



# EPIC school introduction

EPIC 2024





Welcome to Sardinia!

# Scientific program committee



**Sonia Bacca,  
JGU Mainz**



**Misha Gorshteyn,  
JGU Mainz**



**Matteo Cadeddu,  
INFN Cagliari**



**Francesca Dordei,  
INFN Cagliari**



# An excellent day ahead of us!

10:00	<b>Introduction</b> <i>CalaSerena, Geremeas, Sardinia (Italy)</i>	10:00 - 10:15
	<b>Lecture I: Nuclear Equation of States from Laboratory to Neutron Stars</b> <i>Xavier Roca Maza</i>	
11:00	<i>CalaSerena, Geremeas, Sardinia (Italy)</i>	10:15 - 11:45
	<b>Questions</b>	
12:00	<i>CalaSerena, Geremeas, Sardinia (Italy)</i>	11:45 - 12:15
	<b>Lunch</b>	
13:00		
	<i>CalaSerena, Geremeas, Sardinia (Italy)</i>	12:15 - 14:00
14:00	<b>Lecture II: Neutrino Physics</b> <i>Dr Francesco Vissani</i>	
15:00	<i>CalaSerena, Geremeas, Sardinia (Italy)</i>	14:00 - 15:30
	<b>Questions</b>	
	<i>CalaSerena, Geremeas, Sardinia (Italy)</i>	15:30 - 16:00
16:00	<b>Coffee break</b>	
	<i>CalaSerena, Geremeas, Sardinia (Italy)</i>	16:00 - 16:30
	<b>Lecture III: Precision physics with atoms</b> <i>DMITRY BUDKER</i>	
17:00		
	<i>CalaSerena, Geremeas, Sardinia (Italy)</i>	16:30 - 18:00
18:00	<b>Questions</b>	
	<i>CalaSerena, Geremeas, Sardinia (Italy)</i>	18:00 - 18:30





# Xavier Roca Maza

## Lecture I: Nuclear Equation of States, from Laboratory to Neutron Stars

- Distinguished Professor at the University of Barcelona
- Master graduate and PhD at Barcelona, PostDoc at Barcelona, INFN, University of Milan. Associate professor at University of Milan.
- 2017: elected “Emerging leader” by the Journal of Physics G.
- Expert of nuclear EoS, more than 60 publications with above 500 citations. Speaker at more than 50 conferences and editor for Journal of Physics Communications.
- PI of the MONSTRE project funded by INFN.

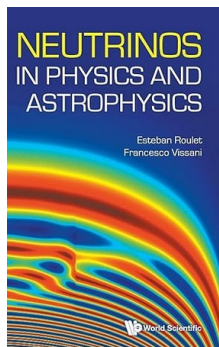




# Francesco Vissani

## Lecture II: Neutrino Physics

- Theoretical physicist and Director of Research at the LNGS of the INFN.
- Master graduate of the University of Pisa, PhD holder from SISSA, postdoc at ICTP and DESY in Hamburg. Occhialini Prize in 2008 for his significant contributions to neutrino research.
- He authored approximately 200 publications and several books, editor for EPJC. Director of the PhD in Physics at GSSI between 2012 and 2018.
- Great contribution to the advancement and diffusion of scientific culture. He founded the ASIMOV Prize for Popular Science Books in 2015.



Most recent book!





# Dmitry Budker

## Lecture III: Precision physics with atoms

- Professor and Section Leader @Helmholtz Institute in Mainz
- Master graduate at Novosibirsk, PhD holder from Berkeley, postdoc, assistant professor and emeritus professor at Berkeley.
- ERC advanced grant in 2015 for the project Dark-OST.
- 2021: Erwin Schroedinger Award of the Helmholtz Association.
- He authored approximately 400 publications and is outstanding referee for many journals.





# Practical information

- Each lecture is 1h 30' long.
- 30' discussion time at the end of each lecture.
- If you have punctual questions you may ask them during the lecture.

**Poster session** on Tuesday evening!  
Please, put your poster in place already today.



**Nicola Cargioli,**  
INFN Cagliari

The school and workshop program is available on the [HEPCon app](#), developed by Martin Vassilev from the University of Plovdiv. The app can be freely downloaded from both Google Play and AppStore!





A photograph of a group of people in a meeting or conference room. Several people have their hands raised, indicating an interactive session. The room has large windows in the background, and the lighting is bright. The text "Now it is time to introduce yourselves!" is overlaid on the left side of the image.

Now it is time  
to introduce  
yourselves!