

Florence Training Workshop on Coulomb Excitation



27th – 30th
Jan 2025



Florence,
Italy



Lectures

- Observables in Coulomb excitation, electromagnetic matrix elements
- Coulomb excitation and the nuclear shape
- Experimental setups used in Coulomb excitation
- Role of complementary data
- Shape coexistence, octupole collectivity and triaxiality with Coulomb excitation

Practical sessions

- Setting up a GOSIA input file
- Simulation of counting rates with GOSIA
- From experimental yields to matrix elements with GOSIA
- Introduction to FRESKO for Coulomb excitation

Lecturers

- Daniel Doherty
- Paul Garrett
- Kasia Hadynska-Klek
- Naomi Marchini
- Marco Rocchini
- Kasia Wrzosek-Lipska
- Magda Zielinska

Venue

- Plesso Capponi, Room 13
- Università degli Studi di Firenze - Dipartimento di Storia, Archeologia, Geografia, Arte e Spettacolo

Website

- <https://agenda.infn.it/e/coulxfi>

