	
11:00	Many-body perturbation theory, from equations to spectroscopy	MATTEO GATTI
11:40	Probing the electronic structure of solids by photoemission spectroscopy (experimental lecture)	POLINA SHEVERDYAEVA
12:20	Lunch break	
14:00	Beyond the independent particle scheme: The linear response theory	DAVIDE SANGALLI