

Postgraduate Program on High-Energy Physics, Astrophysics and Cosmology

- A joint IFAE/ICE master program taught by faculty in two of the leading Spanish research institutions
- Part of Universitat Autònoma de Barcelona's doctoral program awarded the Spanish "Mention of Quality"
- IFAE and ICE four-year doctoral scholarships available for outstanding students
- Access to scholarships from both the Catalan and Spanish governments

CONTENTS

- High energy astrophysics • Introduction to research
- Observational techniques • Statistics and data analysis
- The frontier of particle physics • Advanced quantum field theory
- Fundamentals of the standard model • General relativity and cosmology
- Stellar and planetary astrophysics • Introduction to quantum field theory
- Advanced topics on astrophysics and cosmology • Galaxies and extragalactic astrophysics • Phenomenology of the standard model
- Experimental techniques in particle physics

First application period ends on 4th March 2011
Second application period ends on 17th June 2011
For information and application:
<http://www.mastercosmosbcn.net>