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Galileo Galilei Institute for Theoretical Physics | Firenze



## FRONTIERS IN NUCLEAR AND HADRONIC PHYSICS 2021 / MARCH 1-12

## LECTURERS

GIANLUCA COLÒ (Milano University / INFN) Density functional theory methods for nuclear physics

ALESSANDRO DRAGO (Ferrara University / INFN) Dense nuclear matter in neutron stars

ANTONIO MORO (Sevilla University) Modelling nuclear reactions probing the structure of exotic nuclei

FRANCESCO PEDERIVA (Trento University / INFN) New computational approaches to nuclear physics

ROBERT ROTH (Darmstadt Technical University) Ab initio calculations of nuclear structure

The school is primarily addressed to Ph.D. students in Theoretical Nuclear and Hadron Physics. Participation of experimentalists and post-docs is also encouraged.

The 2021 edition will be devoted to Nuclear Physics, providing a pedagogical introduction to the basic concepts and tools for carrying out research in nuclear structure, nuclear reactions and nuclear astrophysics.

The lectures will emphasize the intimate connections among these fields, giving much attention to the interpretation of experimental data. Various theoretical frameworks for the study of nuclear systems will be presented, including both ab initio and more phenomenological approaches.



## ORGANIZERS

Francesco Becattini | Firenze University / INFN Ignazio Bombaci | Pisa University / INFN Angela Bonaccorso | INFN Pisa Maria Colonna | INFN LNS Vincenzo Greco | Catania University / INFN Giovanni Salmè | INFN Roma Elena Santopinto | INFN Genova Enrico Vigezzi | INFN Milano

## Deadline for Application | 31 December 2020

https://www.ggi.infn.it/showevent.pl?id=384



The Galileo Galilei Institute for Theoretical Physics